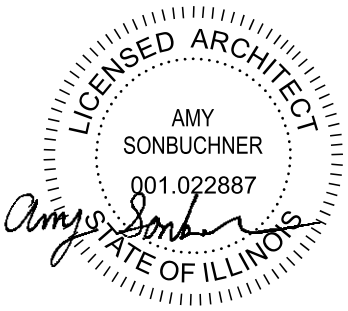
PROJECT MANUAL

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM
WHEELING, IL
Project Location: Wheeling, IL

PROJECT No.: PWKRSIP2019
AIP No.: *3-17-SBGP-223*

VOLUME NO. 2 OF 2
July 2026



PHASE 4

C&S ENGINEERS, INC.
499 COLEEN EILEEN COLLINS BLVD.
SYRACUSE, NY 13212
315-455-2000

Table of Contents

Homeowner Table of Contents

Floorplan Legend

Homeowner Design Packages

Property Map

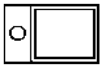
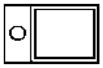
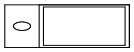
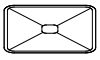
Detail Index

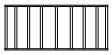
Details

CEA RESIDENTIAL SOUND INSULATION PROGRAM - PHASE 4
HOMEOWNER TABLE OF CONTENTS

PPN	Owner Last Name	Owner Address
20	DUVAL	481 ANITA PL
21	PATEL	482 ANITA PL
24	MARIA	495 ANITA PL
45	SUAVERDEZ	323 CRESCENT DR
48	CHAVEZ	339 CRESCENT DR
55	BRITO	384 CRESCENT DR
60	PATEL	415 CRESCENT DR
71	& SARA WILCOX	85 E JEFFREY AVE
91	& ELIA SALINAS	180 HIGHLAND AVE
99	TERAMANI	107 MEADOWBROOK LN
113	AMARO	393 MEADOWBROOK LN
185	GONZALEZ	428 STONE PL
201	& SUSAN CORTINA	129 SUNRISE DR
204	WOODALL	140 SUNRISE DR
228	CORSASIS	280 WHEELING AVE
237	THUONG SY	312 WHEELING AVE
828-111	PRYST	828-111 E. Old Willow Road
828-209	MALIK	828-209 E. Old Willow Road
828-212	MILLER	828-212 E. Old Willow Road
828-214	SAMPRAS	828-214 E. Old Willow Road
828-215	ANDERSON	828-215 E. Old Willow Road
830-106	GRAFF	830-106 E. Old Willow Road
830-108	EKONOMIUK	830-108 E. Old Willow Road
830-205	DOHOTARIN	830-205 E. Old Willow Road
830-208	LECHOWICZ	830-208 E. Old Willow Road

FLOORPLAN LEGEND

FURNACE- GAS FIRED UP-FLOW FU-1	
FURNACE- GAS FIRED DOWN-FLOW FD-1	
FURNACE- GAS FIRED HORIZONTAL FH-1	
FAN COIL / HEAT PUMP FC-1 SYSTEM INTERIOR UNIT HP-1	
FLOOR HEATER FLH-1	
WALL / SPACE HEATER W/SH-1	
GAS OR ELECTRIC PUG-1, PUE-1 PACKAGE UNIT	
HIGH VELOCITY HFC-H-1 UNIT HFHP-H-1	
CONDENSER UNIT C-1	
DUCTLESS FAN COIL DFC-1 SYSTEM INTERIOR UNIT	
DUCTLESS DC-1/DHP-1 CONDENSER UNIT	
ELECTRICAL METER	
ELECTRICAL PANEL, SUB PANEL	
ELECTRIC METER & PANEL	
(E)GAS METER	
NEW OUTSIDE AIR INTAKE	
NEW FLOOR SUPPLY REGISTER	FS
NEW FLOOR RETURN REGISTER	FR

NEW CEILING SUPPLY REGISTER	CS
NEW CEILING RETURN REGISTER	CR
NEW WALL SUPPLY REGISTER	WS
NEW WALL RETURN REGISTER	WR
NEW TOE SUPPLY	TS
EXISTING WHOLE HOUSE FAN	
WATER HEATER	
STAIRS	
PULL DOWN STAIRS PDS	
ATTIC ACCESS	
WALK IN CLOSET	WIC
NEW BOLLARD	
EXISTING	(E)

HAS RESIDENTIAL NOISE MITIGATION PROGRAM

CHICAGO EXECUTIVE AIRPORT	Phase: 4	QuieterHome®	C&S COMPANIES®

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **481 Anita Place**

Phase: **4**

PPN: **20**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM			
		Phase:	**4**
		PPN:	**20**
Address:	**481 Anita Place**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



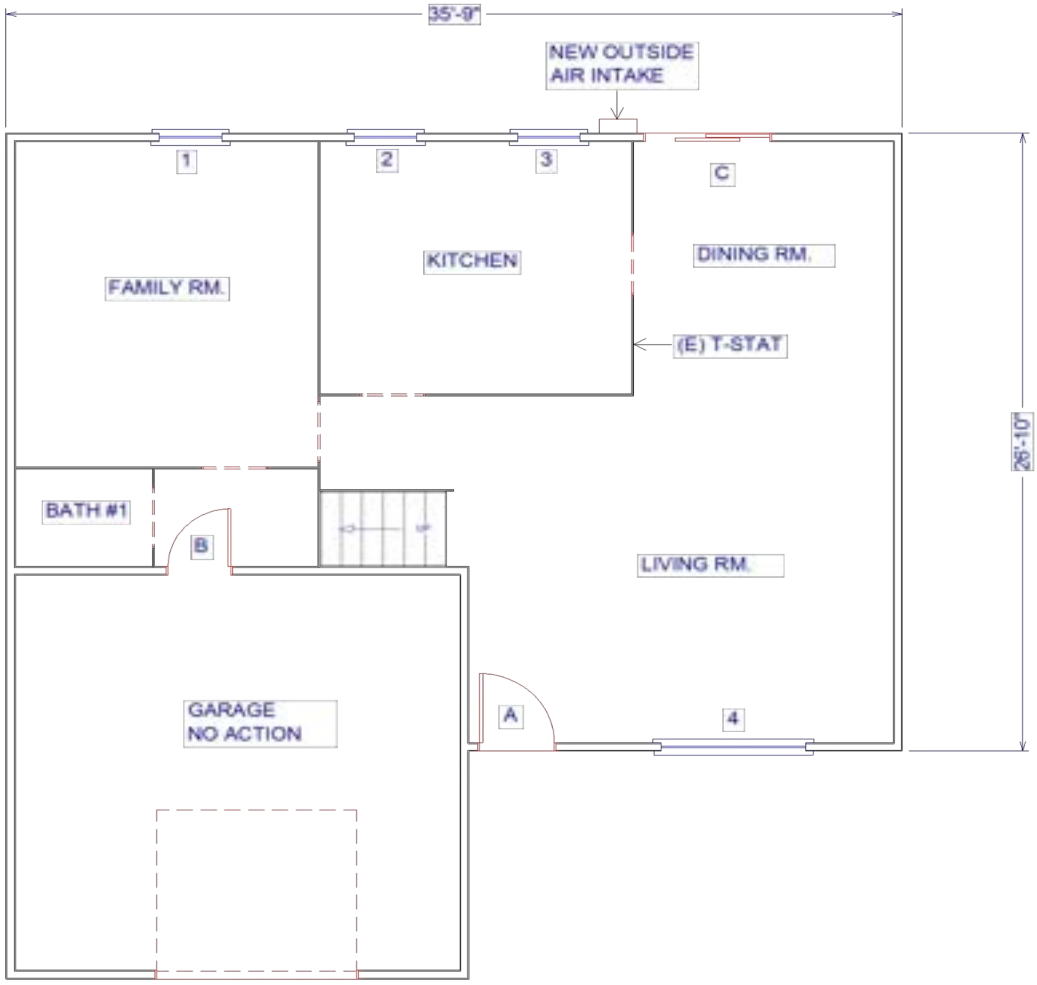
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**20**
Address:	**481 Anita Place**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



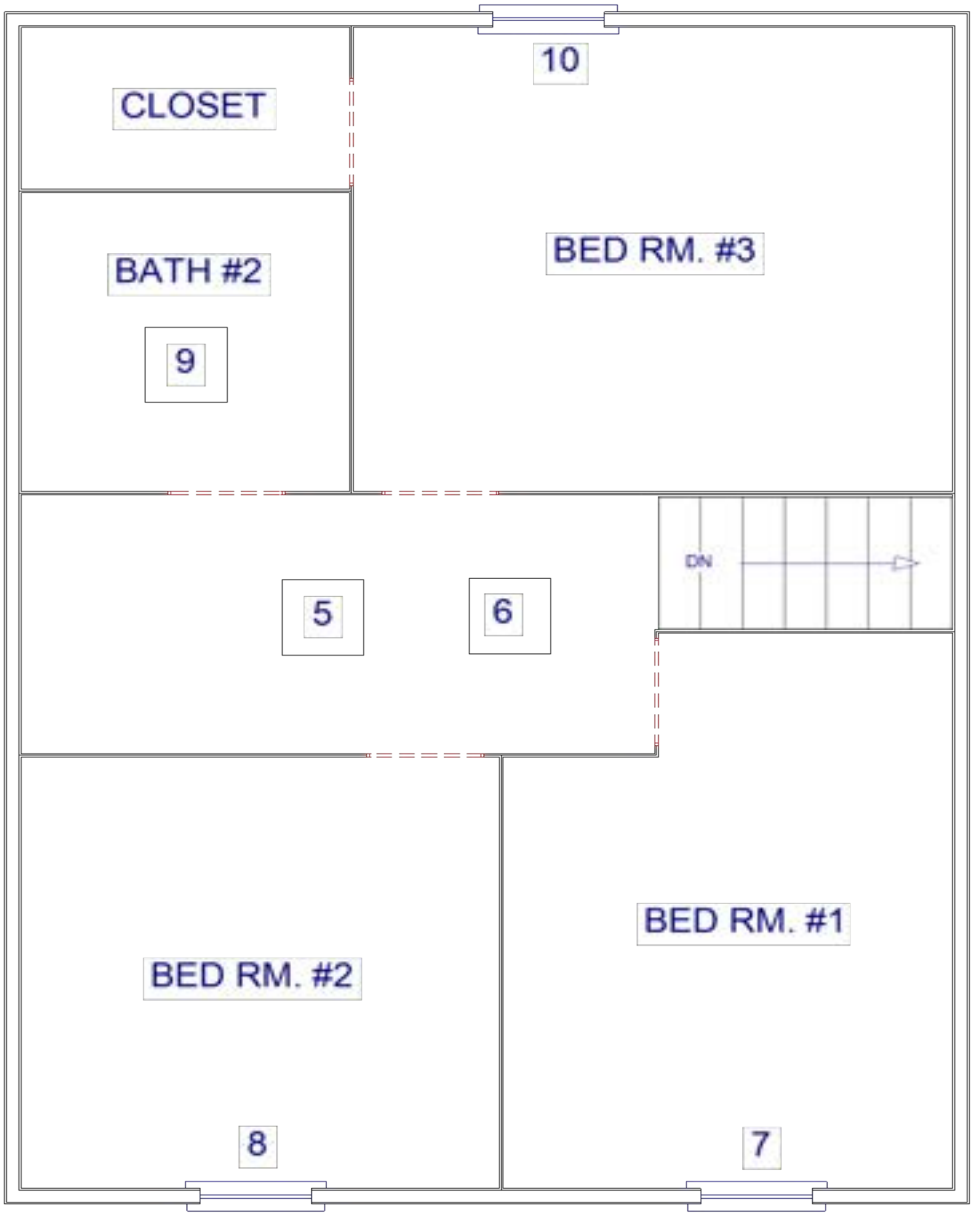
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **20**
Address: **481 Anita Place**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **20**
Address: **481 Anita Place**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	52	46	SL	SL		VL	VL		2.1	
2	46	35	SL	SL		VL	VL		2.1	
3	46	35	SL	SL		VL	VL		2.1	
4	82	51	CS-FX-CS	CS-FX-CS		VL	VL		2.1	1-2-1 CONFIGURATION.
5	24	48	SKY		YES	WD	VL		6.4	INTERIOR STORM.
6	24	48	SKY		YES	WD	VL		6.4	INTERIOR STORM.
7	44	43	DH	DH		VL	VL		2.1	
8	44	43	DH	DH		VL	VL		2.1	
9	18	24	SKY		YES	WD	VL		6.4	INTERIOR STORM. OPERABLE.
10	60	42	SL	SL		VL	VL		2.1	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **20**

Address: **481 Anita Place**

Revised:

Town: **Wheeling**

C&S COMPANIES®

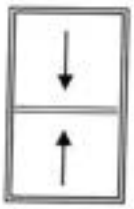
QuieterHome® Program

Window Elevations

PPN# 20

QUIETERHOME PROGRAM

List only the window #'s that are changing style



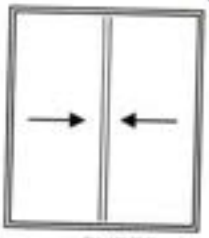
DOUBLE HUNG

Location



FIXED

Location



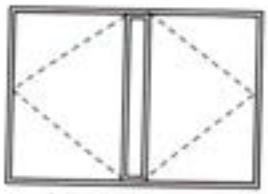
SLIDER

Location



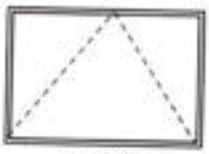
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

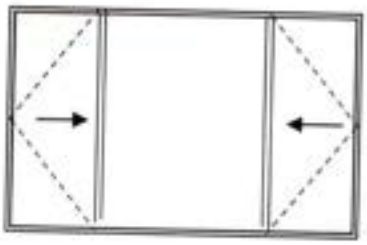
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ **Bay**
- ☐ **Bow**
- ☐ **Other** _____

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

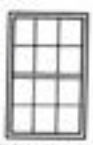
Configuration: _____

Location

Grille Styles



NO GRILL (All)



COLONIAL



COLONIAL TOP SASH ONLY



DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

PHASE 4
DUVAL
481 ANITA PL
PPN 20

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ **All windows to be replaced in kind**

☐ **Exceptions noted in field indicated above**

Jan Duval 05/08/26

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL.
B	32	80	NO	YES	NO	NO	NO	STANDARD	20	FIRE RATED DOOR.
C	70	79	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. KEY LOCK. REMOVE AND REINSTALL FLOOR LOCK. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase:	PPN:
Address: **481 Anita Place**	**4**	**20**
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 20

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☒ Fiberglass
- ☐ Wood

DOOR A

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4
DUVAL
481 ANITA PL
PPN 20

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner

05/08/26
Date

Rev. 02/24

Exterior Prime Door Style Selections

PPN# 20

QUIETERHOME PROGRAM

Interior Solid Core Door

Interior Door = Wood

P10



_____

_____

_____

Location

P11



P12



Solid Core Door-Fire Rated

P13



☐ *Steel*
☐ *Wood*

_____

_____

_____

Location

P14



☒ *Steel*
☐ *Wood*

Door B

_____

_____

Location

P15



Right or Left to match existing

Single Sidelite Door

_____ **Location**

_____ **Sidelite Style**

P16

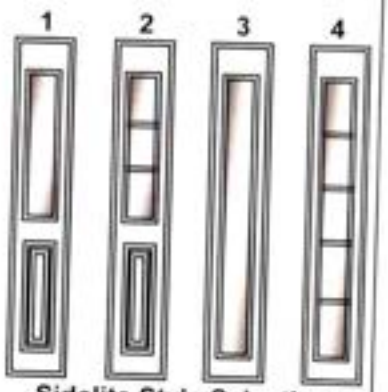


Double Sidelite Door

_____ **Location**

_____ **Sidelite Style**

Sidelite Style Selection



Note: Sidelites to be provided by same door manufacturer

Note:

- **Fiberglass and Wood can be painted or stained**
- **Steel can only be painted**
- **Color selection to be determined at measurement walk-through**
- **Shaded area shows where there is glass**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**
- **Clear glass is provided as a standard in all doors. Frosted glass can be provided but must be specified on the selection sheet.**

Homeowner Label

PHASE 4 PPN 20
DUVAL
481 ANITA PL

I have reviewed the Style selections on this sheet and understand these to be final.

Anna Duval 05/04/26

Homeowner Signature Date

Rev. 01/20

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

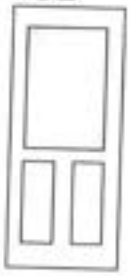
PPN# 20

S1



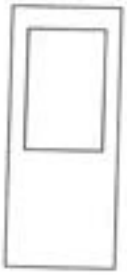
Location

S2



Location

S3



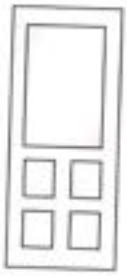
Location

S4



Location

S5



Location

S6



DOOR A

Location

S7



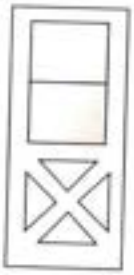
Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☐ **WHITE** ☒ **ALMOND/BEIGE**

Homeowner Label

PHASE 4
DUVAL
481 ANITA PL

PPN 20

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner

05/08/22

Date

Rev. 02/21

PPN# 20

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

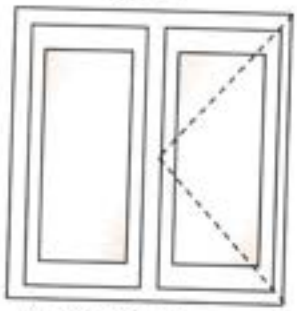


Sliding Glass Door

Door C

Location

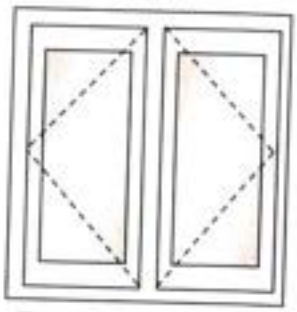
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

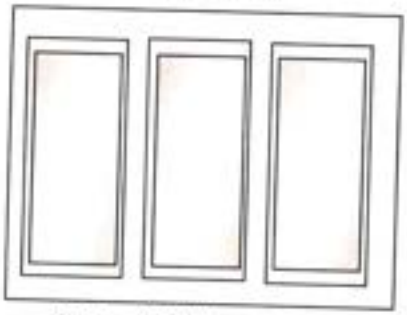


Sliding Storm Door

Door C

Location

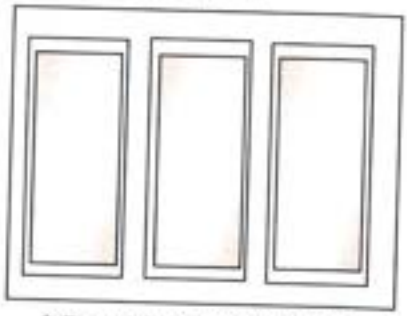
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION

SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING STORM DOOR
[X] WHITE	[X] WHITE
[ ] ALMOND/BEIGE	[ ] ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner — Date: 05/08/26

PHASE 4
DUVAL
481 ANITA PL
PPN 20

Rev. 03/26

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27305

RE: Limited Asbestos & Lead Inspections
20 Duval
481 Anita Place
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 481 Anita Place, Wheeling, Illinois 60090.

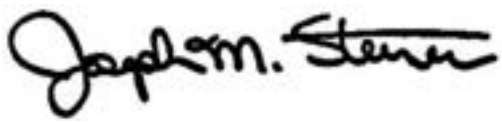
The findings of the attached reports showed four (4) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Fifty-two (52) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **482 Anita Place**

Phase: **4**

PPN: **21**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO

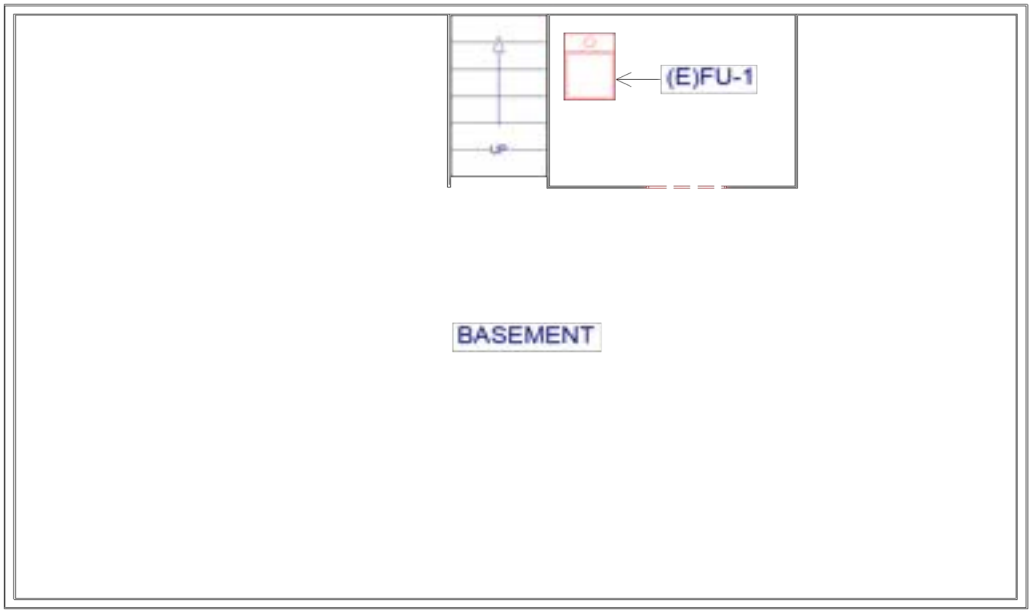


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**21**
Address:	**482 Anita Place**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



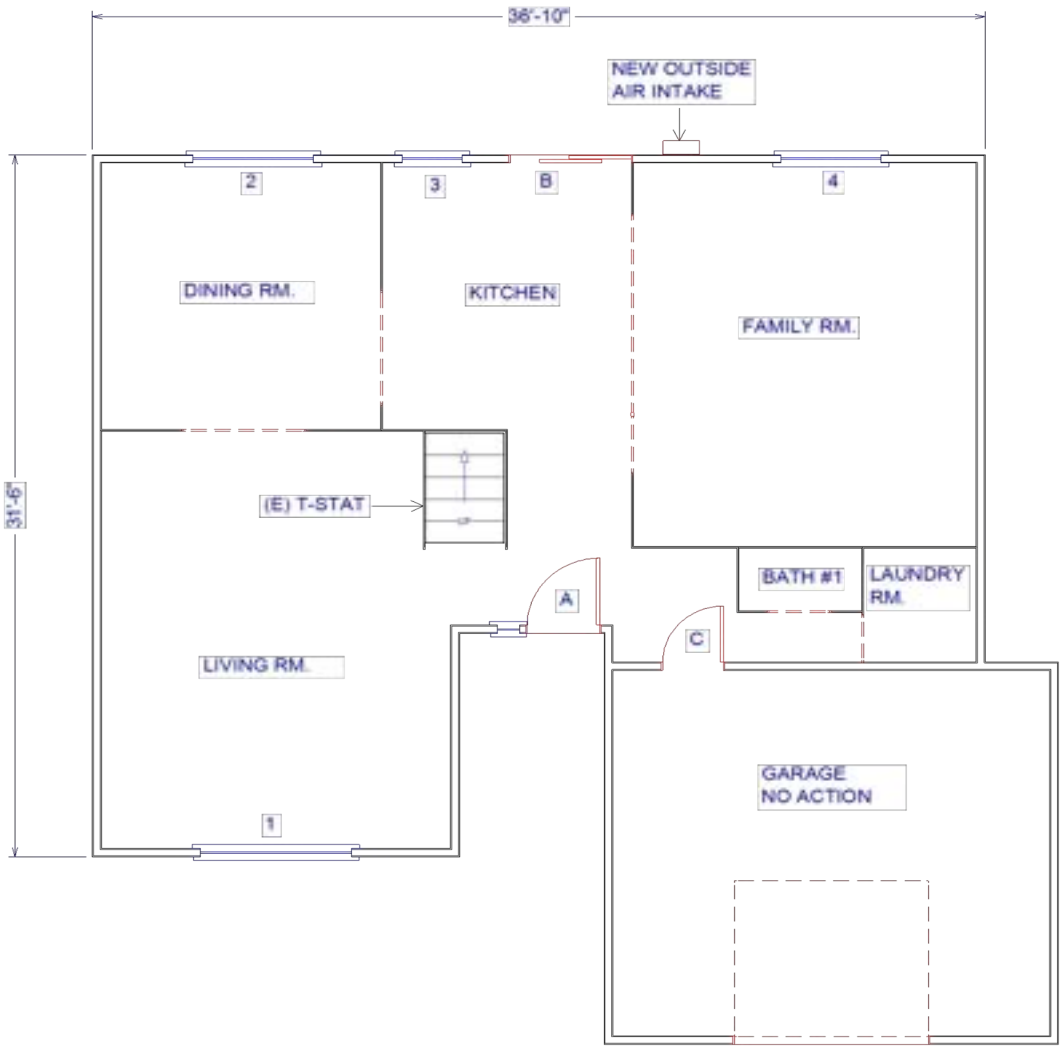
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**21**
Address:	**482 Anita Place**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



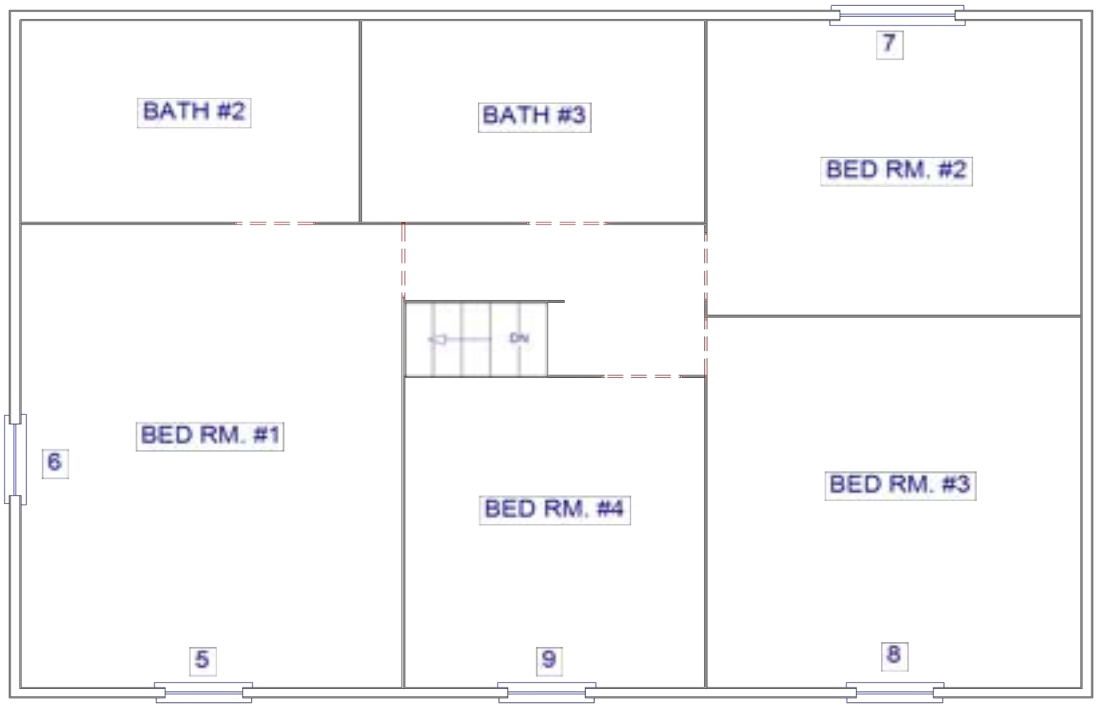
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**21**
Address:	**482 Anita Place**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

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SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **21**
Address: **482 Anita Place**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	110	45	DH-DH-DH	DH-DH-DH		WD	VL		2.1	1-1-1 CONFIGURATION.
2	72	52	DH-DH	DH-DH		WD	VL		2.1	1-1 CONFIGURATION.
3	35	36	DH	DH		WD	VL		2.1	
4	72	52	DH-DH	DH-DH		WD	VL		2.1	1-1 CONFIGURATION.
5	43	45	DH	DH		WD	VL		2.1	REMOVE AND REINSTALL EXTERIOR SHUTTERS.
6	43	45	DH	DH		WD	VL		2.1	
7	72	45	DH-DH	DH-DH		WD	VL		2.1	1-1 CONFIGURATION.
8	43	45	DH	DH		WD	VL		2.1	REMOVE AND REINSTALL EXTERIOR SHUTTERS.
9	43	45	DH	DH		WD	VL		2.1	REMOVE AND REINSTALL EXTERIOR SHUTTERS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **21**

Revised:

Address: **482 Anita Place**

Town: **Wheeling**

C&S COMPANIES®

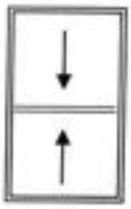
QuieterHome® Program

Window Elevations

PPN# 21

QUIETERHOME PROGRAM

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

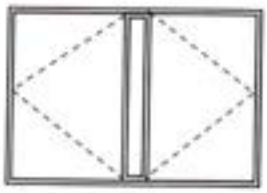
Location

Location

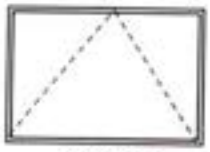
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

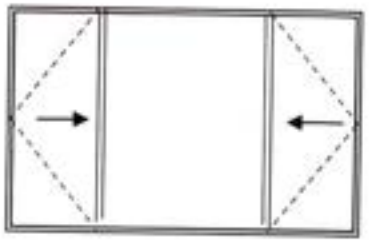
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other _____

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration: _____

Location

Grille Styles

all



NO GRILL



COLONIAL



COLONIAL TOP SASH ONLY



DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note, Colors vary per manufacturer

☑ **WHITE** PHASE 4 PPN 21 :IGE
PATEL
482 ANITA PL

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☑ **All windows to be replaced in kind**

☐ **Exceptions noted in field indicated above**

V.B. Patel

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL. 14 INCH SIDELITE WITH STORM.
B	70	79	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.
C	32	80	NO	YES	NO	NO	NO	STANDARD	20	FIRE RATED DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase:	PPN:
Address: **482 Anita Place**	**4**	**21**
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 21

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☒ Steel
- ☐ Wood
- ☒ Peep Hole

DOOR A

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☐ Fiberglass
- ☐ Wood

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4
PATEL
482 ANITA PL
PPN 21

I have reviewed the Style selections on this sheet and understand these to be final.

V. P. Patel

Homeowner Date

Rev. 02/24

Exterior Prime Door Style Selections

PPN# 21

QUIETERHOME PROGRAM

Interior Solid Core Door

Interior Door = Wood

P10



P11



P12



Location

Solid Core Door-Fire Rated

P13



☐ Steel
☐ Wood

Location

P14

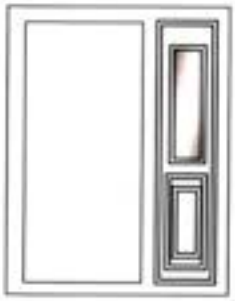


☒ Steel
☐ Wood

Door C

Location

P15



Right or Left to match existing

Single Sidelite Door

Door A — Location

#2 — Sidelite Style

P16



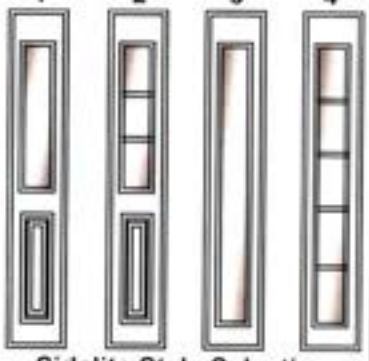
Double Sidelite Door

_____ Location

_____ Sidelite Style

Note: Sidelites to be provided by same door manufacturer

1 2 3 4



Sidelite Style Selection

Note:

- Fiberglass and Wood can be painted or stained
- Steel can only be painted
- Color selection to be determined at measurement walk-through
- Shaded area shows where there is glass
- Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.
- Clear glass is provided as a standard in all doors. Frosted glass can be provided but must be specified on the selection sheet.

Homeowner Label

PHASE 4 PPN 21
PATEL
482 ANITA PL

I have reviewed the Style selections on this sheet and understand these to be final.

V B Patel
Homeowner Signature Date

Rev. 01/20

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

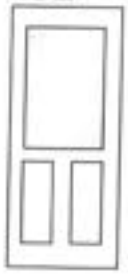
PPN# 21

S1



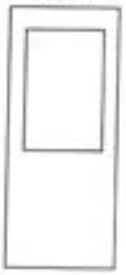
Location

S2



Location

S3



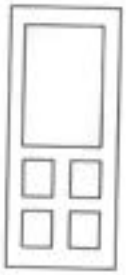
Location

S4



Location

S5



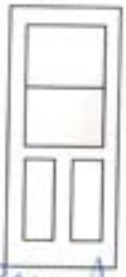
Location

S6



Location

S7



Door A

Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☑ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 21
PATEL
482 ANITA PL

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

V.B. Patel

Homeowner Date

Rev. 02/21

PPN# 21

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

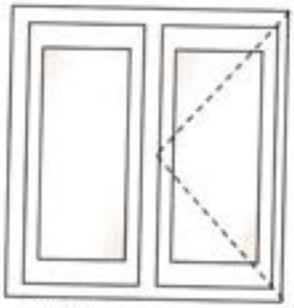


Sliding Glass Door

Door B

Location

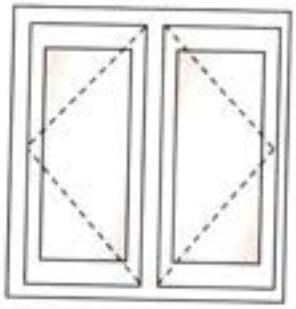
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

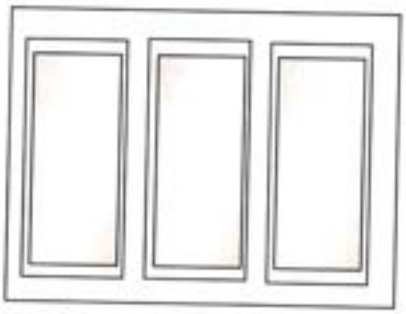


Sliding Storm Door

Door B

Location

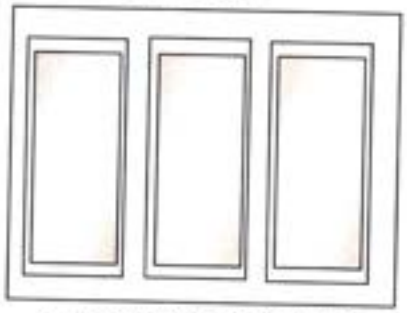
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION

SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS ***EXTERIOR***	*SLIDING **STORM** DOOR*
☒ WHITE	☐ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

V. P. Patel

Homeowner Date

PHASE 4
PATEL
482 ANITA PL

PPN 21

Rev. 03/26

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27300

RE: Limited Asbestos & Lead Inspections
21 Patel
482 Anita Place
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 482 Anita Place, Wheeling, Illinois 60090.

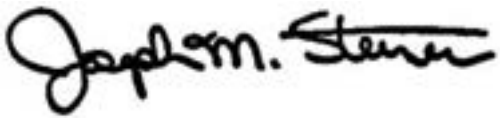
The findings of the attached reports showed six (6) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Sixty-three(63) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **495 Anita Place**

Phase: **4**

PPN: **24**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**24**
Address:	**495 Anita Place**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



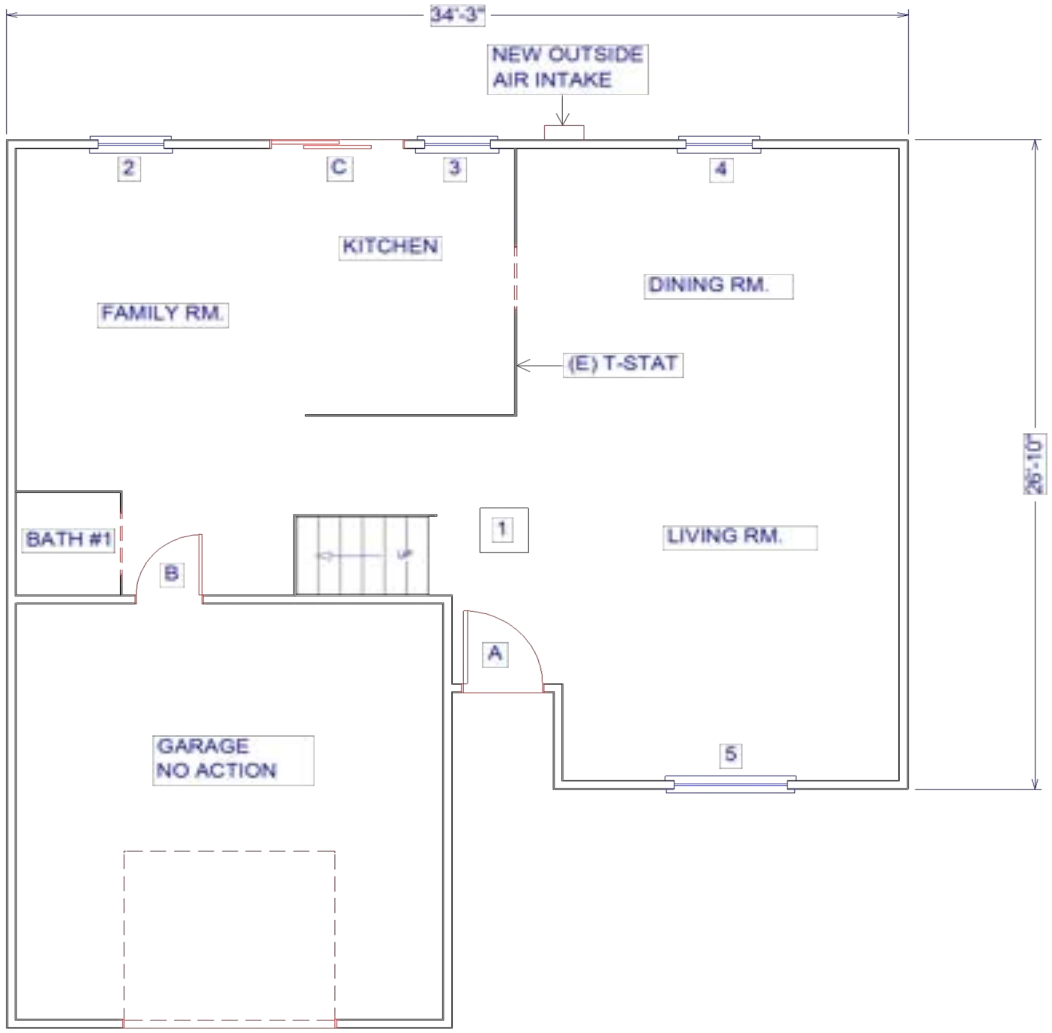
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **24**
Address: **495 Anita Place**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



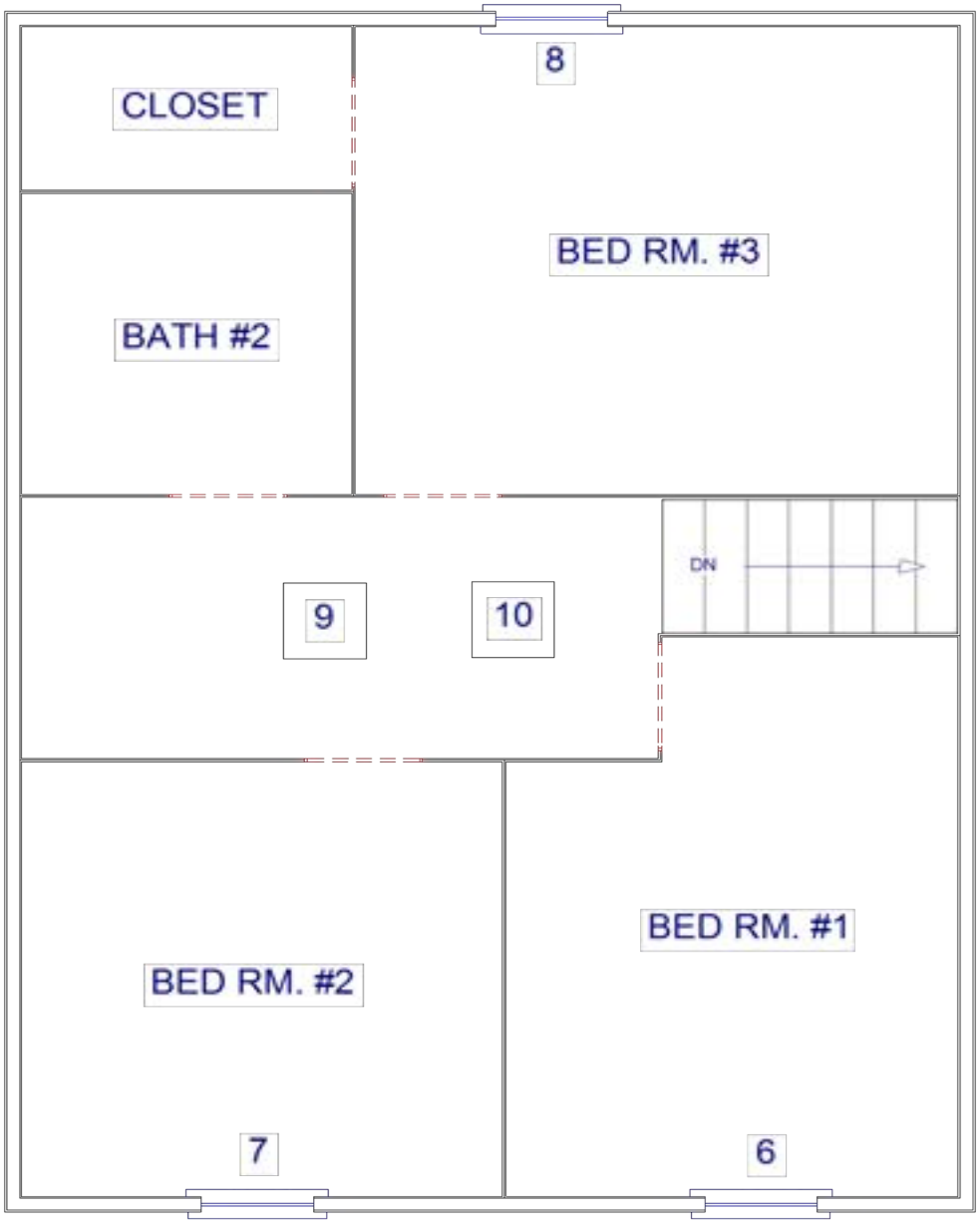
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **24**
Address: **495 Anita Place**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **24**
Address: **495 Anita Place**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	18	24	SKY		YES	WD	VL		6.4	INTERIOR STORM.
2	52	40	SL	SL		VL	VL		2.1	
3	44	33	SL	SL		VL	VL		2.1	
4	51	41	SL	SL		VL	VL		2.1	
5	67	48	SL	SL		VL	VL		2.1	
6	44	43	SL	SL		VL	VL		2.1	
7	44	41	SL	SL		VL	VL		2.1	
8	60	41	SL	SL		VL	VL		2.1	
9	24	48	SKY		YES	WD	VL		6.4	INTERIOR STORM.
10	24	48	SKY		YES	WD	VL		6.4	INTERIOR STORM.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **24**
Address: **495 Anita Place**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Window Elevations

PPN# 24

QUIETERHOME PROGRAM

List only the window #'s that are changing style



DOUBLE HUNG

Location



FIXED

Location



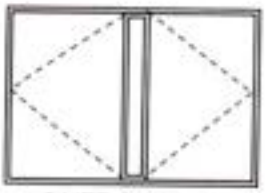
SLIDER

Location



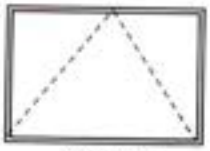
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

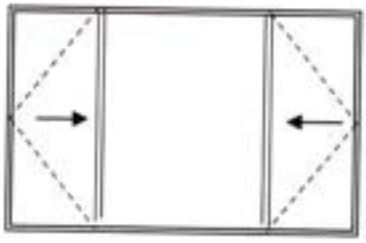
- ☐ Bay
- ☐ Bow
- ☐ Other

Location

Grille Styles



☐ Match existing configuration (ie vertical only)



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration:

Location

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

PHASE 4
LAPALOMBELLO
495 ANITA PL

PPN 24

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind

☐ Exceptions noted in field indicated above

Mario LaPalombella

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL.
B	32	80	NO	YES	NO	NO	NO	STANDARD	20	FIRE RATED DOOR.
C	70	79	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**	PPN: **24**
Address: **495 Anita Place**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Wheeling**		

Exterior Prime Door Style Selections

PPN# 24

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☒ Fiberglass
- ☐ Wood

Door A

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 24
LAPALOMBELLO
495 ANITA PL

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/24

Exterior Prime Door Style Selections

PPN# 24

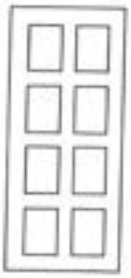
QUIETERHOME PROGRAM

Interior Solid Core Door
Interior Door = Wood

P10



P11



P12



_____

_____

_____

Location

Solid Core Door-Fire Rated

P13



☐ *Steel*
☐ *Wood*

_____

_____

_____

Location

P14



☒ *Steel*
☐ *Wood*

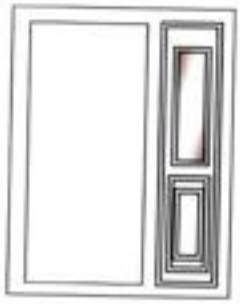
Door B

_____

_____

Location

P15



Right or Left to match existing

Single Sidelite Door

_____ **Location**

_____ **Sidelite Style**

P16

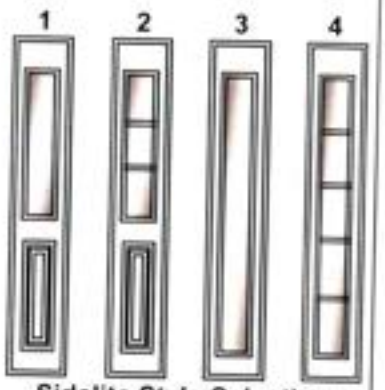


Double Sidelite Door

_____ **Location**

_____ **Sidelite Style**

Sidelite Style Selection



Note: Sidelites to be provided by same door manufacturer

Note:

- **Fiberglass and Wood can be painted or stained**
- **Steel can only be painted**
- **Color selection to be determined at measurement walk-through**
- **Shaded area shows where there is glass**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**
- **Clear glass is provided as a standard in all doors. Frosted glass can be provided but must be specified on the selection sheet.**

Homeowner Label

PHASE 4 PPN 24
LAPALOMBELLO
495 ANITA PL

I have reviewed the Style selections on this sheet and understand these to be final.

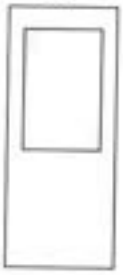
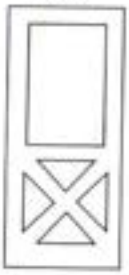
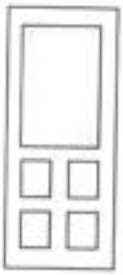
Homeowner Signature Date

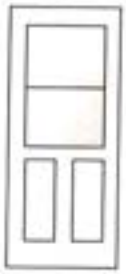
Rev. 01/20

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

PPN# 24

S1	S2	S3	S4	S5
				
Door A				
Location	Location	Location	Location	Location

S6	S7	S8	S9
			
Location	Location	Location	Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4
LAPALOMBELLO
495 ANITA PL
PPN 24

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Maria LaPalombella

Homeowner Date

Rev. 02/21

PPN# 24

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1



Sliding Glass Door

Door C

Location

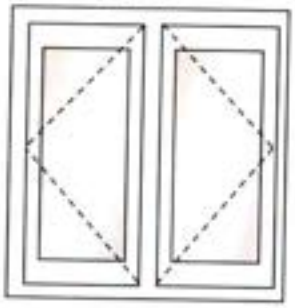
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

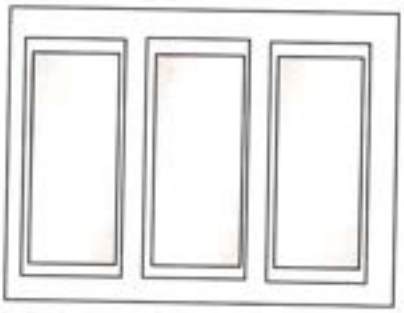


Sliding Storm Door

Door C

Location

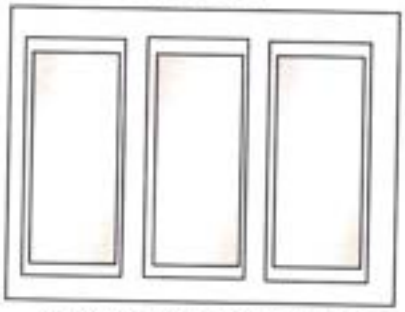
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION

SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING STORM DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Marie LaPalombella

Homeowner Date

PHASE 4 PPN 24
LAPALOMBELLO
495 ANITA PL

Rev. 03/26

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27299

RE: Limited Asbestos & Lead Inspections
24 Lapalombello
495 Anita Place
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 495 Anita Place, Wheeling, Illinois 60090.

The findings of the attached reports showed six (6) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Sixty-two (62) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **323 Crescent Drive**

Phase: **4**

PPN: **45**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO

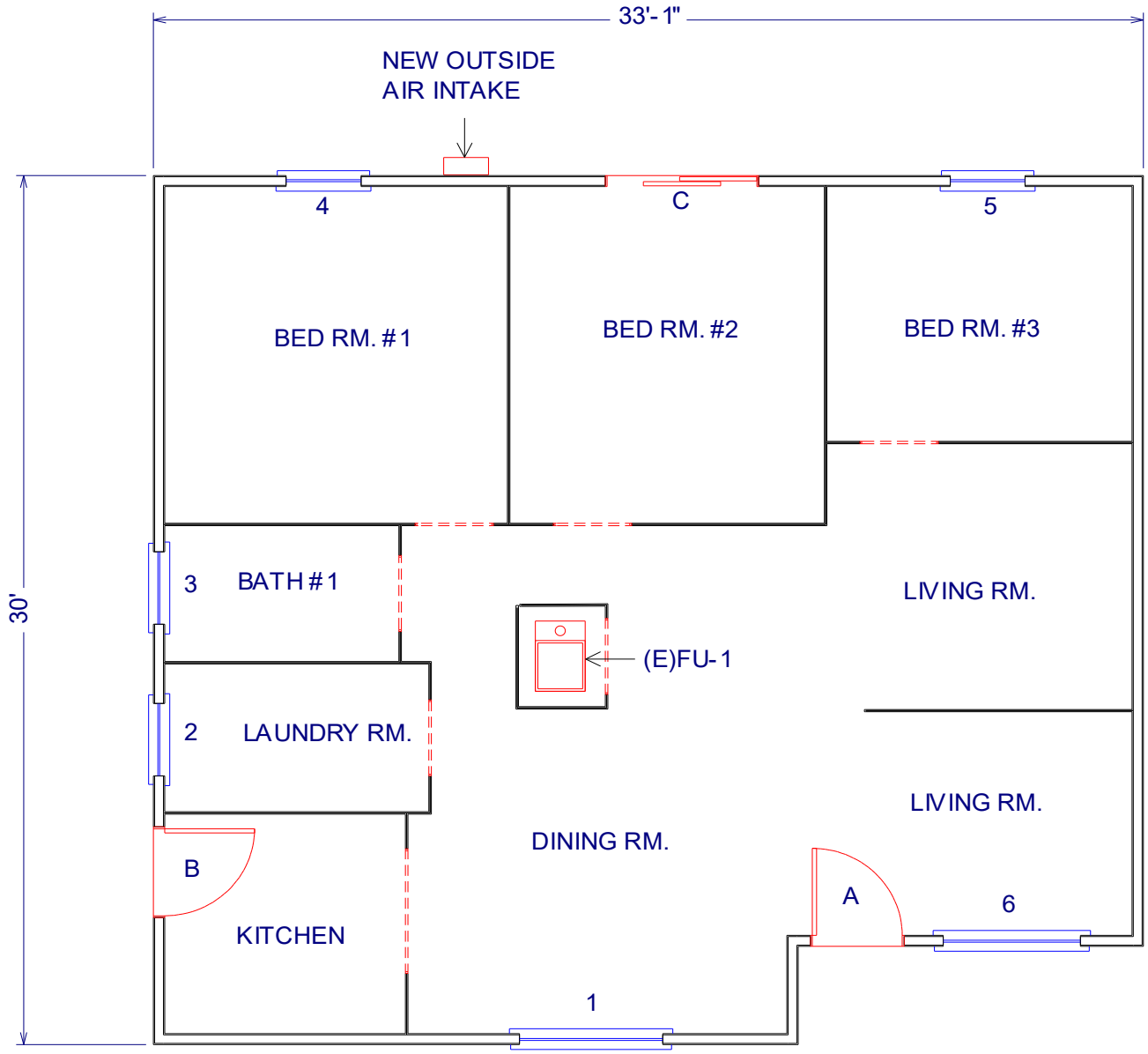


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**45**
Address:	**323 Crescent Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **45**
Address: **323 Crescent Drive**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	25	56	DH-DH	DH-DH		VL	VL	COL	2.1	
2	34	34	DH	DH		VL	VL	COL	2.1	
3	34	34	DH	DH		VL	VL	COL	2.1	OPAQUE GLASS. TEMPERED GLASS. TILE RETURNS.
4	70	34	DH-DH	DH-DH		VL	VL	COL	2.1	
5	70	34	DH-DH	DH-DH		VL	VL	COL	2.1	
6	96	58	DH-FX-DH	DH-FX-DH		VL	VL	COL	2.1	1-2-1 CONFIGURATION.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **45**

Revised:

Address: **323 Crescent Drive**

Town: **Wheeling**

C&S COMPANIES®

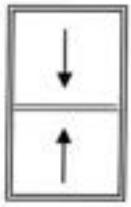
QuieterHome® Program

PPN# 45

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG

Location



FIXED

Location



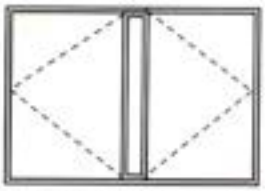
SLIDER

Location



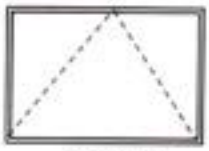
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other _____

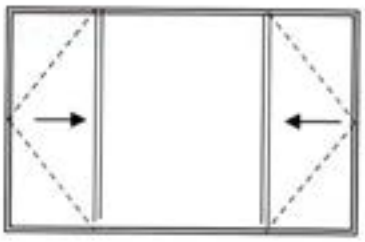
Location

Grille Styles



All

☐ Match existing configuration (ie.vertical only)



☐ SL – FX – SL

☐ CS – FX – CS

Configuration:

Location

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☐ WHITE

☒ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind

☐ Exceptions noted in field indicated above

PHASE 4
SUAVERDEZ
323 CRESCENT DR

PPN 45

Homeowner

Date

Elisa R. Suaverdez

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL.
B	31	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL.
C	68	79	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**	PPN: **45**
Address: **323 Crescent Drive**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 45

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood

Door B

Location

P7



- ☐ Fiberglass
- ☒ Wood

Door A

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4
PPN 45
SUAVERDEZ
323 CRESCENT DR

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner

Date

Rev. 02/24

QUIETERHOME PROGRAM

PPN# 45

Exterior Storm Door Style Selections

S1



Door A

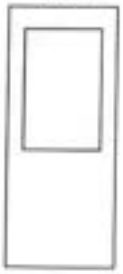
Location

S2



Location

S3



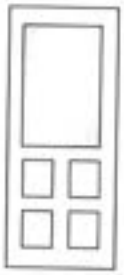
Location

S4



Location

S5



Location

S6



Door B

Location

S7



Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☐ **WHITE** ☒ **ALMOND/BEIGE**

Homeowner Label

PHASE 4
SUAVERDEZ
323 CRESCENT DR
PPN 45

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner

Date

Rev. 02/21

PPN# 45

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

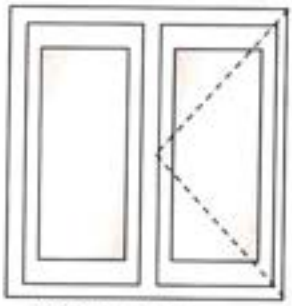


Sliding Glass Door

Door C

Location

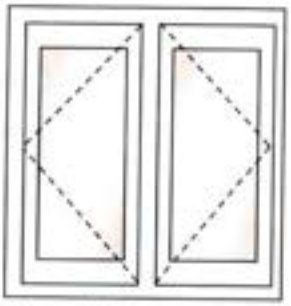
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

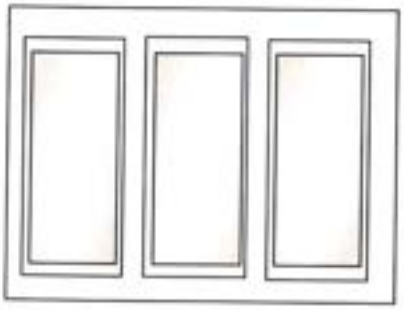


Sliding Storm Door

Door C

Location

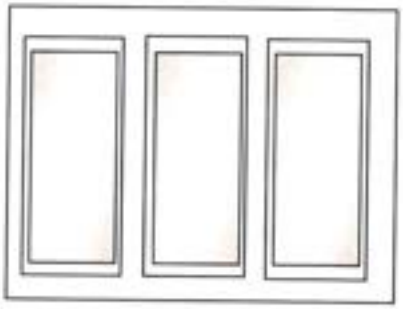
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS **EXTERIOR**	SLIDING **STORM** DOOR
☐ WHITE	☐ WHITE
☒ ALMOND/BEIGE	☒ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

PHASE 4 PPN 45
SUAVERDEZ
323 CRESCENT DR

Rev. 03/26

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 13, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27309

RE: Limited Asbestos & Lead Inspections
45 Suaverdez
323 Crescent Drive
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 323 Crescent Drive, Wheeling, Illinois 60090.

The findings of the attached reports showed six (6) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Seven (7) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **339 Crescent Drive**

Phase: **4**

PPN: **48**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO

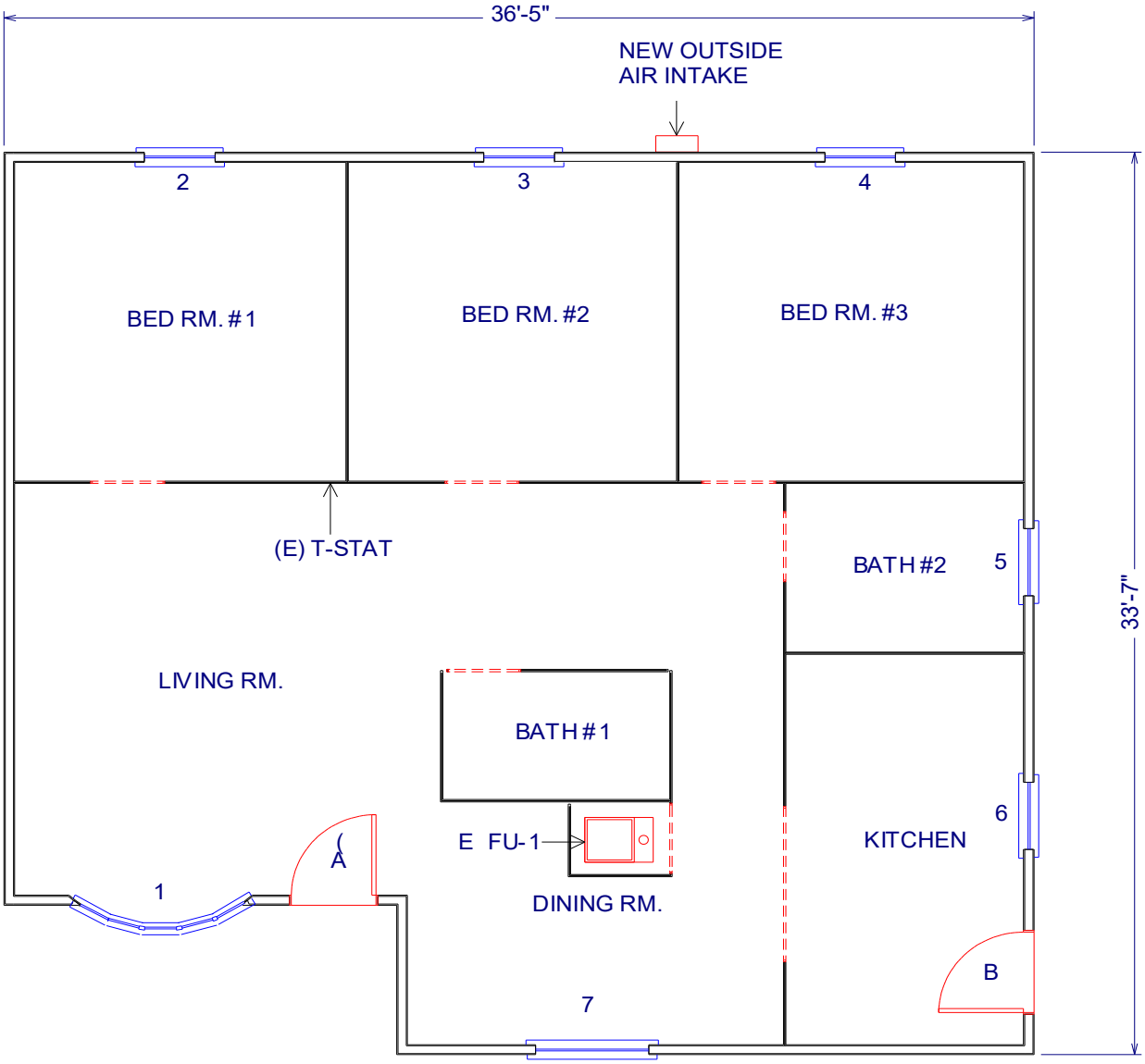


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**48**
Address:	**339 Crescent Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **48**
Address: **339 Crescent Drive**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	91	56	BOW	BOW		VL	VL	COL	9.0	1-1-1-1-1 CONFIGURATION. CS-FX-CS-FX-CS. 16" PROJECTION.
2	68	32	SL	SL		VL	VL		2.1	
3	68	32	SL	SL		VL	VL		2.1	
4	68	32	SL	SL		VL	VL		2.1	
5	33	34	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS. TILE RETURNS.
6	46	34	GARDEN	SL		AL	VL		2.1	
7	28	57	CS-CS	CS-CS		VL	VL	COL	2.1	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **48**

Address: **339 Crescent Drive**

Revised:

Town: **Wheeling**

C&S COMPANIES®

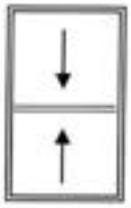
QuieterHome® Program

Window Elevations

PPN# 48

QUIETERHOME PROGRAM

List only the window #'s that are changing style



DOUBLE HUNG

Location



FIXED

Location



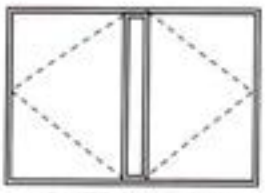
SLIDER

Location



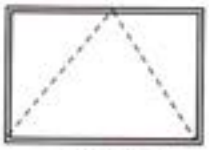
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

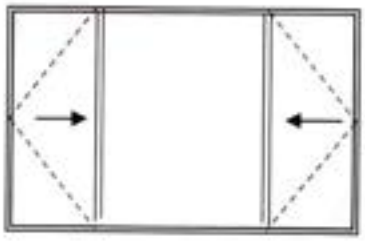
Specialty Windows *(draw here)*

☐ **Bay**

☐ **Bow**

☐ **Other** _____

Location



☐ SL – FX – SL

☐ CS – FX – CS

Configuration: _____

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL (TOP SASH ONLY) | DIAMOND | DIAMOND (TOP SASH ONLY)

☐ Match existing configuration (ie vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ **All windows to be replaced in kind**

☐ **Exceptions noted in field indicated above**

PHASE 4
CHAVEZ
339 CRESCENT DR
PPN 48

Maria I Luelcyo 5-4-26
Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL. LEVER HANDLE
B	32	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL. LEVER HANDLE.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase:	PPN:
	4	**48**
Address: **339 Crescent Drive**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Wheeling**		

Exterior Prime Door Style Selections

PPN# 48

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood

Door A - opaque glass

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood

Door B

Location

P7



- ☐ Fiberglass
- ☐ Wood

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 48
CHAVEZ
339 CRESCENT DR

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner 5-4-26 Date

Rev. 02/24

QUIETERHOME PROGRAM

PPN# 48

Exterior Storm Door Style Selections

S1



Door A

Location

S2



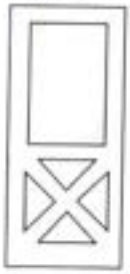
Location

S3



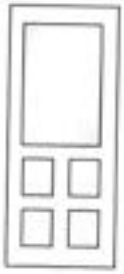
Location

S4



Location

S5



Location

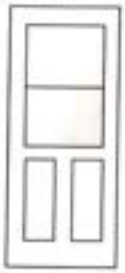
S6



Door B

Location

S7



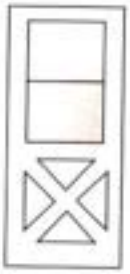
Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 48
CHAVEZ
339 CRESCENT DR

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Maria I Chavez 5-9-26

Homeowner Date

Rev. 02/21

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27283

RE: Limited Asbestos & Lead Inspections
48 Chevez
339 Crescent Dr.
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 393 Meadowbrook, Wheeling, Illinois 60090.

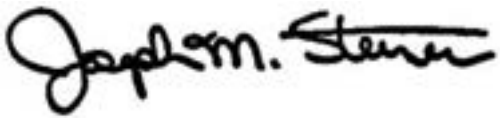
The findings of the attached reports showed eleven(11) samples were analyzed for asbestos content with two(2) samples found to contain asbestos >1% asbestos.

Thirty-four (34) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#48 Chevez
339 Crescent Drive
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 6, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27281

RE: Limited Asbestos Inspection
#48 Chavez
339 Crescent Drive
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 339 Crescent Drive, Wheeling, Illinois 60090. Eleven(11) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. Two (2) were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

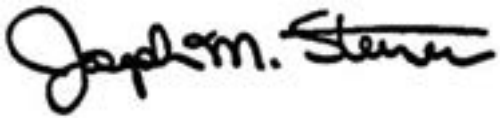
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447

Reviewed by,

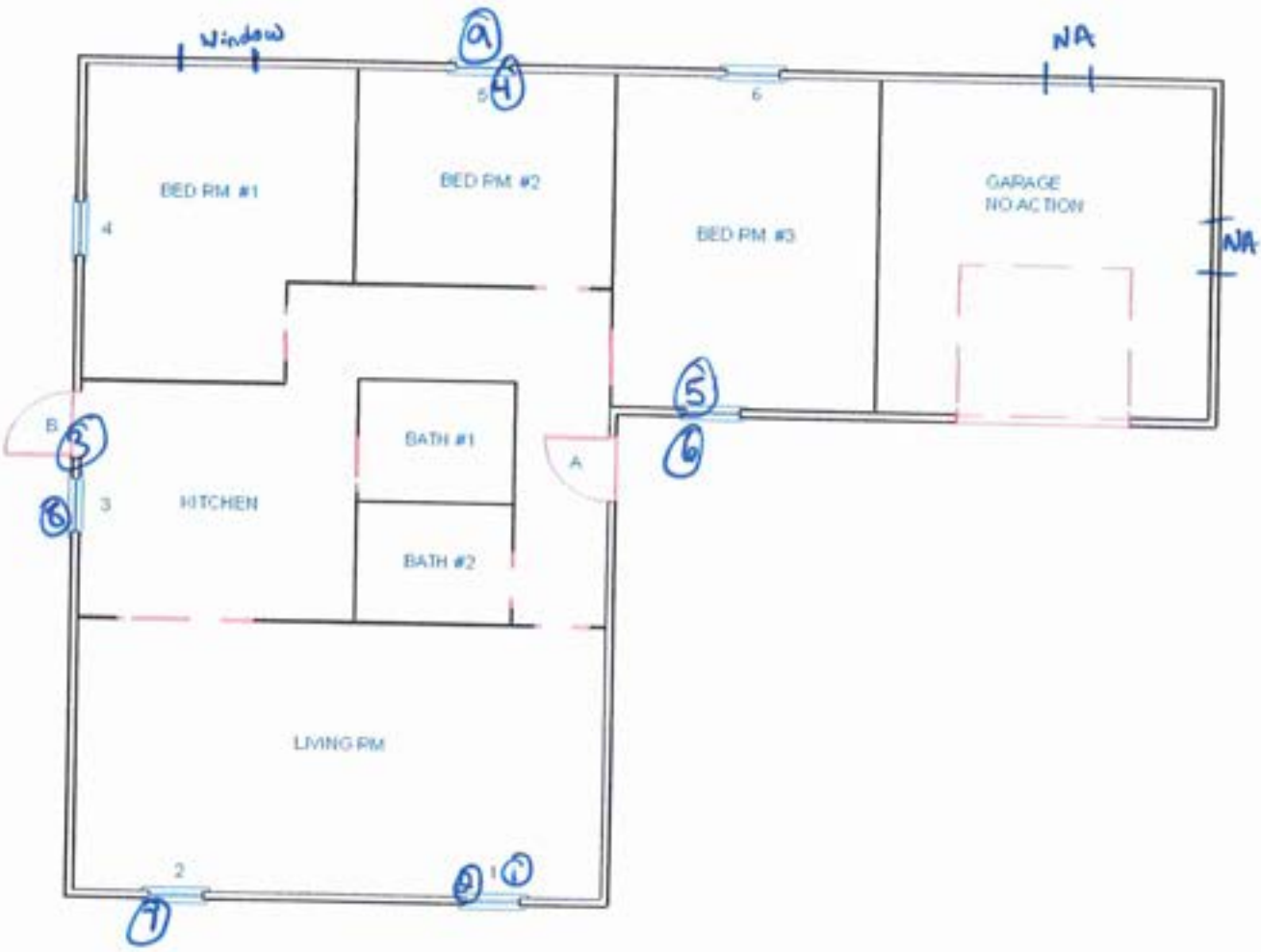
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27283-04-0601	Interior Front Dining Window Vinyl 2 Windows	Good	No	High	None Detected
27283-04-0602	Interior Window Paint Dining 2 Windows	Good	No	High	None Detected
27283-04-0603	Interior Front Living Window Vinyl 2 Windows	Good	No	High	None Detected
27283-04-0604	Interior Window Paint Living 2 Windows	Good	No	High	None Detected
27283-04-0605	Interior Window Paint Bedroom 2, 3 Windows	Good	No	High	None Detected
27283-04-0606	Interior Mortar on Kitchen Window,1 Window	Good	No	High	None Detected
27283-04-0607	Exterior Window Caulk 1 Window	Good	No	High	None Detected
27283-04-0608	**Exterior Side Door Caulk, 1 Door**	**Good**	**No**	**High**	**1.5% Chrysotile**
27283-04-0609	**Exterior Front Door Caulk, 1 Door**	**Good**	**No**	**High**	**2% Chrysotile**
27283-04-0610	Exterior Living Room Window Caulk 2 Windows	Good	No	High	None Detected
27283-04-0611	Exterior Bedroom #2 Window Caulk 3 Windows	Good	No	High	None Detected


Window
NA
BED RM #1
BED RM #2
BED RM #3
GARAGE
NO ACTION
NA
BATH #1
BATH #2
KITCHEN
LIVING RM
A
B
1
2
3
4
5
6

Teramani

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 07, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27282
JMS Batch: 38394

Re: Bulk Asbestos Analyses of sample(s) received 4/6/2026.
99 Teramani 107 Meadowbrook Ln - #99

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 µm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: # 99 Teramani 107 Meadowbrook Ln
Client Project Ref: - #99

Project Number: J-27282
Work Order: 38289
Batch Number: 38394

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392565	--	27282-04-0601	Heterogeneous White Caulking	--	--	--	<1	--	--
392566	--	27282-04-0602	Homogeneous White Caulking	---NON-FIBROUS---					
392567	--	27282-04-0603	Homogeneous White Caulking	--	--	--	<1	--	--
392568	--	27282-04-0604	Homogeneous White Caulking	--	--	--	<1	--	--
392569	--	27282-04-0605	Heterogeneous White, Black, Tan Paint	--	--	--	10	--	--

Abbreviations:
Croc. Crocidolite
Anth. Anthophyllite
Trem. Tremolite
Actin. Actinolite
Synth. Synthetic Fibers
CaSil. Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 07, 2026

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: # 99 Teramani 107 Meadowbrook Ln
Client Project Ref: - #99

Project Number: J-27282
Work Order: 38289
Batch Number: 38394

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392570	--	27282-04-0606	Homogeneous White Caulking	---NON-FIBROUS---					
392571	--	27282-04-0607	Homogeneous White Caulking	---NON-FIBROUS---					
392572	--	27282-04-0608	Homogeneous White Caulking	---NON-FIBROUS---					
392573	--	27282-04-0609	Homogeneous White Caulking	---NON-FIBROUS---					

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 07, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27282

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #99 107 Meadowbrook
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27282-04-0601	4/6/26	10:00	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27282-04-0602	↓	↓	☐	☐	↓	☐	☐	↓	☐	☐	☐	☐	☐	☐	
27282-04-0603			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27282-04-0604			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27282-04-0605			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27282-04-0606			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27282-04-0607			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27282-04-0608			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27282-04-0609	↓	↓	☐	☐	↓	☐	☐	↓	☐	☐	☐	☐	☐	☐	
27282-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:		Date:	4/6/26	Time:	10:00
Relinquished By:		Date:	4/6/26	Time:	11:45
Received By:		Date:	4/6/26	Time:	1:05p
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

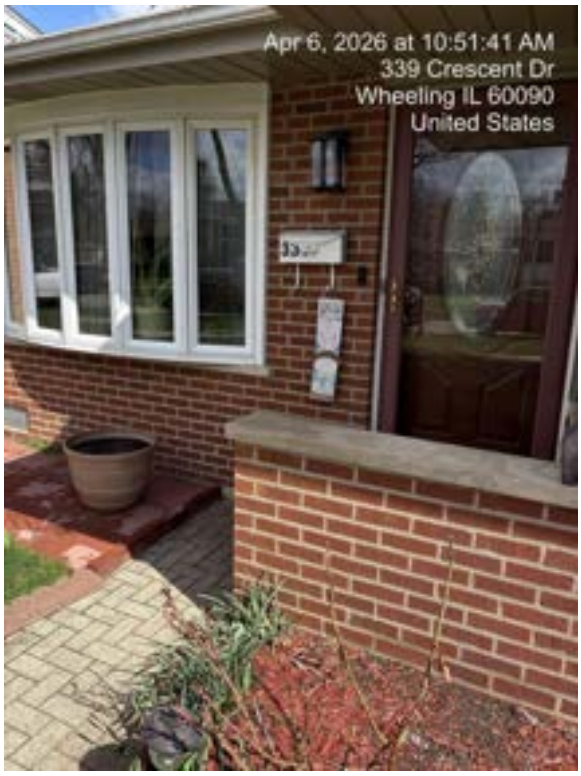
Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE

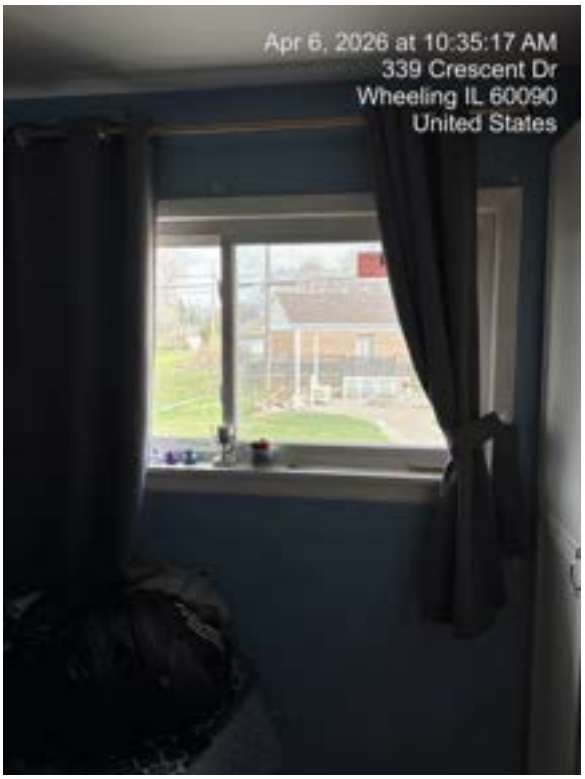

Apr 6, 2026 at 10:51:41 AM
339 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 10:26:47 AM
339 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 10:26:57 AM
339 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 10:38:04 AM
339 Crescent Dr
Wheeling IL 60090
United States

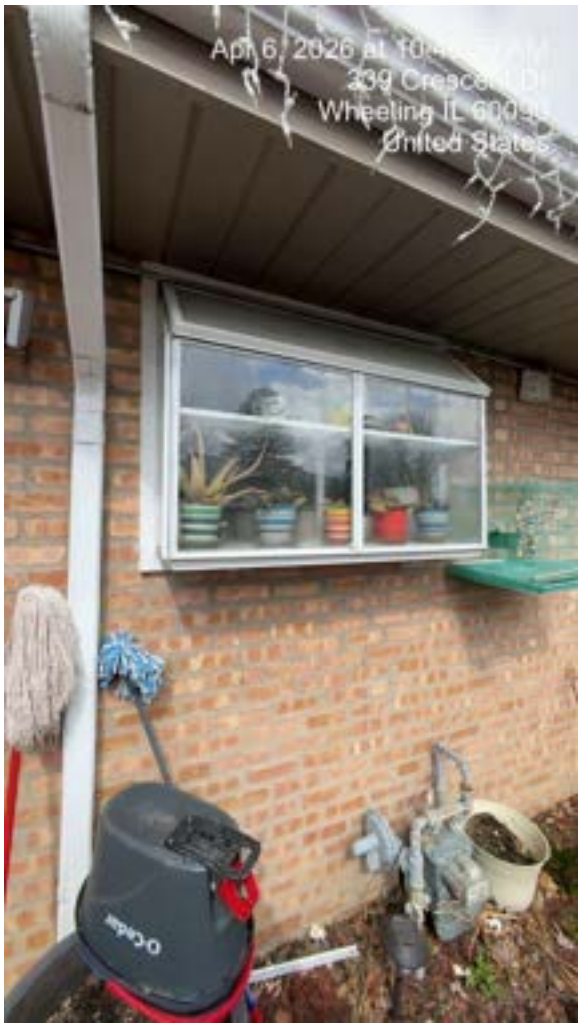

339 Crescent Dr
United States


Apr 6, 2026 at 10:35:17 AM
339 Crescent Dr
Wheeling IL 60090
United States


339 Crescent Dr
Wheeling IL 60090
United States

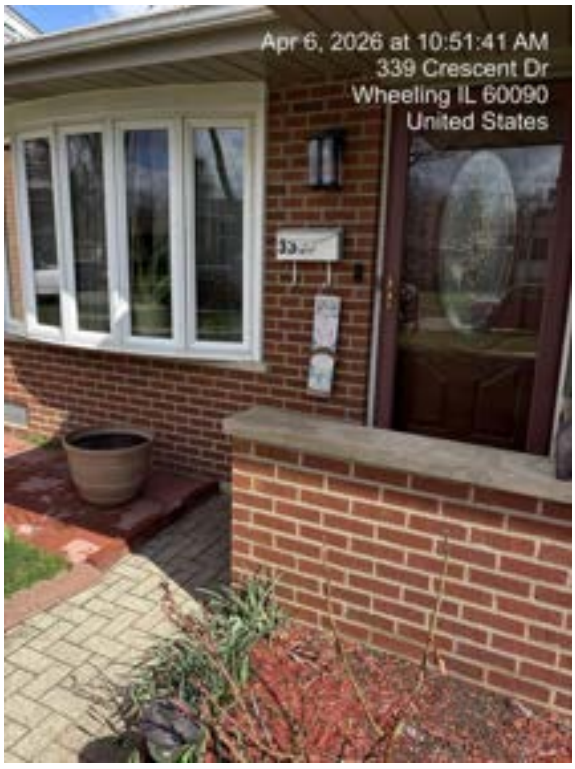

339 Crescent Dr
Wheeling IL 60090
United States






Apr 6, 2026 at 10:46:55 AM
339 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 10:51:39 AM
339 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 10:51:41 AM
339 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 10:54:24 AM
339 Crescent Dr
Wheeling IL 60090
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

48-339 Crescent Drive
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 6, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family home consisting of one floor with 3 bedrooms with a total of 8 windows and 2 doors. Each individual room was made up of gypsum (drywall) walls and ceilings. The windows and doors scheduled for replacement were made up of vinyl components with wooden frames in the interior and vinyl and metal on the exterior, where present. The exterior walls are primarily unpainted brick with some accentuating red wood siding in the South face (front).

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.03
					OK	0.95
					OK	0.95
ADDRESS OF SITE48-339 Crescent Drive						
Dining Room	C-Window 8 Frame	Wood	White	Intact	0.00	Negative
Dining Room	C-Window 8 Sill	Wood	White	Intact	0.00	Negative
Dining Room	C-Window 8	Vinyl	Brown	Intact	0.00	Negative
Dining Room	C-Wall	Drywall	Beige	Intact	0.00	Negative
Living Room	C-Door A Frame	Wood	White	Intact	0.00	Negative
Living Room	C-Door A Jamb	Wood	White	Intact	0.00	Negative
Living Room	C-Door A	Vinyl	Brown	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Living Room	C-Window 1 Frame	Wood	White	Intact	0.00	Negative
Living Room	C-Window 1 Sill	Wood	White	Intact	0.00	Negative
Living Room	C-Window 1	Wood	Varnish	Intact	0.00	Negative
Living Room	C-Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 1	A-Window 2 Frame	Wood	White	Intact	0.00	Negative
Bedroom 1	A-Window 2 Sill	Wood	White	Intact	0.00	Negative
Bedroom 1	A-Window 2	Vinyl	White	Intact	0.00	Negative
Bedroom 1	A-Wall	Drywall	Blue	Intact	0.00	Negative
Bedroom 2	A-Window 3 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	A-Window 3 Sill	Wood	White	Intact	0.00	Negative
Bedroom 2	A-Window 3	Vinyl	White	Intact	0.00	Negative
Bedroom 2	A-Wall	Drywall	Blue	Intact	0.00	Negative
Bedroom 3	A-Window 4 Frame	Wood	White	Intact	0.00	Negative
Bedroom 3	A-Window 4 Sill	Wood	White	Intact	0.00	Negative
Bedroom 3	A-Window 4	Vinyl	White	Intact	0.00	Negative
Bedroom 3	A-Wall	Drywall	Blue	Intact	0.00	Negative
Bathroom 2	B-Window 5 Frame	Vinyl	White	Intact	0.00	Negative
Bathroom 2	B-Window 5 Sill	Vinyl	White	Intact	0.00	Negative
Bathroom 2	B-Window 5	Vinyl	White	Intact	0.00	Negative
Bathroom 2	B-Wall	Tile	Brown	Intact	0.00	Negative
Kitchen	C-Window Frame	Wood	White	Intact	0.00	Negative
Kitchen	C-Window Sill	Laminate	White	Intact	0.00	Negative
Kitchen	C-Window	Metal	White	Intact	0.00	Negative
Kitchen	C-Door B Frame	Wood	White	Intact	0.00	Negative
Kitchen	C-Door B Jamb	Wood	White	Intact	0.00	Negative
Kitchen	C-Door B	Metal	White	Intact	0.0	Negative
Kitchen	C-Wall	Drywall	White	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that No lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

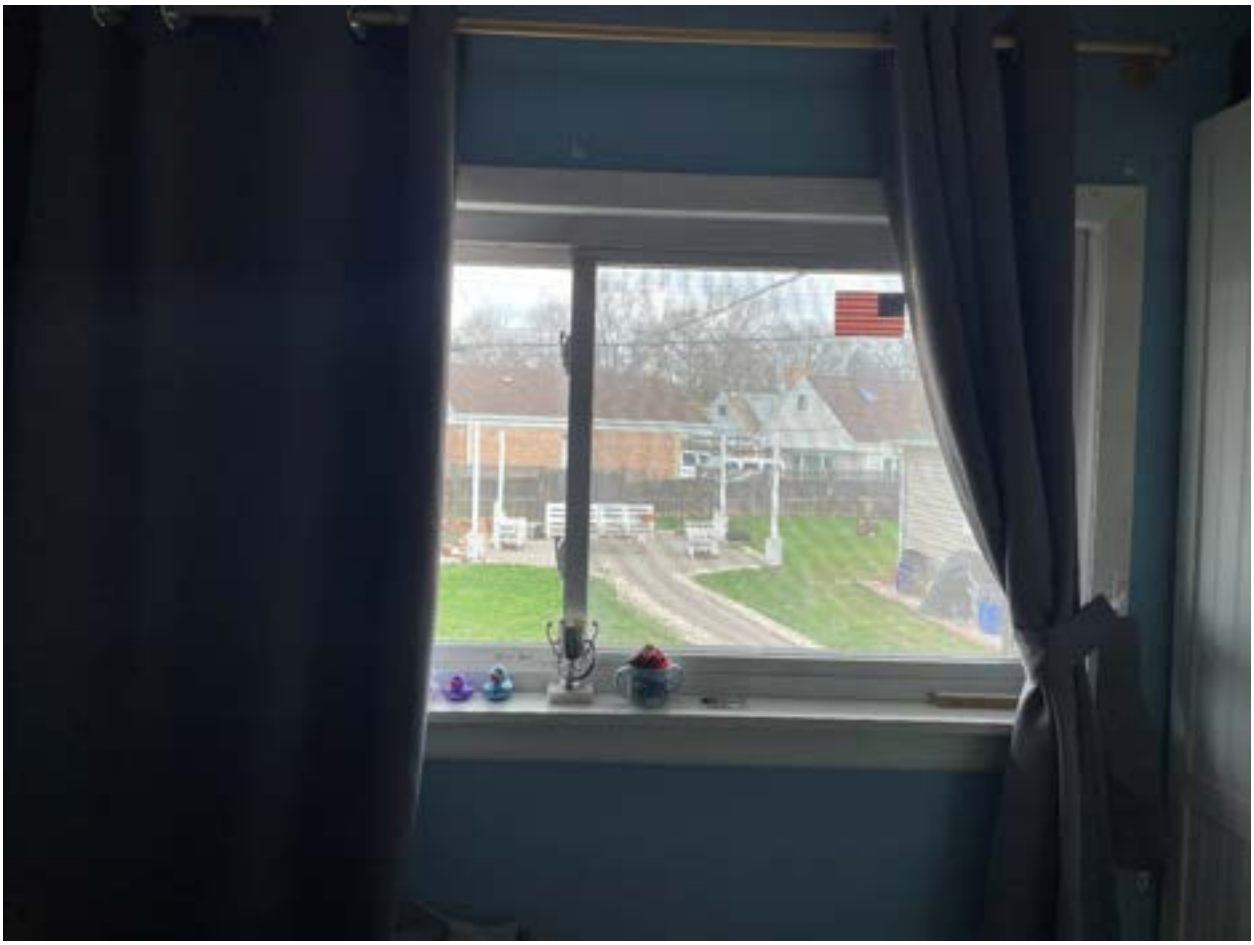
If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings



















Lead Based Paint Data Sheet

Building/Address: 48-339 Crescent Dr Inspection Date: 4/6/2026 XRF File #: _____

Functional Space: _____ Inspector: Kenneth Karuhn License #: 004544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ Sci Aps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
		Calibration					1.03, 0.95, 0.95		Acceptable
	Dining Room	C-Window 7/8 Frame	Wood	White	Intact	∅	0.00	N/A	Negative
	↓	7/8 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	↓ 7/8	Vinyl	Varnish/Brown	↓	↓	0.00	↓	↓
	↓	C-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Living Rm	C-Door A Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	JAMB	↓	↓	↓	↓	0.00	↓	↓
	↓	↓	Vinyl	Brown	↓	↓	0.00	↓	↓
	↓	Window 1 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	1 Sill	Vinyl	Brown	↓	↓	0.00	↓	↓
	↓	↓ 1	Wood	Varnish	↓	↓	0.00	↓	↓
	↓	C-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Bedroom 1	A-Window 2 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	2 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	↓ 2	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	A-Wall	Drywall	Blue	↓	↓	0.00	↓	↓
	Bedroom 2	A Window 3 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	3 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	↓ 3	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	A Wall	Drywall	Blue	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 48-339 Crescent Dr. Inspection Date: 4/6/2026 XRF File #:

Functional Space: Inspector: Kenneth Kaulen License #: 04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ Sci Ops Inspector's Signature:

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bedroom #3	A-Window 4 Frame	Wood	White	Intact	0	0.00	N/A	Negative
	↓	4 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	4	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	A-Wall	Drywall	Blue	↓	↓	0.00	↓	↓
	Bathroom #2	B-Window 5 Frame	Vinyl	White	↓	↓	0.00	↓	↓
	↓	5 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	5	↓	↓	↓	↓	0.00	↓	↓
	↓	B-Wall	Tile	Brown	↓	↓	0.00	↓	↓
	Kitchen	C-Window 6 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	6 Sill	Laminate	Beige	↓	↓	0.00	↓	↓
	↓	6	Metal	White	↓	↓	0.00	↓	↓
	↓	C-Door B Frame	Wood	↓	↓	↓	0.00	↓	↓
	↓	Jamb	↓	↓	↓	↓	0.00	↓	↓
	↓	↓	Metal	↓	↓	↓	0.00	↓	↓
	↓	C Wall	Drywall	White	↓	↓	0.00	↓	↓
	↓								

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 48-339 Crescent Dr Inspection Date: 4/6/2026 XRF File #: _____

Functional Space: _____ Inspector: Kenneth Kauha License #: 04544

XRF Serial #: _____ XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Kauha

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior B	Door B Frame	Vinyl	White	Intact	Ø	0.00	N/A	Negative
		B-Wall Siding	Wood	Tan	Intact	Ø	0.00		
		B window 6 Frame	Metal	White			0.00		
		6 Frame	Vinyl				0.00		
		6	Metal				0.00		
	Ext. B	B-Window 5 Frame	Metal				0.00		
		5	Vinyl				0.00		
	Ext A	A- Window 2 Frame	Metal				0.00		
		2	Vinyl				0.00		
		3 Frame	M				0.00		
		3	V				0.00		
		4 Frame	M				0.00		
		4	V				0.06		
	Ext. C	C- Window 7 Frame	M				0.00		
		7	V				0.00		
		8 Frame	M				0.00		
		8	V				0.06		
	C Door A Frame		Wood	White			0.00		
		Vinyl	Vinyl	Brown			0.00		

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 48-3309 Crescent Dr Inspection Date: 4/6/2026 XRF File #: _____

Functional Space: _____ Inspector: Kenneth Kaputa License #: 04544

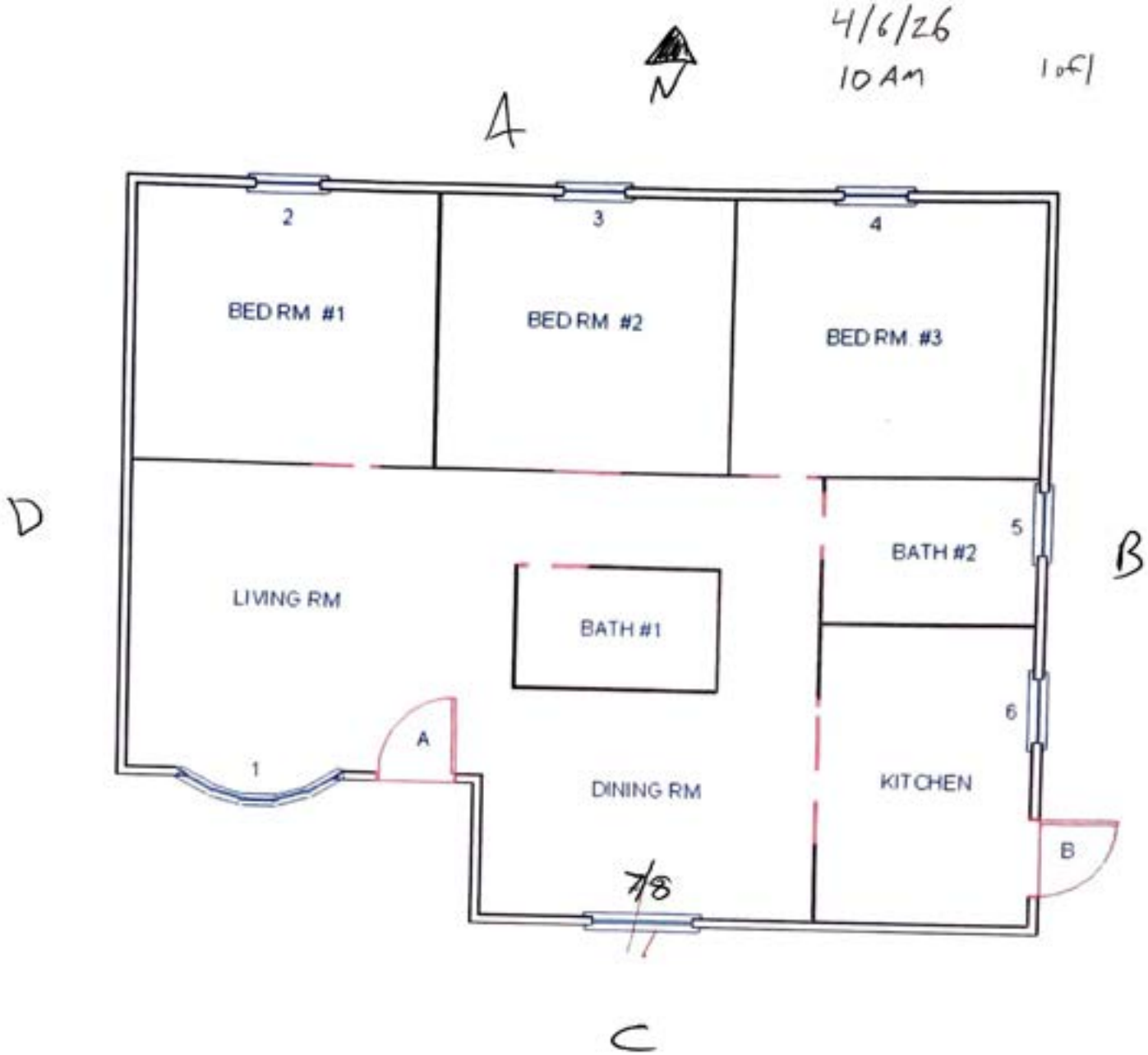
XRF Serial #: 02539 XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Kaputa

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Ext. C	C. Door A	Vinyl	Brown	Intact	Ø	0.00	N/A	Negative
		C window Frame	Vinyl	White	↓	↓	0.00	↓	↓
		↓ ↓	↓	↓	↓	↓	0.00	↓	↓
	Post Calibration	—	—	—	—	—	1.02, 1.00, 1.01	—	Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

4/6/26
10 AM

1 of 1



Chavez

48 - 339 Crescent Dr

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **384 Crescent Drive**

Phase: **4**

PPN: **55**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.
[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.
[ ] Provide sealant around interior and exterior perimeter of all windows and doors.
[ ] Provide new exterior brake metal at all window replacement locations.
[ ] Replace existing doors with new prime doors and storm doors as scheduled.
[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".
[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.
[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.
[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.
[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.
[ ] Basement floor is finished with tile
[ ] Basement walls are finished with GWB.
[ ] Basement ceiling is finished with GWB.

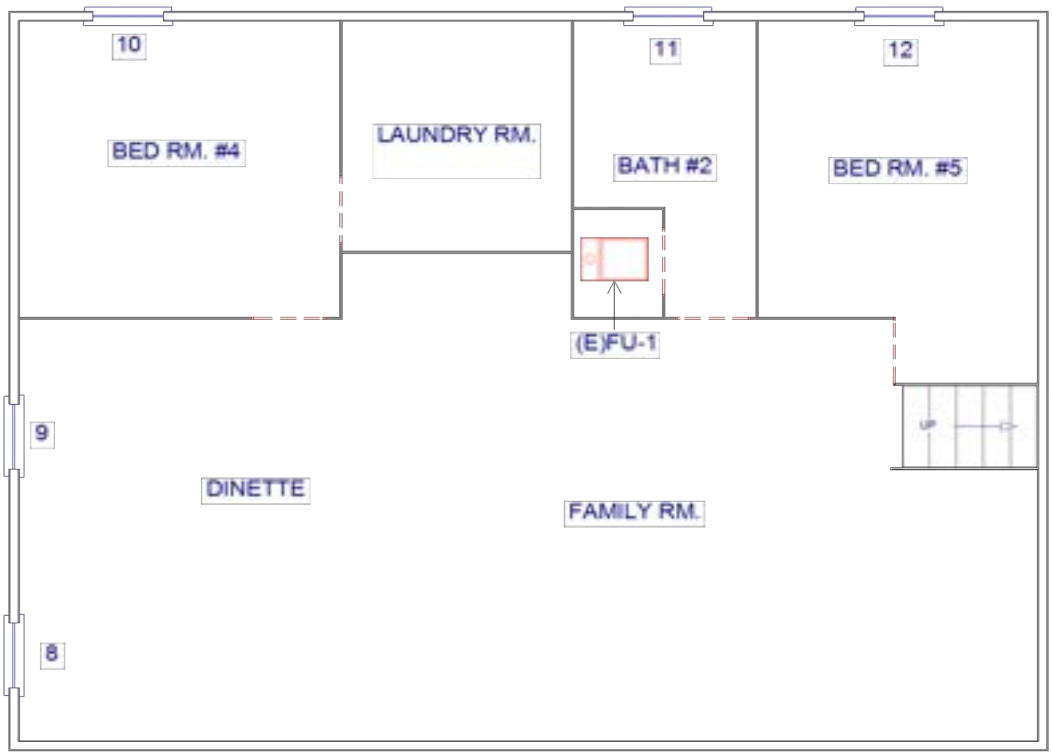
PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM			
		Phase:	**4**
		PPN:	**55**
Address:	**384 Crescent Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



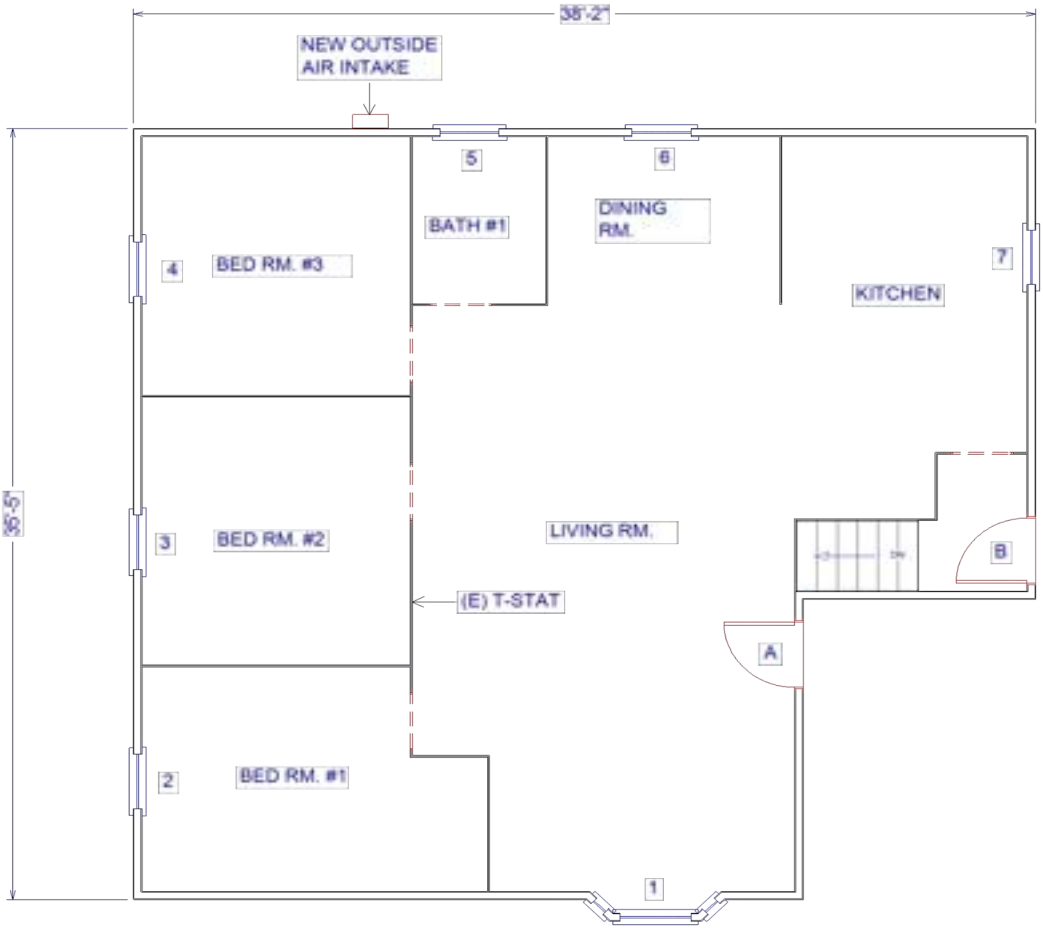
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**55**
Address:	**384 Crescent Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **55**
Address: **384 Crescent Drive**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	87	57	BAY	BAY		WD	VL		2.1	TEMPERED GLASS. 1-2-1 CONFIGURATION. CS-FX-CS. 16"
2	70	33	CS-FX-CS	CS-FX-CS		WD	VL		2.1	1-1-1 CONFIGURATION.
3	72	33	CS-FX-CS	CS-FX-CS		WD	VL		2.1	1-1-1 CONFIGURATION.
4	70	33	CS-FX-CS	CS-FX-CS		WD	VL		2.1	1-1-1 CONFIGURATION.
5	33	33	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS. TILE RETURNS.
6	71	57	CS-FX-CS	CS-FX-CS		WD	VL		2.1	1-1-1 CONFIGURATION.
7	33	33	DH	DH		VL	VL		2.1	
8	31	17	SL	SL		VL	VL		2.1	
9	31	17	SL	SL		VL	VL		2.1	
10	31	17	SL	SL		VL	VL		2.1	
11	31	17	SL	SL		VL	VL		2.1	TEMPERED GLASS.
12	31	17	SL	SL		VL	VL		2.1	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **55**

Address: **384 Crescent Drive**

Revised:

Town: **Wheeling**

C&S COMPANIES®

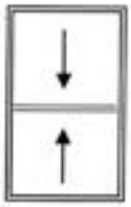
QuieterHome® Program

Window Elevations

PPN# 55

QUIETERHOME PROGRAM

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

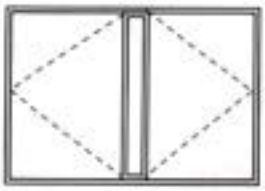
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Location

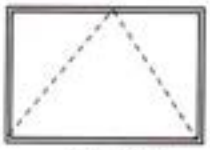
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

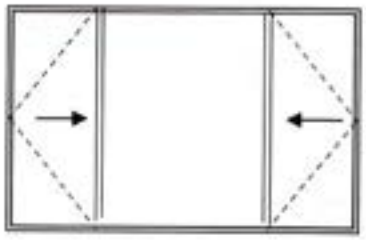
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other _____

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration: _____

Location

Grille Styles



all

NO GRILL | COLONIAL | COLONIAL TOP SASH ONLY | DIAMOND | DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ **All windows to be replaced in kind**

☐ **Exceptions noted in field indicated above**

PHASE 4
BRITO
384 CRESCENT DR

PPN 55

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL. REMOVE AND REINSTALL EXISTING ELECTRONIC LOCK.
B	32	81	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL. REMOVE AND REINSTALL EXISTING ELECTRONIC LOCK.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**	PPN: **55**
Address: **384 Crescent Drive**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 55

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☒ Fiberglass
- ☐ Steel
- ☐ Wood
- ☒ Peep Hole

Door B

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☐ Fiberglass
- ☒ Wood

Door A

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 55
BRITO
384 CRESCENT DR

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/24

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

PPN# 55

S1



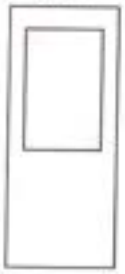
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S2



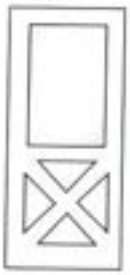
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S3



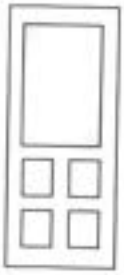
Location

S4



Location

S5



Location

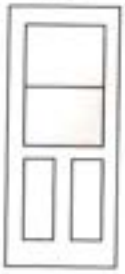
S6



Doors A, B

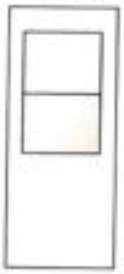
Location

S7



Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 55
BRITO
384 CRESCENT DR

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/21

JMS
Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27286

RE: Limited Asbestos & Lead Inspections
55 Brito
384 Crescent Drive
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 384 Crescent Drive, Wheeling, Illinois 60090.

The findings of the attached reports showed eight (8) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Seventy-eight (78) shots were taken for lead and one location detected lead. (A-Wall)

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#55 Brito
384 Crescent Drive
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 9 2026

April 9 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27286

RE: Limited Asbestos Inspection
#55 Brito
384 Crescent Drive
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 384 Crescent Drive, Wheeling, Illinois 60090. Eight (8) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. No samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

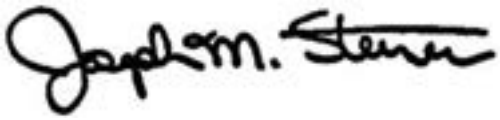
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447

Reviewed by,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

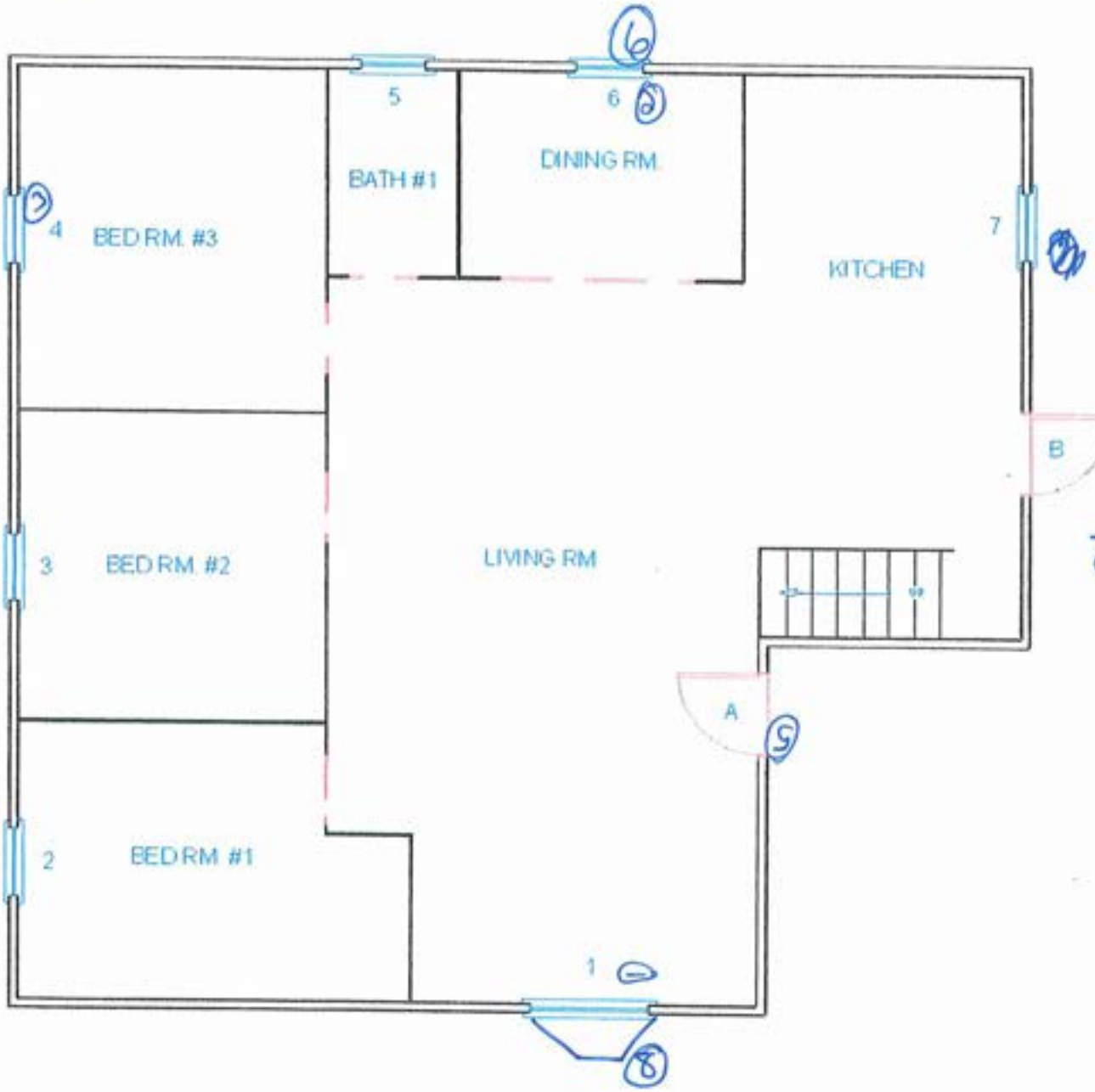


Joseph M. Sterner
Environmental Director/ President

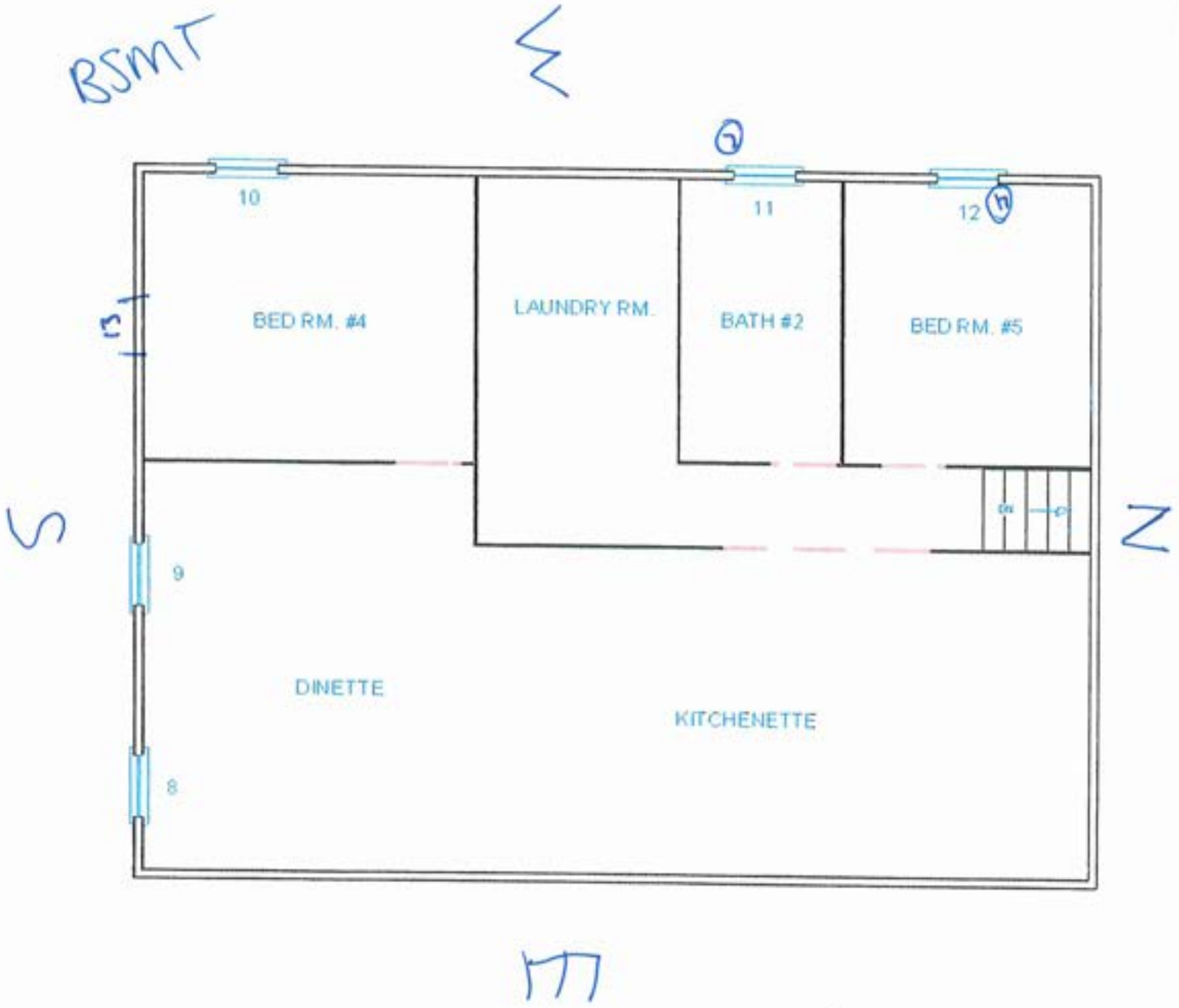
Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27286-04-0901	Varnish Living Room Window 7 Windows	Good	No	High	None Detected
27286-04-0902	Stain Dinning Room Window 7 Windows	Good	No	High	None Detected
27286-04-0903	Stain Bedroom 3 Windows 7 Windows	Good	No	High	None Detected
27286-04-0904	White Paint Basement Window 5 Windows	Good	No	High	None Detected
27286-04-0905	Door Exterior Caulk 2 Doors	Good	No	High	None Detected
27286-04-0906	Main Level Window Brown Caulk 4 Windows	Good	No	High	None Detected
27286-04-0907	Basement Window Cream Caulk 5 Windows	Good	No	High	None Detected
27286-04-0908	Bay Window Grey Caulk 1 Window	Good	No	High	None Detected

384 Crescent Dr



Brito


BSMT
E
10
11
12
BED RM. #4
LAUNDRY RM.
BATH #2
BED RM. #5
S
N
9
DINETTE
KITCHENETTE
8

Brito

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 11, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27286
JMS Batch: 38420

Re: Bulk Asbestos Analyses of sample(s) received 4/9/2026.
#55 Brito 384 Crescent Dr. - #55

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 µm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #55 Brito 384 Crescent Dr.
Client Project Ref: - #55

Project Number: J-27286
Work Order: 38315
Batch Number: 38420

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392744	--	27286-04-0901	Homogeneous Tan Paint	---NON-FIBROUS---					
392745	--	27286-04-0902	Homogeneous Tan Sheeting	--	--	--	<1	--	--
392746	--	27286-04-0903	Homogeneous Tan Paint	--	--	--	<1	<1	--
392747	--	27286-04-0904	Heterogeneous White, Tan Paint	--	--	--	80	--	--
392748	--	27286-04-0905	Heterogeneous Tan, Black Caulking	---NON-FIBROUS---					

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 11, 2026

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #55 Brito 384 Crescent Dr.
Client Project Ref: - #55

Project Number: J-27286
Work Order: 38315
Batch Number: 38420

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392749	--	27286-04-0906	Heterogeneous Tan, Black Caulking	--	--	--	<1	--	--
392750	--	27286-04-0907	Homogeneous Grey Caulking	---NON-FIBROUS---					
392751	--	27286-04-0908	Heterogeneous Grey, Brown Caulking	--	--	--	<1	--	<1/CaSil.

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 11, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27286

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #55 384 Crescent Dr
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	ANALYSIS REQUESTED PLM						Comments on Sample
27286-04-01	4/9/26	8:45	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27286-04-02			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-03			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-04			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-05			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27286-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:	[signature]	Date:	4/9/26	Time:	8:45
Relinquished By:	[signature]	Date:	4/9/26	Time:	3:40
Received By:	[signature]	Date:	4/9/26	Time:	350
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

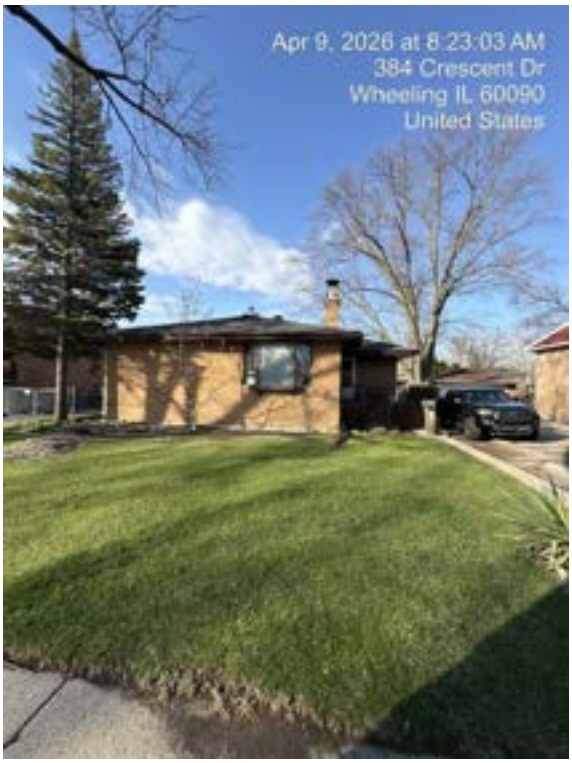
Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE


Apr 9, 2026 at 8:23:03 AM
384 Crescent Dr
Wheeling IL 60090
United States

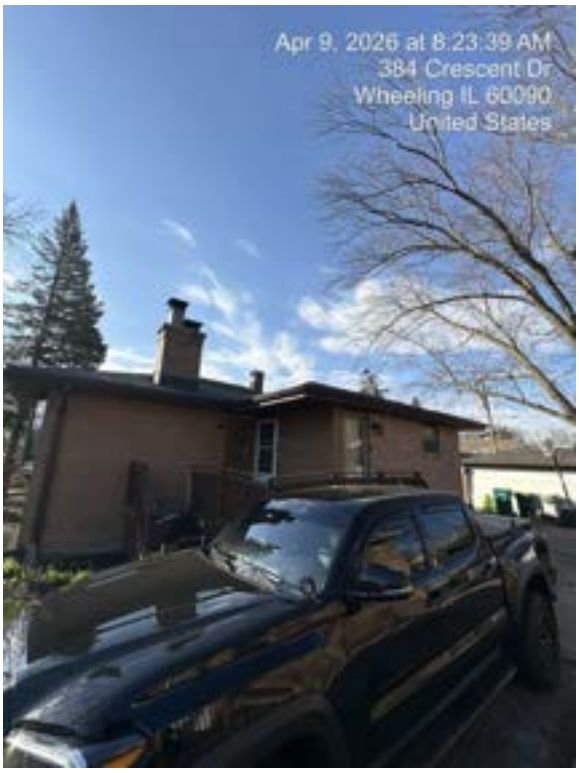

Apr 9, 2026 at 8:03:37 AM


Apr 9, 2026 at 8:13:25 AM
384 Crescent Dr
Wheeling IL 60090
United States

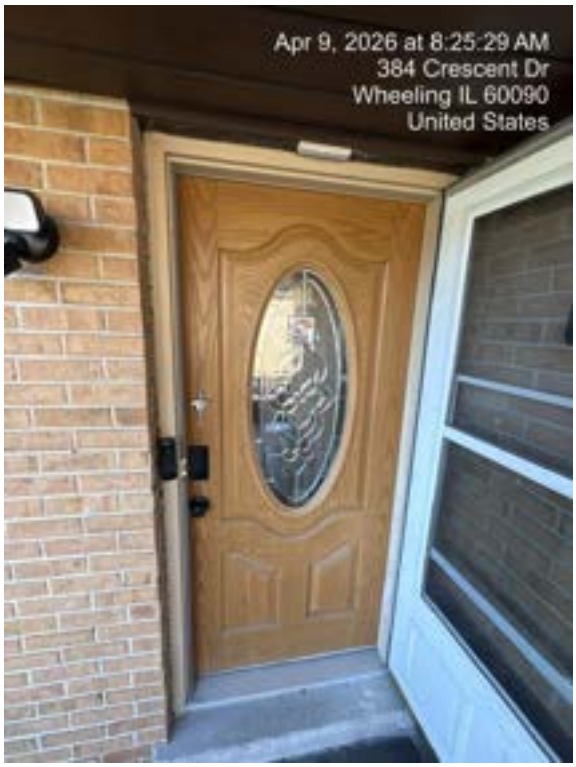

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384 Crescent Dr
Wheeling IL 60090
United States

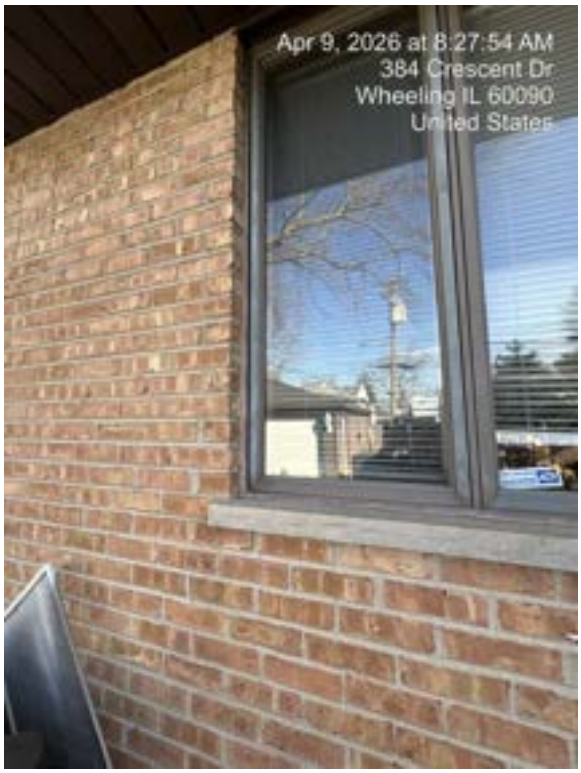

Apr 9, 2026 at 8:19:48 AM
384 Crescent Dr
Wheeling IL 60090
United States

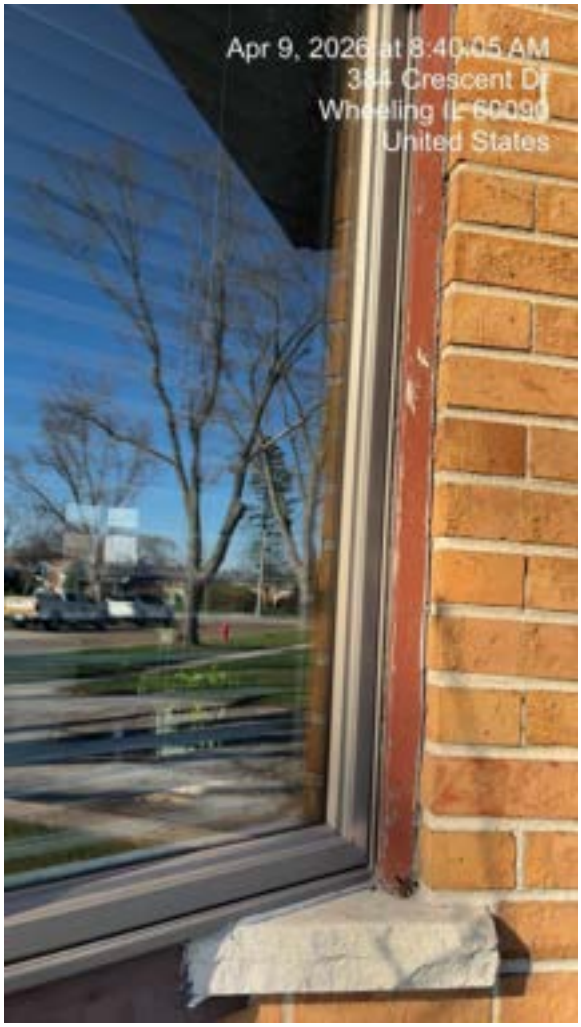



Apr 9, 2025 at 8:23:39 AM
384 Crescent Dr
Wheeling IL 60090
United States


384 Crescent Dr


Apr 9, 2026 at 8:25:29 AM
384 Crescent Dr
Wheeling IL 60090
United States


Apr 9, 2026 at 8:27:54 AM
384 Crescent Dr
Wheeling IL 60090
United States


Apr 9, 2026 at 8:40:05 AM
384 Crescent Dr
Wheeling IL 60090
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

55-384 Crescent Drive
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 9, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family home consisting of two floors with 5 bedrooms with a total of 13 windows and 3 doors. Each individual room was made up of gypsum (drywall) walls and ceilings. The windows and doors scheduled for replacement were made up of vinyl components with wooden frames in the interior and vinyl and metal on the exterior, where present. The exterior walls are primarily unpainted brick.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.02
					OK	0.98
					OK	1.01
55-384 Crescent Drive						
Living Room	A-Door A Frame	Wood	White	Intact	0.00	Negative
Living Room	A-Door A Jamb	Wood	Brown	Intact	0.00	Negative
Living Room	A-Door A	Wood	Varnish	Intact	0.00	Negative
Living Room	A-Wall	Drywall	Red	Intact	0.26	Negative
Living Room	B-Window 1 Frame	Wood	White	Intact	0.00	Negative
Living Room	B-Window 1 Sill	Wood	Varnish	Intact	0.00	Negative
Living Room	B-Window 1	Drywall	Beige	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Living Room	B-Wall	Drywall	Beige	Intact	0.06	Negative
Bedroom 1	C-Window 2 Frame	Wood	White	Intact	0.00	Negative
Bedroom 1	C-Window 2 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 1	C-Window 2	Wood	Varnish	Intact	0.00	Negative
Bedroom 1	C-Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 2	C-Window 3 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	C-Window 3 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 2	C-Window 3	Wood	Varnish	Intact	0.00	Negative
Bedroom 2	C-Wall	Drywall	Gray	Intact	0.00	Negative
Bedroom 3	C-Window 4 Frame	Wood	White	Intact	0.00	Negative
Bedroom 3	C-Window 4 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	C-Window 4	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	C-Wall	Drywall	Lt. Blue	Intact	0.00	Negative
Bathroom 1	D-Window 5 Sill	Ceramic	Tan	Intact	0.03	Negative
Bathroom 1	D-Window 5	Vinyl	Tan	Intact	0.00	Negative
Bathroom 1	D-Wall	Ceramic	Tan	Intact	0.00	Negative
Dining Room	D-Window 6 Frame	Wood	White	Intact	0.00	Negative
Dining Room	D-Window 6 Sill	Wood	Varnish	Intact	0.00	Negative
Dining Room	D-Window 6	Wood	Varnish	Intact	0.00	Negative
Dining Room	D-Wall	Drywall	Gray	Intact	0.06	Negative
Kitchen	A-Window 7 Frame	Wood	Varnish	Intact	0.00	Negative
Kitchen	A-Window 7 Sill	Wood	Varnish	Intact	0.00	Negative
Kitchen	A-Window 7	Vinyl	White	Intact	0.00	Negative
Kitchen	**A-Wall**	**Ceramic**	**Gray**	**Intact**	**1.54**	**Positive**
Kitchen	A-Wall	Drywall	Tan	Intact	0.00	Negative
Stairwell	A-Door B Frame	Wood	White	Intact	0.00	Negative
Stairwell	A-Door B Jamb	Wood	White	Intact	0.00	Negative
Stairwell	A-Door B	Wood	White	Intact	0.00	Negative
Exterior A	A-Door B	Wood	Tan	Intact	0.00	Negative
Stairwell	A-Wall	Drywall	Tan	Intact	0.00	Negative
Basement Dinette	C-Window 8 Frame	Vinyl	White	Intact	0.00	Negative
Basement Dinette	C-Window 8 Sill	Wood	Varnish	Intact	0.00	Negative
Basement Dinette	C-Window 8	Vinyl	White	Intact	0.00	Negative
Basement Dinette	C-Wall	Drywall	White	Intact	0.00	Negative
Basement Dinette	C-Window 9 Frame	Vinyl	White	Intact	0.00	Negative
Basement Dinette	C-Window 9 Sill	Wood	Varnish	Intact	0.00	Negative
Basement Dinette	C-Window 9	Vinyl	White	Intact	0.00	Negative
Basement Dinette	C-Wall	Drywall	White	Intact	0.00	Negative
Bedroom 4	C-Door C	Wood	White	Intact	0.00	Negative
Bedroom 4	C-Wall	Drywall	White	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Bedroom 4	D-Window 10 Sill	Drywall	Blue	Intact	0.00	Negative
Bedroom 4	D-Window 10	Vinyl	White	Intact	0.00	Negative
Bedroom 4	D-Wall	Drywall	Blue	Intact	0.00	Negative
Bathroom 2	D-Window 11 Frame	Wood	White	Intact	0.00	Negative
Bathroom 2	D-Window 11 Sill	Wood	White	Intact	0.00	Negative
Bathroom 2	D-Window 11	Vinyl	Tan	Intact	0.00	Negative
Bathroom 2	D-Wall	Ceramic	Tan	Intact	0.00	Negative
Bedroom 5	D-Window 12 Frame	Wood	White	Intact	0.00	Negative
Bedroom 5	D-Window 12 Sill	Wood	White	Intact	0.00	Negative
Bedroom 5	D-Window 12	Vinyl	White	Intact	0.00	Negative
Bedroom 5	D-Wall	Drywall	Gray	Intact	0.00	Negative
Exterior A	A-Door B Trim	Metal	Brown	Intact	0.00	Negative
Exterior A	A-Door B Frame	Wood	Brown	Intact	0.00	Negative
Exterior A	A-Door B	Wood	Brown	Intact	0.10	Negative
Exterior D	Window 6 Frame	Vinyl	Brown	Intact	0.00	Negative
Exterior D	Window 6	Vinyl	Brown	Intact	0.00	Negative
Exterior D	Window 10	Vinyl	Tan	Intact	0.00	Negative
Exterior D	Window 10 Sill	Concrete	Red	Intact	0.09	Negative
Exterior D	Window 11	Vinyl	Tan	Intact	0.00	Negative
Exterior D	Window 11 Sill	Concrete	Red	Intact	0.09	Negative
Exterior D	Window 12	Vinyl	Tan	Intact	0.00	Negative
Exterior D	Window 12 Sill	Concrete	Red	Intact	0.09	Negative
Exterior C	Window 8	Vinyl	Tan	Intact	0.00	Negative
Exterior C	Window 8 Sill	Concrete	Red	Intact	0.09	Negative
Exterior C	Window 9	Vinyl	Tan	Intact	0.00	Negative
Exterior C	Window 9 Sill	Concrete	Red	Intact	0.09	Negative
Exterior C	Window 13	Vinyl	Tan	Intact	0.00	Negative
Exterior C	Window 13 Sill	Concrete	Red	Intact	0.09	Negative
Exterior B	Window 1 Frame	Wood	Brown	Intact	0.06	Negative
Exterior B	Window 1 Frame	Wood	Red	Intact	0.13	Negative
Exterior B	Window 1	Vinyl	White	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings






















Happy
Mother's















Lead Based Paint Data Sheet

Building/Address: 55-384 Crescent Inspection Date: 4/9/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Calibration						1.02, 0.98, 1.01		Acceptable
	Living Room	A-Door A-Frame	Wood	White	Intact	9	0.00	N/A	Negative
	↓	A Jamb	↓	Brown	↓	↓	0.00	↓	↓
	↓	A	↓	Varnish	↓	↓	0.00	↓	↓
	↓	A-Wall	Drywall	Red	↓	↓	0.26	↓	↓
	↓	B-Window Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	1 Sill	↓	Varnish	↓	↓	0.00	↓	↓
	↓	1	↓	↓	↓	↓	0.00	↓	↓
	↓	B-Wall	Drywall	Beige	↓	↓	0.06	↓	↓
	Bedroom #1	C-Window 2 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	2 Sill	↓	Varnish	↓	↓	0.00	↓	↓
	↓	2	↓	↓	↓	↓	0.00	↓	↓
	↓	C-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Bedroom #2	C-Window 3 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	3 Sill	↓	Varnish	↓	↓	0.00	↓	↓
	↓	3	↓	↓	↓	↓	0.00	↓	↓
	↓	C-Wall	Drywall	Gray	↓	↓	0.00	↓	↓
	Bedroom #3	C-Window 4 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	4 Sill	↓	Varnish	↓	↓	0.00	↓	↓
	↓	4	↓	↓	↓	↓	0.00	↓	↓
	↓	C-Wall	Drywall	Lt Blue	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 55-384 Crescent Inspection Date: 4/9/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bath #1	D-Window 5 Sill	Ceramic	Tan	Intact	∅	0.03	N/A	Negative
	↓	↓ 5	~~Vinyl~~	Tan	↓	↓	0.00	↓	↓
	↓	D Wall	ceramic	Tan	↓	↓	0.00	↓	↓
	Dining Rm	D-Window 6 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	↓ 6 Sill	↓	Varnish	↓	↓	0.00	↓	↓
	↓	↓ 6	↓	↓	↓	↓	0.00	↓	↓
	↓	D-Wall	Drywall	Gray	↓	↓	0.06	↓	↓
	Kitchen	A-Window 7 Frame	Wood	Varnish	↓	↓	0.00	↓	↓
	↓	↓ 7 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	↓ 7	Vinyl	White	↓	↓	0.00	↓	↓
	↓	A-Wall	Ceramic	Gray	↓	↓	1.54	↓	Positive
	↓	A-Wall	Drywall	Tan	↓	↓	0.00	↓	Negative
	Stairwell	A-Door B Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	↓ B Jamb	↓	↓	↓	↓	0.00	↓	↓
	↓	↓ B	↓	↓	↓	↓	0.00	↓	↓
	↓	Ext A Door B	Wood	Tan	↓	↓	0.00	↓	↓
	↓	A-Wall	Drywall	↓	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 55. 384 Crescent Inspection Date: 4/9/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Basement Dinette	C- Window 8 Frame	Vinyl	White	Intact	Ø	0.00	N/A	Negative
	↓	↓ 8 Sill	Wood	Varnish	↓	↓	0.00	↓	↓
		↓ 8	Vinyl	White			0.00		
		C-Wall	Drywall	White			0.00		
		C-Window 9 Frame	Vinyl	White			0.00		
		↓ 9 Sill	Wood	Varnish			0.00		
		↓ 9	Vinyl	White			0.00		
	↓	C-Wall	Drywall	↓			0.00		
	Bedroom 4	C-Door-C	Wood	White			0.00		
	↓	C wall	Drywall	Blue			0.00		
		D-Window 10 Sill	↓	Blue			0.00		
		↓ 10	Vinyl	White			0.00		
	↓	D-Wall	Drywall	Blue			0.00		
	Bath #2	D-Window 11 Frame	Wood	White			0.00		
	↓	↓ 11 Sill	↓	White			0.00		
		↓ 11	Vinyl	Tan			0.00		
	↓	D-Wall	Ceramic	Tan			0.00		
	Bedroom 5	D-Window 12 Frame	Wood	White			0.00		
	↓	↓ 12 Sill	Wood	White			0.00		
		↓ 12	Vinyl	White			0.00		
	↓	D Wall 12	Drywall	Gray	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 55-384 Crescent Inspection Date: 4/9/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior A	Door B Trim	Metal	Brown	Intact	0	0.00	N/A	Negative
	↓	Door A Frame	Wood	Brown	↓	↓	0.00	↓	↓
	↓	↓	Wood	↓	↓	↓	0.10	↓	↓
	Exterior D	Window 6 Frame	Vinyl	Brown	↓	↓	0.00	↓	↓
	↓	6	↓	↓	↓	↓	0.00	↓	↓
	↓	Window 10	Vinyl	Tan	↓	↓	0.00	↓	↓
	↓	10 Sill	Concrete	Red	↓	↓	0.09	↓	↓
	↓	11	Vinyl	Tan	↓	↓	0.00	↓	↓
	↓	11 Sill	Concrete	Red	↓	↓	0.09	↓	↓
	↓	12	Vinyl	Tan	↓	↓	0.00	↓	↓
	↓	12 Sill	Concrete	Red	↓	↓	0.09	↓	↓
	Exterior C	Window 8	Vinyl	Tan	↓	↓	0.00	↓	↓
	↓	8 Sill	Concrete	Red	↓	↓	0.09	↓	↓
	↓	9	Vinyl	Tan	↓	↓	0.00	↓	↓
	↓	9 Sill	Concrete	Red	↓	↓	0.09	↓	↓
	↓	13	Vinyl	Tan	↓	↓	0.00	↓	↓
	↓	13 Sill	Concrete	Red	↓	↓	0.09	↓	↓
	Exterior B	Window 1 Frame	Wood	Brown	↓	↓	0.06	↓	↓
	↓	1 Frame	Wood	Red	↓	↓	0.13	↓	↓
	↓	1	Vinyl	White	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Post Calibration — 1.08, 1.05, 1.01 — Acceptable

D N

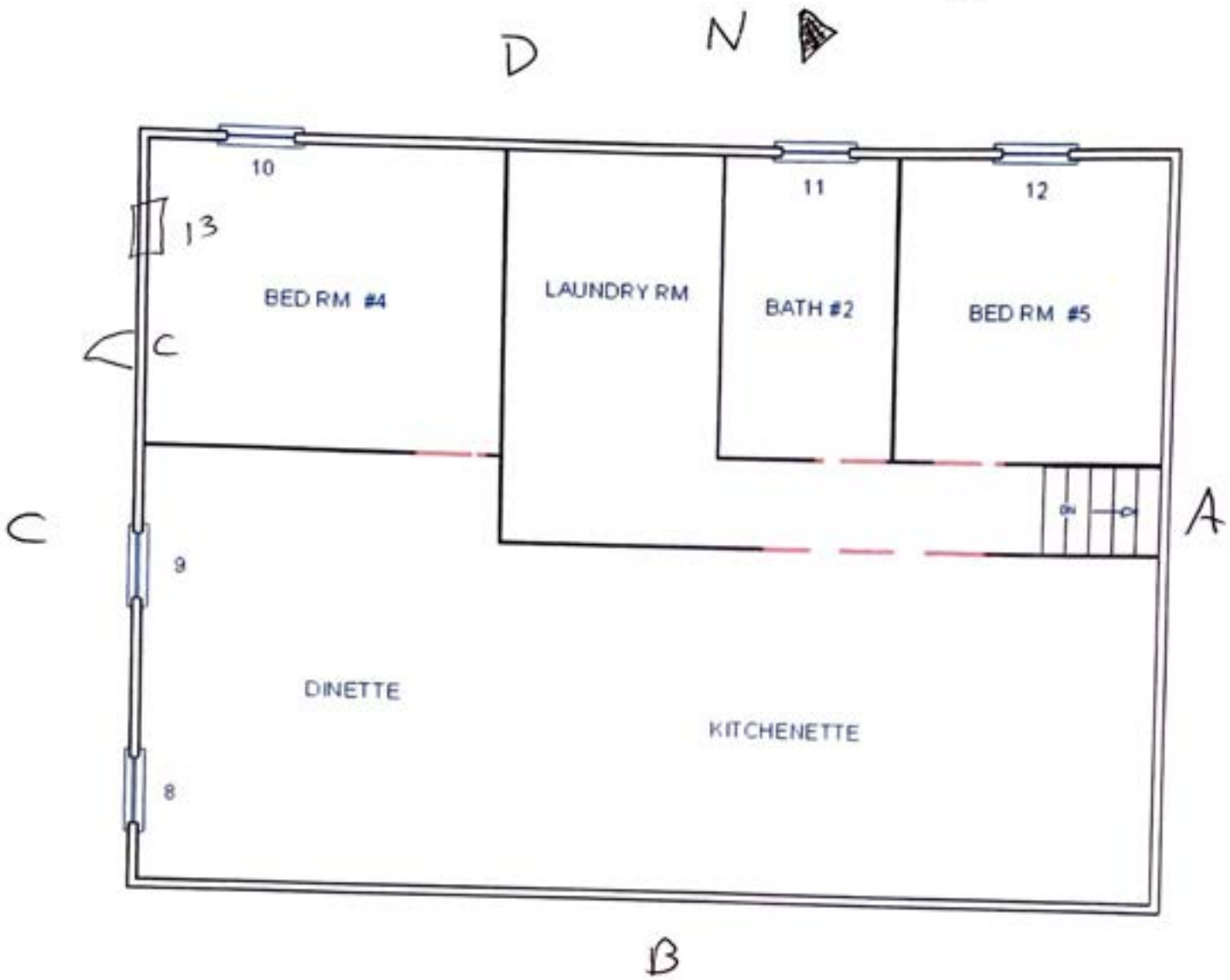
4/9/26
8 AM



B

Brito

55 - 384 Crescent Dr



Brito
55-384 Crescent Dr

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **415 Crescent Drive**

Phase: **4**

PPN: **60**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.
[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.
[ ] Provide sealant around interior and exterior perimeter of all windows and doors.
[ ] Provide new exterior brake metal at all window replacement locations.
[ ] Replace existing doors with new prime doors and storm doors as scheduled.
[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".
[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.
[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.
[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.
[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.
[ ] Basement floor is finished with tile
[ ] Basement walls are finished with GWB.
[ ] Basement ceiling is finished with a drop ceiling.

PHOTO

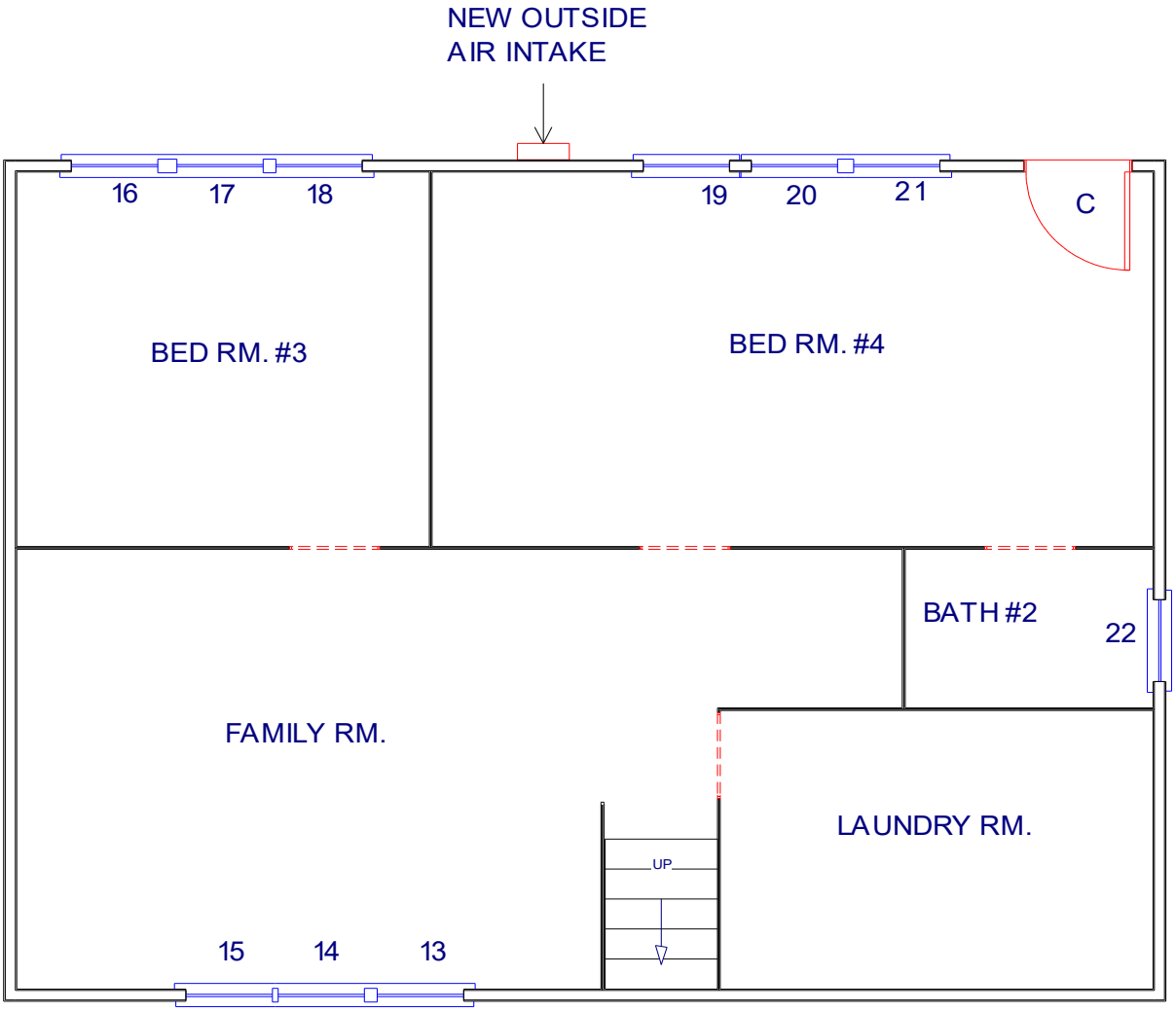


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**60**
Address:	**415 Crescent Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



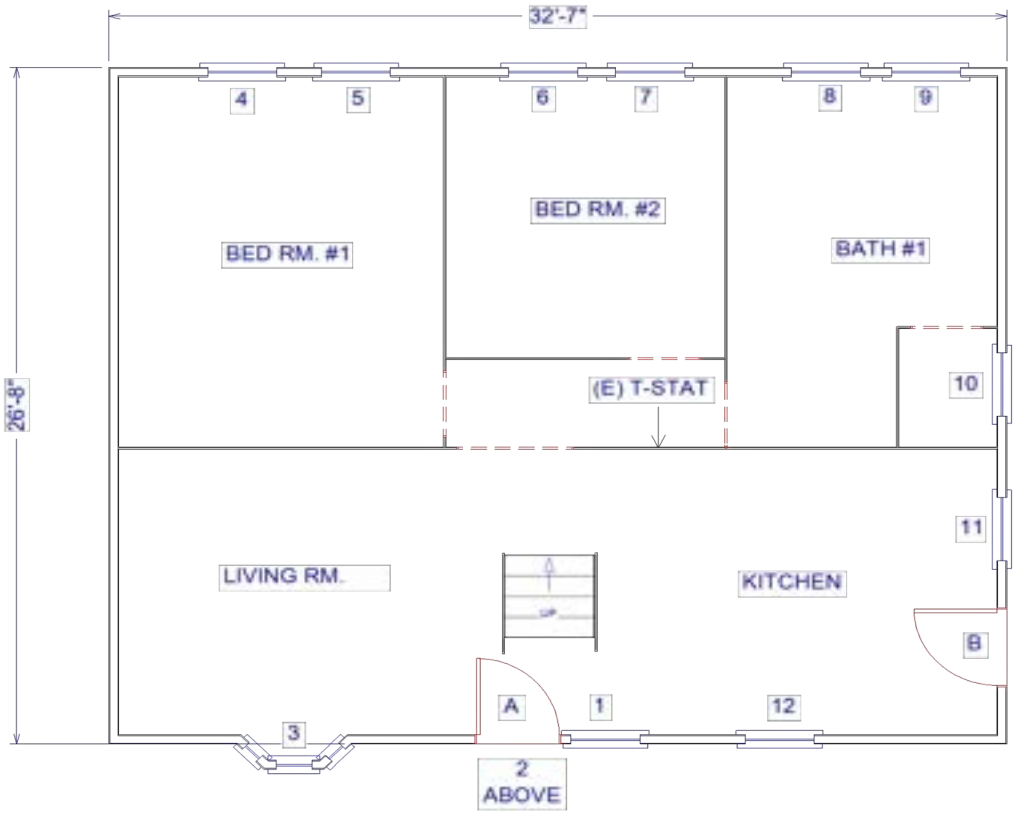
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **60**
Address: **415 Crescent Drive**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase:	**4**
PPN:	**60**
Address: **415 Crescent Drive**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	26	66	FX	FX		WD	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
2	67	39	FX	FX		WD	VL		2.1	ABOVE DOOR A.OPAQUE GLASS.
3	92	56	BAY	BAY		VL	VL		9.0	1-2-1 CONFIGURATION. DH-DH-DH. 16" PROJECTION.
4	34	33	DH	DH		VL	VL		2.1	
5	34	33	DH	DH		VL	VL		2.1	
6	34	33	DH	DH		VL	VL		2.1	
7	34	33	DH	DH		VL	VL		2.1	
8	34	33	DH	DH		VL	VL		2.1	TEMPERED GLASS.
9	34	33	DH	DH		VL	VL		2.1	TEMPERED GLASS.
10	33	33	DH	DH		VL	VL		2.1	TEMPERED GLASS.
11	45	33	DH	DH		VL	VL		2.1	
12	32	33	DH	DH		VL	VL		2.1	
13	28	34	DH	DH		VL	VL		2.1	
14	36	34	FX	FX		VL	VL		2.1	
15	28	34	DH	DH		VL	VL		2.1	
16	28	34	DH	DH		VL	VL		2.1	
17	36	34	FX	FX		VL	VL		2.1	
18	28	34	DH	DH		VL	VL		2.1	
19	28	34	DH	DH		VL	VL		2.1	
20	36	34	DH	DH		VL	VL		2.1	
21	38	34	DH	DH		VL	VL		2.1	TEMPERED GLASS.
22	33	34	DH	DH		VL	VL		2.1	TEMPERED GLASS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **60**

Address: **415 Crescent Drive**

Revised:

Town: **Wheeling**

C&S COMPANIES®

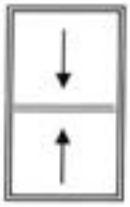
QuieterHome® Program

PPN# 60

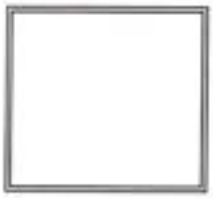
QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

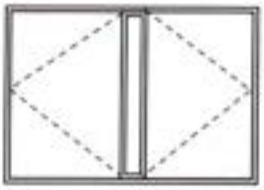
Location

Location

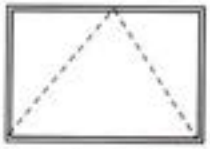
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

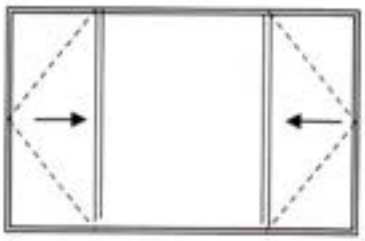
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

☐ Bay
☐ Bow
☐ Other _____

Location



☐ SL – FX – SL
☐ CS – FX – CS

Configuration:

Location

Grille Styles



all

NO GRILL



COLONIAL



COLONIAL
TOP SASH ONLY



DIAMOND



DIAMOND
TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind
☐ Exceptions noted in field indicated above

PHASE 4 PPN 60
PATEL
415 CRESCENT DR

Homeowner

4/30/26
Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	ORNAMENTAL	20	CONCRETE AT SILL. REINTALL EXISTING LOCKSET.
B	31	79	YES	YES	YES	NO	NO	STANDARD	20	DECK AT SILL. REINSTALL EXISTING LOCKSET.
C	33	76	YES	YES	YES	NO	NO	STANDARD	20	CONCRETE AT SILL.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**	PPN: **60**
Address: **415 Crescent Drive**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 60

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood
- ☒ Peep Hole

Door A

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood
- ☒ Peep Hole

Door C

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood

Door B

Location

P7



- ☐ Fiberglass
- ☐ Wood

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Door B

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 60
PATEL
415 CRESCENT DR

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner

4/30/26
Date

Rev. 02/24

QUIETERHOME PROGRAM

PPN# 60

Exterior Storm Door Style Selections

S1



Door A

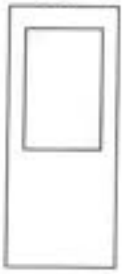
Location

S2



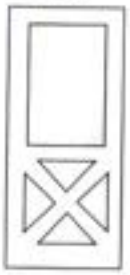
Location

S3



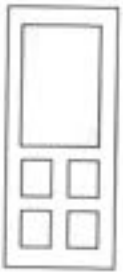
Location

S4



Location

S5



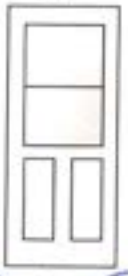
Location

S6



Location

S7



Door B

Location

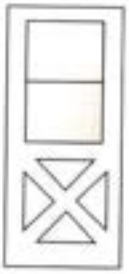
S8



Door C.

Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 60
PATEL
415 CRESCENT DR

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

[signature] 4/30/26

Homeowner Date

Rev. 02/21

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27284

RE: Limited Asbestos & Lead Inspections
60
415 Crescent Dr.
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 393 Meadowbrook, Wheeling, Illinois 60090.

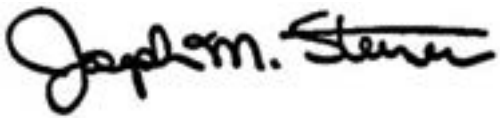
The findings of the attached reports showed Six (6) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

One Hundred (100) shots were taken for lead and one location detected lead.(D-Door A Sidelight)

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#60 Patel
415 Crescent Drive
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 6, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27284

RE: Limited Asbestos Inspection
#60 Patel
415 Crescent Drive
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 415 Crescent Drive Wheeling, Illinois 60090. Six (6) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. No samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

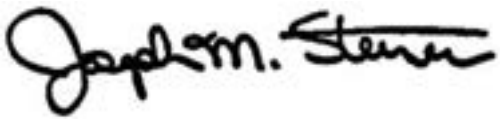
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph R. Sterner
Inspector
IDPH # 100-19790

Reviewed by,

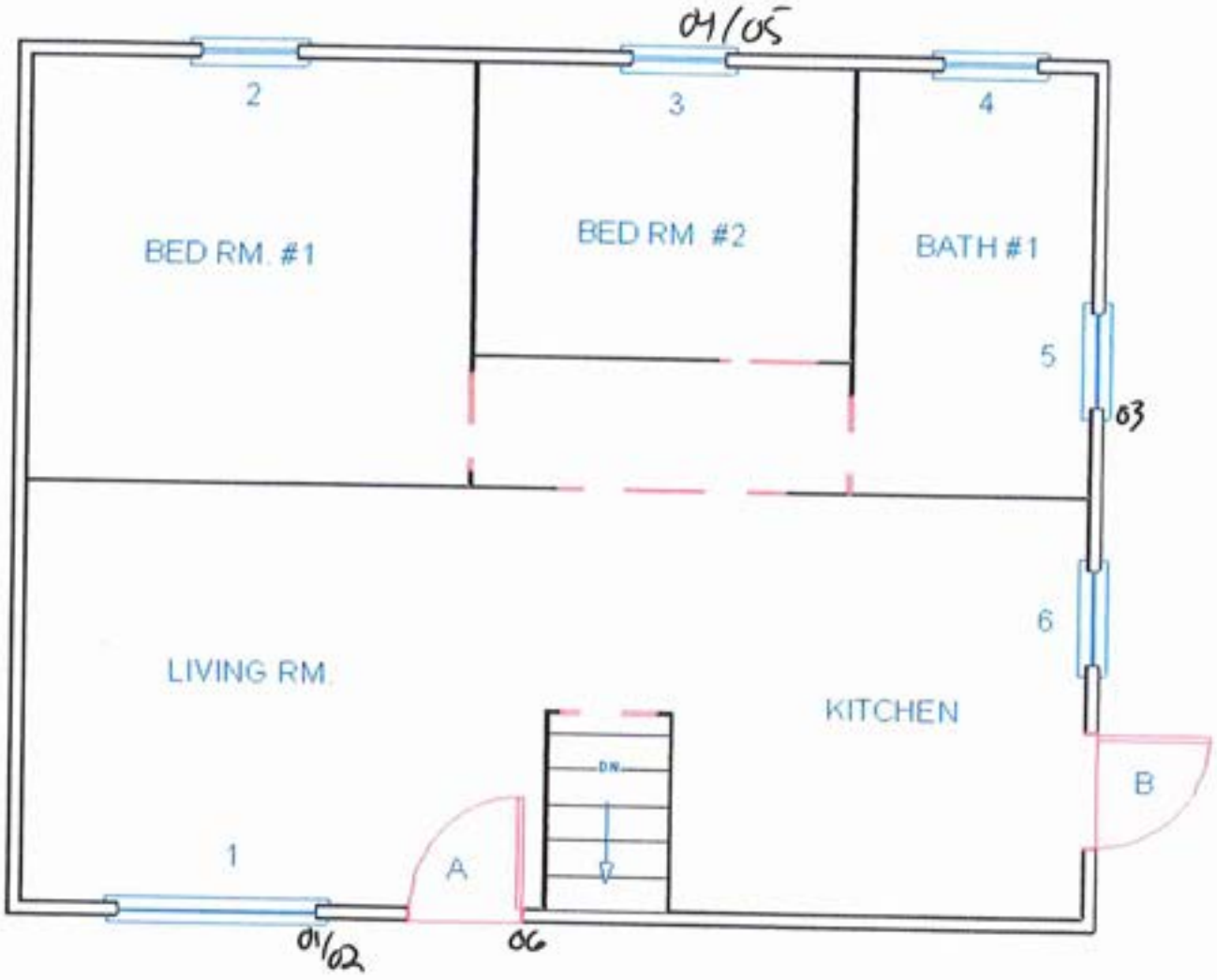
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27281-04-0601	White Caulk, West High Window	Good	No	High	None Detected
27281-04-0602	Window Caulk Low, West High Window	Good	No	High	None Detected
27281-04-0603	Window Caulk, South Window	Good	No	High	None Detected
27281-04-0604	Window Caulk, East High	Good	No	High	None Detected
27281-04-0605	Window Caulk, East Low	Good	No	High	None Detected
27281-04-0606	Brown Painted Caulk, West Front Door Frame	Good	No	High	None Detected


04/05
2
3
4
BED RM. #1
BED RM. #2
BATH #1
5
03
6
LIVING RM.
KITCHEN
DN.
B
1
A
01/02
06

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 07, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27284
JMS Batch: 38399

Re: Bulk Asbestos Analyses of sample(s) received 4/6/2026.
#60 Patel 415 Crescent Dr. - #60

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #60 Patel 415 Crescent Dr.
Client Project Ref: - #60

Project Number: J-27284
Work Order: 38294
Batch Number: 38399

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392606	--	27284-04-0601	Heterogeneous White Caulking	---NON-FIBROUS---					
392607	--	27284-04-0602	Homogeneous White Caulking	--	--	--	--	<1	--
392608	--	27284-04-0603	Homogeneous White Caulking	---NON-FIBROUS---					
392609	--	27284-04-0604	Homogeneous White Caulking	---NON-FIBROUS---					
392610	--	27284-04-0605	Homogeneous White Caulking	---NON-FIBROUS---					

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 07, 2026

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #60 Patel 415 Crescent Dr.
Client Project Ref: - #60

Project Number: J-27284
Work Order: 38294
Batch Number: 38399

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392611	--	27284-04-0606	Heterogeneous Tan, White Caulking	--	--	--	<1	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 07, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27284

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #60 415 Crescent Dr
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27284-04-06 01	4/6/26	13:15	☐	☐	4	☐	☒	4	☒	☐	☐	☐	☐	☐	
27284-04-06 02			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27284-04-06 03			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27284-04-06 04			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27284-04-06 05			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27284-04-06 06			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27284-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27284-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27284-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27284-04-06			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:		Date:	4/6/26	Time:	13:15
Relinquished By:		Date:	4/6/26	Time:	1535
Received By:		Date:	4/6/26	Time:	1535
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506

4/8/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 19790

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 19790	4/8/2025	05/15/2026

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	11/8/2025
PROJECT MANAGER	4/29/2025
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Joseph Richard Sterner

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the State of Wisconsin, Department of Health Services under ch. DHS 159, Wis. Admin. Code, The Illinois Department of Public Health and The Indiana Department of Environmental Management, under 326 IAC 18. Training was in accordance with requirements listed under EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Location: 12304 75th Street
Kenosha, WI 53142

Certificate Number: BIRWI2510102014
Course Date: 10/10/2025
Exam Date: 10/10/2025
Expiration Date: 10/10/2026



Tyler Nicholson, Authorized Signer

Issue Date: 10/10/2025

Course Credit Hours: BIR WI 4 Hours

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE



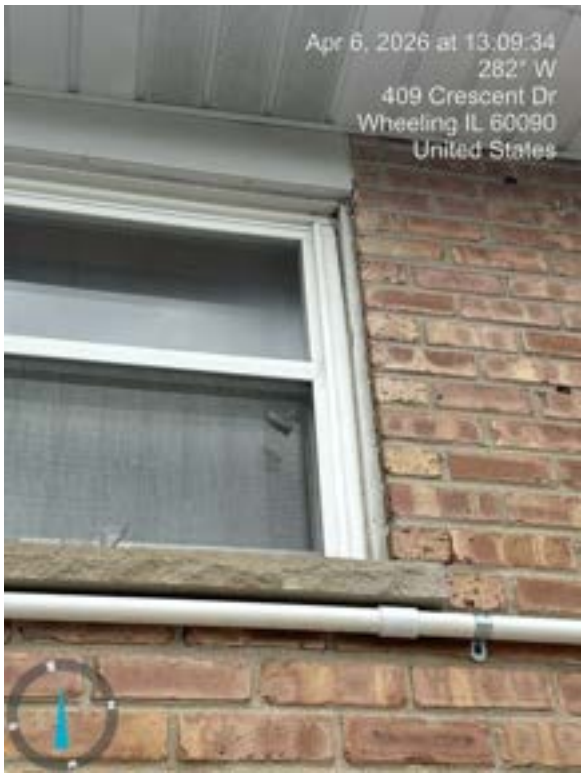

Apr 6, 2026 at 12:57:14
NE
Crescent Dr
Wheeling, IL 60090
United States


Apr 6, 2026 at 12:58:38
295° NW
415 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 13:00:54
99° E
424 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 13:00:58
96° E
424 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 13:04:
30° NE
424 Crescent Dr
Wheeling IL 60090
United States


Apr 6, 2026 at 13:09:34
282° W
409 Crescent Dr
Wheeling IL 60090
United States




424 Crescent Dr


409 Crescent Dr
Wheeling, IL 60090
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

60-415 Crescent Drive
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 6, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family home consisting of two floors with 4 bedrooms with a total of 22 windows and 3 doors. Each individual room was made up of gypsum (drywall) walls and ceilings. The windows and doors scheduled for replacement were made up of vinyl components with wooden frames in the interior and vinyl and metal on the exterior, where present. The exterior walls are primarily unpainted brick.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.03
					OK	0.95
					OK	0.95
60-415 Crescent Drive						
Entry	**D-Door A Sidelight**	**Metal**	**Gray**	**Intact**	**8.23**	**Positive**
Entry	D-Door A Frame	Wood	Brown	Intact	0.00	Negative
Entry	D-Door A Jamb	Wood	Brown	Intact	0.00	Negative
Entry	D-Door A	Wood	Brown	Intact	0.00	Negative
Living Room	A-Window 12 Frame	Wood	Varnish	Intact	0.00	Negative
Living Room	A-Window 12	Vinyl	White	Intact	0.00	Negative
Living Room	A-Window 13 Frame	Wood	Varnish	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Living Room	A-Window 13	Vinyl	White	Intact	0.00	Negative
Living Room	A-Window 14 Frame	Wood	Varnish	Intact	0.00	Negative
Living Room	A-Window 14	Vinyl	White	Intact	0.00	Negative
Living Room	A-Wall	Wood	Blue	Intact	0.00	Negative
Bedroom 3	B-Window 15 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 15	Vinyl	White	Intact	0.00	Negative
Bedroom 3	B-Window 16 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 16	Vinyl	White	Intact	0.00	Negative
Bedroom 3	B-Window 17 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 17	Vinyl	White	Intact	0.00	Negative
Bedroom 4	B-Window 19 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Window 19 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Window 19	Vinyl	White	Intact	0.00	Negative
Bedroom 4	B-Window 20 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Window 20 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Window 20	Vinyl	White	Intact	0.00	Negative
Bedroom 4	B-Window 21 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Window 21 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Window 21	Vinyl	White	Intact	0.00	Negative
Bedroom 4	B-Door C Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Door C Jamb	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Door C	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	B-Wall	Wood	Blue	Intact	0.00	Negative
Bathroom 2	C-Window 22 Frame	Wood	White	Intact	0.00	Negative
Bathroom 2	C-Window 22 Sill	Wood	White	Intact	0.00	Negative
Bathroom 2	C-Window 22	Wood	White	Intact	0.00	Negative
Bathroom 2	C-Wall	Ceramic	White	Intact	0.00	Negative
Living Room	D-Window 3 Frame	Wood	Varnish	Intact	0.00	Negative
Living Room	D-Window 3 Sill	Wood	Varnish	Intact	0.00	Negative
Living Room	D-Window 3	Vinyl	White	Intact	0.00	Negative
Living Room	D-Wall	Wood	Blue	Intact	0.00	Negative
Bedroom 1	B-Window 4 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 1	B-Window 4 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 1	B-Window 4	Vinyl	White	Intact	0.00	Negative
Bedroom 1	B-Window 5 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 1	B-Window 5 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 1	B-Window 5	Vinyl	White	Intact	0.00	Negative
Bedroom 1	B-Wall	Drywall	White	Intact	0.00	Negative
Bedroom 2	B-Window 6 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 2	B-Window 6 Sill	Wood	Varnish	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Bedroom 2	B-Window 6	Vinyl	White	Intact	0.00	Negative
Bedroom 2	B-Window 7 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 2	B-Window 7 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 2	B-Window 7	Vinyl	White	Intact	0.00	Negative
Bedroom 2	B-Wall	Drywall	White	Intact	0.00	Negative
Bathroom 1	B-Window 8 Frame	Wood	Varnish	Intact	0.00	Negative
Bathroom 1	B-Window 8 Sill	Wood	Varnish	Intact	0.00	Negative
Bathroom 1	B-Window 8	Vinyl	White	Intact	0.00	Negative
Bathroom 1	B-Window 9 Frame	Wood	Varnish	Intact	0.00	Negative
Bathroom 1	B-Window 9 Sill	Wood	Varnish	Intact	0.00	Negative
Bathroom 1	B-Window 9	Vinyl	White	Intact	0.00	Negative
Bathroom 1	C-Window 10 Frame	Wood	Varnish	Intact	0.00	Negative
Bathroom 1	C-Window 10 Sill	Wood	Varnish	Intact	0.00	Negative
Bathroom 1	C-Window 10	Vinyl	White	Intact	0.00	Negative
Kitchen	C-Window 11 Frame	Wood	Varnish	Intact	0.00	Negative
Kitchen	C-Window 11 Sill	Wood	Varnish	Intact	0.00	Negative
Kitchen	C-Window 11	Vinyl	White	Intact	0.00	Negative
Kitchen	C-Wall	Drywall	White	Intact	0.00	Negative
Kitchen	C-Door B Frame	Wood	Varnish	Intact	0.00	Negative
Kitchen	C-Door B Jamb	Wood	Varnish	Intact	0.00	Negative
Kitchen	C-Door B	Wood	Varnish	Intact	0.00	Negative
Kitchen	D-Window 12 Frame	Wood	Varnish	Intact	0.00	Negative
Kitchen	D-Window 12 Sill	Wood	Varnish	Intact	0.00	Negative
Kitchen	D-Window 12	Vinyl	White	Intact	0.00	Negative
Bathroom 1	B-Wall	Drywall	Blue	Intact	0.00	Negative
Bathroom 1	C-Wall	Drywall	Blue	Intact	0.00	Negative
Exterior C	C-Door B Frame	Wood	Varnish	Intact	0.00	Negative
Exterior C	C-Window 11 Frame	Vinyl	White	Intact	0.00	Negative
Exterior C	C-Window 22 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 4 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 4	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 5 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 5	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 6 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 6	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 7 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 7	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 8 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 8	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 9 Frame	Vinyl	White	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Exterior B	B-Window 9	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window Sill	Concrete	Tan	Intact	0.00	Negative
Exterior B	B-Window 16 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 16	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 17 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 17	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 18 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 18	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 19 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 19	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 20 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 20	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 21 Frame	Vinyl	White	Intact	0.00	Negative
Exterior B	B-Window 21	Vinyl	White	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that lead-based paint was identified in the referenced components listed in this report.

Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings









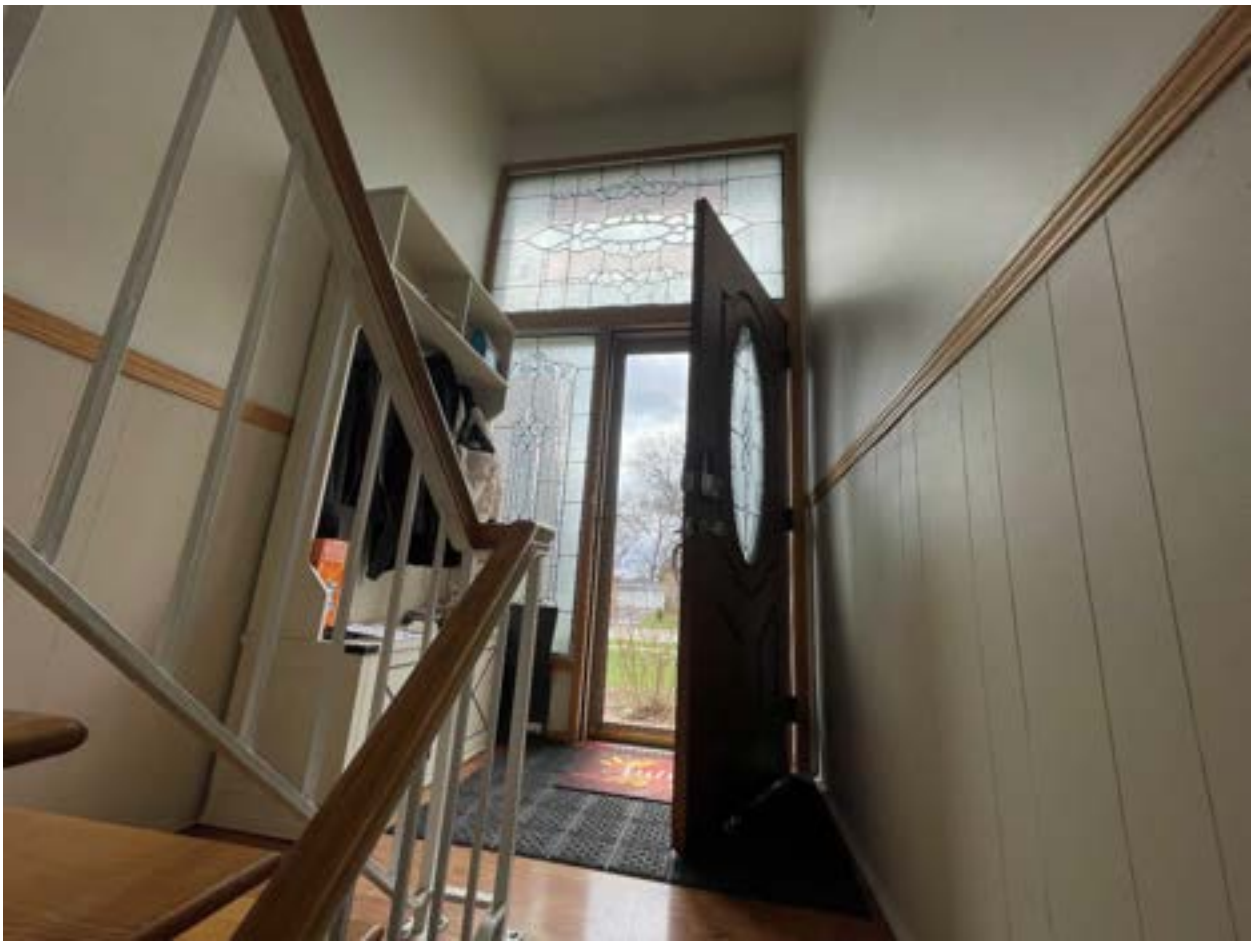


























Lead Based Paint Data Sheet

Building/Address: 60-415 Crescent Dr. Inspection Date: 4/6/2026 XRF File #:

Functional Space: Inspector: Kenneth Kaneka License #: 04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Kaneka

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Calibration						1.03, 0.95, 0.95		Acceptable
	Entry	D- Door A Side Light	Metal	Gray	Intact	0	8.23	N/A	Positive
		A Frame	Wood	Brown			0.00		Negative
		A Jamb					0.00		
		A					0.00		
	Living Rm	A- Window 12 Frame	Wood	Varnish			0.00		
		12	Vinyl	white			0.00		
		13 Frame	Wood	Varnish			0.00		
		13	Varnish	White			0.00		
		14 Frame	Wood	Varnish			0.00		
		14	Varnish	White			0.00		
		A Wall	Wood	Blue			0.00		
	Bedroom 3	B- Window 15 Frame	Wood	Varnish			0.00		
		15	Vinyl	white			0.00		
		16 Frame	Wood	Varnish			0.00		
		16	Varnish	White			0.00		
		17 Frame	Wood	Varnish			0.00		
		17	Varnish	White			0.00		

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 60-415 Crescent Dr Inspection Date: 4/6/2025 XRF File #:

Functional Space: Inspector: Kenneth Hawkins License #: 04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Hawkins

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bedroom 4	B Window 19 Frame	Wood	Varnish	Intact	∅	0.00	N/A	Negative
	↓	19 Sill	Wood	↓	↓	↓	0.00	↓	↓
		19	Vinyl	White			0.00		
		20 Frame	W	Varnish			0.00		
		20 Sill	W	↓			0.00		
		20	V	White			0.00		
		21 Frame	W	Varnish			0.00		
		21 Sill	W	↓			0.00		
		21	V	White			0.00		
		B- Door C Frame	Wood	Varnish			0.00		
		C Jamb	Wood	↓			0.00		
		C	Wood	↓			0.00		
	↓	B-Wall	Wood	Blue			0.00		
	Bathroom #2	C- Window #2 Frame	Wood	White			0.00		
	↓	Sill	Wood	↓			0.00		
		↓	Vinyl	↓			0.00		
	↓	C-Wall	Ceramic	↓	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 60 - 415 Crescent Dr Inspection Date: 4/6/2026 XRF File #:

Functional Space: Inspector: Kenneth Hawks License #: 04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Hawks

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Living Room	D-Window 3 Frame	Wood	Varnish	Intact	∅	0.00	N/A	Negative
		3 Sill	↓	↓			0.00		
		3	Vinyl	White			0.00		
		D-Wall	Wood	Blue			0.00		
	Bedroom #1	B-Window 4 Frame	Wood	Varnish					
		4 Sill	↓	↓					
		4	Vinyl	White					
		5 Frame	Wood	Varnish					
		5 Sill	Wood	↓					
		5	Vinyl	Wood					
		B-Wall	Drywall	White					
	Bedroom #2	B-Window 6 Frame	Wood	Varnish					
		6 Sill	Wood	Varnish					
		6	Vinyl	White					
		7 Frame	Wood	Varnish					
		7 Sill	Wood	Varnish					
		7	Vinyl	White					
		B-Wall	Drywall	White					

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 60- 415 Crescent Dr. Inspection Date: 4/6/2026 XRF File #:

Functional Space: Inspector: Kenneth Kanellis License #: 04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ Sc: Apx Inspector's Signature: Kenneth Kanellis

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bath #1	B-Window 8 Frame	W	Varnish	Intact	0	0.00	N/A	Negative
		8 Sill	W	Varnish					
		8	Vinyl	White					
		9 Frame	W	Varnish					
		9 Sill	W	Varnish					
		9	Vinyl	White					
		C-Window 10 Frame	W	Varnish					
		10 Sill	W	Varnish					
		10	Vinyl	White					
	Kitchen	C-Window 11 Frame	Wood	Varnish					
		11 Sill	Wood	↓					
		11	Vinyl	White					
		C Wall	Drywall	White					
		C-Door B Frame	Wood	Varnish					
		B Jamb	↓	↓					
		B	↓	↓					
		D-Window 12	Wood	Varnish					
		12	Wood	↓					
		12	Vinyl	White					

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 60-415 Crescent Dr. Inspection Date: 4/6/2026 XRF File #:

Functional Space: Inspector: Kenneth Kanuka License #: 04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Kanuka

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bathroom #1	B-Wall	Drywall	Blue	Intact	∅	0.00	N/A	Negative
	↓	C-Wall	↓	↓	↓	↓	↓	↓	↓
	Exterior C	C-Door B Front	Vinyl	White					
		C-Window 1	Frame Vinyl						
		C-Window 22	Frame Vinyl						
	Exterior B	B-Window 4	Frame						
		4							
		5	Frame						
		5							
		6	Frame						
		6							
		7	Frame						
		7							
		8	Frame						
		8							
		9	Frame						
		9							
	↓	~~15~~ #5 Sill	Concrete	Tan	↓	↓	↓	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 60- 415 Crescent Dr. Inspection Date: 4/6/2026 XRF File #: _____

Functional Space: _____ Inspector: Kenneth Kaus License #: 04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Kaus

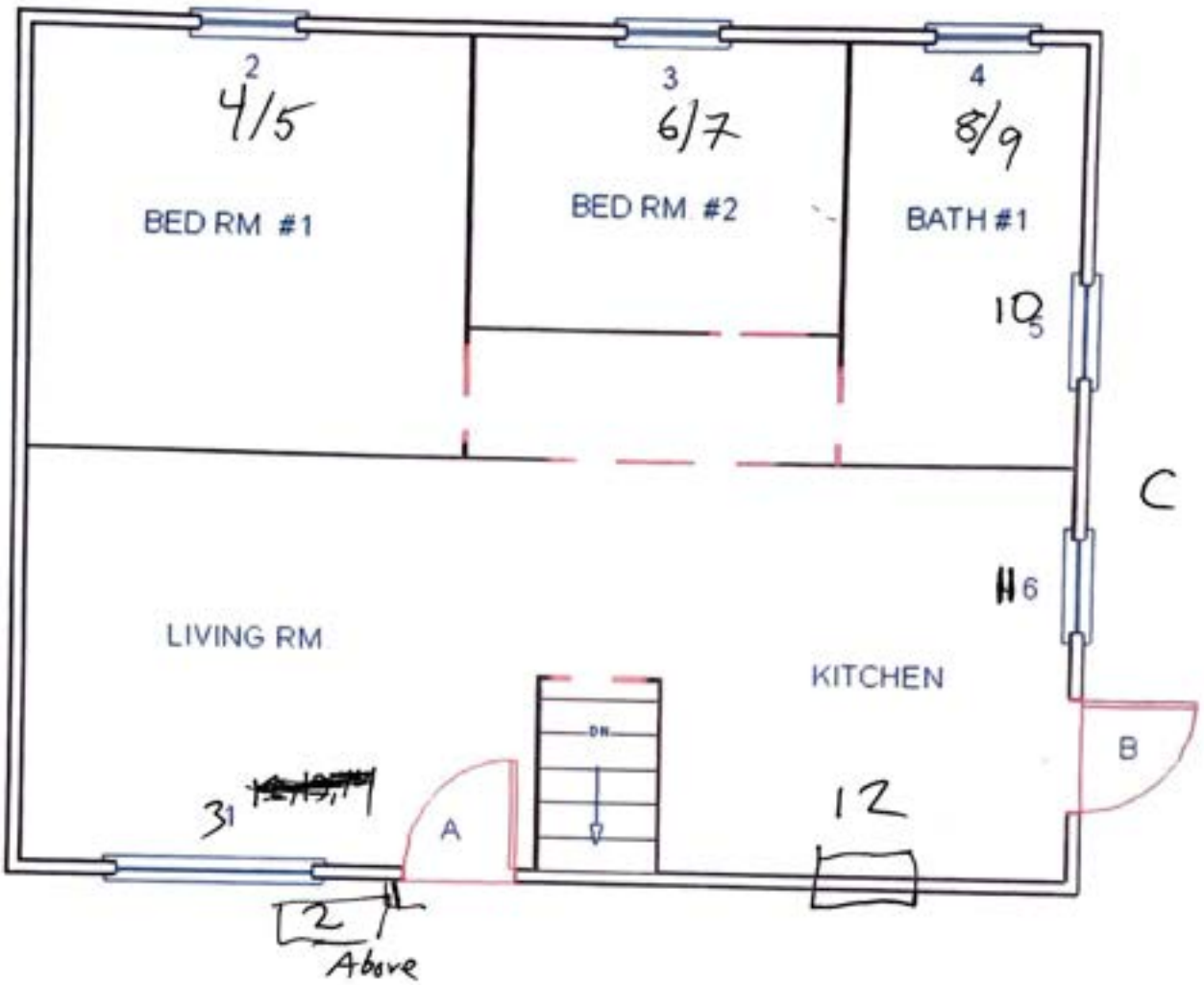
Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior B.	B-Window 16	Frame Vinyl	White	Intact	Ø	0.00	N/A	Negative
		16							
		17 Frame							
		17							
		18 Frame							
		18							
		17 Frame							
		19							
		20 Frame							
		20							
		21 Frame							
		21							
	Post Calibration						1.02, 1.00, 1.01		Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

4/6/26
1 pm
1 of 2

B

N



D

Upper

Patel #60

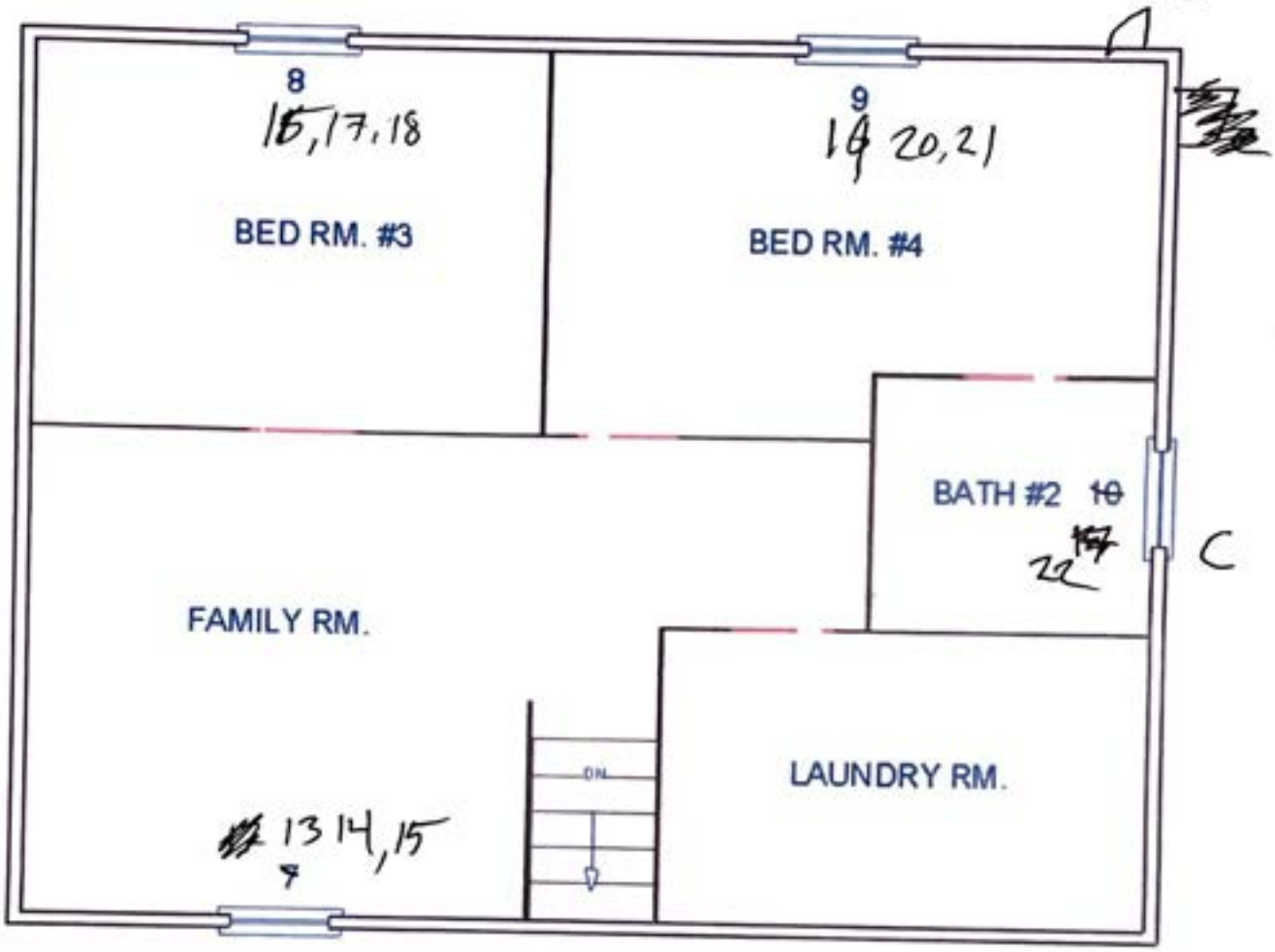
60 - 415 Crescent Dr

4/6/26
1 pm

N

B

C



A

C

D

Lower Level

Patel #60

60- 415 Crescent Dr

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **85 E Jeffrey Avenue**

Phase: **4**

PPN: **71**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

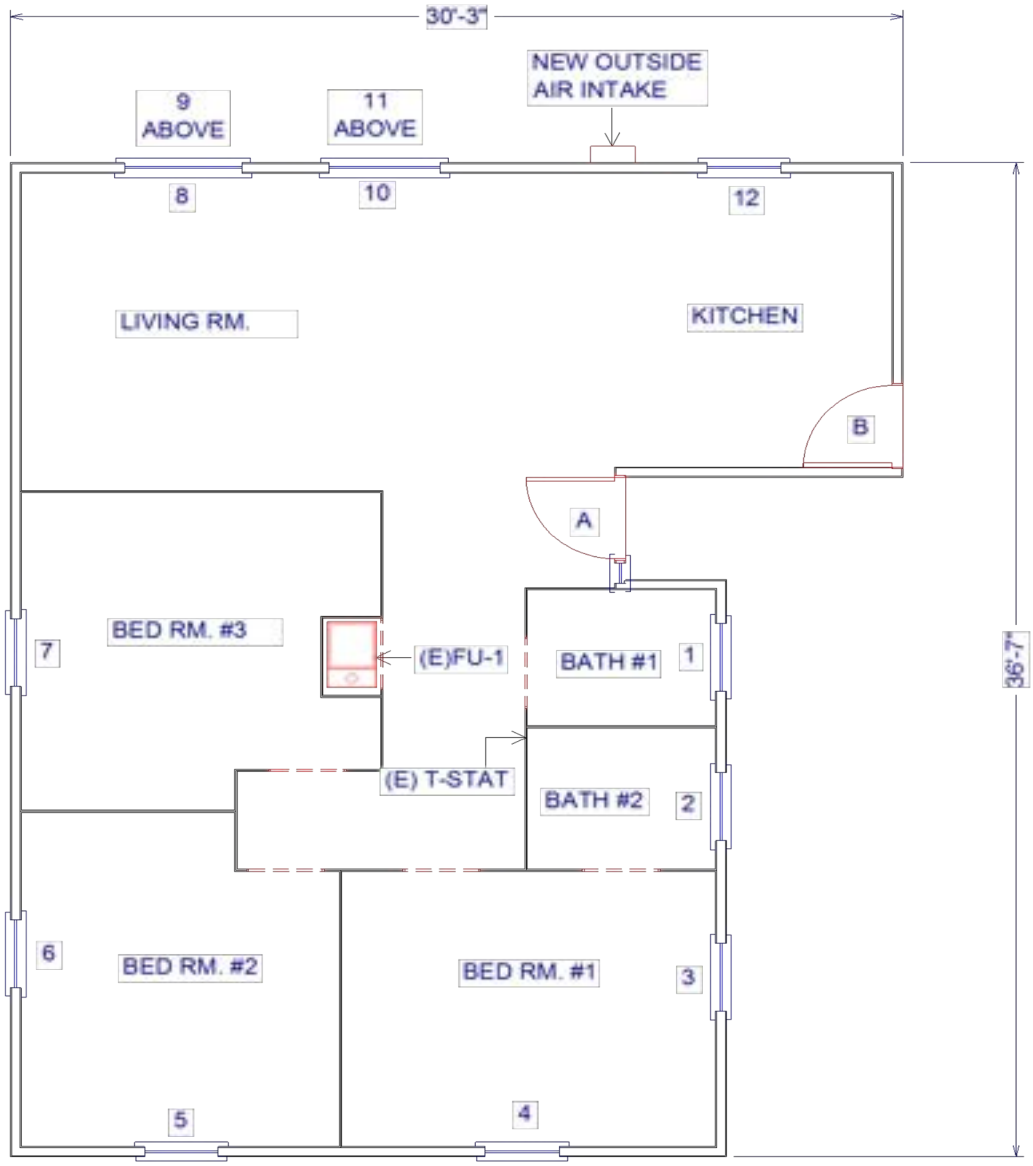
PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM			
		Phase:	**4**
		PPN:	**71**
Address:	**85 E Jeffrey Avenue**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **71**
Address: **85 E Jeffrey Avenue**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	35	27	SL	SL		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
2	35	27	SL	SL		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
3	71	27	SL	SL		VL	VL		2.1	
4	71	27	SL	SL		VL	VL		2.1	
5	71	27	SL	SL		VL	VL		2.1	
6	71	27	SL	SL		VL	VL		2.1	
7	71	27	SL	SL		VL	VL		2.1	
8	72	54	DH-DH	DH-DH		VL	VL		2.1	
9	72	32	FX	FX		VL	VL		2.1	CUSTOM POLYGON SHAPE.
10	72	32	FX	FX		VL	VL		2.1	CUSTOM POLYGON SHAPE.
11	72	54	DH-DH	DH-DH		VL	VL		2.1	
12	72	27	SL	SL		VL	VL		2.1	

Notes:

1-12 ARE VINYL

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **71**

Address: **85 E Jeffrey Avenue**

Revised:

Town: **Wheeling**

C&S COMPANIES®

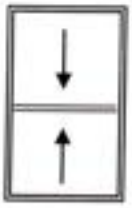
QuieterHome® Program

Window Elevations

PPN# 71

QUIETERHOME PROGRAM

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

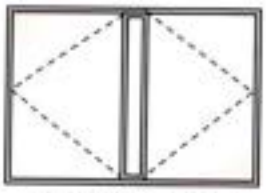
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Location

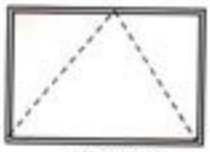
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

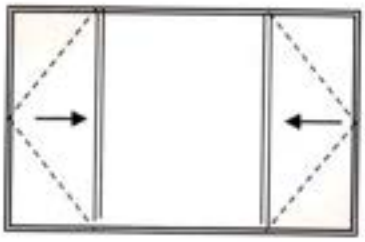
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

☐ Bay
☐ Bow
☐ Other _____

Location



☐ SL – FX – SL
☐ CS – FX – CS

Configuration:

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL TOP SASH ONLY | DIAMOND | DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind
☐ Exceptions noted in field indicated above

PHASE 4
WILCOX
85 E JEFFREY AVE

PPN 71

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	NO	YES	NO	NO	NO	STANDARD	20	17 INCH SIDELITE WITH STORM.
B	32	80	NO	YES	YES	NO	NO	STANDARD	20	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 71
Address: **85 E Jeffrey Avenue**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 71

QUIETERHOME PROGRAM

P1



No Glass

- [x] Fiberglass
- [ ] Steel
- [ ] Wood
- [ ] Peep Hole

Door A, B

Location

P2



No Glass

- [ ] Wood
- [ ] Peep Hole

Location

P3



- [ ] Fiberglass
- [ ] Steel
- [ ] Wood
- [ ] Peep Hole

Location

P4



- [ ] Fiberglass
- [ ] Steel
- [ ] Wood
- [ ] Peep Hole

Location

P5



- [ ] Fiberglass
- [ ] Steel
- [ ] Wood

Location

P6



- [ ] Fiberglass
- [ ] Steel
- [ ] Wood

Location

P7



- [ ] Fiberglass
- [ ] Wood

Location

P8



- [ ] Fiberglass
- [ ] Steel
- [ ] Wood

Location

P9



- [ ] Fiberglass
- [ ] Steel
- [ ] Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 71
WILCOX
85 E JEFFREY AVE

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/24

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

PPN# 71

S1



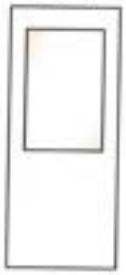
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S2



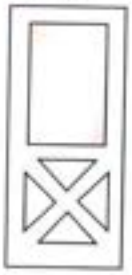
Location

S3



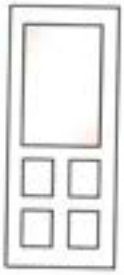
Location

S4



Location

S5



Location

S6



Door B

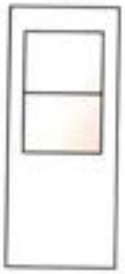
Location

S7



Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4
WILCOX
85 E JEFFREY AVE
PPN 71

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/21

Exterior Prime Door Style Selections

PPN# 71

QUIETERHOME PROGRAM

Interior Solid Core Door

Interior Door = Wood

P10



P11



P12



_____

_____

_____

Location

Solid Core Door-Fire Rated

P13



☐ *Steel*
☐ *Wood*

_____

_____

_____

Location

P14



☐ *Steel*
☐ *Wood*

_____

_____

_____

Location

P15



Right or Left to match existing

Single Sidelite Door

Door A _____ **Location**

#3 _____ **Sidelite Style**

P16

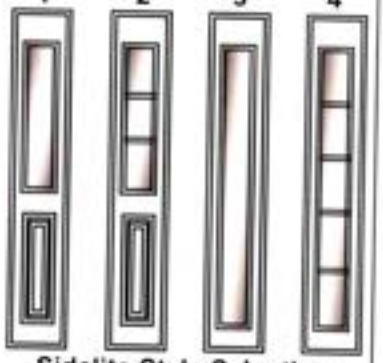


Double Sidelite Door

_____ **Location**

_____ **Sidelite Style**

1 2 3 4



Sidelite Style Selection

Note: Sidelites to be provided by same door manufacturer

Note:

- **Fiberglass and Wood can be painted or stained**
- **Steel can only be painted**
- **Color selection to be determined at measurement walk-through**
- **Shaded area shows where there is glass**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**
- **Clear glass is provided as a standard in all doors. Frosted glass can be provided but must be specified on the selection sheet.**

Homeowner Label

PHASE 4 PPN 71
WILCOX
85 E JEFFREY AVE

I have reviewed the Style selections on this sheet and understand these to be final.

_____

Homeowner Signature Date

Rev. 01/20

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27303

RE: Limited Asbestos & Lead Inspections
71 Wilcox
85 E. Jeffery Ave.
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 85 E. Jeffery Avenue, Wheeling, Illinois 60090.

The findings of the attached reports showed four (4) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Eighty (80) shots were taken for lead and One locations detected lead(D door A frame).

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#71 Wilcox
85 E. Jeffery Avenue
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 10, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27303

RE: Limited Asbestos Inspection
#71 Wilcox
85 E Jeffery Avenue
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 85 E. Jeffery Avenue, Wheeling, Illinois 60090. Four (4) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. No samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

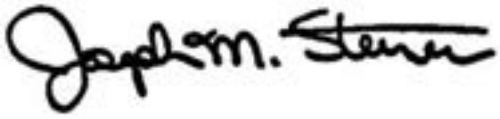
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph R. Sterner
Inspector
IDPH # 100-19790

Reviewed by,

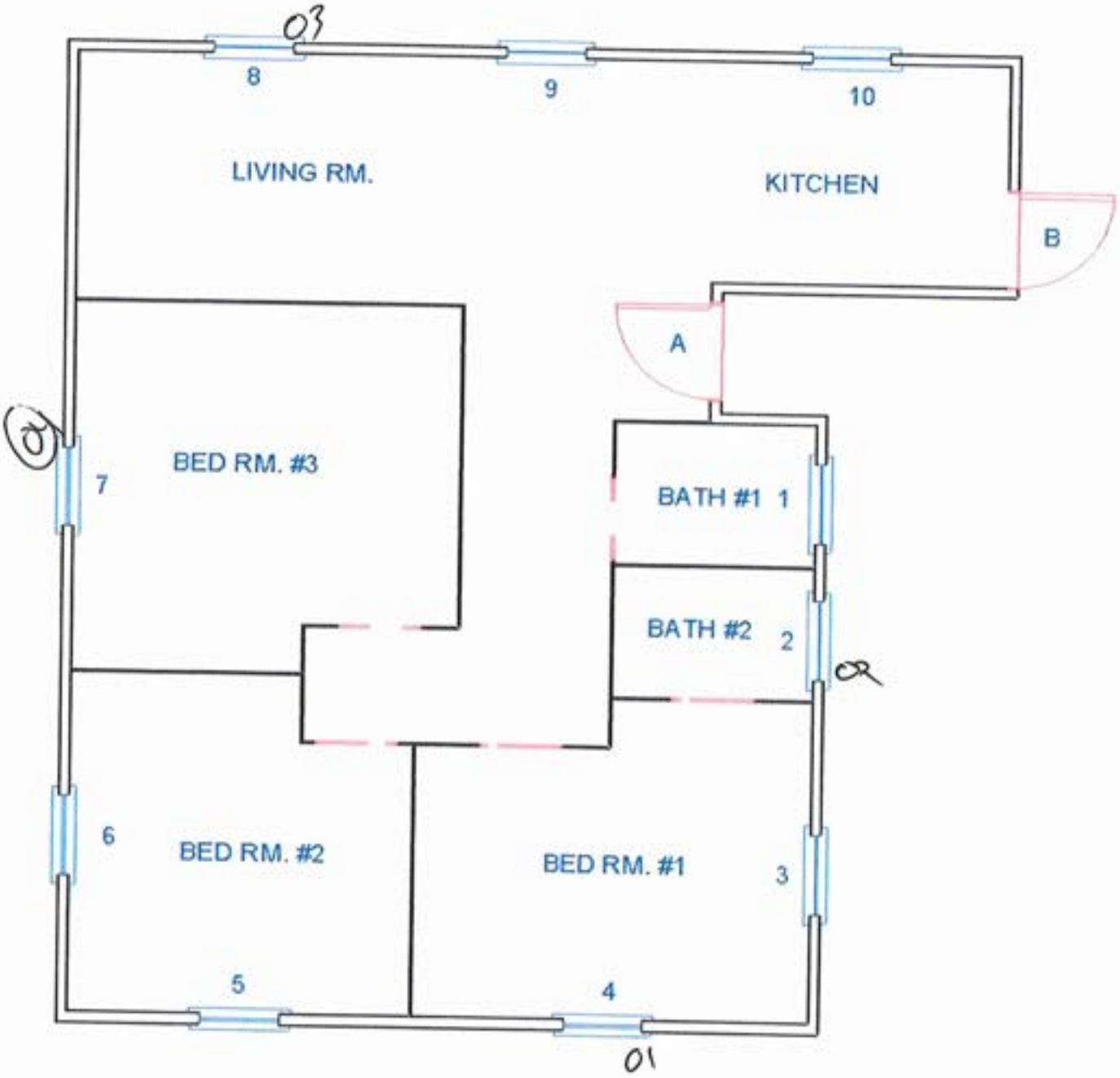
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27303-04-1001	Window caulk North Front Window 10 Windows	Good	No	High	None Detected
27303-04-1002	Window Caulk West Side Window	Good	No	High	None Detected
27303-04-1003	Window Caulk South Big Window	Good	No	High	None Detected
27303-04-1004	Window Caulk East window	Good	No	High	None Detected


03
8
9
10
LIVING RM.
KITCHEN
B
A
02
7
BED RM. #3
BATH #1
1
BATH #2
2
08
6
BED RM. #2
BED RM. #1
3
5
4
01

Wilcox

N

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 13, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27303
JMS Batch: 38431

Re: Bulk Asbestos Analyses of sample(s) received 4/10/2026.
#71 Wilcox 85 E. Jefferey Ave - #71

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% - 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #71 Wilcox 85 E. Jefferey Ave
Client Project Ref: - #71

Project Number: J-27303
Work Order: 38326
Batch Number: 38431

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392805	--	27303-04-1001	Homogeneous White Caulking	--	--	--	<1	--	--
392806	--	27303-04-1002	Homogeneous White Caulking	---NON-FIBROUS---					
392807	--	27303-04-1003	Homogeneous White Caulking	--	--	--	<1	--	--
392808	--	27303-04-1004	Homogeneous White Caulking	---NON-FIBROUS---					

Abbreviations:						
	Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
	Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 13, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27303

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies

PROJECT: #71 85 E. Jeffery Ave
PHONE: (713) 213 - 9790
204 Industrial Lane

TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090

Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27303-04-10 01	4/10/26	8:20	☐	☐	4	☐	☒	1	☐	☐	☐	☐	☐	☐	
27303-04-10 02	↓	↓	☐	☐	↓	☐	☒	↓	☐	☐	☐	☐	☐	☐	
27303-04-10 03	↓	↓	☐	☐	↓	☐	☒	↓	☐	☐	☐	☐	☐	☐	
27303-04-10 04	↓	↓	☐	☐	↓	☐	☒	↓	☐	☐	☐	☐	☐	☐	
27303-04-10			☐	☐	↓	☐	☐		☐	☐	☐	☐	☐	☐	
27303-04-10			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27303-04-10			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27303-04-10			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27303-04-10			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27303-04-10			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:		Date:	4/10/26	Time:	8:20
Relinquished By:		Date:	4/10/26	Time:	1605
Received By:		Date:	4/10/26	Time:	4p
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506

4/8/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 19790

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 19790	4/8/2025	05/15/2026

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	11/8/2025
PROJECT MANAGER	4/29/2025
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Joseph Richard Sterner

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the State of Wisconsin, Department of Health Services under ch. DHS 159, Wis. Admin. Code, The Illinois Department of Public Health and The Indiana Department of Environmental Management, under 326 IAC 18. Training was in accordance with requirements listed under EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Location: 12304 75th Street
Kenosha, WI 53142

Certificate Number: BIRWI2510102014
Course Date: 10/10/2025
Exam Date: 10/10/2025
Expiration Date: 10/10/2026



Tyler Nicholson, Authorized Signer

Issue Date: 10/10/2025

Course Credit Hours: BIR WI 4 Hours

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE




Apr 10, 2026 at 09:03:53
63° NE
85 E Jeffery Ave
Wheeling IL 60090
United States






Apr 10, 2026 at 08:05:21
138° SE
85 E Jeffery Ave
Wheeling IL 60090
United States


Apr 10, 2026 at 08:08:54
52° NE
85 E Jeffery Ave
Wheeling IL 60090
United States


Apr 10, 2026 at 08:10:50
318° NW
360 S Wolf Rd
Wheeling IL 60090
United States


Apr 10, 2026 at 08:16:43
233° SW
91 E Jeffery Ave
Wheeling IL 60090
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

71-85 E Jeffery Avenue
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 10, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family home consisting of one floor with 3 bedrooms with a total of 12 windows and 2 doors. Each individual room was made up of gypsum (drywall) walls and ceilings. The windows and doors scheduled for replacement were made up of vinyl components with wooden frames in the interior and vinyl and metal on the exterior, where present. The exterior walls are primarily vinyl siding.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.08
					OK	0.98
					OK	1.01
71- 85 E Jeffery Avenue						
Entry	D-Door A Frame	Wood	White	Intact	0.00	Negative
Entry	D-Door A Jamb	Wood	White	Intact	0.00	Negative
Entry	D-Door A	Wood	White	Intact	0.00	Negative
Entry	D-Door A Sidelight Frame	Wood	White	Intact	0.00	Negative
Entry	D-Wall	Drywall	Beige	Intact	0.00	Negative
Bathroom 1	D-Window 1 Frame	Wood	White	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Bathroom 1	D-Window 1 Sill	Wood	White	Intact	0.00	Negative
Bathroom 1	D-Window 1	Metal	White	Intact	0.00	Negative
Bathroom 1	D-Wall	Drywall	Beige	Intact	0.00	Negative
Bathroom 1	D-Wall	Ceramic	Beige	Intact	0.00	Negative
Bathroom 2	D-Window 2 Frame	Wood	White	Intact	0.00	Negative
Bathroom 2	D-Window 2 Sill	Wood	White	Intact	0.00	Negative
Bathroom 2	D-Window 2	Metal	White	Intact	0.00	Negative
Bathroom 2	D-Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 1	D-Window 3 Frame	Wood	White	Intact	0.00	Negative
Bedroom 1	D-Window 3 Sill	Wood	White	Intact	0.00	Negative
Bedroom 1	D-Window 3	Metal	White	Intact	0.00	Negative
Bedroom 1	D-Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 1	A-Window 4 Frame	Wood	White	Intact	0.00	Negative
Bedroom 1	A-Window 4 Sill	Wood	White	Intact	0.00	Negative
Bedroom 1	A-Window 4	Vinyl	White	Intact	0.00	Negative
Bedroom 1	A-Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 2	A-Window 5 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	A-Window 5 Sill	Wood	White	Intact	0.00	Negative
Bedroom 2	A-Window 5	Vinyl	White	Intact	0.00	Negative
Bedroom 2	A-Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 2	B-Window 6 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	B-Window 6 Sill	Wood	White	Intact	0.00	Negative
Bedroom 2	B-Window 6	Vinyl	White	Intact	0.00	Negative
Bedroom 2	B-Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 3	B-Window 7 Frame	Wood	White	Intact	0.00	Negative
Bedroom 3	B-Window 7 Sill	Wood	White	Intact	0.00	Negative
Bedroom 3	B-Window 7	Vinyl	White	Intact	0.00	Negative
Bedroom 3	B-Wall	Drywall	Beige	Intact	0.00	Negative
Living Room	C-Window 8 Frame	Wood	White	Intact	0.00	Negative
Living Room	C-Window 8 Sill	Wood	White	Intact	0.58	Negative
Living Room	C-Window 8	Vinyl	White	Intact	0.00	Negative
Living Room	C-Window 9 Frame	Wood	White	Intact	0.00	Negative
Living Room	C-Window 9	Wood	White	Intact	0.00	Negative
Living Room	C-Window 10 Frame	Wood	White	Intact	0.00	Negative
Living Room	C-Window 10 Sill	Wood	White	Intact	0.53	Negative
Living Room	C-Window 10	Vinyl	White	Intact	0.00	Negative
Living Room	C-Wall	Drywall	Beige	Intact	0.00	Negative
Living Room	C-Window 11 Frame	Wood	White	Intact	0.00	Negative
Living Room	C-Window 11	Wood	White	Intact	0.00	Negative
Kitchen	C-Window 12 Frame	Wood	White	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Kitchen	C-Window 12 Sill	Wood	White	Intact	0.00	Negative
Kitchen	C-Window 12	Vinyl	White	Intact	0.00	Negative
Kitchen	C-Wall	Drywall	Beige	Intact	0.00	Negative
Kitchen	D-Door B Frame	Wood	Beige	Intact	0.00	Negative
Kitchen	D-Door B Jamb	Wood	Beige	Intact	0.00	Negative
Kitchen	D-Door B	Wood	Beige	Intact	0.00	Negative
Exterior D	Siding	Vinyl	Gray	Intact	0.00	Negative
Exterior D	**D-Door A Frame**	**Metal**	**White**	**Intact**	**1.23**	**Positive**
Exterior D	D-Door Sidelight	Metal	White	Intact	0.23	Negative
Exterior D	Window 1 Frame	Metal	White	Intact	0.00	Negative
Exterior D	Window 1	Vinyl	White	Intact	0.00	Negative
Exterior D	Window 2 Frame	Metal	White	Intact	0.00	Negative
Exterior D	Window 2	Vinyl	White	Intact	0.00	Negative
Exterior D	Window 3 Frame	Metal	White	Intact	0.00	Negative
Exterior D	Window 3	Vinyl	White	Intact	0.00	Negative
Exterior C	Window 8 Frame	Metal	White	Intact	0.00	Negative
Exterior C	Window 8	Vinyl	White	Intact	0.00	Negative
Exterior C	Window 9 Frame	Metal	White	Intact	0.00	Negative
Exterior C	Window 9	Vinyl	White	Intact	0.00	Negative
Exterior C	Window 10 Frame	Metal	White	Intact	0.00	Negative
Exterior C	Window 10	Vinyl	White	Intact	0.00	Negative
Exterior C	Window 11 Frame	Metal	White	Intact	0.00	Negative
Exterior C	Window 11	Vinyl	White	Intact	0.00	Negative
Exterior C	Window 12 Frame	Metal	White	Intact	0.00	Negative
Exterior C	Window 12	Vinyl	White	Intact	0.00	Negative
Exterior C	Siding	Vinyl	Grey	Intact	0.00	Negative
Exterior A	Window 4 Frame	Metal	White	Intact	0.00	Negative
Exterior A	Window 4	Vinyl	White	Intact	0.00	Negative
Exterior A	Window 5 Frame	Metal	White	Intact	0.00	Negative
Exterior A	Window 5	Vinyl	White	Intact	0.00	Negative
Exterior A	Siding	Vinyl	Gray	Intact	0.00	Negative
Exterior B	Window 6 Frame	Metal	White	Intact	0.00	Negative
Exterior B	Window 6	Vinyl	White	Intact	0.00	Negative
Exterior B	Window 7 Frame	Metal	White	Intact	0.00	Negative
Exterior B	Window 7	Vinyl	White	Intact	0.00	Negative
Exterior B	Siding	Vinyl	Gray	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

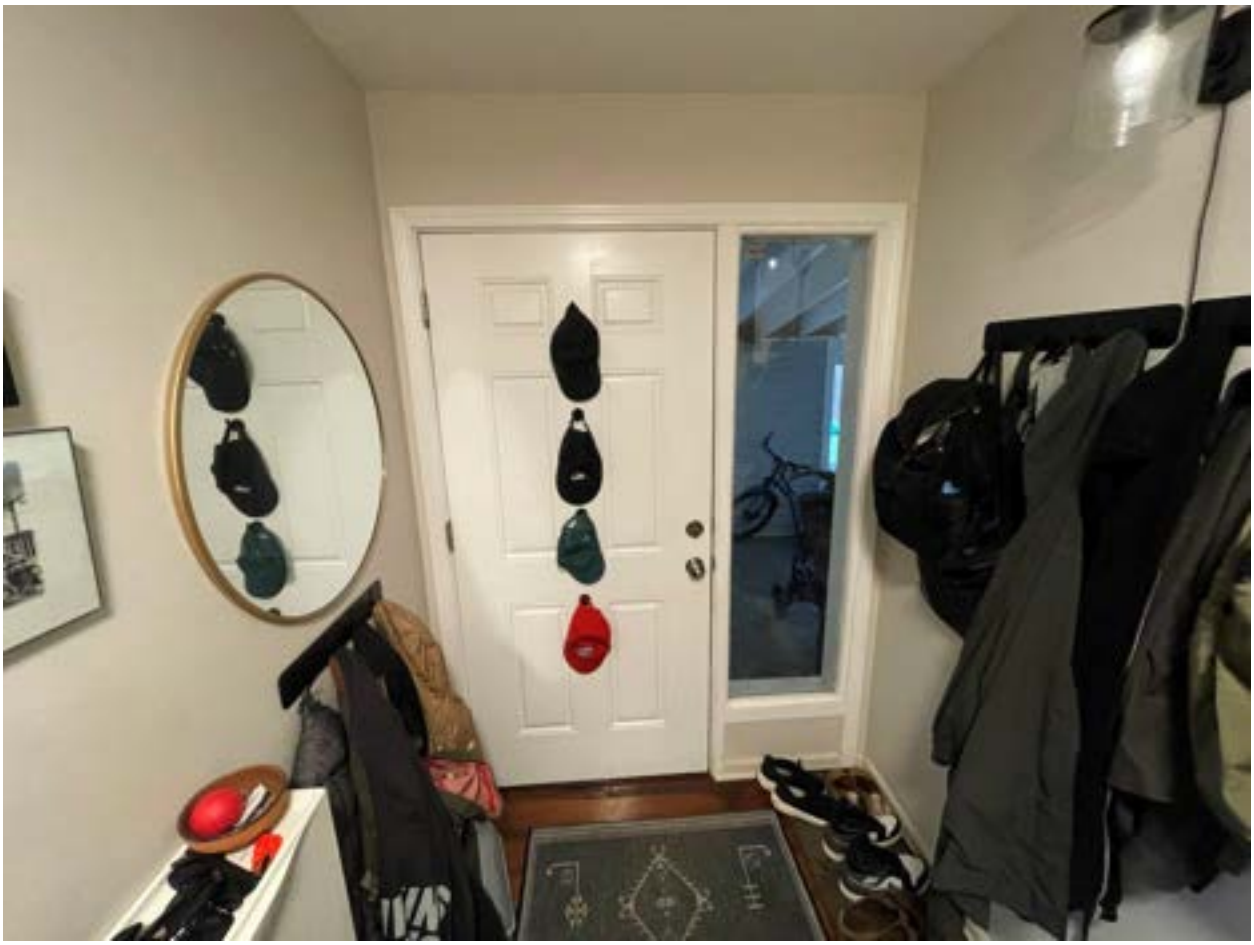
Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings








THE ART INSTITUTE OF CHICAGO








8 20 25














PILOT



Lead Based Paint Data Sheet

Building/Address: 71-85 E. Jeffrey Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Calibration						1.08, 0.98, 1.01		Acceptable
	Entry	D-Door A Frame	Wood	White	Intact	Ø	0.00	N/A	Negative
		A Jamb					0.00		
		A					0.00		
		D-S.delight Frame					0.00		
		D Wall	Drywall	Beige			0.00		
	Bath #1	D-Window 1 Frame	Wood	White			0.00		
		1 Sill					0.00		
		1	Metal				0.00		
		D-Wall	Drywall	Beige			0.00		
		D-Wall	Ceramic	Beige			0.00		
	Bath #2	D-Window 2 Frame	Wood	White			0.00		
		2 Sill					0.00		
		2	metal				0.00		
		D-Wall	Drywal	Beige			0.00		
	Bed Room #1	D-Window 3 Frame	Wood	White			0.00		
		3 Sill					0.00		
		3	Metal				0.00		
		D-Wall	Drywall	Beige			0.00		

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 71-85 E. Jeffrey Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bedroom #1	A-Window 4 Frame	Wood	White	Intact	∅	0.00	N/A	Negative
	↓	4 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	4	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	A-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Bedroom #2	A Window 5 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	5 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	5	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	A-wall	Drywall	Beige	↓	↓	0.00	↓	↓
	↓	B-Window 6 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	6 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	6	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	B-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Bedroom #3	B-Window 7 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	7 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	7	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	B-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Living Room	C-Window 8 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	8 Sill	↓	↓	↓	↓	0.58	↓	↓
	↓	8	Vinyl	↓	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 71-85 E Jeffrey Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature:

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Living Rm	C-Window 9 Frame	Wood	White	Intact	Ø	0.00	N/A	Negative
	↓	↓ 9	↓	↓	↓	↓	0.00	↓	↓
		C. Window 10 Frame	Wood	White			0.00		
		↓ 10 Sill	↓	↓			0.00		
		↓ 10	Vinyl	↓			0.00		
		C. Wall	Drywall	Beige			0.00		
		C-Window 11 Frame	Wood	White			0.00		
	↓	↓ 11	↓	↓			0.00		
	Kitchen	C. Window 12 Frame	Wood	White			0.00		
		↓ 12 Sill	↓	↓			0.00		
		↓ 12	Vinyl	↓			0.00		
		C. Wall	Drywall	Beige			0.00		
		D-Door B Frame	Wood	Beige			0.00		
		↓ B Jamb	↓	↓			0.00		
	↓	↓ B	↓	↓	↓		0.00		
	Exterior D	Siding	Vinyl	Grey			0.00		↓
*	↓	D-Door Frame	Metal	White			1.23		Positive
	↓	D-Door Sidelight	Metal	White	↓	↓	0.23	↓	Negative

* Under Metal

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 71-85 E. Jeffrey Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature:

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior D	Window 1 Frame	Metal	White	Intact	Ø	0.00	N/A	Negative
		1	Vinyl				0.00		
		2 Frame	metal				0.00		
		2	Vinyl				0.00		
		3 Frame	Metal				0.00		
		3	Vinyl				0.00		
	Exterior C	Window 8 Frame	Metal				0.00		
		8	Vinyl				0.00		
		9 Frame	Metal				0.00		
		9	Vinyl				0.00		
		10 Frame	Metal				0.00		
		10	Vinyl				0.00		
		11 Frame	Metal				0.00		
		11	Vinyl				0.00		
		12 Frame	Metal				0.00		
		12	Vinyl				0.00		
		Siding	Vinyl	Gray			0.00		

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 71-85 E. Jeffrey Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

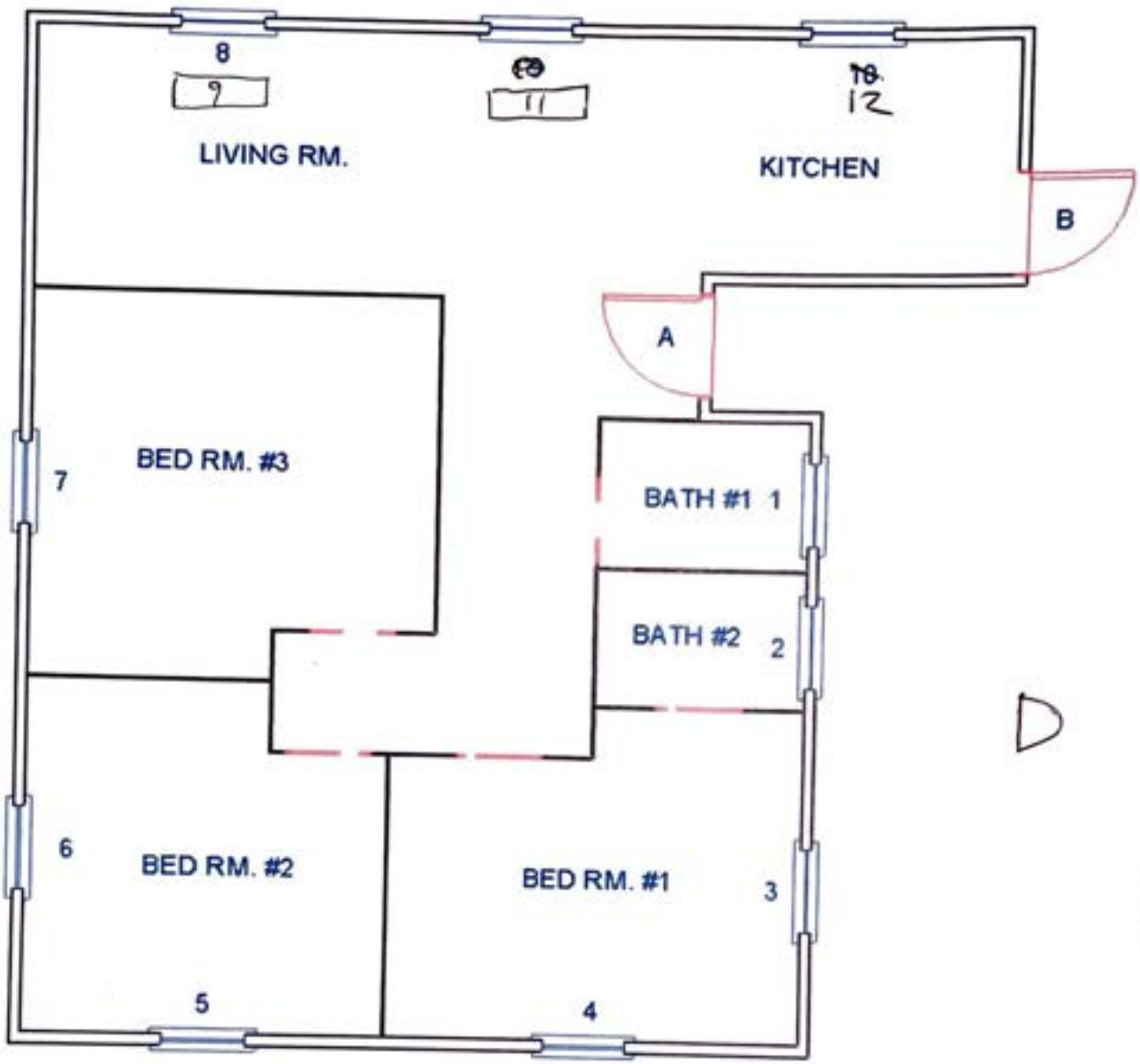
Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior A	Window 4 Frame	Metal	White	Intact	Ø	0.00	N/A	Negative
	↓	4	Vinyl	↓	↓	↓	0.00	↓	↓
		5 Frame	Metal				0.00		
		5	Vinyl				0.00		
	↓	Siding	Vinyl	Gray			0.00		
	Exterior B	Window 6 Frame	Metal	White			0.00		
	↓	6	Vinyl	↓			0.00		
		7 Frame	Metal				0.00		
		7	Vinyl				0.00		
	↓	Siding	Vinyl	Gray	↓	↓	0.00	↓	↓
	Post Calibration	—	—	—	—	—	1.02, 1.01, 0.99	—	Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

4/10/26
8 AM 1 of 1

N

C



B

D

A

Wilcox

71- 85 E. Jeffrey

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **180 Highland Avenue**

Phase: **4**

PPN: **91**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**91**
Address:	**180 Highland Avenue**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



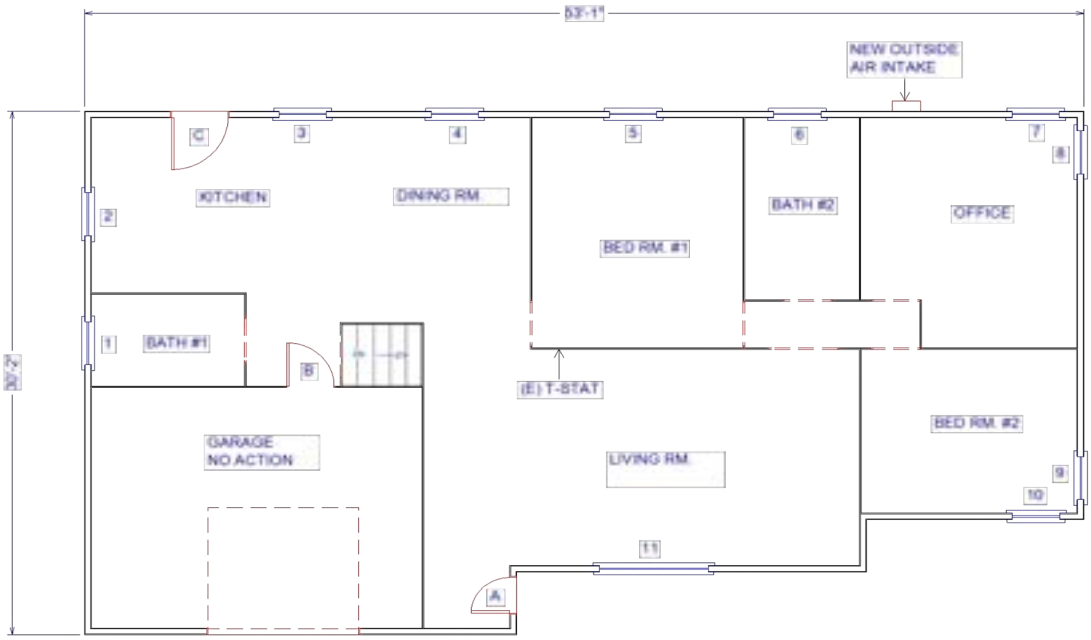
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **91**
Address: **180 Highland Avenue**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**91**
Address:	**180 Highland Avenue**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	19	28	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
2	39	39	DH	DH		VL	VL		2.1	
3	39	39	DH	DH		VL	VL		2.1	
4	67	47	DH-DH	DH-DH		VL	VL		2.1	
5	67	47	DH-DH	DH-DH		VL	VL		2.1	
6	30	38	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS. TILE RETURNS.
7	40	47	DH	DH		VL	VL		2.1	
8	40	47	DH	DH		VL	VL		2.1	
9	40	47	DH	DH		VL	VL		2.1	
10	40	47	DH	DH		VL	VL		2.1	
11	120	53	DH-FX-DH	DH-FX-DH		WD	VL		2.1	TEMPERED GLASS. 1-3-1 CONFIGURATION.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **91**

Revised:

Address: **180 Highland Avenue**

Town: **Wheeling**

C&S COMPANIES®

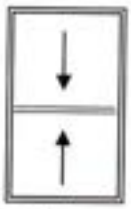
QuieterHome® Program

PPN# 91

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG

Location



FIXED

Location



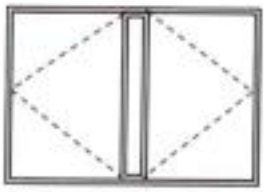
SLIDER

Location



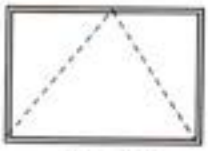
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

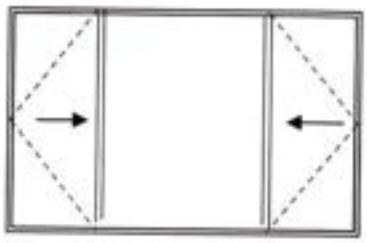
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration:

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL TOP SASH ONLY | DIAMOND | DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind

☐ Exceptions noted in field indicated above

PHASE 4
SALINAS
180 HIGHLAND AVE

PPN 91

Elsie Salinas - 5-7-26

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL.
B	32	80	YES	YES	NO	NO	NO	STANDARD	20	FIRE RATED DOOR.
C	32	80	YES	YES	YES	NO	NO	STANDARD	20	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 91
Address: **180 Highland Avenue**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 91

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☒ Steel
- ☐ Wood
- ☐ Peep Hole

Door C

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☒ Steel
- ☐ Wood

Door A - opaque glass

Location

P7



- ☐ Fiberglass
- ☐ Wood

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 91
SALINAS
180 HIGHLAND AVE

I have reviewed the Style selections on this sheet and understand these to be final.

Elsie Salinas - 5-7-26

Homeowner Date

Rev. 02/24

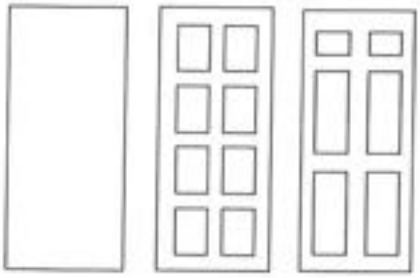
Exterior Prime Door Style Selections

PPN# 91

QUIETERHOME PROGRAM

Interior Solid Core Door
Interior Door = Wood

P10 **P11** **P12**



Location

Solid Core Door-Fire Rated

P13



☐ Steel
☐ Wood

Location

P14



☒ Steel
☐ Wood

Door B

Location

P15



Right or Left to match existing

Single Sidelite Door

Location

Sidelite Style

P16

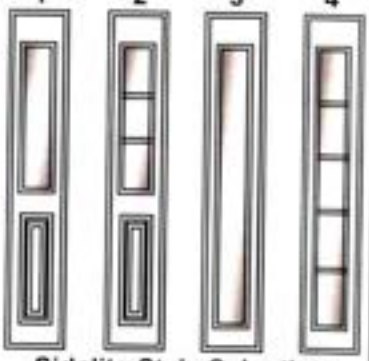


Double Sidelite Door

Location

Sidelite Style

1 **2** **3** **4**



Sidelite Style Selection

Note: Sidelites to be provided by same door manufacturer

Note:

- **Fiberglass and Wood can be painted or stained**
- **Steel can only be painted**
- **Color selection to be determined at measurement walk-through**
- **Shaded area shows where there is glass**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**
- **Clear glass is provided as a standard in all doors. Frosted glass can be provided but must be specified on the selection sheet.**

Homeowner Label

PHASE 4 PPN 91
SALINAS
180 HIGHLAND AVE

I have reviewed the Style selections on this sheet and understand these to be final.

Elia Salinas - 5-7-26

Homeowner Signature Date

Rev. 01/20

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

PPN# 91

S1



Door A,C

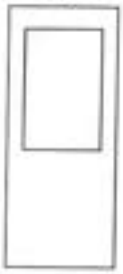
Location

S2



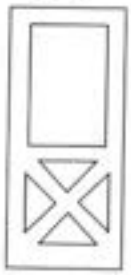
Location

S3



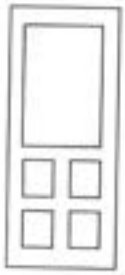
Location

S4



Location

S5



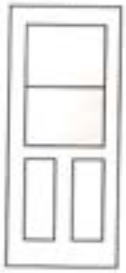
Location

S6



Location

S7



Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☑ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 91
SALINAS
180 HIGHLAND AVE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Elva Salinas - 5-7-26

Homeowner Date

Rev. 02/21

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27307

RE: Limited Asbestos & Lead Inspections
91 Salinas
180 Highland Avenue
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 180 Highland Avenue, Wheeling, Illinois 60090.

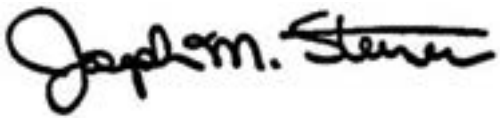
The findings of the attached reports showed eight (8) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Eighty-eight (88) shots were taken for lead and One location detected lead (Window 11 inner frame White).

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



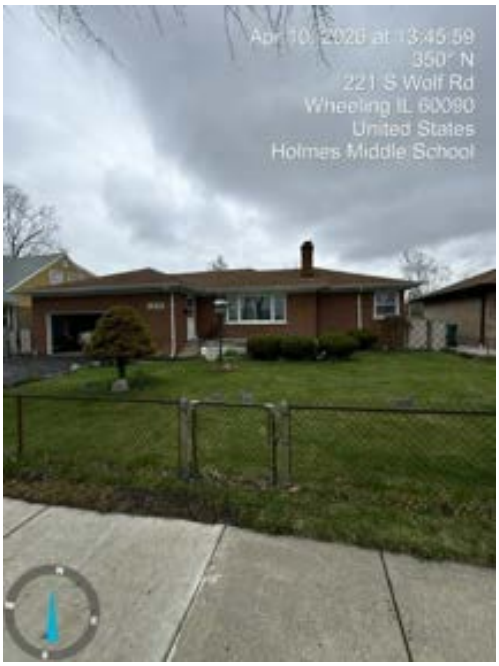
Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#91 Salinas
180 Highland Avenue
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 10, 2026

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27307

RE: Limited Asbestos Inspection
#91 Salinas
180 Highland Avenue
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 180 Highland Avenue Wheeling, Illinois 60090. Eight (8) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. No samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

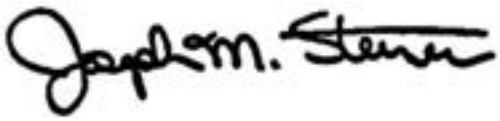
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph R. Sterner
Inspector
IDPH # 100-19790

Reviewed by,

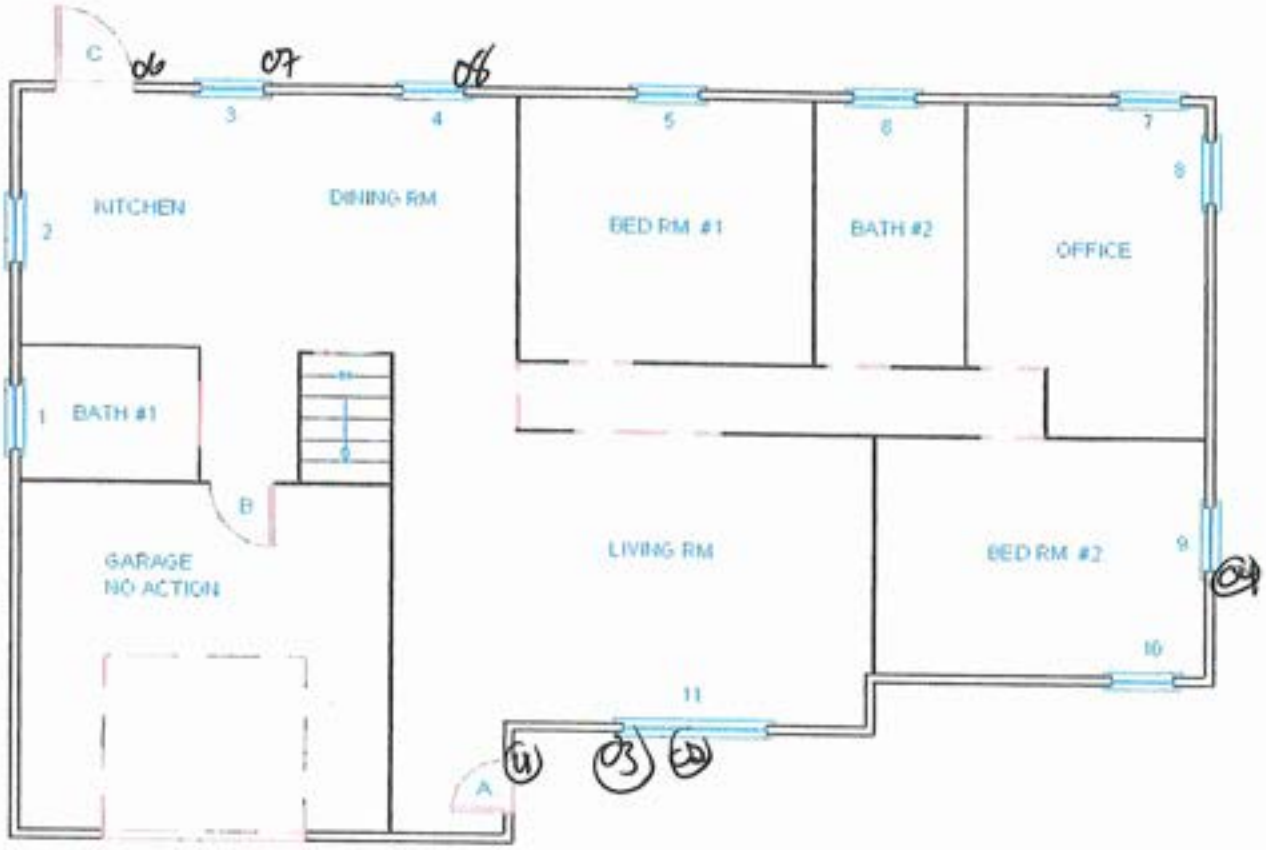
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27307-04-1001	Door Caulk Front Door South (2 Doors)	Good	No	High	None Detected
27307-04-1002	Window Caulk South Front Window (15 Windows)	Good	No	High	None Detected
27307-04-1003	Window Glazing South Front Window	Good	Yes	High	None Detected
27307-04-1004	Window Caulk East Window	Good	No	High	None Detected
27307-04-1005	Window Caulk West Base Window	Good	No	High	None Detected
27307-04-1006	Door Caulk North Back Door	Good	No	High	None Detected
27307-04-1007	Window Caulk North Side Window	Good	No	High	None Detected
27307-04-1008	Window Caulk North Back Window	Good	No	High	None Detected


C
06
07
06
3
4
5
6
7
8
KITCHEN
DINING RM
BED RM #1
BATH #2
OFFICE
2
1
BATH #1
B
GARAGE
NO ACTION
LIVING RM
BED RM #2
9
04
10
11
01
03
05
A

Salinas



Salinas

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 13, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27307
JMS Batch: 38429

Re: Bulk Asbestos Analyses of sample(s) received 4/10/2026.
#91Salinas 180 Highland Ave - #91

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written appeoval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 µm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% - 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #91Salinas 180 Highland Ave
Client Project Ref: - #91

Project Number: J-27307
Work Order: 38324
Batch Number: 38429

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392795	--	27307-04-1001	Homogeneous White Caulking	---NON-FIBROUS---					
392796	--	27307-04-1002	Homogeneous White Caulking	---NON-FIBROUS---					
392797	--	27307-04-1003	Heterogeneous White Caulking	--	--	--	<1	--	--
392798	--	27307-04-1004	Homogeneous White Caulking	--	--	--	<1	--	--
392799	--	27307-04-1005	Heterogeneous White, Grey Caulking	---NON-FIBROUS---					

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 13, 2026

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #91Salinas 180 Highland Ave
Client Project Ref: - #91

Project Number: J-27307
Work Order: 38324
Batch Number: 38429

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392800	--	27307-04-1006	Homogeneous White, Grey Caulking	---NON-FIBROUS---					
392801	--	27307-04-1007	Heterogeneous White Caulking	--	--	--	<1	--	--
392802	--	27307-04-1008	Heterogeneous White Caulking	---NON-FIBROUS---					

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 13, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27307

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #91 180 Highland
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27307-04-10 01	4/10/26	14:11	☐	☐	4	☐	☒	1	☐	☐	☐	☐	☐	☐	
27307-04-10 02	↓	↓	☐	☐	↓	☐	☒	↓	☐	☐	☐	☐	☐	☐	
27307-04-10 03			☐	☐		☐	☒		☐	☐	☐	☐	☐	☐	
27307-04-10 04			☐	☐		☐	☒		☐	☐	☐	☐	☐	☐	
27307-04-10 05			☐	☐		☐	☒		☐	☐	☐	☐	☐	☐	
27307-04-10 06			☐	☐		☐	☒		☐	☐	☐	☐	☐	☐	
27307-04-10 07			☐	☐		☐	☒		☐	☐	☐	☐	☐	☐	
27307-04-10 08	↓	↓	☐	☐	↓	☐	☒	↓	☐	☐	☐	☐	☐	☐	
27307-04-10			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27307-04-10			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:		Date:	4/10/26	Time:	14:11
Relinquished By:		Date:	4/10/26	Time:	1645
Received By:		Date:	4/10/26	Time:	42
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506

4/8/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 19790

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 19790	4/8/2025	05/15/2026

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	11/8/2025
PROJECT MANAGER	4/29/2025
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Joseph Richard Sterner

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the State of Wisconsin, Department of Health Services under ch. DHS 159, Wis. Admin. Code, The Illinois Department of Public Health and The Indiana Department of Environmental Management, under 326 IAC 18. Training was in accordance with requirements listed under EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Location: 12304 75th Street
Kenosha, WI 53142

Certificate Number: BIRWI2510102014
Course Date: 10/10/2025
Exam Date: 10/10/2025
Expiration Date: 10/10/2026



Tyler Nicholson, Authorized Signer

Issue Date: 10/10/2025

Course Credit Hours: BIR WI 4 Hours

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

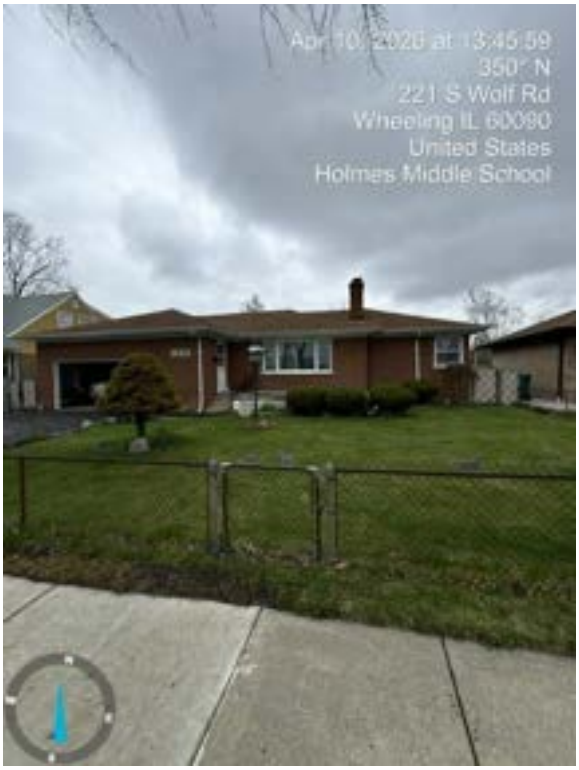
Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE


Apr 10, 2026 at 13:45:59
350° N
221 S Wolf Rd
Wheeling IL 60090
United States
Holmes Middle School


Apr 10, 2026 at 13:48:06
335° NW
170 Highland Ave
Wheeling IL 60090
United States


Apr 10, 2026 at 13:48:37
335° NW
192 Highland Ave
Wheeling IL 60090
United States


Apr 10, 2026 at 13:50:55
302° NW
192 Highland Ave
Wheeling IL 60090
United States


Apr 10, 2026 at 13:50:59
27° NE
192 Highland Ave
Wheeling IL 60090
United States


Apr 10, 2026 at 1
5° N
192 High
Wheeling
United States


Apr 10, 2026 at 13:56:18
271° W
192 Highland Ave
Wheeling IL 60090
United States




Apr 10, 2026 at 14:02:04
124° SE
180 Highland Ave
Wheeling IL 60090
United States


Apr 10, 2026 at 14:02:18
169° S
180 Highland Ave
Wheeling IL 60090
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

91-180 Highland Avenue
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 10, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family home consisting of one floor with 3 bedrooms with a total of 16 windows and 3 doors. Each individual room was made up of gypsum (drywall) walls and ceilings. The windows and doors scheduled for replacement were made up of vinyl components with wooden frames in the interior and vinyl and metal on the exterior, where present. The exterior walls are primarily unpainted brick.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.08
					OK	0.98
					OK	1.01
91-180 Highland Avenue						
Bathroom	D-Window 1 Sill	Wood	White	Intact	0.00	Negative
Bathroom	D-Window 1	Vinyl	White	Intact	0.00	Negative
Bathroom	D-Wall	Drywall	Yellow	Intact	0.01	Negative
Bathroom	D-Wall Chair Rail	Wood	White	Intact	0.00	Negative
Kitchen	D-Window 2 Sill	Wood	White	Intact	0.00	Negative
Kitchen	D-Window 2	Vinyl	White	Intact	0.00	Negative
Kitchen	D-Wall	Drywall	Green	Intact	0.06	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Kitchen	A-Door C Frame	Wood	White	Intact	0.00	Negative
Kitchen	A-Door C Jamb	Wood	Tan	Intact	0.00	Negative
Kitchen	A-Door C	Metal	White	Intact	0.00	Negative
Kitchen	A-Window 3 Frame	Wood	White	Intact	0.00	Negative
Kitchen	A-Window 3	Vinyl	White	Intact	0.00	Negative
Kitchen	A-Wall	Ceramic	Gray	Intact	0.00	Negative
Dining Room	A-Window 4 Frame	Wood	White	Intact	0.00	Negative
Dining Room	A-Window 4	Vinyl	White	Intact	0.00	Negative
Dining Room	A-Wall	Drywall	Tan	Intact	0.13	Negative
Bedroom 1	A-Window 5 Frame	Wood	White	Intact	0.00	Negative
Bedroom 1	A-Window 5	Vinyl	White	Intact	0.00	Negative
Bedroom 1	A-Wall	Wood	Varnish	Intact	0.00	Negative
Bathroom 2	A-Window 6	Vinyl	White	Intact	0.00	Negative
Bathroom 2	A-Wall	Ceramic	Beige	Intact	0.13	Negative
Office	A-Window 7 Frame	Wood	Varnish	Intact	0.00	Negative
Office	A-Window 7	Vinyl	White	Intact	0.00	Negative
Office	B-Window 8 Frame	Wood	Varnish	Intact	0.00	Negative
Office	B-Window 8	Vinyl	White	Intact	0.00	Negative
Office	A-Wall	Drywall	Green	Intact	0.00	Negative
Office	B-Wall	Drywall	Green	Intact	0.00	Negative
Bedroom 2	B-Window 9 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	B-Window 9	Vinyl	White	Intact	0.00	Negative
Bedroom 2	B-Wall	Drywall	Gray	Intact	0.00	Negative
Bedroom 2	C-Window 10 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	C-Window 10	Vinyl	White	Intact	0.00	Negative
Bedroom 2	C-Wall	Drywall	Gray	Intact	0.00	Negative
Living Room	C-Window 11 Frame	Wood	White	Intact	0.06	Negative
Living Room	C-Window 11 Sill	Wood	White	Intact	0.06	Negative
Living Room	C-Window 11	Wood	White	Intact	0.05	Negative
Living Room	C-Wall	Drywall	Blue	Intact	0.13	Negative
Living Room	B-Door A Frame	Wood	White	Intact	0.00	Negative
Living Room	B-Door A Jamb	Wood	Tan	Intact	0.00	Negative
Living Room	B-Door A	Metal	White	Intact	0.00	Negative
Living Room	B-Wall	Drywall	Blue	Intact	0.08	Negative
Exterior C	**Window 11, Inner Frame**	**Wood**	**White**	**Intact**	**1.67**	**Positive**
Exterior C	Window 11 Outer Frame	Metal	White	Intact	0.00	Negative
Exterior C	Window 11 Sill	Metal	White	Intact	0.18	Negative
Exterior C	Window 11 Sill	Wood	White	Intact	0.00	Negative
Exterior C	Window 10 Sill	Concrete	White	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Exterior C	Window 10 Frame	Wood	White	Intact	0.03	Negative
Exterior C	Window 10	Vinyl	White	Intact	0.00	Negative
Exterior C	Door A Frame	Wood	White	Intact	0.00	Negative
Exterior C	Door A Frame	Metal	White	Intact	0.00	Negative
Exterior C	Door A Frame	Vinyl	White	Intact	0.00	Negative
Exterior C	Door A	Metal	White	Intact	0.00	Negative
Exterior D	Window 1 Sill	Wood	White	Intact	0.00	Negative
Exterior D	Window 1 Sill	Concrete	White	Intact	0.00	Negative
Exterior D	Window 1	Vinyl	White	Intact	0.00	Negative
Exterior D	Window 2 Sill	Wood	White	Intact	0.00	Negative
Exterior D	Window 2 Sill	Concrete	White	Intact	0.00	Negative
Exterior D	Window 2	Vinyl	White	Intact	0.00	Negative
Exterior A	Door C Frame	Metal	White	Intact	0.00	Negative
Exterior A	Door C	Metal	White	Intact	0.00	Negative
Exterior A	Window 3 Frame	Metal	White	Intact	0.00	Negative
Exterior A	Window 3 Sill	Metal	White	Intact	0.00	Negative
Exterior A	Window 3 Sill	Wood	White	Intact	0.00	Negative
Exterior A	Window 3	Wood	White	Intact	0.00	Negative
Exterior A	Window 4 Frame	Wood	White	Intact	0.00	Negative
Exterior A	Window 4 Sill	Wood	White	Intact	0.00	Negative
Exterior A	Window 4 Sill	Concrete	White	Intact	0.00	Negative
Exterior A	Window 4	Vinyl	White	Intact	0.00	Negative
Exterior A	Window 5 Frame	Wood	White	Intact	0.00	Negative
Exterior A	Window 5 Sill	Wood	White	Intact	0.00	Negative
Exterior A	Window 5 Sill	Concrete	White	Intact	0.00	Negative
Exterior A	Window 5	Vinyl	White	Intact	0.00	Negative
Exterior A	Window 6 Frame	Wood	White	Intact	0.00	Negative
Exterior A	Window 6 Sill	Wood	White	Intact	0.00	Negative
Exterior A	Window 6 Sill	Concrete	White	Intact	0.00	Negative
Exterior A	Window 6	Vinyl	White	Intact	0.00	Negative
Exterior A	Window 7 Frame	Wood	White	Intact	0.00	Negative
Exterior A	Window 7 Sill	Wood	White	Intact	0.00	Negative
Exterior A	Window 7 Sill	Concrete	White	Intact	0.00	Negative
Exterior A	Window 7	Vinyl	White	Intact	0.00	Negative
Exterior B	Window 8 Frame	Wood	White	Intact	0.00	Negative
Exterior B	Window 8 Sill	Wood	White	Intact	0.00	Negative
Exterior B	Window 8 Sill	Concrete	White	Intact	0.00	Negative
Exterior B	Window 8	Vinyl	White	Intact	0.00	Negative
Exterior B	Window 9 Frame	Wood	White	Intact	0.00	Negative
Exterior B	Window 9 Sill	Wood	White	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Exterior B	Window 9 Sill	Concrete	White	Intact	0.00	Negative
Exterior B	Window 9	Vinyl	White	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that lead-based paint was identified in the referenced components listed in this report.

Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings































Lead Based Paint Data Sheet

Building/Address: 91-185 Highland Ave Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
		Calibration					1.08, 0.98, 1.01		Acceptable
	Bathroom #1	D-Window Sill	Wood	White	Intact	Ø	0.00	N/A	Negative
	↓	↓ 1	Vinyl	↓	↓	↓	0.00	↓	↓
		D-Wall	Drywall	Yellow			0.01		
	↓	D-Wall Chair Rail	Wood	White			0.00		
	Kitchen	D-Window 2 Sill	Wood	White			0.00		
	↓	D ↓ 2	Vinyl	↓			0.00		
		D-Wall	Drywall	Green			0.06		
		A-Door C Frame	Wood	White			0.00		
		↓ C Jamb	↓	Tan			0.00		
		↓ C	Metal	White			0.00		
		A-Window 3 Frame	Wood	White			0.00		
		↓ 3	Vinyl	↓			0.00		
	↓	A-Wall	Ceramic	Gray			0.00		
	Dining Rm	A-Window 4 Frame	Wood	White			0.00		
	↓	↓ 4	Vinyl	↓			0.00		
	↓	A-Wall	Drywall	Tan			0.13		
	Bedroom #1	A-Window 5 Frame	Wood	White			0.00		
	↓	↓ 5	Vinyl	↓			0.00		
	↓	A-Wall	Wood	Varnish	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 91- 180 Highland Ave Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature:

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bath #2	A-Window 6	Vinyl	White	Intact	Ø	0.00	N/A	Negative
	↓	A Wall	Ceramic	Beige	↓	↓	013	↓	↓
	Office	A-Window 7 Frame	Wood	Varnish			0.00		
		↓ 7	Vinyl	White			0.00		
		B-Window 8 Frame	Wood	Varnish			0.00		
		↓ 8	Vinyl	White			0.00		
		A-Wall	Drywall	Green			0.00		
	↓	B Wall	↓	↓			0.08	↓	
	Bedroom #2	B-Window 9 Frame	Wood	White			000		
	↓	↓ 9	Vinyl	↓			0.00		
		B-Wall	Drywall	Gray			0.00		
		C-Window 10 Frame	Wood	White			0.00		
		↓ 10	Vinyl	↓			0.00		
	↓	C-Wall	Drywall	Gray	↓	↓	0.00		
	Living Room	C-Window 11 Frame	Wood	White			0.06		
	↓	11 S.1	↓	↓			0.06		
		↓ 11	Wood	↓			0.05		
	↓	C-Wall	Drywall	Blue	↓	↓	0.13	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 91-180 Highland Ave Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: [signature]

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Living Room	B-Door A Frame	Wood	White	Intact	Ø	0.00	N/A	Negative
	↓	↓ 4 Jamb ↓	↓	Tan	↓	↓	0.00	↓	↓
	↓	↓ A	Metal	White	↓	↓	0.00	↓	↓
	↓	B-Wall	Drywall	Blue	↓	↓	0.08	↓	↓
	Exterior C	Window 11 Int Frame	Wood	White	↓	↓	1.67	↓	Positive
	↓	↓ 11 Frame	Metal	↓	↓	↓	0.00	↓	Negative
	↓	↓ 11 Sill	Wood	↓	↓	↓	0.18	↓	↓
	↓	↓ 11 Sill	Metal	↓	↓	↓	0.00	↓	↓
	↓	↓ 10 Sill	Concrete	↓	↓	↓	0.00	↓	↓
	↓	↓ 10 Frame	Wood	↓	↓	↓	0.03	↓	↓
	↓	↓ 10	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	Door A Frame	Wood	↓	↓	↓	0.00	↓	↓
	↓	↓ Frame	Metal	↓	↓	↓	0.00	↓	↓
	↓	↓ Frame	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	↓	Metal	↓	↓	↓	0.00	↓	↓
	Exterior D	D-Window 1 Sill	Wood	↓	↓	↓	0.00	↓	↓
	↓	↓ 1 Sill	Concrete	↓	↓	↓	0.00	↓	↓
	↓	↓ 1	Vinyl	↓	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 91-180 Highland Ave Inspection Date: 4/10/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior D	Window 2 Sill	Wood	White	Intact	Ø	0.00	N/A	Negative
	↓	2 Sill	Concrete	↓	↓	↓	0.00	↓	↓
	↓	2	Vinyl	↓	↓	↓	0.00	↓	↓
	Exterior A	Door C Frame	Metal	↓	↓	↓	0.00	↓	↓
	↓	Door C	Metal	↓	↓	↓	0.00	↓	↓
	↓	Window 3 Frame	Wood	↓	↓	↓	0.00	↓	↓
	↓	3 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	3 Sill	Concrete	↓	↓	↓	0.00	↓	↓
	↓	3	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	Window 4 Frame	Wood	↓	↓	↓	0.00	↓	↓
	↓	4 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	4 Sill	Concrete	↓	↓	↓	0.00	↓	↓
	↓	4	Vinyl	↓	↓	↓	0.00	↓	↓
	↓	5 Frame	Wood	↓	↓	↓	0.00	↓	↓
	↓	5 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	5 Sill	Concrete	↓	↓	↓	0.00	↓	↓
	↓	5	Vinyl	↓	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 91-180 Highland Ave Inspection Date: 4/10/2026 XRF File #:

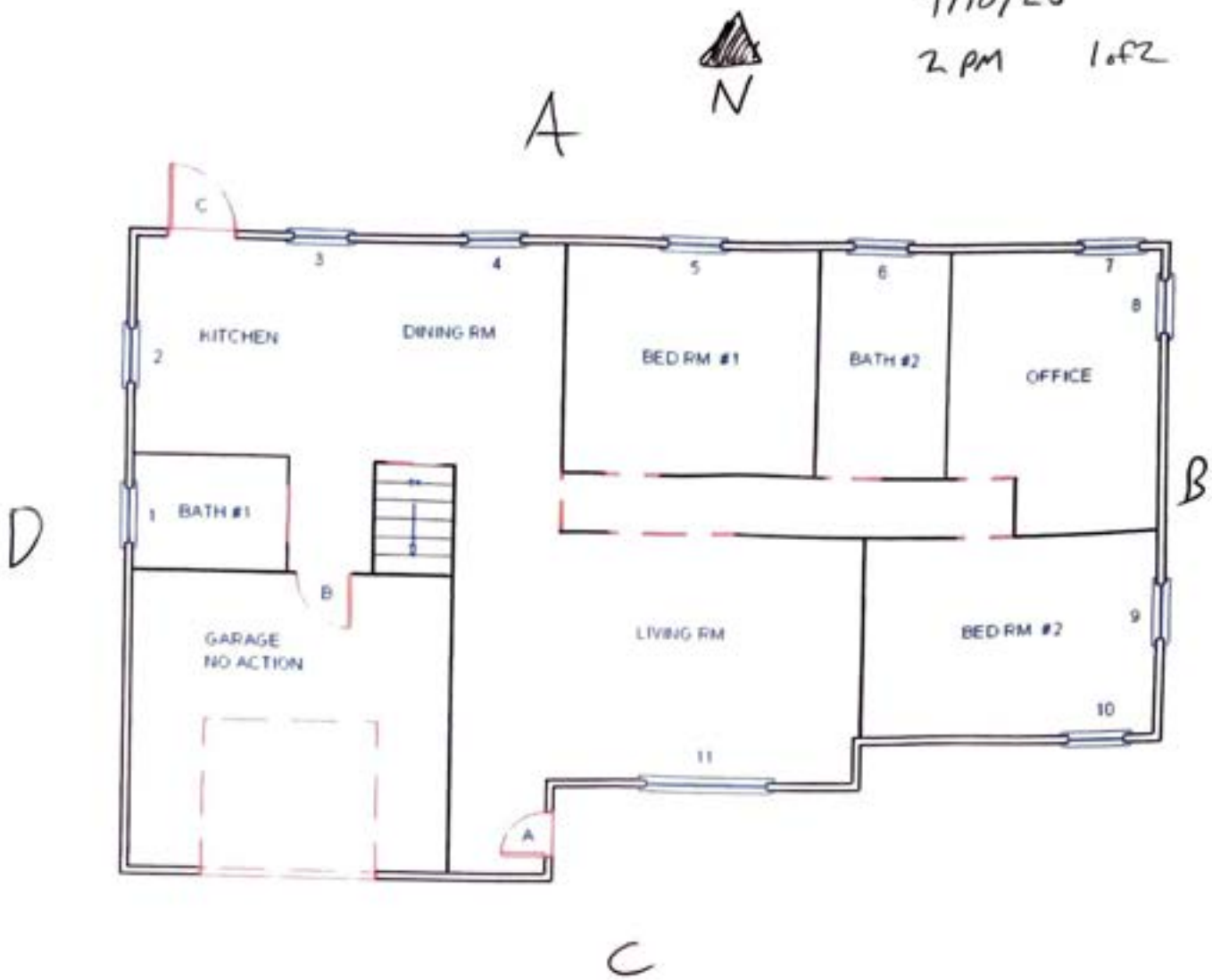
Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior A.	Window 6	Frame Wood	white	Intact	0	0.00	N/A	Negative
	↓	6 Sill	↓	↓	↓	↓	0.00	↓	↓
		6 Sill	Concrete				0.00		
		6	Vinyl				0.00		
		7 Frame	wood				0.00		
		7 Sill	↓				0.00		
		7 Sill	Concrete				0.00		
	↓	7	Vinyl				0.00		
	Exterior B	8 Frame	wood				0.00		
	↓	8 Sill	↓				0.00		
		8 Sill	Concrete				0.00		
		8	Vinyl				0.00		
		9 Frame	Wood				0.00		
		9 Sill	↓				0.00		
		9 Sill	Concrete				0.00		
	↓	9	Vinyl	↓	↓	↓	0.00	↓	↓
	Post Calibration	—	—	—	—	—	1.02, 1.01, 0.99	—	Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

4/10/26
2 PM 1 of 2



Salinas

91 - 180 Highland Ave

4/10/26
2pm
2 of 2



Salinas
91- 180 Highland Ave.

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **107 Meadowbrook Lane**

Phase: **4**

PPN: **99**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] Replace bathroom fan(s) and/or fanlight(s) with new unit(s). Terminate exhaust ductwork at exterior of home with exterior hood/rain cap. (Bath #1)

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO

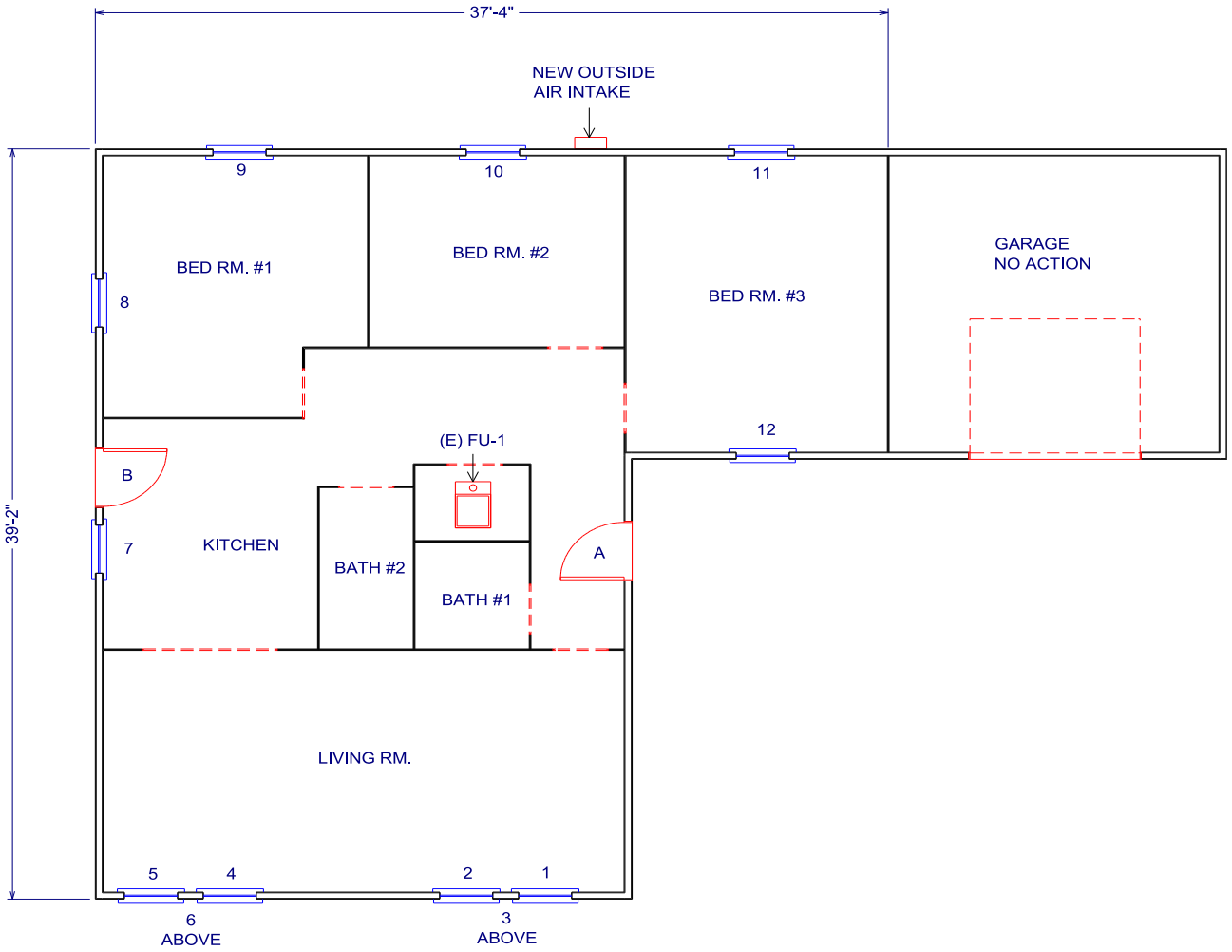


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**99**
Address:	**107 Meadowbrook Lane**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase:	**4**
PPN:	**99**
Address: **107 Meadowbrook Lane**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	35	53	DH	DH		VL	VL		2.1	
2	35	53	DH	DH		VL	VL		2.1	
3	72	22	FX	FX		VL	VL		2.1	CUSTOM POLYGON SHAPE.
4	35	53	DH	DH		VL	VL		2.1	
5	35	53	DH	DH		VL	VL		2.1	
6	72	22	FX	FX		WD	VL		2.1	CUSTOM POLYGON SHAPE.
7	55	26	SL	SL		VL	VL		2.1	
8	65	27	SL	SL		VL	VL		2.1	
9	72	27	SL	SL		VL	VL		2.1	
10	72	27	SL	SL		VL	VL		2.1	
11	73	27	SL	SL		VL	VL		2.1	
12	72	28	SL	SL		VL	VL		2.1	TEMPERED GLASS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

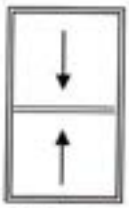
	Phase: **4**
	PPN: **99**
Address: **107 Meadowbrook Lane**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Window Elevations

PPN# 99

QUIETERHOME PROGRAM

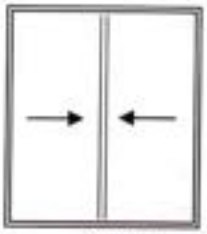
List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

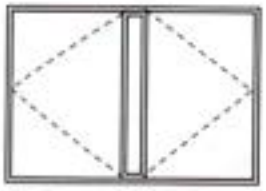
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Location

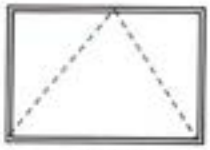
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CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

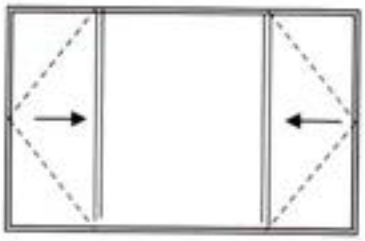
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

☐ Bay
☐ Bow
☐ Other _____

Location



☐ SL – FX – SL
☐ CS – FX – CS

Configuration: _____

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL TOP SASH ONLY



DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☑ All windows to be replaced in kind

☐ Exceptions noted in field indicated above

Teramani 5-5-26

Homeowner Date

PHASE 4 PPN 99
TERAMANI
107 MEADOWBROOK LN

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	DECK AT SILL. RELOCATE EXISTING DOORBELL.
B	32	80	YES	YES	YES	NO	NO	STANDARD	20	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**	PPN: **99**
Address: **107 Meadowbrook Lane**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 99

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☒ Fiberglass
- ☐ Steel
- ☐ Wood
- ☒ Peep Hole

Door A

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☒ Fiberglass
- ☐ Steel
- ☐ Wood

Door B

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☐ Fiberglass
- ☐ Wood

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 99
TERAMANI
107 MEADOWBROOK LN

I have reviewed the Style selections on this sheet and understand these to be final.

Teramani 5.5.26

Homeowner Date

Rev. 02/24

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

PPN# 99

S1



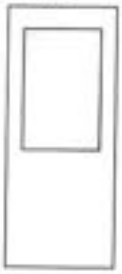
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S2



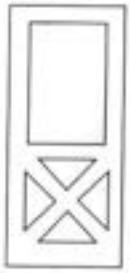
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S3



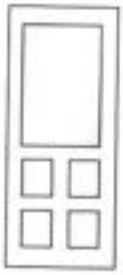
Location

S4



Location

S5



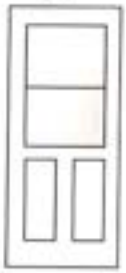
Location

S6



Location

S7



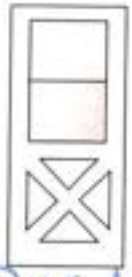
Location

S8



Location

S9



Door A, B

Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 99
TERAMANI
107 MEADOWBROOK LN

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Teramani 5-5-26

Homeowner Date

Rev. 02/21

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27281

RE: Limited Asbestos & Lead Inspections
99 Teramani
107 Meadowbrook Ln
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 107 Meadowbrook Ln, Wheeling, Illinois 60090.

The findings of the attached reports showed Nine(9) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Seventy-three(73) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **393 Meadowbrook Lane**

Phase: **4**

PPN: **113**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO

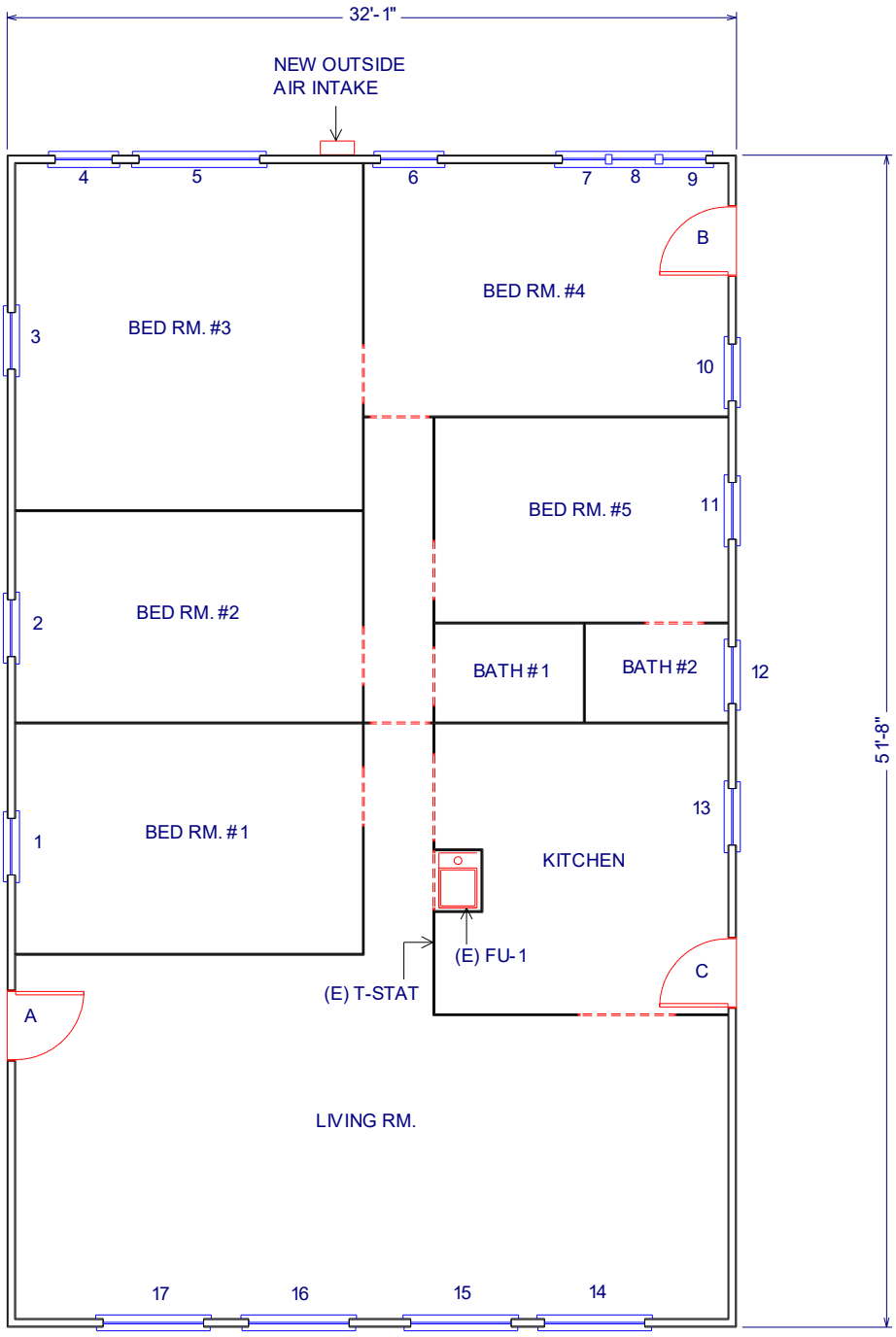


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**113**
Address:	**393 Meadowbrook Lane**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **113**
Address: **393 Meadowbrook Lane**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	27	SL	SL		AL	VL	COL	2.1	TEMPERED GLASS.
2	72	27	SL	SL		AL	VL	COL	2.1	TEMPERED GLASS.
3	48	27	SL	SL		AL	VL	COL	2.1	TEMPERED GLASS.
4	20	52	DH	DH		WD	VL	COL	2.1	TEMPERED GLASS.
5	52	52	FX	FX		WD	VL	COL	2.1	
6	20	20	CS	CS		WD	VL	COL	2.1	OCTAGON. OPERABLE.
7	20	52	DH	DH		WD	VL	COL	2.1	
8	52	52	FX	FX		WD	VL	COL	2.1	
9	20	52	DH	DH		WD	VL	COL	2.1	
10	48	27	SL	SL		AL	VL	COL	2.1	
11	72	27	SL	SL		AL	VL	COL	2.1	
12	36	27	SL	SL		AL	VL	COL	2.1	OPAQUE GLASS. TEMPERED GLASS.
13	48	27	SL	SL		AL	VL	COL	2.1	
14	55	48	FX	FX		WD	VL	COL	2.1	TEMPERED GLASS.
15	55	48	FX	FX		WD	VL	COL	2.1	TEMPERED GLASS.
16	55	48	FX	FX		WD	VL	COL	2.1	TEMPERED GLASS.
17	55	48	FX	FX		WD	VL	COL	2.1	TEMPERED GLASS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **113**

Address: **393 Meadowbrook Lane**

Revised:

Town: **Wheeling**

C&S COMPANIES®

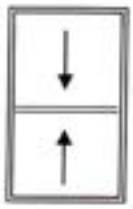
QuieterHome® Program

PPN# 113

QUIETERHOME PROGRAM

Window Elevations

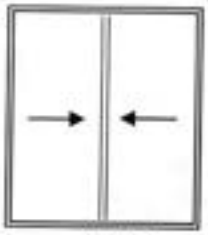
List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

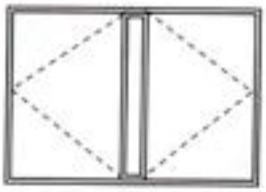
Location

Location

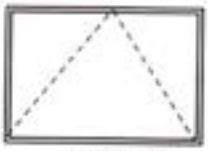
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

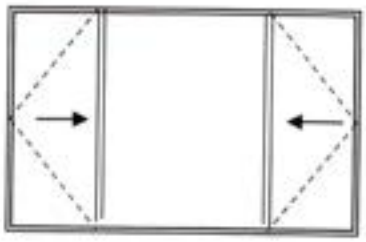
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

☐ Bay
☐ Bow
☐ Other _____

Location



☐ SL – FX – SL
☐ CS – FX – CS

Configuration: _____

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL TOP SASH ONLY | DIAMOND | DIAMOND TOP SASH ONLY

all

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind
☐ Exceptions noted in field indicated above

PHASE 4 PPN 113
AMARO
393 MEADOWBROOK LN

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	78	YES	YES	YES	NO	NO	STANDARD	20	LEVER HANDLE.
B	32	78	YES	YES	YES	NO	NO	STANDARD	20	
C	32	78	YES	YES	YES	NO	NO	STANDARD	20	LEVER HANDLE.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 113
Address: **393 Meadowbrook Lane**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 113

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood

Door A

Location

P7



- ☐ Fiberglass
- ☒ Wood

Door B, C

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 113
AMARO
393 MEADOWBROOK LN

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/24

QUIETERHOME PROGRAM

PPN# 113

Exterior Storm Door Style Selections

S1



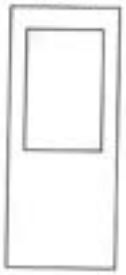
Location

S2



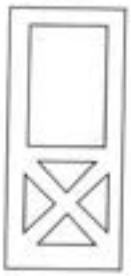
Location

S3



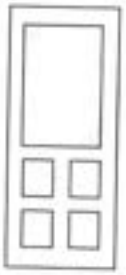
Location

S4



Location

S5



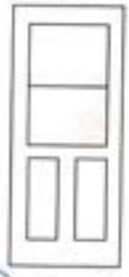
Location

S6



Location

S7



Doors A, B, C

Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 113
AMARO
393 MEADOWBROOK LN

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/21

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27281

RE: Limited Asbestos & Lead Inspections
113 Amara
393 Meadowbrook
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 393 Meadowbrook, Wheeling, Illinois 60090.

The findings of the attached reports showed ten(10) samples were analyzed for asbestos content with Two (2) samples found to contain asbestos >1% asbestos.

One Hundred-four (104) shots were taken for lead and Nine (9) locations detected lead. (A-Door A Jamb, Window 14 Trim, Window 11 Trim, Window 3 Frame, Window 2 Frame, Window 1 Frame, Door A Frame, Window 16/17 Transition, Window 16 Vertical Frame)

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#113 Amaro
393 Meadowbrook Lane
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 6, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27281

RE: Limited Asbestos Inspection
#113
393 Meadowbrook
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 393 Meadowbrook Wheeling, Illinois 60090. Ten (10) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. Two samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

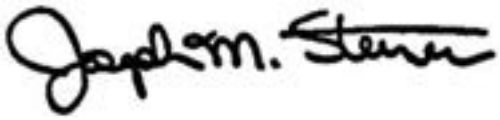
Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447
Reviewed by,

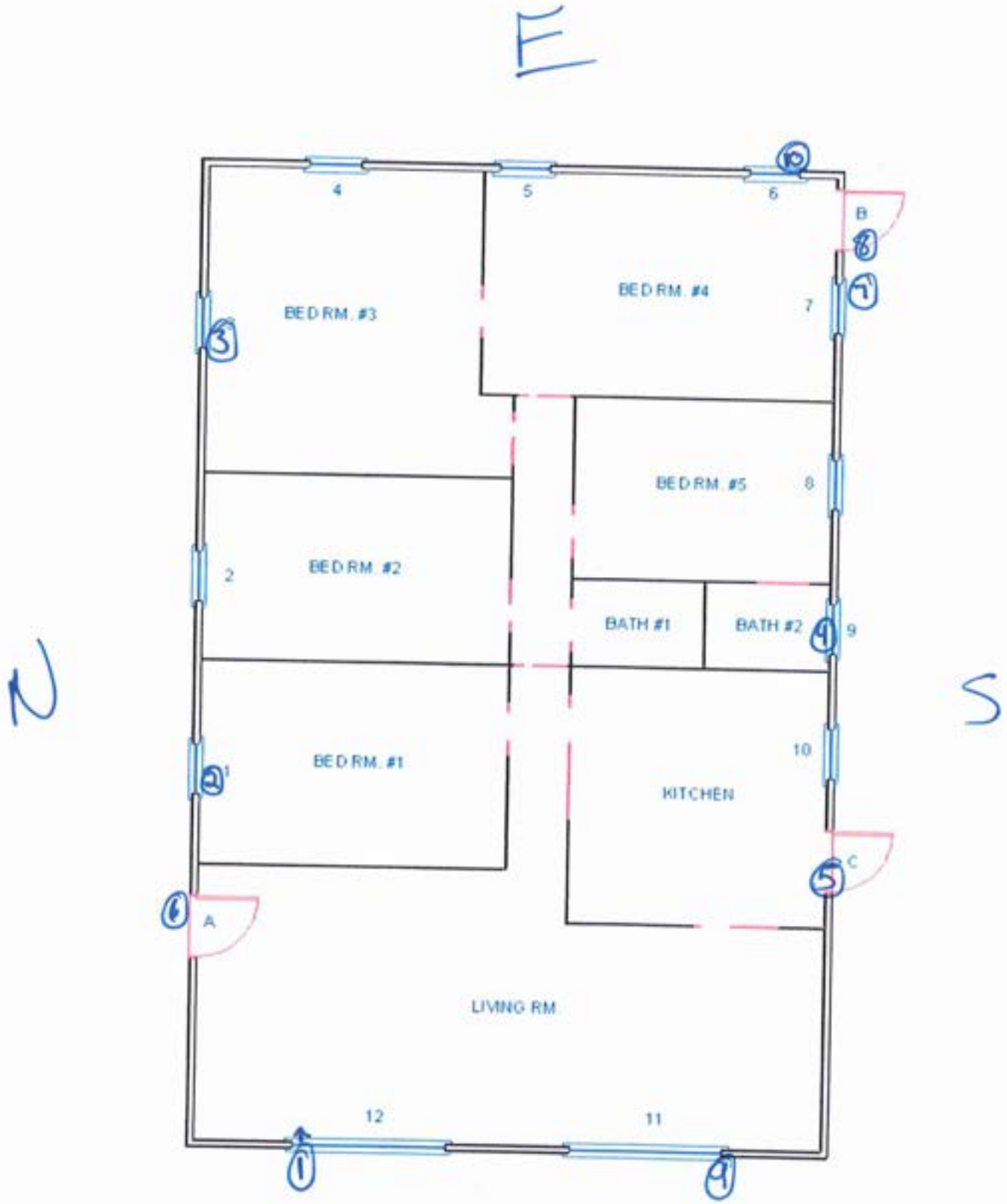
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27281-04-0601	Interior White Paint Front Windows	Good	No	High	None Detected
27281-04-0602	Interior Black Bead Bedroom #1 Window	Good	No	High	None Detected
27281-04-0603	Interior Black Bead Bedroom #2	Good	No	High	None Detected
27281-04-0604	Interior White Paint Bathroom Window	Good	No	High	None Detected
27281-04-0605	Interior Door Caulk White	Good	No	High	None Detected
27281-04-0606	Exterior White Door Paint	Good	No	High	None Detected
27281-04-0607	**Exterior White Door Caulk**	**Good**	**No**	**High**	**1.5% Chrysotile**
27281-04-0608	Exterior White Door Caulk	Good	No	High	None Detected
27281-04-0609	**Exterior Front Window Caulk**	**Good**	**No**	**High**	**1.5% Chrysotile**
27281-04-0610	Extrior Grey Window Glazing	Good	No	Low	<1 % Chrysotile


E
N
S
W
BED RM. #3
BED RM. #4
BED RM. #5
BED RM. #2
BED RM. #1
BATH #1
BATH #2
KITCHEN
LIVING RM.
A
B
C
1
2
3
4
5
6
7
8
9
10
11
12

Amaro

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 08, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27281
JMS Batch: 38396

Re: Bulk Asbestos Analyses of sample(s) received 4/6/2026.
#113 Amaro 393 Meadowbrook Ln - #113

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 µm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #113 Amaro 393 Meadowbrook Ln
Client Project Ref: - #113

Project Number: J-27281
Work Order: 38291
Batch Number: 38396

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392585	--	27281-04-0601	Heterogeneous White, Tan Caulking	--	--	--	<1	--	--
392586	--	27281-04-0602	Homogeneous Grey Caulking	---NON-FIBROUS---					
392587	--	27281-04-0603	Homogeneous Grey Caulking	--	--	--	<1	--	--
392588	--	27281-04-0604	Homogeneous White Caulking	--	--	--	<1	--	--
392589	--	27281-04-0605	Heterogeneous Tan, White Caulking	--	--	--	<1	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 08, 2026

JMS031.BulkRpt 01/2023

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #113 Amaro 393 Meadowbrook Ln
Client Project Ref: - #113

Project Number: J-27281
Work Order: 38291
Batch Number: 38396

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392590	--	27281-04-0606	Heterogeneous White Paint	---NON-FIBROUS---					
392591	--	27281-04-0607	Heterogeneous White, Grey Paint	1.5	--	--	<1	--	--
392592	--	27281-04-0608	Heterogeneous White, Grey Paint	---NON-FIBROUS---					
392593	--	27281-04-0609	Heterogeneous White, Grey Paint	1.5	--	--	--	--	--
392594	--	27281-04-0610	Heterogeneous White, Grey Caulking	<1	--	--	--	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 08, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27281

P.O. No:

CLIENT:	C& S Companies	CONTACT:	Penny Merritt	REPORT TO:	C&S Companies
PROJECT:	#113 393 Meadowbrook	PHONE:	(713) 213 - 9790		204 Industrial Lane
TAT:	24 HR ____ DAY	FAX:	( ) -		Wheeling, IL 60090
Results Needed by:		EMAIL:	pmerritt@cscos.com		

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27281-04-0601	4/6/26	9:00	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27281-04-0602			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0603			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0604			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0605			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0606			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0607			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0608			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0609			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27281-04-0610			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:	[signature]	Date:	4/6/26	Time:	9:00
Relinquished By:	[signature]	Date:	4/6/26	Time:	11:45
Received By:	[signature]	Date:	4/6/26	Time:	6009
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

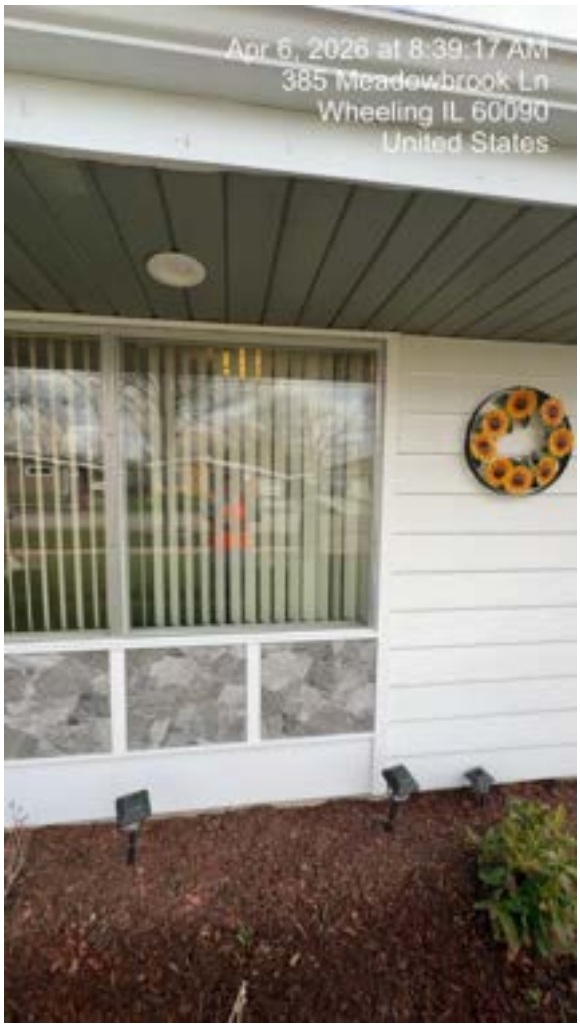
Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE




Apr 6, 2026 at 8:32:47 AM
385 Meadowbrook Ln
Wheeling IL 60090
United States


Apr 6, 2026 at 8:34:42 AM
385 Meadowbrook Ln
Wheeling IL 60090
United States


Apr 6, 2026 at 8:39:17 AM
385 Meadowbrook Ln
Wheeling IL 60090
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

113-393 Meadowbrook Lane
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 6, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family home consisting of one floor with 5 bedrooms with a total of 18 windows and 3 doors. Each individual room was made up of gypsum (drywall) walls and ceilings. The windows and doors scheduled for replacement were made up of vinyl components with wooden frames in the interior and vinyl and metal on the exterior, where present. The exterior walls are primarily wood siding.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.03
					OK	0.95
					OK	0.95
113-393 Meadowbrook Lane						
Kitchen	C-Door C Frame	Wood	White	Intact	0.17	Negative
Kitchen	C-Door C Jamb	Wood	White	Intact	0.00	Negative
Kitchen	C-Door C	Wood	White	Intact	0.00	Negative
Kitchen	C-Wall	Drywall	White	Intact	0.02	Negative
Kitchen	C-Window 14 Frame	Wood	Varnish	Intact	0.02	Negative
Kitchen	C-Window 14 Sill	Wood	Varnish	Intact	0.02	Negative
Kitchen	C-Window 14	Wood	Varnish	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Kitchen	C-Wall	Ceramic	White	Intact	0.00	Negative
Bathroom 2	C-Window 13 Frame	Wood	White	Intact	0.00	Negative
Bathroom 2	C-Window 13 Sill	Wood	White	Intact	0.00	Negative
Bathroom 2	C-Window 13	Metal	White	Intact	0.00	Negative
Bathroom 2	C-Wall	Ceramic	White	Intact	0.00	Negative
Bedroom 5	C-Window 12 Frame	Wood	White	Intact	0.00	Negative
Bedroom 5	C-Window 12 Sill	Wood	White	Intact	0.00	Negative
Bedroom 5	C-Window 12	Metal	White	Intact	0.00	Negative
Bedroom 5	C-Wall	Drywall	Pink	Intact	0.00	Negative
Bedroom 4	C-Window 11 Frame	Wood	White	Intact	0.00	Negative
Bedroom 4	C-Window 11 Sill	Wood	White	Intact	0.00	Negative
Bedroom 4	C-Window 11	Metal	White	Intact	0.00	Negative
Bedroom 4	C-Door B Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	C-Door B Jamb	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	C-Door B	Wood	Varnish	Intact	0.00	Negative
Bedroom 4	C-Wall	Wood	Beige	Intact	0.00	Negative
Bedroom 4	B-Window 10 Frame	Wood	White	Intact	0.00	Negative
Bedroom 4	B-Window 10 Sill	Wood	White	Intact	0.00	Negative
Bedroom 4	B-Window 10	Wood	White	Intact	0.00	Negative
Bedroom 4	B-Wall	Wood	Beige	Intact	0.00	Negative
Bedroom 4	B-Window 9 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 6 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 6 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 6	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Wall	Wood	Blue	Intact	0.00	Negative
Bedroom 3	A-Window 3 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	A-Window 3 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 2	A-Window 2 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	A-Window 2	Wood	White	Intact	0.00	Negative
Bedroom 2	A-Wall	Drywall	Blue	Intact	0.00	Negative
Bedroom 1	A-Window 1 Frame	Wood	White	Intact	0.00	Negative
Bedroom 1	A-Window 1 Sill	Wood	White	Intact	0.00	Negative
Bedroom 1	A-Wall	Drywall	Beige	Intact	0.00	Negative
Living Room	A-Door A Frame	Wood	White	Intact	0.00	Negative
Living Room	**A-Door A Jamb**	**Wood**	**White**	**Intact**	**1.07**	**Positive**
Living Room	A-Door A	Wood	Varnish	Intact	0.00	Negative
Living Room	A-Wall	Drywall	Green	Intact	0.00	Negative
Living Room	D-Window 18 Frame	Wood	White	Intact	0.00	Negative
Living Room	D-Window 18 Sill	Wood	White	Intact	0.00	Negative
Living Room	D-Window 17 Frame	Wood	White	Intact	0.23	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Living Room	D-Window 17 Sill	Wood	White	Intact	0.23	Negative
Living Room	D-Window 16 Frame	Wood	White	Intact	0.02	Negative
Living Room	D-Window 16 Sill	Wood	White	Intact	0.02	Negative
Living Room	D-Window 15 Frame	Wood	White	Intact	0.02	Negative
Living Room	D-Window 15 Sill	Wood	White	Intact	0.02	Negative
Living Room	D-Wall	Drywall	Beige	Intact	0.00	Negative
Living Room	D-Window 15	Wood	White	Intact	0.01	Negative
Living Room	D-Window 16	Wood	White	Intact	0.01	Negative
Living Room	D-Window 17	Wood	White	Intact	0.01	Negative
Living Room	D-Window 18	Wood	White	Intact	0.01	Negative
Exterior C	Siding	Wood	White	Intact	0.43	Negative
Exterior C	Door C Frame	Vinyl	White	Intact	0.00	Negative
Exterior C	Door C	Metal	White	Intact	0.00	Negative
Exterior C	**Window 14 Trim**	**Wood**	**White**	**Intact**	**1.29**	**Positive**
Exterior C	Window 14 Sill	Wood	White	Intact	0.75	Negative
Exterior C	Window 13 Trim	Wood	White	Intact	0.32	Negative
Exterior C	Window 13	Metal	White	Intact	0.00	Negative
Exterior C	Window 13 Sill	Wood	White	Intact	0.03	Negative
Exterior C	Window 12 Trim	Wood	White	Intact	0.10	Negative
Exterior C	Window 12 Sill	Wood	White	Intact	0.86	Negative
Exterior C	**Window 11 Trim**	**Wood**	**White**	**Intact**	**1.36**	**Positive**
Exterior C	Window 11 Sill	Wood	White	Intact	0.13	Negative
Exterior C	Door B	Wood	Varnish	Intact	0.00	Negative
Exterior C	Door B Frame	Wood	White	Intact	0.35	Negative
Exterior B	Window 10 Frame	Wood	White	Intact	0.36	Negative
Exterior B	Window 9 Frame	Wood	White	Intact	0.58	Negative
Exterior B	Window 9 Sill	Wood	White	Intact	0.65	Negative
Exterior B	Window 8 Frame	Wood	White	Intact	0.03	Negative
Exterior B	Window 8 Sill	Wood	White	Intact	0.15	Negative
Exterior B	Window 7 Frame	Wood	White	Intact	0.00	Negative
Exterior B	Window 6 Frame	Wood	White	Intact	0.35	Negative
Exterior B	Window 5 Frame	Wood	White	Intact	0.32	Negative
Exterior B	Window 4 Frame	Wood	White	Intact	0.54	Negative
Exterior B	Window 6 Sill	Wood	White	Intact	0.33	Negative
Exterior B	Window 5 Sill	Wood	White	Intact	0.45	Negative
Exterior B	Window 4 Sill	Wood	White	Intact	0.03	Negative
Exterior A	**Window 3 Frame**	**Wood**	**White**	**Intact**	**1.54**	**Positive**
Exterior A	Window 3 Sill	Wood	White	Intact	0.88	Negative
Exterior A	**Window 2 Frame**	**Wood**	**White**	**Intact**	**1.15**	**Positive**
Exterior A	Window 2 Sill	Wood	White	Intact	0.62	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Exterior A	**Window 1 Frame**	**Wood**	**White**	**Intact**	**1.02**	**Positive**
Exterior A	Window 1 Sill	Wood	White	Intact	0.35	Negative
Exterior A	**Door A Frame**	**Wood**	**White**	**Intact**	**1.11**	**Positive**
Exterior D	Window 15 Frame	Wood	White	Intact	0.55	Negative
Exterior D	Window 16 Frame	Wood	White	Intact	0.45	Negative
Exterior D	Window 17 Frame	Wood	White	Intact	0.50	Negative
Exterior D	Window 18 Frame	Wood	White	Intact	0.51	Negative
Exterior D	**Window 16/17 Transition**	**Wood**	**White**	**Intact**	**1.65**	**Positive**
Exterior D	Window 16 Sill	Wood	White	Intact	0.62	Negative
Exterior D	**Window 16 Vertical Frame**	**Wood**	**White**	**Intact**	**1.22**	**Positive**
Bedroom 3	B-Window 9 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 8 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 8 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 8	Wood	White	Intact	0.00	Negative
Bedroom 3	B-Window 7 Sill	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 7 Frame	Wood	Varnish	Intact	0.00	Negative
Bedroom 3	B-Window 7	Wood	White	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings

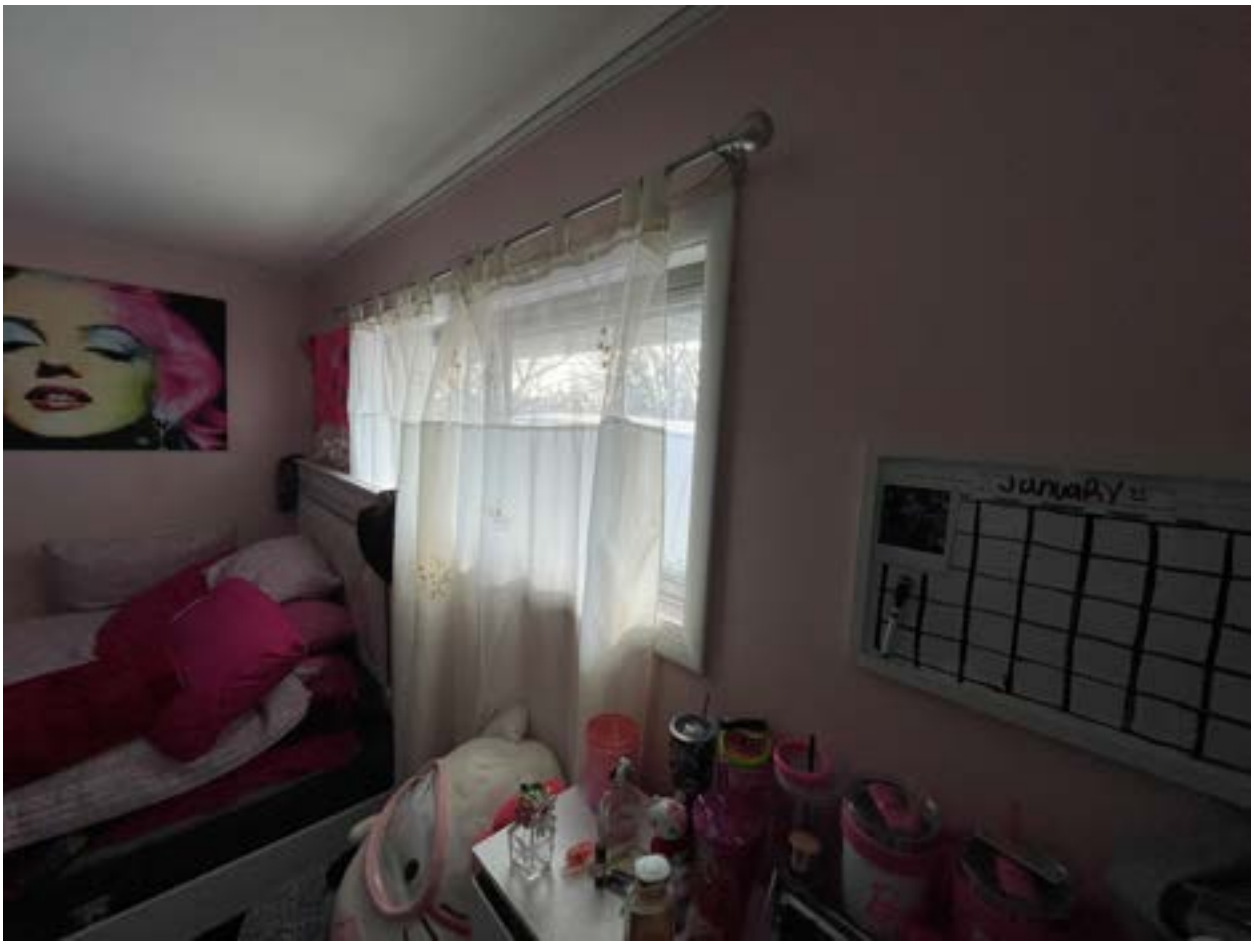






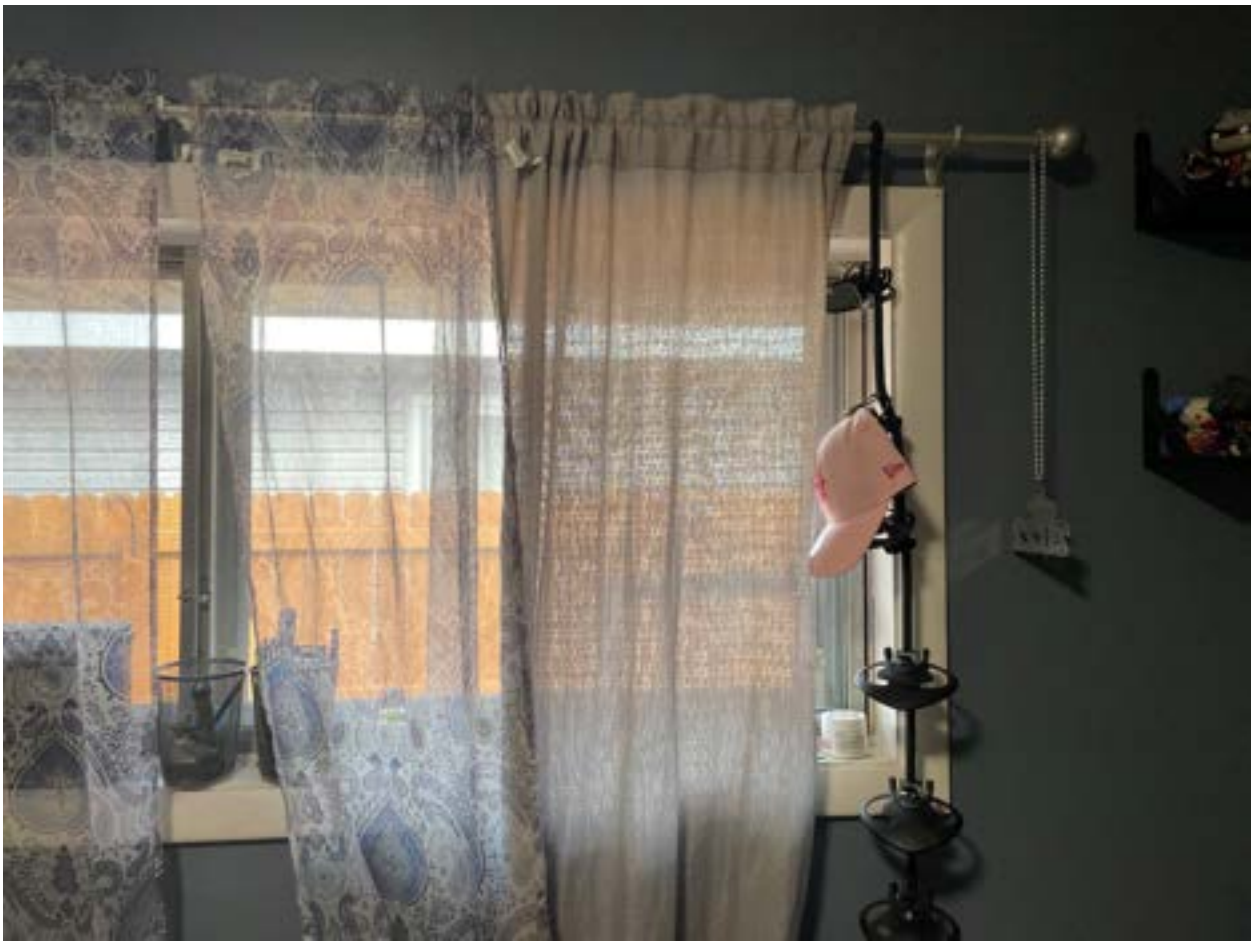





January








Southside


















393


393

Lead Based Paint Data Sheet

Building/Address: 113- 393 Meadowbrook LN Inspection Date: 4-6-2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Calibration							1.03, 0.95, 0.95	
	Kitchen	Door C Frame	Wood	White	Intact	Ø	0.17	Ø/17	Negative
		Jamb					0.00		
		C. Wall	Drywall				0.00		
		C. Window Frame 14	Wood	Varnish			0.02		
		14 5.1					0.02		
		14					0.00		
		C-Wall	Ceram. Tile	White			0.00		
	Bath 2	C Window 13 Frame	Wood	White			0.00		
		13 5.1	Wood				0.00		
		13	Metal				0.00		
		C-Wall	Ceramic				0.00		
	Bedroom #5	C-Window 12 Frame	Wood				0.00		
		12 5.1					0.00		
		12	Metal				0.00		
		C Wall	Drywall	Pink			0.00		

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Analysis.

Lead Based Paint Data Sheet

Building/Address: 113-393 Meadowbrook LN Inspection Date: 4-6-2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bedroom 4	Window 11-Frame	Wood	White	Intact	N/A	0.00	N/A	Negative
		11 Sill							
		11	Metal						
		E-Door B Frame	Wood	Varnish					
		Jamb							
		C Wall	Wood	Beige					
		B Window 10 Frame	Wood	White					
		10 Sill							
		10							
		B- Wall	Wood	Beige					
		B-Window 9 Frame	Wood	Varnish					
	Bedroom 3	A Window 6 Frame	Wood	Varnish					
		6 Sill							
		6							
		B-Wall		Blue					
		A-Window 3 Frame	Wood	Varnish					
		Sill							
		Window Not Painted		Aluminum					

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 113-393 Meadow brook Ln Inspection Date: 4-6-26 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Bedroom 2	A-Window Frame	Wood	White	Intact	N/A	0.00	N/A	Negative
	↓	2 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	A-Wall	Drywall	Blue	↓	↓	0.00	↓	↓
	Bedroom 1	A-Window Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	1 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	A-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Living Rm	A-Door Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	Jamb	↓	↓	↓	↓	1.07	↓	Positive
	↓	↓	↓	Varnish	↓	↓	0.00	↓	Negative
	↓	A-Wall	Drywall	Green	↓	↓	0.00	↓	↓
	↓	D-Window 18 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	18 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	17 Frame	↓	↓	↓	↓	0.23	↓	↓
	↓	17 Sill	↓	↓	↓	↓	0.23	↓	↓
	↓	16 Frame	↓	↓	↓	↓	0.02	↓	↓
	↓	16 Sill	↓	↓	↓	↓	0.02	↓	↓
	↓	15 Frame	↓	↓	↓	↓	0.02	↓	↓
	↓	15 Sill	↓	↓	↓	↓	0.02	↓	↓
	↓	D-Wall	Drywall	Beige	↓	↓	0.00	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 113-393 Meadowbrook LN. Inspection Date: 4-6-26 XRF File #:

Functional Space: Inspector: Kenneth Kaculin License #: L-04544

XRF Serial #: 02535 XRF Instrument: ~~Niton~~ SciAps Inspector's Signature: Kenneth Kaculin

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Living Rm	D-Window 15 Lower	Wood	White	Intact	N/A	0.01	N/A	Negative
		16							
		17							
		18							
	Exterior C	Siding	Wood	White	Intact		0.43		
		Door C Frame	Vinyl				0.00		
			metal				0.00		Positive
	C	Window 14 Trim	Wood	White			1.29		Negative
		Sill					0.75		
		13 Trim					0.32		
			Metal				0.00		
		Sill	Wood				0.03		
		12 Trim	Wood				0.00		
		Sill					0.86		
		11 Trim					1.36		Positive
		Sill					0.13		Negative
	C	Door B	Wood	Varnish			0.00		
		Frame		White			0.35		

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 113 - 393 Meadowbrook Ln Inspection Date: 4-6-26 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior B	Window 10 Frame	Wood	White	Intact	Ø	0.36	N/A	Negative
		9 Frame					0.58		
		9 Sill					0.65		
		8 Frame					0.03		
		8 Sill					0.15		
		7 Frame					0.00		
		6					0.35		
		5					0.32		
		4					0.54		
		6 Sill					0.33		
		5					0.45		
		4					0.03		
	Exterior A	Window 3 Frame	Wood	White			1.54		Positive
		Sill					0.88		Negative
		Window 2 Frame					1.15		Positive
		Sill					0.62		Negative
		Window 1 Frame					1.02		Positive
		Sill					0.35		Negative
		Door A Frame					1.11		Positive

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

Lead Based Paint Data Sheet

Building/Address: 113-393 Meadowbrook LN Inspection Date: 4-6-2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

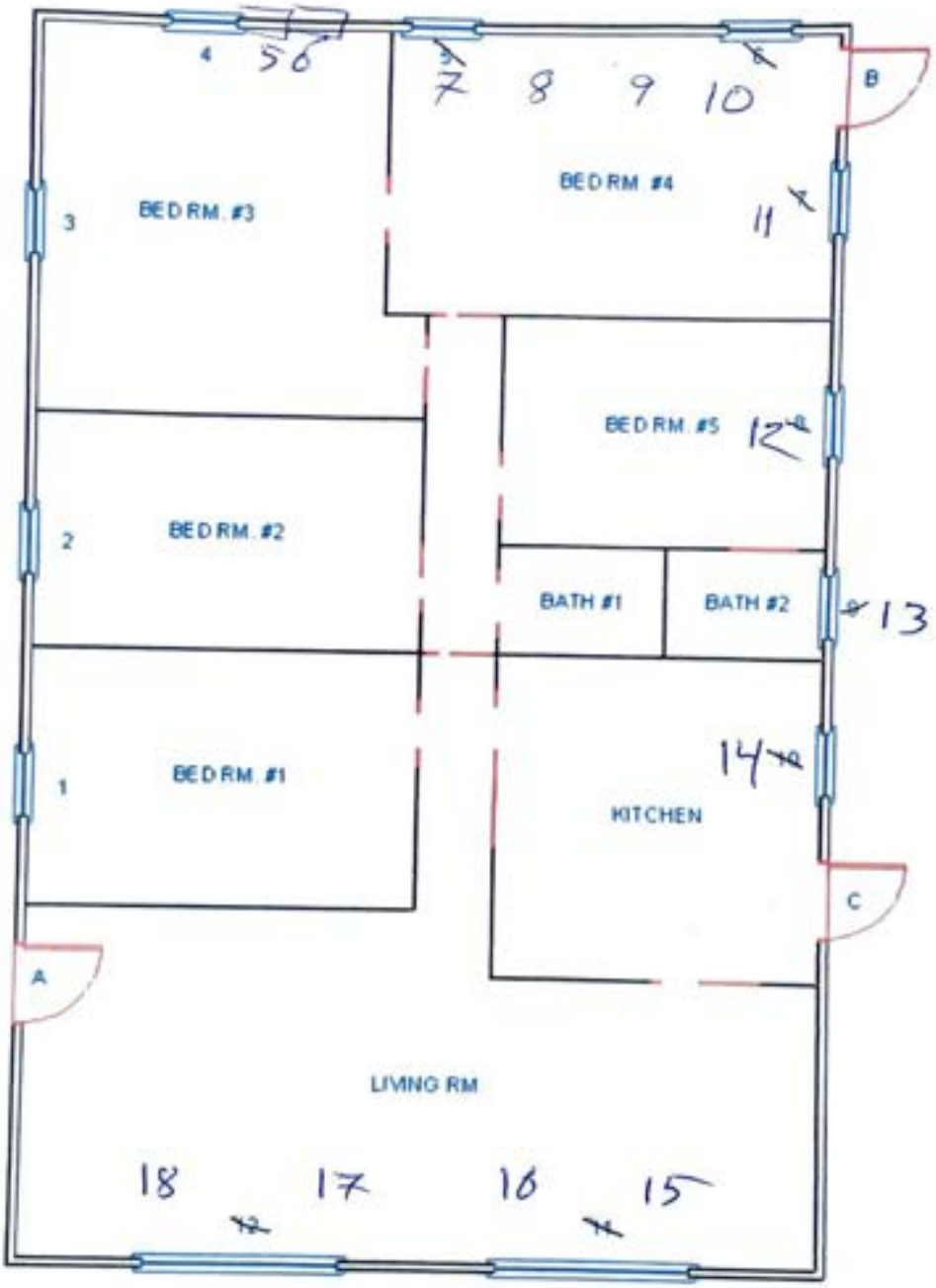
Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Exterior D	Window Frame	Wood	White	Fair	Ø	0.55	NA	Negative
		16					0.45		
		17					0.50		
		16					0.51		
		16/17 Transition	Wood	White			1.65	N/A	Positive
		Sill					062		Negative
		Vertical Frame					1.22		Positive
	Bedroom 3	B-Window 9 Sill	Wood	Varnish			0.00		Negative
		B-Window 8 Frame					0.00		
		8 Sill					0.00		
		8	Wood	White			0.00		
		B-Window 7 Sill		Varnish			0.00		
		7 Frame					0.00		
		7		White			0.00		
	Post Calibration						1.02, 1.00, 1.01		Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laborator Analysis.

N

4/6/2026
8 AM

B



A

C

D

Amaro

113 - 393 Meadowbrook LN

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **428 Stone Place**

Phase: **4**

PPN: **185**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.
[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.
[ ] Provide sealant around interior and exterior perimeter of all windows and doors.
[ ] Provide new exterior brake metal at all window replacement locations.
[ ] Replace existing doors with new prime doors and storm doors as scheduled.
[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".
[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.
[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.
[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.
[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.
[ ] Basement floor is finished with tile
[ ] Basement walls are finished with GWB.
[ ] Basement ceiling is finished with GWB.

PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**185**
Address:	**428 Stone Place**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



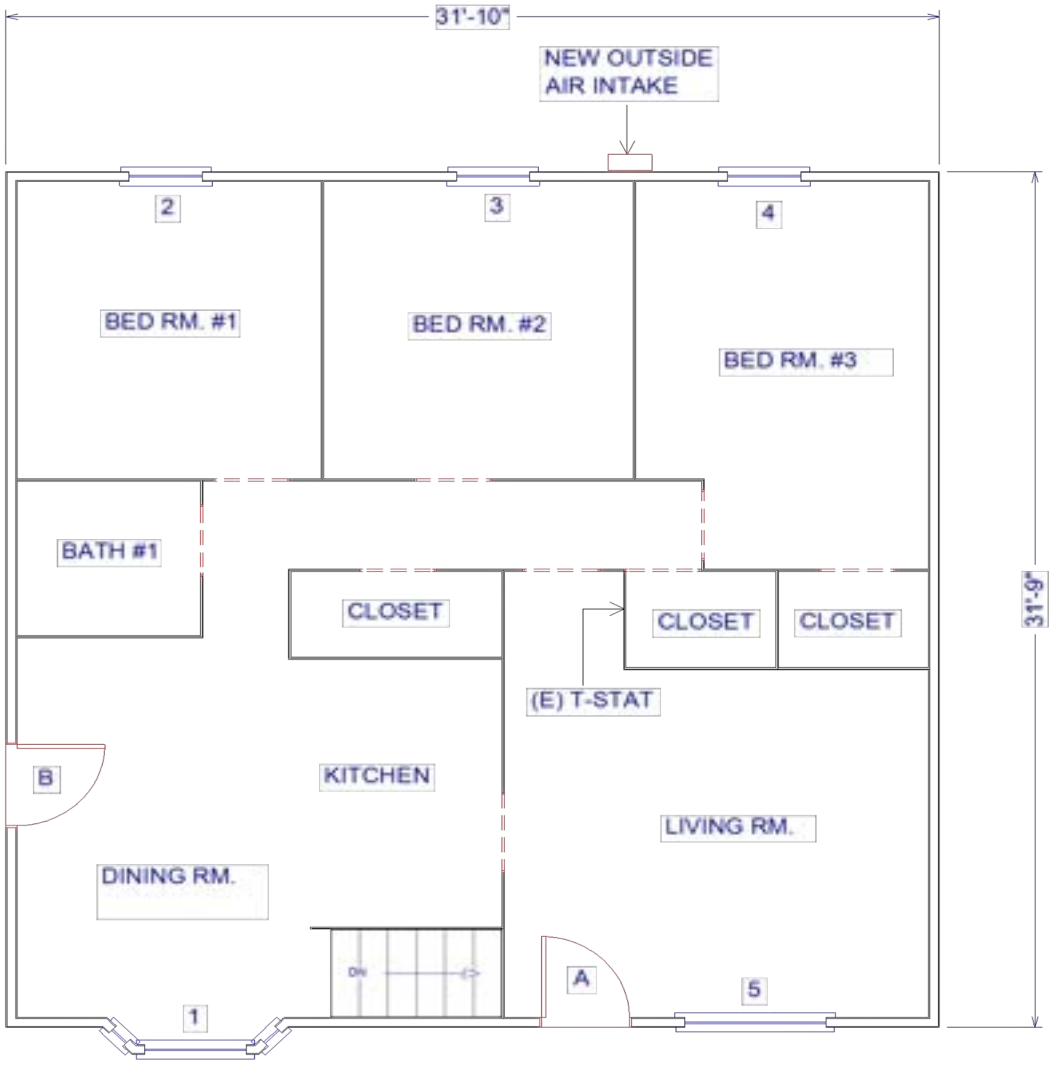
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **185**
Address: **428 Stone Place**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **185**
Address: **428 Stone Place**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	69	55	BOW	BOW		WD	VL		9.0	TEMPERED GLASS. 1-1-1 CONFIGURATION. FX/AWN-FX-FX/AWN. BOTTOM PORTION OF BOTH ENDS ARE AWNINGS. 10"
2	67	32	SL	SL		VL	VL		2.1	
3	66	32	SL	SL		VL	VL		2.1	
4	66	32	SL	SL		VL	VL		2.1	
5	94	69	DH-FX-DH	DH-FX-DH		VL	VL		2.1	TEMPERED GLASS. 1-2-1 CONFIGURATION.
6	32	19	SL	SL		AL	VL		2.1	TEMPERED GLASS.
7	32	19	SL	SL		AL	VL		2.1	TEMPERED GLASS.
8	32	19	SL	SL		AL	VL		2.1	TEMPERED GLASS.
9	32	19	SL	SL		AL	VL		2.1	TEMPERED GLASS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **185**

Address: **428 Stone Place**

Revised:

Town: **Wheeling**

C&S COMPANIES®

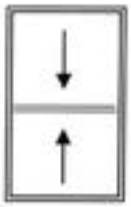
QuieterHome® Program

PPN# 185

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

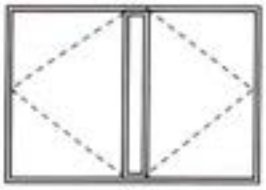
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Location

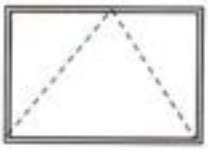
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

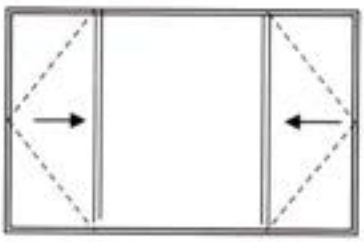
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other _____

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration: _____

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL TOP SASH ONLY | DIAMOND | DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind

☐ Exceptions noted in field indicated above

PHASE 4
GONZALEZ
428 STONE PL

PPN 185

Homeowner 05/07/21 Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	35	79	YES	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL. SECURITY STORM DOOR.
B	32	79	YES	YES	YES	NO	NO	STANDARD	20	LEVER HANDLE.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase:	PPN:
	4	**185**
Address: **428 Stone Place**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Wheeling**		

Exterior Prime Door Style Selections

PPN# 185

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☒ Wood

DOOR B

Location

P7



- ☐ Fiberglass
- ☒ Wood

DOOR A

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 185
GONZALEZ
428 STONE PL

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner 05/07/24 Date

Rev. 02/24

QUIETERHOME PROGRAM

PPN# 185

Exterior Storm Door Style Selections

S1



Location

S2



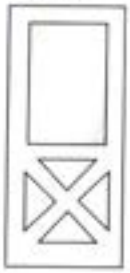
Location

S3



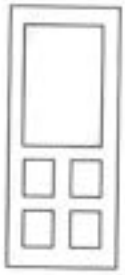
Location

S4



Location

S5



Location

S6



Door B

Location

S7



Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ X **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4
GONZALEZ
428 STONE PL
PPN 185

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner

05/07/26

Date

Rev. 02/21

QUIETERHOME PROGRAM

Exterior Security Storm Door Style Selections

PPN# 185

SS1

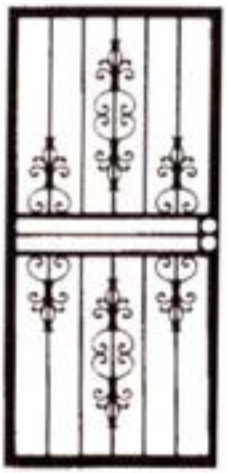


_____

_____

Location

SS2

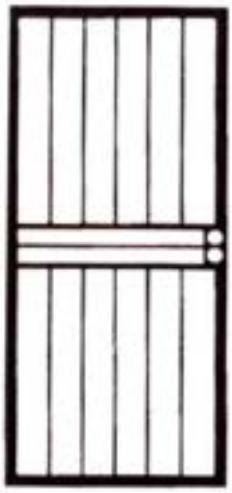


_____

_____

Location

SS3

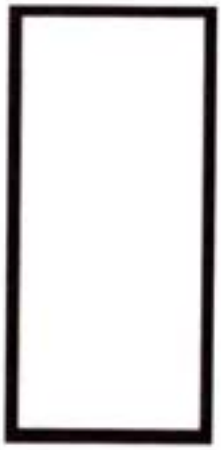


Door A

_____

Location

SS4

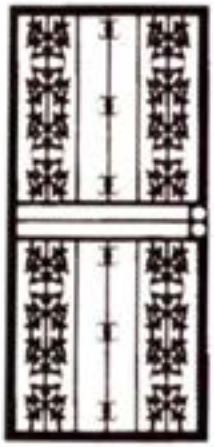


_____

_____

Location

SS5



_____

_____

Location

SECURITY STORM DOOR COLOR SELECTION:

☐ **WHITE** ☒ **BLACK**

SECURITY STORM DOOR HARDWARE:
Note: Hardware selection will be made at the measurement walk through visit with the contractor.
Polished Brass, Satin Nickel and Antique Brass

Round Top Available in All

Homeowner Label

PHASE 4 PPN 185
GONZALEZ
428 STONE PL

I have reviewed the Style and Color selections on this sheet and understand these to be final.

Homeowner 05/07/26 Date

Rev. 5/23

April 7, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27291

RE: Limited Asbestos & Lead Inspections
185 Gonzalez
428 Stone Place
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 428 Stone Place, Wheeling, Illinois 60090.

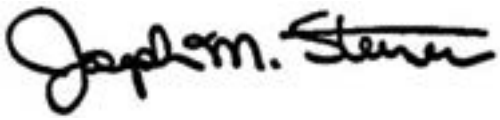
The findings of the attached reports showed six (6) samples were analyzed for asbestos content with Three (3) samples found to contain asbestos >1% asbestos.

Forty-nine (49) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#185 Gonzalez
428 Stone Place
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 7, 2026

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 7, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27291

RE: Limited Asbestos Inspection
#185 Gonzalez
428 Stone Place
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 428 Stone Place, Wheeling, Illinois 60090. Six (6) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. Three (3) were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

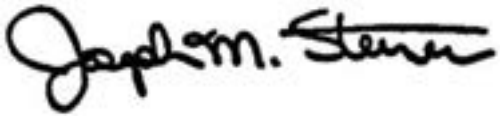
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph R. Sterner
Inspector
IDPH # 100-19790

Reviewed by,

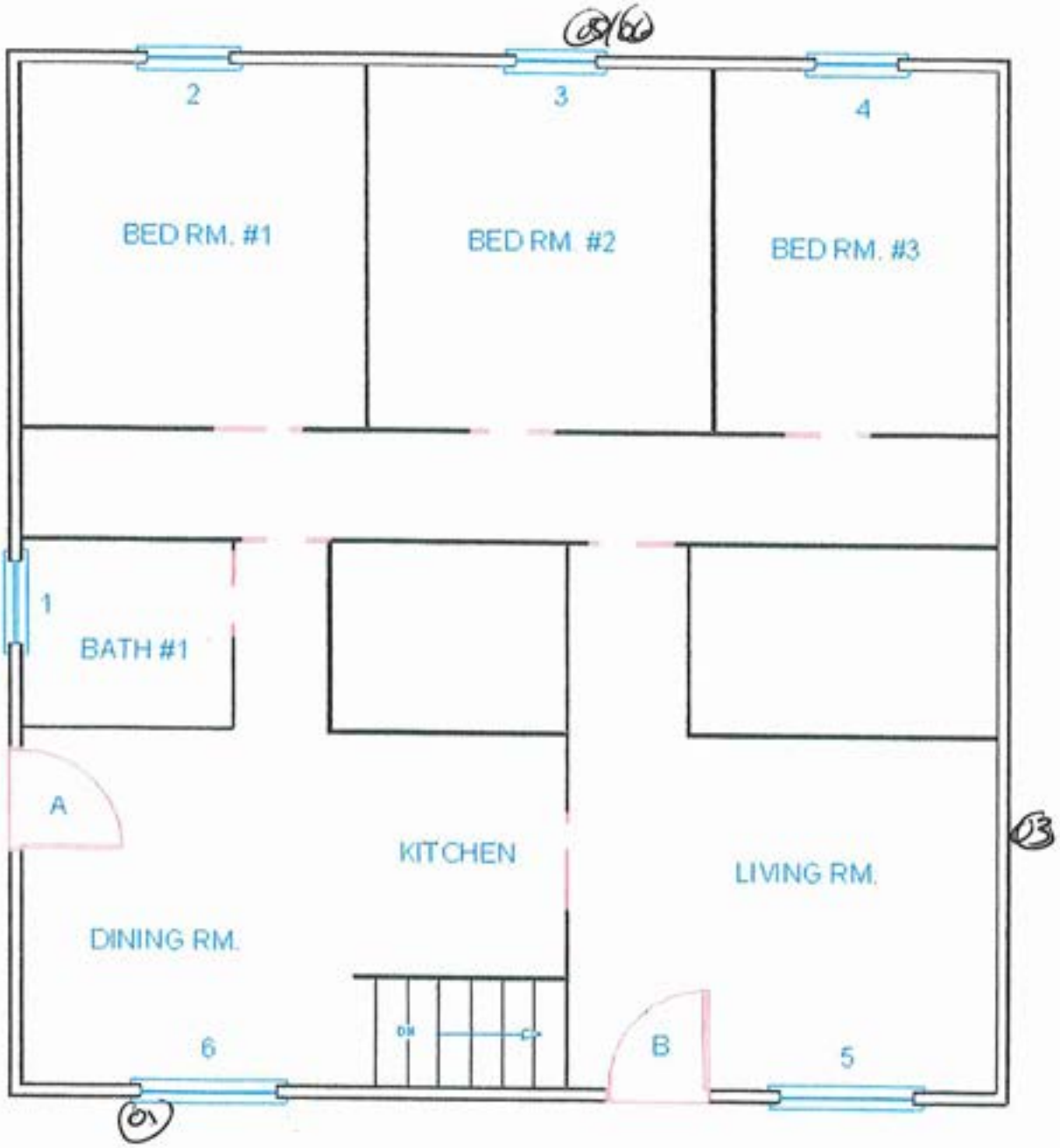
JMS ENVIRONMENTAL ASSOCIATES, LTD.



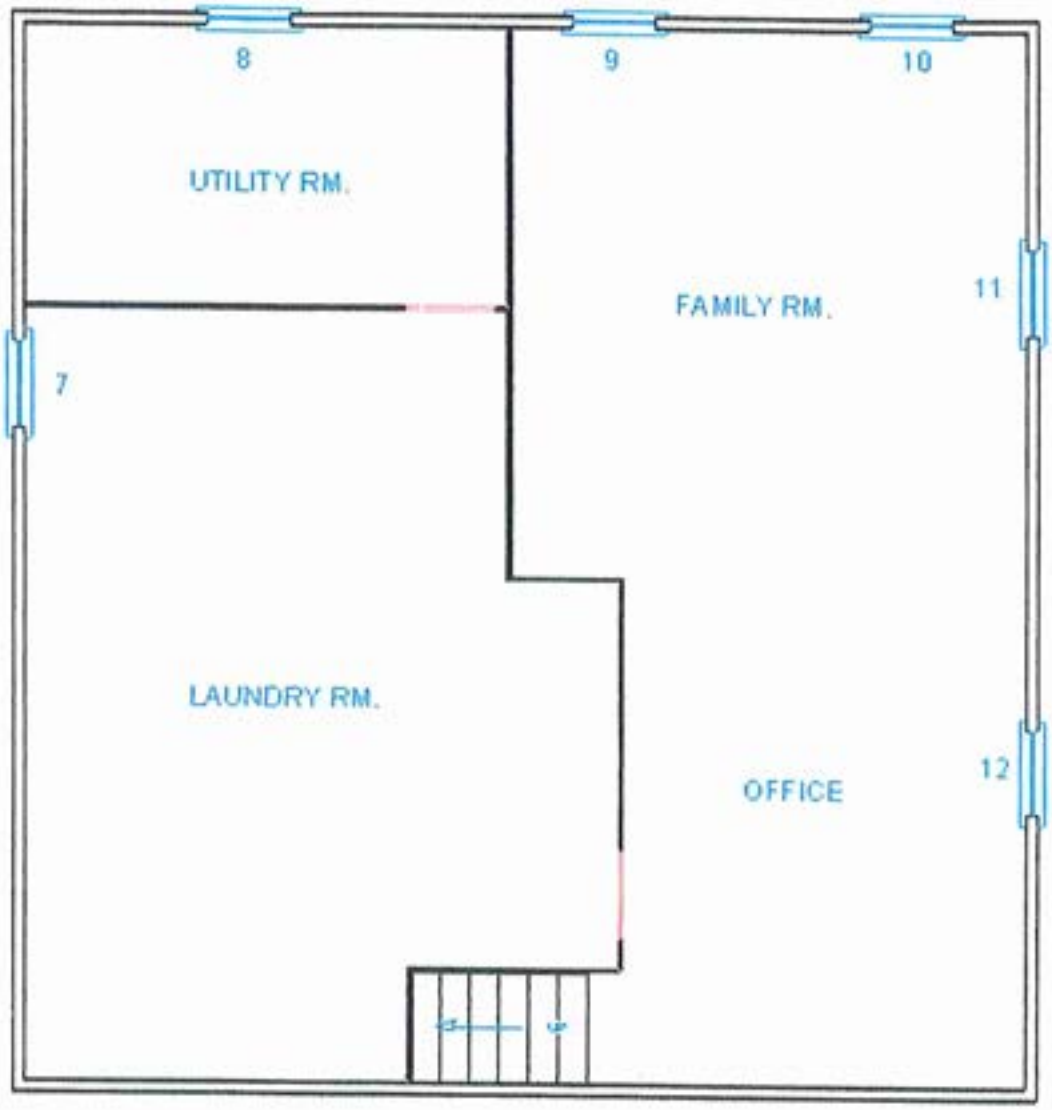
Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27291-04-0701	White Window Caulk, East Front Window	Good	No	High	None Detected
27291-04-0702	**Door Frame Caulk, East Front Door**	**Good**	**No**	**High**	**1.5 % Chrysotile**
27291-04-0703	Window Caulk North Basement Window	Good	No	High	None Detected
27291-04-0704	**Door Caulk South Side Door**	**Good**	**No**	**High**	**2% Chrysotile**
27291-04-0705	**Window Caulk West Basement Window**	**Good**	**No**	**High**	**2% Chrysotile**
27291-04-0706	Window Caulk West Upper Window	Good	No	High	None Detected


2
3
4
BED RM. #1
BED RM. #2
BED RM. #3
1
BATH #1
A
KITCHEN
LIVING RM.
DINING RM.
6
B
5

Gonzalez



Gonzalez

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 08, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27291
JMS Batch: 38403

Re: Bulk Asbestos Analyses of sample(s) received 4/8/2026.
#185 Gonzalez 428 Stone Pl - #185

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 µm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #185 Gonzalez 428 Stone Pl
Client Project Ref: - #185

Project Number: J-27291
Work Order: 38298
Batch Number: 38403

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392642	--	27291-04-0701	Homogeneous White Caulking	---NON-FIBROUS---					
392643	--	27291-04-0702	Heterogeneous White, Grey Caulking	1.5	--	--	<1	--	<1/CaSil.
392644	--	27291-04-0703	Homogeneous White Caulking	--	--	--	<1	--	--
392645	--	27291-04-0704	Homogeneous White Caulking	2	--	--	<1	--	<1/CaSil.
392646	--	27291-04-0705	Homogeneous White Caulking	2	--	--	<1	--	<1/CaSil.

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 08, 2026

JMS031.BulkRpt 01/2023

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #185 Gonzalez 428 Stone Pl
Client Project Ref: - #185

Project Number: J-27291
Work Order: 38298
Batch Number: 38403

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392647	--	27291-04-0706	Homogeneous White Caulking	--	--	--	<1	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 08, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27291

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies

PROJECT: #185 428 Stone Place
PHONE: (713) 213 - 9790
204 Industrial Lane

TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090

Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27291-04-07 01	4/7/26	14:20	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27291-04-07 02			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27291-04-07 03			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27291-04-07 04			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27291-04-07 05			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27291-04-07 06			☐	☐		☐	☒		☒	☐	☐	☐	☐	☐	
27291-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27291-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27291-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27291-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:		Date:	4-7-26	Time:	14:20
Relinquished By:		Date:	4-8-26	Time:	8:40
Received By:		Date:	4/8/26	Time:	10:00
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506

4/8/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 19790

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 19790	4/8/2025	05/15/2026

JOSEPH R STERNER
1319 W DOWNER PLACE
AURORA, IL 60506
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	11/8/2025
PROJECT MANAGER	4/29/2025
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Joseph Richard Sterner

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the State of Wisconsin, Department of Health Services under ch. DHS 159, Wis. Admin. Code, The Illinois Department of Public Health and The Indiana Department of Environmental Management, under 326 IAC 18. Training was in accordance with requirements listed under EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Location: 12304 75th Street
Kenosha, WI 53142

Certificate Number: BIRWI2510102014
Course Date: 10/10/2025
Exam Date: 10/10/2025
Expiration Date: 10/10/2026



Tyler Nicholson, Authorized Signer

Issue Date: 10/10/2025

Course Credit Hours: BIR WI 4 Hours

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

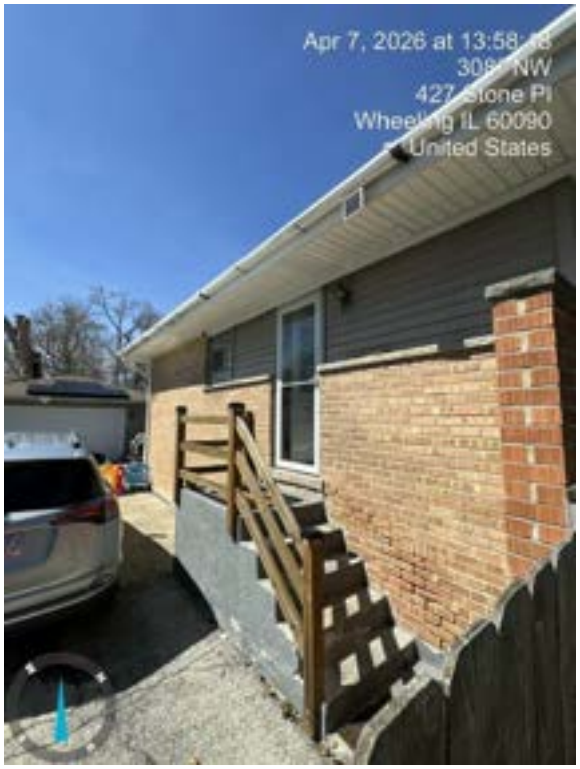
Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE

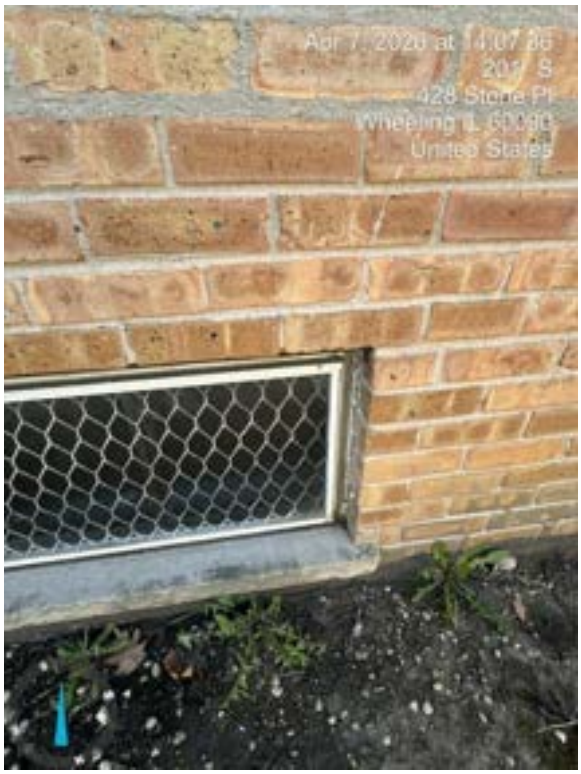

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Wheeling IL 60090
United States


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428 Stone Pl
Wheeling IL 60090
United States

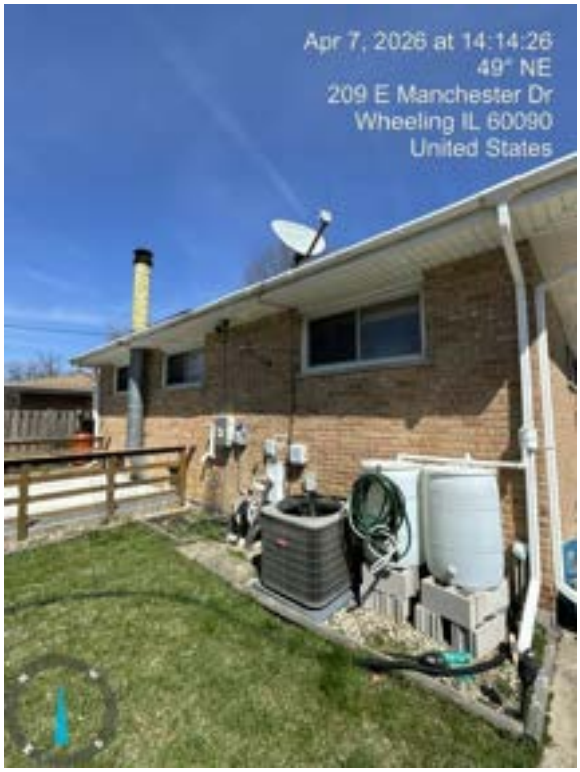

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United States

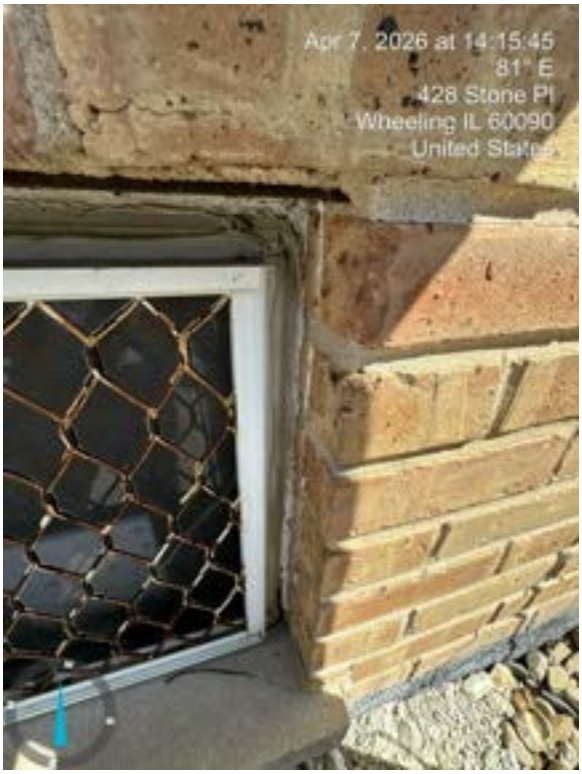

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Wheeling IL 60090
United States


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Wheeling IL 60090
United States


Apr 7, 2026 at 14:07:26
207° S
428 Stone Pl
Wheeling IL 60090
United States


Apr 7, 2026 at 14:11:39
68° E
373–449 Stone Pl
Wheeling IL 60090
United States


Apr 7, 2026 at 14:14:26
49° NE
209 E Manchester Dr
Wheeling IL 60090
United States


Apr 7, 2026 at 14:15:45
81° E
428 Stone Pl
Wheeling IL 60090
United States


Apr 7, 2026 at 14:15:48
120° SE
428 Stone Pl
Wheeling IL 60090
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

185-428 Stone Place
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 7th, 2026. Inspection activities were performed by Mr. Thomas Hartenburg (IDPH #1002493) and Mr. Scott Anderson (IDPH #1002002). Both are Illinois Department of Public Health (IDPH) licensed Lead Building Inspectors. Copies of Mr. Hartenburg's and Mr. Anderson's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family, single-floor house with a basement. It has three bedrooms and a total of nine windows and two doors. The interior walls and ceilings are drywall. The windows are unpainted vinyl with wooden frames in the interior. The doors are metal-clad wood with wood frames. The exterior windows are also unpainted vinyl surrounded by unpainted brick or brown vinyl siding.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) and the Illinois Department of Health (IDPH) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					1.00	PASS
					1.01	PASS
					1.00	PASS
185-428 STONE PLACE						
Bedroom 1	D-Window 2- Wall	Drywall	Lt. Grey	Intact	0.00	Negative
Bedroom 1	D-Window 2- Frame	Wood	White	Intact	0.01	Negative
Bedroom 1	D-Window 2- Sill	Wood	White	Intact	0.02	Negative
Bedroom 1	D-Window 2- Window	Vinyl	White	Intact	0.00	Negative
Bedroom 2	D-Window 3- Wall	Drywall	Lt. Brown	Intact	0.01	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Bedroom 2	D-Window 3- Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	D-Window 3- Sill	Wood	White	Intact	0.01	Negative
Bedroom 2	D-Window 3- Window	Vinyl	White	Intact	0.00	Negative
Bedroom 3	D-Window 4- Wall	Drywall	Yellow	Intact	0.00	Negative
Bedroom 3	D-Window 4- Frame	Wood	White	Intact	0.01	Negative
Bedroom 3	D-Window 4- Sill	Wood	White	Intact	0.00	Negative
Bedroom 3	D-Window 4- Window	Vinyl	White	Intact	0.00	Negative
Living Room	B-Window 5- Frame	Wood	White	Intact	0.07	Negative
Living Room	B-Window 5- Sill	Wood	White	Intact	0.01	Negative
Living Room	B-Window 5- Window	Vinyl	White	Intact	0.01	Negative
Living Room	B-Window 5- Wall	Drywall	Grey	Intact	0.00	Negative
Living Room	B-Door A- Frame	Wood	White	Intact	0.07	Negative
Living Room	B-Door A- Jamb	Wood	White	Intact	0.05	Negative
Living Room	B-Door A- Door	Metal	White	Intact	0.05	Negative
Living Room	B-Door A- Wall	Drywall	Grey	Intact	0.03	Negative
Dining Room	B-Window 1- Wall	Drywall	Grey	Intact	0.02	Negative
Dining Room	B-Window 1- Frame	Wood	White	Intact	0.01	Negative
Dining Room	B-Window 1- Sill	Wood	White	Intact	0.01	Negative
Dining Room	C-oor B- Frame	Wood	White	Intact	0.01	Negative
Dining Room	C-Door B- Jamb	Wood	White	Intact	0.02	Negative
Dining Room	C-Door B- Door	Metal	White	Intact	0.00	Negative
Dining Room	C-Door B- Wall	Drywall	White	Intact	0.00	Negative
Basement- Family Room	D-Windows 6 & 7- Wall	Wood	White	Intact	0.00	Negative
Basement- Family Room	D-Windows 6 & 7- Sill	Vinyl	White	Intact	0.00	Negative
Basement- Family Room	D-Windows 6 & 7- Frame	Unpainted Metal	Silver	Intact	0.00	Negative
Basement- Family Room	A-Windows 8 & 9- Wall	Wood	White	Intact	0.00	Negative
Basement- Family Room	A-Windows 8 & 9- Sill	Vinyl	White	Intact	0.00	Negative
Basement- Family Room	A-Windows 8 & 9- Frame	Unpainted Metal	Silver	Intact	0.00	Negative
Exterior D- West Face	D-Windows 2, 3 & 4- Windows	Vinyl	White	Intact	0.00	Negative
Exterior D- West Face	D-Windows 2, 3 & 4- Frame	Wood	White	Intact	0.03	Negative
Exterior D (Rear)- West Face	D-Windows 2, 3 & 4- Sill	Unpainted Concrete	Grey	Intact	0.00	Negative
Exterior A- North Face	A-Windows 8 & 9- Windows	Metal	White	Intact	0.01	Negative
Exterior A- North Face	A-Windows 8 & 9- Frame	Metal	White	White	0.02	Negative
Exterior A- North Face	A-Windows 8 & 9- Sill	Unpainted Concrete	Grey	Intact	0.00	Negative
Exterior B- East Face	B-Door A- Storm Door	Metal	Black	Intact	0.01	Negative
Exterior B- East Face	B-Door A- Door	Metal	White	Intact	0.01	Negative
Exterior B- East Face	B-Door A- Frame	Wood	White	Intact	0.01	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Exterior B- East Face	Door A- Siding	Brick	Red	Intact	0.00	Negative
Exterior B- East Face	Window 1- Frame	Wood	White	Intact	0.01	Negative
Exterior B- East Face	Window 1- Trim	Wood	White	Intact	0.02	Negative
Exterior B- East Face	Window 1- Siding	Unpainted Vinyl	Tan	Intact	0.00	Negative
Exterior B- East Face	Window 5- Frame	Wood	White	Intact	0.01	Negative
Exterior B- East Face	Window 5- Window	Vinyl	White	Intact	0.00	Negative
Exterior B- East Face	Window 5- Wall	Unpainted Brick	Red	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that No lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that SCOTT ANDERSON has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR01

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

N Peneff DrPH

Director of Training
Nicholas J. Peneff
Doctor of Public Health

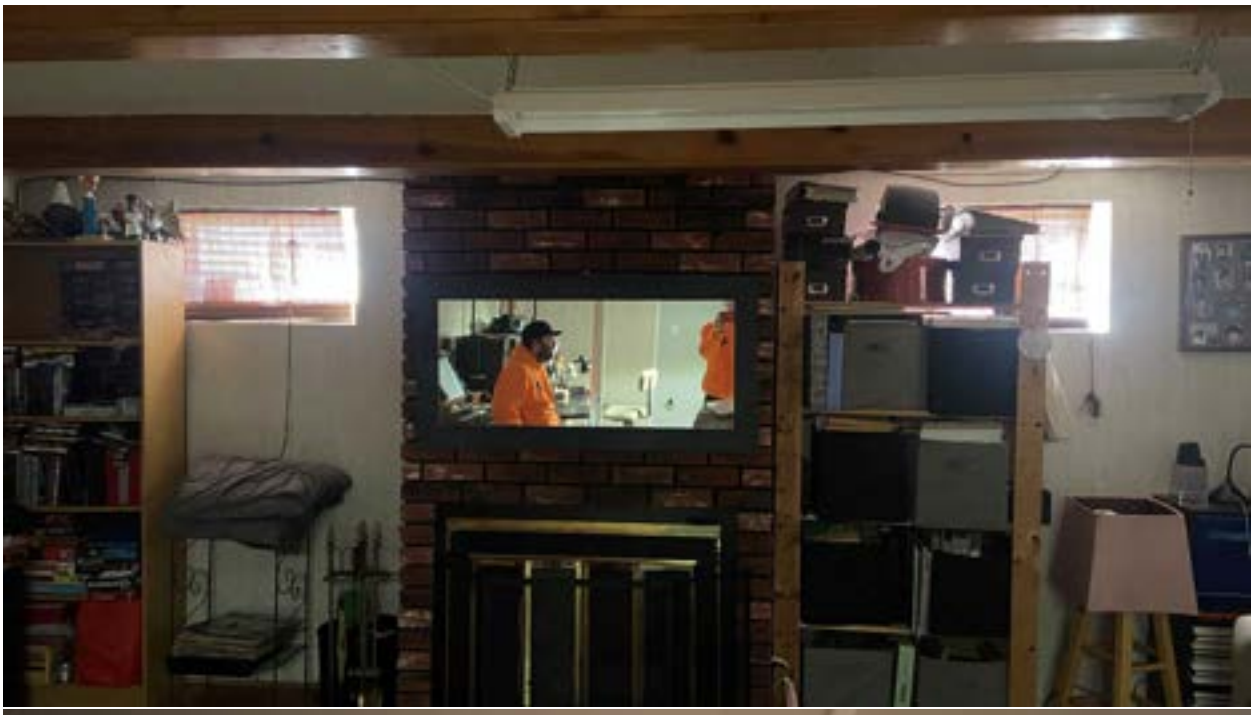
Phone: (312) 491-0081

Form # L-010


IDPH
LEAD INSPECTOR LICENSE
LEAD ID
1002002
ISSUED
9/5/2025
EXPIRES
1/31/2026
Scott Anderson
1202 N. 75th Street Unit 226
Downers Grove, IL 60516
ILLINOIS LEAD PROGRAM
Environmental Health

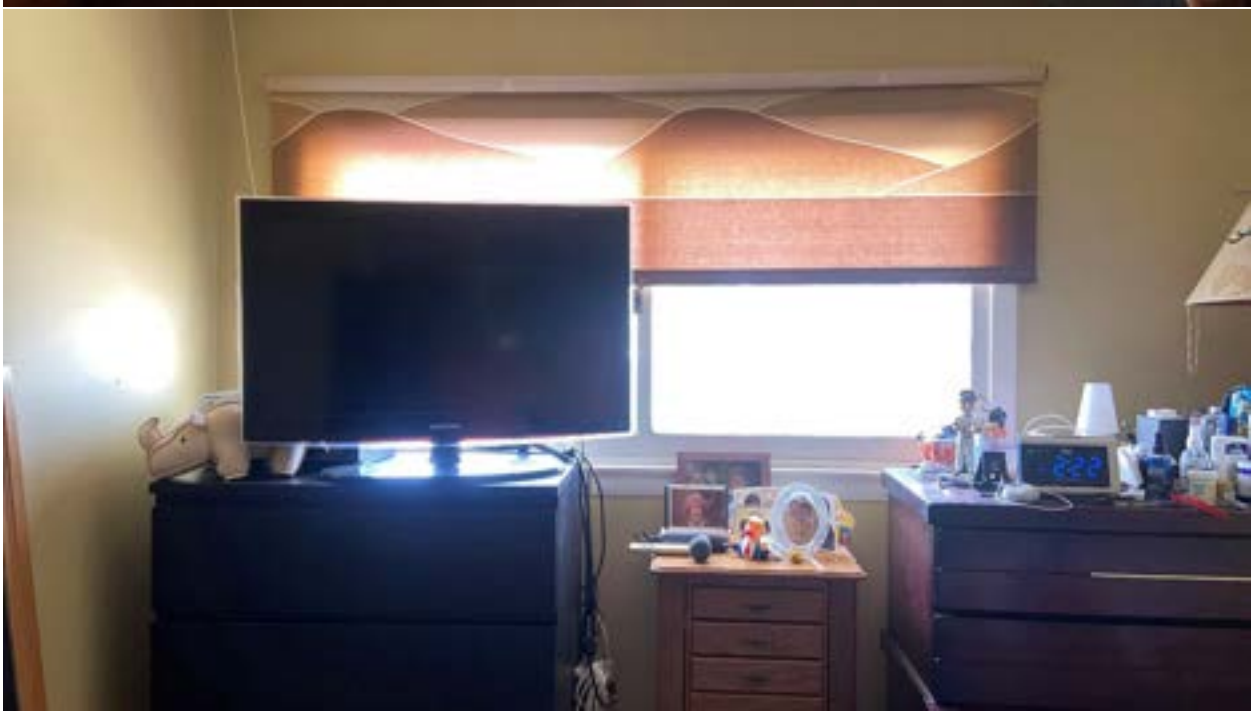
APPENDIX B

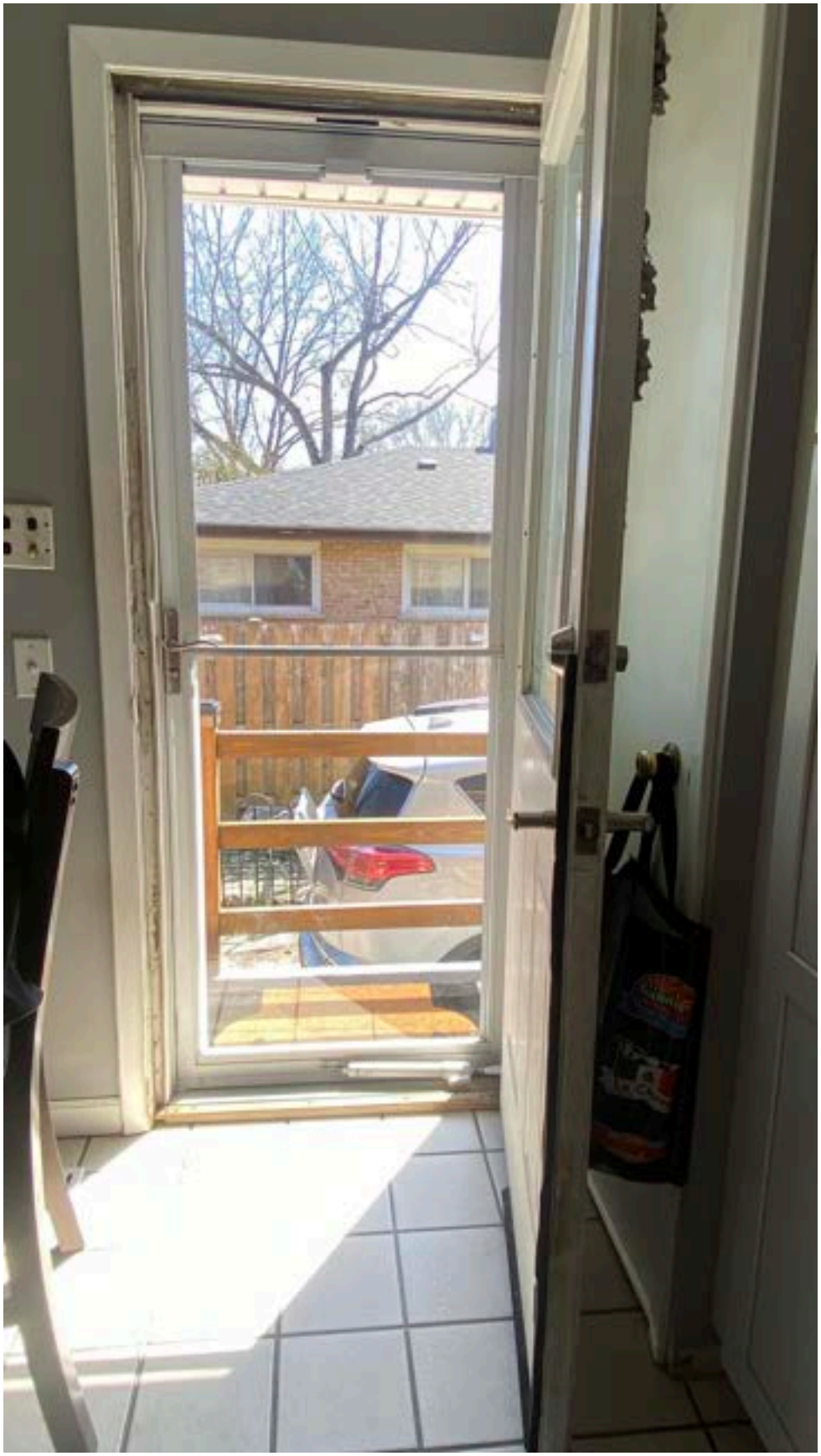
Photos, Field Data Sheets and Drawings





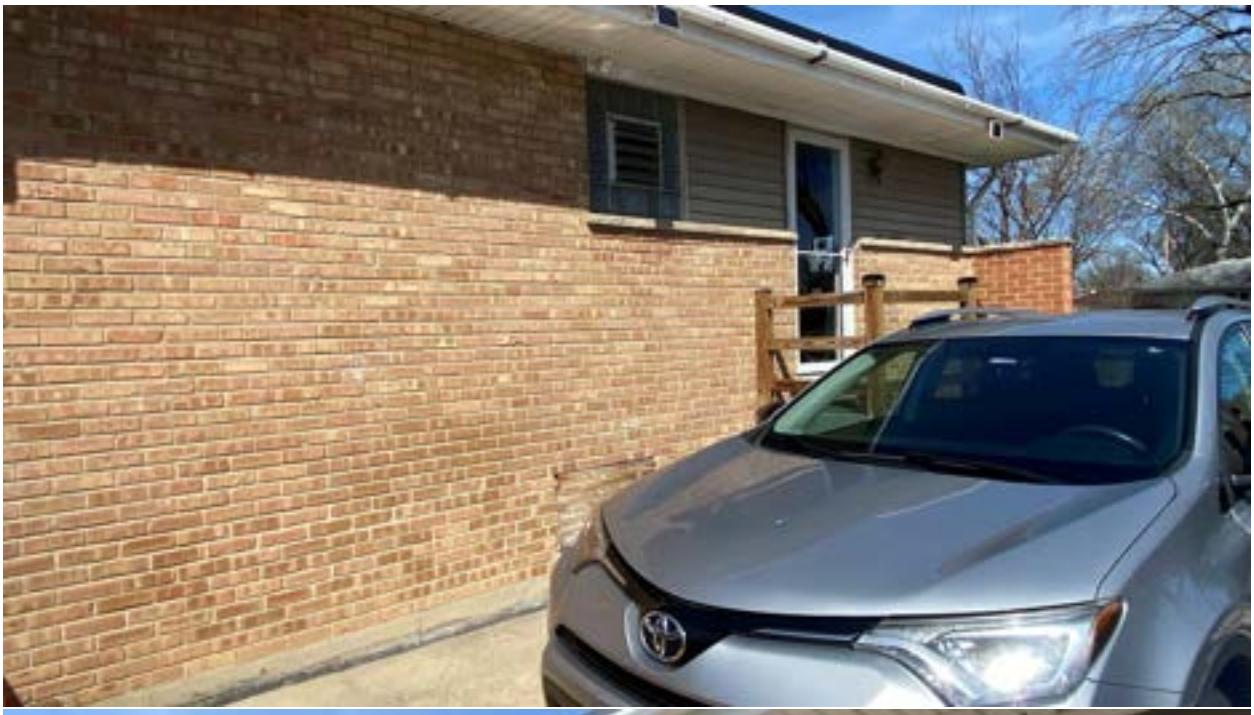
























Lead Based Paint Data Sheet

Building/Address: 185-428 Stone Place Inspection Date: 4-7-2026 XRF File #:

Functional Space: Inspector: Tom Hartenburg License #: 1002493

XRF Serial #: 02535 XRF Instrument: Sci Aps Inspector's Signature:

Room Identification Location	Component		Substrate	Color	Condition Assessment	Estimated Damage (%)	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
~~Bat rm #1~~	~~Window (3 blocks)~~		~~No Test~~		Intact	0	~~0.00~~	N/A	Negative
BR #1	window #2	S	wood	white			0.00		
		F	metal	"			(-0)		
		W	dw	H Grey			0.02		
		F	metal	white			0.00		
#2	window #3								
		S	wood	white					
		F	metal	white					
		W	dw	lite brown					
		E							
#3	window 4	S	wood	white					
		F	"	"					
		E	metal	"					
		W	dw	green					
living room	window 5	F	white	vinyl					
		S	wood	brown					
		M	white	vinyl					
		W	dw	grey					

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 428 Stone Place Inspection Date: 4-7-2026 XRF File #: _____

Functional Space: _____ Inspector: Tom Hartenburg License #: 1002493

XRF Serial #: _____ XRF Instrument: _____ Inspector's Signature: _____

Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage (%)	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
Living Room	Door B DF	wood	white	Intact	Ø	0.00	0.07	Negative
	D	metal	white				0.05	
	W	DW	grey				0.05	
	Jamb	wood	white				0.03	
	Dining Room window # B						0.00	
	W	dw	grey					
	S							
	F							
	F							
Dig Room Door B		~~wood~~	white					
	Frame	wood	White					
	Jamb	wood	white					
	Door	wood/metal						
	Wall	dw	Grey					
bsmnt	#5-6/7/8 —							
	metal frame windows			white	frame			
	wood paneling on brick			grey brick				
	unpainted sill			vinyl				

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Lead Based Paint Data Sheet

Building/Address: 428 Stone Inspection Date: 4-7-2026 XRF File #:

Functional Space: Exterior Inspector: Tom Hartenburg License #: 100.2493

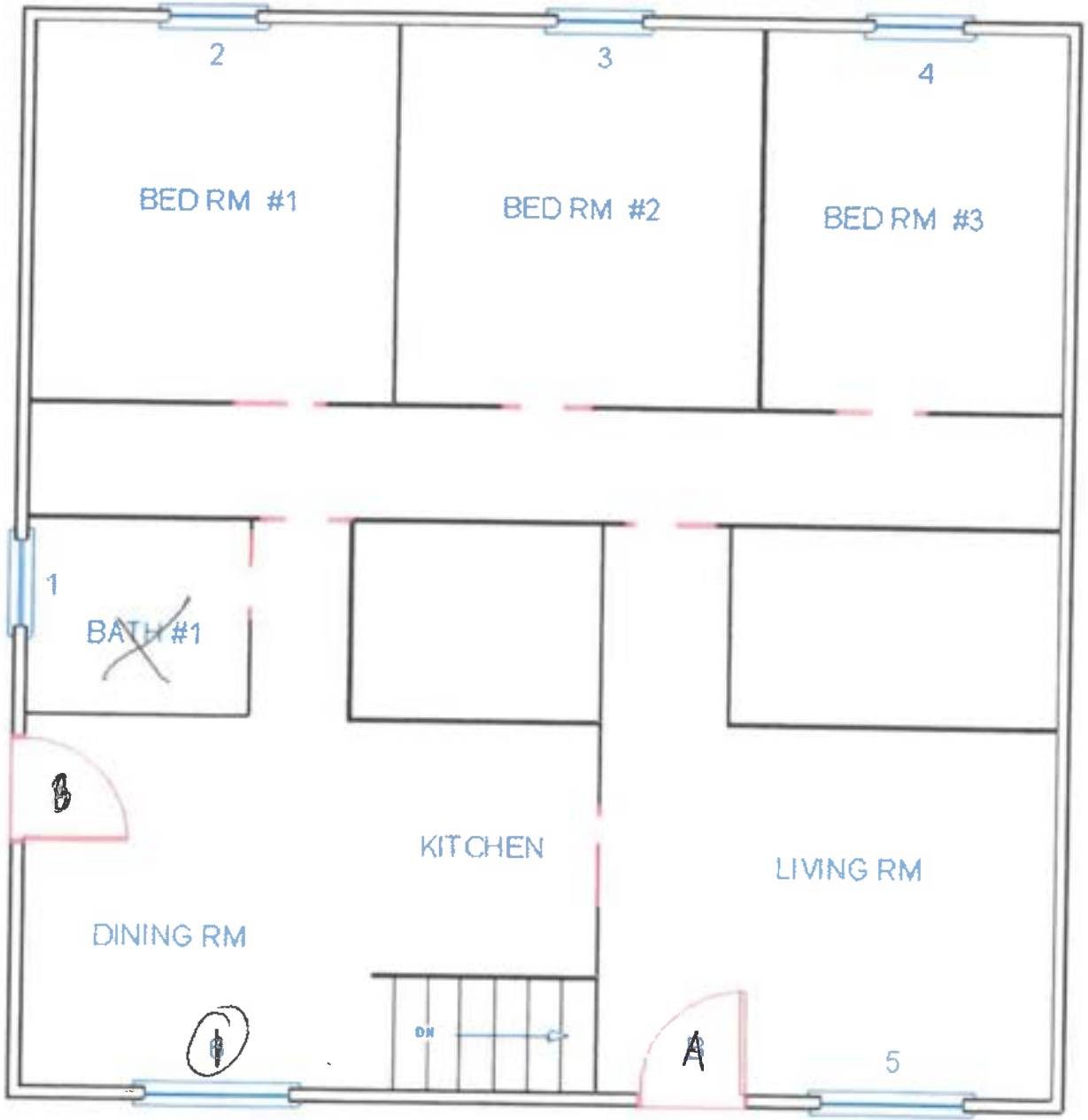
XRF Serial #: 02535 XRF Instrument: Sci Aps Inspector's Signature:

Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage (%)	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	DOOR B Door Frame Metal		wood White	Intact	0	0.00	0.01	Negative
Rear	window 2 - vinyl	trim white					0.00	
west - Buddy.	wood casing	white					0.03	
	3						0.01	
							0.00	
North	4						0.00	
	8						0.00	
	metal frame white						0.01	
	9						0.00	
	"	"					0.00	
East	DOOR A						0.00	
	Black metal storm door						0.01	
	wood frame		white				0.00	
	metal sheet wood door		white				0.02	
	window 5 wood frame white						0.01	
	unpainted vinyl						0.02	
	window 1 - wood frame		white				0.01	
	wood trim pieces						0.02	

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

D



C

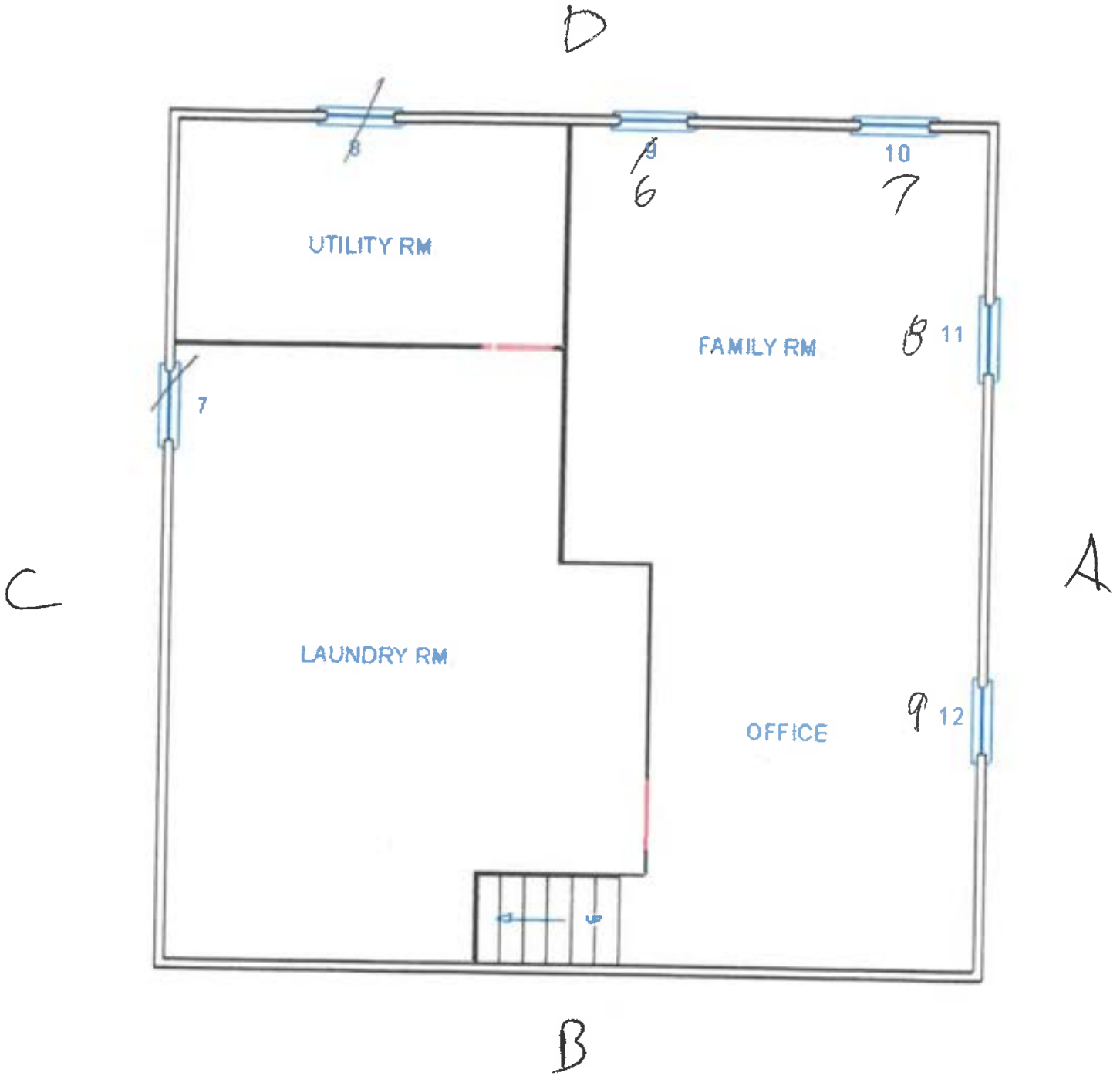
A

B

185- 428 Stone Place

Gonzalez

N



Gonzalez

185 - 428 Stone Place

N

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **129 Sunrise Drive**

Phase: **4**

PPN: **201**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.
[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.
[ ] Provide sealant around interior and exterior perimeter of all windows and doors.
[ ] Provide new exterior brake metal at all window replacement locations.
[ ] Replace existing doors with new prime doors and storm doors as scheduled.
[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".
[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.
[ ] Provide new bathroom fan(s) and/or fanlight(s) . Terminate exhaust ductwork at exterior of home with exterior hood/rain cap. (Bath #2)
[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.
[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.
[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.
[ ] Basement floor is finished with tile
[ ] Basement walls are finished with GWB.
[ ] Basement ceiling is finished with GWB.

PHOTO

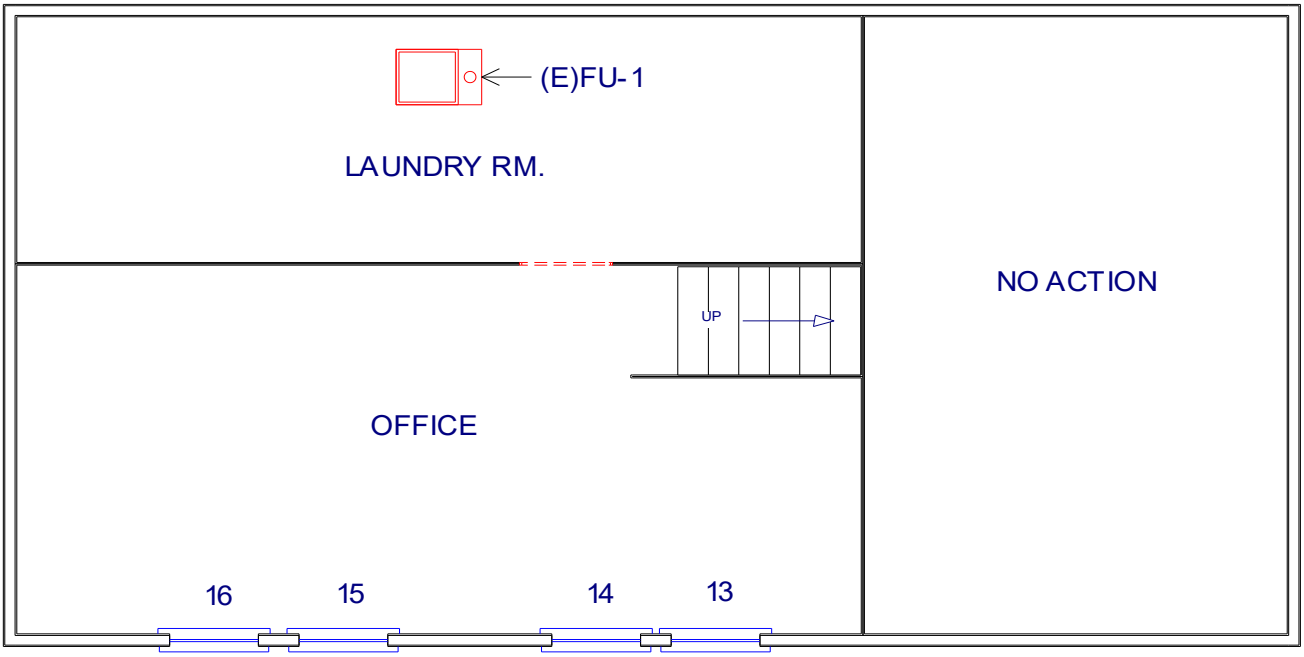


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**201**
Address:	**129 Sunrise Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



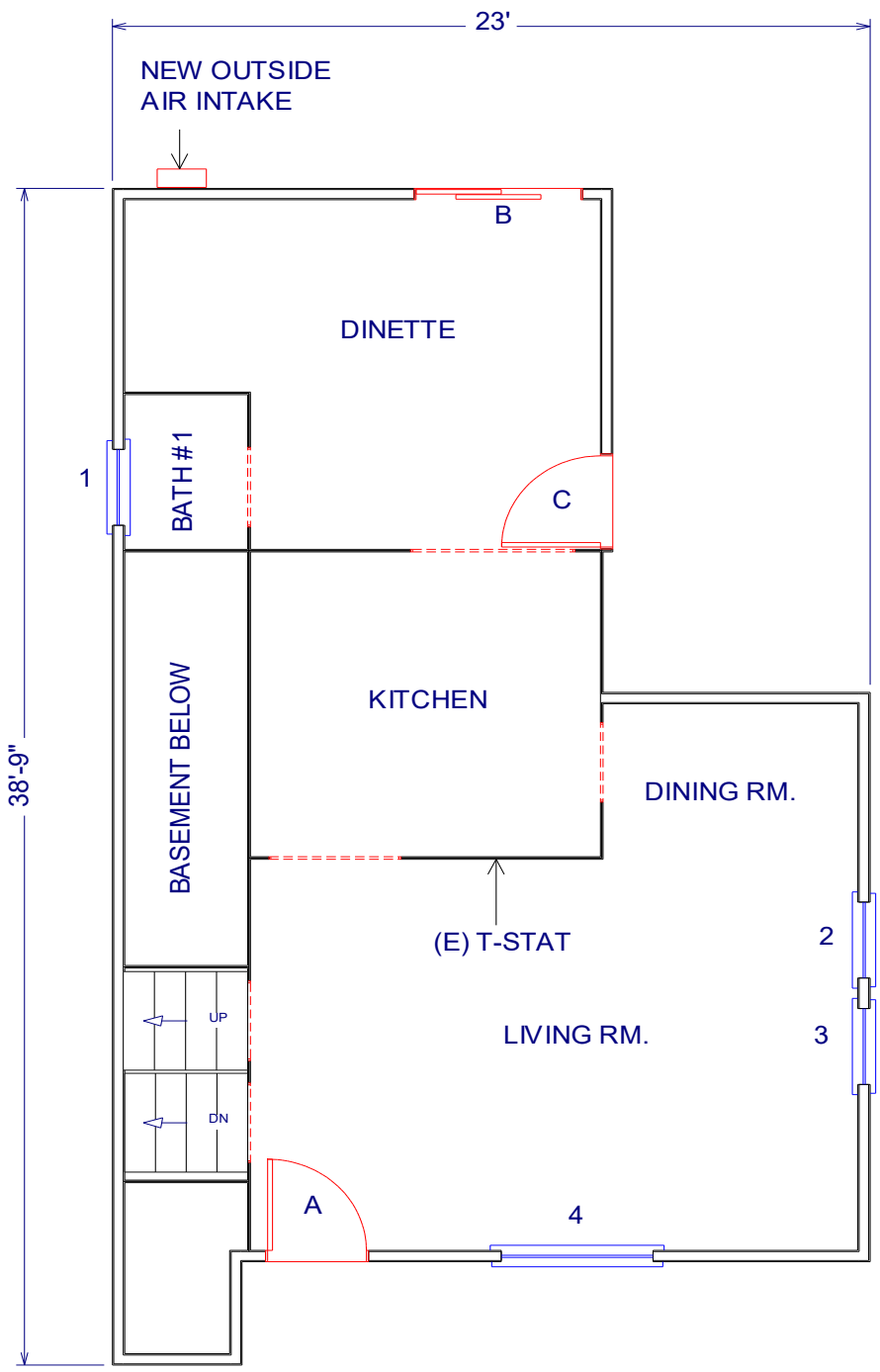
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **201**
Address: **129 Sunrise Drive**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



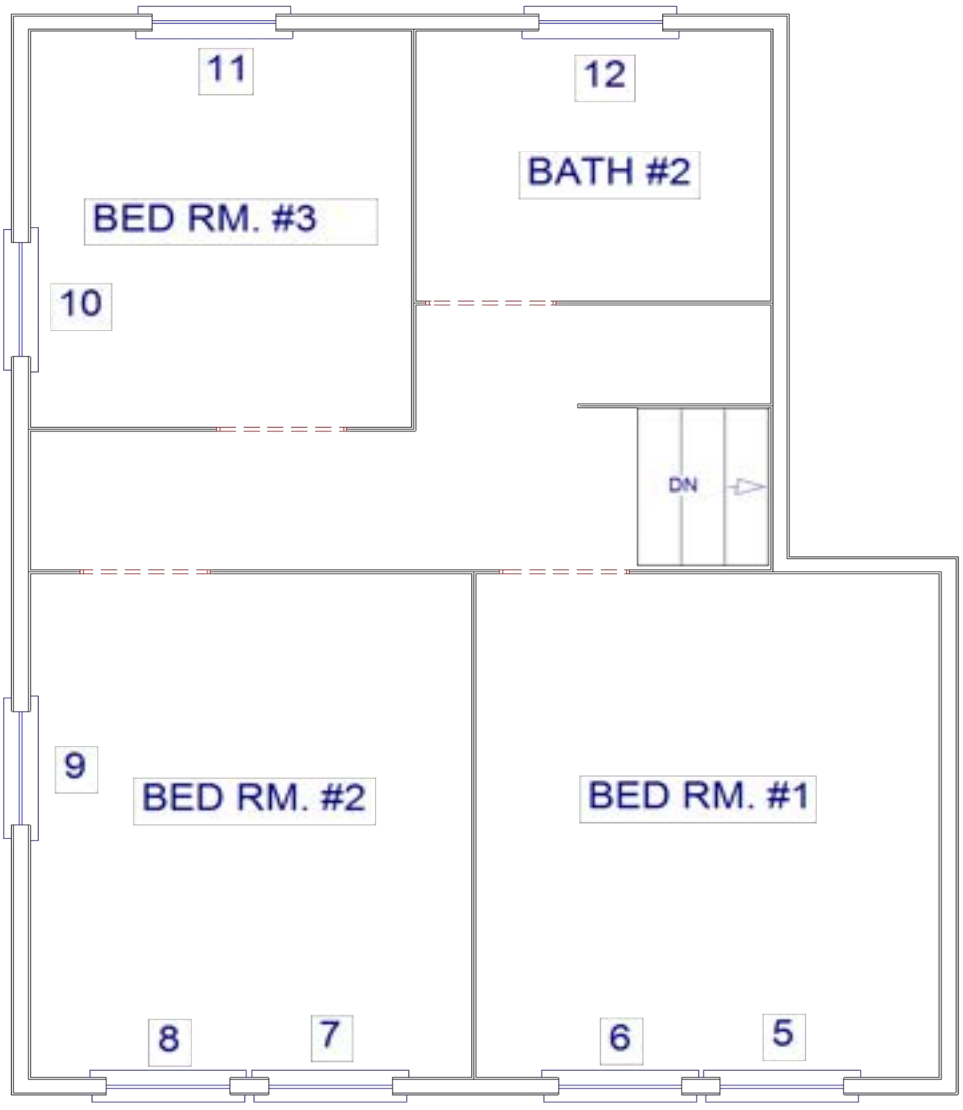
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **201**
Address: **129 Sunrise Drive**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **201**
Address: **129 Sunrise Drive**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	35	37	DH	DH		WD	VL		2.1	TEMPERED GLASS.
2	32	53	DH	DH		VL	VL		2.1	
3	32	53	DH	DH		VL	VL		2.1	
4	110	53	DH	DH		VL	VL		2.1	TEMPERED GLASS. DH-FX-DH. 1-2-1 CONFIGURATION.
5	32	36	DH	DH		WD	VL		2.1	
6	32	36	DH	DH		WD	VL		2.1	
7	32	36	DH	DH		WD	VL		2.1	
8	32	36	DH	DH		WD	VL		2.1	
9	32	36	DH	DH		WD	VL		2.1	
10	31	36	DH	DH		VL	VL		2.1	
11	32	36	DH	DH		VL	VL		2.1	
12	33	18	SL	SL		VL	VL		2.1	
13	33	37	DH	DH		VL	VL		2.1	TEMPERED GLASS.
14	33	37	DH	DH		VL	VL		2.1	TEMPERED GLASS.
15	32	37	DH	DH		VL	VL		2.1	TEMPERED GLASS.
16	32	37	DH	DH		VL	VL		2.1	TEMPERED GLASS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **201**

Address: **129 Sunrise Drive**

Revised:

Town: **Wheeling**

C&S COMPANIES®

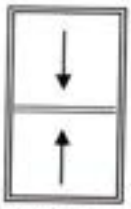
QuieterHome® Program

Window Elevations

PPN# 201

QUIETERHOME PROGRAM

List only the window #'s that are changing style



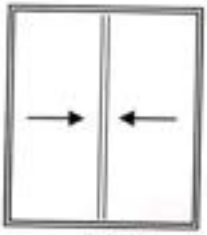
DOUBLE HUNG

Location



FIXED

Location



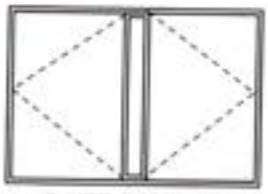
SLIDER

Location



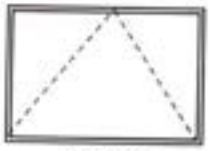
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

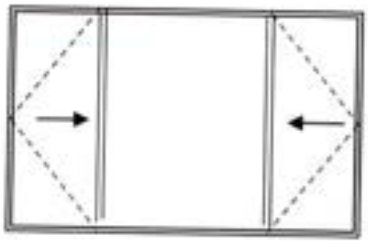
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ **Bay**
- ☐ **Bow**
- ☐ **Other** _____

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration: _____

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL TOP SASH ONLY



DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ **All windows to be replaced in kind**

☐ **Exceptions noted in field indicated above**

PHASE 4
CORTINA
129 SUNRISE DR

PPN 201

Homeowner _____ Date _____

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	79	YES	YES	YES	NO	NO	ORNAMENTAL	20	CONCRETE AT SILL. LEVER HANDLE.
B	68	78	NO	NO	NO	YES	YES	STANDARD	24	SLIDING GLASS DOOR.
C	32	80	YES	YES	YES	NO	NO	ORNAMENTAL	20	LEVER HANDLE.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**	PPN: **201**
Address: **129 Sunrise Drive**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 201

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☐ Fiberglass
- ☒ Wood

Door A C

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4
CORTINA
129 SUNRISE DR
PPN 201

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner

Date

Rev. 02/24

QUIETERHOME PROGRAM

PPN# 201

Exterior Storm Door Style Selections

S1



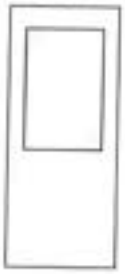
Location

S2



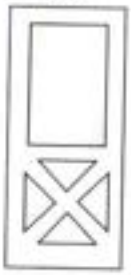
Location

S3



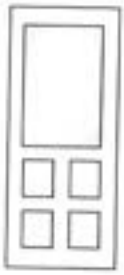
Location

S4



Location

S5



Location

S6



Door A, C

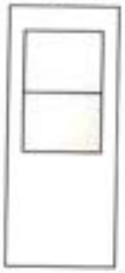
Location

S7



Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 201
CORTINA
129 SUNRISE DR

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

Rev. 02/21

PPN# 201

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

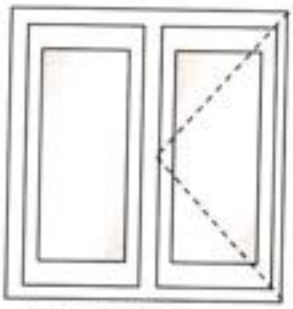


Sliding Glass Door

Door B

Location

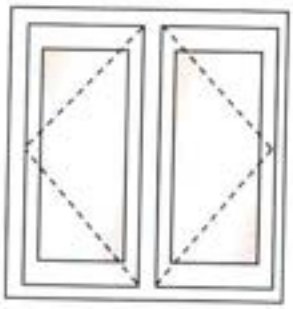
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

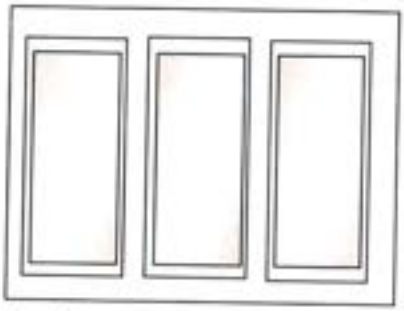


Sliding Storm Door

Door B

Location

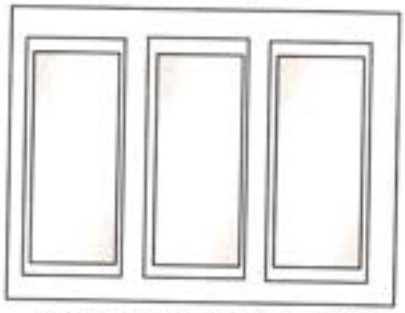
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION

SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS ***EXTERIOR***	*SLIDING **STORM** DOOR*
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

PHASE 4 PPN 201
CORTINA
129 SUNRISE DR

Rev. 03/26

JMS
Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 6, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27285

RE: Limited Asbestos & Lead Inspections
201
129 Sunrise Drive
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 129 Sunrise Drive, Wheeling, Illinois 60090.

The findings of the attached reports showed nine (9) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Eighty-seven (87) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **140 Sunrise Drive**

Phase: **4**

PPN: **204**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.

[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.

[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.

[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.

PHOTO

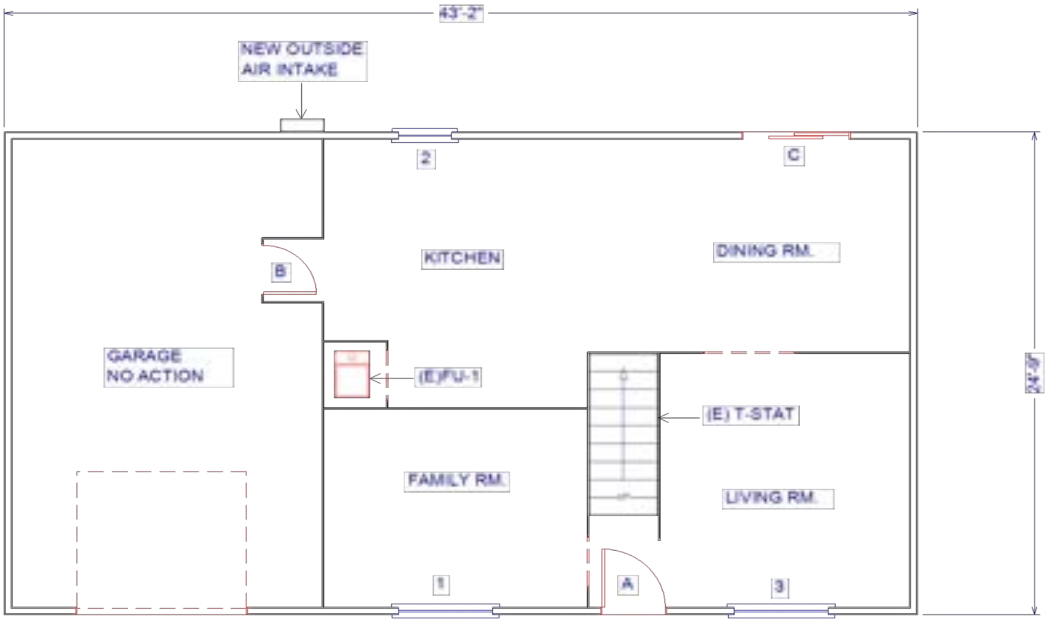


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**204**
Address:	**140 Sunrise Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



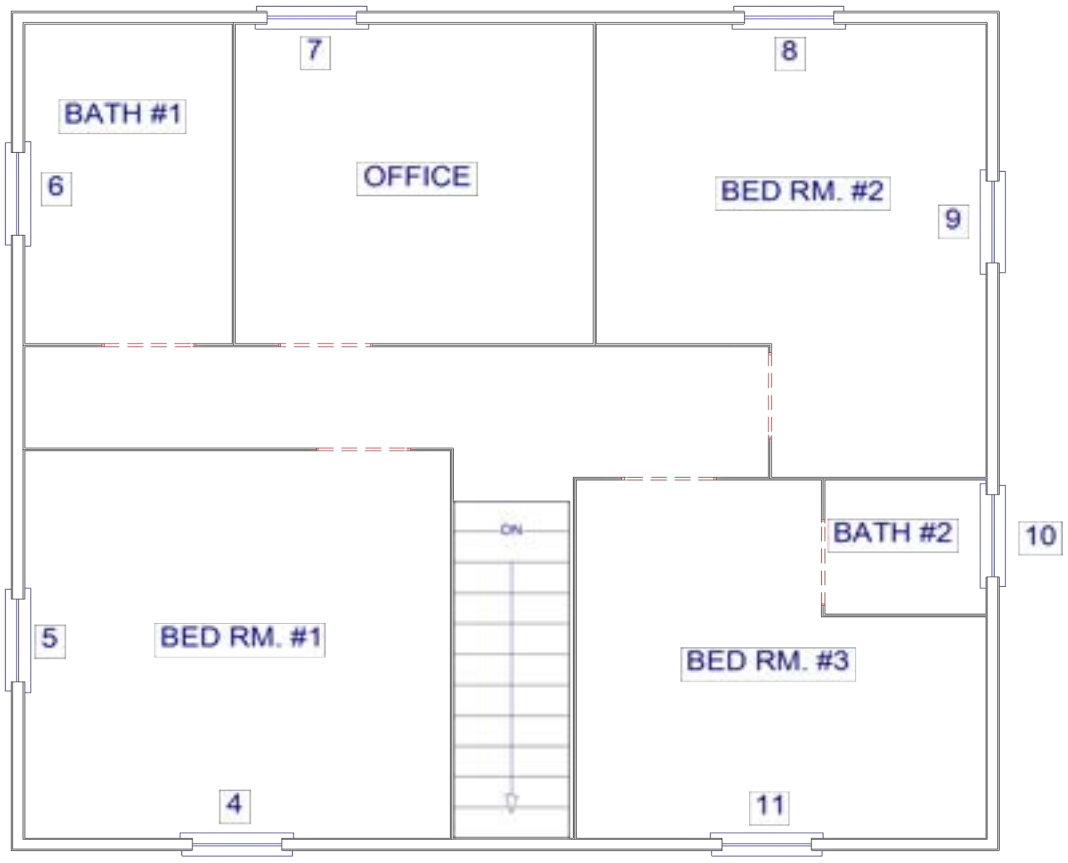
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**204**
Address:	**140 Sunrise Drive**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **204**
Address: **140 Sunrise Drive**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	35	51	DH	DH		VL	VL		2.1	REMOVE AND REINSTALL EXTERIOR SHUTTERS.
2	31	36	DH	DH		VL	VL		2.1	
3	72	51	DH-DH	DH-DH		VL	VL		2.1	REMOVE AND REINSTALL EXTERIOR SHUTTERS.
4	34	51	DH	DH		VL	VL		2.1	REMOVE AND REINSTALL EXTERIOR SHUTTERS.
5	31	35	DH	DH		VL	VL		2.1	
6	31	35	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
7	34	51	DH	DH		VL	VL		2.1	
8	31	35	DH	DH		VL	VL		2.1	
9	31	35	DH	DH		VL	VL		2.1	
10	32	35	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
11	32	51	DH	DH		VL	VL		2.1	REMOVE AND REINSTALL EXTERIOR SHUTTERS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

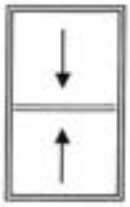
	Phase: **4**
	PPN: **204**
Address: **140 Sunrise Drive**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

PPN# 204

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

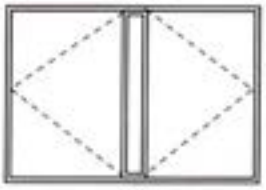
Location

Location

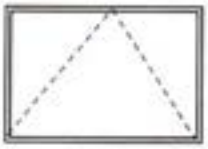
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

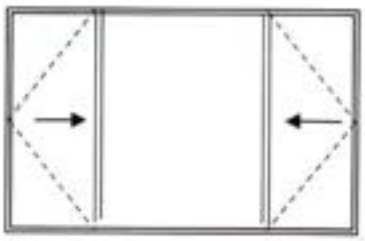
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other

Location

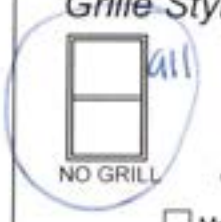


- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration:

Location

Grille Styles



NO GRILL — ALL

COLONIAL

COLONIAL (TOP SASH ONLY)

DIAMOND

DIAMOND (TOP SASH ONLY)

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ **All windows to be replaced in kind**

☐ **Exceptions noted in field indicated above**

Homeowner — Date 5/22/20

PHASE 4
WOODALL
140 SUNRISE DR

PPN 204

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	81	NO	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL. REMOVE AND REINSTALL EXISTING KEYPAD LOCK.
B	32	80	NO	YES	NO	NO	NO	STANDARD	20	FIRE RATED DOOR.
C	70	78	NO	NO	NO	YES	YES	STANDARD	24	SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase: **4**

PPN: **204**

Address: **140 Sunrise Drive**

Town: **Wheeling**

C&S COMPANIES®

QuieterHome® Program

Exterior Prime Door Style Selections

PPN# 204

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☐ Fiberglass
- ☒ Wood

Door A

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 204
WOODALL
140 SUNRISE DR

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner 5/22/26 Date

Rev. 02/24

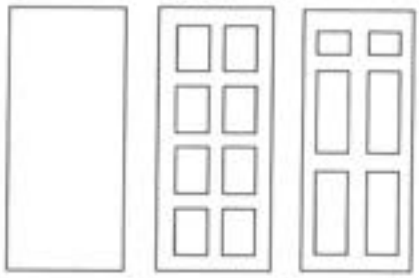
Exterior Prime Door Style Selections

PPN# 204

QUIETERHOME PROGRAM

Interior Solid Core Door
Interior Door = Wood

P10 **P11** **P12**



Location

Solid Core Door-Fire Rated

P13



☐ Steel
☐ Wood

Location

P14

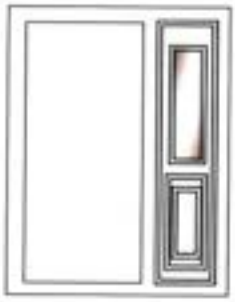


Steel
Wood

Door B

Location

P15



Right or Left to match existing

Single Sidelite Door

_____ Location

_____ Sidelite Style

P16

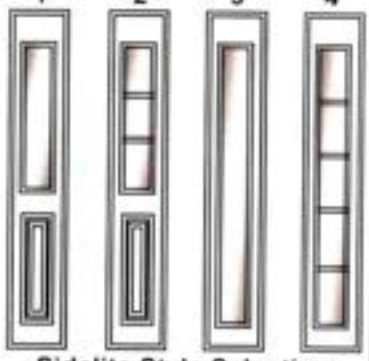


Double Sidelite Door

_____ Location

_____ Sidelite Style

1 **2** **3** **4**



Sidelite Style Selection

Note: Sidelites to be provided by same door manufacturer

Note:

- Fiberglass and Wood can be painted or stained
- Steel can only be painted
- Color selection to be determined at measurement walk-through
- Shaded area shows where there is glass
- Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.
- Clear glass is provided as a standard in all doors. Frosted glass can be provided but must be specified on the selection sheet.

Homeowner Label

PHASE 4
WOODALL
140 SUNRISE DR

PPN 204

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner Signature

5/22/20

Date

Rev. 01/20

PPN# 204

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

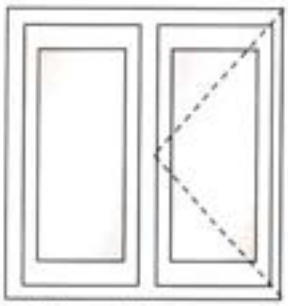


Sliding Glass Door

Door C

Location

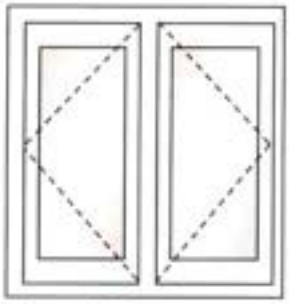
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

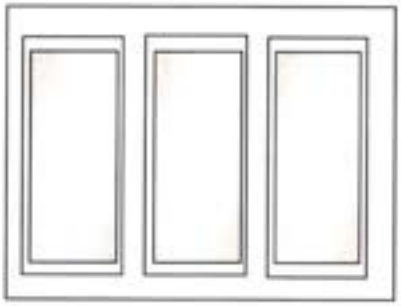


Sliding Storm Door

Door C

Location

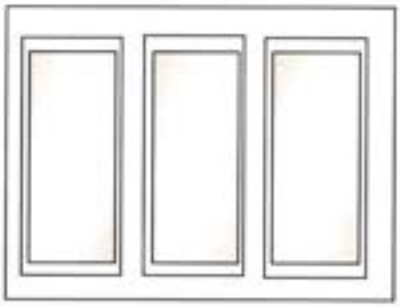
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS ***EXTERIOR***	*SLIDING **STORM** DOOR*
[X] WHITE	[X] WHITE
[ ] ALMOND/BEIGE	[ ] ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner 5/22/20 Date

PHASE 4 PPN 204
WOODALL
140 SUNRISE DR

Rev. 03/26

QUIETERHOME PROGRAM

PPN# 204

Exterior Storm Door Style Selections

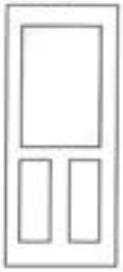
S1



Door A

Location

S2



Location

S3



Location

S4



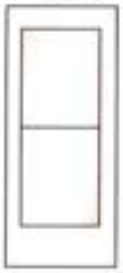
Location

S5



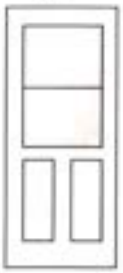
Location

S6



Location

S7



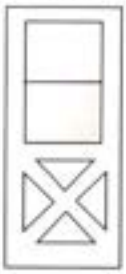
Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 204
WOODALL
140 SUNRISE DR

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner

5/22/20

Date

Rev. 02/21

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27306

RE: Limited Asbestos & Lead Inspections
204 Woodall
140 Sunrise Drive
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 140 Sunrise Drive, Wheeling, Illinois 60090.

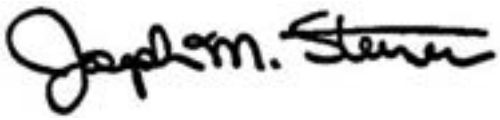
The findings of the attached reports showed four (4) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Fifty (50) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **280 Wheeling Avenue**

Phase: **4**

PPN: **228**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.
[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.
[ ] Provide sealant around interior and exterior perimeter of all windows and doors.
[ ] Provide new exterior brake metal at all window replacement locations.
[ ] Replace existing doors with new prime doors and storm doors as scheduled.
[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".
[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.
[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.
[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.
[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.
[ ] Basement floor is finished with carpeting
[ ] Basement walls are finished with GWB.
[ ] Basement ceiling is finished with GWB.

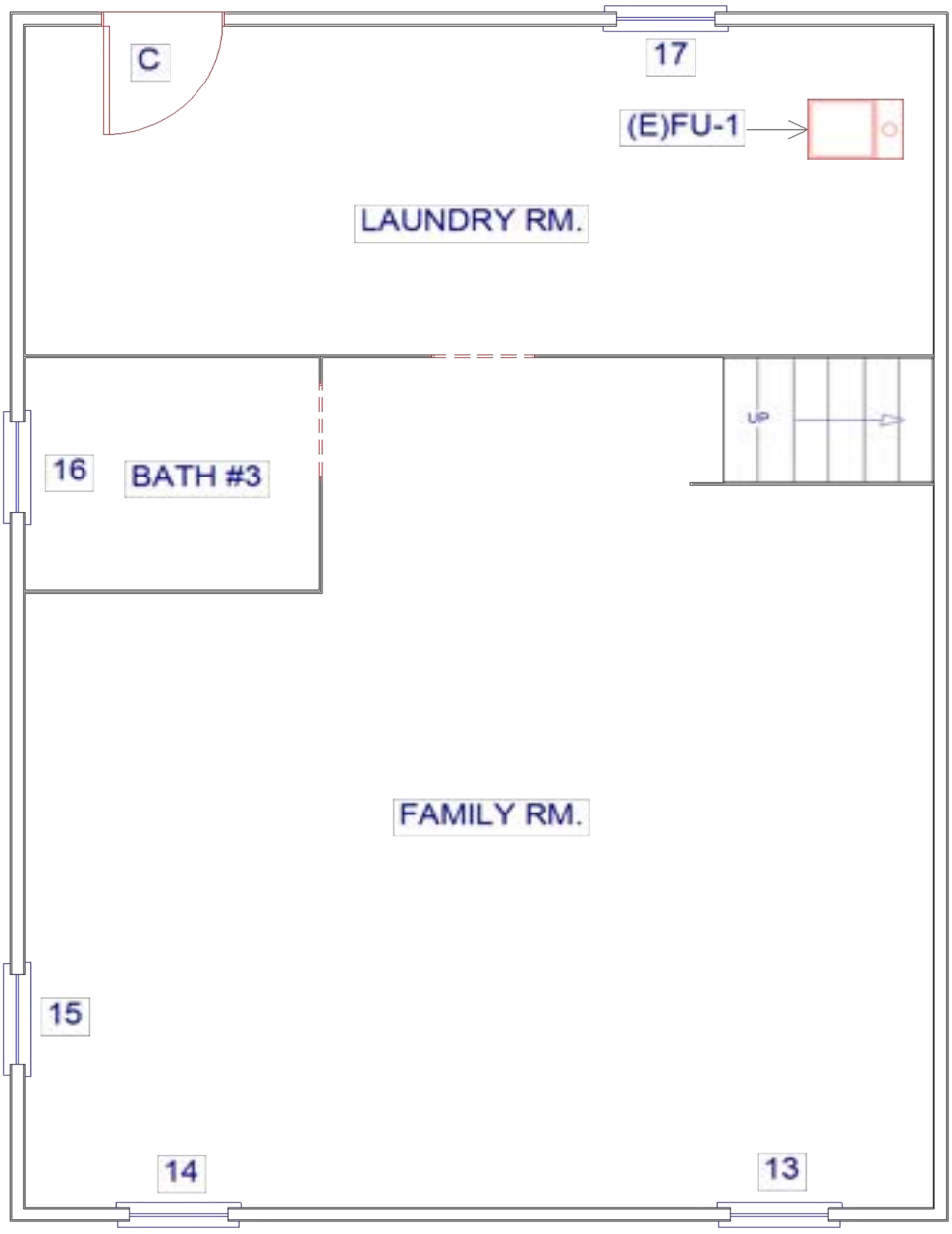
PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM			
		Phase:	**4**
		PPN:	**228**
Address:	**280 Wheeling Avenue**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

BASEMENT/CRAWLSPACE PLAN



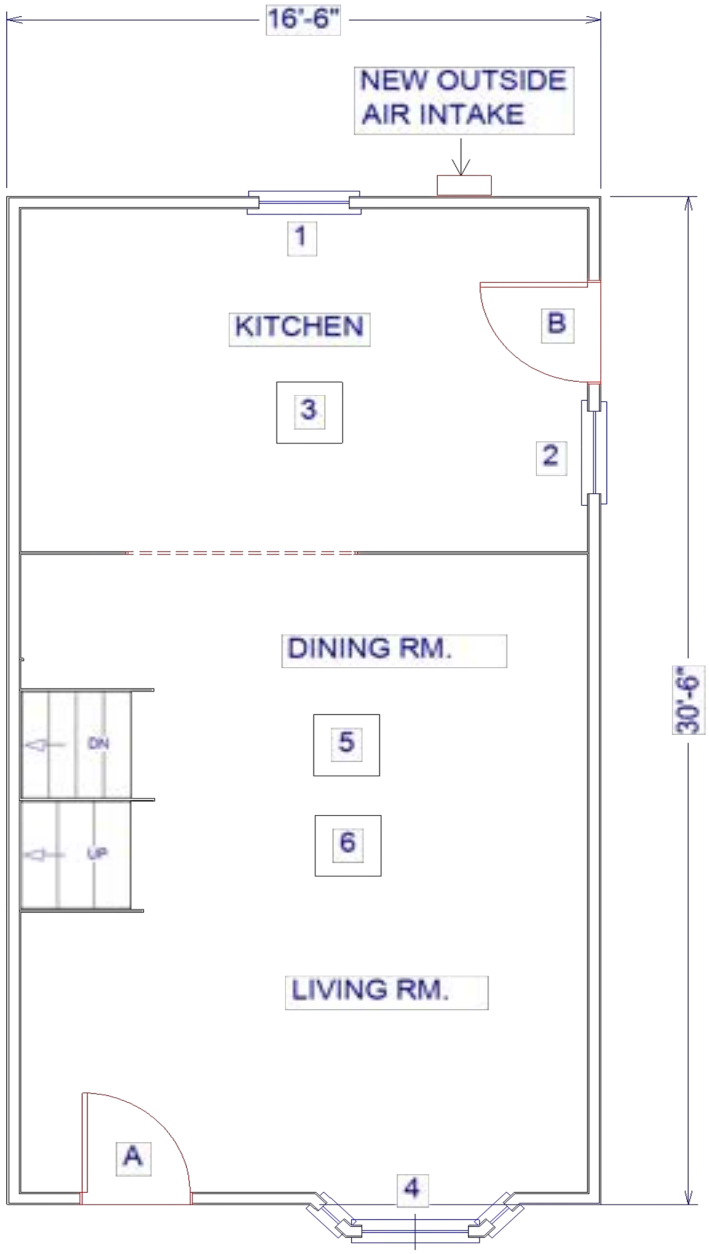
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **228**
Address: **280 Wheeling Avenue**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



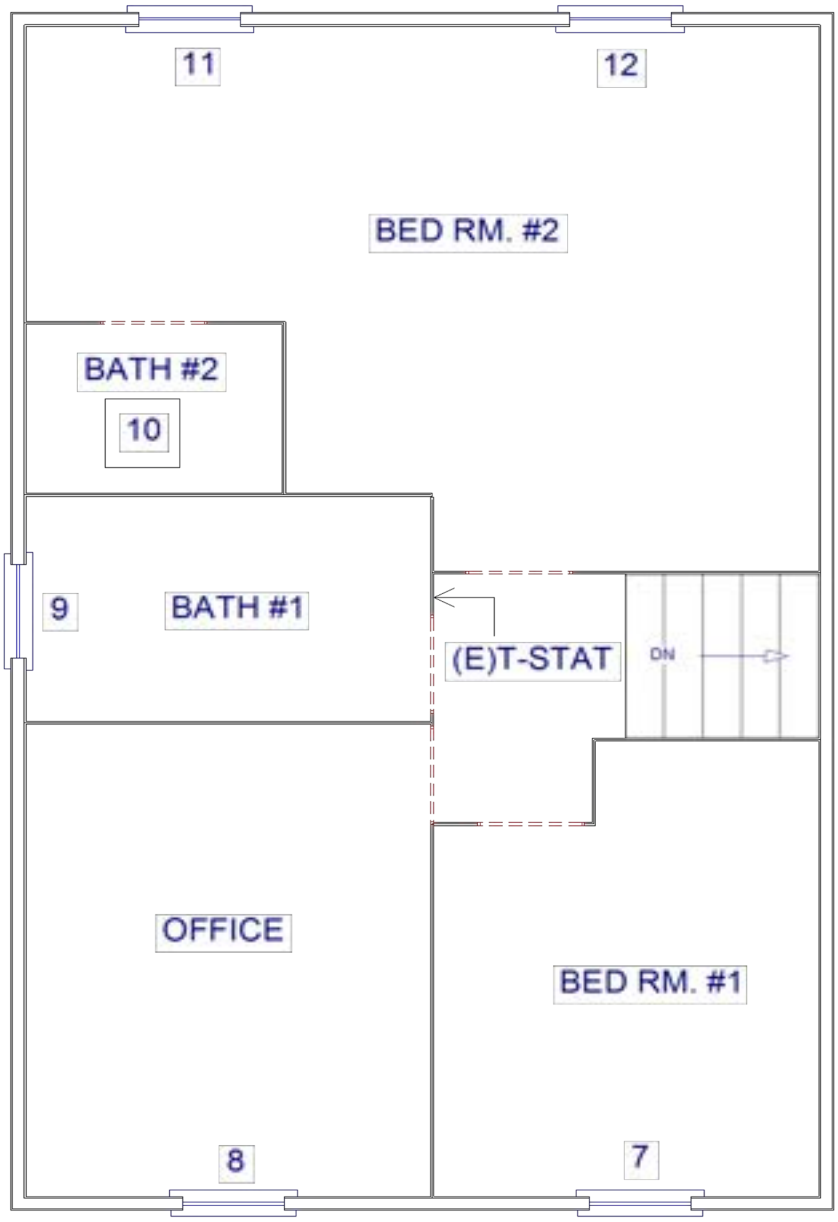
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**228**
Address:	**280 Wheeling Avenue**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **228**
Address: **280 Wheeling Avenue**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	35	37	DH	DH		VL	VL		2.1	
2	50	42	DH-DH	DH-DH		VL	VL		2.1	
3	48	48	SKY		YES	WD	VL		6.4	INTERIOR STORM.
4	103	60	BAY	BAY		VL	VL		2.1	1-1-1-1 CONFIGURATION. DH-FX-FX-DH. 16" PROJECTION.
5	48	48	SKY		YES	WD	VL		6.4	INTERIOR STORM.
6	48	48	SKY		YES	WD	VL		6.4	INTERIOR STORM.
7	68	36	SL	SL		VL	VL		2.1	
8	68	36	SL	SL		VL	VL		2.1	
9	37	28	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS. TILE RETURNS.
10	24	24	SKY		YES	WD	VL		6.4	INTERIOR STORM.
11	68	36	SL	SL		VL	VL		2.1	
12	68	36	SL	SL		VL	VL		2.1	
13	66	26	SL	SL		VL	VL		2.1	TEMPERED GLASS.
14	66	26	SL	SL		VL	VL		2.1	TEMPERED GLASS.
15	66	26	SL	SL		VL	VL		2.1	TEMPERED GLASS.
16	36	25	SL	SL		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
17	66	26	SL	SL		VL	VL		2.1	TEMPERED GLASS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

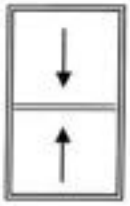
	Phase: **4**
	PPN: **228**
Address: **280 Wheeling Avenue**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

PPN# 228

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG

Location



FIXED

Location



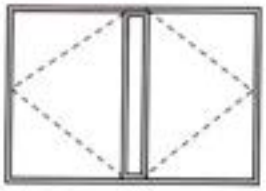
SLIDER

Location



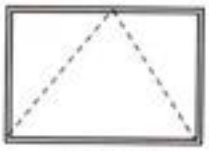
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

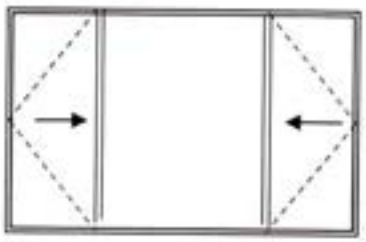
- ☐ Bay
- ☐ Bow
- ☐ Other

Location

Grille Styles



☐ Match existing configuration (ie.vertical only)



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration:

Location

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

- ☒ WHITE
- ☐ ALMOND/BEIGE

PHASE 4
CORSASIS
280 WHEELING AVE

PPN 228

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

- ☒ All windows to be replaced in kind
- ☐ Exceptions noted in field indicated above

5/18/26

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	81	NO	YES	YES	NO	NO	STANDARD	20	RELOCATE EXISTING DOORBELL.
B	32	80	NO	YES	YES	NO	NO	STANDARD	20	
C	32	79	NO	YES	YES	NO	NO	STANDARD	20	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 228
Address: **280 Wheeling Avenue**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 228

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☒ Steel
- ☐ Wood
- ☒ Peep Hole

DOOR C

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P4



- ☐ Fiberglass
- ☒ Steel
- ☐ Wood
- ☒ Peep Hole

DOOR A, B

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☐ Fiberglass
- ☐ Wood

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4
CORSASIS
280 WHEELING AVE
PPN 228

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner 5/8/26 Date

Rev. 02/24

QUIETERHOME PROGRAM

PPN# 228

Exterior Storm Door Style Selections

S1



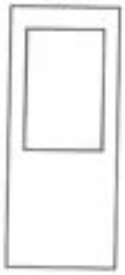
Location

S2



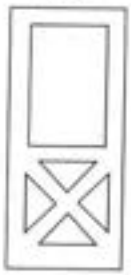
Location

S3



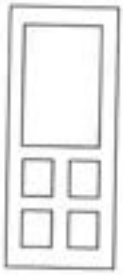
Location

S4



Location

S5



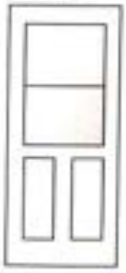
Location

S6



Location

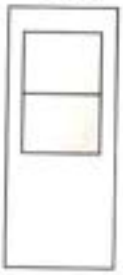
S7



Doors A, B & C

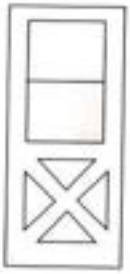
Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 228
CORSASIS
280 WHEELING AVE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

5/18/26

Homeowner Date

Rev. 02/21

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27304

RE: Limited Asbestos & Lead Inspections
228 Corsasis
280 Wheeling Avenue
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 280 Wheeling Avenue, Wheeling, Illinois 60090.

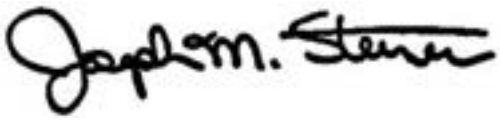
The findings of the attached reports showed ten (10) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Eighty-eight(88) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **312 Wheeling Avenue**

Phase: **4**

PPN: **237**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.
[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.
[ ] Provide sealant around interior and exterior perimeter of all windows and doors.
[ ] Provide new exterior brake metal at all window replacement locations.
[ ] Replace existing doors with new prime doors and storm doors as scheduled.
[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".
[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

HVAC

[ ] Provide new insulated outside air intake and exhaust duct(s) with wall cap and locking quadrant damper. Exact location to be determined by Contractor/Engineer at time of construction.
[ ] Provide new bathroom fan(s) and/or fanlight(s) . Terminate exhaust ductwork at exterior of home with exterior hood/rain cap.
[ ] See floor plan(s) for approximate locations of mechanical equipment and mechanical schedule for quantities/sizing. Coordinate all final locations with Homeowner and Engineer.
[ ] See Division(s) 2, 23, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

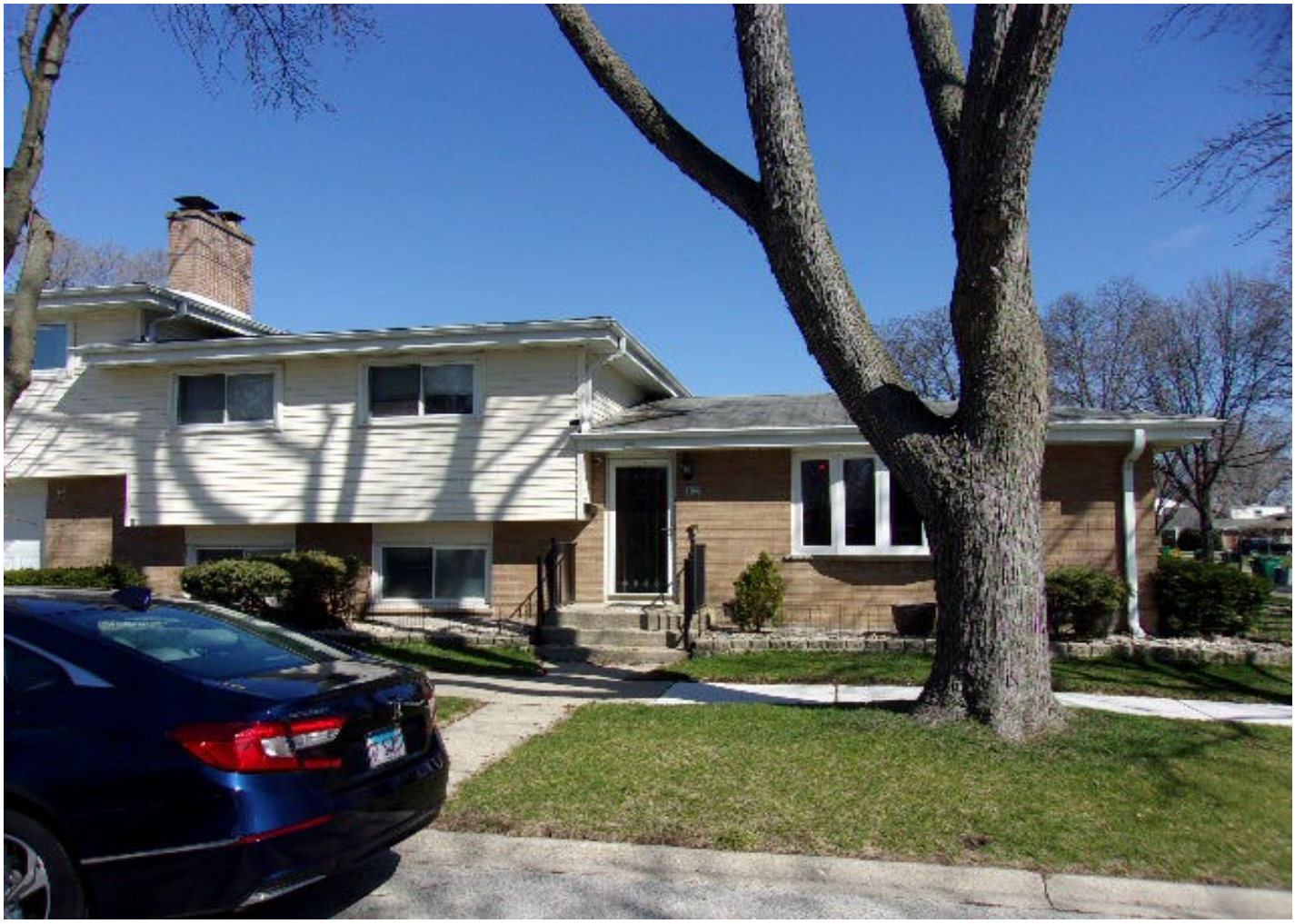
Electrical

[ ] Provide power and control wiring to new bath exhaust fans and/or fresh air intake.
[ ] See Division(s) 2, 26 and 28 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has vinyl siding.
[ ] Basement floor is finished with hardwood.
[ ] Basement walls are finished with GWB.
[ ] Basement ceiling is finished with GWB.

PHOTO

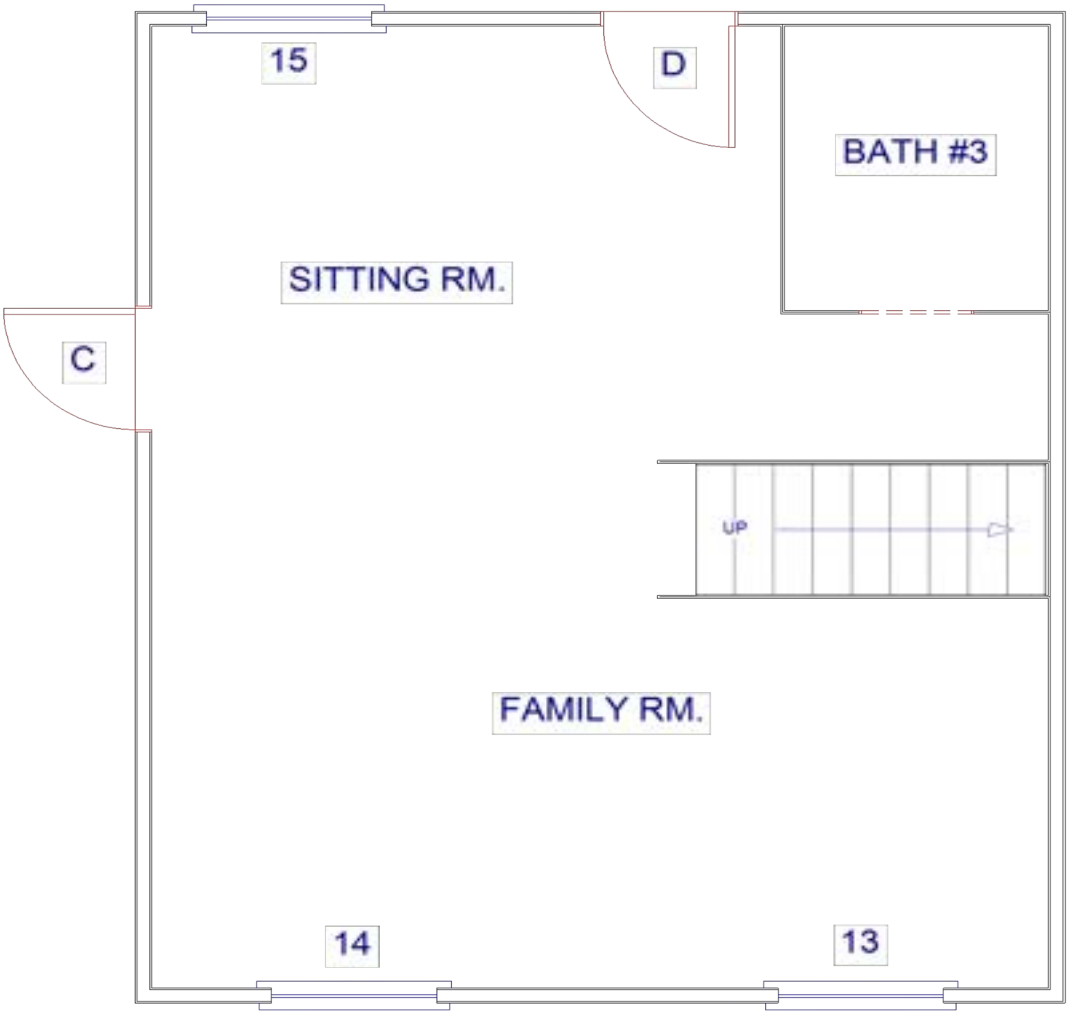


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**237**
Address:	**312 Wheeling Avenue**	Revised:	
Town:	**Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

LOWER LEVEL PLAN



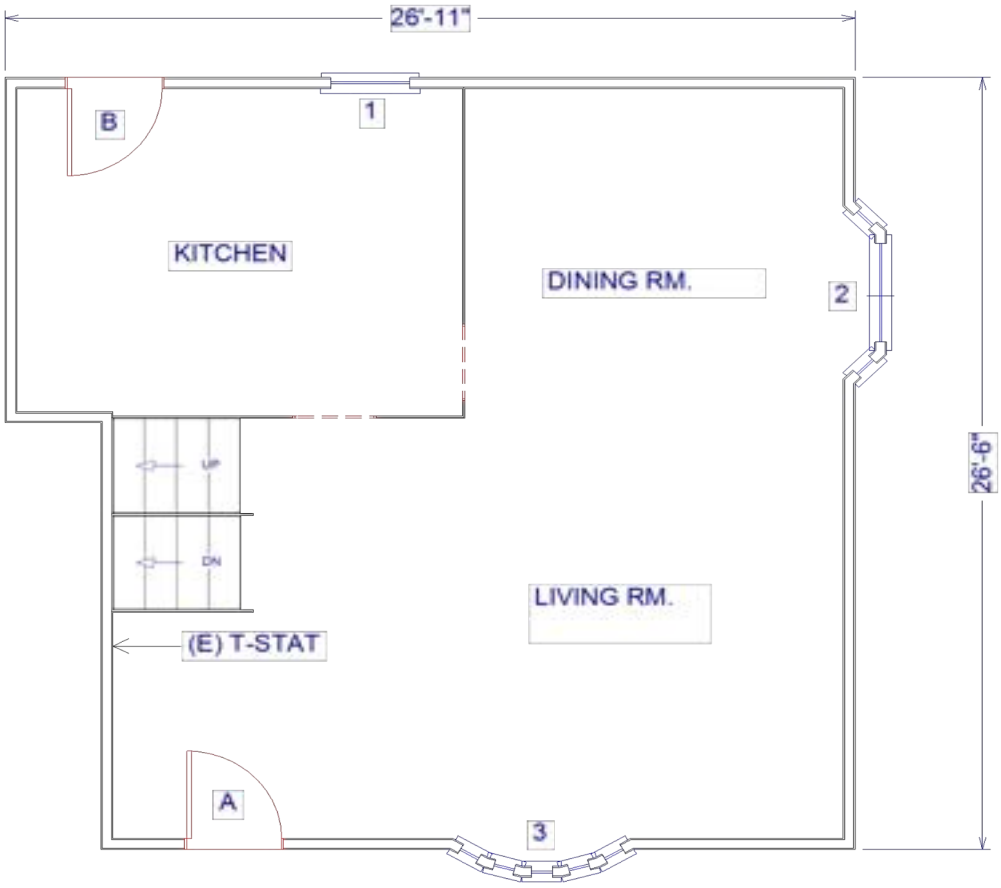
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **237**
Address: **312 Wheeling Avenue**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **237**
Address: **312 Wheeling Avenue**	Revised:
Town: **Wheeling**	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

SECOND FLOOR PLAN



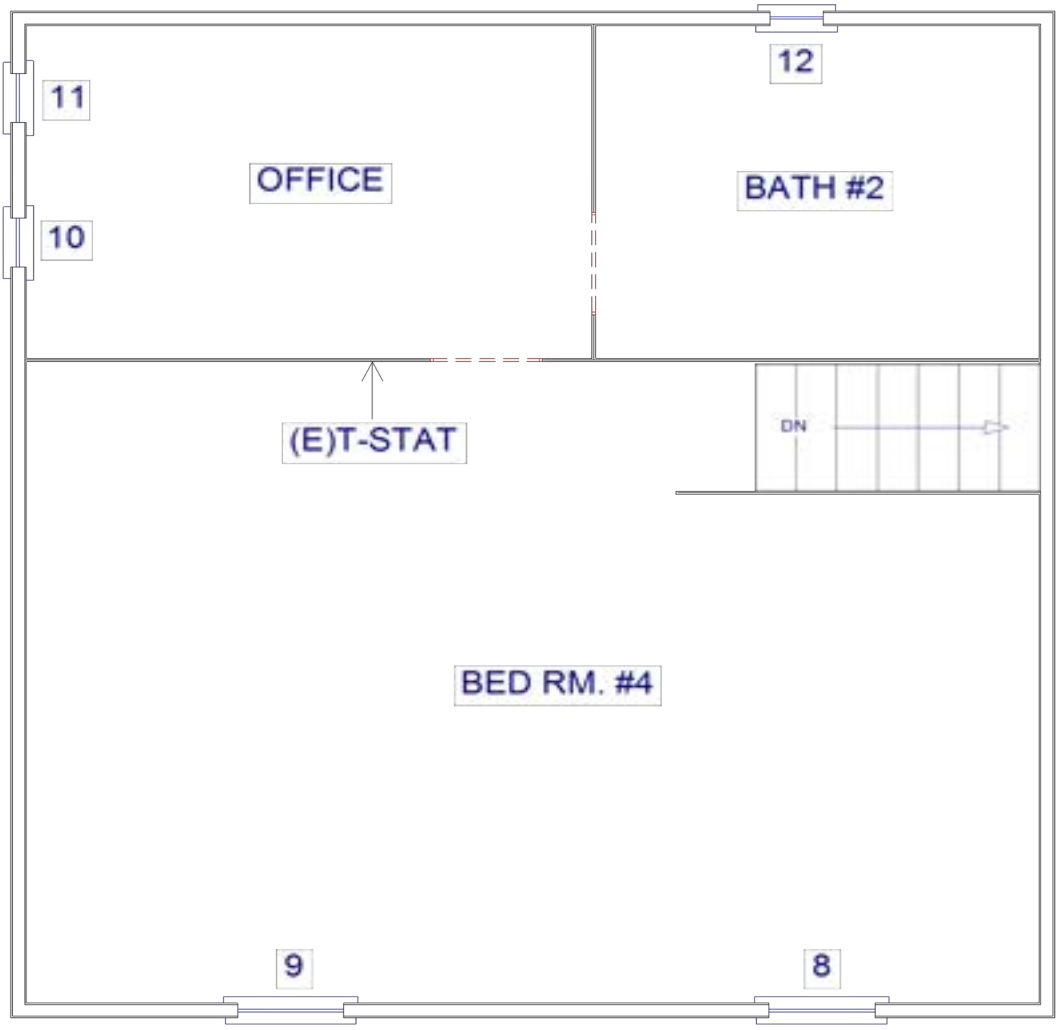
NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **237**
Address: **312 Wheeling Avenue**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

THIRD FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **237**
Address: **312 Wheeling Avenue**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	39	52	DH	DH		VL	VL		2.1	
2	89	54	BAY	BAY		VL	VL		9.0	1-1-1-1 CONFIGURATION. CS-FX-FX-CS. 15" PROJECTION.
3	111	54	BAY	BAY		VL	VL		9.0	1-1-1-1-1 CONFIGURATION. FX-CS-FX-CS-FX. 18" PROJECTION.
4	67	34	SL	SL		VL	VL		2.1	
5	67	34	SL	SL		VL	VL		2.1	
6	67	34	SL	SL		VL	VL		2.1	
7	35	26	SL	SL		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
8	68	35	SL	SL		VL	VL		2.1	
9	68	35	SL	SL		VL	VL		2.1	
10	9	31	FX	FX		VL	VL		2.1	OPAQUE GLASS.
11	9	31	FX	FX		VL	VL		2.1	OPAQUE GLASS.
12	19	25	DH	DH		VL	VL		2.1	OPAQUE GLASS. TEMPERED GLASS.
13	68	36	SL	SL		VL	VL		2.1	TEMPERED GLASS.
14	68	36	SL	SL		VL	VL		2.1	TEMPERED GLASS.
15	52	35	SL	SL		VL	VL		2.1	TEMPERED GLASS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

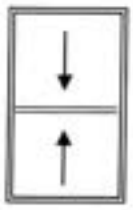
	Phase: **4**
	PPN: **237**
Address: **312 Wheeling Avenue**	Revised:
Town: **Wheeling**	C&S COMPANIES® **QuieterHome® Program**

PPN# 237

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

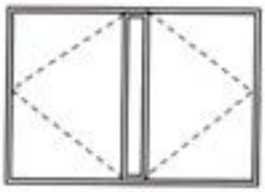
Location

Location

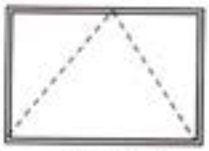
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

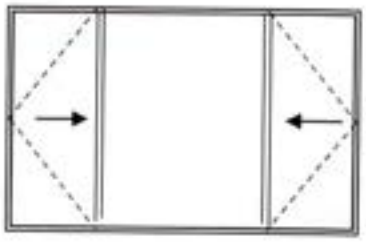
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other _____

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration: _____

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL (TOP SASH ONLY) | DIAMOND | DIAMOND (TOP SASH ONLY)

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☑ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☑ All windows to be replaced in kind

☐ Exceptions noted in field indicated above

PHASE 4
SY
312 WHEELING AVE

PPN 237

Homeowner

5/5/26
Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	36	80	YES	YES	YES	NO	NO	STANDARD	20	
B	32	80	YES	YES	YES	NO	NO	STANDARD	20	LEVER HANDLE.
C	31	77	NO	YES	NO	NO	NO	STANDARD	20	LEVER HANDLE.FIRE RATED DOOR.
D	32	77	YES	YES	YES	NO	NO	STANDARD	20	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**	PPN: **237**
Address: **312 Wheeling Avenue**		
Town: **Wheeling**	C&S COMPANIES®	**QuieterHome® Program**

Exterior Prime Door Style Selections

PPN# 231

QUIETERHOME PROGRAM

P1



No Glass

- ☐ Fiberglass
- ☐ Steel
- ☐ Wood
- ☐ Peep Hole

Location

P2



No Glass

- ☐ Wood
- ☐ Peep Hole

Location

P3



- ☒ Fiberglass
- ☐ Steel
- ☐ Wood
- ☒ Peep Hole

Door A

Location

P4



- ☒ Fiberglass
- ☐ Steel
- ☐ Wood
- ☒ Peep Hole

Door B
Door D

Location

P5



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P6



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P7



- ☐ Fiberglass
- ☐ Wood

Location

P8



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

P9



- ☐ Fiberglass
- ☐ Steel
- ☐ Wood

Location

Note: Wood can be painted or stained / Fiberglass and Steel can only be painted.

- **Color selection to be determined at measurement walk-through.**
- **Shaded area shows where there is glass. Frosted glass available but must be noted.**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**

Homeowner Label

PHASE 4 PPN 237
SY
312 WHEELING AVE

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner

5/5/26
Date

Rev. 02/24

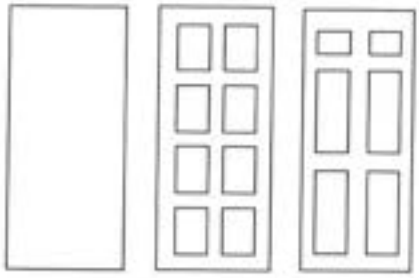
Exterior Prime Door Style Selections

PPN# 231

QUIETERHOME PROGRAM

Interior Solid Core Door
Interior Door = Wood

P10 **P11** **P12**



Location

Solid Core Door-Fire Rated

P13



☐ Steel
☐ Wood

Location

P14



☒ Steel
☐ Wood

Door C

Location

P15



Right or Left to match existing

Single Sidelite Door

Location

Sidelite Style

P16

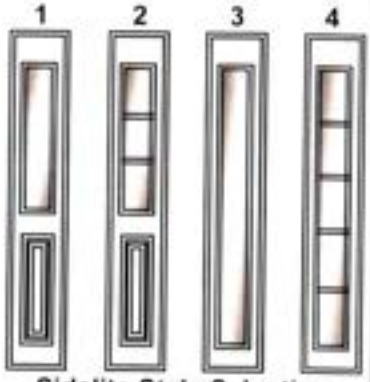


Double Sidelite Door

Location

Sidelite Style

1 **2** **3** **4**



Sidelite Style Selection

Note: Sidelites to be provided by same door manufacturer

Note:

- **Fiberglass and Wood can be painted or stained**
- **Steel can only be painted**
- **Color selection to be determined at measurement walk-through**
- **Shaded area shows where there is glass**
- **Door styles are schematic only. Actual doors may vary in regard to overall glass area, dimensions, etc.**
- **Clear glass is provided as a standard in all doors. Frosted glass can be provided but must be specified on the selection sheet.**

Homeowner Label

PHASE 4 PPN 237
SY
312 WHEELING AVE

I have reviewed the Style selections on this sheet and understand these to be final.

Homeowner Signature 5/5/26 Date

Rev. 01/20

QUIETERHOME PROGRAM

Exterior Storm Door Style Selections

PPN# 237

S1



Door A

Location

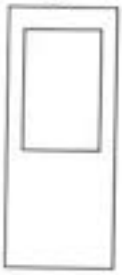
S2



Door B

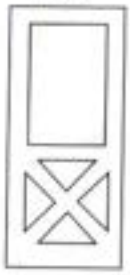
Location

S3



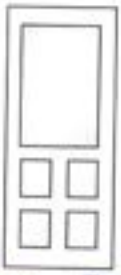
Location

S4



Location

S5



Door D

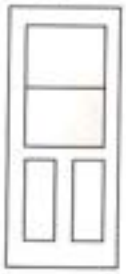
Location

S6



Location

S7



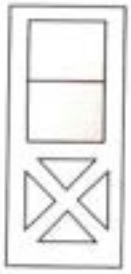
Location

S8



Location

S9



Location

- **Self-Storing Storm Doors S6-S9**

STORM DOOR HARDWARE:

Note: Hardware selection will be made at the *measurement walk through visit with the contractor.*

Polished Brass and Satin Nickel

STORM DOOR COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

Homeowner Label

PHASE 4 PPN 237
SY
312 WHEELING AVE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner 5/5/26 Date

Rev. 02/21

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 7, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27289

RE: Limited Asbestos & Lead Inspections
237 Thuong Sy
312 Wheeling Avenue
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 312 Wheeling Avenue, Wheeling, Illinois 60090.

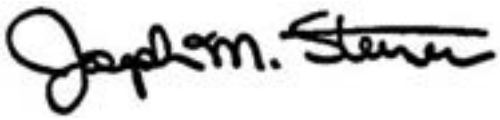
The findings of the attached reports showed Twelve (12) samples were analyzed for asbestos content with one (1) samples found to contain asbestos >1% asbestos.

Seventy-six (76) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#237 Thuong Sy
312 Wheeling Avenue
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 7, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 7, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27289

RE: Limited Asbestos Inspection
#237
312 Wheeling Avenue
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 312 Wheeling Avenue, Wheeling, Illinois 60090. Twelve(12) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. One (1) sample was found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

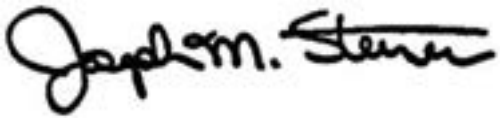
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447

Reviewed by,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



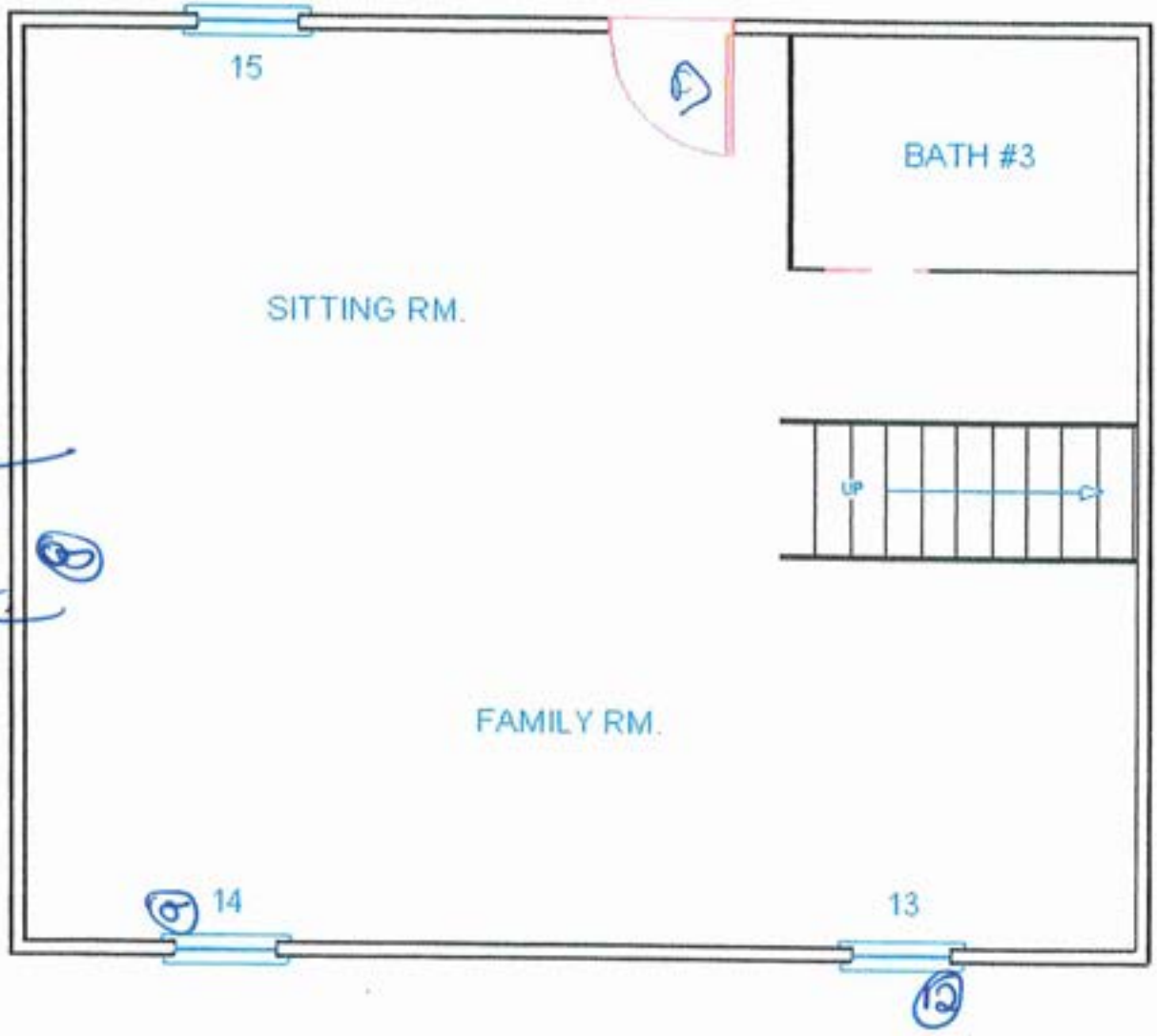
Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27289-04-0701	1st Level, Window Caulk on Window (2)	Good	No	High	None Detected
27289-04-0702	1st Level, Brown Stain on bay Window (2)	Good	No	High	None Detected
27289-04-0703	1st Level, Back Door Caulking Cream (1)	Good	No	High	None Detected
27289-04-0704	1st Level, White Bedroom Window Caulk (9)	Good	No	High	None Detected
27289-04-0705	2nd Level, White Bathroom Window Caulk (1)	Good	No	High	None Detected
27289-04-0706	2nd Level, White Window Caulk (9)	Good	No	High	None Detected
27289-04-0707	3rd Level, Small Window White Paint(3)	Good	No	High	None Detected
27289-04-0708	Lower Level, White Door Paint (2)	Good	No	High	None Detected
27289-04-0709	Lower Level White Window Caulk (9)	Good	No	High	None Detected
27289-04-0710	Exterior Grey Door Caulking (2)	Good	No	High	1.5 % Chrysotile
27289-04-0711	Exterior Bay Window White Caulk (2)	Good	No	High	None Detected
27289-04-0712	Exterior White Window Caulk (9)	Good	No	High	None Detected

Lower Level

N



W

E

Thuong

3rd Level



Thuong

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 08, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27289
JMS Batch: 38400

Re: Bulk Asbestos Analyses of sample(s) received 4/7/2026.
#237Thuongsy 312 Wheeling Ave

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #237Thuongsy 312 Wheeling Ave
Client Project Ref:

Project Number: J-27289
Work Order: 38295
Batch Number: 38400

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392612	--	27289-04-0701	Homogeneous White Caulking	---NON-FIBROUS---					
392613	--	27289-04-0702	Homogeneous Tan Caulking	--	--	--	<1	--	--
392614	--	27289-04-0703	Heterogeneous White, Tan Caulking	---NON-FIBROUS---					
392615	--	27289-04-0704	Homogeneous White Caulking	--	--	--	<1	--	--
392616	--	27289-04-0705	Homogeneous White Caulking	---NON-FIBROUS---					

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 08, 2026

JMS031.BulkRpt 01/2023

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #237Thuongsy 312 Wheeling Ave
Client Project Ref:

Project Number: J-27289
Work Order: 38295
Batch Number: 38400

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392617	--	27289-04-0706	Homogeneous Clear Caulking	---NON-FIBROUS---					
392618	--	27289-04-0707	Homogeneous White Paint	---NON-FIBROUS---					
392619	--	27289-04-0708	Homogeneous White Caulking	--	--	--	<1	--	--
392620	--	27289-04-0709	Homogeneous White Caulking	---NON-FIBROUS---					
392621	--	27289-04-0710	Homogeneous Tan Caulking	1.5	--	--	<1	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 08, 2026

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #237Thuongsy 312 Wheeling Ave
Client Project Ref:

Project Number: J-27289
Work Order: 38295
Batch Number: 38400

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392622	--	27289-04-0711	Homogeneous White Caulking	---NON-FIBROUS---					
392623	--	27289-04-0712	Homogeneous White Caulking	---NON-FIBROUS---					

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 08, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27289

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #237 312 Wheeling Ave
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by:
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27289-04-07 01	4/7/26	10:50	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27289-04-07 12			☐	☐		☐	☐		☑	☐	☐	☐	☐	☐	

Collected By:		Date:	4/7/26	Time:	10:50
Relinquished By:		Date:	4/7/26	Time:	11:50
Received By:		Date:	4/7/26	Time:	11:50am
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

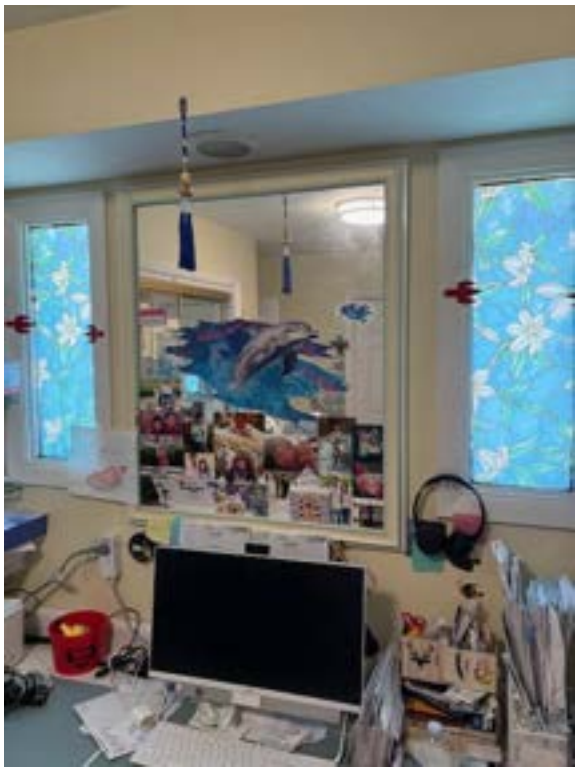
Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE

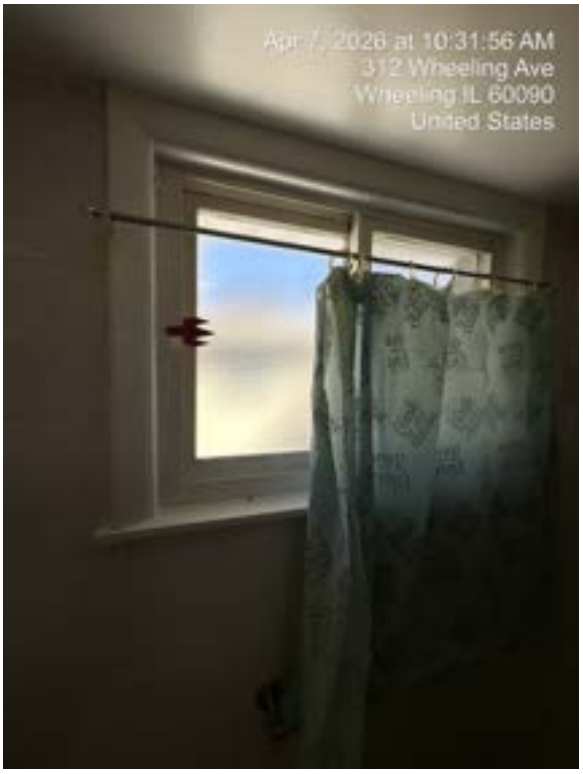

Apr 7, 2026 at 10:43:19 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:43:19 AM
312 Wheeling Ave
Wheeling IL 60090
United States




Apr 7, 2026 at 10:22:31 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:31:42 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:31:56 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:32:20 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:38:10 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:38:12 AM
312 Wheeling Ave
Wheeling IL 60090
United States

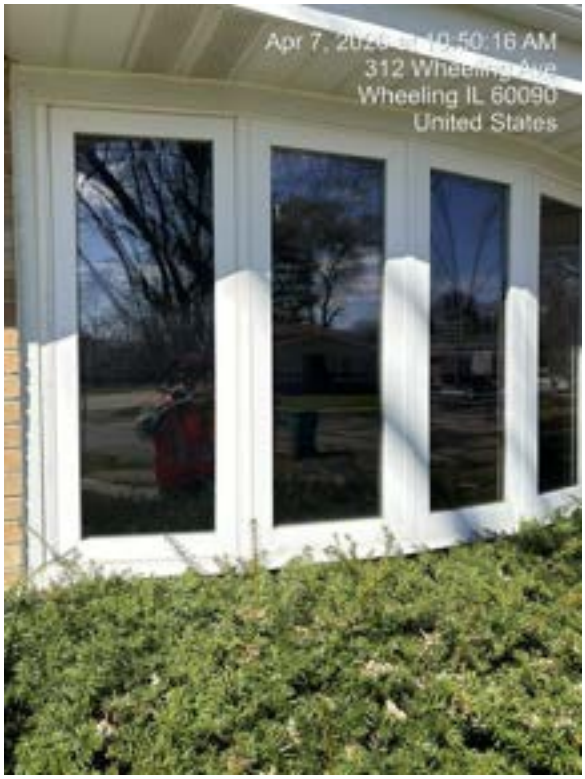

312 Wheeling Ave
United States


Apr 7, 2026 at 10:42:52 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:43:59 AM
101–199 Mors Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:44:24 AM
312 Wheeling Ave
Wheeling IL 60090
United States


Apr 7, 2026 at 10:45:20 AM
312 Wheeling Ave
Wheeling IL 60090
United States
312


312 Wheeling Ave
Wheeling IL 60090
United States



LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

237-312 South Wheeling Avenue
Wheeling, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 7th, 2026. Inspection activities were performed by Mr. Thomas Hartenburg (IDPH #1002493 and Mr. Scott Anderson (IDPH #1002002). Both are Illinois Department of Public Health (IDPH) licensed Lead Building Inspectors. Copies of Mr. Hartenburg's and Mr. Anderson's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family, split-level home consisting of two floors with an add-on and basement with 4 bedrooms on the upper levels with a total of 15 windows and 4 doors. The interior walls and ceilings are drywall. The windows are unpainted vinyl with wooden frames in the interior. The doors are metal-clad wood with wood frames. The exterior windows are also unpainted vinyl surrounded by unpainted yellow vinyl siding or brick.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) and The Illinois Department of Health (IDPH) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					1.00	PASS
					1.01	PASS
					1.00	PASS
140 SOUTH WHEELING AVENUE						
Bedroom 1	C-Window 4- Wall	Drywall	Yellow	Intact	0.09	Negative
Bedroom 1	C-Window 4- Frame	Wood	White	Intact	0.01	Negative
Bedroom 1	C-Window 4- Sill	Wood	White	Intact	0.04	Negative
Bedroom 1	C-Window 4- Window	Vinyl	White	Intact	0.00	Negative
Bedroom 2	C-Window 5- Wall	Drywall	Light Tan	Intact	0.01	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Bedroom 2	C-Window 5- Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	C-Window 5- Sill	Wood	White	Intact	0.01	Negative
Bedroom 2	C-Window 5- Window	Vinyl	White	Intact	0.00	Negative
Bedroom 3	A-Window 6- Wall	Wood	Yellow	Intact	0.00	Negative
Bedroom 3	A-Window 6- Frame	Wood	White	Intact	0.01	Negative
Bedroom 3	A-Window 6- Sill	Wood	White	Intact	0.00	Negative
Bedroom 3	A-Window 6- Window	Vinyl	White	Intact	0.00	Negative
Bathroom 1	A-Window 7- Wall	Ceramic	Off-White	Intact	0.07	Negative
Bathroom 1	A-Window 7- Frame	Wood	White	Intact	0.01	Negative
Bathroom 1	A-Window 7- Sill	Wood	White	Intact	0.01	Negative
Bathroom 1	A-Window 7- Window	Vinyl	White	Intact	0.00	Negative
Bedroom 4	C-Window 8- Wall	Wood	Yellow	Intact	0.05	Negative
Bedroom 4	C-Window 8- Frame	Wood	White	Intact	0.01	Negative
Bedroom 4	C-Window 8- Window	Vinyl	White	Intact	0.00	Negative
Bedroom 4	C-Window 9- Wall	Drywall	Yellow	Intact	0.00	Negative
Bedroom 4	C-Window 9- Frame	Wood	White	Intact	0.08	Negative
Bedroom 4	C-Window 9- Window	Vinyl	White	Intact	0.24	Negative
Bedroom 4- Closet	D-Windows 10 & 11- Wall	Drywall	Yellow	Intact	0.00	Negative
Bedroom 4- Closet	D-Windows 10 & 11- Frame	Wood	White	Intact	0.00	Negative
Bedroom 4- Closet	D-Windows 10 & 11- Window	Vinyl	White	Intact	0.00	Negative
Bathroom 2	A-Window 12- Wall (Soffit)	Drywall	White	Intact	0.00	Negative
Bathroom 2	A-Window 12- Frame	Wood	White	Intact	0.00	Negative
Bathroom 2	A-Window 12- Window	Vinyl	White	Intact	0.00	Negative
Basement Family Room	C-Windows 13 & 14 Frame	Wood	Brown	Intact	0.00	Negative
Basement Family Room	C-Windows 13 & 14- Wall	Drywall	Yellow	Intact	0.00	Negative
Basement Family Room	Windows 13 & 14 Window	Vinyl	White	Intact	0.00	Negative
Basement Family Room	D-Door C- Wall	Drywall	Yellow	Intact	0.00	Negative
Basement Family Room	D-Door C- Frame	Wood	White	Intact	0.00	Negative
Basement Family Room	D-Door C- Door	Wood	White	Intact	0.00	Negative
Basement Sitting Room	A-Window 15- Wall	Wood	Yellow	Intact	0.00	Negative
Basement Sitting Room	A-Window 15- Frame	Wood	White	Intact	0.00	Negative
Basement Sitting Room	A-Window 15- Window	Vinyl	White	Intact	0.00	Negative
Basement- Sitting Room	A-Door D- Wall	Drywall	Yellow	Intact	0.00	Negative
Basement- Sitting Room	A-Door D- Frame	Wood	White	Intact	0.00	Negative
Basement- Sitting Room	A-Door D- Door	Wood	White	Intact	0.00	Negative
Main Floor- Kitchen	A-Door B- Door	Wood	White	Intact	0.00	Negative
Main Floor- Kitchen	A-Door B- Frame	Wood	White	Intact	0.00	Negative
Main Floor- Kitchen	A-Door B- Wall	Drywall	Yellow	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Main Floor- Kitchen	A-Window 1- Wall	Drywall	Yellow	Intact	0.00	Negative
Main Floor- Kitchen	A-Window 1- Wall	Wood	Yellow	Intact	0.00	Negative
Main Floor- Kitchen	A-Window 1- Frame	Wood	Brown	Intact	0.00	Negative
Main Floor- Kitchen	A-Window 1- Window	Vinyl	White	Intact	0.00	Negative
Main Floor- Dining Room	B-Window 2- Wall	Drywall	Yellow	Intact	0.00	Negative
Main Floor- Dining Room	B-Window 2- Frame	Wood	Brown	Intact	0.00	Negative
Main Floor- Dining Room	B-Window 2- Sill	Wood	Brown	Intact	0.00	Negative
Main Floor- Dining Room	B-Window 2- Window	Vinyl	White	Intact	0.01	Negative
Main Floor- Living Room	C-Window 3- Wall	Drywall	Yellow	Intact	0.00	Negative
Main Floor- Living Room	C-Window 3- Frame	Wood	Brown	Intact	0.02	Negative
Main Floor- Living Room	C-Window 3- Sill	Wood	Brown	Intact	0.00	Negative
Main Floor- Living Room	C-Window 3- Window	Vinyl	White	Intact	0.00	Negative
Main Floor- Living Room	A-Window 12- Siding	Wood	Yellow	Intact	0.02	Negative
Main Floor- Living Room	C-Entry Door A- Wall	Drywall	Yellow	Intact	0.00	Negative
Main Floor- Living Room	C-Entry Door A- Frame	Wood	Brown	Intact	0.00	Negative
Main Floor- Living Room	C-Entry Door A- Jamb	Wood	Lt. Brown	Intact	0.00	Negative
Main Floor- Living Room	C-Entry Door A- Door	Wood	Brown	Intact	0.00	Negative
Front Exterior C (South)	C-Windows 9, 8, 5, 4- Siding	Vinyl	Yellow	Intact	0.00	Negative
Front Exterior C (South)	C-Windows 9, 8, 5, 4- Frame	Vinyl	White	Intact	0.00	Negative
Front Exterior C (South)	C-Windows 9, 8, 5, 4- Window	Vinyl	White	Intact	0.00	Negative
Front Exterior C (South)	C-Entry Door A- Siding (above door)	Vinyl	White	Intact	0.00	Negative
Front Exterior C (South)	C-Entry Door A- Frame	Vinyl	White	Intact	0.00	Negative
Front Exterior C (South)	C-Entry Door A- Door	Metal	Brown	Intact	0.00	Negative
Front Exterior C (South)	C-Window 3- Frame	Vinyl	White	Intact	0.00	Negative
Front Exterior C (South)	C-Window 3- Window	Vinyl	White	Intact	0.00	Negative
Exterior B East Face	B-Window 2- Frame	Vinyl	White	Intact	0.00	Negative
Exterior- B East Face	B-Window 2- Window	Vinyl	White	Intact	0.00	Negative
Rear Exterior D (West)	D-Windows 11 & 10- Windows	Vinyl	White	Intact	0.00	Negative
Rear Exterior D (West)	D-Windows 11 & 10- Frames	Vinyl	White	Intact	0.00	Negative
Rear Exterior D (West)	D-Windows 11 & 10- Siding	Vinyl	Yellow	Intact	0.00	Negative
Exterior A- North Face	A-Windows 12, 7, 6 and 1- Window	Vinyl	White	Intact	0.00	Negative
Exterior A- North Face	A-Windows 12, 7, 6 and 1- Frame	Vinyl	White	Intact	0.00	Negative
Exterior A- North Face	A-Windows 12, 7, 6 and 1- Siding	Vinyl	Yellow	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that No lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that SCOTT ANDERSON has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR01

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

N Peneff DrPH

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010


IDPH
LEAD INSPECTOR LICENSE
LEAD ID
1002002
ISSUED
9/5/2025
EXPIRES
1/31/2026
Scott Anderson
1202 N. 75th Street Unit 226
Downers Grove, IL 60516
ILLINOIS LEAD PROGRAM
Environmental Health

APPENDIX B

Photos, Field Data Sheets and Drawings





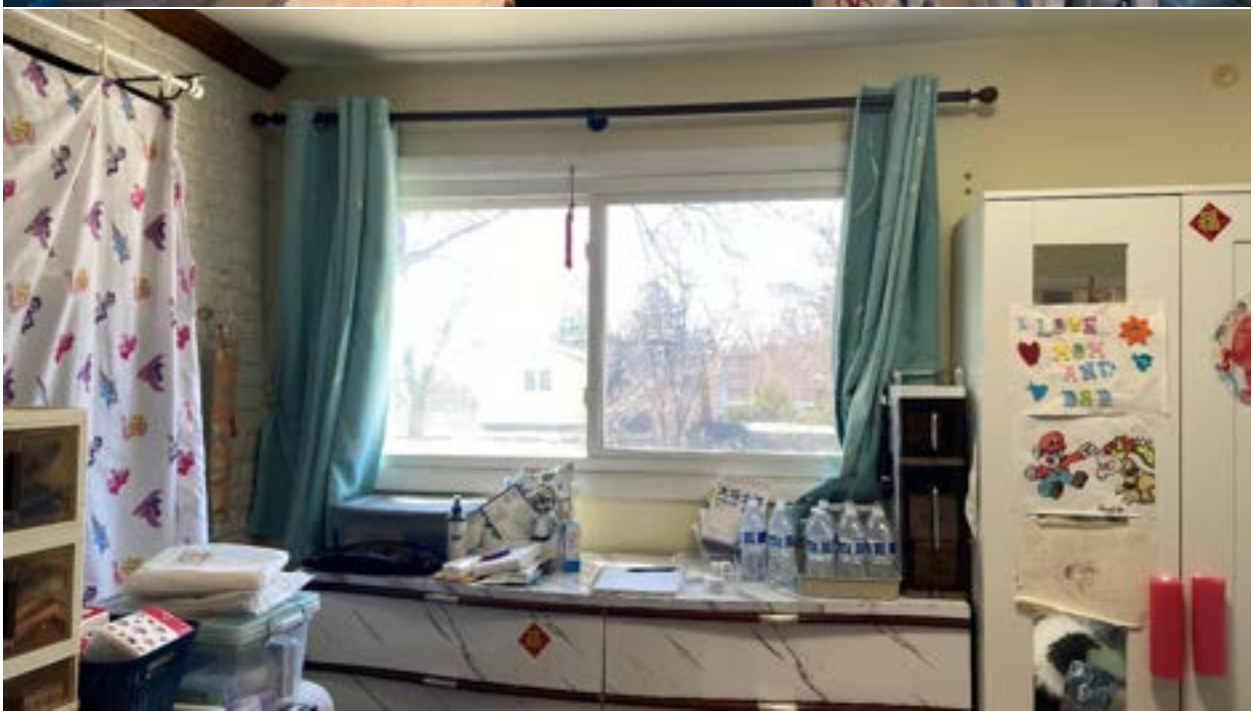










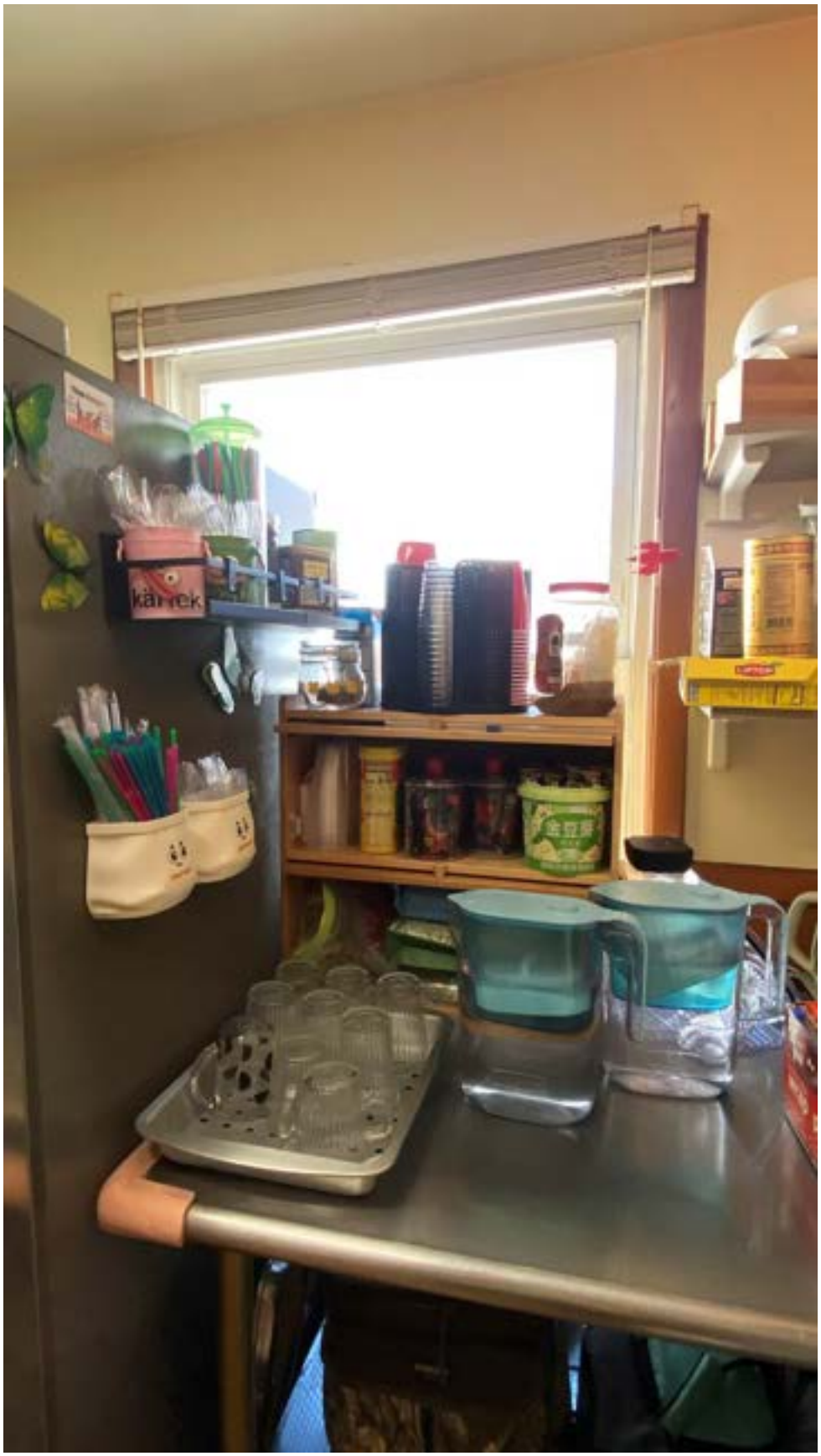






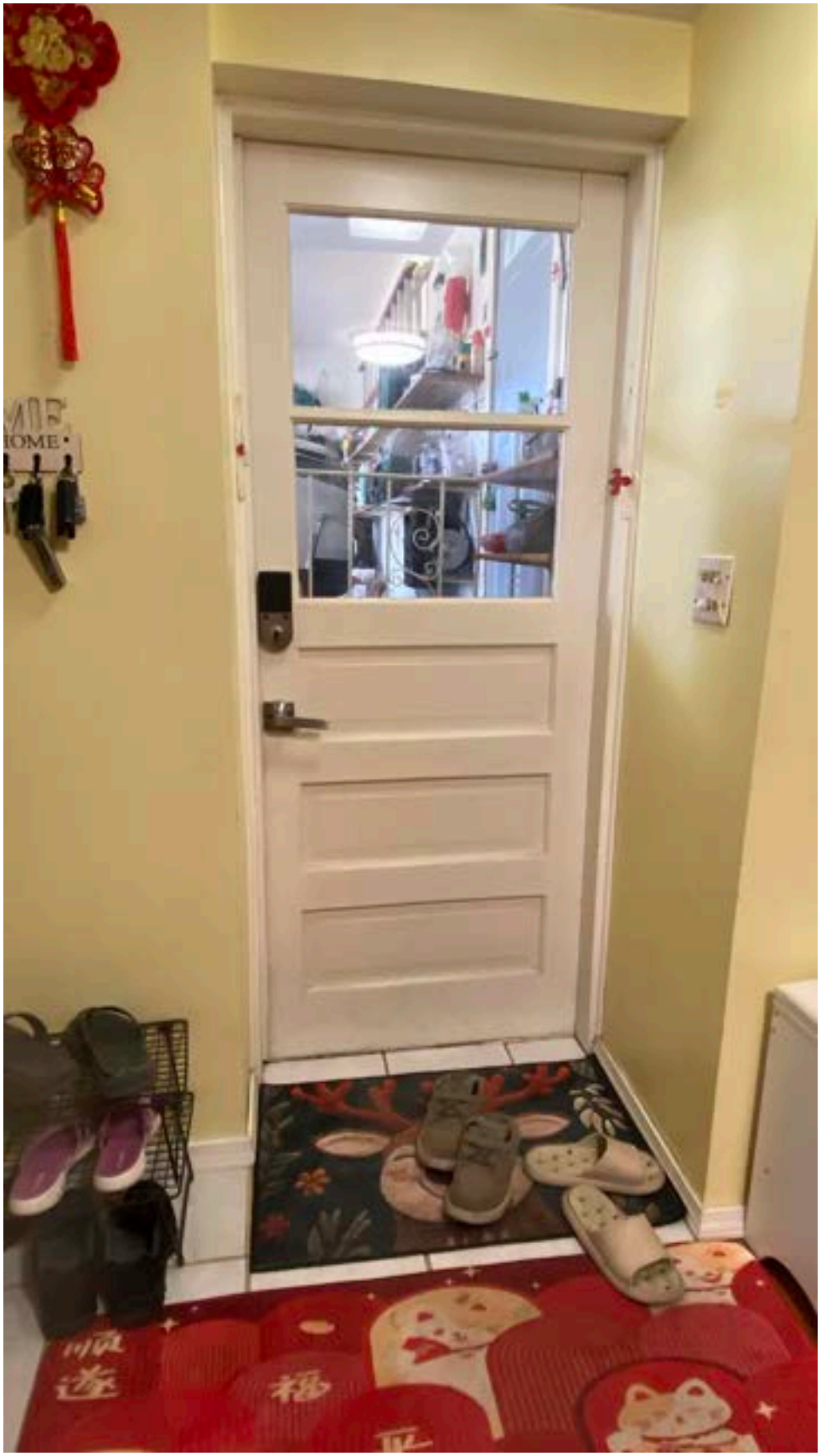


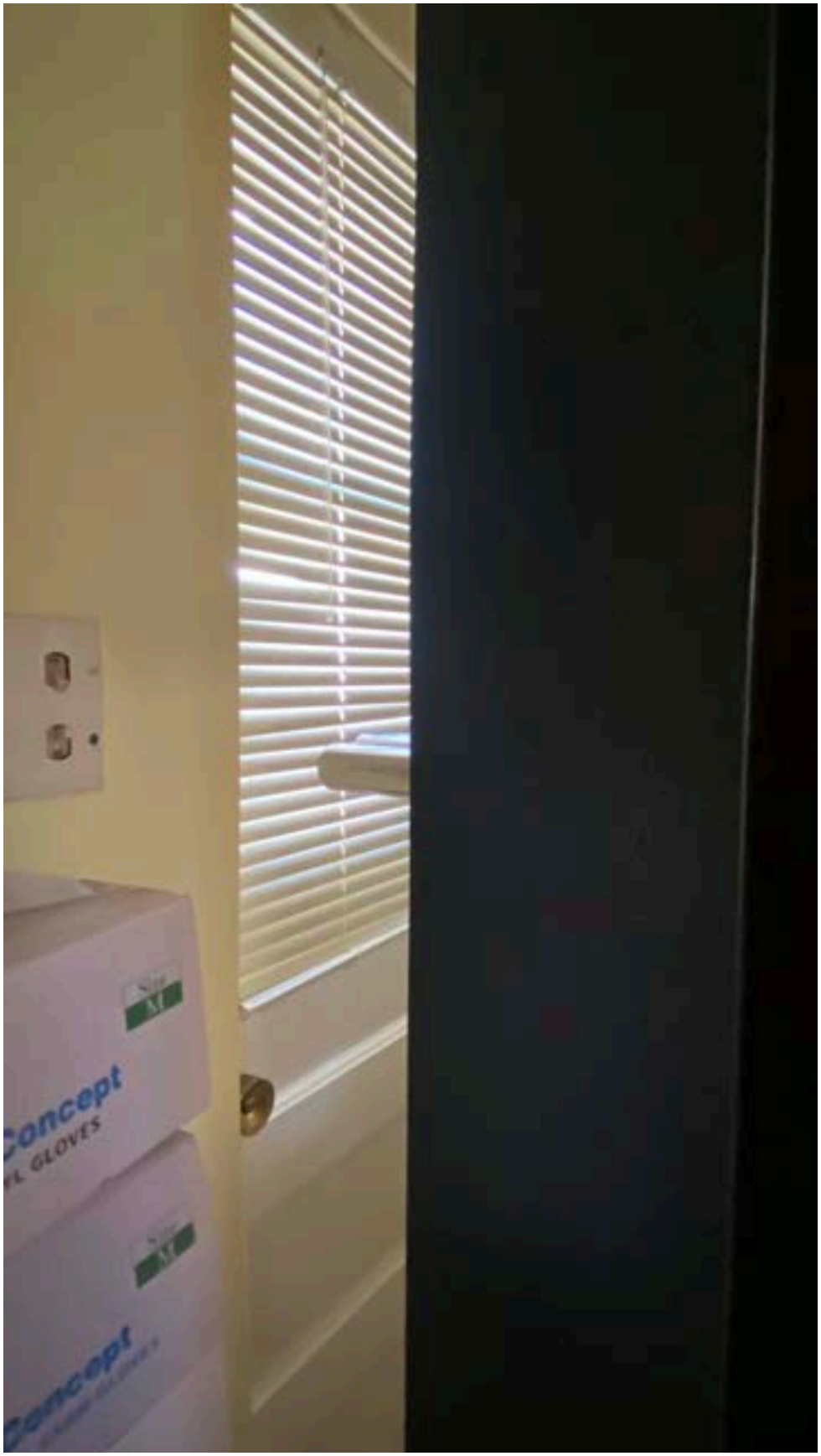





HOME






Concept
Concept







Lead Based Paint Data Sheet

Building/Address: 237-312 S Wheeling Ave Inspection Date: 4-7-2026 XRF File #:

Functional Space: Windows Inspector: Tom Hartenburg License #: 1002493

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature:

Room Identification Location	Component		Substrate	Color	Condition Assessment	Estimated Damage (%)	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
Bedroom #1	Window #4	wall	dw	yellow			0.09	N/A	Negative
		frame	wood	white			6.01		
		sill	W	W			6.04		
		window	vinyl	—		NO paint	0.00		
2	#5	W	dw	Mtan			0.09		
		F	wood	white			↓		
		S	wood	White					
		W	vinyl	—		NO paint			
3	#6	W	dw	yellow			0.01		
		F	W	white			0.01		
		S	W				0.08		
		W	dw				0.00		
bathroom #1	window #7	wall	ceramic	peach/white			0.07		
			frame	white			↓		
			sill						
			window	vinyl			—		
bed #4	window B	wall	dw	dw	lt yellow		0.05	↓	↓

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

Lead Based Paint Data Sheet

Building/Address: 237 3125 Wheatley Ave Inspection Date: 4-7-2026 XRF File #:

Functional Space: Inspector: Tom Hartenburg License #: 1002497

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature:

Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage (%)	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	window B Frame	Wood	White	Intact	0	0.00	N/A	Negative
	Sill							
BR #4	9 wall	dw	yellow					
	frame							
	sill							
BR #4	Closet window ID W	dw	yellow					
	~~Sill~~	W	White					
	frame W	W	W					
	II W	W	White					
	~~Sill~~							
	frame	wood	White					
	Bath #2 window 12							
	W	dw	yellow					
	frame	wood	White					
	Basement Living Room							
	Wind 13 —	frame	Varnish	wood				
		Sill	Varnish wood					
		wall	yellow	dw				

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Lead Based Paint Data Sheet

Building/Address: 237-312 Wheeling Ave Inspection Date: 4-7-2026 XRF File #:

Functional Space: Inspector: Tom Hartenburg License #: 1002493

XRF Serial #: 02535 XRF Instrument: Sci Aps Inspector's Signature:

Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage (%)	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
Bdrm	Franklin — #14 W	dw	yellow	~~intact~~	∅	0.00	N/A	Negative
	F		varnish					
	S		varnish					
	W		vinyl					
Door	C — Wall	dw	yellow					
	door	wood	white					
	frame							
	jamb							
	Sitting Room #15 F	wood	white					
	W	dw	yellow					
	window vinyl			no paint				
Main Floor Kitchen				Intact				
	Door B door	wood	white					
	frame	wood						
	jamb	wood						
	wall	dw	yellow					
	dining room wd #2							

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Lead Based Paint Data Sheet

Building/Address: 237-312 Wheeling Ave Inspection Date: 4-7-2026 XRF File #:

Functional Space: Inspector: Tom Hartenburg License #: 1002493

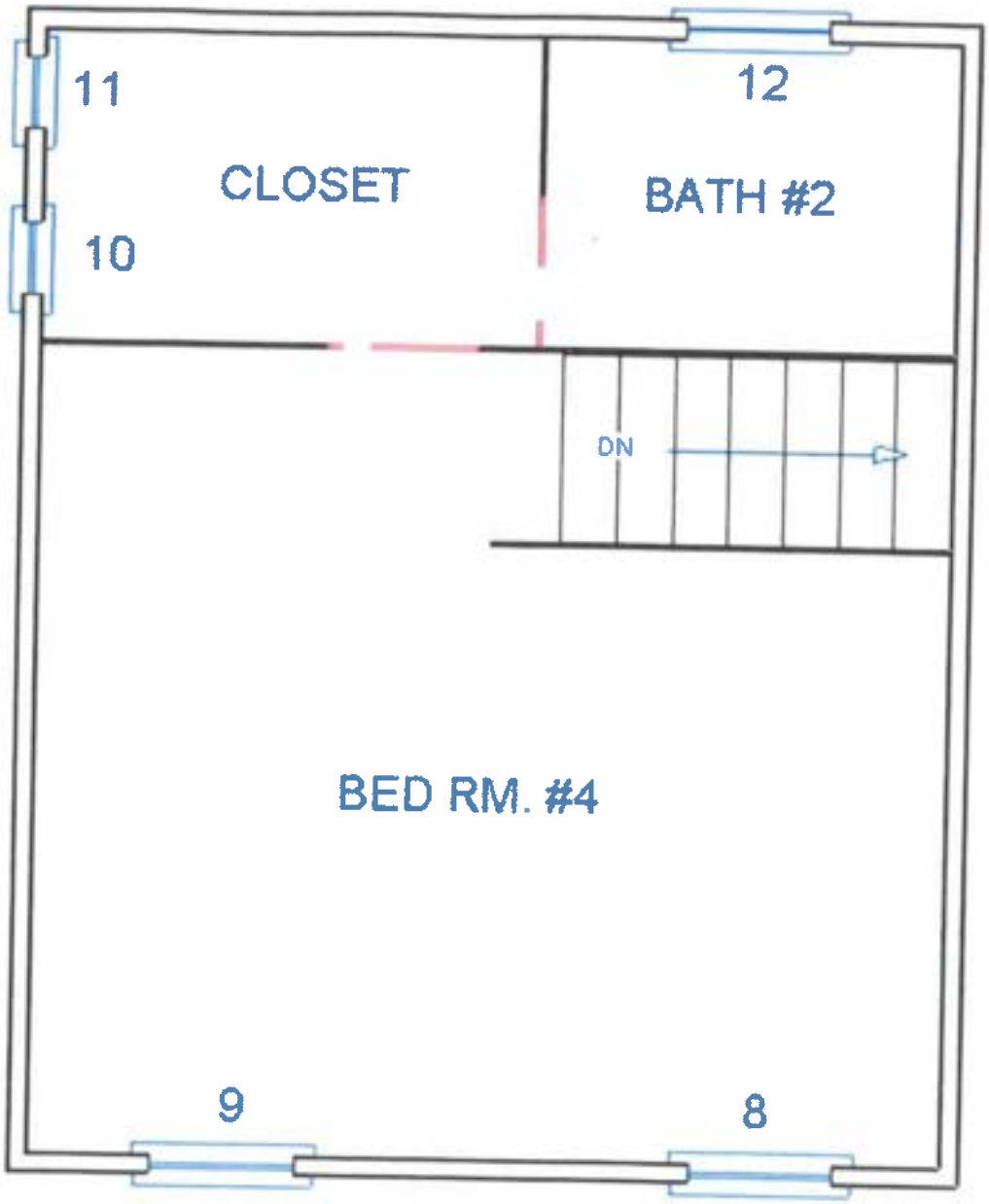
XRF Serial #: 02535 XRF Instrument: Scitops Inspector's Signature:

Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage (%)	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	DR – Window #2	Wood sill	brn	Intact	0	0.00	N/A	Negative
		Wall dw	yellow					
	window-vinyl							
	Living Room window #3	wall dw	yell					
		sill wood	varnish					
		frame wht	wood					
		wind vinyl	—					
	Entry Door A	wall dw	yellow					
		dr frm	wall	brn				
		dr jamb	wood	H brown				
		door	wood	brown				
	—							
	Exterior —							
	vinyl siding							
	imprinted vinyl window							
	Components —							
	White Trim vinyl —			no paint		0.00		
	Aluminum flashing white			w		0.00		

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

A



D

B

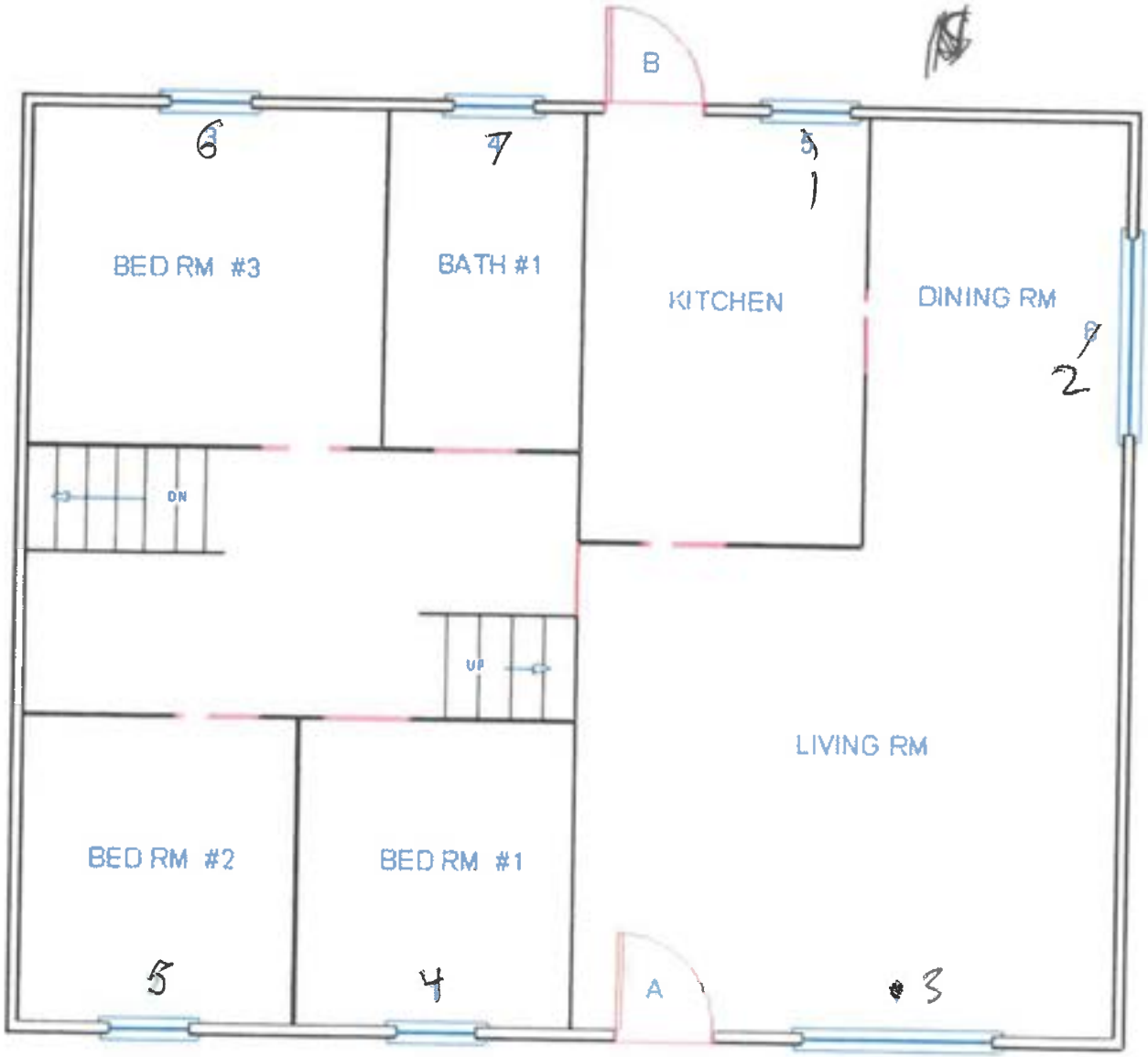
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C

312 Wheatly

Thuong

A



D

B

C

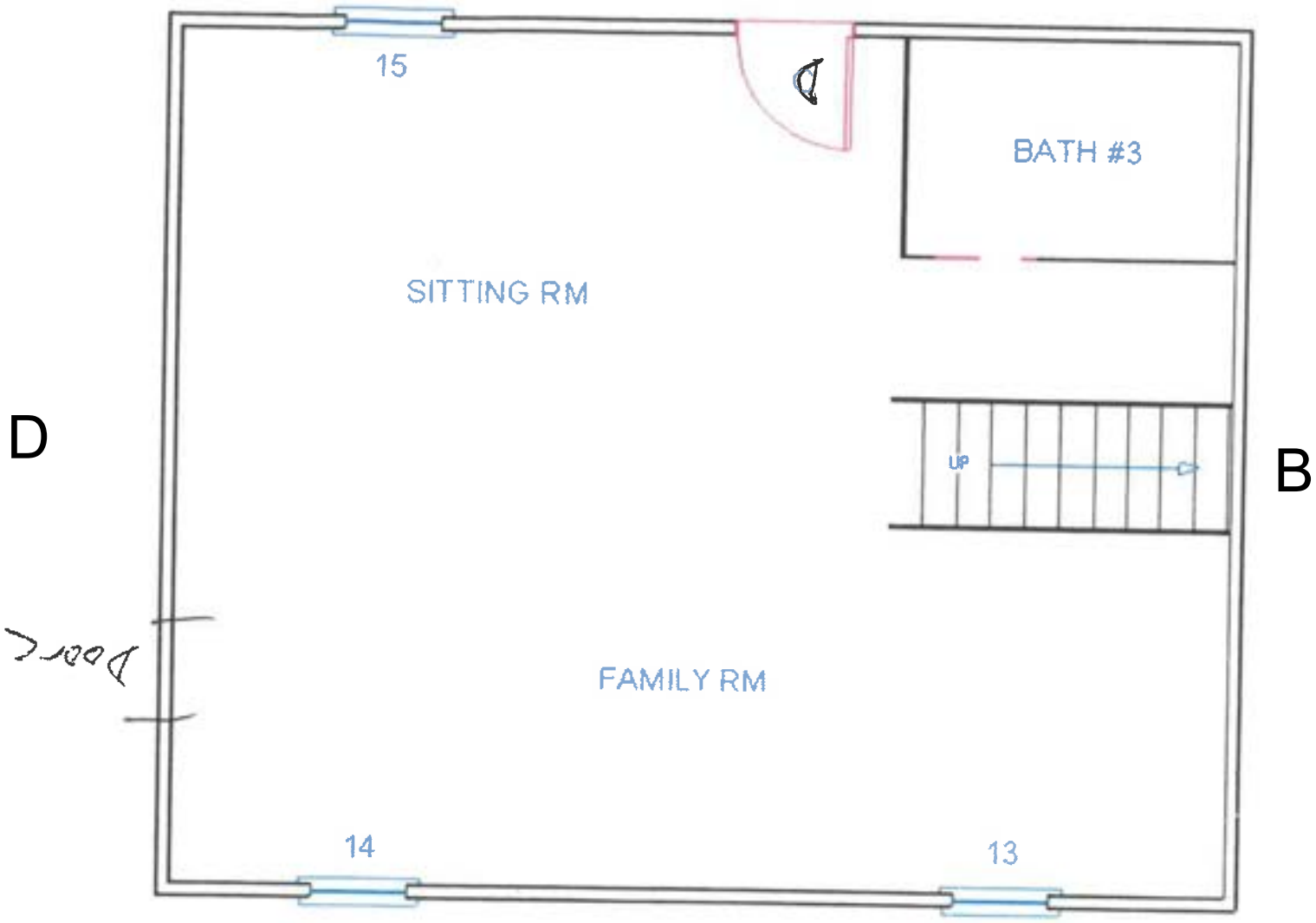
upperlevel

312 Wheeling

Thuong

Img 1273 °
West face - window 2
1274
312 W. Face Exterior

A



D

B

C

Thuong

3/12 Wheeling

Bonnt

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **828-111 E Old Willow Road**

Phase: **4**

PPN: **828-111**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO

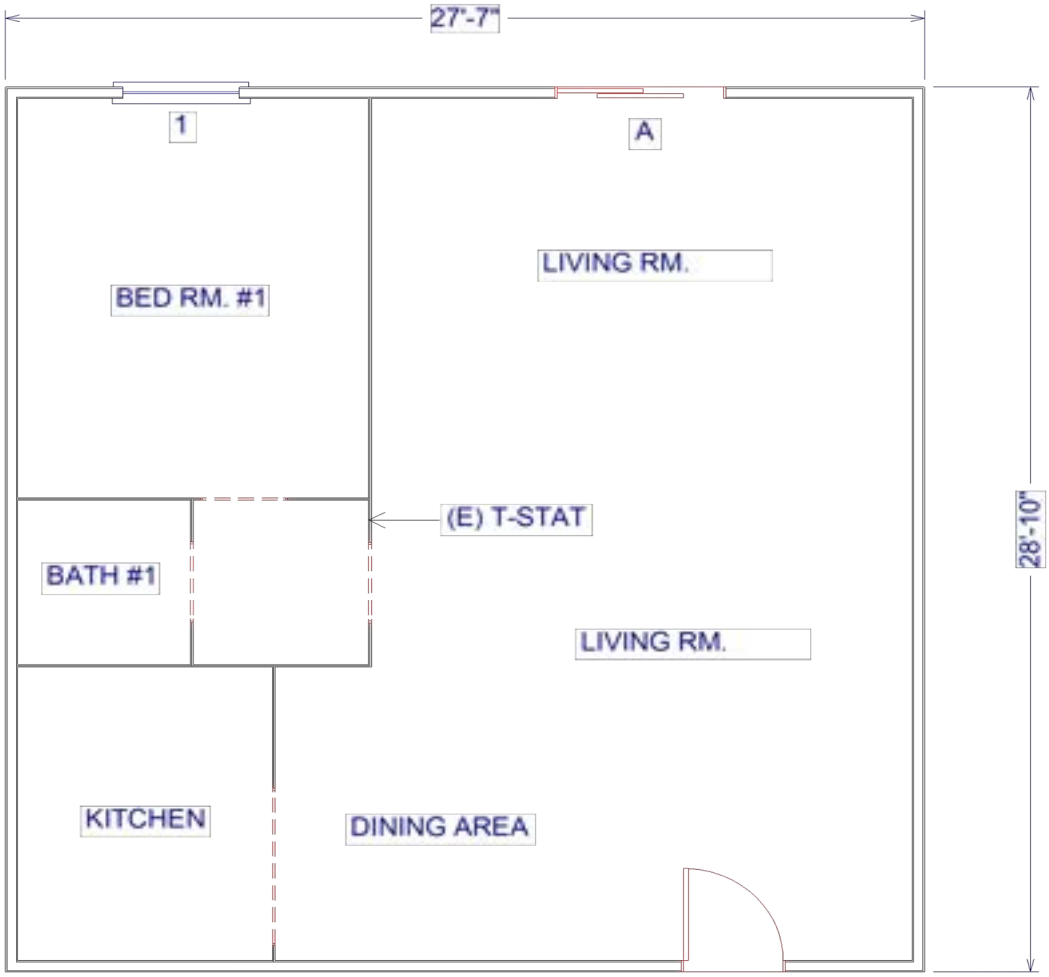


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**828-111**
Address:	**828-111 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**828-111**
Address:	**828-111 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	34	SL	SL		AL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

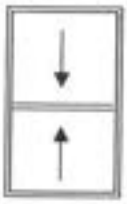
	Phase: **4**
	PPN: **828-111**
Address: **828-111 E Old Willow Road**	Revised:
Town: **Prospect Heights**	**QuieterHome® Program**

PPN# 828-111

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

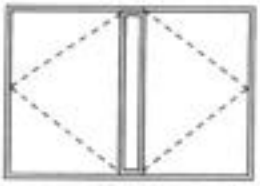
Location

Location

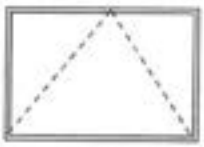
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

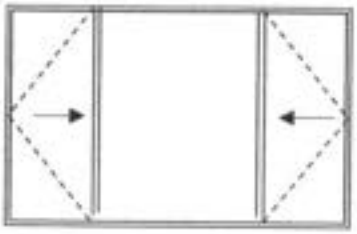
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

☐ Bay
☐ Bow
☐ Other _____

Location



☐ SL – FX – SL
☐ CS – FX – CS

Configuration:

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL
TOP SASH ONLY



DIAMOND



DIAMOND
TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☐ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final

☐ All windows to be replaced in kind
☐ Exceptions noted in field indicated above

X _____ 5/7/24
Homeowner Date

PHASE 4 PPN 828-111
PRYST
828-111 E OLD WILLOW RD

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	95	80	NO	NO	NO	YES	YES	STANDARD	24	SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

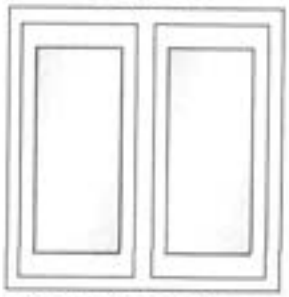
		Phase: **4**	PPN: **828-111**
Address:	**828-111 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town:	**Prospect Heights**		

PPN# 828111

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

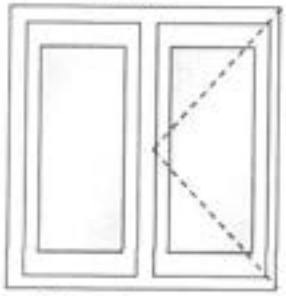


Sliding Glass Door

Door A

Location

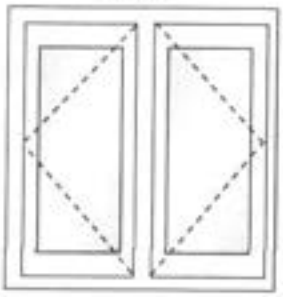
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

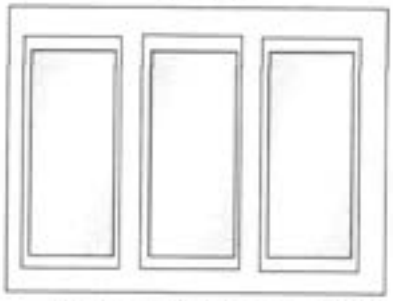


Sliding Storm Door

Door A

Location

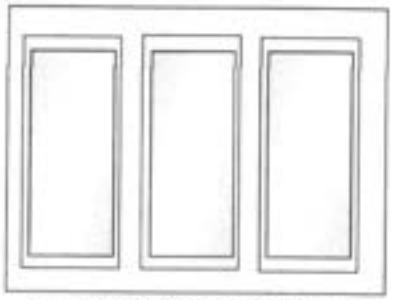
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING STORM DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

x _____ 5/7/24
Homeowner Date

PHASE 4 PPN 828-111
PRYST
828-111 E OLD WILLOW RD

Rev. 03/26

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27301

RE: Limited Asbestos & Lead Inspections
828-111 Pryst
828-111 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 828-111 E. Old Willow Road, Wheeling, Illinois 60090.

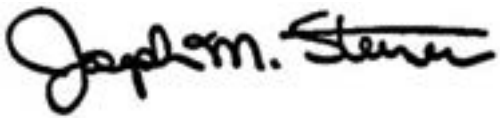
The findings of the attached reports showed six (6) samples were analyzed for asbestos content with two (2) samples found to contain asbestos >1% asbestos.

Nine (9) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#828-111 Pryst
828-111 E. Old Willow Road
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 9, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27301

RE: Limited Asbestos Inspection
#828-111 Pryst
828-111 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 828-111 E. Old Willow Road, Wheeling, Illinois 60090. Six (6) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. Two (2) samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

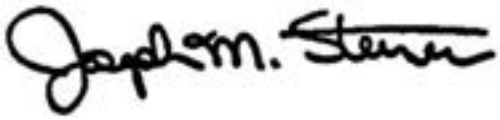
Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447
Reviewed by,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



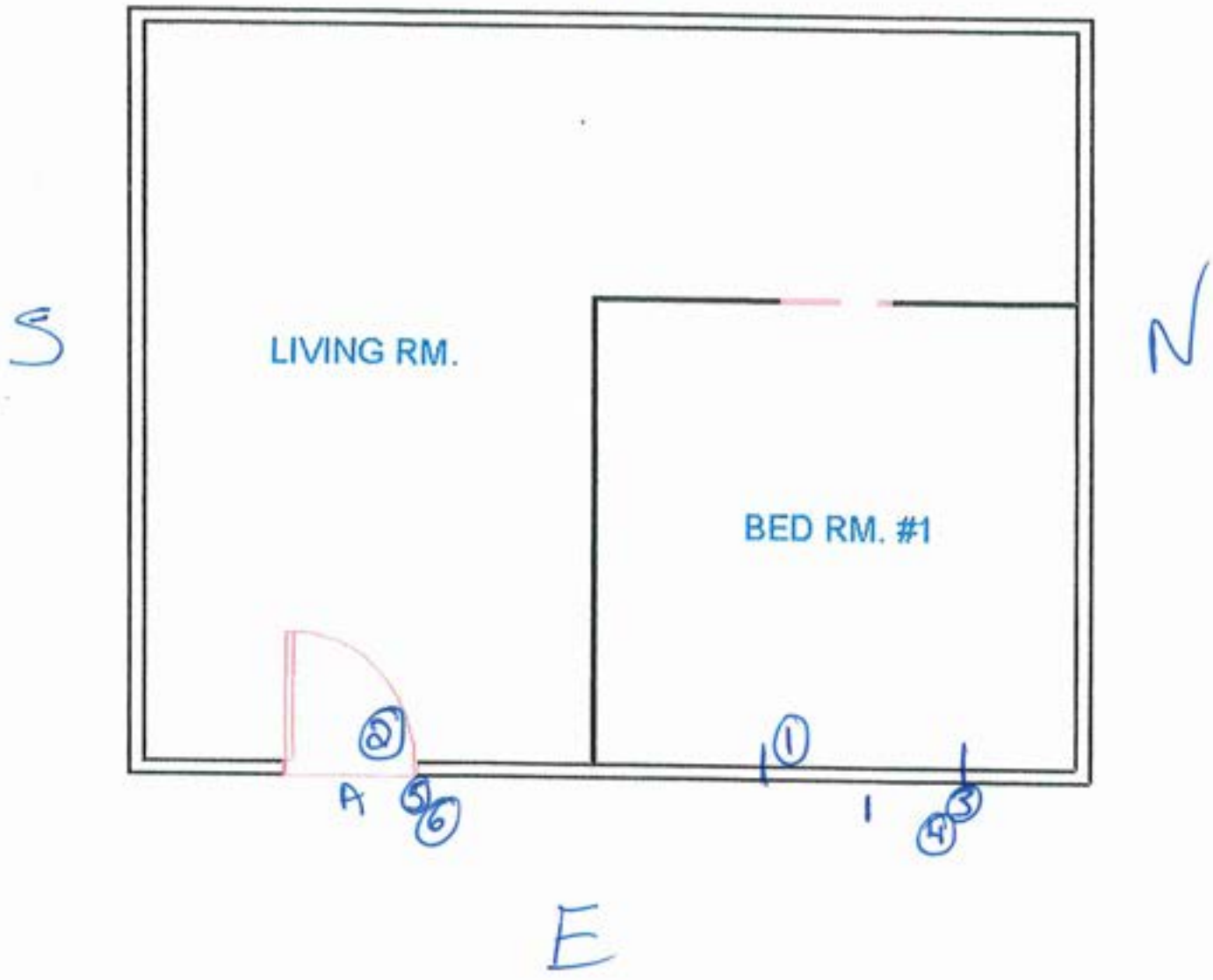
Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27301-04-0901	White Window Paint, 1 Window	Good	No	High	None Detected
27301-04-0902	White Door Paint 1 Door	Good	No	High	None Detected
27301-04-0903	**Grey Window Caulk 1 Window**	**Good**	**No**	**High**	**3% Chrysotile**
27301-04-0904	White Window Caulk 1 Window	Good	No	High	<1% Chrysotile
27301-04-0905	**Grey Door Caulk 1 Door**	**Good**	**No**	**High**	**2% Chrysotile**
27301-04-0906	Brown Door Caulk 1 Door	Good	No	High	<1% Chrysotile

838-111

W



E

Pryst

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 11, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27301
JMS Batch: 38425

Re: Bulk Asbestos Analyses of sample(s) received 4/9/2026.
828-111 Pryst 828-111 E Old Willow Road - #828-111

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 µm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% - 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: 828-111 Pryst 828-111 E Old Willow Road
Client Project Ref: - #828-111

Project Number: J-27301
Work Order: 38320
Batch Number: 38425

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392771	--	27301-04-0901	Heterogeneous White, Tan Paint	--	--	--	<1	--	--
392772	--	27301-04-0902	Homogeneous White Paint	---NON-FIBROUS---					
392773	--	27301-04-0903	Homogeneous Grey Caulking	3	--	--	--	--	--
392774	--	27301-04-0904	Homogeneous Grey Caulking	<1	--	--	--	--	--
392775	--	27301-04-0905	Homogeneous Grey Caulking	2	--	--	<1	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 11, 2026

JMS031.BulkRpt 01/2023

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: 828-111 Pryst 828-111 E Old Willow Road
Client Project Ref: - #828-111

Project Number: J-27301
Work Order: 38320
Batch Number: 38425

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392776	--	27301-04-0906	Homogeneous Brown Caulking	<1	--	--	--	--	--

Abbreviations:							
	Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
	Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 11, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27301

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #828-111 E. Old Willow Rd
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27301-04-0901	4/9/26	2:25	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27301-04-0902			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-0903			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-0904			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-0905			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-0906			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27301-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:	[signature]	Date:	4/9/26	Time:	2:25
Relinquished By:	[signature]	Date:	4/9/26	Time:	3:40
Received By:	[signature]	Date:	4/9/26	Time:	400
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE


Apr 9, 2026 at 2:13:01 PM
828 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 9, 2026 at 2:13:09 PM
828 E Seminole Ln
Prospect Heights IL 60070
United States



LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

828-111 East Old Willow Road
Prospect Heights, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 9, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family one-bedroom condominium containing one window and one door. The interior walls and ceilings are drywall. The window and doors scheduled for replacement were made up of metal components with wooden frames in the interior and metal on the exterior. The exterior wall is primarily unpainted brick with some tan wood siding above the patio door.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2), collecting accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) and the Illinois Department of Health (IDPH) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.02
					OK	0.98
					OK	1.01
828-111 EAST OLD WILLOW ROAD						
Living Room	B- Door Frame	Metal	Beige	Intact	0.00	Negative
Living Room	B- Door	Metal	Silver	Intact	0.00	Negative
Living Room	B- Wall	Drywall	Beige	Intact	0.00	Negative
Bedroom 1	B- Window 1 Frame	Metal	Beige	Intact	0.00	Negative
Bedroom 1	B- Window 1 Sill	Wood	Beige	Intact	0.00	Negative
Bedroom 1	B- Window 1	Metal	Silver	Intact	0.00	Negative
Bedroom 1	B- Window 1 Wall	Drywall	Beige	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Exterior B	Door A Frame	Metal	Silver	Intact	0.00	Negative
Exterior B	Door A Wall	Wood	Tan	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that No lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings







Lead Based Paint Data Sheet

Building/Address: 828-111 E. Old Willow Rd Inspection Date: 4/9/2026 XRF File #: _____

Functional Space: _____ Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
Calibration	N/A	N/A	N/A	N/A	N/A	N/A	1.02, 0.98, 1.01	N/A	Acceptable
	Livingroom	B Door Frame	Metal	Beige	Intact	∅	0.00		Negative
	↓	↓	↓	Silver	↓	↓	0.00	↓	↓
	↓	B-Wall	Drywall	Beige			0.00		
	Bedroom 1	B-Window Frame	Metal	Beige			0.00		
	↓	↓ Sill	Wood	↓			0.00		
	↓	↓	Metal	Silver			0.00		
	↓	B-Wall	Drywall	Beige	↓	↓	0.00	↓	↓
	Exterior B	Door A. Frame	Metal	Silver	Intact		0.00		
	↓	B-Wall	Wood	Tan	↓	↓	0.00	↓	↓
Post Calibration							1.08, 1.05, 1.01		Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

N

4/9/26
2 pm



Pryst
828 - 111 E. Old Willow Rd.

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **828-209 E Old Willow Road**

Phase: **4**

PPN: **828-209**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO

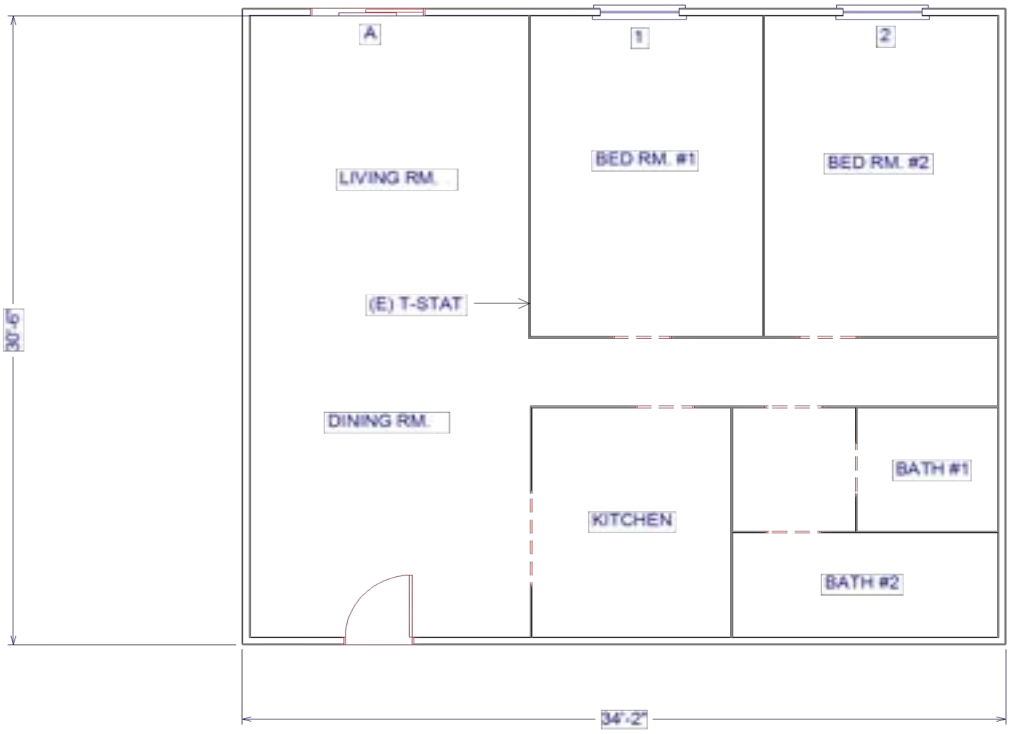


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**828-209**
Address:	**828-209 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

Phase:	**4**
PPN:	**828-209**
Address: **828-209 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	38	SL	SL		VL	VL		2.1	DRYWALL RETURNS.
2	70	38	SL	SL		VL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

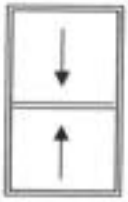
	Phase: **4**
	PPN: **828-209**
Address: **828-209 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

PPN# 828-209

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



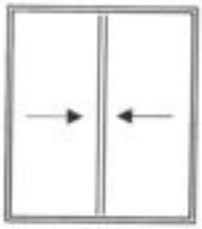
DOUBLE HUNG

Location



FIXED

Location



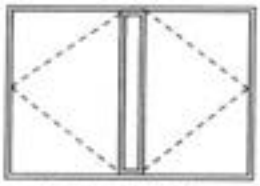
SLIDER

Location



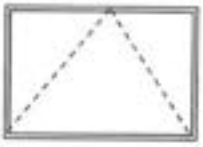
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

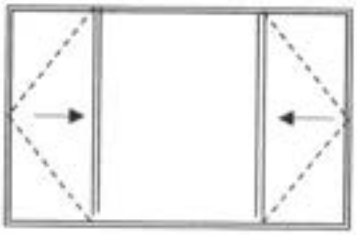
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other _____

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL TOP SASH ONLY



DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE** ☐ **ALMOND/BEIGE**

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

- ☑ **All windows to be replaced in kind**
- ☐ **Exceptions noted in field indicated above**

PHASE 4 PPN 828-209
MALIK
828-209 E OLD WILLOW RD

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	96	79	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 828-209
Address: **828-209 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Prospect Heights**		

PPN# 828-209

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

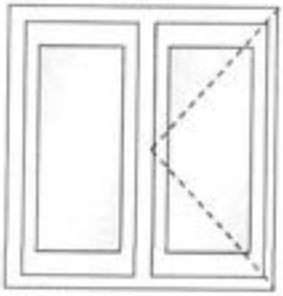


Sliding Glass Door

Door A

Location

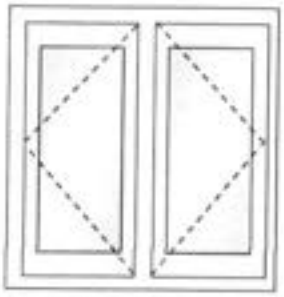
AD1



Atrium Door

Location

FD1

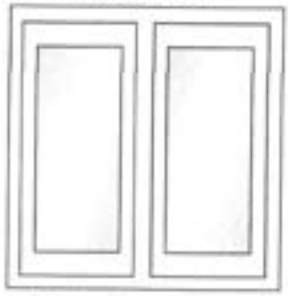


French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

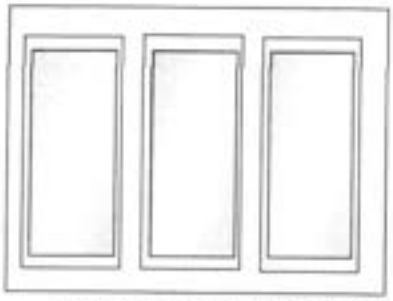


Sliding Storm Door

Door A

Location

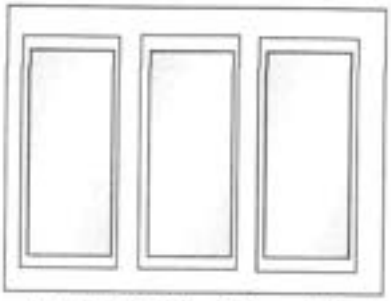
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING STORM DOOR
☒ WHITE	☐ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

PHASE 4 PPN 828-209
MALIK
828-209 E OLD WILLOW RD

Rev. 03/26

April 7, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27287

RE: Limited Asbestos & Lead Inspections
828-209 Malik
828-209 E. Old Willow
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 828-209 E. Old Willow, Wheeling, Illinois 60090.

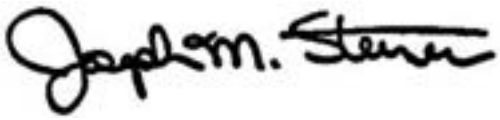
The findings of the attached reports showed Seven (7) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Fourteen (14) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **828-212 E Old Willow Road**

Phase: **4**

PPN: **828-212**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**828-212**
Address:	**828-212 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **828-212**
Address: **828-212 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	35	SL	SL		AL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

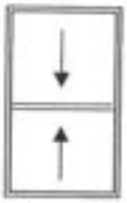
	Phase: **4**
	PPN: **828-212**
Address: **828-212 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

PPN# 828-212

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

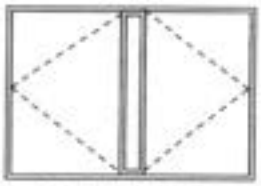
Location

Location

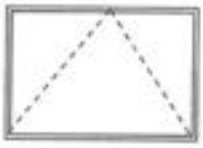
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

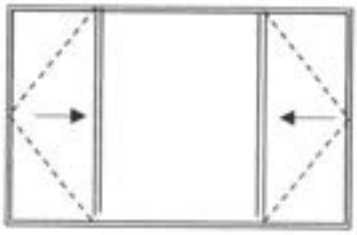
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

☐ Bay
☐ Bow
☐ Other

Location



☐ SL – FX – SL
☐ CS – FX – CS

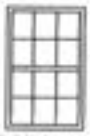
Configuration:

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL
TOP SASH ONLY



DIAMOND



DIAMOND
TOP SASH ONLY

☐ Match existing configuration (ie vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ All windows to be replaced in kind
☐ Exceptions noted in field indicated above

7 May 2026

Homeowner Date

PHASE 4 PPN 828-212
MILLER
828-212 E OLD WILLOW RD

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	94	81	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 828-212
Address: **828-212 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Prospect Heights**		

PPN# 828-212

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

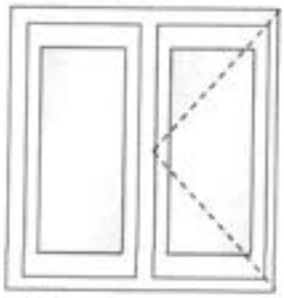


Sliding Glass Door

Door A

Location

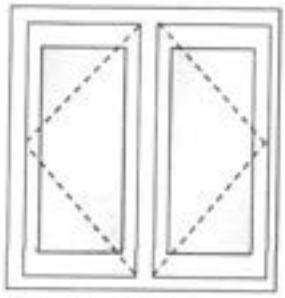
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

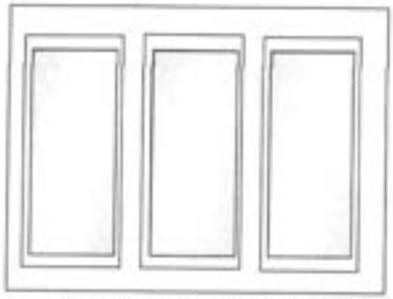


Sliding Storm Door

Door A

Location

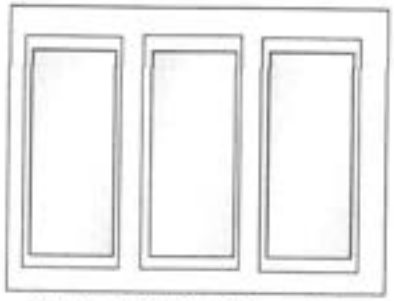
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING **STORM** DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner 7 May 2026 Date

PHASE 4 PPN 828-212
MILLER
828-212 E OLD WILLOW RD

Rev. 03/26

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27290

RE: Limited Asbestos & Lead Inspections
828-212 Miller
828-212 E. Old Willow
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 828-212 E. Old Willow 393 Meadowbrook, Wheeling, Illinois 60090.

The findings of the attached reports showed three(3) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Nine (9) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **828-214 E Old Willow Road**

Phase: **4**

PPN: **828-214**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO

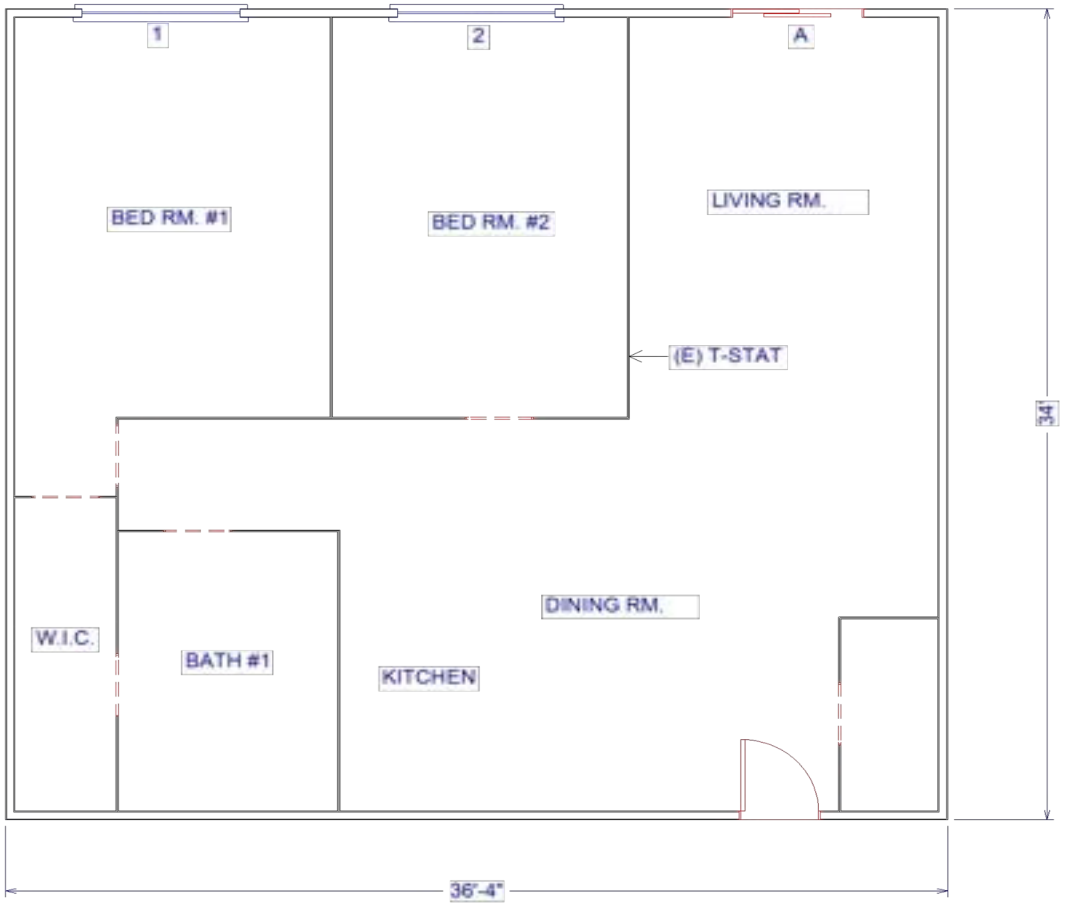


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**828-214**
Address:	**828-214 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**828-214**
Address:	**828-214 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	35	SL	SL		VL	VL		2.1	DRYWALL RETURNS.
2	72	35	SL	SL		VL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

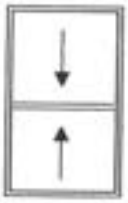
	Phase: **4**
	PPN: **828-214**
Address: **828-214 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

PPN# 828-214

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



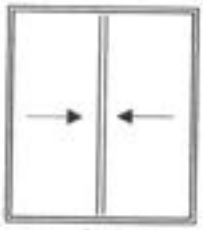
DOUBLE HUNG

Location



FIXED

Location



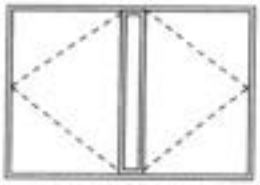
SLIDER

Location



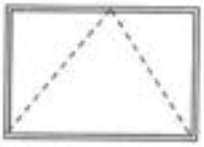
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other _____

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL TOP SASH ONLY

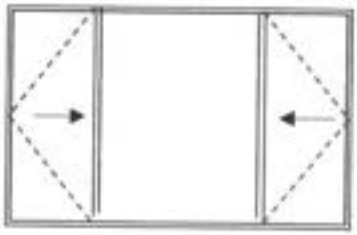


DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie vertical only)



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration: _____

Location

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

- ☒ WHITE
- ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

- ☐ All windows to be replaced in kind
- ☐ Exceptions noted in field indicated above

PHASE 4 PPN 828-214
SAMPRAS
828-214 E OLD WILLOW RD

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	94	78	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 828-214
Address: **828-214 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Prospect Heights**		

PPN# 828-214

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

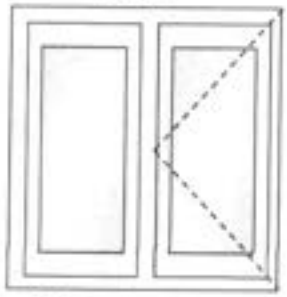


Sliding Glass Door

Door A

Location

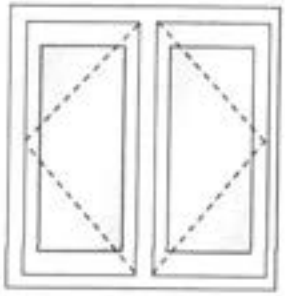
AD1



Atrium Door

Location

FD1



French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

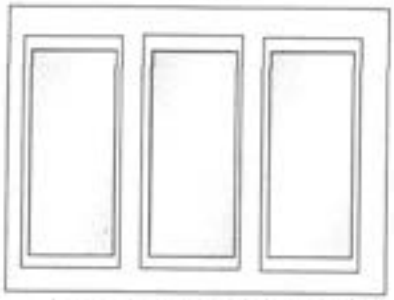


Sliding Storm Door

Door A

Location

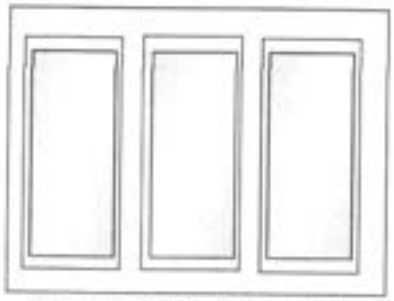
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING **STORM** DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

PHASE 4 PPN 828-214
SAMPRAS
828-214 E OLD WILLOW RD

Rev. 03/26

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 8, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27294

RE: Limited Asbestos & Lead Inspections
828-214 Sampras
828-214 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 828-214 E. Old Willow Road, Wheeling, Illinois 60090.

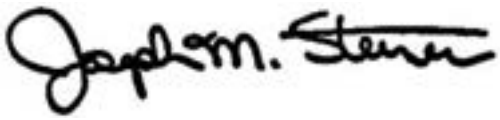
The findings of the attached reports showed two (2) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Seventeen (17) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **828-215 E Old Willow Road**

Phase: **4**

PPN: **828-215**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO

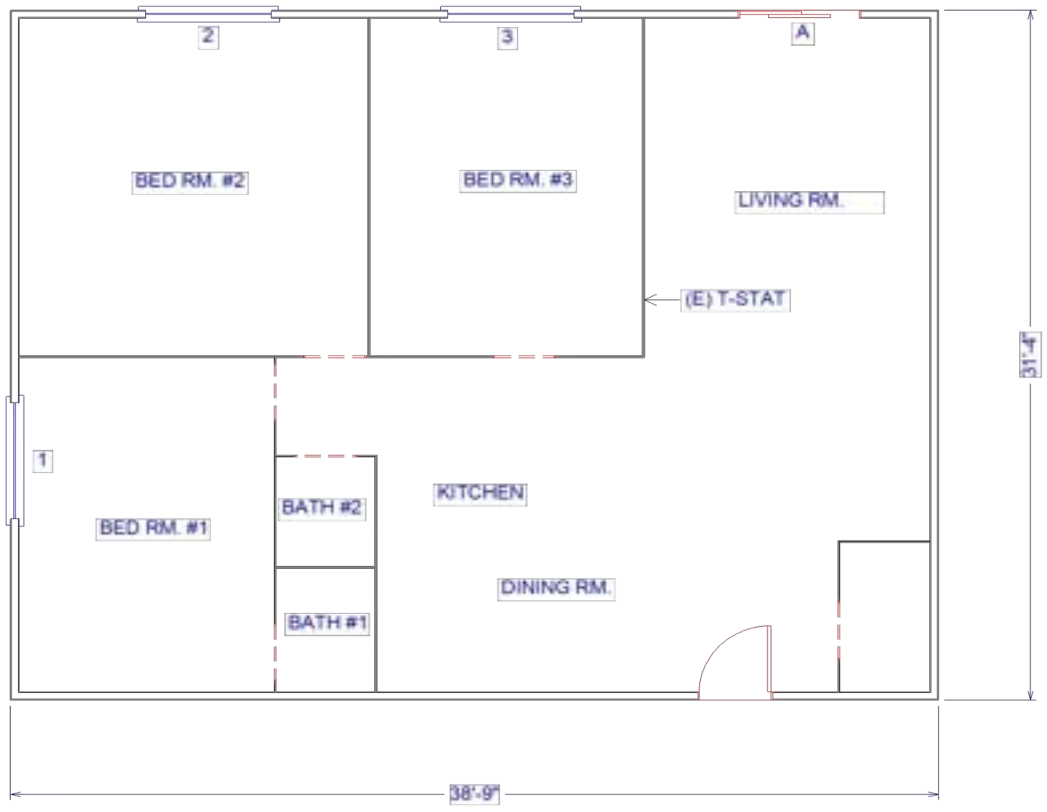


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**828-215**
Address:	**828-215 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **828-215**
Address: **828-215 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	35	SL	SL		AL	VL		2.1	DRYWALL RETURNS.
2	72	35	SL	SL		AL	VL		2.1	DRYWALL RETURNS.
3	72	35	SL	SL		AL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

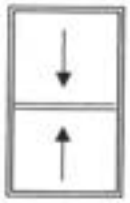
	Phase: **4**
	PPN: **828-215**
Address: **828-215 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

PPN# 828-215

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG

Location



FIXED

Location



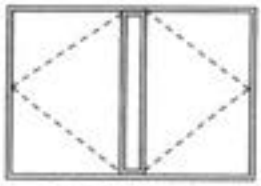
SLIDER

Location



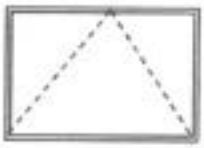
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

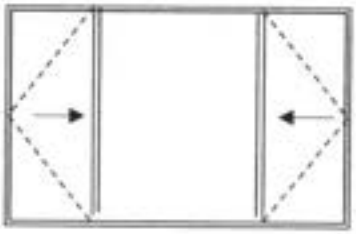
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other

Location



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration:

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL (TOP SASH ONLY) | DIAMOND | DIAMOND (TOP SASH ONLY)

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

- ☐ All windows to be replaced in kind
- ☐ Exceptions noted in field indicated above

Homeowner Date

PHASE 4 PPN 828-215
ANDERSON
828-215 E OLD WILLOW RD

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	94	81	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

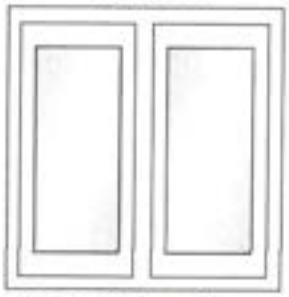
	Phase: 4	PPN: 828-215
Address: **828-215 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Prospect Heights**		

PPN#

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1



Sliding Glass Door

Door A

Location

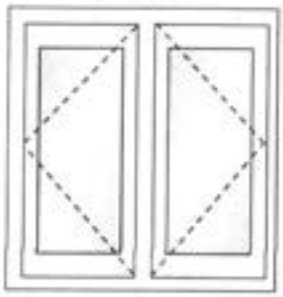
AD1



Atrium Door

Location

FD1

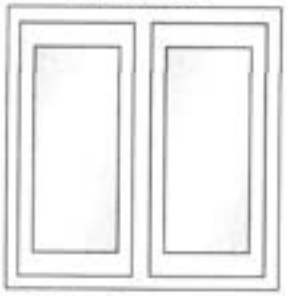


French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

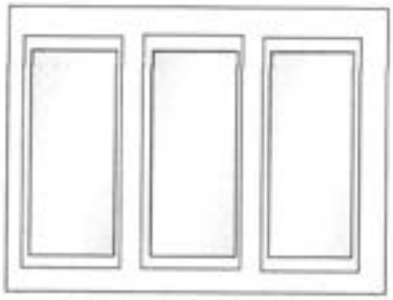


Sliding Storm Door

Door A

Location

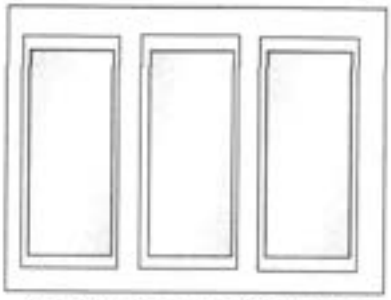
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING **STORM** DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

PHASE 4 PPN 828-215
ANDERSON
828-215 E OLD WILLOW RD

Rev. 03/26

April 8, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27295

RE: Limited Asbestos & Lead Inspections
828-215 Anderson
828-215 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 828-215 E. Old Willow Road, Wheeling, Illinois 60090.

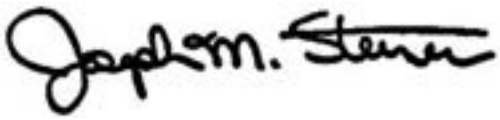
The findings of the attached reports showed Four (4) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Fifteen (15) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **830-106 E Old Willow Road**

Phase: **4**

PPN: **830-106**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

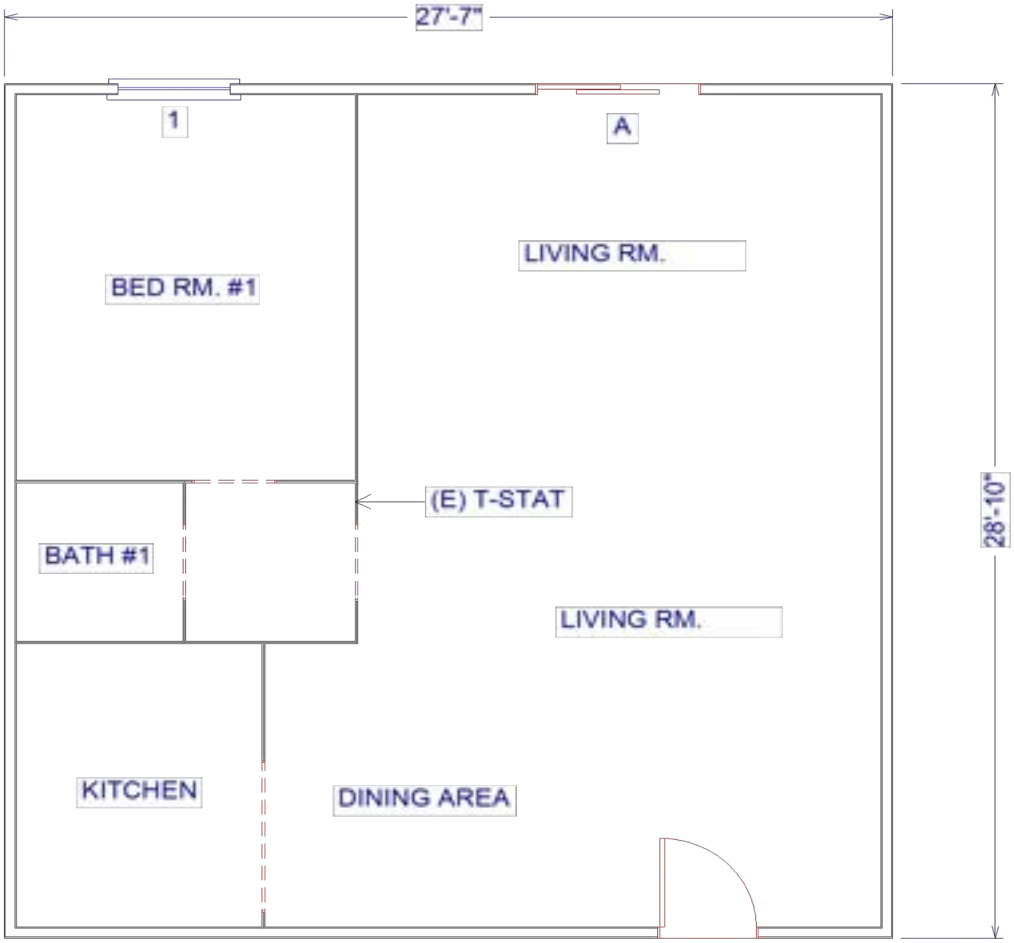
PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM			
		Phase:	**4**
		PPN:	**830-106**
Address:	**830-106 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**830-106**
Address:	**830-106 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	35	SL	SL		AL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **830-106**
Address: **830-106 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

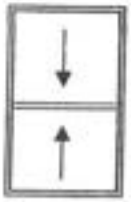
830-106

PPN# ~~830-107~~

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG

Location



FIXED

Location



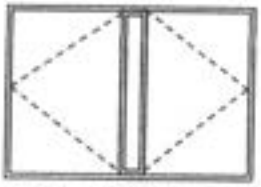
SLIDER

Location



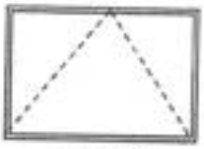
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL TOP SASH ONLY

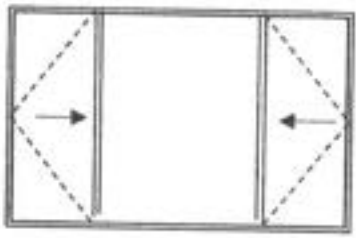


DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie vertical only)



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration:

Location

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

- ☒ WHITE
- ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

- ☐ All windows to be replaced in kind
- ☐ Exceptions noted in field indicated above

Lisa Graff 5-5-26

Homeowner Date

PHASE 4 PPN 830-106
GRAFF
830-106 E OLD WILLOW RD

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	95	79	NO	NO	NO	YES	YES	STANDARD	24	SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

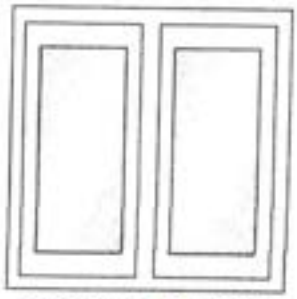
	Phase: **4**	PPN: **830-106**
Address: **830-106 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Prospect Heights**		

PPN# 830-107

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

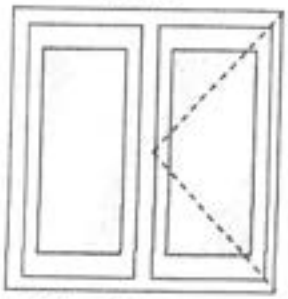


Sliding Glass Door

Door A

Location

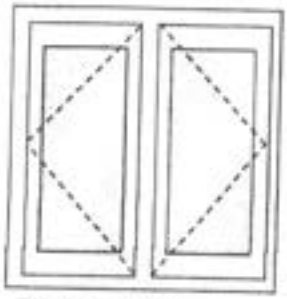
AD1



Atrium Door

Location

FD1

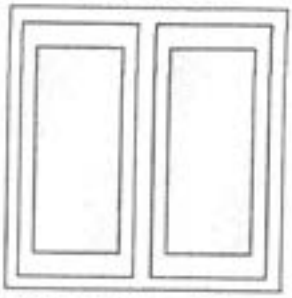


French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

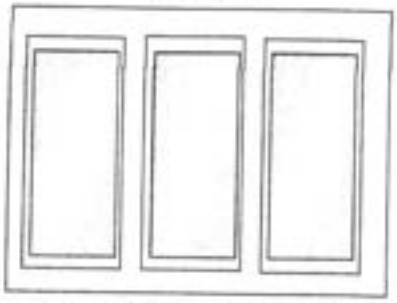


Sliding Storm Door

Door A

Location

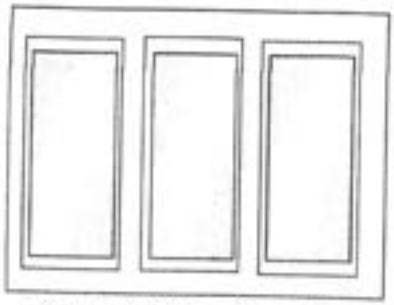
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING STORM DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Lisa Graff 5-5-26

Homeowner Date

PHASE 4 PPN 830-106
GRAFF
830-106 E OLD WILLOW RD

Rev. 03/26

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27302

RE: Limited Asbestos & Lead Inspections
830-106 Graff
830-106 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 830-106 E. Old Willow Road, Wheeling, Illinois 60090.

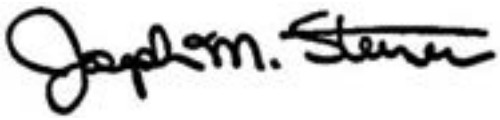
The findings of the attached reports showed four(4) samples were analyzed for asbestos content with Two (2) samples found to contain asbestos >1% asbestos.

Nine (9) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#830-106 Graff
830-106 E. Old Willow Road
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 9, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 9, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27302

RE: Limited Asbestos Inspection
#830-106 Graff
830-106 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 830-106 E. Old Willow Road, Wheeling, Illinois 60090. Four(4) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. Two (2) samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

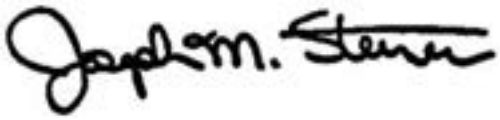
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447

Reviewed by,

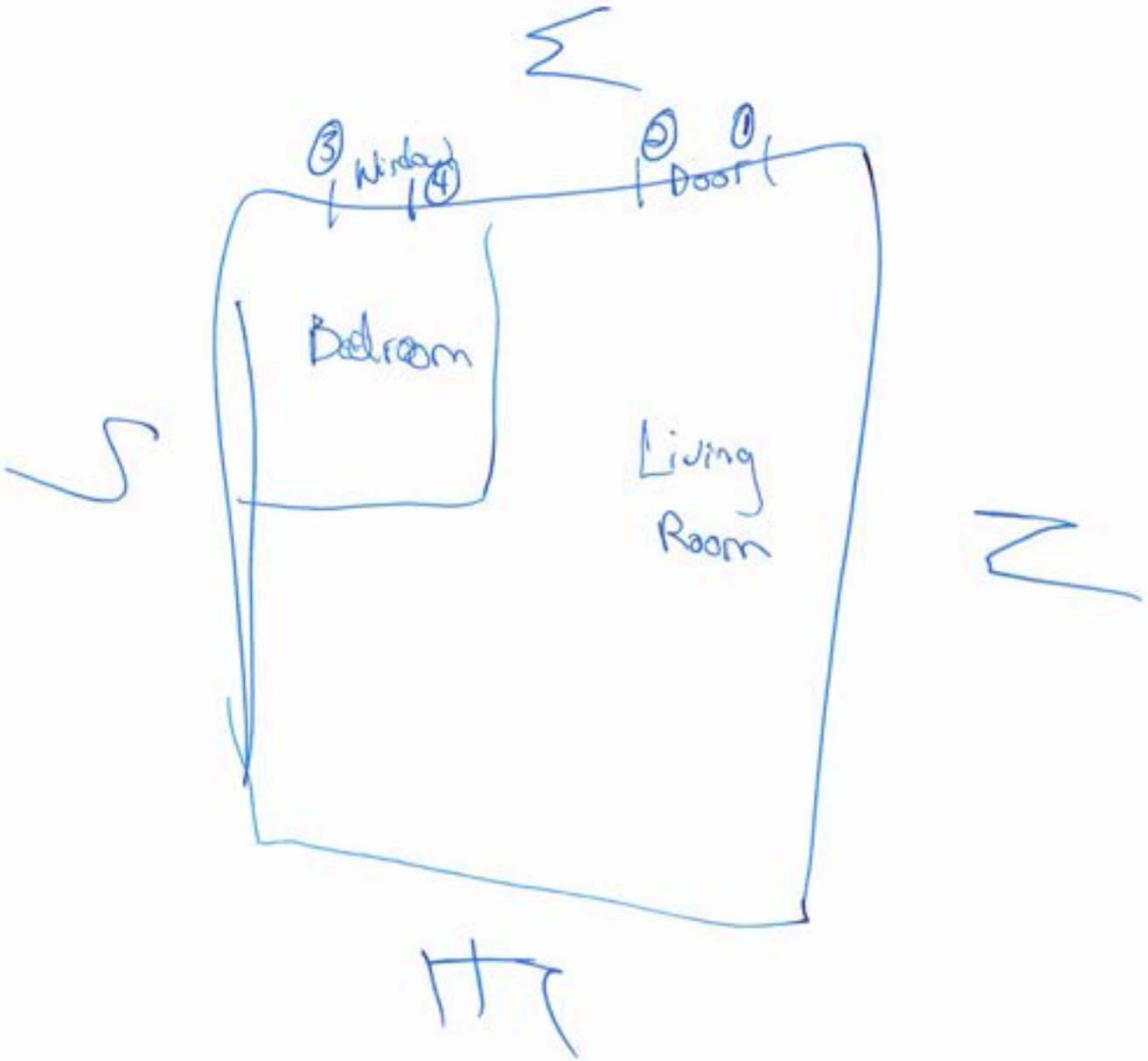
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27302-04-0901	Brown Door Caulk 1 Door	Good	No	High	None Detected
27302-04-0902	Grey Door Caulk, 1 Door	Good	No	High	None Detected
27302-04-0903	Silver Window Caulk 1 Window	Good	No	High	None Detected
27302-04-0904	Grey Window Caulk 1 Window	Good	No	High	None Detected


E
3
Window
4
2
Door
1
Bedroom
Living
Room
S
N
W

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 11, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27302
JMS Batch: 38423

Re: Bulk Asbestos Analyses of sample(s) received 4/9/2026.
#830-106 Graff 830-106 E. Old Willow Rd. - #830-106

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #830-106 Graff 830-106 E. Old Willow Rd.
Client Project Ref: - #830-106

Project Number: J-27302
Work Order: 38318
Batch Number: 38423

				Asbestos Fibers (%) % By Visual Estimate			Nonasbestos-Fibers (%)		
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392761	--	27302-04-0901	Homogeneous Grey Caulking	--	--	--	<1	--	--
392762	--	27302-04-0902	Heterogeneous Grey, Tan Caulking	2	--	--	--	--	--
392763	--	27302-04-0903	Homogeneous Grey Caulking	---NON-FIBROUS---					
392764	--	27302-04-0904	Homogeneous Grey Caulking	2	--	--	--	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 11, 2026

JMS Environmental Associates, Ltd.

Service Report

Client: C&S Companies

Client Project : #830-106 Graff 830-106 E. Old Willow Rd.

Client Project #: #830-106

Client Batch Ref #:

Batch: 38423
Work Order: 38318
Project #: 27302

Account manager:
Penny Merritt
204 Industrial Lane

Wheeling, IL 60090

Final report to:
Penny Merritt
204 Industrial Lane

Wheeling, IL 60090

Results to:	Phone:	Mobile:	Fax:	Email:
Penny Merritt	(847) 947-8392	(713) 213-9790		pmerritt@cscos.com

Time of Arrival: 4/9/2026 4:00:00 PM **Time of Login:** 4/9/2026 4:21:42 PM

Seals intact upon receipt:	Yes	**Received on Ice:**	N/A
Broken containers:	No	**All samples accounted for:**	Yes
All containers labeled:	Yes	**Suspected contamination:**	No

Sample Log #	Sample ID					
392761	27302-04-0901	Air				
	287688	4/13/2026 5:00:00 P	48 hour	Asbestos	EPA/600/R-93/116-CVES	
392762	27302-04-0902	Air				
	287689	4/13/2026 5:00:00 P	48 hour	Asbestos	EPA/600/R-93/116-CVES	
392763	27302-04-0903	Air				
	287690	4/13/2026 5:00:00 P	48 hour	Asbestos	EPA/600/R-93/116-CVES	
392764	27302-04-0904	Air				
	287691	4/13/2026 5:00:00 P	48 hour	Asbestos	EPA/600/R-93/116-CVES	

Comments on Batch:

Samples logged on 4/9/2026 4:21:42 PM by Joyce Ciesla

Signature:

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27302

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #830-106 E. Old Willow Rd
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR _____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by: _____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27302-04-09 01	4/9/26	2:40	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27302-04-09 02	↓	↓	☐	☐	↓	☐	☐	↓	☐	☐	☐	☐	☐	☐	
27302-04-09 03			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27302-04-09 04			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27302-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27302-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27302-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27302-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27302-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27302-04-09			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:	[signature]	Date:	4/9/26	Time:	2:40
Relinquished By:	[signature]	Date:	4/9/26	Time:	3:40
Received By:	[signature]	Date:	4/9/26	Time:	353
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE


Apr 9, 2026 at 2:26:01 PM
828 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 9, 2026 at 2:27:48 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 9, 2026 at 2:29:37 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

830-106 East Old Willow Road
Prospect Heights, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 9, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family condominium consisting of one bedroom with a total of one window and one door. The interior walls and ceilings are drywall. The windows and doors scheduled for replacement are made up of vinyl and metal components with wooden frames in the interior and vinyl and metal on the exterior. The exterior walls are unpainted brick with some accentuating brown wood siding above the patio door.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2). It records results as either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) and Illinois Department of Public Health (IDPH) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.02
					OK	0.98
					OK	1.01
830-106 EAST OLD WILLOW ROAD						
Living Room	D-Door Frame	Metal	Brown	Intact	0.00	Negative
Living Room	D- Door	Metal	Silver	Intact	0.00	Negative
Living Room	D-Wall	Drywall	Brown	Intact	0.00	Negative
Bedroom 1	D-Window Frame	Wood	Blue	Intact	0.00	Negative
Bedroom 1	D-Window Sill	Wood	White	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Bedroom 1	Window Wall	Drywall	Blue	Intact	0.00	Negative
Exterior D	Door Frame	Metal	Silver	Intact	0.00	Negative
Exterior D	Door	Metal	Silver	Intact	0.00	Negative
Exterior D	Siding	Wood	Tan	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that No lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

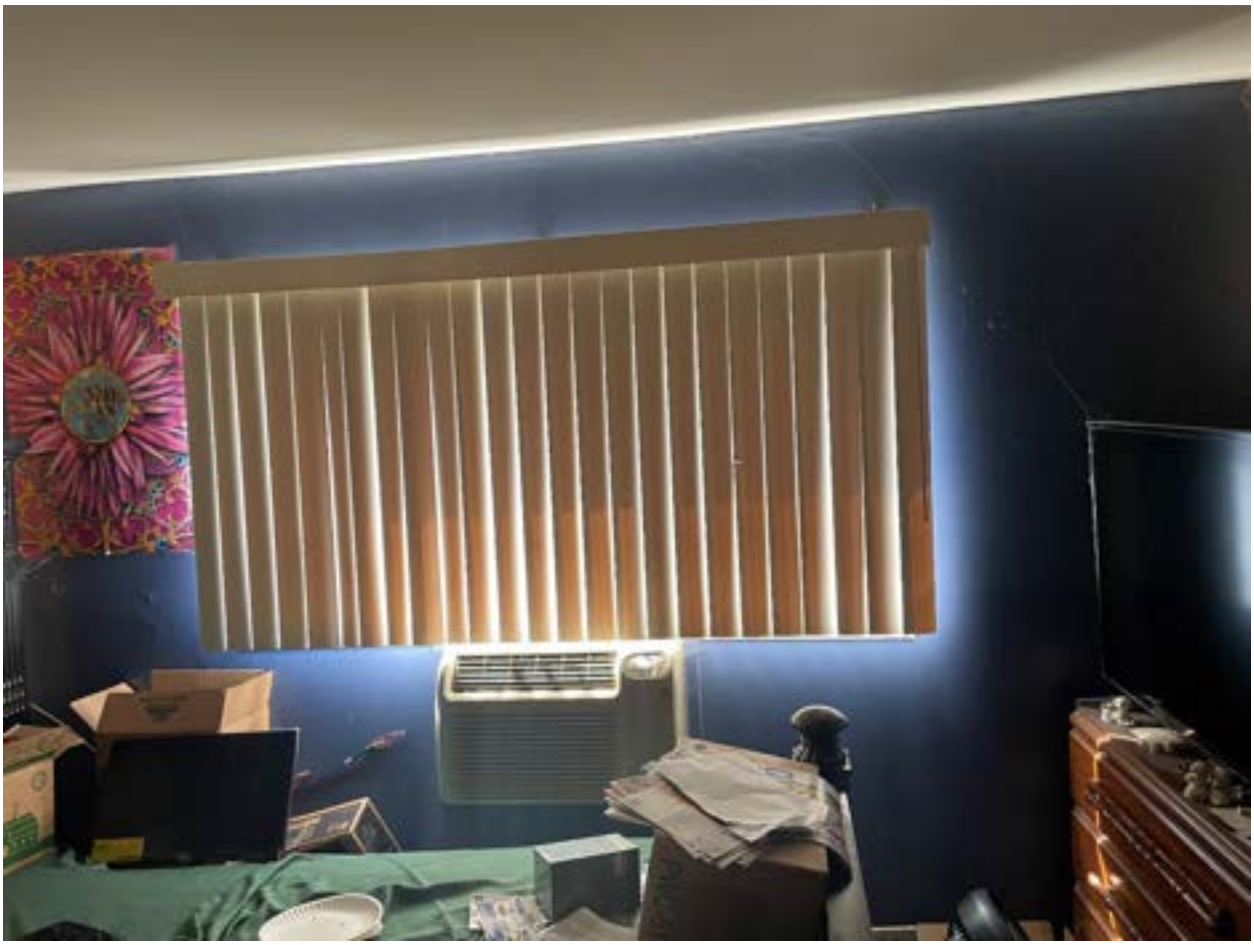
Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings





Lead Based Paint Data Sheet

Building/Address: 830 - 106 E. Old Willow Rd. Inspection Date: 4/9/2026 XRF File #: _____

Functional Space: _____ Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Calibration	N/A	N/A	N/A	N/A	N/A	1.02, 0.98, 1.01	N/A	Acceptable
	Living Rm	D-Door Frame	Metal	Brown	Intact	N/A	0.00		
	↓	↓	↓	Silver	↓	↓	0.00	↓	↓
	↓	D-Wall	Drywall	Brown	↓	↓	0.00	↓	↓
	Bedroom 1	D-Window Frame	metal	Blue	↓	↓	0.00	↓	↓
	↓	↓ Sill	wood	White	↓	↓	0.00	↓	↓
	↓	D-Wall	Drywall	Blue	↓	↓	0.00	↓	↓
	Exterior D	Door Frame	~~Metal~~	Silver	↓	↓	0.00	↓	↓
	↓	↓	↓	↓	↓	↓	0.00	↓	↓
	↓	Siding	Wood	Tan	↓	↓	0.00	↓	↓
	Post Calibration	N/A	N/A	N/A	N/A	N/A	1.08, 1.05, 1.01	N/A	Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

N

4/9/2026
3pm

1 of 1

B



A

C

D

Pryst

830 - 106 E. Old Willow Rd.

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **830-108 E Old Willow Road**

Phase: **4**

PPN: **830-108**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO

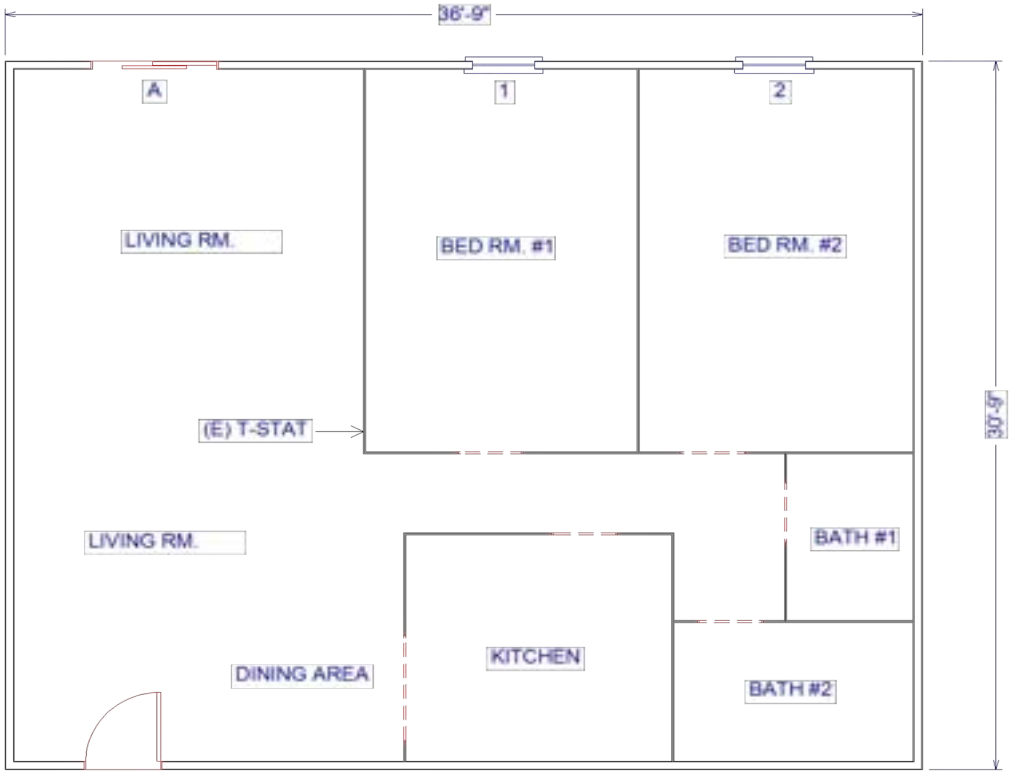


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**830-108**
Address:	**830-108 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

FIRST FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**830-108**
Address:	**830-108 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	35	SL	SL		AL	VL		2.1	DRYWALL RETURNS.
2	70	34	SL	SL		AL	VL		2.1	

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

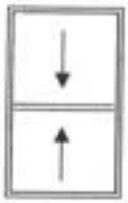
	Phase: **4**
	PPN: **830-108**
Address: **830-108 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

PPN# 830-108

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



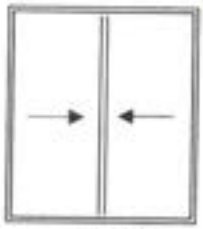
DOUBLE HUNG

Location



FIXED

Location



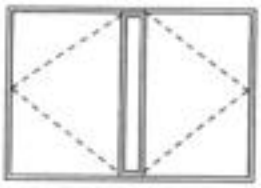
SLIDER

Location



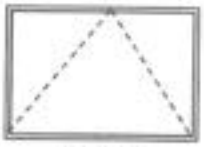
CASEMENT

Location



2-LITE CASEMENT

Location



AWNING

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

- ☐ Bay
- ☐ Bow
- ☐ Other

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL
TOP SASH ONLY

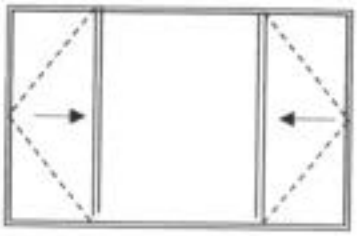


DIAMOND



DIAMOND
TOP SASH ONLY

☐ Match existing configuration (ie vertical only)



- ☐ SL – FX – SL
- ☐ CS – FX – CS

Configuration

Location

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

- ☒ All windows to be replaced in kind
- ☐ Exceptions noted in field indicated above

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

- ☒ WHITE
- ☐ ALMOND/BEIGE

PHASE 4 PPN 830-108
EKONOMIUK
830-108 E OLD WILLOW RD

5-4-26

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	95	80	NO	NO	NO	YES	YES	STANDARD	24	CONCRETE AT SILL. SLIDING GLASS DOOR. PROVIDE KEYED LOCKSET.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

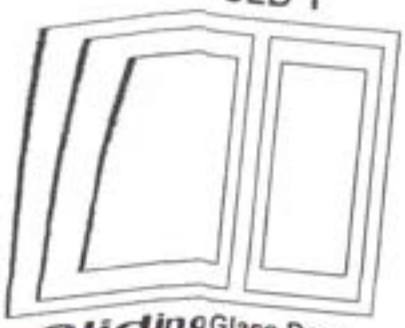
	Phase: 4	PPN: 830-108
Address: **830-108 E Old Willow Road**		
Town: **Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

Sliding-Atrium-French Prime & Storm Style Selections

PPN# 830-108

QUIETERHO PROGRAM

SLD 1

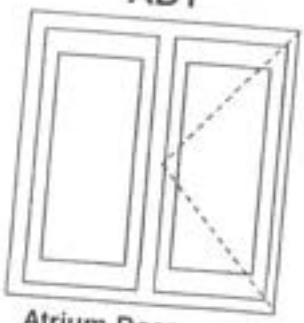


Sliding Glass Door

DOOR A

Location

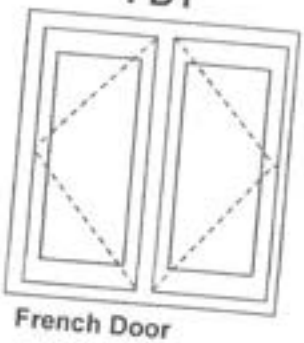
AD1



Atrium Door

Location

FD1



French Door

Location

Note: Atrium and French Doors shall use storm door style S1 x 2

SL SD 1

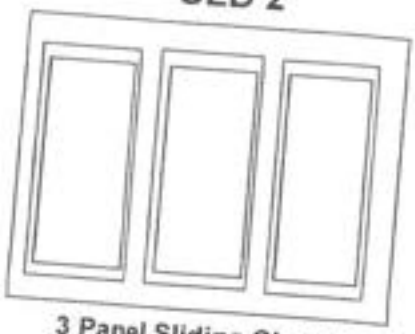


Sliding Storm Door

DOOR A

Location

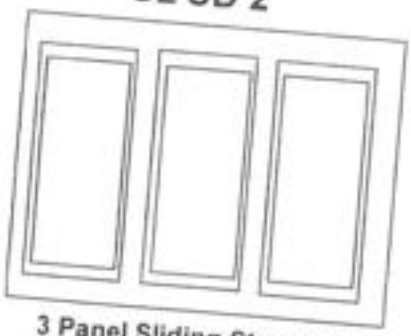
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing. Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION

SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING STORM DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner 5-4-26

Date

PHASE 4 PPN 830-108
EKONOMIUK
830-108 E OLD WILLOW RD

Rev. 01/20

April 8, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27298

RE: Limited Asbestos & Lead Inspections
830-108 Ekonomiuk
830-108 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 830-108 E. Old Willow Road, Wheeling, Illinois 60090.

The findings of the attached reports showed Four (4) samples were analyzed for asbestos content with Three (3) samples found to contain asbestos >1% asbestos.

Fourteen (14) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#830-108 Ekonomiuk
830-108 E. Old Willow Road
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 8, 2026

April 8, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27298

RE: Limited Asbestos Inspection
#830-108 Ekonomiuk
830-108 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 830-108 E. Old Willow Road, Wheeling, Illinois 60090. Four (4) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. Three (3) samples were found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

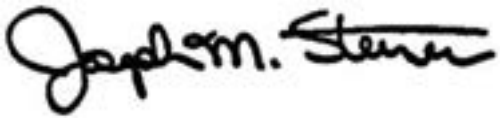
Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447
Reviewed by,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

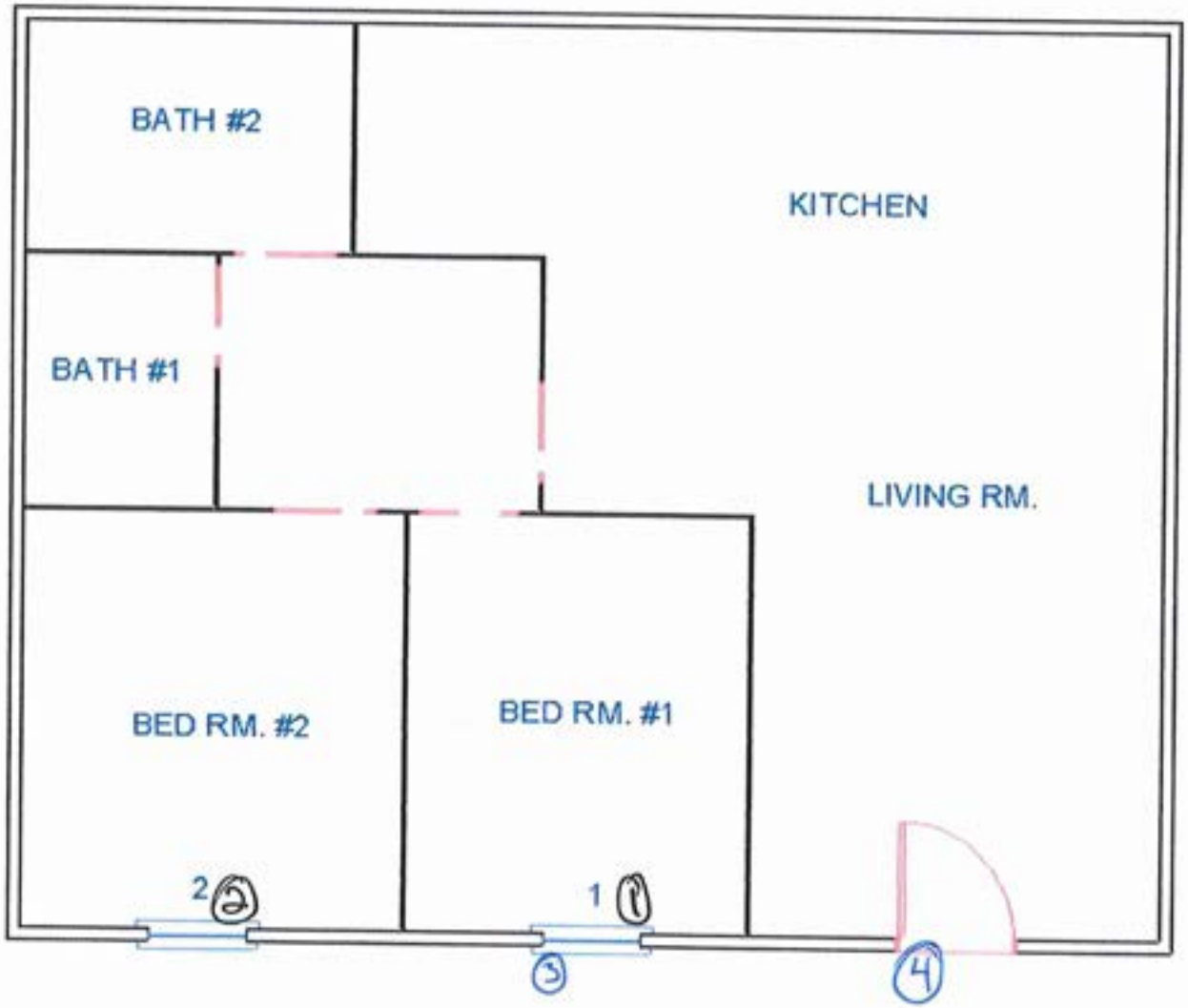


Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27298-04-0801	**White Paint Window (2)**	**Good**	**No**	**High**	**1.5% Chrysotile**
27298-04-0802	Grey Sealant Window (2)	Good	No	High	None Detected
27298-04-0803	**Exterior Grey Caulk Window(2)**	**Good**	**No**	**High**	**1.5% Chrysotile**
27298-04-0804	**Exterior Door Grey Caulk (1)**	**Good**	**No**	**High**	**2% Chrysotile**

830 - 108



Ekonomiuk

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 09, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27298
JMS Batch: 38414

Re: Bulk Asbestos Analyses of sample(s) received 4/8/2026.
#830-108 Ekonomiuk 830-108 E. Old Willow Road - #830-108

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 µm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #830-108 Ekonomiuk 830-108 E. Old Willow Road
Client Project Ref: - #830-108

Project Number: J-27298
Work Order: 38309
Batch Number: 38414

				Asbestos Fibers (%)			Nonasbestos-Fibers (%)		
				% By Visual Estimate					
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392728	--	27298-04-0801	Heterogeneous Grey Caulking	1.5	--	--	<1	--	--
392729	--	27298-04-0802	Homogeneous Grey Caulking	---NON-FIBROUS---					
392730	--	27298-04-0803	Heterogeneous Grey, White Caulking	1.5	--	--	<1	--	--
392731	--	27298-04-0804	Heterogeneous Grey Caulking	2	--	--	<1	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 09, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27298

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies

PROJECT: #830-108 E. Old Willow Rd
PHONE: (713) 213 - 9790
204 Industrial Lane

TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090

Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27298-04-0801	4/8/26	3:35	☐	☐	4	☐	☒	1	☒	☐	☐	☐	☐	☐	
27298-04-0802	↓	↓	☐	☐	↓	☐	☐	↓	☐	☐	☐	☐	☐	☐	
27298-04-0803			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27298-04-0804			☑	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27298-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27298-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27298-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27298-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27298-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27298-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:	[signature]	Date:	4/8/26	Time:	3:35
Relinquished By:	[signature]	Date:	4/8/26	Time:	4:58
Received By:	[signature]	Date:	4/9/26	Time:	1000
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

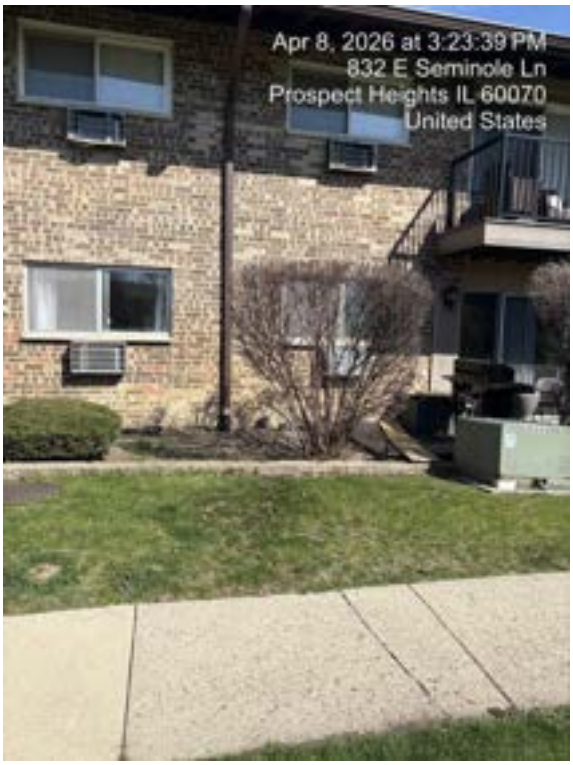
Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

PHOTOGRAPHS OF THE SITE


Apr 8, 2026 at 3:23:39 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 8, 2026 at 3:17:56 PM
828 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 8, 2026 at 3:18:57 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 8, 2026 at 3:18:59 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 8, 2026 at 3:21:42 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States


United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

830-108 East Old Willow Road Prospect Heights, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 8, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both an Illinois Department of Public Health (IDPH) licensed Lead Building Inspector (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family condominium consisting of 2 bedrooms with a total of 2 windows and 1 door. The interior walls and ceiling are drywall. The interior windows and doors scheduled for replacement are made up of unpainted vinyl and metal components with painted wooden frames. The exterior wall is primarily unpainted brick with brown wood siding above the patio door.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) and Illinois Department of Public Health (IDPH) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.
- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.09
					OK	0.98
					OK	1.01
830-108 EAST OLD WILLOW ROAD						
Bedroom 2	D- Window 2 Frame	Wood	White	Intact	0.00	Negative
Bedroom 2	D- Window 2 Sill	Wood	White	Intact	0.00	Negative
Bedroom 2	D- Window 2	Metal	White	Intact	0.00	Negative
Bedroom 2	D-Wall	Drywall	Off-White	Intact	0.00	Negative
Bedroom 1	D- Window 1 Sill	Wood	White	Intact	0.00	Negative
Bedroom 1	D- Window 1 Sill Trim	Wood	White	Intact	0.00	Negative
Bedroom 1	D- Window 1	Metal	Silver	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Bedroom 1	D-Wall	Drywall	Off-White	Intact	0.00	Negative
Living Room	D- Door A Frame	Wood	White	Intact	0.00	Negative
Living Room	D- Door A	Metal	Silver	Intact	0.00	Negative
Living Room	D-Wall	Drywall	Off-White	Intact	0.00	Negative
Exterior	Door A Frame	Metal	Silver	Intact	0.00	Negative
Exterior	Door A	Metal	White	Intact	0.00	Negative
Exterior	Wall	Wood	Brown	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that No lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings




Hey
Siri
skip
to
friday





Lead Based Paint Data Sheet

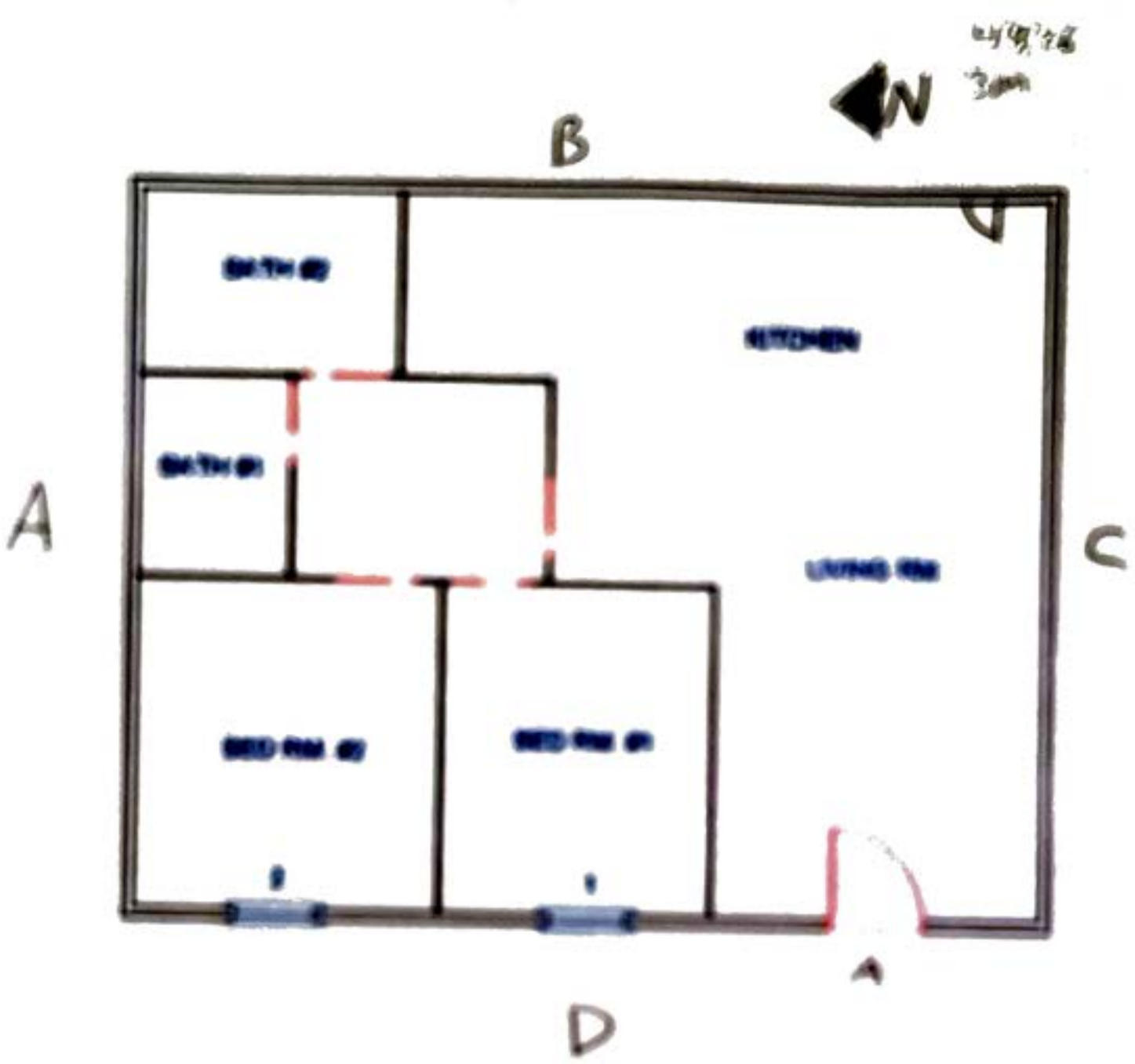
Building/Address: 830-108 E. Old Willow Rd Inspection Date: 4/8/2026 XRF File #:

Functional Space: Inspector: Kenneth Karuhn License #: L-04544

XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
CALIBRATION	N/A	N/A	N/A	N/A	N/A	N/A	1.09 0.98, 1.01	N/A	N/A
	Bedroom 2	D-Window 2 Frame	Wood	White	Intact	Ø	0.00	N/A	Negative
	↓	2 Sill	↓	↓	↓	↓	0.00	↓	↓
	↓	2	Metal	↓	↓	↓	0.00	↓	↓
	↓	D-Wall	Drywall	Off White	↓	↓	0.00	↓	↓
	Bedroom 1	D-Window 1 Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	1 Sill	Trim ↓	↓	↓	↓	0.00	↓	↓
	↓	1	Metal	Silver	↓	↓	0.00	↓	↓
	↓	D-Wall	Drywall	Off-White	↓	↓	0.00	↓	↓
	Living Room	D-Door A Frame	Wood	White	↓	↓	0.00	↓	↓
	↓	A	Metal	Silver	↓	↓	0.00	↓	↓
	↓	D-Wall	Drywall	Off White	↓	↓	0.00	↓	↓
	Exterior D	Door A Frame	Metal	Silver	↓	↓	0.00	↓	↓
	↓	A	↓	White	↓	↓	0.00	↓	↓
	↓	Wall	Wood	Brown	↓	↓	0.00	↓	↓
	Post Calibration	N/A	N/A	N/A	N/A	N/A	1.06, 1.00, 1.05	N/A	Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm^2 as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.



[redacted]
930 - 108 E Oak Willow Rd

APPENDIX C

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **830-205 E Old Willow Road**

Phase: **4**

PPN: **830-205**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO



FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**830-205**
Address:	**830-205 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **830-205**
Address: **830-205 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	35	71	SL	SL		AL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

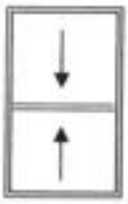
	Phase: **4**
	PPN: **830-205**
Address: **830-205 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

PPN# 830-205

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

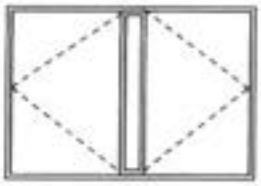
Location

Location

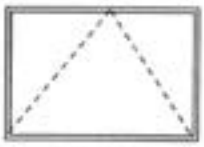
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

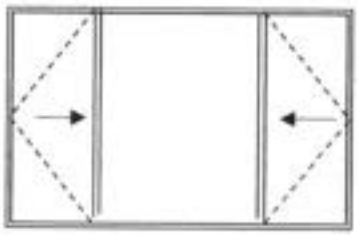
Specialty Windows *(draw here)*

☐ Bay

☐ Bow

☐ Other

Location



☐ SL – FX – SL

☐ CS – FX – CS

Configuration:

Location

Grille Styles



NO GRILL | COLONIAL | COLONIAL (TOP SASH ONLY) | DIAMOND | DIAMOND (TOP SASH ONLY)

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ WHITE ☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☐ All windows to be replaced in kind

☐ Exceptions noted in field indicated above

PHASE 4 PPN 830-205
DOHOTARIN
830-205 E OLD WILLOW RD

Homeowner Date

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	94	81	NO	NO	NO	YES	YES	STANDARD	24	DECK AT SILL. SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: 4	PPN: 830-205
Address: **830-205 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Prospect Heights**		

PPN# 830-205

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1

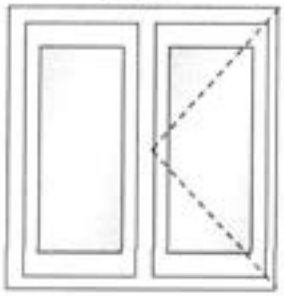


Sliding Glass Door

DOOR A

Location

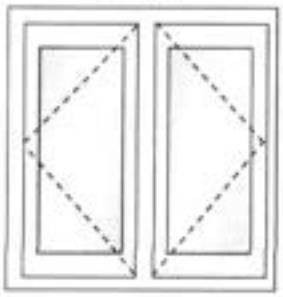
AD1



Atrium Door

Location

FD1

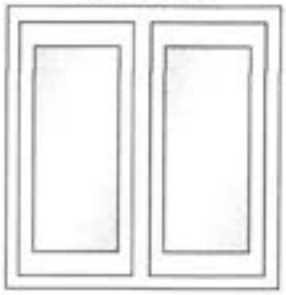


French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

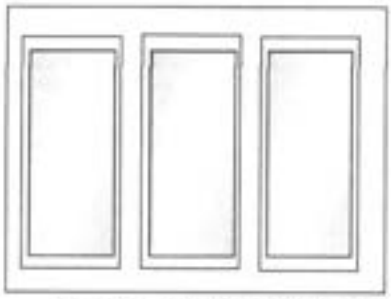


Sliding Storm Door

DOOR A

Location

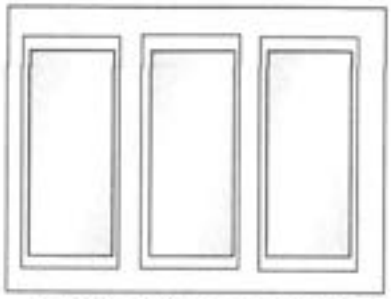
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING **STORM** DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

PHASE 4 PPN 830-205
DOHOTARIN
830-205 E OLD WILLOW RD

Rev. 03/26

JMS
Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 8, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27296

RE: Limited Asbestos & Lead Inspections
830-205 Dohotarin
830-205 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 830-205 E. Old Willow Road, Wheeling, Illinois 60090.

The findings of the attached reports showed Four (4) samples were analyzed for asbestos content with One (1) sample found to contain asbestos >1% asbestos.

Ten (10) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

ASBESTOS REPORT

816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

LIMITED ASBESTOS BULK BUILIDNG INSPECTION

#830-205 Dohotarin
830-205 E. Old Willow Road
Wheeling, Illinois 60090



Performed for:

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Prepared By:

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, Illinois 60559
630-755-8500

April 8, 2026

Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

April 8, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

Attn: Ms. Penny Merritt

JMS Project: J-27296

RE: Limited Asbestos Inspection
#830-205 Dohotarin
830-205 E. Old Willow Road
Wheeling, Illinois 60090

Dear Ms. Merritt:

This report covers the results of the assumed asbestos inspection and analysis that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 830-205 E. Old Willow Road, Wheeling, Illinois 60090. Four (4) samples were analyzed for asbestos content.

Enclosed is a summary of the sample locations and results. Environmental Protection Agency considers anything over 1% to be asbestos containing. A copy of the laboratory analytical results is also included for review. One (1) sample was found to contain Asbestos in quantities exceeding 1%. Please see the attached table for materials and sample locations. When asbestos is found in quantities greater than 1%, the material should be removed by a licensed contractor.

The U.S. E. P. A defines a material as asbestos containing if the concentration of asbestos fibers in greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos in not detected or detected in quantities less than or equal to 1% be verified by- transmission electron microscopy (TEM). Fed. Reg. Vol.59, No. 146, 8/1/94, p.38970-38971.

If you have any further questions, do not hesitate to contact me at JMS.

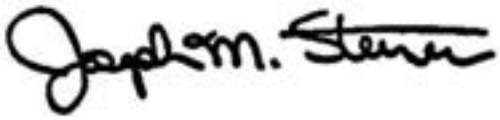
Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Christopher Waddell
Inspector
IDPH # 100-20447
Reviewed by,

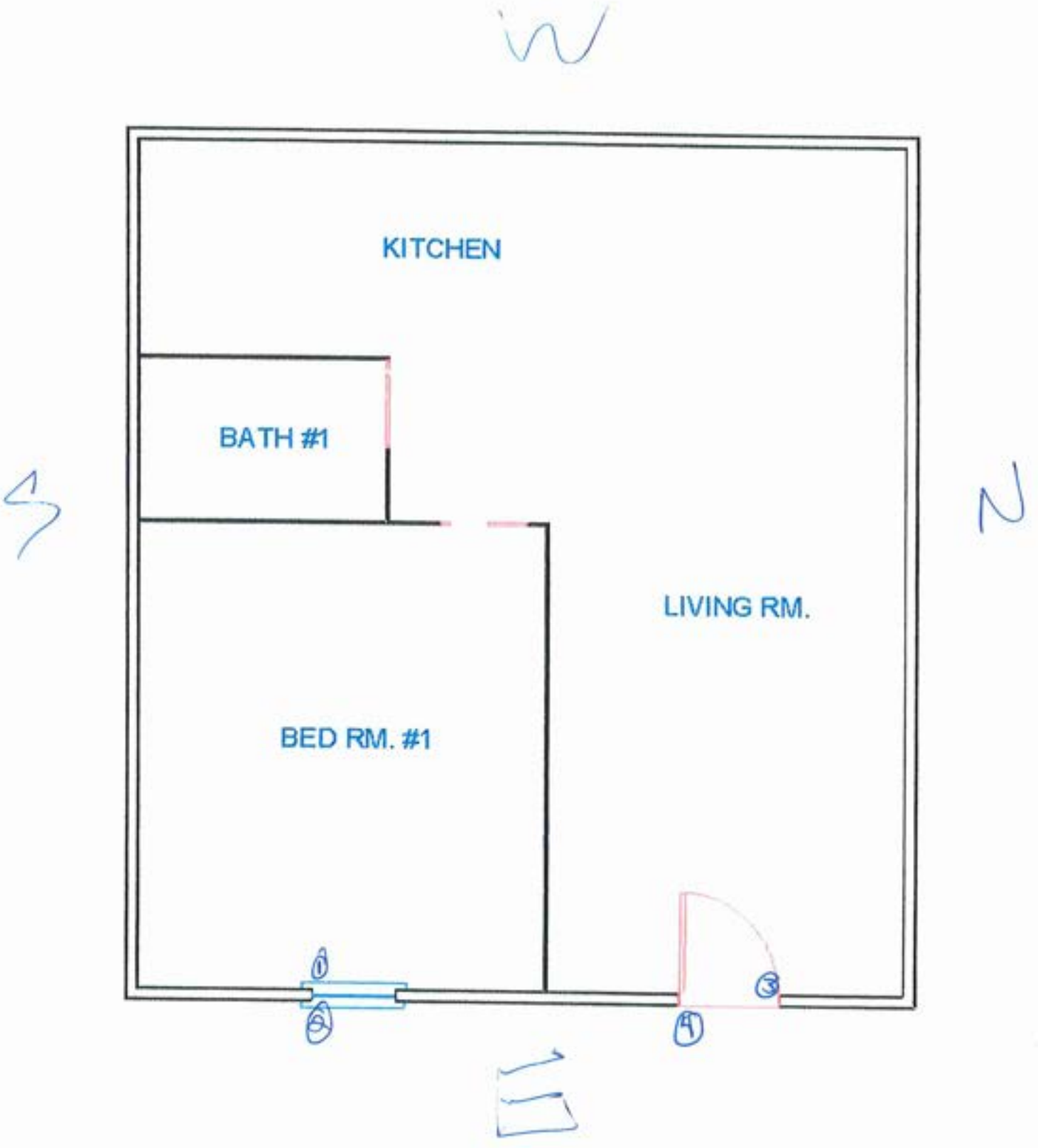
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner
Environmental Director/ President

Asbestos Sampling Results

SAMPLE NUMBER	MATERIAL /LOCATION	CONDITION	FRIABILITY	ACCESSABILITY	% ASBESTOS
27296-04-0801	Tan Textured Door Paint, 1 Window	Good	Yes	High	None Detected
27296-04-0802	Grey Window Caulk, 1 Window	Good	No	High	None Detected
27296-04-0803	White Textured Door Paint 1 Door	Good	Yes	High	None Detected
27296-04-0804	**Brown/White Exterior Door Caulk**	**Good**	**No**	**High**	**2% Chrysotile**



Dohotarin

LABORATORY RESULTS

JMS Environmental Associates, Ltd.

816 Burr Oak Drive ● Westmont, Illinois 60559 ● Tel: (630) 655-8500 ● Fax: (630) 655-8724

JMS

April 09, 2026

C&S Companies
204 Industrial Lane
Wheeling, IL 60090

Attn: Penny Merritt

JMS Project: 27296
JMS Batch: 38412

Re: Bulk Asbestos Analyses of sample(s) received 4/8/2026.
#830-205 Dohotarin 830-205 E Old Willow Rd. - #830-205

Dear Ms. Merritt,

This report[1,2] summarizes the results[3] of the analysis of bulk material for asbestos performed by JMS Environmental Associates, Ltd. for C&S Companies. A detailed analysis report has been included for your review.

The U.S.E.P.A defines a material as asbestos containing if the concentration of asbestos fibers is greater than 1% by weight. If the quantity of asbestos is determined to be <10% by visual estimate, the owner or operator may (1) elect to assume the amount of asbestos to be greater than 1% and treat the material as asbestos containing material or (2) request verification by point counting technique. If a result obtained by point count is different from a result obtained by visual estimation, the point count result will be used.

These sample(s) will be discarded after 3 months of their receipt unless instructed otherwise.

Should you require further assistance regarding this matter, the staff at JMS Environmental Associates, Ltd. is experienced and licensed in all aspects of asbestos consulting. If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner, MS
Laboratory Director

[1] This report shall not be reproduced except in full, without the written approval of the laboratory.
[2] This report must not be used to claim product endorsement by an accrediting organization or any other agency of the U.S. Government.
[3] Results relate only to the items tested.

ASBESTOS BULK MATERIAL ANALYSES:

This part of the report covers the results of bulk material analyses that JMS Environmental Associates, Ltd. conducted for C&S Companies. The information that is presented in this report is representative of the sample(s) submitted to JMS Environmental Associates, Ltd.

The attached information tabulates the quantities of fibrous material found in each sample. The numbers will not necessarily add up to 100%, with the balance being filler and binder materials. The symbol (--) indicates not detected. A sample labeled heterogeneous indicates the possibility of significantly higher local concentrations than the averaged value reported. If the average asbestos content of a heterogeneous (multi-layered) sample is less than or equal to 1%, but greater than none detected (--), additional analysis by separate layers will be necessary to ensure that no layer in the sample contains greater than one percent asbestos.

Vinyl floor tiles may contain thin fibers <0.25 μm in diameter that are below the resolution of the polarized light microscope (PLM). The U.S.E.P.A. recommends that vinyl floor tiles analyzed by PLM in which asbestos is not detected or detected in quantities less than or equal to 1% be verified by transmission electron microscopy (TEM). Fed. Reg. Vol. 59, No. 146, 8/1/94, p. 38970-38971.

Sample analysis has been performed in accordance with the United States Environmental Protection Agency's 40 CFR Appendix E to Subpart E of part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and supplemented by EPA/600/R-93/116, July 1993 – "Method for the Determination of Asbestos in Bulk Building Materials." Analysis was initiated by a stereoscopic examination of the sample as received. Any obvious fractions were noted and samples of each fraction were mounted for polarized light microscopy in a 1.515 index liquid. When mounting samples, any fibrous material is thoroughly separated for optical measurements. Classification of suspected asbestos fibers is achieved by determining the morphology, isotropy, pleochroism, extinction angle, sign of elongation, birefringence and refractive indices. Concurrently, the relative abundance of any asbestos material, other fibers, fillers and binders is determined. Identification of non-asbestos material is not as rigorous as these are not the species of interest.

Quantities measured by calibrated visual estimates are determined by comparing areal coverage and thickness of various species present to reference material standards of known weight percent. The quantity "<1" is reported when asbestos events are observed but determined by calibrated visual estimate to be less than 1%.

Point count percentages are obtained by calculating the ratio of asbestos events counted to total number of particles counted. A minimum of 400 total points is counted over 8 or more preparations to establish statistical significance. The quantity of "<1" is reported when 1

ASBESTOS BULK MATERIAL ANALYSES: (continued)

to 3 asbestos events are detected within a minimum 400-point count or when asbestos events are observed but none are counted within a minimum 400-point count.

The overall uncertainty of asbestos analysis is determined in part by analyzing in-house reference material. Quantity measurements from in-house reference material can be used to determine the accuracy of asbestos quantifying methods. The following JMS accuracy values for critical asbestos quantities have been calculated:

Method	Quantity of Asbestos	Accuracy of Measurement
Point Count	1.0% - 10.0%	±2.0%
CVES	1% – 10%	±3%

When suspected asbestos fibers are observed, they are classified by measuring the following optical properties: refractive index, birefringence, extinction angle, pleochroism, isotropy, sign of elongation, and color. Fibers having optical properties consistent with predefined values are classified as asbestos.

The optical properties of the various forms of asbestos are as follows:

Amosite:	Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers; refractive indices of 1.664-1.686 and 1.687-1.729, birefringence 0.020-0.033 and parallel extinction.
Chrysotile:	Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Indices are 1.529-1.559 and 1.537-1.576, birefringence of 0.004-0.016 and the fibers exhibit parallel extinction.
Anthophyllite:	Similar in morphology to amosite but refractive indices of 1.606-1.648 and 1.626-1.670, birefringence of 0.013-0.025 and extinction is parallel.
Crocidolite:	Similar in morphology to amosite but is distinguished by blue to blue-green pleochroic coloration and indices of 1.680-1.698 and 1.685-1.706. It is commonly referred to as blue asbestos.
Tremolite-Actinolite Series:	Transparent, elongated furrowed prisms, usually with uneven jagged ends and smooth sides, with oblique extinction and positive elongation; indices are 1.559-1.612 and 1.625-1.637. The two minerals are very similar chemically and grade into each other.

Attached with this section of the report are the analytical results of the bulk material samples.

JMS Environmental Associates, Ltd.
Westmont, Illinois

Bulk Sample Analysis For Asbestos Content

Client: C&S Companies
Project Name: #830-205 Dohotarin 830-205 E Old Willow Rd.
Client Project Ref: - #830-205

Project Number: J-27296
Work Order: 38307
Batch Number: 38412

				Asbestos Fibers (%) % By Visual Estimate			Nonasbestos-Fibers (%)		
Log Number	Layer I.D.	Sample Identification	Sample Description	Chrys.	Amos.	Other	Cellulose	Fibrous Glass	Other
392718	--	27296-04-0801	Heterogeneous Blue, White Plaster	--	--	--	<1	--	--
392719	--	27296-04-0802	Heterogeneous Clear, Grey Caulking	--	--	--	<1	--	--
392720	--	27296-04-0803	Heterogeneous Grey, White Caulking	--	--	--	<1	--	--
392721	--	27296-04-0804	Heterogeneous Grey Caulking	2	--	--	<1	--	--

Abbreviations:

Croc.	Crocidolite	Trem.	Tremolite	Synth.	Synthetic Fibers
Anth.	Anthophyllite	Actin.	Actinolite	CaSil.	Calcium Silicates

Explanation: Percentages will not necessarily add up to 100%, with the balance being nonfibrous filler and binder materials.
Comments:

Analyst: John Aschbacher

Date: April 09, 2026

JMS Environmental Associates, Ltd.

816 Burr Oak Drive • Westmont, IL 60559 • (630) 655-8500 • Fax (630) 655-8724

JMS PROJECT No: J- 27296

P.O. No:

CLIENT: C& S Companies
CONTACT: Penny Merritt
REPORT TO: C&S Companies
PROJECT: #830-205 E Old Willow
PHONE: (713) 213 - 9790
204 Industrial Lane
TAT: 24 HR ____ DAY
FAX: ( ) -
Wheeling, IL 60090
Results Needed by: ____
EMAIL: pmerritt@cscos.com

Sample ID	Date Collected	Time Collected	Grab	Composite	Matrix*	Preservation Yes	Preservation No	# of Containers	PLM						Comments on Sample
27296-04-08 01	4/8/26	1:25	☐	☐	4	☐	☒	1	☑	☐	☐	☐	☐	☐	
27296-04-08 02	↓	↓	☐	☐	↓	☐	☐	↓	☐	☐	☐	☐	☐	☐	
27296-04-08 03	↓	↓	☐	☐	↓	☐	☐	↓	☐	☐	☐	☐	☐	☐	
27296-04-08 04	↓	↓	☑	☐	↓	☐	☒	↓	☐	☐	☐	☐	☐	☐	
27296-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27296-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27296-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27296-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27296-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	
27296-04-08			☐	☐		☐	☐		☐	☐	☐	☐	☐	☐	

Collected By:	CS	Date:	4/8/26	Time:	1:25
Relinquished By:	CS	Date:	4/8/26	Time:	5:00
Received By:		Date:	4/9/26	Time:	1000
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By:		Date:		Time:	
Lab Submitted to:		Phone:			

Lab Use Only

Seals intact upon Receipt	☐ Yes	☐ No	☐ N/A
Broken Container(s)	☐ Yes	☐ No	
All Containers labeled	☐ Yes	☐ No	
Received in Ice	☐ Yes	☐ No	
All Samples Accounted for	☐ Yes	☐ No	☐ N/A
Suspected Contamination	☐ Yes	☐ No	

* 1: Soil, 2:Water, 3:Sludge, 4: Bulk Building Material, 5: Air, 6: Dust, 7:Other

INSPECTOR LICENSING

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540

3/18/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20447

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

IDPH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 20447	3/18/2025	05/15/2026

CHRISTOPHER J WADDELL
65403 BRIDLESPUR DR
NAPERVILLE, IL 60540
Environmental Health



Back of License

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/30/2026
PROJECT MANAGER	2/3/2026
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

OCCUPATIONAL TRAINING & SUPPLY, INC.
7233 S. Adams Street | Willowbrook, IL 60527 (630) 655-3900 | www.otssafety.com

2025

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Christopher Waddell

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Course Date: 1/30/2025

Exam Date: 1/30/2025

Expiration Date: 1/30/2026

Certificate Number: BIR2501300417

Course Credit Hours: BIR 4 Hours

Kristina Miczek

Kristina Miczek, Training Manager

LABORATORY ACCREDITATION

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102012-0

JMS Environmental Associates, Ltd.

Westmont, IL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2026-04-01 through 2027-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Mr. John Aschbacher
Phone: 630-655-8500 Fax: 630-655-8724
Email: jaschbacher@jmsenviro.com
http://www.jmsenviro.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102012-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 20, 2026

John Aschbacher
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

NVLAP Lab Code: 102012-0

Dear Mr. Aschbacher,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2027, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.9. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Shelby Williamson, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-3024.

Sincerely,

Robert Knake, Chief
National Voluntary Laboratory Accreditation Program

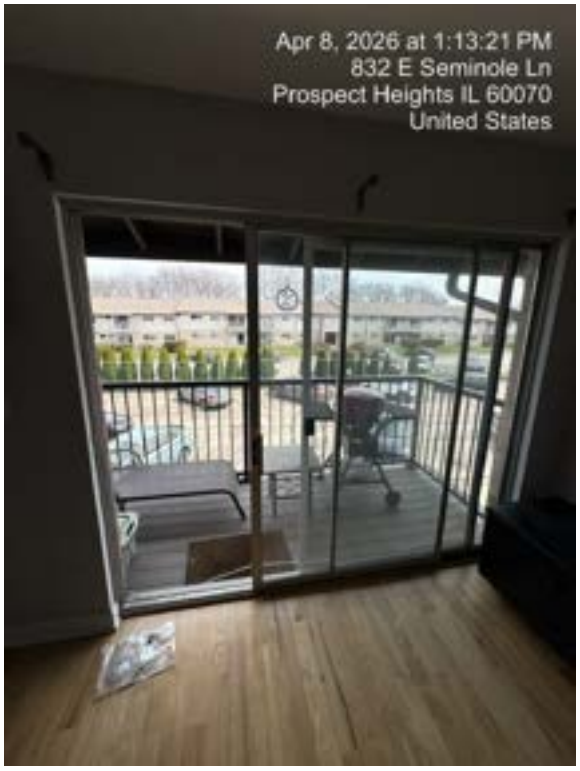
PHOTOGRAPHS OF THE SITE


Apr 8, 2026 at 1:04:58 PM
832 E Seminole Ln
Prospect Heights, IL 60070
United States
830


Apr 8, 2026 at 1:05:11 PM
832 E Seminole Ln
Prospect Heights, IL 60070
United States


Apr 8, 2026 at 1:11:44 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 8, 2026 at 1:11:48 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States


Apr 8, 2026 at 1:13:21 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States




Apr 8, 2026 at 1:15:00 PM
832 E Seminole Ln
Prospect Heights IL 60070
United States

LEAD REPORT

TEM ENVIRONMENTAL, INC.
ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

Limited Lead-Based Paint Building Inspection Report

830-205 East Old Willow Road
Prospect Heights, Illinois

For

JMS Environmental Associates Ltd.

816 Burr Oak Dr.
Westmont, Illinois 60559

Submitted April 23, 2026

TEM Environmental, Inc.
Project 78231

Table of Contents

1 INTRODUCTION 1
2 BUILDING DESCRIPTION 1
3 EVALUATION CRITERIA 1
3.1 Visual Assessment 1
3.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead 1
4 STANDARD OF CARE 2
4.1 General Conditions and Limitations 2
4.2 Reliance 2
5 RESULTS 3
5.1 XRF Sampling Results for Lead Paint 3
6 Conclusions & Recommendations 4
6.1 Conclusions 4
6.2 Recommendations 4

APPENDICES

APPENDIX A **Inspector Licenses and Certificates**
APPENDIX B **Photos, Field Data Sheets and Drawings**
APPENDIX C **XRF Performance Characteristic Sheet**

1 INTRODUCTION

TEM Environmental, Inc. (TEM) was retained by JMS Environmental to conduct a targeted lead-based paint (LBP) inspection for the FAA Window/Door Replacement Project which will be completed by C&S Companies.

The purpose of the lead-based paint survey was to test windows and doors scheduled for replacement and other components such as ducts, walls, ceilings, etc. that may be impacted during the renovation. TEM Environmental, Inc. inspected areas and materials in coordination and at the direction of JMS Environmental and C&S Companies. Sampling results and inspection services presented in this report are limited to the materials and areas surveyed.

The survey was conducted on April 8, 2026. Inspection activities were performed by Mr. Kenneth Karuhn and Mr. Thomas Hartenburg, both are Illinois Department of Public Health (IDPH) licensed Lead Building Inspectors (IDPH #004544 and IDPH #1002493). Copies of Mr. Karuhn's and Mr. Hartenburg's licenses and certifications can be found in Appendix A.

The scope of this project consisted of the following tasks:

- Visual inspection of the targeted areas to inventory suspect materials and assess material conditions
- X-Ray Fluorescence (XRF) sampling for lead-based paint (LBP)

2 BUILDING DESCRIPTION

The structure indicated in this survey is a single-family condominium consisting of 1 bedroom with a total of 1 window and 1 door. The interior walls and ceilings are drywall. The window and door scheduled for replacement are unpainted vinyl with wooden frames and sill in the interior and vinyl and metal on the exterior, where present. The exterior wall is primarily unpainted brick with some accentuating tan wood siding above the patio door.

EVALUATION CRITERIA

2.1 Visual Assessment

The subject properties were visually inspected for the identification of construction materials, building systems, and homogeneous types suspect lead containing paint. The visual inspection, in conjunction with reviews of available historical documents, was made to identify materials to be sampled and to assess conditions of the materials. Inspection and sampling activities were performed in coordination with representatives of JMS Environmental and C&S Companies company and were limited to the targeted materials and areas discussed in this report. An exhaustive lead building inspection was not performed, and the data contained herein should not be used to draw conclusions regarding any areas not described in this report.

2.2 X-Ray Fluorescence (XRF) Sampling Strategies for Lead

The lead paint building inspection portion of this investigation was done was done in accordance with the recommended lead-based paint inspection protocols found in the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (June 1995, revised 2012).

Lead-based paint sampling was performed using a SciAps X-550Pb XRF Analyzer - Serial #02535. The analyzer uses an electric current under high voltage to produce x-rays. The x-ray operates in quick mode with variable-time readings ranging from 2-6 seconds. SciAps X-550Pb XRF Analyzer has a Department of Housing and Urban Development approved Performance Characteristic Sheet document effective February 1, 2022. The analyzer reports results in milligrams of lead per square centimeter (mg/cm^2) collects accurate lead paint results of either positive or negative for lead-based paint. Lead Based Paint is defined by both the Environmental Protection Agency (EPA) and Illinois Department of Public Health (IDPH) as any surface that contains greater than 1 mg/cm^2 of surface area. A result of >0.0 mg/cm^2 and <1.0 mg/cm^2 does not necessarily mean that no lead is present, but that surface coating evaluated does not meet the definition of lead-based paint.

While both the EPA and IDPH have provided a definition for lead-based paint, the Occupational Health and Safety Administration (OSHA) does not define lead-based paint so any measurable lead will require OSHA compliance. The EPA and IDPH definition of lead-based paint is paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a “lead containing material” subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

3 STANDARD OF CARE

TEM conducted this assessment in general accordance with the requirements of the U.S. Department of Housing and Urban Development's (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" (Second Edition, July, 2012).

3.1 General Conditions and Limitations

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or other localities. The information in this report is deemed reliable but there cannot be a guarantee that all hazardous or potentially hazardous conditions have been located or identified. Some of the reasons for this are:

- Unless specifically noted, our findings and areas we selected to be sampled are based on visual observations. Materials containing lead and conditions which are concealed or are inaccessible and which may necessitate lead mitigation activities may not have been discovered.

- Some conclusions are in part or wholly based on verbal information provided to us by others. TEM cannot be held responsible if such information is inaccurate.

3.2 Reliance

This report is for the exclusive use of JMS Environmental, and C&S Companies for the project being discussed. No other individual or entity may rely on this report without written permission of TEM and JMS Environmental and C&S Companies. Reliance on this report by JMS Environmental and C&S Companies, and all authorized parties will be subject to the key understandings and limitations stated in the report.

The purpose of this investigation was to collect and analyze information from specific components identified by our client in order to make sound judgments regarding the management of potential lead paint and proposed renovations.

The results discussed in this report are representative of the conditions observed and evaluated on the respective day(s) stated and on the stated intended uses of the subject property. It may not be appropriate to use this report or its data for any other purpose.

4 RESULTS

4.1 XRF Sampling Results for Lead Paint

During this survey, TEM inspected and sampled paint from representative surfaces where paint would likely be affected by renovation activities based on the construction scope of work known at the time of the survey.

Table 1 below shows XRF measurements for specific locations. **Results are classified as "lead-based paint" according to the EPA and IDPH definition of paint containing ≥1.0 mg/cm^2 lead as measured by X-Ray Fluorescence (XRF).**

Amounts below this level still indicate the possible presence of lead. OSHA considers any material that contains lead to be a "lead containing material" subject to the OSHA Construction Industry Standard for Lead and all applicable OSHA standards.

Table 1
XRF Sampling Results

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm^2)
Calibration 1.0 NIST Standard					OK	1.00
					OK	0.98
					OK	1.01
830-205 EAST OLD WILLOW ROAD						
Living Room	B- Door Frame	Metal	White	Intact	0.00	Negative
Living Room	B- Door Frame	Metal	Silver	Intact	0.00	Negative
Living Room	B- Wall	Drywall	Grey	Intact	0.00	Negative

LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	LEAD CONCENTRATION (mg/cm²)
Exterior	B- Door Frame	Metal	White	Intact	0.00	Negative
Exterior	B- Door	Metal	White	Intact	0.00	Negative
Exterior	B- Wall	Wood	Brown	Intact	0.00	Negative
Bedroom 1	B- Window Sill	Wood	White	Intact	0.00	Negative
Bedroom 1	B- Window Sill Trim	Wood	White	Intact	0.00	Negative
Bedroom 1	B- Window	Metal	White	Intact	0.00	Negative
Bedroom 1	B- Wall	Drywall	Tan	Intact	0.00	Negative

a – See Drawings in Appendix B for additional component location information

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This lead-based paint survey was conducted on building components prior to renovation activities using an XRF Analyzer.

The results of XRF sampling confirm that No lead-based paint was identified in the referenced components listed in this report.

5.2 Recommendations

If painted surfaces or components not listed in the Tables of this report are discovered during renovation, contact TEM Environmental, Inc. for additional sampling.

Incorporate the data and information from this report into future renovation plans and environmental records for the property.

APPENDIX A

TEM Environmental, Inc.
Inspector Licenses and Certificates

OCCUPATIONAL TRAINING & SUPPLY, INC. | 7233 ADAMS STREET | WILLOWBROOK, IL 60527 (630)655-3900 | WWW.OTSSAFETY.COM

2026

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Kenneth Karuhn

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health (TCP ID No. 25) in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 2/2/2026

Exam Date: 2/2/2026

Expiration Date: 2/2/2029

Certificate Number: LRAR2602020375

Kristina Miczek

Kristina Miczek, Training Manager

IDPH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
004544	3/7/2026	1/31/2027

Kenneth Karuhn
1 S. 324 Euclid Ave.
Villa Park, IL 60181



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
2/2/2029
This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W.Jefferson St Springfield, IL 62761

CERTIFICATE OF ACHIEVEMENT
LEAD INSPECTOR'S TRAINING

Approved by the Illinois Department of Public Health

This is to certify that THOMAS J. HARTENBURG has completed the 1-day INSPECTOR RECERTIFICATION course and successfully passed the examination on 1/5/2026 with a minimum score of 70%. Training was in accordance with the Illinois Lead Poisoning Prevention Code 77 ILL ADM Code 845.30 and U.S. EPA Model Training Course Curriculum.

Course Dates:
1/5/2026 - 1/5/2026

Expires:
1/5/2029

Certificate Number:
2601LIR04

PHS Environmental & Occupational Services

www.public-health-safety.com

1528 West Adams Street
Chicago, Illinois 60607

Director of Training
Nicholas J. Peneff
Doctor of Public Health

Phone: (312) 491-0081

Form # L-010

IDPH **LEAD INSPECTOR LICENSE**

LEAD ID	ISSUED	EXPIRES
1002493	3/7/2026	1/31/2027



Thomas J Hartenburg
174 N. Brandon Drive
Glendale Heights, IL 60139

ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
INSPECTOR CERTIFICATE EXPIRES 1/5/2029

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate

If found return to 525 W Jefferson Street
Springfield, IL 62761

APPENDIX B

Photos, Field Data Sheets and Drawings







APPENDIX C

XRF Performance Characteristic Sheet

Lead Based Paint Data Sheet

Building/Address: 830-205 E. OH Willow Rd Inspection Date: 4/8/2026 XRF File #: _____

Functional Space: _____ Inspector: Kenneth Karuhn License #: L-04544

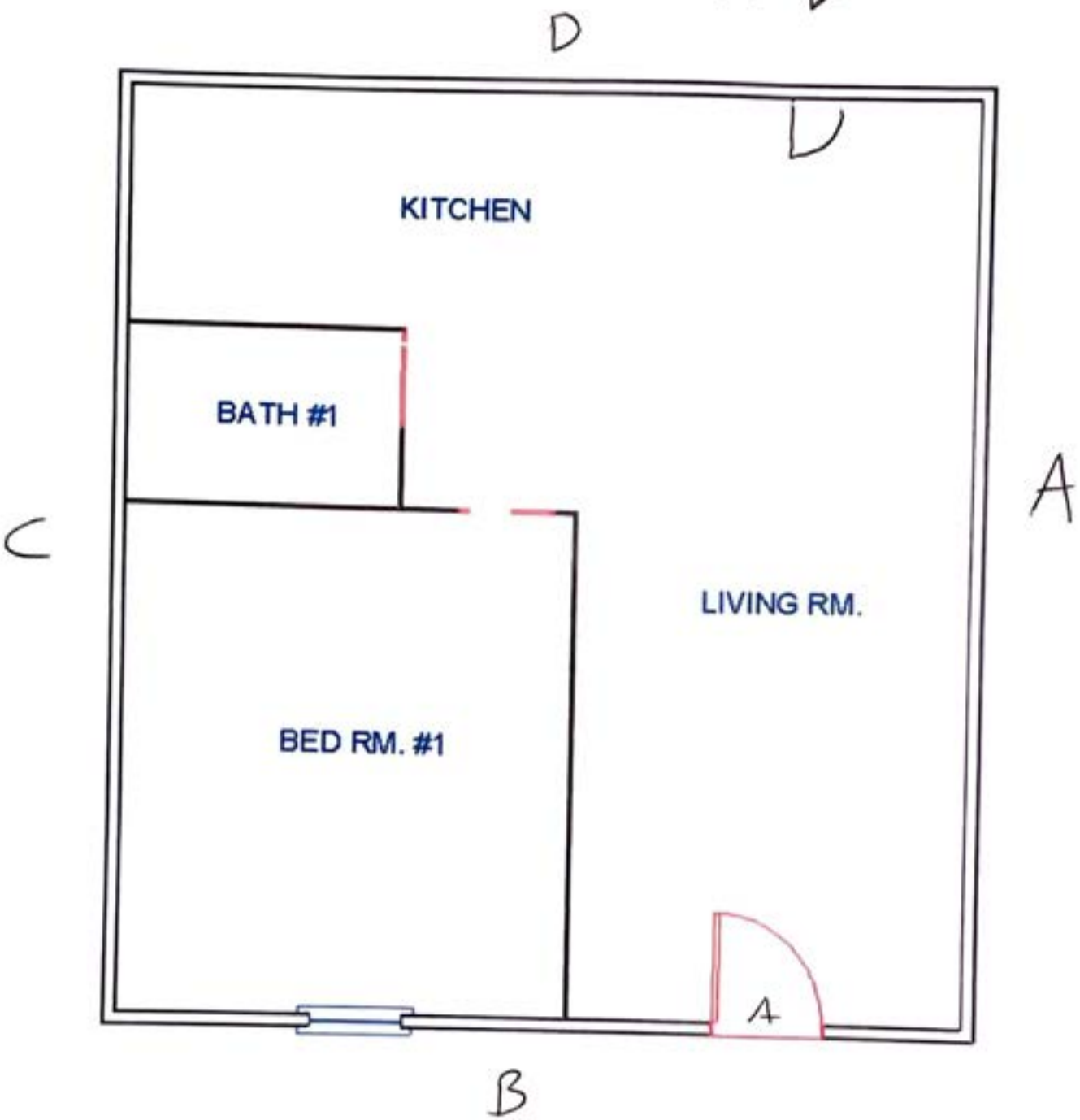
XRF Serial #: 02535 XRF Instrument: SciAps Inspector's Signature: Kenneth Karuhn

Sample #	Room Identification Location	Component	Substrate	Color	Condition Assessment	Estimated Damage	XRF Reading Mg/cm2	Laboratory Results (% by weight) (If Needed)	Final Classification Positive/Negative
	Calibration	N/A	N/A	N/A	N/A	N/A	1.00, 0.98, 1.01	N/A	Acceptable
	Living Rm	B- Door A Frame	Metal	White	Intact	Ø	0.00	N/A	Negative
	↓	↓	↓	Silver	↓	↓	0.00	↓	↓
	↓	B-Wall	Drywall	Gray	↓	↓	0.00	↓	↓
	Exterior Porch	Door Frame	Metal	White	↓	↓	0.00	↓	↓
	↓	Door A	↓	↓	↓	↓	0.00	↓	↓
	↓	Wall	Wood	Brown	↓	↓	0.00	↓	↓
	Bedroom #1	B Window Sill	wood	White	↓	↓	0.00	↓	↓
	↓	↓ Sill	Trim wood	white	↓	↓	0.00	↓	↓
	↓	↓ 1	Metal	White	↓	↓	0.00	↓	↓
	↓	B-Wall	Drywall	Tan	↓	↓	0.00	↓	↓
	Post Calibration	N/A	N/A	N/A	N/A	N/A	1.06, 1.00, 1.05	N/A	Acceptable

EPA/IDPH Define Lead-Based Paint as any coating >1.0 mg/cm² as measured by X-Ray Fluorescence or 0.5% by Weight (5,000 parts per million) as measured by Laboratory Analysis.

4/8/26
1 PM

N



Dohotarin

830 - 205 E. Old Willow Rd

Performance Characteristic Sheet

EFFECTIVE DATE: **February 1, 2022**

MANUFACTURER AND MODEL:

Make: ***SciAps***
Models: ***Model X-550***
X-Ray Source: ***Rhodium (Rh) or Gold (Au) Anode***

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING:

1.0 mg/cm^2

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive) on NIST SRM 2579 (1.02 mg/cm^2)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Au Anode (quick) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0
Rh Anode (Timed or Quick), Au Anode (Timed) **READING DESCRIPTION**	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	0.9 0.9 0.9 0.9 0.9 0.9

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm^2).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Au Anode in Quick mode are classified as **positive** if they are **greater than or equal** to 1.0 mg/cm^2 and ***negative*** if they are ***less than*** *to* 1.0 mg/cm^2. XRF results for the Au Anode in Timed mode and for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.9 mg/cm^2 and ***negative*** if they are ***less than*** *to* 0.9 mg/cm^2

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm^2 and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

Project: **CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM**

Address: **830-208 E Old Willow Road**

Phase: **4**

PPN: **830-208**

General

[ ] Replace windows and storm windows with new acoustical windows and storms as scheduled.

[ ] Provide fiberglass insulation around interior perimeter of all new windows and doors.

[ ] Provide sealant around interior and exterior perimeter of all windows and doors.

[ ] Provide new exterior brake metal at all window replacement locations.

[ ] Replace existing doors with new prime doors and storm doors as scheduled.

[ ] Test and renovate lead-based paint according to the EPA regulation 40 CFR part 745 subpart E "Residential Property Renovation".

[ ] See Division 1 through 10 Specifications and Contract Details for detailed Scope of Work.

Miscellaneous Notes

[ ] Home has brick siding.

PHOTO

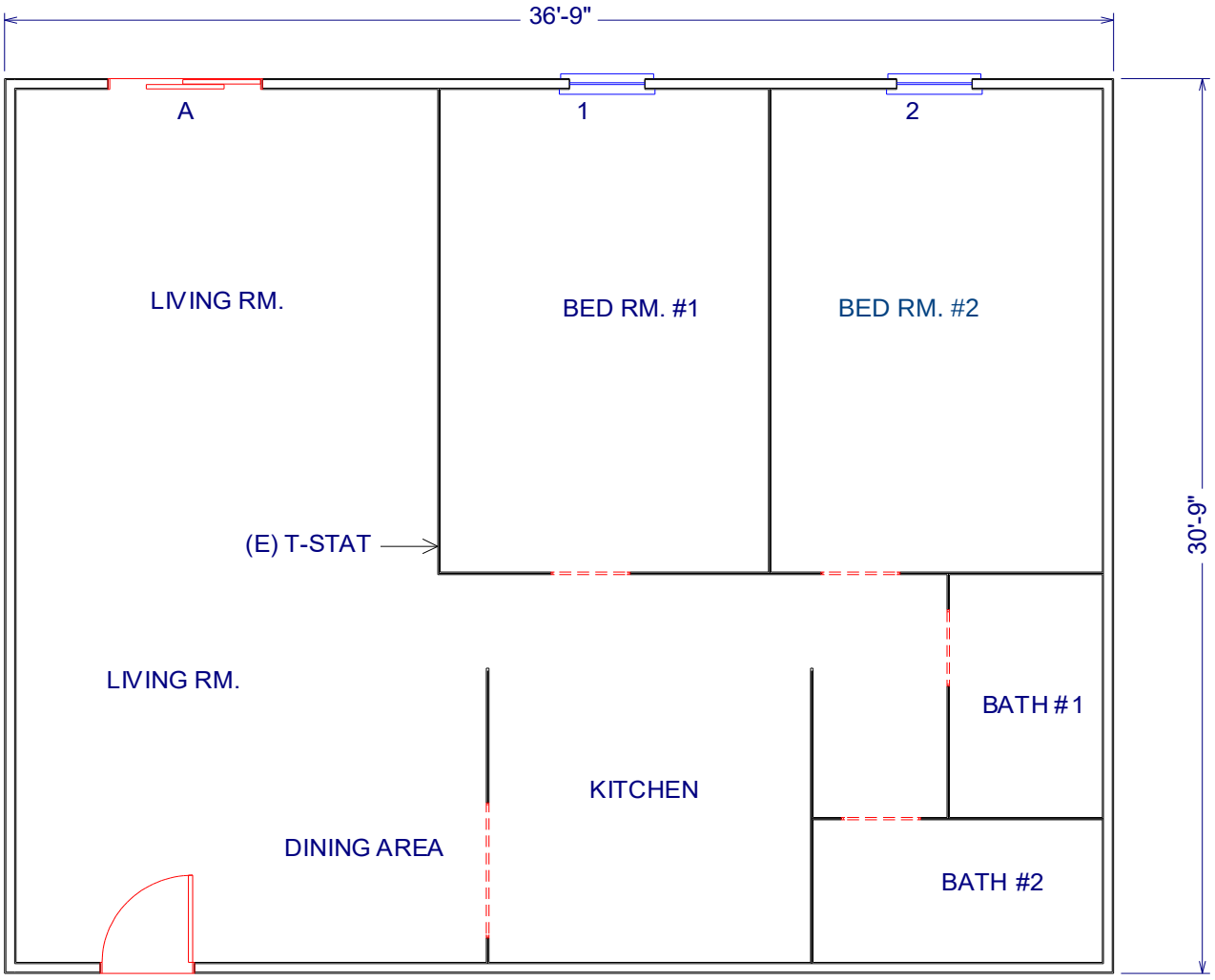


FRONT OF RESIDENCE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

		Phase:	**4**
		PPN:	**830-208**
Address:	**830-208 E Old Willow Road**	Revised:	
Town:	**Prospect Heights**	C&S COMPANIES®	**QuieterHome® Program**

SECOND FLOOR PLAN



NOT TO SCALE

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

	Phase: **4**
	PPN: **830-208**
Address: **830-208 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

Duct routings and locations are approximate and may differ from final constructed conditions. Floor plan is a schematic representation only.

WINDOW SCHEDULE

#	W	H	EXISTING STYLE	NEW STYLE	NEW STORM	EXISTING MATERIAL	NEW MATERIAL	NEW MUNTINS	DETAIL	REMARKS
1	72	32	SL	SL		VL	VL		2.1	DRYWALL RETURNS.
2	72	32	SL	SL		VL	VL		2.1	DRYWALL RETURNS.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

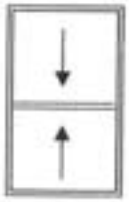
	Phase: **4**
	PPN: **830-208**
Address: **830-208 E Old Willow Road**	Revised:
Town: **Prospect Heights**	C&S COMPANIES® **QuieterHome® Program**

PPN# 830-208

QUIETERHOME PROGRAM

Window Elevations

List only the window #'s that are changing style



DOUBLE HUNG



FIXED



SLIDER

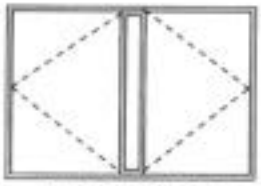
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Location

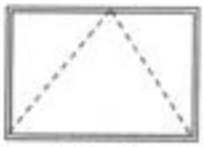
Location



CASEMENT



2-LITE CASEMENT



AWNING

Location

Location

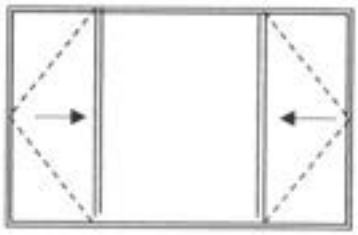
Location

Note:
Windows are available with opaque glass. "Non-acoustic" window elevations similar.
Vinyl windows may include permanently affixed exterior aluminum storm window, depending on manufacturer selected by Contractor.

Specialty Windows *(draw here)*

☐ Bay
☐ Bow
☐ Other

Location



☐ SL – FX – SL
☐ CS – FX – CS

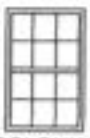
Configuration:

Location

Grille Styles



NO GRILL



COLONIAL



COLONIAL TOP SASH ONLY



DIAMOND



DIAMOND TOP SASH ONLY

☐ Match existing configuration (ie.vertical only)

WINDOW COLOR SELECTION:

Note: Colors vary per manufacturer

☒ **WHITE**

☐ **ALMOND/BEIGE**

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

☒ **All windows to be replaced in kind**

☐ **Exceptions noted in field indicated above**

Homeowner

Date

PHASE 4 PPN 830-208
LECHOWICZ
830-208 E OLD WILLOW RD

Rev. 8/20

DOOR SCHEDULE

DOOR	W	H	EXIST. STORM	NEW PRIME	NEW STORM	NEW PATIO DOOR	NEW SL STORM	HARDWARE	DETAIL	REMARKS
A	95	80	NO	NO	NO	YES	YES	STANDARD	24	SLIDING GLASS DOOR.

Notes:

CHICAGO EXECUTIVE AIRPORT RESIDENTIAL SOUND INSULATION PROGRAM

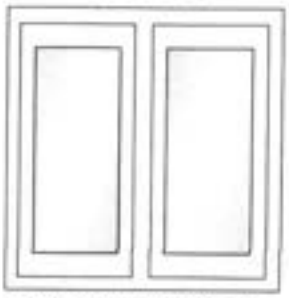
	Phase: **4**	PPN: **830-208**
Address: **830-208 E Old Willow Road**	C&S COMPANIES®	**QuieterHome® Program**
Town: **Prospect Heights**		

PPN# 830-208

QUIETERHOME PROGRAM

Sliding-Atrium-French Prime & Storm Style Selections

SLD 1



Sliding Glass Door

Door A

Location

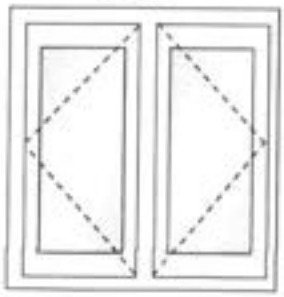
AD1



Atrium Door

Location

FD1

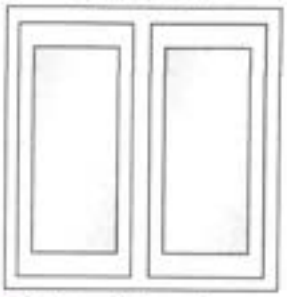


French Door

Location

Note: French Doors shall use storm door style S1 x 2
Atrium Doors shall have storm door style S1 and a stationery fixed storm panel

SL SD 1

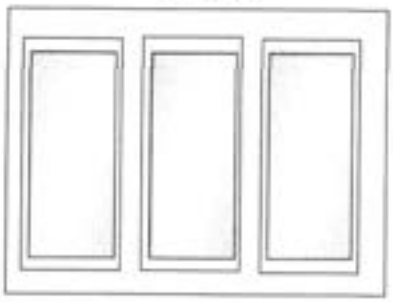


Sliding Storm Door

Door A

Location

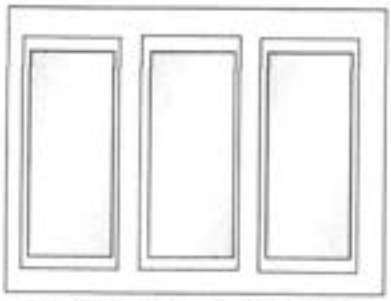
SLD 2



3 Panel Sliding Glass Door

Location

SL SD 2



3 Panel Sliding Storm Door

Location

Note: Sliding Glass Doors & French Doors shall have clad exterior. Wood interior shall be stained/ painted to match existing.
Sliding storm doors shall be aluminum. Colors may vary per manufacturer.

COLOR SELECTION	
SLIDING GLASS DOORS & FRENCH/ATRIUM DOORS EXTERIOR	SLIDING STORM DOOR
☒ WHITE	☒ WHITE
☐ ALMOND/BEIGE	☐ ALMOND/BEIGE

I have reviewed the Style, Finish and Color selections on this sheet and understand these to be final.

Homeowner Date

PHASE 4 PPN 830-208
LECHOWICZ
830-208 E OLD WILLOW RD

Rev. 03/26

April 10, 2026

C&S Companies
204 Industrial Lane
Wheeling, Illinois 60090

JMS Environmental Associates, Ltd.
816 Burr Oak Drive Westmont, Illinois 60559
Phone: (630) 655-8500 Fax: (630) 655-8724
jmsenviro.com

Attn: Ms. Penny Merritt

JMS Project: J-27308

RE: Limited Asbestos & Lead Inspections
830-208 Lechowicz
830-208 E. Old Willow
Wheeling, Illinois 60090

Dear Ms. Merritt:

Attached you will find the asbestos and lead reports that JMS Environmental Associates, Ltd. (JMS) had performed for C&S Companies at 830-208 E. Old Willow, Wheeling, Illinois 60090.

The findings of the attached reports showed two (2) samples were analyzed for asbestos content with no samples found to contain asbestos >1% asbestos.

Fourteen (14) shots were taken for lead and no locations detected lead.

If you have any further questions, do not hesitate to contact me at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

Joseph M. Sterner
Environmental Director/ President

C&S COMPANIES®

FIGURE 1

PHASE IV HOMEOWNER MAP

Legend

- 65 DNL - 2027 NOISE LEVELS
- PWK RSIP Phase IV Parcels

N

1,000 500 0 1,000 Feet

PWK Sound Insulation Program

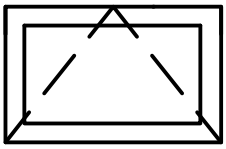
Sources: . Created by C&S Engineers, Inc.

SOUND INSULATION PROGRAM DETAIL INDEX

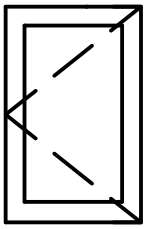
0	Window Styles	
1.1	Fixed Window Reglazing (Jamb)	
2.1	Window Pocket Replacement (Head & Sill, Jamb)	Sheet 1&2
2.1A	Window Pocket Replacement in Drywall Returns (Head & Sill)	
2.2	Window Pocket Replacement in Brick Faced Wall (Head & Sill, Jamb)	Sheet 1&2
3.1	Window Replacement in Rough Opening (Head & Sill, Jamb)	Sheet 1&2
3.1	Window Replacement in Wood and Brick Faced Wall (Head & Sill)	Sheet 3
4.1	Window Enlargment in Wood Framed Wall (Head & Sill)	
4.2	Window Enlargment in CMU Wall (Brick & Stone SIM.)(Head & Sill)	Sheet 1
4.2	Window Enlargement in Brick Faced Wall (CMU & Stone SIM.)(Elevation)	Sheet 2
5.4	Interior Storm Window	Sheet 1
5.4	Interior Storm For Fixed Window	Sheet 2
5.5	Exterior Storm For Fixed Window	
6.4	Skylight Interior Storm Window Installation	
8	Glass Block Window	
9	Bay Window Installation (Bow Window SIM.)(Head and Sill)	Sheet 1
9	Bay Window Installation (Bow Window SIM.)(Jams, Mullion and Leg Support)	Sheet 2
10	Combination Window	
20	Exterior Prime and Storm Door Unit Replacement (Head & Sill, Jamb)	Sheet 1&2
21	Interior Door Leaf Installation (Head & Sill, Jamb)	Sheet 1&2
22	Interior Door Leaf Enlargement (Jamb)	
22.1	Interior Door Leaf Enlargement in Wood Framed Wall	
23	Exterior Storm Door Installation (Head & Sill, Jamb)	Sheet1&2
24	Exterior Storm Door Installation (Head, Jamb & Sill)	Sheet 1
24	Exterior Patio Door Installation (Jamb)	Sheet 2
30.2	Kneewall Detail	
30.3	Attic Access Panel	Sheet 1
30.3	New Attic Access Panel	Sheet 2
30.3	Installation of Pull-Down Stairs	Sheet 3
30.3	Installation of Pull-down Stairs (Garage)	Sheet 4
30.3	Pull-down Stair Cover	Sheet 5
32.1	Mail Slot Sealing	
32.2	Interior Mail Baffle Box	
34	Ceiling Sheetrock and Trim	
35	Typical Bollard	
36.1	Whole House Fan Cover	
37.1	Gable Vent Detail	
37.2	Soffit Vent Section	
38.1	Structural Lintel Schedule	
50	Existing Furnace Demolition	
52	New 90% Efficiency Furnace Installation (80% SIM.)	Sheet 1
52	New Furnace in Closet Installation	Sheet 2
60.1	Blending Ventilator (BV)	
60.2	Energy Recovery Ventilator (ERV)	Sheet 1
60.2	ERV Intigration with Forced Air System	Sheet 2
61	Exhaust Fan Installation	
62.1	New Duct Enclosure at Existing Corner Walls	Sheet 1
62.1	New Duct Enclosure at Existing Ceiling	Sheet 2
62.1	Beam Duct Enclosure	Sheet 3
63.2	Outside Air Intake	
70	New Condensor Unit Installation	

SOUND INSULATION PROGRAM DETAIL INDEX

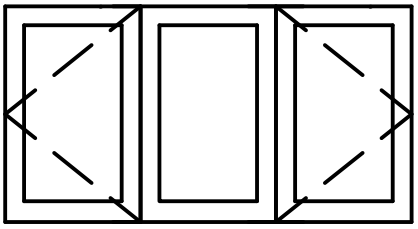
71	HVAC Unit Attic Installation	
84	Transite Stack Structural Support	Sheet 1
84	Transite Stack Structural Support Notes	Sheet 2
90	Service Mast	
91	Overhead Service	
92	Typical Electrical Connection for Mechanical Equipment	



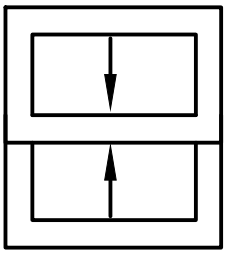
AWNING
(AWN)



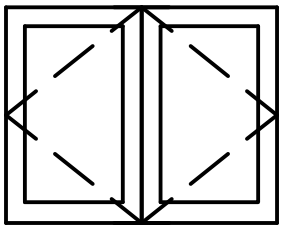
CASEMENT
(CS)



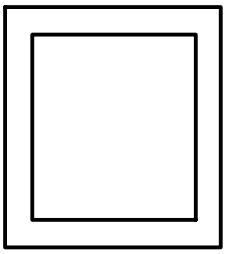
CASEMENT-FIXED-CASEMENT
(1-2-1 CONFIGURATION
ALSO AVAILABLE)
(CS-FX-CS)



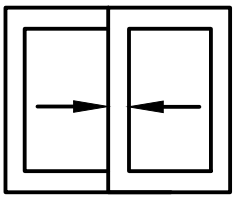
DOUBLE HUNG
(DH)



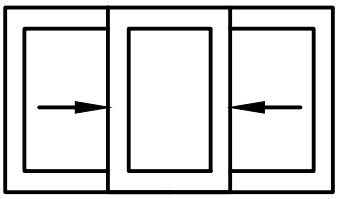
DOUBLE CASEMENT
(CS-CS)



FIXED
(FX)



HORIZONTAL SLIDING
(SL)



SLIDER-FIXED-SLIDER
(1-2-1 CONFIGURATION
ALSO AVAILABLE)
(SL-FX-SL)

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RESIDENTIAL SOUND INSULATION PROGRAM

WINDOW STYLES

Scale : NOT TO SCALE

Date : JULY 2026

Drawn by: BBB Checked by: WMH

DETAIL SHEET
0

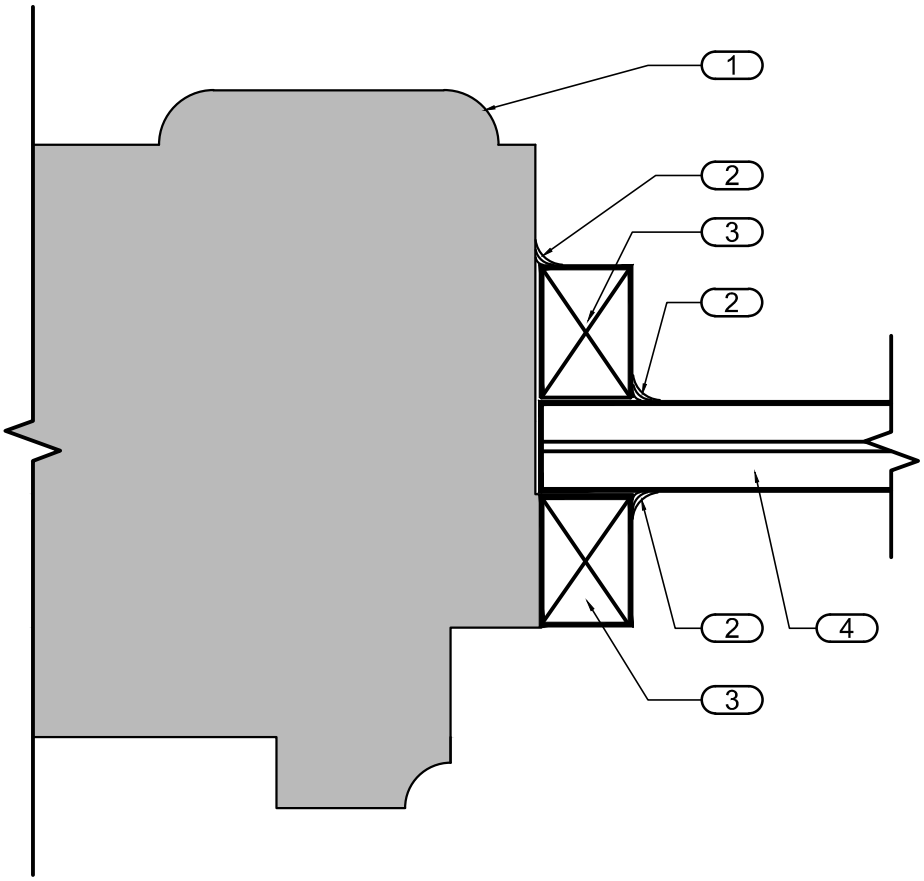
Feb 07, 2020 – 3:56pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\0- WINDOW TYPES.dwg

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KEY NOTES:

1. EXISTING WOOD TRIM/CASING TO REMAIN. MODIFY AS REQUIRED FOR INSTALLATION (TYP.)
2. NEW CONTINUOUS SEALANT
3. NEW WOOD STOP TO MATCH AS REQUIRED
4. NEW 1/2" INSULATED GLASS

INTERIOR



EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

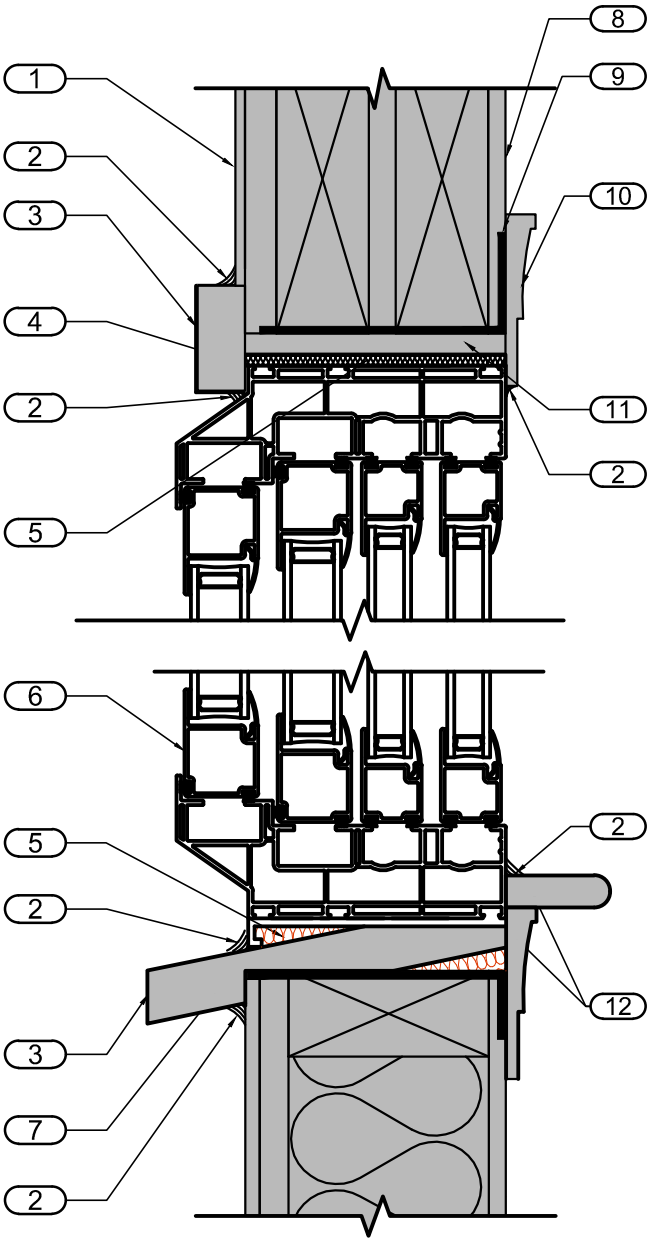
FIXED WINDOW REGLAZING (JAMB)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 1.1

Feb 07, 2020 – 3:57pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\1.1 – FIXED WINDOW DIRECT REGLAZING WITH NEW STOPS.dwg

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KEY NOTES:

1. EXTERIOR SIDING (CUT BACK IF NEEDED)
2. NEW CONTINUOUS SEALANT
3. NEW BRAKE METAL
4. EXTERIOR TRIM TO REMAIN
5. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
6. NEW WINDOW
7. WOOD SILL
8. INTERIOR FINISH
9. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
10. REMOVE AND REINSTALL INTERIOR TRIM
11. FRAME
12. INTERIOR TRIM TO REMAIN

GENERAL NOTES:

- SEE DETAIL 9 FOR DRYWALL RETURN CONDITION.
- SEE DETAILS 7 & 8 FOR EXTERIOR BRICK VENEER CONDITION.
- SEE DETAIL 3 FOR JAMB CONDITION.
- REMOVE AND REINSTALL AWNINGS, SHUTTERS, MARBLE/SOLID SURFACE SILLS WHEN NOTED ON WINDOW SCHEDULE.

EXISTING CONSTRUCTION

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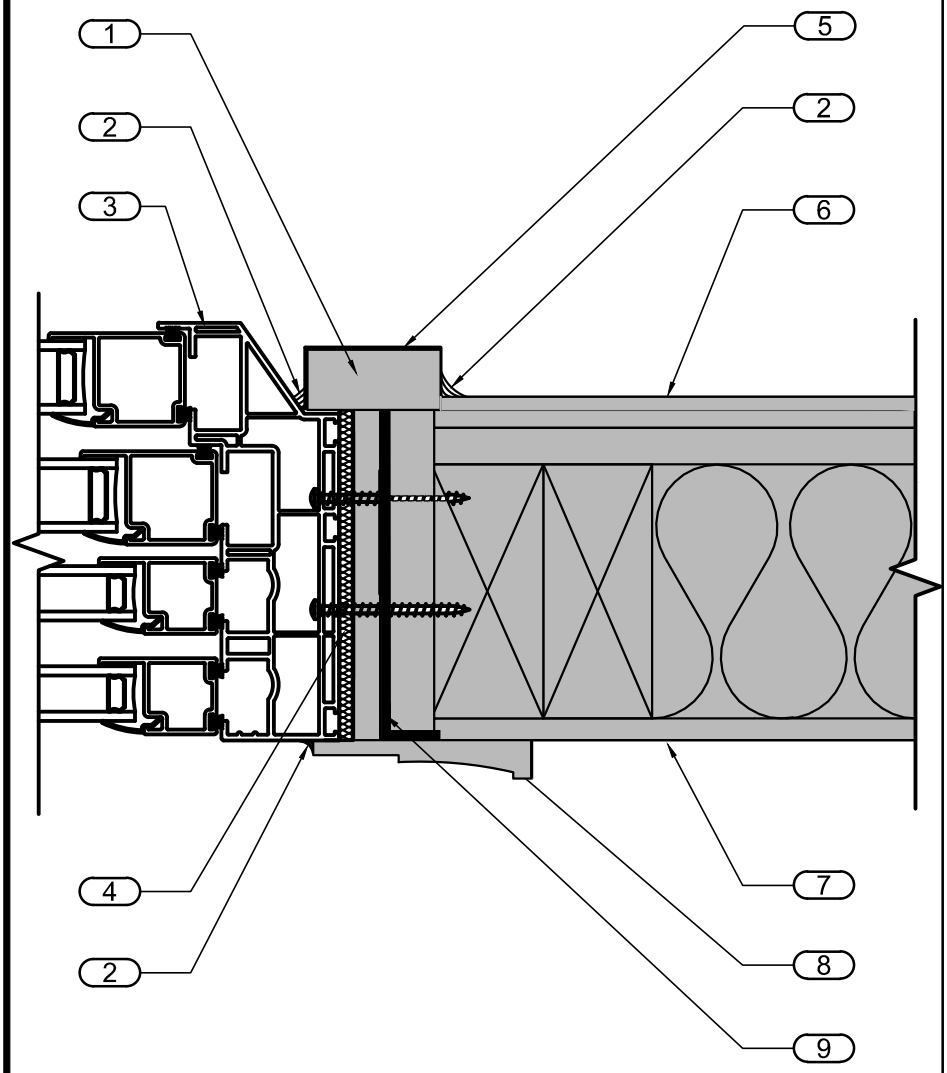
RESIDENTIAL SOUND INSULATION PROGRAM

WINDOW POCKET REPLACEMENT (HEAD & SILL)

Scale : NOT TO SCALE			DETAIL SHEET 2.1
Date : JULY 2026			
Drawn by: BBB	Checked by: WMH		SHEET 1

Feb 07, 2020 – 3:57pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\2.1– WINDOW POCKET REPLACEMENT (HEAD & SILL) Sheet 1.dwg

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KEY NOTES:

1. EXTERIOR TRIM TO REMAIN
2. NEW CONTINUOUS SEALANT
3. NEW WINDOW
4. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
5. NEW BRAKE METAL
6. EXTERIOR SIDING (CUT BACK IF NEEDED)
7. INTERIOR FINISH
8. REMOVE AND REINSTALL INTERIOR TRIM
9. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

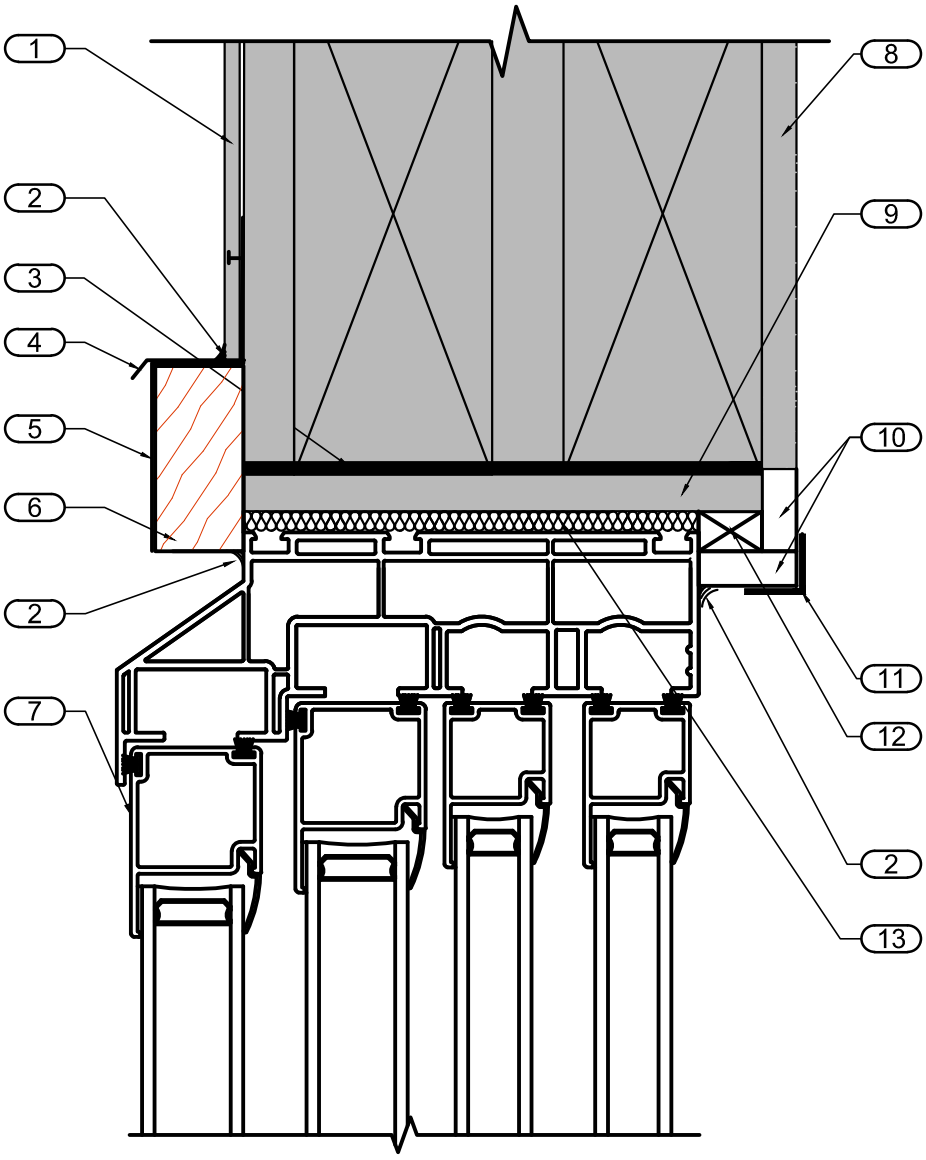
WINDOW POCKET REPLACEMENT (JAMB)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 2.1 SHEET 2

Feb 07, 2020 – 3:57pm
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KEY NOTES:

1. SIDING
2. NEW CONTINUOUS SEALANT
3. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
4. NEW FLASHING WITH DRIP EDGE
5. NEW BRAKE METAL
6. NEW WOOD TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
7. NEW WINDOW
8. EXISTING GWB
9. EXISTING BUCK FRAME
10. NEW DRYWALL RETURN, PATCH AS NECESSARY TO MATCH EXISTING (TYP.)
11. NEW CORNER BEAD
12. NEW BLOCKING AS REQUIRED
13. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS

EXISTING CONSTRUCTION

C&S COMPANIES®

RESIDENTIAL SOUND INSULATION PROGRAM

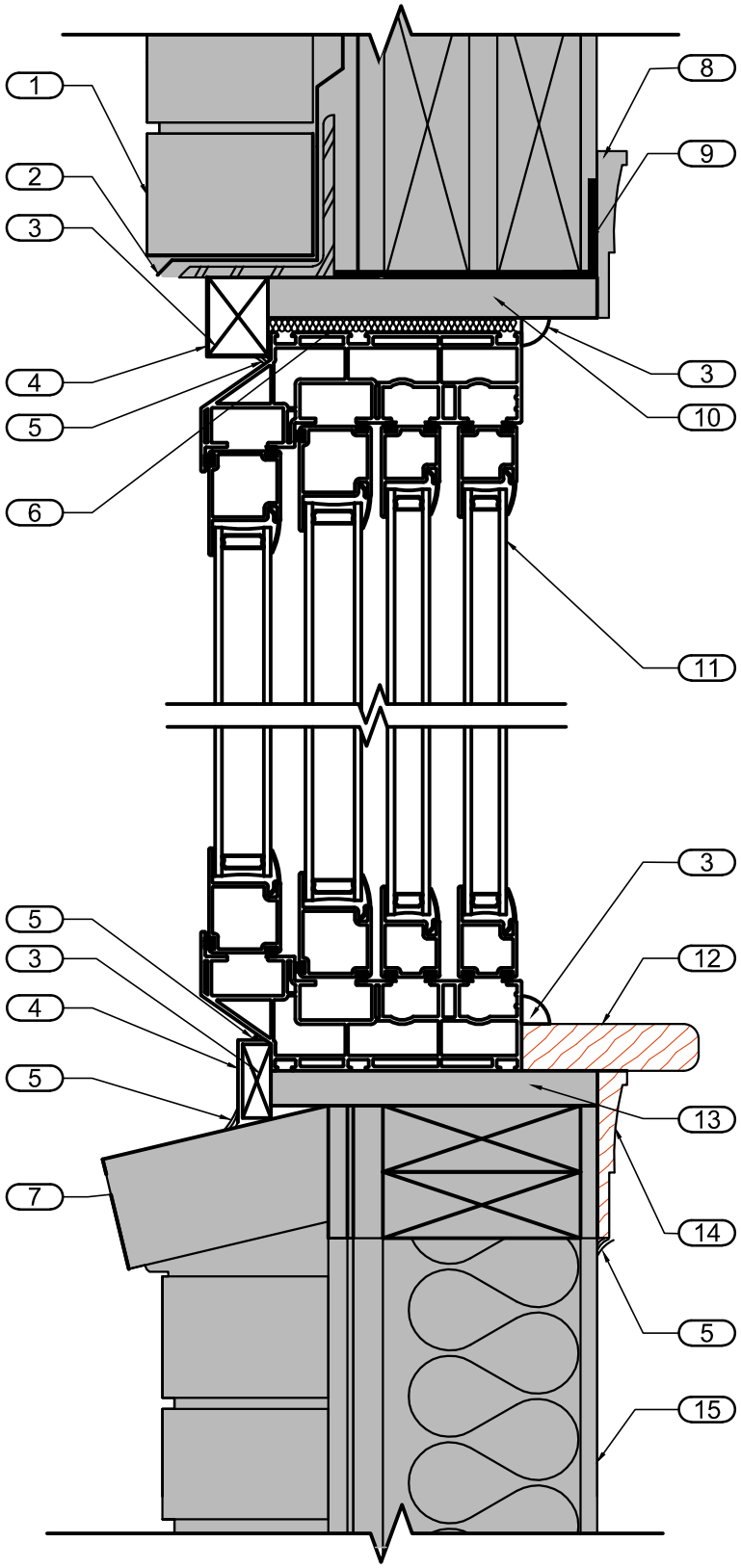
WINDOW POCKET REPLACEMENT IN DRYWALL RETURNS (HEAD & SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET **2.1A**

Feb 07, 2020 – 3:57pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\2.1A – WINDOW POCKET REPLACEMENT IN DRYWALL RETURNS (HEAD & SILL) Sheet 1.dwg

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KEY NOTES:

1. BRICK WALL EXTERIOR
2. FLASHING
3. NEW HARDWOOD STOP AS REQUIRED
4. NEW BRAKE METAL
5. NEW CONTINUOUS SEALANT
6. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
7. EXISTING SILL TO REMAIN
8. INTERIOR TRIM TO REMAIN
9. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
10. EXISTING BUCK FRAME
11. NEW WINDOW
12. EXISTING OR NEW SILL TO MATCH AS REQUIRED
13. EXISTING OR NEW BUCK FRAME AS REQUIRED
14. NEW OR EXISTING WOOD TRIM TO MATCH AS REQUIRED
15. EXISTING GWB

GENERAL NOTES:

- SEE DETAIL SHEET #8 FOR JAMB CONDITION.

EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

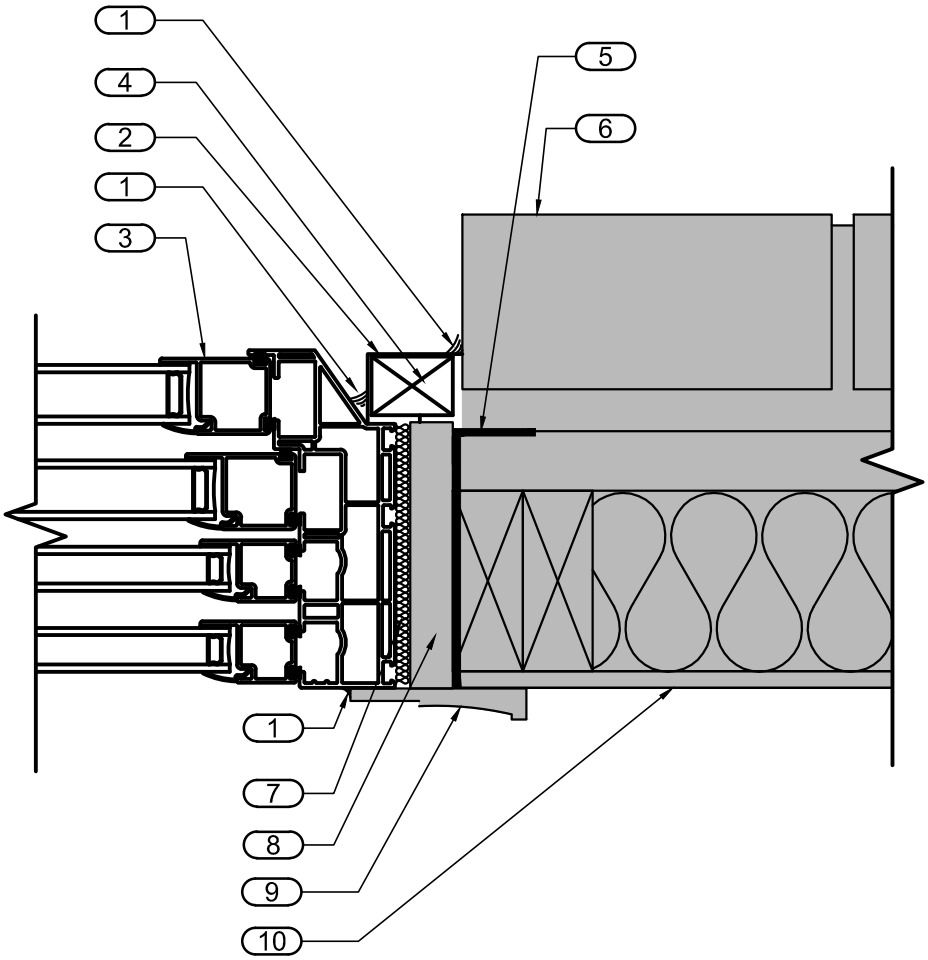
WINDOW POCKET REPLACEMENT IN BRICK FACED WALL (HEAD & SILL)

Scale : NOT TO SCALE			DETAIL SHEET 2.2
Date : JULY 2026			
Drawn by: BBB	Checked by: WMH		SHEET 1

C&S COMPANIES®

Feb 07, 2020 – 3:57pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\2.2 – WINDOW POCKET REPLACEMENT IN BRICK FACED WALL (HEAD AND SILL) Sheet 1.dwg

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KEY NOTES:

1. NEW CONTINUOUS SEALANT
2. NEW BRAKE METAL
3. NEW WINDOW
4. NEW HARDWOOD STOP AS REQUIRED
5. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
6. BRICK EXTERIOR
7. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
8. EXISTING BUCK FRAME
9. INTERIOR TRIM TO REMAIN
10. INTERIOR FINISH

GENERAL NOTES:

- SEE DETAIL SHEET 7 FOR HEAD AND SILL CONDITION.

EXISTING CONSTRUCTION

C&S COMPANIES®

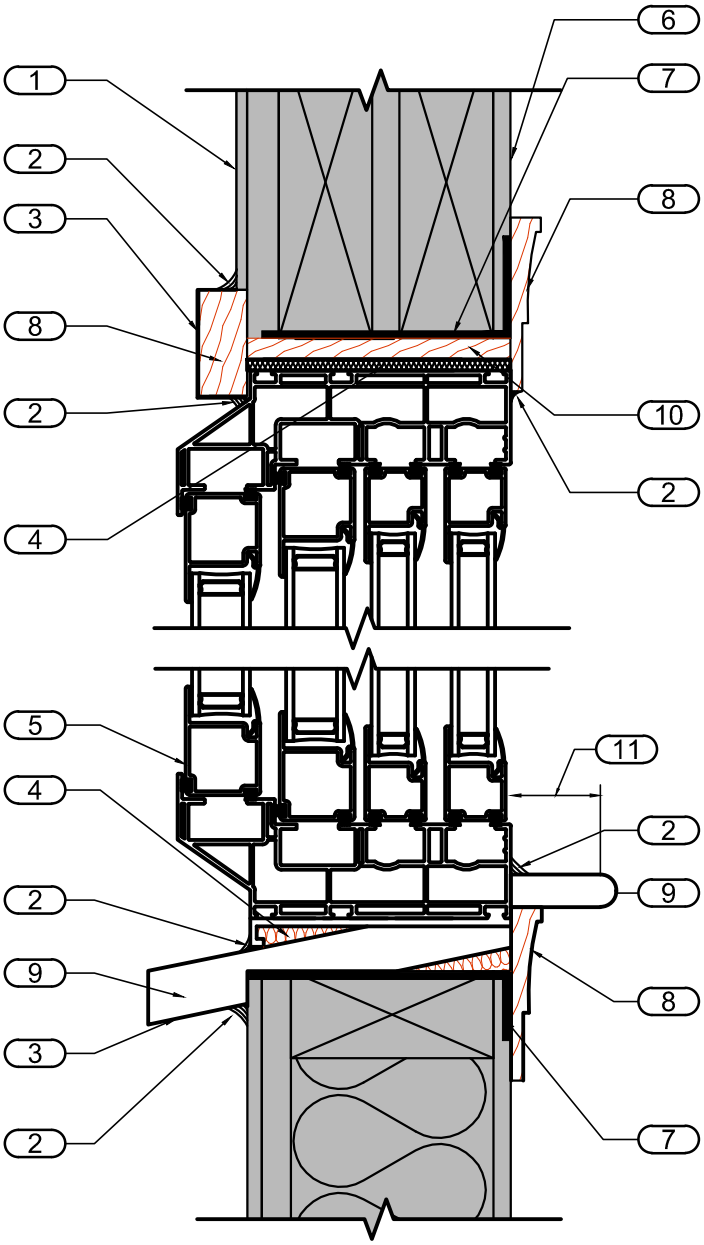
RESIDENTIAL SOUND INSULATION PROGRAM

WINDOW POCKET REPLACEMENT IN BRICK FACED WALL (JAMB)

Scale : NOT TO SCALE			DETAIL SHEET 2.2
Date : JULY 2026			
Drawn by: BBB	Checked by: WMH		SHEET 2

Feb 07, 2020 – 3:57pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\2.2 – WINDOW POCKET REPLACEMENT IN BRICK FACED WALL (JAMB) Sheet 2.dwg

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KEY NOTES:

1. EXTERIOR SIDING (CUT BACK IF NEEDED)
2. NEW CONTINUOUS SEALANT
3. NEW BRAKE METAL
4. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
5. NEW WINDOW
6. INTERIOR FINISH
7. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
8. NEW WOOD TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
9. NEW SILL AS REQUIRED
10. NEW BUCK FRAME
11. COORDINATE DIMENSION WITH HOMEOWNER AND ENGINEER

GENERAL NOTES:

- REFERENCE DETAIL 9 FOR DRYWALL CONDITIONS.
- SEE DETAIL 5 FOR JAMB CONDITION.
- REMOVE AND REINSTALL AWNINGS, SHUTTERS, MARBLE/SOLID SURFACE SILL WHEN NOTED ON WINDOW SCHEDULE.

EXISTING CONSTRUCTION

C&S COMPANIES®

RESIDENTIAL SOUND INSULATION PROGRAM

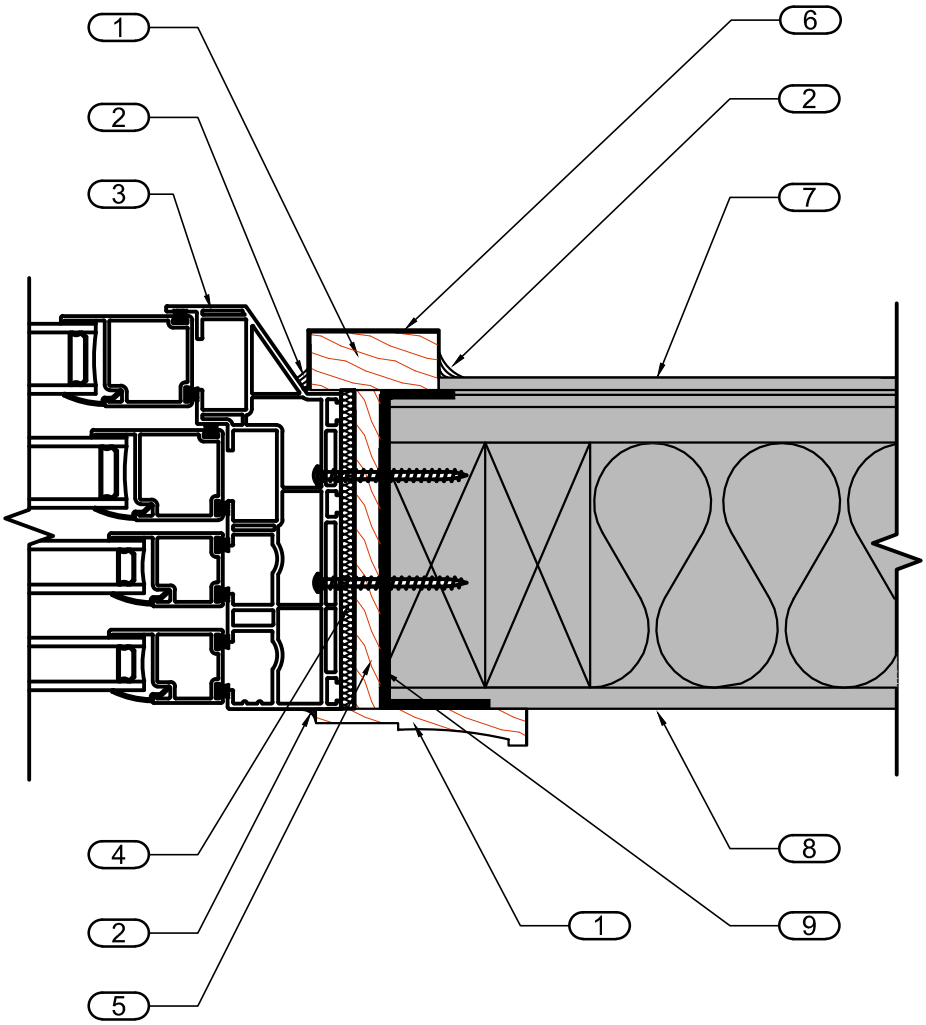
WINDOW REPLACEMENT IN ROUGH OPENING (HEAD & SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 3.1 SHEET 1

Feb 07, 2020 – 3:57pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\3.1– WINDOW REPLACEMENT ROUGH (HEAD & SILL) Sheet 1.dwg

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KEY NOTES:

1. NEW WOOD TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
2. NEW CONTINUOUS SEALANT
3. NEW WINDOW
4. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
5. NEW BUCK FRAME
6. NEW BRAKE METAL
7. EXTERIOR SIDING (CUT BACK IN NEEDED)
8. INTERIOR FINISH
9. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE

GENERAL NOTES:

- SEE DETAIL 4 FOR HEAD AND SILL CONDITION.
- SEE DETAIL 7A AND 7B FOR HEAD AND SILL BRICK FACED WALL.
- SEE DETAIL 8 FOR JAMB BRICK FACED WALL.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

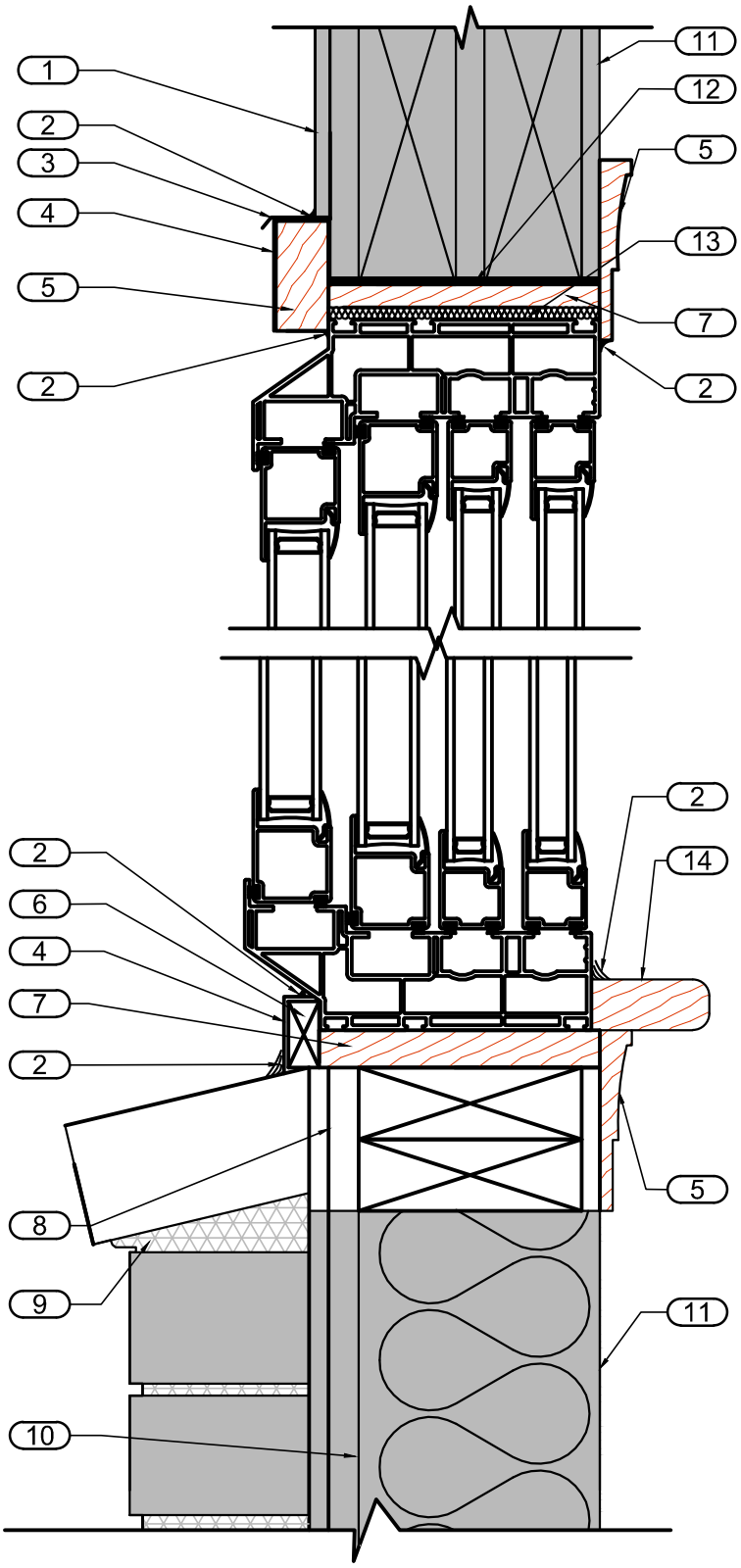
WINDOW REPLACEMENT IN ROUGH OPENING (JAMB)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 3.1 SHEET 2

Feb 07, 2020 – 3:57pm
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KEY NOTES:

1. EXTERIOR SIDING (CUT BACK IF NEEDED)
2. NEW CONTINUOUS SEALANT
3. NEW FLASHING WITH DRIP EDGE
4. NEW BRAKE METAL
5. NEW WOOD TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
6. NEW HARDWOOD STOP AS REQUIRED
7. EXISTING OR NEW BUCK FRAME AS REQUIRED
8. VAPOR BARRIER
9. LOWER BRICK SILL TO NATURAL GROUT LINE
10. SHEATHING
11. EXISTING GWB
12. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
13. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
14. EXISTING OR NEW SILL TO MATCH AS REQUIRED

GENERAL NOTES:

- SEE DETAIL 8 FOR JAMB & 7 FOR HEADER IN BRICK FACED WALL CONDITION.
- SEE DETAIL 6A AND 6B FOR WINDOW ENLARGEMENT.
- SEE DETAIL 7B FOR WINDOW ENLARGEMENT IN BRICK FACED WALL ELEVATION.

EXISTING CONSTRUCTION

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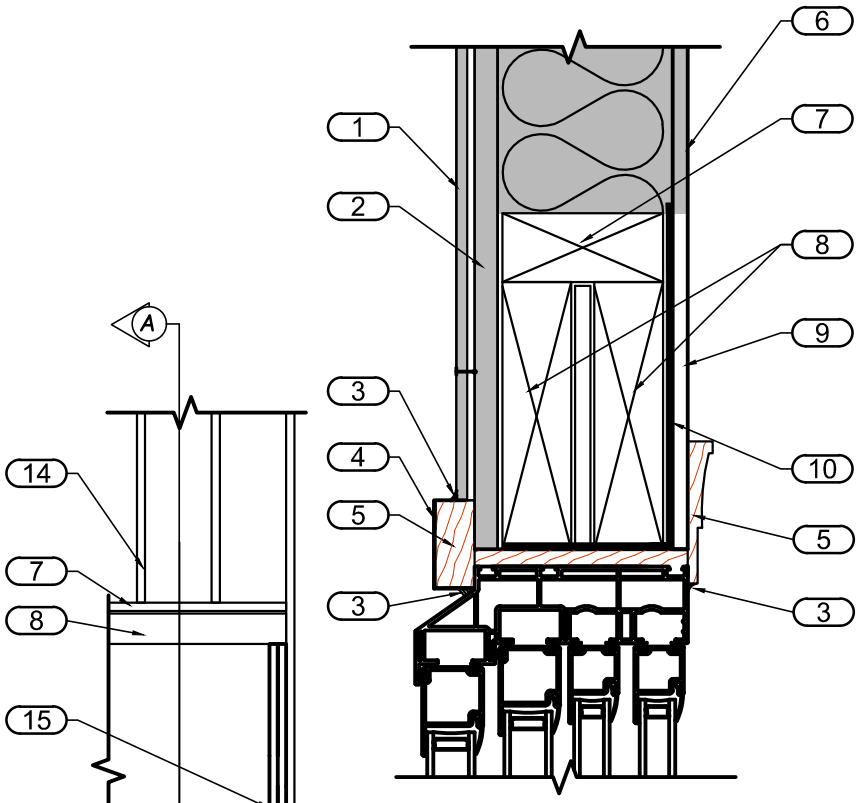
RESIDENTIAL SOUND INSULATION PROGRAM

WINDOW REPLACEMENT IN WOOD AND BRICK FACED WALL (HEAD & SILL)

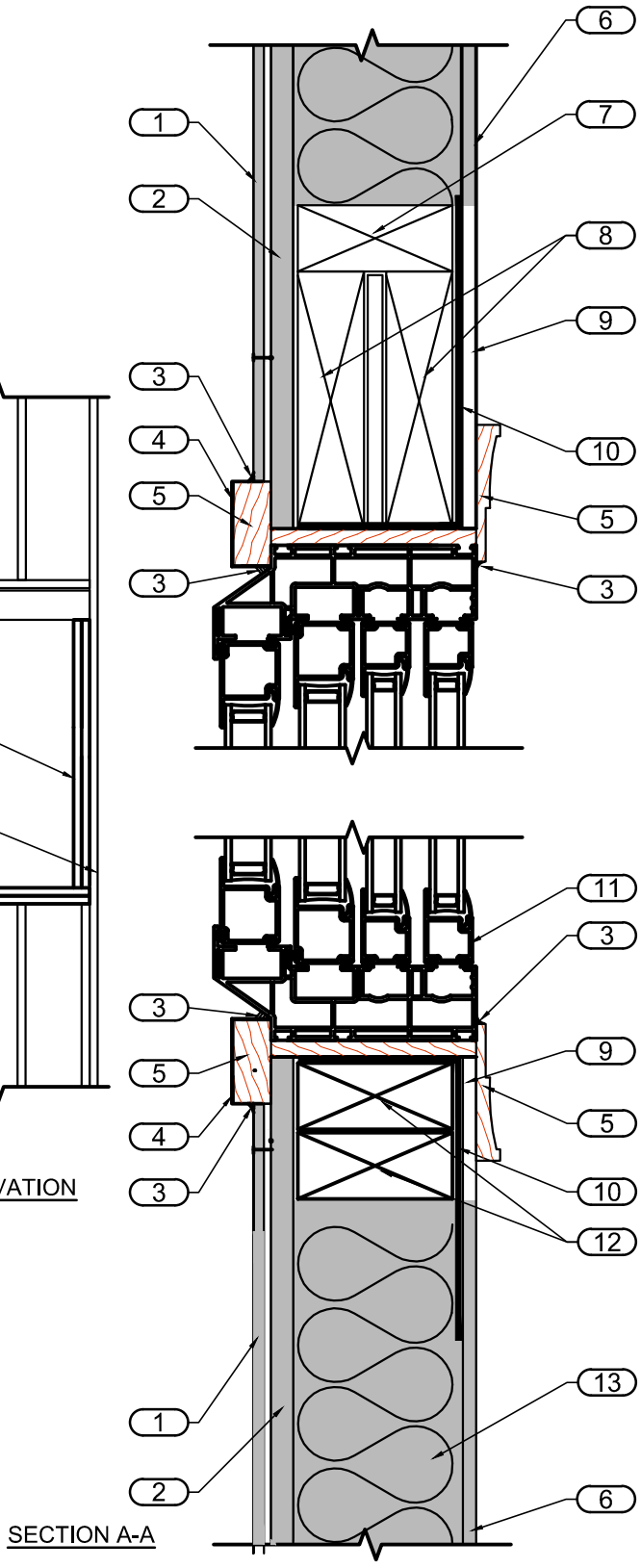
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Date : JULY 2026			3.1
Drawn by: BBB	Checked by: WMH		SHEET 3

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ELEVATION



SECTION A-A

KEY NOTES:

1. EXTERIOR SIDING (CUT BACK IF NEEDED)
2. SHEATHING
3. NEW CONTINUOUS SEALANT
4. NEW BRAKE METAL
5. NEW WOOD TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
6. INTERIOR FINISH
7. NEW 2X4 OR 2X6 PLATE
8. NEW 2X10 HEADER WITH 1/2" PLYWOOD IN CENTER
9. NEW INTERIOR WALL MATERIAL AND FINISH TO MATCH EXISTING
10. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
11. NEW WINDOW
12. NEW DOUBLE 2X4 OR 2X6 SILL (SINGLE ALLOWED IF WINDOW ROUGH OPENING IS LESS THAN 24" WIDE)
13. EXISTING 2X4 WOOD STUD FRAMING AT 16" OR 24" O.C.
14. NEW 2X4 WOOD STUD FRAMING AT 16" OR 24" O.C. AS REQUIRED
15. DOUBLE 2X4 OR 2X6 JACKSTUDS
16. 2X4 OR 2X6 KING STUD (TYP.)

GENERAL NOTES:

SECTION A:

- FOR WIDTH ENLARGEMENTS WITH BRICK SIDING , SEE DETAIL 6B FOR BRICK CONSTRUCTION AT HEAD.
- FOR WIDTH ENLARGEMENTS WITH STONE SIDING, SEE DETAIL 6C FOR STONE CONSTRUCTION AT HEAD.

ELEVATION:

- ELEVATION DETAIL APPLIES TO WIDTH ENLARGEMENTS.
- PROVIDE NEW MARBLE/SOLID SURFACE SILL WHEN NOTED ON WINDOW SCHEDULE.

EXISTING CONSTRUCTION

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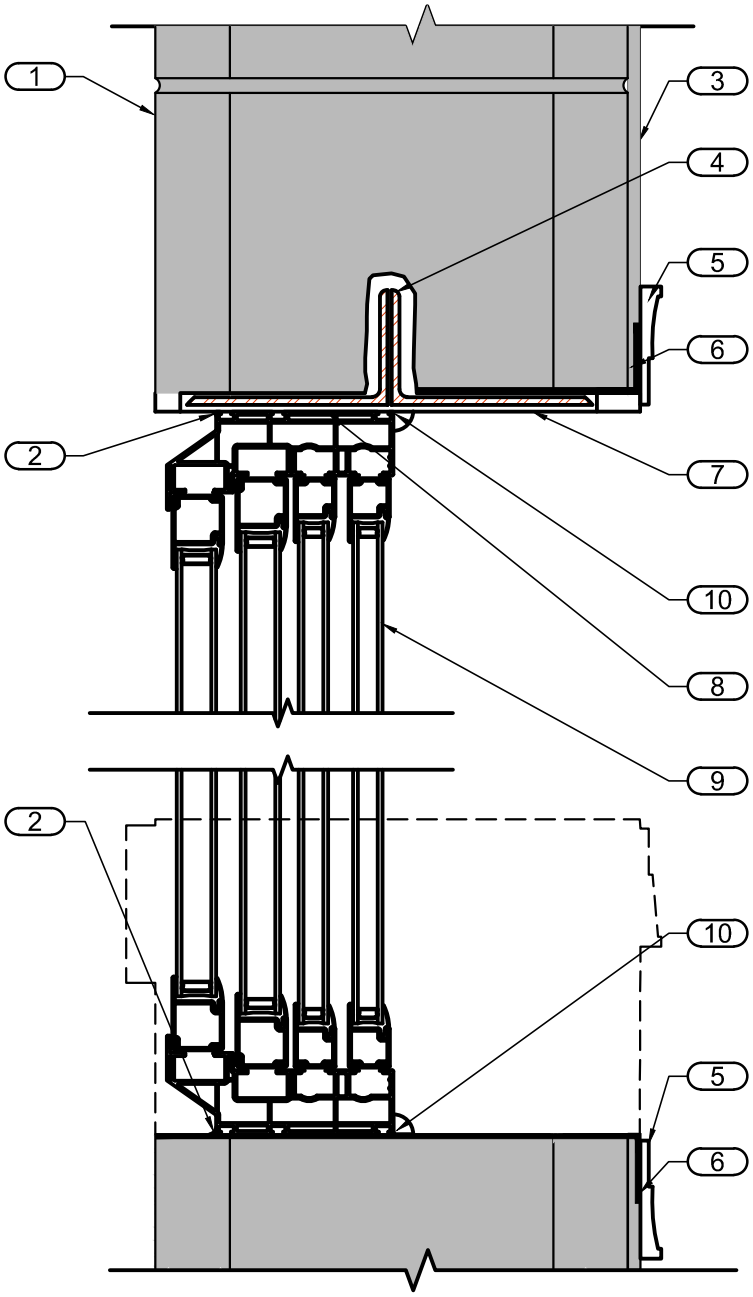
WINDOW ENLARGEMENT IN WOOD FRAMED WALL (HEAD & SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 4.1

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KEY NOTES:

1. CMU WALL EXTERIOR
2. NEW CONTINUOUS SEALANT
3. INTERIOR FINISH
4. NEW LINTEL. SEE DETAIL 6E FOR LINTEL SIZING
5. NEW WOOD TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
6. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
7. REPAIR AND RESTORE TO MATCH EXISTING INTERIOR CONDITION
8. INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
9. NEW WINDOW
10. 10. NEW HARDWOOD STOP AS REQUIRED

GENERAL NOTES:

- SEE DETAIL 6B FOR BRICK SIDING CONDITION.
- SEE DETAIL 6C FOR STONE SIDING CONDITION.
- DETAIL APPLIES TO SILL AND JAMB CONDITIONS.
- PROVIDE MOISTURE RETARDANT MATERIALS BETWEEN ALL WOOD AND CMU SURFACES.
- REMOVE AND REINSTALL MARBLE/SOLID SURFACE SILL WHEN NOTED ON WINDOW SCHEDULE.

EXISTING CONSTRUCTION

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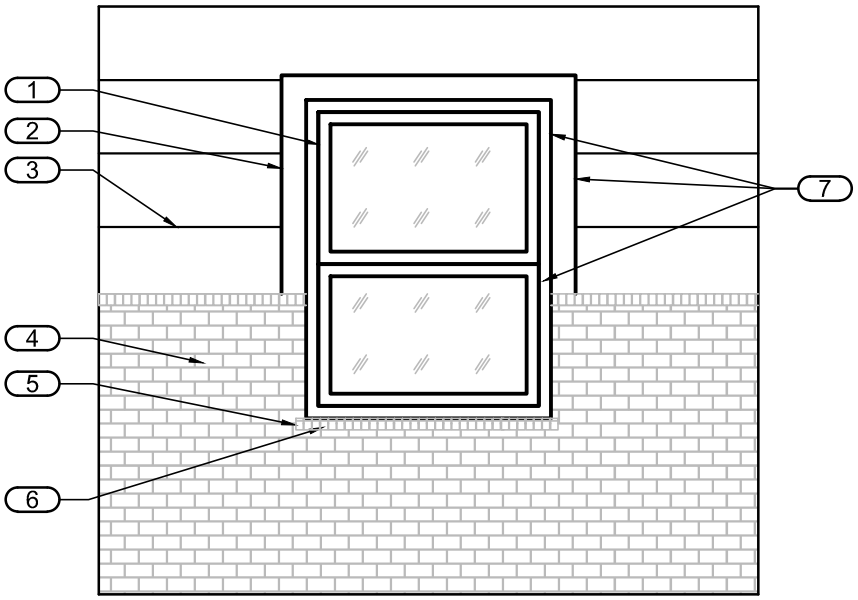
RESIDENTIAL SOUND INSULATION PROGRAM

WINDOW ENLARGEMENT IN CMU WALL
(BRICK & STONE SIM.)
(HEAD & SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET
4.2
SHEET 1

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KEY NOTES:

1. NEW WINDOW
2. NEW BRAKE METAL
3. EXTERIOR SIDING
4. BRICK WALL EXTERIOR
5. NEW BRICK SILL
6. LOWER BRICK SILL TO NATURAL GROUT LINE
7. APPLY NEW SEALANT AROUND ALL JOINTS

GENERAL NOTES:

- SEE DETAIL 7A FOR HEAD AND SILL CONDITION.
- SEE DETAIL 8 FOR JAMB CONDITION.

EXISTING CONSTRUCTION

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WINDOW ENLARGEMENT IN BRICK FACED WALL (CMU & STONE SIM.) (ELEVATION)

Scale : NOT TO SCALE

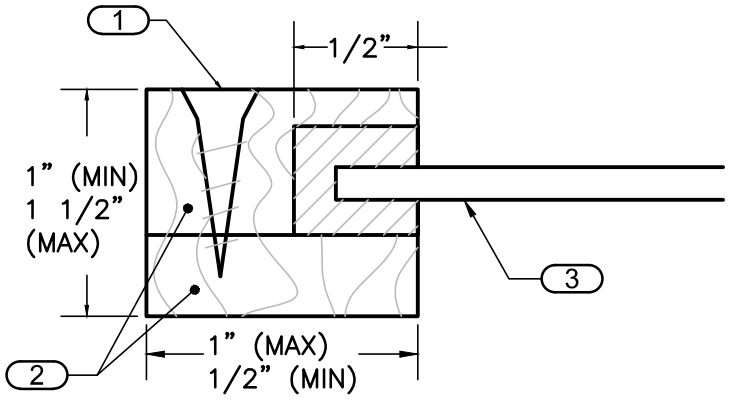
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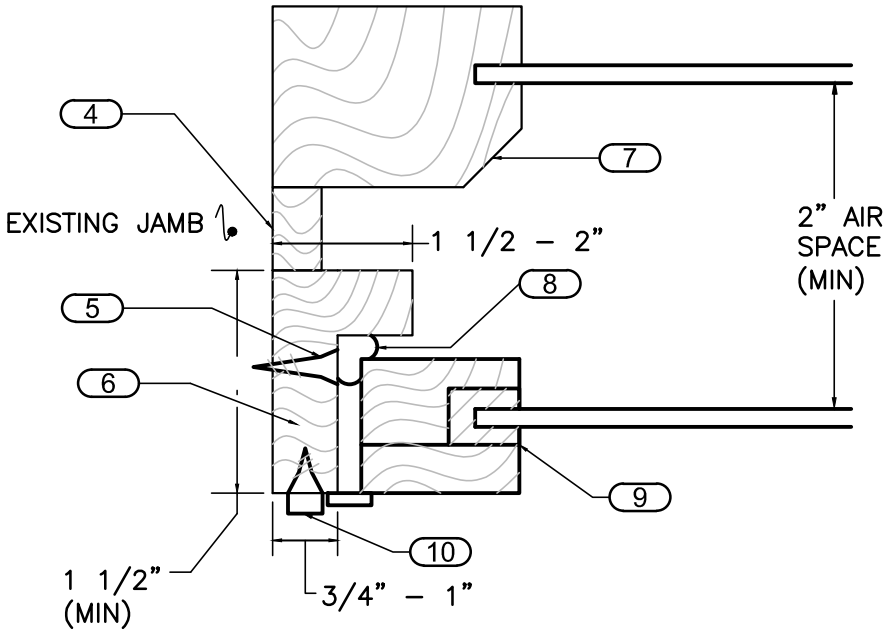
DETAIL SHEET 4.2 SHEET 2

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WOOD FRAMED STORM WINDOW



INSTALLATION

KEY NOTES:

1. SCREW 12" O.C. (MAX.)
2. CONTINUOUS HARDWOOD FRAME
3. 1 /4" LAMINATED GLASS SET IN CONTINUOUS ACOUSTICAL CAULK OR GLAZING COMPOUND.
4. EXISTING STOP TO REMAIN
5. SCREW 18" O.C. (MAX.)
6. 2X WOOD STOCK ROUTED TO MATCH DIMENSIONS SHOWN
7. EXISTING SASH
8. CONTINUOUS COMPRESSIBLE BULB WEATHERSTRIPPING FASTENED TO STOP
9. NEW STORM WINDOW AS SHOWN ABOVE
10. WING TYPE FASTENERS 18" O.C. (MAX.)

EXISTING CONSTRUCTION

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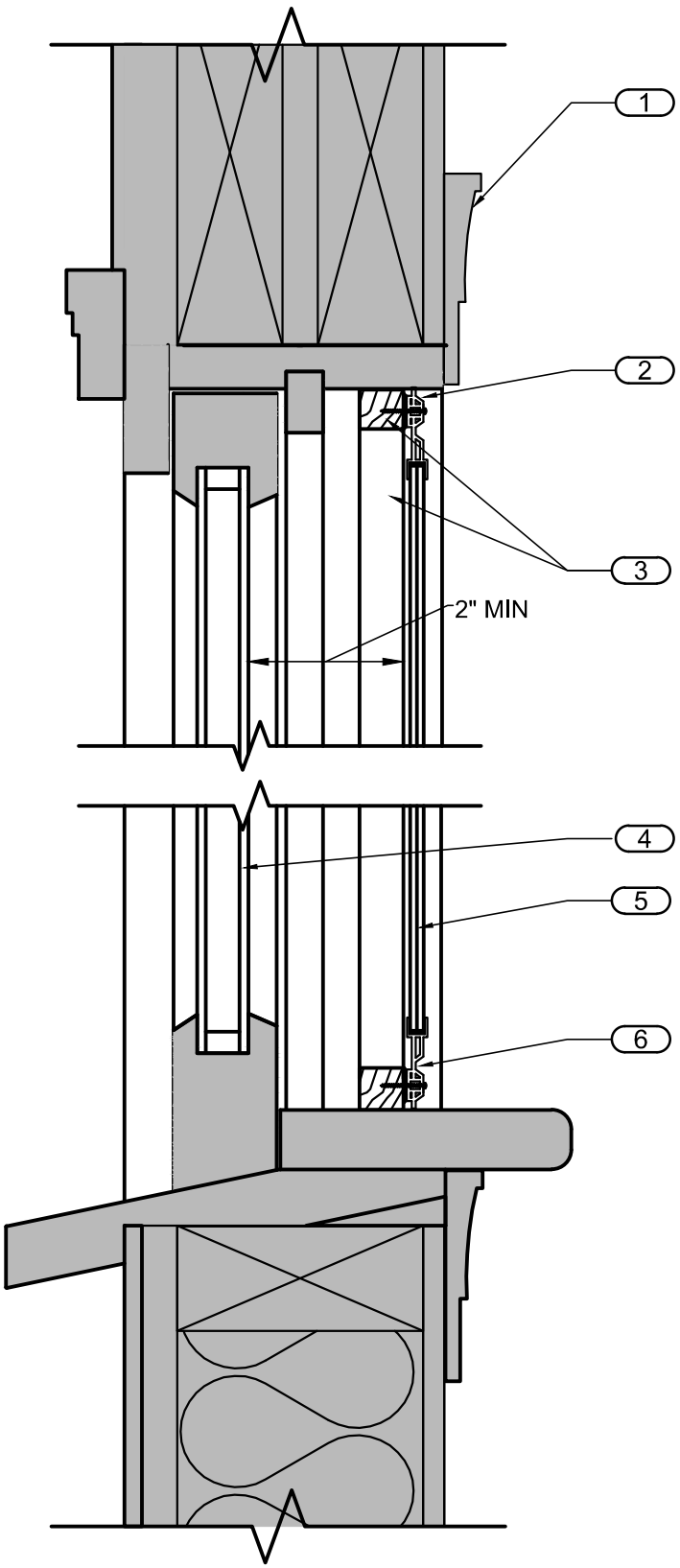
INTERIOR STORM WINDOW

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 5.4 SHEET 1

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KEY NOTES:

1. WOOD TRIM TO REMAIN
2. BACK-CAULK NEW ALUMINUM STORM WINDOW FRAME PRIOR TO WINDOW INSTALLATION EXCEPT AT WEEP LOCATIONS (TYP. AT TOP, SIDES, AND BOTTOM)
3. PROVIDE NEW HARDWOOD STOPS AS SHOWN AND REQUIRED FOR STORM WINDOW INSTALLATION
4. WINDOW TO REMAIN
5. NEW ALUMINUM STORM WINDOW AS SPECIFIED AND AS SCHEDULED
6. PROVIDE 1/4"W x 1/8" H SAW CUT WEEPS AT 12" O.C. AT TOP AND BOTTOM STOPS (TYP. FOR PERIMETER)

GENERAL NOTES:

- ACOUSTICAL STORM WINDOW CONNECTION CONDITIONS MAY VARY. ALTERNATIVE INSTALLATIONS SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

EXISTING CONSTRUCTION

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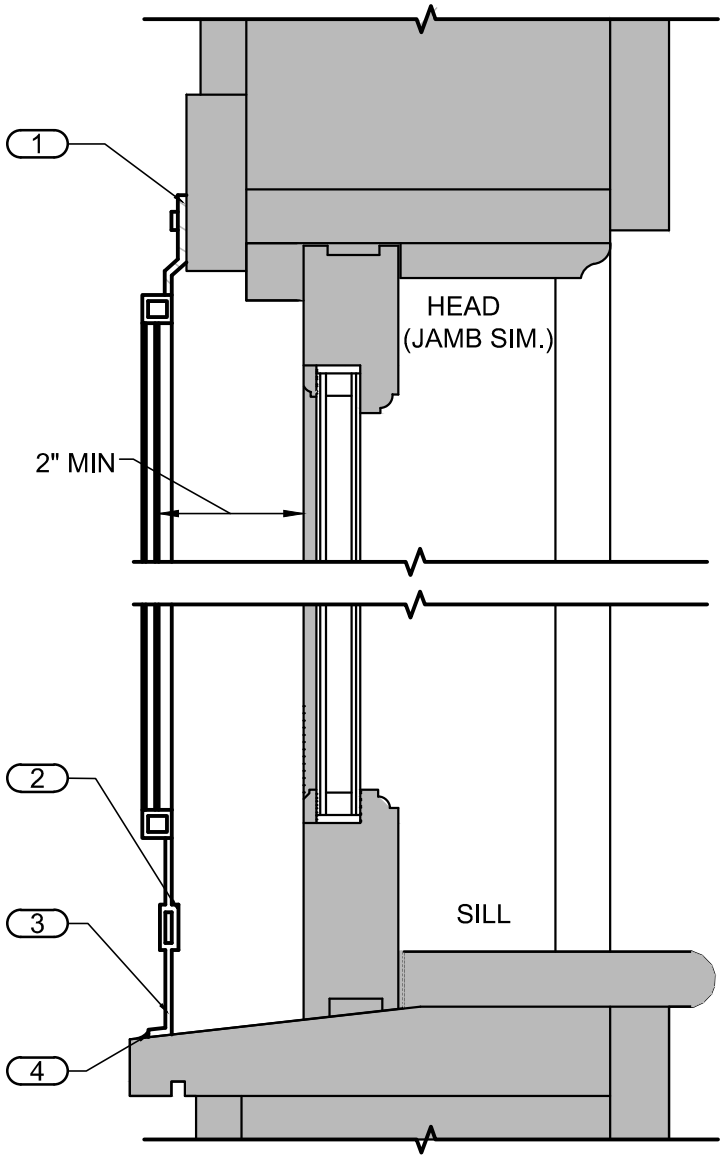
RESIDENTIAL SOUND INSULATION PROGRAM

INTERIOR STORM FOR FIXED WINDOW

Scale : NOT TO SCALE			DETAIL SHEET
Date : JULY 2026			5.4
Drawn by: BBB	Checked by: WMH		SHEET 2

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KEY NOTES:

1. SET STORM FRAME IN CONTINUOUS SEALANT AT HEAD AND JAMB
2. NEW FIXED REMOVABLE STORM WINDOW (SEE NOTE 2)
3. FACTORY INSTALLED WEEP
4. NEW CONTINUOUS SEALANT

GENERAL NOTES:

- ACOUSTICAL STORM WINDOW CONNECTION TO HEAD/JAMBS/SILL MAY DIFFER DUE TO FIELD CONDITIONS. DEPICTION IS AN EXAMPLE. ALTERNATIVES SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
- STORM WINDOW DEPICTED IS FIXED REMOVABLE. PROVIDE OPERABLE STORM WINDOW TO MATCH STYLE OF PRIME WINDOW FOR DH AND SL WINDOWS.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

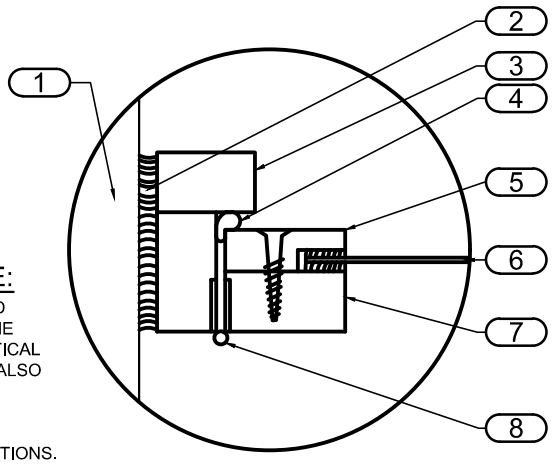
EXTERIOR STORM FOR FIXED WINDOW

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Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 5.5

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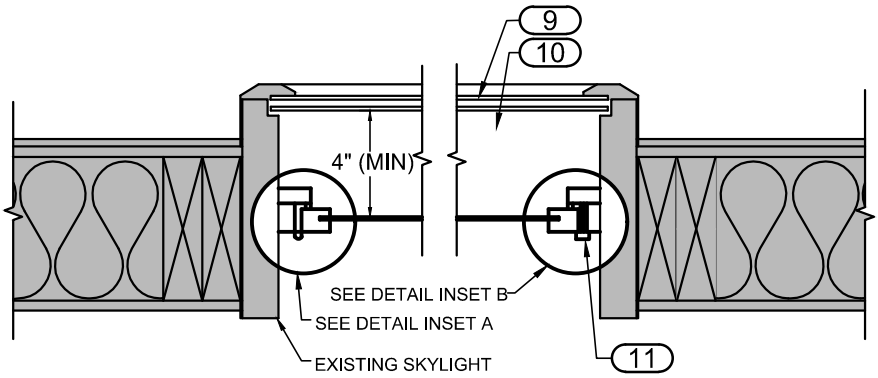
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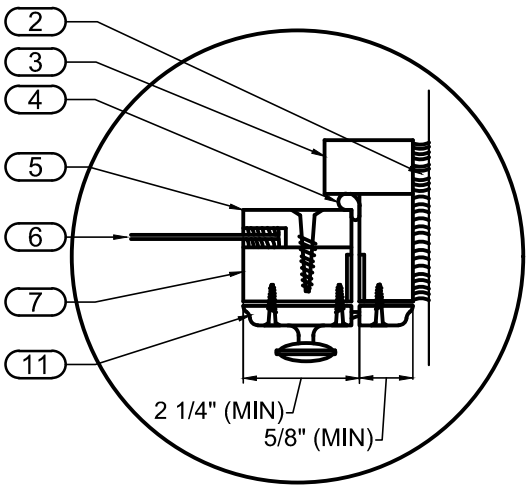


DETAIL INSET A

DETAIL A NOTE:

DETAIL DEPICTS WOOD STORM WINDOW FRAME APPLICATION. ACOUSTICAL STORM WINDOW MAY ALSO BE CONSTRUCTED OF EXTRUDED ALUMINUM AS SPECIFIED IN TECHNICAL SPECIFICATIONS. ALSO SEE WINDOW SCHEDULE.





DETAIL INSET B

KEY NOTES:

1. ANCHOR FRAME TO EXISTING STRUCTURE OR PROVIDE NEW BLOCKING AS NECESSARY TO SUPPORT NEW INSTALLATION
2. NEW SEALANT
3. 3/4" HARDWOOD STOP
4. CONTINUOUS COMPRESSIBLE BULB WEATHER-STRIPPING (TYP. ALL SIDES)
5. 1/2" HARDWOOD STOPS, SCREW MIN. 12" O.C.
6. 3/16" TEMPERED GLAZING SET IN NEW SEALANT
7. 3/4" HARDWOOD, FINISH TO MATCH EXISTING TRIM
8. CONTINUOUS PIANO HINGE, WHERE SKYLIGHTS ARE OPERABLE, PROVIDE HINGES WITH REMOVABLE PINS FOR REMOVAL OF UNIT.
9. EXISTING SKYLIGHT GLAZING
10. 4" OPTIMAL AIR SPACE
11. WING TYPE FASTENERS OR CUPBOARD CATCH BY IVES #540B OR APPROVED EQUAL.

GENERAL NOTES:

- INTERIOR FINISH SHALL BE PRIMED AND PAINTED PRIOR TO INSTALLATION OF TEMPERED GLAZING
- PANEL GLAZING SHALL NOT EXCEED 9 SQ. FT.
- SURFACE OF STORM FRAME SHALL BE RECESSED MIN. 1/4" FROM BOTTOM EDGE OF CEILING
- SECURELY MOUNT WINDOW INTO EXISTING SKYLIGHT FRAMING
- NEW SKYLIGHT WINDOW SHALL NOT INTERFERE WITH THE OPERATION OR CLEANING OF THE SKYLIGHT OR ANY SCREENS (IF APPLICABLE)

EXISTING CONSTRUCTION

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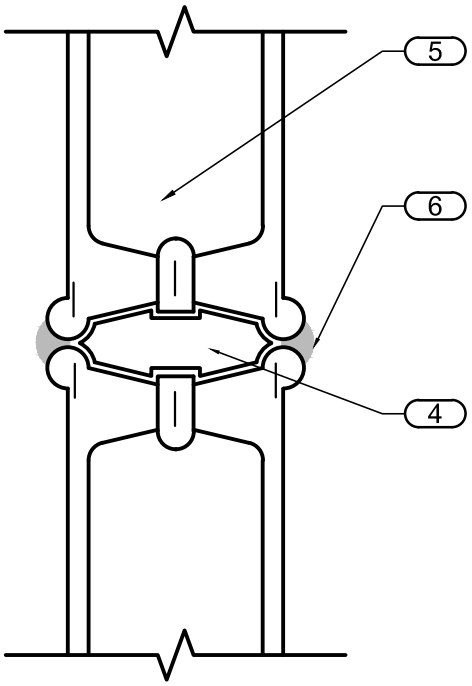
SKYLIGHT
INTERIOR STORM WINDOW
INSTALLATION

Scale :	NOT TO SCALE
Date :	JULY 2026
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DETAIL SHEET
6.4

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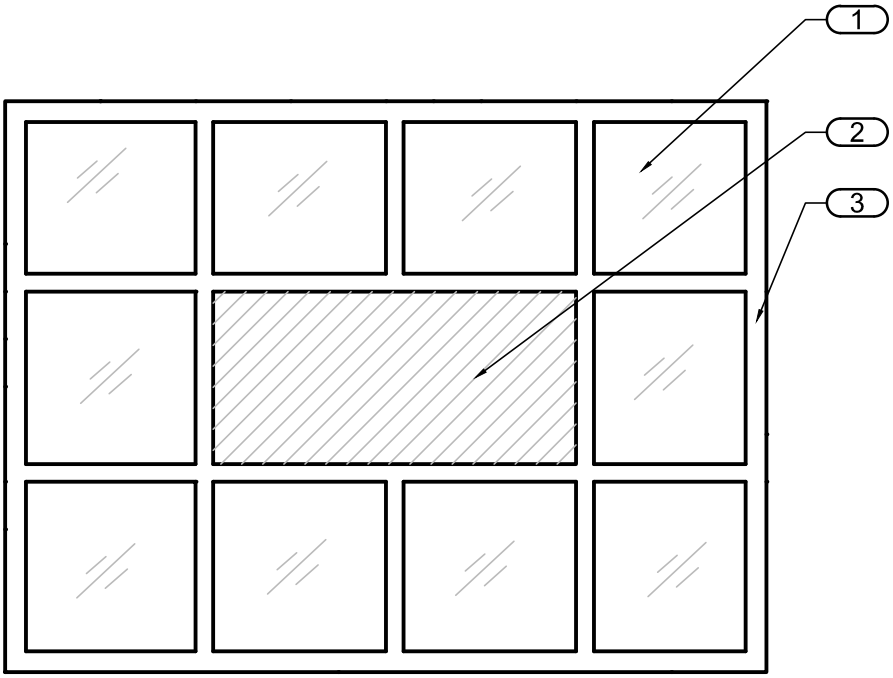
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RIGID TRACK SPACER
(HORIZONTAL & VERTICAL JOINTS)

KEY NOTES:

1. GLASSBLOCK (TYP.) SIZED AS REQUIRED TO FIT EXISTING CLEAR OPENING
2. OPERABLE VENT
3. PERIMETER CHANNEL MECHANICALLY FASTENED TO JAMB (TYP.)
4. RIGID TRACK SPACER SYSTEM (TYP.)
5. GLASS BLOCK
6. SILICONE SEALANT AS RECOMMENDED BY MANUFACTURER (TYP.)



GENERAL NOTES:

- TOOL SEALANT SMOOTH AFTER APPLICATION.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

GLASS BLOCK WINDOW

Scale : NOT TO SCALE

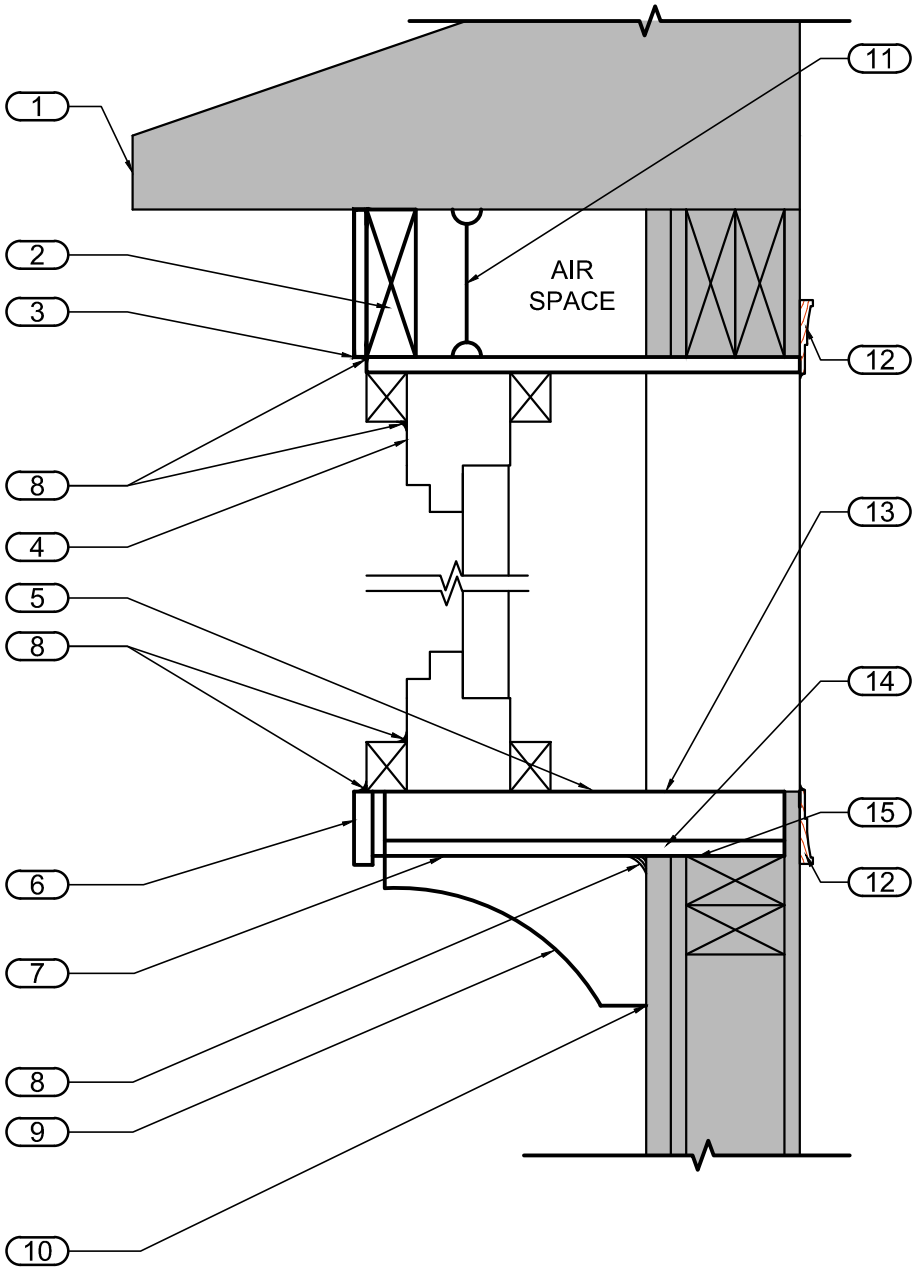
Date : JULY 2026

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DETAIL SHEET 8

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KEY NOTES:

1. ROOFLINE
2. BLOCKING AS REQUIRED
3. 1/2" CDX PLYWOOD WRAPPED IN BREAK METAL
4. NEW BAY WINDOW OR COMPONENTS AS SCHEDULED
5. PROVIDE VENEER IN SPECIES AS REQUIRED TO MATCH EXISTING CONDITIONS AND FINISHES (HEAD & JAMBS SIM.)
6. NEW MATERIAL TO MATCH EXISTING (TYP.)
7. MECHANICALLY FASTEN SUPPORT TO PLATFORM
8. NEW CONTINUOUS SEALANT
9. SUPPORT PER DETAIL 6H
10. MECHANICALLY FASTEN SUPPORT TO EXTERIOR WALL. CUT SUPPORT AND/OR MODIFY SIDING TO ENSURE FLUSH CONNECTION. APPLY CONTINUOUS SEALANT AS REQUIRED.
11. MANUFACTURER'S CABLE SUPPORT.
12. NEW INTERIOR TRIM TO MATCH. EXISTING CONDITIONS AND FINISHES (TYP.)
13. NEW SILL. FINISH TO MATCH SURROUNDING TRIM.
14. 5/8" PLYWOOD PLATFORM. FINISH TO MATCH SURROUNDING TRIM WHERE EXPOSED.
15. MECHANICALLY FASTEN PLATFORM TO SILL.

GENERAL NOTES:

- DETAIL IS INTENDED TO COMPLIMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S SUPPORT INSTRUCTIONS, AND SHALL COORDINATE APPLICATION DEPICTED ABOVE WITH ENGINEER.
- CONTRACTOR SHALL USE ALTERNATE SUPPORT TYPE AS REQUIRED TO MATCH EXISTING CONDITIONS AND FINISHES.
- SEE DETAIL 6H FOR ASSOCIATED JAMB, MULLIONS, & LEG SUPPORT.

EXISTING CONSTRUCTION

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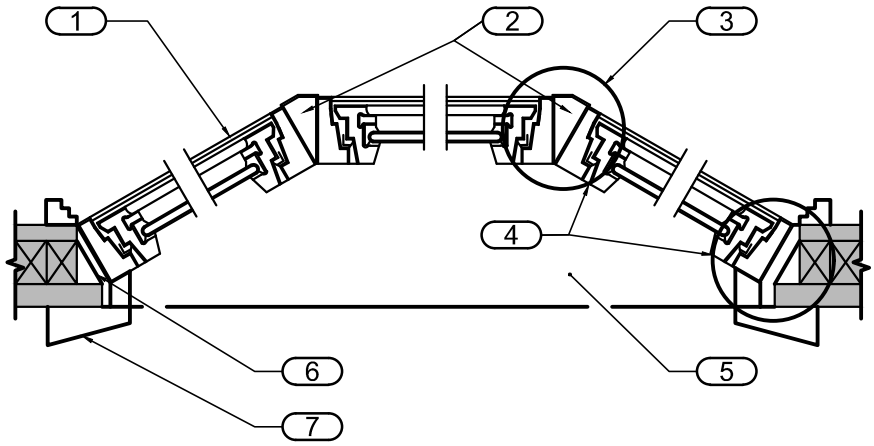
BAY WINDOW INSTALLATION
(BOW WINDOW SIM.)(HEAD AND SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 9
SHEET 1

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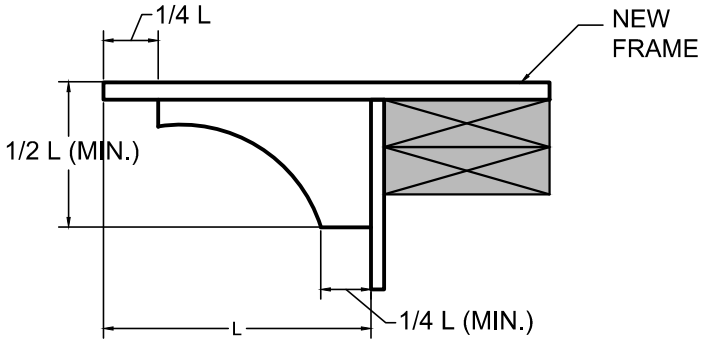


KEY NOTES:

1. BAY WINDOW PANEL/SECTIONS TO BE REPLACED INDIVIDUALLY WITH ACOUSTIC WINDOWS (ONLY AS SCHEDULED)
2. REMOVE EXISTING MULLIONS AND REPLACE WITH NEW TO ACCOMMODATE NEW REPLACEMENT WINDOWS AS REQUIRED. PROVIDE TEMPORARY SUPPORT TO OPENING THROUGHOUT REPLACEMENT (ONLY AS SCHEDULED)
3. CUSTOM FIELD MANUFACTURE MULLIONS AS REQUIRED
4. TREATMENT OF JAMBS SIMILAR TO DETAIL 5 (TYP.)
5. NEW SILL WITH VENEER PER DETAIL 6G
6. NEW BUCK FRAME (TYP.)
7. NEW INTERIOR TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED (TYP.)

SUPPORT LEG SECTION

(BOTH SEGMENT AND UNIT REPLACEMENTS)



* LOCATE SUPPORT LEGS AT MULLIONS.

GENERAL NOTES:

- WINDOW ASSEMBLY TO PROJECT FROM EXTERIOR WALL SAME DIMENSION AS EXISTING.
- USE MANUFACTURER'S MULLING HARDWARE FOR SCHEDULED SEGMENT REPLACEMENT IF POSSIBLE.
- DETAIL AT JAMBS ALSO APPLIES TO BAY/BOW WINDOWS REPLACED AS ENTIRE UNITS.

EXISTING CONSTRUCTION

C&S COMPANIES®

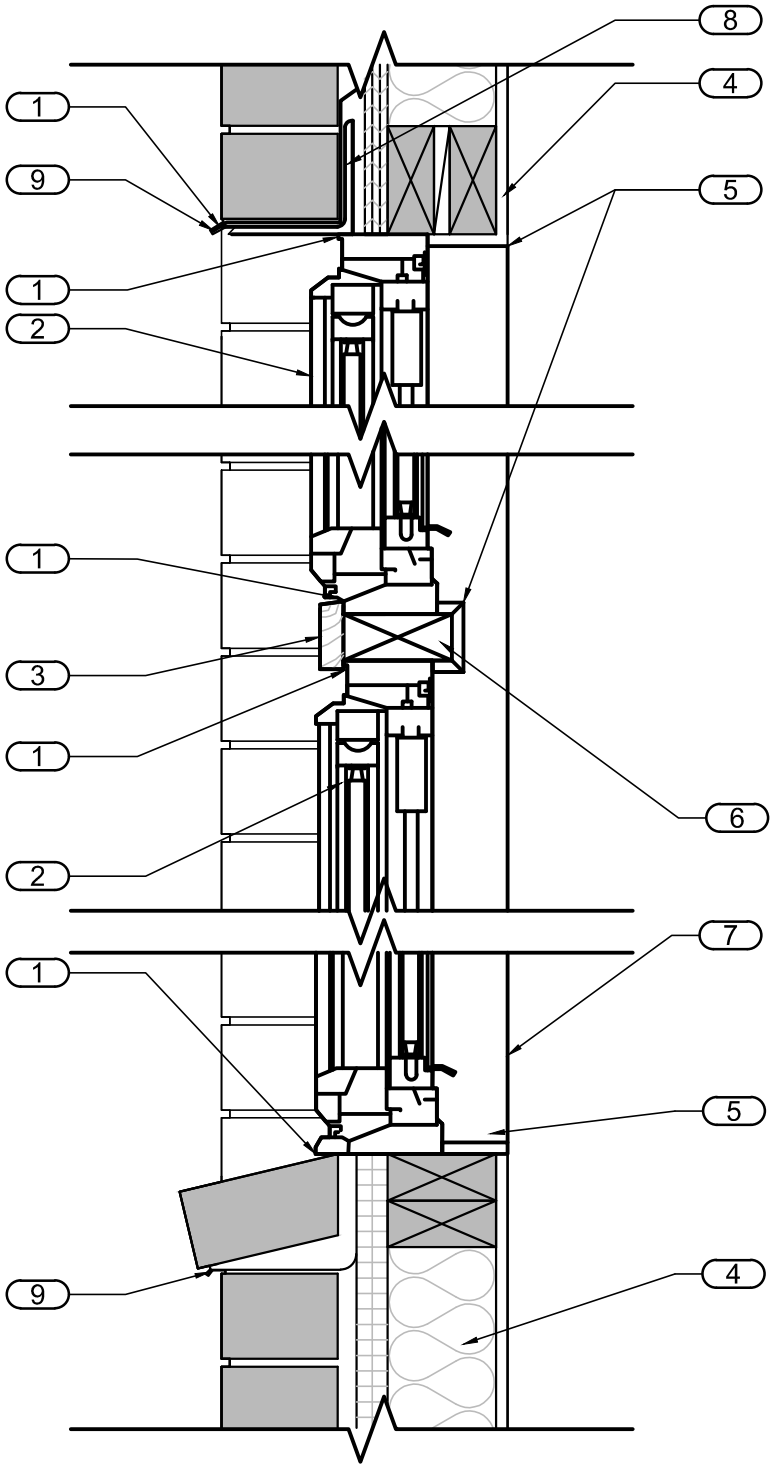
RESIDENTIAL SOUND INSULATION PROGRAM

BAY WINDOW INSTALLATION
(BOW WINDOW SIM.)
(JAMS, MULLION AND LEG SUPPORT)

Scale : NOT TO SCALE			DETAIL SHEET 9
Date : JULY 2026			
Drawn by: BBB	Checked by: WMH		SHEET 2

Feb 07, 2020 – 3:58pm
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KEY NOTES:

1. NEW CONTINUOUS SEALANT
2. NEW WINDOW
3. CLAD WOOD TRIM
4. EXISTING WALL CONSTRUCTION
5. NEW DRYWALL RETURN. FINISH TO MATCH EXISTING (TYP.)
6. NEW 1" X 4"
7. EXISTING DRYWALL RETURN BEYOND. PATCH AS NECESSARY TO MATCH EXISTING (TYP.)
8. NEW LINTEL. SEE DETAIL 6E FOR LINTEL SIZING
9. NEW FLASHING WITH DRIP EDGE

GENERAL NOTES:

- SEE DETAILS 2&3 AND RELATED DETAILS FOR GENERAL INSTALLATION GUIDELINES.
- CONTRACTOR MAY USE MANUFACTURER'S MULLING HARDWARE IN PLACE OF 1X4 MULLION IF APPROVED BY ENGINEER.
- SURROUNDING CONDITIONS AND MATERIALS DEPICTED IN DETAIL MAY DIFFER FROM FIELD CONDITIONS.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

COMBINATION WINDOW

Scale : NOT TO SCALE

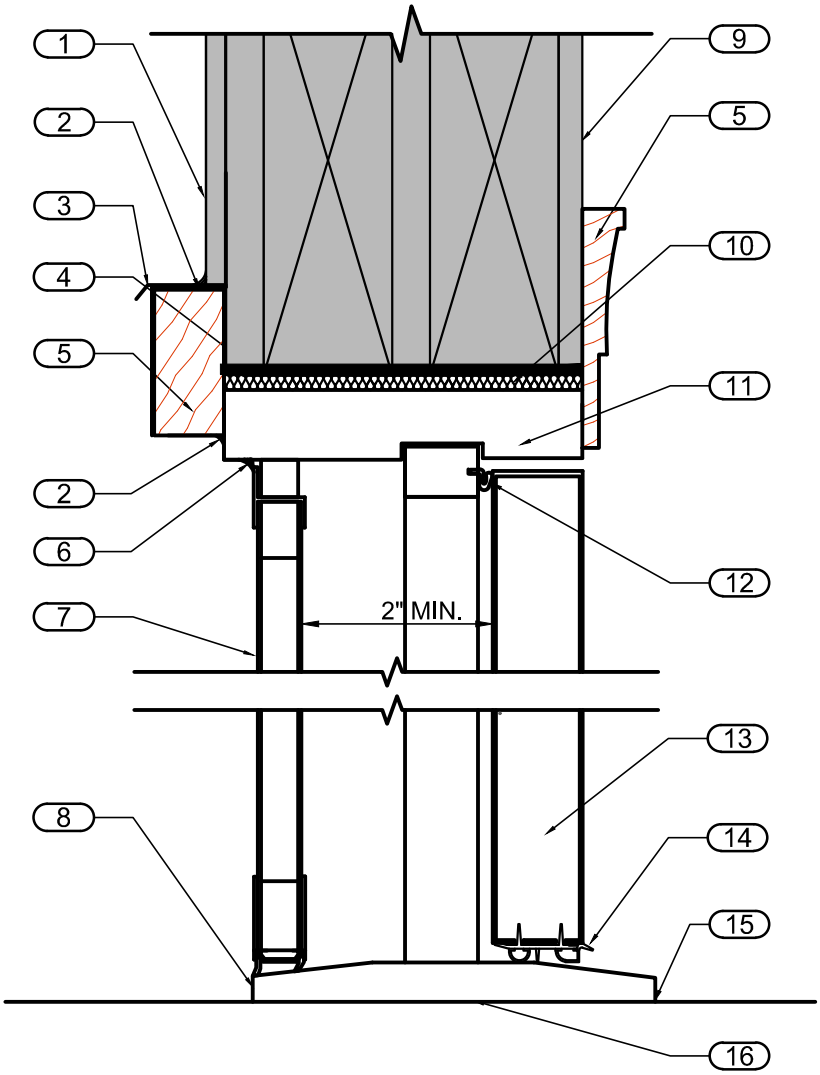
Date : JULY 2026

Drawn by: BBB Checked by: WMH

DETAIL SHEET 10

Feb 07, 2020 – 3:58pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\10 – COMBINATION WINDOW.dwg

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KEY NOTES:

1. EXTERIOR SIDING (CUT BACK IF NEEDED)
2. NEW CONTINUOUS SEALANT
3. NEW FLASHING WITH DRIP EDGE
4. NEW VAPOR RETARDANT MATERIAL TAPED IN WITH WEATHER BARRIER TAPE
5. NEW WOOD TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
6. SET STORM DOOR FRAME IN CONTINUOUS BED OF SEALANT
7. NEW OR REINSTALLED STORM DOOR AND METAL FRAME AS SCHEDULED
8. NEW HARDWOOD OR ALUMINUM THRESHOLD AS SPECIFIED TO MAINTAIN WEATHER-STRIP CONTACT
9. INTERIOR FINISH
10. SHIM AS REQUIRED AND INSULATE DOOR PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
11. NEW FRAME
12. CONTINUOUS FACTORY WEATHER-STRIPPING
13. NEW PRIME DOOR AS SCHEDULED
14. DOOR BOTTOM WEATHER-STRIPPING SWEEP
15. 1/2" MAX HGT.
16. SET SILL IN CONTINUOUS BED OF NEW SEALANT

GENERAL NOTES:

- DETAIL IS ALSO APPLICABLE FOR INSTALLATION OF PRIME DOOR WITHOUT STORM.
- SEE DETAIL SHEET #13 FOR JAMB DETAIL.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

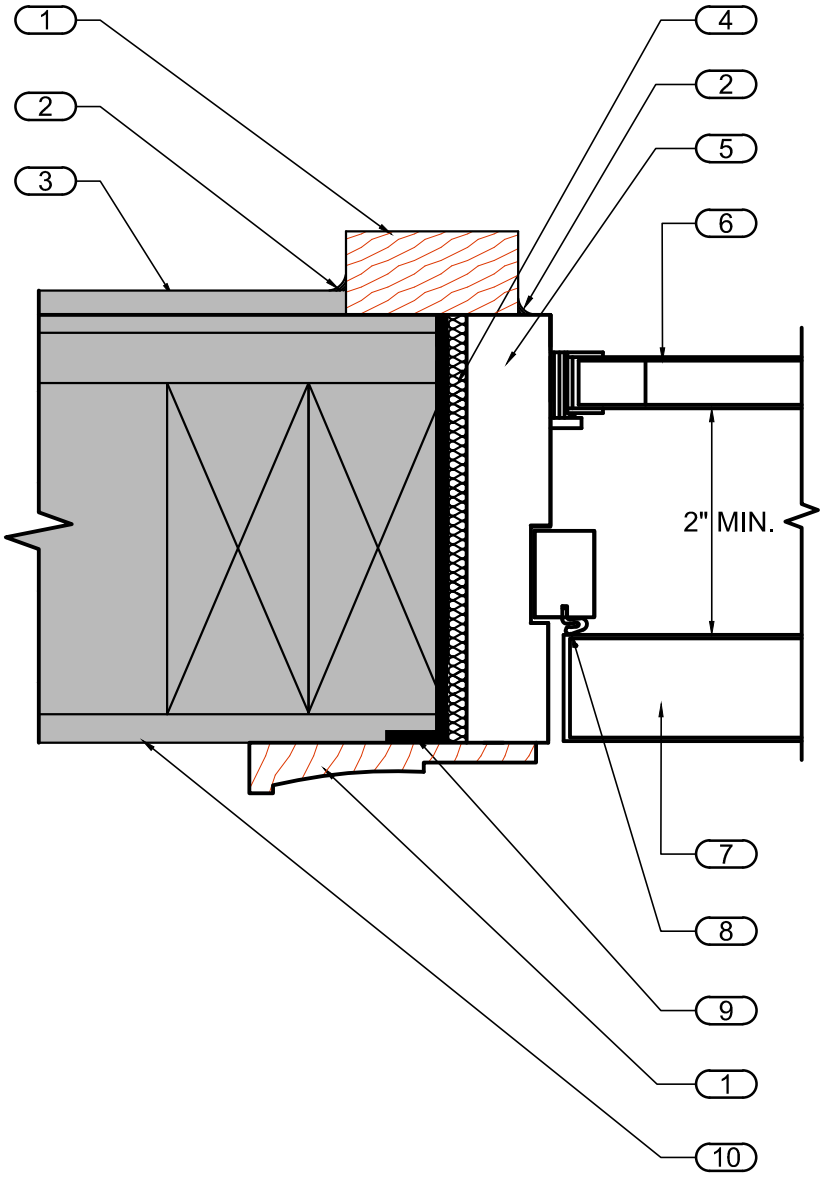
EXTERIOR PRIME AND STORM DOOR UNIT REPLACEMENT (HEAD & SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 20 SHEET 1

Feb 07, 2020 – 3:58pm
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KEY NOTES:

1. NEW TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
2. NEW CONTINUOUS SEALANT
3. EXTERIOR SIDING (CUT BACK IF NEEDED)
4. SHIM AS REQUIRED AND INSULATE DOOR PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS.
5. NEW FRAME
6. NEW OR REINSTALLED STORM DOOR AND METAL FRAME AS SCHEDULED
7. NEW PRIME DOOR AS SCHEDULED
8. CONTINUOUS FACTORY WEATHER-STRIPPING
9. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE
10. INTERIOR FINISH

GENERAL NOTES:

- DETAIL IS ALSO APPLICABLE FOR INSTALLATION OF PRIME DOOR WITHOUT STORM.
- SEE DETAIL SHEET #12 FOR HEAD AND SILL.

EXISTING CONSTRUCTION

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EXTERIOR PRIME AND STORM DOOR UNIT REPLACEMENT (JAMB)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

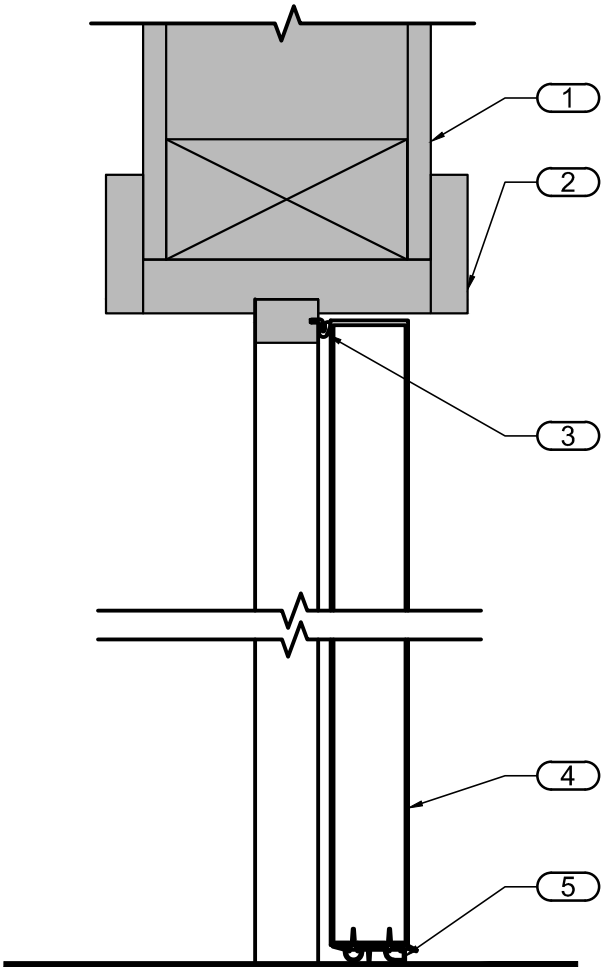
DETAIL SHEET 20 SHEET 2

Feb 07, 2020 – 3:58pm
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KEY NOTES:

1. INTERIOR FINISH
2. INTERIOR TRIM TO REMAIN
3. NEW CONTINUOUS WEATHER STRIPPING
4. NEW DOOR LEAF AS SCHEDULED
5. NEW DOOR SWEEP WITH CONTINUOUS WEATHER STRIPPING



GENERAL NOTES:

- SEE DETAIL SHEET #19 FOR JAMB.
- ENSURE CONTINUOUS CONTACT BETWEEN NEW DOOR SWEEP AND FINISHED FLOOR.

EXISTING CONSTRUCTION

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INTERIOR DOOR LEAF INSTALLATION (HEAD AND SILL)

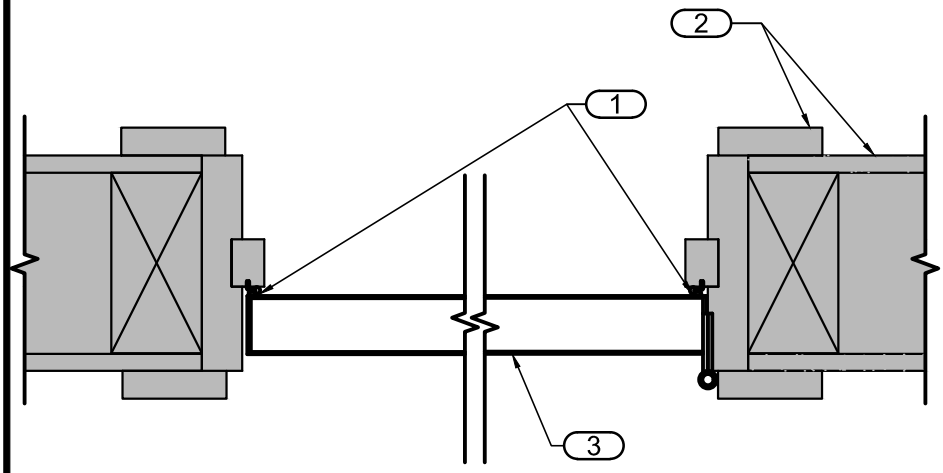
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Date : JULY 2026			
Drawn by: BBB	Checked by: WMH		SHEET 1

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KEY NOTES:

1. NEW WEATHER STRIPPING
2. INTERIOR FINISHES TO REMAIN (TYP.)
3. NEW DOOR LEAF



GENERAL NOTES:

- SEE DETAIL SHEET #18 FOR HEAD AND SILL.
- HINGES TO BE SPRING LOADED WHEN ACCESS TO FURNACE IS WITHIN A BEDROOM.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

INTERIOR DOOR LEAF INSTALLATION (HEAD & JAMBS)

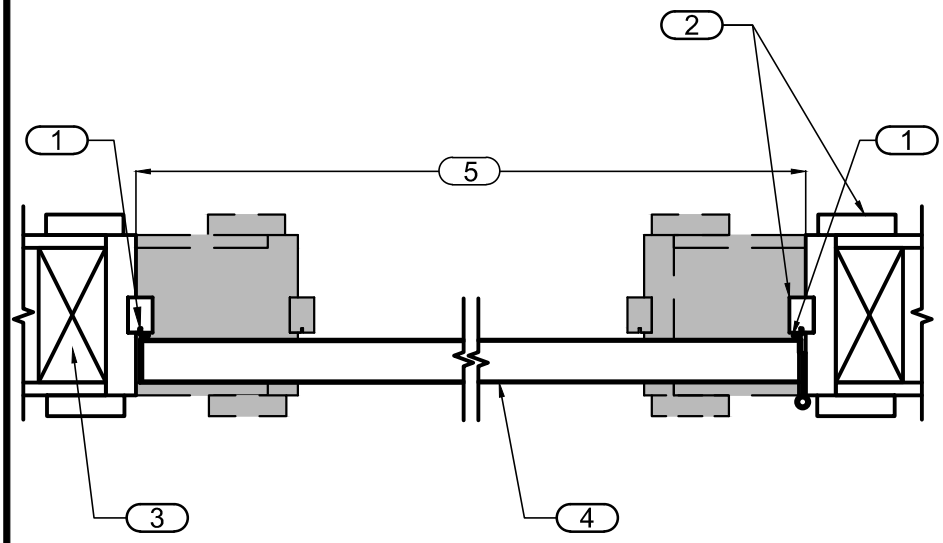
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Date : JULY 2026			
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Feb 07, 2020 – 3:58pm
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KEY NOTES:

1. NEW WEATHER STRIPPING
2. NEW MATERIALS (FRAME, TRIM, STOPS, ETC.) AND FINISHES TO MATCH EXISTING (TYP.)
3. NEW 2" X 4" FRAME STUD (TYP.)
4. NEW DOOR LEAF
5. NEW DOOR OPENING TO BE A MINIMUM OF 2" WIDER THAN FURNACE / COIL CABINET WIDTH



GENERAL NOTES:

- SEE DETAIL SHEET #19B FOR HEAD AND SILL CONDITION.
- HINGES TO BE SPRING LOADED WHEN ACCESS TO FURNACE IS WITHIN A BEDROOM.

EXISTING CONSTRUCTION

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INTERIOR DOOR LEAF ENLARGEMENT (JAMB)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

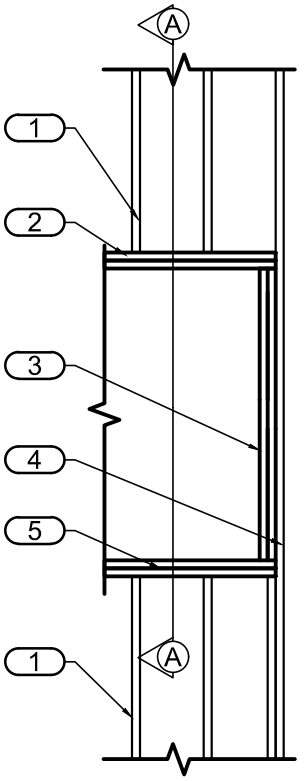
DETAIL SHEET 22

Feb 07, 2020 – 3:59pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\22 – INTERIOR DOOR LEAF ENLARGEMENT (JAMB).dwg

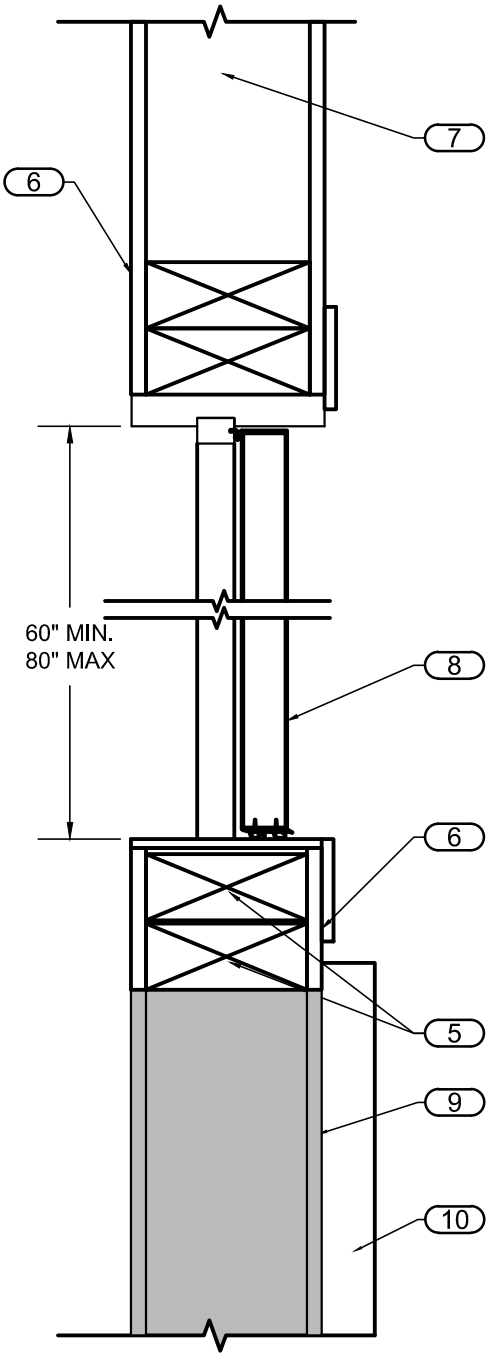
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KEY NOTES:

1. NEW 2X4 CRIPPLE STUDS 16" O.C. AS REQUIRED
2. NEW DOUBLE 2X4 PLATE
3. NEW DOUBLE 2X4 JACKSTUDS
4. 2X4 KING STUD (TYP.)
5. NEW DOUBLE 2X4 SILL
6. NEW WALL MATERIAL AND FINISH TO MATCH EXISTING
7. NEW 2X4 WOOD STUD FRAMING AT 16" O.C. (TYP.)
8. NEW INTERIOR DOOR LEAF
9. INTERIOR FINISH
10. NEW BASEBOARD. RETURN GRILL (IF NEEDED) SIZE MAY VARY



ELEVATION



SECTION A

GENERAL NOTES:

- ELEVATION DETAIL ABOVE APPLIES TO WIDTH ENLARGEMENTS
- SEE DETAIL 19A FOR JAMB CONDITION.
- HINGES TO BE SPRING LOADED WHEN ACCESS TO FURNACE IS WITHIN A BEDROOM.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

INTERIOR DOOR LEAF ENLARGEMENT IN WOOD FRAMED WALL

Scale : NOT TO SCALE

Date : JULY 2026

Drawn by: BBB Checked by: WMH

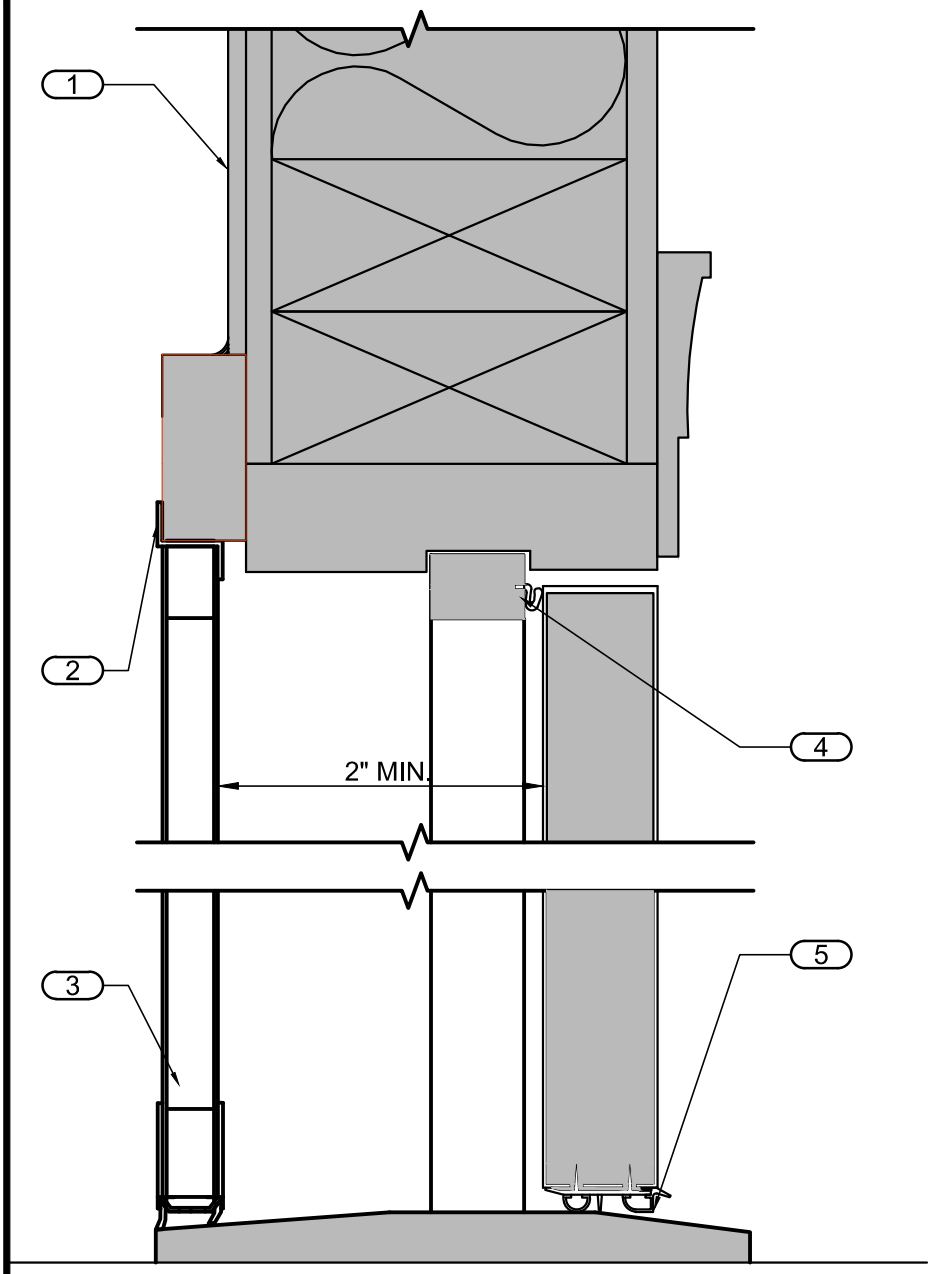
DETAIL SHEET 22.1

Feb 07, 2020 – 3:59pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\22.1 – INTERIOR DOOR LEAF ENLARGEMENT IN WOOD FRAMED WALL.dwg

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KEY NOTES:

1. EXTERIOR SIDING
2. SET STORM DOOR FRAME IN CONTINUOUS BED OF SEALANT
3. NEW STORM DOOR AS SCHEDULED
4. NEW CONTINUOUS FACTORY WEATHER-STRIPPING
5. DOOR BOTTOM WEATHER-STRIPPING SWEEP



EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

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EXTERIOR STORM DOOR INSTALLATION (HEAD, JAMB AND SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

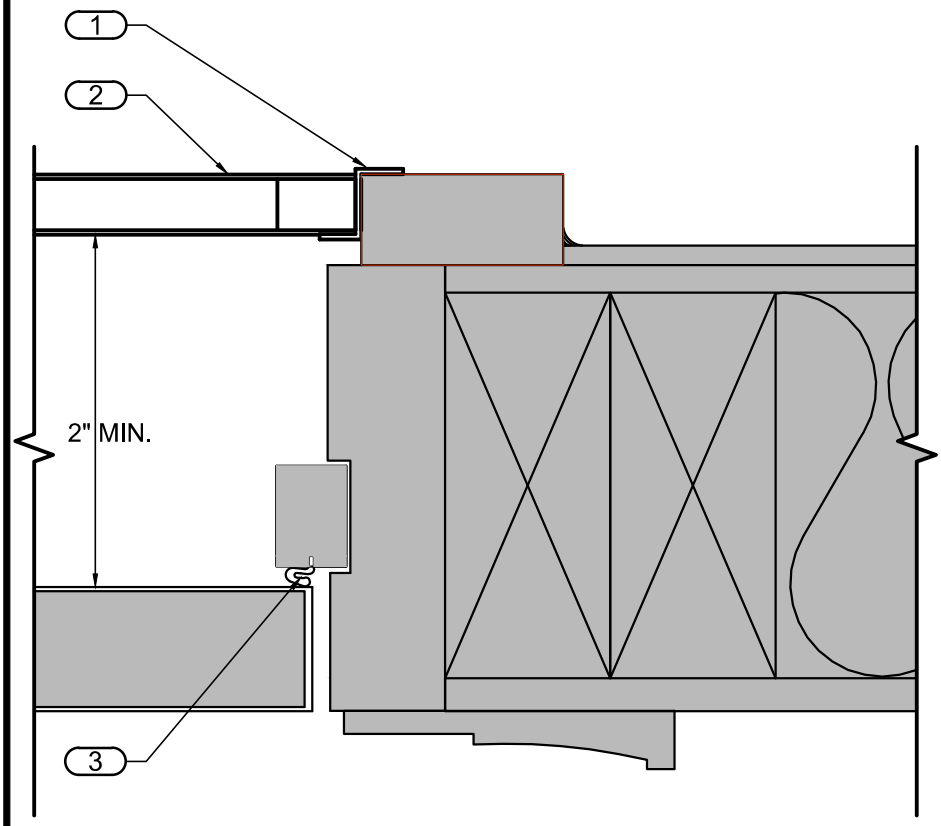
DETAIL SHEET 23 SHEET 1

Feb 07, 2020 – 3:59pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\23 – EXTERIOR STORM DOOR INSTALLATION (HEAD AND SILL) Sheet 1.dwg

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KEY NOTES:

1. SET STORM DOOR FRAME IN CONTINUOUS BED OF SEALANT
2. NEW STORM DOOR AND METAL FRAME AS SCHEDULED
3. NEW CONTINUOUS FACTORY WEATHER-STRIPPING



EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

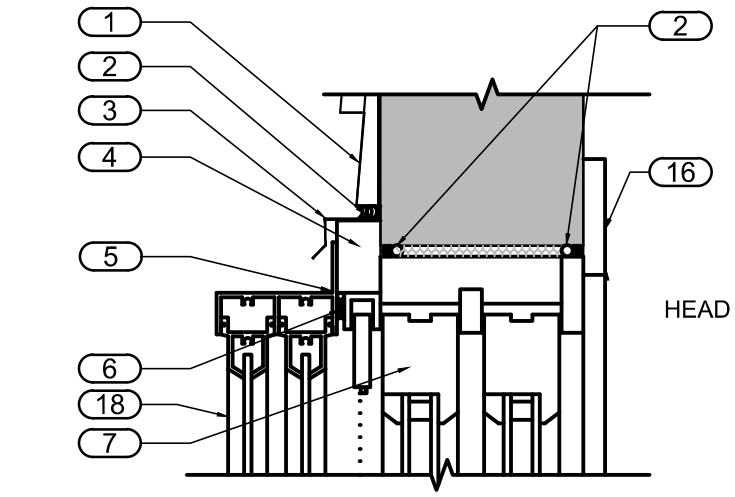
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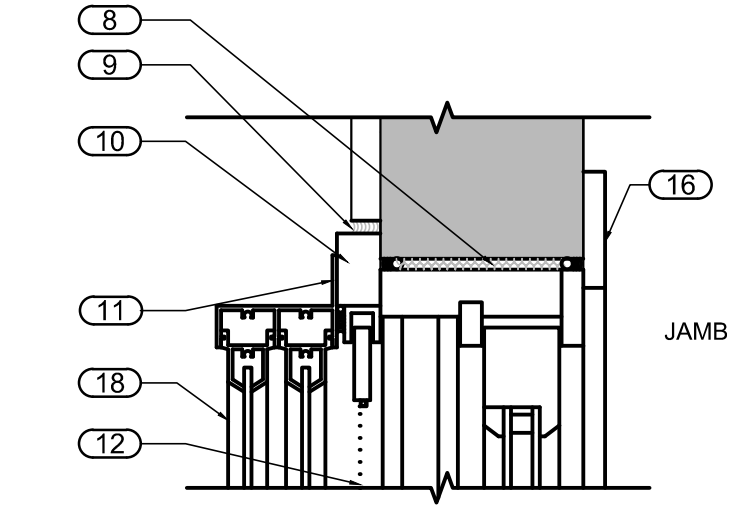
EXTERIOR STORM DOOR INSTALLATION (JAMB)

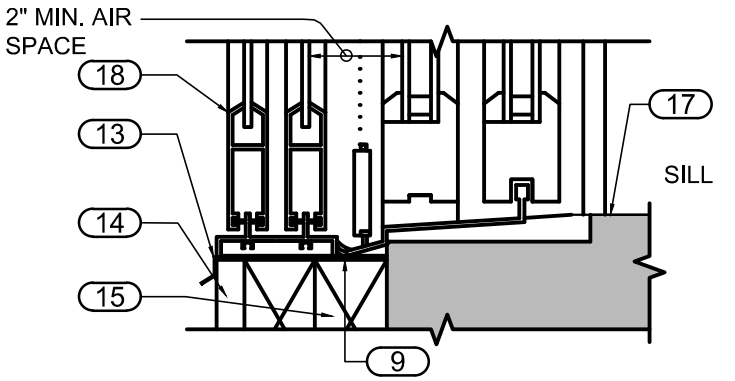
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Date : JULY 2026			23
Drawn by: BBB	Checked by: WMH		SHEET 2

Feb 07, 2020 – 3:59pm
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KEY NOTES:

1. CONTINUOUS .024" ALUM. DRIP EDGE
2. CONTINUOUS CAULK & BACKER ROD
3. NEW FLASHING WITH DRIP EDGE
4. TREATED WOOD CASING AT HEAD & JAMBS. SIZE TO MAINTAIN 1/4" SPACE BETWEEN FRAMES
5. SET STORM FRAME IN CONTINUOUS BED OF SEALANT AT HEAD AND JAMBS
6. FILL GAP W/ SEALANT & BACKER ROD (TYP.) @ HEAD AND JAMBS
7. PATIO DOOR AS SCHEDULED
8. SHIM AS REQUIRED AND INSULATE WINDOW PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
9. NEW CONTINUOUS SEALANT
10. WOOD CASING AT HEAD AND JAMBS. SIZE TO MAINTAIN 1/4" CONTINUOUS SPACE BETWEEN STORM FRAME AND SLIDING SCREEN FRAME
11. SET STORM FRAME IN CONTINUOUS BED OF ACOUSTICAL SEALANT AT HEAD & JAMBS: STORM DOOR, SEE DOOR SCHEDULE
12. SCREEN MUST BE REMOVABLE TO THE EXTERIOR WITHOUT REMOVING GLAZING PNL.
13. CONTINUOUS TRIM AT SILL BLOCKING. FINISH TO MATCH EXISTING CONDITIONS
14. CONTINUOUS TRIM AT SILL BLOCKING. FINISH TO MATCH EXISTING CONDITIONS
15. P.T. WOOD BLOCKING AS REQUIRED
16. NEW TRIM TO MATCH EXISTING OR PER PROJECT SPECIFICATIONS AS REQUIRED
17. EXISTING FLOOR
18. NEW STORM DOOR

EXISTING CONSTRUCTION

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EXTERIOR STORM DOOR INSTALLATION (HEAD, JAMB AND SILL)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

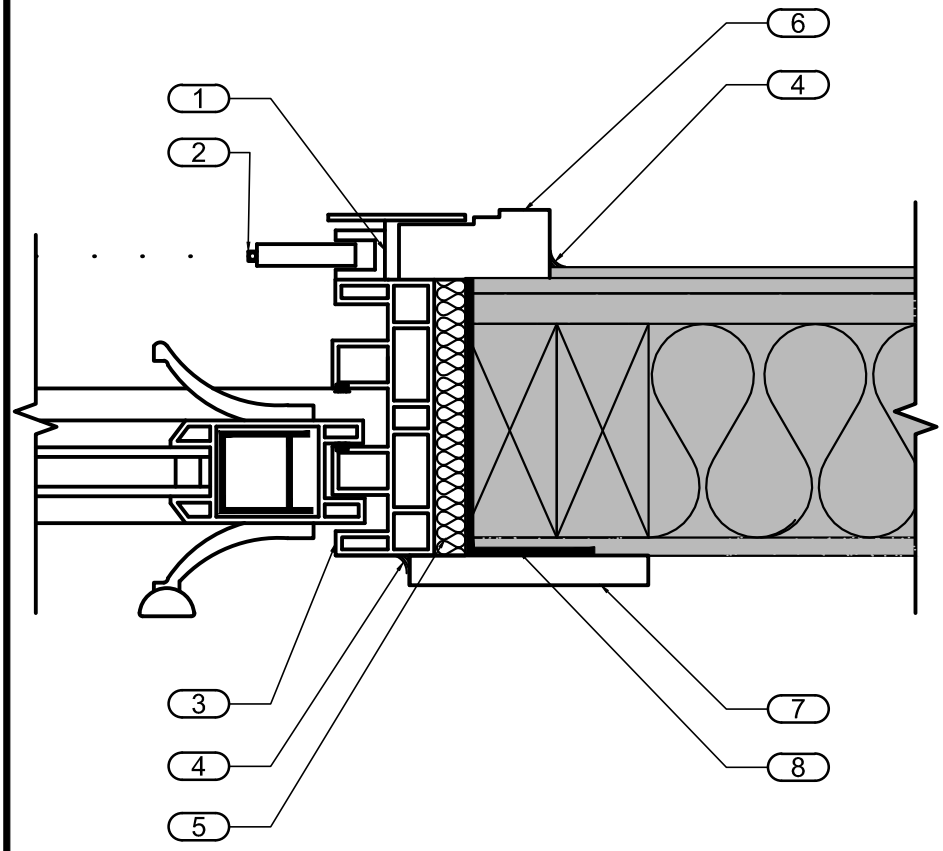
DETAIL SHEET 24 SHEET 1

Feb 07, 2020 – 3:59pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\24 – EXTERIOR PATIO DOOR INSTALLATION (HEAD & SILL) Sheet 1.dwg

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KEY NOTES:

1. SET STORM FRAME IN CONTINUOUS BED OF SEALANT AT HEAD AND JAMBS
2. NEW REMOVABLE SCREEN
3. NEW PATIO DOOR AS SCHEDULED
4. NEW CONTINUOUS SEALANT
5. SHIM AS REQUIRED AND INSULATE DOOR PERIMETER VOIDS PER MANUFACTURER'S INSTRUCTIONS
6. NEW WOOD TRIM TO MATCH EXISTING AT HEAD AND JAMBS - SIZE TO MAINTAIN 1/4" (MIN.) SPACE BETWEEN STORM FRAME AND SLIDING SCREEN FRAME
7. NEW TRIM PER PROJECT SPECIFICATIONS
8. NEW VAPOR RETARDANT MATERIAL TAPED IN PLACE WITH WEATHER BARRIER TAPE



EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

EXTERIOR PATIO DOOR INSTALLATION (JAMB)

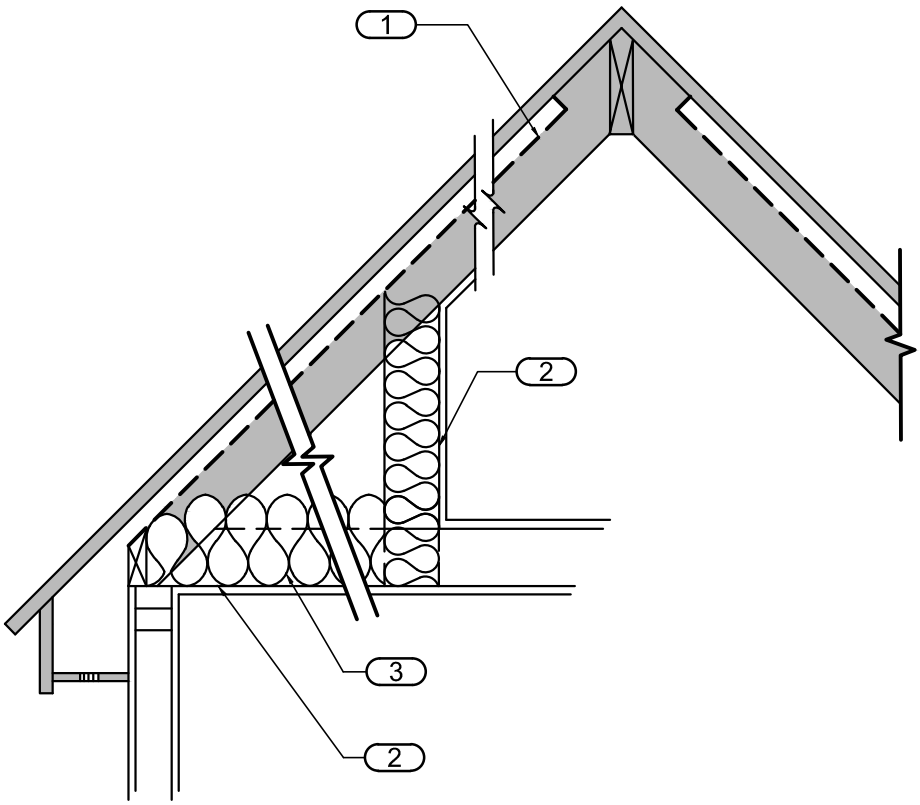
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Date : JULY 2026			
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Feb 07, 2020 – 3:59pm
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KEY NOTES:

1. RUN NEW BAFFLE VENT TO WITHIN 2" OF RIDGE BOARD
2. INSULATION FACING SHALL BE TOWARD LIVING SPACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
3. PROVIDE INSULATION UP TO 12" (MIN.) WITHOUT OBSTRUCTING VENTILATION



GENERAL NOTES:

- IF FINISHED ATTIC HAS KNEEWALLS AND NO FLOOR BEHIND, INSULATE KNEE WALL AND FLOOR AS SHOWN.
- FOR ATTICS WITH FINISHED CEILINGS, SEE DETAIL 23.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

KNEEWALL DETAIL

Scale : NOT TO SCALE

Date : JULY 2026

Drawn by: BBB Checked by: WMH

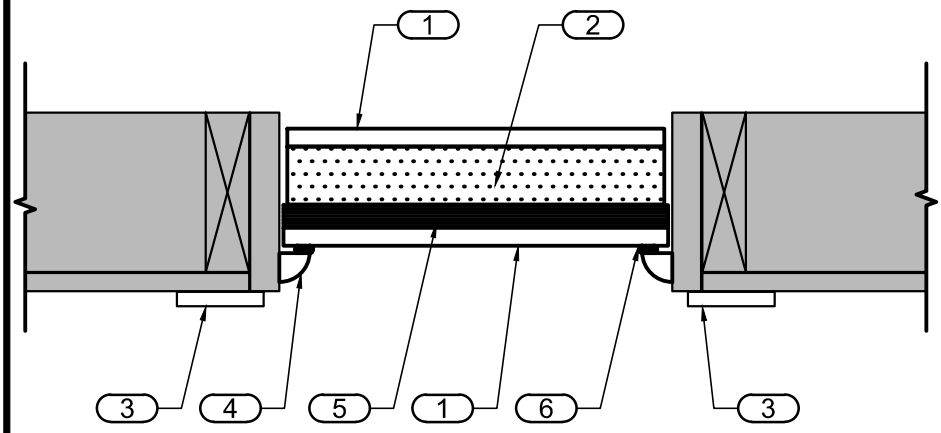
DETAIL SHEET 30.2

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G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\30.2 – KNEEWALL DETAIL.dwg

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KEY NOTES:

1. NEW 5 /8" DRYWALL GLUED TO PLYWOOD ACCESS PANEL. MATCH EXISTING CEILING
2. NEW 2" THICK RIGID POLYSTRYRENE INSULATION GLUED TO BACK OF 3/4 " PLYWOOD ACCESS PANEL
3. NEW CASING
4. NEW STOPS
5. NEW 3/4" PLYWOOD
6. NEW WEATHER STRIPPING AROUND PERIMETER OF OPENING ON WOOD STOPS



GENERAL NOTES:

- DETAIL APPLIES TO EXISTING ATTIC ACCESSES TO BE ACOUSTICALLY TREATED

EXISTING CONSTRUCTION

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ATTIC ACCESS PANEL

Scale : NOT TO SCALE

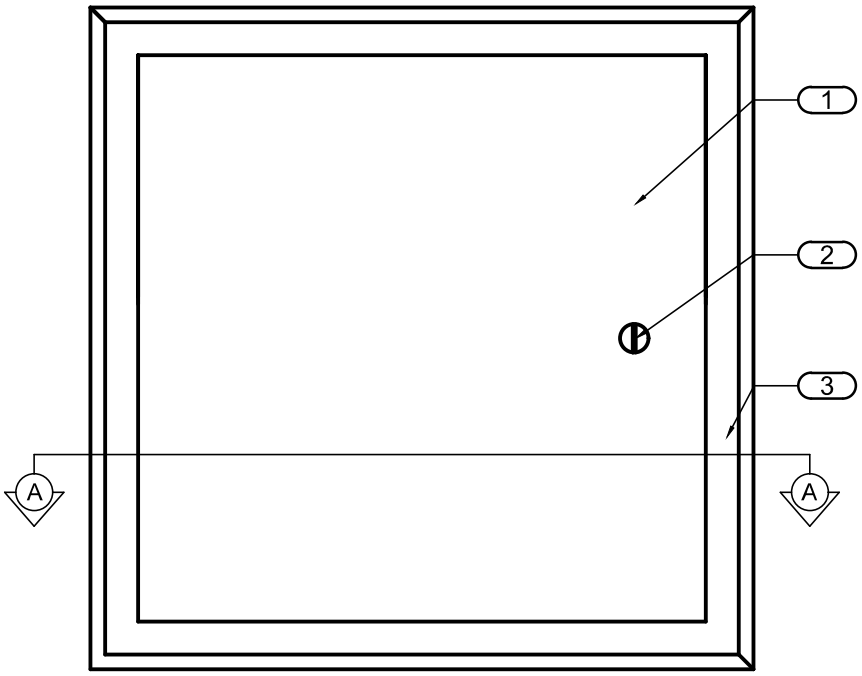
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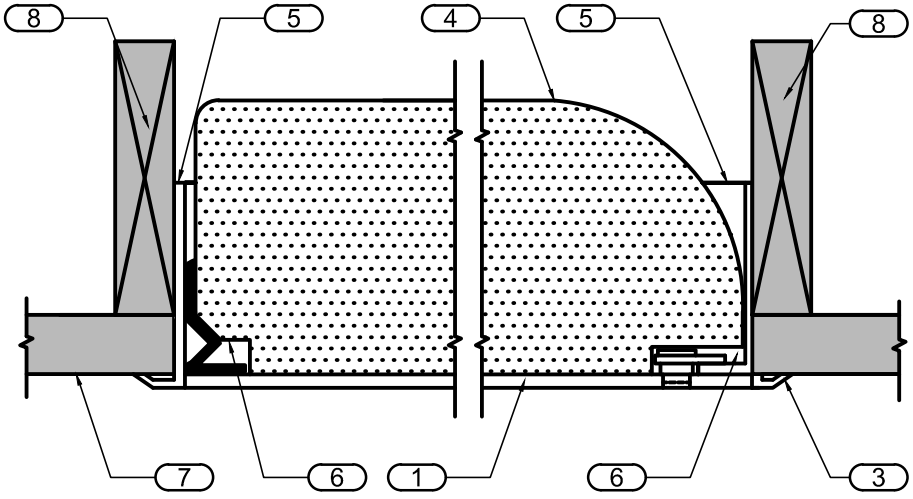
DETAIL SHEET 30.3 SHEET 1

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PLAN VIEW



SECTION A

KEY NOTES:

1. NEW ACCESS PANEL (24" X 24")
2. CAM LOCK (SCREWDRIVER OPERATED)
3. ACCESS PANEL TRIM
4. 2" THICK RIGID POLYSTYRENE GLUED TO THE BACK OF ACCESS DOOR. RADIUS POLYSTYRENE TO ENSURE HATCH CAN OPEN AND CLOSE
5. FLANGE
6. NOTCHED FOR CAM LOCK AND HINGE
7. EXISTING CEILING
8. EXISTING CEILING FRAMING

EXISTING CONSTRUCTION

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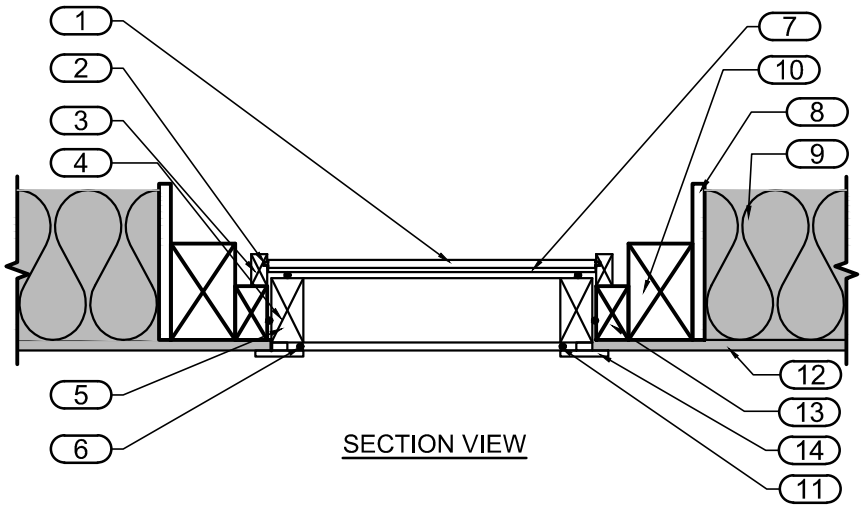
RESIDENTIAL SOUND INSULATION PROGRAM

NEW ATTIC ACCESS PANEL

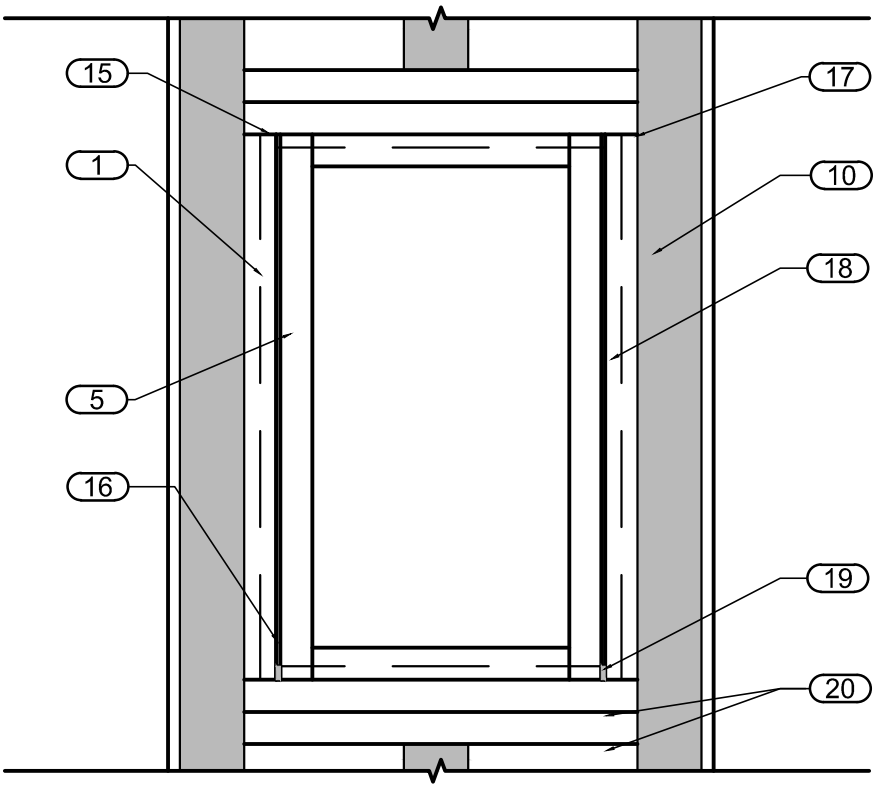
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Date : JULY 2026			30.3
Drawn by: BBB	Checked by: WMH		SHEET 2

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SECTION VIEW



PLAN VIEW

KEY NOTES:

1. 1/2" RIGID INSULATION LID COVER
2. PLASTIC TRACK FOR INSULATION TO SLIDE OPEN
3. 2" X 1" PIECE OF WOOD
4. NEW CONTINUOUS SEALANT
5. FOLDING STAIRS FRAME
6. CONTINUOUS SEAL GASKET
7. 1/4" PLYWOOD VENEER GLUED TO THE BACK OF RIGID INSULATION
8. 3/4" PLYWOOD INSULATION DAMS
9. UP TO 12" OF INSULATION
10. CEILING JOIST
11. WOOD LIP
12. CEILING
13. 2" X 4" HEADER
14. NEW TRIM
15. (4) 3 1/2" GALV. WOOD SCREWS (TYP.)
16. NEW SEALANT BETWEEN FRAME AND ROUGH OPENING
17. ROUGH OPENING FOR PULL DOWN STAIR SIZED PER MANUFACTURER'S RECOMMENDATION
18. FRAME OPENING 2" X 4" HEADER GLUED AND SCREWED
19. RUBBER STOPPER
20. NEW (2) 2" X 4" HEADER FRAMING SUPPORT

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

INSTALLATION OF PULL-DOWN STAIRS

Scale : NOT TO SCALE

Date : JULY 2026

Drawn by: BBB Checked by: WMH

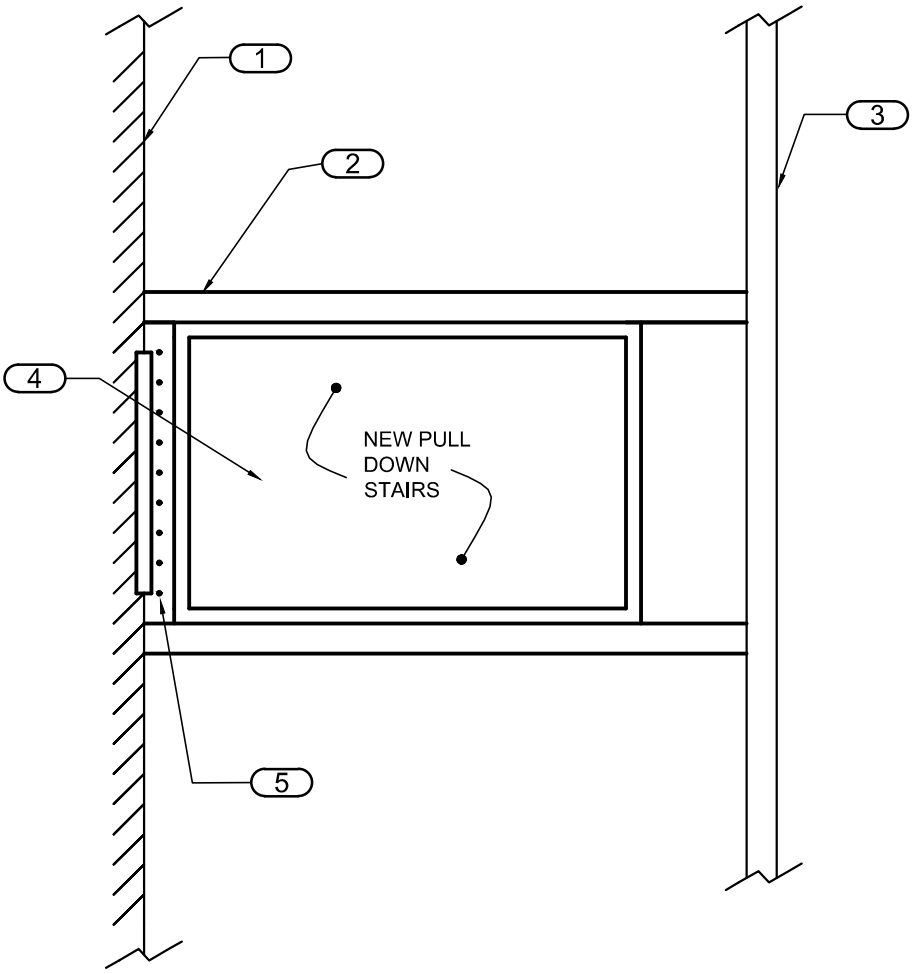
DETAIL SHEET 30.3 SHEET 3

Feb 07, 2020 – 3:59pm
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KEY NOTES:

1. GARAGE WALL
2. 2 X 6 MECHANICALLY FASTENED TO NEW/EXISTING 2 X 6 MEMBERS (TYP.)
3. EXISTING 2 X 6 JOIST
4. NEW OR EXISTING ATTIC ACCESS
5. 2 X 6 MECHANICALLY FASTENED TO GARAGE WALL (SIZED AS REQUIRED FOR PULL-DOWN STAIRS DIMENSIONS)



GENERAL NOTES:

- ORIENT STAIRS AS REQUIRED BY HOMEOWNER. COORDINATE FINAL LOCATION WITH HOMEOWNER AND ENGINEER.

EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

INSTALLATION OF PULL-DOWN STAIRS (GARAGE)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

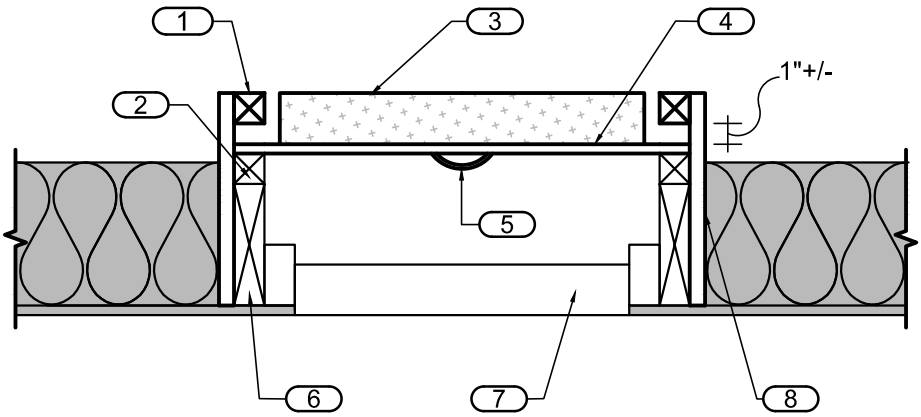
DETAIL SHEET 30.3 SHEET 4

Feb 07, 2020 – 3:59pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\30.3 – PULL–DOWN STAIRS (GARAGE INSTALLATION) Sheet 4.dwg

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KEY NOTES:

1. 2 X 2 BLOCKING
2. BLOCKING AS REQUIRED
3. 3" POLYSTYRENE FOAM GLUED IN PLACE
4. MASONITE CUT TO SIZE AS REQUIRED
5. GALVANIZED STEEL HANDLE
6. EXISTING CEILING JOIST (TYP.)
7. PULL DOWN STAIRS PER PROJECT DETAILS
8. 1 /2" PLYWOOD CUT TO SIZE (3 SIDES) (SEE NOTES)



GENERAL NOTES:

- SIZE PLYWOOD ON WIDTH END AS REQUIRED TO ALLOW MASONITE COVER TO SLIDE LENGTH OF PULL DOWN STAIR.

EXISTING CONSTRUCTION

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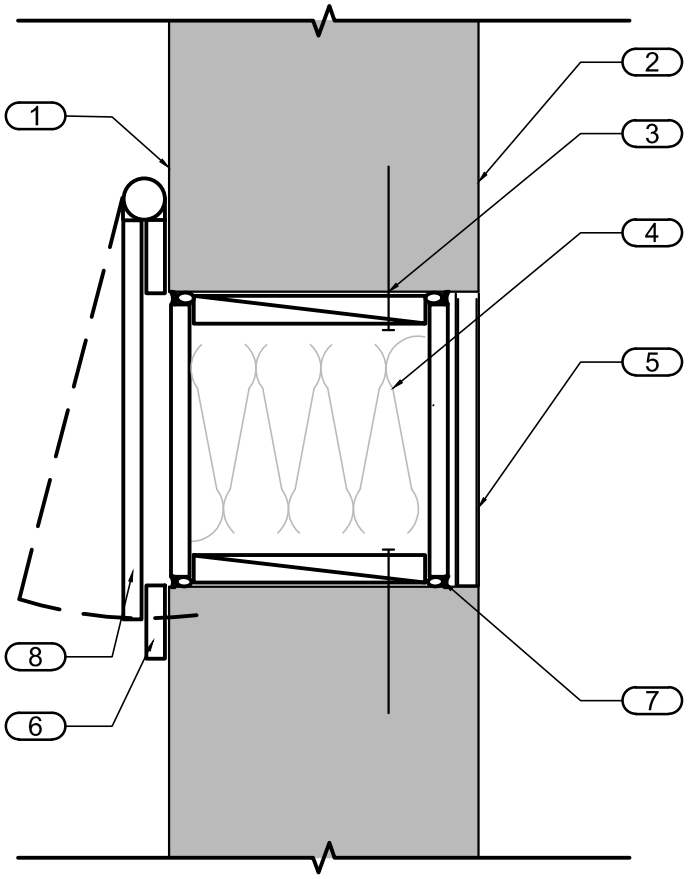
PULL-DOWN STAIR COVER

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET
30.3
SHEET 5

Feb 07, 2020 – 3:59pm
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KEY NOTES:

1. EXTERIOR WALL.
2. INTERIOR WALL
3. 1X NAILERS
4. COMPRESSED INSULATION SEE SECTION 07200
5. 1/2" GYP BOARD - FINISH TO MATCH ADJACENT FINISH WALL OVER 5/8" PLYWOOD BACKING. PAINT INTERIOR TO MATCH EXISTING INTERIOR COLOR
6. 5 /8" EXTERIOR AC PLYWOOD. PAINT EXTERIOR TO MATCH EXISTING EXTERIOR COLOR
7. NEW SEALANT ON ALL EDGES
8. MAIL SLOT DOOR TO REMAIN

GENERAL NOTES:

- DETAIL SIMILAR FOR MILK CHUTE.

EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

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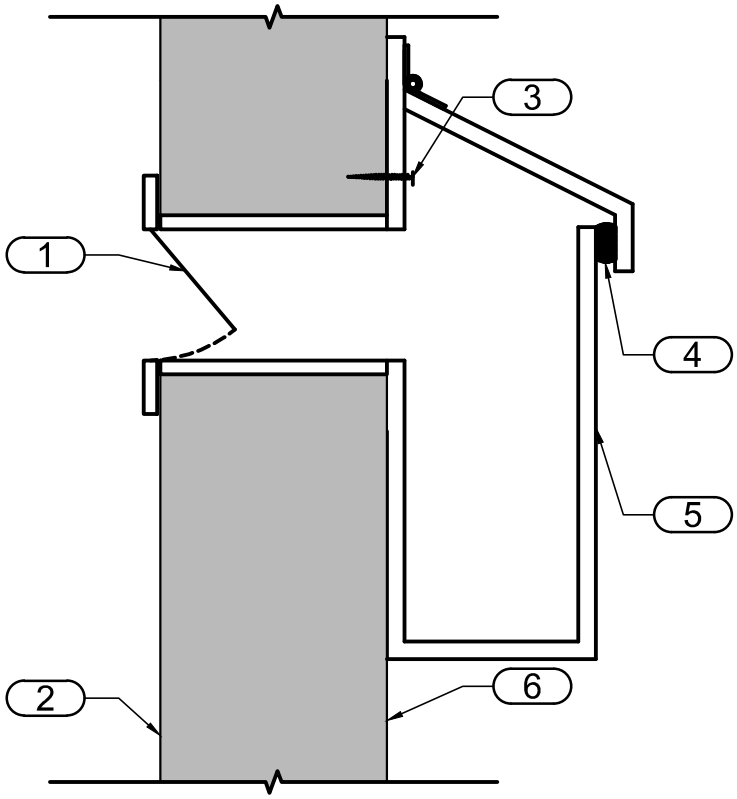
MAIL SLOT SEALING

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 32.1

Feb 07, 2020 – 4:00pm
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KEY NOTES:

1. NEW MAIL SLOT DOOR
2. EXTERIOR WALL
3. 1 1/2" SHEETROCK SCREWS (TYP. OF 3)
4. NEW WEATHER STRIPPING AROUND PERIMETER OF OPENING ON MAIL BAFFLE BOX
5. NEW 1 /2" PINE INTERIOR MAIL BAFFLE BOX 12-1/2" H x 15" W x 8" D. PAINT OR STAIN TO MATCH EXISTING CONDITIONS
6. INTERIOR WALL

EXISTING CONSTRUCTION

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INTERIOR
MAIL BAFFLE BOX

Scale : NOT TO SCALE

Date : JULY 2026

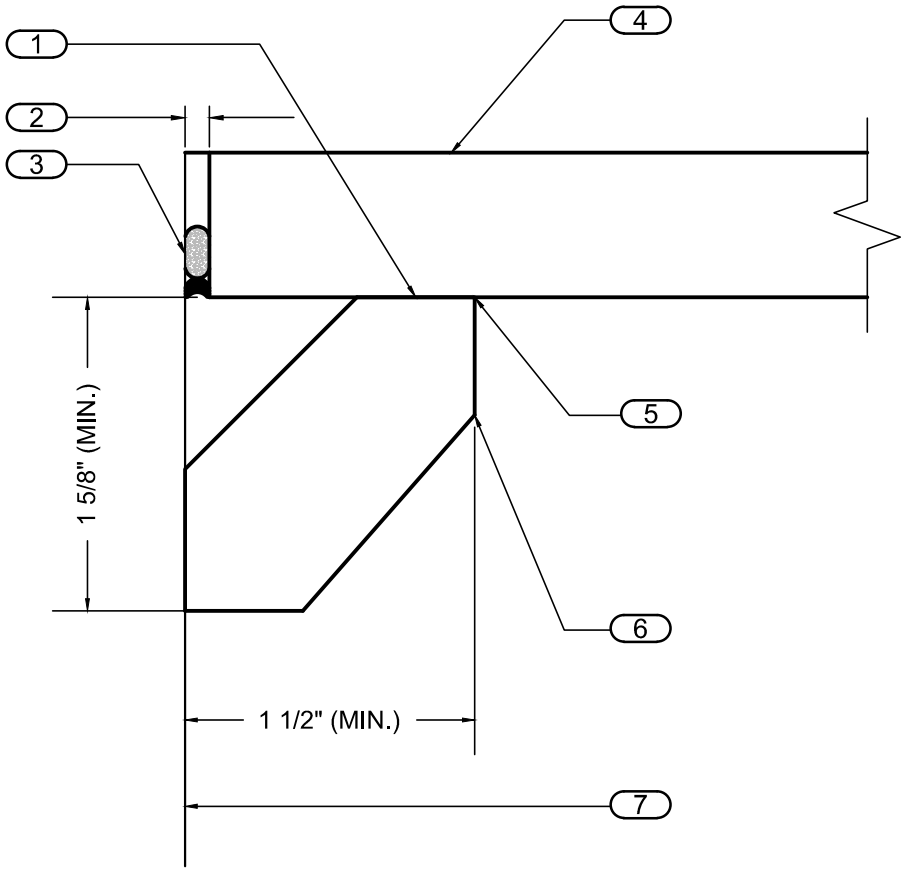
Drawn by: BBB

Checked by: WMH

DETAIL SHEET
32.2

Feb 07, 2020 – 4:00pm
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KEY NOTES:

1. APPLY ACOUSTICAL SEALANT TO BACK OF MOULDING PRIOR TO INSTALLATION
2. PROVIDE A 1/8" GAP BETWEEN NEW GWB ON CEILING AND WALL
3. NEW 1/4" CONTINUOUS BACKER ROD WITH ACOUSTICAL SEALANT
4. NEW 5/8" GWB
5. APPLY ACOUSTICAL SEALANT ALONG ENTIRE LENGTH OF MOULDING AT CEILING AND WALL PRIOR TO PRIMER (OR STAIN) APPLICATION (TYP.)
6. NEW OR EXISTING RE-USE MOULDING SECURED TO WALL. DO NOT SECURE TO CEILING
7. FACE OF EXISTING WALL

GENERAL NOTES:

- WHERE MOULDING EXISTS IN A ROOM TO RECEIVE A NEW CEILING, REMOVE AND RE-INSTALL EXISTING MOULDING OR PROVIDE NEW MOULDING TO MATCH EXISTING. IN ROOMS SCHEDULED TO RECEIVE A NEW CEILING WHICH HAVE NO EXISTING CEILING MOULDING, PROVIDE NEW MOULDING ALONG ENTIRE PERIMETER OF CEILING.

EXISTING CONSTRUCTION

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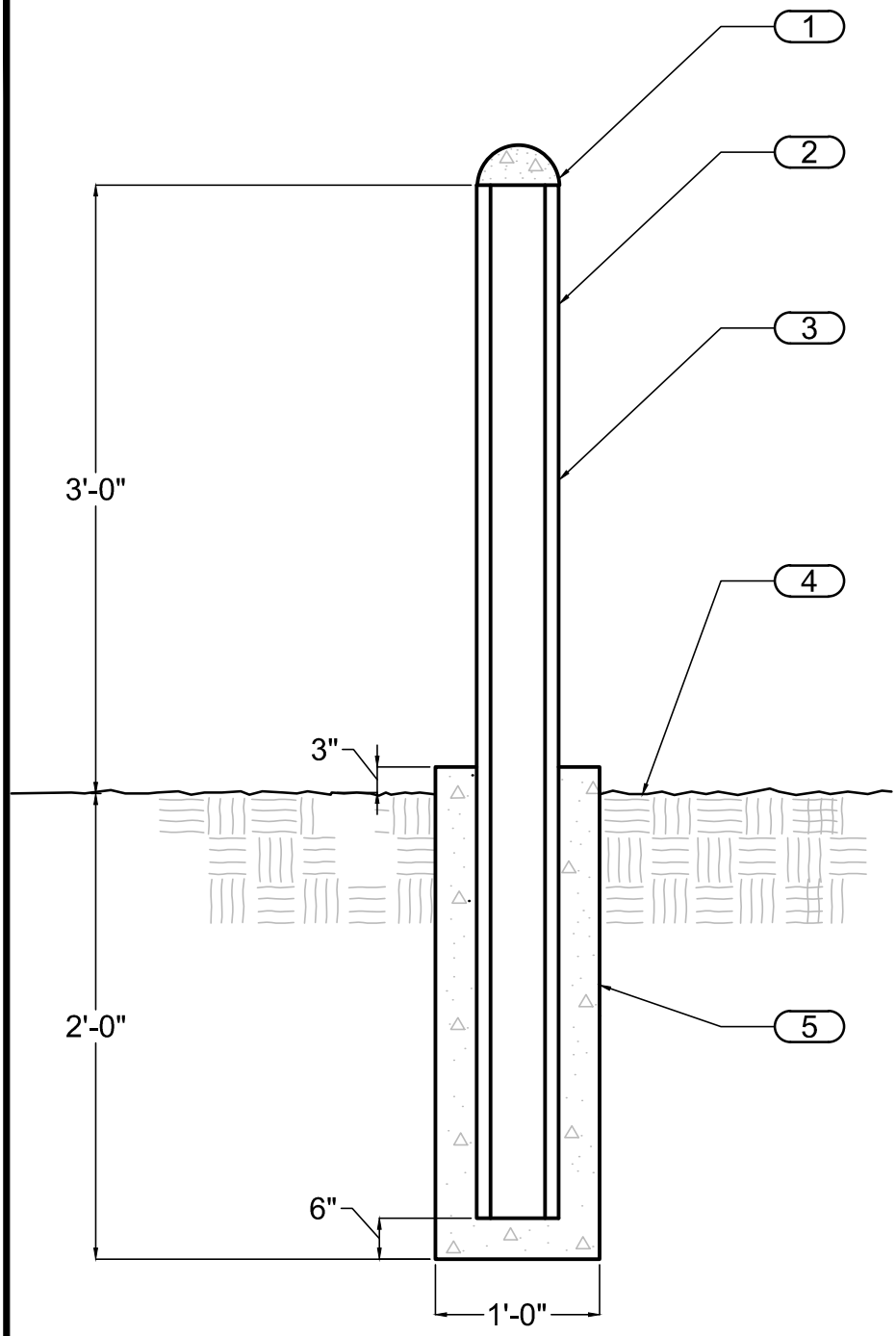
CEILING SHEETROCK AND TRIM

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 34

Feb 07, 2020 – 4:00pm
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KEY NOTES:

1. CONCRETE ROUND TOP
2. 4" SCHEDULE 40 STEEL PIPE FILLED WITH 2500 PSI CONCRETE FULL LENGTH OF PIPE
3. SHOP PRIMED, 2 COATS GLOSS ENAMEL - OSHA SAFETY YELLOW
4. BITUMINOUS ASPHALT PAVEMENT OR EARTH AS ENCOUNTERED
5. 2500 PSI CONCRETE ENCASEMENT (TYP.)

GENERAL NOTES:

- ALL BOLLARDS TO BE SPACED 4'-0" O.C.
- ALL BOLLARDS TO BE SET PLUMB.
- CONTRACTOR IS REQUIRED TO CORE HOLE THROUGH EXISTING AC PAVEMENT OR CONCRETE AS REQUIRED AT NO ADDITIONAL COST.

EXISTING CONSTRUCTION

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TYPICAL BOLLARD

Scale : NOT TO SCALE

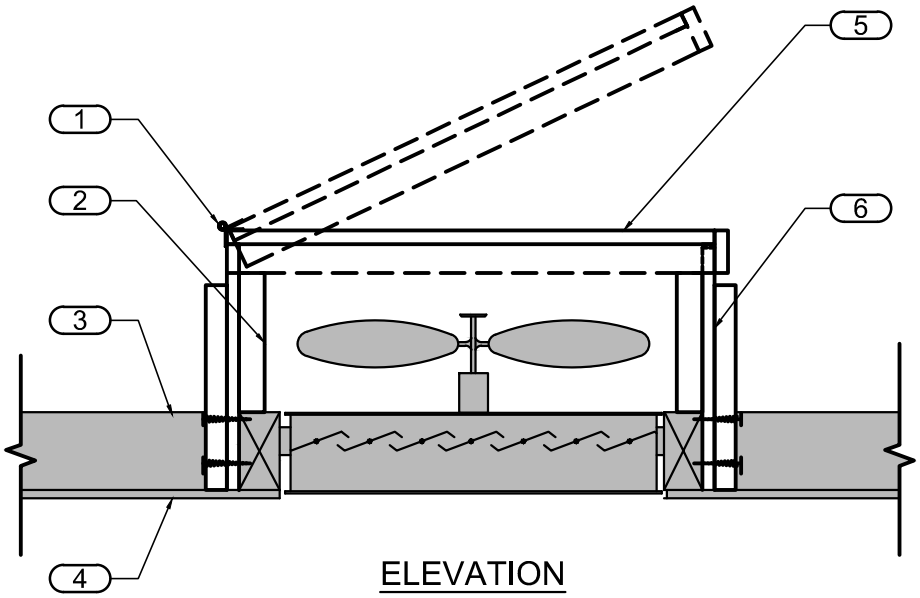
Date : JULY 2026

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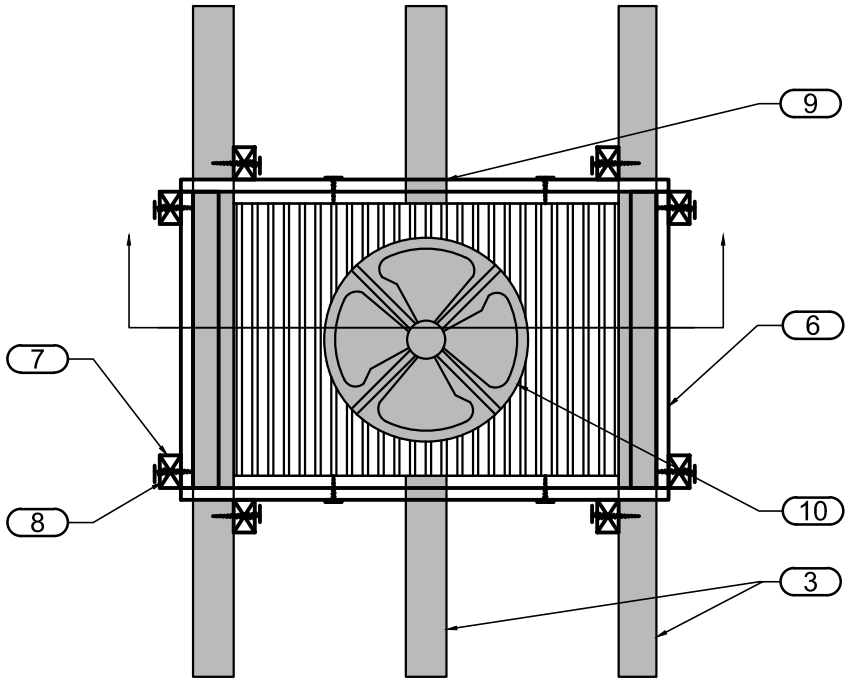
DETAIL SHEET 35

Feb 07, 2020 – 4:00pm
G:\Group\SW\QuieterHome\00 NEW QHP\Program DETAILS\Dwgs\35– TYPICAL BOLLARD.dwg

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ELEVATION



PLAN

KEY NOTES:

1. PIANO HINGE.
2. LINE SIDES OF BOX WITH 2" RIGID INSULATION
3. CEILING JOIST
4. CEILING
5. 1/2" PLYWOOD WITH 2" RIGID INSULATION GLUED TO UNDERSIDE OF COVER
6. 1/2" PLYWOOD 18" TALL MIN. AROUND PERIMETER OF FAN
7. 2" X 4" BLOCKING ATTACHED TO PLYWOOD SIDES BOTH ENDS
8. GLUE AND SCREW PLYWOOD (TYP.)
9. NOTCH PLYWOOD TO FIT OVER FLOOR JOIST
10. WHOLE HOUSE FAN

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

WHOLE HOUSE FAN COVER

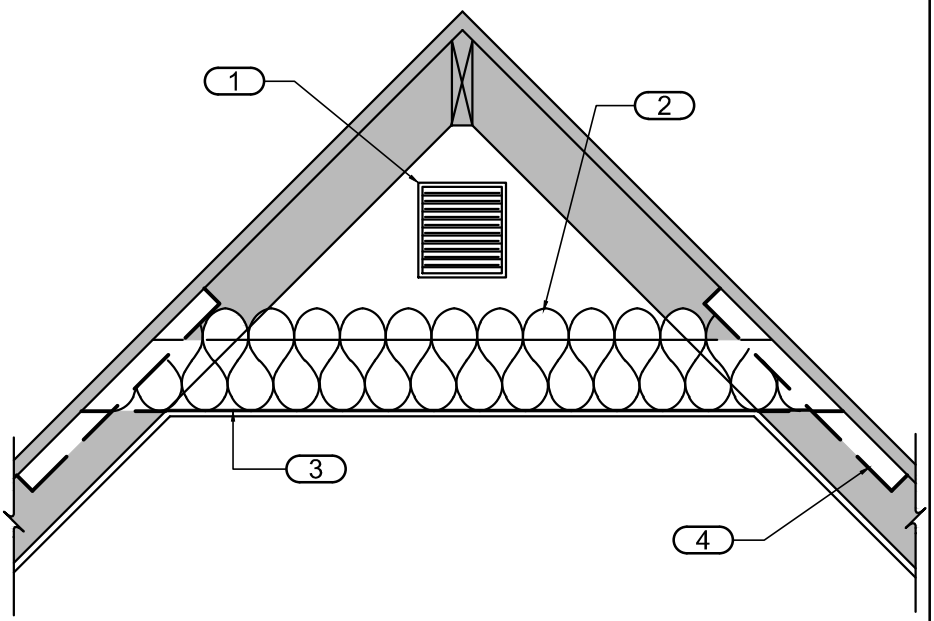
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Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET

36.1

Feb 07, 2020 – 4:00pm
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KEY NOTES:

1. NEW OR EXISTING GABLE VENT
2. PROVIDE INSULATION UP TO 12" MIN. WITHOUT OBSTRUCTING VENTILATION
3. INSULATION FACING SHALL BE TOWARD LIVING SPACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
4. INSTALL BAFFLE VENT (2'-0") LONG (MIN.) TO KEEP INSULATION AWAY FROM UNDERSIDE OF ROOF

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

GABLE VENT DETAIL

Scale : NOT TO SCALE

Date : JULY 2026

Drawn by: BBB Checked by: WMH

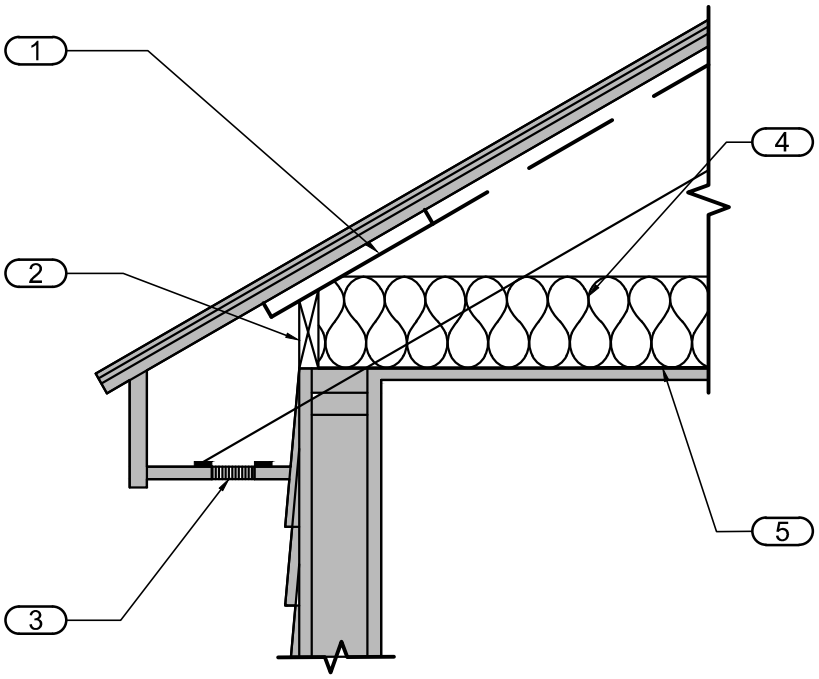
DETAIL SHEET 37.1

Feb 07, 2020 – 4:00pm
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KEY NOTES:

1. BAFFLE PER CONTRACT SPECIFICATIONS
2. CUT BACK OR DRILL 2" DIAMETER HOLE AT 24" O.C. IN EXISTING BLOCKING TO ALLOW AIR CIRCULATION THROUGH BAFFLE VENT
3. NEW SOFFIT VENT AS SCHEDULED
4. PROVIDE INSULATION UP TO 12" MIN. WITHOUT OBSTRUCTING VENTILATION
5. INSULATION FACING SHALL BE TOWARD LIVING SPACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS



EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

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SOFFIT VENT SECTION

Scale : NOT TO SCALE			DETAIL SHEET
Date : JULY 2026			37.2
Drawn by: BBB	Checked by: WMH		

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STEEL LINTEL SCHEDULE

FOR NON-BEARING PARTITIONS

WALL THICKNESS	MASONRY OPENING	
	UP TO 4'-0" 4" BEARING EACH END	4'-0" TO 8'-0" 8" BEARING EACH END
4"	L4 X 3 1/2" X 5/16" LLV OR WT4 X 6.5 *	L6 X 3 1/2 X 5/16" LLV OR WT6 X 8 *
6"	WT4 X 6.5	WT6 X 8
8"	2 - L'S 4 X 3 1/2 X 5/16" LLV OR WT4 X 12 *	2 - L'S 6 X 3 1/2 X 5/16" LLV OR WT7 X 15 *
10"	L5 X 5 X 5/16" + L4 X 3 1/2 X 5/16" LLV OR WT4 X 15.5	L5 X 5 X 5/16" + L5 X 3 1/2 X 5/16" LLV OR WT6 X 20
12"	3 - L'S 4 X 3 1/2 X 5/16" LLV OR 2 X WT5 X 11	3 - L'S 6 X 3 1/2" X 5/16" LLV OR 2 WT5 X 11

* CUT FLANGES TO 3 1/2" WIDTH

INTERIOR LINTEL NOTES:

1. FOR LINTELS NOT SHOWN ON PLANS, SEE SCHEDULE ABOVE.
2. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENING LOCATIONS.
3. FOR SPECIAL CONDITIONS, SEE ARCHITECTURAL SCHEDULES OR SECTIONS.
4. FOR OPENINGS OVER 8'-0", CONSULT STRUCTURAL ENGINEER.
5. TACK WELD BACK-TO-BACK VERTICAL LEGS OF MULTIPLE ANGLE LINTELS.

EXTERIOR & BEARING WALL LINTEL NOTES:

1. HUNG AND CLIPPED LINTELS TO EXTEND 4" INTO MASONRY EACH END. LOOSE LINTELS UP TO 4'-0" TO HAVE 4" MIN. BEARING AND LOOSE LINTELS FROM 4'-0" TO 8'-0" TO HAVE 8" MIN. BEARING.
2. PROVIDE FOR VERTICAL AND HORIZONTAL ADJUSTMENT OF 1/2" ON ALL HUNG AND CLIPPED LINTELS. TACK WELD ALL SLOTTED HOLES IN LINTELS AND CLIPS AFTER FINAL ADJUSTMENT.
3. FOR INCIDENTAL OPENINGS NOT SHOW ON STRUCTURAL PLANS PROVIDE ONE L4 X 3 1/2 X 5/16" LLV FOR EACH 4" OF WALL THICKNESS UP TO 4'-0" OPENING; OR ONE L6 X 3 1/2 X 5/16" LLV FOR EACH 4" OF WALL THICKNESS FOR OPENINGS FROM 4'-0" UP TO 8'-0".
4. TACK WELD BACK-TO-BACK VERTICAL LEGS OF MULTIPLE ANGLE LINTELS.

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STRUCTURAL LINTEL SCHEDULE

Scale : NOT TO SCALE

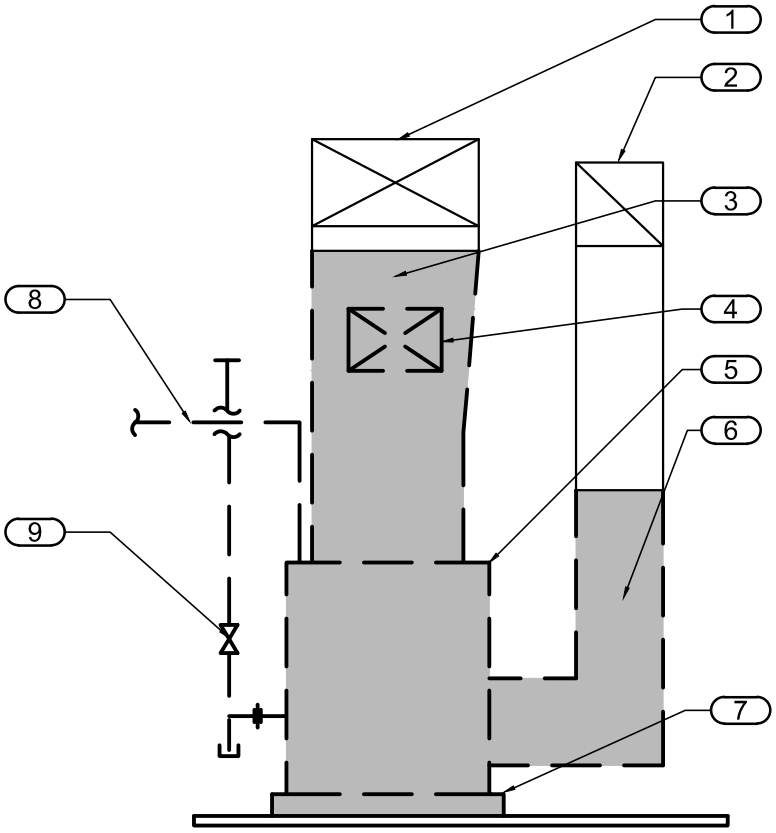
Date : JULY 2026

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DETAIL SHEET 38.1

Feb 07, 2020 – 4:00pm
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KEY NOTES:

1. EXISTING SUPPLY AIR MAIN DUCT TO REMAIN IF REQUIRED. MODIFY DUCT WORK IF REQUIRED TO INSTALL NEW FURNACE
2. EXISTING RETURN AIR MAIN DUCT TO REMAIN IF REQUIRED IN FIELD. MODIFY DUCT WORK IF REQUIRED TO INSTALL NEW FURNACES
3. REMOVE AS MUCH SUPPLY PLENUM AS NEEDED
4. REMOVE SUPPLY AIR REGISTER AND REINSTALL IN NEW PLENUM
5. REMOVE FURNACE AND ACCESSORIES
6. REMOVE RETURN AIR DUCT AS REQUIRED TO CONNECT NEW FURNACE. VERIFY SIZE IN FIELD
7. REMOVE PAD. SEE SPECIFICATIONS FOR NEW PAD
8. REMOVE EXISTING FLUE UP TO MASONRY CHIMNEY AND CAP FLUE AT MASONRY CHIMNEY AS REQUIRED BY LOCAL BUILDING DEPARTMENT
9. REMOVE EXISTING GAS LINE AND SHUT OFF VALVE AS REQUIRED UP TO OVERHEAD LOCATION

EXISTING CONSTRUCTION

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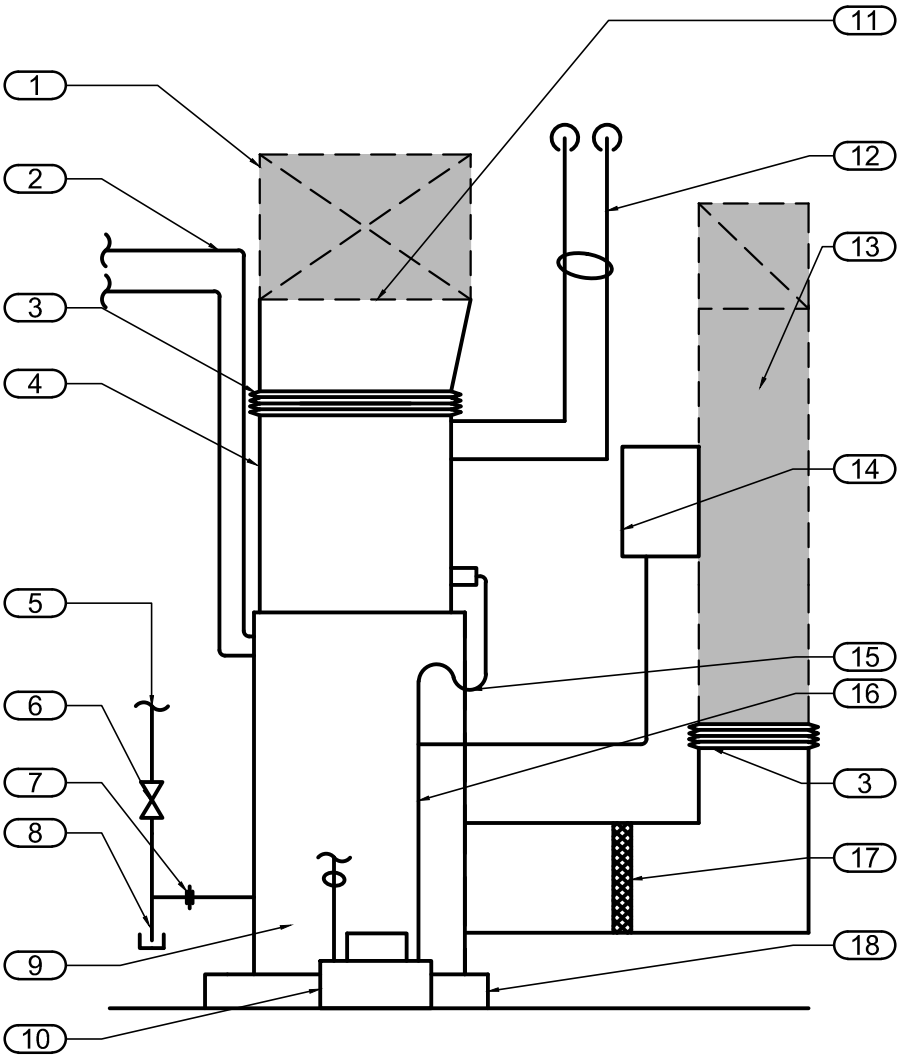
EXISTING FURNACE DEMOLITION

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 50

Feb 07, 2020 – 4:00pm
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KEY NOTES:

1. SUPPLY AIR MAIN DUCT
2. NEW FLUE TO OUTSIDE (80% TO CHIMNEY OR B VENT)
3. NEW FLEX CONNECTION WHERE REQUIRED
4. NEW COOLING COIL
5. CONNECT NEW GAS LINE TO EXISTING GAS MAIN AS REQUIRED IN FIELD
6. SHUT OFF VALVE
7. UNION
8. DIRT LEG
9. NEW FURNACE
10. NEW CONDENSATE PUMP
11. NEW SHEET METAL CONNECTION. MAKE TRANSITION AS REQUIRED IN FIELD. PROVIDE NEW SUPPLY AIR DUCT AND BRANCHES IF REQUIRED. MODIFY SUPPLY AIR DUCT WORK IF REQUIRED
12. REFRIGERANT PIPING
13. PROVIDE RETURN AIR DUCTS AND MODIFY R.A. DUCTS AS REQUIRED
14. NEW HUMIDIFIER IS APPLICABLE
15. TRAP
16. NEW 3/4" PVC DRAIN
17. NEW FILTER RACK WITH CAP
18. NEW 2" PRE-MANUFACTURED PAD IF APPLICABLE

GENERAL NOTES:

- DETAIL IS INTENDED TO COMPLIMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

EXISTING CONSTRUCTION

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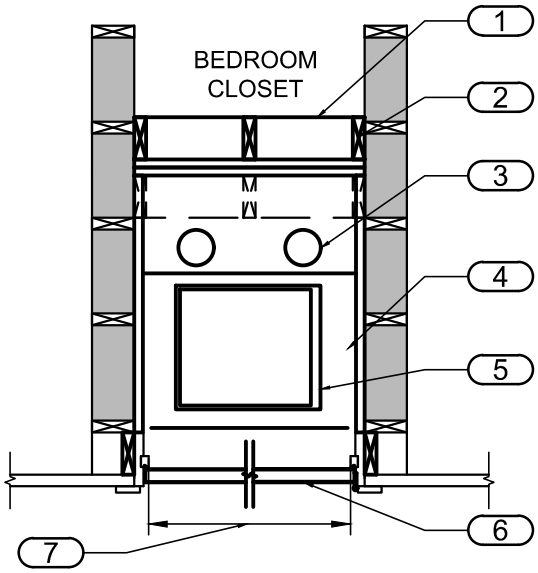
NEW 90% EFFICIENCY FURNACE INSTALLATION (80% SIM.)

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

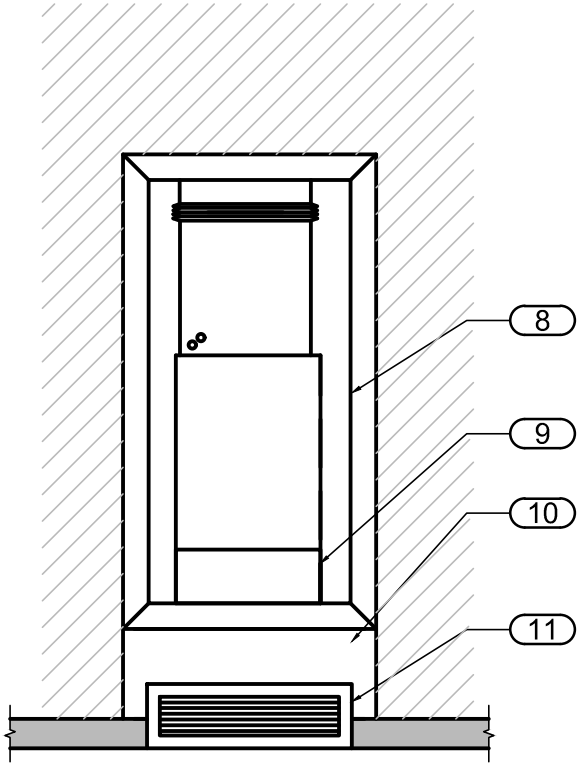
DETAIL SHEET 52

Feb 07, 2020 – 4:00pm
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PLAN



ELEVATION

KEY NOTES:

1. NEW CLOSET WALL ENLARGEMENT OR CHASE
2. NEW 2" X 4" STUD FRAMING (TYP.)
3. ERV 6" ROUND DUCTWORK TO RETURN AIR
4. 1 /2" GWB (TYP.)
5. NEW FURNACE
6. NEW INTERIOR DOOR LEAF
7. PROVIDE DOOR OPENING SIZE A MINIMUM OF 2" WIDER THAN FURNACE/COOLING COIL CABINET WIDTH.
8. NEW TRIM TO MATCH EXISTING (IF NEEDED)
9. NEW ELECTRONIC AIR CLEANER (RAISED IF NEEDED)
10. NEW RAISED MECHANICAL PLATFORM (IF NEEDED)
11. NEW BASEBOARD RETURN AIR GRILLE (IF NEEDED)

GENERAL NOTES:

- DETAIL IS INTENDED TO COMPLIMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
- FRAME, PATCH, AND FINISH EXISTING GWB AS CLOSELY AS POSSIBLE TO EXISTING CONDITIONS.
- CLOSET FLOORING MAY NEED TO BE REPLACED. THE NEED FOR NEW FLOORING WILL NEED TO BE VERIFIED BY EXISTING CONDITIONS.

EXISTING CONSTRUCTION

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NEW FURNACE IN CLOSET INSTALLATION

Scale : NOT TO SCALE			DETAIL SHEET 52
Date : JULY 2026			
Drawn by: BBB	Checked by: WMH		SHEET 2

Feb 07, 2020 – 4:00pm
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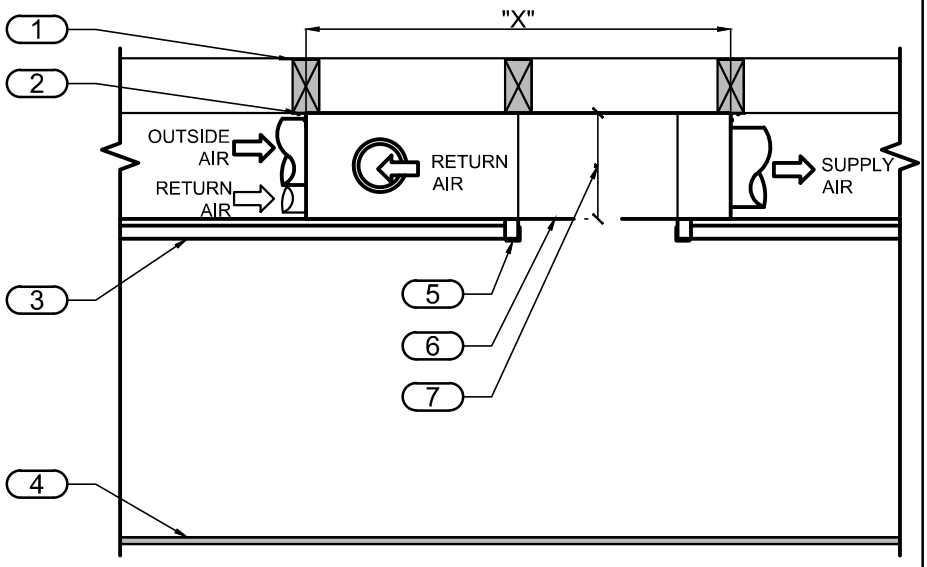
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KEY NOTES:

1. CEILING JOISTS
2. L-BRACKET SECURED TO CEILING JOISTS
3. TYPE "X" GWB. FINISH TO MATCH EXISTING CONDITIONS AND FINISHES
4. FINISHED FLOOR
5. CORNER BEAD
6. ACCESS PANEL TO FILTER & MOTOR
7. MAY VARY ACCORDING TO MANUFACTURER'S DIMENSIONS

INSTALLATIONS:

A. CEILING MOUNT
B. MOUNTING AGAINST WALL
C. HORIZONTAL ON ATTIC FLOOR WITH RUBBER VIBRATION ISOLATORS.



SECTION VIEW

GENERAL NOTES:

- SIZE UNIT & DUCTWORK PER CONTRACT SPECIFICATIONS (DIVISION 15).
- DUCTWORK & INSULATION SHALL COMPLY WITH CONTRACT SPECIFICATIONS.
- LOCATION OF BLENDING VENTILATOR UNITS MAY VARY DUE TO FIELD CONDITIONS & SPACE AVAILABLE.
- INSULATED DUCTING MUST BE USED WHERE EXPOSED TO COLD ATTIC OR CRAWL SPACE TEMPERATURES. ALL OUTSIDE AIR DUCTWORK SHALL BE INSULATED PER CONTRACT SPECIFICATIONS.
- PROVIDE CUT OUTS/ACCESSES FOR MAINTENANCE ACCESS. ACCESSES SHALL BE FLANGED TO PROVIDE TIGHT SEAL AT OPENINGS.
- PROVIDE ACCESS WALKWAY FROM EXISTING ATTIC ACCESS TO UNIT WHEN VENTILATOR IS SCHEDULED FOR ATTIC INSTALLATION. WALKWAY SHALL BE AS DESCRIBED IN ATTIC-MOUNTED FURNACE DETAILS, IN THIS PROJECT MANUAL.
- DETAIL IS INTENDED TO COMPLIMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

EXISTING CONSTRUCTION

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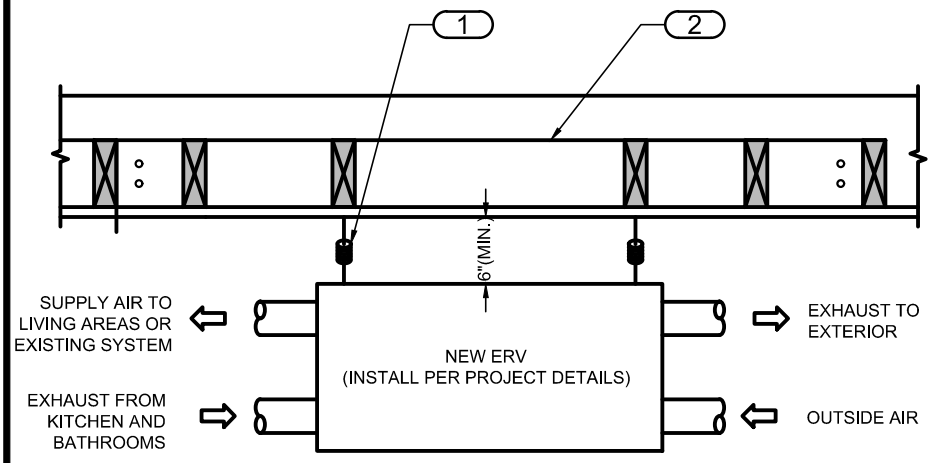
BLENDING VENTIALTOR

Scale :	NOT TO SCALE
Date :	JULY 2026
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Checked by:	WMH

DETAIL SHEET
60.1

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KEY NOTES:

1. MECHANICALLY FASTEN FRAMING TO JOIST (TYP.)
2. CEILING JOIST (TYP.)

GENERAL NOTES:

- SIZE UNIT & DUCTWORK PER CONTRACT SPECIFICATIONS (DIVISION 15)
- DUCTWORK & INSULATION SHALL COMPLY WITH CONTRACT SPECIFICATIONS.
- LOCATION OF ENERGY RECOVERY UNITS MAY VARY DUE TO FIELD CONDITIONS & SPACE AVAILABLE.
- INSULATED DUCTING MUST BE USED WHERE EXPOSED TO COLD ATTIC OR CRAWL SPACE TEMPERATURES. ALL OUTSIDE AIR DUCTWORK SHALL BE INSULATED PER CONTRACT SPECIFICATIONS.
- PROVIDE CUT OUTS/ACCESSES FOR MAINTAINANCE ACCESS. ACCESSES SHALL BE FLANGED TO PROVIDE TIGHT SEAL AT OPENINGS.
- PROVIDE ACCESS WALKWAY FROM EXISTING ATTIC ACCESS TO UNIT WHEN VENTILATOR IS SCHEDULED FOR ATTIC INSTALLATION. WALKWAY SHALL BE AS DESCRIBED IN ATTIC-MOUNTED FURNACE DETAILS, IN THIS PROJECT MANUAL.
- DETAIL IS INTENDED TO COMPLIMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

EXISTING CONSTRUCTION

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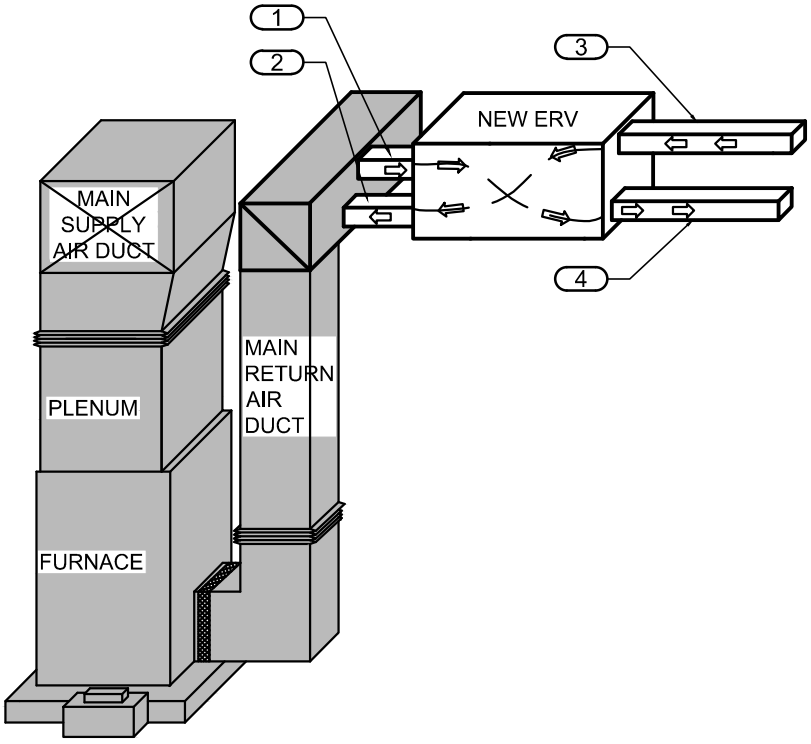
ENERGY RECOVERY VENTILATOR

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET
60.2
SHEET 1

Feb 07, 2020 – 4:01pm
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KEY NOTES:

1. INDOOR AIR. SEE NOTE BELOW.
2. FRESH SUPPLY AIR FROM ERV. SEE NOTE BELOW
3. FRESH OUTSIDE AIR TO BE LOCATED ON FLOOR PLAN(S)
4. EXHAUST AIR FROM HOME TO BE LOCATED ON FLOOR PLAN(S)

GENERAL NOTES:

- CONNECT ERV DUCTWORK TO FURNACE DUCTWORK IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

EXISTING CONSTRUCTION

RESIDENTIAL SOUND INSULATION PROGRAM

ERV INTIGRATION WITH FORCED AIR SYSTEM

Scale : NOT TO SCALE

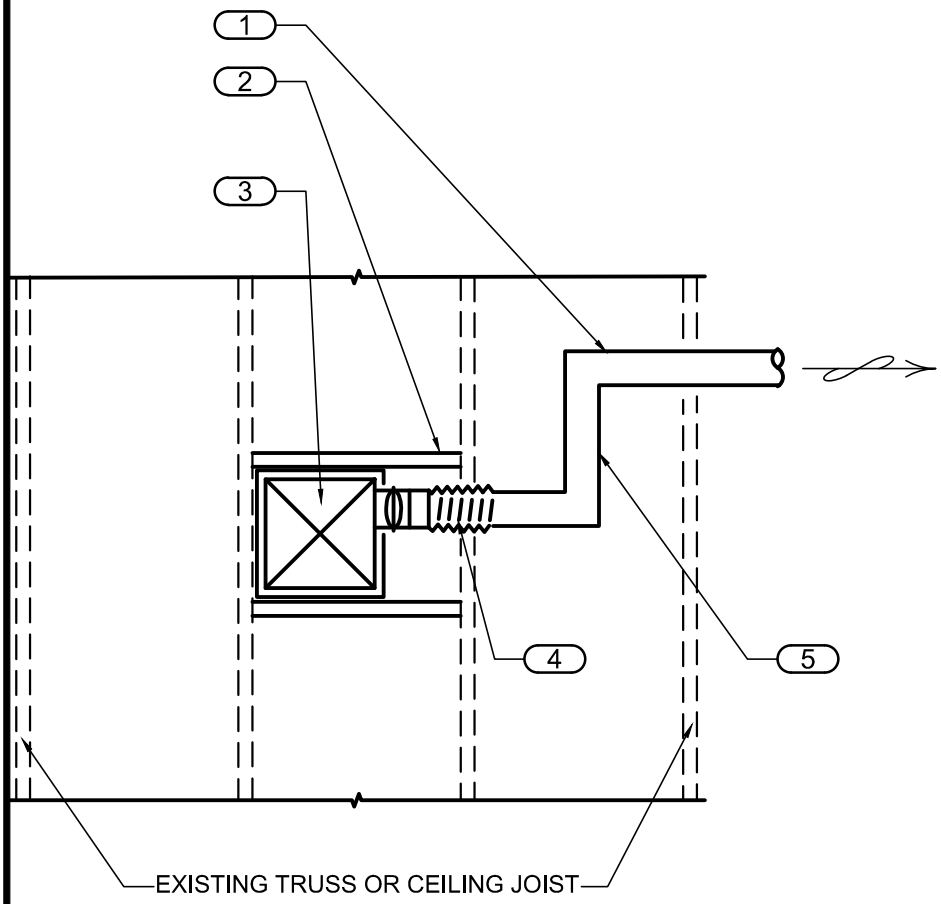
Date : JULY 2026

Drawn by: BBB Checked by: WMH

DETAIL SHEET 60.2 SHEET 2

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KEY NOTES:

1. TERMINATE TO EXTERIOR
2. PROVIDE 2X4 CROSS MEMBERS FOR FAN SUPPORT AS REQUIRED
3. CEILING MOUNTED EXHAUST FAN WITH BACK DRAFT DAMPER
4. 1'-0" OF FLEXIBLE DUCTWORK
5. RIGID METAL DUCTWORK

GENERAL NOTES:

- PROVIDE NEW MANUAL STARTER SWITCH
- ROUTE POWER FROM DEDICATED CIRCUIT AT ELECTRICAL PANEL TO FAN
- ALL DUCTWORK SHALL BE INSULATED PER DIVISION 15

EXISTING CONSTRUCTION

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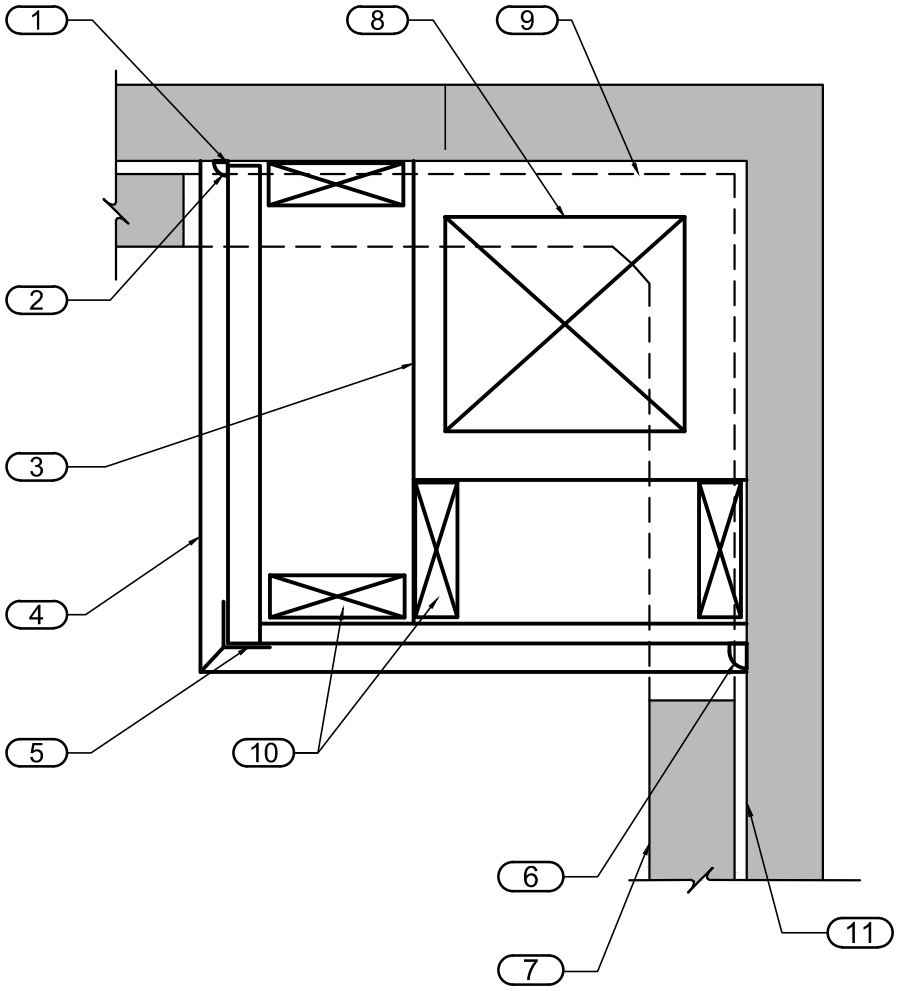
EXHAUST FAN INSTALLATION

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

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KEY NOTES:

1. 1/4" BACKER ROD WITH ACOUSTIC SEALANT FLOOR TO CEILING
2. TIE NEW BASE BOARD INTO EXISTING
3. PROVIDE NEW 1 1/2" X 1 1/2" METAL COLLAR AROUND DUCT AT FLOOR AND CEILING
4. NEW BASE & CROWN TO MATCH EXISTING
5. 1 1/4" CONTINUOUS METAL CORNER BEAD (TYP.)
6. NEW QUARTER ROUND MOLDING IN FRONT OF SEALANT AS REQUIRED. MAINTAIN 1/8" CLEARANCE BETWEEN NEW GWB AND WALL
7. BASEBOARD
8. NEW DUCT
9. WHEN PRESENT, REMOVE PORTION OF EXISTING BASEBOARD RADIATOR AND RE-ROUTE PIPES AND BASEBOARD COVER AS REQUIRED TO ACCOMMODATE NEW DUCT ENCLOSURE. PATCH HOLES IN FLOOR.
10. NEW DUCT ENCLOSURE 2X4 WOOD STUDS AT 16" O.C. WITH ONE LAYER OF 5/8" GWB.
11. FACE OF EXISTING OR NEW WALL.

GENERAL NOTES:

- PROVIDE 2" X 3" CONTINUOUS WOOD PLATE AT FLOOR AND CEILING.
- REMOVE, ADJUST AND REINSTALL EXISTING WALL PANELING, TILE, WAINSCOTING, OR OTHER WALL FINISH AS REQUIRED. REINSTALL OVER NEW DUCT ENCLOSURE. PROVIDE NEW TO MATCH EXISTING WHERE NOT REUSABLE.
- ITEMS AS REQUIRED TO ACCOMMODATE NEW DUCT. RELOCATE ELECTRICAL OUTLETS, SWITCHES, AND OTHER ENCLOSURE.

EXISTING CONSTRUCTION

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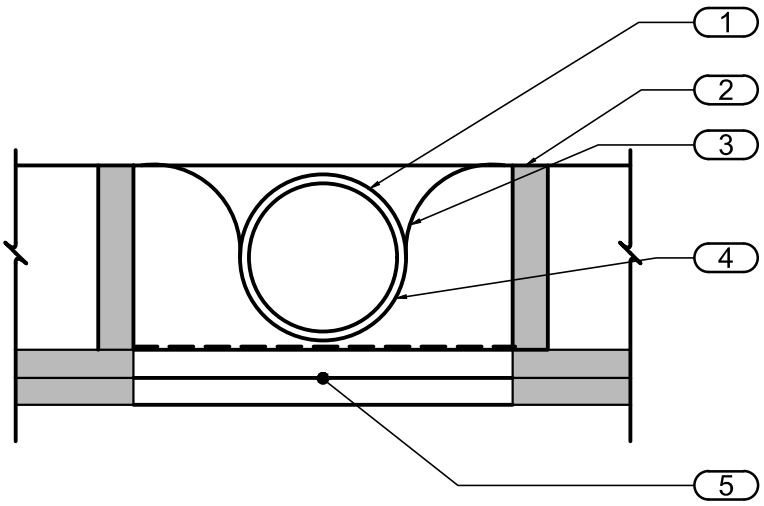
NEW DUCT ENCLOSURE AT EXISTING CORNER WALLS

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET 62.1 SHEET 1

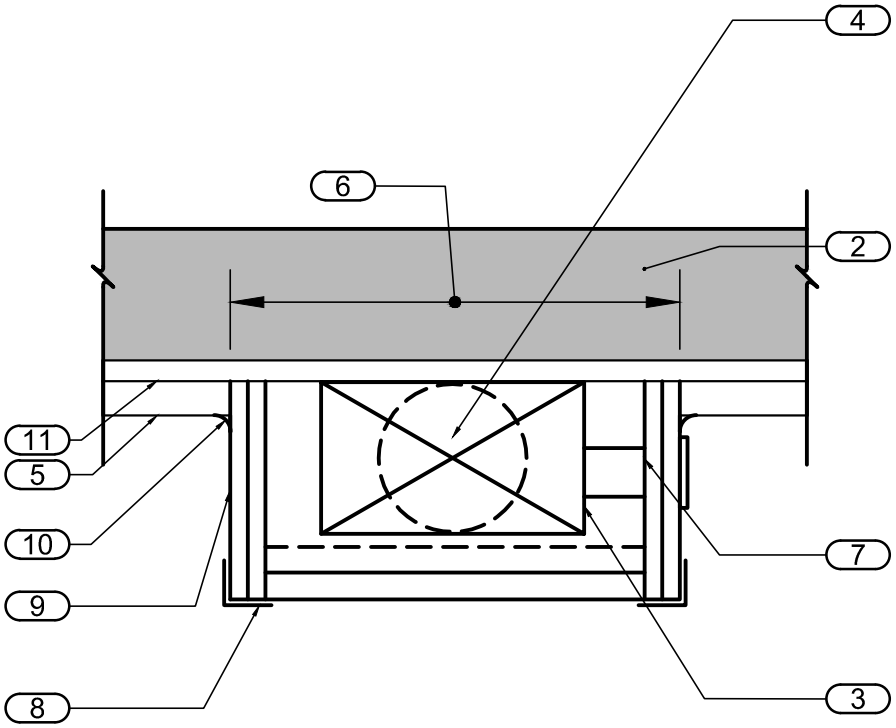
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SECTION

(DUCT RUNS PARALLEL TO JOISTS)



SECTION

(DUCT RUNS PERPENDICULAR TO JOISTS)

KEY NOTES:

1. INSULATED ROUND DUCT
2. EXISTING JOIST
3. METAL DUCT STRAPS AT 24" O.C. SECURED TO JOISTS.
4. METAL DUCT SIZE VARIES PROVIDE MINIMUM OF 1" CLEARANCE AROUND
5. DUCT AND INSULATION.
6. NEW CEILING CONSTRUCTION TO
7. MATCH EXISTING (TIE INTO EXISTING CEILING).
8. REMOVE CEILING MATERIAL FOR INSTALLATION OF DUCTWORK FLUSH AGAINST JOISTS.
9. 2X2 WOOD STUDS AT 16" O.C.
10. SECURED TO JOISTS
11. 1 1/4" CONTINUOUS METAL CORNER BEAD (TYP.)
12. NEW 5/8" GWB X2 (TYP.)
13. TAPE INSIDE CORNER (TYP.)
14. EXISTING

GENERAL NOTES:

- REMOVE PORTION OF CEILING AS REQUIRED FOR INSTALLATION OF NEW DUCT. PROVIDE NEW AND PATCH TO MATCH EXISTING TO COMPLETE INSTALLATION.
- PROVIDE 8" X 8" METAL PREFABRICATED ACCESS PANEL AT AN ALL VOLUME DAMPER LOCATIONS FOR ACCESS AND ADJUSTMENT.
- REMOVE, ADJUST AND REINSTALL EXISTING CEILING TILES AND/OR GRID FOR INSTALLATION OF NEW DUCTWORK AND/OR ENCLOSURE.
- PROVIDE TWO-SIDED ENCLOSURE AT A VERTICAL SURFACE.

EXISTING CONSTRUCTION

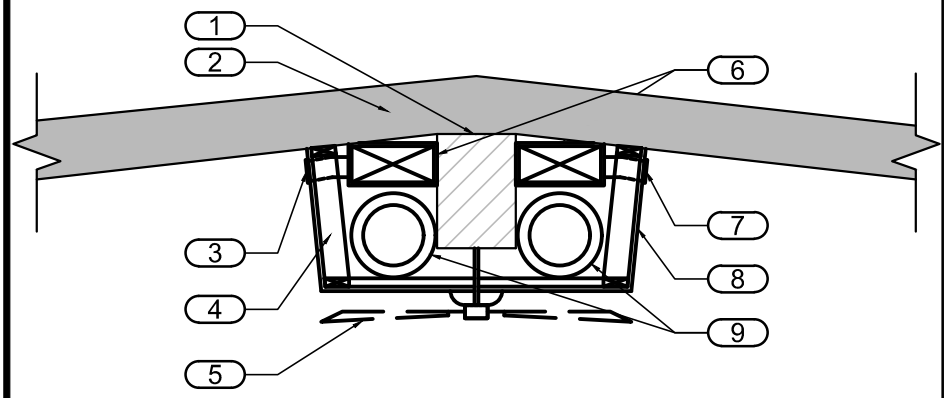
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NEW DUCT ENCLOSURE AT EXISTING CEILING

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Date : JULY 2026			62.1
Drawn by: BBB	Checked by: WMH		SHEET 2

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KEY NOTES:

1. ROOF BEAM
2. CEILING/ROOF
3. NEW SUPPLY GRILLE
4. 2X FRAMING (TYP.)
5. NEW CEILING FAN WHERE APPLICABLE
6. NEW SUPPLY AND RETURN AIR DUCTS
7. NEW RETURN GRILLE
8. 1/2" GWB (TYP.)
9. NEW ERV DUCTS

GENERAL NOTES:

- HOLD SOFFIT FRAMING TO MINIMUM DEPTH POSSIBLE.
- ROOF PITCH AND EXISTING CONDITIONS VARY. FIELD VERIFY PRIOR TO CONSTRUCTION.

EXISTING CONSTRUCTION

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BEAM DUCT ENCLOSURE

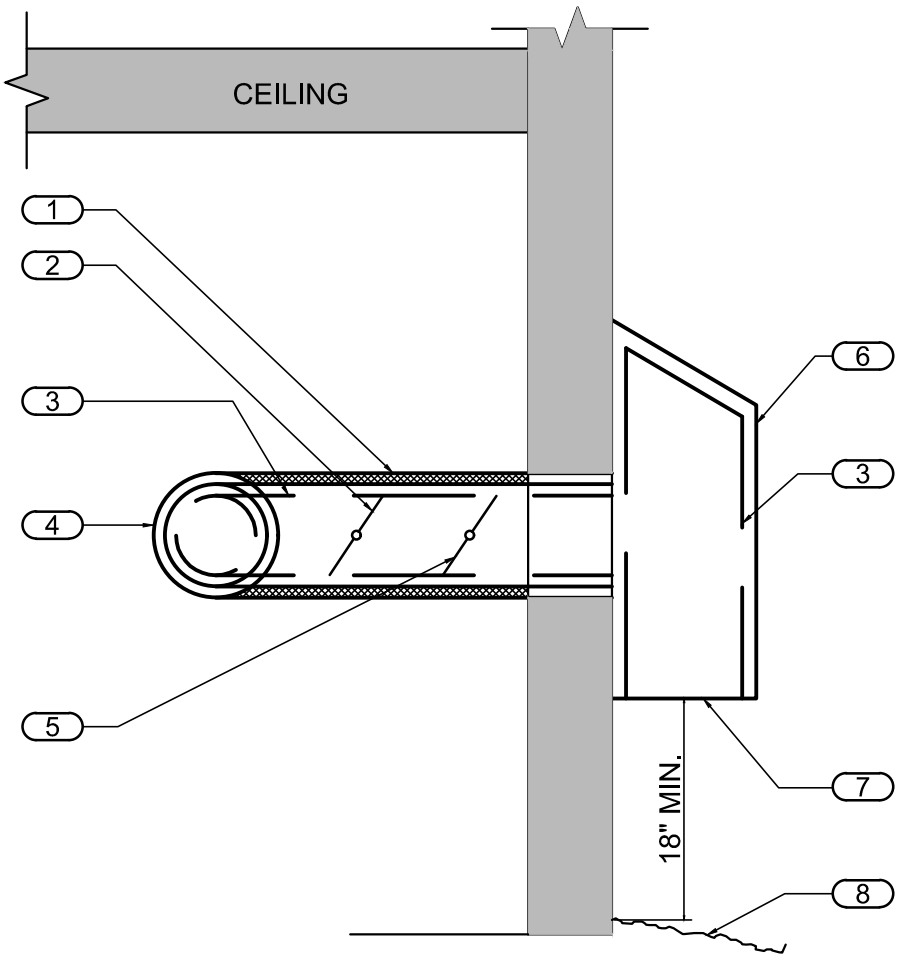
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Date :	JULY 2026
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DETAIL SHEET
62.1
SHEET 3

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SECTION



KEY NOTES:

1. AIR INTAKE DUCT
2. NEW MANUAL LOCKING QUADRANT DAMPER (PROVIDE FOR FURNACE SYSTEMS ONLY)
3. 1" SOUND LINING
4. 1 1/2" INSULATION W/ VAPOR BARRIER
5. NEW MOTORIZED AUTOMATIC AIR DAMPER WITH BLADE EDGE SEALS (PROVIDE FOR FURNACE AND BLENDING VENTILATOR SYSTEMS ONLY)
6. 3/4" T-111 SOUND HOOD 22" WIDE
7. 5" X 16" INTAKE OPENING WITH MESH SCREEN
8. GRADE

EXISTING CONSTRUCTION

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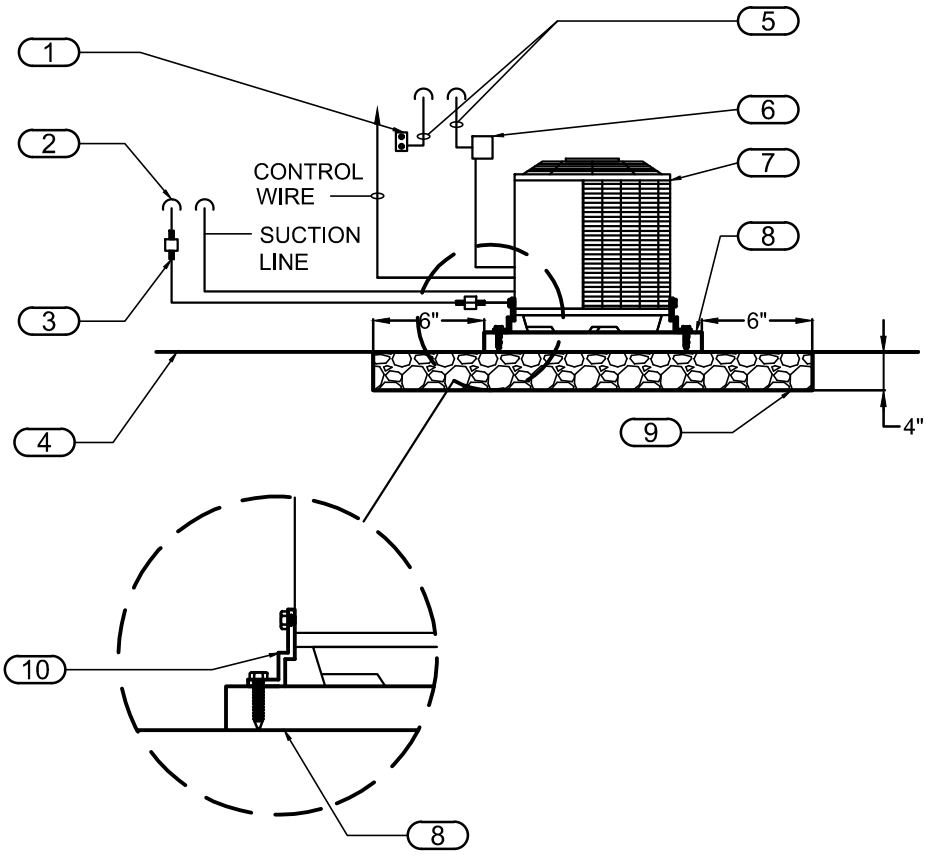
OUTSIDE AIR INTAKE

Scale :	NOT TO SCALE
Date :	JULY 2026
Drawn by:	BBB
Checked by:	WMH

DETAIL SHEET
63.2

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KEY NOTES:

1. NEW GFI SERVICE RECEPTACLE
2. EXTERIOR PENETRATION
3. NEW LIQUID LINE FILTER DRYER
4. EXISTING GRADE
5. ELECTRICAL SERVICE LINES IN AND OUT OF HOME
6. NEW FUSED DISCONNECT
7. NEW CONDENSING UNIT
8. NEW PRE-FABRICATED PAD
9. 4" COMPACTED GRAVEL
10. NEW SEISMIC TIE (TYP. OF 4)
11. NEW PRE-FABRICATED PAD

GENERAL NOTES:

- NEW CONDENSING UNIT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION
- REMOVE GRASS AND DIRT TO SPREAD GRAVEL.
- PREFABRICATED PAD SHALL BE 2" HIGH AND SHALL HAVE A MINIMUM 12" CLEARANCE AROUND CONDENSING UNIT.
- LIQUID LINE FILTER DRYER TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.

EXISTING CONSTRUCTION

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RESIDENTIAL SOUND INSULATION PROGRAM

NEW CONDENSER UNIT INSTALLATION

Scale : NOT TO SCALE

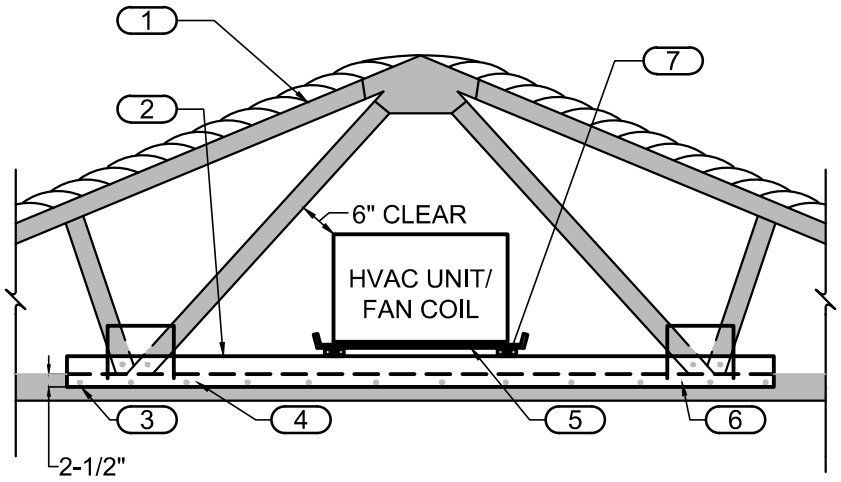
Date : JULY 2026

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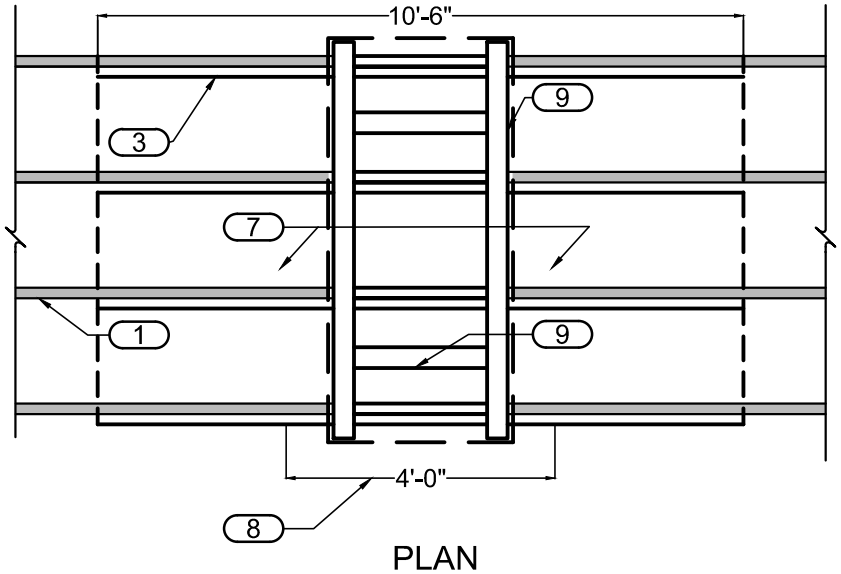
DETAIL SHEET 70

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SECTION



PLAN

KEY NOTES:

1. WOOD TRUSS 2' O.C. (TYP.)
2. SCREW AND GLUE 1/2" PLYWOOD TO WOOD JOISTS
3. 2X6 (TYP. OF 4)
4. SCREW AND GLUE. USE PLYWOOD SHIMS
5. PROVIDE PREFABRICATED DRIP PAN. CONNECT TO CONDENSATE DRAIN LINE.
6. 3 SCREWS AT PANEL (TYP.)
7. 3/4" PLYWOOD FLOORING
8. EXTEND 4' WIDE PLYWOOD FLOORING/ WALKWAY/ FROM HVAC UNIT TO ACCESS STAIR
9. 2X4 (TYP. OF 2)

GENERAL NOTES:

- DETAIL IS INTENDED TO COMPLIMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

EXISTING CONSTRUCTION

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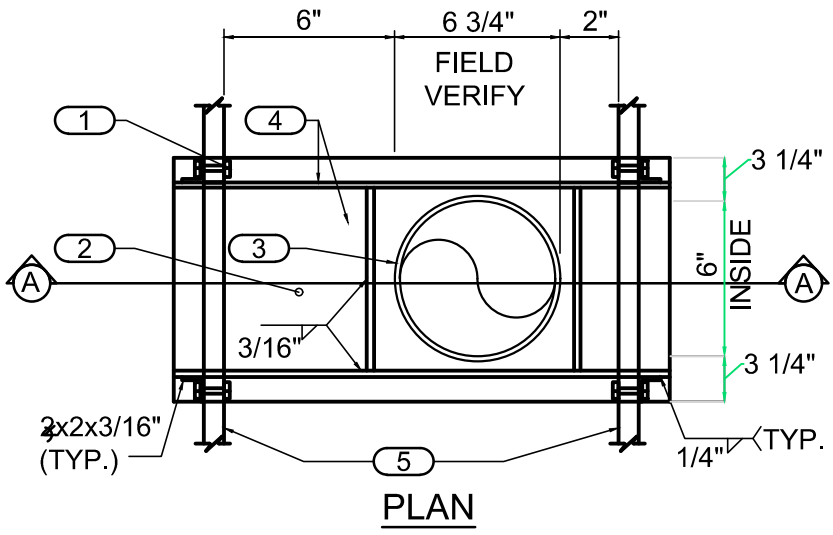
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HVAC UNIT
ATTIC INSTALLATION

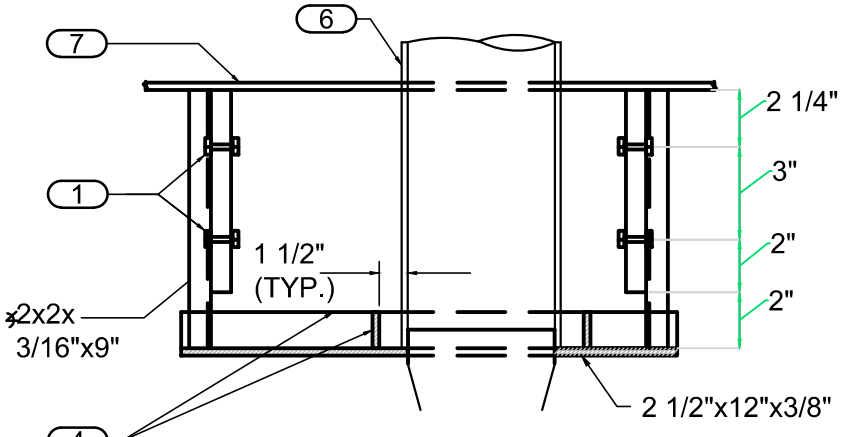
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Date : JULY 2026			71
Drawn by: BBB	Checked by: WMH		

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PLAN



SECTION A
NOT TO SCALE

KEY NOTES:

1. 1/2" DIA. BOLT WITH NUT & WASHERS (TYP.)
2. 3/8" STEEL PLATE
3. CONCRETE PIPE
4. 1 1/2" X 1/4" STEEL BAR STOCK (TYP.)
5. FLOOR JOIST
6. CONCRETE PIPE
7. FLOOR

GENERAL NOTES:

- SEE DETAIL #30 FOR STRUCTURAL SUPPORT NOTES

EXISTING CONSTRUCTION

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TRANSITE STACK STRUCTURAL SUPPORT

Scale :	NOT TO SCALE
Date :	JULY 2026
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DETAIL SHEET 84 SHEET 1

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GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSION, ELEVATION, AND CONDITIONS AT THE JOB SITE PRIOR TO MATERIAL FABRICATION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

2. CONTRACTOR TO PROVIDE TEMPORARY SUPPORT FOR THE EXISTING CONCRETE CHIMNEY DURING THE INSTALLATION OF THE NEW STEEL SUPPORT.

3. STRUCTURAL AND MISCELLANEOUS STEEL ASTM A36.

4. STEEL CONNECTION BOLTS ASTM A307.

5. WELDING: E70XX ELECTRODES

6. PAINT TWO COATS RUSTOLEUM.

7. SUBMIT FABRICATION DRAWINGS TO ENGINEER PRIOR TO FABRICATION.

8. THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL ELEMENTS ASSOCIATED WITH THE SUPPORT INSTALLATION.

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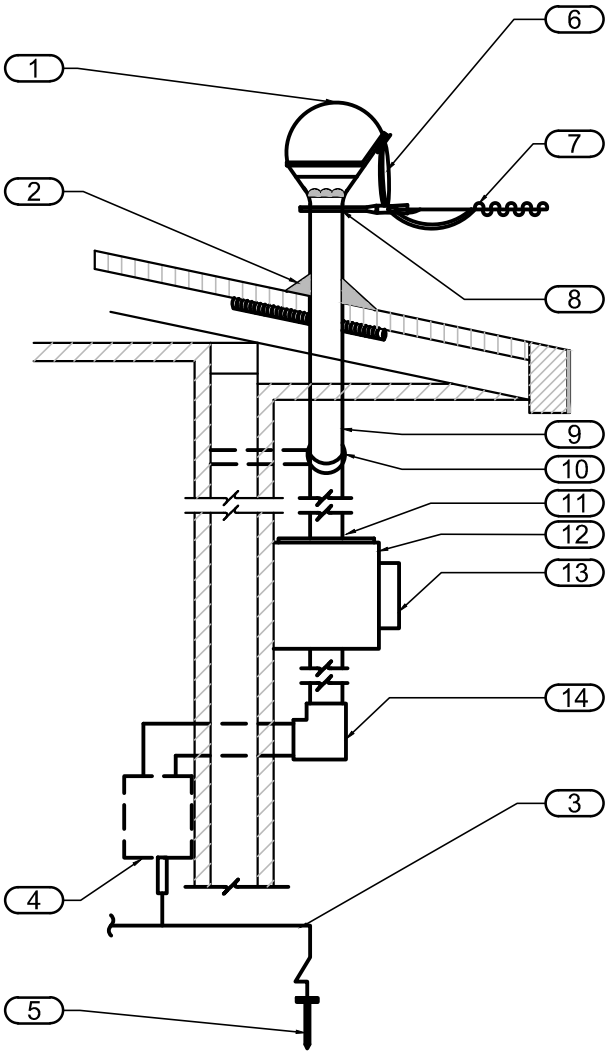
TRANSITE STACK
STRUCTURAL SUPPORT NOTES

Scale : NOT TO SCALE
Date : JULY 2026
Drawn by: BBB
Checked by: WMH

DETAIL SHEET
84
SHEET 2

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KEY NOTES:

1. WEATHER HEAD
2. ROOF FLASHING WITH WATERTIGHT CONNECTION BY CONTRACTOR
3. GROUNDING SYSTEM CONDUCTOR
4. LOAD CENTER
5. GROUNDING ROD
6. SERVICE WIRE SHALL PROJECT AT LEAST 3 FT. FROM WEATHER HEAD FOR CONNECTION BY UTILITY COMPANY TO SERVICE DROP
7. SERVICE DROP CLEARANCE TO BE 12 FT. (MIN) ABOVE GRADE AND 18 FT. ABOVE ALL ALLEYS, DRIVEWAYS, AND AREAS SUBJECT TO TRUCK USE
8. WIRE HOLD 13 FT. (MIN) CLEARANCE ABOVE GRADE
9. RIGID GALVANIZED STEEL
10. CONDUIT STRAPS AS REQUIRED BY N.E.C.
11. WATER TIGHT CONNECTION
12. OUTDOOR METER TROUGH
13. METER HEIGHT TO BE 4 FT. (MIN) / 6 FT. (MAX) FROM FINISHED GRADE
14. LB CONDUIT FITTING

MAINTAIN 3 FT. MIN. CLEARANCE AROUND MAST

MATERIAL	SUPPLIED BY	INSTALLED BY
SERVICE DROP	U.C.	U.C.
WEATHER HEAD	E.C.	E.C.
INSULATED CLEVIS	E.C.	E.C.
ROOF FLASHING	E.C.	E.C.
CONDUIT	E.C.	E.C.
STRAPS AND BOLT	E.C.	E.C.
WATER TIGHT CONN.	E.C.	E.C.
CONDUCTOR	E.C.	E.C.
METER SOCKET	U.C.	U.C.
METER	E.C.	E.C.
SERVICE EQUIPMENT	E.C.	E.C.
GROUND EQUIPMENT	E.C.	E.C.

E.C. - ELECTRICAL CONTRACTOR
U.C. - UTILITY COMPANY

EXISTING CONSTRUCTION

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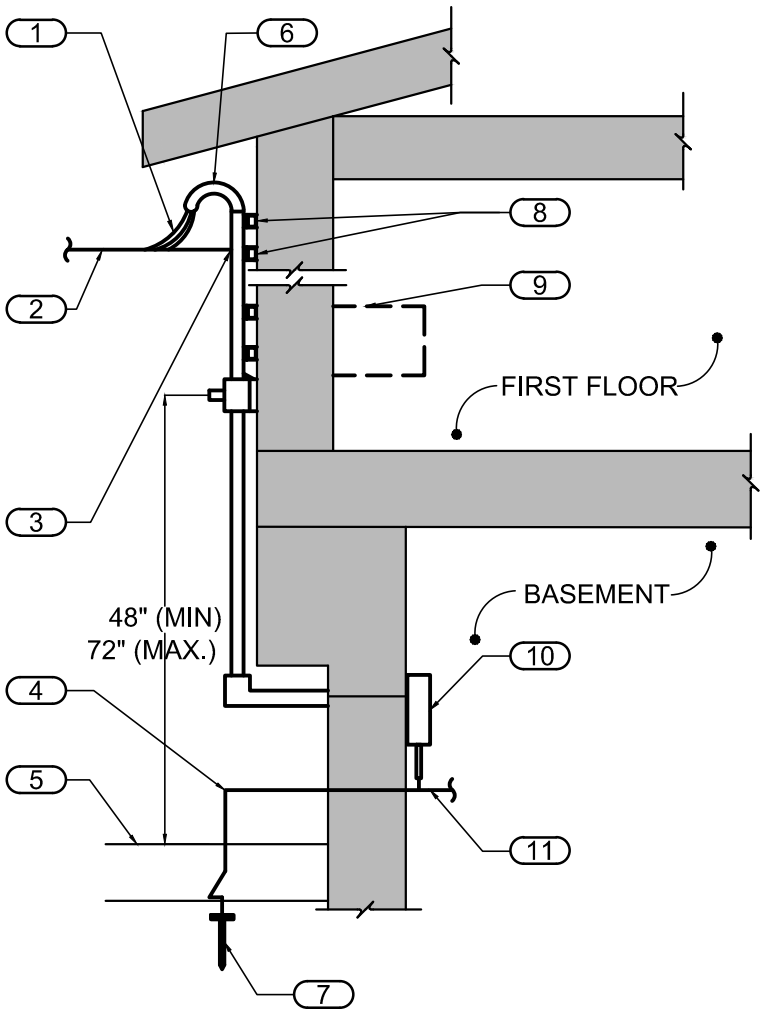
SERVICE MAST

Scale : NOT TO SCALE
Date : JULY 2026
Drawn by: BBB
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DETAIL SHEET
90

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KEY NOTES:

1. CABLE WIRE SHALL PROJECT AT LEAST 3" FROM WEATHER HEAD FOR CONNECTION BY COMPANY TO SERVICE DROP
2. SERVICE DROP CLEARANCES TO BE 12' (MIN) ABOVE GRADE AND 18' ABOVE ALL ALLEYS, DRIVEWAYS AND AREAS SUBJECT TO TRUCK USE
3. WIRE HOLD 13' (MIN) CLEARANCE ABOVE GRADE
4. GROUNDING SYSTEM CONDUCTOR
5. FINISHED GRADE
6. WEATHER HEAD
7. GROUND ROD
8. CONDUIT SUPPORTS AS REQUIRED BY N.E.C. (TYP.)
9. ALTERNATE LOCATION FOR LOAD CENTER
10. LOAD CENTER
11. GROUND TO WATER METER

MAINTAIN 3 FT. MIN. CLEARANCE AROUND MAST

MATERIAL	SUPPLIED BY	INSTALLED BY
SERVICE DROP	U.C.	U.C.
WEATHERHEAD	E.C.	E.C.
WIREHOLDER	E.C.	E.C.
SERVICE WIRE CABLE OR CONDUIT AND STRAP	E.C.	E.C.
WATER TIGH CONN.	E.C.	E.C.
METER SOCKET	E.C.	E.C.
METER	U.C.	U.C.
SERVICE EQUIPEMENT	E.C.	E.C.
GROUND EQUIPEMENT	E.C.	E.C.

E.C. - ELECTRICAL CONTRACTOR
U.C. - UTILITY COMPANY

EXISTING CONSTRUCTION

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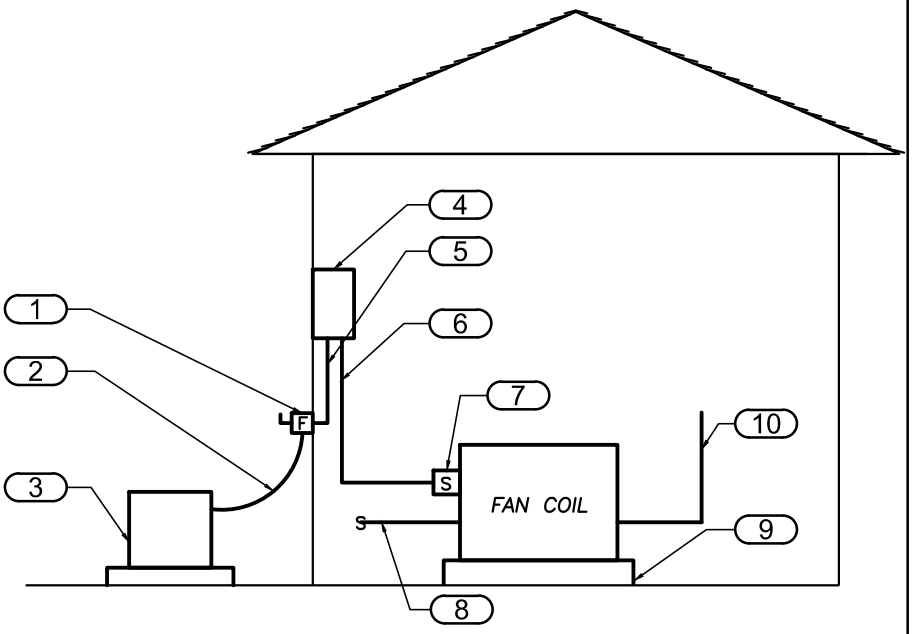
OVERHEAD SERVICE

Scale : NOT TO SCALE
Date : JULY 2026
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Checked by: WMH

DETAIL SHEET
91

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KEY NOTES:

1. FUSED DISCONNECT SWITCH FOR CONDENSING UNIT
2. LIQUID TITE FLEX CONDUIT WITH WIRE FOR CONDENSING UNIT
3. CONDENSING UNIT
4. ELECTRICAL PANEL
5. WIRE AND CONDUIT FOR CONDENSING UNIT
6. WIRE AND CONDUIT FOR FURNACE CONTROL
7. 2" X 4" SWITCH
8. CONTROL WIRE TO CONDENSING UNIT
9. NEW 2" PRE-MANUFACTURED PAD
10. CONTROL WIRE

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RESIDENTIAL SOUND INSULATION PROGRAM

TYPICAL ELECTRICAL CONNECTION FOR MECHANICAL EQUIPMENT

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DETAIL SHEET 92

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