



## Historic Review Commission of Pittsburgh

200 Ross Street, First Floor Hearing Room

October 3, 2012

### AGENDA

(Vacant), *Chairman*

Ernie Hogan, *Acting Chairman*

Noor Ismail, *Director of Planning*

John Jennings, *Secretary, Acting Chief BBI*

Linda McClellan

Joe Serrao

Vacant

➤ **12:30 PM CALL TO ORDER**

➤ **12:30 PM INTERNAL BUSINESS**

Old Business

- None

New Business

- Approval of the Minutes from the July and September 2012 hearing
- Certificates of Appropriateness Report – September
- Applications for a Certificate of Economic Hardship – None
- Possible Training Topic for Commissioners
- Meeting Schedule for 2013

Upcoming Demolitions, no action at this time

- None

➤ **1:00 PM HEARING & ACTION**

**1. Allegheny West Historic District**

853 Beech Avenue  
BNG Diamond Properties, owner and applicant  
**Structural repair**

**2. Allegheny West Historic District**

939 Beech Avenue  
Calgary United Methodist Church, owner  
Reverend Larry Homitsky, applicant  
**Installation of fencing**

**3. Allegheny West Historic District**

954 W. North Avenue  
Diana Brown, owner  
Marshall Brown, applicant  
**Porch construction**

**4. Historic Garden Theater**

12 West North Avenue  
Urban Redevelopment Authority, owner  
Indovina Associates, Applicant  
**Alteration to rear of building**

**5. Manchester Historic District**

1322-1324 and 1332-1334 Columbus Avenue  
Manchester Housing Development, LLC, owner  
and applicant  
**Fencing**

**6. Market Square Historic District**

435 Market Square  
Landmarks Development Corporation, owner  
LDA Architects, applicant  
**Façade renovations**

**7. Mexican War Streets Historic District**

618 – 620 N. Taylor Avenue  
Todd Meyer, owner and applicant  
**Restoration of storefronts**

**8. Murray Hill Historic District**

1168 Murray Hill Avenue  
Cliff and Rosanne Levine, owners  
Harry Levine, applicant

---

**After-the-fact porch demolition and porch reconstruction**

**9. Penn-Liberty Historic District**

901 Penn Avenue

Albert Bortz, owner

Allegheny Construction Management, applicant

**Expansion of stair tower**

➤ **DEMOLITIONS**

➤ **DIRECTOR'S REPORT**

- **TRAINING FOR URA PROJECT MANAGERS**
- **HISTORIC REHABILITATION TAX CREDIT WORKSHOP FOR DEVELOPERS**

➤ **ADJOURNMENT**

**FOR PUBLIC COMMENT ONLY** -

**1. SCHENLEY FARMS HISTORIC DISTRICT  
NATIONAL REGISTER NOMINATION**

**2. JOHN A. BRASHEAR HOUSE AND FACTORY  
NATIONAL REGISTER NOMINATION**

**THE NATIONAL REGISTER NOMINATION FORMS CAN BE FOUND UNDER PUBLIC COMMENT SECTION OF THE HRC WEBSITE AT:**

[http://www.city.pittsburgh.pa.us/cp/html/historic\\_review\\_commission.html](http://www.city.pittsburgh.pa.us/cp/html/historic_review_commission.html)

*The John Robin Civic Building, located at 200 Ross St. downtown, is wheelchair accessible. This meeting is open to all members of the public.* INTERPRETERS FOR THE HEARING IMPAIRED WILL BE PROVIDED WITH FOUR DAYS NOTIFICATION BY CONTACTING RICHARD MERITZER AT 412-255-2102.

**Please contact Sarah Quinn with questions and comments: 412-255-2243**

[sarah.quinn@city.pittsburgh.pa.us](mailto:sarah.quinn@city.pittsburgh.pa.us)



**HISTORIC REVIEW COMMISSION OF PITTSBURGH**  
**Application for a Certificate of Appropriateness**

DEADLINE:

Completed applications must be received at least 13 working days prior to the HRC hearing, when a hearing is required

STAFF USE ONLY:

DATE RECEIVED: 9/13/12  
 LOT AND BLOCK NUMBER: 7-D-31  
 WARD: 22  
 FEE PAID: \_\_\_\_\_

FEE SCHEDULE:

See attached. Please make check payable to:  
 Treasurer, City of Pittsburgh.

**ADDRESS OF PROPERTY:**

853 Beech Ave  
Pittsburgh 15233

**DISTRICT:**

Allegheny West

**OWNER:**

NAME: BNG DIAMOND PROPERTIES  
 ADDRESS: 748 MILLERS RUN RD  
MCDONALD FA 15057  
 PHONE: 412-977-7401

**APPLICANT:**

NAME: Same  
 ADDRESS: \_\_\_\_\_  
 PHONE: \_\_\_\_\_

EMAIL: SHARRIS@BLESTINVESTMENT.COM EMAIL: \_\_\_\_\_

**REQUIRED ATTACHMENTS:**

- Drawings     Photographs     Renderings     Site Plan     Other

**DETAILED DESCRIPTION OF PROPOSED PROJECT:**

see attached

**SIGNATURES:**

OWNER: [Signature] DATE: 9/13/12  
 APPLICANT: \_\_\_\_\_ DATE: \_\_\_\_\_



**John Hancock Contracting  
33 Colby Terrace  
Pittsburgh, Pennsylvania 15214**

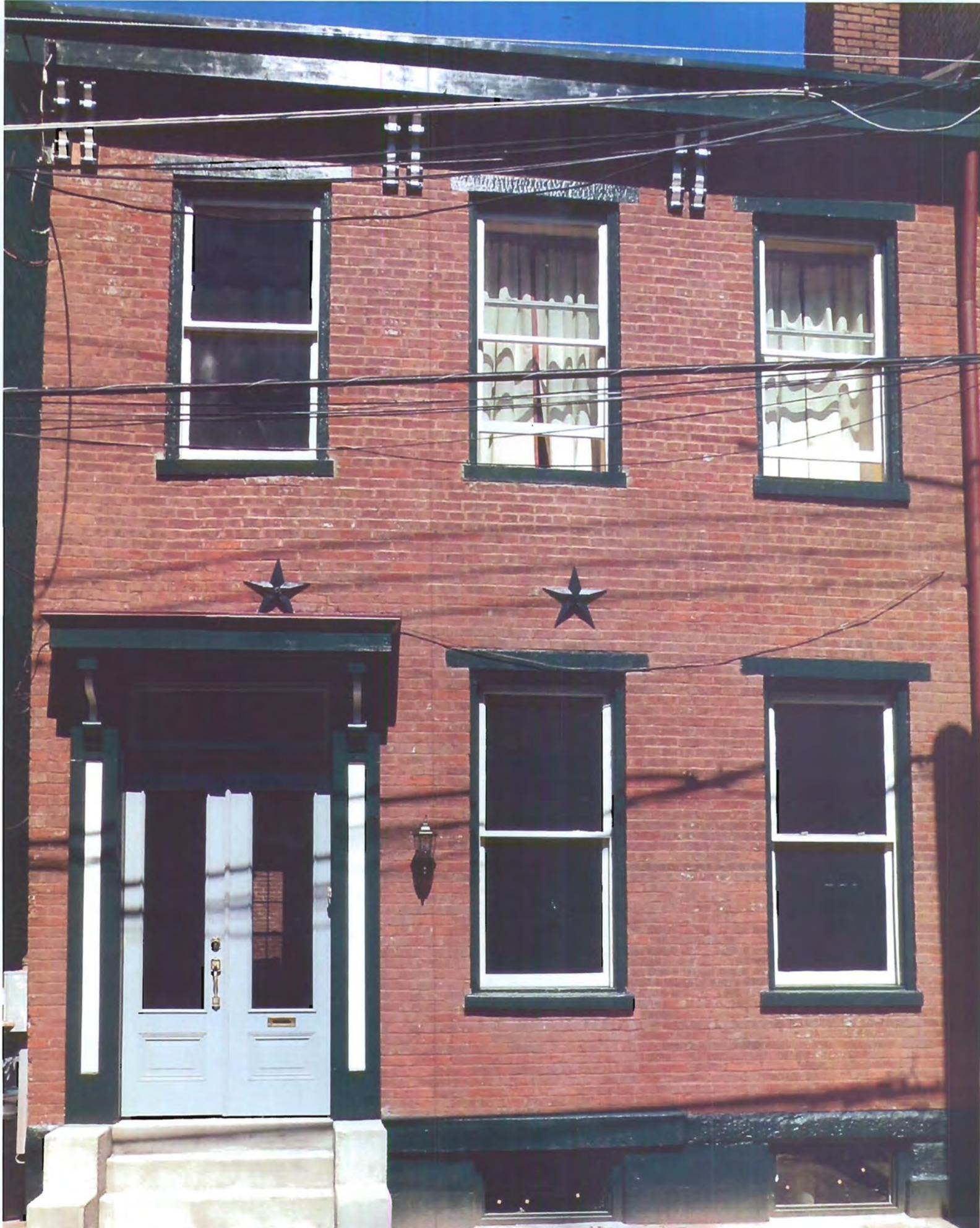
**412-322-4560**

**Facade Repair: 853 Beech Avenue Pittsburgh, Pennsylvania  
Allegheny West Historic District**

- 1. Provide and install star shaped brick anchors in the front facade of the buildings to prevent further outward migration of the bricks. Anchors are thru bolted to interior structure - sill plated or wall studs. Number of anchors uncertain at this time as access to building has been restricted.**
- 2. Provide and install new exterior wood windows; original configuration unknown. First three floors have deteriorated lintels. The entire "unit" must be removed to replace lintels and install new windows.**
- 3. Repair trim on the two third floor small arched top windows to match existing as closely as possible. Repair crown molding at top of entrance door, matching original as closely as possible.**



SUBJECT PROPERTY



EXAMPLE OF STAR ON PROPERTY

<a href="#">Home</a>	<a href="#">New Items!</a>	<a href="#">FAQs</a>	<a href="#">Quick Order</a>	<a href="#">Apply For Credit</a>	<a href="#">Contact Us</a>
<a href="#">SHOP BY CATEGORY</a>	<a href="#">SHOP BY MATERIAL</a>	<a href="#">SHOP BY FAMILY</a>	<a href="#">SHOP BY CONCEPTS!</a>	<a href="#">SHOP BY E-CATALOG!</a>	

Shop By Category > Stars-Metal Wall Art Decor > Large Steel Fabricated Stars

Search Text

Quick Search

Part Number    Quantity



**Item # 44-99-20**

Stamped/Fabricated Star. 20"W,18-3/8"H

Stamped/Fabricated Large Steel Star, Single Faced. 20"W x 18-3/8" H, 2-1/2" Depth, 2.75 lbs.

Quantity

Each

[Add to Cart](#)  
[Check Availability](#)

[Add To Cart](#)

- [Request A Catalog](#)
- [Shipping](#)
- [NEW! Online Bill Pay](#)
- [Family Material Codes](#)
- [Help!](#)
- [Construction Grade Metal](#)
- [Careers](#)
- [Green](#)
- [King Story](#)
- [Koenig Eisen](#)
- [Privacy](#)

[Enlarge Image](#)

[DWG File](#)

[DWG File](#)

**You might also be interested in the following:**



Product # 44-99-15  
Stamped/Fabricated Star. 15"W,  
14"H



Product # 44-99-26  
Stamped/Fabricated Star. 26"W,  
24-7/8"H

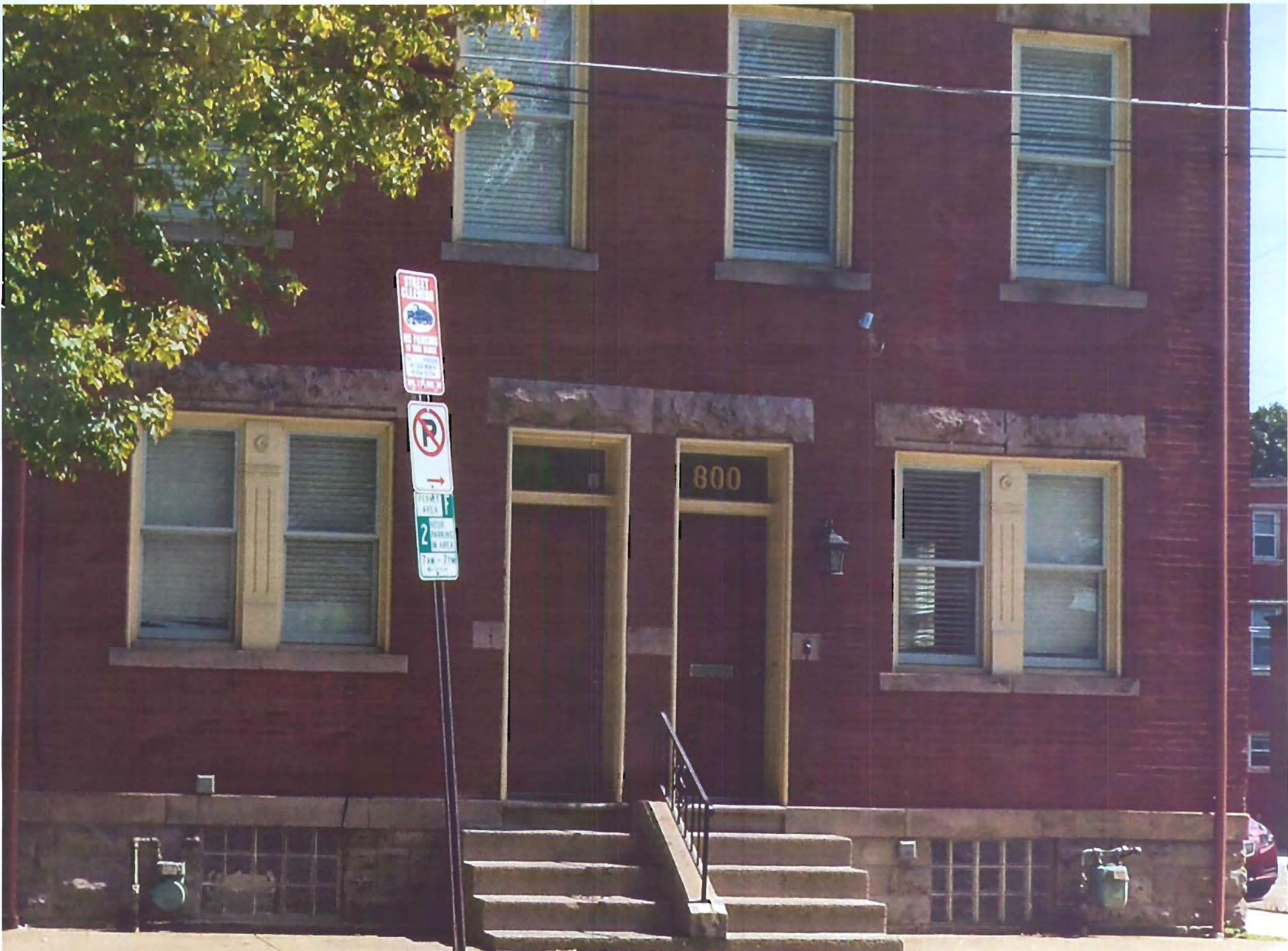


Product # 44-99-36  
Stamped/Fabricated Star. 36"W,  
34-3/8"H

1

# DESIGN OF WOOD WINDOW





EXAMPLE OF WINDOW DESIGN

EXAMPLE OF WINDOW STYLE  
WITHOUT ARCH.



All lintels  
to be replaced



Missing  
trim

Missing  
crown

853



**HISTORIC REVIEW COMMISSION OF PITTSBURGH**  
**Application for a Certificate of Appropriateness**

**DEADLINE:**

Completed applications must be received at least 13 working days prior to the HRC hearing, when a hearing is required

**FEE SCHEDULE:**

See attached. Please make check payable to:  
 Treasurer, City of Pittsburgh.

**ADDRESS OF PROPERTY:**

939 Beech Avenue  
 Pittsburgh, PA 15233

**OWNER:**

NAME: Calvary United Methodist  
 ADDRESS: 971 Beech Avenue  
 Pittsburgh, PA 15233  
 PHONE: 412-231-2007  
 EMAIL: calvaryofficejaim@ yahoo.com

**REQUIRED ATTACHMENTS:**

- Drawings     Photographs     Renderings     Site Plan     Other

**DETAILED DESCRIPTION OF PROPOSED PROJECT:**

adding rear, ground level deck with 6ft wooden fence enclosure

**SIGNATURES:**

OWNER: [Signature] DATE: 9-11-12  
 APPLICANT: [Signature] DATE: 9-11-12

**STAFF USE ONLY:**  
 DATE RECEIVED: 9/11/12  
 LOT AND BLOCK NUMBER: 7-D-59  
 WARD: 22ND  
 FEE PAID:

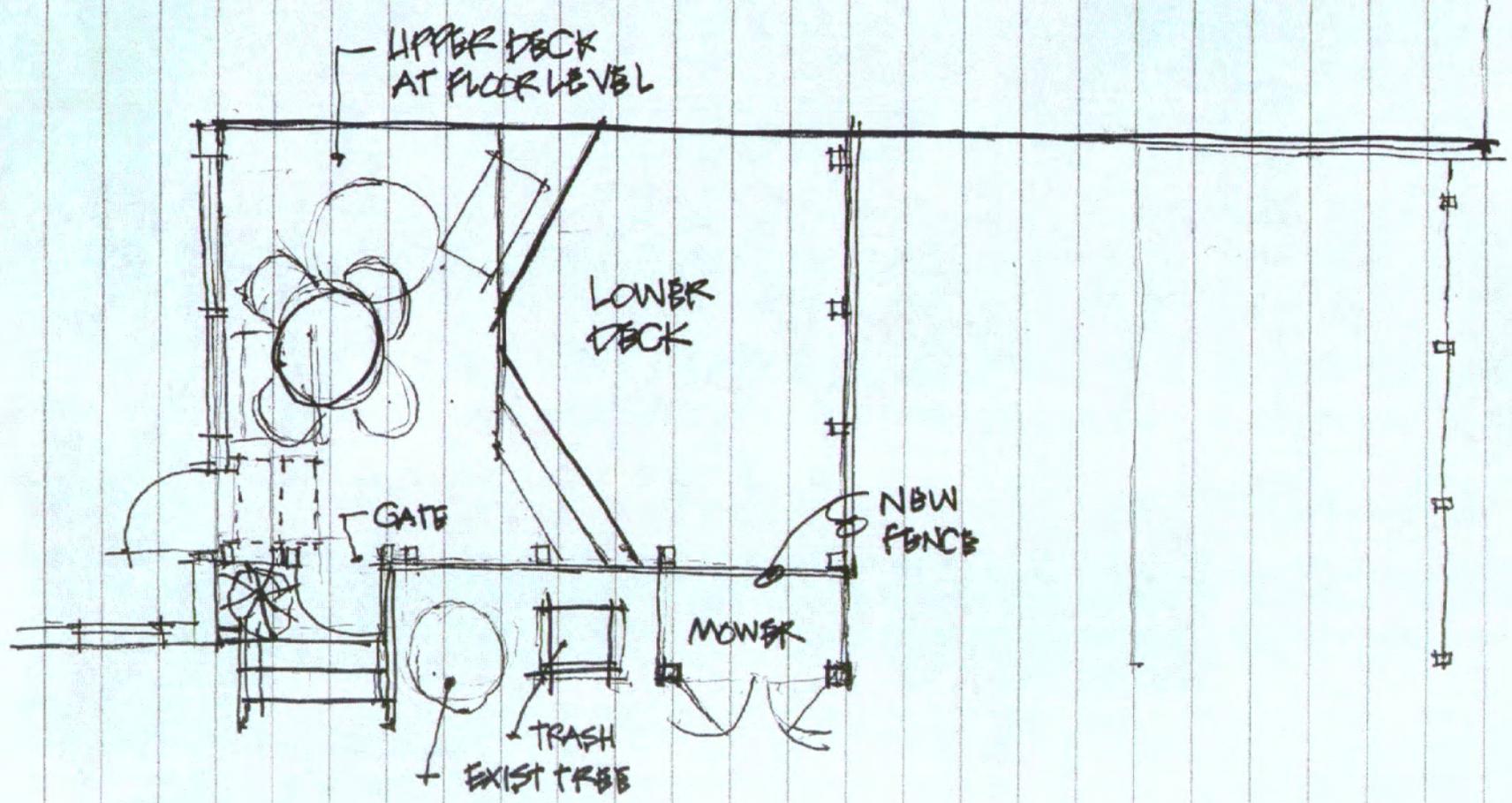
**DISTRICT:**

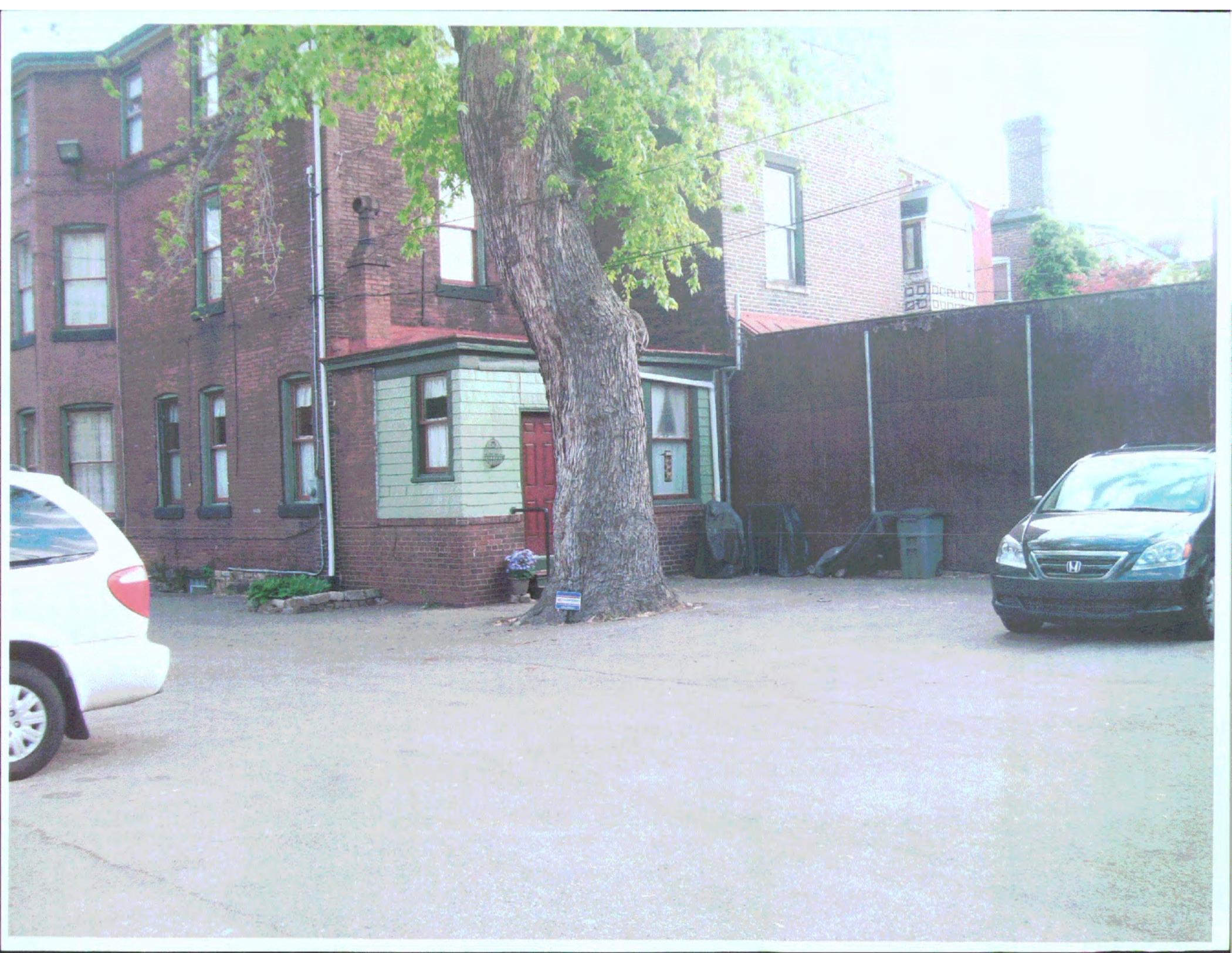
Allegheny West

**APPLICANT:**

NAME: Rev. Larry P. Homitsky  
 ADDRESS: 939 Beech Avenue  
 Pittsburgh, PA 15233  
 PHONE: 412-231-4283/724-272-3486  
 EMAIL: umdirect@wpavmc.org













**Division of Development Administration and Review**  
 City of Pittsburgh, Department of City Planning  
 200 Ross Street, Third Floor  
 Pittsburgh, Pennsylvania 15219

**HISTORIC REVIEW COMMISSION OF PITTSBURGH**  
**Application for a Certificate of Appropriateness**

DEADLINE:

Completed applications must be received at least 13 working days prior to the HRC hearing, when a hearing is required

STAFF USE ONLY:

DATE RECEIVED: Sept 14, 2012

LOT AND BLOCK NUMBER: 22-5-134

WARD: 22ND

FEE PAID: \_\_\_\_\_

FEE SCHEDULE:

See attached. Please make check payable to:  
 Treasurer, City of Pittsburgh.

**ADDRESS OF PROPERTY:**

954 W. NORTH AVE  
PITTSBURGH PA 15233

**DISTRICT:**

ALLEGHENY WEST - 22ND WARD

**OWNER:**

NAME: DIANA L BROWN  
 ADDRESS: 1037 W ALTGELD ST.  
CHICAGO, IL 60614  
 PHONE: 773 935 0388  
 EMAIL: DBrown9631@aol.com

**APPLICANT:**

NAME: MARSHALL BROWN  
 ADDRESS: 855 BEECH AVE APT 2  
PITTSBURGH PA 15233  
 PHONE: 412 860 8885  
 EMAIL: MBROWN1037@HOTMAIL.COM

**REQUIRED ATTACHMENTS:**

- Drawings     Photographs     Renderings     Site Plan     Other

**DETAILED DESCRIPTION OF PROPOSED PROJECT:**

NEW FRONT PORCH INFILL TO MATCH ADJ. PROPERTIES, NEW WOOD  
WINDOWS TO MATCH EXISTING FRONT. NEW GARAGE / DRIVE ACCESS AND BLIND. CLAD WOOD  
WINDOWS

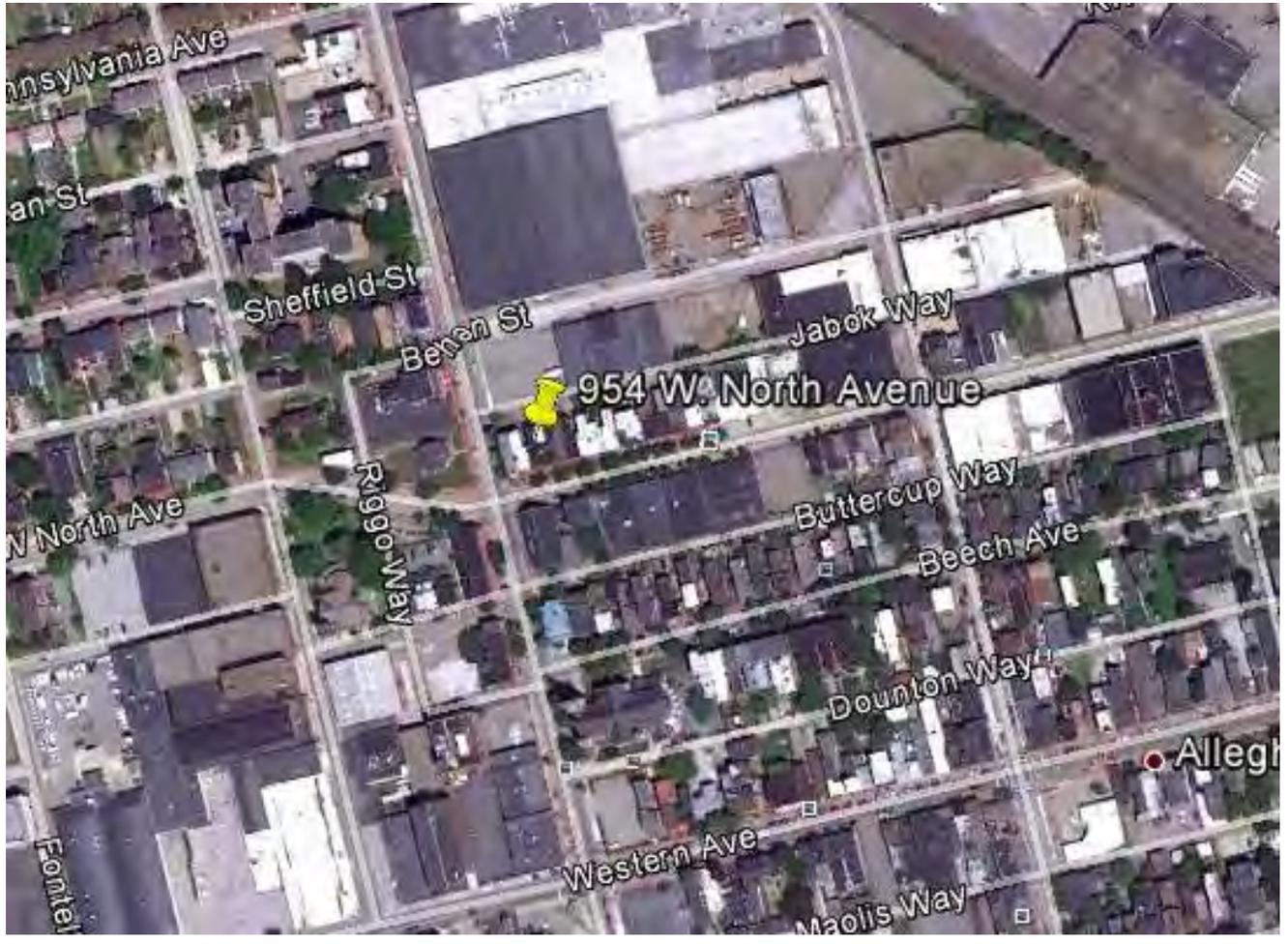
**SIGNATURES:**

OWNER: Diana L Brown

DATE: July 30, 2012

APPLICANT: Marshall Brown

DATE: AUGUST 27, 2012









Street light fixture

Utility pole

Red wooden deck

Large green bush

White Ram pickup truck with utility rack

RAM 1500



**BRM** BUSINESS  
RECORDS  
MANAGEMENT



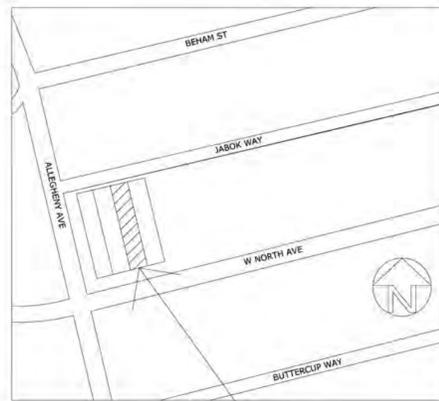




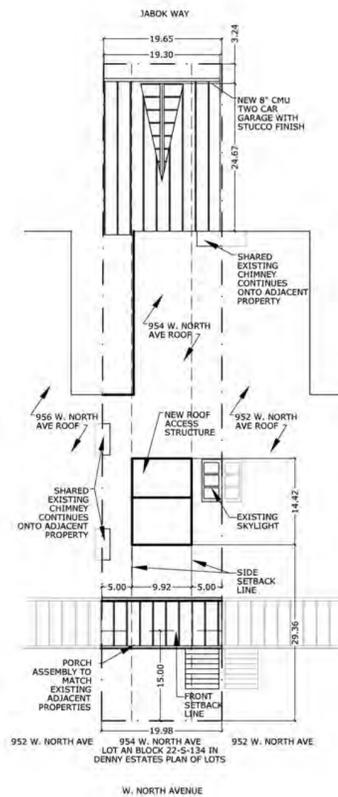
# BROWN'S RESIDENCE

## REHABILITATION OF EXISTING ROWHOUSE WITH GARAGE AND ROOF ACCESS ROOM ADDITIONS

### 954 W. NORTH AVENUE PITTSBURGH, PA 15233

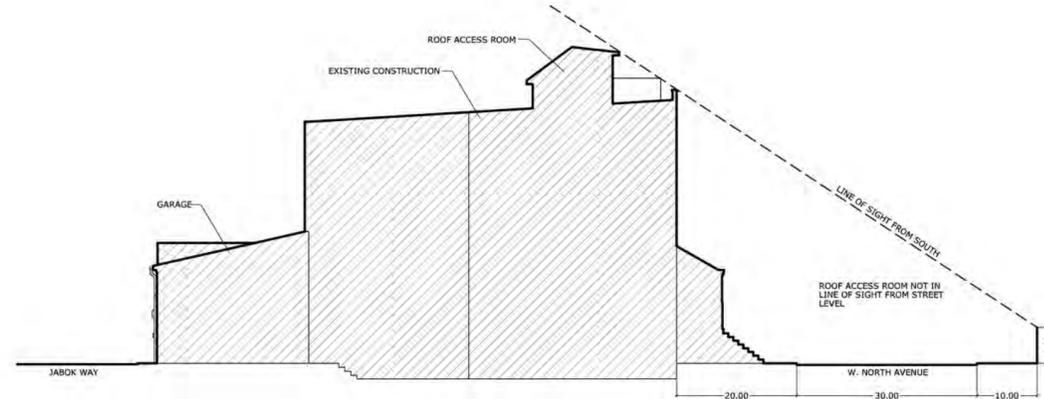


**SITE MAP**



**PLOT SURVEY FOR 954 W. NORTH AVE.**

SCALE: 1" = 20'-0"



**LINE OF SIGHT DIAGRAM**

PROPERTY OWNER WILL BE SERVING AS GENERAL CONTRACTOR AND ARCHITECT OF RECORD  
 PROPERTY OWNER : MOTOHIRO AND DIANA BROWN  
 ADDRESS : 1037 W. ALTGELD STREET  
 CHICAGO, IL 60614  
 PHONE : (773)935-0388

OWNER'S REPRESENTATIVE : MARSHALL BROWN  
 ADDRESS : 855 BEECH AVENUE APT 2  
 PITTSBURGH, PA 15233  
 PHONE : (412)860-8885

**BUILDING DATA:**  
 LOT AND BLOCK NUMBER 22-S134  
 ZONING R-1A-H  
 OCCUPANCY : SINGLE FAMILY RESIDENTIAL  
 IRC 2009

**BUILDING AREA :**  
 BASEMENT LEVEL : 1071.67 SQ. FT.  
 1ST FLOOR LEVEL : 1071.67 SQ. FT.  
 2ND FLOOR LEVEL : 1071.67 SQ. FT.  
 3RD FLOOR LEVEL : 1071.67 SQ. FT.  
 4TH FLOOR LEVEL : 132.08 SQ. FT.  
 TOTAL : 4418.76 SQ. FT.

**GARAGE AREA :**  
 1ST CAR LEVEL : 476.12 SQ. FT.  
 2ND FLOOR LEVEL : 476.12 SQ. FT.  
 TOTAL : 952.24 SQ. FT.

**RATED CONSTRUCTION :**

DWELLING/GARAGE SEPARATION  
 NOT LESS THAN 5/8" TYPE X GYPSUM BOARD OR EQUIVALENT

DOOR SHALL BE 20-MINUTE FIRE RATED OR SOLID WOOD DOORS  
 NOT LESS THAN 1 3/8" IN THICKNESS, SOLID OR HONEYCOMB CORE STEEL  
 DOORS NOT LESS THAN 1 3/8" THICK

**PAINT COLOR INDEX:**

- 1 - PPG LEATHERVEST \*
- 2 - PPG BLACK \*
- 3 - SW CHARCOAL GREEN \*
- 4 - PPG WEATHERED SPAR \*
- 5 - PPG LIGHT OAK \*
- 6 - PPG TULIP WOOD \*
- 7 - PPG SLATE BROWN \*
- 8 - SW AWNING RED \*
- 9 - TINNERS RED \*
- 10- HURD SAND
- 11- HURD PATINA GREEN
- 12- SW AESTHETIC WHITE
- 13- SW BALANCED BEIGE
- 14- HURD SAGE BROWN

\* ORIGINAL COLORS SPECIFIED FOR DENNY ROW FACADE - SAMPLES NO LONGER AVAILABLE OR EQUIVALENT PAINT



**SOUTH ELEVATION**

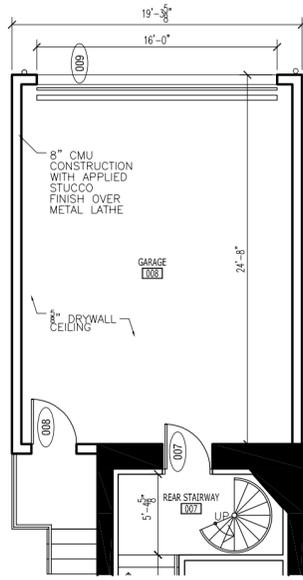
SCALE: 3/8" = 1'-0"

**NORTH ELEVATION**

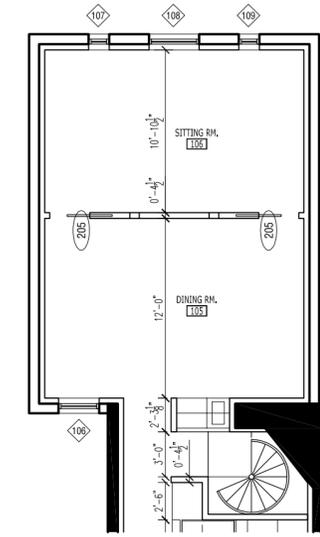
SCALE: 3/8" = 1'-0"

**SHEET INDEX:**

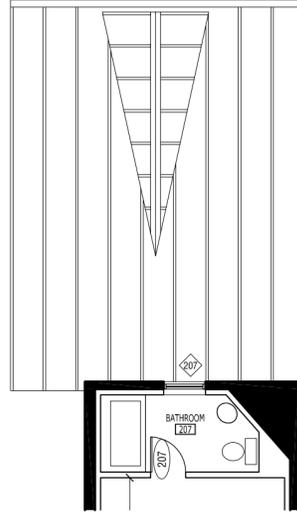
- CS - COVER SHEET
- A1 - PLANS
- A2 - SECTION
- A3 - DETAILS



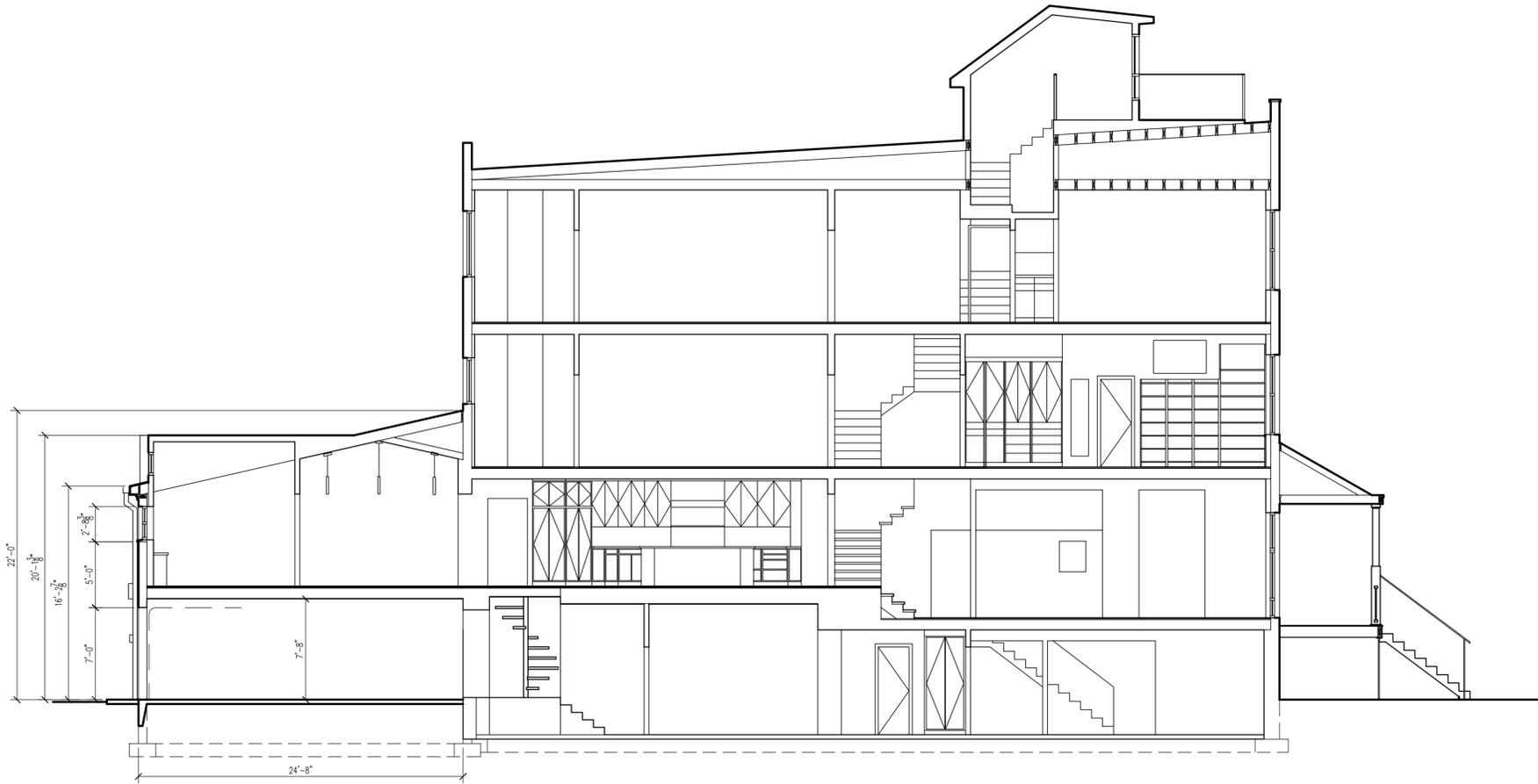
**GARAGE PLAN**  
SCALE:  $\frac{1}{8}'' = 1'-0''$



**GARAGE 2ND FLR. PLAN**  
SCALE:  $\frac{1}{8}'' = 1'-0''$

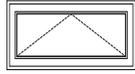


**GARAGE ROOF PLAN**  
SCALE:  $\frac{1}{8}'' = 1'-0''$



**BUILDING SECTION**  
SCALE:  $\frac{1}{8}'' = 1'-0''$

# ALUMINUM CLAD WOOD AWNING WINDOWS



ALUMINUM CLAD WOOD WINDOWS  
AWNING, 1-WIDE



ALUMINUM CLAD WOOD WINDOWS  
AWNING, 1-WIDE, 2-HIGH

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
43 11 -1W	4'0 1/16" x 1'4 1/16"	(1243 x 424)	4'0 3/16" x 1'4 3/16"
43 15 -1W	4'0 1/16" x 1'8 1/16"	(1243 x 525)	4'0 3/16" x 1'8 3/16"
43 19 -1W	4'0 1/16" x 2'0 1/16"	(1243 x 627)	4'0 3/16" x 2'0 3/16"
43 23 -1W	4'0 1/16" x 2'4 1/16"	(1243 x 729)	4'0 3/16" x 2'4 3/16"
43 27 -1W	4'0 1/16" x 2'8 1/16"	(1243 x 830)	4'0 3/16" x 2'8 3/16"
43 31 -1W	4'0 1/16" x 3'0 1/16"	(1243 x 932)	4'0 3/16" x 3'0 3/16"
43 35 -1W	4'0 1/16" x 3'4 1/16"	(1243 x 1033)	4'0 3/16" x 3'4 3/16"
43 43 -1W	4'0 1/16" x 4'0 1/16"	(1243 x 1237)	4'0 3/16" x 4'0 3/16"
47 11 -1W	4'4 1/16" x 1'4 1/16"	(1345 x 424)	4'4 3/16" x 1'4 3/16"
47 15 -1W	4'4 1/16" x 1'8 1/16"	(1345 x 525)	4'4 3/16" x 1'8 3/16"
47 19 -1W	4'4 1/16" x 2'0 1/16"	(1345 x 627)	4'4 3/16" x 2'0 3/16"
47 23 -1W	4'4 1/16" x 2'4 1/16"	(1345 x 729)	4'4 3/16" x 2'4 3/16"
47 27 -1W	4'4 1/16" x 2'8 1/16"	(1345 x 830)	4'4 3/16" x 2'8 3/16"
55 11 -1W	5'0 1/16" x 1'4 1/16"	(1548 x 424)	5'0 3/16" x 1'4 3/16"
55 15 -1W	5'0 1/16" x 1'8 1/16"	(1548 x 525)	5'0 3/16" x 1'8 3/16"
55 19 -1W	5'0 1/16" x 2'0 1/16"	(1548 x 625)	5'0 3/16" x 2'0 3/16"
55 23 -1W	5'0 1/16" x 2'4 1/16"	(1548 x 729)	5'0 3/16" x 2'4 3/16"
55 27 -1W	5'0 1/16" x 2'8 1/16"	(1548 x 830)	5'0 3/16" x 2'8 3/16"

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
15 11 -1W2H <sup>4</sup>	1'8 1/16" x 2'8 7/8"	(532 x 835)	1'8 3/16" x 2'8 3/8"
15 15 -1W2H <sup>4</sup>	1'8 1/16" x 3'4 7/8"	(532 x 1038)	1'8 3/16" x 3'4 3/8"
15 19 -1W2H <sup>4</sup>	1'8 1/16" x 4'0 7/8"	(532 x 1241)	1'8 3/16" x 4'0 3/8"
15 23 -1W2H <sup>4</sup>	1'8 1/16" x 4'8 7/8"	(532 x 1445)	1'8 3/16" x 4'8 3/8"
19 11 -1W2H	2'0 1/16" x 2'8 7/8"	(633 x 835)	2'0 3/16" x 2'8 3/8"
19 15 -1W2H	2'0 1/16" x 3'4 7/8"	(633 x 1038)	2'0 3/16" x 3'4 3/8"
19 19 -1W2H	2'0 1/16" x 4'0 7/8"	(633 x 1241)	2'0 3/16" x 4'0 3/8"
19 23 -1W2H	2'0 1/16" x 4'8 7/8"	(633 x 1445)	2'0 3/16" x 4'8 3/8"
19 27 -1W2H	2'0 1/16" x 5'4 7/8"	(633 x 1648)	2'0 3/16" x 5'4 3/8"
23 11 -1W2H	2'4 1/16" x 2'8 7/8"	(735 x 835)	2'4 3/16" x 2'8 3/8"
23 15 -1W2H	2'4 1/16" x 3'4 7/8"	(735 x 1038)	2'4 3/16" x 3'4 3/8"
23 19 -1W2H	2'4 1/16" x 4'0 7/8"	(735 x 1241)	2'4 3/16" x 4'0 3/8"
23 23 -1W2H	2'4 1/16" x 4'8 7/8"	(735 x 1445)	2'4 3/16" x 4'8 3/8"
23 27 -1W2H	2'4 1/16" x 5'4 7/8"	(735 x 1648)	2'4 3/16" x 5'4 3/8"
27 11 -1W2H	2'8 1/16" x 2'8 7/8"	(837 x 835)	2'8 3/16" x 2'8 3/8"
27 15 -1W2H	2'8 1/16" x 3'4 7/8"	(837 x 1038)	2'8 3/16" x 3'4 3/8"
27 19 -1W2H	2'8 1/16" x 4'0 7/8"	(837 x 1241)	2'8 3/16" x 4'0 3/8"
27 23 -1W2H	2'8 1/16" x 4'8 7/8"	(837 x 1445)	2'8 3/16" x 4'8 3/8"
27 27 -1W2H	2'8 1/16" x 5'4 7/8"	(837 x 1648)	2'8 3/16" x 5'4 3/8"
31 11 -1W2H	3'0 1/16" x 2'8 7/8"	(938 x 835)	3'0 3/16" x 2'8 3/8"
31 15 -1W2H	3'0 1/16" x 3'4 7/8"	(938 x 1038)	3'0 3/16" x 3'4 3/8"
31 19 -1W2H	3'0 1/16" x 4'0 7/8"	(938 x 1241)	3'0 3/16" x 4'0 3/8"
31 23 -1W2H	3'0 1/16" x 4'8 7/8"	(938 x 1445)	3'0 3/16" x 4'8 3/8"
31 27 -1W2H	3'0 1/16" x 5'4 7/8"	(938 x 1648)	3'0 3/16" x 5'4 3/8"
31 31 -1W2H	3'0 1/16" x 6'0 7/8"	(938 x 1851)	3'0 3/16" x 6'0 3/8"
35 11 -1W2H	3'4 1/16" x 2'8 7/8"	(1040 x 835)	3'4 3/16" x 2'8 3/8"
35 15 -1W2H	3'4 1/16" x 3'4 7/8"	(1040 x 1038)	3'4 3/16" x 3'4 3/8"
35 19 -1W2H	3'4 1/16" x 4'0 7/8"	(1040 x 1241)	3'4 3/16" x 4'0 3/8"
35 23 -1W2H	3'4 1/16" x 4'8 7/8"	(1040 x 1445)	3'4 3/16" x 4'8 3/8"
35 27 -1W2H	3'4 1/16" x 5'4 7/8"	(1040 x 1648)	3'4 3/16" x 5'4 3/8"
35 31 -1W2H	3'4 1/16" x 6'0 7/8"	(1040 x 1851)	3'4 3/16" x 6'0 3/8"
35 35 -1W2H	3'4 1/16" x 6'8 7/8"	(1040 x 2054)	3'4 3/16" x 6'8 3/8"
43 11 -1W2H	4'0 1/16" x 2'8 7/8"	(1243 x 835)	4'0 3/16" x 2'8 3/8"
43 15 -1W2H	4'0 1/16" x 3'4 7/8"	(1243 x 1038)	4'0 3/16" x 3'4 3/8"
43 19 -1W2H	4'0 1/16" x 4'0 7/8"	(1243 x 1241)	4'0 3/16" x 4'0 3/8"
43 23 -1W2H	4'0 1/16" x 4'8 7/8"	(1243 x 1445)	4'0 3/16" x 4'8 3/8"
43 27 -1W2H	4'0 1/16" x 5'4 7/8"	(1243 x 1648)	4'0 3/16" x 5'4 3/8"
43 31 -1W2H	4'0 1/16" x 6'0 7/8"	(1243 x 1851)	4'0 3/16" x 6'0 3/8"
43 35 -1W2H	4'0 1/16" x 6'8 7/8"	(1243 x 2054)	4'0 3/16" x 6'8 3/8"
43 43 -1W2H	4'0 1/16" x 8'0 7/8"	(1243 x 2461)	4'0 3/16" x 8'0 3/8"
47 11 -1W2H	4'4 1/16" x 2'8 7/8"	(1345 x 835)	4'4 3/16" x 2'8 3/8"
47 15 -1W2H	4'4 1/16" x 3'4 7/8"	(1345 x 1038)	4'4 3/16" x 3'4 3/8"
47 19 -1W2H	4'4 1/16" x 4'0 7/8"	(1345 x 1241)	4'4 3/16" x 4'0 3/8"
47 23 -1W2H	4'4 1/16" x 4'8 7/8"	(1345 x 1445)	4'4 3/16" x 4'8 3/8"
47 27 -1W2H	4'4 1/16" x 5'4 7/8"	(1345 x 1648)	4'4 3/16" x 5'4 3/8"
55 11 -1W2H	5'0 1/16" x 2'8 7/8"	(1548 x 835)	5'0 3/16" x 2'8 3/8"
55 15 -1W2H	5'0 1/16" x 3'4 7/8"	(1548 x 1038)	5'0 3/16" x 3'4 3/8"
55 19 -1W2H	5'0 1/16" x 4'0 7/8"	(1548 x 1241)	5'0 3/16" x 4'0 3/8"
55 23 -1W2H	5'0 1/16" x 4'8 7/8"	(1548 x 1445)	5'0 3/16" x 4'8 3/8"
55 27 -1W2H	5'0 1/16" x 5'4 7/8"	(1548 x 1648)	5'0 3/16" x 5'4 3/8"

Please note: not all combinations can be factory milled due to shipping limitations.

Rough Opening Width = Basic Unit Width + 3/4"

Rough Opening Height = Basic Unit Height + 1/2"

<sup>4</sup> Will use narrow operator with bracket.

See Page 39, 44, 45, 46 for Section Details.

# ALUMINUM CLAD WOOD AWNING WINDOWS



ALUMINUM CLAD WOOD WINDOWS  
AWNING, 1-WIDE, 3-HIGH



ALUMINUM CLAD WOOD WINDOWS  
AWNING, 2-WIDE, 1 HIGH

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
15 11 -1W3H <sup>4</sup>	1'8 1/8" x 4'1 1/8"	(532 x 1246)	1'8 3/8" x 4'0 3/8"
15 15 -1W3H <sup>4</sup>	1'8 1/8" x 5'1 1/8"	(532 x 1551)	1'8 3/8" x 5'0 3/8"
15 19 -1W3H <sup>4</sup>	1'8 1/8" x 6'1 1/8"	(532 x 1856)	1'8 3/8" x 6'0 3/8"
15 23 -1W3H <sup>4</sup>	1'8 1/8" x 7'1 1/8"	(532 x 2161)	1'8 3/8" x 7'0 3/8"
19 11 -1W3H	2'0 1/8" x 4'1 1/8"	(633 x 1246)	2'0 3/8" x 4'0 3/8"
19 15 -1W3H	2'0 1/8" x 5'1 1/8"	(633 x 1551)	2'0 3/8" x 5'0 3/8"
19 19 -1W3H	2'0 1/8" x 6'1 1/8"	(633 x 1856)	2'0 3/8" x 6'0 3/8"
19 23 -1W3H	2'0 1/8" x 7'1 1/8"	(633 x 2161)	2'0 3/8" x 7'0 3/8"
19 27 -1W3H	2'0 1/8" x 8'1 1/8"	(633 x 2465)	2'0 3/8" x 8'0 3/8"
23 11 -1W3H	2'4 1/8" x 4'1 1/8"	(735 x 1246)	2'4 3/8" x 4'0 3/8"
23 15 -1W3H	2'4 1/8" x 5'1 1/8"	(735 x 1551)	2'4 3/8" x 5'0 3/8"
23 19 -1W3H	2'4 1/8" x 6'1 1/8"	(735 x 1856)	2'4 3/8" x 6'0 3/8"
23 23 -1W3H	2'4 1/8" x 7'1 1/8"	(735 x 2161)	2'4 3/8" x 7'0 3/8"
23 27 -1W3H	2'4 1/8" x 8'1 1/8"	(735 x 2465)	2'4 3/8" x 8'0 3/8"
27 11 -1W3H	2'8 1/8" x 4'1 1/8"	(837 x 1246)	2'8 3/8" x 4'0 3/8"
27 15 -1W3H	2'8 1/8" x 5'1 1/8"	(837 x 1551)	2'8 3/8" x 5'0 3/8"
27 19 -1W3H	2'8 1/8" x 6'1 1/8"	(837 x 1856)	2'8 3/8" x 6'0 3/8"
27 23 -1W3H	2'8 1/8" x 7'1 1/8"	(837 x 2161)	2'8 3/8" x 7'0 3/8"
27 27 -1W3H	2'8 1/8" x 8'1 1/8"	(837 x 2465)	2'8 3/8" x 8'0 3/8"
31 11 -1W3H	3'0 1/8" x 4'1 1/8"	(938 x 1246)	3'0 3/8" x 4'0 3/8"
31 15 -1W3H	3'0 1/8" x 5'1 1/8"	(938 x 1551)	3'0 3/8" x 5'0 3/8"
31 19 -1W3H	3'0 1/8" x 6'1 1/8"	(938 x 1856)	3'0 3/8" x 6'0 3/8"
31 23 -1W3H	3'0 1/8" x 7'1 1/8"	(938 x 2161)	3'0 3/8" x 7'0 3/8"
31 27 -1W3H	3'0 1/8" x 8'1 1/8"	(938 x 2465)	3'0 3/8" x 8'0 3/8"
31 31 -1W3H	3'0 1/8" x 9'1 1/8"	(938 x 2770)	3'0 3/8" x 9'0 3/8"
35 11 -1W3H	3'4 1/8" x 4'1 1/8"	(1040 x 1246)	3'4 3/8" x 4'0 3/8"
35 15 -1W3H	3'4 1/8" x 5'1 1/8"	(1040 x 1551)	3'4 3/8" x 5'0 3/8"
35 19 -1W3H	3'4 1/8" x 6'1 1/8"	(1040 x 1856)	3'4 3/8" x 6'0 3/8"
35 23 -1W3H	3'4 1/8" x 7'1 1/8"	(1040 x 2161)	3'4 3/8" x 7'0 3/8"
35 27 -1W3H	3'4 1/8" x 8'1 1/8"	(1040 x 2465)	3'4 3/8" x 8'0 3/8"
35 31 -1W3H	3'4 1/8" x 9'1 1/8"	(1040 x 2770)	3'4 3/8" x 9'0 3/8"
35 35 -1W3H	3'4 1/8" x 10'1 1/8"	(1040 x 3075)	3'4 3/8" x 10'0 3/8"
43 11 -1W3H	4'0 1/8" x 4'1 1/8"	(1243 x 1246)	4'0 3/8" x 4'0 3/8"
43 15 -1W3H	4'0 1/8" x 5'1 1/8"	(1243 x 1551)	4'0 3/8" x 5'0 3/8"
43 19 -1W3H	4'0 1/8" x 6'1 1/8"	(1243 x 1856)	4'0 3/8" x 6'0 3/8"
43 23 -1W3H	4'0 1/8" x 7'1 1/8"	(1243 x 2161)	4'0 3/8" x 7'0 3/8"
43 27 -1W3H	4'0 1/8" x 8'1 1/8"	(1243 x 2465)	4'0 3/8" x 8'0 3/8"
43 31 -1W3H	4'0 1/8" x 9'1 1/8"	(1243 x 2770)	4'0 3/8" x 9'0 3/8"
43 35 -1W3H	4'0 1/8" x 10'1 1/8"	(1243 x 3075)	4'0 3/8" x 10'0 3/8"
43 43 -1W3H	4'0 1/8" x 12'1 1/8"	(1243 x 3685)	4'0 3/8" x 12'0 3/8"
47 11 -1W3H	4'4 1/8" x 4'1 1/8"	(1345 x 1246)	4'4 3/8" x 4'0 3/8"
47 15 -1W3H	4'4 1/8" x 5'1 1/8"	(1345 x 1551)	4'4 3/8" x 5'0 3/8"
47 19 -1W3H	4'4 1/8" x 6'1 1/8"	(1345 x 1856)	4'4 3/8" x 6'0 3/8"
47 23 -1W3H	4'4 1/8" x 7'1 1/8"	(1345 x 2161)	4'4 3/8" x 7'0 3/8"
47 27 -1W3H	4'4 1/8" x 8'1 1/8"	(1345 x 2465)	4'4 3/8" x 8'0 3/8"
55 11 -1W3H	5'0 1/8" x 4'1 1/8"	(1548 x 1246)	5'0 3/8" x 4'0 3/8"
55 15 -1W3H	5'0 1/8" x 5'1 1/8"	(1548 x 1551)	5'0 3/8" x 5'0 3/8"
55 19 -1W3H	5'0 1/8" x 6'1 1/8"	(1548 x 1856)	5'0 3/8" x 6'0 3/8"
55 23 -1W3H	5'0 1/8" x 7'1 1/8"	(1548 x 2161)	5'0 3/8" x 7'0 3/8"
55 27 -1W3H	5'0 1/8" x 8'1 1/8"	(1548 x 2465)	5'0 3/8" x 8'0 3/8"

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
15 11 -2W <sup>4</sup>	3'5 1/8" x 1'4 1/8"	(1046 x 424)	3'4 3/8" x 1'4 3/8"
15 15 -2W <sup>4</sup>	3'5 1/8" x 1'8 1/8"	(1046 x 525)	3'4 3/8" x 1'8 3/8"
15 19 -2W <sup>4</sup>	3'5 1/8" x 2'0 1/8"	(1046 x 627)	3'4 3/8" x 2'0 3/8"
15 23 -2W <sup>4</sup>	3'5 1/8" x 2'4 1/8"	(1046 x 729)	3'4 3/8" x 2'4 3/8"
19 11 -2W	4'1 1/8" x 1'4 1/8"	(1249 x 424)	4'0 3/8" x 1'4 3/8"
19 15 -2W	4'1 1/8" x 1'8 1/8"	(1249 x 525)	4'0 3/8" x 1'8 3/8"
19 19 -2W	4'1 1/8" x 2'0 1/8"	(1249 x 627)	4'0 3/8" x 2'0 3/8"
19 23 -2W	4'1 1/8" x 2'4 1/8"	(1249 x 729)	4'0 3/8" x 2'4 3/8"
19 27 -2W	4'1 1/8" x 2'8 1/8"	(1249 x 830)	4'0 3/8" x 2'8 3/8"
23 11 -2W	4'9 1/8" x 1'4 1/8"	(1453 x 424)	4'8 3/8" x 1'4 3/8"
23 15 -2W	4'9 1/8" x 1'8 1/8"	(1453 x 525)	4'8 3/8" x 1'8 3/8"
23 19 -2W	4'9 1/8" x 2'0 1/8"	(1453 x 627)	4'8 3/8" x 2'0 3/8"
23 23 -2W	4'9 1/8" x 2'4 1/8"	(1453 x 729)	4'8 3/8" x 2'4 3/8"
23 27 -2W	4'9 1/8" x 2'8 1/8"	(1453 x 830)	4'8 3/8" x 2'8 3/8"
27 11 -2W	5'5 1/8" x 1'4 1/8"	(1656 x 424)	5'4 3/8" x 1'4 3/8"
27 15 -2W	5'5 1/8" x 1'8 1/8"	(1656 x 525)	5'4 3/8" x 1'8 3/8"
27 19 -2W	5'5 1/8" x 2'0 1/8"	(1656 x 627)	5'4 3/8" x 2'0 3/8"
27 23 -2W	5'5 1/8" x 2'4 1/8"	(1656 x 729)	5'4 3/8" x 2'4 3/8"
27 27 -2W	5'5 1/8" x 2'8 1/8"	(1656 x 830)	5'4 3/8" x 2'8 3/8"
31 11 -2W	6'1 1/8" x 1'4 1/8"	(1859 x 424)	6'0 3/8" x 1'4 3/8"
31 15 -2W	6'1 1/8" x 1'8 1/8"	(1859 x 525)	6'0 3/8" x 1'8 3/8"
31 19 -2W	6'1 1/8" x 2'0 1/8"	(1859 x 627)	6'0 3/8" x 2'0 3/8"
31 23 -2W	6'1 1/8" x 2'4 1/8"	(1859 x 729)	6'0 3/8" x 2'4 3/8"
31 27 -2W	6'1 1/8" x 2'8 1/8"	(1859 x 830)	6'0 3/8" x 2'8 3/8"
31 31 -2W	6'1 1/8" x 3'0 1/8"	(1859 x 932)	6'0 3/8" x 3'0 3/8"
35 11 -2W	6'9 1/8" x 1'4 1/8"	(2062 x 424)	6'8 3/8" x 1'4 3/8"
35 15 -2W	6'9 1/8" x 1'8 1/8"	(2062 x 525)	6'8 3/8" x 1'8 3/8"
35 19 -2W	6'9 1/8" x 2'0 1/8"	(2062 x 627)	6'8 3/8" x 2'0 3/8"
35 23 -2W	6'9 1/8" x 2'4 1/8"	(2062 x 729)	6'8 3/8" x 2'4 3/8"
35 27 -2W	6'9 1/8" x 2'8 1/8"	(2062 x 830)	6'8 3/8" x 2'8 3/8"
35 31 -2W	6'9 1/8" x 3'0 1/8"	(2062 x 932)	6'8 3/8" x 3'0 3/8"
35 35 -2W	6'9 1/8" x 3'4 1/8"	(2062 x 1033)	6'8 3/8" x 3'4 3/8"
43 11 -2W	8'1 1/8" x 1'4 1/8"	(2469 x 424)	8'0 3/8" x 1'4 3/8"
43 15 -2W	8'1 1/8" x 1'8 1/8"	(2469 x 525)	8'0 3/8" x 1'8 3/8"
43 19 -2W	8'1 1/8" x 2'0 1/8"	(2469 x 627)	8'0 3/8" x 2'0 3/8"
43 23 -2W	8'1 1/8" x 2'4 1/8"	(2469 x 729)	8'0 3/8" x 2'4 3/8"
43 27 -2W	8'1 1/8" x 2'8 1/8"	(2469 x 830)	8'0 3/8" x 2'8 3/8"
43 31 -2W	8'1 1/8" x 3'0 1/8"	(2469 x 932)	8'0 3/8" x 3'0 3/8"
43 35 -2W	8'1 1/8" x 3'4 1/8"	(2469 x 1033)	8'0 3/8" x 3'4 3/8"
43 43 -2W	8'1 1/8" x 4'0 1/8"	(2469 x 1237)	8'0 3/8" x 4'0 3/8"
47 11 -2W	8'9 1/8" x 1'4 1/8"	(2672 x 424)	8'8 3/8" x 1'4 3/8"
47 15 -2W	8'9 1/8" x 1'8 1/8"	(2672 x 525)	8'8 3/8" x 1'8 3/8"
47 19 -2W	8'9 1/8" x 2'0 1/8"	(2672 x 627)	8'8 3/8" x 2'0 3/8"
47 23 -2W	8'9 1/8" x 2'4 1/8"	(2672 x 729)	8'8 3/8" x 2'4 3/8"
47 27 -2W	8'9 1/8" x 2'8 1/8"	(2672 x 830)	8'8 3/8" x 2'8 3/8"
55 11 -2W	10'1 1/8" x 1'4 1/8"	(3078 x 424)	10'0 3/8" x 1'4 3/8"
55 15 -2W	10'1 1/8" x 1'8 1/8"	(3078 x 525)	10'0 3/8" x 1'8 3/8"
55 19 -2W	10'1 1/8" x 2'0 1/8"	(3078 x 627)	10'0 3/8" x 2'0 3/8"
55 23 -2W	10'1 1/8" x 2'4 1/8"	(3078 x 729)	10'0 3/8" x 2'4 3/8"
55 27 -2W	10'1 1/8" x 2'8 1/8"	(3078 x 830)	10'0 3/8" x 2'8 3/8"

Please note: not all combinations can be factory milled due to shipping limitations.

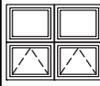
Rough Opening Width = Basic Unit Width + 3/4"

Rough Opening Height = Basic Unit Height + 1/2"

<sup>4</sup> Will use narrow operator with bracket.

See Pages 39, 44, 45, 46 for Section Details.

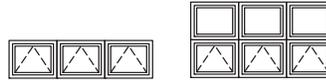
# ALUMINUM CLAD WOOD AWNING WINDOWS



ALUMINUM CLAD WOOD WINDOWS  
AWNING, 2-WIDE, 2-HIGH

ALUMINUM CLAD WOOD WINDOWS  
AWNING, 3-WIDE

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
15 11 -2W2H <sup>4</sup>	3'5 1/8" x 2'8 7/8"	(1045 x 835)	34 3/8" x 28 3/8"
15 15 -2W2H <sup>4</sup>	3'5 1/8" x 3'4 7/8"	(1045 x 1038)	34 3/8" x 34 3/8"
15 19 -2W2H <sup>4</sup>	3'5 1/8" x 4'0 7/8"	(1045 x 1241)	34 3/8" x 40 3/8"
15 23 -2W2H <sup>4</sup>	3'5 1/8" x 4'8 7/8"	(1045 x 1445)	34 3/8" x 48 3/8"
19 11 -2W2H	4'1 1/8" x 2'8 7/8"	(1248 x 835)	40 3/8" x 28 3/8"
19 15 -2W2H	4'1 1/8" x 3'4 7/8"	(1248 x 1038)	40 3/8" x 34 3/8"
19 19 -2W2H	4'1 1/8" x 4'0 7/8"	(1248 x 1241)	40 3/8" x 40 3/8"
19 23 -2W2H	4'1 1/8" x 4'8 7/8"	(1248 x 1445)	40 3/8" x 48 3/8"
19 27 -2W2H	4'1 1/8" x 5'4 7/8"	(1248 x 1648)	40 3/8" x 54 3/8"
23 11 -2W2H	4'9 1/8" x 2'8 7/8"	(1451 x 835)	48 3/8" x 28 3/8"
23 15 -2W2H	4'9 1/8" x 3'4 7/8"	(1451 x 1038)	48 3/8" x 34 3/8"
23 19 -2W2H	4'9 1/8" x 4'0 7/8"	(1451 x 1241)	48 3/8" x 40 3/8"
23 23 -2W2H	4'9 1/8" x 4'8 7/8"	(1451 x 1445)	48 3/8" x 48 3/8"
23 27 -2W2H	4'9 1/8" x 5'4 7/8"	(1451 x 1648)	48 3/8" x 54 3/8"
27 11 -2W2H	5'5 1/8" x 2'8 7/8"	(1654 x 835)	54 3/8" x 28 3/8"
27 15 -2W2H	5'5 1/8" x 3'4 7/8"	(1654 x 1038)	54 3/8" x 34 3/8"
27 19 -2W2H	5'5 1/8" x 4'0 7/8"	(1654 x 1241)	54 3/8" x 40 3/8"
27 23 -2W2H	5'5 1/8" x 4'8 7/8"	(1654 x 1445)	54 3/8" x 48 3/8"
27 27 -2W2H	5'5 1/8" x 5'4 7/8"	(1654 x 1648)	54 3/8" x 54 3/8"
31 11 -2W2H	6'1 1/8" x 2'8 7/8"	(1857 x 835)	60 3/8" x 28 3/8"
31 15 -2W2H	6'1 1/8" x 3'4 7/8"	(1857 x 1038)	60 3/8" x 34 3/8"
31 19 -2W2H	6'1 1/8" x 4'0 7/8"	(1857 x 1241)	60 3/8" x 40 3/8"
31 23 -2W2H	6'1 1/8" x 4'8 7/8"	(1857 x 1445)	60 3/8" x 48 3/8"
31 27 -2W2H	6'1 1/8" x 5'4 7/8"	(1857 x 1648)	60 3/8" x 54 3/8"
31 31 -2W2H	6'1 1/8" x 6'0 7/8"	(1857 x 1851)	60 3/8" x 60 3/8"
35 11 -2W2H	6'9 1/8" x 2'8 7/8"	(2061 x 835)	68 3/8" x 28 3/8"
35 15 -2W2H	6'9 1/8" x 3'4 7/8"	(2061 x 1038)	68 3/8" x 34 3/8"
35 19 -2W2H	6'9 1/8" x 4'0 7/8"	(2061 x 1241)	68 3/8" x 40 3/8"
35 23 -2W2H	6'9 1/8" x 4'8 7/8"	(2061 x 1445)	68 3/8" x 48 3/8"
35 27 -2W2H	6'9 1/8" x 5'4 7/8"	(2061 x 1648)	68 3/8" x 54 3/8"
35 31 -2W2H	6'9 1/8" x 6'0 7/8"	(2061 x 1851)	68 3/8" x 60 3/8"
35 35 -2W2H	6'9 1/8" x 6'8 7/8"	(2061 x 2054)	68 3/8" x 68 3/8"
43 11 -2W2H	8'1 1/8" x 2'8 7/8"	(2467 x 835)	80 3/8" x 28 3/8"
43 15 -2W2H	8'1 1/8" x 3'4 7/8"	(2467 x 1038)	80 3/8" x 34 3/8"
43 19 -2W2H	8'1 1/8" x 4'0 7/8"	(2467 x 1241)	80 3/8" x 40 3/8"
43 23 -2W2H	8'1 1/8" x 4'8 7/8"	(2467 x 1445)	80 3/8" x 48 3/8"
43 27 -2W2H	8'1 1/8" x 5'4 7/8"	(2467 x 1648)	80 3/8" x 54 3/8"
43 31 -2W2H	8'1 1/8" x 6'0 7/8"	(2467 x 1851)	80 3/8" x 60 3/8"
43 35 -2W2H	8'1 1/8" x 6'8 7/8"	(2467 x 2054)	80 3/8" x 68 3/8"
43 43 -2W2H	8'1 1/8" x 8'0 7/8"	(2467 x 2461)	80 3/8" x 80 3/8"
47 11 -2W2H	8'9 1/8" x 2'8 7/8"	(2670 x 835)	88 3/8" x 28 3/8"
47 15 -2W2H	8'9 1/8" x 3'4 7/8"	(2670 x 1038)	88 3/8" x 34 3/8"
47 19 -2W2H	8'9 1/8" x 4'0 7/8"	(2670 x 1241)	88 3/8" x 40 3/8"
47 23 -2W2H	8'9 1/8" x 4'8 7/8"	(2670 x 1445)	88 3/8" x 48 3/8"
47 27 -2W2H	8'9 1/8" x 5'4 7/8"	(2670 x 1648)	88 3/8" x 54 3/8"
55 11 -2W2H	10'1 1/8" x 2'8 7/8"	(3077 x 835)	100 3/8" x 28 3/8"
55 15 -2W2H	10'1 1/8" x 3'4 7/8"	(3077 x 1038)	100 3/8" x 34 3/8"
55 19 -2W2H	10'1 1/8" x 4'0 7/8"	(3077 x 1241)	100 3/8" x 40 3/8"
55 23 -2W2H	10'1 1/8" x 4'8 7/8"	(3077 x 1445)	100 3/8" x 48 3/8"
55 27 -2W2H	10'1 1/8" x 5'4 7/8"	(3077 x 1648)	100 3/8" x 54 3/8"



AWNING WINDOWS AND COMBINATIONS, 3-WIDE

Callout	15-3 <sup>4</sup>	19-3	23-3	27-3	31-3	35-3	43-3	47-3	55-3
Rough Opening Width Standard (Metric)	5'1 5/16" (1557)	6'1 5/16" (1862)	7'1 5/16" (2167)	8'1 5/16" (2472)	9'1 5/16" (2777)	10'1 5/16" (3081)	12'1 5/16" (3690)	13'1 5/16" (3996)	15'1 5/16" (4605)
Basic Unit Width	50 3/16"	60 3/16"	70 3/16"	80 3/16"	90 3/16"	100 3/16"	120 3/16"	130 3/16"	150 3/16"

Rough Opening Width = Basic Unit Width + 3/4"

Rough Opening Height = Basic Unit Height + 1/2"

<sup>4</sup> Will use narrow operator with bracket.

See Pages 39, 44, 45, 46 for Section Details.

# ALUMINUM CLAD WOOD AWNING WINDOWS



ALUMINUM CLAD WOOD WINDOWS  
AWNING, 1-WIDE, WITH FIXED CASEMENT PICTURE

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
15 35 / 15 15 -1W	18 1/16" x 50 7/8"	(532 x 1546)	18 3/16" x 50 3/8"
15 43 / 15 15 -1W	18 1/16" x 58 7/8"	(532 x 1749)	18 3/16" x 58 3/8"
15 47 / 15 15 -1W	18 1/16" x 60 7/8"	(532 x 1851)	18 3/16" x 60 3/8"
15 55 / 15 15 -1W	18 1/16" x 68 7/8"	(532 x 2054)	18 3/16" x 68 3/8"
15 59 / 15 15 -1W	18 1/16" x 70 7/8"	(532 x 2156)	18 3/16" x 70 3/8"
15 67 / 15 15 -1W	18 1/16" x 78 7/8"	(532 x 2359)	18 3/16" x 78 3/8"
<hr/>			
15 35 / 15 19 -1W	18 1/16" x 54 7/8"	(532 x 1648)	18 3/16" x 54 3/8"
15 43 / 15 19 -1W	18 1/16" x 60 7/8"	(532 x 1851)	18 3/16" x 60 3/8"
15 47 / 15 19 -1W	18 1/16" x 64 7/8"	(532 x 1953)	18 3/16" x 64 3/8"
15 55 / 15 19 -1W	18 1/16" x 70 7/8"	(532 x 2156)	18 3/16" x 70 3/8"
15 59 / 15 19 -1W	18 1/16" x 74 7/8"	(532 x 2257)	18 3/16" x 74 3/8"
<hr/>			
15 35 / 15 23 -1W	18 1/16" x 58 7/8"	(532 x 1749)	18 3/16" x 58 3/8"
15 43 / 15 23 -1W	18 1/16" x 64 7/8"	(532 x 1953)	18 3/16" x 64 3/8"
15 47 / 15 23 -1W	18 1/16" x 68 7/8"	(532 x 2054)	18 3/16" x 68 3/8"
15 55 / 15 23 -1W	18 1/16" x 74 7/8"	(532 x 2257)	18 3/16" x 74 3/8"
15 59 / 15 23 -1W	18 1/16" x 78 7/8"	(532 x 2359)	18 3/16" x 78 3/8"
<hr/>			
19 35 / 19 15 -1W	20 1/16" x 50 7/8"	(633 x 1546)	20 3/16" x 50 3/8"
19 43 / 19 15 -1W	20 1/16" x 58 7/8"	(633 x 1749)	20 3/16" x 58 3/8"
19 47 / 19 15 -1W	20 1/16" x 60 7/8"	(633 x 1851)	20 3/16" x 60 3/8"
19 55 / 19 15 -1W	20 1/16" x 68 7/8"	(633 x 2054)	20 3/16" x 68 3/8"
19 59 / 19 15 -1W	20 1/16" x 70 7/8"	(633 x 2156)	20 3/16" x 70 3/8"
19 67 / 19 15 -1W	20 1/16" x 78 7/8"	(633 x 2359)	20 3/16" x 78 3/8"
<hr/>			
19 35 / 19 19 -1W	20 1/16" x 54 7/8"	(633 x 1648)	20 3/16" x 54 3/8"
19 43 / 19 19 -1W	20 1/16" x 60 7/8"	(633 x 1851)	20 3/16" x 60 3/8"
19 47 / 19 19 -1W	20 1/16" x 64 7/8"	(633 x 1953)	20 3/16" x 64 3/8"
19 55 / 19 19 -1W	20 1/16" x 70 7/8"	(633 x 2156)	20 3/16" x 70 3/8"
19 59 / 19 19 -1W	20 1/16" x 74 7/8"	(633 x 2257)	20 3/16" x 74 3/8"
<hr/>			
19 35 / 19 23 -1W	20 1/16" x 58 7/8"	(633 x 1749)	20 3/16" x 58 3/8"
19 43 / 19 23 -1W	20 1/16" x 64 7/8"	(633 x 1953)	20 3/16" x 64 3/8"
19 47 / 19 23 -1W	20 1/16" x 68 7/8"	(633 x 2054)	20 3/16" x 68 3/8"
19 55 / 19 23 -1W	20 1/16" x 74 7/8"	(633 x 2257)	20 3/16" x 74 3/8"
19 59 / 19 23 -1W	20 1/16" x 78 7/8"	(633 x 2359)	20 3/16" x 78 3/8"
<hr/>			
19 35 / 19 27 -1W	20 1/16" x 60 7/8"	(633 x 1851)	20 3/16" x 60 3/8"
19 43 / 19 27 -1W	20 1/16" x 68 7/8"	(633 x 2054)	20 3/16" x 68 3/8"
19 47 / 19 27 -1W	20 1/16" x 70 7/8"	(633 x 2156)	20 3/16" x 70 3/8"
19 55 / 19 27 -1W	20 1/16" x 78 7/8"	(633 x 2359)	20 3/16" x 78 3/8"
<hr/>			
23 35 / 23 15 -1W	24 1/16" x 50 7/8"	(735 x 1546)	24 3/16" x 50 3/8"
23 43 / 23 15 -1W	24 1/16" x 58 7/8"	(735 x 1749)	24 3/16" x 58 3/8"
23 47 / 23 15 -1W	24 1/16" x 60 7/8"	(735 x 1851)	24 3/16" x 60 3/8"
23 55 / 23 15 -1W	24 1/16" x 68 7/8"	(735 x 2054)	24 3/16" x 68 3/8"
23 59 / 23 15 -1W	24 1/16" x 70 7/8"	(735 x 2156)	24 3/16" x 70 3/8"
23 67 / 23 15 -1W	24 1/16" x 78 7/8"	(735 x 2359)	24 3/16" x 78 3/8"

(continued)



(continued)  
ALUMINUM CLAD WOOD WINDOWS  
AWNING, 1-WIDE, WITH FIXED CASEMENT PICTURE

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
23 35 / 23 19 -1W	24 1/16" x 54 7/8"	(735 x 1646)	24 3/16" x 54 3/8"
23 43 / 23 19 -1W	24 1/16" x 60 7/8"	(735 x 1849)	24 3/16" x 60 3/8"
23 47 / 23 19 -1W	24 1/16" x 64 7/8"	(735 x 1951)	24 3/16" x 64 3/8"
23 55 / 23 19 -1W	24 1/16" x 70 7/8"	(735 x 2154)	24 3/16" x 70 3/8"
23 59 / 23 19 -1W	24 1/16" x 74 7/8"	(735 x 2256)	24 3/16" x 74 3/8"
<hr/>			
23 35 / 23 23 -1W	24 1/16" x 58 7/8"	(735 x 1748)	24 3/16" x 58 3/8"
23 43 / 23 23 -1W	24 1/16" x 64 7/8"	(735 x 1951)	24 3/16" x 64 3/8"
23 47 / 23 23 -1W	24 1/16" x 68 7/8"	(735 x 2053)	24 3/16" x 68 3/8"
23 55 / 23 23 -1W	24 1/16" x 74 7/8"	(735 x 2256)	24 3/16" x 74 3/8"
23 59 / 23 23 -1W	24 1/16" x 78 7/8"	(735 x 2357)	24 3/16" x 78 3/8"
<hr/>			
23 35 / 23 27 -1W	24 1/16" x 60 7/8"	(735 x 1849)	24 3/16" x 60 3/8"
23 43 / 23 27 -1W	24 1/16" x 68 7/8"	(735 x 2053)	24 3/16" x 68 3/8"
23 47 / 23 27 -1W	24 1/16" x 70 7/8"	(735 x 2154)	24 3/16" x 70 3/8"
23 55 / 23 27 -1W	24 1/16" x 78 7/8"	(735 x 2357)	24 3/16" x 78 3/8"
<hr/>			
27 35 / 27 15 -1W	28 1/16" x 50 7/8"	(837 x 1545)	28 3/16" x 50 3/8"
27 43 / 27 15 -1W	28 1/16" x 58 7/8"	(837 x 1748)	28 3/16" x 58 3/8"
27 47 / 27 15 -1W	28 1/16" x 60 7/8"	(837 x 1849)	28 3/16" x 60 3/8"
27 55 / 27 15 -1W	28 1/16" x 68 7/8"	(837 x 2053)	28 3/16" x 68 3/8"
27 59 / 27 15 -1W	28 1/16" x 70 7/8"	(837 x 2154)	28 3/16" x 70 3/8"
27 67 / 27 15 -1W	28 1/16" x 78 7/8"	(837 x 2357)	28 3/16" x 78 3/8"
<hr/>			
27 35 / 27 19 -1W	28 1/16" x 54 7/8"	(837 x 1646)	28 3/16" x 54 3/8"
27 43 / 27 19 -1W	28 1/16" x 60 7/8"	(837 x 1849)	28 3/16" x 60 3/8"
27 47 / 27 19 -1W	28 1/16" x 64 7/8"	(837 x 1951)	28 3/16" x 64 3/8"
27 55 / 27 19 -1W	28 1/16" x 70 7/8"	(837 x 2154)	28 3/16" x 70 3/8"
27 59 / 27 19 -1W	28 1/16" x 74 7/8"	(837 x 2256)	28 3/16" x 74 3/8"
<hr/>			
27 35 / 27 23 -1W	28 1/16" x 58 7/8"	(837 x 1748)	28 3/16" x 58 3/8"
27 43 / 27 23 -1W	28 1/16" x 64 7/8"	(837 x 1951)	28 3/16" x 64 3/8"
27 47 / 27 23 -1W	28 1/16" x 68 7/8"	(837 x 2053)	28 3/16" x 68 3/8"
27 55 / 27 23 -1W	28 1/16" x 74 7/8"	(837 x 2154)	28 3/16" x 74 3/8"
27 59 / 27 23 -1W	28 1/16" x 78 7/8"	(837 x 2357)	28 3/16" x 78 3/8"
<hr/>			
27 35 / 27 27 -1W	28 1/16" x 60 7/8"	(837 x 1849)	28 3/16" x 60 3/8"
27 43 / 27 27 -1W	28 1/16" x 68 7/8"	(837 x 2053)	28 3/16" x 68 3/8"
27 47 / 27 27 -1W	28 1/16" x 70 7/8"	(837 x 2154)	28 3/16" x 70 3/8"
27 55 / 27 27 -1W	28 1/16" x 78 7/8"	(837 x 2357)	28 3/16" x 78 3/8"
<hr/>			
31 35 / 31 15 -1W	30 1/16" x 50 7/8"	(938 x 1545)	30 3/16" x 50 3/8"
31 43 / 31 15 -1W	30 1/16" x 58 7/8"	(938 x 1748)	30 3/16" x 58 3/8"
31 47 / 31 15 -1W	30 1/16" x 60 7/8"	(938 x 1849)	30 3/16" x 60 3/8"
31 55 / 31 15 -1W	30 1/16" x 68 7/8"	(938 x 2053)	30 3/16" x 68 3/8"
31 59 / 31 15 -1W	30 1/16" x 70 7/8"	(938 x 2154)	30 3/16" x 70 3/8"
31 67 / 31 15 -1W	30 1/16" x 78 7/8"	(938 x 2357)	30 3/16" x 78 3/8"
<hr/>			
31 35 / 31 19 -1W	30 1/16" x 54 7/8"	(938 x 1646)	30 3/16" x 54 3/8"
31 43 / 31 19 -1W	30 1/16" x 60 7/8"	(938 x 1849)	30 3/16" x 60 3/8"
31 47 / 31 19 -1W	30 1/16" x 64 7/8"	(938 x 1951)	30 3/16" x 64 3/8"
31 55 / 31 19 -1W	30 1/16" x 70 7/8"	(938 x 2154)	30 3/16" x 70 3/8"
31 59 / 31 19 -1W	30 1/16" x 74 7/8"	(938 x 2256)	30 3/16" x 74 3/8"

(continued)

Rough Opening Width = Basic Unit Width + 3/4"

Rough Opening Height = Basic Unit Height + 1/2"

See Pages 39, 44, 45, 46 for Section Details.

# ALUMINUM CLAD WOOD AWNING WINDOWS



(continued)  
ALUMINUM CLAD WOOD WINDOWS  
AWNING, 1-WIDE, WITH FIXED CASEMENT PICTURE

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
31 35 / 31 23 -1W	3'0 1/16" x 5'8 7/8"	(938 x 1749)	3'0 3/16" x 5'8 3/8"
31 43 / 31 23 -1W	3'0 1/16" x 6'4 7/8"	(938 x 1953)	3'0 3/16" x 6'4 3/8"
31 47 / 31 23 -1W	3'0 1/16" x 6'8 7/8"	(938 x 2054)	3'0 3/16" x 6'8 3/8"
31 55 / 31 23 -1W	3'0 1/16" x 7'4 7/8"	(938 x 2257)	3'0 3/16" x 7'4 3/8"
31 59 / 31 23 -1W	3'0 1/16" x 7'8 7/8"	(938 x 2359)	3'0 3/16" x 7'8 3/8"
31 35 / 31 27 -1W	3'0 1/16" x 6'0 7/8"	(938 x 1851)	3'0 3/16" x 6'0 3/8"
31 43 / 31 27 -1W	3'0 1/16" x 6'8 7/8"	(938 x 2054)	3'0 3/16" x 6'8 3/8"
31 47 / 31 27 -1W	3'0 1/16" x 7'0 7/8"	(938 x 2156)	3'0 3/16" x 7'0 3/8"
31 55 / 31 27 -1W	3'0 1/16" x 7'8 7/8"	(938 x 2359)	3'0 3/16" x 7'8 3/8"
31 35 / 31 31 -1W	3'0 1/16" x 6'4 7/8"	(938 x 1953)	3'0 3/16" x 6'4 3/8"
31 43 / 31 31 -1W	3'0 1/16" x 7'0 7/8"	(938 x 2156)	3'0 3/16" x 7'0 3/8"
31 47 / 31 31 -1W	3'0 1/16" x 7'4 7/8"	(938 x 2257)	3'0 3/16" x 7'4 3/8"
35 35 / 35 15 -1W	3'4 1/16" x 5'0 7/8"	(1040 x 1546)	3'4 3/16" x 5'0 3/8"
35 43 / 35 15 -1W	3'4 1/16" x 5'8 7/8"	(1040 x 1749)	3'4 3/16" x 5'8 3/8"
35 47 / 35 15 -1W	3'4 1/16" x 6'0 7/8"	(1040 x 1851)	3'4 3/16" x 6'0 3/8"
35 55 / 35 15 -1W	3'4 1/16" x 6'8 7/8"	(1040 x 2054)	3'4 3/16" x 6'8 3/8"
35 59 / 35 15 -1W	3'4 1/16" x 7'0 7/8"	(1040 x 2156)	3'4 3/16" x 7'0 3/8"
35 67 / 35 15 -1W	3'4 1/16" x 7'8 7/8"	(1040 x 2359)	3'4 3/16" x 7'8 3/8"
35 35 / 35 19 -1W	3'4 1/16" x 5'4 7/8"	(1040 x 1648)	3'4 3/16" x 5'4 3/8"
35 43 / 35 19 -1W	3'4 1/16" x 6'0 7/8"	(1040 x 1851)	3'4 3/16" x 6'0 3/8"
35 47 / 35 19 -1W	3'4 1/16" x 6'4 7/8"	(1040 x 1953)	3'4 3/16" x 6'4 3/8"
35 55 / 35 19 -1W	3'4 1/16" x 7'0 7/8"	(1040 x 2156)	3'4 3/16" x 7'0 3/8"
35 59 / 35 19 -1W	3'4 1/16" x 7'4 7/8"	(1040 x 2257)	3'4 3/16" x 7'4 3/8"
35 35 / 35 23 -1W	3'4 1/16" x 5'8 7/8"	(1040 x 1749)	3'4 3/16" x 5'8 3/8"
35 43 / 35 23 -1W	3'4 1/16" x 6'4 7/8"	(1040 x 1953)	3'4 3/16" x 6'4 3/8"
35 47 / 35 23 -1W	3'4 1/16" x 6'8 7/8"	(1040 x 2054)	3'4 3/16" x 6'8 3/8"
35 55 / 35 23 -1W	3'4 1/16" x 7'4 7/8"	(1040 x 2257)	3'4 3/16" x 7'4 3/8"
35 59 / 35 23 -1W	3'4 1/16" x 7'8 7/8"	(1040 x 2359)	3'4 3/16" x 7'8 3/8"
35 35 / 35 27 -1W	3'4 1/16" x 6'0 7/8"	(1040 x 1851)	3'4 3/16" x 6'0 3/8"
35 43 / 35 27 -1W	3'4 1/16" x 6'8 7/8"	(1040 x 2054)	3'4 3/16" x 6'8 3/8"
35 47 / 35 27 -1W	3'4 1/16" x 7'0 7/8"	(1040 x 2156)	3'4 3/16" x 7'0 3/8"
35 55 / 35 27 -1W	3'4 1/16" x 7'8 7/8"	(1040 x 2359)	3'4 3/16" x 7'8 3/8"
35 35 / 35 31 -1W	3'4 1/16" x 6'4 7/8"	(1040 x 1953)	3'4 3/16" x 6'4 3/8"
35 43 / 35 31 -1W	3'4 1/16" x 7'0 7/8"	(1040 x 2156)	3'4 3/16" x 7'0 3/8"
35 47 / 35 31 -1W	3'4 1/16" x 7'4 7/8"	(1040 x 2257)	3'4 3/16" x 7'4 3/8"
43 35 / 43 15 -1W	4'0 1/16" x 5'0 7/8"	(1243 x 1546)	4'0 3/16" x 5'0 3/8"
43 43 / 43 15 -1W	4'0 1/16" x 5'8 7/8"	(1243 x 1749)	4'0 3/16" x 5'8 3/8"
43 47 / 43 15 -1W	4'0 1/16" x 6'0 7/8"	(1243 x 1851)	4'0 3/16" x 6'0 3/8"
43 55 / 43 15 -1W	4'0 1/16" x 6'8 7/8"	(1243 x 2054)	4'0 3/16" x 6'8 3/8"
43 59 / 43 15 -1W	4'0 1/16" x 7'0 7/8"	(1243 x 2156)	4'0 3/16" x 7'0 3/8"
43 67 / 43 15 -1W	4'0 1/16" x 7'8 7/8"	(1243 x 2359)	4'0 3/16" x 7'8 3/8"

(continued)

Please note: not all combinations can be factory milled due to shipping limitations.

See Pages 39, 44, 45, 46 for Section Details.

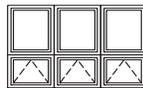


(continued)  
ALUMINUM CLAD WOOD WINDOWS  
AWNING, 1-WIDE, WITH FIXED CASEMENT PICTURE

CALLOUT	ROUGH OPENING		BASIC UNIT SIZE
	STANDARD	METRIC	
43 35 / 43 19 1W	4'0 1/16" x 5'4 7/8"	(1243 x 1648)	4'0 3/16" x 5'4 3/8"
43 43 / 43 19 1W	4'0 1/16" x 6'0 7/8"	(1243 x 1851)	4'0 3/16" x 6'0 3/8"
43 47 / 43 19 1W	4'0 1/16" x 6'4 7/8"	(1243 x 1953)	4'0 3/16" x 6'4 3/8"
43 55 / 43 19 1W	4'0 1/16" x 7'0 7/8"	(1243 x 2156)	4'0 3/16" x 7'0 3/8"
43 59 / 43 19 1W	4'0 1/16" x 7'4 7/8"	(1243 x 2257)	4'0 3/16" x 7'4 3/8"
43 35 / 43 23 1W	4'0 1/16" x 5'8 7/8"	(1243 x 1749)	4'0 3/16" x 5'8 3/8"
43 43 / 43 23 1W	4'0 1/16" x 6'4 7/8"	(1243 x 1953)	4'0 3/16" x 6'4 3/8"
43 47 / 43 23 1W	4'0 1/16" x 6'8 7/8"	(1243 x 2054)	4'0 3/16" x 6'8 3/8"
43 55 / 43 23 1W	4'0 1/16" x 7'4 7/8"	(1243 x 2257)	4'0 3/16" x 7'4 3/8"
43 59 / 43 23 1W	4'0 1/16" x 7'8 7/8"	(1243 x 2359)	4'0 3/16" x 7'8 3/8"
43 35 / 43 27 1W	4'0 1/16" x 6'0 7/8"	(1243 x 1851)	4'0 3/16" x 6'0 3/8"
43 43 / 43 27 1W	4'0 1/16" x 6'8 7/8"	(1243 x 2054)	4'0 3/16" x 6'8 3/8"
43 47 / 43 27 1W	4'0 1/16" x 7'0 7/8"	(1243 x 2156)	4'0 3/16" x 7'0 3/8"
43 55 / 43 27 1W	4'0 1/16" x 7'8 7/8"	(1243 x 2359)	4'0 3/16" x 7'8 3/8"
43 35 / 43 31 1W	4'0 1/16" x 6'4 7/8"	(1243 x 1953)	4'0 3/16" x 6'4 3/8"
43 43 / 43 31 1W	4'0 1/16" x 7'0 7/8"	(1243 x 2156)	4'0 3/16" x 7'0 3/8"
43 47 / 43 31 1W	4'0 1/16" x 7'4 7/8"	(1243 x 2257)	4'0 3/16" x 7'4 3/8"

## AWNING 2-WIDE

Callout	15-2	19-2	23-2	27-2	31-2	35-2	43-2
Rough Opening Width							
Standard (Metric)	3'5 1/8" (1045)	4'1 1/8" (1248)	4'9 1/8" (1451)	5'5 1/8" (1654)	6'1 1/8" (1857)	6'9 1/8" (2061)	8'1 1/8" (2467)
Basic Unit Width	3'4 3/8"	4'0 3/8"	4'8 3/8"	5'4 3/8"	6'0 3/8"	6'8 3/8"	8'0 3/8"



## AWNING 3-WIDE

Callout	15 -3W	19 -3W	23 -3W	27 -3W	31 -3W	35 -3W	43 -3W
Rough Opening Width							
Standard (Metric)	5'1 5/16" (1557)	6'1 5/16" (1862)	7'1 5/16" (2167)	8'1 5/16" (2471)	9'1 5/16" (2777)	10'1 5/16" (3081)	12'1 5/16" (3691)
Basic Unit Width	5'0 9/16"	6'0 9/16"	7'0 9/16"	8'0 9/16"	9'0 9/16"	10'0 9/16"	12'0 9/16"

Rough Opening Width = Basic Unit Width + 3/4"

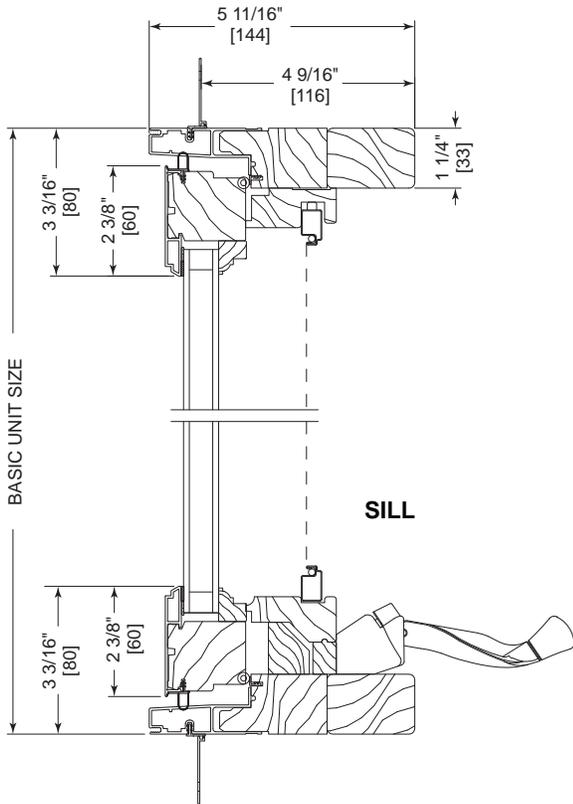
Rough Opening Height = Basic Unit Height + 1/2"

# ALUMINUM CLAD WOOD OPERATING AWNING WINDOW DETAILS

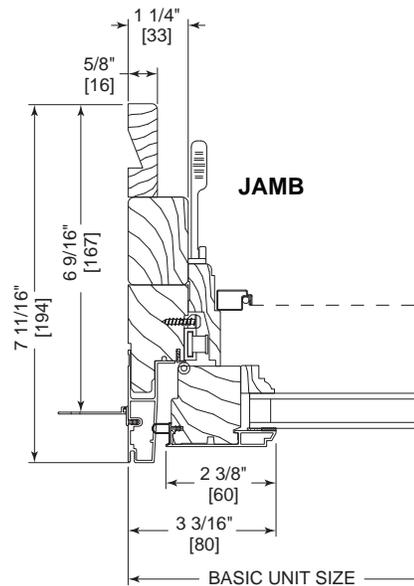
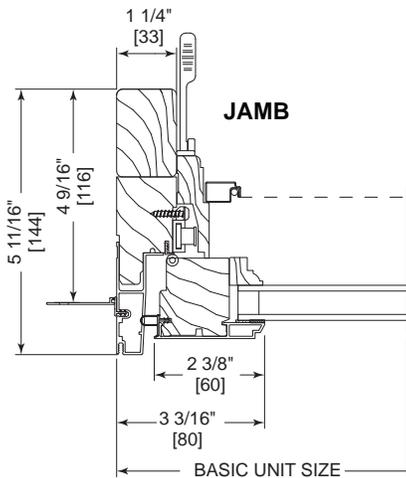
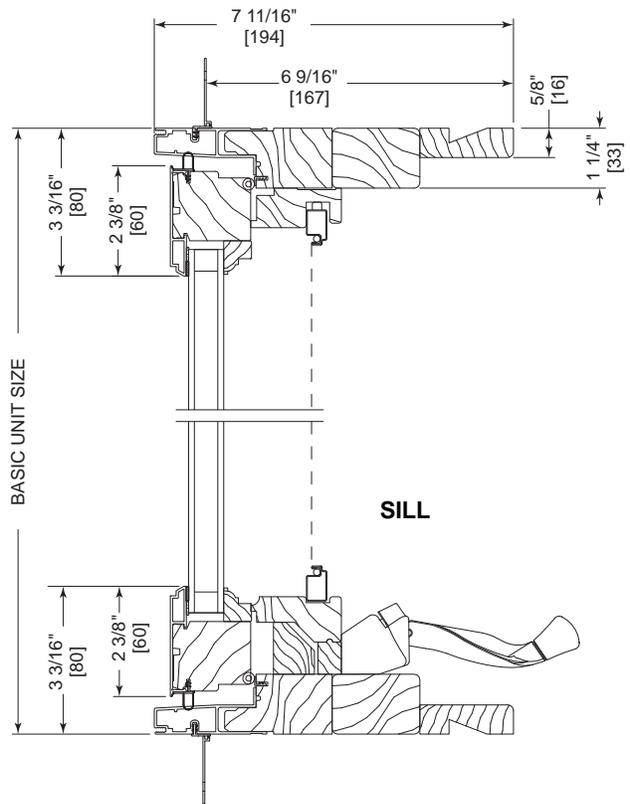
HEAD, SILL, JAMB

Scale: 3" = 1'0"

OPERATING AWNING, HEAD



OPERATING AWNING, HEAD

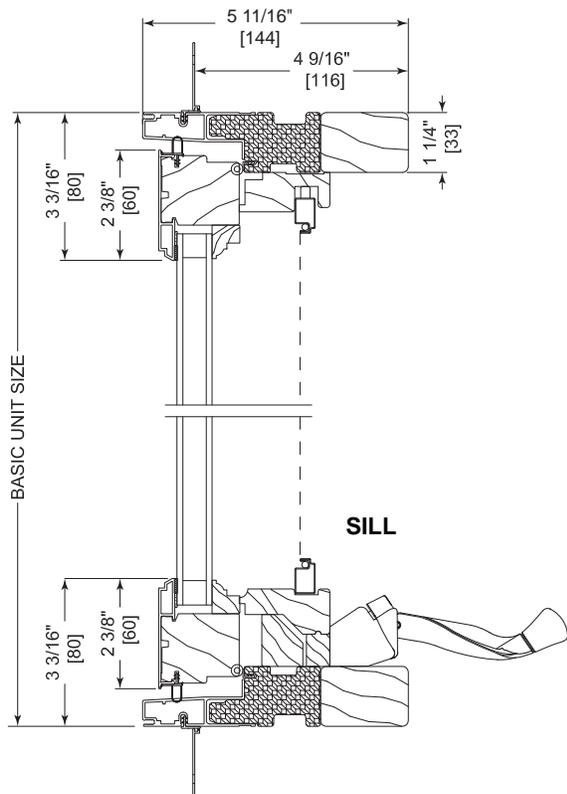


# ALUMINUM CLAD WOOD OPERATING AWNING WINDOW DETAILS, ENERGY SAVER PLUS

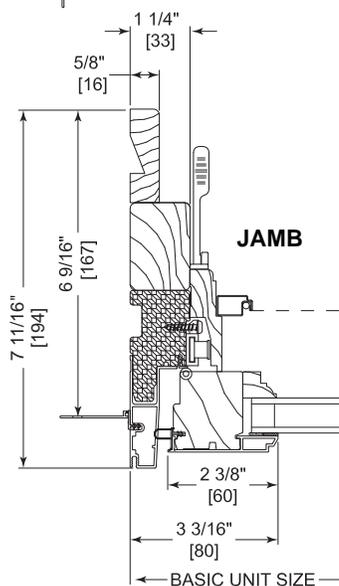
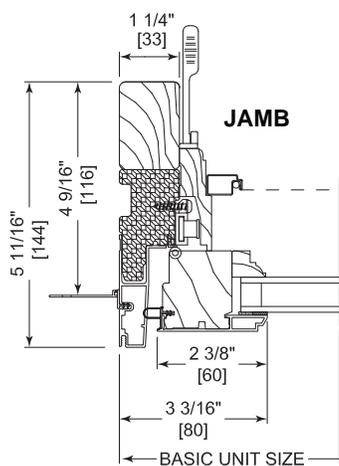
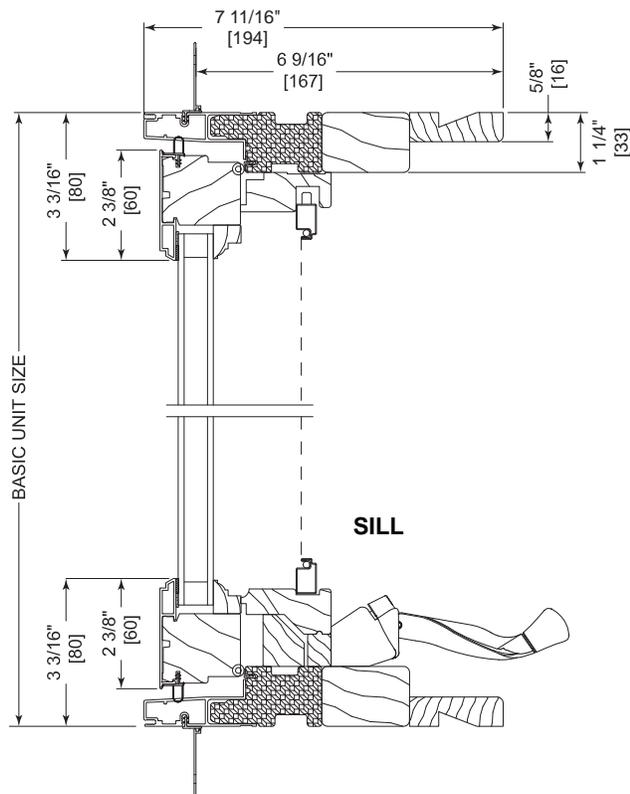
HEAD, SILL, JAMB

Scale: 3" = 1'0"

OPERATING AWNING, HEAD



OPERATING AWNING, HEAD

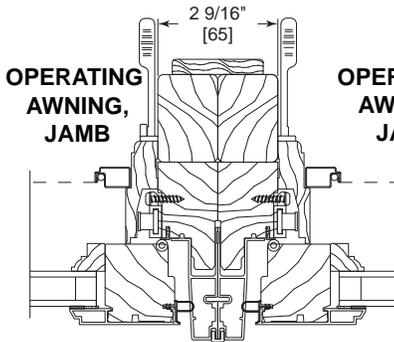


# ALUMINUM CLAD WOOD OPERATING AWNING WINDOW DETAILS

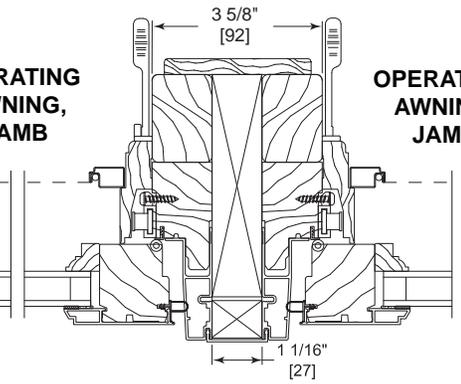
MULL, STACK

Scale: 3" = 1'0"

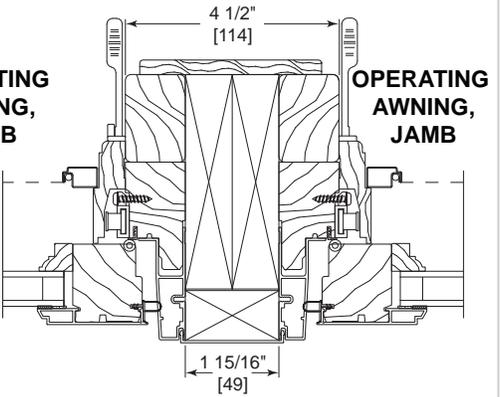
**DIRECT MULL DETAIL**



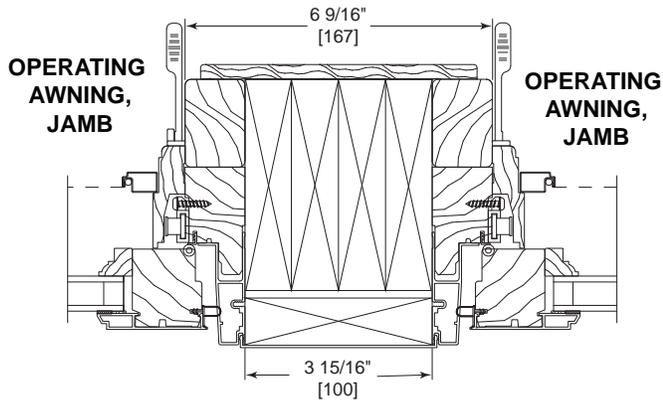
**1" SOLID SPREAD MULL DETAIL**



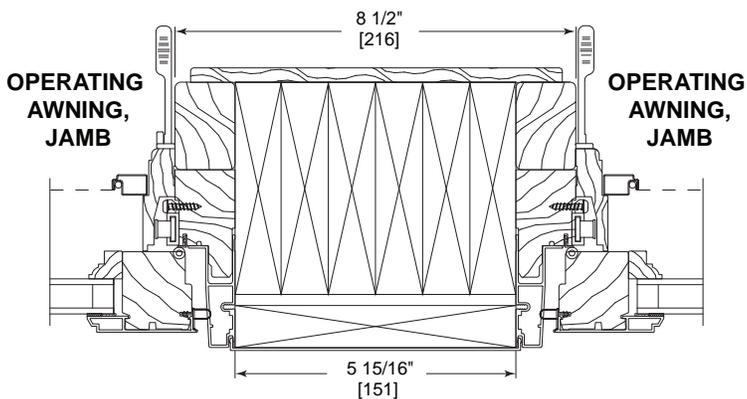
**2" SOLID SPREAD MULL DETAIL**



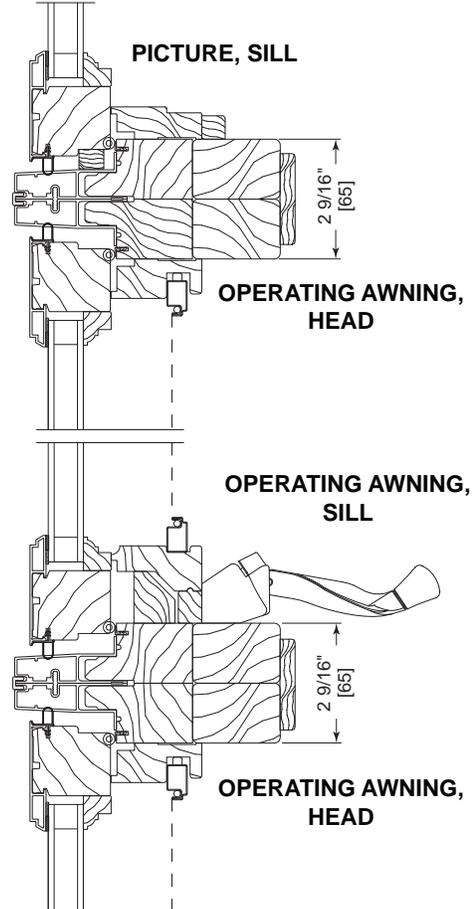
**4" SOLID SPREAD MULL DETAIL**



**6" SOLID SPREAD MULL DETAIL**

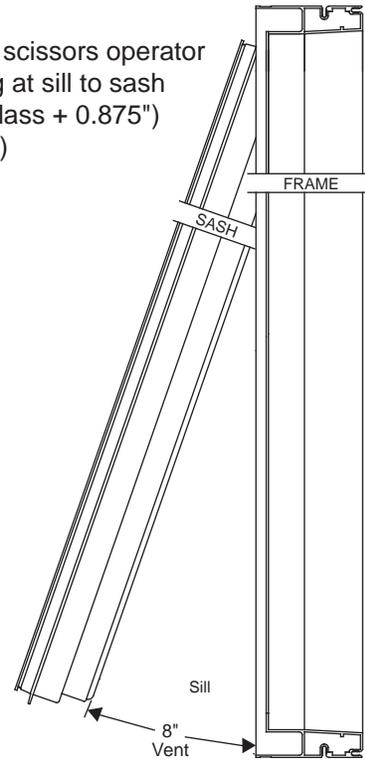


**DIRECT STACK DETAIL**



11" and 15" glass widths

11" and 15" glass widths use narrow scissors operator which provides for 8" of vent opening at sill to sash  
Total vent opening in sq. in. = 8" x (glass + 0.875")  
(Not including angled areas on sides)

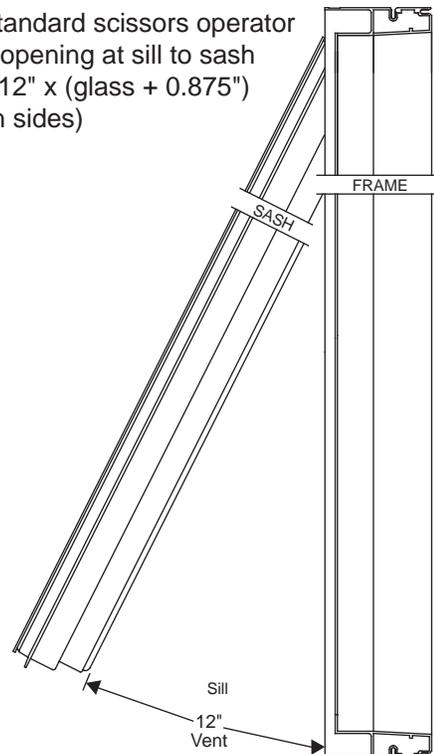


- 15" glass width =  $(8 \times 15.875) / 144 = 0.88$  sq ft Clear Opening
- 19" glass width =  $(12 \times 19.875) / 144 = 1.66$  sq ft Clear Opening
- 23" glass width =  $(12 \times 23.875) / 144 = 1.99$  sq ft Clear Opening
- 27" glass width =  $(12 \times 27.875) / 144 = 2.32$  sq ft Clear Opening
- 31" glass width =  $(12 \times 31.875) / 144 = 2.66$  sq ft Clear Opening
- 35" glass width =  $(12 \times 35.875) / 144 = 2.99$  sq ft Clear Opening
- 43" glass width =  $(12 \times 43.875) / 144 = 3.66$  sq ft Clear Opening
- 47" glass width =  $(12 \times 47.875) / 144 = 3.99$  sq ft Clear Opening
- 55" glass width =  $(12 \times 55.875) / 144 = 4.66$  sq ft Clear Opening

Sash and Frame Viewed from the side.

19" glass widths

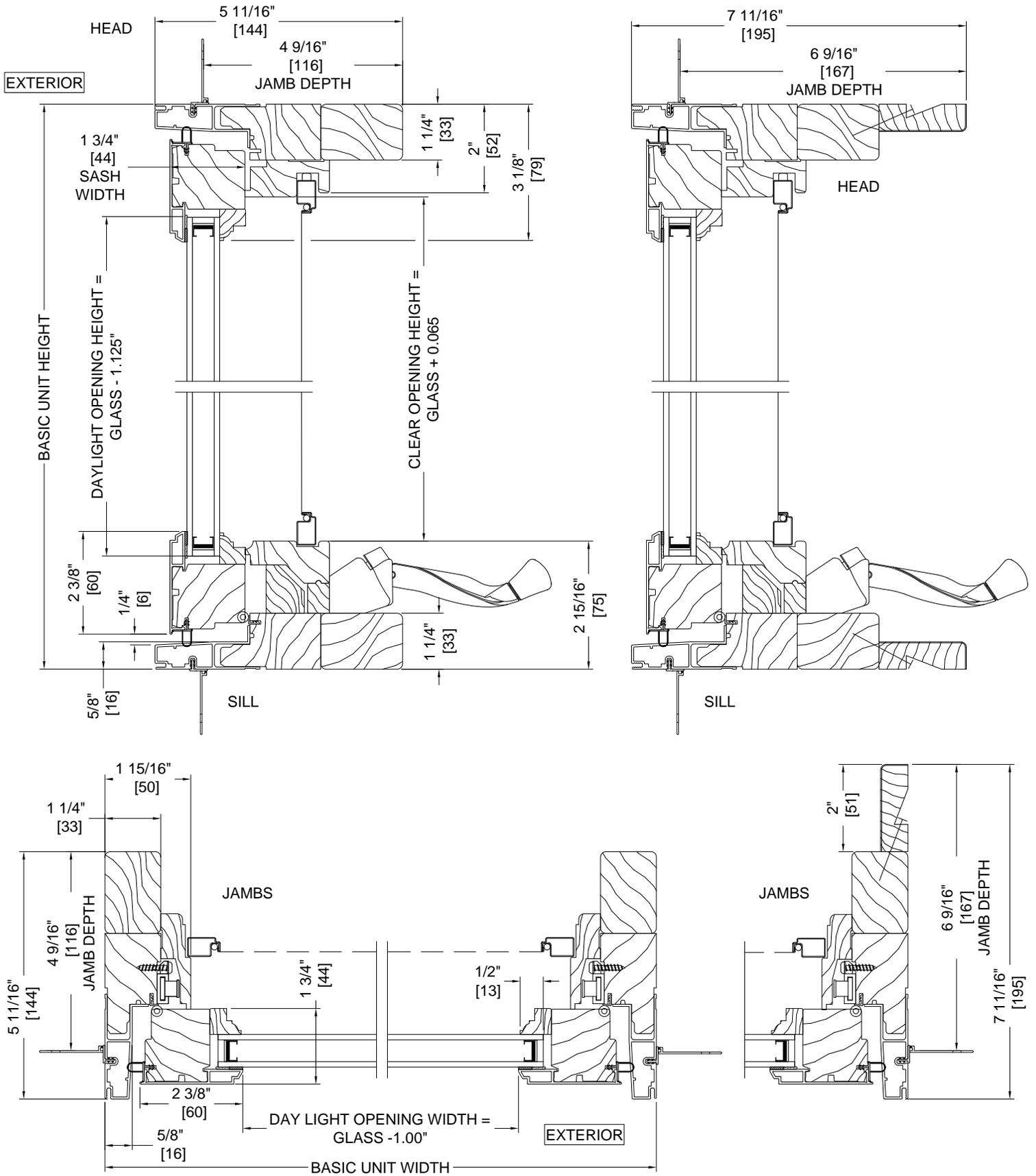
19" and up glass widths use standard scissors operator which provides for 12" of vent opening at sill to sash  
Total vent opening in sq. in. = 12" x (glass + 0.875")  
(Not including angled areas on sides)





# Aluminum Clad Wood Awning Windows

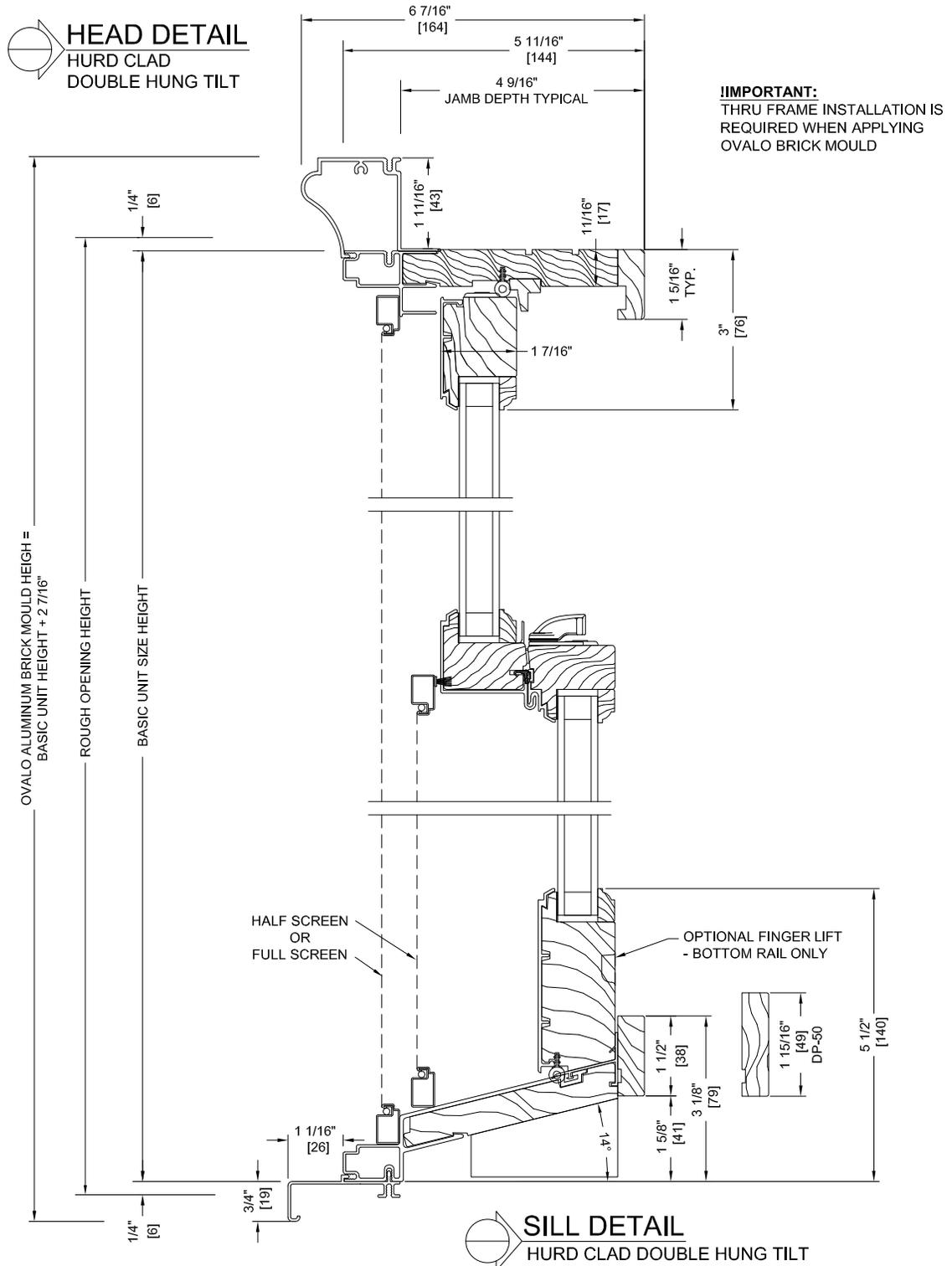
Drawn to Full Scale  
Printed to 4" = 1' Scale





# Aluminum Clad Wood Tilt Double Hung Window w/Ovalo Brick Mould

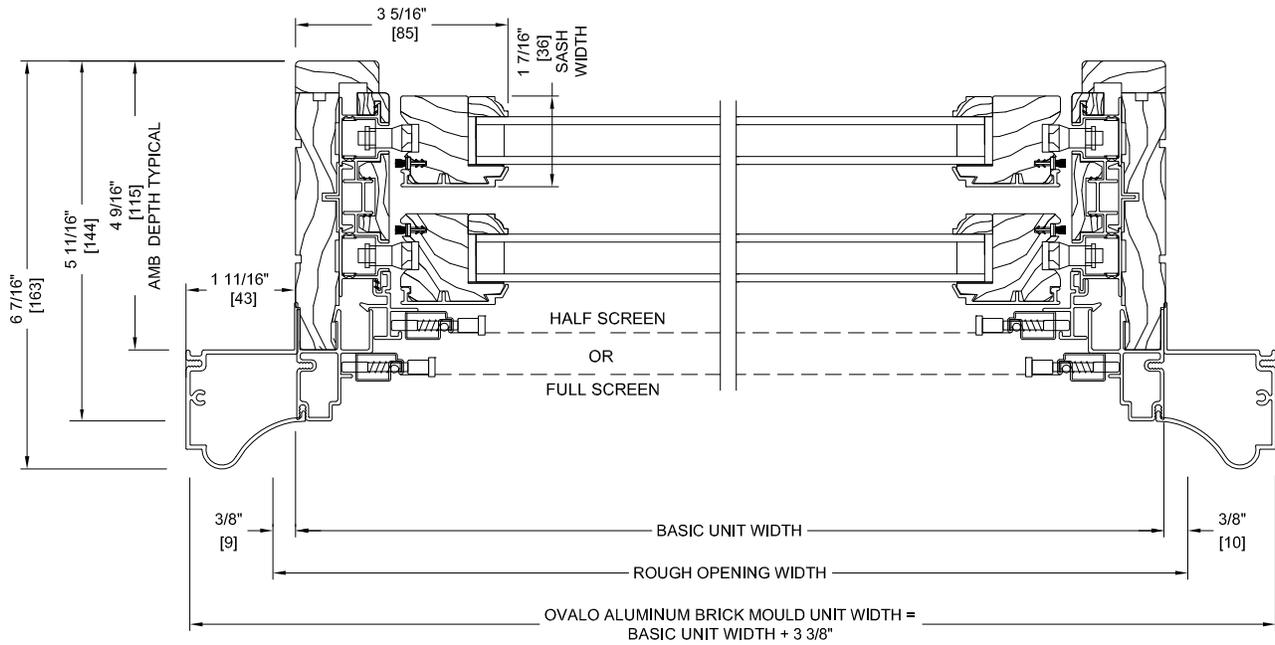
Shown with Ovalo Brick Mould  
 and Standard 3/4" Aluminum Sill Nosing



**Hurd** Aluminum Clad Wood  
 Windows and Doors  
 Tilt Double Hung Window w/Ovalo Brick Mould

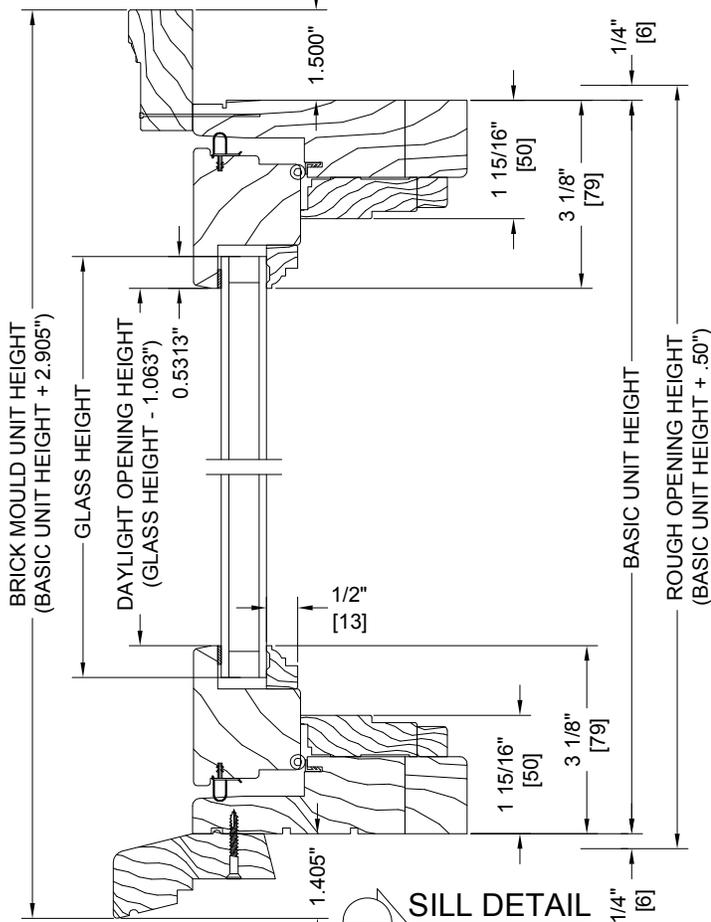
*Shown with Ovalo Brick Mould  
 and Standard 3/4" Aluminum Sill Nosing*

**IMPORTANT:**  
 THRU FRAME INSTALLATION IS  
 REQUIRED WHEN APPLYING  
 OVALO BRICK MOULD

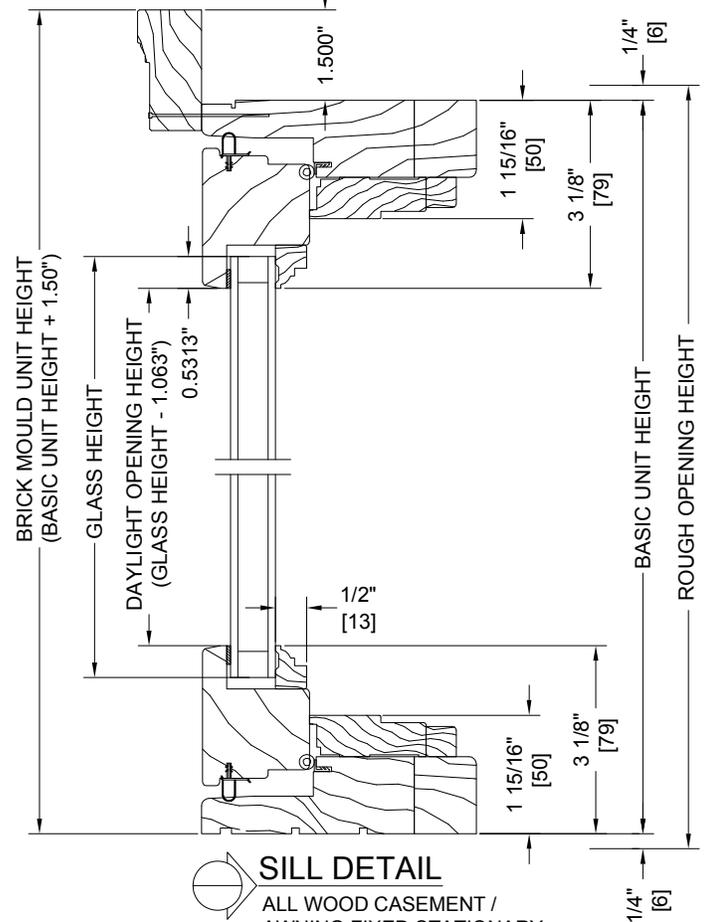


**JAMB DETAIL**  
 HURD CLAD DOUBLE HUNG TILT

**HEAD DETAIL**  
ALL WOOD CASEMENT / AWNING FIXED STATIONARY

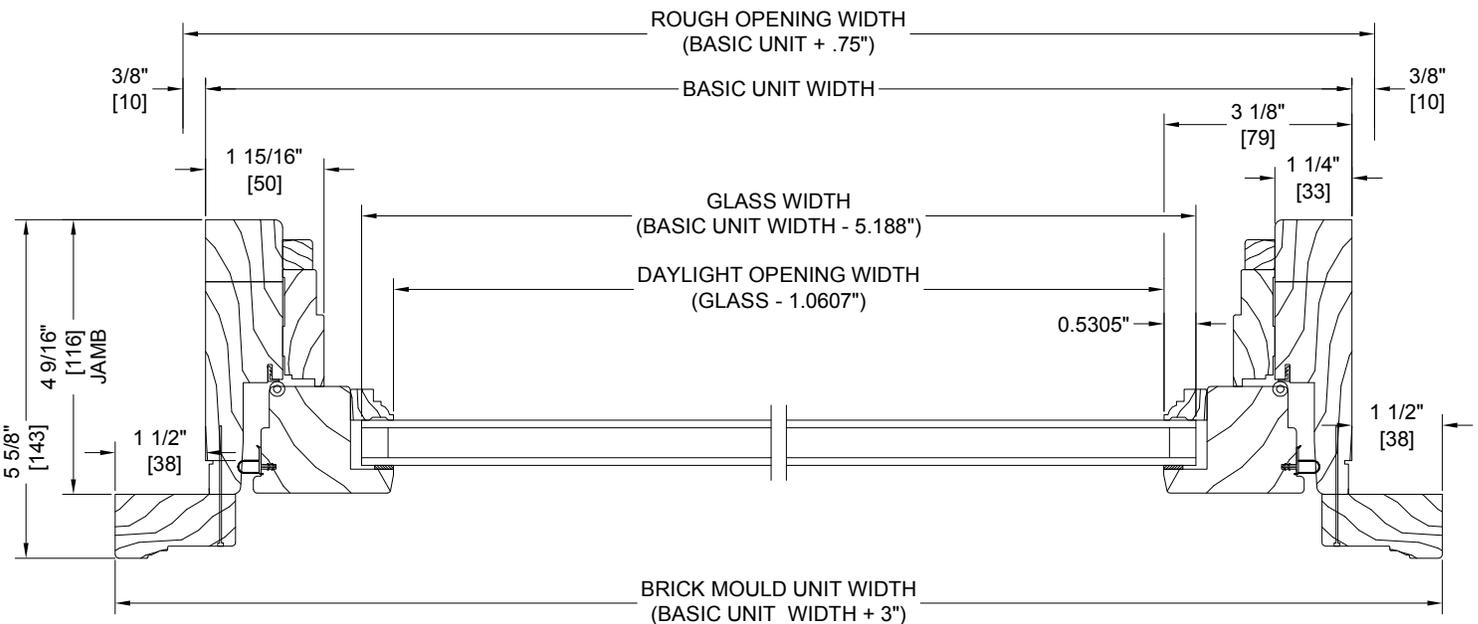


**HEAD DETAIL**  
ALL WOOD CASEMENT / AWNING FIXED STATIONARY



**SILL DETAIL**  
ALL WOOD CASEMENT / AWNING FIXED STATIONARY

**SILL DETAIL**  
ALL WOOD CASEMENT / AWNING FIXED STATIONARY, STACKABLE UNIT

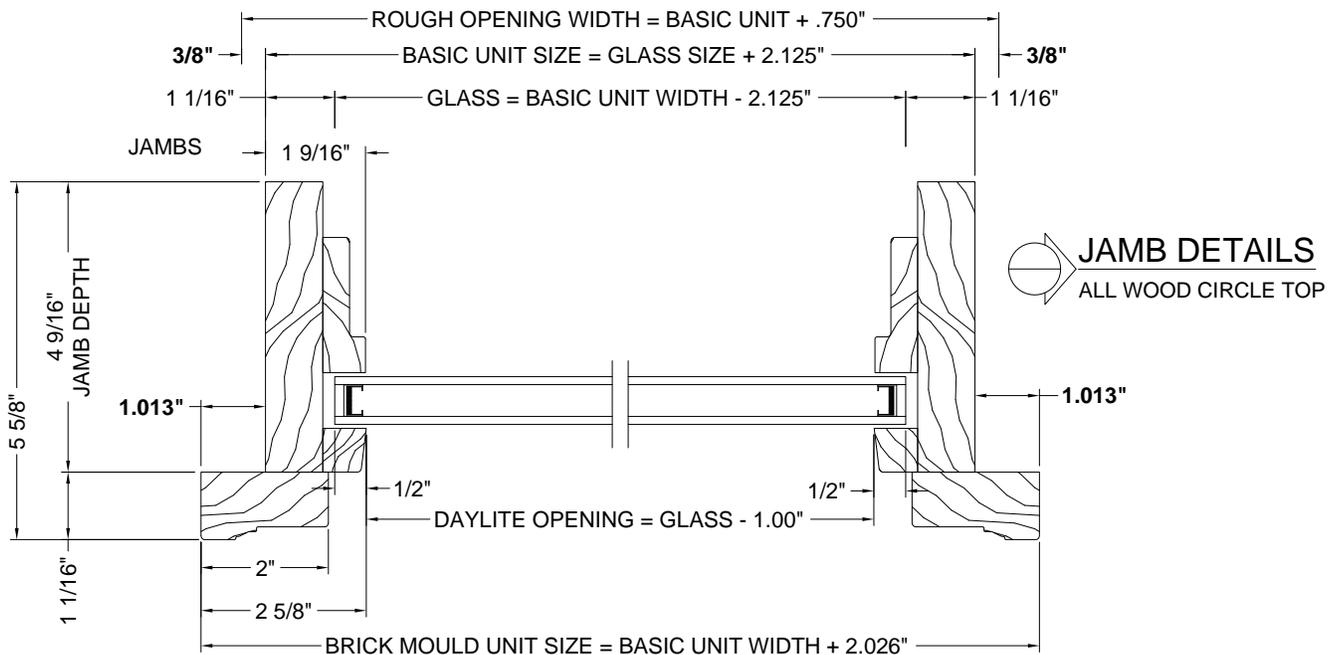
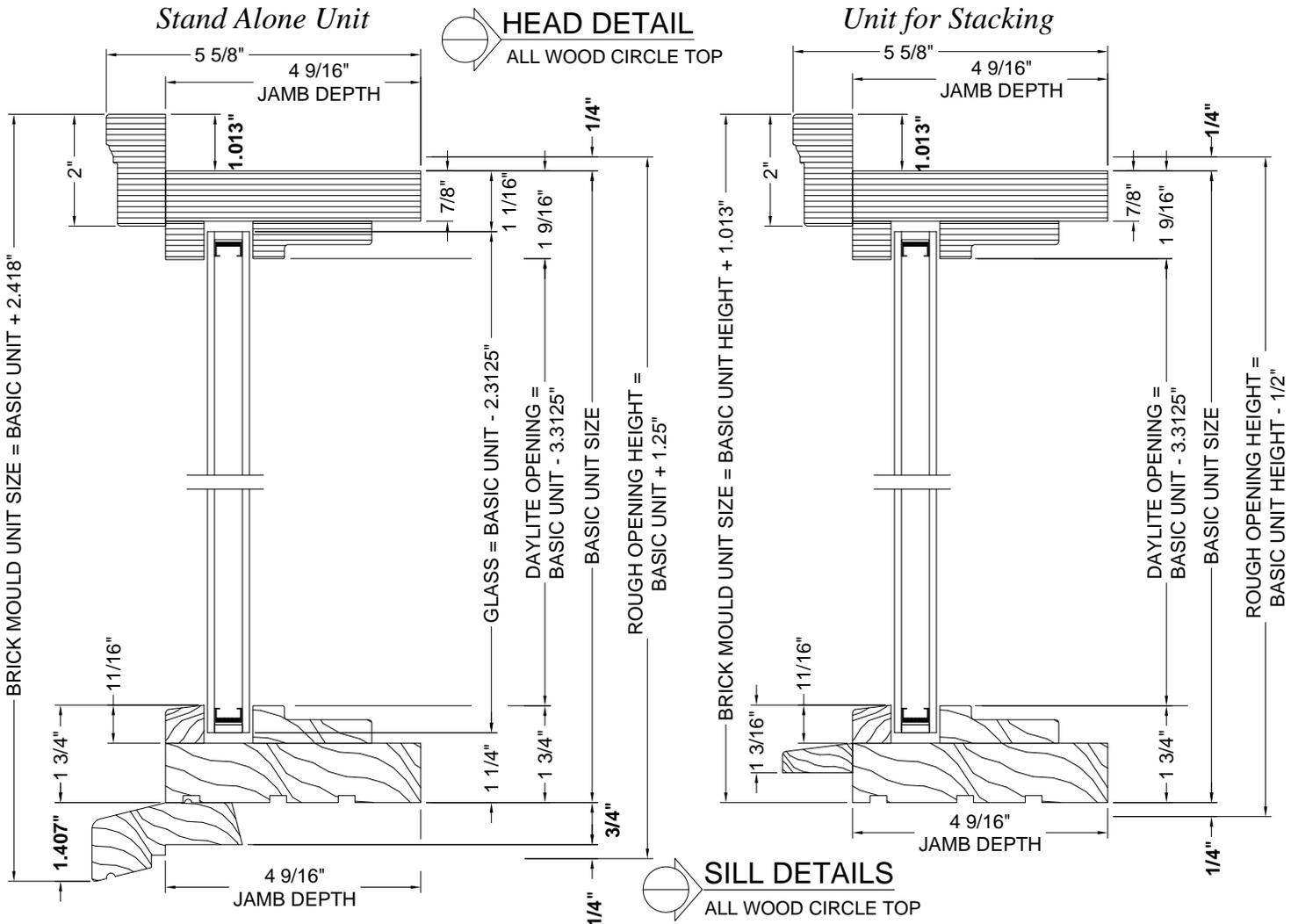


**JAMB DETAIL**



# All-Wood Circle Top Windows

Drawn to Full Scale  
Printed to 4" = 1' Scale



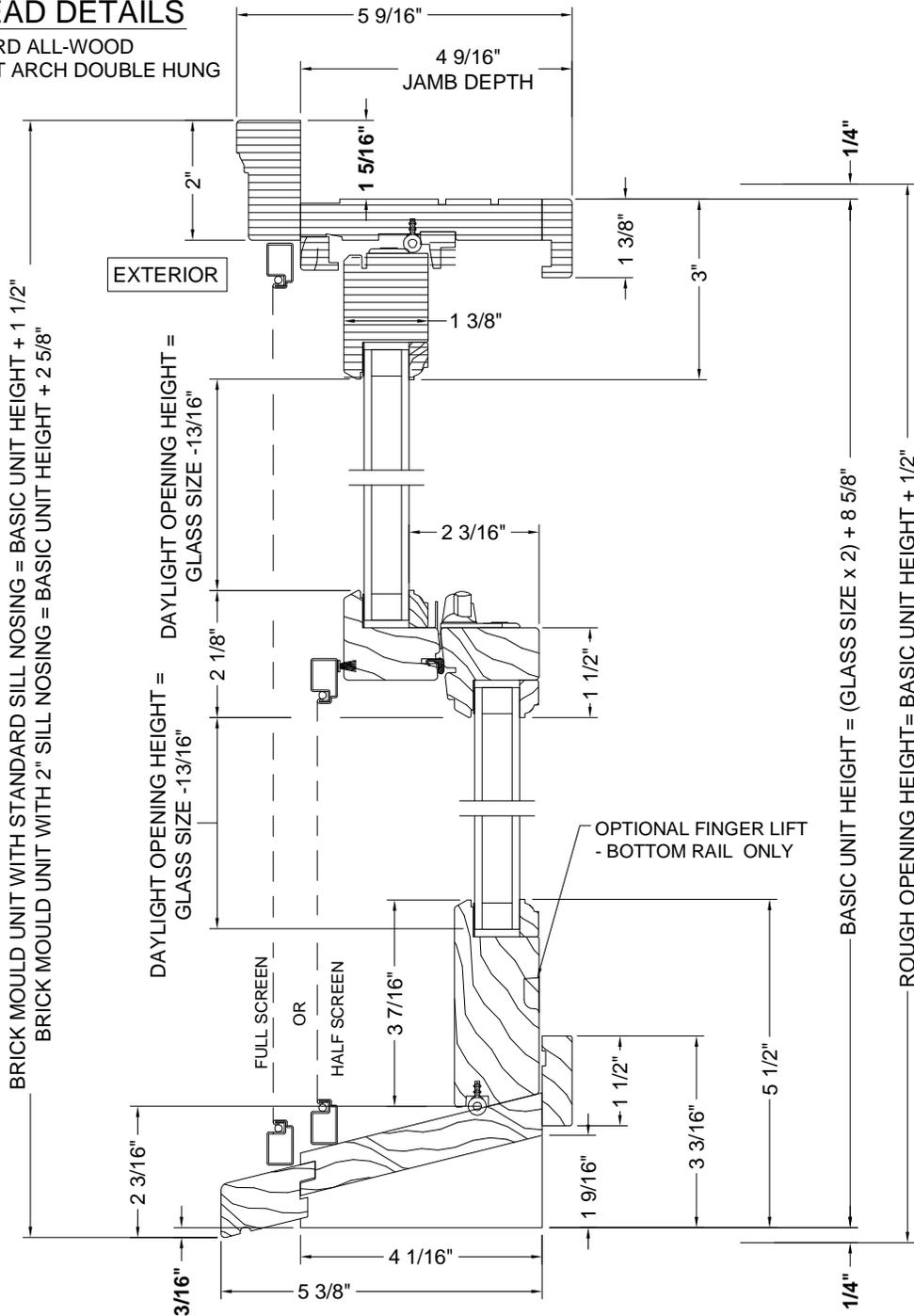


# All-Wood Tilt Arch Double Hung Windows

Drawn to Full Scale  
Printed Scale 4" = 1'

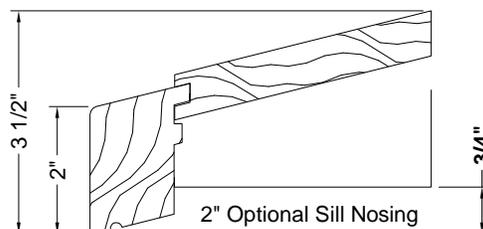
## HEAD DETAILS

HURD ALL-WOOD  
TILT ARCH DOUBLE HUNG



## SILL DETAILS

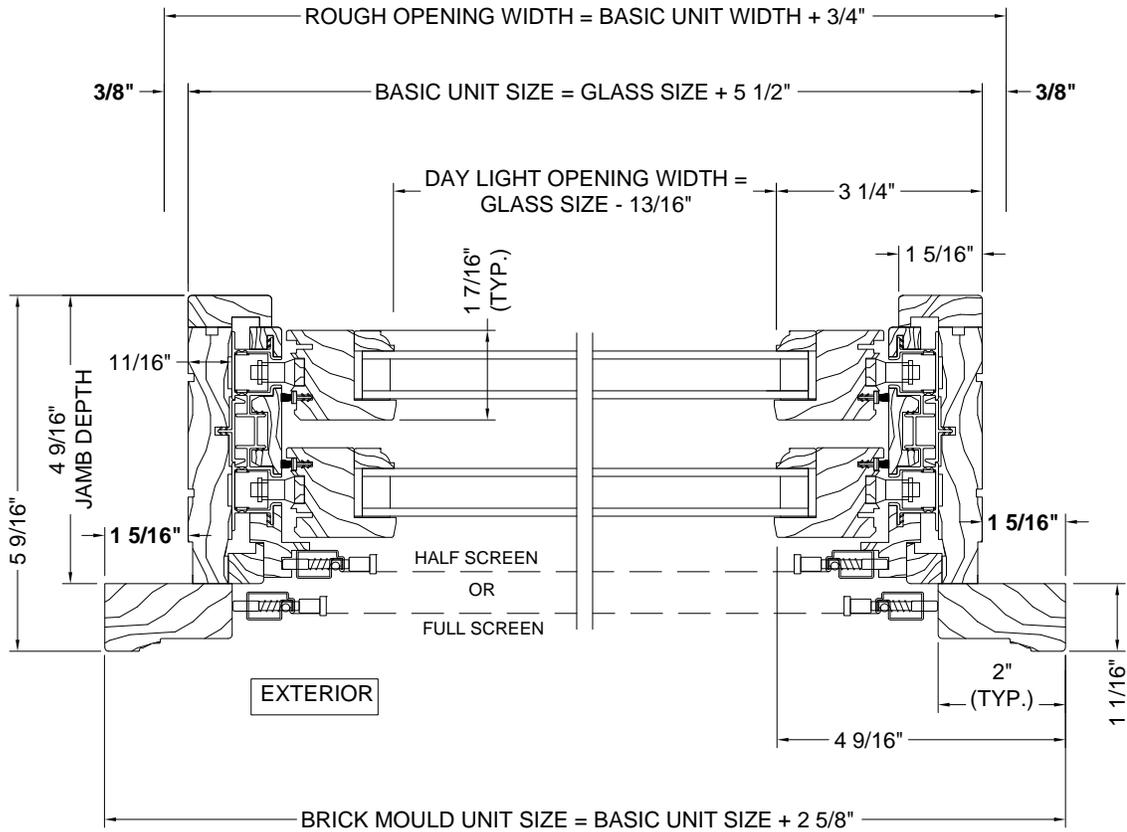
HURD ALL-WOOD TILT  
ARCH DOUBLE HUNG





# All-Wood Tilt Arch Double Hung Windows

Drawn to Full Scale  
Printed Scale 4" = 1'



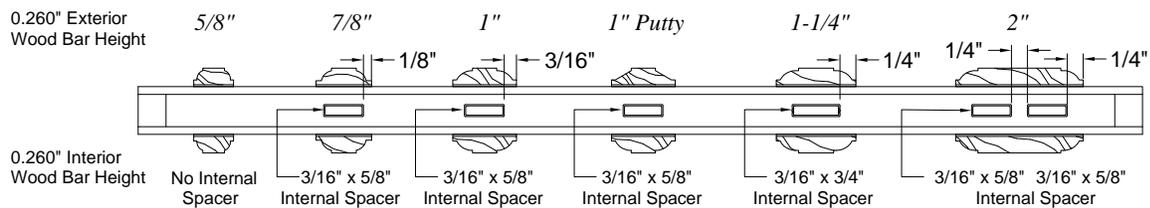
**JAMB DETAILS**  
HURD ALL-WOOD TILT ARCH DOUBLE HUNG

## GLAZING OPTIONS

### Grille In Airspace

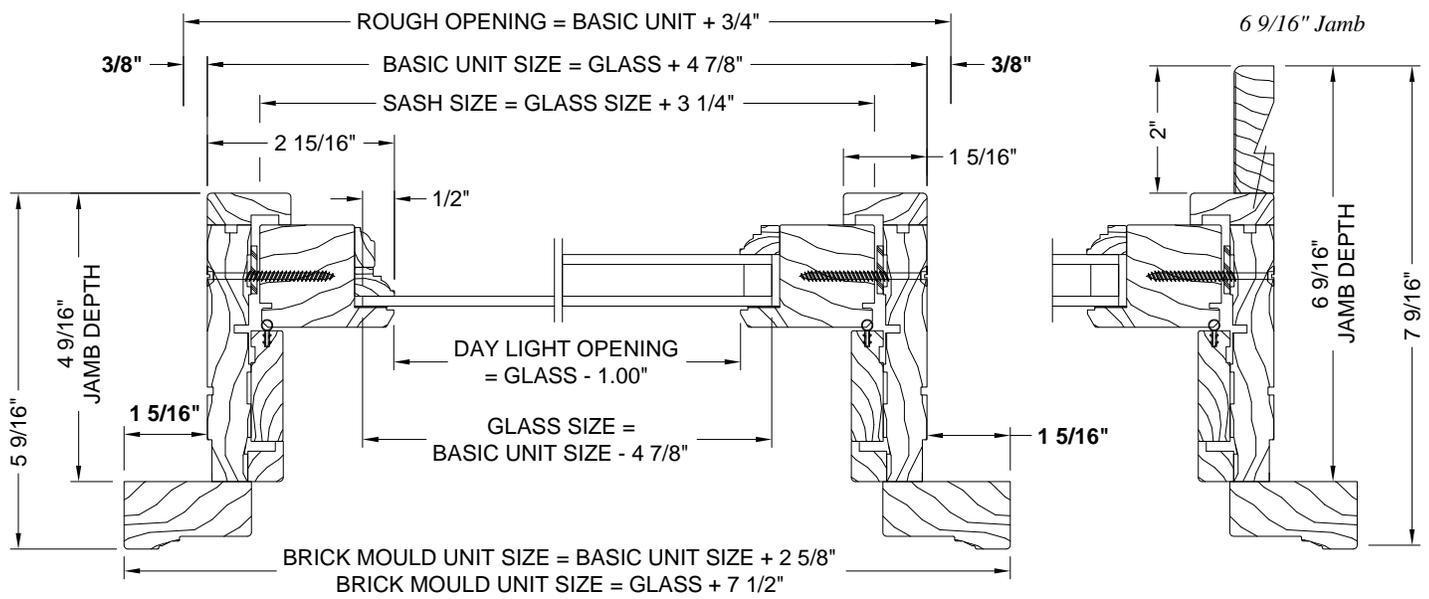
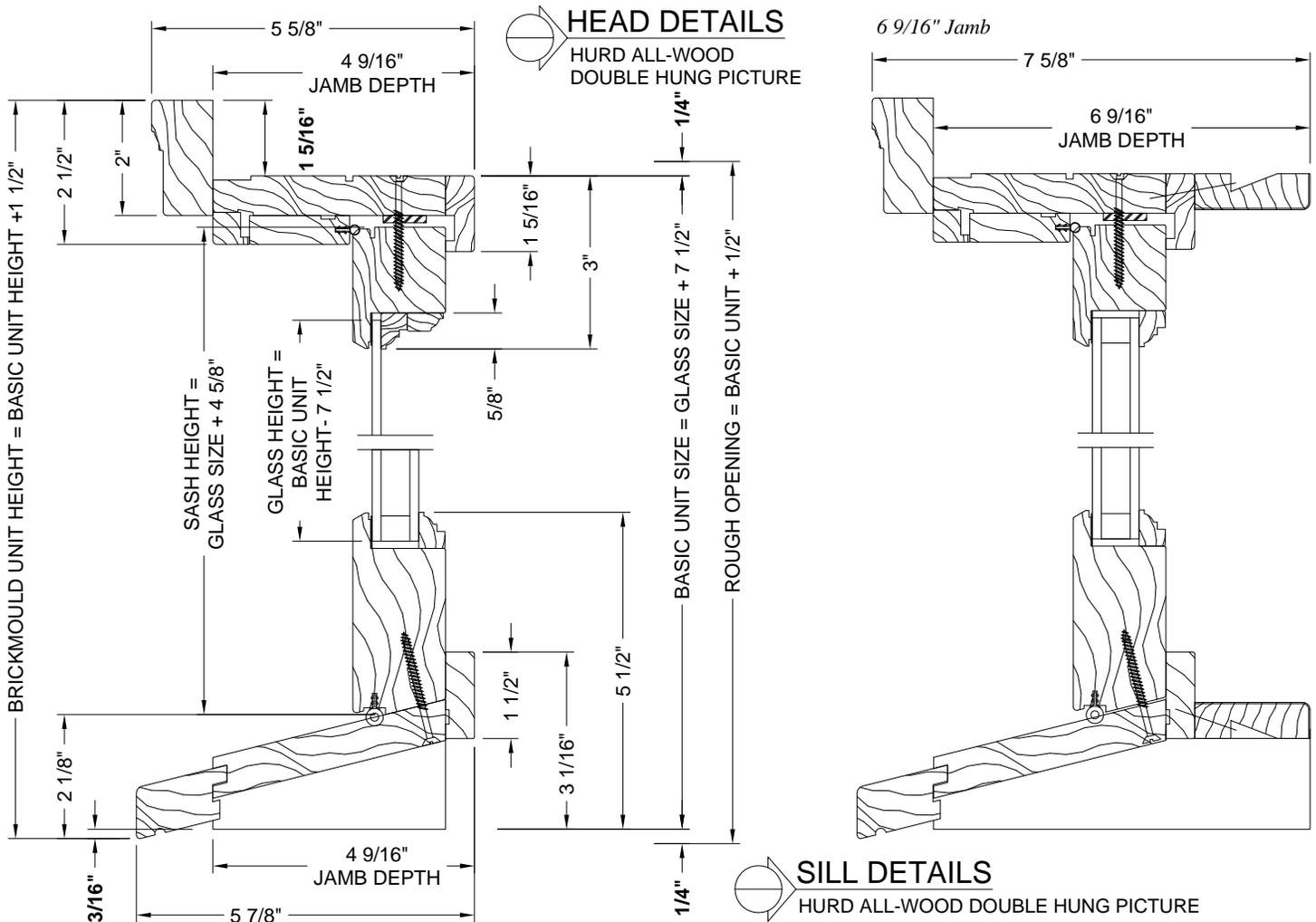


### HDL, Surround and KD Grille Bar Chart



PLEASE NOTE: STANDARD INTERNAL SPACER COLOR IS MILL FINISH

**Hurd** All-Wood  
 Windows and Doors  
**Tilt Double Hung Picture & Custom Picture Windows**





Back to: [Home](#) : [Windows](#) : [Aluminum Clad Wood](#) : [Awning](#)

## Upgrade your cladding and your color choices

### Standard colors.

White	Dried Wheat	Bronze	Brick Red
Eggshell	Sand	Green	Boysenberry
Colonial White	Patina Green	Sage Brown	Jet Black
Burnt Sun	Aspen Moss	Bahama Brown	We'll also custom match any color under the rainbow.

### Anodized clad finishes.

Clear Anodize	Medium Bronze Anodize
Champagne Anodize	Dark Bronze Anodize
Light Bronze Anodize	

Anodizing is an electrolytic passivation process used to increase the thickness of the natural oxide layer on the surface of metal parts. Anodizing increases corrosion resistance and wear resistance, and provides better adhesion for paint primers and glues than bare metal.

*Note: Due to viewing limitations, the colors shown on this page are only representative. See your local distributor for actual cladding samples.*

### Select an Option:



Copyright 2012 Hurd Windows and Doors. All Rights Reserved. [Privacy Policy](#)

August Ash, Inc. - [Minneapolis Web Design](#)

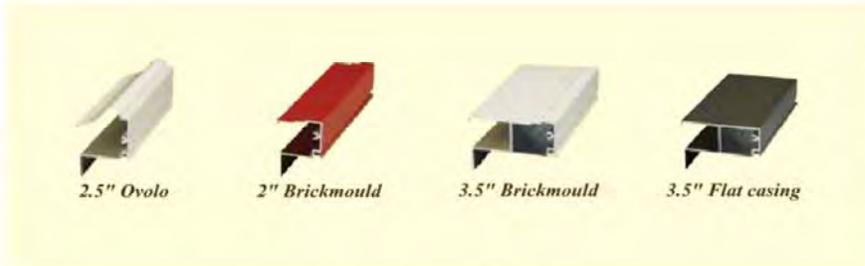


Our aluminum cladding consists of heavy-duty, extra-thick extruded aluminum with a durable, fade-resistant finish. Our seven standard cladding colors were chosen to enhance almost any home design. But we also offer 20 special color options to widen your palette. And, if that's not enough, we'll custom match any color in the rainbow.

Back to: [Home](#) : [Windows](#) : [Aluminum Clad Wood](#) : [Awning](#)

## Exterior Trim

*You name it, we'll match it. You can custom order your cladding in any color.*



2.5" Ovolo

2" Brickmould

3.5" Brickmould

3.5" Flat casing

\*Due to printed and monitor limitations, the colors shown are only a limited representation of the actual colors.



*Shown with clay cladding.*

### Select an Option:



Clad Colors



Glazing Options



Grilles



Hardware Options



Sizing (PDF)



Trim Options



Wood Species

Copyright 2012 Hurd Windows and Doors. All Rights Reserved. [Privacy Policy](#)

August Ash, Inc. - [Minneapolis Web Design](#)

# GOLD SERIES

Three-layer construction provides the quietest operation and superior durability.



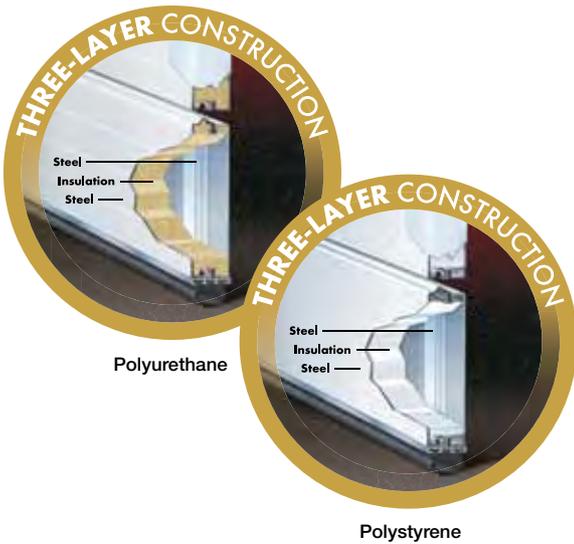
Gold Series doors are tax credit eligible.

See page 5 for details.



## STEEL + INSULATION + STEEL

Model Shown: 7200 in Sandtone with Brass Flame Windows



Polyurethane

Polystyrene

## PANEL STYLES



Elegant Raised Panel – Models 7200, 7130, 6200 and 6130



Elegant Ranch Panel – Models 7203, 7133, 6203 and 6133



Flush Panel – Models 7201, 7131, 6201 and 6131

## STYLE AND FINISH

- Elegant Raised, Ranch and Flush panel designs for improved curb appeal
- Three-layer construction for quietest operation and superior durability
- Prefinished flush Interior for beauty inside and out
- 7200, 7203 and 7201 have 2" polyurethane insulation (R-value = 17.2)
- 7130, 7133 and 7131 have 1 $\frac{3}{8}$ " polyurethane insulation (R-value = 12.9)
- 6200, 6203 and 6201 have 2" polystyrene insulation (R-value = 9.0)
- 6130, 6133 and 6131 have 1 $\frac{1}{2}$ " polystyrene insulation (R-value = 6.5)

## COLOR OPTIONS



## WINDOWS



## WARRANTIES



# WINDOW SELECTION GUIDE

ADD A PERSONAL TOUCH WITH DESIGNER WINDOW LITES

## SHORT WINDOW OPTIONS

Available on Elegant Raised, Traditional Raised and Flush Panels only.

### PLAIN

Single pane, double strength glass.



Short

### DESIGNER INSERTS

Dress up our plain windows with our UV-protected, color-matched Designer Inserts. They simply snap in over our plain window.



Sunset 502 (7', 7'6", 12' widths only)



Sunset 501 (8', 9', 12', 16', 17', 18', 20' widths only)



Sunset 503 (8', 9', 16', 17', 18' widths only)



Sunset 504 (14', 15', 15' 6" widths only)



Sunset 505 (16', 17', 18' widths only)



Sunset 506 (10', 20' widths only)



Cathedral 507



Charleston 508



Colonial 509



Prairie 510

## LONG WINDOW OPTIONS

Available on Elegant Long and Traditional Long Panels only.



Long



Cathedral 607



Charleston 608



Colonial 609



Prairie 610



Madison 611



Sunset 601



Sunset 603



Sunset 605 (15', 16', 17', 18' widths Ranch Panel doors only)

# GOLD SERIES

Three-layer construction provides a durable, quiet and energy-efficient door for your commercial applications.



## STYLE AND FINISH

- 2" or 1½" thick polystyrene insulation is pressure-bonded between two layers of steel
- Superior strength and durability
- Maximum energy efficiency and quietest operation
- Two panel styles and six colors available
- Commercial-duty rollers
- Heavy-duty commercial track, hardware and springs

## PANEL STYLES



Holmes 240, 210 Shallow Ribbed Panel



Holmes 250G, 230G Elegant Raised Panel

## COLOR OPTIONS



White



Almond



Desert Tan



Sandtone



Gray



Brown



Hunter Green

# RESIDENTIAL STEEL GARAGE DOORS

## GOLD SERIES DOORS

	MODEL	DOOR/PANEL DESIGN	CONSTRUCTION	STEEL GAUGE	INSULATION TYPE	R-VALUE*	AVAILABLE COLORS	SECTION WARRANTY
2" Thick Polyurethane	7200	Elegant Raised Panel (Short Panel)	Three-Layer	27/27	2" Thick Polyurethane	17.2	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	7201	Flush	Three-Layer	27/27	2" Thick Polyurethane	17.2	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	7203	Elegant Ranch Panel (Long Panel)	Three-Layer	27/27	2" Thick Polyurethane	17.2	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
1½" Thick Polyurethane	7130	Elegant Raised Panel (Short Panel)	Three-Layer	27/27	1½" Thick Polyurethane	12.9	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	7131	Flush	Three-Layer	27/27	1½" Thick Polyurethane	12.9	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	7133	Elegant Ranch Panel (Long Panel)	Three-Layer	27/27	1½" Thick Polyurethane	12.9	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
2" Thick Polystyrene	6200	Elegant Raised Panel (Short Panel)	Three-Layer	27/27	2" Thick Polystyrene	9.0	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	6201	Flush	Three-Layer	27/27	2" Thick Polystyrene	9.0	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	6203	Elegant Ranch Panel (Long Panel)	Three-Layer	27/27	2" Thick Polystyrene	9.0	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
1½" Thick Polystyrene	6130	Elegant Raised Panel (Short Panel)	Three-Layer	27/27	1½" Thick Polystyrene	6.5	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	6131	Flush	Three-Layer	27/27	1½" Thick Polystyrene	6.5	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime
	6133	Elegant Ranch Panel (Long Panel)	Three-Layer	27/27	1½" Thick Polystyrene	6.5	White, Almond, Desert Tan, Sandtone, Brown, Hunter Green, Gray	Limited Lifetime

## SILVER SERIES DOORS

	MODEL	DOOR/PANEL DESIGN	CONSTRUCTION	STEEL GAUGE	INSULATION TYPE	R-VALUE*	AVAILABLE COLORS	SECTION WARRANTY
1½" Insulation	5500	Traditional Raised Panel (Short Panel)	Two-Layer	25	1½" Thick Polystyrene	6.3	White, Almond, Desert Tan, Sandtone, Brown	25-Year Limited
	5503	Traditional Ranch Panel (Long Panel)	Two-Layer	25	1½" Thick Polystyrene	6.3	White, Almond, Desert Tan, Sandtone, Brown	25-Year Limited
¾" Insulation	5200	Traditional Raised Panel (Short Panel)	Two-Layer	25	¾" Thick Polystyrene	4.4	White, Almond, Desert Tan, Sandtone, Brown	25-Year Limited
	5203	Traditional Ranch Panel (Long Panel)	Two-Layer	25	¾" Thick Polystyrene	4.4	White, Almond, Desert Tan, Sandtone, Brown	25-Year Limited

## BRONZE SERIES DOORS

	MODEL	DOOR/PANEL DESIGN	CONSTRUCTION	STEEL GAUGE	INSULATION TYPE	R-VALUE*	AVAILABLE COLORS	SECTION WARRANTY
Non-Insulated	4200	Traditional Raised Panel (Short Panel)	One-Layer	25	N/A	N/A	White, Almond, Desert Tan, Sandtone, Brown	15-Year Limited
	4203	Traditional Ranch Panel (Long Panel)	One-Layer	25	N/A	N/A	White, Almond, Desert Tan, Sandtone, Brown	15-Year Limited

## HOW TO MEASURE YOUR DOOR

1. Measure existing door width and height in feet and inches. This determines the size of door needed. The rough opening should be the same size as the door.

Width: \_\_\_\_\_

Height: \_\_\_\_\_

2. Measure for sideroom:  $3\frac{3}{4}$ " is required on each side for installation of the vertical track for standard extension or torsion springs, or EZ-SET® Torsion Spring.  $5\frac{1}{2}$ " is required for EZ-SET® Extension Spring.

Sideroom: \_\_\_\_\_

3. Measure area labeled "headroom" – distance between the top of the door opening ("jamb header") and the ceiling (or floor joist). 10" is required for standard installation of extension springs and EZ-SET® Extension Spring; 12" on standard torsion springs and EZ-SET® Torsion Spring. 14" of headroom required for Carriage House doors. If you have restricted headroom, special hardware is available. Low headroom hardware is available to reduce requirement to as low as  $4\frac{1}{2}$ " (minimum with standard extension spring or EZ-SET® Extension Spring). EZ-SET® Torsion Spring low headroom requirement is  $9\frac{1}{2}$ ". Note: If door height extends above the opening, the headroom measurement should be adjusted accordingly.

Existing headroom: \_\_\_\_\_

Headroom needed: \_\_\_\_\_

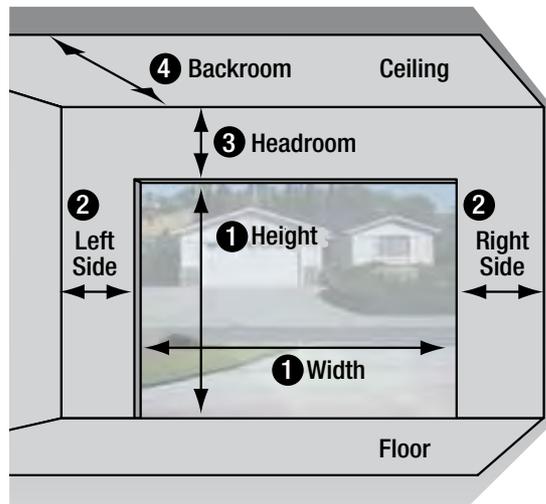
4. Measure area labeled "backroom" distance is measured from the garage door opening toward the back wall of the garage.

Backroom: \_\_\_\_\_

Common garage door sizes include 8' wide x 7' high, 9' wide x 7' high and 16' wide x 7' high. Holmes manufactures most doors in nearly any size you require.



## HOW TO MEASURE DIAGRAM



For answers about choosing, installing and maintaining Holmes Garage Doors, visit us at [www.holmeshelps.com](http://www.holmeshelps.com) and [www.holmesgaragedoor.com](http://www.holmesgaragedoor.com) or call the Holmes Helpline® at 800-557-0488.



In the interest of better quality and value, we are continually improving and updating our products. Consequently, photos, illustrations and available options may sometimes differ from present models. Holmes Garage Door Company® is a brand of Clopay Building Products Company, Inc., A Griffon Company, Inc. 2010. Printed in U.S.A.



**Division of Development Administration and Review**  
 City of Pittsburgh, Department of City Planning  
 200 Ross Street, Third Floor  
 Pittsburgh, Pennsylvania 15219

**HISTORIC REVIEW COMMISSION OF PITTSBURGH**  
**Application for a Certificate of Appropriateness**

DEADLINE:

Completed applications must be received at least 13 working days prior to the HRC hearing, when a hearing is required

FEE SCHEDULE:

See attached. Please make check payable to:  
 Treasurer, City of Pittsburgh.

STAFF USE ONLY:

DATE RECEIVED: 9-14-12  
 LOT AND BLOCK NUMBER: 23-L-83  
 WARD: 22nd  
 FEE PAID:

**ADDRESS OF PROPERTY:**

12 WEST NORTH  
PITTSBURGH, PA. 15212

**DISTRICT:**

INDIVIDUAL

**OWNER:**

NAME: URA-Rebecca Davidson-Unger  
 ADDRESS: 200 ROSS ST., FLR 10  
PITTSBURGH, PA. 15219  
 PHONE: 412-255-6588  
 EMAIL: RWAGNER@URA.ORG

**APPLICANT:**

NAME: BRIAN KAMINSKI  
 ADDRESS: INDOVINA ASSOC. ARCHITECTS  
5880 ELLSWORTH AVE, Pgh PA  
15212  
 PHONE: 412-363-3800  
 EMAIL: bek@indovina.net

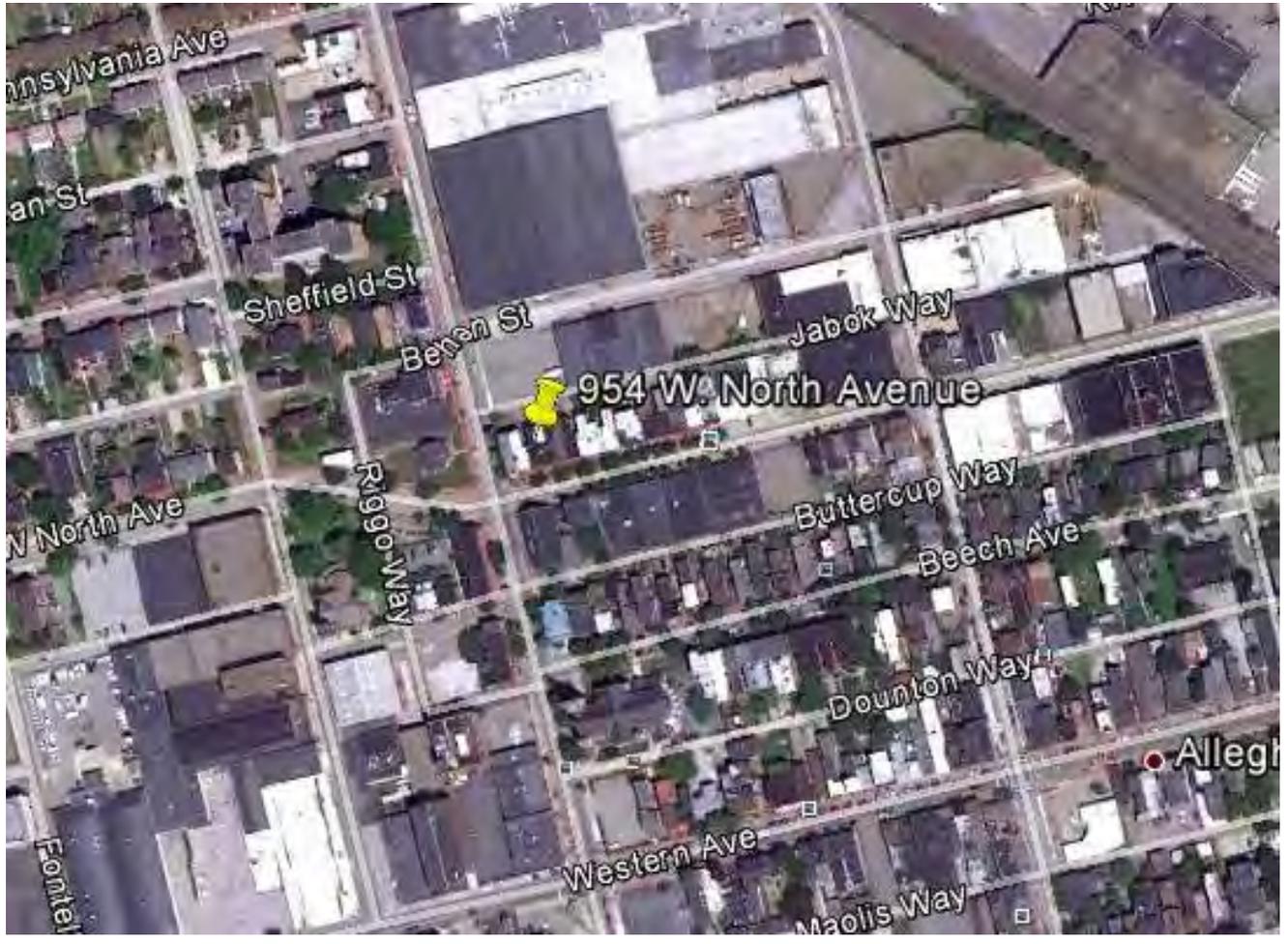
**REQUIRED ATTACHMENTS:**

- Drawings     Photographs     Renderings     Site Plan     Other

**DETAILED DESCRIPTION OF PROPOSED PROJECT:**

DEMOLITION OF THE REAR 64' OF 59' x 180'  
STRUCTURE, REPLACEMENT & REPLICATION OF WINDOWS  
IN KIND - REPAIR OF TERRAZZO - GOTTA W/ GFRC - NEW RESTAURANT  
SIGNATURES: OCC. W/ RES. ON OFFICE ABV. SEE BOOK LET

OWNER: [Signature] DATE: 9/14/2012  
 APPLICANT: Brian E. Kaminski DATE: 9/14/2012



**Garden Theater**  
Adaptive Reuse Project

12 West North Avenue, Pittsburgh, Pa., 15212

Scope of Work and Photos

September 14, 2012



## The Garden Theater – Introduction

The Garden Theater sits at 12 West North Avenue in Pittsburgh's Historic Northside, across from West Park, formerly known as Allegheny Commons.

It is located in the 22nd ward of the City of Pittsburgh and occupies lot and block numbers 23-L-83 and 23-L-86. The building was constructed in 1915 by the William D. Beatty Company for David E. Park, Vice President of Peoples National Bank, who lived only 4 blocks east of the site. The architect for the structure was Thomas H. Scott who also designed the Machesney, now known as the Benedum-Trees Building, located in downtown Pittsburgh.

The Theater was managed starting in 1917 or 1919 by Bennett Amdursky, who later changed his last name to Amdur. Mr. Amdur would become owner of the theater in 1924, and would manage it till his death in 1970. Stories abound of Mr. Amdur's love for his theater including one of his inspecting neighborhood children's hands before they were allowed to enter his theater.

Upon Mr. Amdur's death the Garden became an adult movie house and slipped into decay. Various proposals to redevelop the block in which the Theater sat hinged upon the use of the theater for something other than a show place for adult movies.

In 2007 the Urban Redevelopment took possession of the property through eminent domain after a long court fight. Later the URA and the Central Northside Neighborhood Council began the process of reviewing developer's proposals for the re-development of the entire block in which the Garden sat.

The winning proposal was put forth by Collaborative Ventures, LLC and Zukin Realty.

The adaptive reuse of the Garden Theater is one part of a larger plan to develop all properties contained within the Garden Theater Block. This narrative describes work to be done on the Garden Theater.



1 - Garden Theater From West Park 1920's



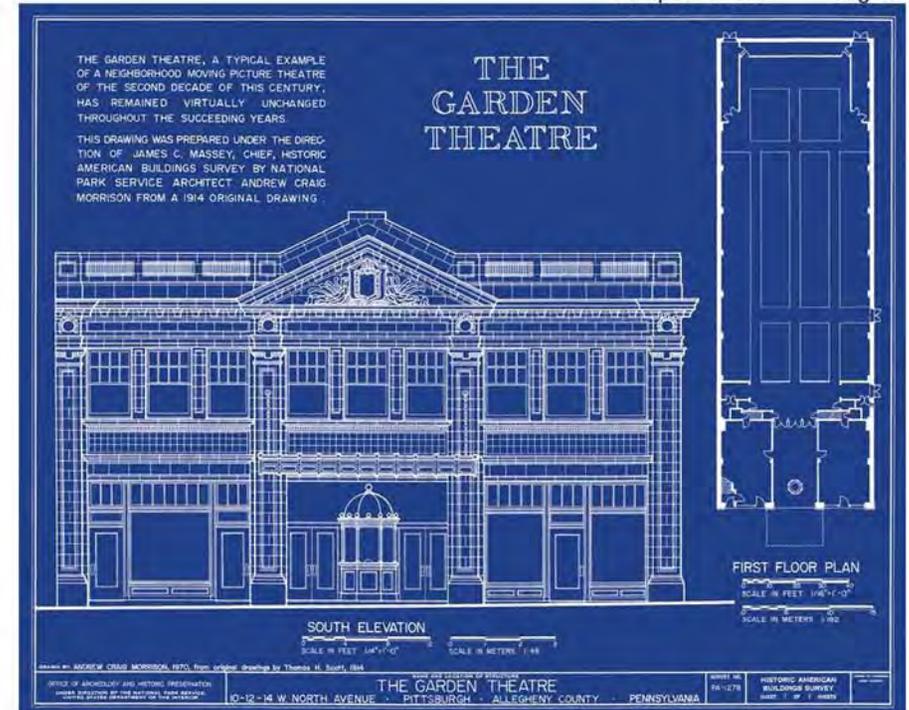
2- Garden Theater From The Southwest

## Architectural Description of the Existing Building

Primarily excerpted from  
Historic American Buildings Survey, HABS No. PA 1278:  
Library of Congress call number HABS PA, 2-PITBU,28--3

### Description of the Exterior:

1. Number of stories: The front part of the building is two stories high and has a full basement not visible on the exterior. The auditorium to the rear is one story high and has no basement.
2. Over-all dimensions: The street facade is 59 feet wide and the building is 180 feet deep.
3. Layout, shape: Rectangular.
4. Number of bays: The facade is three bays wide; the building is 11 structural bays deep.
5. Wall construction, finish and color: The street façade is faced with cream-colored glazed terra cotta with spandrel panels of light green terra cotta. The side and rear walls are of dark red brick laid in common bond and unornamented. The three bays of the facade are defined by four two-story, paneled pilasters, supporting an entablature which extends the full width of the building. The pilaster capitals are a modified Renaissance Doric, with an egg-and-dart molding broken by a central block forming the echinus. The entablature has a simple architrave, a paneled frieze and a cornice with block modillions. Over each pilaster the entablature is broken forward slightly, and in the frieze at each of these points is a wreathed circular mount for a light fixture. The central bay is pedimented, and within the pediment, foliate ornamentation flanks a central cartouche. The outer bays each have a parapet wall of moderate height, which is broken forward over each pilaster as a paneled pedestal. Within each bay the parapet wall contains three horizontal panels filled with glyphs. The parapet continues undecorated over the pediment, and conceals the pitch of the roof behind. At the first-story level the central bay is an open vestibule. Each outer bay contains a storefront. The left one has a three-sided projecting display window, topped "by an ornamental metal cresting and flanked by a single entrance door. The right storefront has a pair of five-sided shop windows, decorated like the other, but with one central door. Both of the storefronts have a continuous glazed transom, and at the first-story level all three bays have an entablature consisting of narrow architrave, wide frieze, and simple molded cornice. At the second-story level each bay contains three windows separated by paneled terra-cotta mullions. The wooden sash[es] are double-hung, eight-over-one lights. Below each window group a continuous molded sill has a band of vertical fluting below it. Light green terra-cotta tiles fill the spandrel panels beneath.



3 - The Garden Theater From the Historic American Buildings Survey



4 - Front Facade 1971

## Architectural Description of the Existing Building

6. Lighting: The building was originally fitted with heavy semicircular cast metal exterior lighting brackets with large glass globes. The 1970s HABS document indicates that the fixtures were first located along the main frieze and later lowered, however photos from the 1920's show light fixtures both along the main frieze just above the pilasters, and just above the level of the storefront on the pilasters. All original fixtures have been removed except for the brackets serving the lower fixtures.
7. Marquee and signs: The original marquee was a flat canopy of glass with an ornate fascia of pressed metal with glass panels, the whole suspended on chains from ornamental anchor plates on the central pilasters. At some time a higher fascia with the name of the theatre was placed on the marquee, and the soffit was covered with sheet metal and studded with radial rows of lights. A two-panel, wedge-shaped attraction board with interchangeable letters of white glass on an opaque ground and an ornamental, illuminated frame was suspended from the facade at the second-story level. Atop the central pediment a tall vertical sign bearing the name of the theatre in lights was erected. On January 25 a 1958, the marquee fell, and was replaced with one of a slightly simpler design. The original lettering of the attraction panels has been changed to cast-aluminum letters on illuminated white glass ground, and much of the decorative lighting has been converted from incandescent bulbs to neon tubing.
8. Vestibule: The central bay of the facade opens into a 16'-8" square vestibule. The ceiling, originally coffered as in the inner lobby, was covered in 1958 with white enameled metal set with lights. The metal ceiling also covers the terra-cotta lintel on the facade which originally was set with 15 lights. The floor of this area, raised one step above the sidewalk, is paved with small ceramic tiles with green and black patterns on a white ground. The rear wall of the vestibule is [comprised of three pairs of glazed] doors, above which are operable transom panels. Each side wall has a black imitation marble dado, above which are five tall rectangular panels topped by a thin entablature bearing scroll ornaments and Adamesque paterae. The panels are separated by spirally turned elongated colonnettes with turned bases. The end panels are narrow, the central one is a glazed display board, and the intermediate panels [were] large mirrors scored into small rectangular panes. Small ornamental iron and leaded glass lanterns project from each mirror.
9. Ticket Booth: By the 1970's the original exterior, free-standing ticket booth had been removed. An interior ticket booth remains but is of no architectural significance.
10. Doors and other openings: There are three sets of paired entrance doors extending the width of the vestibule. Each door contains a large plate glass panel.



5 - Front Facade 1971



6 - Facade today



7 - Detail Front Facade

**Description of Photos:**

Figure 6 - Photo taken from the southwest. Photo shows lower marguee, two-panel wedge shaped attraction board, and tall vertical mast sign at roof. Image also shows cream colored glazed terra cotta cladding, existing storefront in pink, green terra cotta spandrels and double hung windows at second story.

Figure 7 - Detail of 8 over 1 double hung windows, pilaster capital, entalature with simple architrave, paneled frieze and cornice with block modillions. Photo also shows wreathed circular mount for earlier light fixtures on top of the pilaster. Parapet wall with glyph filled horizontal panels is also evident in this photo.

## Architectural Description of the Existing Building



8 - Top of Pilaster



9 - Underside of Cornice



10 - Cornice and Parapet Wall



11 - Parapet Wall

### Description of Photos:

- Figure 8 - Modified Renaissance Doric pilaster capital with egg-and-dart molding and central block forming the echinus. Note missing modillion.
- Figure 9 - Underside of cornice showing block modillions.
- Figure 10 - Cornice with parapet wall above with paneled pedestal over the pilaster cornice and one of three glyph filled horizontal panels between paneled pedestals. Note damage to terra cotta at cornice.
- Figure 11 - Parapet wall showing glyph filled horizontal panels. Note damage to cornice and molding surrounding glyph panel. Also note plant growth whose root structure may be causing further damage.



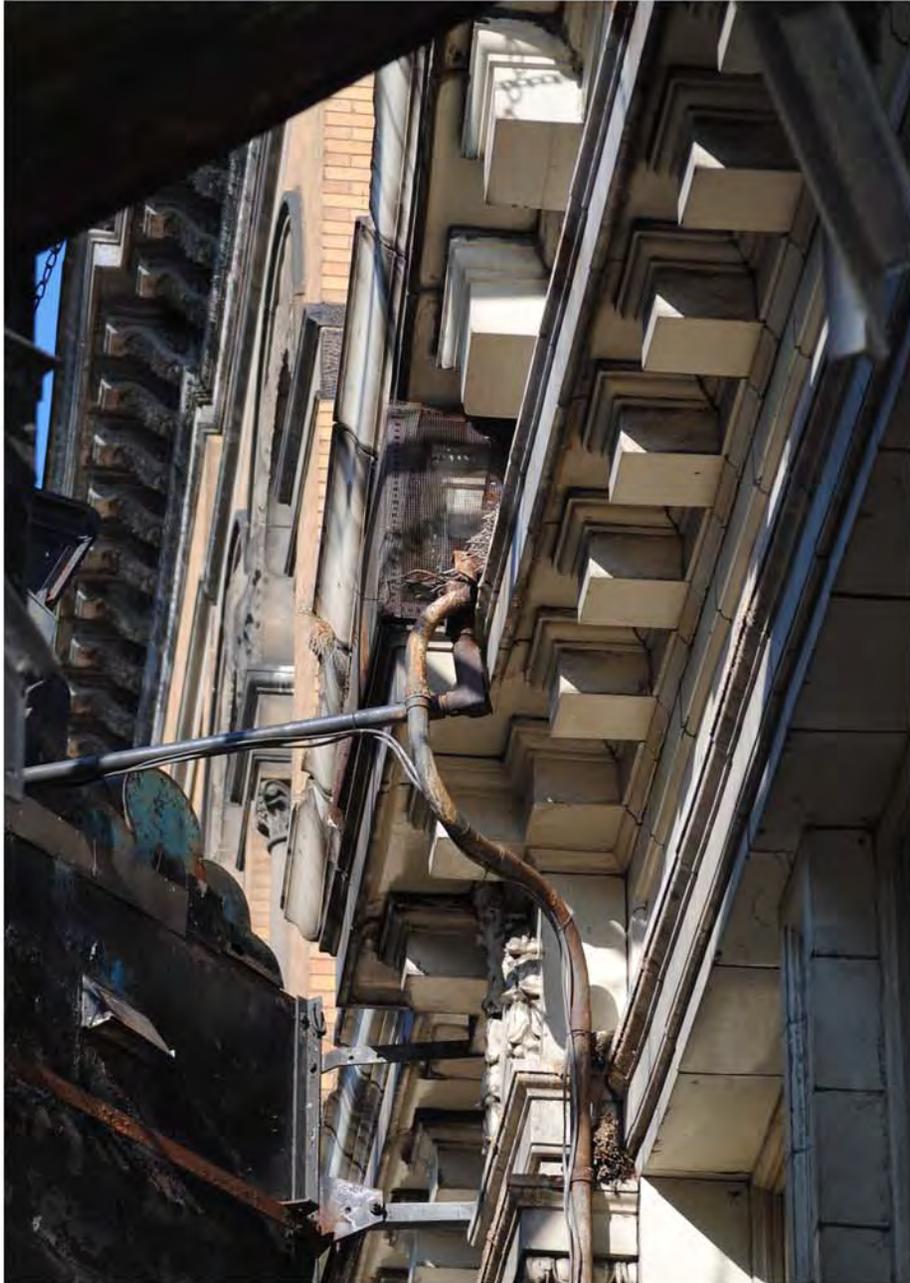
12 - Top of Pilaster showing Metal Plate Cover Where Light Once Was



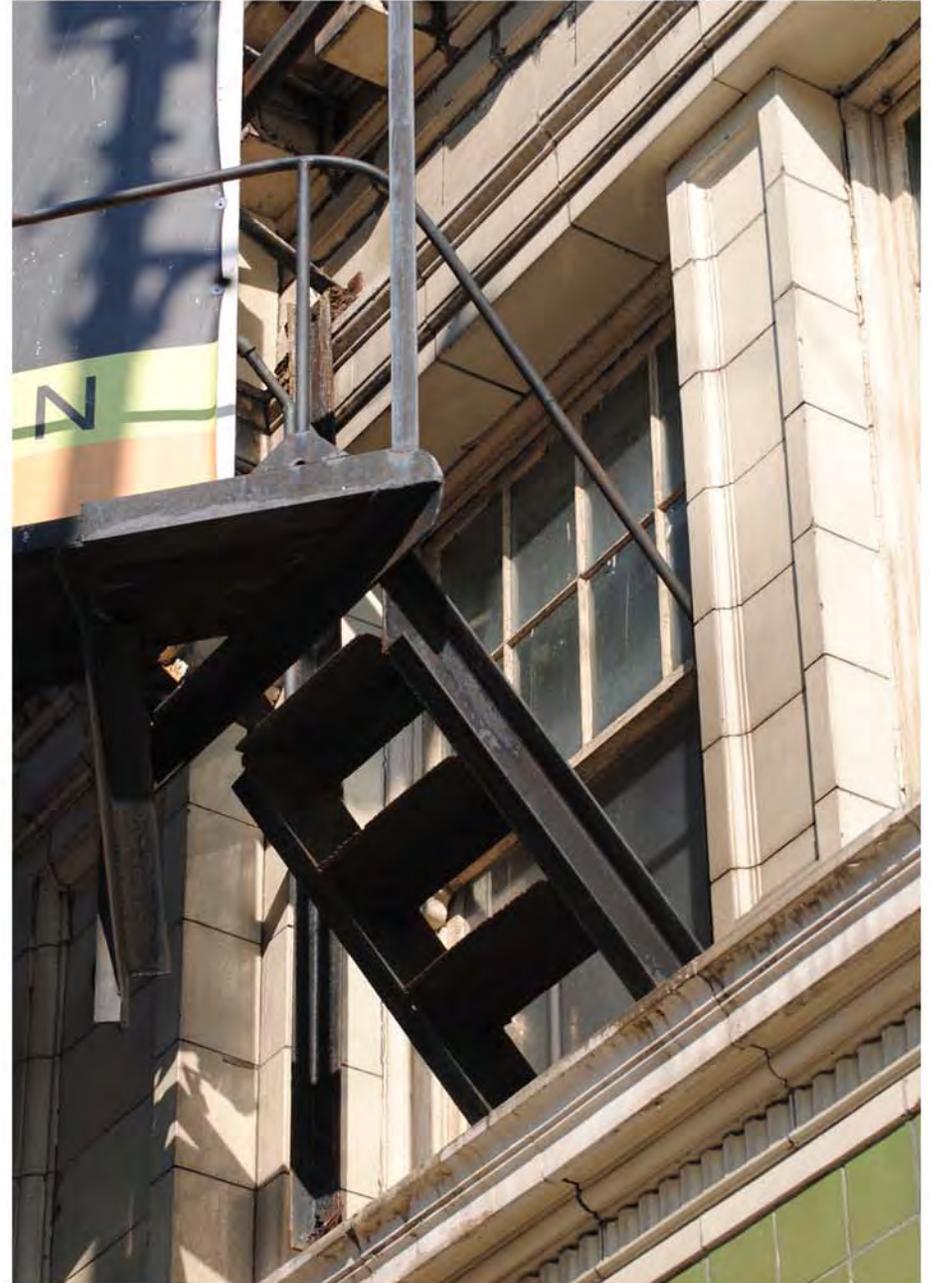
13 - Damaged Cornice



14 - Medal Medallion at Inner Pilaster for Marquee Support Chain



15 - Supporting Steel and Conduit Behind Attraction Board



16 - Steps out Window to Catwalk at Attraction Board



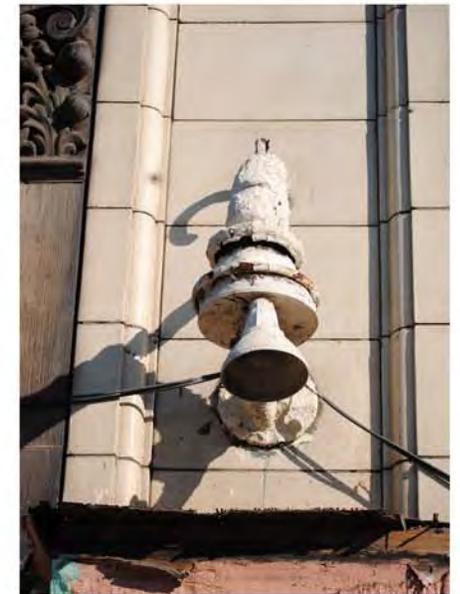
17 - Mast Like Vertical Sign above Pediment and Attraction Board



18 - Cartouche at Pediment behind Attraction Board



19 - Original Lower Light Fixture Bracket at East Side Elev.



20 - Original Lower Light Fixture Bracket at West Side of Elev.  
Indovina Associates Architects



21 - Entry Doors and Coming Attraction Display Cases



22 - West Store Front



23 - Detail West Storefront Bay Window with Ornamental Metal Fascia, Transom & Lower Glazing Still in Place



24 - Detail East Storefront Bay Window with Ornamental Metal Fascia, Transom & Lower Glazing Removed

## Scope of Work

The adaptive reuse of the Garden Theater is one part of a larger project to develop eight vacant structures and three vacant plots in the block between Federal Street and Reddour Street and between West North and Eloise Street on Pittsburgh's Northside.

The plan calls for the partial demolition of the back portion of the Garden Theater at Eloise Street to accommodate the parking required by zoning to redevelop the Garden and other structures on the block. The new tenant will be a restaurant with either apartments or offices on the second floor. The restaurant will have an open terrace at the rear that will be sheltered by a portion of the existing roof that will be allowed to remain beyond the new rear exterior wall.

At the front of the building the center wedge-shaped attraction board marquee will be removed, repaired and relocated to another portion of the site to allow for views from the second floor windows to West Park. Supporting steel and conduit will be removed.

The remainder of the West North Avenue elevation will be cleaned and repaired. Damaged glazed terra cotta will be replaced with glass fiber reinforced concrete (GFRC) tiles to match the original tiles in color, profile and sheen. New corrosion resistant anchors will be provided where needed. Moldings and modillions near the cornice and parapet will also be replaced with GFRC tiles. All glazed terra-cotta will be cleaned and re-pointed with mortar to match the existing in color and composition.

The lower marquee will be repaired including the block letters, neon tubes and metal panels. A new roof at the marquee will be provided including the replacement of roof rafters and ceiling joists and the cleaning and repair of supporting steel. Lighting at the underside of the marquee will be replicated with LED fixtures to match the existing.

The upper mast sign will be taken down for repairs to the supporting structure, metal skin, block letters and neon lighting. It will be re-installed with new cable stays and attachments at the roof.

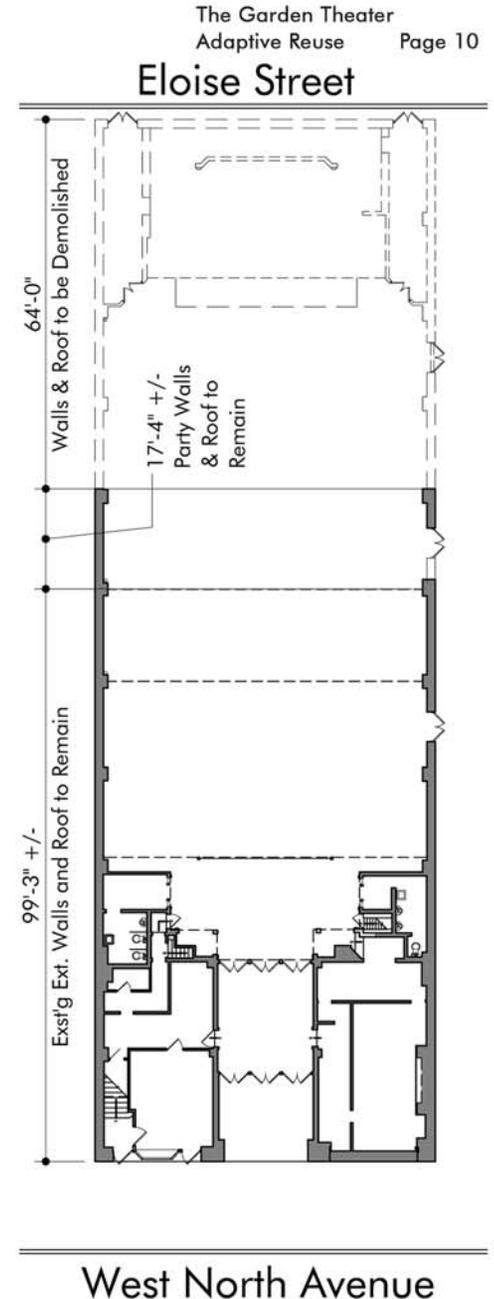
The existing wood windows will be replicated in spanish cedar, and glazed with new low -E, insulated glass. The storefronts at the first floor will also be replicated in spanish cedar with tempered insulated glass.

Display boxes at the first floor will be replicated as well using spanish cedar and tempered or safety glass. Doors will either be stripped and refurbished or; replicated in spanish cedar and safety glass.

Light fixtures originally located at the top and first floor of the side pilasters will be replicated and reinstalled, or replaced with historically appropriate fixtures. All wood will be primed with an oil based primer prior to be finished with a high quality latex paint or, finished with an artistic finish to match the original.

The tile floor at the entrance will be cleaned and re-grouted as required and the granite border will be cleaned and sealed to prevent further damage from salt wicking and freeze thaw cycles.

The front sidewalk will be replaced and sloped as required to allow for accessibility.

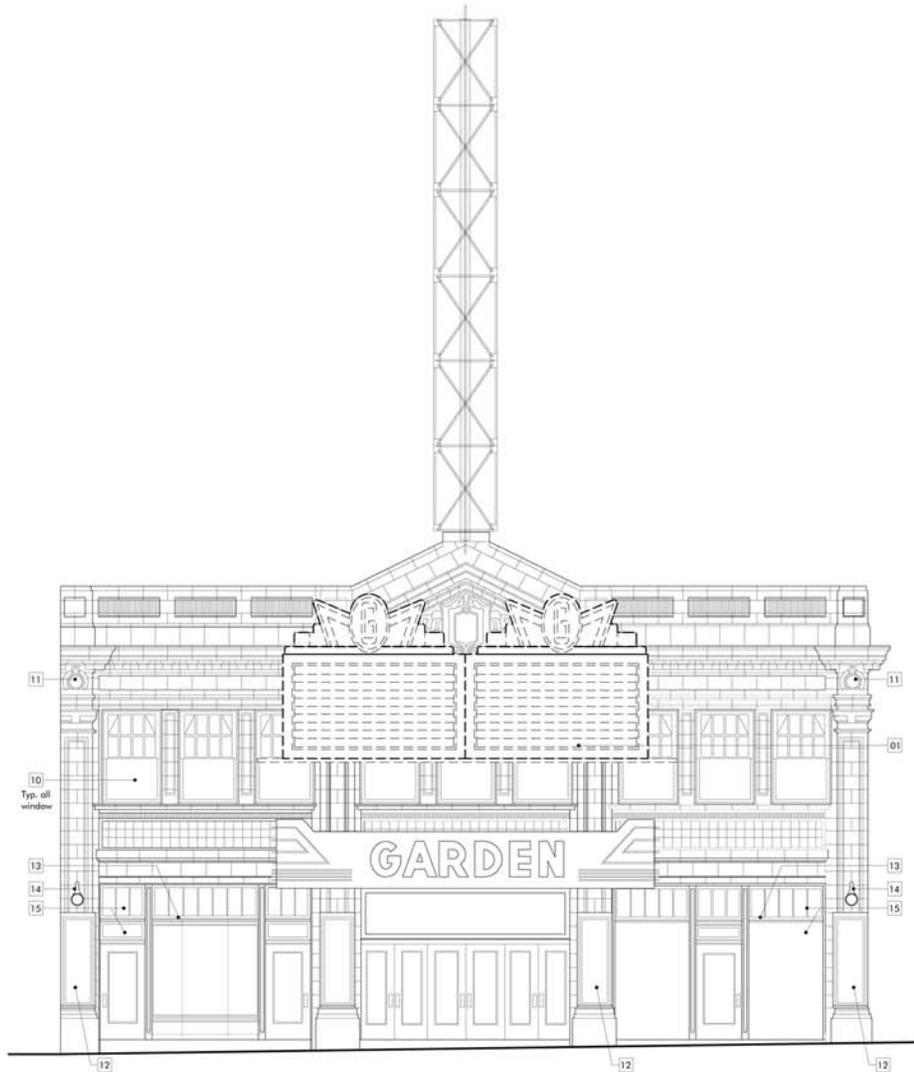


25 - Plan Showing Extent of Demotion

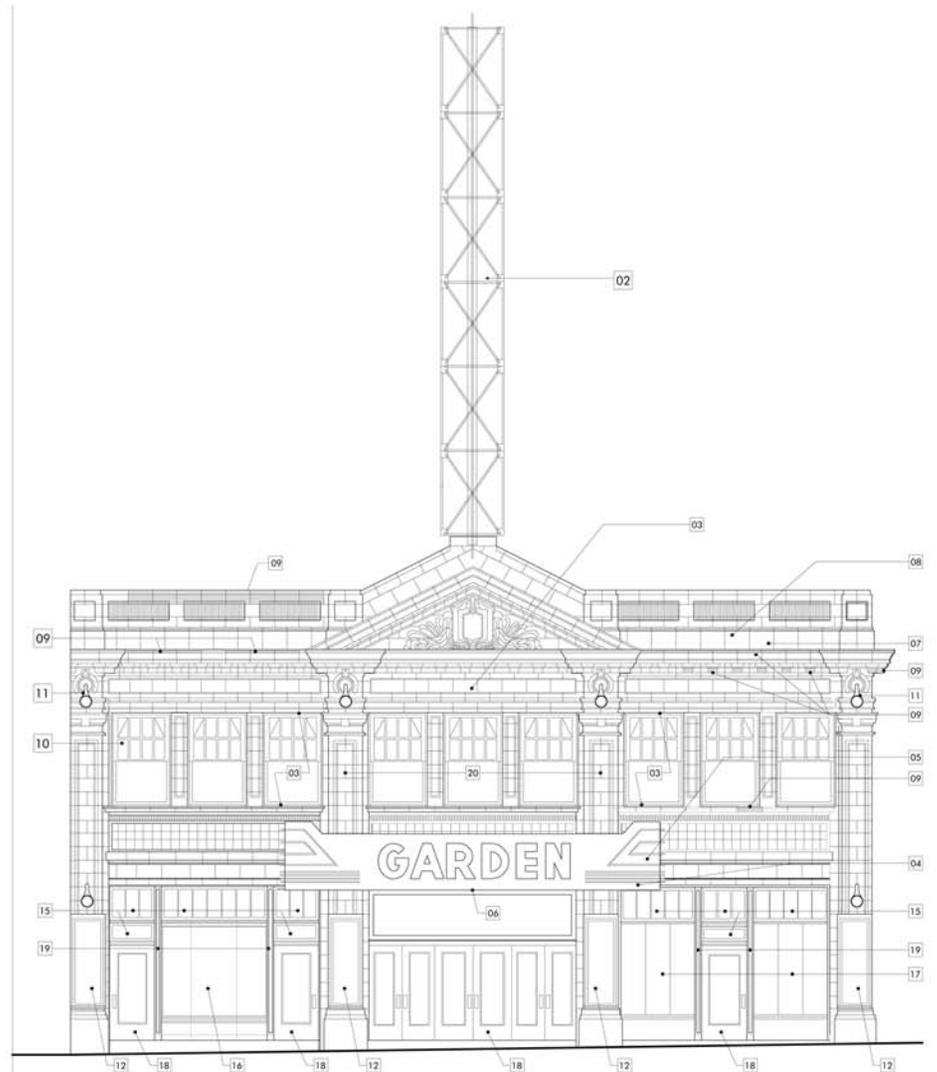


26 - West North Avenue Elevation of New Garden Theater





28 - Elevation Demolition Drawing (See Keyed Notes Next Page)



29 - Elevation Construction Drawing (See Keyed Notes Next Page)

## Scope of Work

### Keyed Notes:

- 1 Existing center marquis to be carefully taken down and restored for installation at parking lot entry. See Site drawings
- 2 Existing steel mast sign to be taken down for repair and re-installed, including sandblasting and re-coating of existing structural steel, patching/welding or replication of existing metal panel, repair and refinishing of block letters and installation of new neon tube.
- 3 Remove all structural steel and conduit for center marquis. Replace all punctured terra-cotta tiles with new glass fiber-reinforced concrete tiles to match existing in color, shape, and profile.
- 4 Lower marquis to be repaired in place.
- 5 Existing built-up roofing and deck to be completely removed. Clean existing steel super-structure of any rust and corrosion, paint and refinish with Tnemec paint, provide new 3/4" non-combustable plywood roof deck and non-combustable 2"x6" or cold formed 6" rafters between steel @ 24" o.c. Cover all with 45 mil EPDM membrane with new screened roof drain and overflow drain. Pipe drain to new internal storm drain.
- 6 Existing soffit including existing lighting to be completely removed, including all ceiling joists. Replace w/ new non-combustable 2"x4" wood joists or 3-5/8" cold formed metal joists and 1/2" non-combustable CDX plywood. Finish soffit with metal panels to match existing with new LED light fixtures to match original fixtures in size, shape, color, and luminance.
- 7 Remove all plants, dirt and clean terra-cotta to be cleaned with Prosooco heavy duty restoration cleaner or equipment.
- 8 All existing joints between existing terra-cotta to be cleaned and repointed with mortar to match existing in color and proportions of lime, portland cement, and sand.
- 9 Damaged terra-cotta tiles including modillions, crown moulds & decorative panels to be removed and replaced with glass fiber reinforced concrete tiles to match original in color, sheen, thickness, and profile.
- 10 Existing wood windows to be removed & replaced with new painted wood windows with insulated low-e glazing. Size, proportions & sioght lines to match existing.
- 11 Existing steel plate covers to be removed & replaced with new historically accurate bronze light fixture & escutcheon with lexan globe.
- 12 Existing display cases to be removed and replicated in Spanish cedar, tempered glass with lacquered brass hinges & latch set. New display cases to be installed with stainless steel fasteners. All paint at terra-cotta to be removed.
- 13 Decorative metal bay window cornice to be removed, replicated in copper and re-installed.
- 14 Existing light fixture & escutcheon to be removed and replicated in bronze or replaced with historically accurate fixture with lexan globe to match original.
- 15 Existing transom windows removed and replicated in Spanish cedar with low-e insulated glazing.
- 16 Bay window display cases to be restored or removed and replicated in Spanish cedar with low-e insulated tempered glass.
- 17 Missing bay window display cases at east side of building to be reconstructed to match existing bay windows at west side of building.
- 18 All existing wood doors to be refurbished or removed and replicated in Spanish cedar with low-e insulated safety glass with new brass hardware to match existing per specifications.
- 19 Existing storefront vertical & horizontal bars to be stripped & repaired required with epoxy and resin filler and re-painted.
- 20 Existing medallions removed, cleaned and reinstalled.

Scope of Work



30 - Examples of GFRC



31 - Existing Rear Elevation to be Demolished

## The Garden Theater – Relevant Timeline and Physical History

with excerpts from  
the Historic American Buildings Survey, HABS No. PA 1278:  
Library of Congress call number HABS PA,2-PITBU,28--3

- 1906 April 1906, David E. Park acquires the property on which he would build the Garden Theatre. Mr. Park was Vice President of the Peoples National Bank and lived only four blocks to the east of the theatre site.
- 1915 The Garden Theatre was built in 1915 and likely opened that year as a neighborhood movie house. Building Permit #U03 was issued on April 27, 1915. The theatre was first listed in the Pittsburgh Directory in 1916.
- The 1970s HABS indicates "Original plans, construction, etc.: Working drawings preserved by the management of the theatre show the building to have been erected [in 1915] in substantially the same form as it now exists [in the 1970s]."*
- 1917 or 1919 A young manager, Bennett Amdursky (later shortened to Amdur), came to it from a briefly held post as manager of the Alhambra Theatre. The Garden became the pride of his life. He worked at the theatre daily until his death in the spring of 1970, over a half-century later.
- In 1917, soon after the opening of the theatre, David Park died, and the property was inherited by his son, Lewis A. Park.
- 1924 Lewis Park gave title to the theatre to Bennett Amdur.
- 1927 Alterations and additions: A major alteration occurred c. 1927. Basically restoration, it was done under the direction of the Libman-Spanjer Company, of New York City. In this work some modifications were made to the entrance lobby and the rear of the auditorium. Since then, the marquee has been twice altered, and several signs have been added to the facade. Other changes were made to install a wide projection screen.
- 1920s thru 1970s No other such alterations of consequence were made, because Amdur stoutly refused to change the appearance of the building that meant so much to him. Amdur insisted, however, that the Garden reflect the latest advances in exhibition technology. Most recent replacement of the projectors was in 1954. Sound equipment, remote-control motorized light dimmers, wide-screen projectors, and modern heating and air conditioning were installed in the Garden as soon as they came onto market.
- 1970 Bennett Amdur died on June 2, 1970, and following his death the lobby of the Garden was darkened, except for a spotlight on his black-draped portrait, for thirty days, when the lights came on again as the Garden's tradition of service continued. At a time when the state of the moving picture business would have suggested cut-back and restraint, the facade was still flood-lit nightly, and the varnished polychrome and the mirrors were kept gleaming. Neighborhood residents stopped by the theatre to see Amdur's portrait as the Garden carried on its role of a North Side Pittsburgh institution.
- 1973 Upon Amdur's death in 1970, the Pittsburgh Post-Gazette reported that Amdur had "kept a clean place and wouldn't even show Frankenstein." Until that time, the Garden Theatre had a reputation as an architectural gem and a classy, yet technologically up-to-date venue for family-friendly motion pictures. In 1973, that reputation reversed course upon sale of the theater to "Penn-Ally Enterprises" and renaming as the "New Garden Theatre", beginning a 30+ year era of operation as an "adult" pornography venue. What had once been a reputable cornerstone of the community became a poorly-maintained "white elephant", seen by many as an indicator of the decline of the Central North Side community in general.

## The Garden Theater – Relevant Timeline and Physical History

- 1974 The old ticket booth was removed. It is now [in 1978] installed as an exhibit at the Old Post Office Museum, One Landmark Square, Pittsburgh.
- 1977 The City of Pittsburgh filed suit against then-owner George Androtsakis, attempting to claim the property through eminent domain. While the owners claimed that pornographic films were the only means for the property to be profitable, the community disagreed. The lawsuit went on for 10 years.
- 2007 In early 2007, the Urban Redevelopment Authority of Pittsburgh purchased the property for \$1.1 million and closed the adult theater.
- 2008 On March 25, 2008, the property was designated a City of Pittsburgh Historic Structure by City Council, following the recommendations of the Historic Review Commission and Planning Commission.
- As of 2012, the building is not designated as a “historic” structure by any other entity; not by Pittsburgh History and Landmarks Foundation (PHLF), not on the National Register of Historic Places, etc.
- 2012 Zukin Realty acquires the property and begins the redevelopment plan for a mixed use development that will include restaurants, shops and housing.

Preliminary Specifications for:

# Garden Theatre Renovation

12 West North Avenue  
Pittsburgh PA 15212

**Architect's Project Number 12-15**

September 14, 2012

SECTION 034900 - GLASS-FIBER-REINFORCED CONCRETE (GFRC)

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes glass-fiber-reinforced concrete (GFRC) wall tile, fascia units, cornices and custom fabrications as indicated on Drawings.

1.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: GFRC panels, including panel frames, anchors, and connections, shall withstand the following design loads as well as the effects of thermal- and moisture-induced volume changes, according to load factors and combinations established in PCI MNL 128, "Recommended Practice for Glass Fiber Reinforced Concrete Panels."

- 1. Design Loads: As indicated.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include GFRC design mixes.
- B. Shop Drawings: Show fabrication and installation details for GFRC panels, tiles and shapes, including the following:
  - 1. Structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
  - 2. Panel, tile and shapes; elevations, sections, and dimensions.
  - 3. Dimensions of existing conditions or existing spaces where items are to be installed.
  - 4. Thickness of facing mix, GFRC backing, and bonding pads for typical panels and shapes.
  - 5. Finishes.
  - 6. Joint and connection details.
  - 7. Erection details.
  - 8. Panel frame details for typical panels including sizes, spacings, thickness, and yield strength of various members.
  - 9. Location and details of connection hardware attached to structure.
  - 10. Size, location, and details of flex, gravity, and seismic anchors for typical panels.
  - 11. Other items sprayed into panels.
  - 12. Erection sequence for special conditions.
  - 13. Relationship to adjacent materials.
  - 14. Description of loose, cast-in, and field hardware.
- C. Samples: Representative of finished exposed face of GFRC showing the full range of colors and textures specified, 12 by 12 inches (305 by 305 mm) and of actual thickness.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification data.

- B. Welding certificates.
- C. Source quality-control program.

#### 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that participates in PCI's Plant Certification Program and is designated a PCI-Certified Plant for Group G - Glass Fiber Reinforced Concrete or that participates in APA's Plant Certification Program and is certified for GFRC production.
  - 1. Manufacturer's responsibility includes fabricating GFRC panels and providing professional engineering services needed to assume engineering responsibility for GFRC panels.
  - 2. Engineering responsibility includes preparation of Shop Drawings and comprehensive engineering analysis, based on GFRC production test values, by a qualified professional engineer experienced in GFRC design.
- B. Source Limitations: Obtain GFRC panels from single source from single manufacturer.
- C. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1/D1.1M, "Structural Welding Code - Steel," and AWS D1.3, "Structural Welding Code - Sheet Steel."
- D. PCI Manuals: Comply with PCI MNL 128, "Recommended Practice for Glass Fiber Reinforced Concrete Panels" and PCI MNL 130, "Manual for Quality Control for Plants and Production of Glass Fiber Reinforced Concrete Products."
- E. AISI Specifications: Comply with AISI's "North American Specification for the Design of Cold-Formed Steel Structural Members."
- F. AISC Specifications: Comply with ANSI/AISC 360, "Specification for Structural Steel Buildings."
- G. Mockups: Build mockups to demonstrate aesthetic effects and set quality standards for fabrication and installation.
  - 1. Build mockup of typical wall or cornice area as shown on Drawings separately from building.
- H. Preinstallation Conference: Conduct conference at Project site.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Handle and transport GFRC panels to avoid damage, and according to manufacturer's written instructions.
- B. Store GFRC panels to protect from contact with soil, staining, and physical damage.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. Architectural Facades Unlimited
  2. Architectural Mall, Inc.
  3. Architectural Molded Composites
  4. Architectural Precast Ornaments
  5. GC Products
  6. Melton Classics, Inc.
  7. Stromberg Architectural Products, Inc.

2.2 GFRC MATERIALS

- A. Portland Cement: ASTM C 150; Type I, II, or III.
1. For surfaces exposed to view in finished structure, use white of same type, brand, and source throughout GFRC production.
  2. Metakaolin: ASTM C 618, Class N.
- B. Glass Fibers: Alkali resistant, with a minimum zirconia content of 16 percent, 1 to 2 inches (25 to 50 mm) long, specifically produced for use in GFRC, and complying with PCI MNL 130.
- C. Sand: Washed and dried silica, complying with composition requirements in ASTM C 144; passing No. 20 (0.85-mm) sieve with a maximum of 2 percent passing No. 100 (0.15-mm) sieve.
- D. Facing Aggregate: ASTM C 33, except for gradation, and PCI MNL 130, 1/4-inch (6-mm) maximum size.
- E. Coloring Admixture: ASTM C 979, synthetic mineral-oxide pigments or colored water-reducing admixtures, temperature stable, nonfading, and alkali resistant.
1. Colors: Customized to match existing materials, as selected by Architect
- F. Water: Potable; complying with chemical limits of PCI MNL 130.
- G. Polymer-Curing Admixture: Acrylic thermoplastic copolymer dispersion complying with PCI MNL 130.
- H. Air-Entraining Admixture: ASTM C 260.
- I. Chemical Admixtures: ASTM C 494/C 494M.

2.3 ANCHORS, CONNECTORS, AND MISCELLANEOUS MATERIALS

- A. Carbon-Steel Shapes and Plates: ASTM A 36/A 36M.
- B. Carbon-Steel Bars: ASTM A 108, AISI Grade 1018.

- C. Bolts: **ASTM A 307 or ASTM A 325** (ASTM F 568M or ASTM A 325M).

#### 2.4 PANEL FRAME MATERIALS

- A. Cold-Formed Steel Framing: Manufacturer's standard C-shaped steel studs, complying with AISI's "North American Specification for the Design of Cold-Formed Steel Structural Members," minimum uncoated steel thickness of **0.053 inch (1.34 mm)**.
- B. Hollow Structural Sections: Steel tubing, ASTM A 500, Grade B, or ASTM A 513.
- C. Steel Channels and Angles: ASTM A 36/A 36M.

#### 2.5 GFRC MIXES

- A. Backing Mix: Proportion backing mix of portland cement, glass fibers, sand, and admixtures to comply with design requirements. Provide nominal glass-fiber content of not less than 5 percent by weight of total mix.
- B. Face Mix: Proportion face mix of portland cement, sand, facing aggregates, and admixtures to comply with design requirements.
- C. Mist Coat: Portland cement, sand slurry, and admixtures; of same proportions as backing mix without glass fibers.

#### 2.6 PANEL FRAME FABRICATION

- A. Fabricate panel frames and accessories plumb, square, true to line, and with components securely fastened, according to Shop Drawings and requirements in this Section.
  - 1. Fasten cold-formed metal framing members by welding. Comply with AWS D1.3 requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
  - 2. Fasten framing members of hollow structural sections, steel channels, or steel angles by welding. Comply with AWS D1.1/D1.1M requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
  - 3. Weld flex, gravity, and seismic anchors to panel frames.
- B. Reinforce, stiffen, and brace framing assemblies, if necessary, to withstand handling, delivery, and erection stresses. Lift fabricated assemblies in a manner that prevents damage or significant distortion.

#### 2.7 GFRC FABRICATION

- A. Proportioning and Mixing: For backing mix, meter sand/cement slurry and glass fibers to spray head at rates to achieve design mix proportions and glass-fiber content according to PCI MNL 130 procedures.
- B. Spray Application: Comply with general procedures as follows:
  - 1. Spray mist coat over molds to a nominal thickness of **1/8 inch (3 mm)** on planar surfaces.
  - 2. Spray or place face mix in thickness indicated on Shop Drawings.

3. Proceed with spraying backing mix before face mix has set, using procedures that produce a uniform thickness and even distribution of glass fibers and matrix.
  4. Consolidate backing mix by rolling or other technique to achieve complete encapsulation of glass fibers and compaction.
  5. Measure thickness with a pin gage or other acceptable method at least once for each **5 sq. ft. (0.5 sq. m)** of panel surface. Take not less than six measurements per panel.
- C. Hand form and consolidate intricate details, incorporate formers or infill materials, and over spray before material reaches initial set to ensure complete bonding.
- D. Attach panel frame to GFRC before initial set of GFRC backing, maintaining a minimum clearance of **1/2 inch (13 mm)** from GFRC backing, and without anchors protruding into GFRC backing.
- E. Build up homogeneous GFRC bonding pads over anchor feet, maintaining a minimum thickness of **1/2 inch (13 mm)** over tops of anchor feet, before initial set of GFRC backing.
- F. Inserts and Embedments: Build up homogeneous GFRC bosses or bonding pads over inserts and embedments to provide sufficient anchorage and embedment to comply with design requirements.
- G. Curing: Employ initial curing method that will ensure sufficient strength for removing units from mold. Comply with PCI MNL 130 procedures.
- H. GFRC Finish: As-Cast-Surface Finish, Textured-Surface, Finish Retarded Finish, or Acid-Etched Finish **as determined by Architect or as indicated on Drawings.**

## 2.8 SOURCE QUALITY CONTROL

- A. Quality-Control Testing: Establish and maintain a quality-control program for manufacturing GFRC panels according to PCI MNL 130.

## PART 3 - EXECUTION

### 3.1 ERECTION

- A. Install clips, hangers, and other accessories required for connecting GFRC panels **and shapes** to supporting members and backup materials.
- B. Lift GFRC panels **and shapes** and install without damage.
- C. Install GFRC panels **and shapes** level, plumb, square, and in alignment. Provide temporary supports and bracing as required to maintain position, stability, and alignment of panels **and shapes** until permanent connections are completed.
1. Maintain horizontal and vertical joint alignment and uniform joint width.
  2. Remove projecting hoisting devices.
- D. Connect GFRC panels **and shapes** in position by bolting or welding, or both, as indicated on Shop Drawings. Remove temporary shims, wedges, and spacers as soon as possible after connecting is completed.

- E. Welding: Comply with applicable AWS D1.1/D1.1M and AWS D1.3 requirements for welding, appearance, quality of welds, and methods used in correcting welding work.
  - 1. Protect GFRC panels **and shapes** from damage by field welding or cutting operations, and provide noncombustible shields as required.
- F. At bolted connections, use lock washers or other acceptable means to prevent loosening of nuts.
- G. Erect GFRC panels **and shapes** to comply with the following noncumulative tolerances of PCI MNL 130.

### 3.2 REPAIRS

- A. Repairs will be permitted provided structural adequacy and appearance of GFRC panels **and shapes** are not impaired, as approved by Architect.
- B. Remove and replace damaged GFRC panels of GFRC panel **and shapes** when repairs do not comply with requirements.

### 3.3 CLEANING AND PROTECTION

- A. Perform cleaning procedures, if necessary, according to GFRC manufacturer's written instructions. Clean soiled GFRC surfaces with detergent and water, using soft fiber brushes and sponges, and rinse with clean water. Prevent damage to GFRC surfaces and staining of adjacent materials.

END OF SECTION 034900

SECTION 085200 - WOOD WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Wood windows and replacement of wood windows within existing openings

B. Related sections:

1. Section 015000 – Temporary Facilities and Controls
2. Section 017419 – Construction Waste Management and Disposal.
3. Section 024119 - Selective Demolition
4. Section 079200 - Joint Sealants
5. Section 099113 - Exterior Painting
6. Section 099123 - Interior Painting

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.

C. Samples: For each exposed product and for each color specified, 2 by 4 inches (50 by 100 mm) in size.

D. Product Schedule: For wood windows. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

A. Product test reports.

B. Sample warranties.

1.4 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1.5 WARRANTY

A. Manufacturer's Warranty: Manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within specified warranty period.

1. Warranty Period:
  - a. Window: 5 years from date of Substantial Completion.
  - b. Glazing Units: 20 years from date of Substantial Completion.
  - c. Exterior Finish: 10 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide custom wood windows from manufacturers identified below
  1. Basis of Design Manufacturer:
    - a. Re-View, Kansas City, MO, 816-741-2876, [www.re-view.biz](http://www.re-view.biz)
  2. Comparable manufacturers:
    - a. Allied Millwork, Pittsburgh, PA, 412-471-9229, [www.alliedmillwork.com](http://www.alliedmillwork.com)
    - b. Grabill Windows, Almont, MI, 1-810-798-2817, [www.grabillwindow.com](http://www.grabillwindow.com)
    - c. Yarrow Sash and Door, Inc., Manitoba Canada, 877-237-8650, [www.yarrow.mb.ca/](http://www.yarrow.mb.ca/)

### 2.2 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: AAMA/WDMA/CSA 101/I.S.2/A440.
  1. Minimum Performance Class: CW.
  2. Minimum Performance Grade: 40
- B. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.32 Btu/sq. ft. x h x deg F (1.83 W/sq. m x K).
- C. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.40.

### 2.3 WOOD WINDOWS:

- A. Operating Types: As indicated on Drawings.
- B. Frames and Sashes: Fine-grained wood lumber complying with AAMA/WDMA/CSA 101/I.S.2/A440; kiln dried to a moisture content of not more than 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch (0.8 mm) deep by 2 inches (51 mm) wide; water-repellent preservative treated.
  1. All sashes are to be replicas of existing original historical windows
  2. Finger-joints and edge gluing are not permitted for sashes.
  3. Wood Species: Provide solid, clear stock Spanish cedar; paint grade.

4. Exterior Finish: Exterior finish as indicated shall be continuous, factory-applied to the greatest extent possible. Field-apply only where factory-application is not possible. Finish sashes prior to installation of insulated glazing units. All exterior surfaces, including sashes, frames and interior of glazing pocket shall receive the following coatings:
    - a. Primer: High quality penetrating alkyd primer;
      - 1) Basis of Design: Sherwin Williams Professional Primecoat Alkyd Wood Primer
    - b. Topcoat: Two coats, spray applied high performance acrylic latex thinned with latex conditioner as required for spray application;
      - 1) Acrylic Latex Basis of Design: Sherwin Williams Duration
      - 2) Latex Conditioner Basis of Design: Flood Floetrol
    - c. Color: White or off-white; specific color to be determined by Architect.
    - d. Protect glazing reglet of the window sash to eliminate rundown from paint or other finish solutions onto the insulated-glass unit or sealants.
  5. Interior Finish: Manufacturer's standard factory-prime coat.
    - a. Exposed Unfinished Wood Surfaces: Pine or manufacturer's standard species.
    - b. Color: White or off-white, as selected by Architect.
    - c. Paint: Protect glazing reglet at window sash to eliminate rundown of paint onto to insulated-glass units. Refer to Section 099123 – Interior Painting for specific requirements.
- C. Insulating-Glass Units: ASTM E 2190.
1. Glass: ASTM C 1036, Type 1, Class 1, q3.
    - a. Tint: Clear.
    - b. Safety Glass: Provide Kind FT, fully tempered, labeled safety glass at all glazed areas within 18 inches of adjacent finish floor surface.
  2. Lites: Two.
    - a. Glass thickness: 0.125 or 0.25 inches, as indicated on Drawings, dependent on location within window.
    - b. Space thickness: 0.5 inches or as indicated on Drawings.
  3. Filling: Fill space between glass lites with argon.
  4. Low-E Coating: Sputtered on second or third surface.
  5. Basis of Design Product: Cardinal 366 Lo-E<sup>3</sup>
  6. Spacer: Insulating glass spacer shall be stainless steel, powder-coated;
    - a. Color: Medium or dark bronze in color.
- D. Glazing System: Manufacturer's standard factory-glazing system that produces weathertight seal.
- E. Sealants: Glazing sealants shall be low in petroleum-based solvents, and shall be approved by the manufacturer of the insulated-glass unit for use with their product.
- F. Hardware, General: Manufacturer's standard corrosion-resistant hardware sized to accommodate sash weight and dimensions.
1. Exposed Hardware Color and Finish: As selected by Architect from manufacturer's full range.

- G. Projected Window Hardware:
1. Gear-Type Rotary Operators: Complying with AAMA 901 when tested according to ASTM E 405, Method A. Provide operators that function without requiring the removal of interior screens or using screen wickets.
    - a. Type and Style: **Folding handle type**, as selected by Architect from manufacturer's full range of types and styles.
  2. Hinges: Manufacturer's standard type for sash weight and size indicated.
  3. Single-Handle Locking System: Operates positive-acting arms that pull sash into locked position. Provide one arm on sashes up to **29 inches (735 mm)** tall and two arms on taller sashes.
- H. Hung Window Hardware:
1. Counterbalancing Mechanism: AAMA 902.
  2. Locks and Latches: Operated from the inside only.
  3. Tilt Hardware: Releasing tilt latch allows sash to pivot about horizontal axis.
- I. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.
- J. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.
1. Exposed Fasteners: Do not use exposed fasteners to the greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.
- K. **Provide fixed windows as indicated on Drawings**

## 2.4 ACCESSORIES

- A. Dividers (False Muntins): Provide divider grilles in designs indicated for each sash lite.
1. Quantity and Type: Three per sash, two permanently located at exterior and interior lites and one permanently located between insulating-glass lites.
  2. Material: Manufacturer's standard.
  3. Pattern: As indicated on Drawings.
  4. Profile: **As indicated below** or as selected by Architect from manufacturer's full range.
    - a. **Interior – Solid Wood**
      - 1) Width: **7/8-inch x 0.475-inch** SDL bar; **Ogee Profile**
    - b. **Exterior – Solid Wood**
      - 1) Width: **7/8-inch x 0.318-inch** SDL bar; **Putty Glaze Profile**
  5. Color:
    - a. Exterior muntins: match adjacent exterior frame and sash.
    - b. Interior muntins: match adjacent interior frame and sash.
    - c. **Spacer: Insulating glass spacer shall be stainless steel, powder-coated;**
      - 1) **Color: Medium or dark bronze in color.**
- B. **Provide factory-installed jamb extensions for wall thicknesses other than manufacturer's standard. Match interior finish.**

## 2.5 INSECT SCREENS

- A. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.
  - 1. Type and Location:
    - a. Full, inside for project-out sashes.
    - b. Full, outside for double-hung sashes.
- B. Aluminum Frames: Complying with SMA 1004 or SMA 1201.
  - 1. Finish for Interior Screens: Baked-on organic coating in color selected by Architect from manufacturer's full range.
  - 2. Finish for Exterior Screens: Matching color and finish of cladding.
- A. Glass-Fiber Mesh Fabric: Minimum 18-by-16 (1.0-by-1.1-mm) or manufacturer's standard size mesh complying with ASTM D 3656.
  - 1. Mesh Color: High-transparency, high light-transmissivity, black or charcoal gray.

## 2.6 FABRICATION

- A. Fabricate wood windows in sizes indicated. Include a complete system for installing and anchoring windows.
- B. Glaze wood windows in the factory.
- C. Weather strip each operable sash to provide weathertight installation.
- D. Provide mullions and cover plates, matching window units, complete with anchors for support to structure and installation of window units. Allow for erection tolerances and provide for movement of window units due to thermal expansion and building deflections. Provide mullions and cover plates capable of withstanding design wind loads of window units.
- E. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming, and fitting at Project site.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Remove, haul and dispose of existing windows in accordance with Section 024119 - Selective Demolition and Section 017419 – Construction Waste Management and Disposal.
- B. Provide abatement of any hazardous materials (including lead paint or asbestos) in existing windows, trim or adjacent materials in accordance with all authorities having jurisdiction.
- C. Provide temporary protection for window openings in accordance with Section 015000 – Temporary Facilities and Controls, and Owner requirements.
- D. Verify all dimensions of existing conditions and openings in the field.

- E. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E 2112.
- F. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.
- G. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.
- H. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.
- I. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.
- J. Touch up scratches, chips, etc. in the field with paint of same composition, type and color at factory-applied coatings.

END OF SECTION 085200

SECTION 101430 - ELECTRONIC SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Restoration or repair of exterior electronic signage

B. Existing Neon Marquee Signage Conditions and Summary of the Work:

1. The three existing exterior neon marquee signs on the front façade of the building are in significant disrepair but were made temporarily operational in 2010 for use in the filming of the movie "One for the Money". The company responsible for the temporary neon repair work at that time was:

The Neon Doctor  
5134 Clairton Blvd  
Pittsburgh, PA 15236  
412-885-7075  
<http://www.glenngraham.com/theneondoctor.asp>

2. Marquee signs will be repaired, removed, replaced (in whole or part as indicated) or restored as indicated on Drawings and as follows:

- a. Lowest level marquee sign at area of original canopy marquee: Existing sign consists of individual "exposed neon" (bent shapes) letters placed on a painted letter background. The letters are contained within display "cabinets" consisting of a metal (aluminum or other) box with clear polycarbonate polymer (Lexan) face. The Work will consist of:

- 1) Stabilization of sign support structure and sheathing panels as called for here or in other Sections of the Work.
- 2) Glass tubing for neon is in good condition; verify need for repairs in the field.
- 3) Neon was re-pumped in 2010; verify condition in the field and re-pump neon as necessary.
- 4) Repair and repaint channel letters behind neon tubing
- 5) Replacement or significant repair of metal cabinets; verify condition and metal type in the field. Repair to be Kynar-painted aluminum cabinet or other rust/weather resistant cabinet.
- 6) Replacement of cabinet face with similar vandal/weather resistant clear and visible face; polycarbonate polymer (Lexan)
- 7) Replacement of electronic transformers and power supply as required by Electrical Scope of Work.
- 8) Provision of access panel to new Electrical Work.

- b. Mid-level marquee sign; second floor of building: Remove entirely, including all signage, support structure, related electrical wiring and conduit, etc. Repair wall and other points of connection.

- c. Highest-level marquee sign; vertical mast at top of building: Existing sign consists of a steel box-truss-type support structure with tieback cables to the roof,

supporting a vertical panel sign background with “exposed neon” (bent shapes) letters spelling “Garden” mounted in vertically descending order. The neon bent shapes are placed on a painted letter background. The Work will consist of:

- 1) Stabilization of sign support structure and sheathing panels as called for here or in other Sections of the Work.
- 2) Glass tubing for neon is in good condition; verify need for repairs in the field.
- 3) Neon was re-pumped in 2010; verify condition in the field and re-pump neon as necessary.
- 4) Repair and repaint channel letters behind neon tubing
- 5) Replacement of electronic transformers and power supply as required by Electrical Scope of Work.
- 6) Provision of access panel to new Electrical Work.

## 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For dimensional letter and exterior electronic signs.
  1. Include fabrication and installation details and attachments to other work.
  2. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.
  3. Show message list, typestyles, graphic elements, and layout for each sign at least half size.
  4. Show locations of electrical service connections.
  5. Include diagrams for power, signal, and control wiring.
- C. Samples: For each exposed product and for each color and texture specified.
- D. Sign Schedule: Use same designations specified or indicated on Drawings or in a sign schedule.
- E. Delegated-Design Submittal: For exterior electronic signs.
  1. Include structural analysis calculations for signs indicated to comply with design loads; signed and sealed by the qualified professional engineer responsible for their preparation.

## 1.3 INFORMATIONAL SUBMITTALS

- A. Sample warranty.

## 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

## 1.5 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Five years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design sign structure and anchorage of rooftop and wall sign type(s) to withstand design loads as indicated on Drawings.
- B. Thermal Movements: For exterior signs, allow for thermal movements from ambient and surface temperature changes.
  1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.
- C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

### 2.2 DIMENSIONAL CHARACTERS

- A. Fabricated Channel Characters: Open face with metal side returns or translucent face with metal side returns to match existing adjacent, formed free from warp and distortion; with uniform faces, sharp corners, and precisely formed lines and profiles; internally braced for stability and for securing fasteners; and as follows.
  1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. [ACE Sign Systems, Inc.](#)
    - b. [Allen Industries, Inc.](#); Architectural Division.
    - c. [APCO Graphics, Inc.](#)
    - d. [A. R. K. Ramos Signage Systems.](#)
    - e. [ASI Sign Systems, Inc.](#)
    - f. [Diskey Sign Company.](#)
    - g. [Gemini Incorporated.](#)
    - h. [Metallic Arts.](#)
    - i. [Nelson-Harkins Industries.](#)
    - j. [Poblocki Sign Company, LLC.](#)
    - k. [Steel Art Company.](#)
  2. Illuminated Characters: Frontlighted character construction with neon tube lighting including transformers, insulators, and other accessories for operability, with provision for servicing and concealing connections to building electrical system. Use tight or sealed joint construction to prevent unintentional light leakage. Space lamps apart from each other and away from character surfaces as needed to illuminate evenly or in a manner matching existing.
    - a. Power: As indicated on electrical Drawings.
  3. Character Material: Sheet or plate aluminum, or material matching existing.

4. Character Height: As indicated, or match existing.
5. Character Depth: As indicated, or match existing.
6. Finishes:
  - a. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard, in color as selected by Architect from manufacturer's full range.
7. Mounting: Concealed, stainless-steel back bar or bracket assembly, or match existing.
  - a. Hold characters at distance from wall or panel surface as indicated or to match existing.

## 2.3 DIMENSIONAL CHARACTER MATERIALS

- A. Stainless-Steel Sheet: Type 304.
- B. Acrylic Sheet: ASTM D 4802, Type UVF (UV filtering).

## 2.4 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signage, noncorrosive and compatible with each material joined, and complying with the following:
  1. Use concealed fasteners and anchors unless indicated to be exposed.
  2. For exterior exposure, furnish stainless-steel devices unless otherwise indicated.
  3. Exposed Metal-Fastener Components, General:
    - a. Fabricated from same basic metal and finish of fastened metal unless otherwise indicated.
  4. Sign Mounting Fasteners:
    - a. Concealed Studs: Concealed (blind), threaded studs welded or brazed to back of sign material, screwed into back of sign assembly, or screwed into tapped lugs cast integrally into back of cast sign material, unless otherwise indicated.
    - b. Projecting Studs: Threaded studs with sleeve spacer, welded or brazed to back of sign material, screwed into back of sign assembly, or screwed into tapped lugs cast integrally into back of cast sign material, unless otherwise indicated.
    - c. Through Fasteners: Exposed metal fasteners matching sign finish, with type of head indicated, installed in predrilled holes.
- B. Adhesives: As recommended by sign manufacturer or restoration company and with a VOC content of 70 g/L or less for adhesives used inside the weatherproofing system and applied on-site when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- C. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.

## 2.5 FABRICATION

- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.

1. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.
  2. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.
  3. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
  4. Internally brace signs for stability and for securing fasteners.
  5. Provide rebates, lugs, and brackets necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.
  6. Castings: Fabricate castings free of warp, cracks, blowholes, pits, scale, sand holes, and other defects that impair appearance or strength. Grind, wire brush, sandblast, and buff castings to remove seams, gate marks, casting flash, and other casting marks before finishing.
- B. Brackets: Fabricate brackets, fittings, and hardware for bracket-mounted signs to suit sign construction and mounting conditions indicated. Modify manufacturer's standard brackets as required.
1. Aluminum Brackets: Factory finish brackets with baked-enamel or powder-coat finish to match sign-background color unless otherwise indicated.
  2. Stainless-Steel Brackets: Factory finish brackets to match sign background with No. 4 finish unless otherwise indicated.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
  2. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
  3. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.
- B. Mounting Methods:
1. Concealed Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
    - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place sign in position and push until flush to surface, embedding studs in holes. Temporarily support sign in position until adhesive fully sets.
    - b. Thin or Hollow Surfaces: Place sign in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.

2. Projecting Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
    - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place spacers on studs, place sign in position, and push until spacers are pinched between sign and substrate, embedding the stud ends in holes. Temporarily support sign in position until adhesive fully sets.
    - b. Thin or Hollow Surfaces: Place spacers on studs, place sign in position with spacers pinched between sign and substrate, and install washers and nuts on stud ends projecting through opposite side of surface, and tighten.
  3. Through Fasteners: Drill holes in substrate using predrilled holes in sign as template. Countersink holes in sign if required. Place sign in position and flush to surface. Install through fasteners and tighten.
  4. Back Bar and Brackets: Remove loose debris from substrate surface and install backbar or bracket supports in position so that signage is correctly located and aligned.
  5. Adhesive: Clean bond-breaking materials from substrate surface and remove loose debris. Apply linear beads or spots of adhesive symmetrically to back of sign and of suitable quantity to support weight of sign after cure without slippage. Keep adhesive away from edges to prevent adhesive extrusion as sign is applied and to prevent visibility of cured adhesive at sign edges. Place sign in position, and push to engage adhesive. Temporarily support sign in position until adhesive fully sets.
- C. Remove temporary protective coverings and strippable films as signs are installed.

END OF SECTION 101430





Division of Development Administration and Review  
 City of Pittsburgh, Department of City Planning  
 200 Ross Street, Third Floor  
 Pittsburgh, Pennsylvania 15219

**HISTORIC REVIEW COMMISSION OF PITTSBURGH**  
**Application for a Certificate of Appropriateness**

- Staff Use -

**DEADLINES:**  
 Completed Applications must be submitted 15 days prior to next HRC hearing, when a hearing is required.

**FEE SCHEDULE:** See attached  
 Please make check payable to Treasurer, City of Pittsburgh

Fee Paid:  \$ \_\_\_\_\_

Date Received: \_\_\_\_\_  
 Hearing Date: \_\_\_\_\_  
 Lot and Block #: \_\_\_\_\_

ADDRESS OF PROPERTY: 1332-1334-1322-24  
Pgh PA 15233 Columbus

HISTORIC DISTRICT: Manchester

**OWNER**

Name: Manchester Housing Dev. LLC  
 Address: 1319 Allegheny Ave.  
 City, State, Zip: Pittsburgh Pa. 15233  
 Phone: (412) 323-1743 Fax: (412) 322-6448  
 E-MAIL: hawk@manchester.org

**APPLICANT**

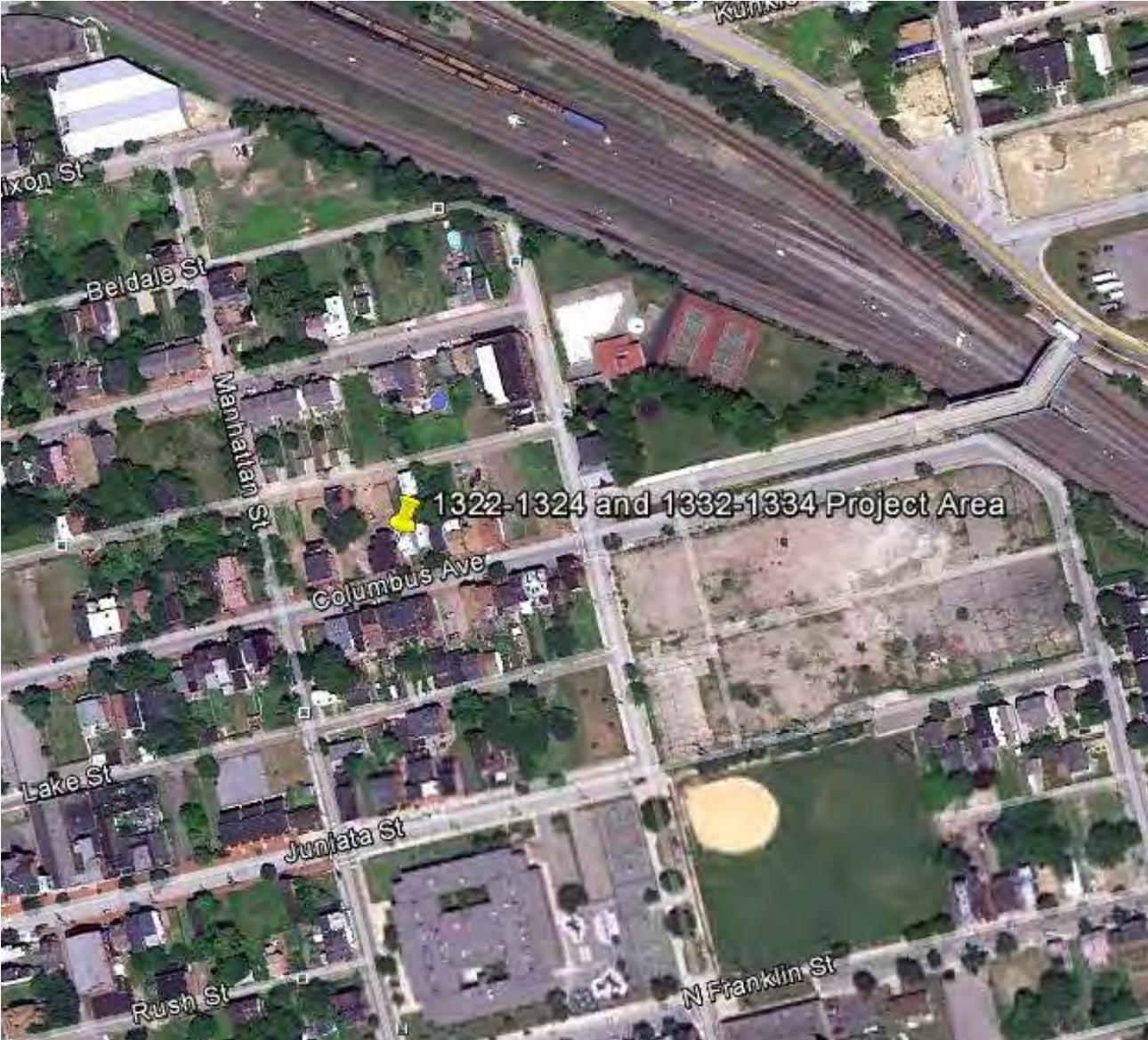
Name: same  
 Address: same  
 City, State, Zip: same  
 Phone: ( ) - Fax: ( ) -  
 E-MAIL: same

REQUIRED ATTACHMENTS:  Drawings  Photographs  Renderings  Site Plan  Other

*Examples of fencing attach*

DETAILED DESCRIPTION OF PROPOSED WORK: \_\_\_\_\_

SIGNATURE [Signature] Owner DATE 9-14-12  
[Signature] Applicant DATE 9-14-12



**1332, 1334, 1322, 1324 Columbus Avenue - Manchester Historic District**

Narrative  
August 23, 2012

Fencing

Install 6' High x 6' Wide, Chicago-Black Wrought Iron Palmetto Commercial Aluminum Fencing; 4-Rail/Picket through; ¾" Picket; arched gates, finials and ball caps along the front yard and side yard along Manhattan Street, and along the property lines between properties.

1332 & 1334 Columbus Avenue  
Manchester Historic District

Fence Installation



Before restoration



After Restoration



STREET CLEARING  
NO PARKING  
IN THIS ZONE  
EXCEPT FOR  
LOADING AND UNLOADING  
MAY 17 10:00 AM

MANCHESTER'S 150th BIRTHDAY  
**AVAILABLE!**  
PULLMAN, THE MUSEUM, & THE THEATRE  
MAY 17 10:00 AM

Fencing  
1300 block of Columbus Avenue  
Manchester Historic District



Side yard



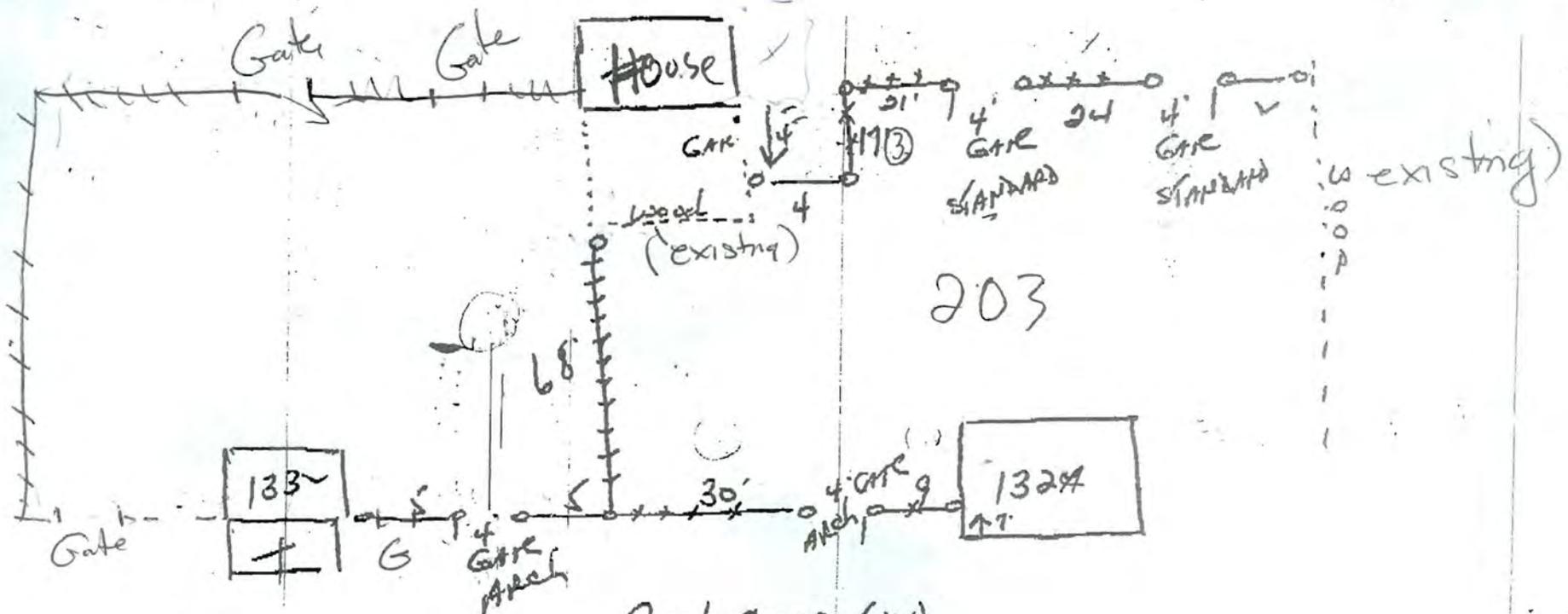
Facing Columbus  
Avenue



1322-24 Columbus Ave.



1332-34 Columbus Ave.



Bail CAP (IV)  
 Columbus Ave  
 FRONT

# PERFECT SOLUTIONS FOR YOUR FENCING REQUIREMENTS!

Variety of Designs to Enhance any Landscape...



Personal Accents Ignite Your Imagination...



## Residential Classic



## Different Levels for Every Application...

Residential: Most popular grade for homes and residential pool areas.

Commercial: Greater strength for higher security and commercial properties. Perfect for municipality applications.

Industrial: When the absolute highest security is required. Strong and extra durable.

## Commercial Chicago



Quality Fence Solution by Palmetto!  
Distributed by:

## Residential Chicago Wall Mount





**Division of Development Administration and Review**

City of Pittsburgh, Department of City Planning

200 Ross Street, Third Floor

Pittsburgh, Pennsylvania 15219

**HISTORIC REVIEW COMMISSION OF PITTSBURGH**

**Application for a Certificate of Appropriateness**

- Staff Use -

**DEADLINES:**

Completed Applications must be submitted 15 days prior to next HRC hearing, when a hearing is required.

**FEE SCHEDULE:** See attached

Please make check payable to Treasurer, City of Pittsburgh

Fee Paid:  \$ \_\_\_\_\_

Date Received: 9/14/12  
Hearing Date: 10/3/12  
Lot and Block #: 1-D-140 1st ward

**ADDRESS OF PROPERTY:** 435 Market Street

**HISTORIC DISTRICT:** Market Square

**OWNER**

Name: Landmarks Development Corporation, LLC

Address: 100 W. Station Square Drive

City, State, Zip: Pittsburgh, PA 15219

Phone: (412) 471-5808 Fax: (412) 471-1633

E-MAIL: michael@phlf.org

**APPLICANT**

Name: LDA Architects

Address: 33 Terminal Way, Suite 317

City, State, Zip: Pittsburgh, PA 15219

Phone: (412) 391-7640 Fax: (412) 471-8163

E-MAIL: eschmidlapp@ldaarchitects.com

**REQUIRED ATTACHMENTS:**  Drawings  Photographs  Renderings  Site Plan  Other

**DETAILED DESCRIPTION OF PROPOSED WORK:** Renovation of Graeme Street façade including new windows with lintels and sills and infill of existing windows. Installation of a new entry door and replacement of existing canopy. Clean and repaint existing brick. Add new coping stone at roof.

**SIGNATURE**

Michael, Owner

**DATE** 9/14/12

[Signature], Applicant

**DATE** 9/14/12





VIEW OF GRAEME STREET FAÇADE OF THE THOMPSON'S BUILDING



VIEW OF GRAEME STREET EAST FACADES FROM FIFTH AVENUE LOOKING TOWARD MARKET SQUARE



VIEW OF GRAEME STREET WEST FACADES FROM FIFTH AVENUE LOOKING TOWARD MARKET SQUARE



VIEW OF BLOCK BETWEEN MARKET SQUARE AND FIFTH AVENUE FACING GRAEME STREET



VIEW OF BLOCK BETWEEN GRAEME STREET AND MARKET STREET FACING MARKET SQUARE

**THOMPSON BUILDING**  
 FACADE RENOVATION  
 435 MARKET STREET  
 PITTSBURGH, PA

**GRAEME STREET:  
 DEMOLITION & PROPOSED  
 ELEVATIONS & WINDOW  
 TYPES**

22 AUGUST 2012  
 3 MAY 2012  
 24 APRIL 2012

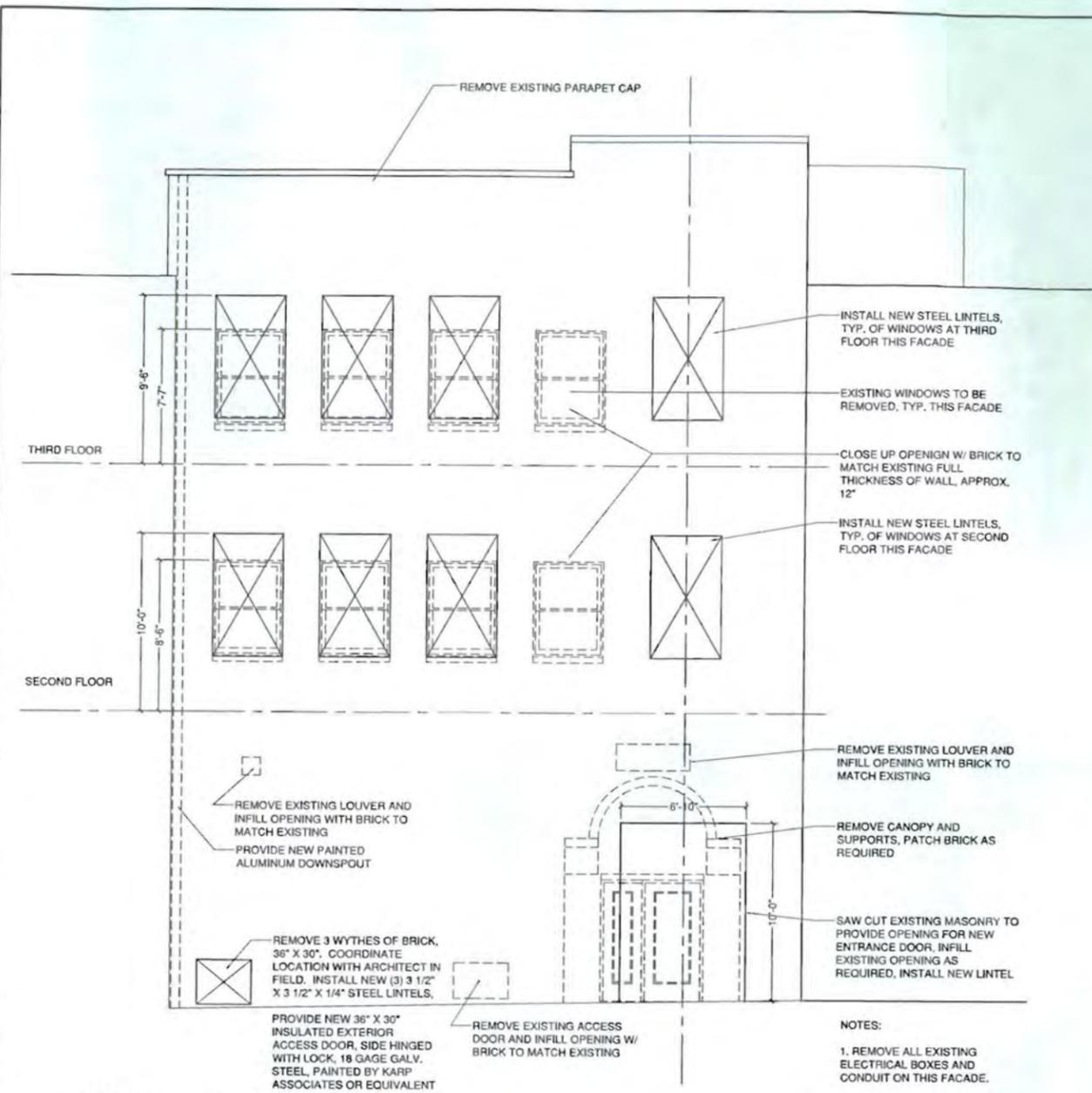
Date: 13 APRIL 2012  
 Revisions:

Project No.  
 LDA 01008.10

Scale  
 AS NOTED  
 TO SCALE WHEN PRINTED AT 24"x36"

Drawing No.

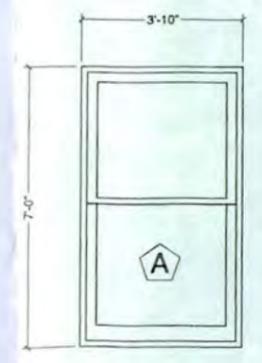
**A3.1**



- NOTES:**
1. REMOVE ALL EXISTING ELECTRICAL BOXES AND CONDUIT ON THIS FACADE.
  2. CLEAN EXISTING BRICK AND PREP FOR NEW PAINTED FINISH.

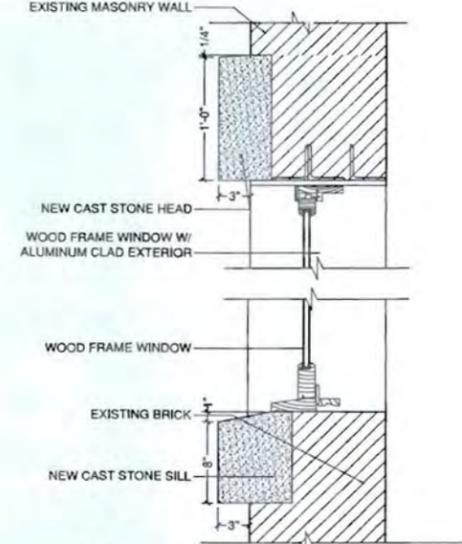


**2 PROPOSED GRAEME STREET FACADE**  
 1/4" = 1'-0"



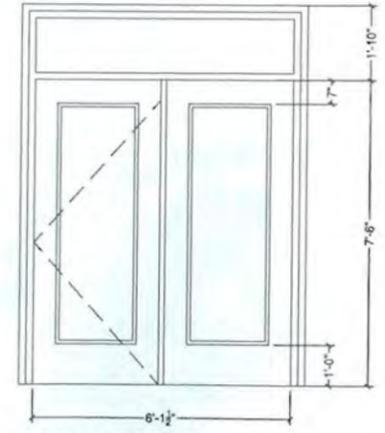
A. WOOD/CLAD DOUBLE HUNG

**3 GRAEME STREET WINDOW TYPES**  
 1/2" = 1'-0"



**4 GRAEME STREET WINDOW DETAILS**  
 1/2" = 1'-0"

**1 GRAEME STREET FACADE - DEMOLITION**  
 1/4" = 1'-0"



A. ALUMINUM ENTRANCE 'A' SINGLE OPERABLE LEAF, OTHER FIXED

**3 GRAEME STREET DOOR TYPES**  
 1/2" = 1'-0"



**HISTORIC REVIEW COMMISSION OF PITTSBURGH**  
**Application for a Certificate of Appropriateness**

DEADLINE:

Completed applications must be received at least 13 working days prior to the HRC hearing, when a hearing is required

FEE SCHEDULE:

See attached. Please make check payable to:  
 Treasurer, City of Pittsburgh.

STAFF USE ONLY:

DATE RECEIVED: 9-13-12  
 LOT AND BLOCK NUMBER: 23-J-198  
 WARD: 22ND  
 FEE PAID: \_\_\_\_\_

**ADDRESS OF PROPERTY:**

618 & 620 N. TAYLOR AVE  
PITTSBURGH PA 15212

**DISTRICT:**

MEXICAN WAR STREETS

**OWNER:**

NAME: TODD MEYER  
 ADDRESS: 1200 MILTON AVE  
PITTSBURGH PA 15218  
 PHONE: 412 608 5844  
 EMAIL: MEYERRENT@gmail

**APPLICANT:**

NAME: TODD MEYER  
 ADDRESS: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_

**REQUIRED ATTACHMENTS:**

- Drawings     Photographs     Renderings     Site Plan     Other

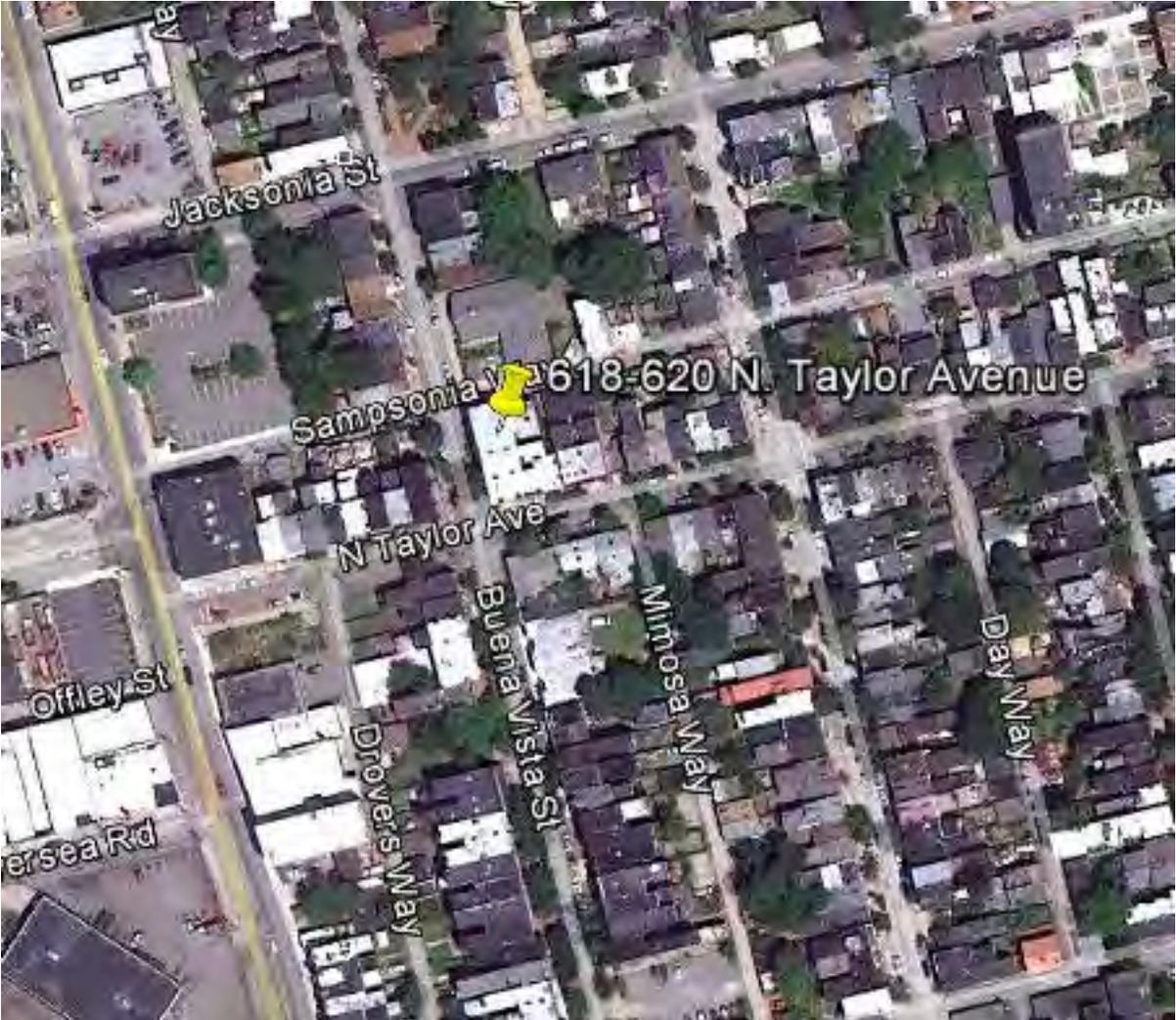
**DETAILED DESCRIPTION OF PROPOSED PROJECT:**

REMOVE EXISTING CINDER BLOCK, STUCCO AND VENEER  
STONE INFILL THEN RESTORE WOOD AND GLASS  
VICTORIAN STOREFRONTS

**SIGNATURES:**

OWNER: [Signature] DATE: 9/13/12

APPLICANT: [Signature] DATE: 9/13/12



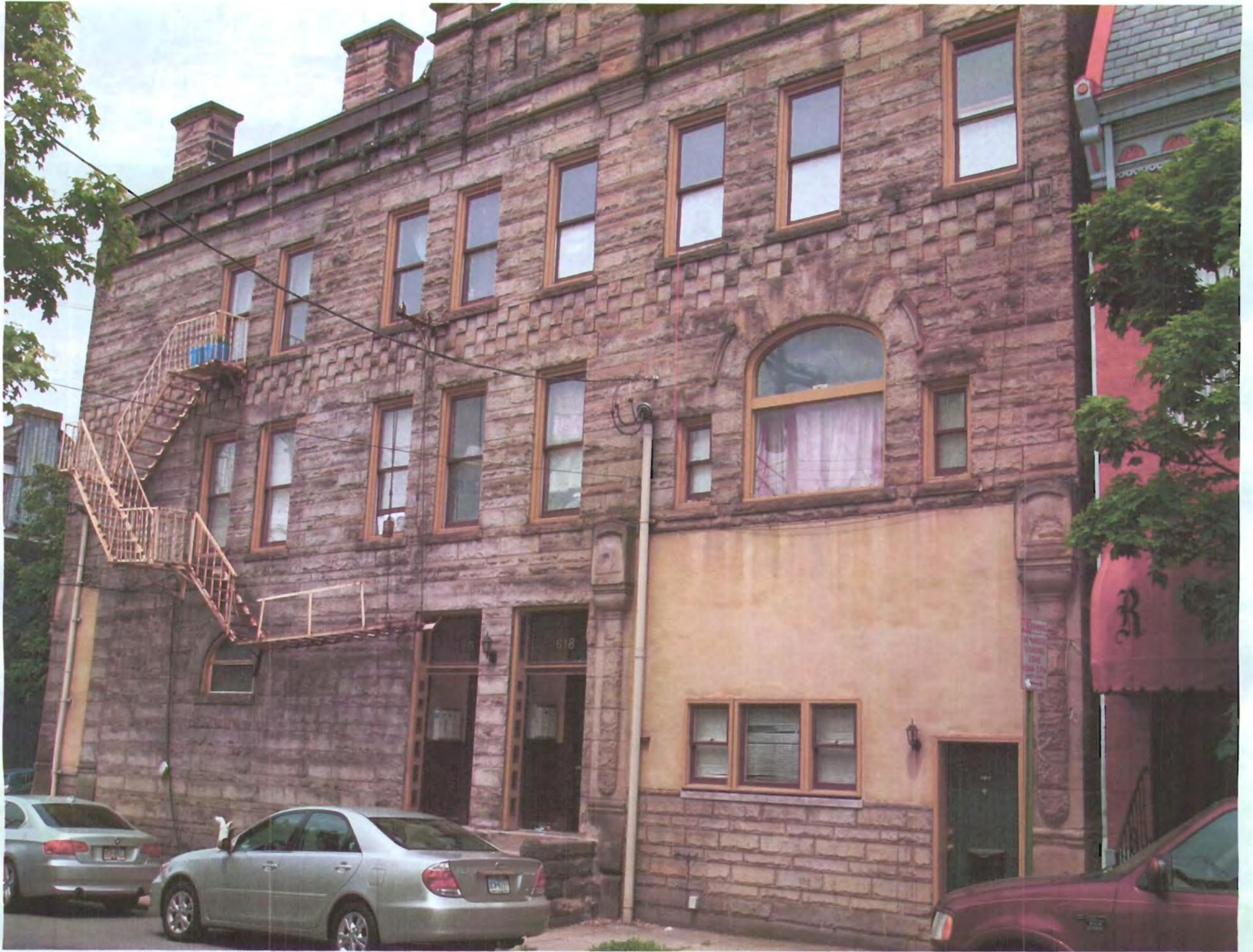
TODD MEYER, OWNER  
412 608 5844



620 N. TAYLOR AVE 618

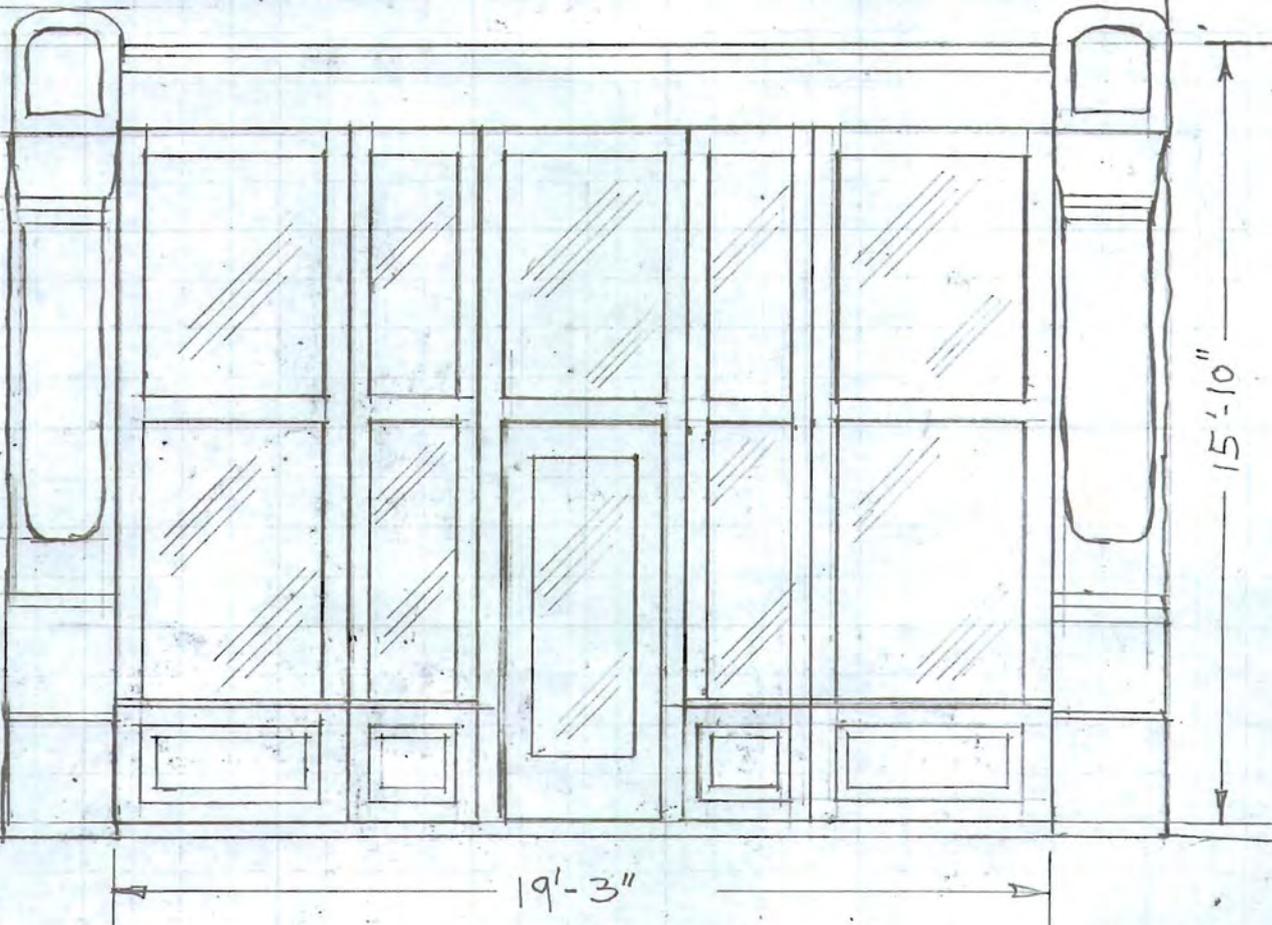


620 N. TAYLOR AVE (AT BUENA VISTA ST.)



618 N. TAYLOR AVE.

- ① REMOVE EXIST. STUCCO AND VENEER STONE SURFACE AND UNDER BLOCK INFILL WALL
- ② INSTALL TEMPERED GLASS FIXED GLAZING IN NEW 5 1/2" WD. JAMBS AND MULLIONS.
- ③ INSTALL SALVAGED CIRCA 1900 WOOD RIM STORE FRONT DOOR (38" X 102").
- ④ FABRICATE AND INSTALL NEW 5/4 WOOD WINDOW SILL AND WOOD PANELS BELOW.
- ⑤ INSTALL WOOD "SIGNBOARD" FASCIA WITH 5" WD. CROWN MOLD AND WD. DRIP EDGE ABOVE.
- ⑥ ALL ORIGINAL STONEMWORK TO REMAIN. NEW WOODWORK SHALL BE PAINTED TO MATCH EXISTING.



PROPOSED STOREFRONT FACADE RESTORATION  
FOR 620 N. TAYLOR AVE., PITTSBURGH

(RESTORATION OF 618 N. TAYLOR TO BE SIMILAR)

SCALE 1/4" = 1'-0"  
 SEPT. 12, 2012

TODD MEYER, R.A., OWNER  
 MEYERRENT@GMAIL.COM



**Division of Development Administration and Review**

City of Pittsburgh, Department of City Planning

200 Ross Street, Third Floor

Pittsburgh, Pennsylvania 15219

**HISTORIC REVIEW COMMISSION OF PITTSBURGH**  
**Application for a Certificate of Appropriateness**

**DEADLINE:**

Completed applications must be received at least 13 working days prior to the HRC hearing, when a hearing is required

**FEE SCHEDULE:**

See attached. Please make check payable to:  
*Treasurer, City of Pittsburgh.*

**ADDRESS OF PROPERTY:**

1168 Murray Hill Avenue

**OWNER:**

NAME: Cliff and Rosanne Levine

ADDRESS: 1168 Murray Hill Avenue

Pittsburgh, PA 15217

PHONE: 412-361-2008

EMAIL: clvine@cohenlaw.com

**STAFF USE ONLY:**

DATE RECEIVED: \_\_\_\_\_

LOT AND BLOCK NUMBER: \_\_\_\_\_

WARD: \_\_\_\_\_

FEE PAID: \_\_\_\_\_

**DISTRICT:**

Murray Hill Avenue

**APPLICANT:**

NAME: Harry Levine - Architect

ADDRESS: 5501 Walnut Street

Pittsburgh, PA 15232

PHONE: 412-621-5292

EMAIL: hl.arch@verizon.net

**REQUIRED ATTACHMENTS:**

- Drawings     Photographs     Renderings     Site Plan     Other

**DETAILED DESCRIPTION OF PROPOSED PROJECT:**

Please see attached:

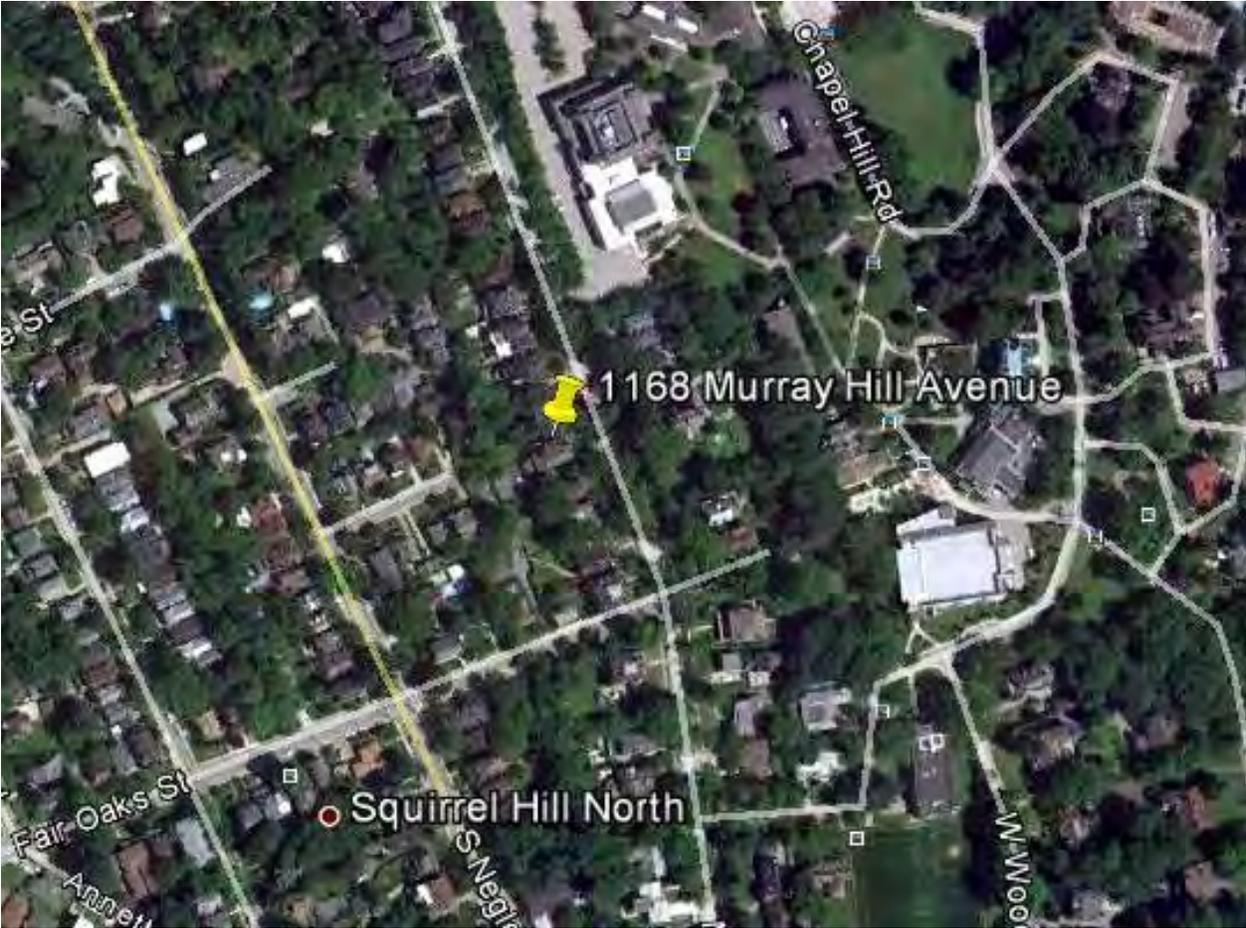
**SIGNATURES:**

OWNER: Clifford B. Jeme

DATE: September 11, 2012

APPLICANT: Clifford B. Jeme

DATE: September 11, 2012



**Harry Levine Architect and Associates**

5501 Walnut Street  
Suite 201  
Pittsburgh, PA 15232

9-12-12

**Cliff and Rosanne Levine**

1068 Murray Hill Avenue  
Pittsburgh, Pa 15217

**Porch Restoration**

Project Summary

A portion of the stone base wall and the concrete floor slab of the porch were damaged earlier this spring in a failed attempt to replace the existing floor slab. A disaster restoration company did demolition work in anticipation of repair work to follow but was halted by the Owners.

The Project now includes but is not limited to:

1. Temporarily shore and support porch roof system and select walls.
2. Remove wrought iron column and handrail system.
3. Complete the existing slab removal.
4. Dismantling of "out of plumb" portion of base wall and stone column.
5. Removal of broken slabs and unused rubble back up stone.
6. Number, diagram, and safely store facing stones for reuse.
7. Excavation for new footers
8. Reinforce and pour footers.
9. Construct reinforced block back up walls.
10. Face with reused stone and or new stone where required to match existing.
11. Reconstruct "in plumb" portion of base wall and stone column.
12. Selectively parge existing foundation.
13. Build wood forms as required to support slabs.
14. Install and tie rebars as per drawings.
15. Pour exposed aggregate slabs.
16. Install new Tuscan column system.
17. Install new handrail and baluster system.
18. Remove temporary shoring and support for roof system.
19. Clean stone as required to match existing.
20. Paint Tuscan columns, handrail and baluster system to match trim of house.
21. Touch up paint soffit and fascia of porch roof.
22. Grade adjacent site as required for landscaping.
23. Landscaping.

Application of Clifford and Rosanne Levine  
1168 Murray Hill Avenue  
Pittsburgh, PA 15217

**Porch Restoration**

<b><u>Exhibit</u></b>	<b><u>Exhibit No.</u></b>
Photo of House 1999.....	1
Site Plan .....	2
Current View of House Photo.....	3
Concrete Deck Replacement Photos.....	4
Site Preparation Photos.....	5
Photos Detailing Initial Design.....	6
Photos of Neighboring Properties.....	7
Architectural Drawings.....	8
Proposed Paint Colors.....	9

# **EXHIBIT 1**

# TRUE PITTSBURGH!!



## SQUIRREL HILL 1168 MURRAY HILL AVENUE

*Outstanding four to six bedroom stone home in lovely serene location.  
Level fenced rear yard for the kids and garden area for Mom and Dad.  
Balconey off two bedrooms on second floor.*

**ONE OF A KIND!!**

- 
- Four, Five or Six Bedrooms
  - Four Full Baths and Powder Room
  - Grand Foyer with Leaded and Stained Glass
  - Three Car Detached Garage
  - Full Third Floor with Bath
  - Many New Windows
  - Wrap Around Porch
  - Inlaid Hardwood Floors
  - Separate, Sunny Breakfast Nook
  - Fireplace in Living Room
- 

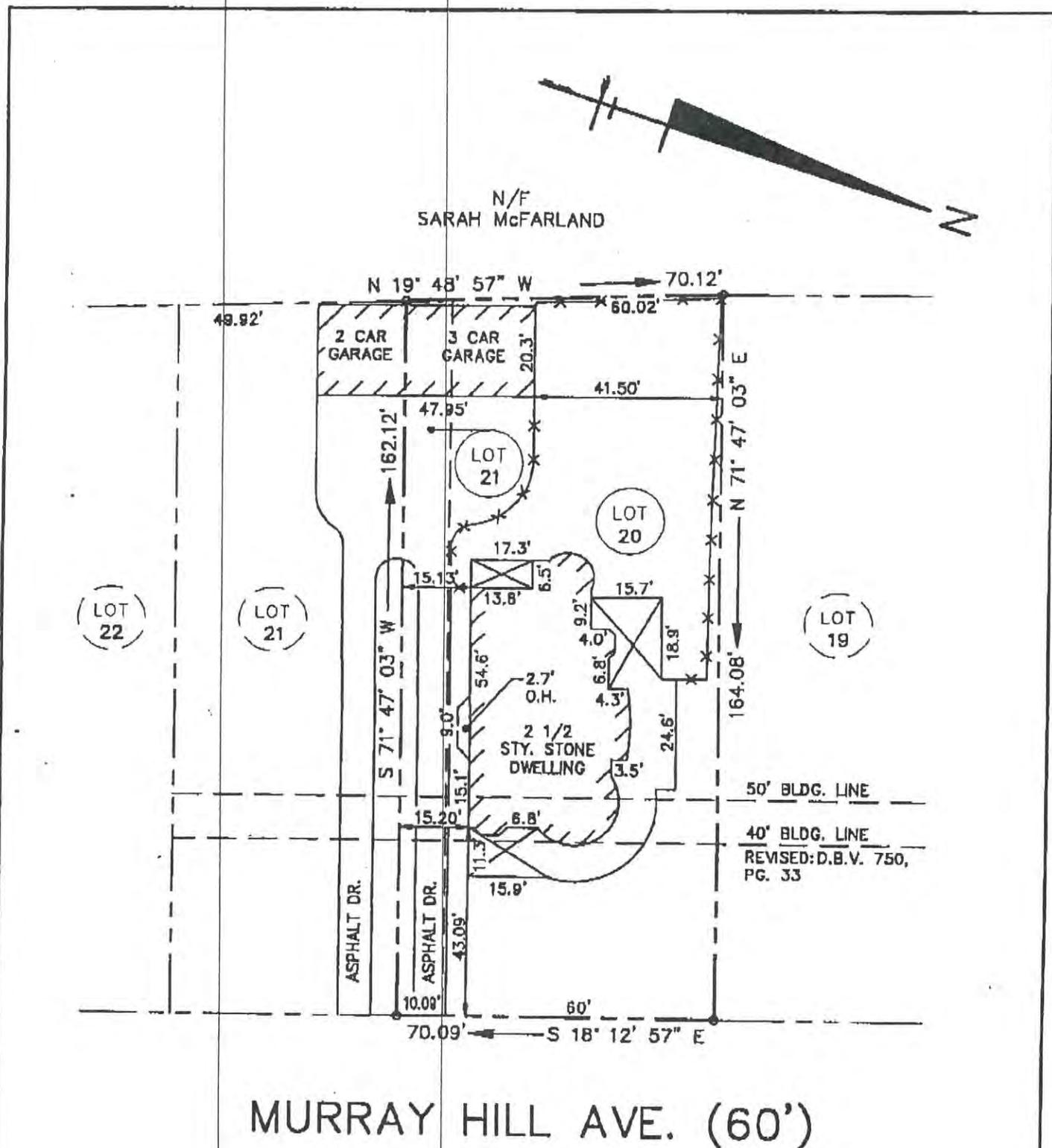
**CAROL MORITZ, AGENT**  
**COLDWELL BANKER REAL ESTATE**

BUS: 412-521-2222X209

HOME: 412-241-2696

*This information is deemed correct but is not warranted.*

# **EXHIBIT 2**



LOT 22

LOT 21

LOT 20

LOT 19



*Richard F. Territ*

**SURVEY CERTIFICATION**

THIS IS TO CERTIFY THAT THIS MAP AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR LAND TITLE SURVEY" JOINTLY ESTABLISHED AND ADOPTED BY ATA AND ACSM IN 1982.

I THE UNDERSIGNED HEREBY CERTIFY THAT I HAVE SURVEYED THE PREMISES DESCRIBED ABOVE; THAT THE BOUNDARY LINES ARE AS SHOWN HEREON; THAT THERE ARE NO VISIBLE ENCROACHMENTS ON SAID PREMISES OTHER THAN THOSE SHOWN ON THIS PLAN; THAT THERE ARE NO VISIBLE EVIDENCES OF PUBLIC PASSAGEWAYS OR ROADWAYS ACROSS SAID PREMISES, EXCEPT AS SHOWN HEREON; THAT THERE ARE NO STRUCTURES ON SAID PREMISES EXCEPT AS SHOWN ON THIS PLAN AND THAT THE RESULTS OF SAID SURVEY ARE TRULY REPRESENTED ON THIS PLAN AND THAT THIS MAP AND SURVEY ON WHICH IT IS BASED ARE MADE IN ACCORDANCE WITH THE MINIMUM STANDARDS OF ATA AND ACSM ESTABLISHED IN 1982.

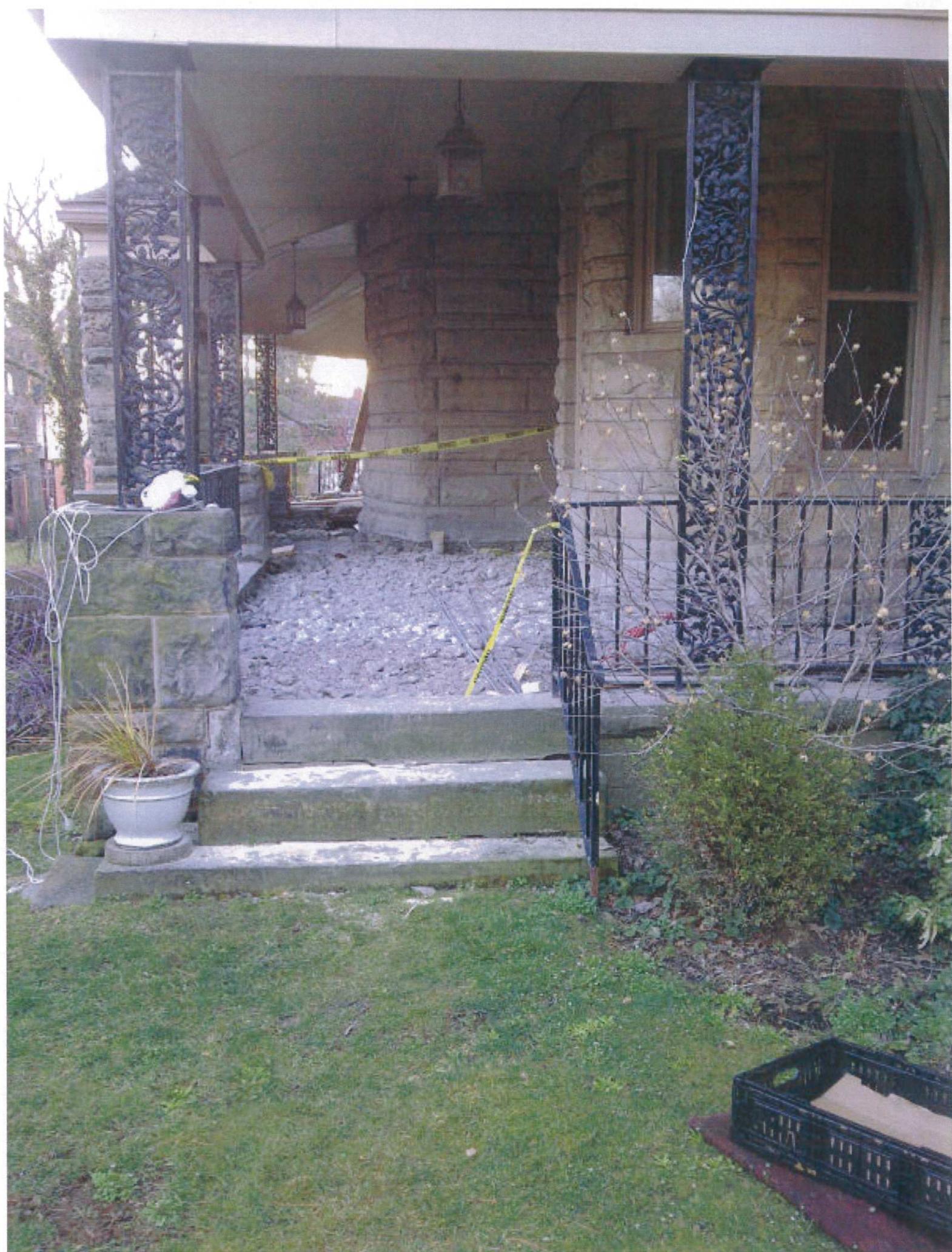
NOT STAKED

<b>PLAN OF SURVEY</b>		
PREPARED FOR		
<b>FREDERICK KAZMAN</b>		
SITUATE IN 14TH WARD CITY OF PITTSBURGH ALLEGHENY COUNTY, PENNSYLVANIA		
PLAN: ARDSHEIL TERRACE		
P.B.V. 10	PG. 18-19	LOT & BLOCK 85-K-210
DATE: 10-24-96		SCALE: 1"=30'
DRAWING NO.	<b>TERRIT'S</b> Survey Services, Inc.	
<b>960797L</b>		
412-247-1722 REGISTERED PROFESSIONAL SURVEYOR		

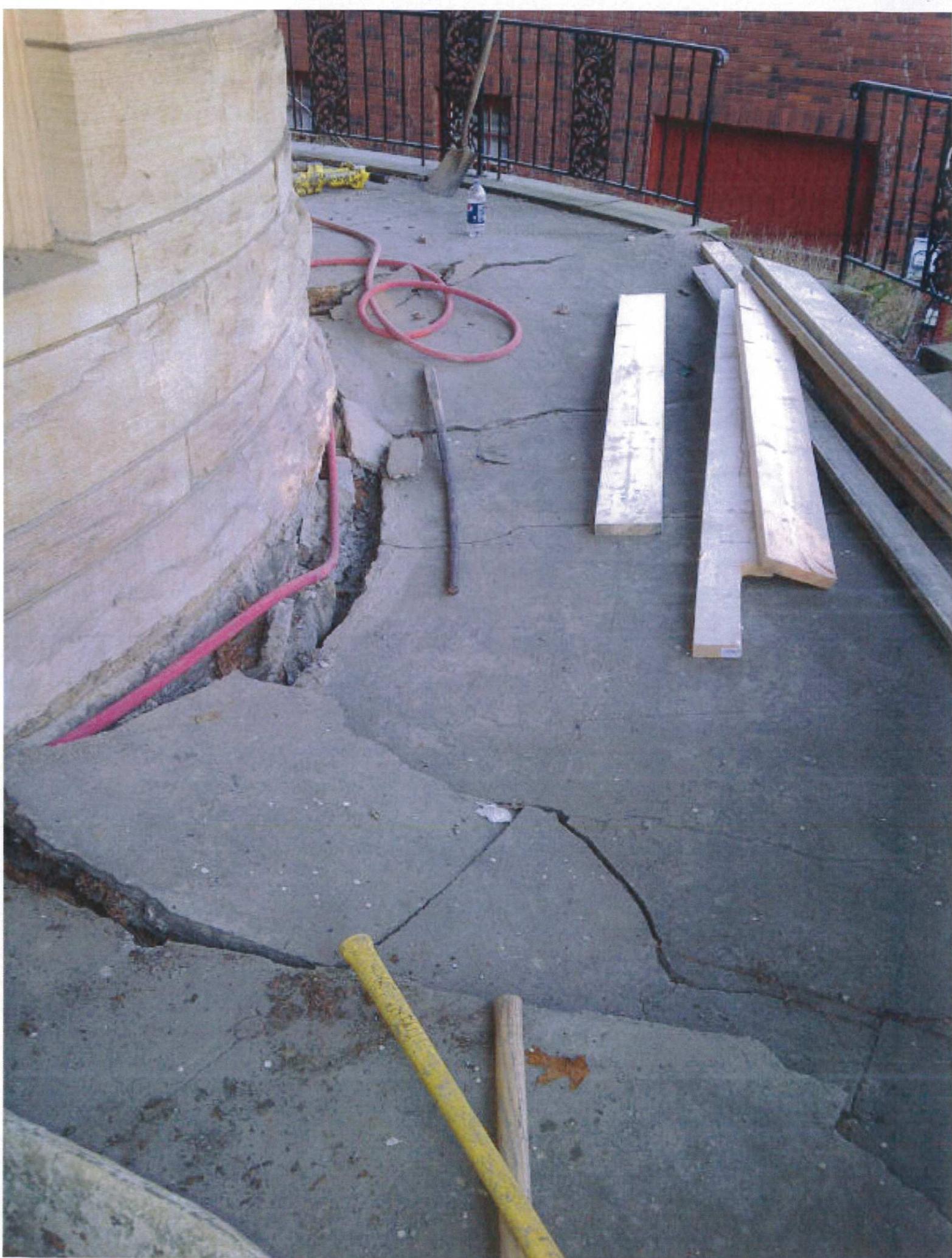
# **EXHIBIT 3**



# **EXHIBIT 4**









# **EXHIBIT 5**

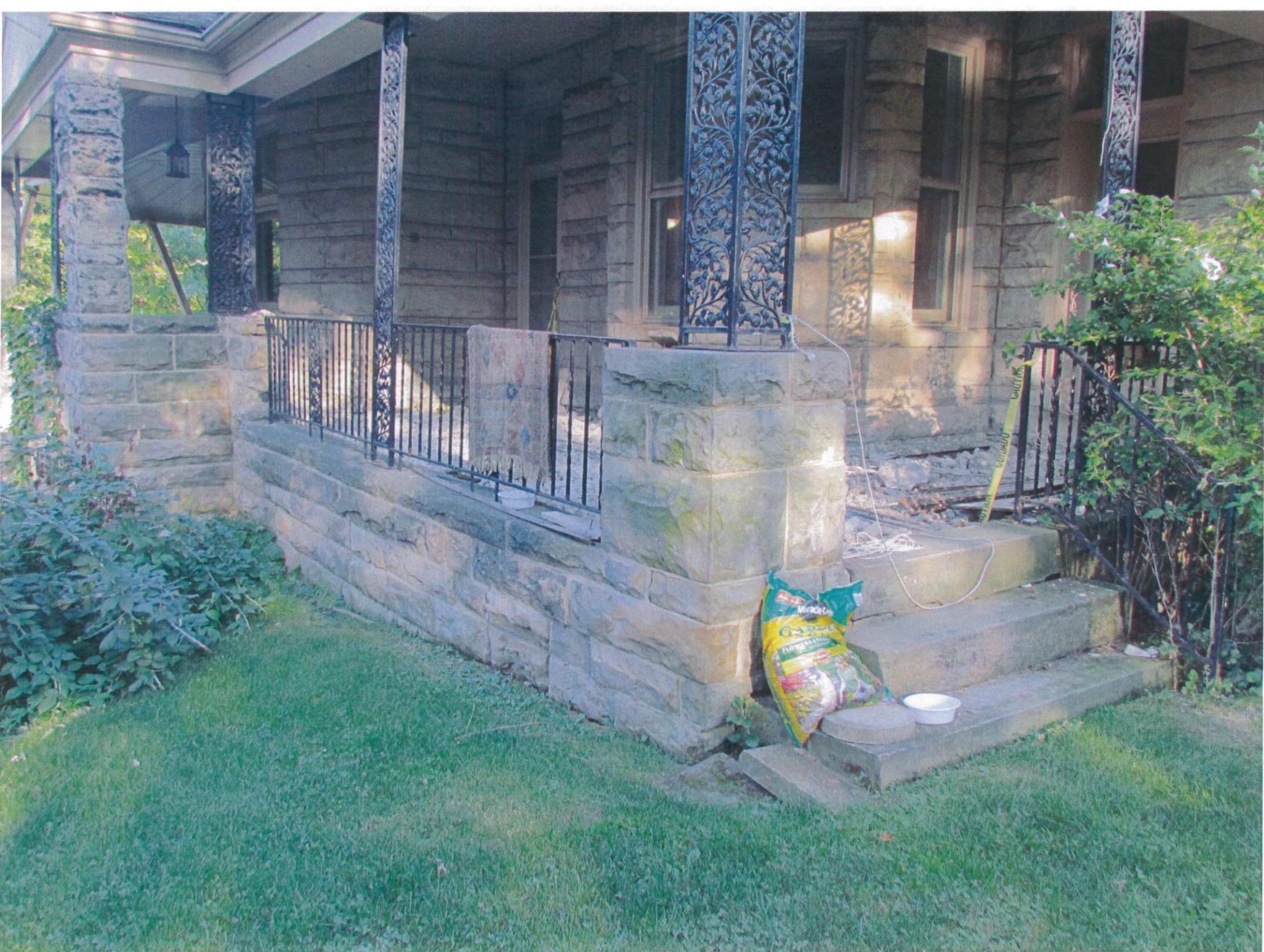








# **EXHIBIT 6**



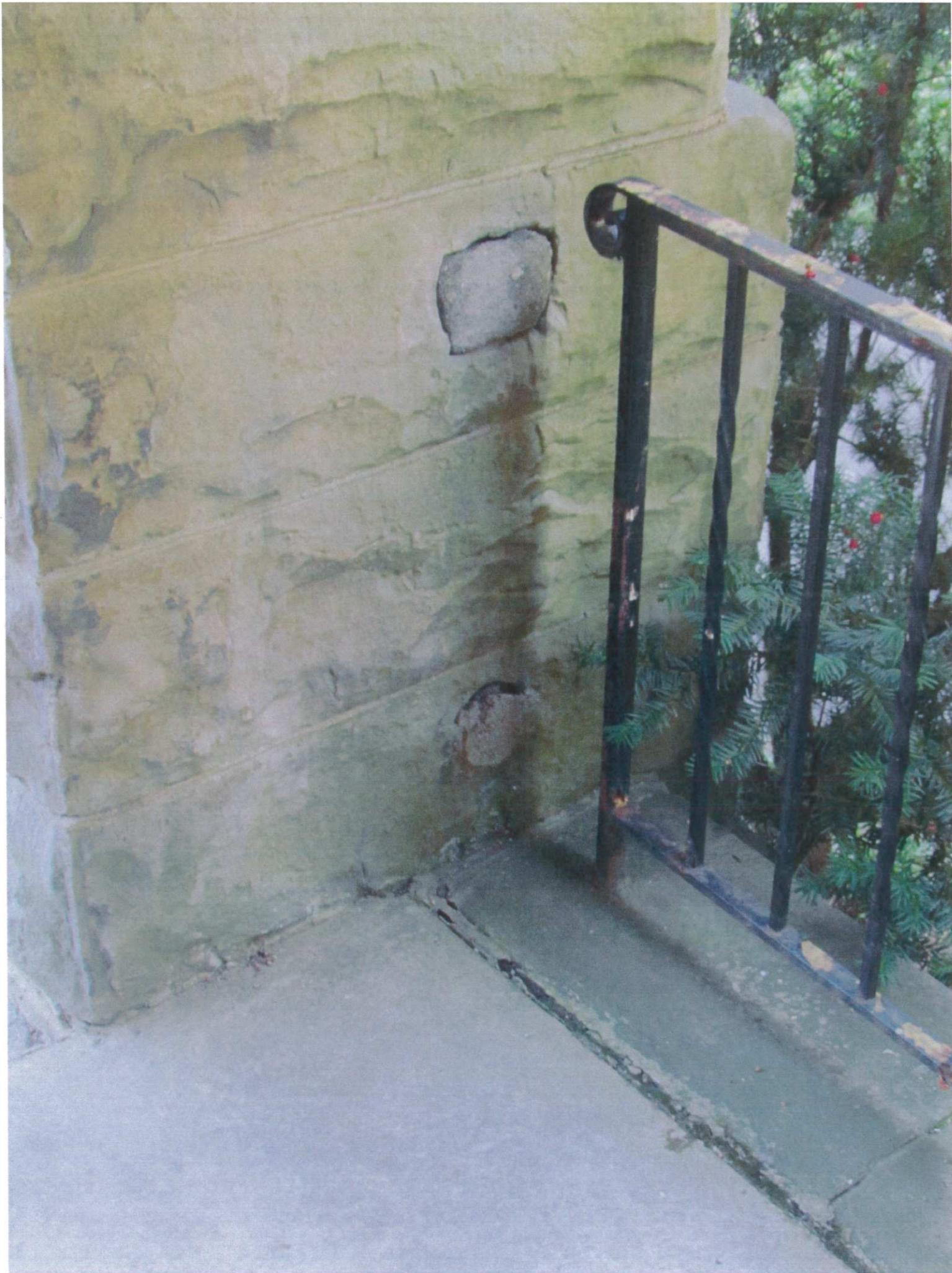












# **EXHIBIT 7**



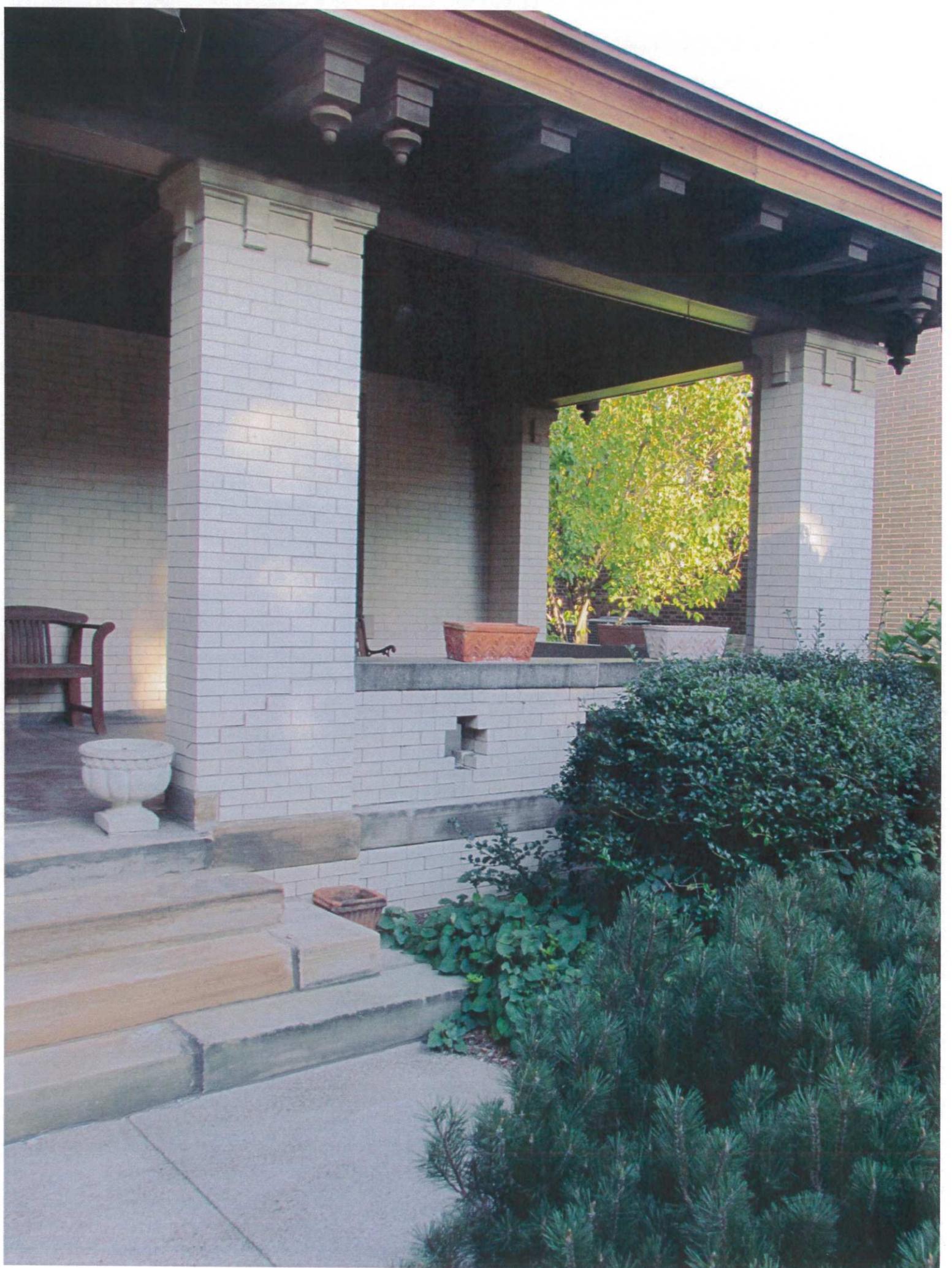










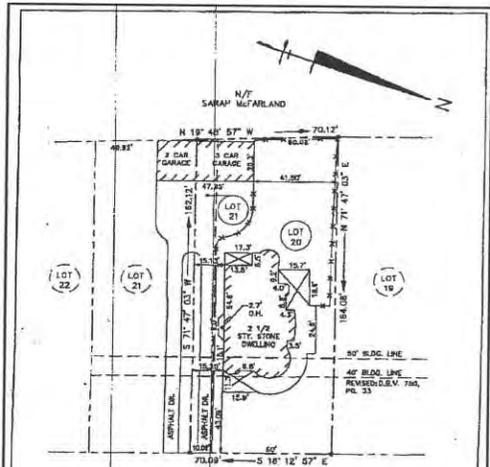


# **EXHIBIT 8**

# PORCH RESTORATION FOR CLIFF & ROSANNE LEVINE

1168 MURRAY HILL AVENUE  
PITTSBURGH, PA 15217

**SURVEY**



*Richard C. Territt*

**SURVEY CERTIFICATION**  
I, the undersigned, certify that I am a duly licensed and qualified Surveyor in the State of Pennsylvania, and that I have personally supervised and verified the accuracy of the survey shown on this plan, and that the same is a true and correct representation of the facts as shown in the field, and that I have not been convicted of any crime involving moral turpitude within the last five years, and that I am not under any legal disability from practicing my profession.

NOT STAKED

<b>PLAN OF SURVEY</b>
PREPARED FOR <b>FREDERICK KAZMAN</b>
SITUATE IN 14TH WARD CITY OF PITTSBURGH ALLEGHENY COUNTY, PENNSYLVANIA
PLAN: ARDSHEL TERRACE
P.E.N. TO P.C. 18-19      LOT & BLOCK      SCALE: 1"=30'
80-K-210
DATE: 10-24-06      DRAWN BY:      TERRIT'S
DRAWING NO.      860797L      Survey Services, Inc.
860797L      412-511-1152      Allegheny Professional Services

**LOCATION MAP**



**DRAWING INDEX**

- CS    COVER SHEET
- EX-1    EXISTING PLANS
- EX-2    EXISTING ROOF PLAN
- EX-3    EXISTING ELEVATIONS
- D-1    DEMOLITION PLAN
- A-1    FOUNDATION PLAN & DETAILS
- A-1.1    SECTIONS & DETAILS
- A-2    FLOOR PLAN
- A-3    ROOF PLAN
- A-4    ELEVATIONS
- A-5    ELEVATIONS

REVISIONS	BY

**HARRY LEVINE ARCHITECT**  
 5501 Walnut St.  
 Pittsburgh, PA 15232  
 Tel: 412.511.5592  
 hlevine@harrylevine.com

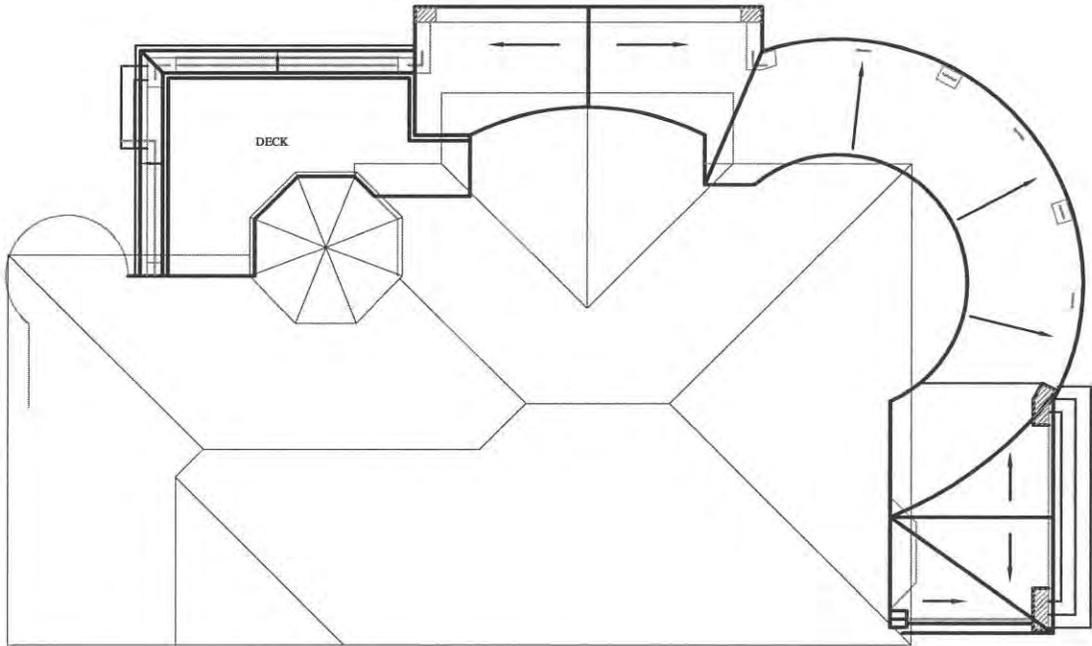
**CLIFF & ROSANNE LEVINE**  
 1168 MURRAY HILL AVENUE  
 PITTSBURGH, PA 15217

**COVER SHEET**

DATE	8-26-12
SCALE	NYS
DRAWN	PL
REV	
SHEET	

**CS**





**EXISTING ROOF PLAN**  
SCALE: 1/4" = 1'-0"

REVISIONS	BY

**HARRY LEVINE ARCHITECT**  
5501 Walnut St.  
Pittsburgh, PA 15222  
Ph: 412.621.6130  
Fax: 412.621.6292

**CLIFF & ROSANNE LEVINE**  
1168 MURRAY HILL AVENUE  
PITTSBURGH, PA 15217



**EXISTING ROOF PLAN**

DATE	8/26/12
SCALE	AS SHOWN
DRAWN	
JOB	
STREET	

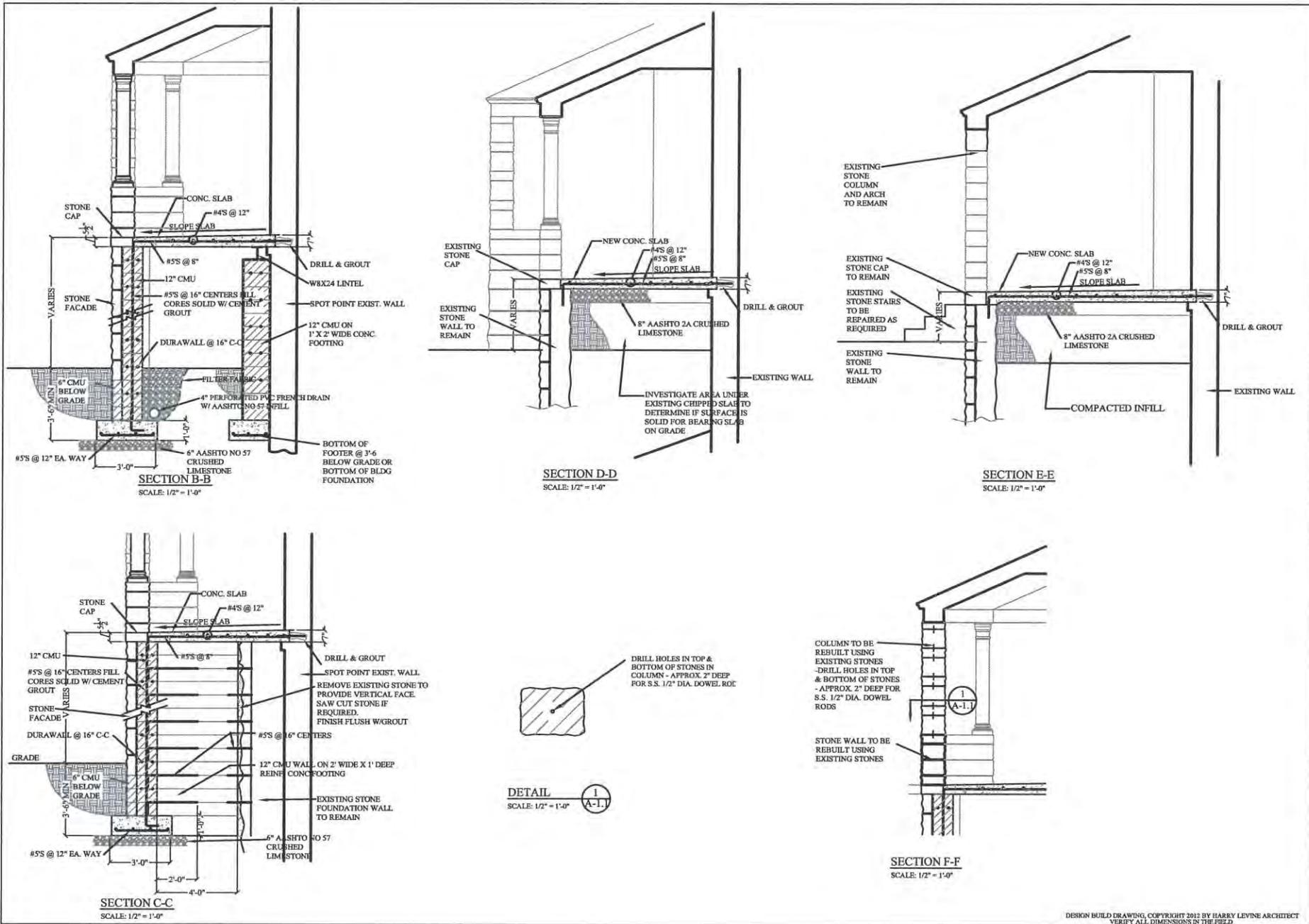
**EX-2**

DESIGN BUILD DRAWING, COPYRIGHT 2012 BY HARRY LEVINE ARCHITECT  
VERIFY ALL DIMENSIONS IN THE FIELD









REVISIONS	BY

HARRY LEVINE ARCHITECT  
 550 Walnut St.  
 Pittsburgh, PA 15222  
 Tel: 412.261.0730  
 Fax: 412.261.2525

CLIFF & ROSANNE LEVINE  
 1168 MURRAY HILL AVENUE  
 PITTSBURGH, PA 15217

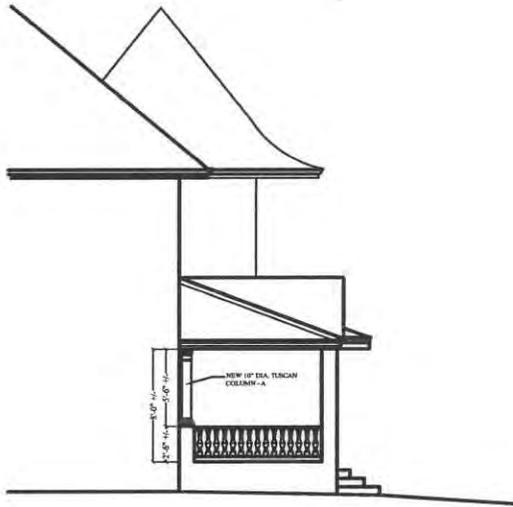
SECTIONS & DETAILS

DATE	8/2012
SCALE	AS SHOWN
DRAWN	
FOR	
SHEET	

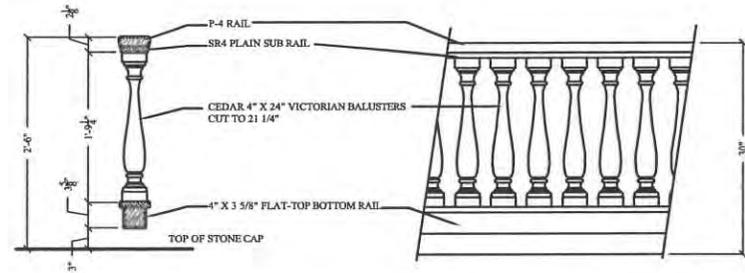
A-1.1







**SIDE ELEVATION**  
SCALE: 1/4" = 1'-0"



**RAILING SECTION**  
SCALE: 1 1/2" = 1'-0"

**RAILING**  
SCALE: 1 1/2" = 1'-0"



**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"

REVISIONS	BY

HARRY LEVINE ARCHITECT  
3301 Walnut St.  
Rm 201 PA 15212  
PH 412.621.4100  
FX 412.621.4100  
TW 412.621.1292

CLIFF & ROSANNE LEVINE  
1168 MURRAY HILL AVENUE  
PITTSBURGH, PA 15217



ELEVATIONS

DATE	6/29/12
SCALE	AS SHOWN
DRAWN	
JOB	
SHEET	

A-4



# **EXHIBIT 9**

Proposed Paint Colors:

Sherwin Williams SW2827 (Colonial Revival Stone)

Benjamin Moore HC-25 (Quincy Tan)

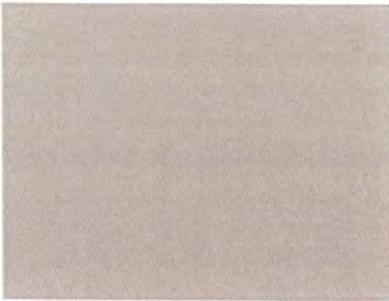
Benjamin Moore HC-37 (Mystic Gold)

in "Duration Satin" finish.



SHERWIN-WILLIAMS.

**COLOR DETAILS**



**SW2827 COLONIAL REVIVAL STONE**

Interior/Exterior

**COLLECTION**

Colonial Revival

**COLOR FAMILIES**

Warm Neutrals

**RGB VALUE**

R: 166

G: 150

B: 124

**HEX VALUE**

#A6967C

**STORES NEAR YOU**

**2405 STATE RD**

Cuyahoga Falls, OH 44223-1597

(330) 929-2661

**4333 KENT RD**

Stow, OH 44224-4330

(330) 688-3088

**855 N COURT ST**

Medina, OH 44256-1718

(330) 725-5771

We can also be reached by phone at:

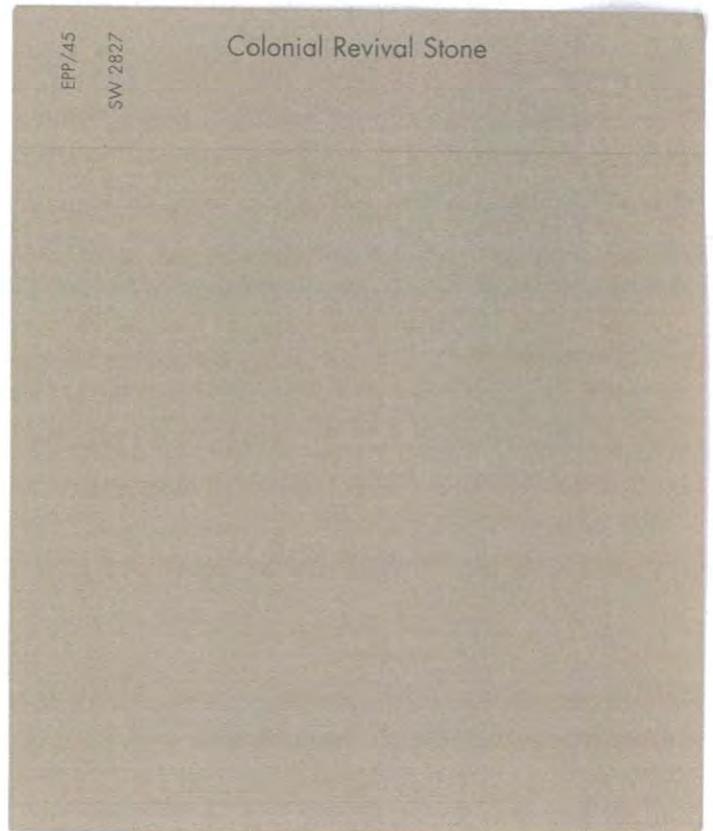
1-800-

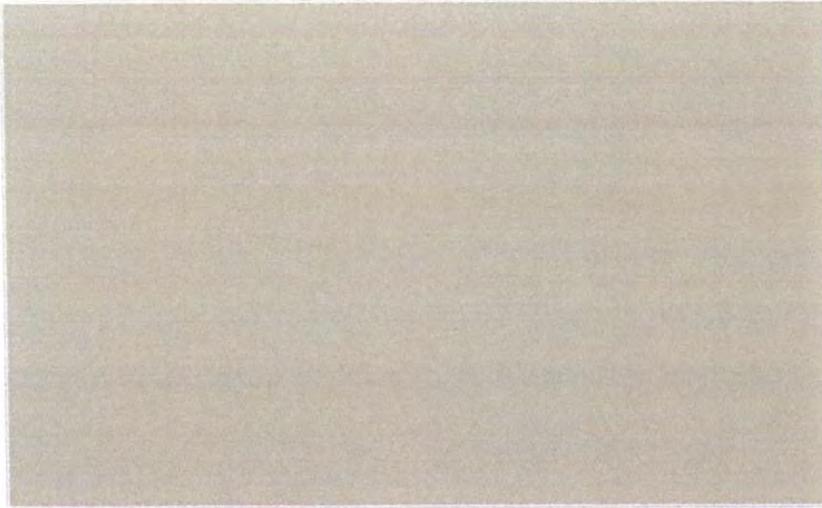
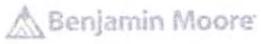
4-SHERWIN (1-800-474-3794)



**NOTES:**

Five horizontal lines for taking notes.





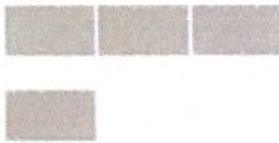
quincy tan  
HC-25

This color is part of the Historic Color Collection. A collection of 174 time-honored hues comprises our most popular palette. Steeped in tradition, the refined elegant colors of the Historical Collection deliver timeless color that can be used in traditional as well as contemporary spaces. Inspired by the documented colors found in 18th and 19th-century architecture, these classic mixing tones continue to bring us well today.

GOES GREAT WITH



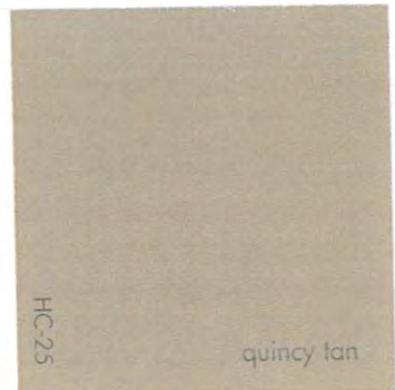
SIMILAR COLORS

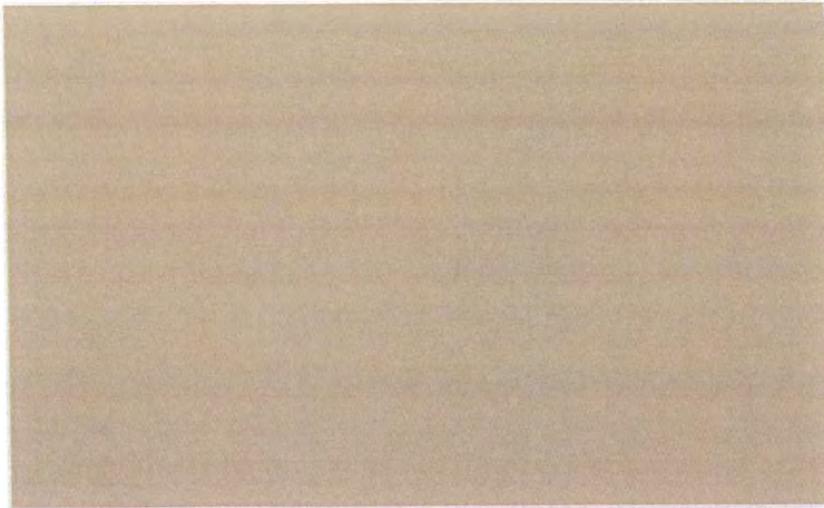


MORE SHADES



BENJAMIN MOORE®  
COLOR PREVIEW™  
HC





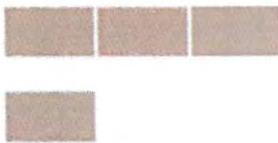
mystic gold  
HC-37

This color is part of the Historic Color collection. A collection of 1747 meticulously researched hues comprises our most popular palette. Instead of fashion, the refined, elegant colors of the Historic Color collection derive timeless color that can be used in traditional as well as contemporary spaces. Inspired by the documented colors found in 19th and 20th-century architecture, these classic color choices continue to be relevant today.

GOES GREAT WITH



SIMILAR COLORS



MORE SHADES





**Division of Development Administration and Review**

City of Pittsburgh, Department of City Planning

200 Ross Street, Third Floor

Pittsburgh, Pennsylvania 15219

**HISTORIC REVIEW COMMISSION OF PITTSBURGH**

**Application for a Certificate of Appropriateness**

DEADLINE:

Completed applications must be received at least 13 working days prior to the HRC hearing, when a hearing is required

FEE SCHEDULE:

See attached. Please make check payable to: Treasurer, City of Pittsburgh.

**ADDRESS OF PROPERTY:**

901 Penn Ave  
Pgh PA 15222

**OWNER:**

NAME: Albert Montz  
ADDRESS: 135 9th St  
Pgh, PA 15222  
PHONE: 412-628-8808  
EMAIL: JDzambo@aol.com

STAFF USE ONLY:

DATE RECEIVED: 9/14/12  
LOT AND BLOCK NUMBER: 9-N-161  
WARD: 20D  
FEE PAID:

**DISTRICT:**

Penn-Liberty

**APPLICANT:**

NAME: Allegheny Construction Management  
ADDRESS: P.O. Box 61014  
Pgh, PA 15212  
PHONE: 412-697-0201  
EMAIL: CAROLDZAMKO@Allegheny Cm. COM

**REQUIRED ATTACHMENTS:**

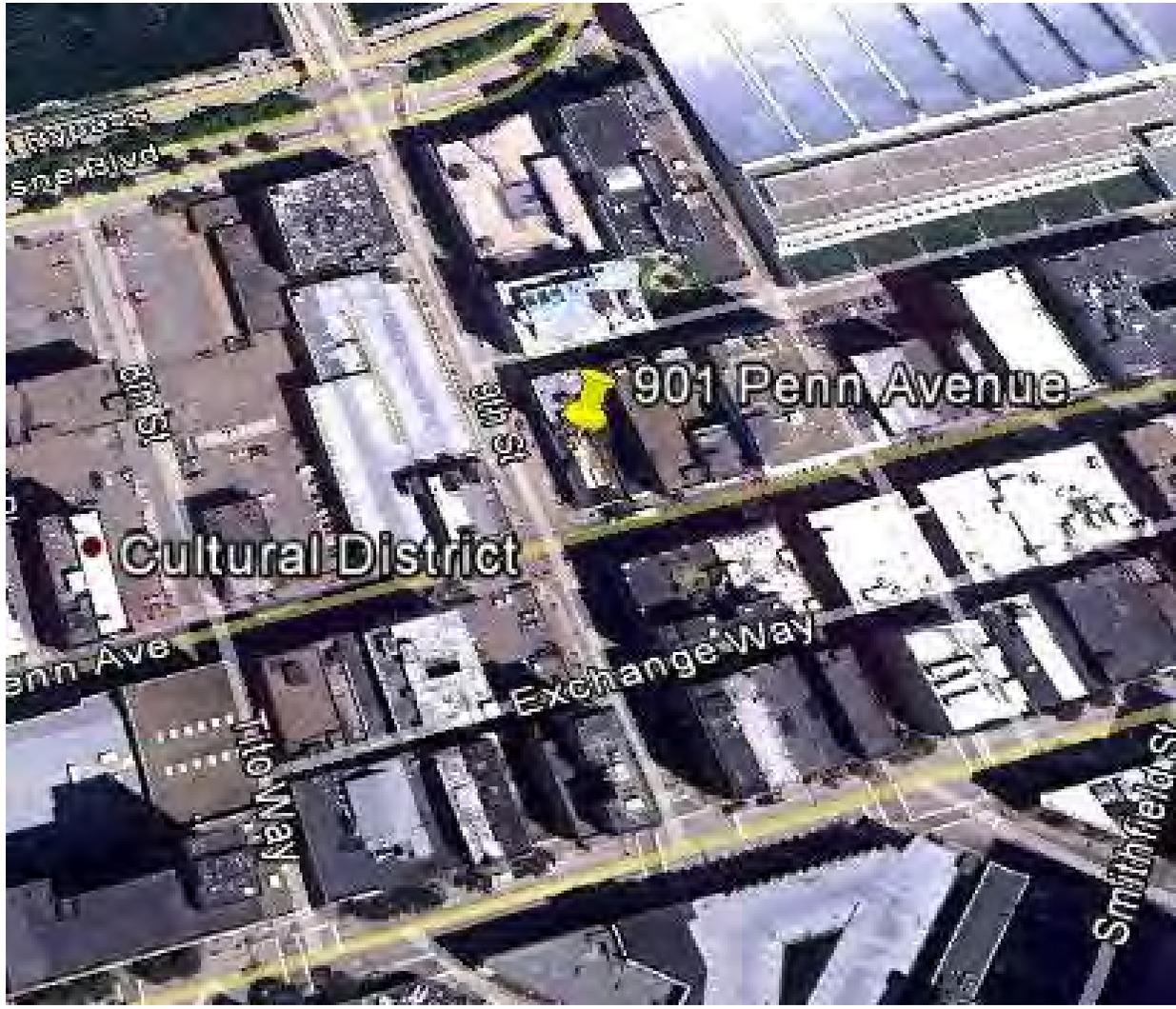
- Drawings    Photographs    Renderings    Site Plan    Other

**DETAILED DESCRIPTION OF PROPOSED PROJECT:**

Adding additional stories to <sup>existing</sup> STAIR tower, Exchange of HVAC units and door openings.

**SIGNATURES:**

OWNER: Ally White, memo rep      DATE: 7-11-12  
APPLICANT: Carol & Dzambo      DATE: 7-11-12

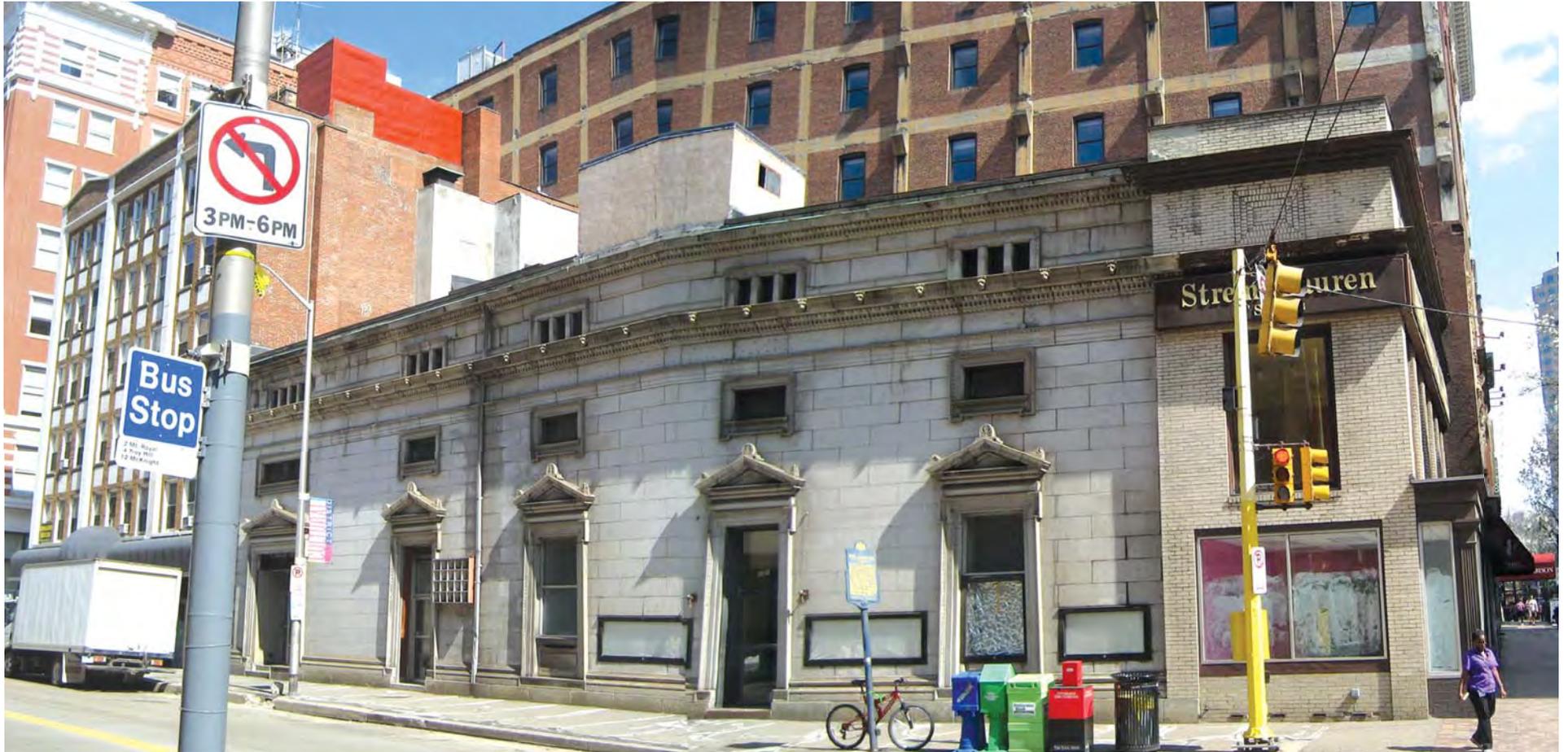




existing penn avenue elevation

**Proposed Renovation Work : 901 Penn Avenue**

14 September 2012



existing 9th street elevation

Proposed Renovation Work : 901 Penn Avenue

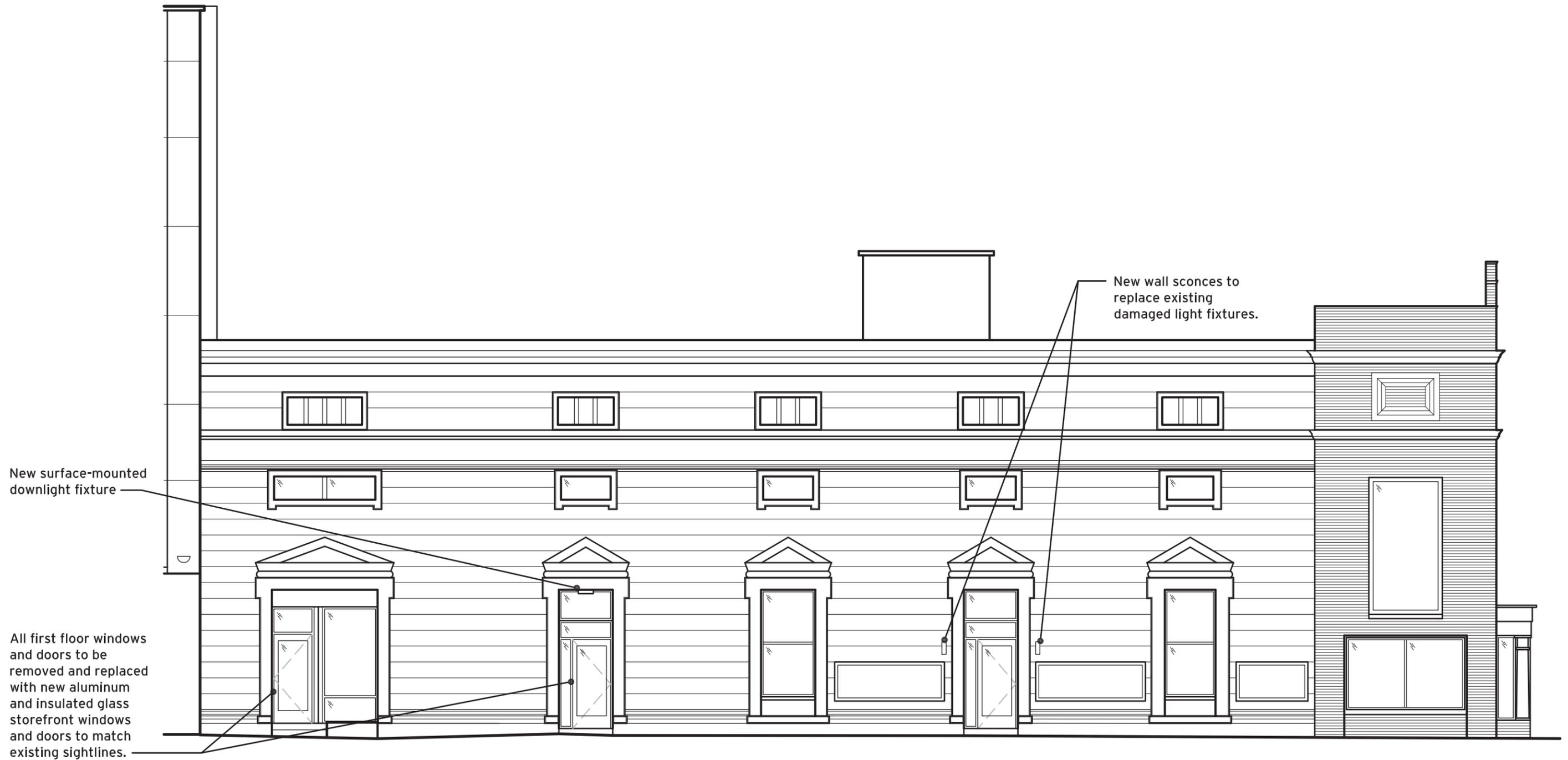
14 September 2012



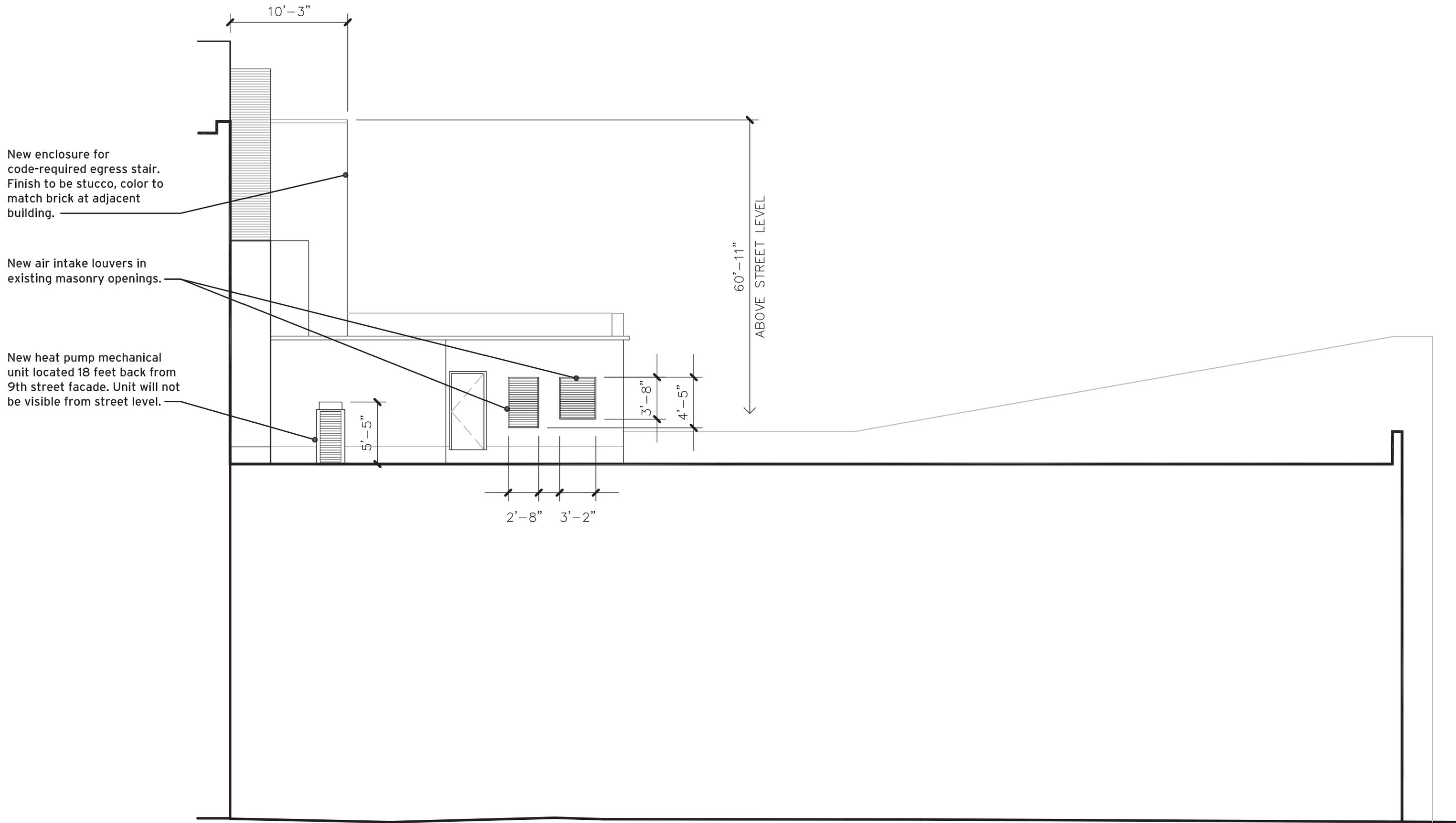
**proposed penn avenue elevation**

**Proposed Renovation Work : 901 Penn Avenue**

14 September 2012



proposed 9th street facade elevation



New enclosure for code-required egress stair. Finish to be stucco, color to match brick at adjacent building.

New air intake louvers in existing masonry openings.

New heat pump mechanical unit located 18 feet back from 9th street facade. Unit will not be visible from street level.

60'-11"  
ABOVE STREET LEVEL

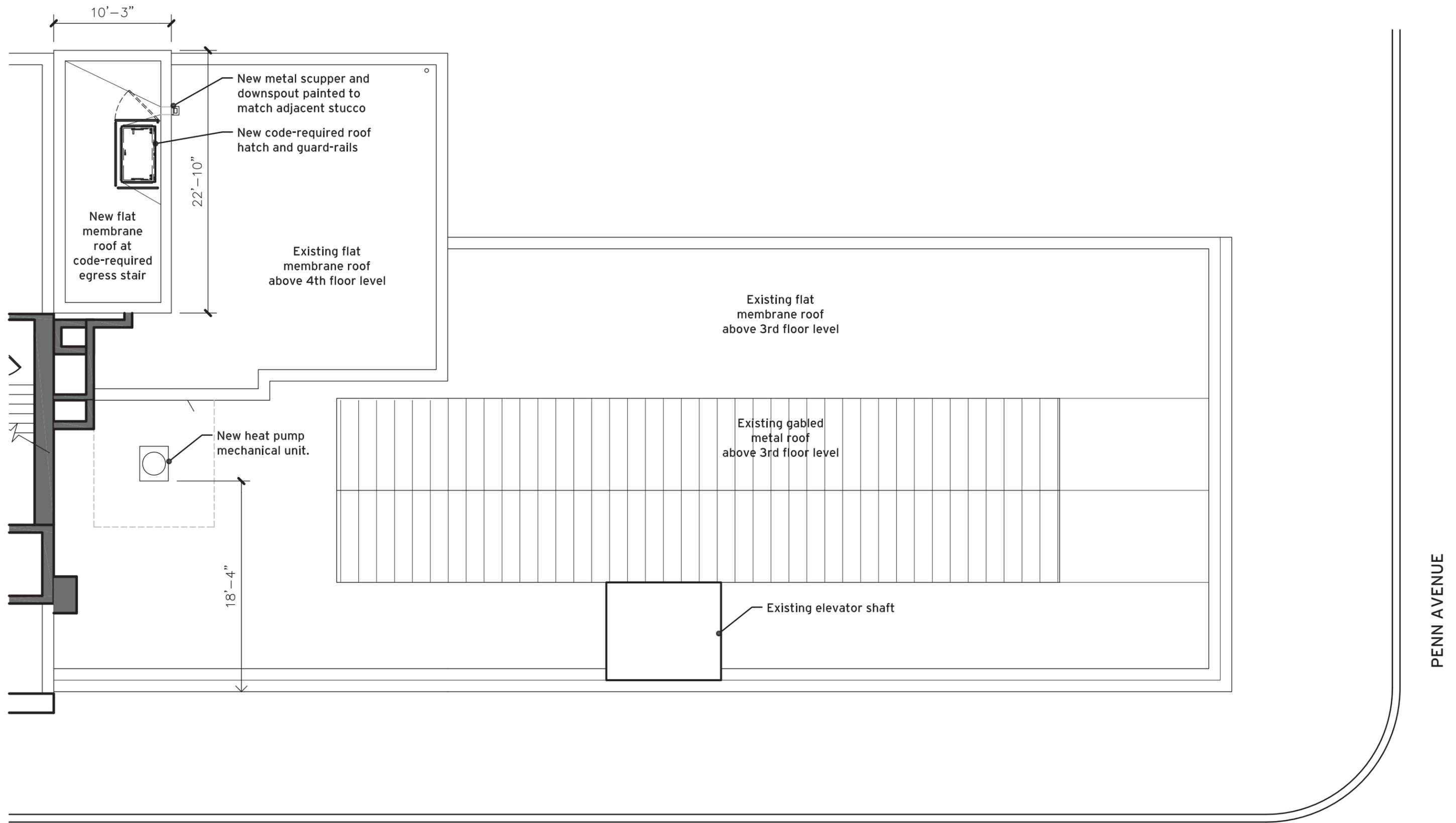
2'-8" 3'-2"

3'-8" 4'-5"

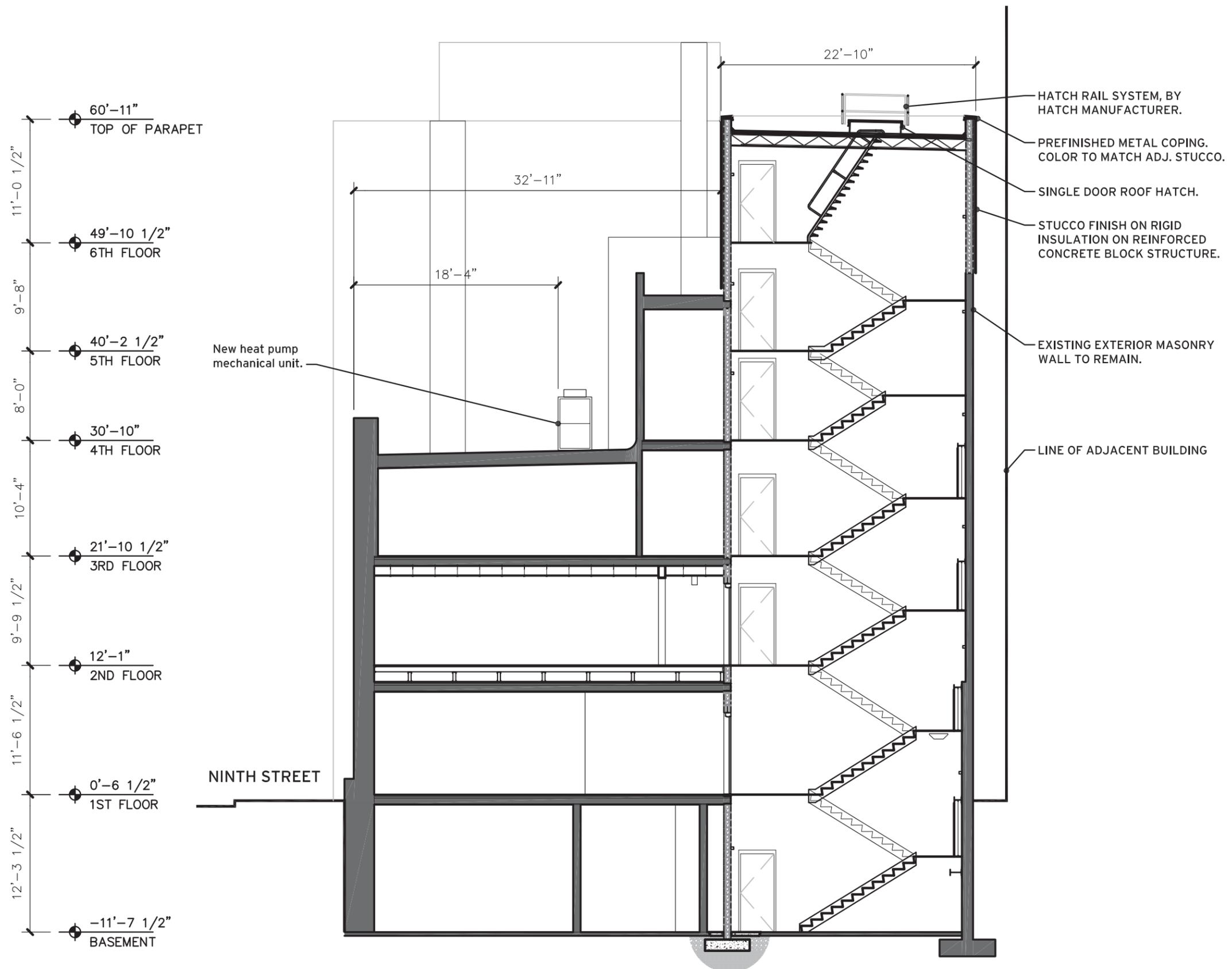
5'-5"

10'-3"

proposed 9th street elevation (beyond facade)



proposed roof / site plan



building section at proposed new stair



view from street level : proposed new stair enclosure

Proposed Renovation Work : 901 Penn Avenue

14 September 2012



**view from atop adjacent parking garage : proposed new stair enclosure**

**Proposed Renovation Work : 901 Penn Avenue**

14 September 2012

# R2-SERIES SPECIFICATIONS



Model Name		208/230V	PURY-P72TJMU-A (-BS)	PURY-P96TJMU-A (-BS)	PURY-P120TJMU-A (-BS)	PURY-P144TJMU-A (-BS)
		460V	PURY-P72YJMU-A (-BS)	PURY-P96YJMU-A (-BS)	PURY-P120YJMU-A (-BS)	PURY-P144YJMU-A (-BS)
Power source		208 / 230V, 3-Phase, 60Hz / 460V, 3-Phase, 60Hz				
Capacity (Nominal) *1	Cooling	BTU / h	72,000	96,000	120,000	144,000
		kW	5.66	7.8	9.99	12.43
		A	17.4 / 15.7 / 7.8	24.0 / 21.7 / 10.8	30.8 / 27.8 / 13.9	38.3 / 34.6 / 17.3
	Heating	BTU / h	80,000	108,000	135,000	160,000
		kW	6.16	8.66	11.02	13.20
		A	18.9 / 17.1 / 8.5	26.7 / 24.1 / 12.0	33.9 / 30.7 / 15.3	40.7 / 36.8 / 18.4
Electrical Supply	MCA	A	27 / 25 / 13	35 / 32 / 16	49 / 46 / 23	59 / 54 / 27
	MOCP	A	40 / 30 / 15	50 / 50 / 25	70 / 70 / 30	90 / 80 / 40
Fan	Type x Quantity		Propeller Fan x 1		Propeller Fan x 2	
	Air flow rate	cfm	6,180		10,600	12,010
	Motor Output	kW	0.92	0.92	0.92+0.92	
	External static pressure		Selectable; 0, 0.12 or 0.24"WG; factory set to 0"W.G.			
Compressor	Type x Quantity		INVERTER-driven Scroll Hermetic x 1			
	Operating Range		16% to 100%	17% to 100%	15% to 100%	13% to 100%
	Direct-drive INVERTER Motor output	kW	5.1	7.0	8.1	9.5
	Crankcase heater	W	35			
	Lubricant		MEL32			
Refrigerant	Type	R410A				
External finish		Pre-coated galvanized steel sheet (Plus Powder Coating for -BS type) <MUNSELL 5Y 8/1 or Similar>				
Dimensions H x W x D	Height	In.	65"			
	Width	In.	36-1/4"	48-1/16"	68-15/16"	
	Depth	In.	29-15/16"			
Net Weight	Pounds	519 / 552	585 / 618	695 / 728		
Sound pressure level (measured in anechoic room)	dB <A>	58.0	60.0	61.0		
Protection devices	High Pressure Protection		High pressure sensor, High pressure switch			
	Compressor / Fan		Over-heat protection / Thermal switch			
	Inverter		Overheat and Overcurrent Protection			
Refrigerant Pipe Dimensions	Low Pressure (Brazed)	In.	3/4"	7/8"	1-1/8"	
	High Pressure (Brazed)	In.	5/8"	3/4"		7/8"
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity			
	Model / Quantity		P06 to P96 / 1 to 18	P06 to P96 / 1 to 24	P06 to P96 / 1 to 30	P06-P96 / 1 to 36
Operating Temperature Range	Cooling	D.B.	**Outdoor: 23 to 115° F			
	Heating	W.B.	Outdoor: -4 to +60° F			

Note: Rating Conditions:

\*1 Cooling: Indoor: 80°F (27°C) DB / 67°F (19°C) WB; Outdoor: 95°F (35°C) DB.

\*2 Note for Low Ambient

Heating: Indoor: 70°F (21°C) DB; Outdoor: 47°F (8°C) DB / 43°F (6°C) WB.

-BS indicates Seacoast Protection option.

LIMITED WARRANTY | Seven-year warranty on compressor. One-year warranty on parts. See our website for details on specific additional application installation coverage.

\*\* For details on extended ambient cooling operation range down to -10 FDB see Low Ambient Cooling section.

Specifications are subject to change.

## GFL800 STATIONARY LOUVER EXTRUDED ALUMINUM

### STANDARD CONSTRUCTION

#### FRAME

4" (102) deep, 6063T5 extruded aluminum with .080" (2) nominal wall thickness. Box or integral flange frames are available. Caulking slots provided on box frame.

#### BLADES

6063T5 extruded aluminum with .063" (1.6) nominal wall thickness. J-style blades (formerly "weatherproof") are positioned at 45° angle and spaced approximately 5" (127) center to center.

#### SCREEN

3/4" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

#### FINISH

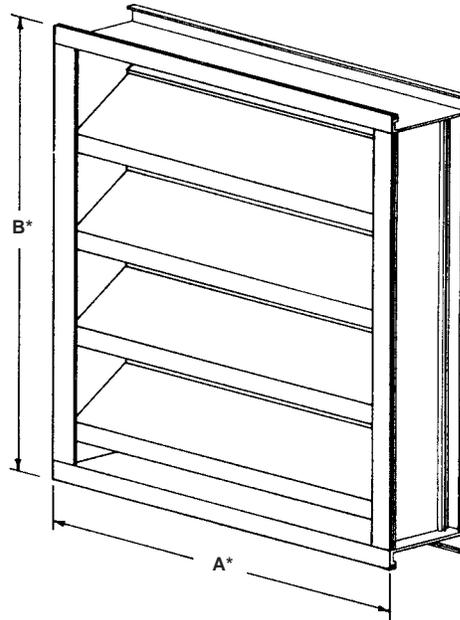
Mill.

#### MINIMUM SIZE

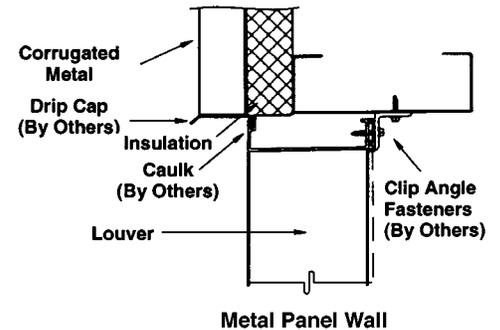
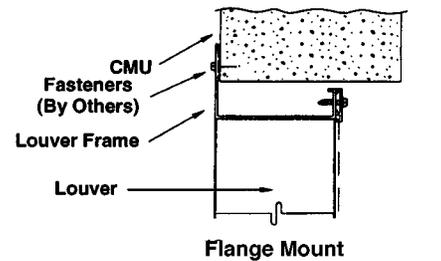
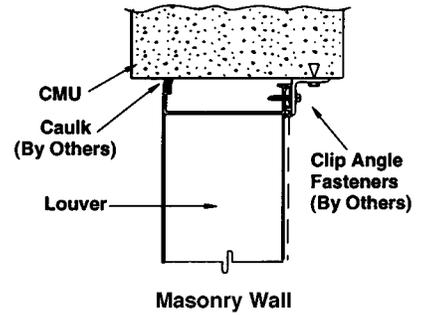
12"w x 12"h (305 x 305).

#### MAXIMUM SIZE

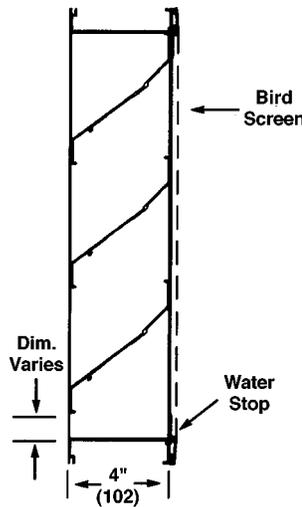
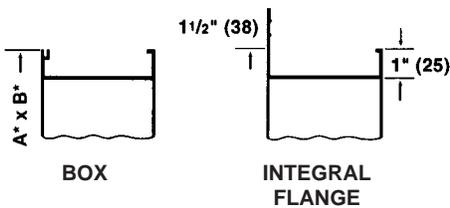
60"w x 60"h (1524 x 1524).



### SUGGESTED INSTALLATION DETAILS



### FRAME CONSTRUCTION (Specify one)



Dimensions in parenthesis ( ) indicate millimeters.

\*Units furnished 1/4" (6) smaller than given opening dimensions.

TAG	QTY.	SIZE		FRAME	VARIATIONS
		A*-WIDE	B*-HIGH		
PROJECT ARCH./ENGR. REPRESENTATIVE				LOCATION CONTRACTOR DATE	

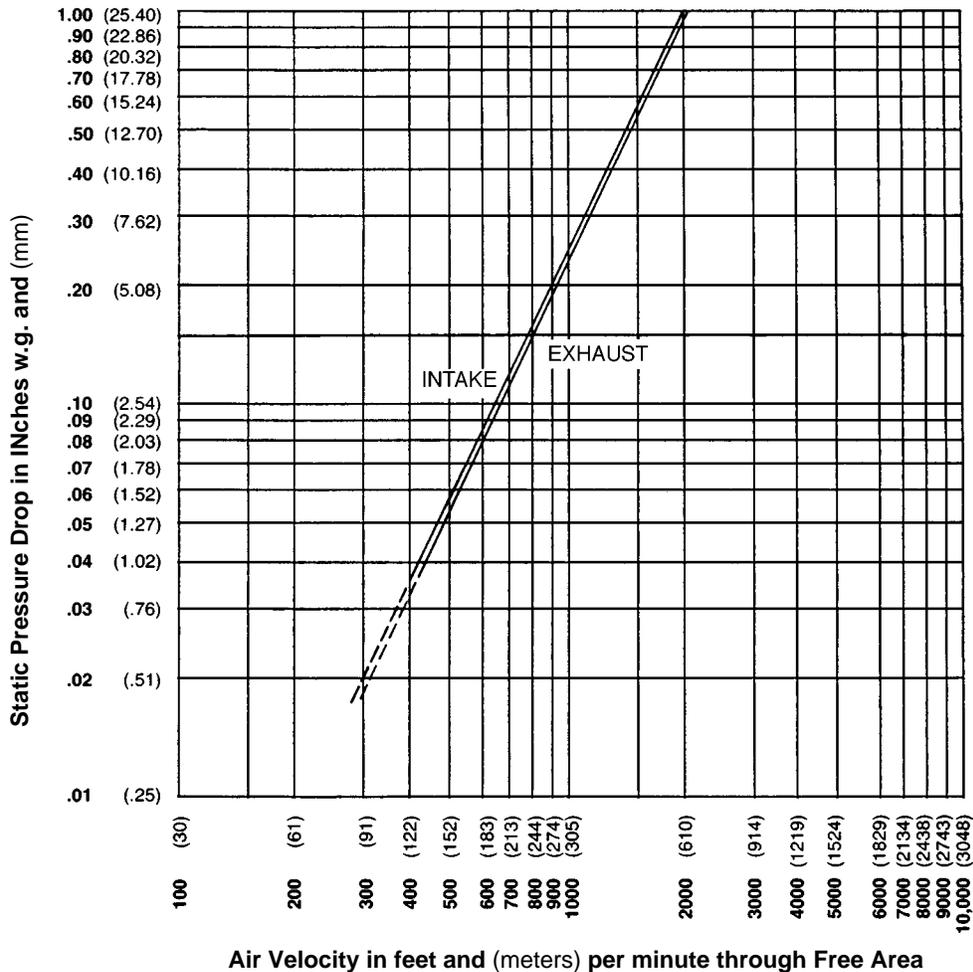
## FREE AREA GUIDE

Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes of GFL800.

Height - Inches and Meters	12	18	24	30	36	42	48	54	60
	12 0.30	.17 .02	.27 .03	.37 .03	.47 .04	.57 .05	.67 .06	.77 .07	.87 .08
18 0.46	.42 .04	.67 .06	.93 .09	1.18 .11	1.44 .13	1.69 .16	1.95 .18	2.20 .20	2.46 .23
24 0.61	.67 .06	1.08 .10	1.49 .14	1.90 .18	2.31 .21	2.72 .25	3.13 .29	3.54 .33	3.95 .37
30 0.76	.91 .08	1.47 .14	2.03 .19	2.59 .24	3.15 .29	3.71 .34	4.27 .40	4.83 .45	5.38 .50
36 0.91	1.12 .10	1.80 .17	2.49 .23	3.17 .29	3.85 .36	4.54 .42	5.22 .48	5.90 .55	6.59 .61
42 1.07	1.28 .12	2.06 .19	2.84 .26	3.62 .34	4.40 .41	5.18 .48	5.96 .55	6.74 .63	7.52 .70
48 1.22	1.53 .14	2.46 .23	3.40 .32	4.33 .40	5.27 .49	6.20 .58	7.10 .66	8.07 .75	9.00 .84
54 1.37	1.78 .17	2.87 .27	3.96 .37	5.05 .47	6.14 .57	7.23 .67	8.32 .77	9.41 .87	10.50 .98
60 1.52	2.03 .19	3.26 .30	4.50 .42	5.74 .53	6.98 .65	8.21 .76	9.45 .88	10.69 .99	11.93 1.11

Width - Inches and Meters

## PRESSURE DROP



3900 Dr. Greaves Rd.  
Kansas City, MO 64030  
(816) 761-7476  
FAX (816) 765-8955

## Finishes and Color Guide

NOTE: these colors are only a reference and should not be considered exact due to the nature of the internet and the individual settings of your monitor. Actual color cards are available from your [local representative](#).

Kynar 500® or Hylar5000® and Baked Enamel Standard Colors

The colors shown here are only a sample of thousands of colors available. Please [contact](#) RUSKIN for information regarding custom color matching.



## Pearledize 70 and Pearledize 50 Colors

We also have Pearledize 70 and Pearledize 50 pearlescent mica colors available. The metallic sheen on these colors cannot be accurately represented via the internet; please contact your [local representative](#) and ask for a color card to see examples of these finishes.

RUSKIN finishes enhance product appearance to blend with other colors selected. These same finishes provide extended weathering resistance similar to adjacent building surfaces. RUSKIN provides most finishes available to architects and engineers. The standard finishes described herein represent those finishes usually selected, specified, or required for most applications.

### TYPE OF FINISH

#### KYNAR 500® OR HYLAR 5000®

RUSKIN Superior Finish: 70% PVDF paint finishes

provide maximum resistance against color fade and chalking. This carbon/fluorine bond, unique to the resin, when coupled with the finest inorganic pigments, produces the most durable and long lasting finish in the industry. These finishes are resistant to most chemicals, acid rain, salt spray and general air pollution. RUSKIN offers a twenty-year warranty on these finishes in standard colors. All standard colors meet or exceed AAMA2605-02.\*

### FINISH SPECIFICATIONS

Before paint application, louvers shall be thoroughly cleaned and pretreated. Cleaning includes complete

submersion in alkali cleaner, detergent deoxidization, amorphous chrome phosphate conversion coating and acidulated final rinse. Kynar 500® or Hylar 5000® finish shall be applied to provide 1.2 mils (30µm) factory applied, baked-on film build in accordance with AAMA 2605-02\* "Voluntary Specification Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Architectural Extrusions and Panels". Color shall be RUSKIN (specify color name