



**5TH FLOOR
BALCONY**



5TH FLOOR
BALCONY



5TH FLOOR
BALCONY



**5TH FLOOR
BALCONY**



**5TH FLOOR
BALCONY**



**NORTHWEST
HEAD HOUSE TO
REMAIN**



**SOUTHWEST
HEADHOUSE**



**NORTHEAST
HEADHOUSE**



**NORTHWEST
HEADHOUSE**



HVAC
EQUIPMENT @
REAR OF ROOF



**SOUTHEAST
CHIMNEYS**



WESTERN
LIGHTWELL



EASTERN
COURTYARD



**SOUTHWEST
HEADHOUSE**



HVAC
EQUIPMENT @
REAR OF ROOF



CHIMNEY @
REAR ROOF



**SOUTHWEST
HEADHOUSE**



**NORTHEAST
HEADHOUSE**



CHIMNEY @
NORTHEAST
SIDE OF
BUILDING

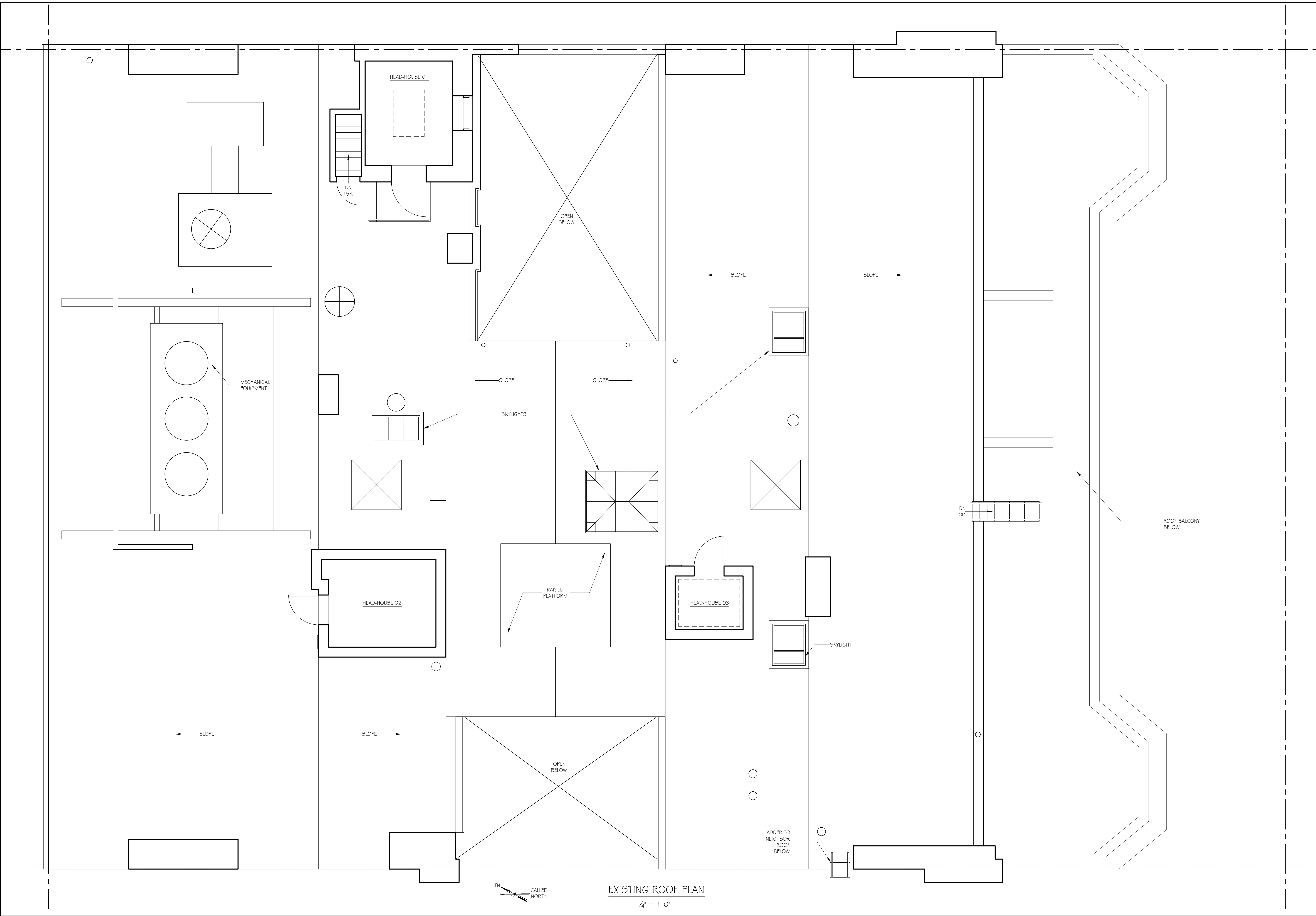


**NORTHEAST
HEADHOUSE**

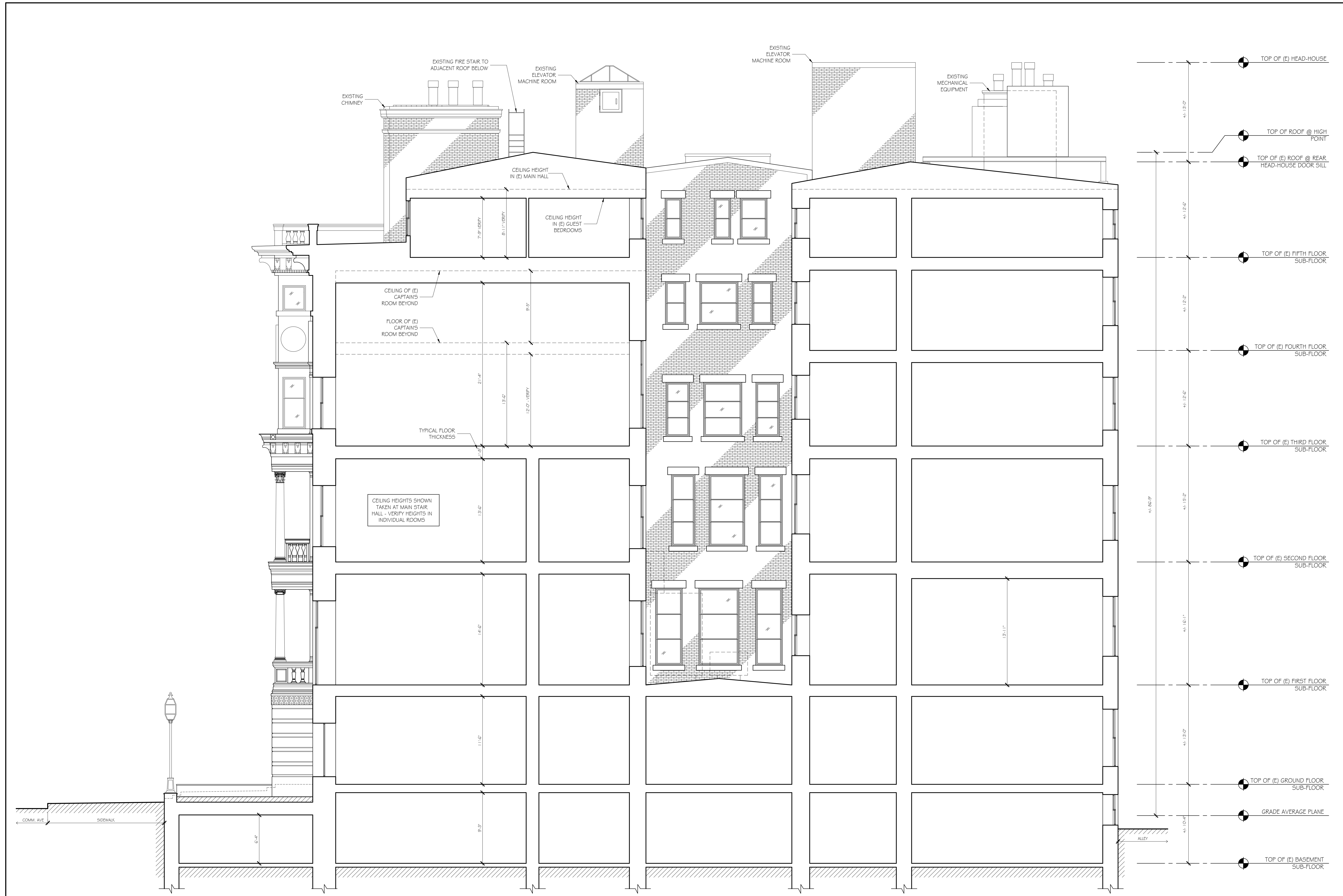


TRANE

HVAC
EQUIPMENT



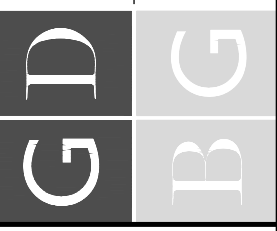
46 William Street, Suite 3A Boston, MA 02118 Phone 617-956-9992 Fax 917-956-9993	
G D GRASSI DESIGN GROUP B G BEAUCHEMIN GRASSI INTERIORS	
JOB NO: 1724 SCALE: 1/4" = 1' DATE: 02/22/18	REVISIONS _____ _____ _____
THE ALGONQUIN CLUB 217 COMMONWEALTH AVENUE, BOSTON, MA 02116	
EXISTING ROOF PLAN	
EC8	



EXISTING BUILDING SECTION
 $\frac{3}{8}'' = 1'-0''$

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SCALE:	$\frac{3}{8}'' = 1'$
DATE:	02/22/18
REVISED:	

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EXISTING BUILDING SECTION

EC9



EXISTING SOUTH BUILDING ELEVATION
 $\frac{3}{8}'' = 1'-0''$

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JOB NO.: 1724
 SCALE: $\frac{3}{8}'' = 1'$
 DATE: 02/22/18

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EXISTING SOUTH
 BUILDING ELEVATION

EC10



EXISTING NORTH BUILDING ELEVATION
 $\frac{3}{8}'' = 1'-0''$

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SCALE:	$\frac{3}{8}'' = 1'$
DATE:	02/22/18
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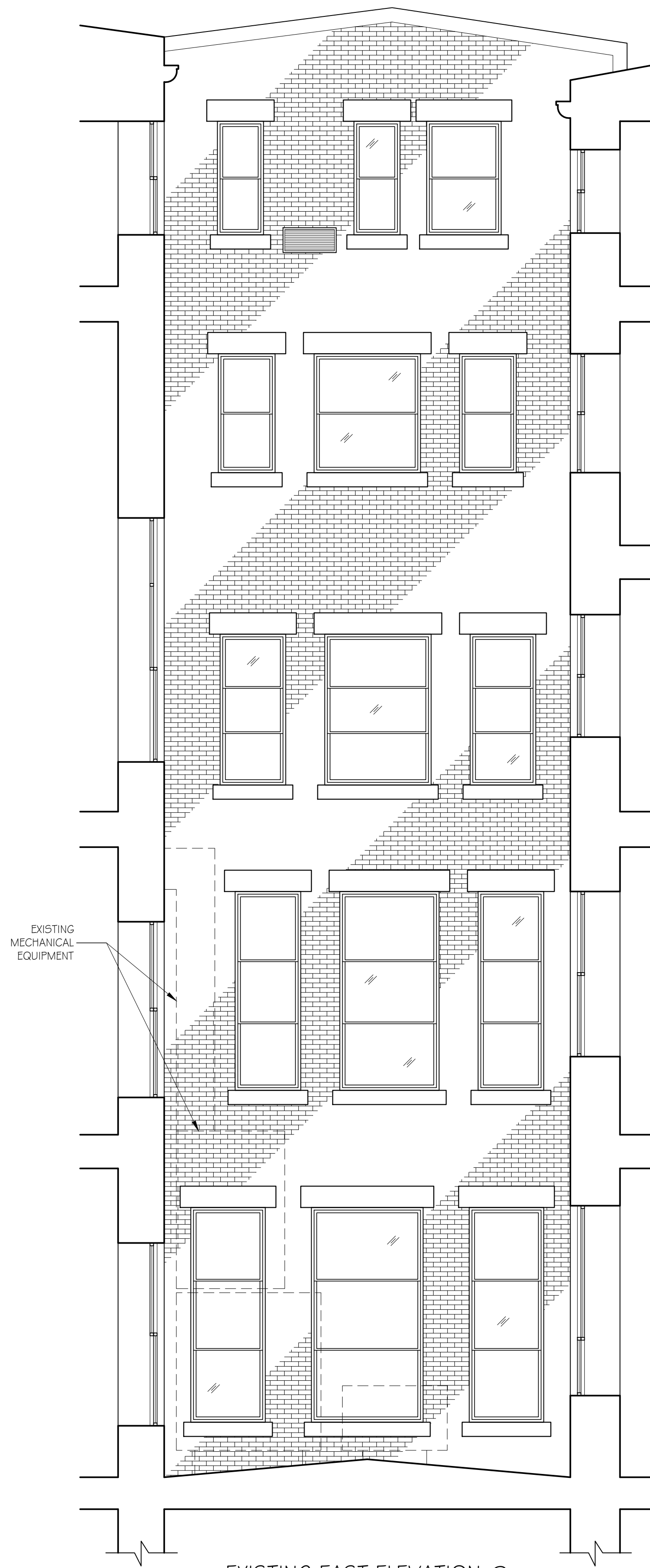
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**EXISTING NORTH
 BUILDING ELEVATION**

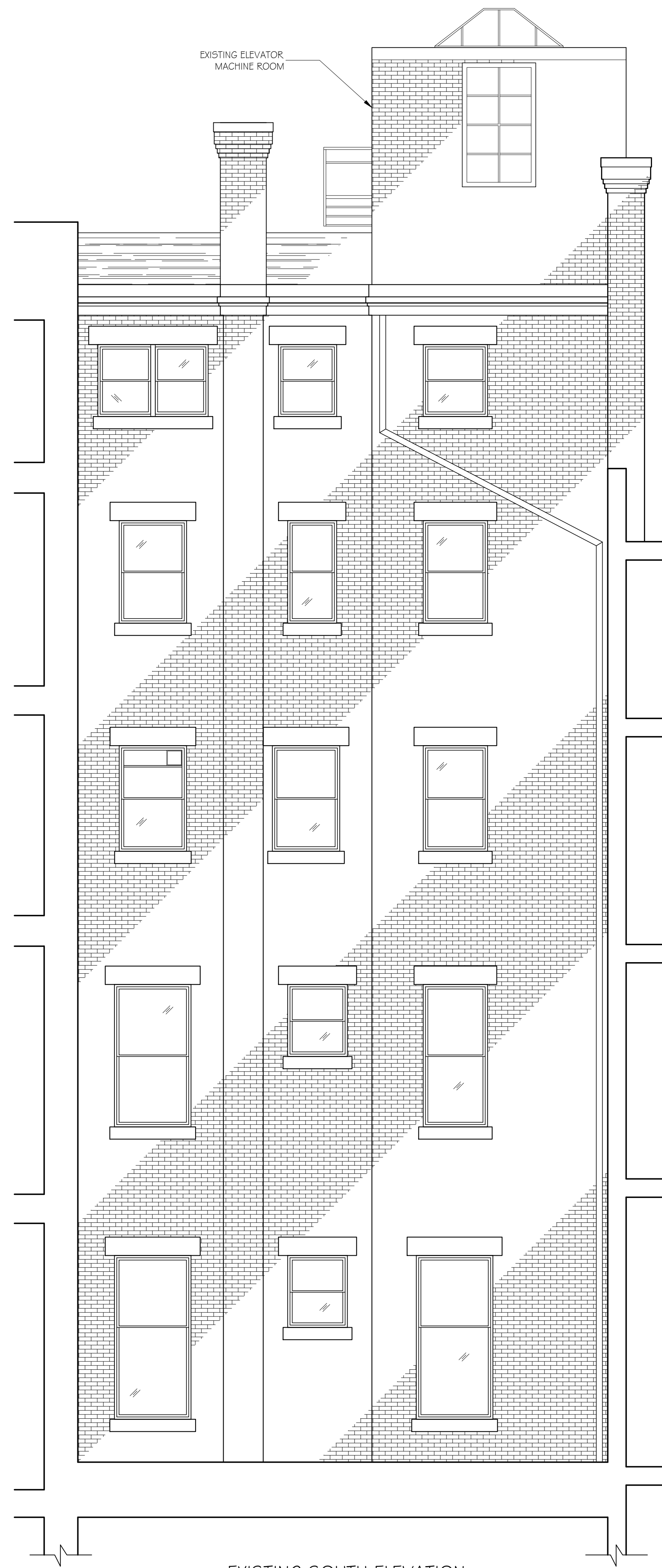
EC11



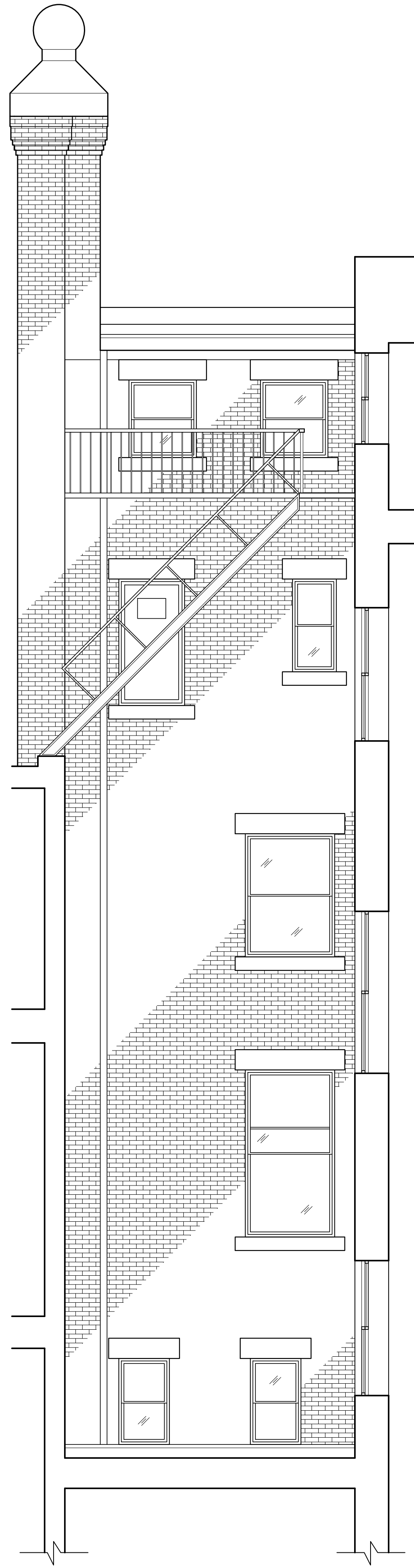
EXISTING WEST ELEVATION @
EASTERN COURTYARD
1/4" = 1'-0"



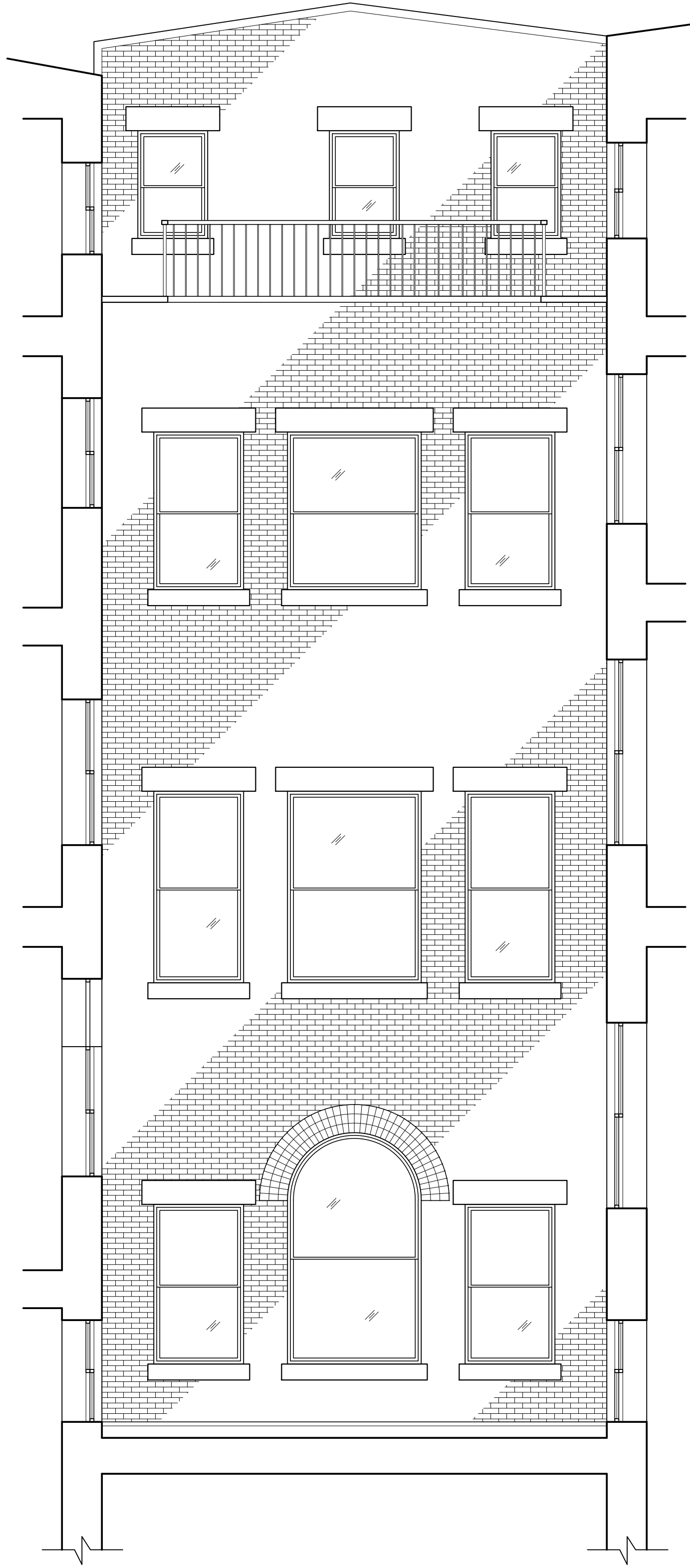
EXISTING EAST ELEVATION @
EASTERN COURTYARD
1/4" = 1'-0"



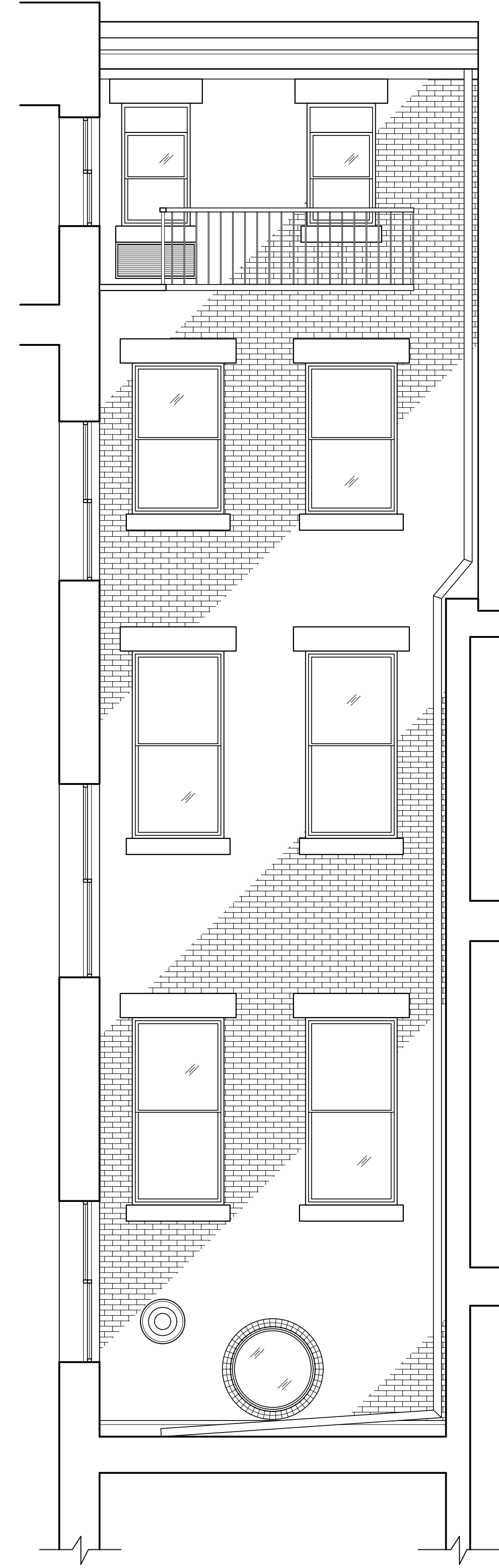
EXISTING SOUTH ELEVATION
@ EASTERN COURTYARD
1/4" = 1'-0"



EXISTING NORTH ELEVATION
@ WESTERN COURTYARD
1/4" = 1'-0"



EXISTING WEST ELEVATION @
WESTERN COURTYARD
1/4" = 1'-0"



EXISTING SOUTH ELEVATION
@ WESTERN COURTYARD
1/4" = 1'-0"

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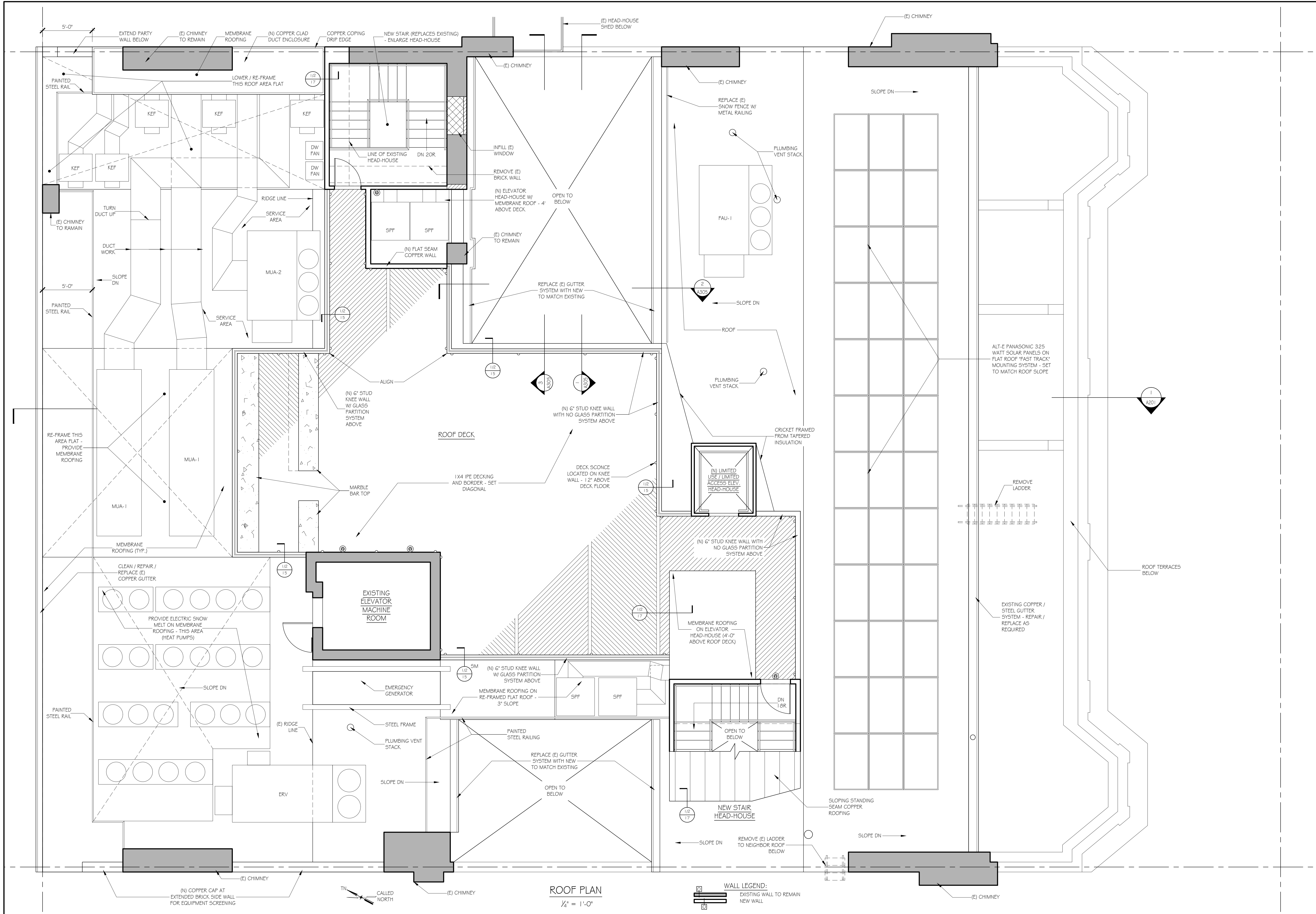
JOB NO.: 1724
SCALE: 1/4" = 1'-0"
DATE: 02/22/18

REVISED

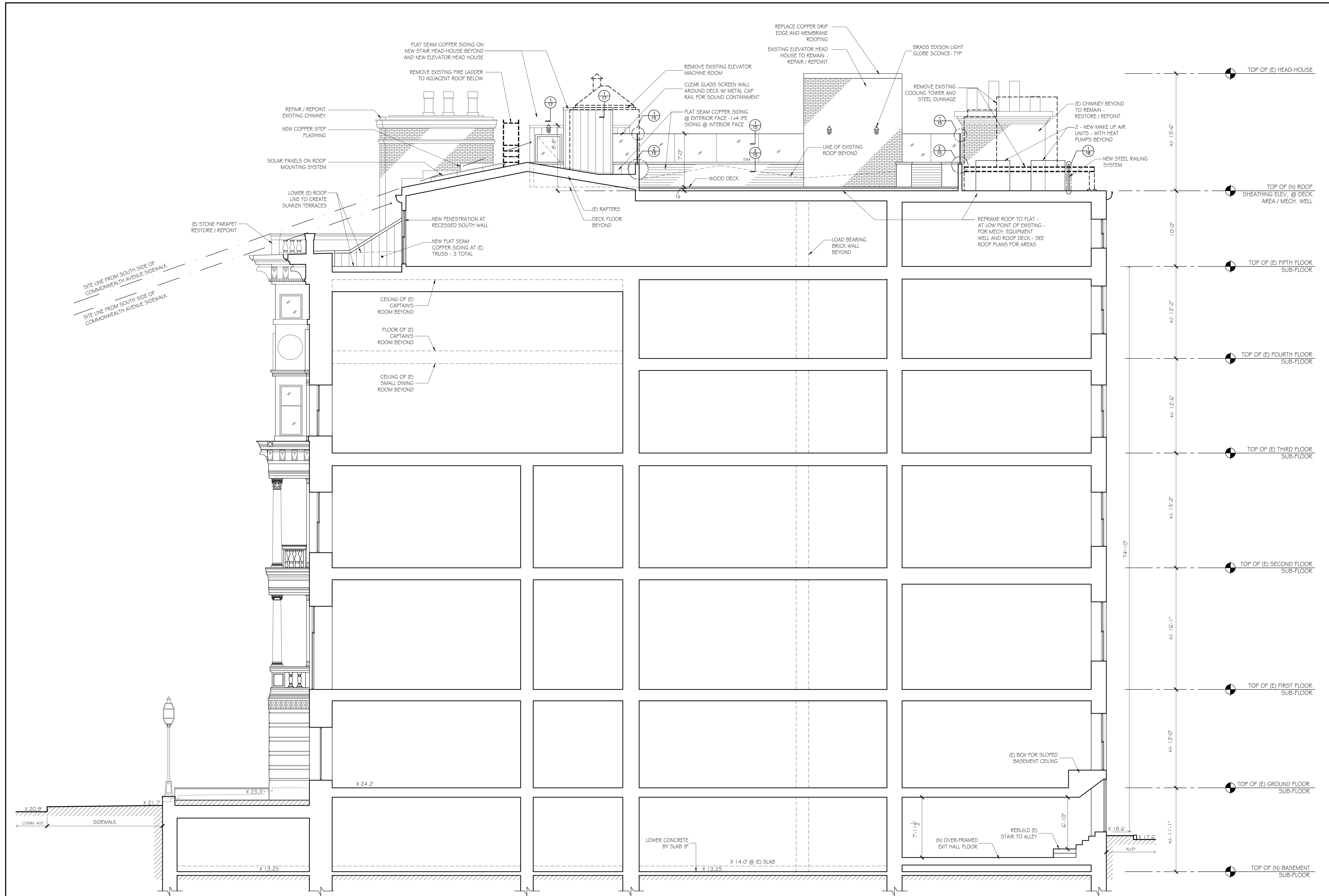
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EXISTING ELEVATIONS @
WESTERN COURTYARD

EC13



ROOF PLAN
 1/4" = 1'-0"
 WALL LEGEND:
 [Symbol] EXISTING WALL TO REMAIN
 [Symbol] NEW WALL



1 BUILDING SECTION
SCALE: 3/16" = 1'-0"

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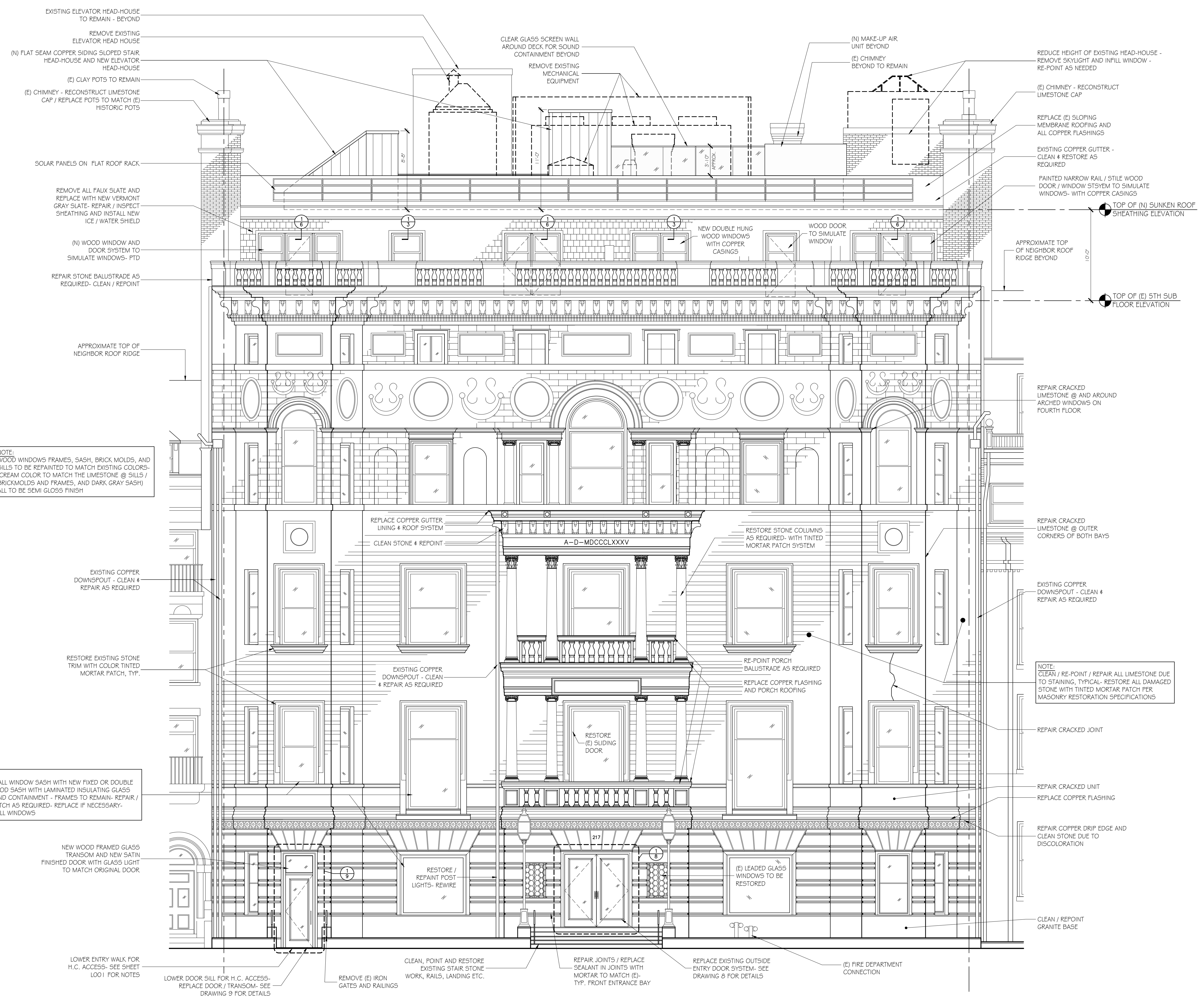
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JOB NO. 1724	SCALE: 3/16" = 1'	DATE: 09.17.18	REVISED
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BUILDING SECTION

A201



SOUTH BUILDING ELEVATION
 $\frac{3}{8}'' = 1'-0''$

JOB NO.:	1724
SCALE:	$\frac{3}{8}'' = 1'$
DATE:	09.17.18
REVISED:	

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SOUTH BUILDING ELEVATION



REDUCE HEIGHT OF (E) ELEVATOR MACHINE ROOM AND CONVERT TO STAIR HEAD-HOUSE W/ NEW COPPER DRIP EDGE
 REMOVE (E) STAIR BULKHEAD
 (N) FLAT SEAM COPPER SIDING
 (E) CHIMNEY TO REMAIN- REPAIR / REPOINT
 REMOVE (E) MECHANICAL EQUIPMENT
 (N) DUCT ENCLOSURE FLAT SEAM COPPER SIDING

RE-POINT (E) BRICK CORNICE
 APPROXIMATE TOP OF NEIGHBOR ROOF RIDGE

RESTORE EXISTING STONE TRIM WITH COLOR TINTED MORTAR PATCH, TYP. CLEAN / POINT
 REPLACE AND RE-DIRECT (E) LEADERS TO RECHARGE SYSTEM AT FRONT OF BUILDING

REPLACE ALL WINDOW SASH, FRAMES, SILLS, AND BRICK MOLDS WITH NEW FIXED OR DOUBLE HUNG WOOD WINDOWS WITH LAMINATED INSULATING GLASS FOR SOUND CONTAINMENT - TYPICAL, ALL EXISTING WINDOWS @ REAR FACADE- ALL PAINTED SEMI GLOSS BLACK

REMOVE HVAC EQUIPMENT IN WINDOWS

REPLACE (E) DOOR AND FRAME WITH NEW PANEL DOOR- SEE DRAWING 10

WIDEN (E) WINDOW AND CONVERT TO DUMBWAITER ACCESS DOOR- SEE DRAWING 10
 CONVERT (E) WINDOW TO ALUM. LOUVERED GRILL W/ 4" BLADES W/ BRICK MOLD TO MATCH WINDOWS - PAINTED TO MATCH WINDOWS - WITH INSIDE 1/2" SQ. STEEL BAR SECURITY GRILL OVER BLACK PTD COVER

(E) CHIMNEY - 100% RE-POINT
 CLEAR GLASS SCREEN WALL AROUND DECK FOR SOUND CONTAINMENT- SEE DRAWING 15
 REMOVE (E) COOLING TOWER AND STEEL DUNNAGE
 MAKE UP AIR UNIT BEYOND
 JOG IN RAILING SYSTEM
 MAKE UP AIR UNIT IN LOWERED ROOF WELL
 (N) COPPER CLAD ELEVATOR HEAD-HOUSE BEYOND

(E) ELEVATOR HEAD HOUSE TO REMAIN- REPOINT / REPLACE DRIP EDGE AND ROOFING
 (N) METAL RAILING SYSTEM BEYOND- PAINTED
 (N) GENERATOR BEYOND
 HEAT PUMPS
 (N) FLAT SEAM CLAD HEAD-HOUSE BEYOND

NEW MAKE UP AIR UNIT BEYOND
 REMOVE (E) VENT ON CHIMNEY
 (E) CHIMNEY - REMOVE VENTILATORS- RECONSTRUCT BRICK EXTENSIONS
 BRICK SIDE WALL EXTENSION
 NEW COPPER FLASHING
 SLOPING MEMBRANE ROOFING
 REPLACE EXISTING COPPER GUTTER AND DRIP EDGE & FLASHING- NEW TO MATCH (E) SIZE / PROFILE

APPROXIMATE TOP OF NEIGHBOR ROOF RIDGE
 REPAIR CRACKED JOINTS AND BRICK - TYP. - REPLACE BROKEN BRICKS @ VENEER COURSE

REPLACE AND RE-DIRECT (E) LEADERS TO RECHARGE SYSTEM AT FRONT OF BUILDING

REMOVE HVAC EQUIPMENT IN WINDOWS

(E) TELEPHONE WIRES - NOT ATTACHED TO BUILDING

REMOVE (E) PLYWOOD COVER AND INSERT (N) WINDOW TO MATCH

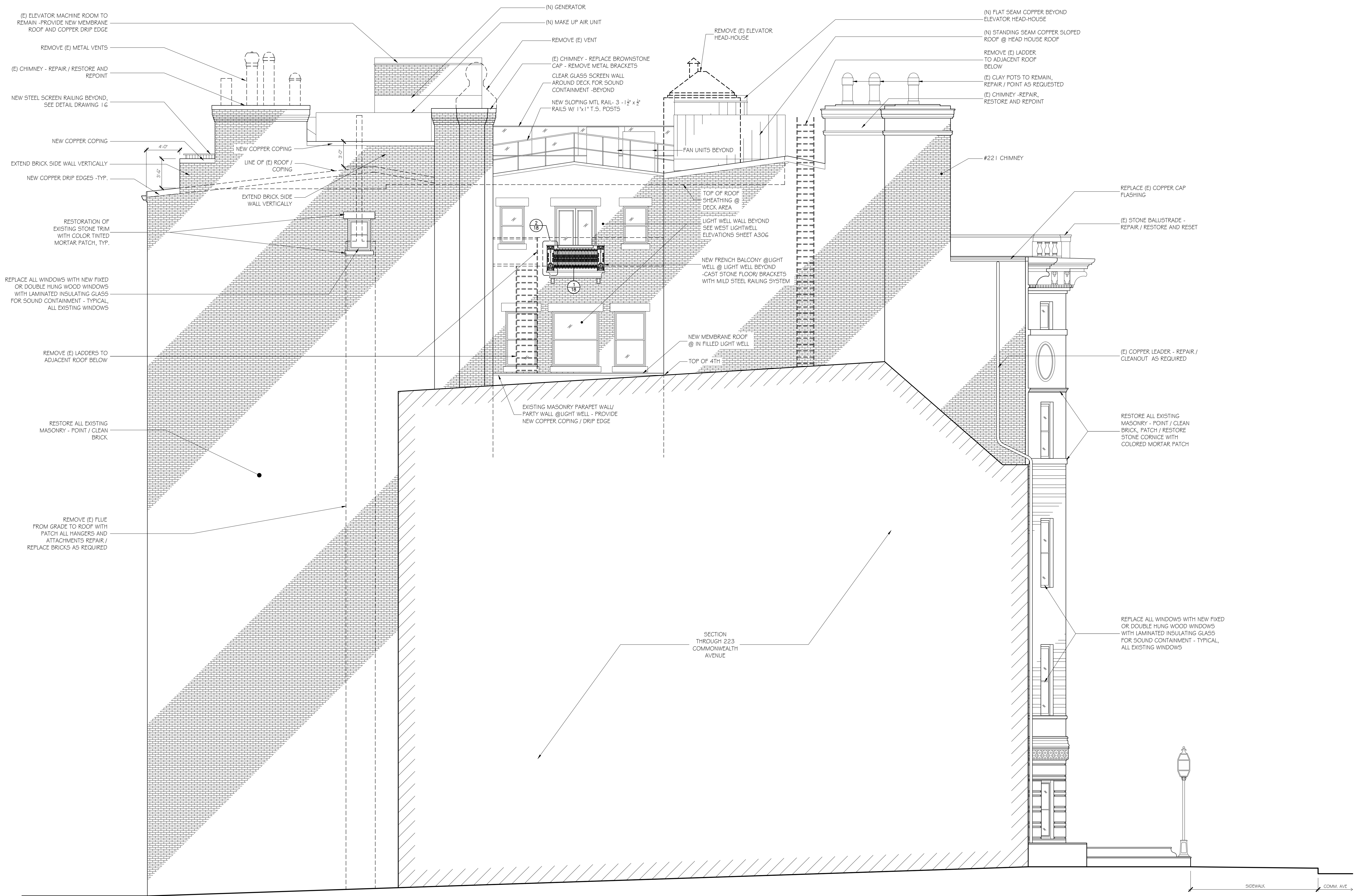
REMOVE ALL (E) WINDOW GRATES

NORTH BUILDING ELEVATION
 3/8" = 1'-0"

JOB NO.:	1724
SCALE:	3/8" = 1'
DATE:	09.17.18
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NORTH BUILDING ELEVATION



(E) ELEVATOR MACHINE ROOM TO REMAIN - PROVIDE NEW MEMBRANE ROOF AND COPPER DRIP EDGE

REMOVE (E) METAL VENTS

(E) CHIMNEY - REPAIR / RESTORE AND REPOINT

NEW STEEL SCREEN RAILING BEYOND, SEE DETAIL DRAWING 1 G

NEW COPPER COPING

EXTEND BRICK SIDE WALL VERTICALLY

NEW COPPER DRIP EDGES - TYP.

RESTORATION OF EXISTING STONE TRIM WITH COLOR TINTED MORTAR PATCH, TYP.

REPLACE ALL WINDOWS WITH NEW FIXED OR DOUBLE HUNG WOOD WINDOWS WITH LAMINATED INSULATING GLASS FOR SOUND CONTAINMENT - TYPICAL, ALL EXISTING WINDOWS

REMOVE (E) LADDERS TO ADJACENT ROOF BELOW

RESTORE ALL EXISTING MASONRY - POINT / CLEAN BRICK

REMOVE (E) FLUE FROM GRADE TO ROOF WITH PATCH ALL HANGERS AND ATTACHMENTS REPAIR / REPLACE BRICKS AS REQUIRED

(N) GENERATOR

(N) MAKE UP AIR UNIT

REMOVE (E) VENT

(E) CHIMNEY - REPLACE BROWNSTONE CAP - REMOVE METAL BRACKETS

CLEAR GLASS SCREEN WALL AROUND DECK FOR SOUND CONTAINMENT - BEYOND

NEW SLOPING MTL RAIL - 3 - 1 1/2" x 3/4" RAILS W/ 1 X 1" T.S. POSTS

REMOVE (E) ELEVATOR HEAD-HOUSE

(E) CHIMNEY - REPAIR, RESTORE AND REPOINT

FAN UNITS BEYOND

NEW COPPER COPING

LINE OF (E) ROOF / COPING

EXTEND BRICK SIDE WALL VERTICALLY

TOP OF ROOF SHEATHING @ DECK AREA

LIGHT WELL WALL BEYOND SEE WEST LIGHTWELL ELEVATIONS SHEET A30G

NEW FRENCH BALCONY @ LIGHT WELL @ LIGHT WELL BEYOND - CAST STONE FLOOR/ BRACKETS WITH MILD STEEL RAILING SYSTEM

NEW MEMBRANE ROOF @ IN FILLED LIGHT WELL

TOP OF 4TH

EXISTING MASONRY PARAPET WALL / PARTY WALL @ LIGHT WELL - PROVIDE NEW COPPER COPING / DRIP EDGE

(N) FLAT SEAM COPPER BEYOND ELEVATOR HEAD-HOUSE

(N) STANDING SEAM COPPER SLOPED ROOF @ HEAD HOUSE ROOF

REMOVE (E) LADDER TO ADJACENT ROOF BELOW

(E) CLAY POTS TO REMAIN, REPAIR / POINT AS REQUESTED

(E) CHIMNEY - REPAIR, RESTORE AND REPOINT

#221 CHIMNEY

REPLACE (E) COPPER CAP FLASHING

(E) STONE BALUSTRADE - REPAIR / RESTORE AND RESET

(E) COPPER LEADER - REPAIR / CLEANOUT AS REQUIRED

RESTORE ALL EXISTING MASONRY - POINT / CLEAN BRICK, PATCH / RESTORE STONE CORNICE WITH COLORED MORTAR PATCH

REPLACE ALL WINDOWS WITH NEW FIXED OR DOUBLE HUNG WOOD WINDOWS WITH LAMINATED INSULATING GLASS FOR SOUND CONTAINMENT - TYPICAL, ALL EXISTING WINDOWS

SECTION THROUGH 223 COMMONWEALTH AVENUE

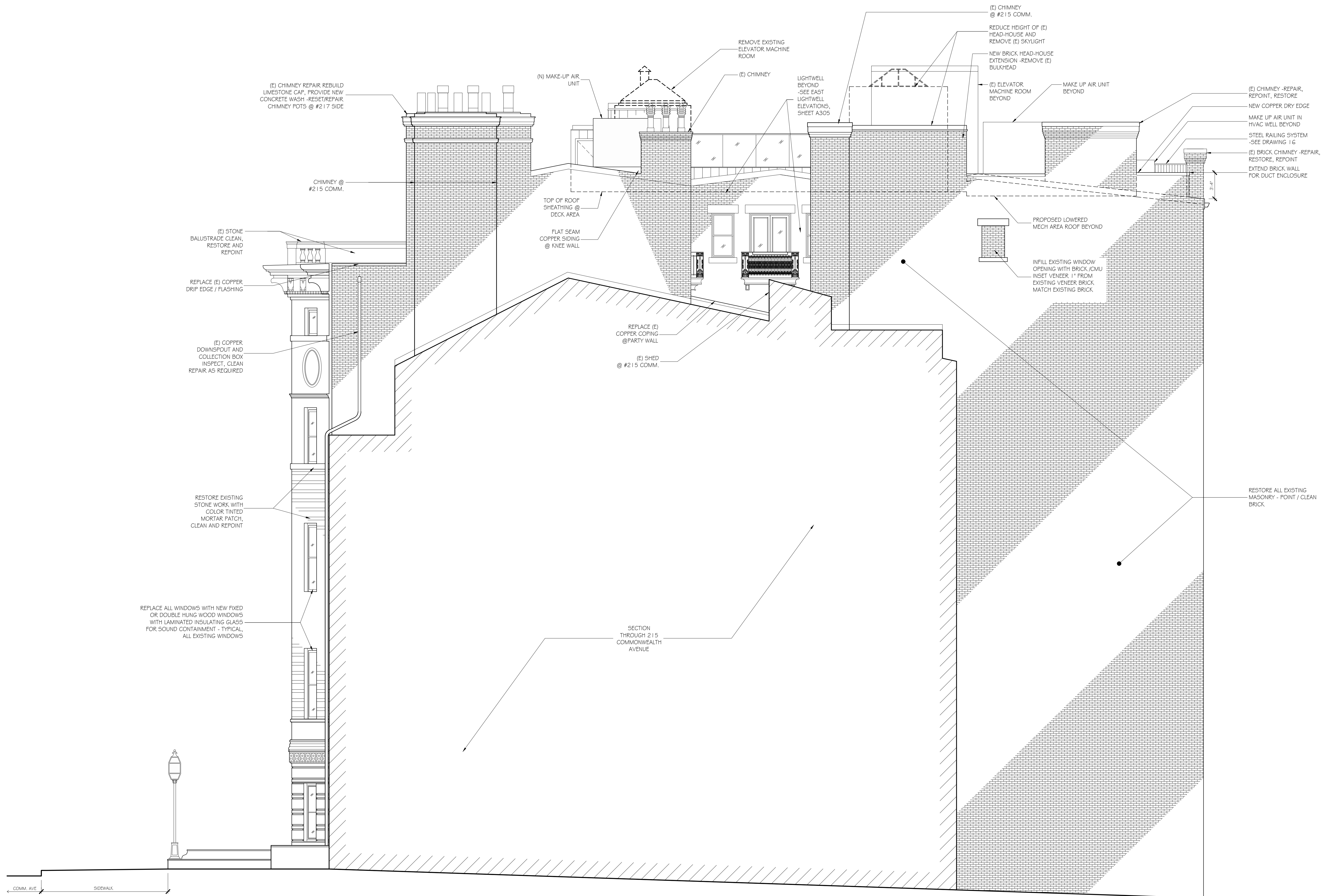
WEST BUILDING ELEVATION
3/8" = 1'-0"

JOB NO.:	1724
SCALE:	3/8" = 1'
DATE:	09.17.18
REVISIONS:	
	REVISED

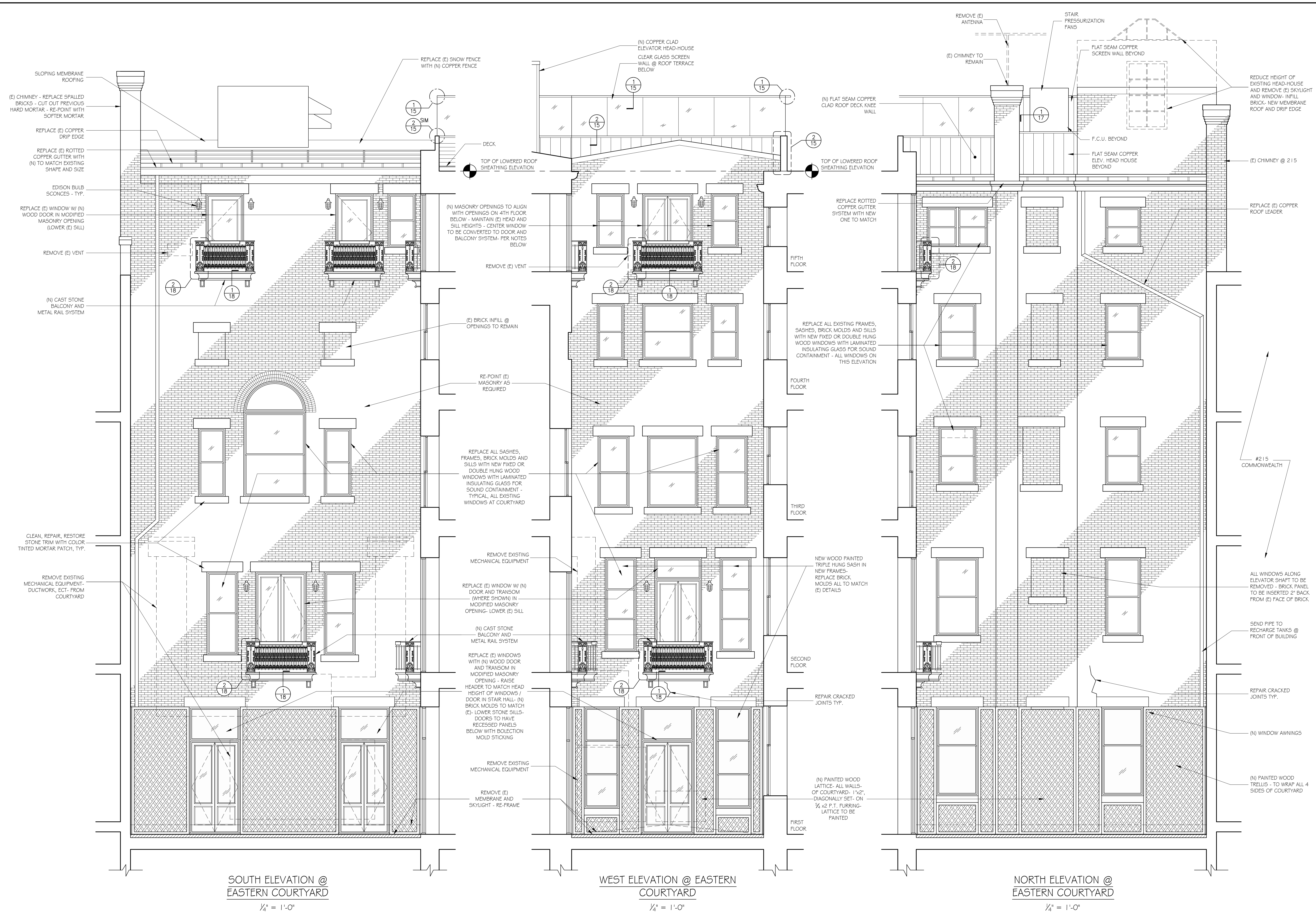
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WEST BUILDING ELEVATION

A303



EAST BUILDING ELEVATION
 $\frac{3}{8}'' = 1'-0''$



SOUTH ELEVATION @ EASTERN COURTYARD
1/4" = 1'-0"

WEST ELEVATION @ EASTERN COURTYARD
1/4" = 1'-0"

NORTH ELEVATION @ EASTERN COURTYARD
1/4" = 1'-0"

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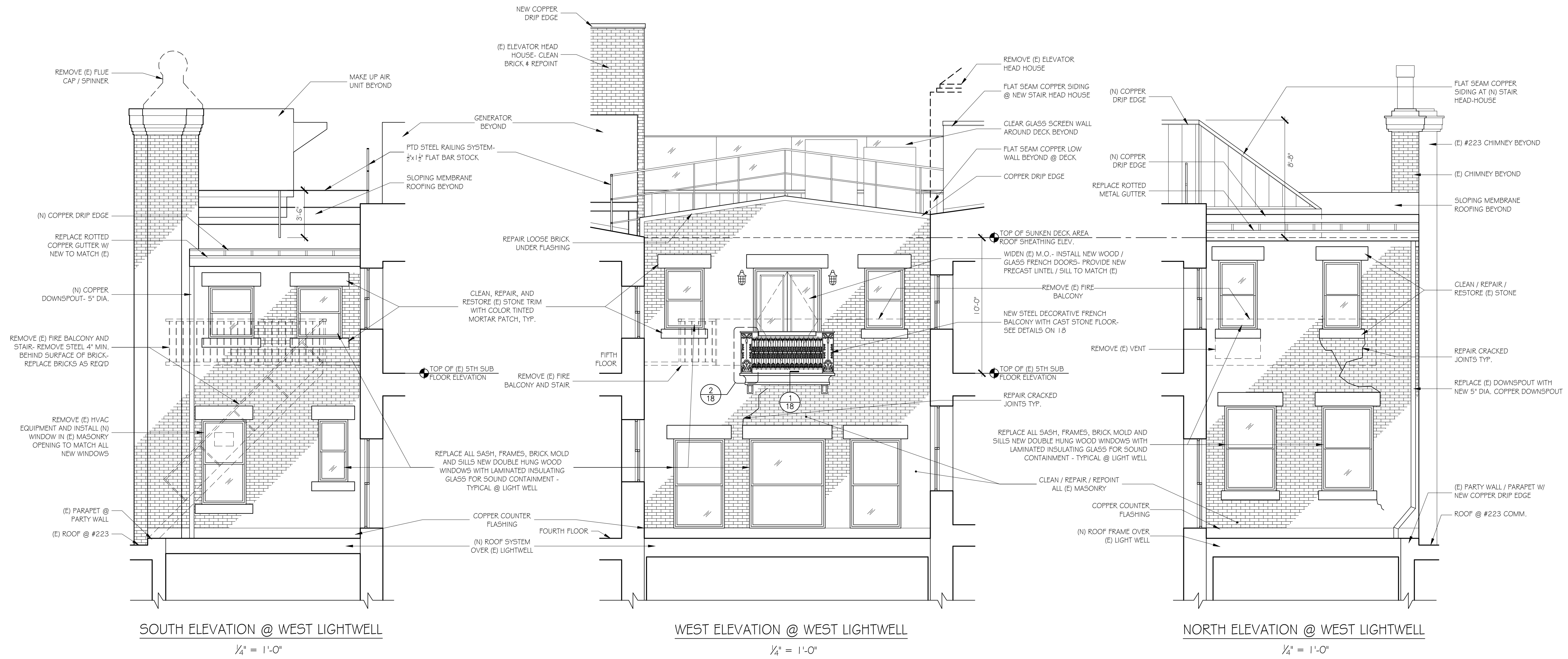
GD GRASSI DESIGN GROUP
BG BEAUCHEMIN GRASSI INTERIORS

JOB NO. 1724	SCALE: 1/4" = 1'	DATE: 09.17.18	REVISED
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ELEVATIONS @ EASTERN COURTYARD

A305



JOB NO. 1724	SCALE: 1/4" = 1'-0"	DATE: 09.17.18	REVISED
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THE ALGONQUIN CLUB
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ELEVATIONS @ WEST LIGHTWELL



LINE OF
EXTENDED AND
LOWERED HEAD
HOUSE

LINE OF
EXTENDED
PARTY WALL

LINE OF
EXTENDED
PARTY WALL

LINE OF MECHANICAL
EQUIPMENT BEHIND
PARTY WALL

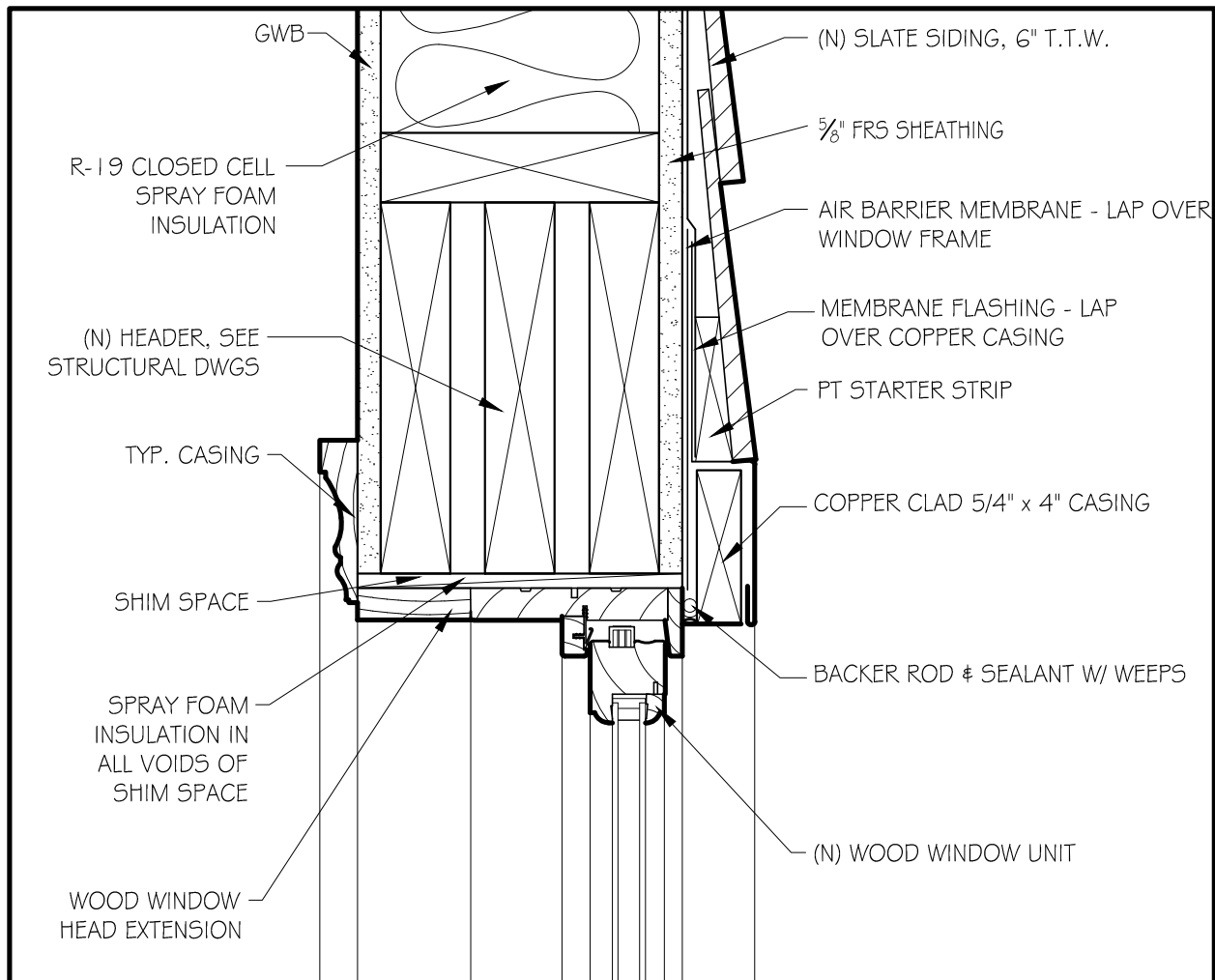


LINE OF STAIR HEAD-HOUSE



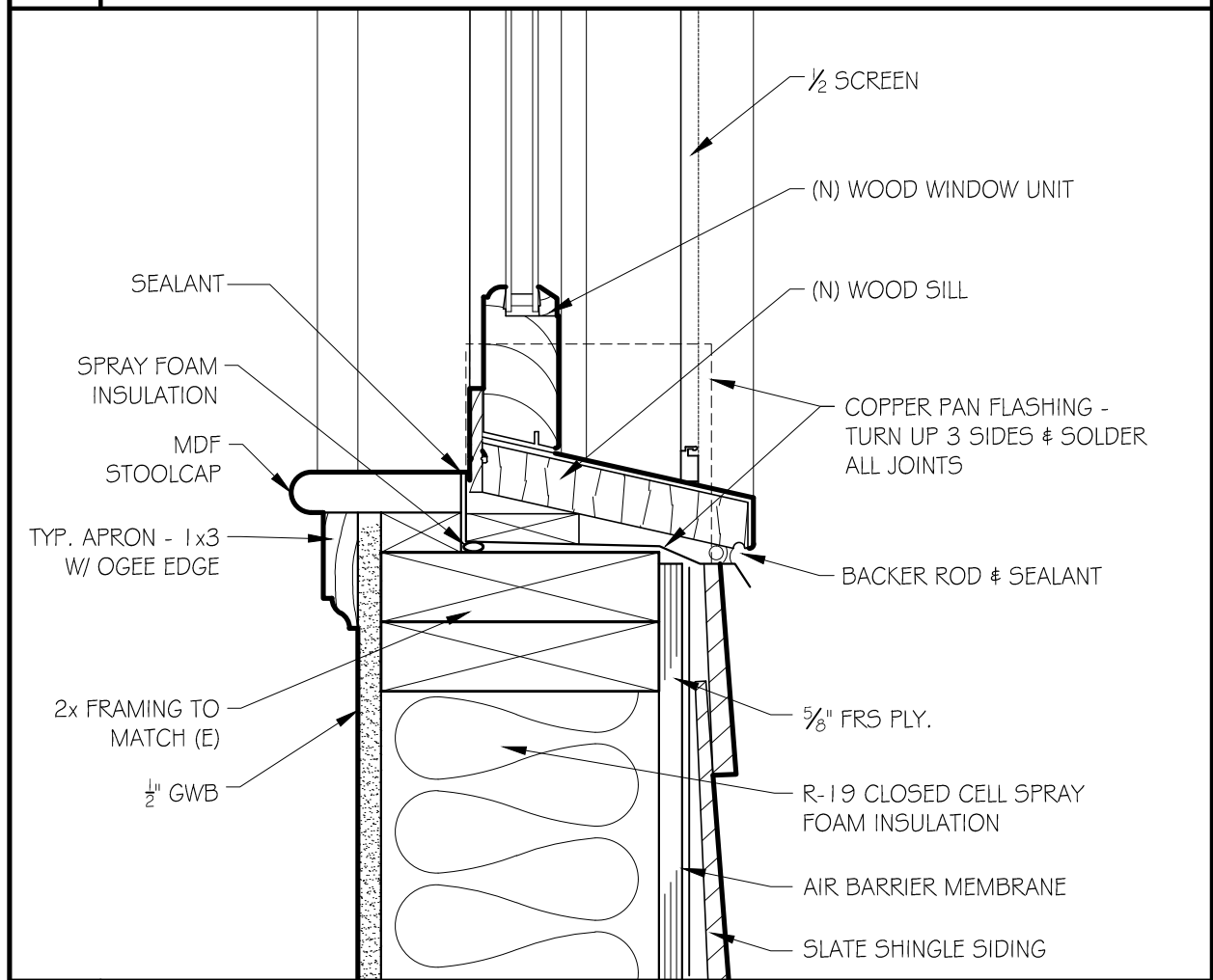
LINE OF MECHANICAL EQUIPMENT





1 WINDOW HEAD DETAIL

3" = 1'-0"



2 WINDOW SILL DETAIL

3" = 1'-0"

JOB NO: 1724

SCALE:
3" = 1'-0"

DATE: 08.10.18

WINDOW DETAILS @ 5TH FLOOR SOUTH WALL (TERRACE)

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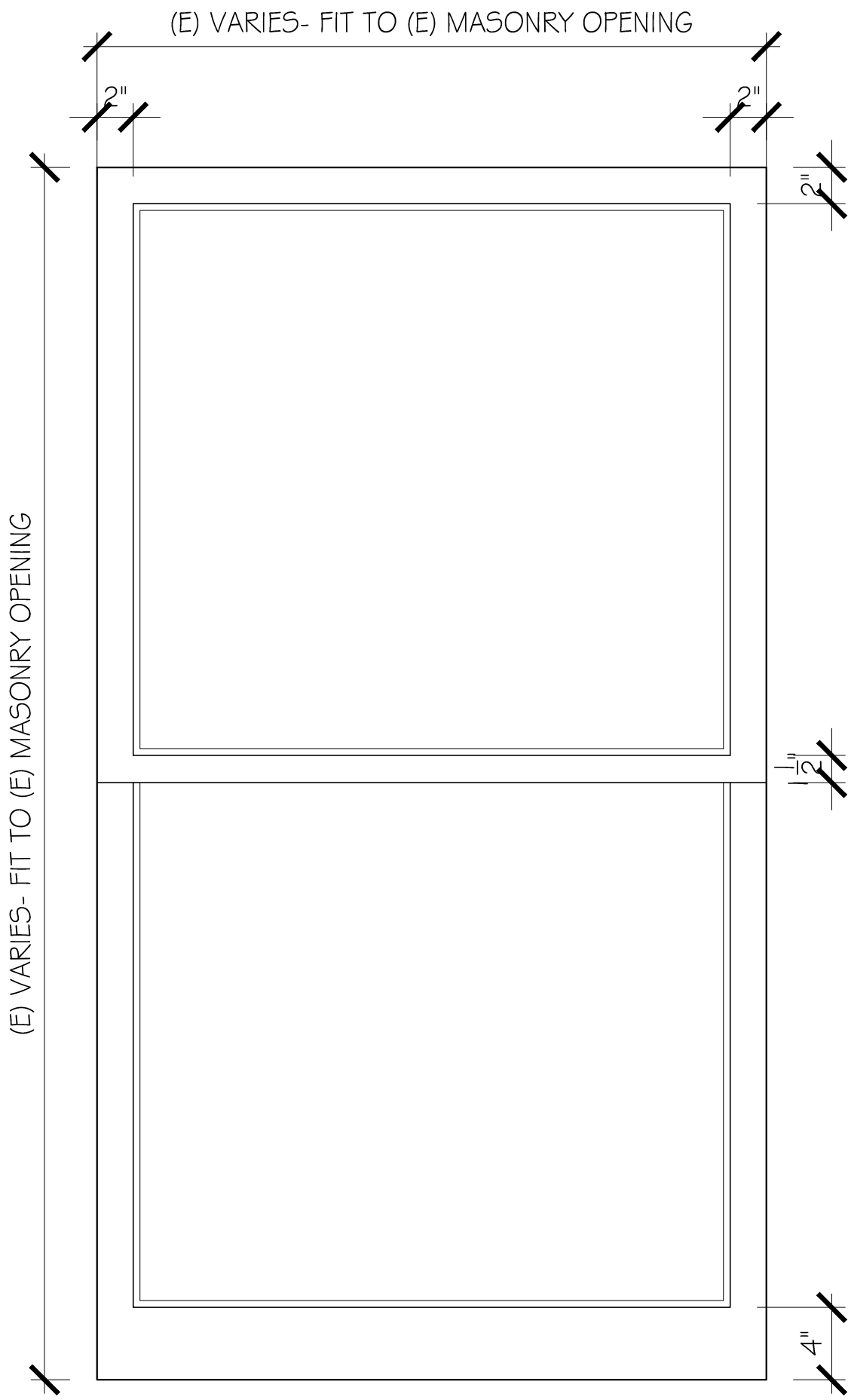
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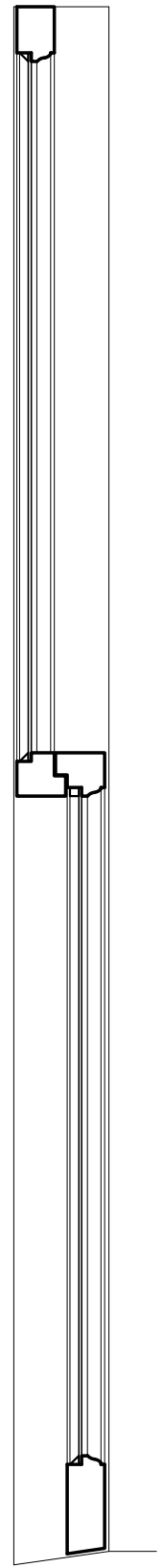
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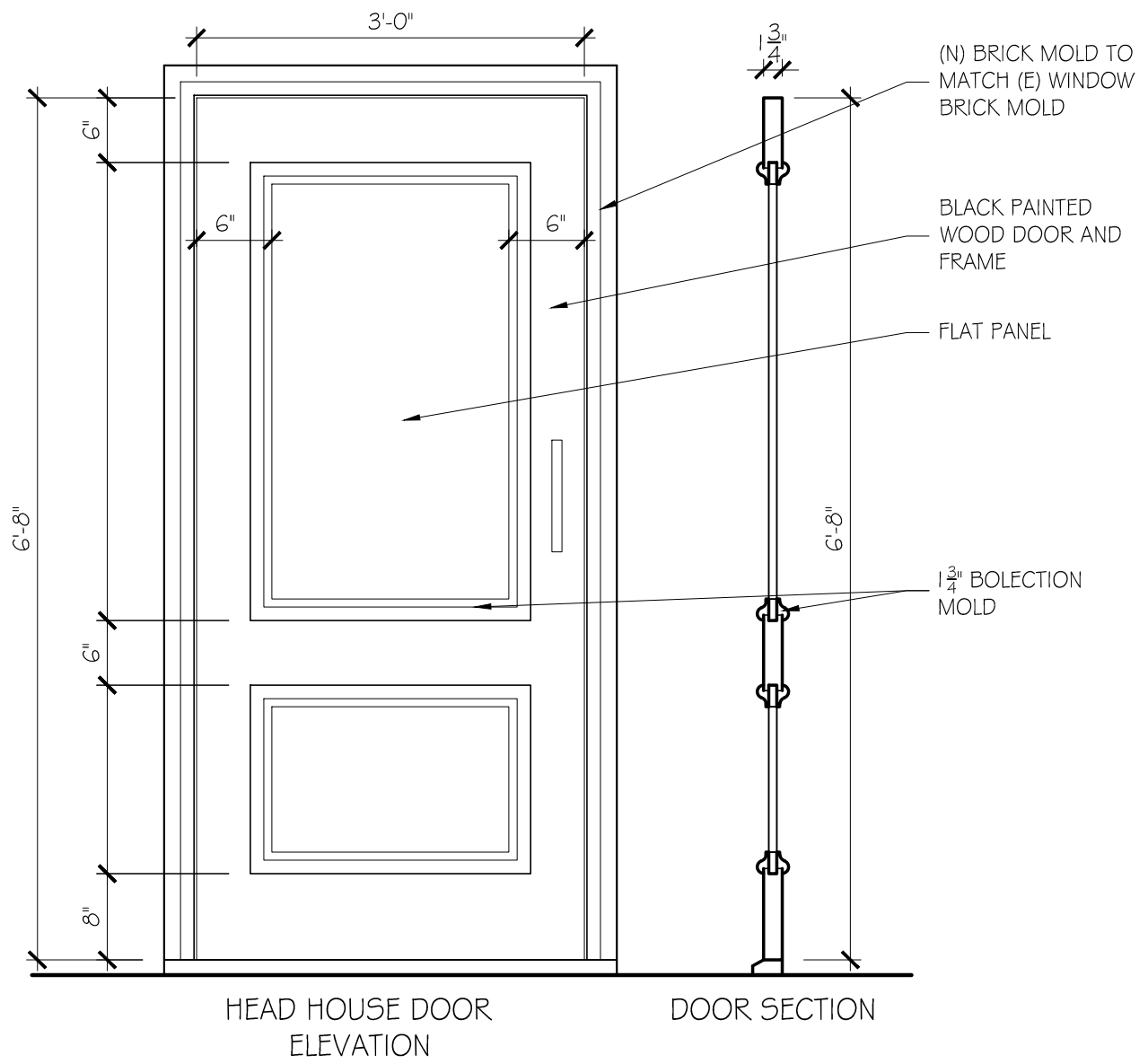


WINDOW ELEVATION



WINDOW SECTION

NOTE: PROPOSED REPLACEMENT WINDOW SASH TO MATCH EXISTING RAIL, STILE AND MUNTIN DIMENSIONS



JOB NO: 1724

SCALE:
3/4" = 1'-0"

DATE: 08.10.18

HEAD HOUSE DOOR DETAILS

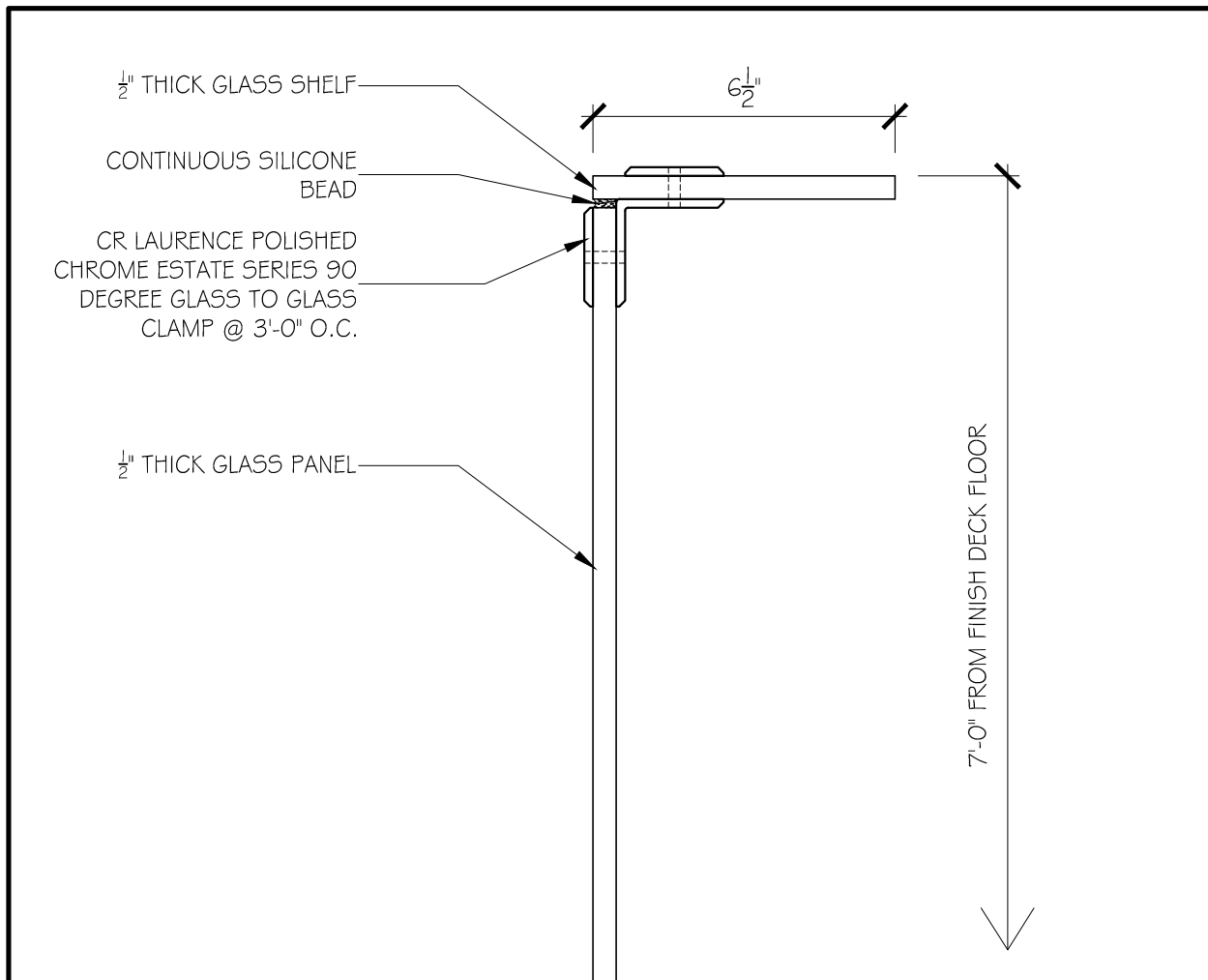
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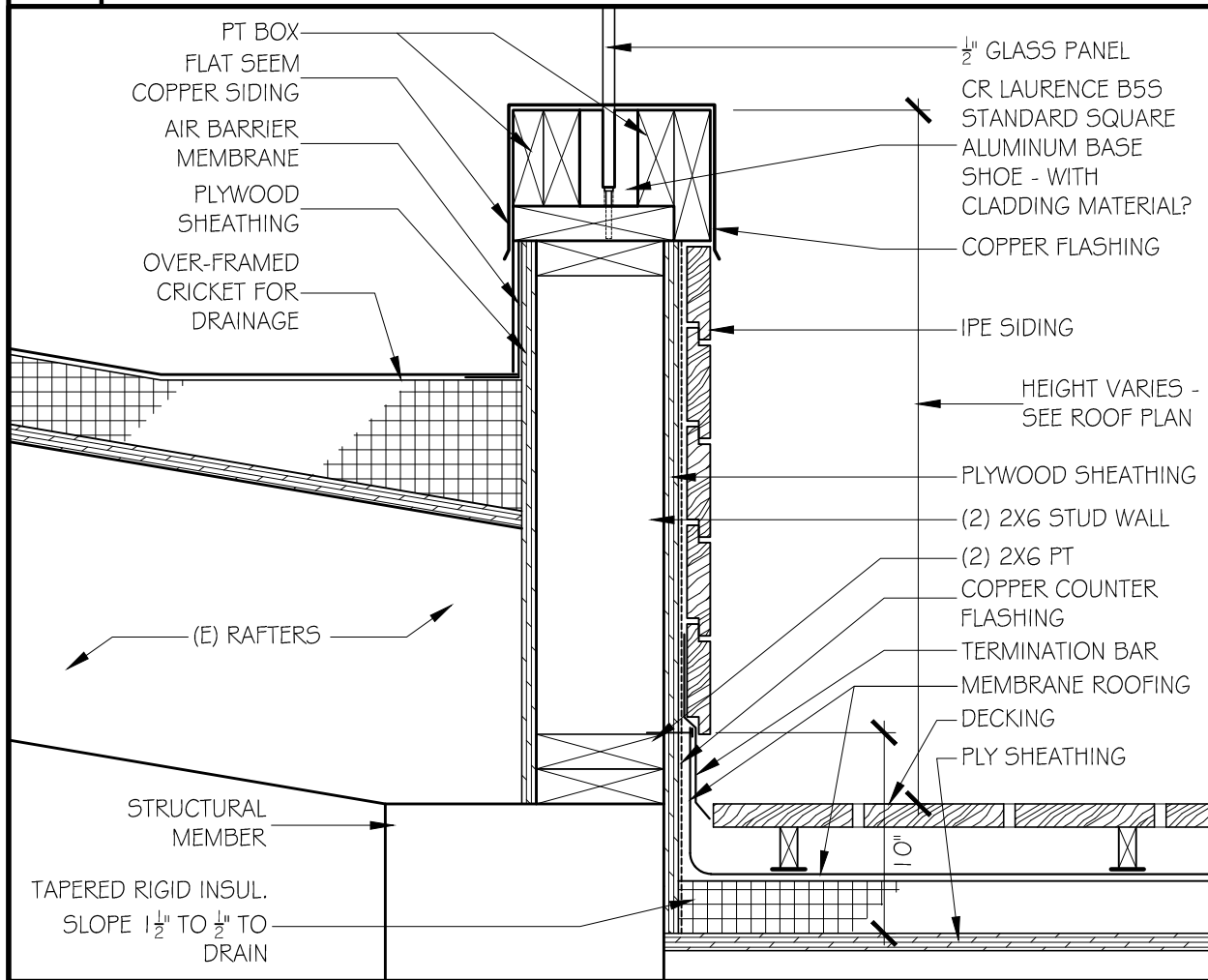
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THE ALGONQUIN CLUB

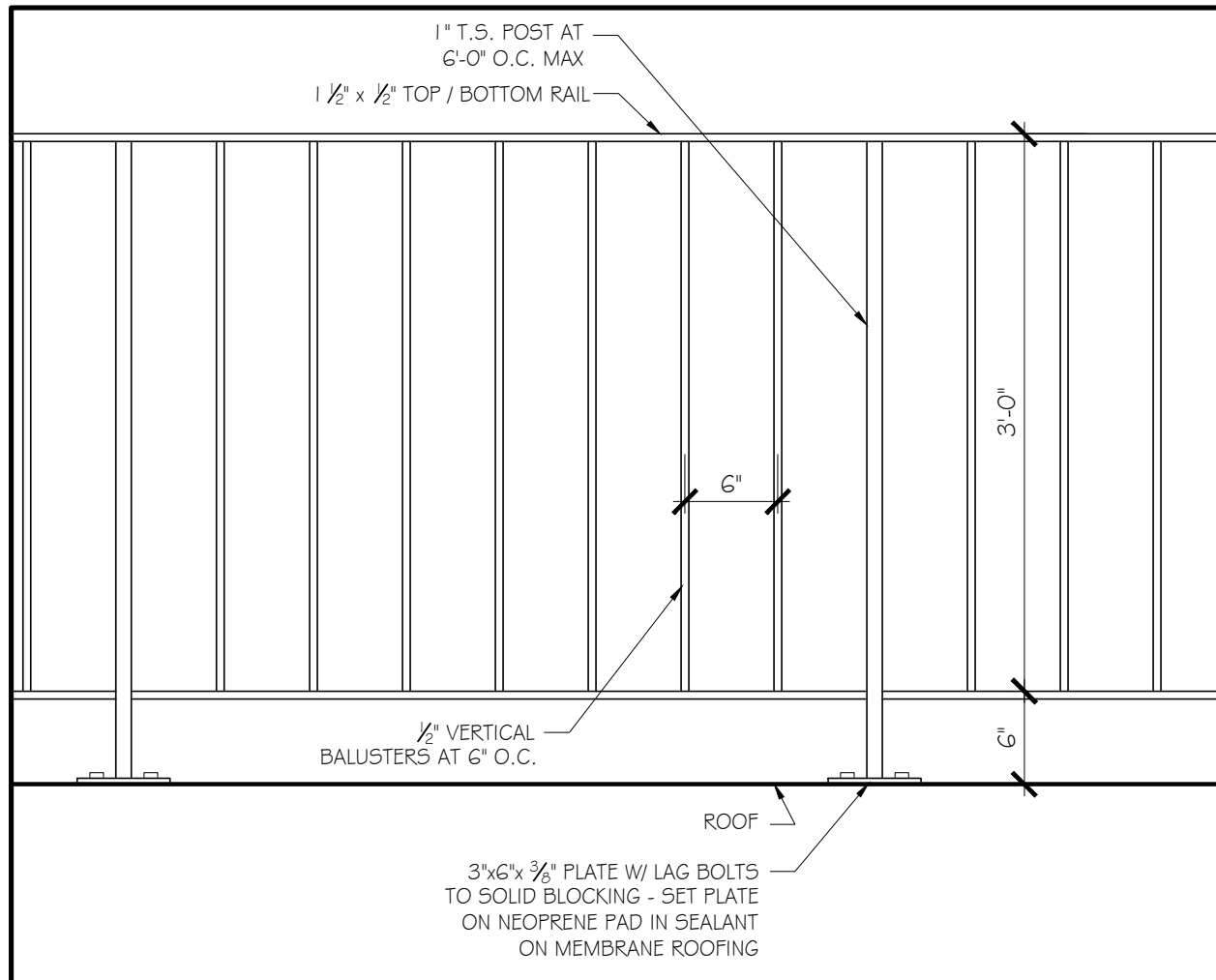
217 COMMONWEALTH AVENUE, BOSTON, MA



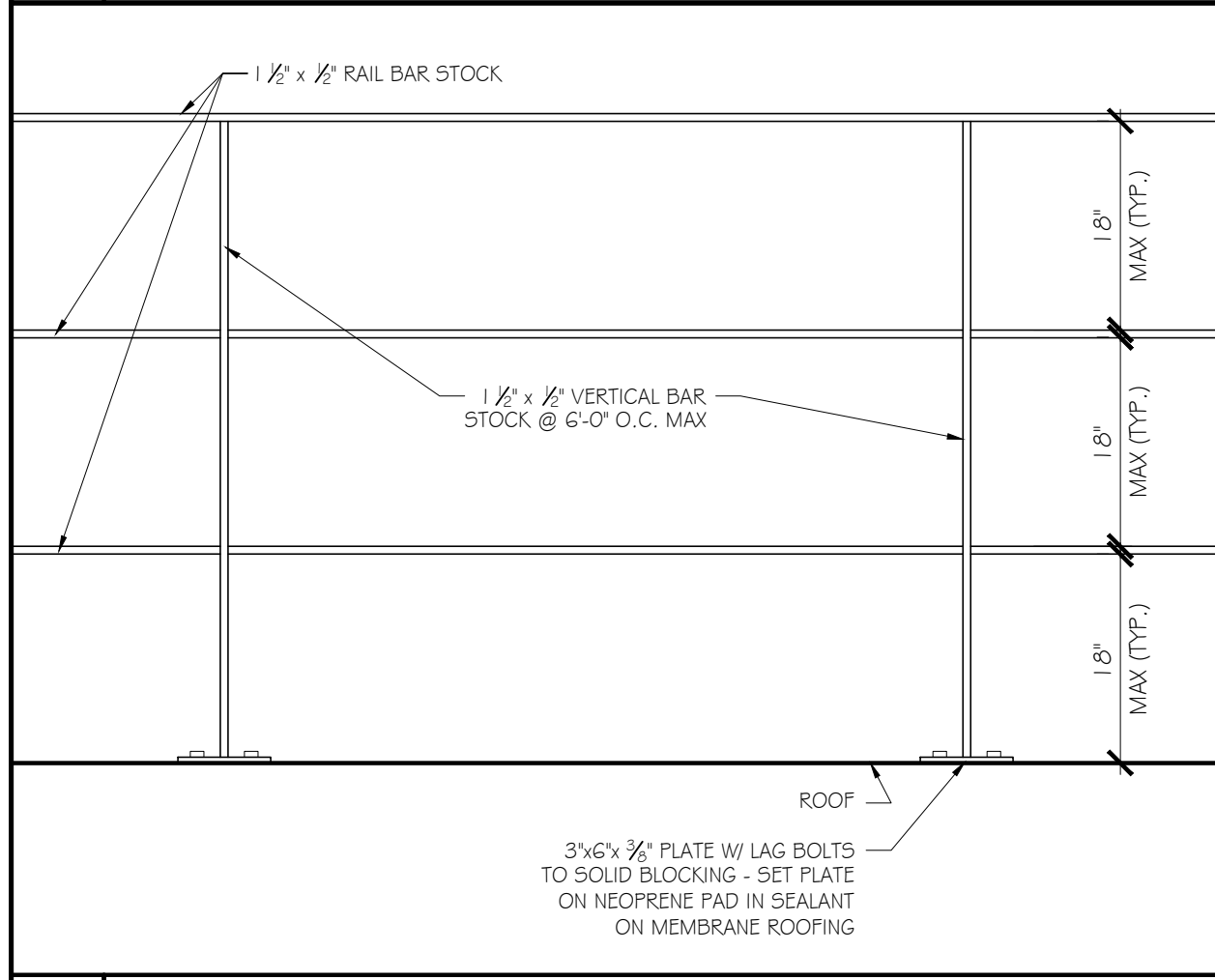
1 | TOP OF GLASS SOUND BARRIER DETAIL 3" = 1'-0"



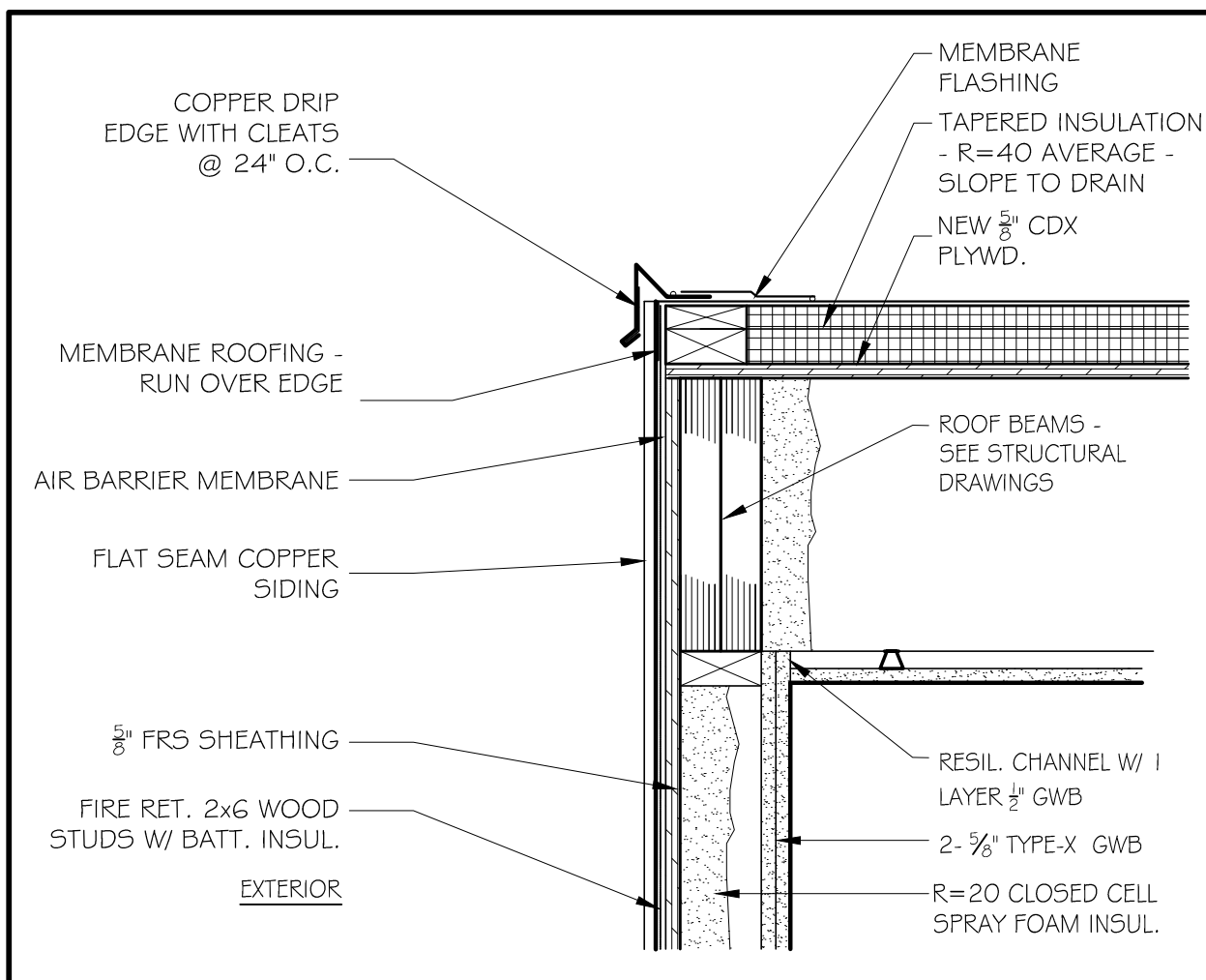
2 | KNEE WALL @ ROOF DECK DETAIL 1 1/2" = 1'-0"



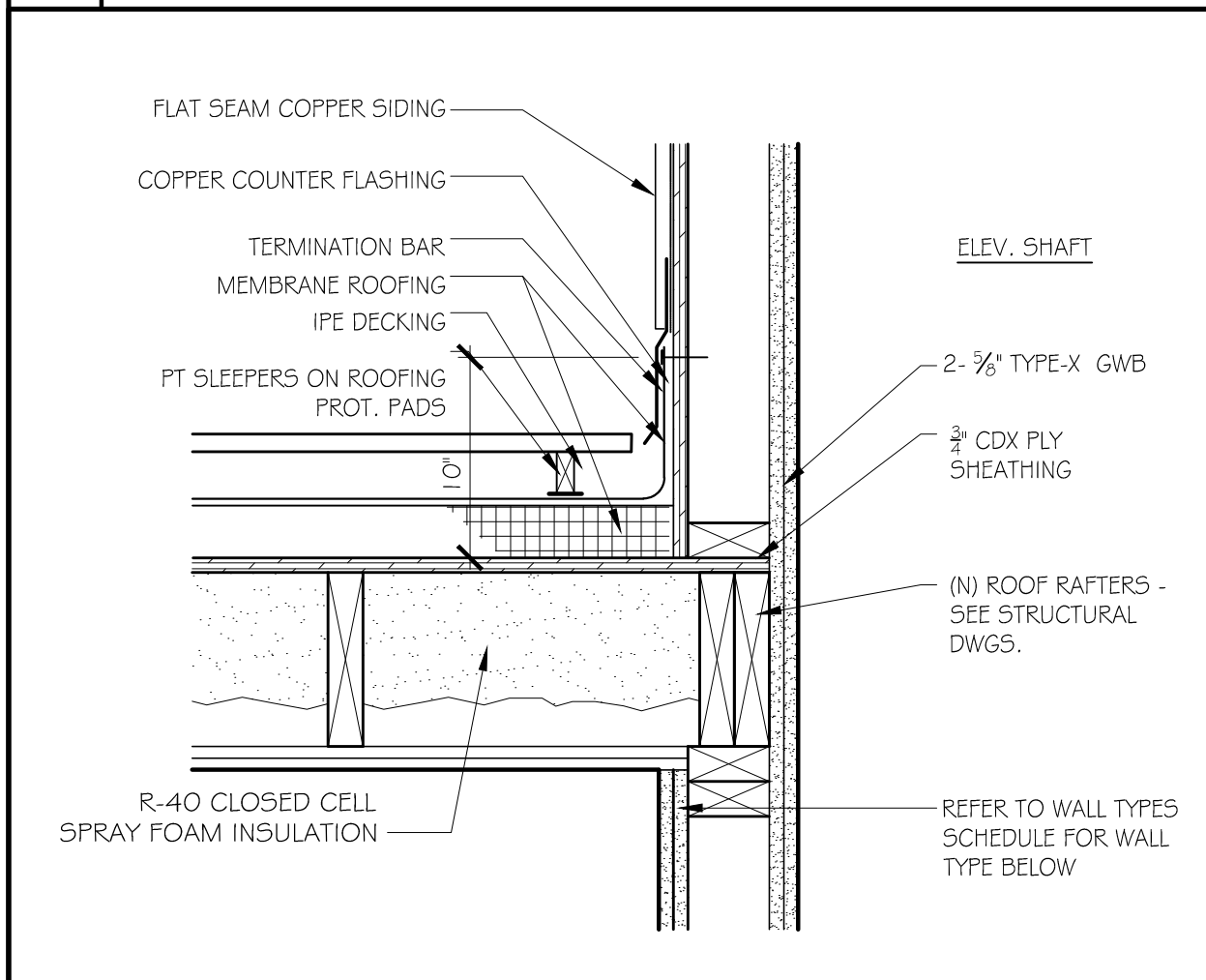
1 EQUIPMENT SCREEN W/ VERT. BALUSTERS (TYP.) 1" = 1'-0"



2 EQUIPMENT RAIL @ EAST SIDE LIGHT WELL 1" = 1'-0"



1 COPPER CLAD HEAD-HOUSE WALL @ ROOF 1/2" = 1'-0"



2 COPPER CLAD HEAD-HOUSE WALL @ DECK 1/2" = 1'-0"

JOB NO: 1724

SCALE:
AS NOTED

DATE: 08.10.18

COPPER CLAD HEAD HOUSE WALL DETAIL

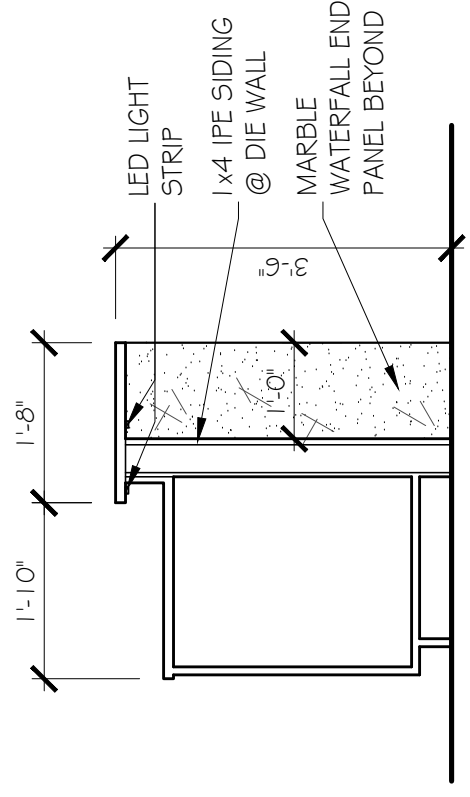
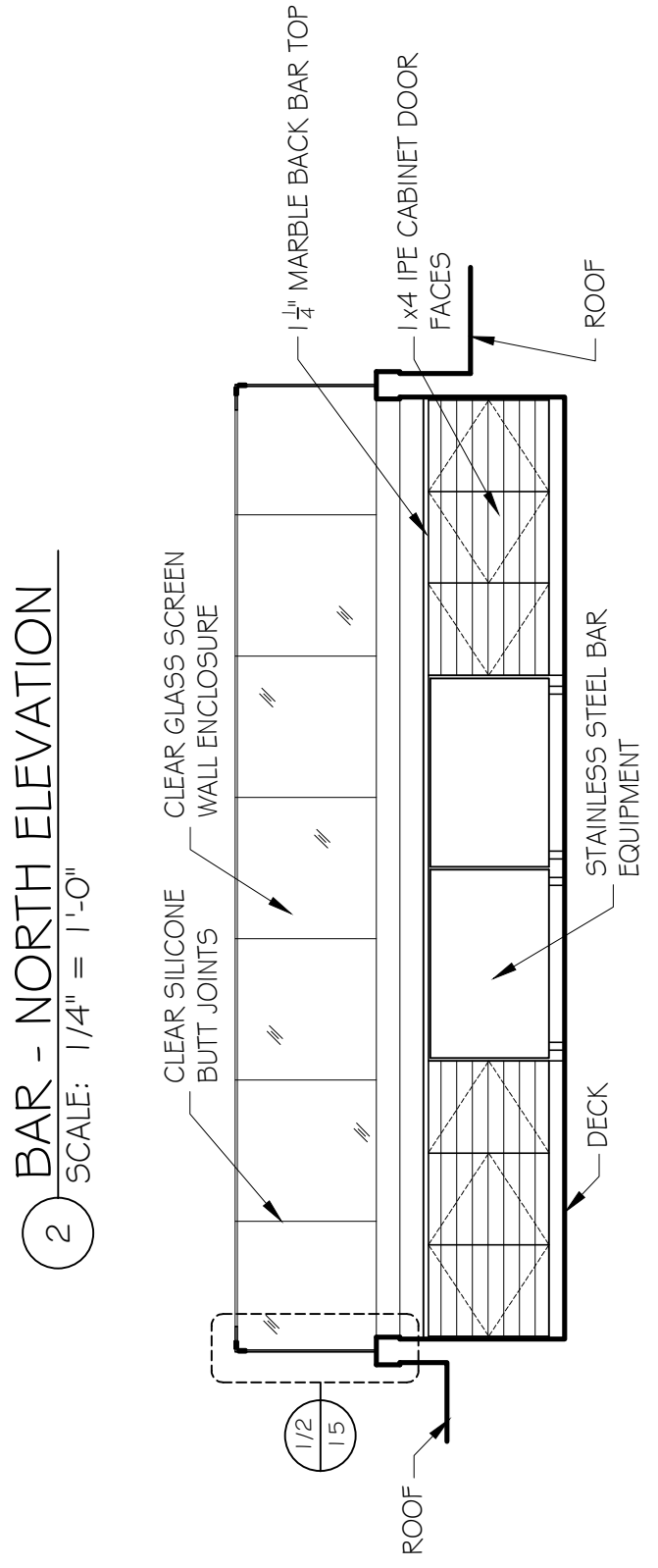
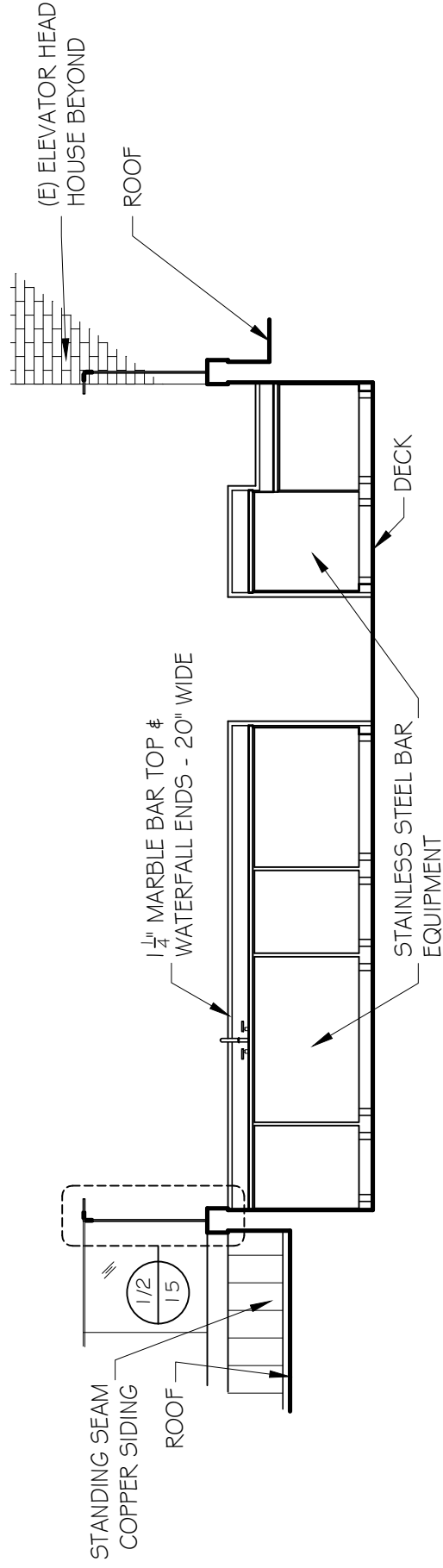
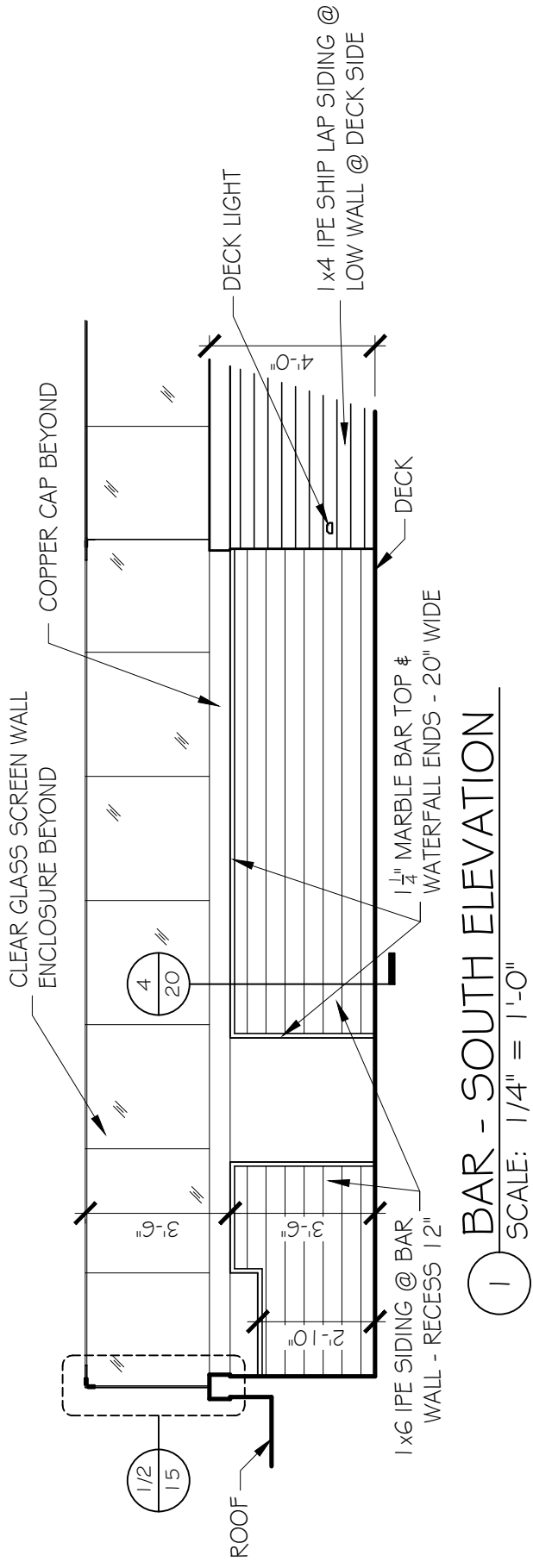
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SECTION @ BAR

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

JOB NO: 1724

SCALE: AS NOTED

DATE: 08.10.18

ROOF BAR ELEVATIONS

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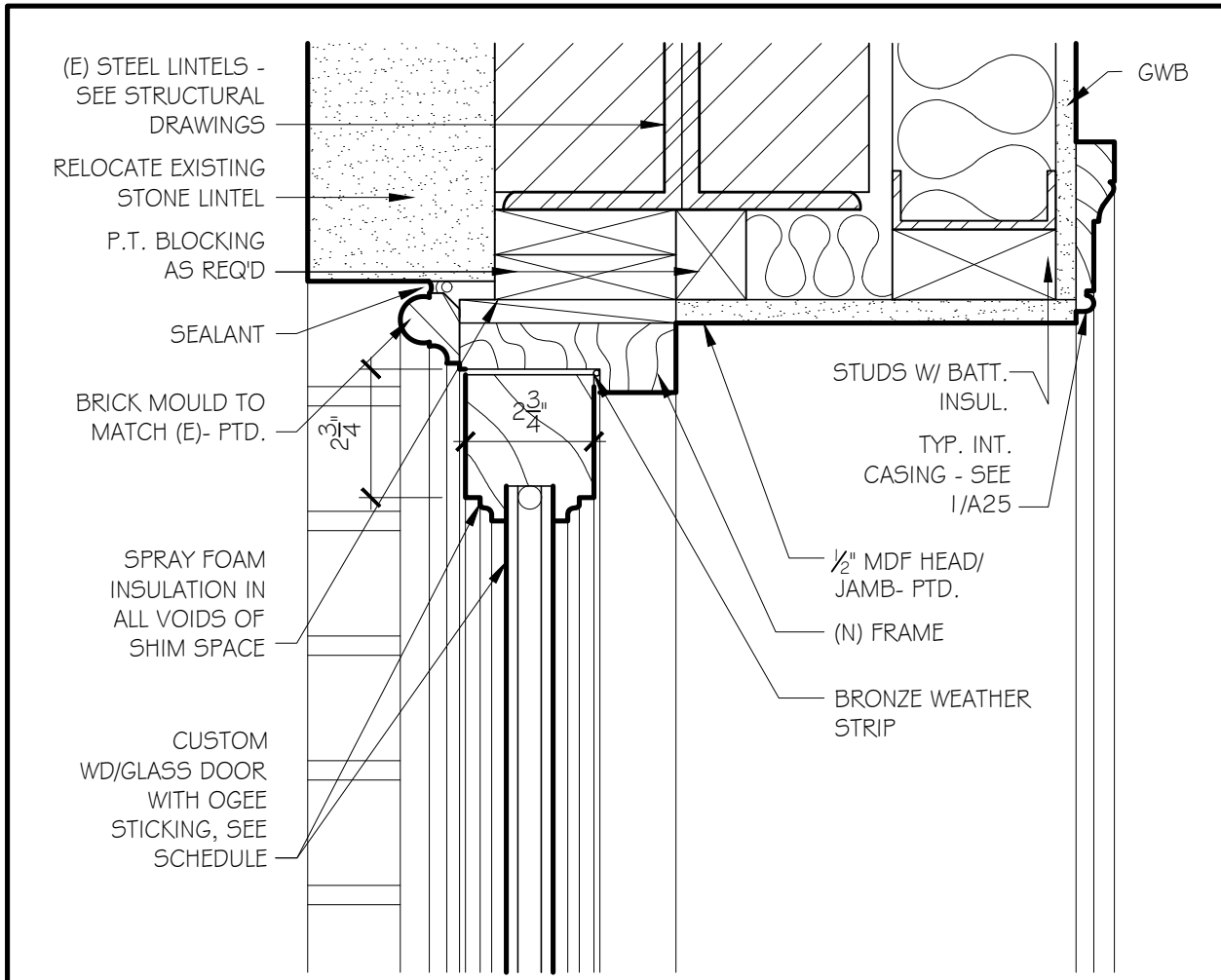
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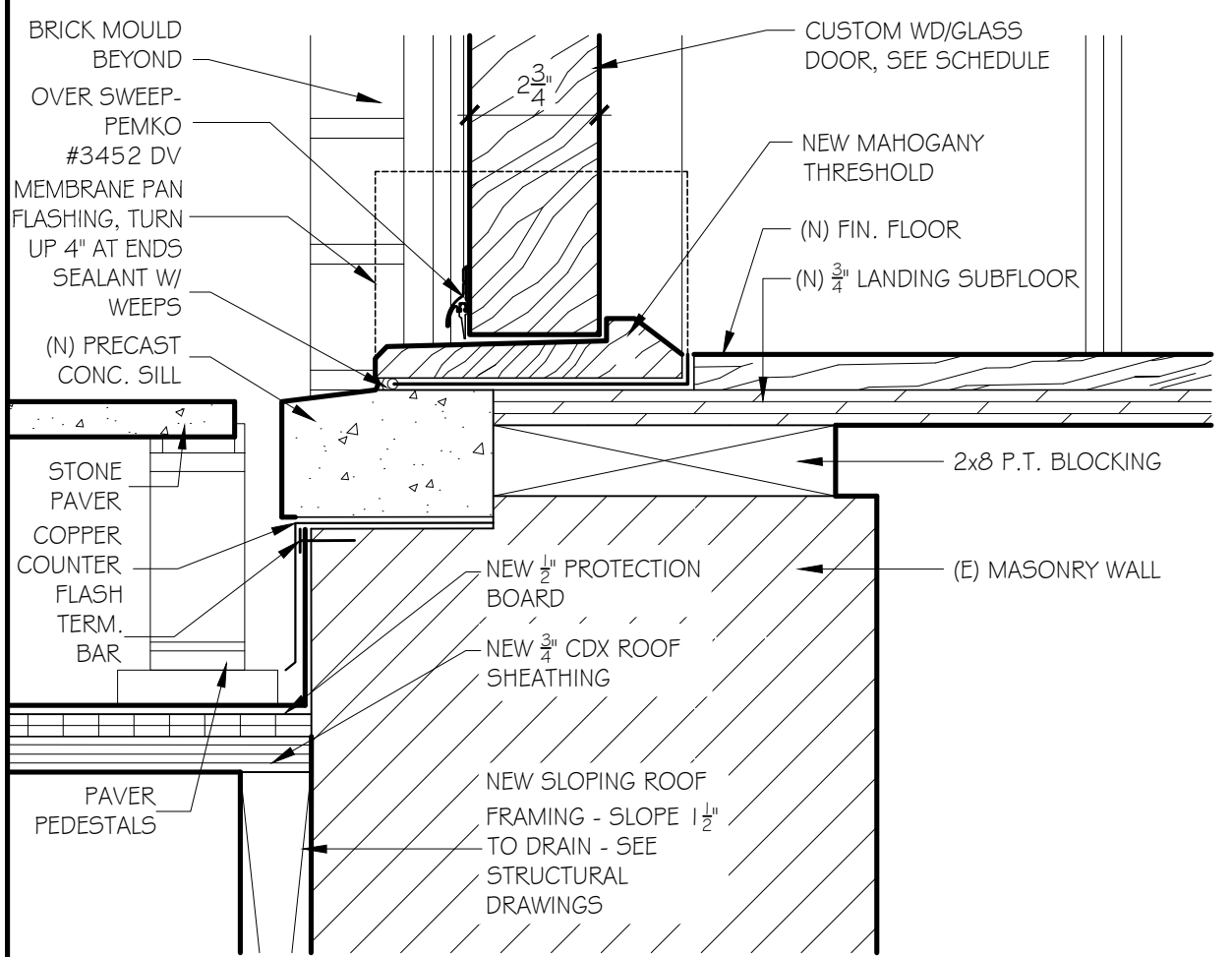
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20



1 EXTERIOR DOOR HEAD AT MASONRY WALL / DECK DETAIL 3" = 1'-0"



2 EXTERIOR DOOR SILL AT MASONRY WALL / DECK DETAIL 3" = 1'-0"

JOB NO: 1724

SCALE:
3" = 1'-0"

DATE: 08.10.18

NEW WINDOWS IN EXISTING MASONRY OPENING DETAILS

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DATE: _____ TYPE: _____

NAME: _____

PROJECT: _____



Halogen

P5223-31WB

Deck Lighting

One-light die-cast aluminum low voltage landscape deck light. Black finish is powder-coat painted to resist chipping, fading and the effects of salt air. 12-volt. Mounts directly to vertical posts. Units must be wired to a 12V transformer with proper capacity.

- Black finish
- Mounts directly to vertical posts.
- Units must be wired to a 12V transformer with proper capacity.

Category: Landscape

Finish: Black (powdercoat)

Construction: Die-cast aluminum construction

Width: 3-1/8"
Height: 1-1/2"
Depth: 2"

**DECK LIGHT ON
KNEE WALL - 12"
ABOVE DECK
FLOOR**

MOUNTING	ELECTRICAL	LAMPING	ADDITIONAL INFORMATION
Deck mounted	Pre-wired 6 feet of wire supplied 12 V	Quantity: One 13w max. T5 wedge base(included) Wedge base ceramic socket	UL-CUL Wet location listed 1 year warranty



Product details

Suitable for	Use within closet storage spaces
Volts	12

STRIP LIGHT UNDER
DECK BAR TOP

Item No.

Quantity

Line Level PO

Select product features

Light color

Cool white Warm white

Length

Add accessories to the cart



LED Driver, 12 V Constant

Item No.



Type of plug

Without mains lead

Number of connections

6 Slots for 12 V lights, 1 slot for switch

Wattage

0 – 60 W

Dimension (L x W x H)

208 x 56.5 x 30 mm

Color

Black

Quantity

Edison Light Globes



globes, flex and fittings



Vintage Ship Brass Shaded Bulkhead Wall Light

\$156.06

SKU: 11194.

OUTDOOR SCENCE
LOCATED ON DECK HEAD
HOUSES AND IN
COURTAYRD

Description

Vintage Ship Brass Shaded Bulkhead Wall Light. The light comes with an integral wall plate for installation to any wall surface. The cage is solid brass with a threaded glass water proof insert. The glass is original rough blown. The brass has a lovely patina, reminiscent from years at sea with a high quality of the finish. They have the odd mark or imperfection, the cages in particular have ridges and minor marks. This gives them each a unique story and a more authentic aged look. They will look great in your home, garden, outside wall or porch. They have been fitted with a new E27 brass lamp holder and take a standard shape GLS globe. This is a typical example though may have some very minor differences (mainly casting blemishes or small marks in different places). These were originally stamped IP64 but re polishing has removed the mark. They would be considered by us to be IP Rated with careful attention when installing however. Bulb not included. Recommended bulb below.

Specifications

Earthed system that requires 3 core flex and needs to be wired to earth.

Cage Diameter 107mm

Total Length 282mm

Shipping

Weight *1.4 kg*

Dimensions *25 x 15 x 15 cm*

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Updated Specifications/Stocks should be checked via the website prior to ordering.

152 Cowper Street Footscray Melbourne VIC Australia 3011 Phone +613 9396 1421

www.edisonlightglobes.com Email: support@edisonlightglobes.com.au



TERRACE AND DECK HEAD-
HOUSE DOOR KNOBS

Les Quatre Saisons Printemps

Marble

FOR DECK BAR COUNTER TOP

Color
Purple/Multi



SD150 | 6.7L | 150 kW

INDUSTRIAL DIESEL GENERATOR SET

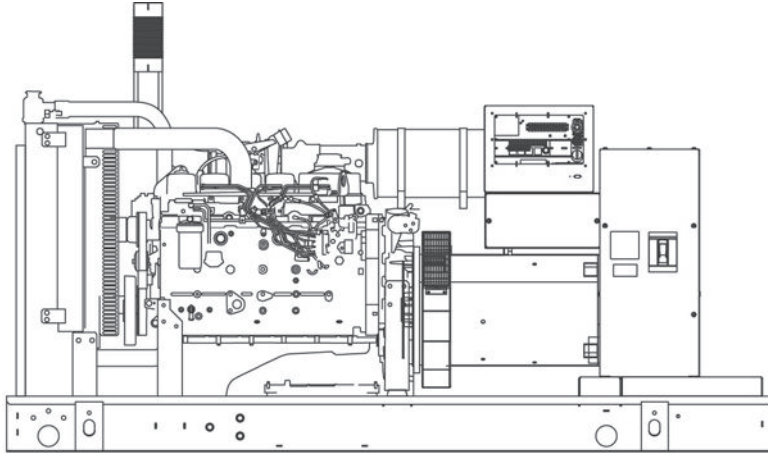
EPA Certified Stationary Emergency

STANDBY POWER RATING

150 kW, 188 kVA, 60 Hz

PRIME POWER RATING*

135 kW, 169 kVA, 60 Hz



*Built in the USA using domestic and foreign parts

*EPA Certified Prime ratings are not available in the U.S. or its Territories.

Image used for illustration purposes only

**Certain options or customization may not hold certification valid.


CODES AND STANDARDS

Generac products are designed to the following standards:

 UL2200, UL508, UL142, UL498

 NFPA70, 99, 110, 37

 NEC700, 701, 702, 708

 ISO9001, 8528, 3046, 7637, Pluses #2b, 4

 NEMA ICS10, MG1, 250, ICS6, AB1

 **ANSI**
American National Standards Institute
ANSI C62.41

POWERING AHEAD

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

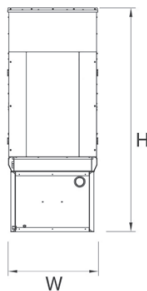
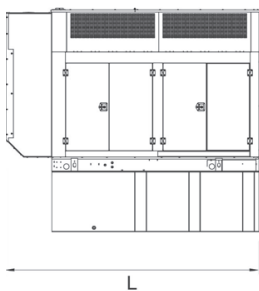
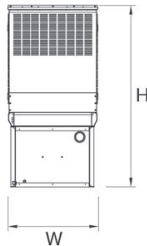
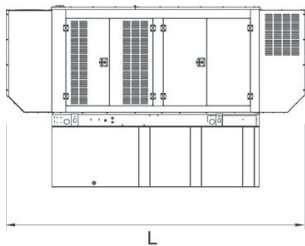
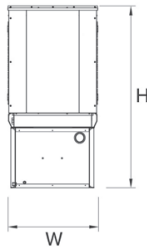
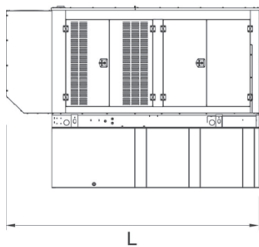
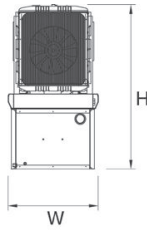
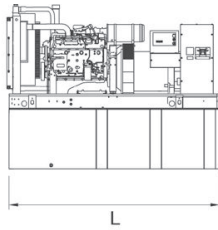
Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*



YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

OPEN SET

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Tank & Open Set	
			Steel	Aluminum
NO TANK	-	117 (2972) x 50 (1270) x 57 (1448)	3980 (1805)	
12	134 (507)	117 (2972) x 50 (1270) x 71 (1803)	4764 (2161)	
29	322 (1219)	117 (2972) x 50 (1270) x 82 (2083)	5052 (2292)	
45	510 (1930.6)	117 (2972) x 50 (1270) x 94 (2388)	5345 (2424)	
62	693 (2623.3)	136 (3454) x 53 (1346) x 98 (2489)	5575 (2530)	
84	946 (3581)	208 (5283) x 53 (1346) x 98 (2489)	7005 (3117)	
118	1325 (5015.7)	278 (7061) x 53 (1346) x 96 (2438)	8020 (3638)	

STANDARD ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	143 (3632) x 50 (1270) x 68 (1727)		
12	134 (507)	143 (3632) x 50 (1270) x 81 (2057)		
29	322 (1219)	143 (3632) x 50 (1270) x 93 (2362)		
45	510 (1930.6)	143 (3632) x 50 (1270) x 105 (2667)	850 (386)	280 (127)
62	693 (2623.3)	143 (3632) x 53 (1346) x 109 (2769)		
84	946 (3581)	208 (5283) x 53 (1346) x 109 (2769)		
118	1325 (5015.7)	278 (7061) x 53 (1346) x 107 (2718)		

LEVEL 1 ACOUSTIC ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	168 (4267) x 50 (1270) x 68 (1727)		
12	134 (507)	168 (4267) x 50 (1270) x 81 (2057)		
29	322 (1219)	168 (4267) x 50 (1270) x 93 (2362)		
45	510 (1930.6)	168 (4267) x 50 (1270) x 105 (2667)	1050 (476)	347 (157)
62	693 (2623.3)	168 (4267) x 53 (1346) x 109 (2769)		
84	946 (3581)	234 (5944) x 53 (1346) x 109 (2769)		
118	1325 (5015.7)	304 (7722) x 53 (1346) x 107 (2718)		

LEVEL 2 ACOUSTIC ENCLOSURE

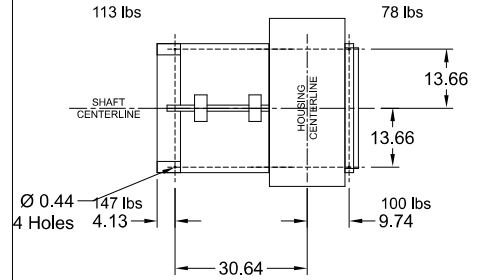
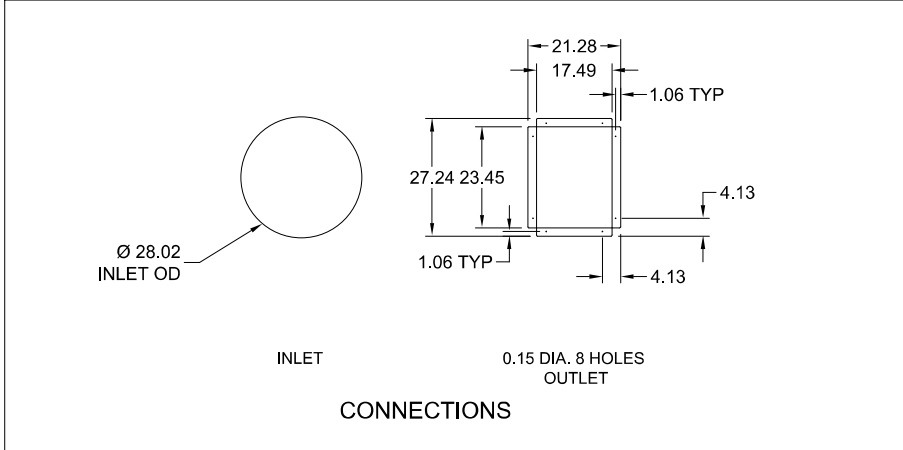
RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	143 (3632) x 50 (1270) x 92 (2337)		
12	134 (507)	143 (3632) x 50 (1270) x 105 (2667)		
29	322 (1219)	143 (3632) x 50 (1270) x 117 (2972)		
45	510 (1930.6)	143 (3632) x 50 (1270) x 129 (3278)	1250 (567)	413 (187)
62	693 (2623.3)	143 (3632) x 53 (1346) x 133 (3378)		
84	946 (3581)	208 (5283) x 53 (1346) x 133 (3378)		
118	1325 (5015.7)	278 (7061) x 53 (1346) x 131 (3327)		

*All measurements are approximate and for estimation purposes only. Sound dBA can be found on the sound data sheet. Enclosure Only weight is added to Tank & Open Set weight to determine total weight.

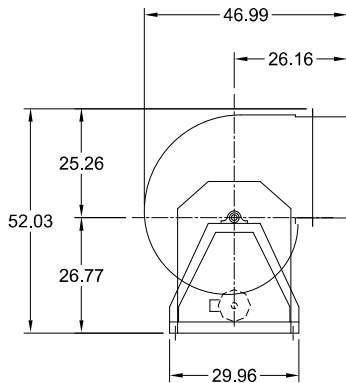
Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

Model: USF-222-BI-X

Centrifugal Utility Fan - Backward Inclined Wheel

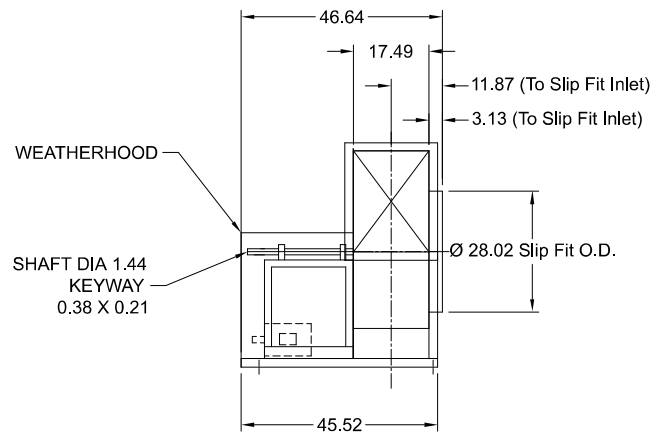


FAN FOOTPRINT



SIDE VIEW

*SIDE VIEW IS VIEWED FROM DRIVE SIDE
*DISCHARGE POSITION CAN **NOT** BE MODIFIED IN FIELD
*FANS ARE SUBJECT TO ±.125 INCH TOLERANCE
*DUE TO CONTINUAL IMPROVEMENTS DIMENSIONS MAY CHANGE

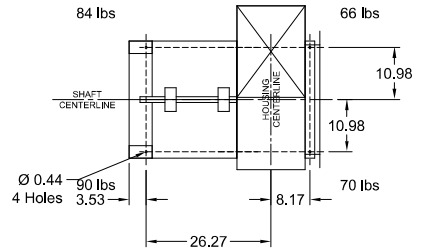
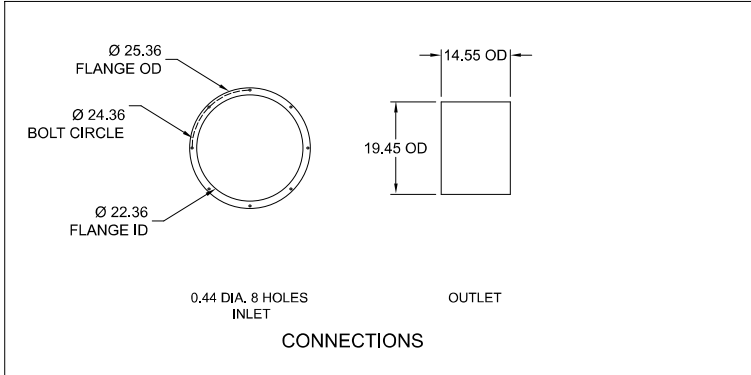


END VIEW

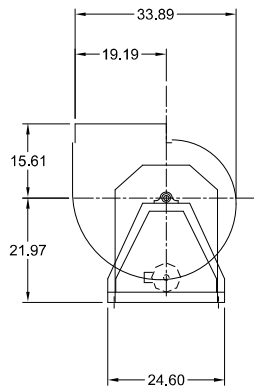
Notes: All dimensions shown are in units of in.

Model: USF-318-BI-G

Centrifugal Utility Fan - Backward Inclined Wheel

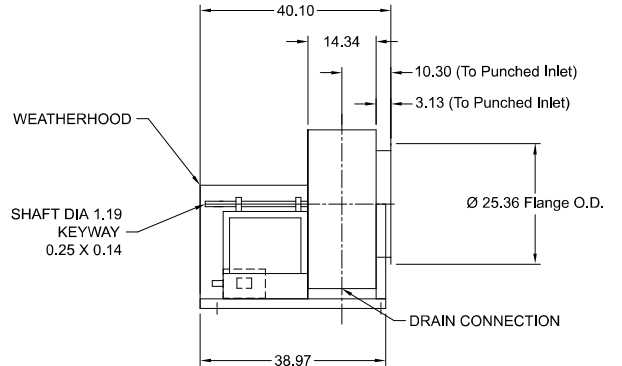


FAN FOOTPRINT



SIDE VIEW

*SIDE VIEW IS VIEWED FROM DRIVE SIDE
*FANS ARE SUBJECT TO ±.125 INCH TOLERANCE
*DUE TO CONTINUAL IMPROVEMENTS DIMENSIONS MAY CHANGE

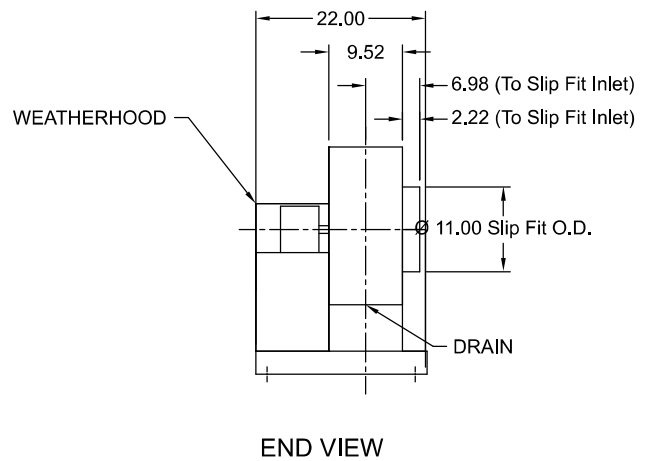
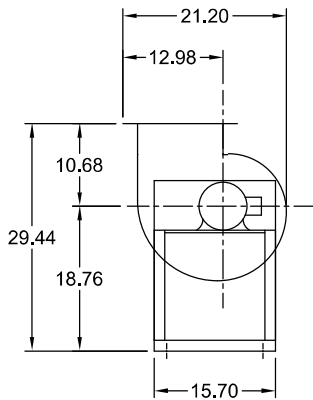
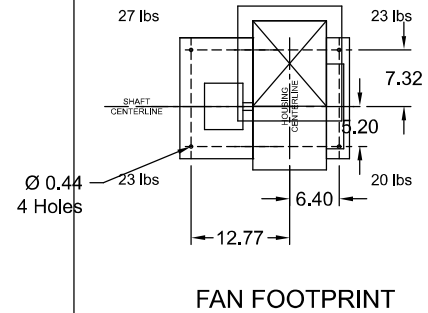
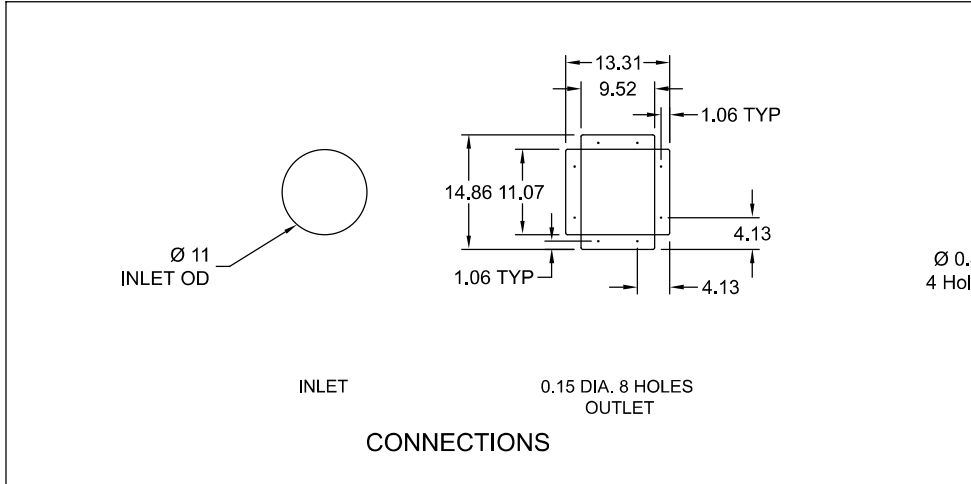


END VIEW

Notes: All dimensions shown are in units of in.

Model: USFD-110-BI

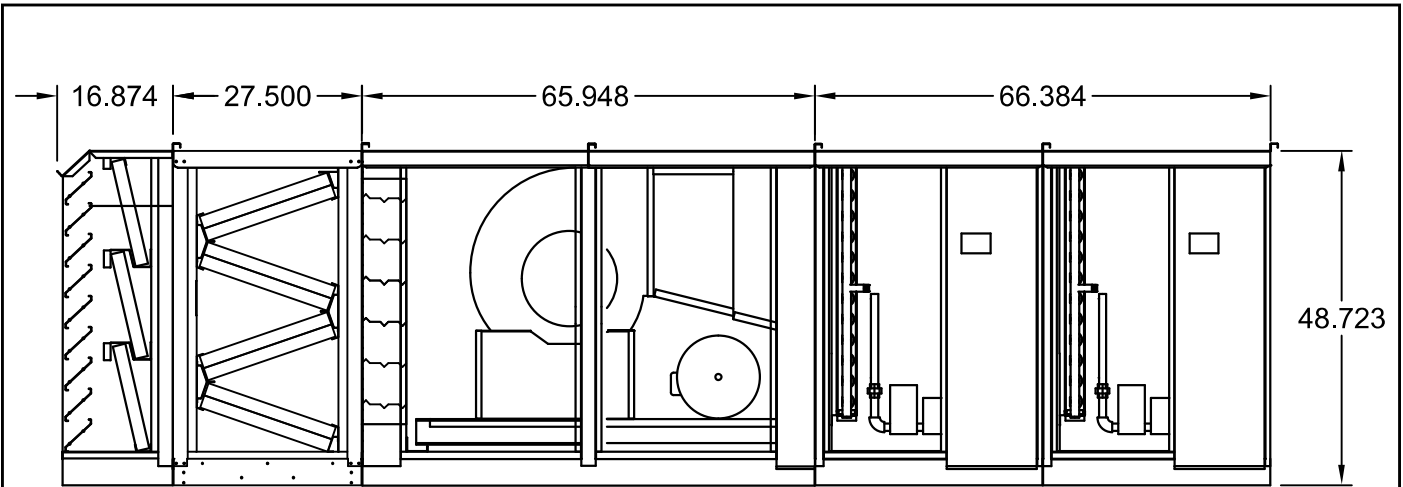
Direct Drive Centrifugal Utility Fan - Backward Inclined Wheel



SIDE VIEW

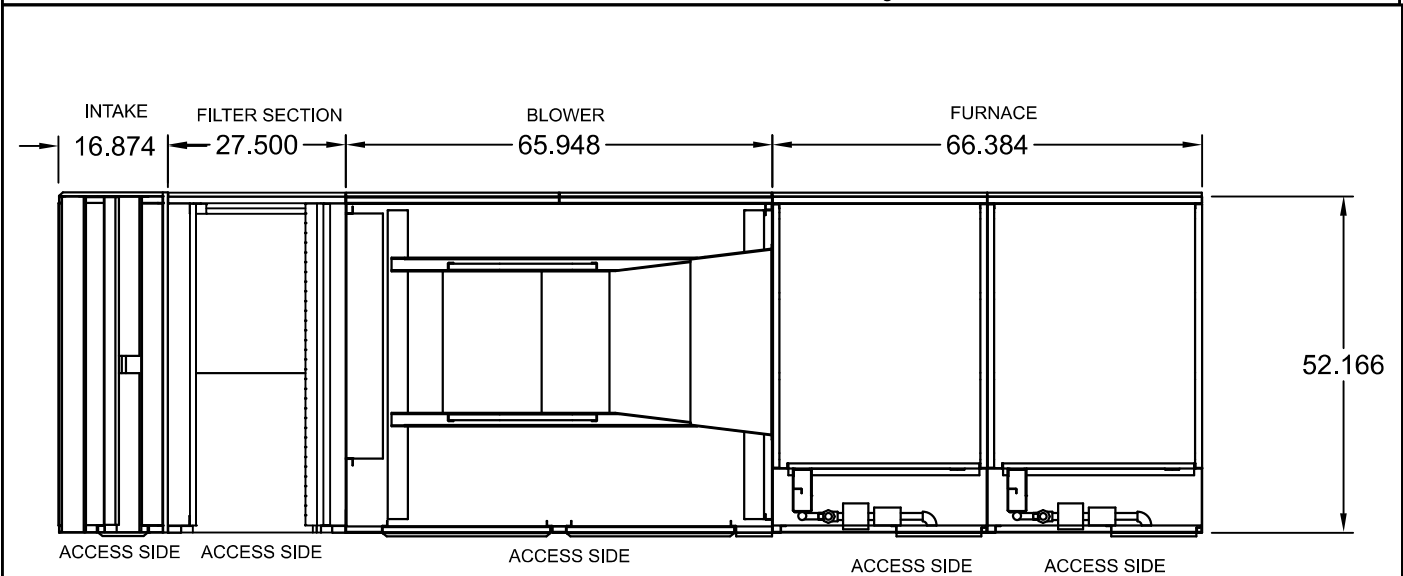
- *SIDE VIEW IS VIEWED FROM DRIVE SIDE
- *DISCHARGE POSITION CAN NOT BE MODIFIED IN FIELD
- *FANS ARE SUBJECT TO $\pm .125$ INCH TOLERANCE
- *DUE TO CONTINUAL IMPROVEMENTS DIMENSIONS MAY CHANGE

Notes: All dimensions shown are in units of in.



ELEVATION VIEW

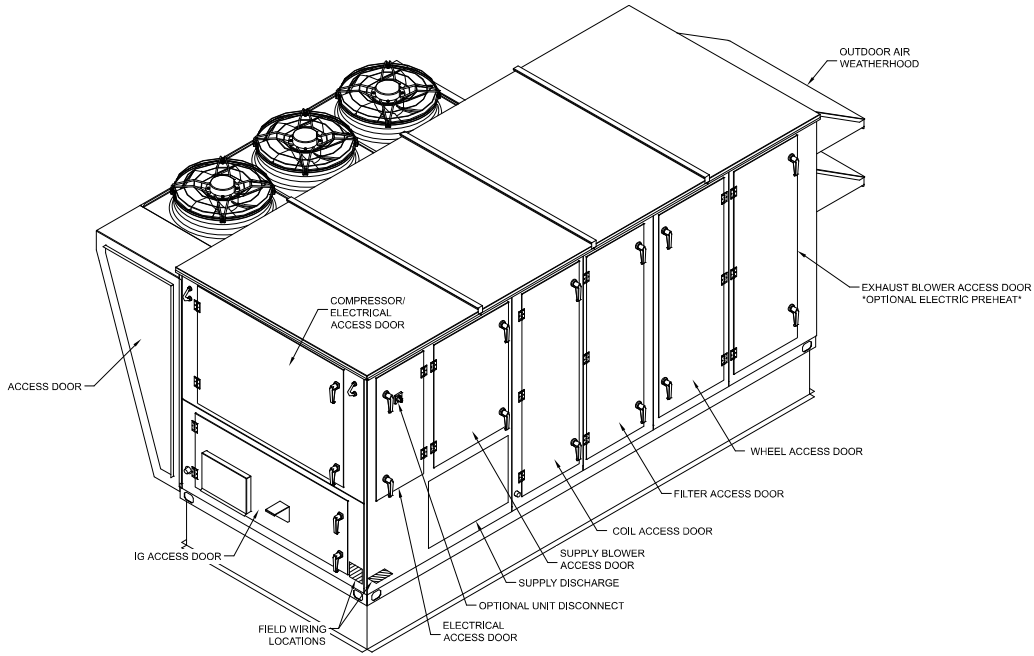
*Standard configuration for unit access is on the right-hand side, when looking into the unit intake in the direction of airflow.
*Note: Order of unit sections is from intake of unit to discharge of unit.
*Sections included on this unit: Weatherhood Section, Filter Section, Blower Section, Furnace 1 Section, Furnace 2 Section
*Insulation: Double Wall, from Furnace Section through end of unit.



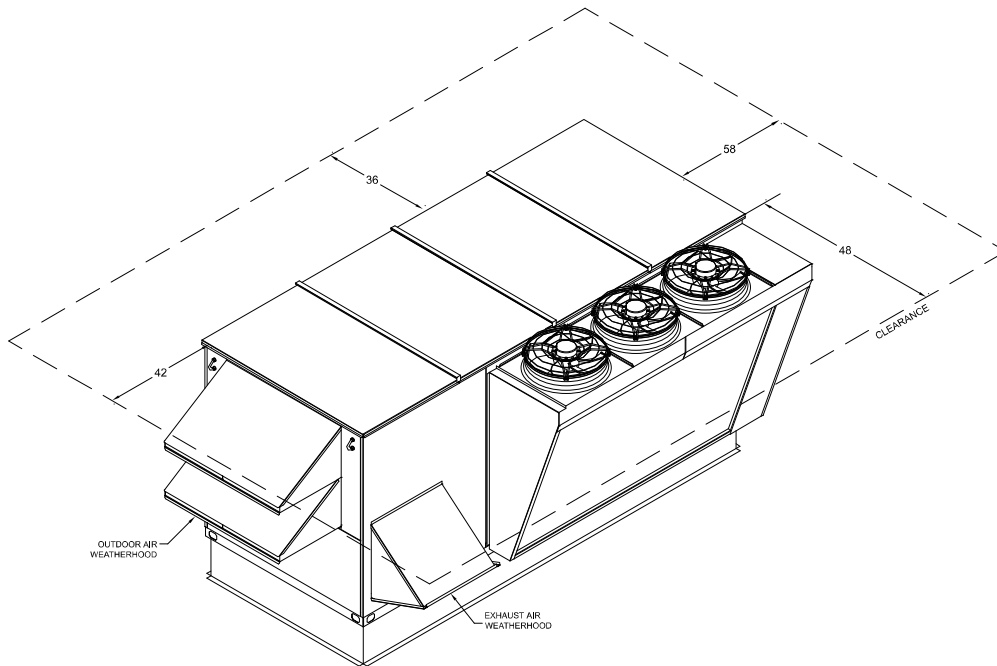
PLAN VIEW

* Standard configuration for unit access is on the right-hand side, when looking into the unit intake in the direction of airflow.

ISOMETRIC DRAWINGS

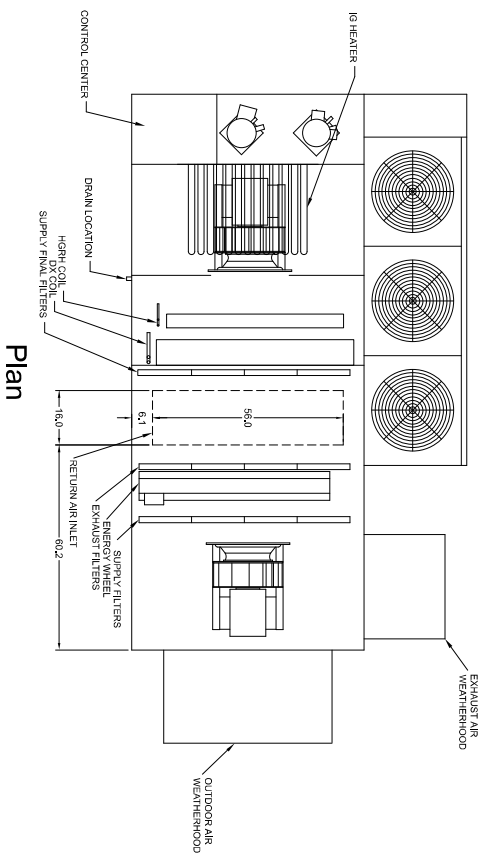


Back Right Isometric

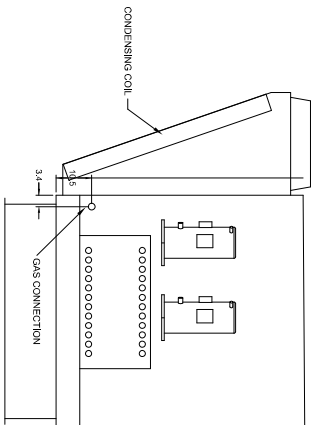


Front Left Isometric

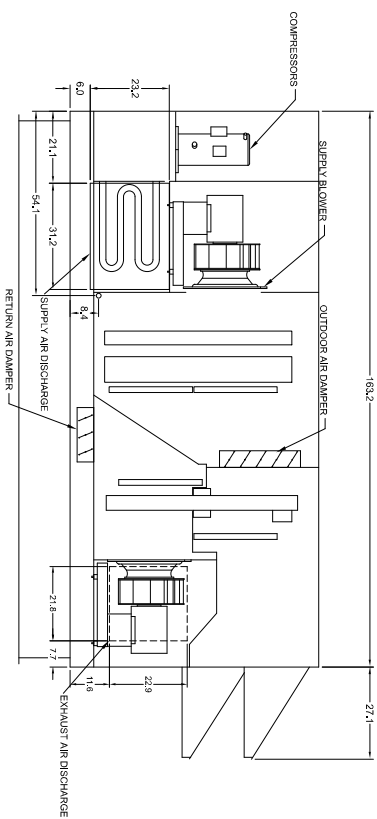
OVERVIEW DRAWINGS



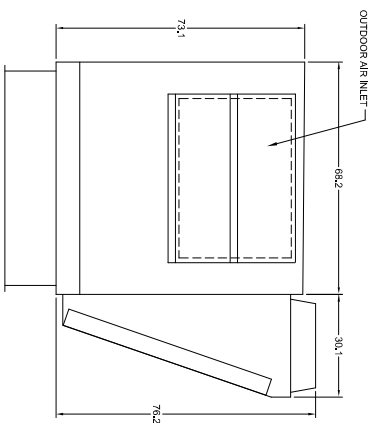
Plan



Left End

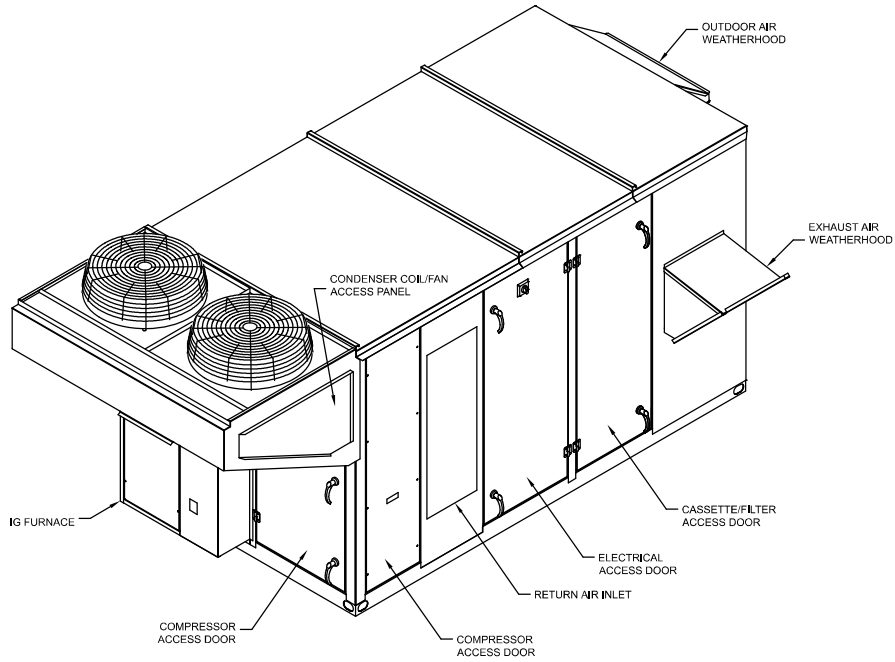


Elevation

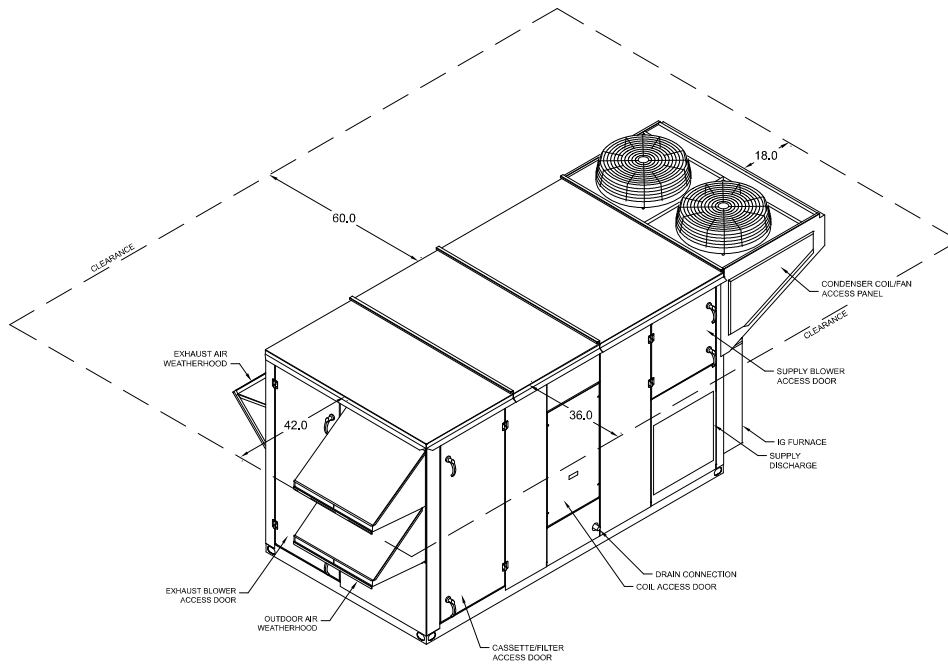


Right End

ISOMETRIC DRAWINGS



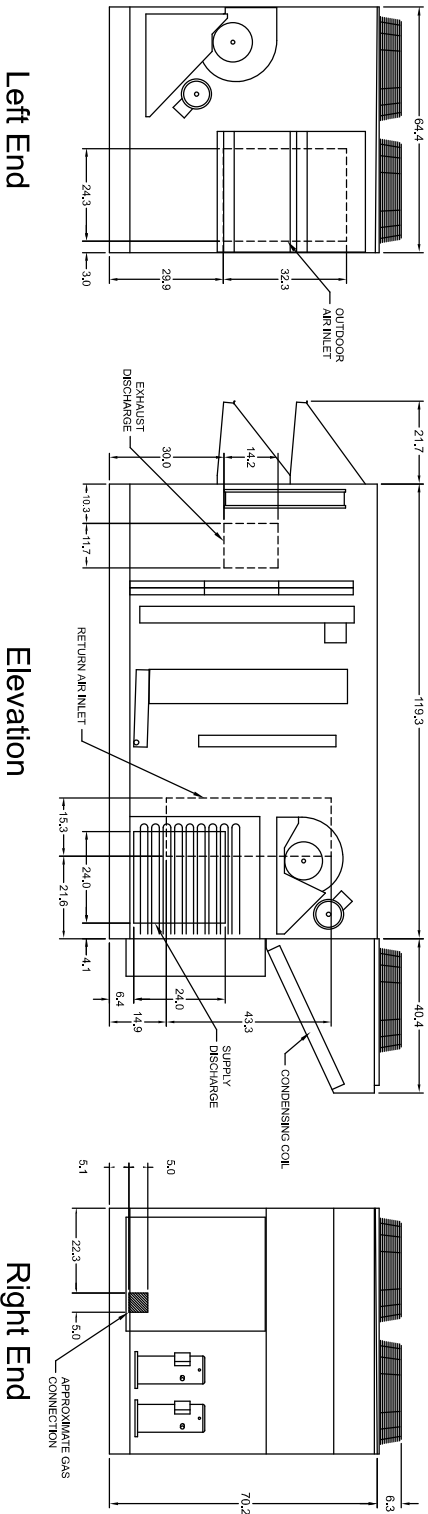
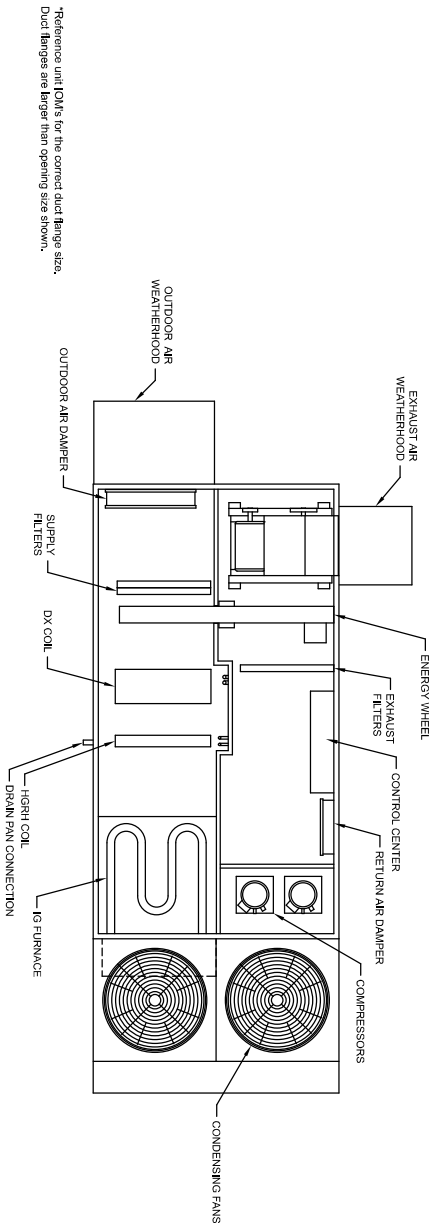
Back Right Isometric



Front Left Isometric

OVERVIEW DRAWINGS

Plan

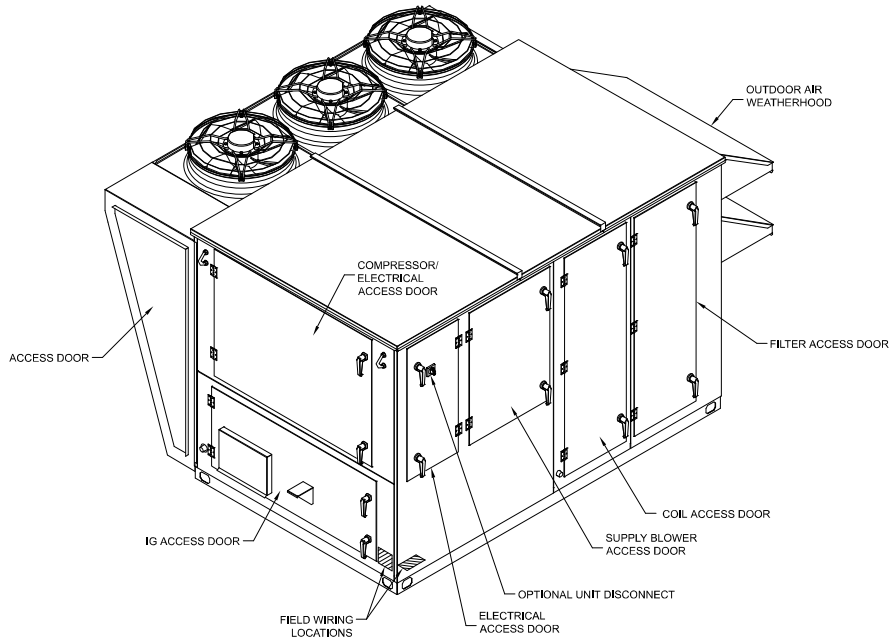


Left End

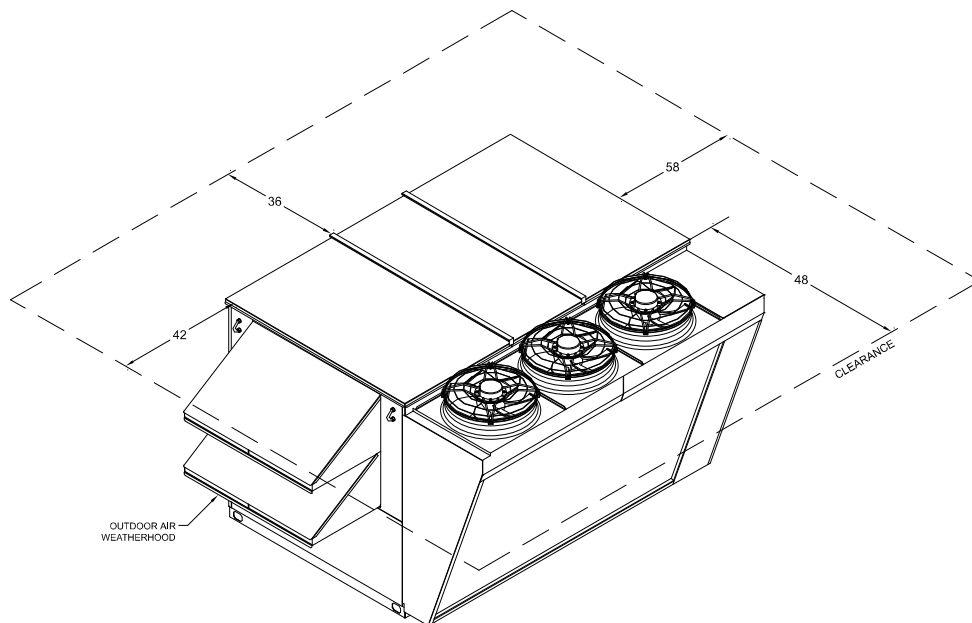
Elevation

Right End

ISOMETRIC DRAWINGS

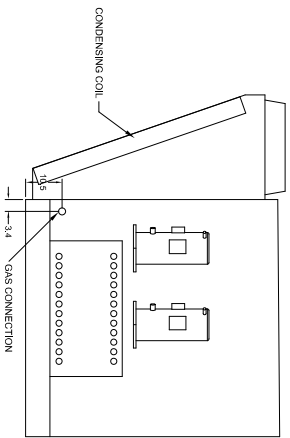
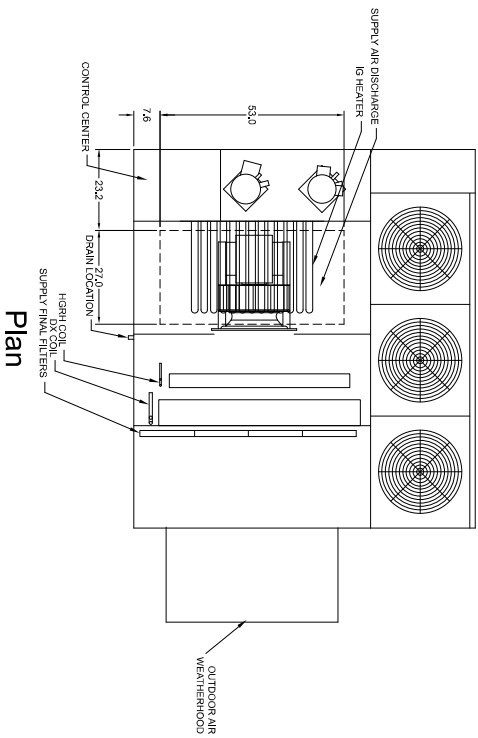


Back Right Isometric

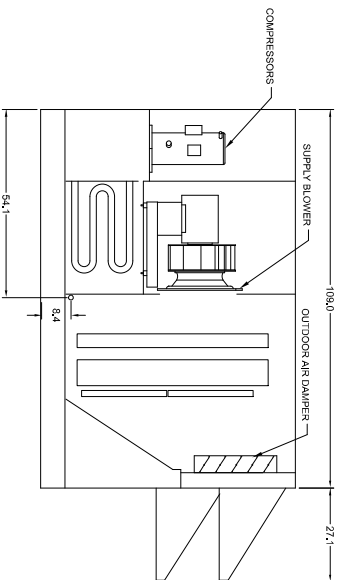


Front Left Isometric

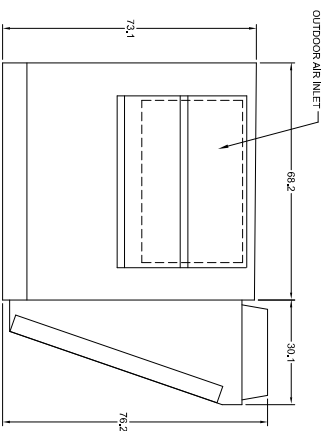
OVERVIEW DRAWINGS



Left End



Elevation



Right End

2. EXTERNAL DIMENSIONS

PURY-P72,96TKMU-A(-BS)

Unit : mm(in.)

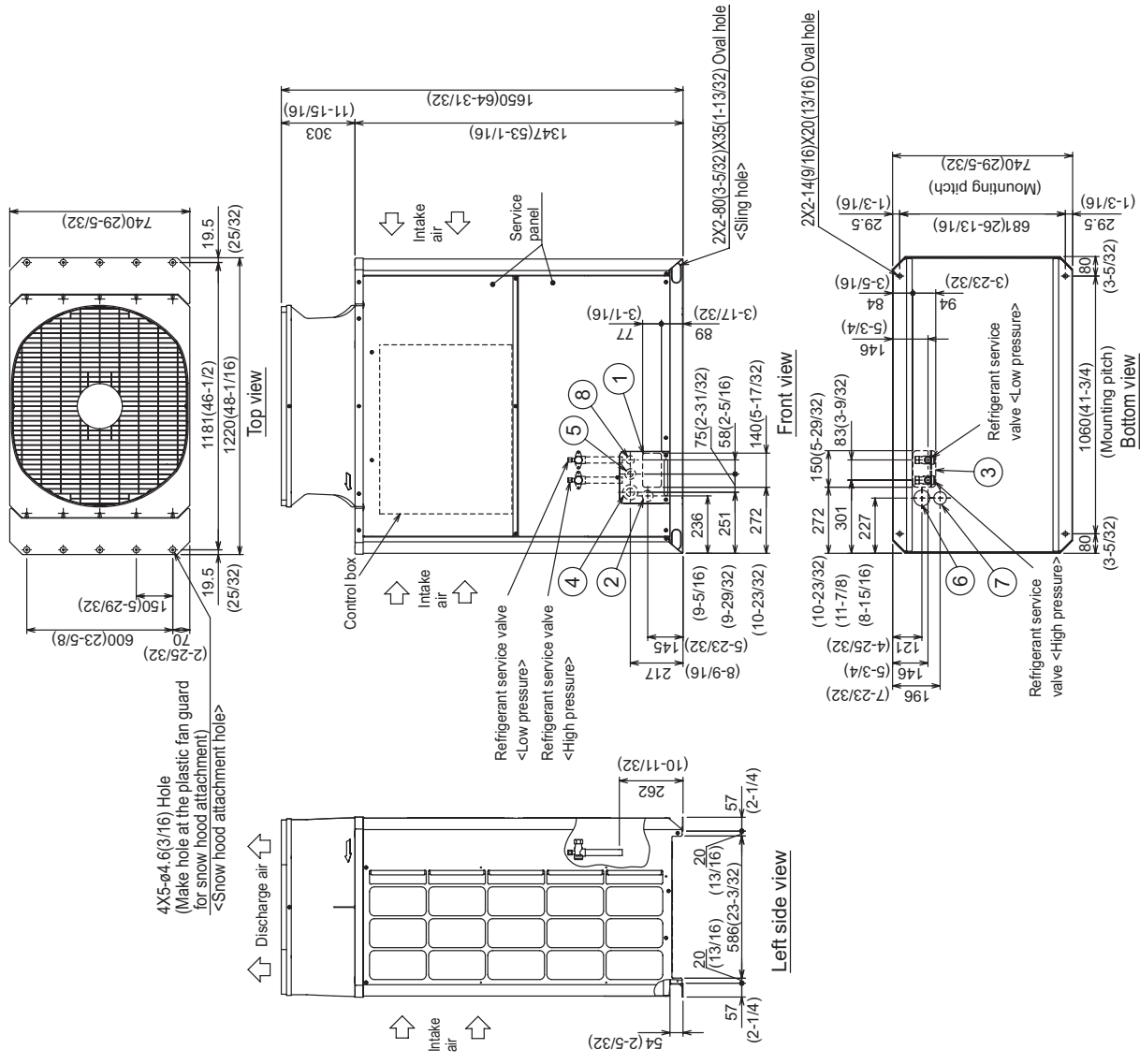
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PURY-P72TKMU	ø15.88 Brazed (5/8) *1	ø19.05 Brazed (3/4) *1	ø25.4 (1)	ø25.4 (1)
PURY-P96TKMU	ø19.05 Brazed (3/4) *1	ø22.2 Brazed (7/8) *1	ø25.4 (1)	ø25.4 (1)

*1 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole (5-17/32) (3-1/16)
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③	Bottom through hole	150 x 84 Knockout hole (5-29/32) (3-23/32)
④	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
⑤	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/16)
⑥	Bottom through hole	ø65 Knockout hole (2-9/16)
⑦	Bottom through hole	ø52 Knockout hole (2-1/16)
⑧	Front through hole	ø34 Knockout hole (1-11/32)



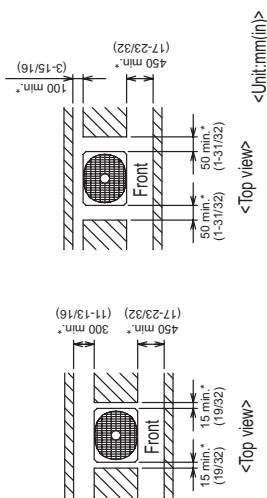
2. EXTERNAL DIMENSIONS

PURY-P72,96TKMU-A(-BS)

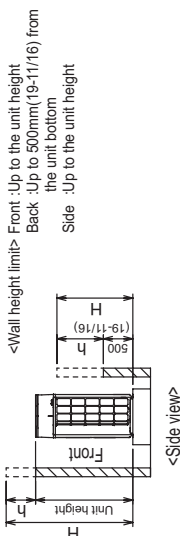
1. Required space around the unit

● In case of single installation

- Secure enough space around the unit as shown in the figure below.
- With a space of at least 300mm(11-13/16) to the wall on the back of the unit



- When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



2. Foundation work

- Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site. <Note that the drain water comes out of the unit during operation.>
- Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure.(Fig.A)
When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.
- The protrusion length of the anchor bolt must not exceed 30mm(1-3/16).(Fig.A)
- Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts.(Fig.B)
- To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>
- When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.
- Refer to the Installation Manual when installing units on an installation base.

● In case of collective installation

- When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- At least two sides must be left open.
- As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- If there is a wall at both the front and the rear of the unit, install up to six units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each six units.

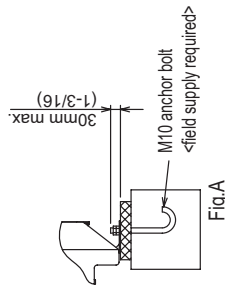
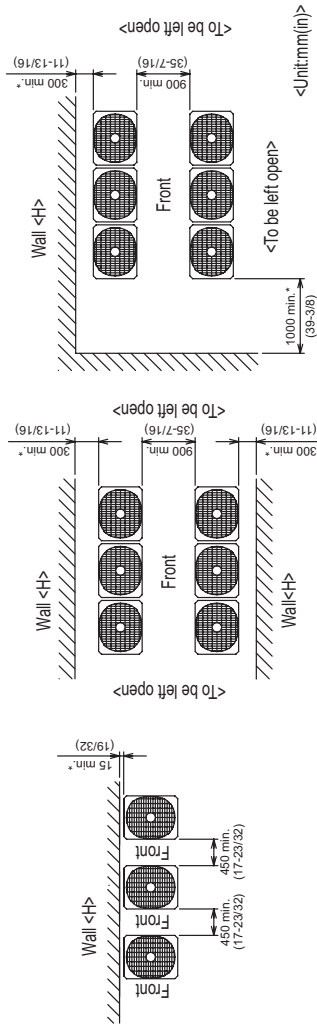
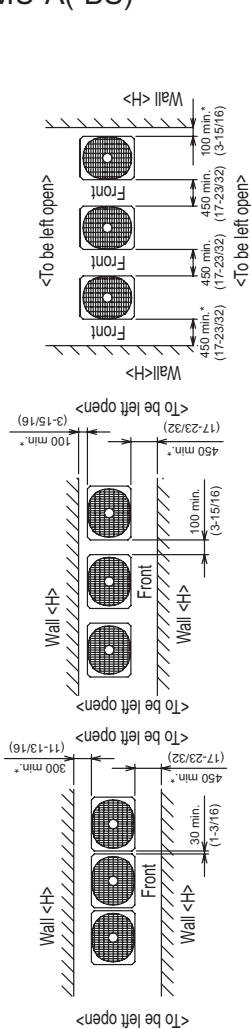


Fig.A

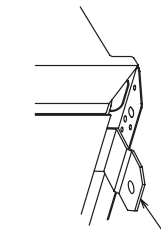


Fig.B

Unit : mm(in.)

2. EXTERNAL DIMENSIONS

PURY-P120,144TKMU-A(-BS)

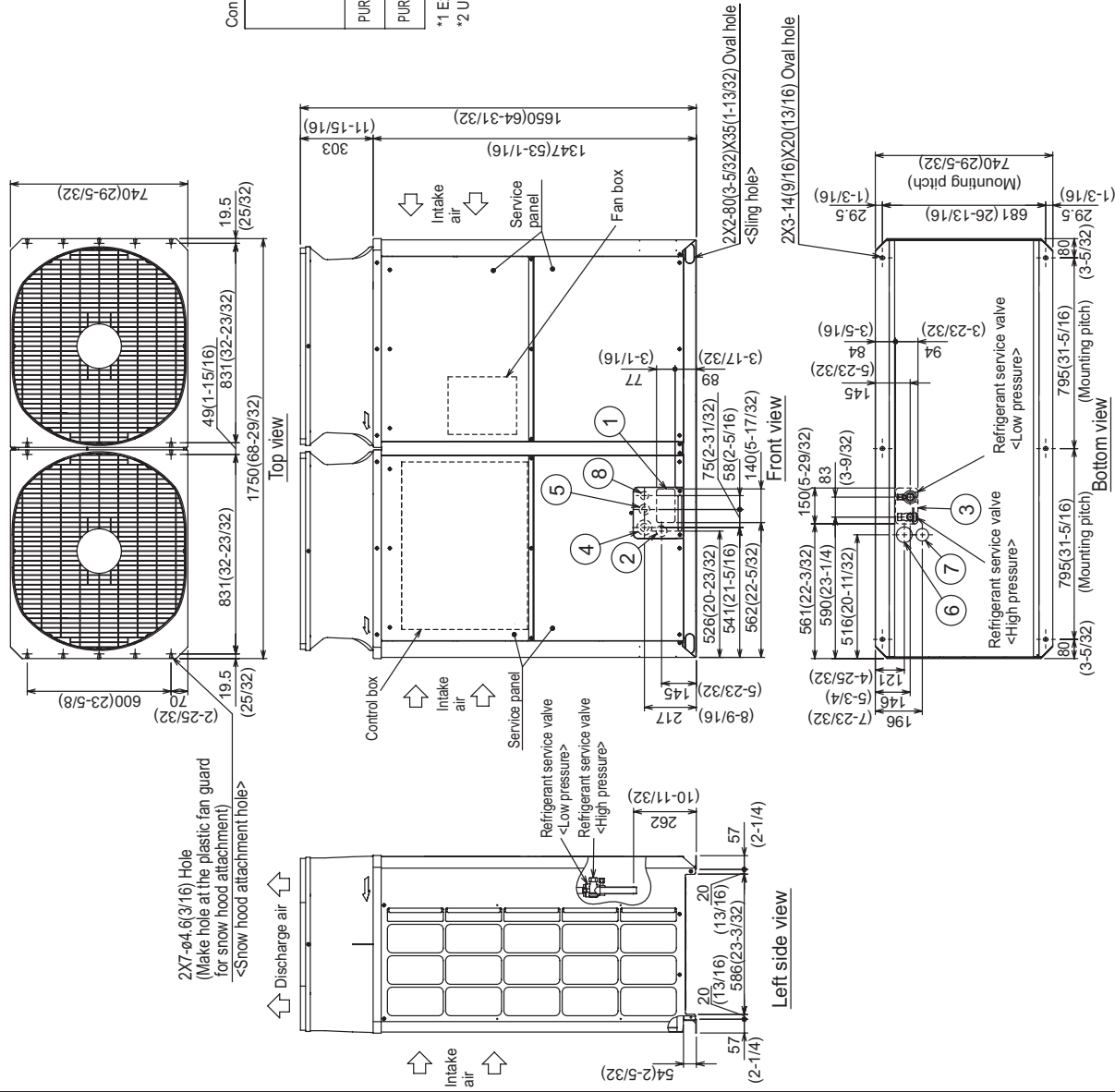
Unit : mm(in.)

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Model	Connecting pipe specifications			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PURY-P120TKMU	ø19.05 Braze (3/4) *2	ø28.58 Braze (1-1/8) *1	ø25.4 (1)	ø28.58 (1-1/8)
PURY-P144TKMU	ø22.2 Braze (7/8) *2	ø28.58 Braze (1-1/8) *1	ø25.4 (1)	ø28.58 (1-1/8)

*1 Expand the on-site piping and connect to the refrigerant service valve piping.
 *2 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole (5-17/32)(3-17/16)
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③	Bottom through hole	150 x 94 Knockout hole (5-29/32)(3-23/32)
④	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32)(1-3/8)
⑤	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4)(7/8)
⑥	Bottom through hole	ø65 Knockout hole (2-9/16)
⑦	Bottom through hole	ø62 Knockout hole (2-1/16)
⑧	Front through hole	ø34 Knockout hole (1-11/32)



2. EXTERNAL DIMENSIONS

PURY-P120,144TKMU-A(-BS)

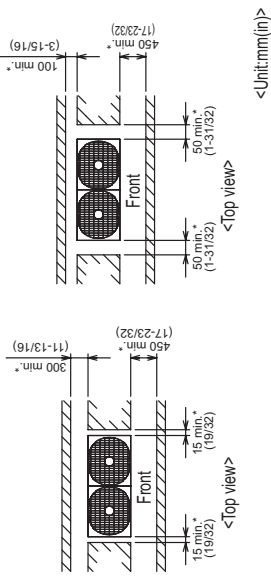
Unit : mm(in.)

1. Required space around the unit

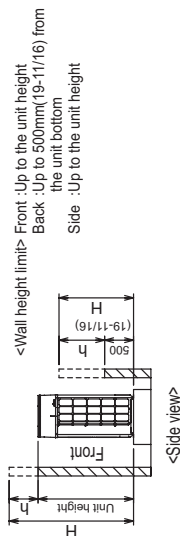
● In case of single installation

① Secure enough space around the unit as shown in the figure below.

· With a space of at least 300mm(11-13/16) to the wall on the back of the unit



② When the height of the walls on the front, back or on the sides <H> exceeds the wall height limit as defined below add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.



2. Foundation work

① Take into consideration the surface strength, water drainage route, piping route, and wiring route when preparing the installation site.

<Note that the drain water comes out of the unit during operation.>

② Build the foundation in such way that the corner of the installation leg is securely supported as shown in the right figure. (Fig.A)

When using a rubber isolating cushion, please ensure it is large enough to cover the entire width of each of the unit's legs.

③ The protrusion length of the anchor bolt must not exceed 30mm(1-3/16). (Fig.A)

④ Use four fixing plates as shown in the right figure <field supply required> when using post-installed anchor bolts. (Fig.B)

⑤ To prevent small animals and water and snow from entering the unit and damaging its parts, close the gap around the edges of through holes for pipes and wires with filler plates <field supply required>.

⑥ When the pipes or cables are routed at the bottom of the unit, make sure that the through hole at the base of the unit does not get blocked with the installation base.

⑦ Refer to the Installation Manual when installing units on an installation base.

● In case of collective installation

- ① When multiple units are installed adjacent to each other, secure enough space to allow for air circulation and walkway between groups of units as shown in the figures below.
- ② At least two sides must be left open.
- ③ As with the single installation, add the height that exceeds the height limit <h> to the figures that are marked with an asterisk.
- ④ If there is a wall at both the front and the rear of the unit, install up to three units consecutively in the side direction and provide a space of 1000mm or more as inlet space/ passage space for each three units.

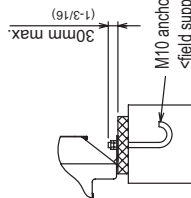
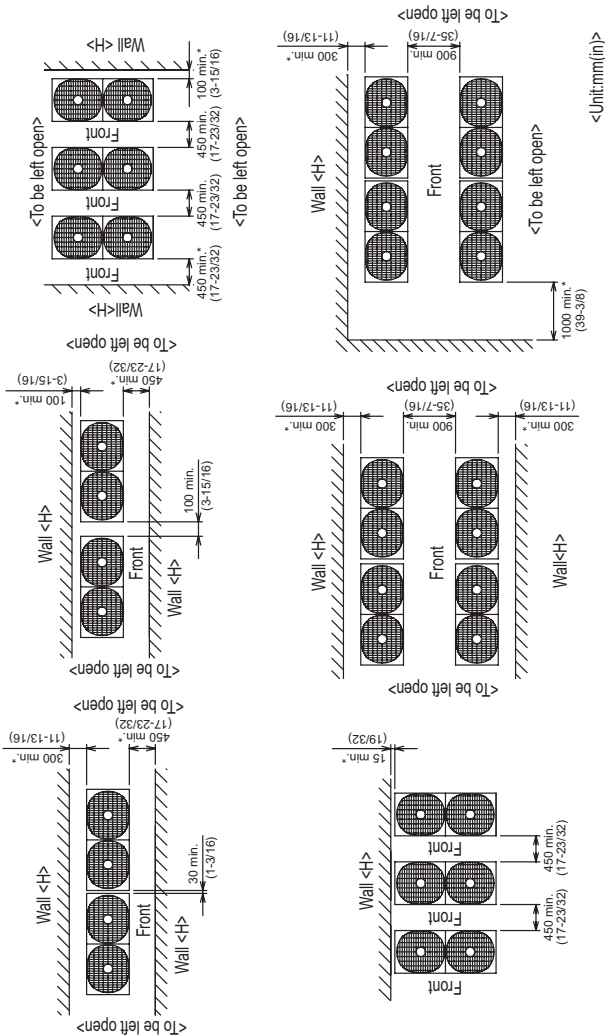


Fig.A

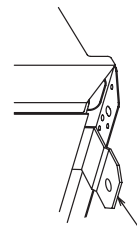
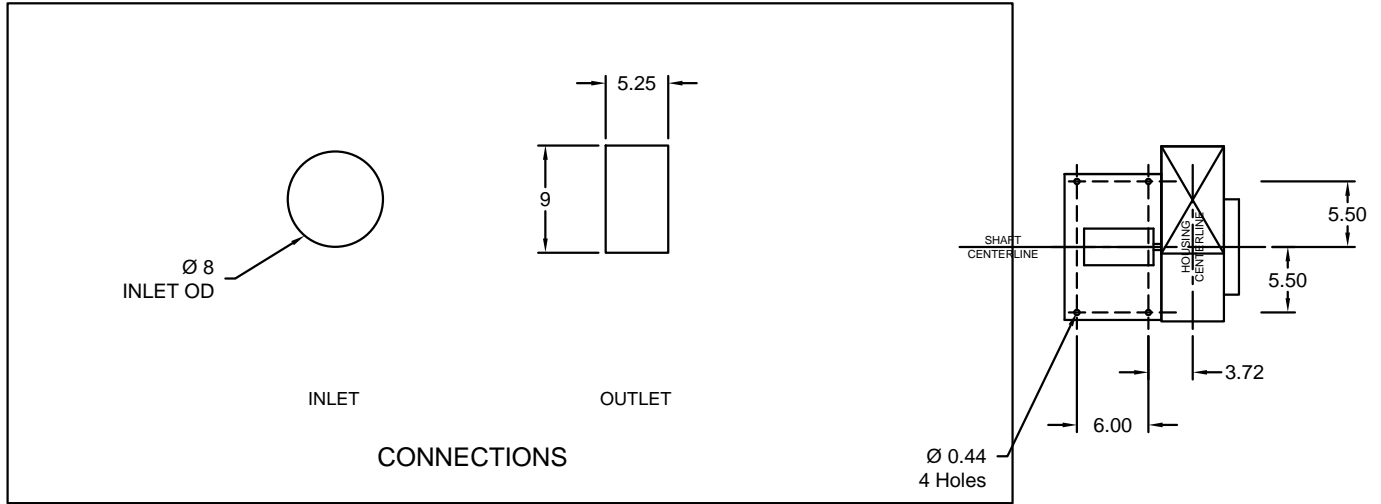


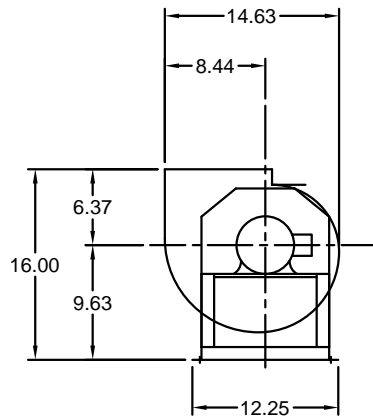
Fig.B

SFD-7.5-A

Direct Drive Centrifugal Blower

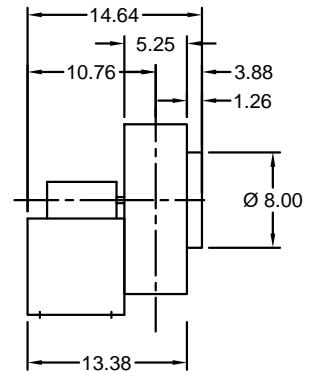


FAN FOOTPRINT



SIDE VIEW

*SIDE VIEW IS VIEWED FROM DRIVE SIDE



END VIEW

Notes: All dimensions shown are in units of in.