



THE PARKER APARTMENTS

PROJECT ADDRESS
1415 NW 12TH AVENUE
PORTLAND, OREGON 97209

LAND USE REVIEW SUBMITTAL
LU 12-112033 DZM
JUNE 15, 2012



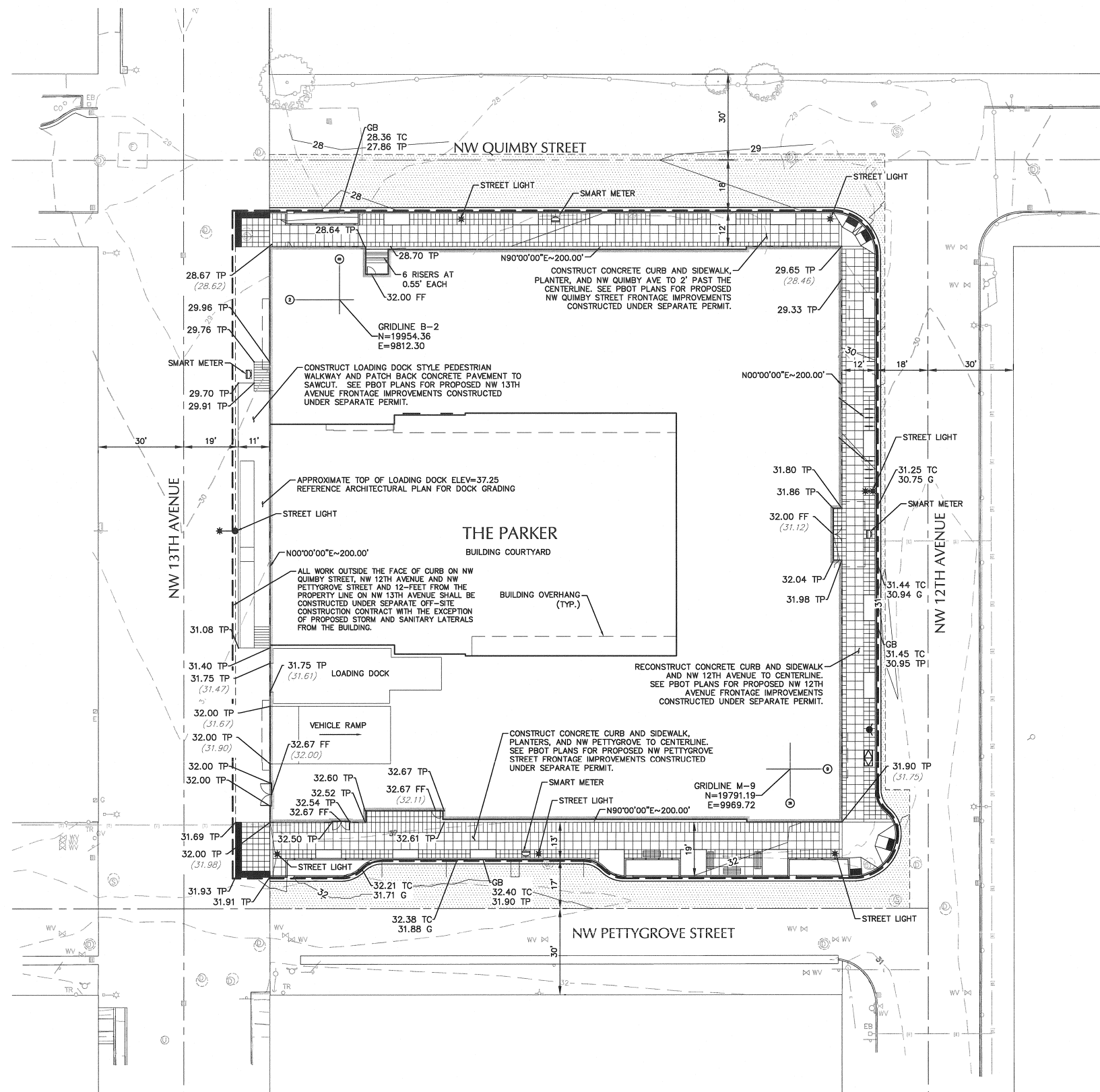
PROJECT TEAM

OWNER

ASTOR PACIFIC LLC
1500 NW 18TH AVE
SUITE 111
PORTLAND, OR 97209
PHONE: 503-223-2255
CONTACT: ROBERT BALL

ARCHITECT

FFA ARCHITECTURE + INTERIORS, INC.
520 SW YAMHILL ST, SUITE 900
PORTLAND, OR 97204
PHONE: 503-222-1661
FAX: 503-222-1701
CONTACT: PHILLIP CHUBB

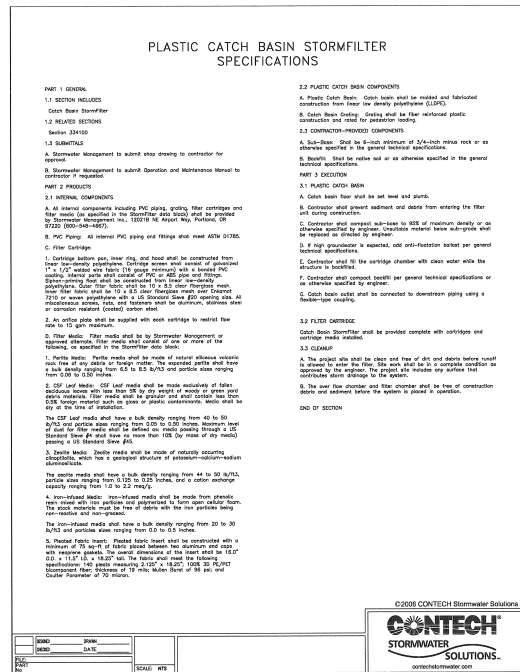








SHEET LEGEND

TP = PROPOSED ELEVATION AT TOP OF PAVEMENT
 G = PROPOSED ELEVATION AT GUTTER
 TC = PROPOSED ELEVATION AT TOP OF CURB
 FF = PROPOSED FINISH FLOOR ELEVATION
 (XX.XX) = EXISTING GRADE ELEVATION

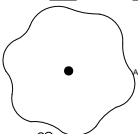

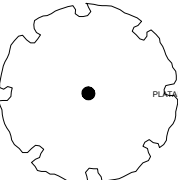



SHEET NOTES

1. LOCATION OF STREET SIGNS, STREET LIGHTS, AND STREET TREES ALONG WITH FINAL DESIGN AND GRADING OF RIGHT OF WAY SHALL BE DETERMINED DURING CITY OF PORTLAND DEPARTMENT OF TRANSPORTATION FRONTAGE IMPROVEMENT PERMIT PROCESS.
2. ALL FRONTAGE AND UTILITY IMPROVEMENTS IN THE RIGHT OF WAY SHALL BE CONSTRUCTED UNDER SEPARATE PUBLIC WORKS PERMIT. SEE PBOT JOB NO. 1D5143 AND BES JOB NO. EP9302.

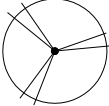









     	<p>CONNECT TREATED STORMWATER FROM COURTYARD FLOW-THROUGH PLANTERS. SEE PLUMBING PLANS FOR CONTINUATION.</p> <p>CONNECTED UNTREATED STORMWATER FROM COURTYARD TO STORM FILTER. SEE PLUMBING PLANS FOR CONTINUATION.</p> <p>CONNECT SEWER TO WASTE LINE. SIZE AND IE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION.</p> <p>CONNECT DOMESTIC WATER SYSTEM TO PROPOSED WATER SERVICE. SEE PLUMBING PLANS FOR CONTINUATION AND BACKFLOW ASSEMBLY INSIDE THE BUILDING.</p> <p>CONNECT WATER SYSTEM TO PROPOSED FIRE PROTECTION SERVICE. SEE PLUMBING PLANS FOR CONTINUATION AND DOUBBLE DETECTOR CHECK ASSEMBLY INSIDE THE BUILDING.</p> <p>CONTRACTOR SHALL COORDINATE INSTALLATION OF GAS SERVICE AND METER WITH NATURAL GAS. SEE PLUMBING PLANS FOR CONTINUATION.</p>
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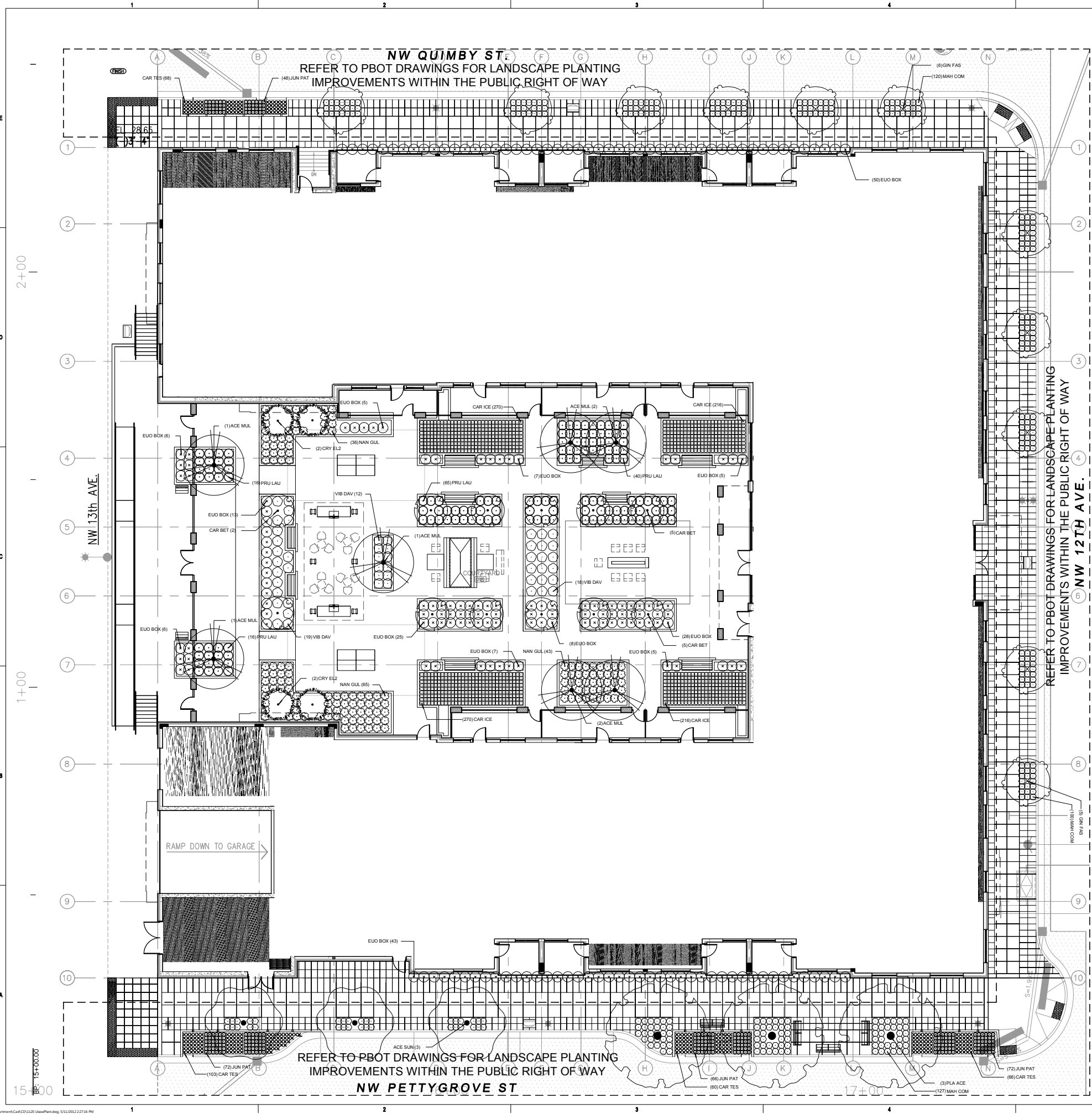
PLANT SCHEDULE PUBLIC RIGHT OF WAY

TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	QTY
	ACER RUBRUM 'RED SUNSET' / RED SUNSET MAPLE	B & B	4" CAL	3
	GINKGO BILOBA 'FASTIGIATA' / FASTIGIATE MAIDENHAIR TREE	B & B	3" CAL	11
	PLATANUS X ACERIFOLIA / LONDON PLANE TREE	B & B	4" CAL	3
SHRUBS	BOTANICAL NAME / COMMON NAME	CONT	QTY	
	CAREX TESTACEA / BROWN SEDGE	1 GAL	297	
	JUNCUS PATENS / CALIFORNIA GRAY RUSH	5 GAL	298	
	MAHONIA AQUIFOLIUM 'COMPACTA' / COMPACT OREGON GRAPE	5 GAL	347	

PLANT SCHEDULE ONSITE

TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	ACER PALMATUM / MULTI-TRUNK JAPANESE MAPLE	B & B	2" CAL	12-15' H	7
	CARPINUS BETULUS 'FASTIGIATA' / PYRAMIDAL EUROPEAN HORNBEAN	B & B	2.5" CAL	12-15' H	12
	CRYPTOMERIA JAPONICA 'ELEGANS' / JAPANESE CEDAR	B & B		6' HGT.	4
SHRUBS	BOTANICAL NAME / COMMON NAME	CONT			QTY
	CAREX MORROWII 'ICE DANCE' / ICE DANCE JAPANESE SEDGE	1 GAL @ 1" OC			972
	EUONYMUS JAPONICUS 'MICROPHYLLA' / BOXLEAF EUONYMUS	3 GAL			208
	NANDINA DOMESTICA 'GULF STREAM' TM / HEAVENLY BAMBOO	3 GAL			144
	PRUNUS LAUROCERASUS 'MOUNT VERNON' / MOUNT VERNON LAUREL	3 GAL			137
	VIBURNUM DAVIDII / DAVID VIBURNUM	5 GAL			49

The Parker Apartments
LU 12-112033 DZM - June 15, 2012



FFA
Architecture
+ Interiors
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REGISTERED
LANDSCAPE ARCHITECT
OREGON
Shapiro Didway

SHAPIRO DIDWAY
LANDSCAPE ARCHITECTURE
1204 SE WATER AVE. PORTLAND, OR 97214
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www.shapirodidway.com


ASTOR
PACIFIC LLC

MARK DATE DESCRIPTION

The Parker
Apartments
Astor Pacific, LLC

1415 NW 12th Ave.
Portland, OR 97209

APPROVED: ss

DRAWN: btd

DATE: 05/14/2012

PROJECT NUMBER: 1120

PLANTING PLAN

LP-501
CD's



Columnar Hornbeam



Red Sunset Maple



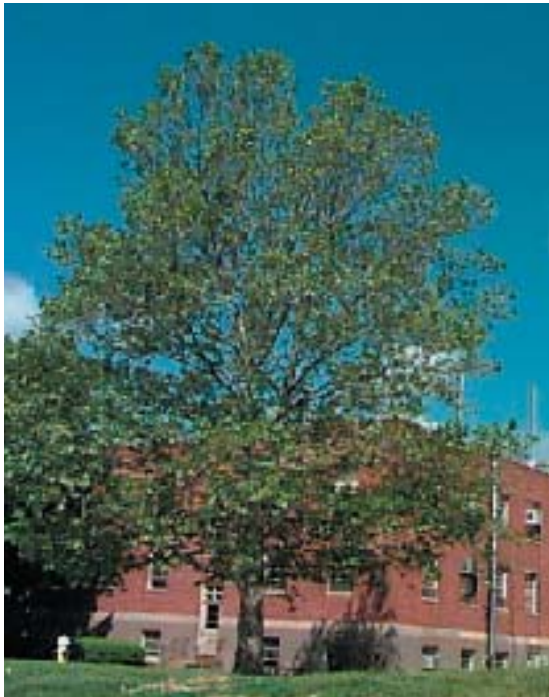
Japanese Maple



Japanese Cedar



Columnar Ginkgo



London Plane



Euyonomus



CA Gray Sedge



Brown Sedge



Mt. Vernon Laurel

David Viburnum





Carex Ice Dance



Dwarf Oregon Grape



Concrete Ping Pong Table



Decorative Metal Fencing



Dwarf Nandina



Type A - Acqua Bric 5x10

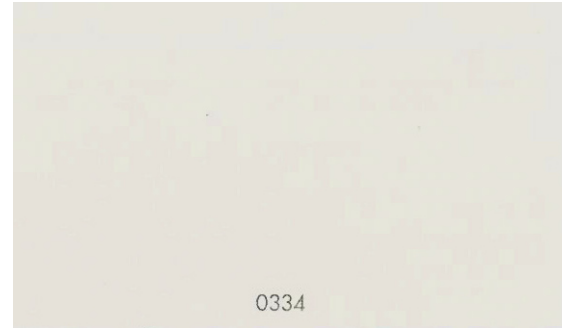


Type B - Acqua Bric 5x10



Bench - Timberform 3' and 6'

Sheet Metal Coping,
Entry Canopy Soffit:
White to Match Brick



Roof Membrane:
White Thermoplastic Polyolefin



Precast Medallions & Keystone

Fiber-Cement Spandrel Panels & Trim:
Charcoal



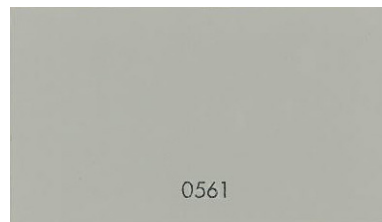
Metal Fencing & Guardrails: Black



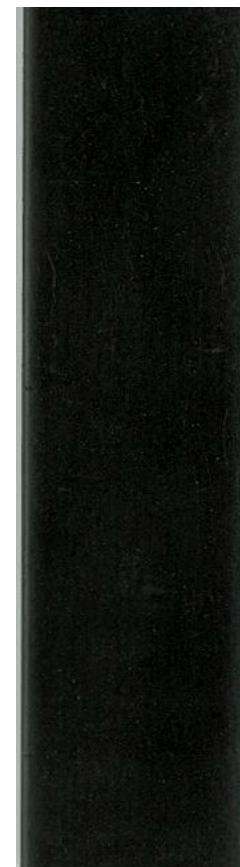
Brick Veneer: Mutual Materials,
Smooth White & Granite Blend



Stair & Elevator Penthouse:
Grey



Concrete Base



Vinyl Windows & Aluminum Storefront:
Black

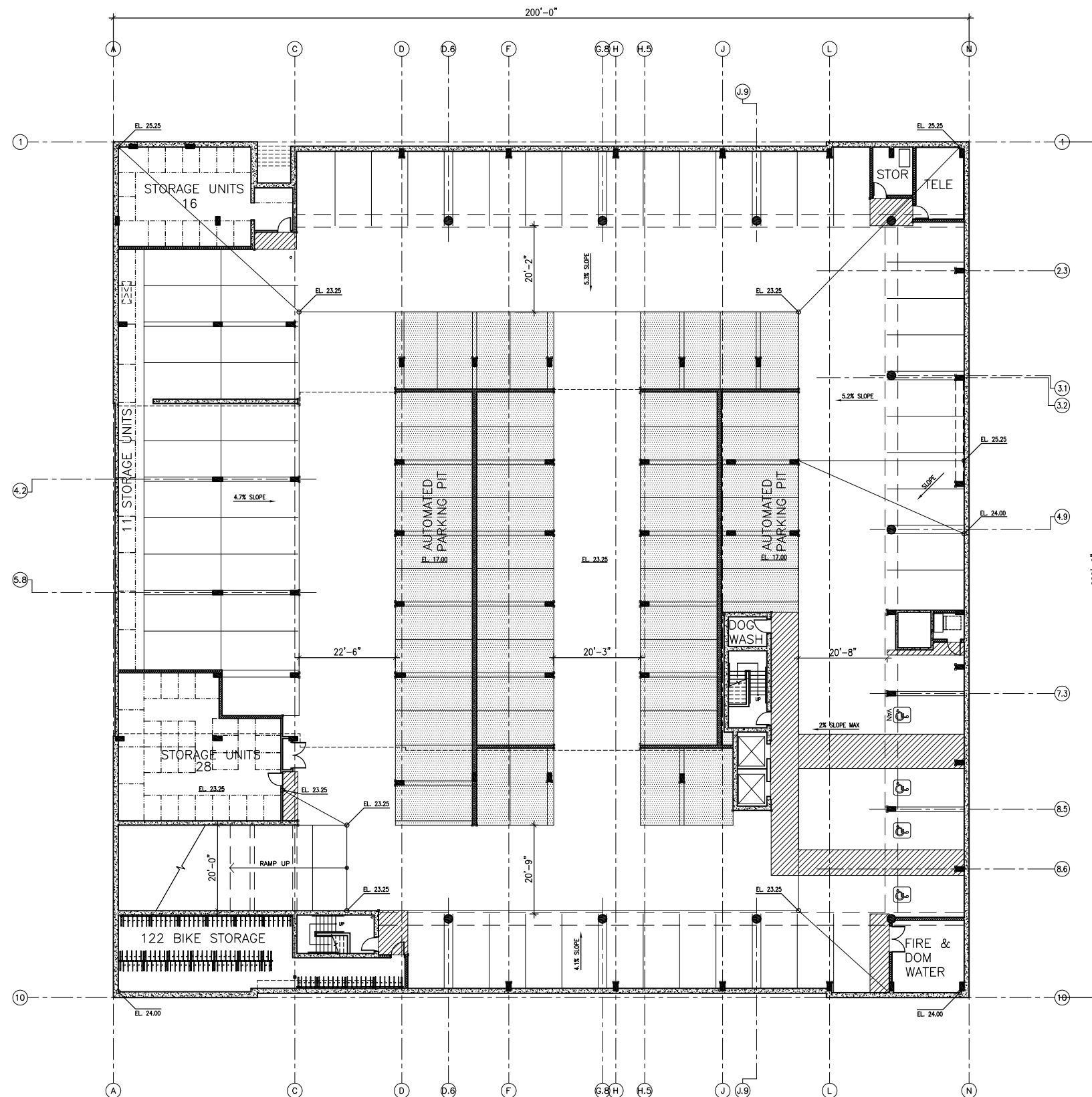


Glass Tile Panels:
Spa Green, Polished



Entry Canopy:
Stainless Steel

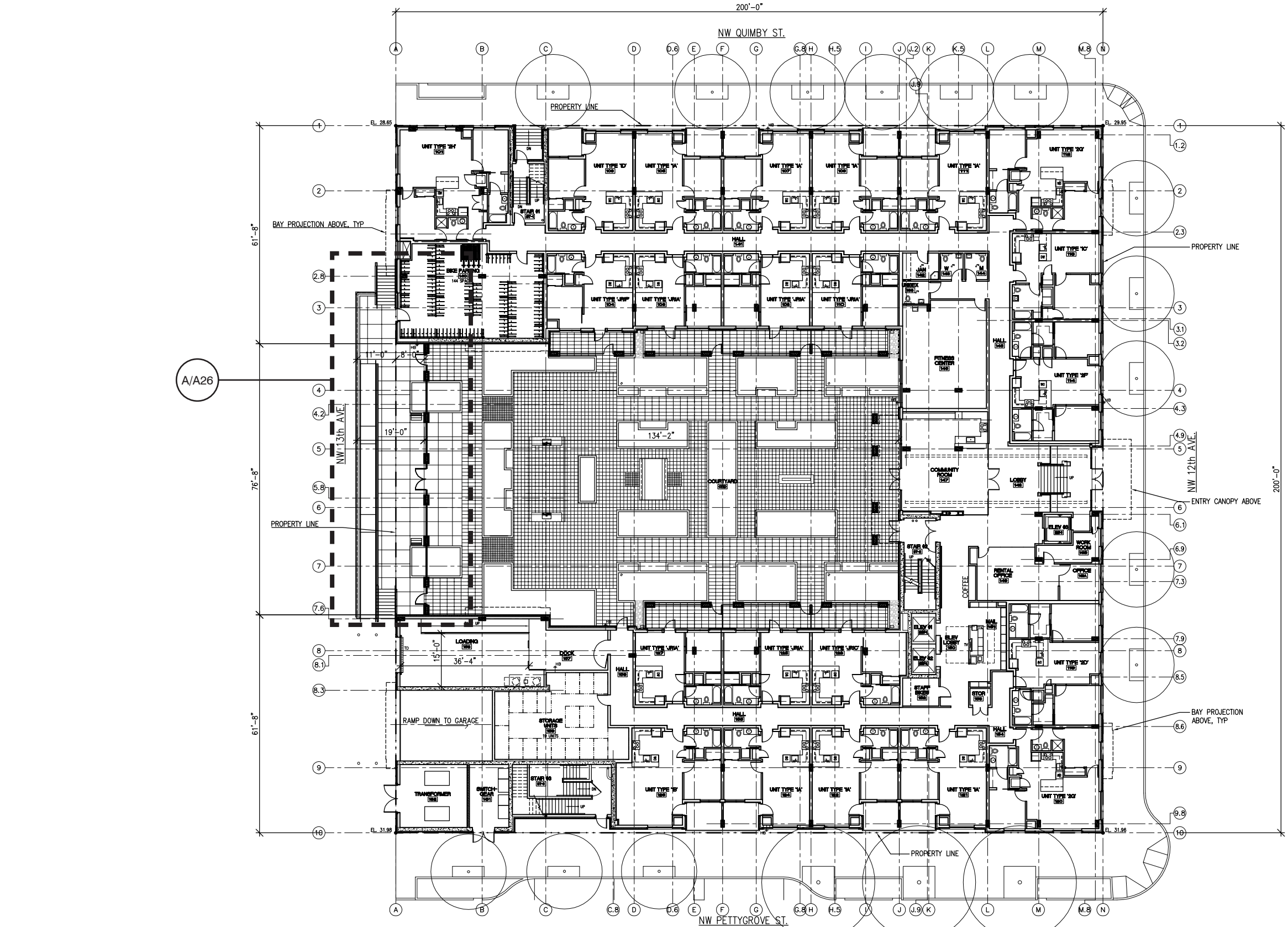




4 HC
22 TANDEM
39 STANDARD
100 AUTOMATED
165 CARS



SCALE: 1" = 30'-0"

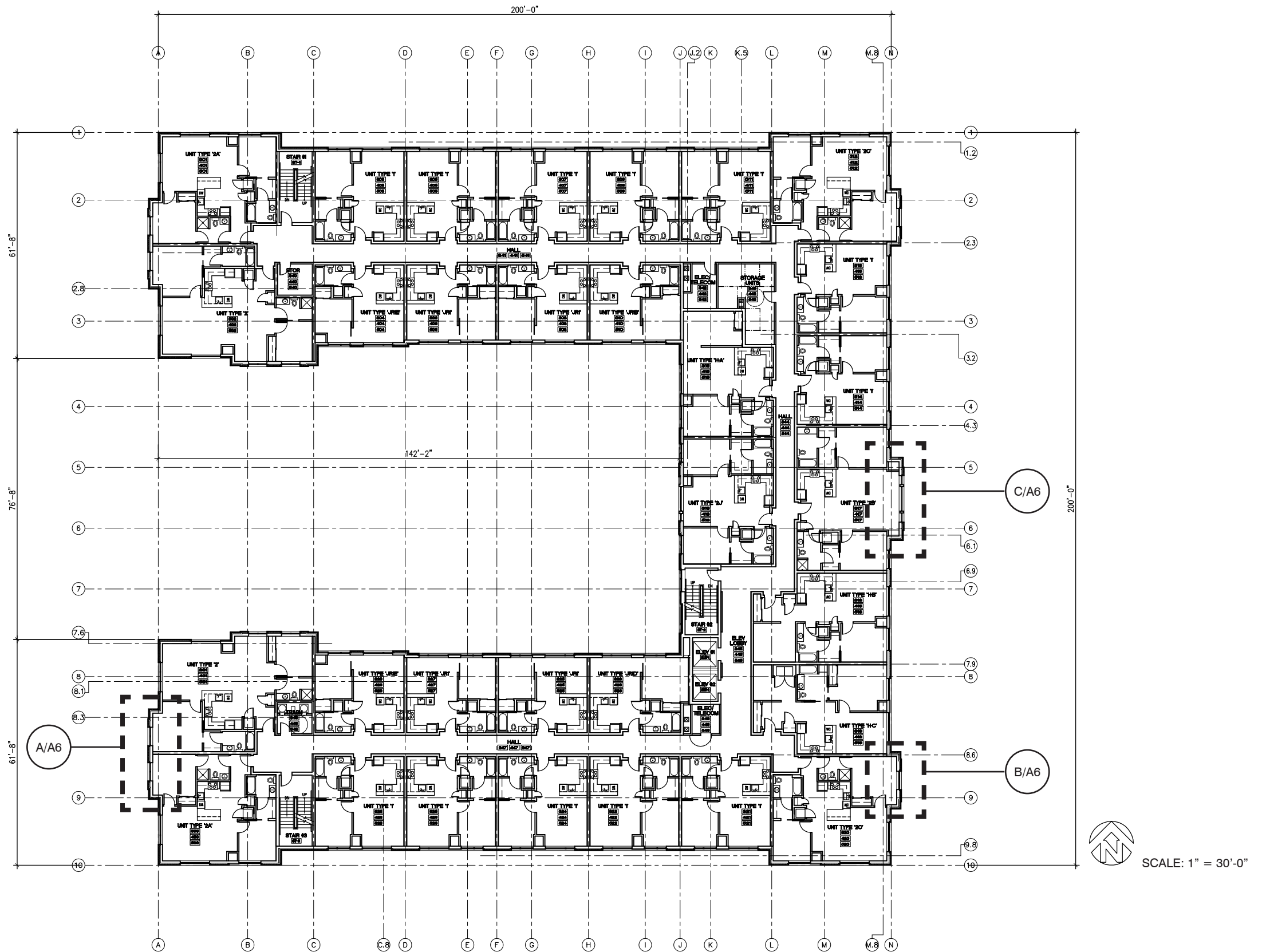


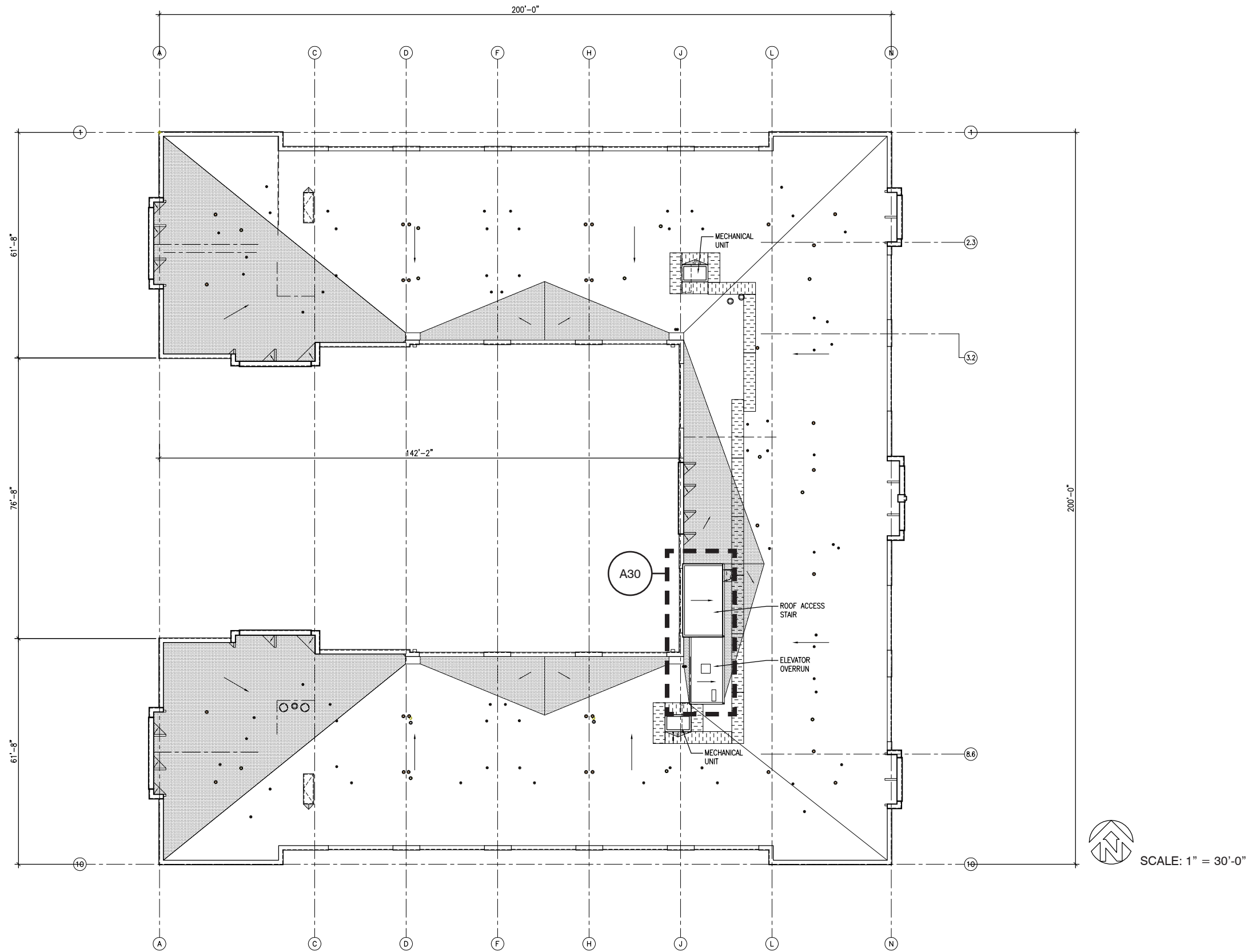
ZONING SUMMARY		TITLE 33 - PORTLAND ZONING CODE	
ZONE:	EX	CENTRAL CITY - RIVER DISTRICT, NORTH PEARL SUBAREA	
PLAN DISTRICT:	TYPE III, DESIGN OVERLAY	LU 12-112033 DZM	
LAND USE REVIEW (LUR):	6 : 1, ALLOWABLE FLOOR AREA IS 240,000 S.F.	100% ALLOWABLE	
LUR APPLICATION:	100% ALLOWABLE	100 FEET, ALLOWABLE	
F.A.R. (33.510.210):	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	NO MINIMUM REQ'D. 1.7 SPACES PER DWELLING UNIT MAXIMUM.	
BUILDING LOT COVERAGE (33.140.220):	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	LONG TERM - RESIDENTIAL, 1.5 PER UNIT - (266) REQUIRED	
HEIGHT (33.510.205):	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	LONG TERM - OFFICE, 2 OR 1 PER 10,000 S.F. - (2) REQUIRED	
SPECIAL HEIGHT REQUIRED (33.510.251):	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	SHORT TERM - RESIDENTIAL, 1.0 PER 20 UNITS - (9) REQ'D	
VEHICLE PARKING (33.510.265):	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	SHORT TERM - OFFICE, 2 OR 1 PER 40,000 S.F. - (2) REQ'D	
BICYCLE PARKING (33.266.210):	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	TOTAL LONG TERM SPACES - (266) REQUIRED	
	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	TOTAL SHORT TERM SPACES - (11) REQUIRED	
	75 FEET MAX. WITHIN 20 FEET OF NW 13TH AVE.	STANDARD A. (1) 35 FT. LONG, 10 FT. WIDE, 13 FT. CLEARANCE.	

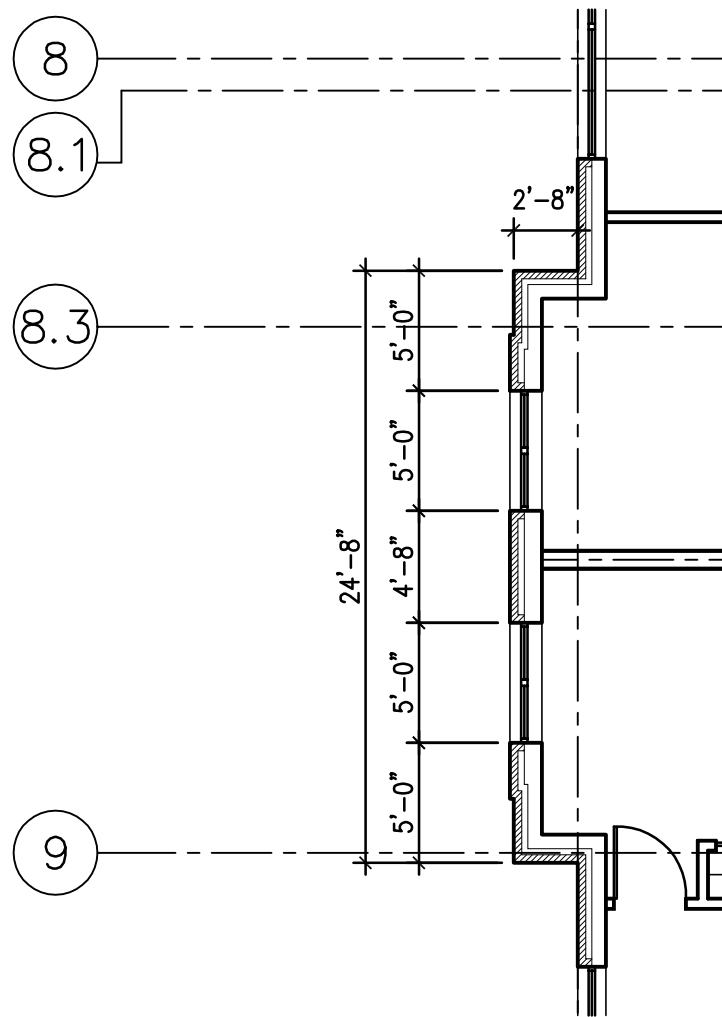
PROJECT AREAS, UNIT, PARKING, AND LOADING SUMMARY			
SITE AREA:	40,000 S.F., .92 ACRES	F.A.R. (EXCLUDES BASEMENT):	4 : 1
BASEMENT AREA:	39,667 GROSS S.F.	APARTMENT UNITS:	177
FIRST FLOOR AREA:	26,715 GROSS S.F.	PARKING STALLS:	165
SECOND FLOOR AREA:	27,645 GROSS S.F.	ADA PARKING STALLS:	4, (VAN INCL.)
THIRD FLOOR AREA:	27,724 GROSS S.F.	BIKE STALLS - LONG TERM:	268
FOURTH FLOOR AREA:	27,724 GROSS S.F.	BIKE STALLS - SHORT TERM:	BY BIKE FUND
FIFTH FLOOR AREA:	27,724 GROSS S.F.	LOADING STALL - STANDARD A:	1
SIXTH FLOOR AREA:	27,724 GROSS S.F.		
TOTAL BUILDING FLOOR AREA:	204,923 GROSS S.F.		

DWELLING UNIT TABULATION									
Unit Type	Net SF	Net SF/Type	Market Gross SF	Gross SF/Type	Floors	# of Units	x # Floors	Unit Type Totals	
JR1	491	9820	540	10800	2 thru 6	4	5	20	
JR1A	490	2450	540	2700	1	5	1	5	
JR1B	497	2485	547	2735	2 thru 6	1	5	5	
JR1C	522	522	576	576	1	1	1	1	
JR1D	528	2640	579	2895	2 thru 6	1	5	5	
JR1E	507	5070	557	5570	2 thru 6	2	5	10	
JR1F	506	506	557	557	1	1	1	1	
1	588	35280	640	38400	2 thru 6	12	5	60	
1A	580	4060	637	4459	1	7	1	7	
1B	684	684	748	748	1	1	1	1	
1C	587	587	640	640	1	1	1	1	
1D	572	572	628	628	1	1	1	1	
1+A	746	3730	806	4030	2 thru 6	1	5	5	
1+B	810	1620	873	1746	2	2	1	2	
1+B	810	3240	873	3492	3 thru 6	1	4	4	
1+C	810	3240	873	3492	3 thru 6	1	4	4	
2	1097	10970	1176	11760	2 thru 6	2	5	10	
2A	891	8910	961	9610	2 thru 6	2	5	10	
2B	1019	3057	1097	3291	3 thru 5	1	3	3	
2C	882	8820	951	9510	2 thru 6	2	5	10	
2D	848	848	917	917	1	1	1	1	
2E	951	951	1023	1023	2	1	1	1	
2F	816	816	894	894	1	1	1	1	
2G	845	1690	911	1822	1	2	1	2	
2H	920	920	985	985	1	1	1	1	
2J	830	4150	899	4495	2 thru 6	1	5	5	
2K	1018	1018	1097	1097	6	1	1	1	
Total Unit		Total Unit Market			Total # of				
Net SF		118,656 Gross SF			Units		177		
Total Parking Spaces: 165									

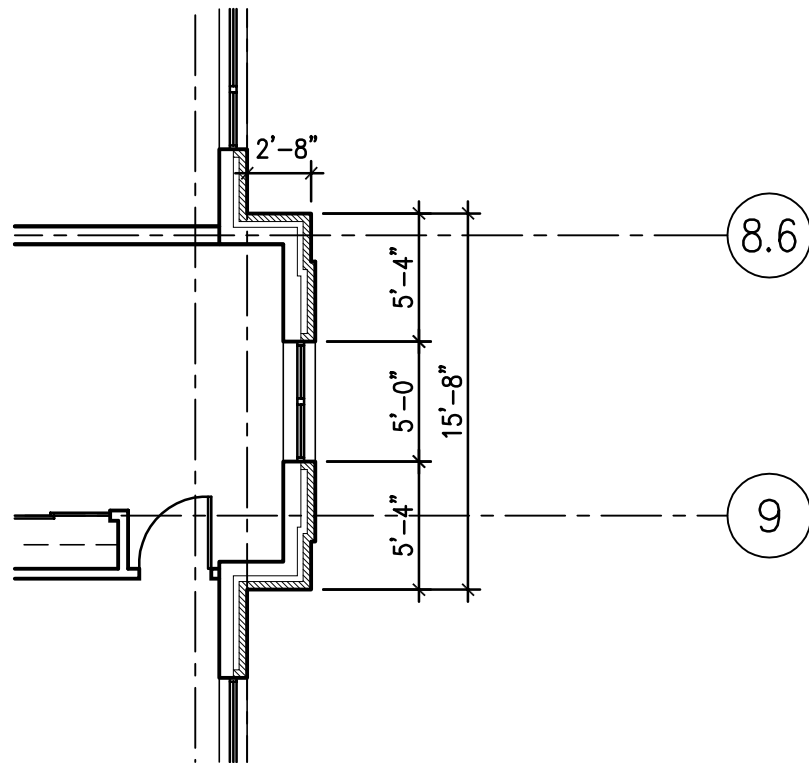




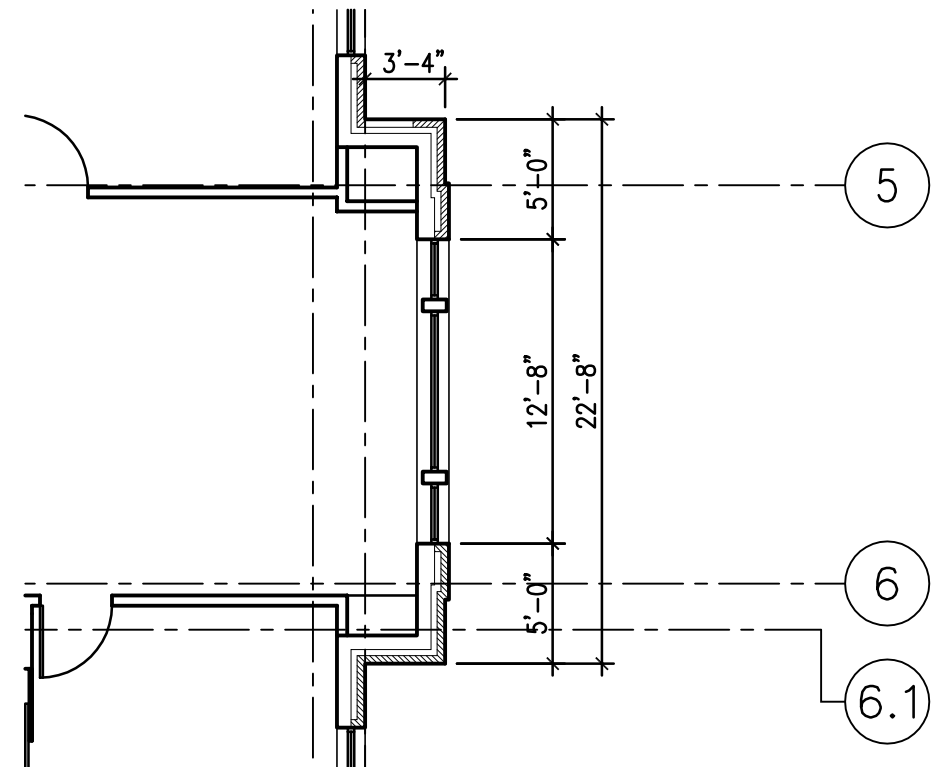




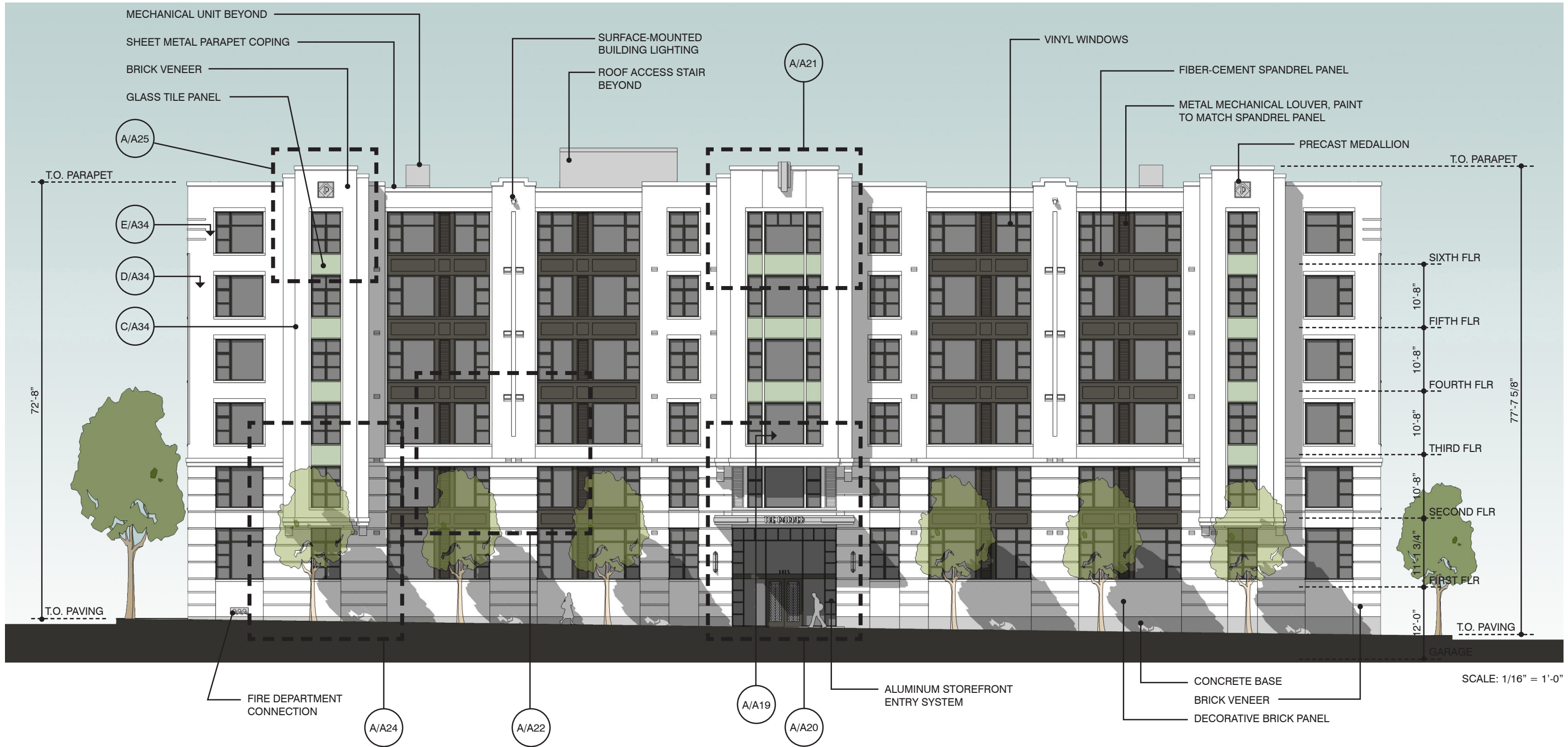
A PROJECTING BAY @ NW 13TH AVE
SCALE: 1/8" = 1'-0"

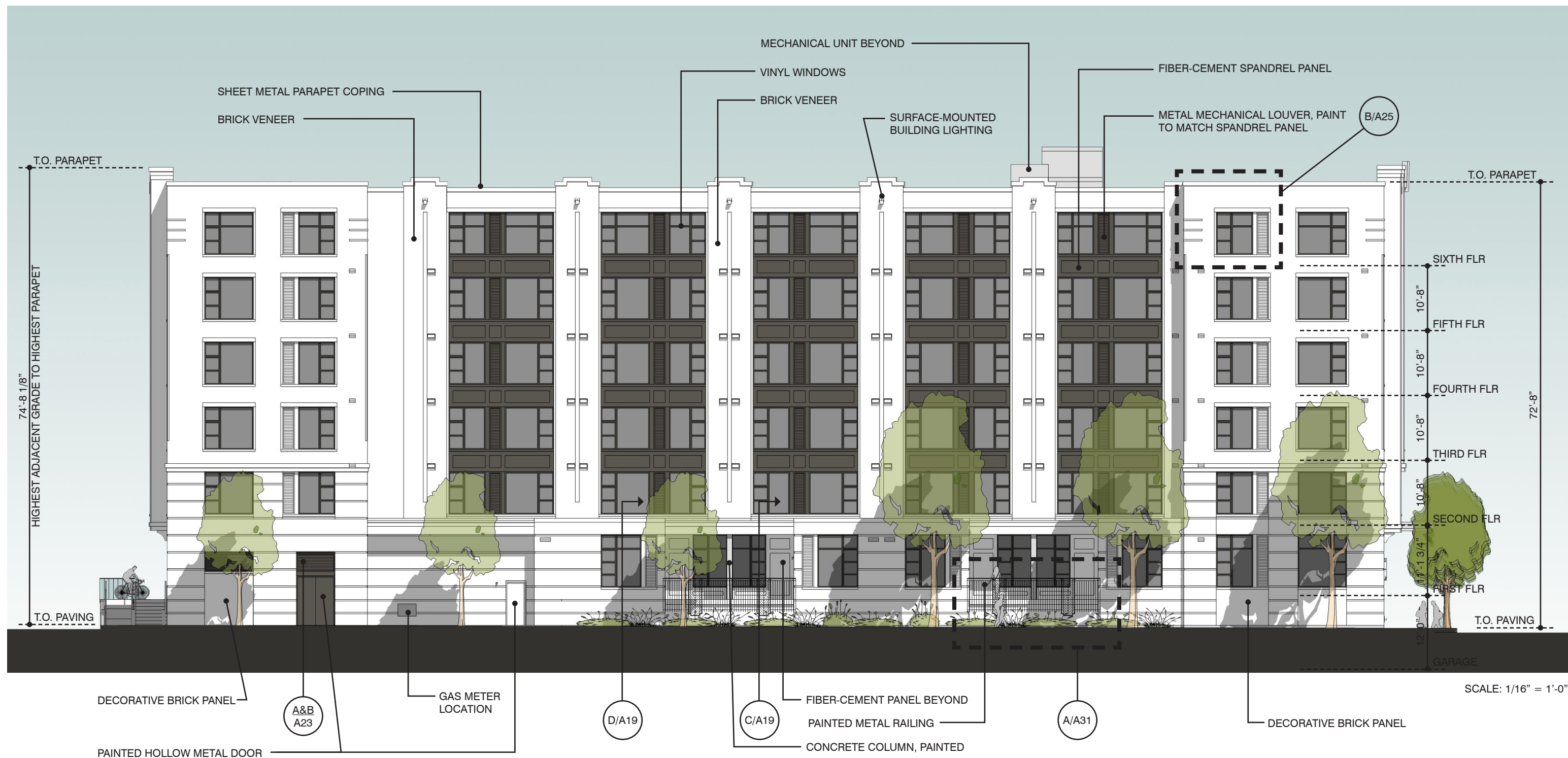


B PROJECTING BAY @ NW 12TH AVE
SCALE: 1/8" = 1'-0"



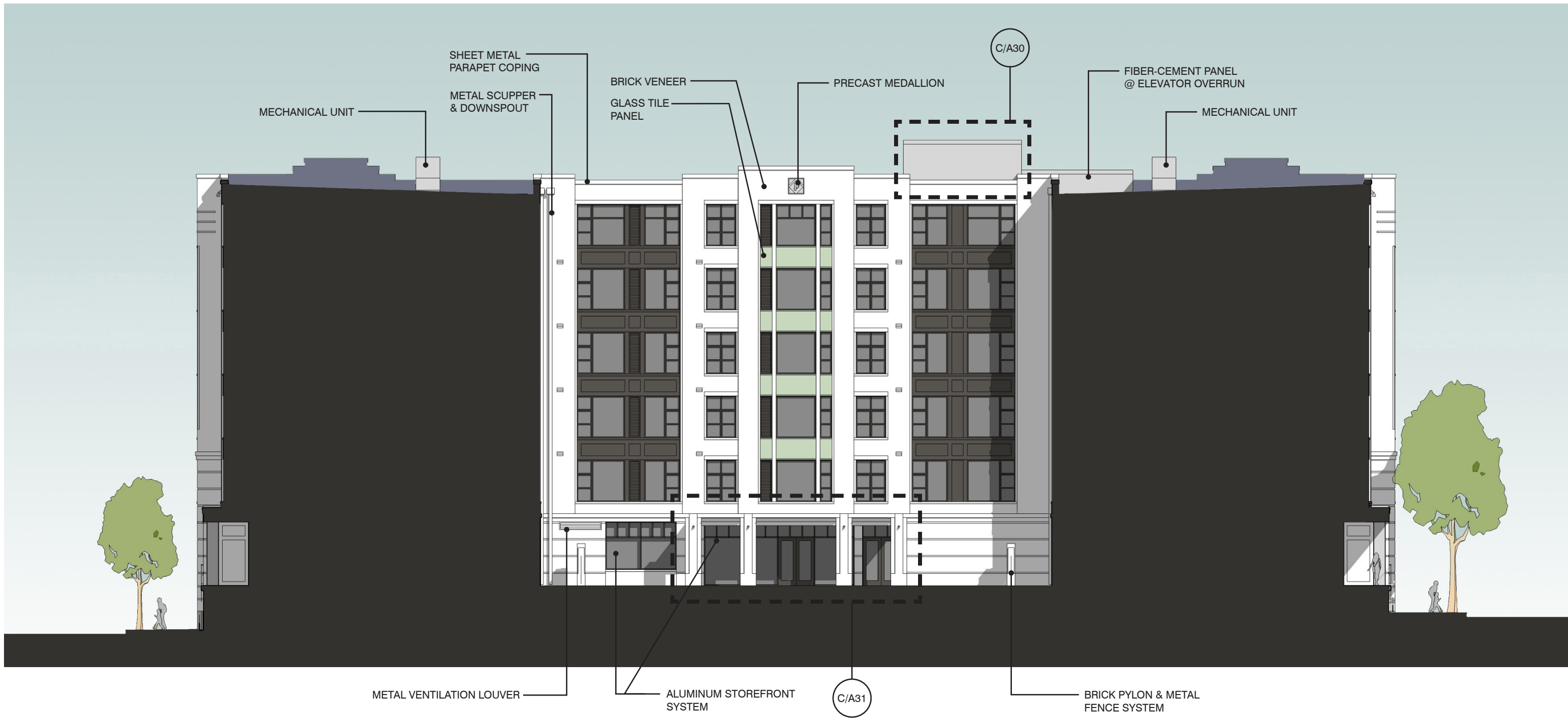
C PROJECTING BAY @ NW 12TH AVE
SCALE: 1/8" = 1'-0"





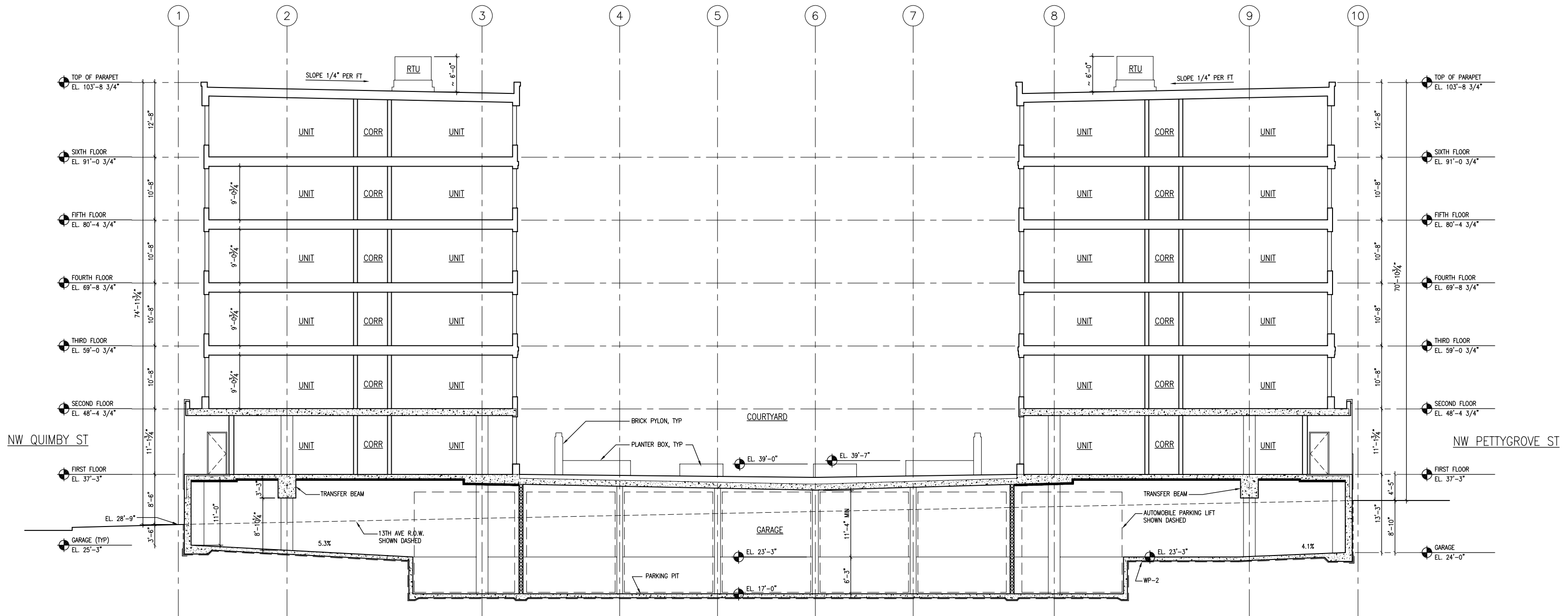




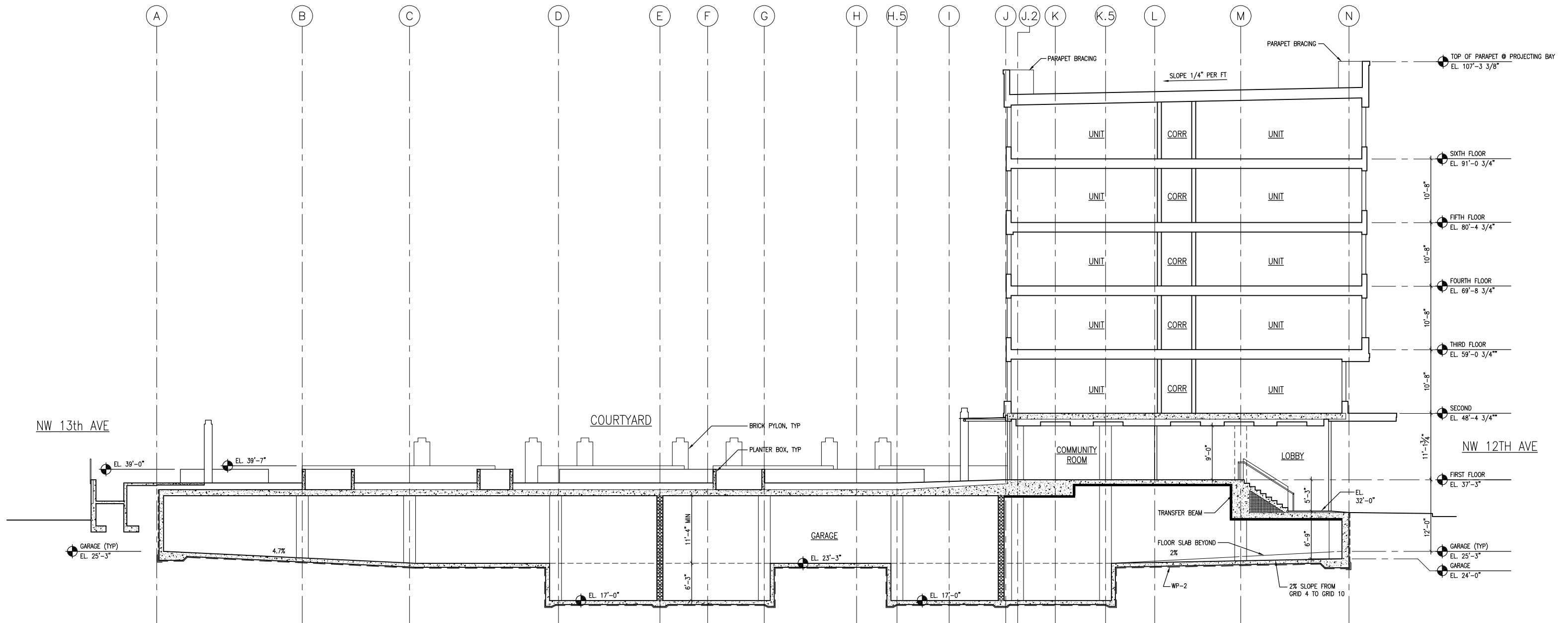








SCALE: 1/16" = 1'-0"



SCALE: 1/16" = 1'-0"



NW 12th and Quimby



Courtyard on NW 13th Ave.



Building Entry on NW 12th Avenue



NW Pettygrove Street



Loading Dock on NW 13th Avenue



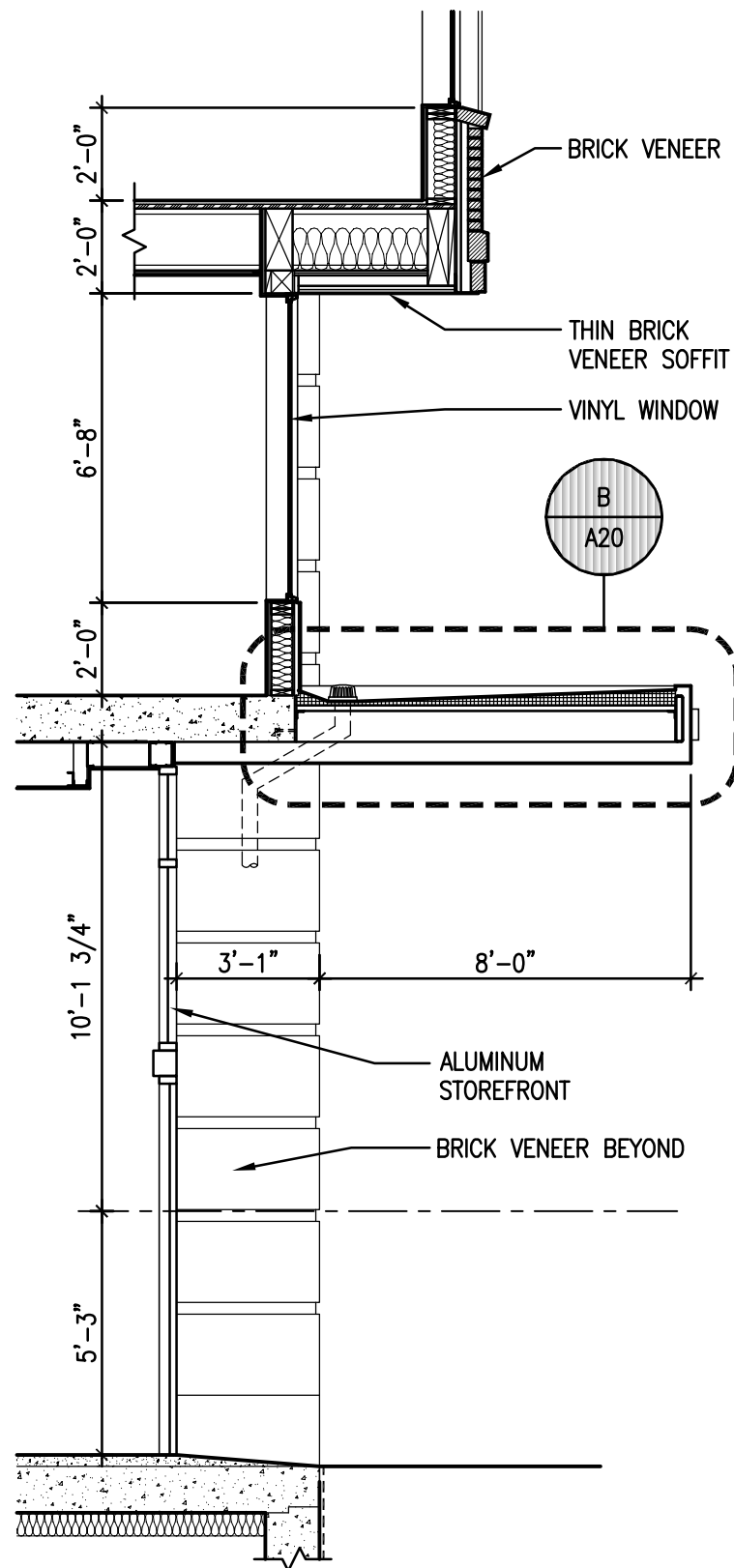
Courtyard Interior



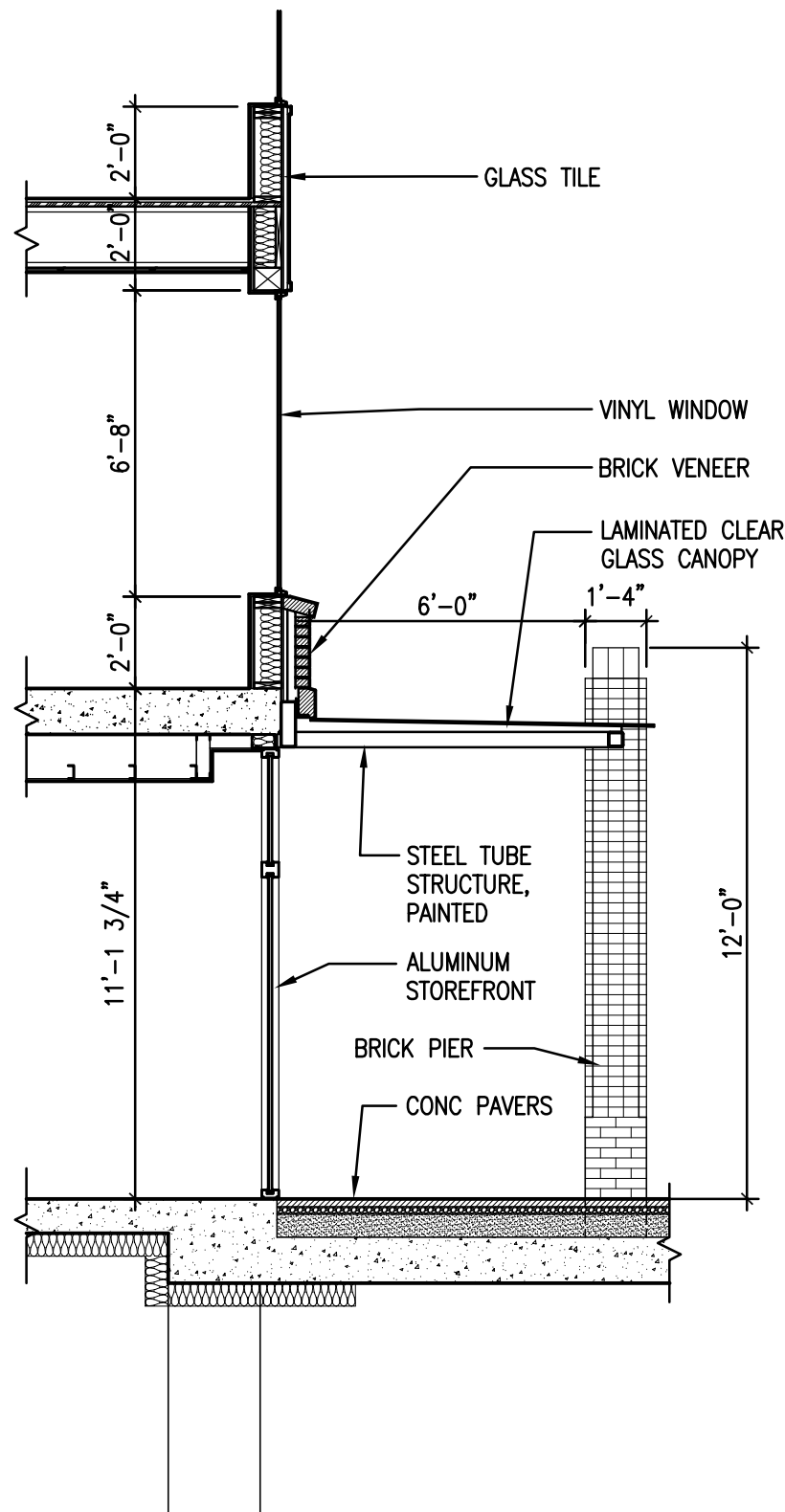
NW 13th and Quimby



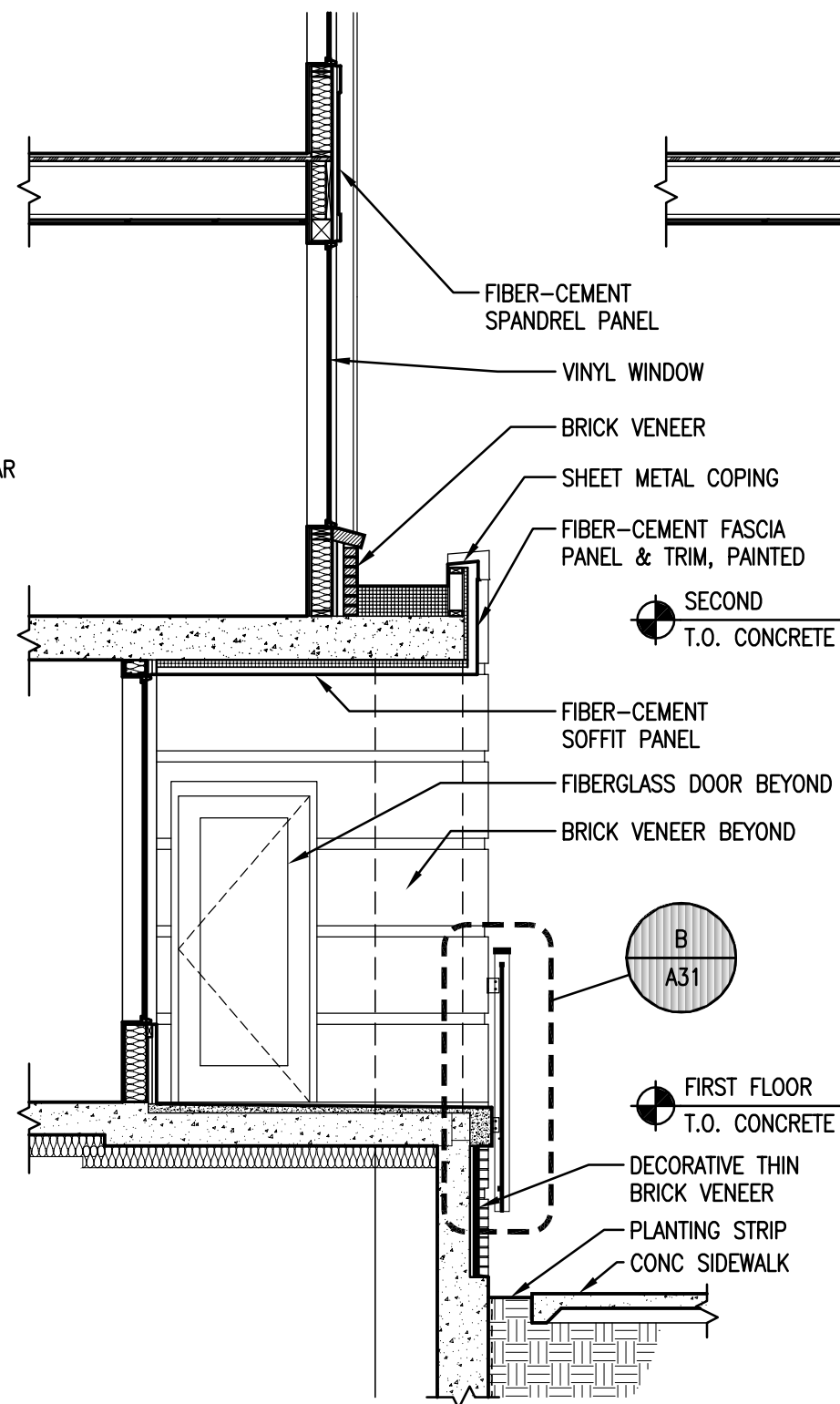
NW 13th and Pettygrove



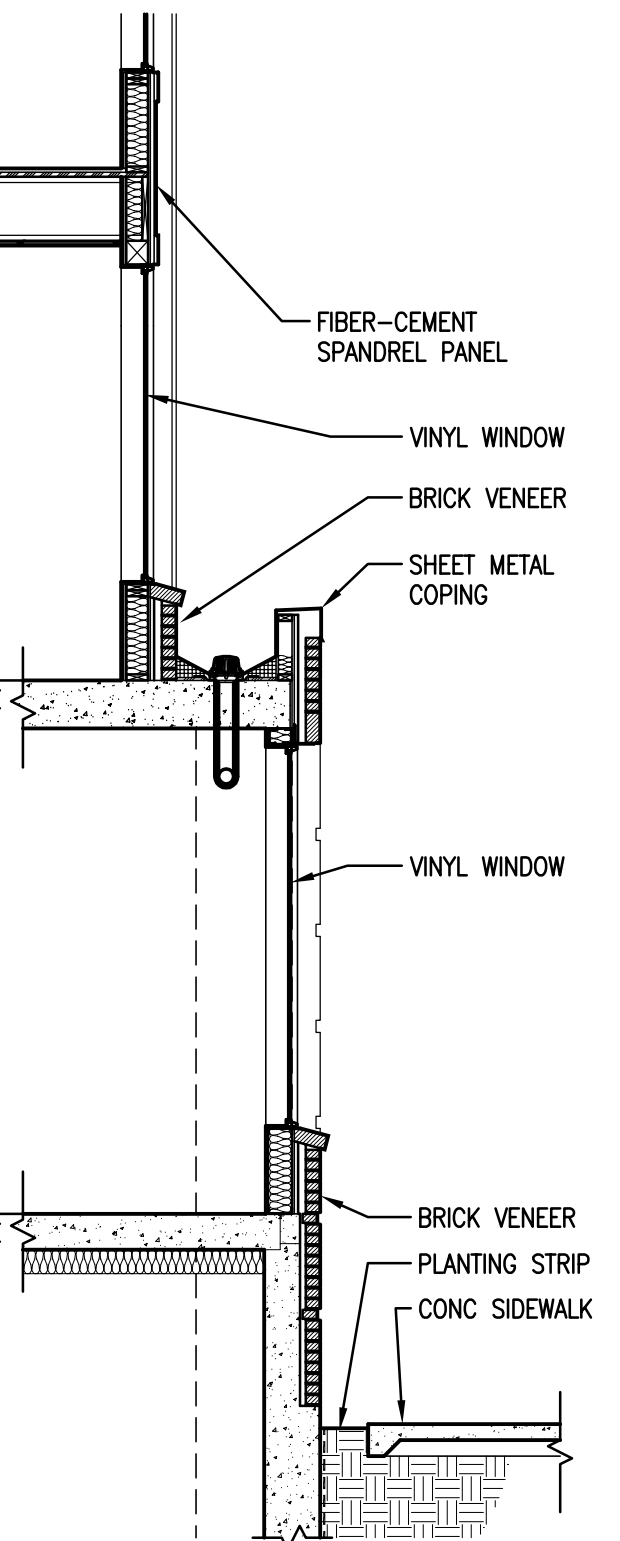
A CANOPY • ENTRY
SCALE: 1/4" = 1'-0"



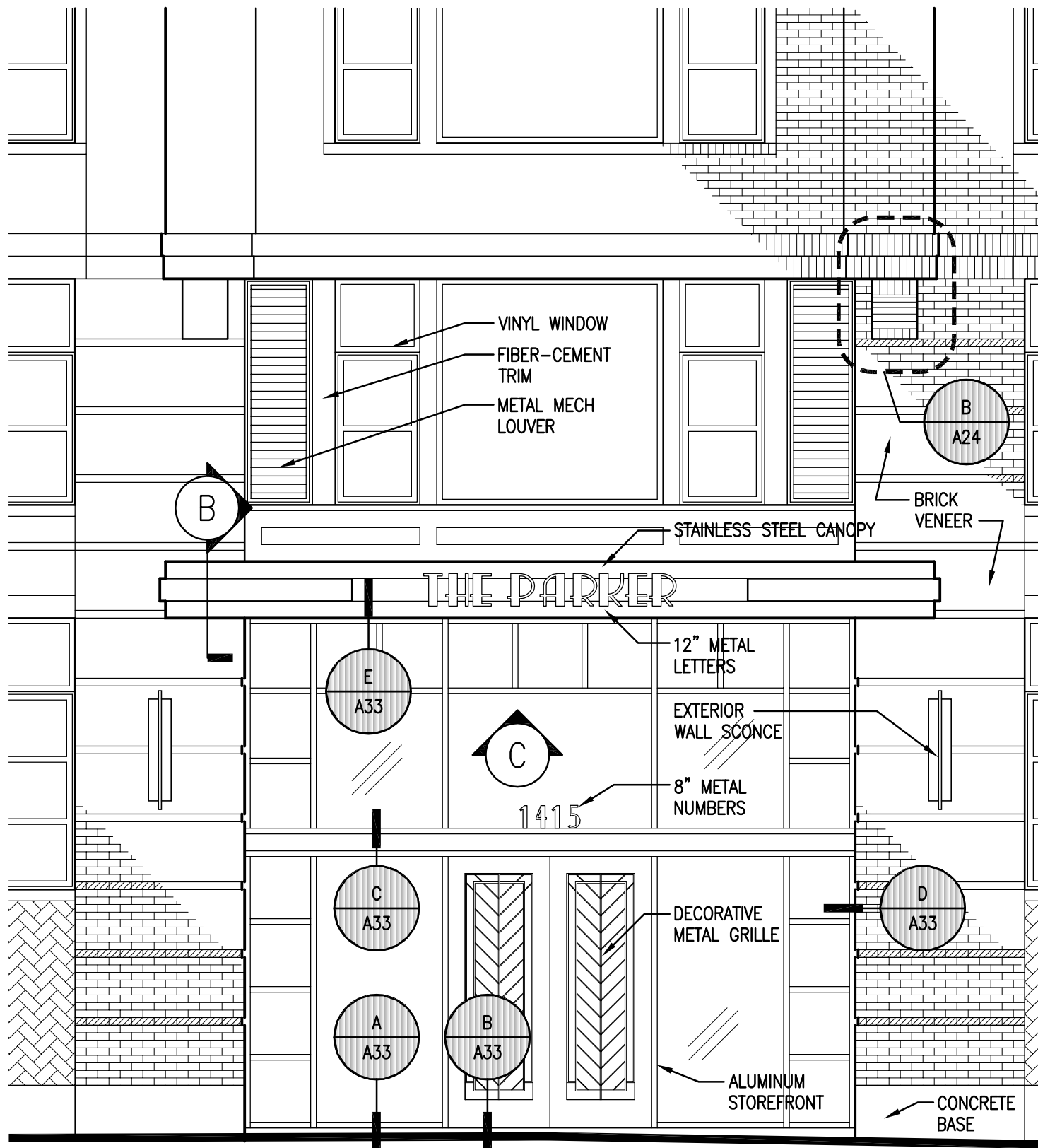
B GLASS CANOPY
AT COURTYARD
SCALE: 1/4" = 1'-0"



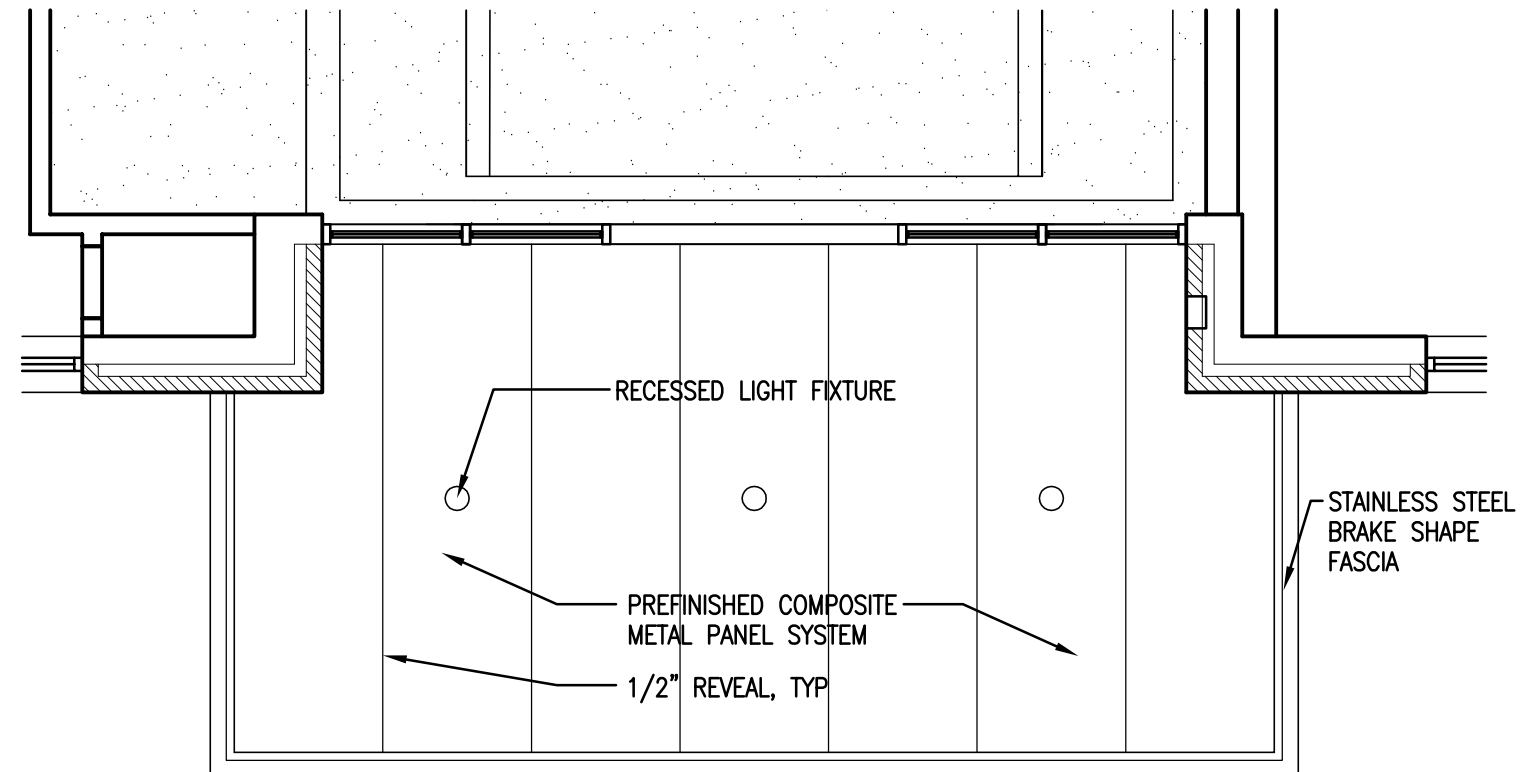
C BALCONY • GROUND FLR
SCALE: 1/4" = 1'-0"



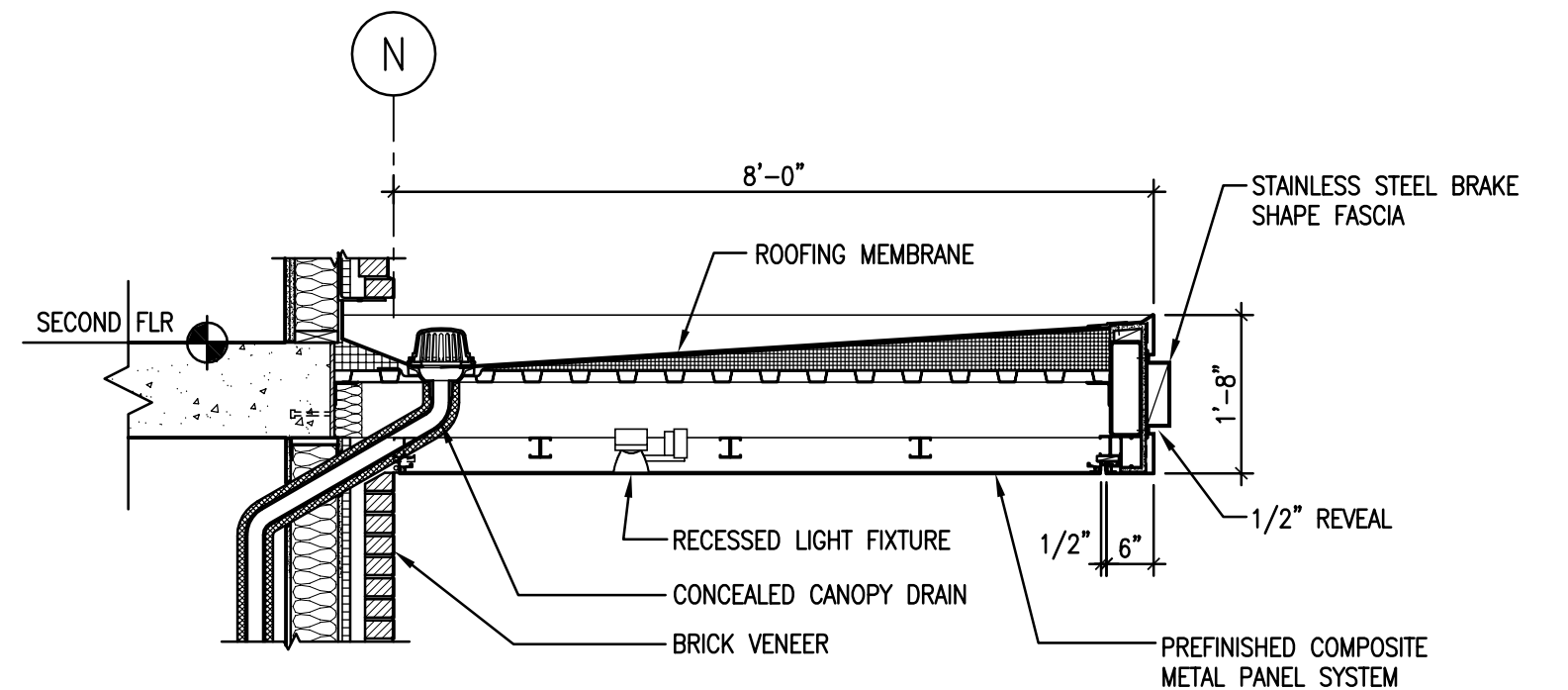
D GROUND FLOOR UNIT
SCALE: 1/4" = 1'-0"



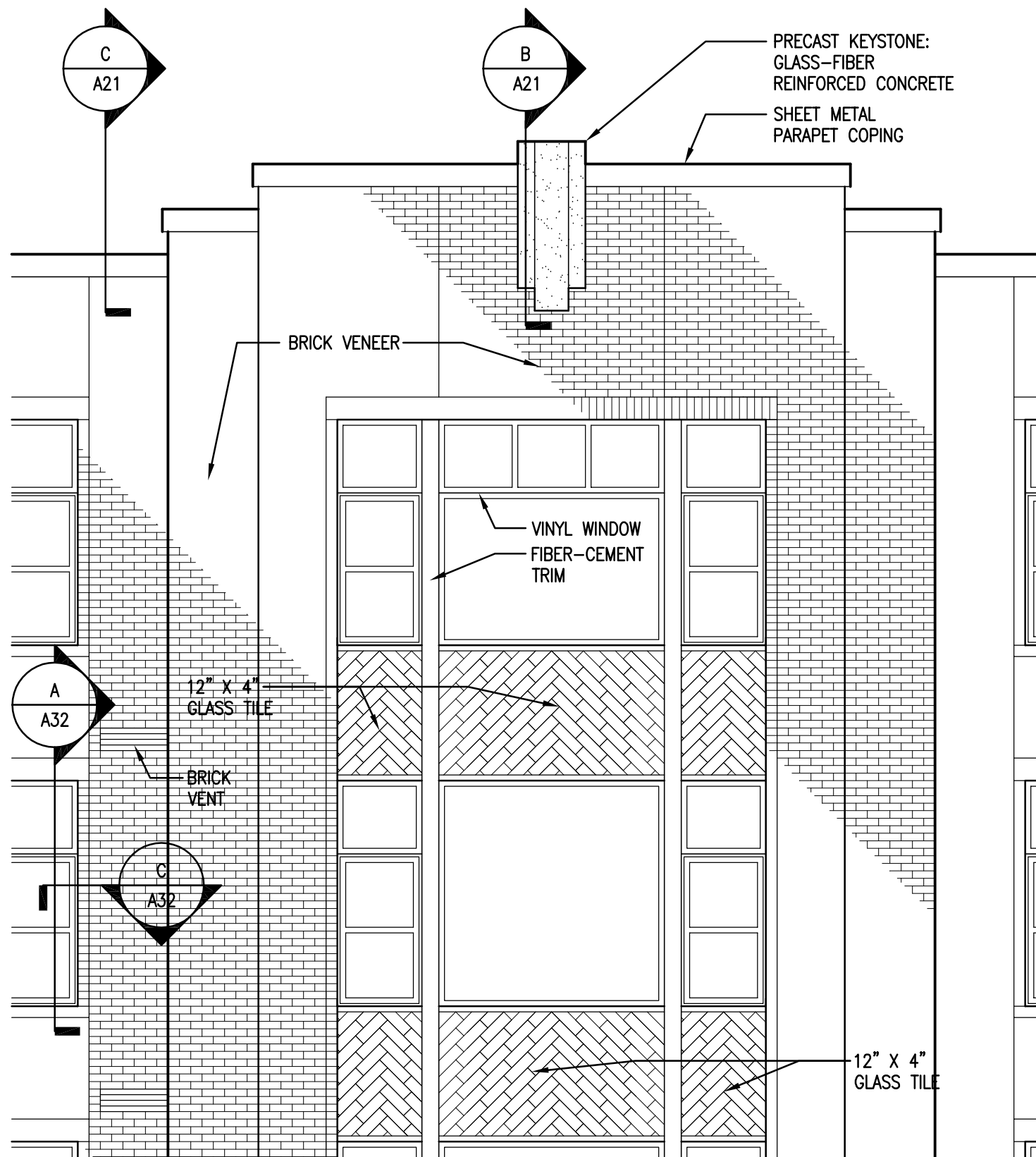
A BUILDING ENTRY + CANOPY - ELEVATION
 SCALE: 1/4" = 1'-0"



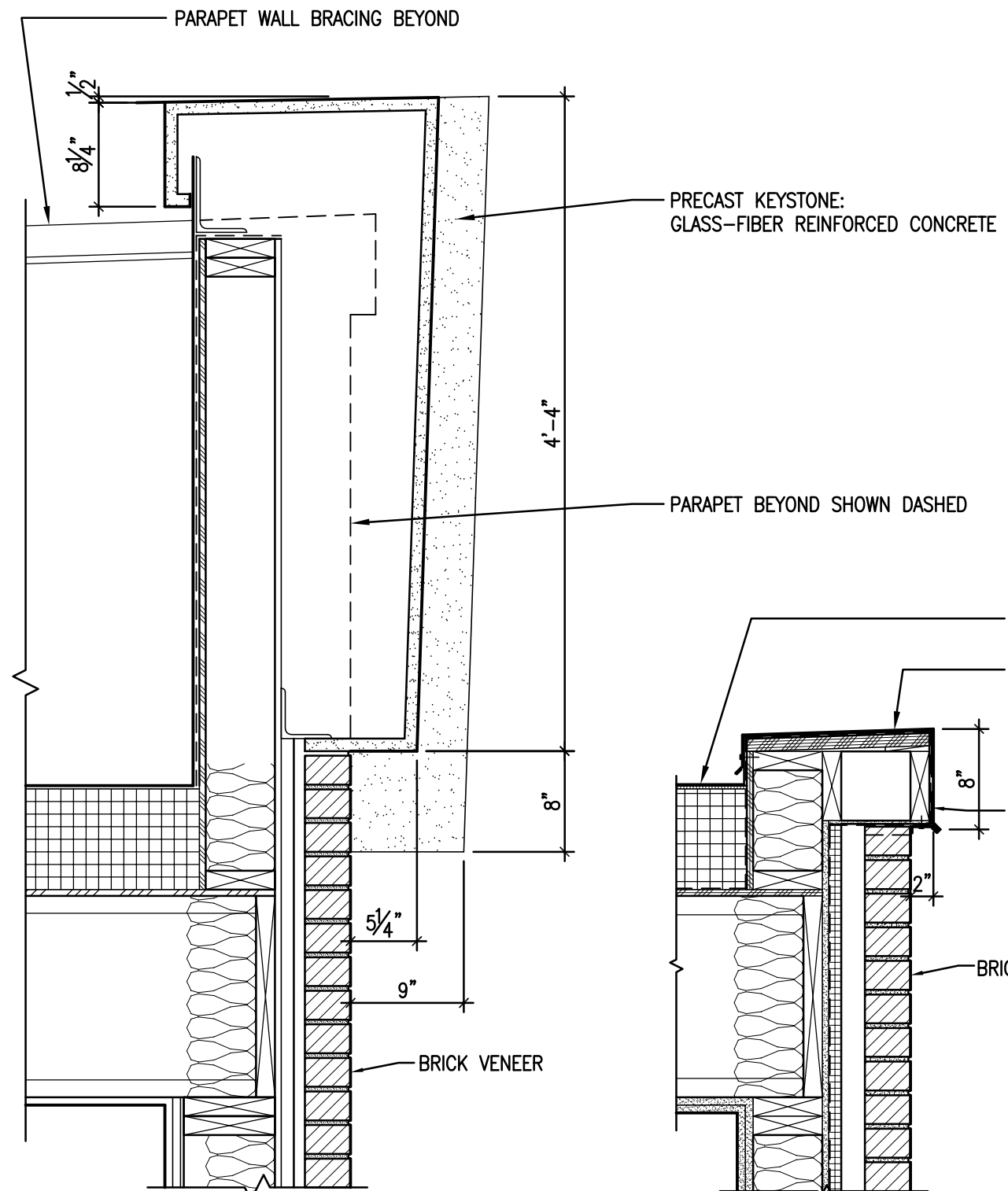
C REFLECTED CANOPY PLAN
 SCALE: 1/4" = 1'-0"



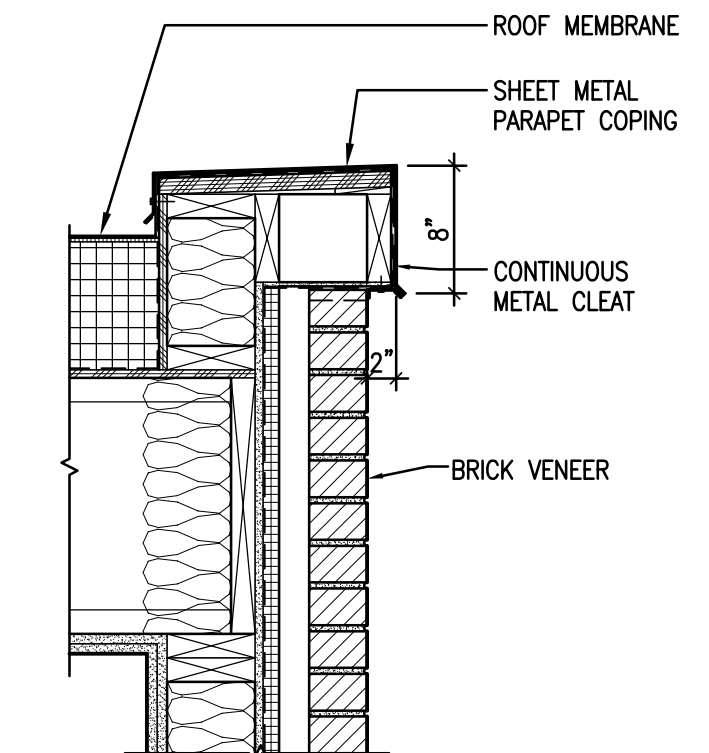
B ENTRY CANOPY - SECTION
 SCALE: 1/2" = 1'-0"



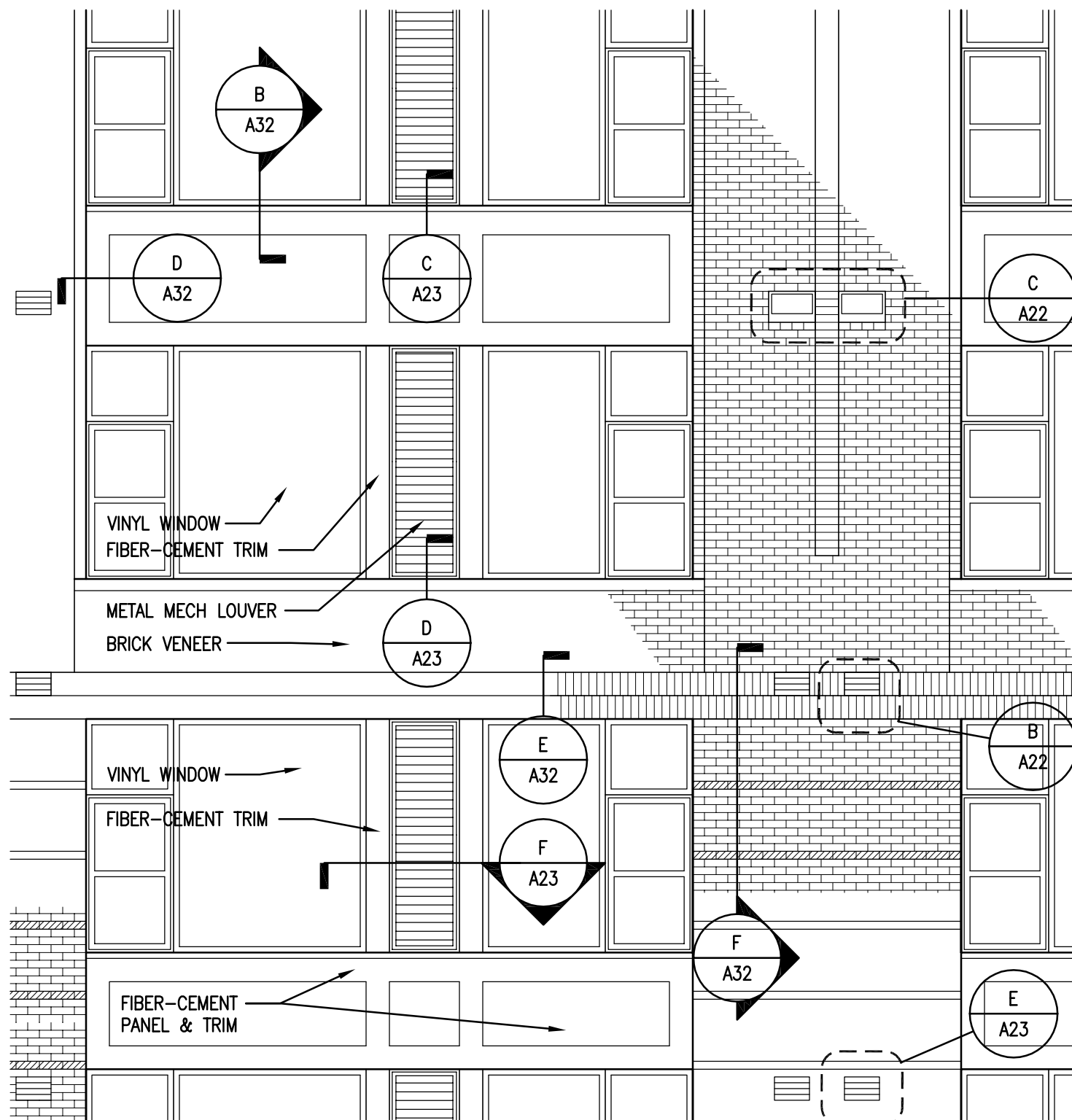
A PROJECTING BAY AT ENTRY - ELEVATION
SCALE: 1/4" = 1'-0"



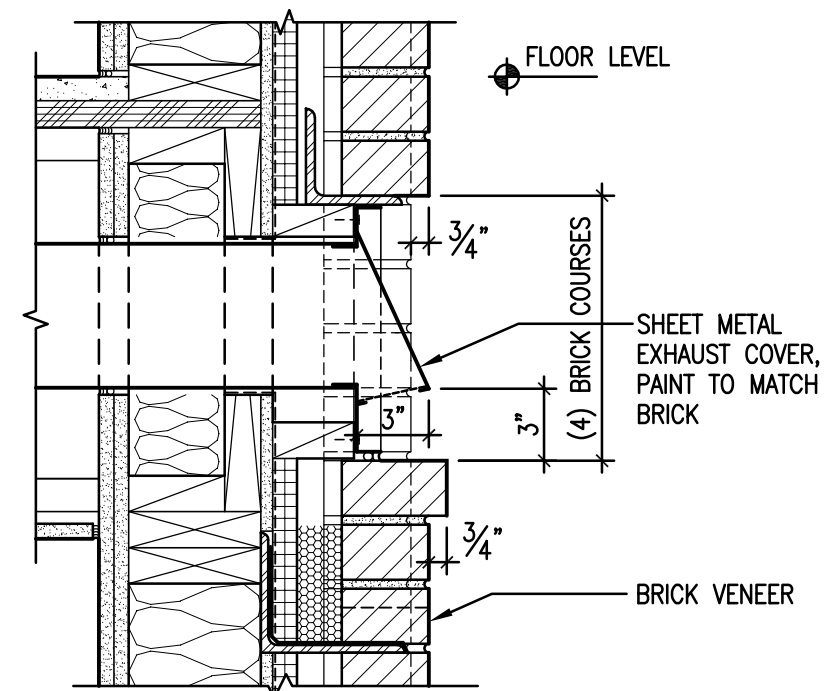
B PRECAST KEYSTONE
1" = 1'-0"



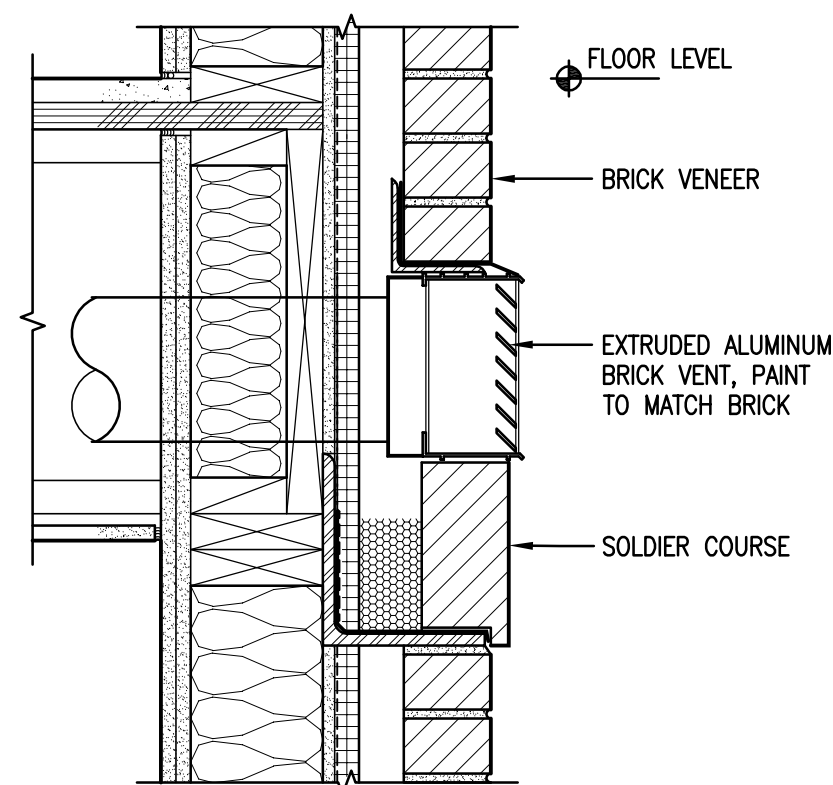
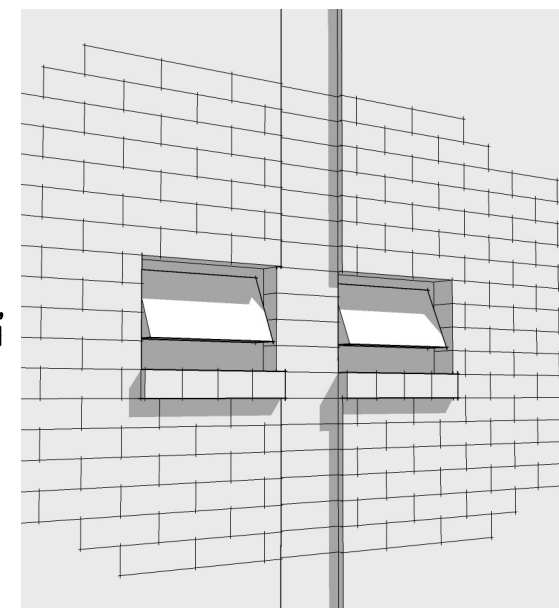
C TYPICAL PARAPET
1" = 1'-0"



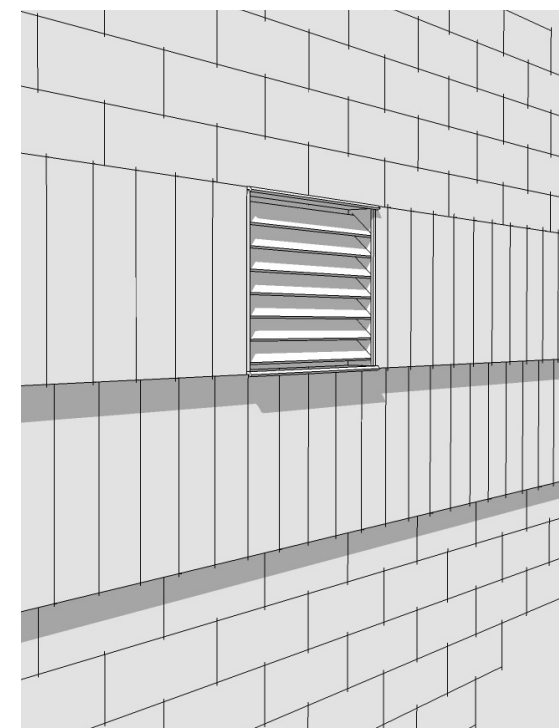
A PARTIAL ELEVATION
SCALE: 1/4" = 1'-0"

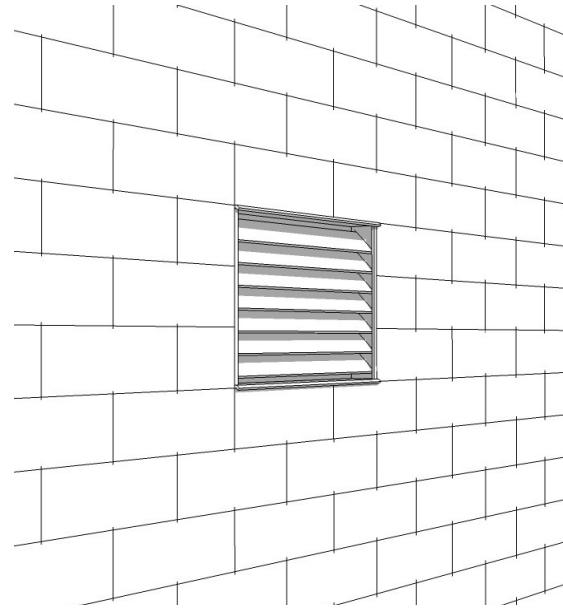
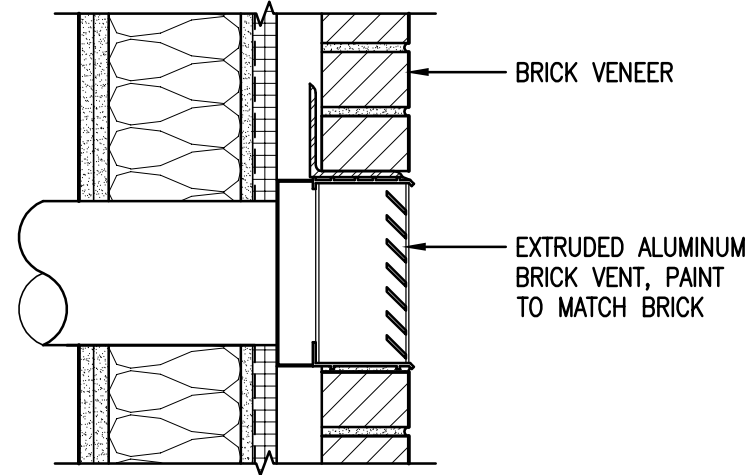


C UTILITY EXHAUSTS • BRICK PILASTERS
1-1/2" = 1'-0"

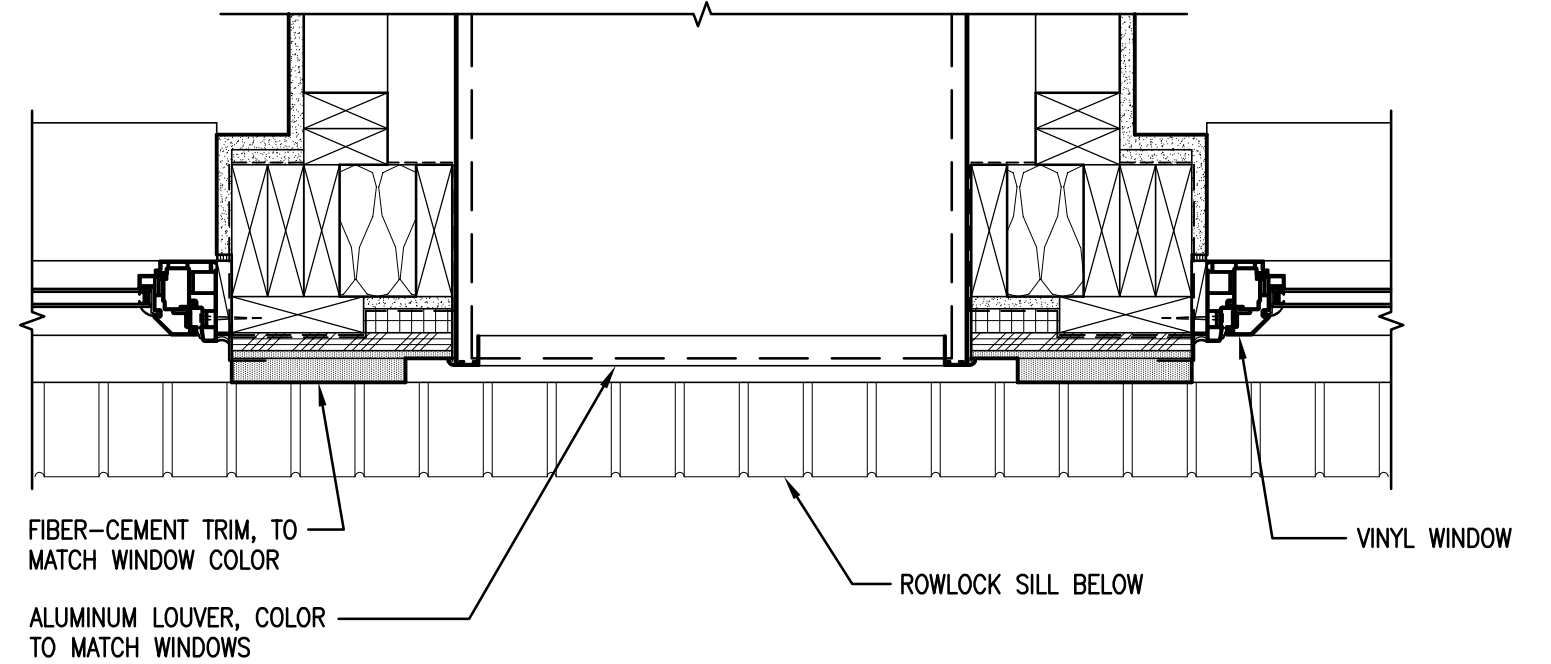


B BRICK VENT • SOLDIER COURSE
1-1/2" = 1'-0"

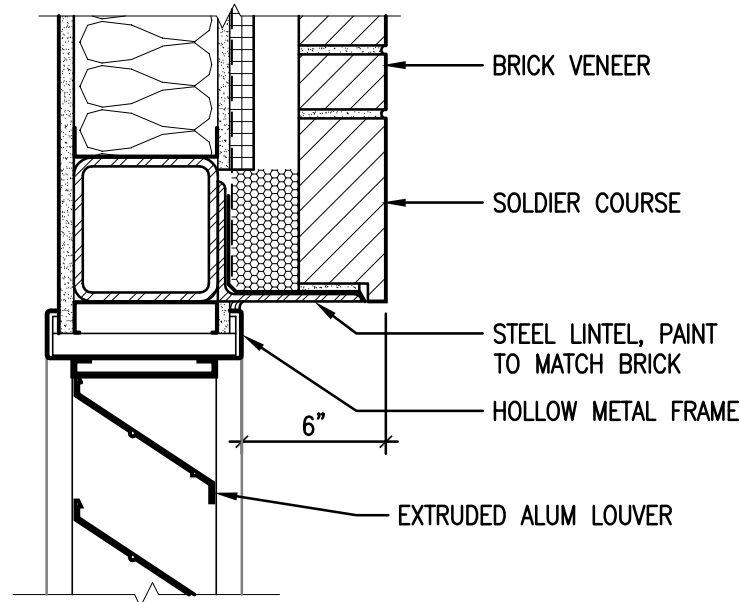




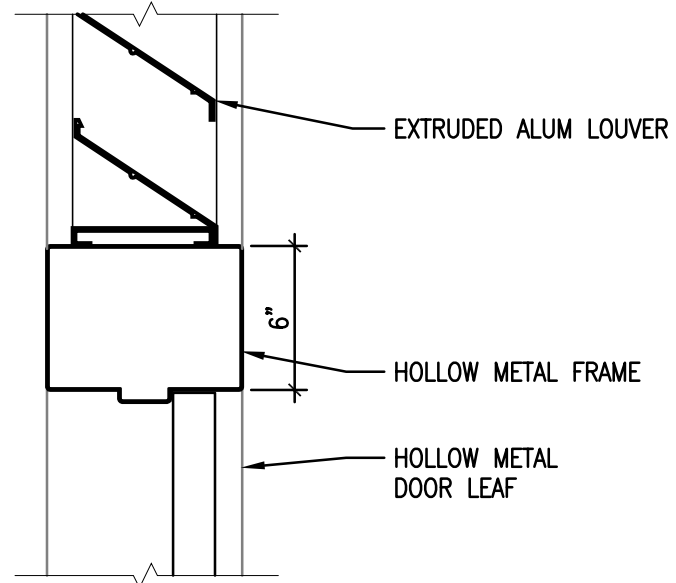
E **TYPICAL BRICK VENT**
1-1/2" = 1'-0"



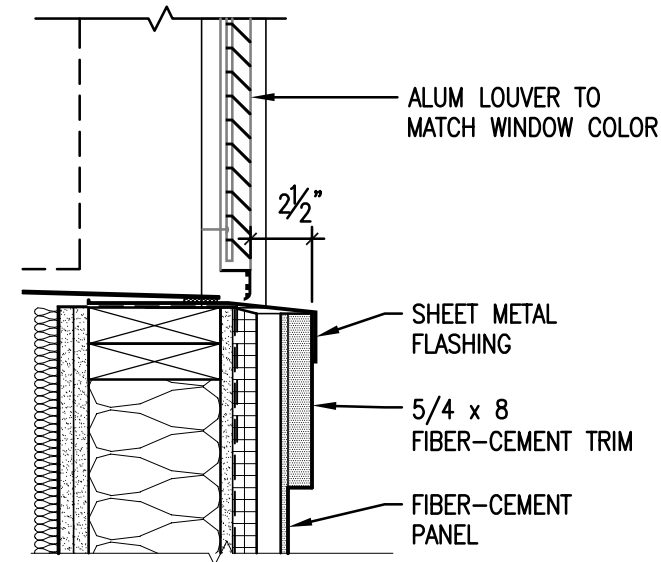
F **MECH LOUVER • WINDOW JAMBS**
1-1/2" = 1'-0"



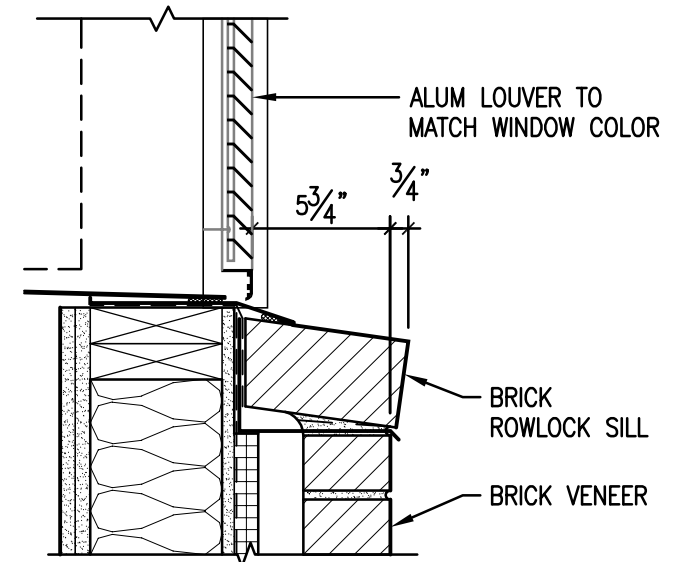
A **METAL LOUVER**
1-1/2" = 1'-0"



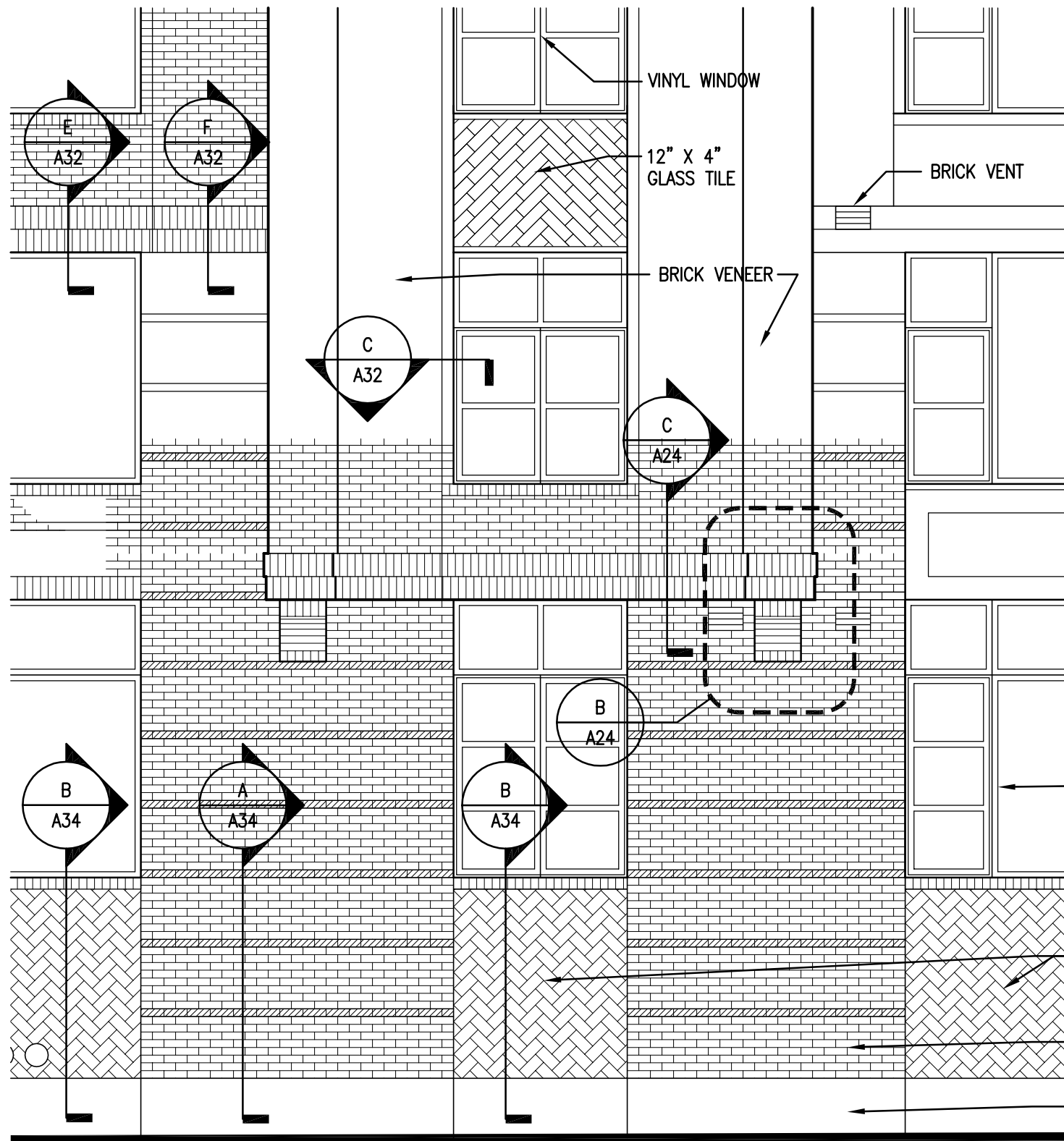
B **METAL LOUVER**
1-1/2" = 1'-0"



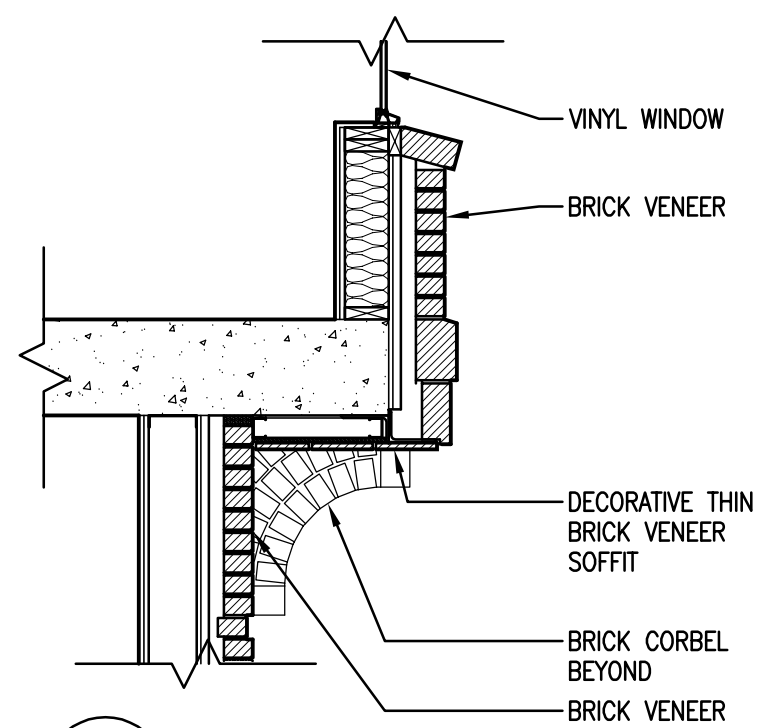
C **MECH LOUVER • UNITS**
1-1/2" = 1'-0"



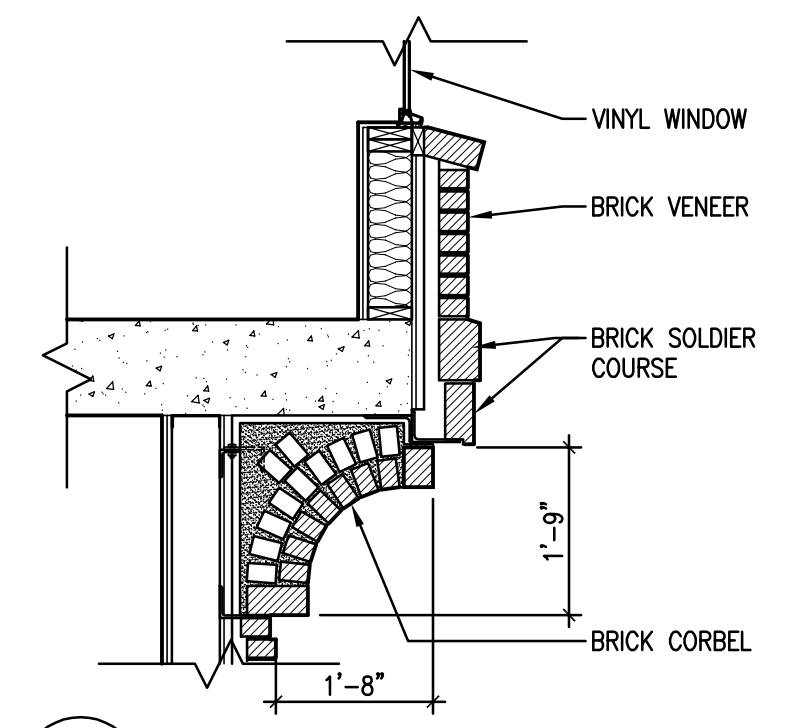
D **MECH LOUVER • UNITS**
1-1/2" = 1'-0"



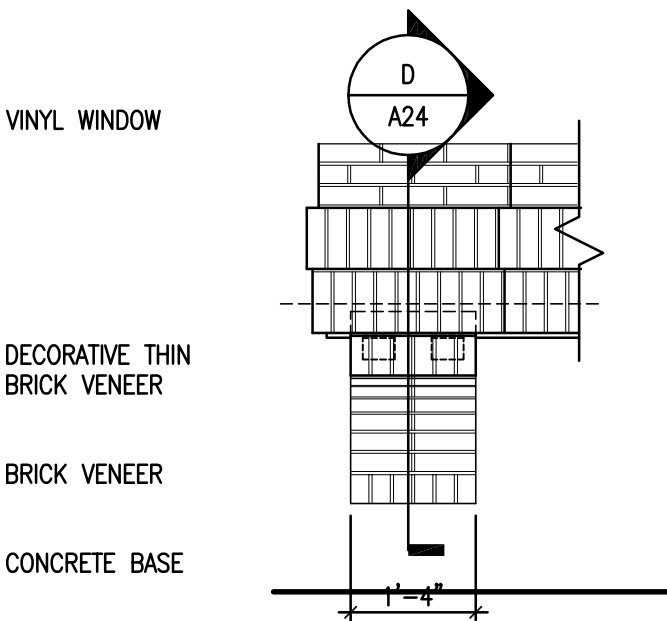
A PARTIAL ELEVATION
SCALE: 1/4" = 1'-0"



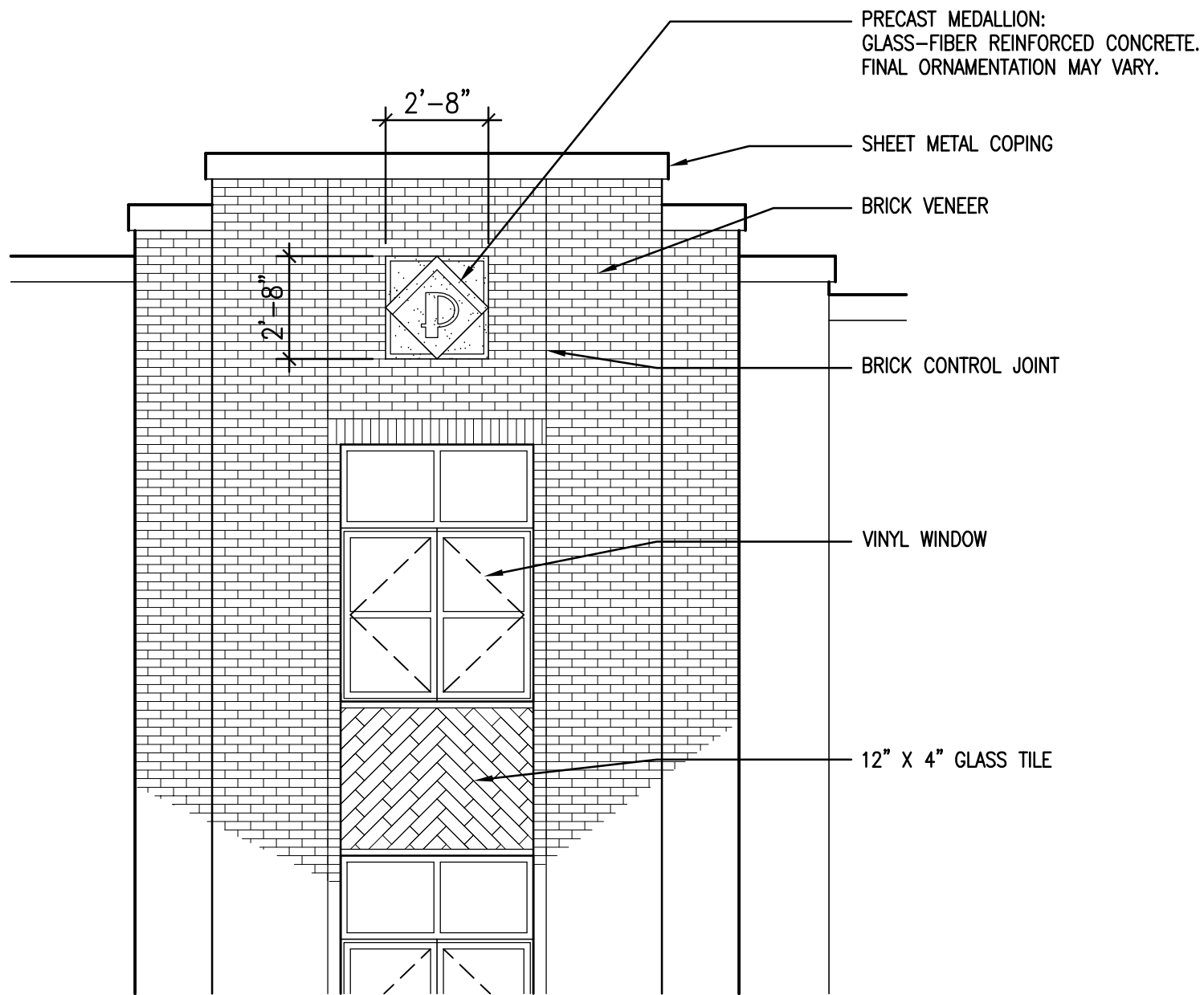
C BAY - SECTION
SCALE: 1/2" = 1'-0"



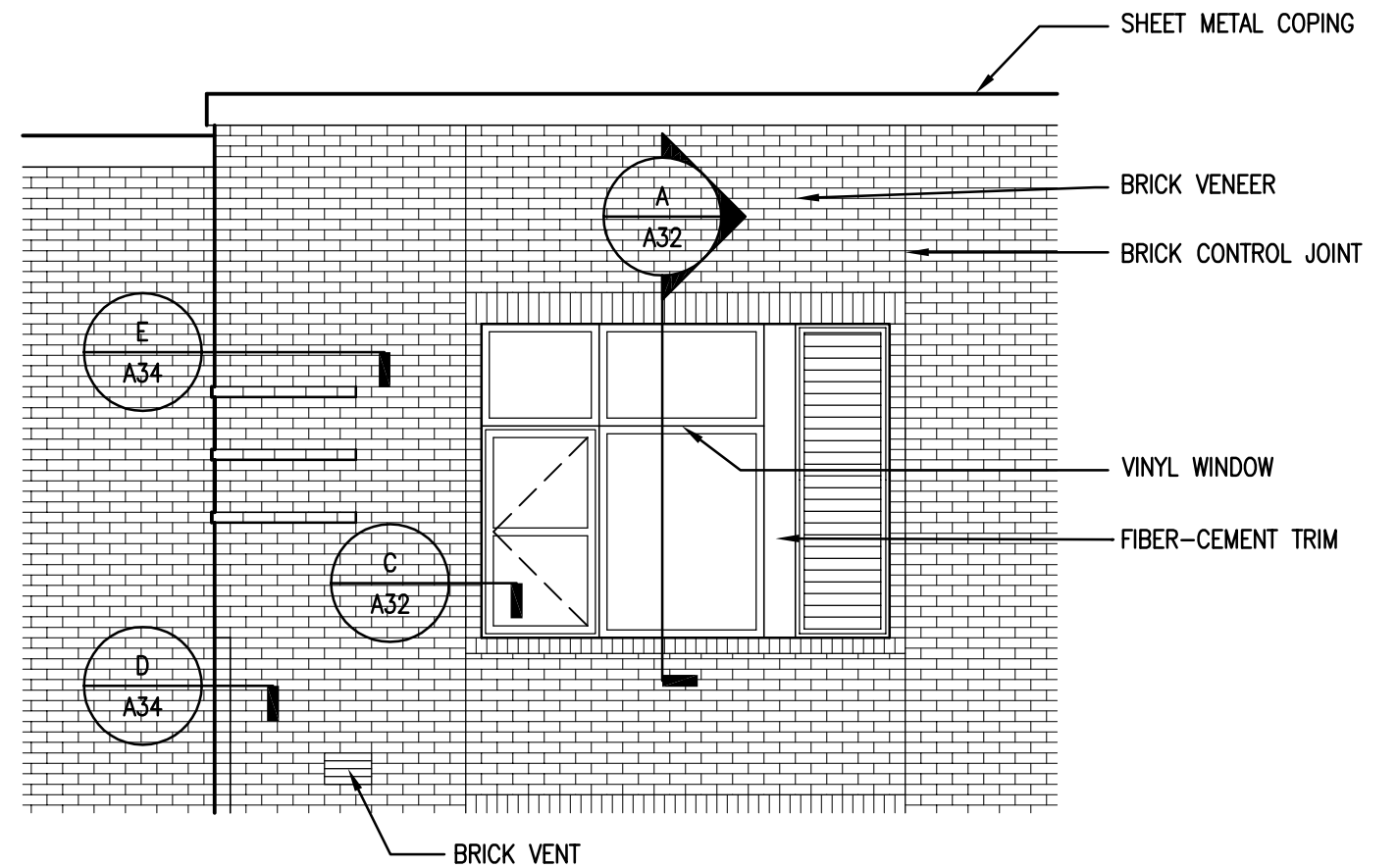
D CORBEL - SECTION
SCALE: 1/2" = 1'-0"



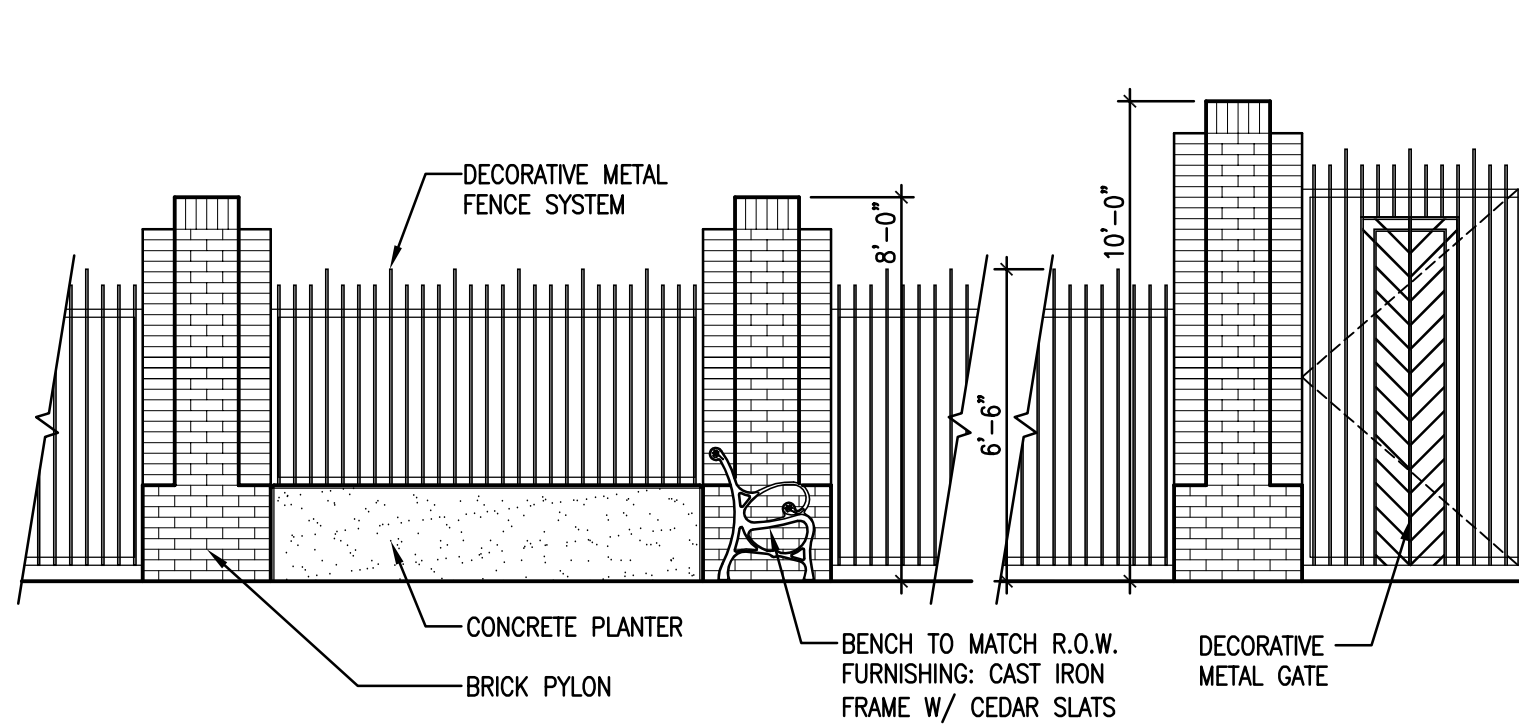
B CORBEL - ELEVATION
SCALE: 1/2" = 1'-0"



A **PROJECTING BAY - ELEVATION**
1/4" = 1'-0"



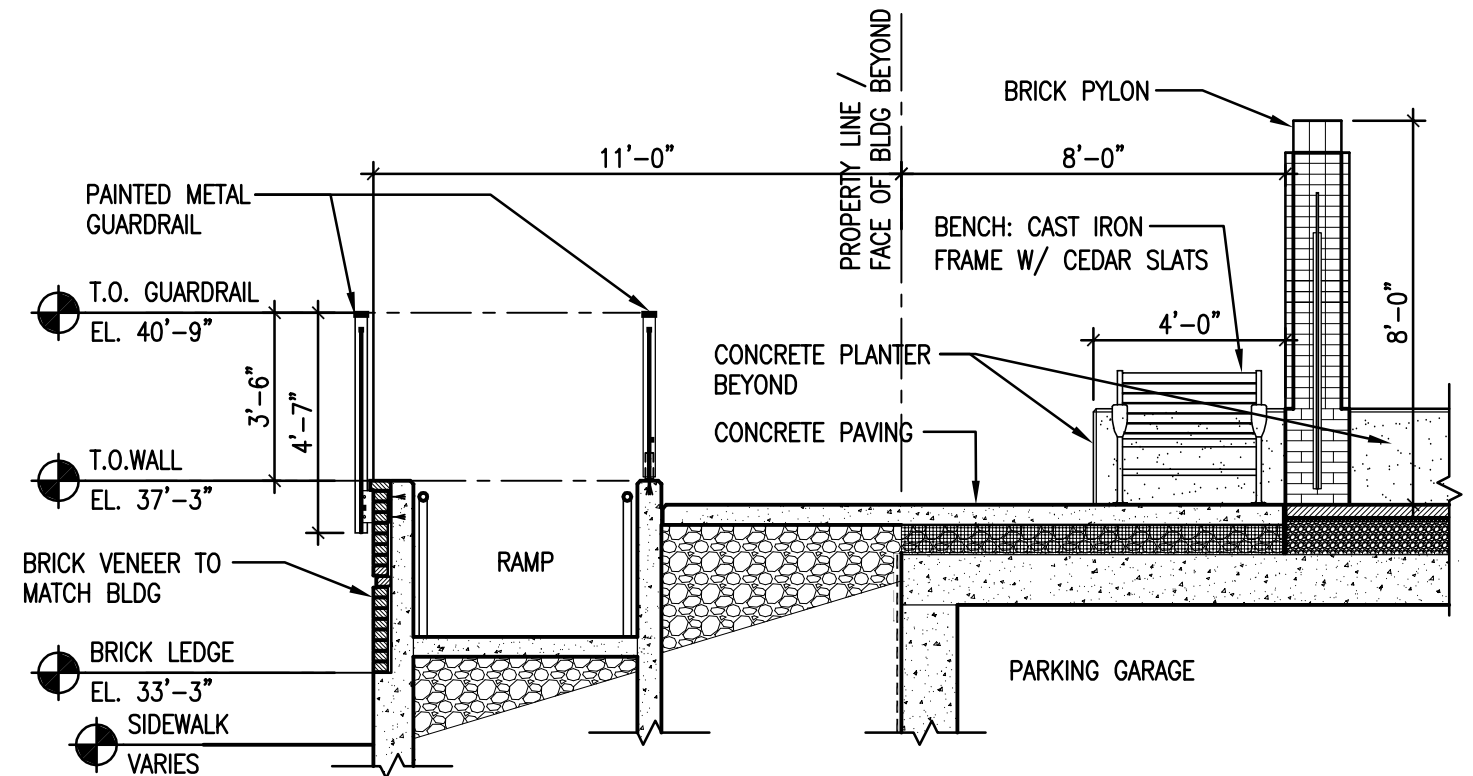
B **WINOW W/ LOUVER ELEVATION**
1/4" = 1'-0"



B

FENCE + PLANTER • LOADING DOCK, PARTIAL ELEVATION

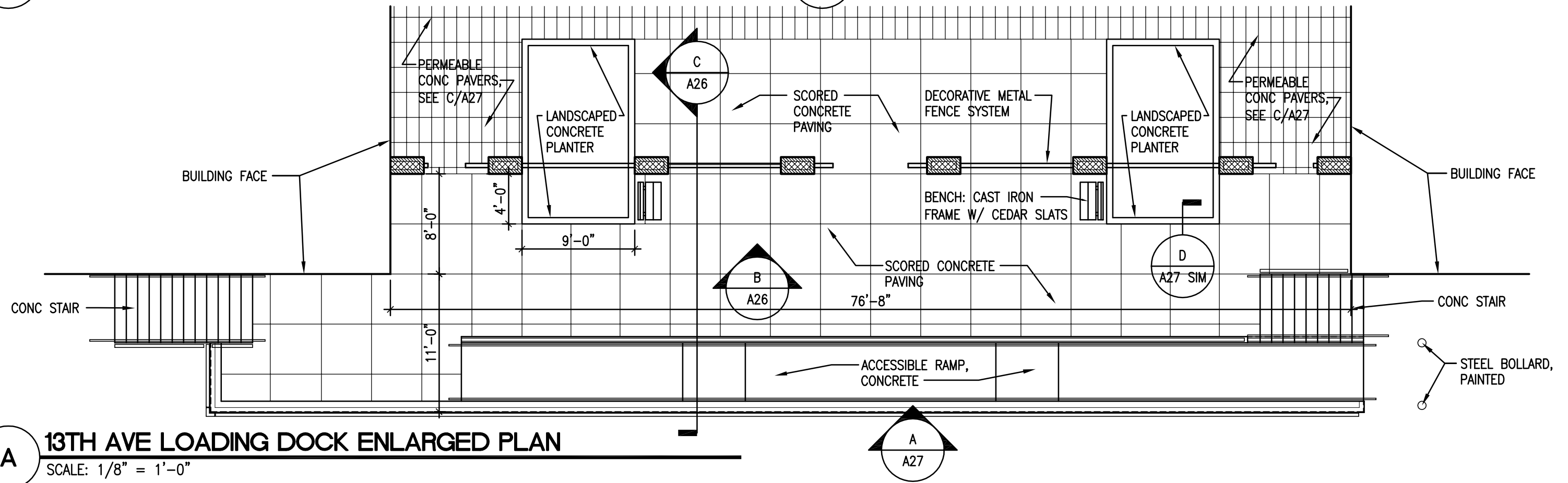
SCALE: 1/4" = 1'-0"



C

LOADING DOCK SECTION

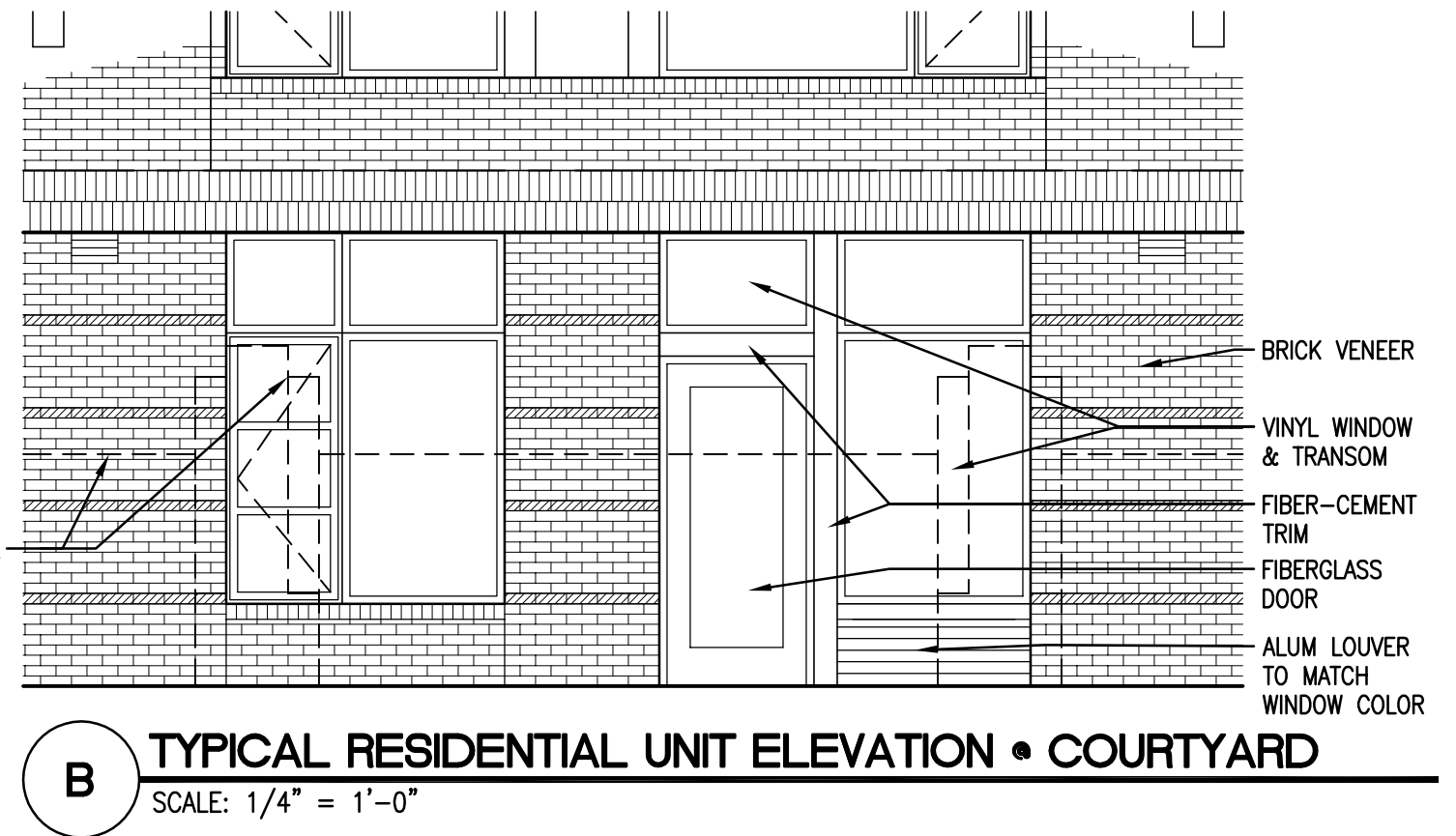
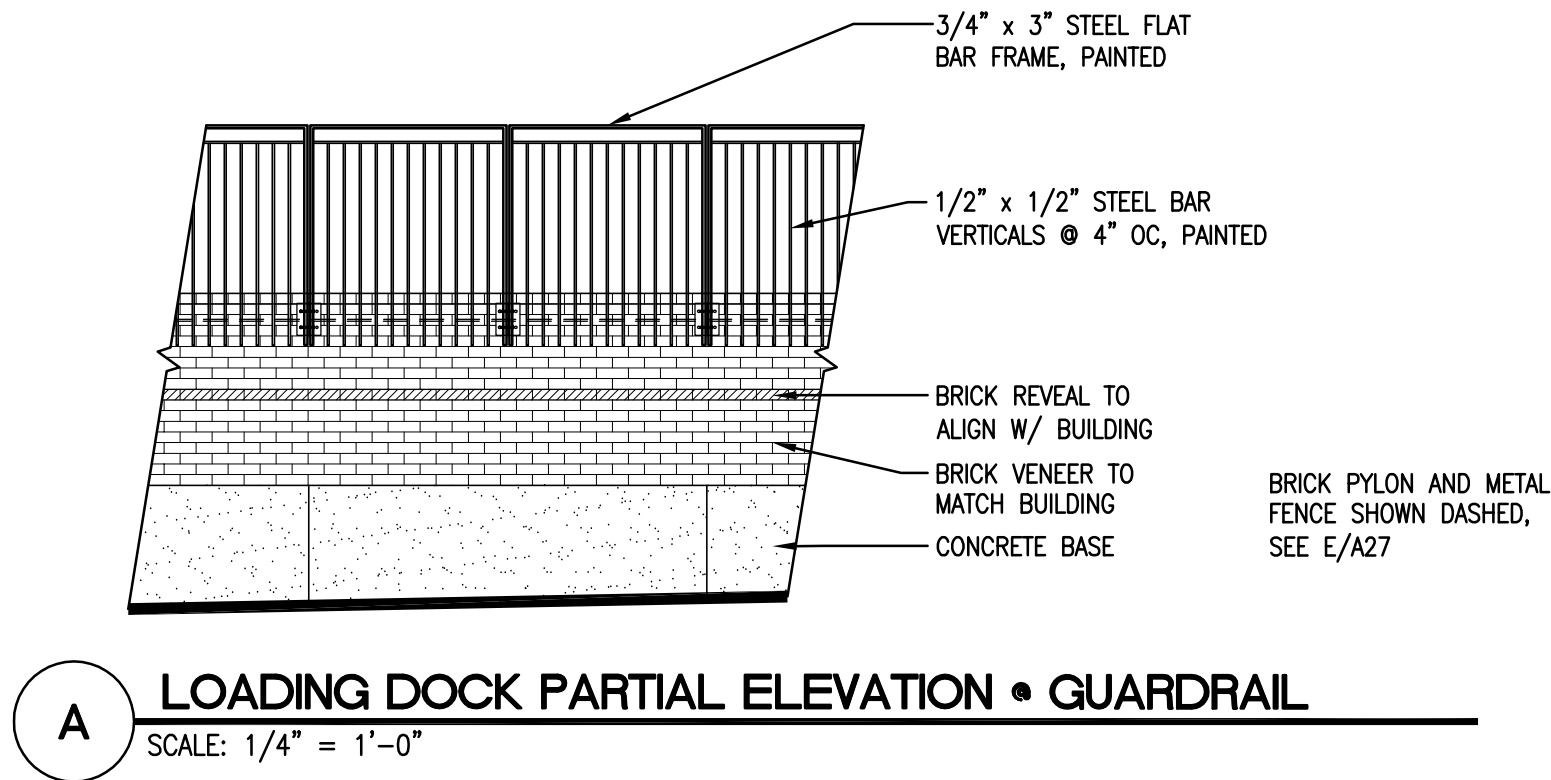
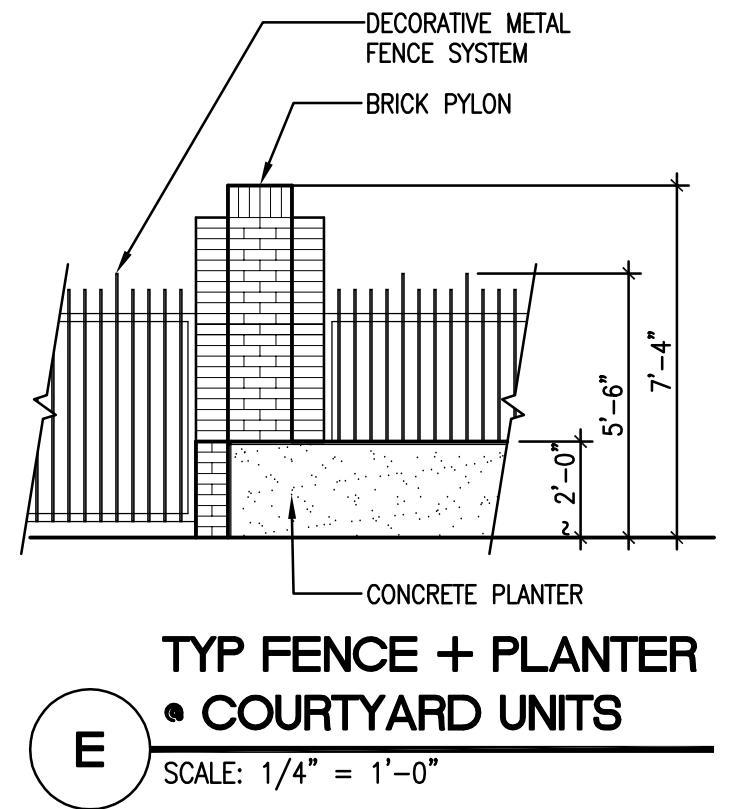
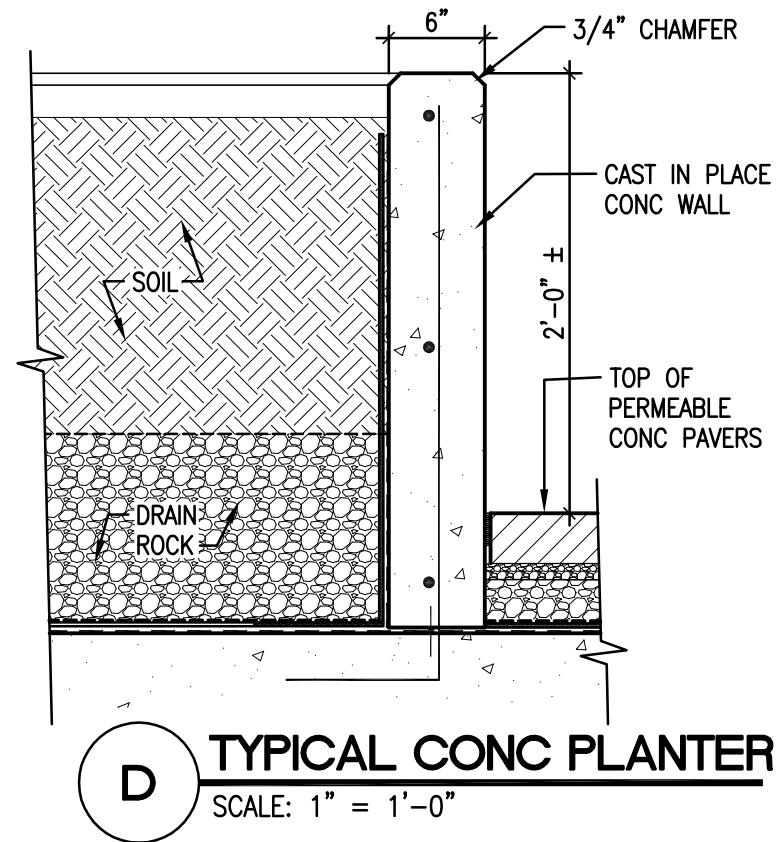
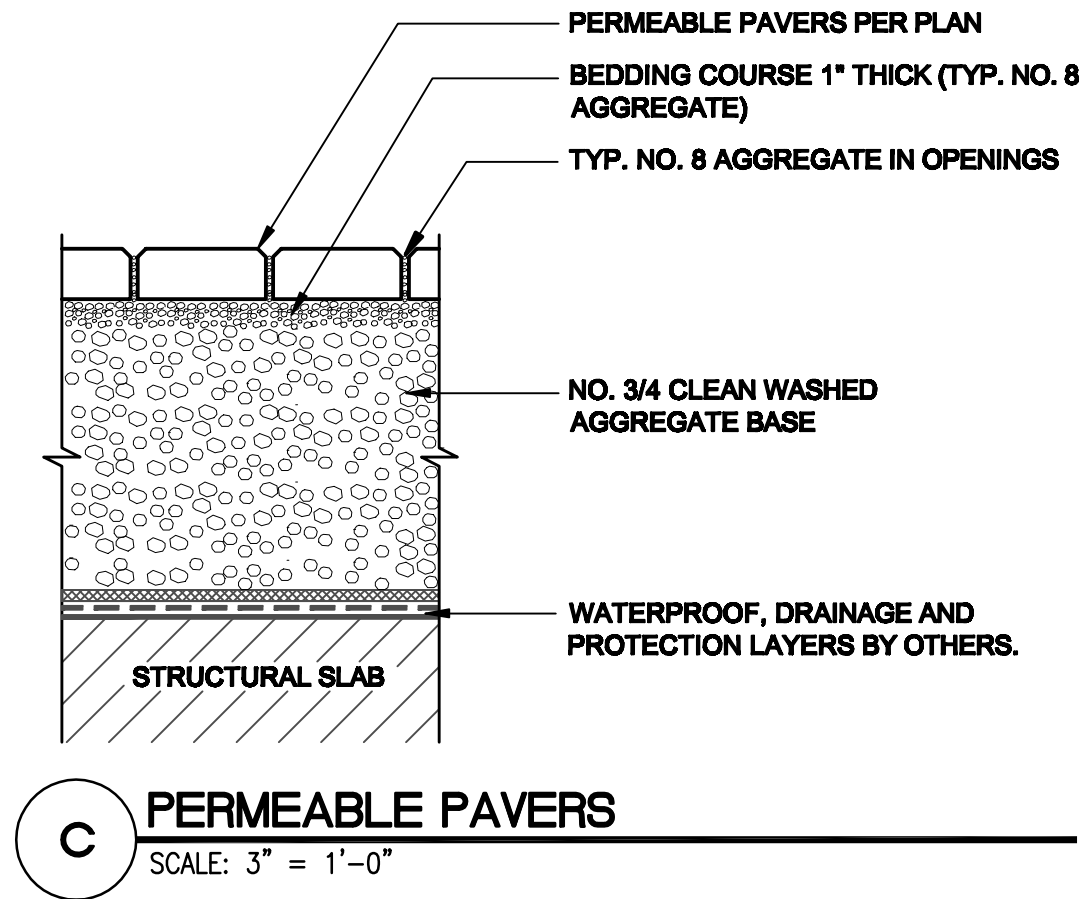
SCALE: 1/4" = 1'-0"

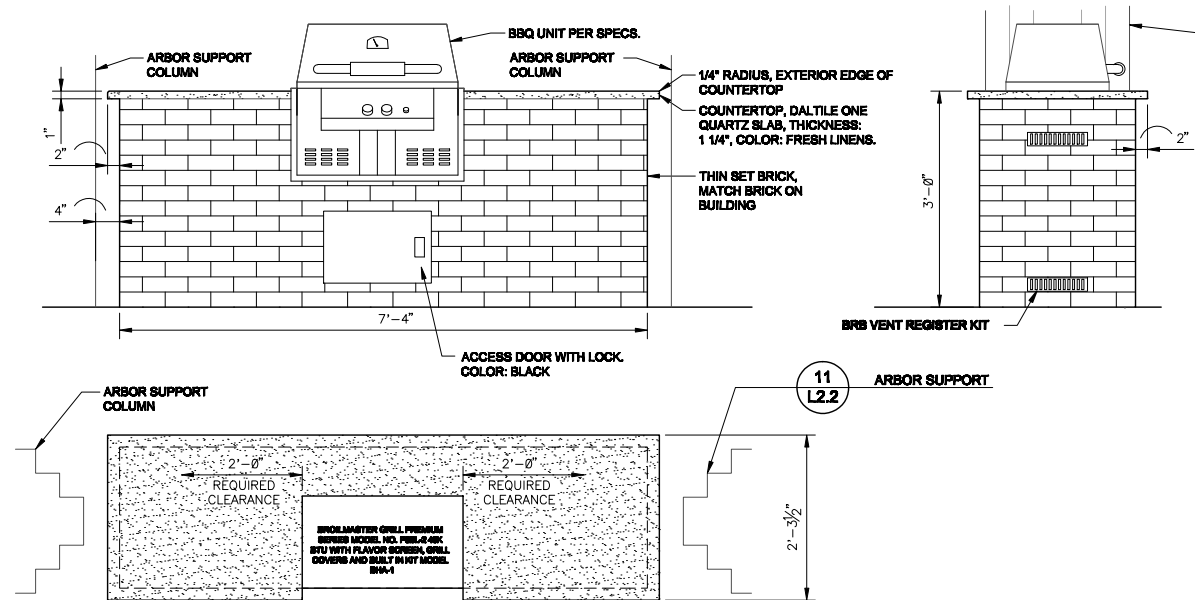


A

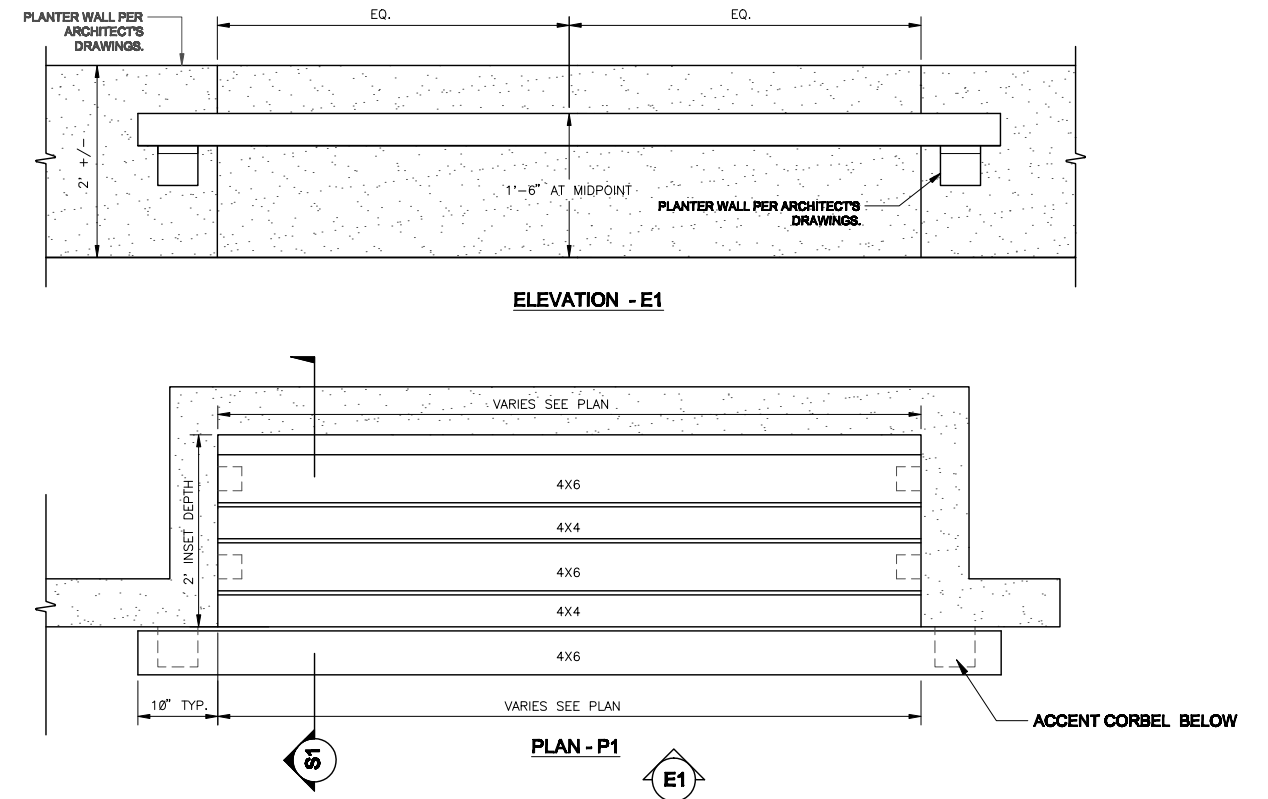
13TH AVE LOADING DOCK ENLARGED PLAN

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



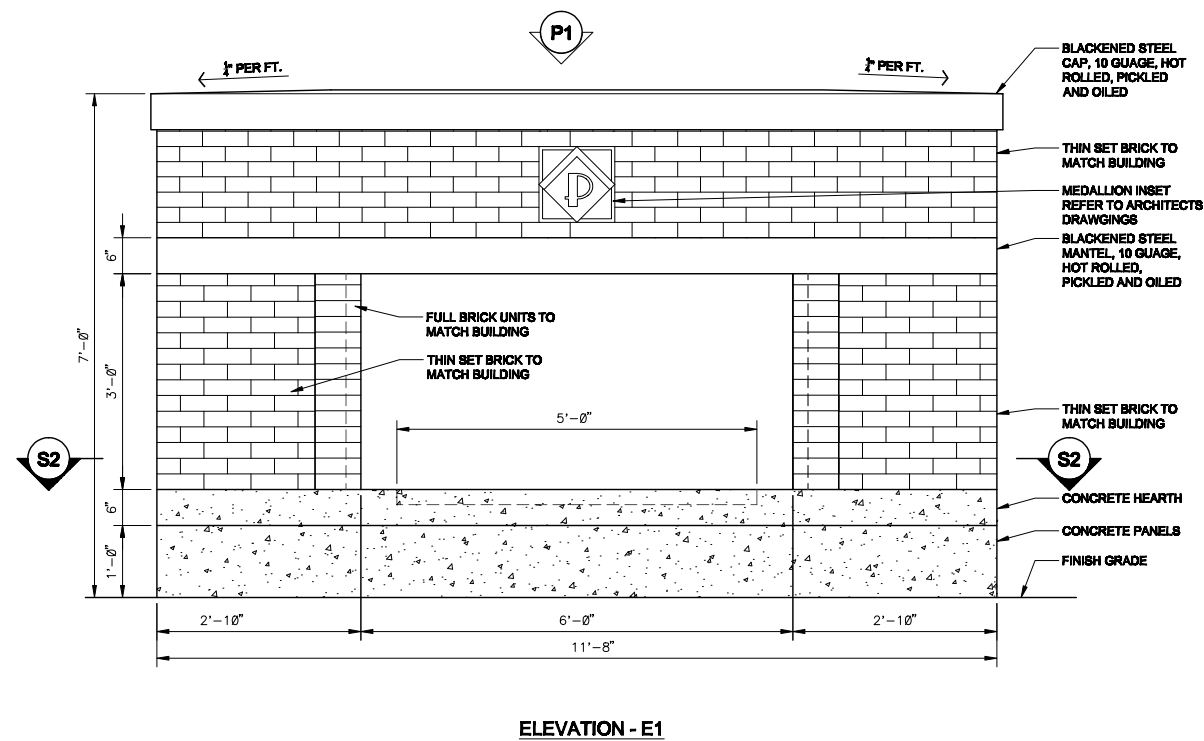


12 OUTDOOR GRILLING STATION
30" x 14"

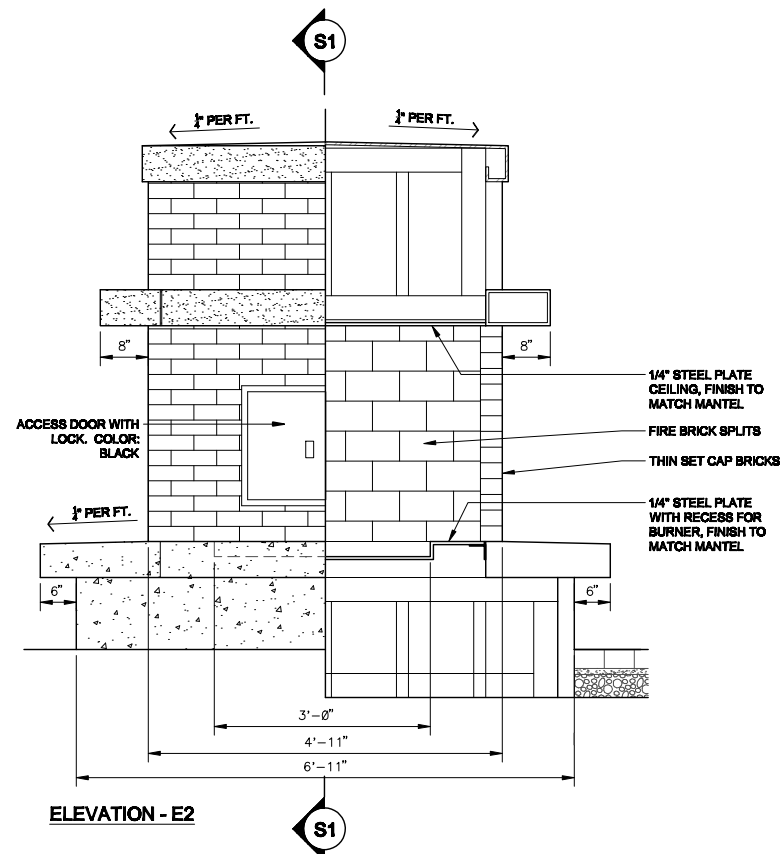


8 CUSTOM WOOD BENCH
1" x 14"

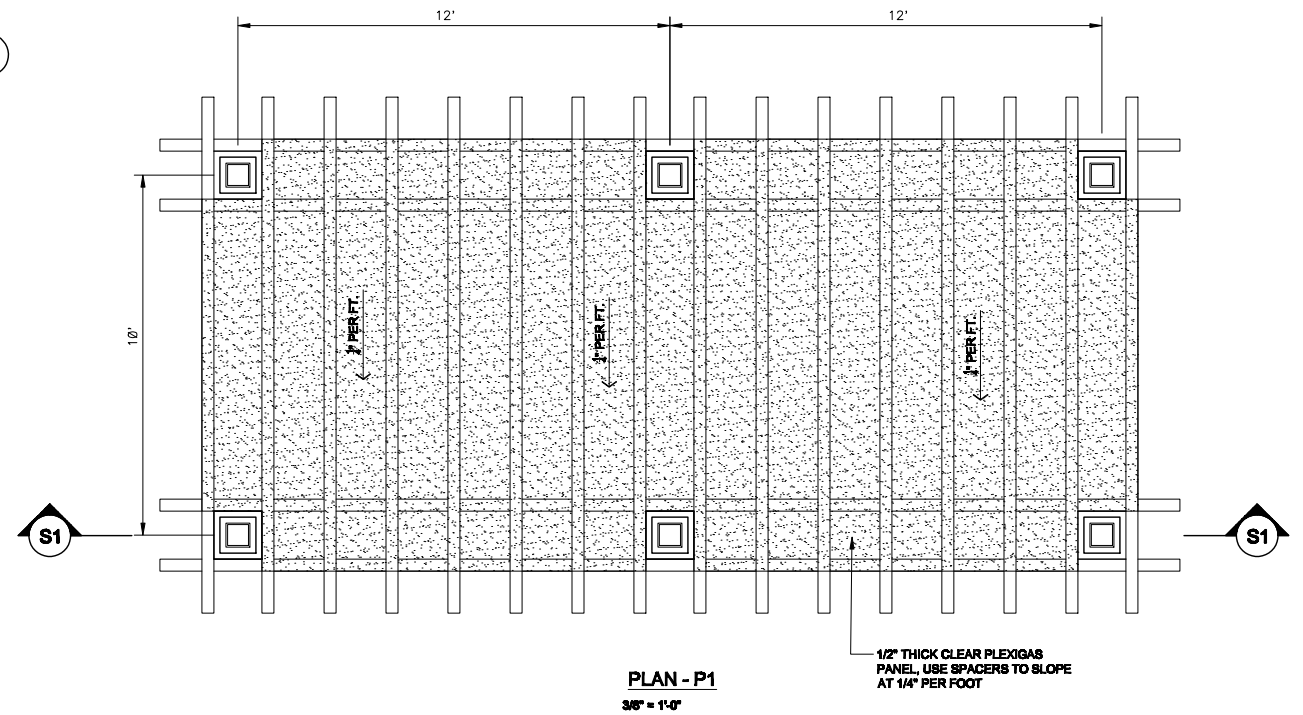
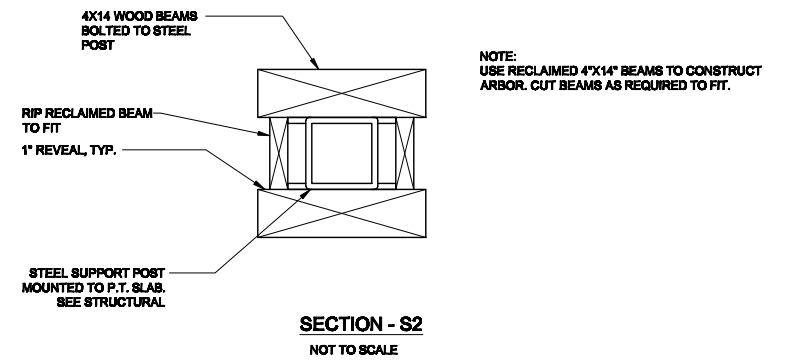
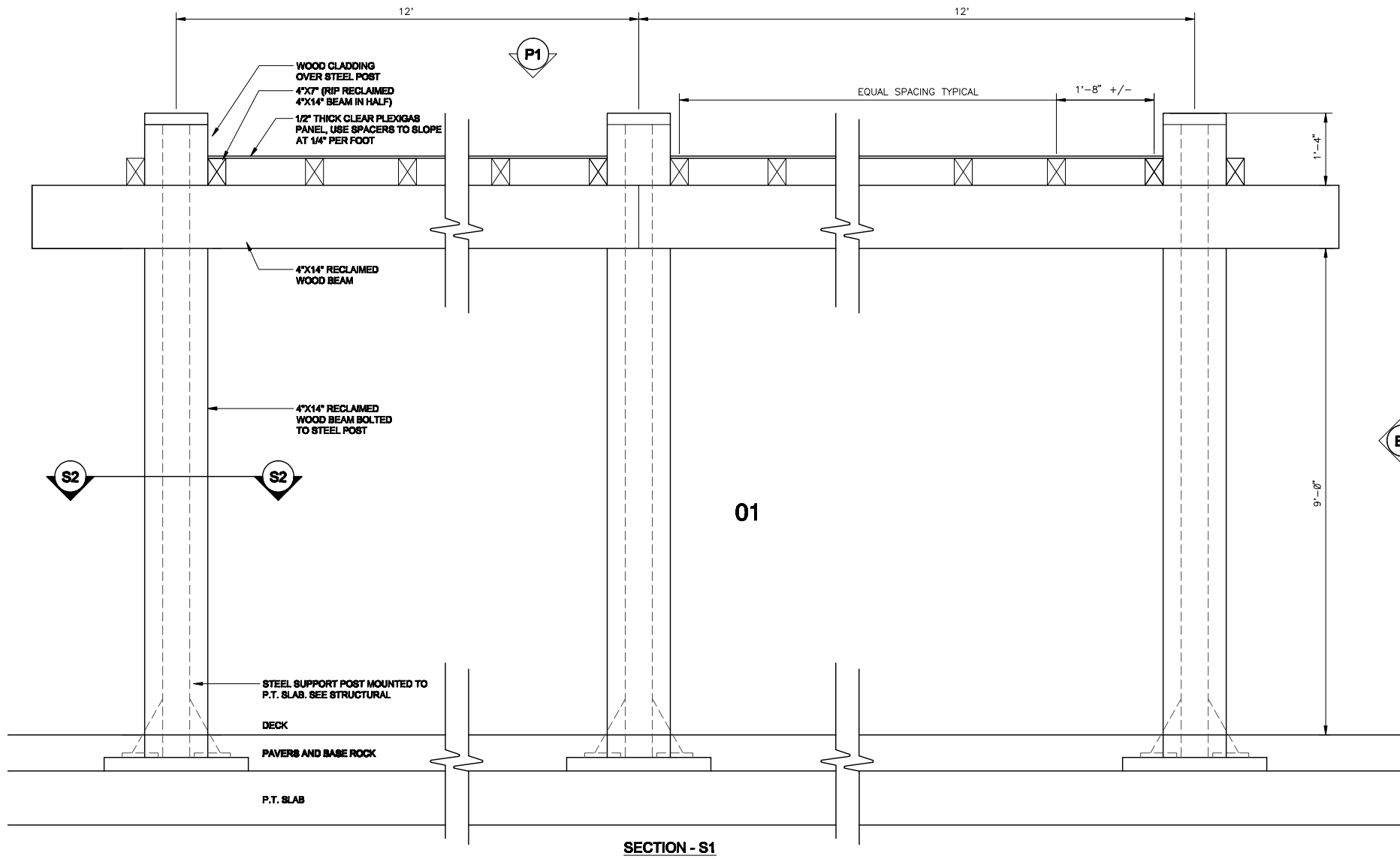
128310-02

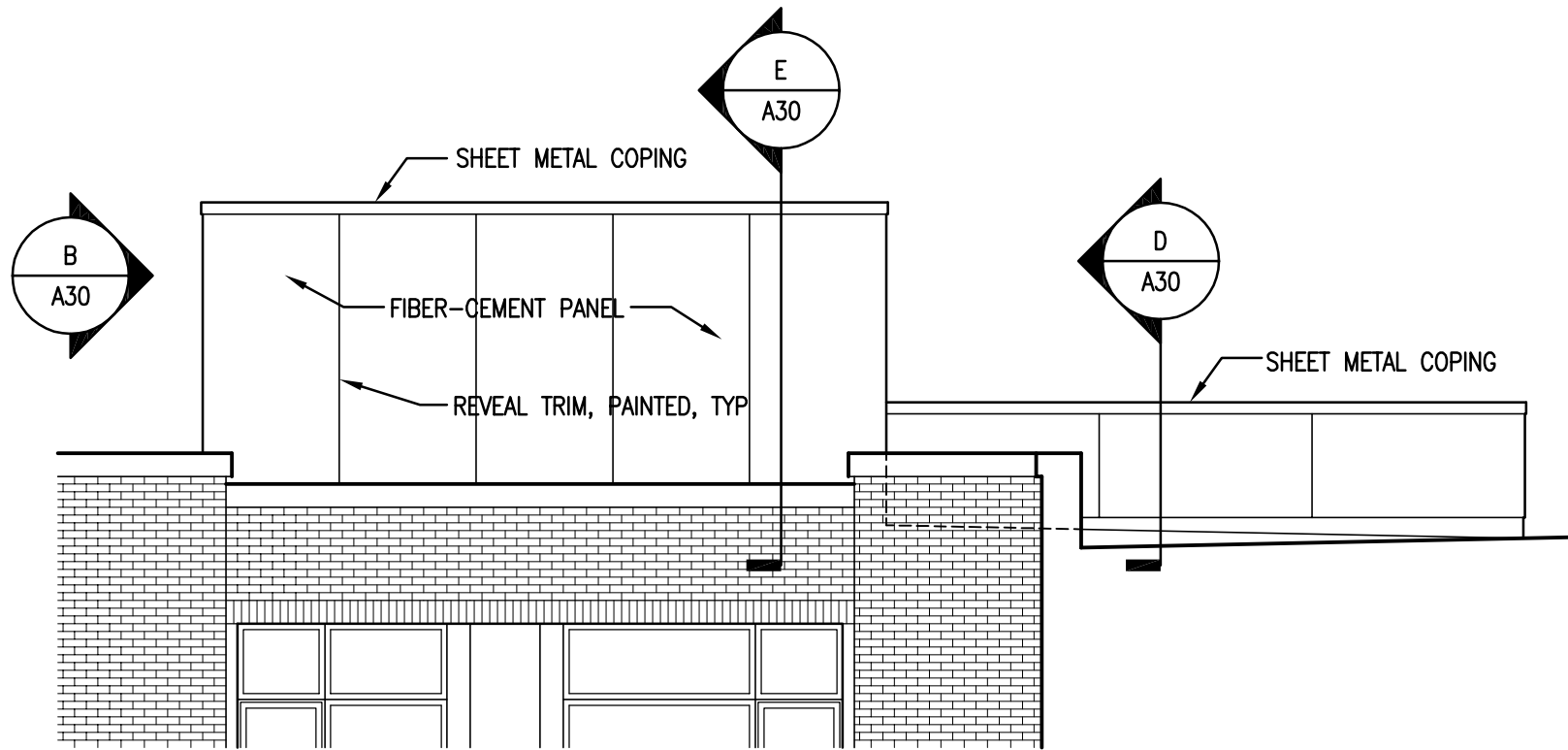


19 OUTDOOR FIREPLACE
30" x 14"

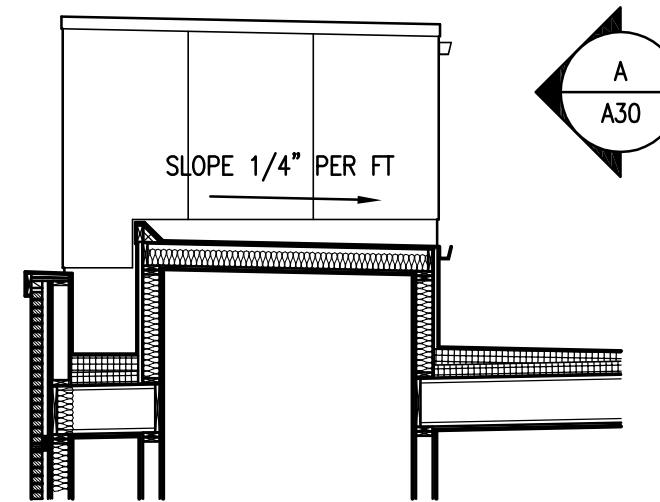


128310-03

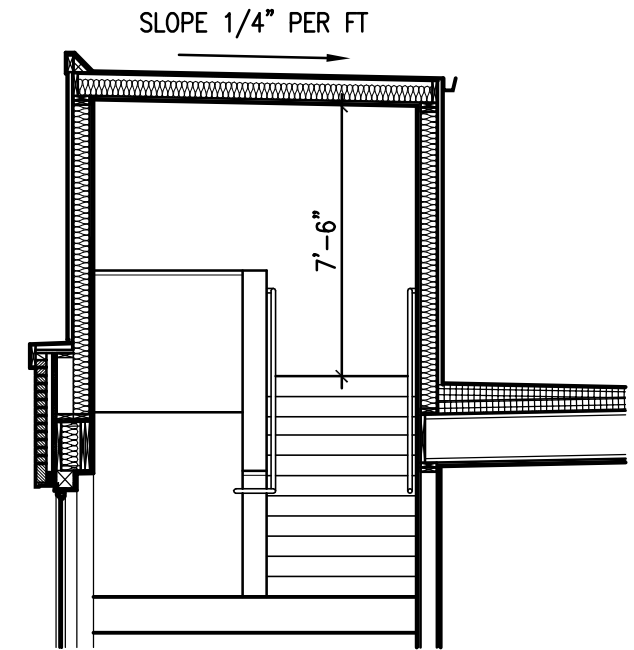




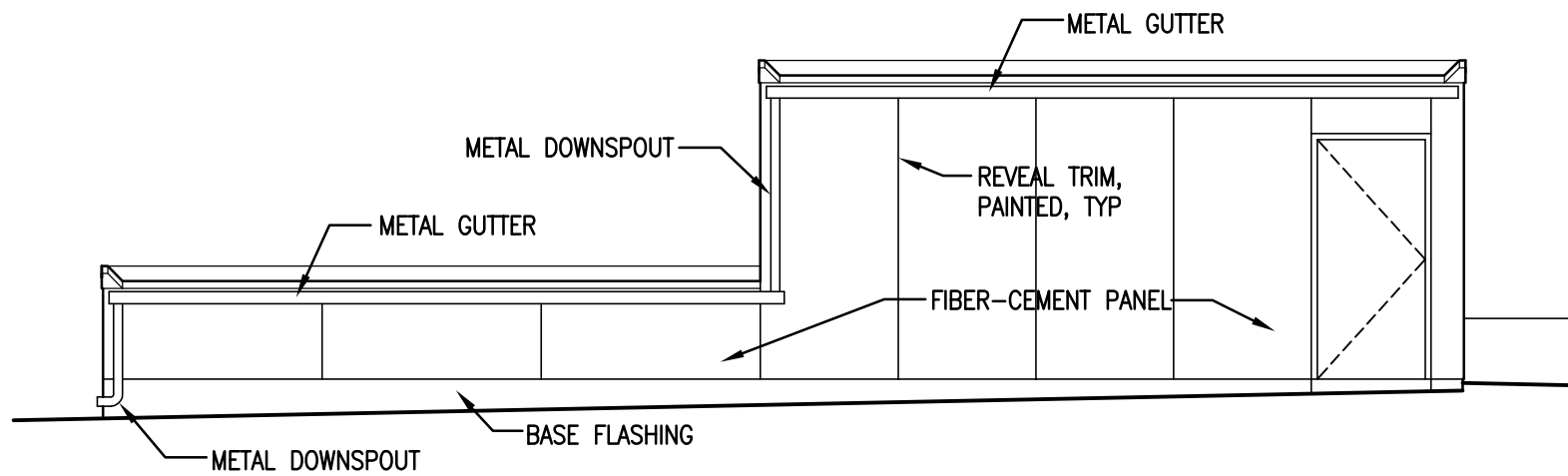
C STAIR PENTHOUSE / ELEVATOR OVERRUN ELEVATION
3/16" = 1'-0"



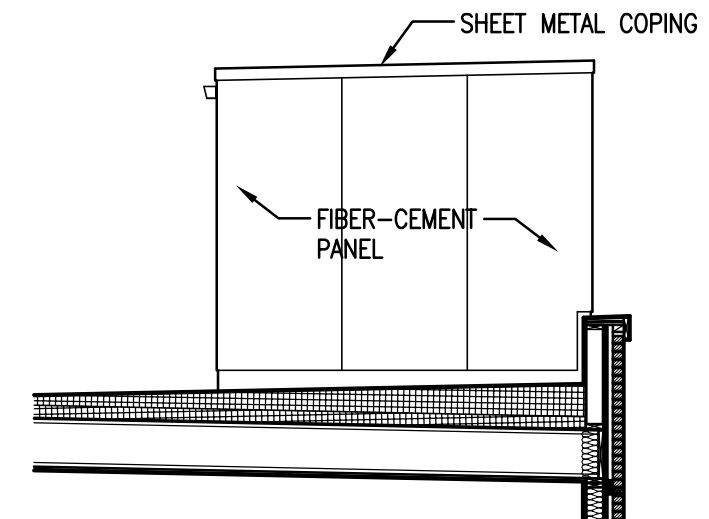
D ELEV OVERRUN SECTION
3/16" = 1'-0"



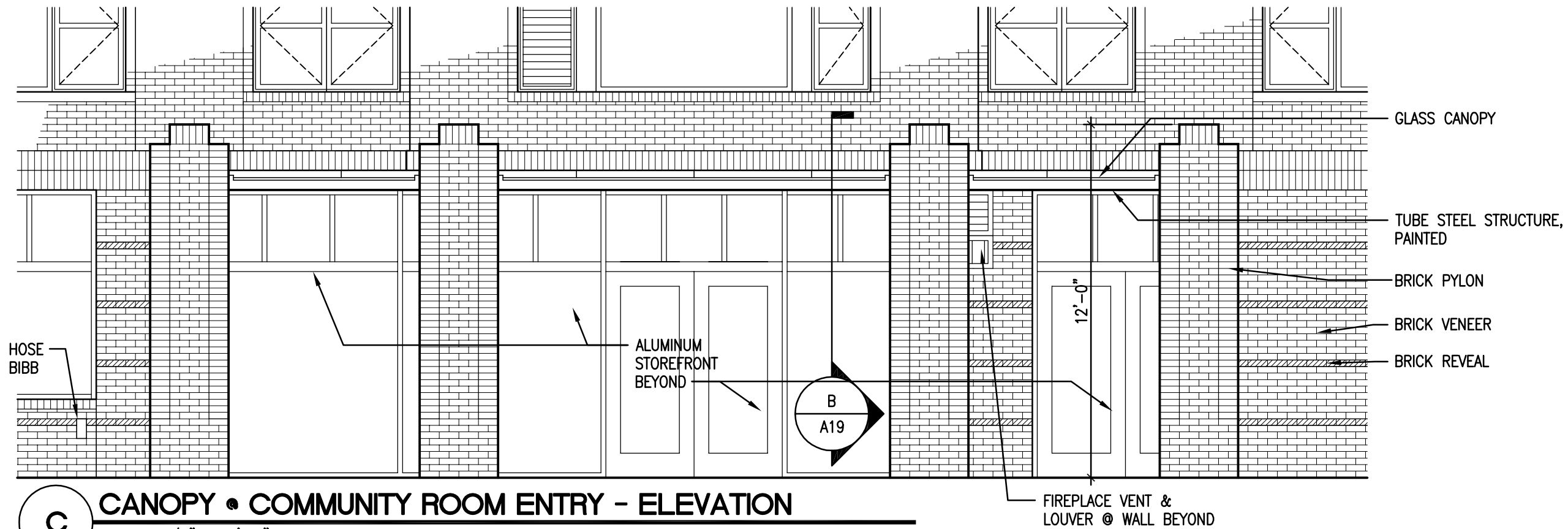
E STAIR PENTHOUSE SECT
3/16" = 1'-0"



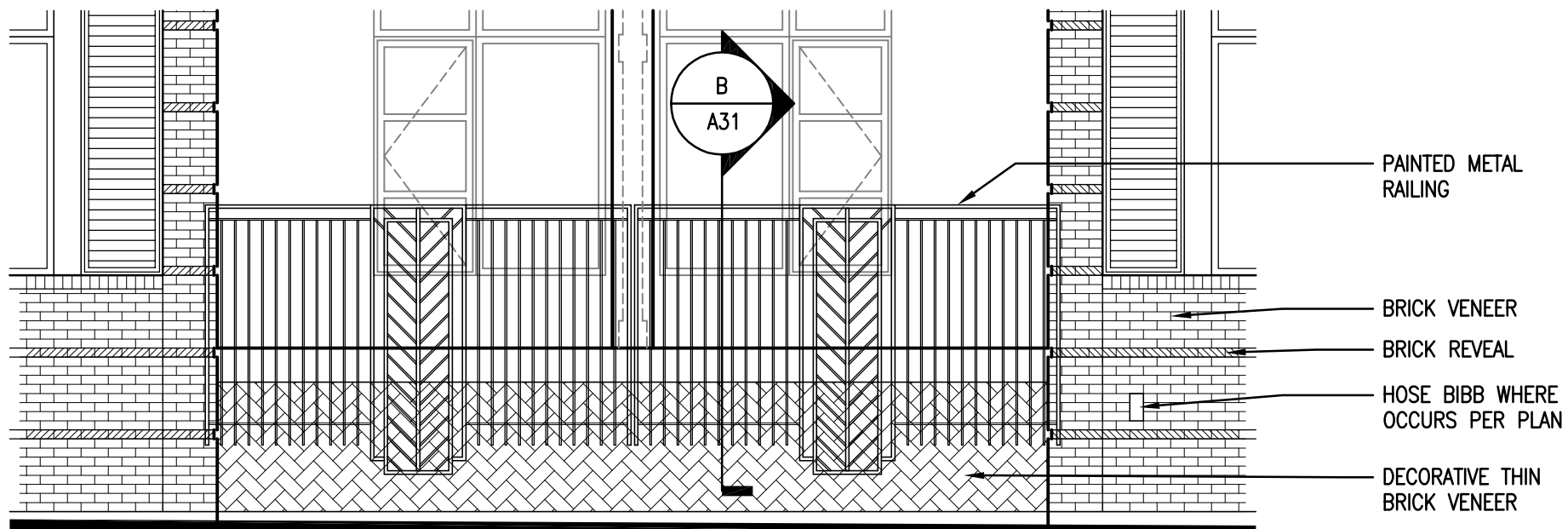
A STAIR PENTHOUSE / ELEVATOR OVERRUN ELEVATION
3/16" = 1'-0"



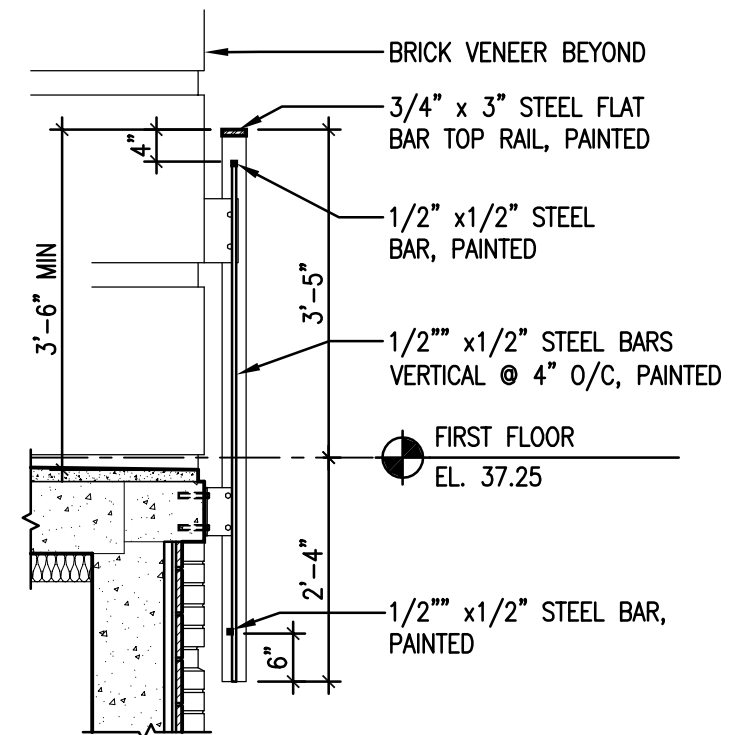
B STAIR PENTHOUSE ELEV
3/16" = 1'-0"



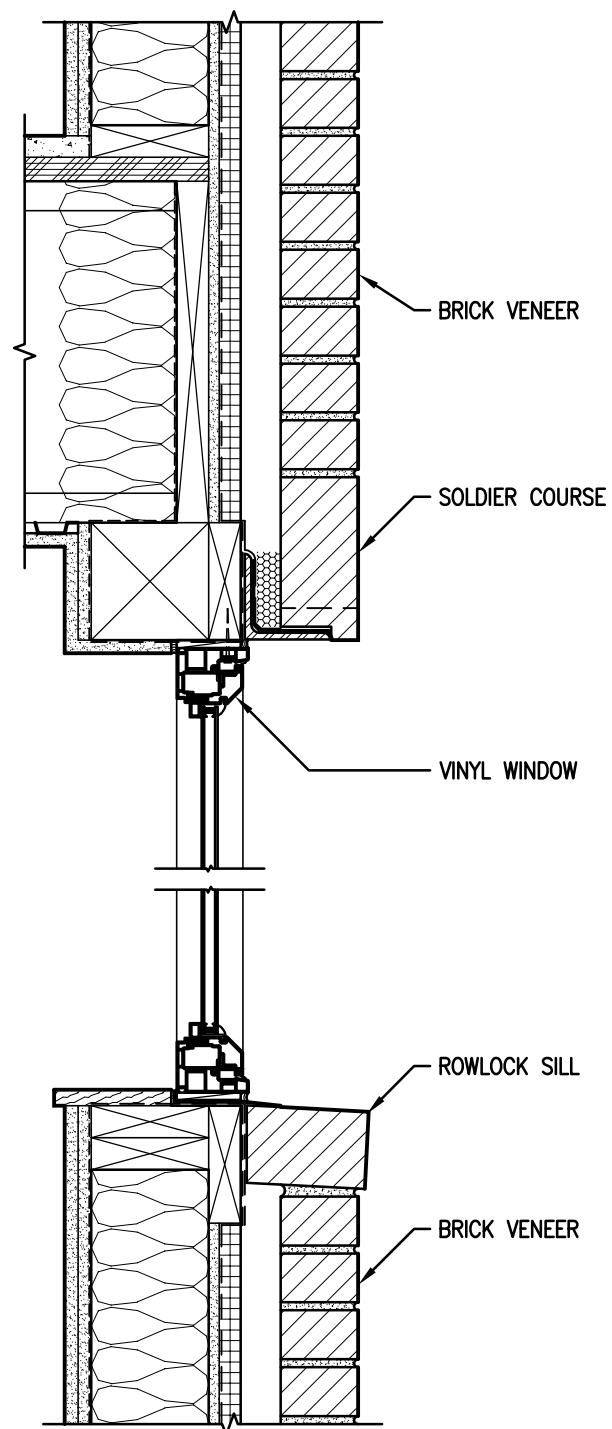
C CANOPY • COMMUNITY ROOM ENTRY - ELEVATION
SCALE: 1/4" = 1'-0"



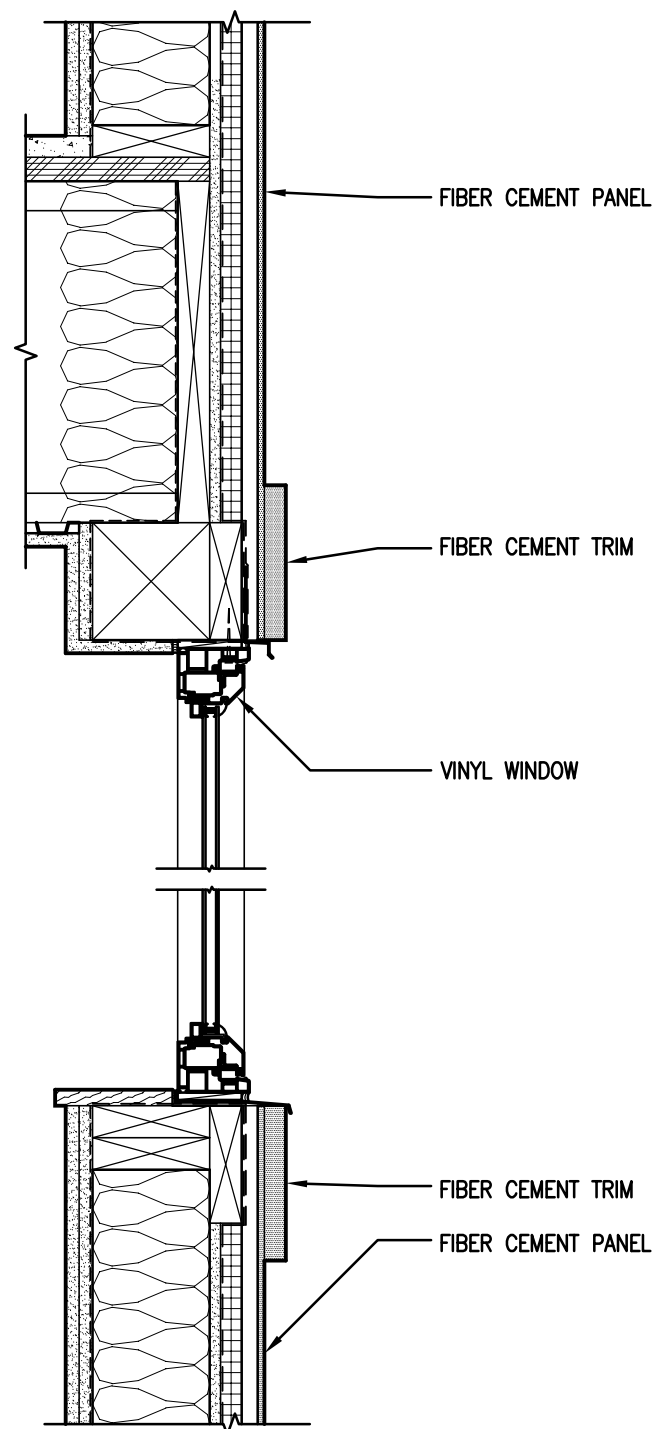
A GUARDRAIL • GROUND FLOOR UNITS - ELEVATION
SCALE: 1/4" = 1'-0"



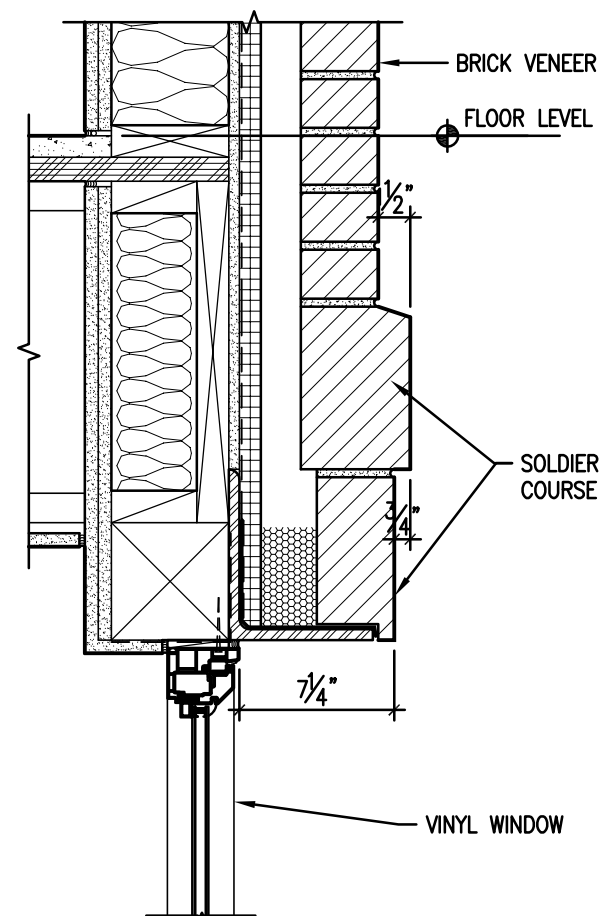
B GUARDRAIL - SECTION
SCALE: 1/2" = 1'-0"



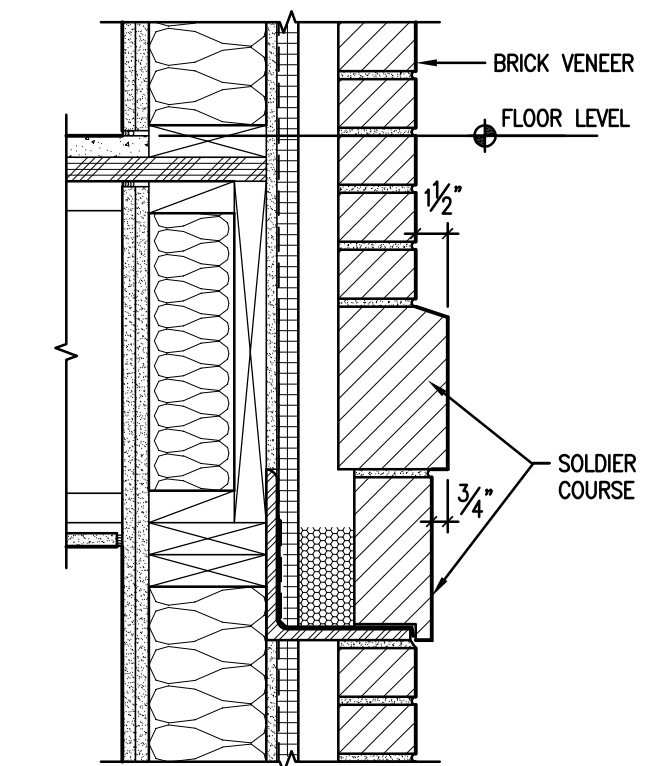
A WINDOW SECTION AT BRICK VENEER
1-1/2" = 1'-0"



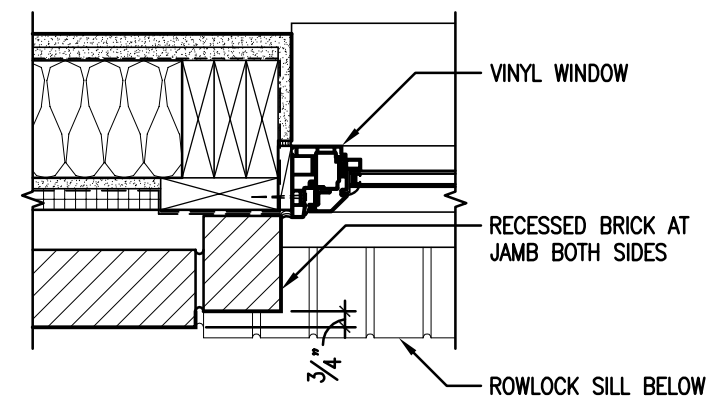
B WINDOW SECT • FIBER CEMENT PNL
1-1/2" = 1'-0"



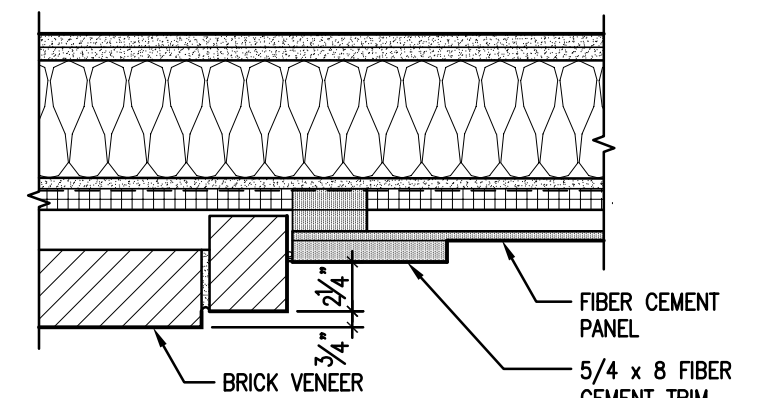
E WINDOW SECTION
1-1/2" = 1'-0"



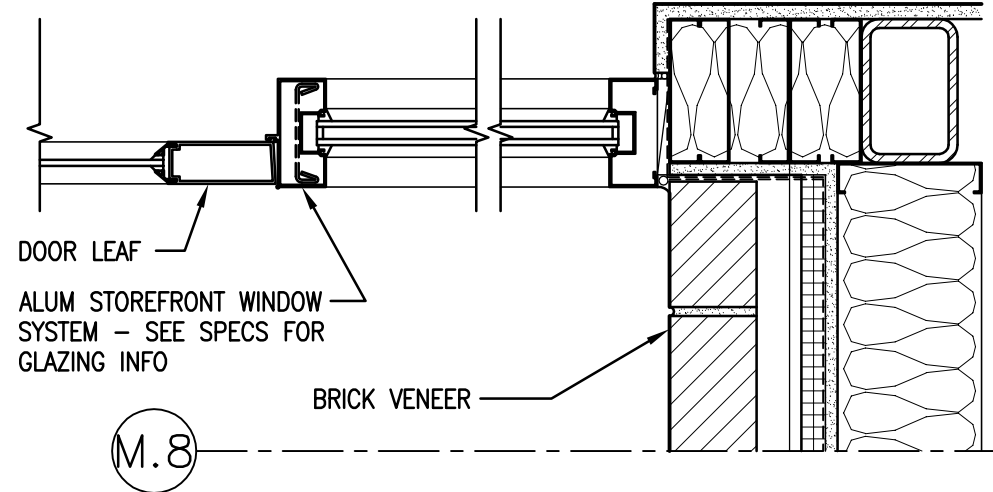
F BRICK DETAIL
1-1/2" = 1'-0"



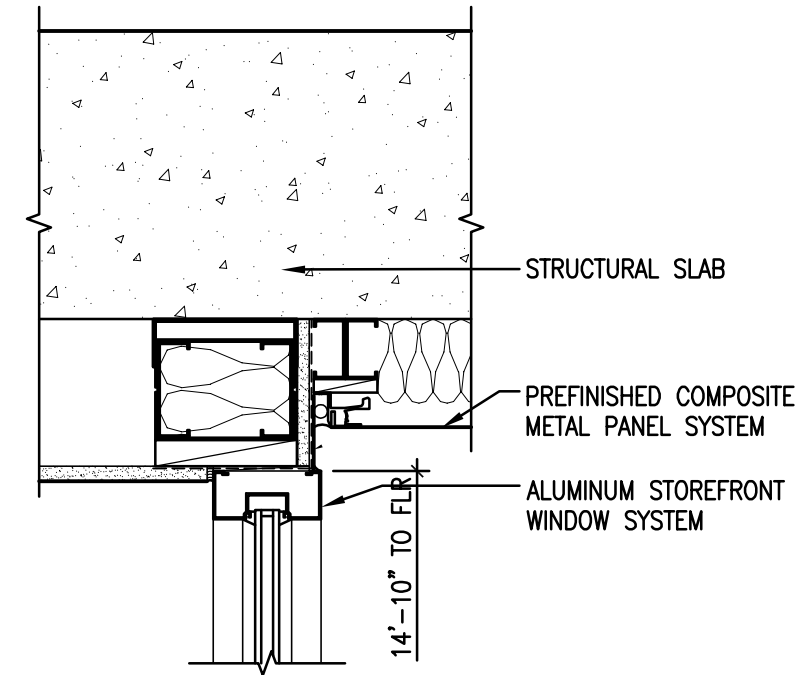
C WINDOW JAMB AT BRICK VENEER WALL
1-1/2" = 1'-0"



D BRICK JAMB AT CEMENT PANEL
1-1/2" = 1'-0"

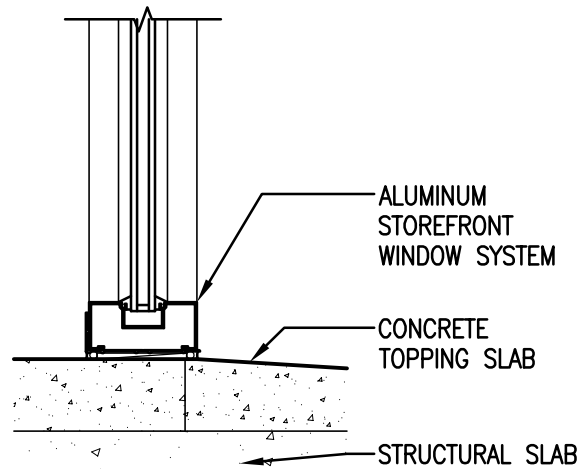


D STOREFRONT JAMB • DOOR + WINDOW
1-1/2" = 1'-0"



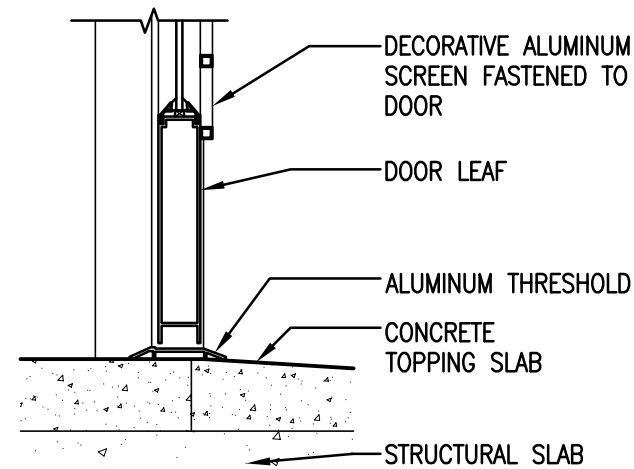
E STOREFRONT SECTION
1-1/2" = 1'-0"

NOTE: INTERIOR FLOOR FINISH MATERIALS NOT SHOWN FOR CLARITY

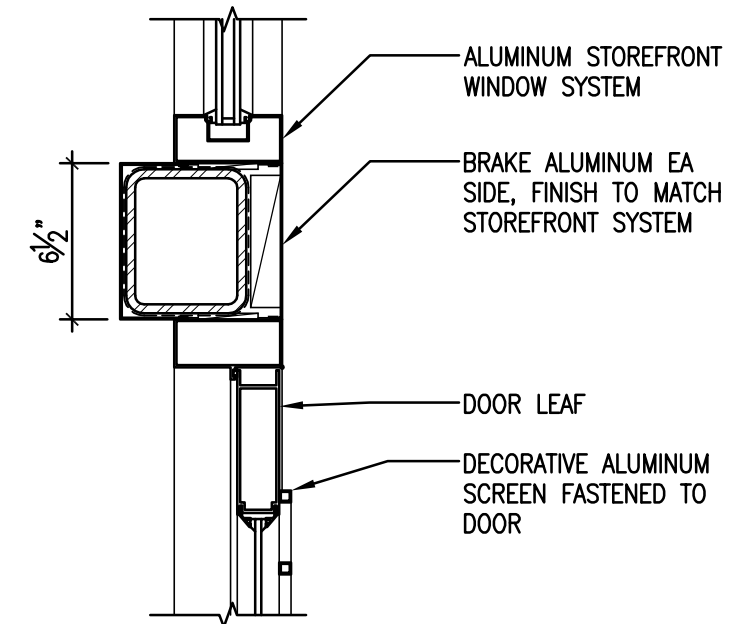


A STOREFRONT SILL
1-1/2" = 1'-0"

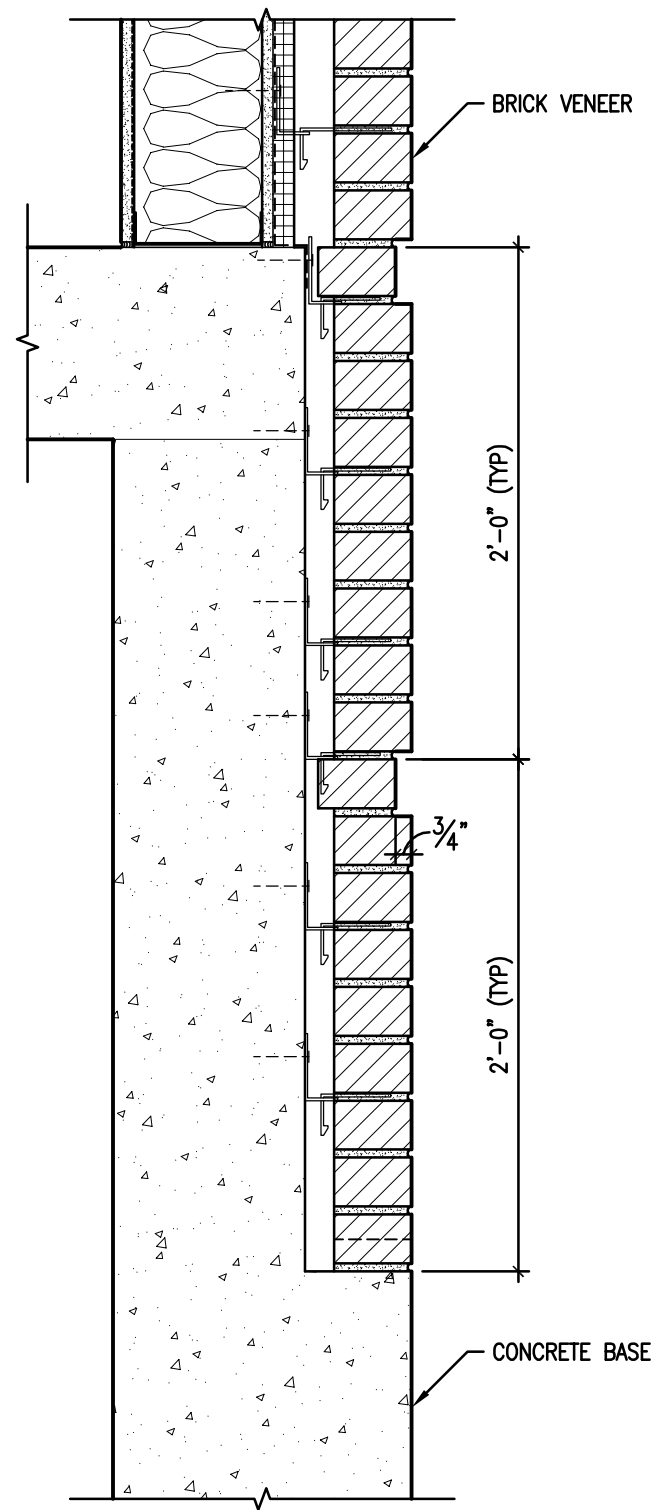
NOTE: INTERIOR FLOOR FINISH MATERIALS NOT SHOWN FOR CLARITY



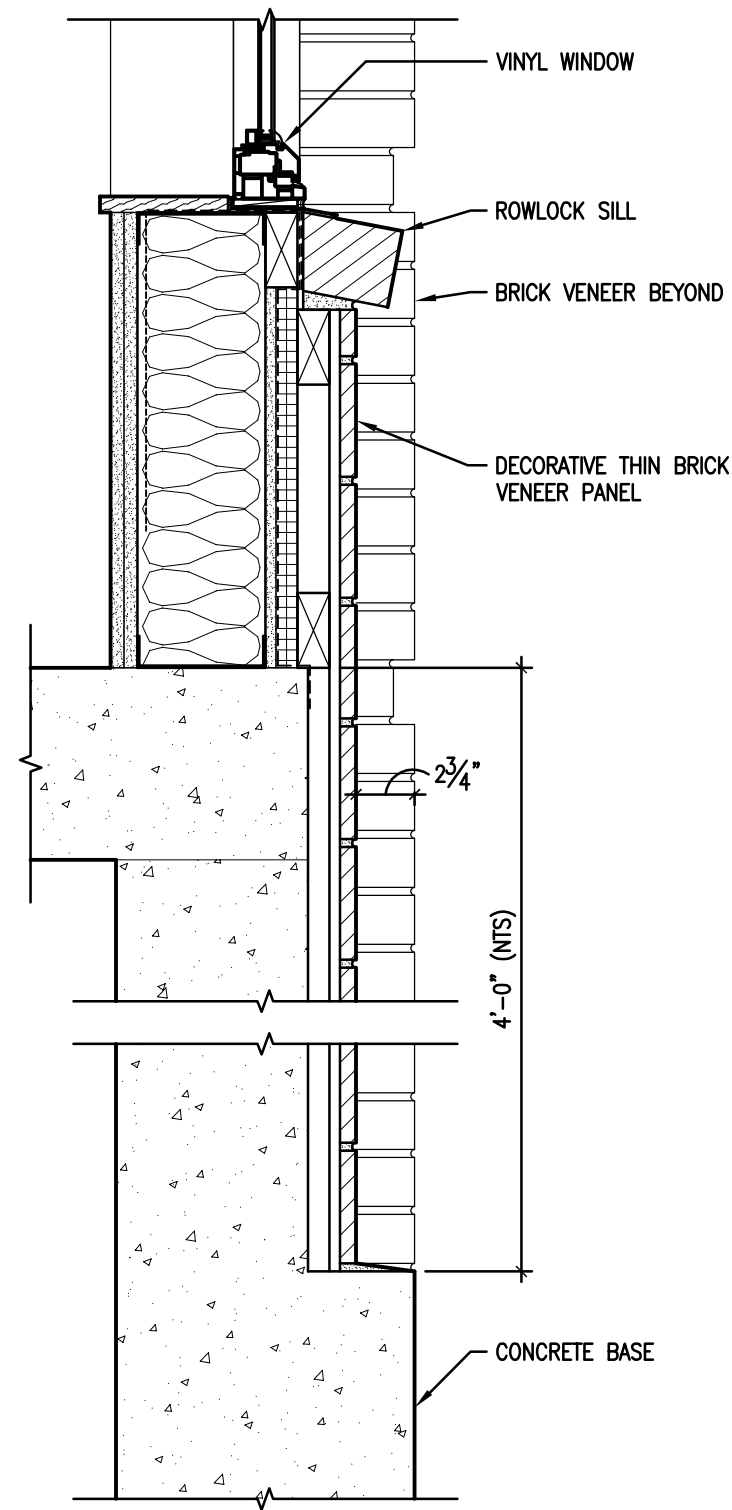
B STOREFRONT DOOR
1-1/2" = 1'-0"



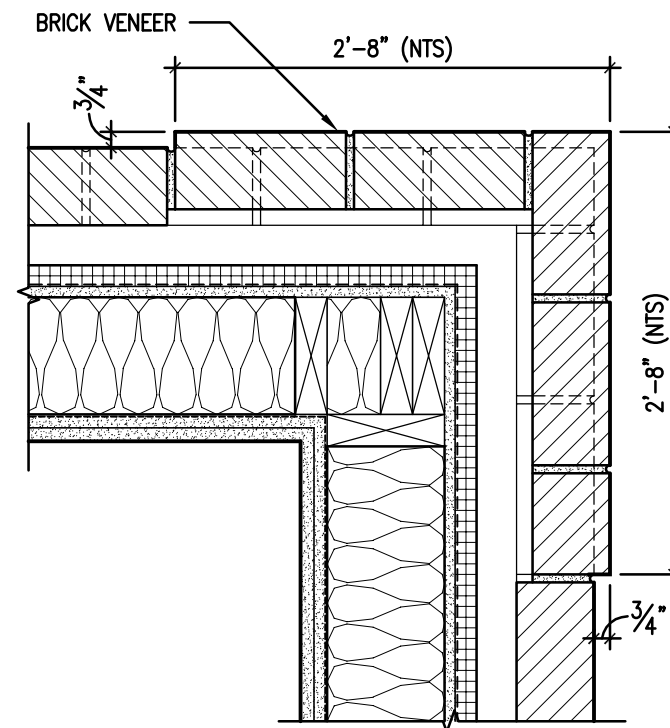
C STOREFRONT SECTION
1-1/2" = 1'-0"



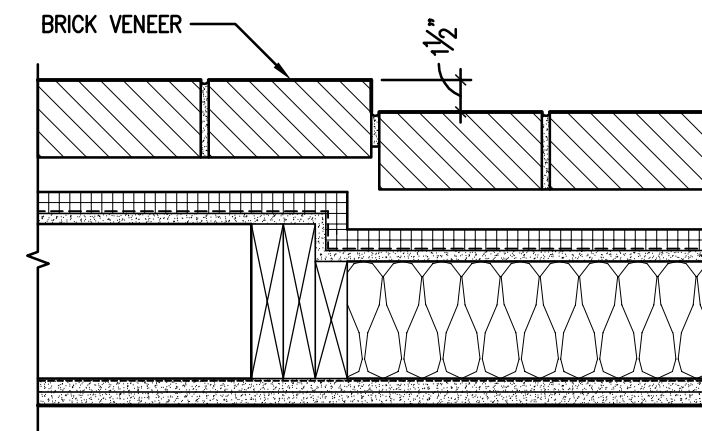
A TYPICAL WALL BASE
1-1/2" = 1'-0"



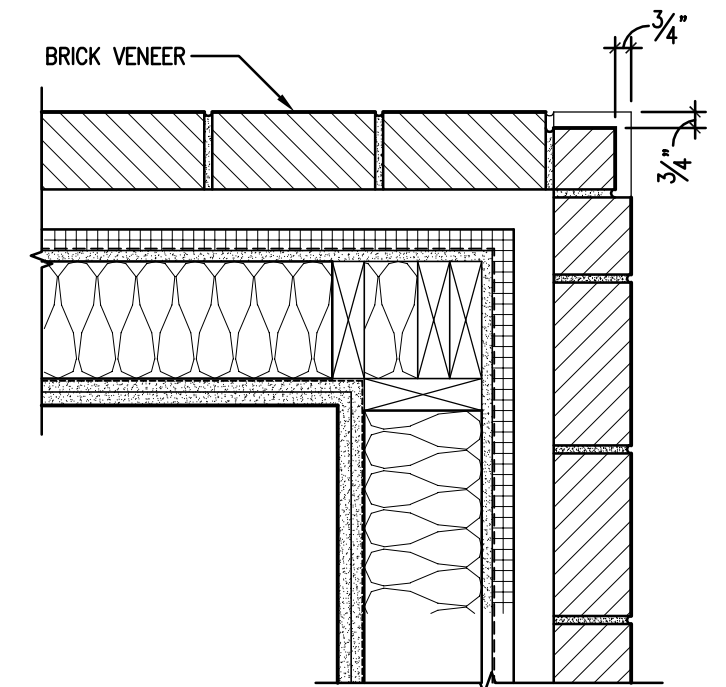
B WALL BASE AT WINDOW
1-1/2" = 1'-0"



E PLAN DETAIL AT CORNER
1-1/2" = 1'-0"



C PLAN DETAIL AT BRICK STEP
1-1/2" = 1'-0"



D PLAN DETAIL AT CORNER
1-1/2" = 1'-0"





DESCRIPTION

674 Luminous Wall Sconce features horizontal trim bars with a vertical fin detail and is ADA compliant. Design options, such as perforated metal, colored acrylic, and different trim bar configurations are available.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Material

Painted solid aluminum with a matte white acrylic diffuser with a regressed aluminum perf shield. Wet location lamp and ballast housing with 1/8" clear acrylic diffuser.

Finish

Premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.
Standard: Clear Anodized Aluminum (CAL).
Premium: White (WH), Black (BK), Grey (GY), Silver Metallic (SM), Gold Metallic (GM), Bronze Metallic (BM), Dark Platinum (DP), Graphite Metallic (GRM) or Custom Color (CC).

Optics

Refer to www.shaperlighting.com for complete photometrics.

Ballast

Integral electronic HPF multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

31": Two (2) 14WT5 linear miniature bi-pin fluorescent lamps.
43": Two (2) 21WT5 linear miniature bi-pin fluorescent lamps.
55": Two (2) 28WT5 linear miniature bi-pin fluorescent lamps.
Fluorescent socket injection molded plastic. Lamps furnished by others.

Installation

Supplied with a mounting back for a standard 4" J-box or stucco ring.

Options

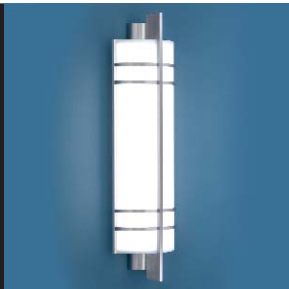
Modified Length - Contact factory, Alternative Trim Bars or Perf Accent Design - Contact factory, Green Glass Acrylic (GGA). Energy Star Rating - Contact factory.

Labels

U.L. and C.U.L. listed for wet location. ADA compliant.

Modifications

Shaper's skilled craftspeople with their depth of experience offer the designer the flexibility to modify standard exterior wall luminaires for project specific solutions. Contact the factory regarding scale options, unique finishes, mounting, additional materials/colors, or decorative detailing.

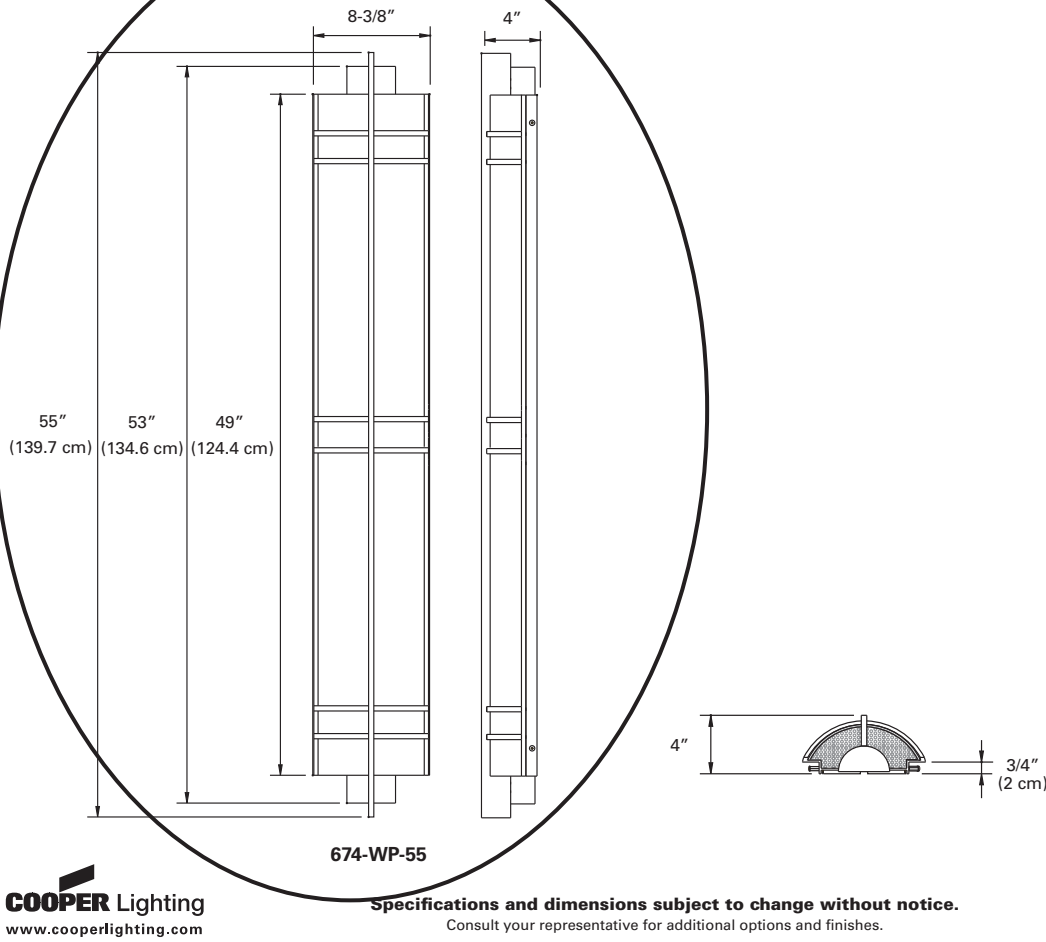
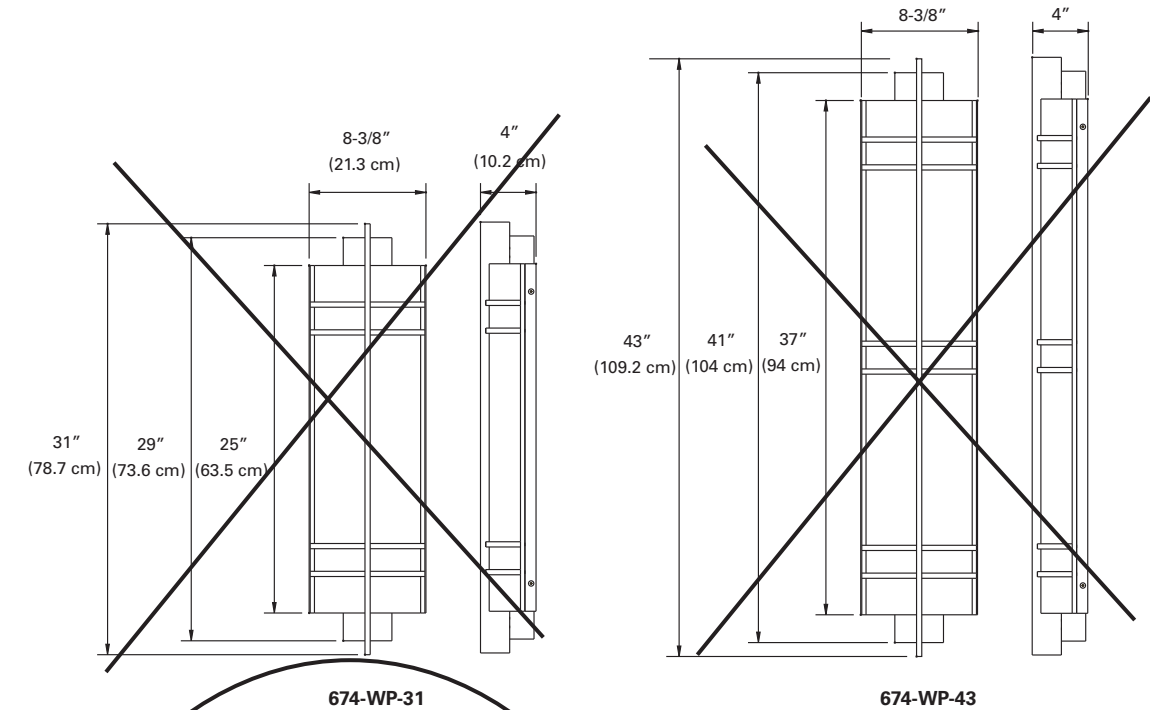


674-WP SERIES

Exterior Wall Luminaire
Luminous Sconce



MOUNTING TYPE



ORDERING INFORMATION

Sample Number: 674-WP-55-T5/2/28-277V-CAL

Series	Size	Lamp	Voltage	Finish ⁴	Options
674-WP =Luminous Wall Sconce	31" 43" 55"	T5/2/14 ¹ T5/2/21 ² T5/2/28 ³	120V 277V 347V	Standard. CAL =Clear Anodized Aluminum Premium BK = Black BM =Bronze Metallic CC =Custom Color DP =Dark Platinum GM = Gold Metallic GRM = Graphite Metallic GY = Grey SM =Silver Metallic WH = White	GGA =Green Glass Acrylic

¹ Available in 31".
² Available in 43".
³ Available in 55".
⁴ Premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.

ARRA

Shaper Lighting certifies that its products satisfy the requirements of Section 1605 of the American Recovery and Reinvestment Act (also known as the ARRA Buy American provision).

AMERICAN DISABILITIES ACT (ADA)

Shaper offers a large selection of ADA interior and exterior wall luminaires. ADA requires all fixtures below 68" to have a maximum projection of 4".

ENERGY STAR

Shaper now offers a wide variety of fixtures that can be provided with an Energy Star Rating.

Refer to the Icon Legend
Link on shaperlighting.com.

EXTERIOR
ARCHITECTURAL
FACADE LIGHTING



SPECIFICATIONS

Optical Housing - Constructed of a heavy duty single piece die-cast 360 low copper content aluminum.

Ballast Enclosure - Constructed of a heavy duty single piece die-cast 360 low copper content aluminum. The base plate is attached to the ballast enclosure by a stainless steel safety cable

Lens Doorframe - The doorframe is heavy duty single piece die-cast 360 low copper content aluminum. Flush captive stainless steel bolts fasten the doorframe to the optical housing.

Lens - A single piece molded silicone gasket seals the primary and any optional lenses between the doorframe and optical housing. The standard lens is 3/16" tempered glass and covers the optional Dichroic Lens when used. The design of the unique gasket allows the Dichroic Lens option to be easily installed or changed in the field.

Aiming Knuckle - Constructed of die-cast 360 low copper content aluminum. A The aiming knuckle attaches the optical housing to the ballast compartment and allows for a ± 90° vertical adjustment and 350° rotation. flush stainless steel socket head bolt, die-cast teeth and silicone gaskets insure solid aiming positions are retained.

Electrical - All ballasts and power supplies are integral to the fixture. All fixtures are tested prior to shipment.

Ceramic Metal Halide ballasts are electronic, high power factor, "A" sound rated and have a THD of less than 10%, available in 120V or 277V.

LED power supplies are available in 120V or 277v with a 24V output.

Pulse Start Metal Halide ballasts are HPF core/coil assemblies available in 120V - 347V.


Finish - Finish: Outdoor grade polyester powder paints with UV inhibitors are used to provide a textured finish with a minimum thickness of 3mil. A multi-stage phosphate pre-treatment wash is utilized in our automated in-house dry powder painting system.

Labels - The Masque fixtures are UL/CUL approval for use in wet locations, mounted in any position.


* DMX Programmable, please see DMX Control spec. sheets

Insight Lighting reserves the right to change specifications without notice due to product improvements.

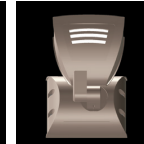
FASCIA OPTIONS




PNF
Panel Fascia



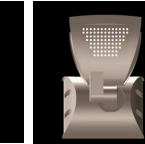
SPF
Staggered Pattern




HPF
Horizontal Pattern



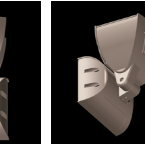
VPF
Vertical Pattern



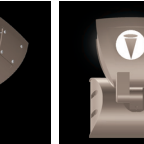
PPF
Perforated Pattern



RPF
Rectangular Pattern




ISO
Illuminated Solid Offset




CPF
Custom Fascia

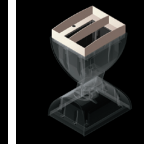
EXTERNAL SHIELD OPTIONS



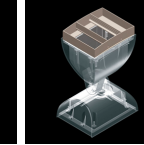
ECB
Cross Baffle
Shielding in vertical and horizontal planes.



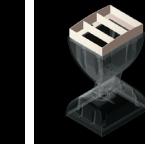
EAH
Adjustable Horizontal Baffle
Glare cutoff in the vertical plane. Field adjustable.



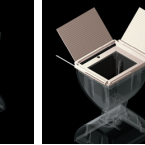
EHB
Horizontal Baffle
Glare cutoff in the vertical plane.



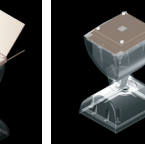
EAV
Adjustable Vertical Baffle
Glare cutoff in the horizontal plane.



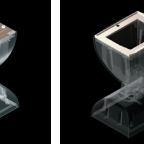
EVB
Vertical Baffle
45° shielding for low brightness lateral cutoff.



BD
Barn Doors
Flexible framing of the beam pattern.



FS
Adjustable Framing Snoot
Glare control for precise beam framing.



VS
Cutoff Visor
Shielding for cutoff in front of the luminaire.

TYPE: _____

JOB NAME: _____

APPROVAL: _____

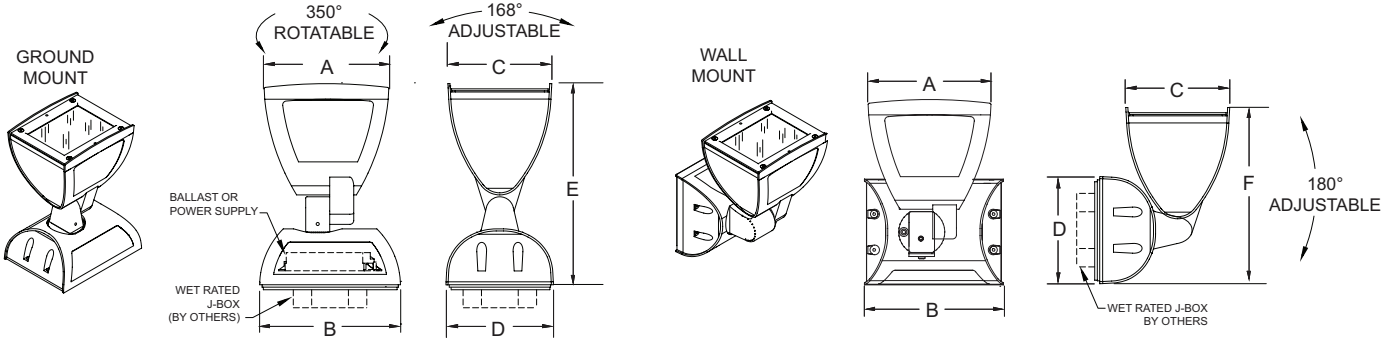


INSIGHT
Rio Rancho, NM 87144
Tel: 505-345-0888
www.insightlighting.com

11/14/11 Page 1 of 4

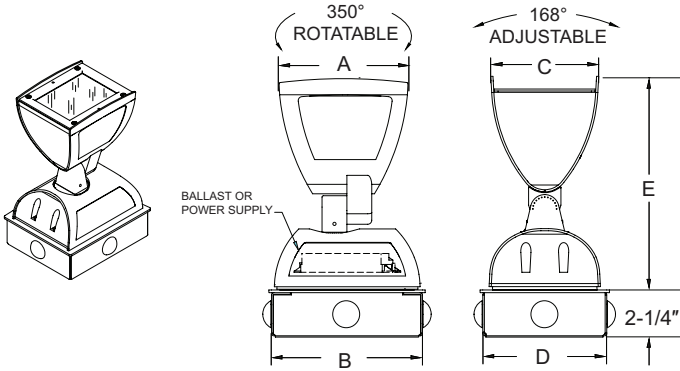
EXTERIOR
ARCHITECTURAL
FACADE LIGHTING

SM - SURFACE, WALL, GROUND



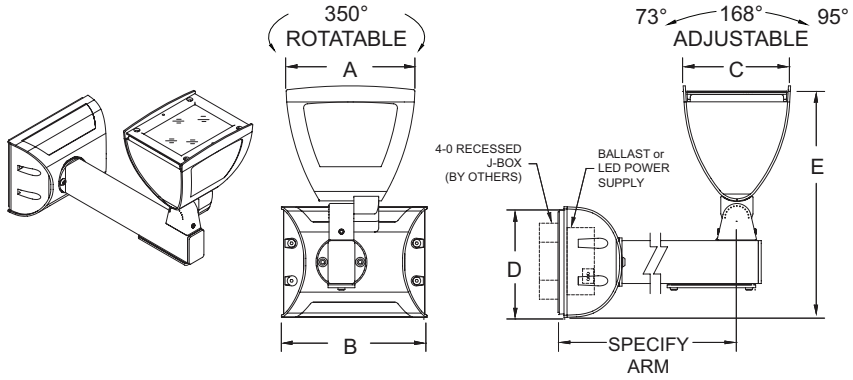
PRODUCT	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F
MASQUE I	6"	6-3/4"	5"	5-1/8"	9-5/8"	8-5/8"
MASQUE II	7-1/4"	9"	6-7/8"	7-1/4"	13-3/4"	12-1/8"
MASQUE III	9"	9"	8-1/2"	7-1/4"	14-1/4"	13-1/8"
MASQUE IV	14-7/8"	13-1/8"	12-3/4"	9-1/2"	21"	18-1/8"

CM - CONDUIT MOUNT



PRODUCT	DIM A	DIM B	DIM C	DIM D	DIM E
MASQUE I	6"	7-1/4"	5"	6"	9-5/8"
MASQUE II	7-1/4"	9"	6-7/8"	7-1/4"	13-3/4"
MASQUE III	9"	9"	8-1/2"	7-1/4"	14-1/4"
MASQUE IV	14-7/8"	13-3/8"	12-3/4"	9-13/16"	21"

EX - EXTENDED ARM



FOR USE AS UPLIGHT ONLY

PRODUCT	DIM A	DIM B	DIM C	DIM D	DIM E
MASQUE I	6"	6-3/4"	5"	5-1/8"	10-3/4"
MASQUE II	7-1/4"	9"	6-7/8"	7-1/4"	12-1/8"
MASQUE III	9"	9"	8-1/2"	7-1/4"	13-1/8"
MASQUE IV	14-7/8"	13-1/8"	12-3/4"	9-1/2"	18-1/8"

Specify Arm Length:
Masque I: Specify 6", 12", 18" or 24"
Masque II: Specify 8", 12", 18" or 24"
Masque III & IV: Specify 12", 18" or 24"

INSIGHT
Rio Rancho, NM 87144
Tel: 505-345-0888
www.insightlighting.com

DESCRIPTION

Cambria 922 is a small dimmable LED or MR16 low voltage sign lighting luminaire. It attaches to a wall mounted straight arm and delivers full vertical adjustment for easy aiming. Optional 24 in., 30 in. or 36 in. straight arms are available in lieu of the standard 14-3/4 in. arm. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects. Lumiere's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Material

Housing, hood, straight arm and wall mounting plate are precision-machined from corrosion-resistant billet stock 6061-T6 aluminum, C360 brass, C932 bronze, C110 copper or 303/304 stainless steel.

B ... Finish

Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

C ... Brass, Bronze, Copper or Stainless Steel

Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina naturally over time.

D ... Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Weep holes prevent water and mineral stains from collecting on the lens, even in the straight-up position.

E ... Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

F ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

G ... Adjustable Mounting Arm

Standard 14-3/8" straight arm with adjustable side swivel provides 340° of vertical adjustment for easy aiming. Center rear swivel also available, providing 195° of vertical adjustment. Optional 24", 30" or 36" straight arms are available in lieu of standard 14-3/8" arm (specify option -SA24, -SA30 or -SA36). Stainless steel aim-locking mechanisms are standard. 4-1/4" diameter wall mounting plate attaches directly to standard J-box with provided screws. Lumiere's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

H ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

I ... Socket

Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.

J ... Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory - see the Accessories & Technical Data section of the catalog for details. NOTE: initial power draw on LED equipped fixtures is 15 watts. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 6 watts or 10 watts respectively.

K ... Lamp

Halogen lamp not included. Available from Lumière as an accessory. LED modules are included and are available in four color temperatures (2700, 3000, 4000 and 5700) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering - see reverse side for details and catalog logic.

L ... Labels & Approvals

UL and cUL listed, standard wet label. IP65 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

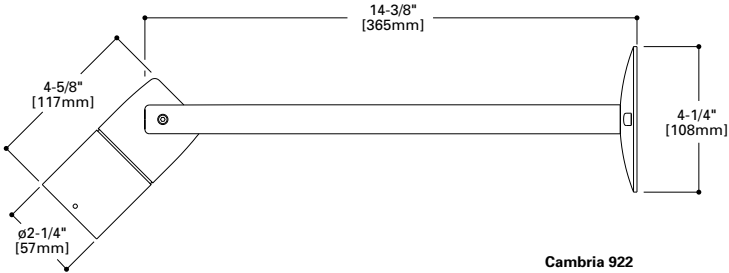
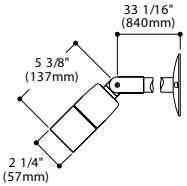
M ... Warranty

Lumière warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.



CAMBRIA
922

10W LED
6W LED
50W (max.) MR16
LED
Halogen
Low Voltage
Sign Light



Cambria 922

Recessed Lighting, Type SF

PORTFOLIO™

DESCRIPTION

4 inch LED recessed medium beam wall wash specially designed for LED technology. Two-stage reflector system combined with gradient kicker, produces high levels of uniform vertical illumination on the wall with minimal source brightness. Lumen packages include 900 and 1300 delivered lumens with color temperatures of 2700K, 3000K, 3500K, 4000K. Suitable for commercial construction and exceeds high efficacy requirements (with designated trims) for IECC-2009.

SPECIFICATION FEATURES

Lower Wall Wash Reflector

Lower Wall Wash Reflector
Spun .050" thick aluminum lower reflector with gradient kicker in combination with a lensed upper optical chamber provides superior lumen output, high level vertical illumination with minimal source brightness. Available in all Portfolio Alzak® finishes.

Trim Retention

Lower reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

Plaster Frame / Collar

New Construction Housing: Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2". Remodel Housing: Galvanized steel plaster ring adjusts to accept up to 1" ceiling thickness.

Universal Mounting Bracket

Accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling (new construction housing only).

Junction Box

(4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring.

Thermal

Extruded aluminum heat sink conducts heat away from the LED module for improved performance and longer life.

LED

LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation. Rated for 50,000 hours at 70% lumen maintenance. Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded. Color variation within 3-step MacAdam ellipses. Flexible disconnect allows for tool-less replacement of LED engine from below ceiling.

Driver

Driver can be serviced from above or through the aperture.

Environmental

Fixture should not be operated in ambient temperatures above 40° C.

Code Compliance

Thermally protected and cULus listed for protected damp locations. Optional City of Chicago environmental air (CEEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated - Insulation must be kept 3" from top and sides of housing. RoHS Compliant. ARRA Compliant. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards.

Warranty

5 year warranty.



LD409
LD413
LD4R09
LD4R13

4LM111

LED

4 Inch

Medium Wall Wash

New Construction or Remodel

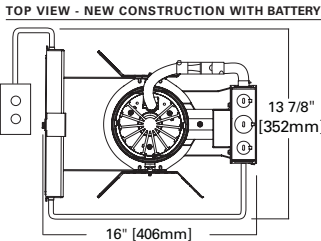
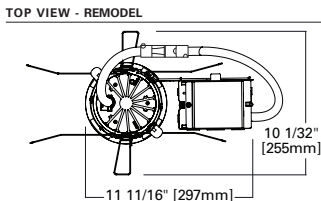
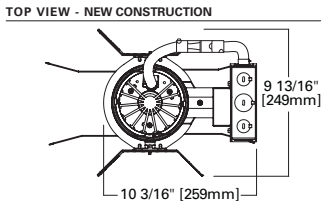
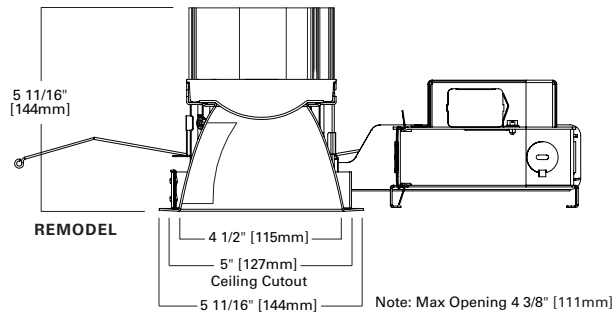
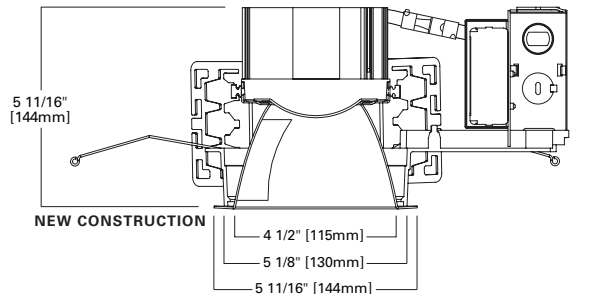


Qualified & Compliant with designated LED modules and trims.

Energy Data

Sound Rating: Class A standards	
Operating Temperature: 40°C (104°F)	
1300 Lumen	
(Values at non-dimming line voltage)	
Minimum Starting Temp: -30°C (-22°F)	
EMI/RFI: FCC Title 47 CFR, Part 18, Class B	
Input Voltage: UNV (90V - 305V)	
Power Factor: >0.90 (at nominal input 120/230/240/277 VAC & 100% of Rated Output Power)	
Input Power: 24.8W	THD: <21%
120V Input Current: .21A	277V Input Current: .09A
Maximum Non-IC Ambient Continuous	
Input Frequency: 47-63Hz	
Rated Wattage: 24.8W	
900 Lumen D120 / D010	
(Values at non-dimming line voltage)	
Minimum Starting Temp: -30°C (-22°F)	
EMI/RFI: FCC Title 47 CFR, Part 18, Class B (Consumer)	
Input Voltage: 120/120-305V	
Power Factor: >0.90	
Input Power: 14.3W	THD: <20%
Input Frequency: 50/60Hz	
Rated Wattage: 14.3W/17.5W	

ADP110788
2011-08-22



Specifications and dimensions subject to change without notice.
Consult your representative for additional options and finishes.

COOPER Lighting
www.cooperlighting.com

Step Light, Type SA



KIM LIGHTING

Type:

Job:

Fixture Catalog number:

/

Fixture Mode Finish

Specifications

Housing: Die-cast low copper alloy (<0.6% Cu) aluminum with clear anodized finish. Two ½" NPT in sides. Housing mounts into concrete, brick, or masonry (non-combustible materials). Internal splice area provided behind lamp plate.

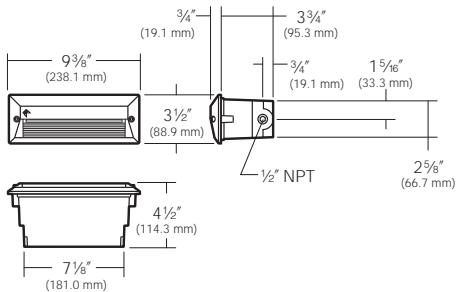
Lens Frame: Die-cast aluminum, with silicone gasket, attaches to housing with two captive 10-32 stainless steel, hex socket cap screws.

Lens: Tempered prismatic glass with silicone gasket, concealed above lens frame opening.

Finish: On lens frame only, Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black (**BL**), Dark Bronze (**DB**), and Verde Green (**GR**).

Optical System: A total of 3 or 9 LED emitters are configured together as a module. Available in3500K and 5100K.

Driver: Universal Voltage from 120 to 277V with a ±10% tolerance. -40° F. starting temperature. All drivers are Underwriters Laboratories recognized.



HUBBELL®
Hubbell
Lighting, Inc.



Wall, Step, Path Light **EL807**
120 / 277 Volt Die-Cast Aluminum LED

revision 4/11/11 • el807.pdf

Approvals:

Date:
Page: 1 of 1

ORDERING INFORMATION

Fixture	Source
<input type="checkbox"/> EL807 / 3L3KUV ¹	3.6W, 3 LED's, 3500K
<input type="checkbox"/> EL807 / 3L5KUV ¹	3.6W, 3 LED's, 5100K

Fixture	Source
<input type="checkbox"/> EL807 / 9L3KUV ¹	10.8W, 9 LED's, 3500K
<input type="checkbox"/> EL807 / 9L5KUV ¹	10.8W, 9 LED's, 5100K

¹ Universal Voltage from 120 to 277V with a ±10% tolerance.
For 3.6W, Max Amps. are .030 for 120V, .020 for 208V, .015 for 240V, .013 for 277V. For 10.8W, Max Amps. are .090 for 120V, .050 for 208V, .045 for 240V, .040 for 277V..

Finish

- ☐ **BL** - Black
☐ **DB** - Dark Bronze
☐ **GR** - Verde Green

Listings and Ratings

UL cUL 1598 ¹	IP66 Rated	25C Ambient
--------------------------	------------	-------------

¹Suitable for wet locations
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

© 2011 KIM LIGHTING • P.O. BOX 60080, CITY OF INDUSTRY, CA 91716-0080 • TEL: 626/968-5666 • FAX: 626/369-2695

5642111101

Wall & Column Sconce, Type SB & SC

LUMIÈRE®

DESCRIPTION

Westwood 904 and 904-2 are small dimmable LED or MR16 low-voltage halogen luminaires. Model 904 provides downlight or uplight by way of its 180° rotational fixture head. Model 904-2 provides combination uplight and downlight. A square shroud option (-SQS) is available in both models, offering rectilinear styling instead of cylindrical. Both models mount directly to any wall surface or over a standard 4-inch J-box and require a remote 12-volt step-down transformer (not included). Various lenses, louvers, and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects.

SPECIFICATION FEATURES

A ... Material

Housing and hood are precision-machined from corrosion-resistant 6061-T6 aluminum billet, brass, bronze or stainless steel. Mounting canopy is constructed from corrosion-resistant silicone aluminum, brass, bronze or stainless steel.

B ... Finish Painted

Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available. Brass, Bronze or Stainless Steel Fixtures constructed from brass, bronze or stainless steel are left unpainted to reveal the natural beauty of the material. Brass and bronze will patina naturally over time.

C ... Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Weep holes prevent water collection on the uplight position.

D ... Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

E ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

F ... Mounting

Both models mount directly to wall surface or over a standard 4" J-box and require remote 12V step-down transformer (not included). Model 904 provides downlight or uplight. Model 904-2 provides non-adjustable uplight and downlight. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

G ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

H ... Socket

Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.

I ... Electrical

Remote 12V transformer required (not included). NOTE: initial power draw on LED equipped fixtures is 15 watts. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 10 or 6 watts accordingly. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate between 10 and 13 volts. Any less or more voltage can cause premature failures.

J ... Lamp

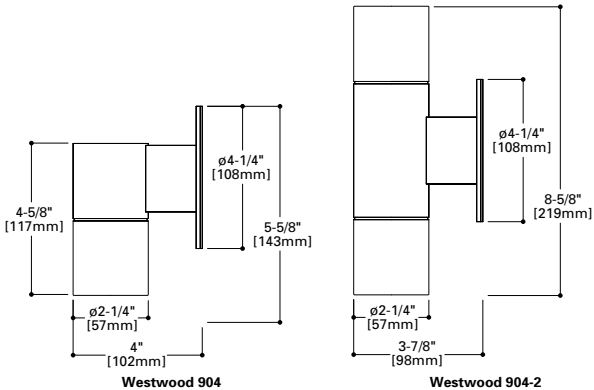
Halogen lamp not included. Available from Lumiere as an accessory - see reverse side for details and catalog logic. LED modules are included and are available in four color temperatures (2700,3000,4000, and 5700) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering - see reverse side for details and catalog logic.

K ... Labels & Approvals

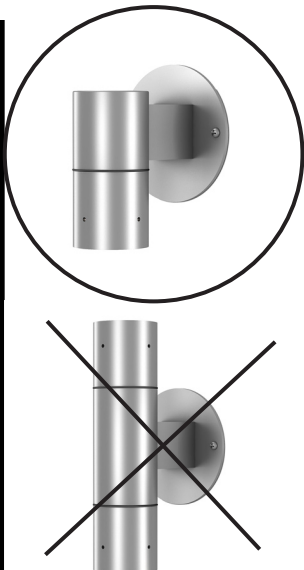
UL and cUL listed, standard wet label. IP65 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

L ... Warranty

Lumière warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.



Catalog #		Type
Project		
Comments		Date
Prepared by		



WESTWOOD

904

904-2

10W LED
6W LED
50W (max.) MR16
Low Voltage

Wall

IP65

ADL032500
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Courtyard Trellis, Type SD

LUMIÈRE® energy solutions

DESCRIPTION

Cambria 203 is a small, low voltage dimmable LED and halogen MR16 luminaire. It is available with a fully adjustable side swivel stem (203, 203-FL), an adjustable center rear swivel (203-CRS) or a stationary rear flush mount (203-FM). Side swivel models 203 and 203-FL provide 340° tilt and 360° rotation. Center rear swivel model CRS provides 200° tilt and 360° rotation. Center rear swivel model CRS provides 200° tilt and 360° rotation. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects. The Lumiere exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

SPECIFICATION FEATURES

A ... Material

Housing, hood and mounting stem are precision-machined from corrosion-resistant billet stock 6061-T6 aluminum, C360 brass, C932 bronze, C110 copper or 303/304 stainless steel.

B ... Finish Painted

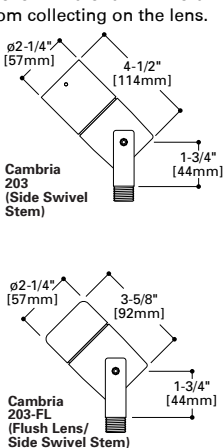
Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

C ... Brass, Bronze, Copper or Stainless Steel

Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina naturally over time.

D ... Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Model 203, 203-CRS & 203-FM: Weep holes prevent water and mineral stains from collecting on the lens, even in the straight-up position. Model 203-FL: The flush lens design reduces fixture length, minimizes debris collection and prevents water and mineral stains from collecting on the lens.



E ... Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

F ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

G ... Mounting Stem

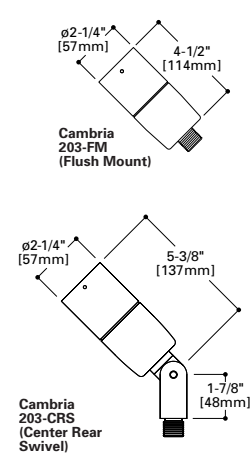
Model 203 and 203-FL include fully adjustable side-mounted swivel stem, providing 340° tilt and 360° rotation for easy aiming. Center rear swivel (203-CRS) or stationary rear flush mount (203-FM) models are also available. All models include 1/2" NPS threaded male fitting. Stainless steel aim-locking mechanisms are standard (not available on 203-FM). Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

H ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

I ... Socket

Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.



J ... Electrical

Remote 12V transformer required (not included). NOTE: initial power draw on LED equipped fixtures is 15 watts. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 6 watts or 10 watts accordingly. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate between 10 and 13 volts. Any less or more voltage can cause premature failures.

K ... Lamp

Halogen lamp not included. Available from Lumiere as an accessory. LED modules are included and are available in four color temperatures (2700,3000,4000, and 5700) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering - see reverse side for details and catalog logic.

L ... Labels & Approvals

UL and cUL listed, standard wet label. IP65 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Dept. of Buildings, Bureau of Electrical Control for use in NYC, NY.

M ... Warranty

Lumière warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.



CAMBRIA

203

10W LED
6W LED
50W (max.) MR16

Halogen
Low Voltage

Accent/Flood

IP65

Specifications and Dimensions subject to change without notice.
Consult your representative for additional options and finishes.

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COOPER Lighting
www.cooperlighting.com

Specifications and Dimensions subject to change without notice.
Consult your representative for additional options and finishes.

COOPER Lighting
www.cooperlighting.com

48HC
High Efficiency
Gas Heat/Electric Cooling Packaged Rooftop
3 to 12.5 Nominal Tons

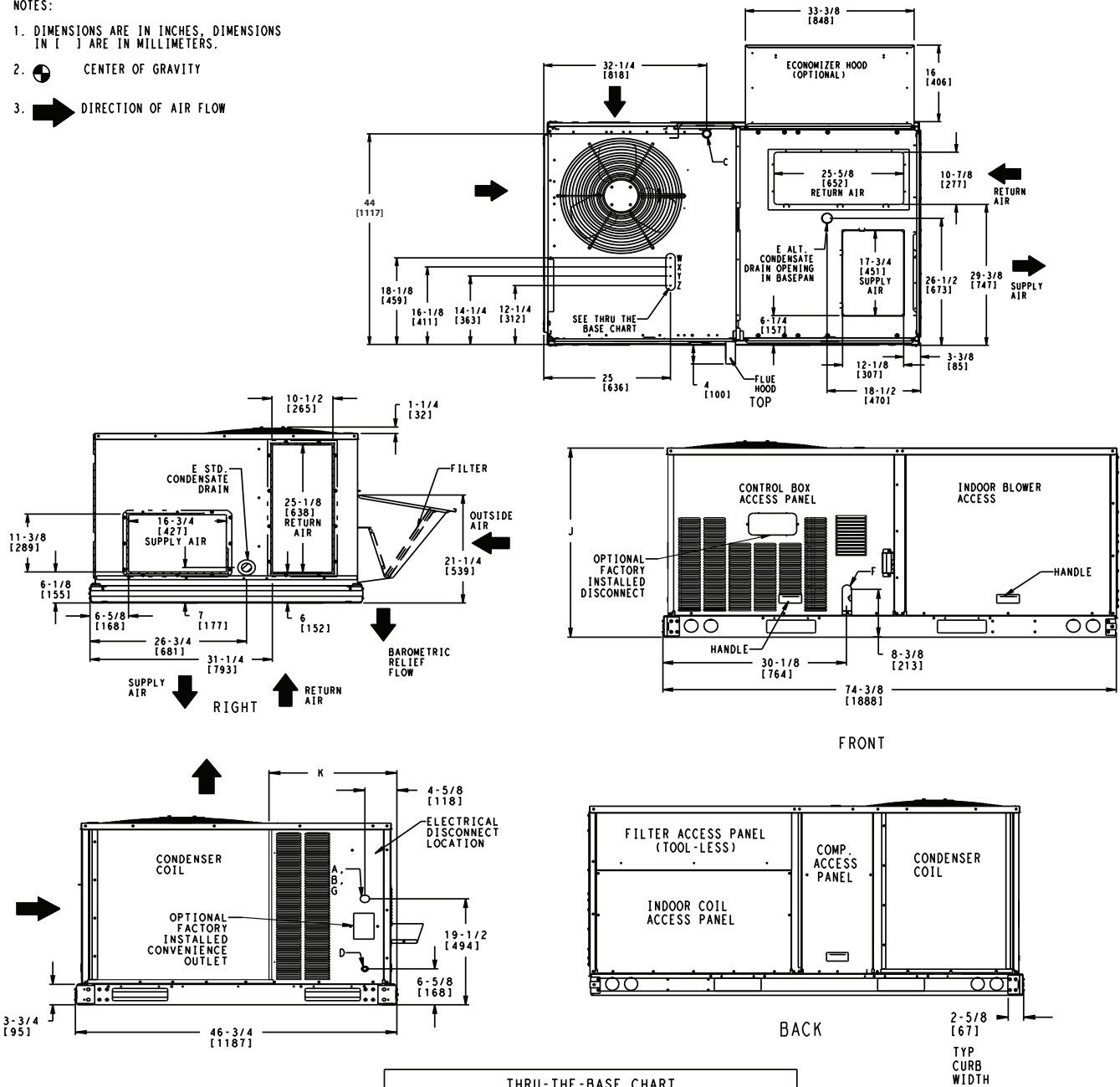


Product Data



CURBS & WEIGHTS DIMENSIONS - 48HC 04-06

- NOTES:
- 1. DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE IN MILLIMETERS.
 - 2. ⦿ CENTER OF GRAVITY
 - 3. ➡ DIRECTION OF AIR FLOW



	CONNECTION SIZES		
A	1 3/8" [35]	DIA	FIELD POWER SUPPLY HOLE
B	2" [50]	DIA	POWER SUPPLY KNOCKOUT
C	1 3/4" [51]	DIA	GAUGE ACCESS PLUG
D	7/8" [22]	DIA	FIELD CONTROL WIRING HOLE
E	3/4"-14 NPT		CONDENSATE DRAIN
F	1/2"-14 NPT		GAS CONNECTION
G	2 1/2" [64]	DIA	POWER SUPPLY KNOCK-OUT

THRU-THE-BASE CHART THESE HOLES REQUIRED FOR USE CRBTMPWR001A01, 003A01			
	THREADED CONDUIT SIZE	WIRE USE	REQ'D HOLE SIZES (MAX.)
W	1/2"	ACC.	7/8" [22.2]
X	1/2"	24V	7/8" [22.2]
Y *	3/4" (001,003)	POWER	1 1/8" [28.4]
Z **	(003) 1/2" FPT	GAS	1 3/16" [30.0]
FOR "THRU-THE-BASEPAN" FACTORY OPTION, FITTINGS FOR ONLY X,Y, & Z ARE PROVIDED			
*	SELECT EITHER 3/4" OR 1/2" FOR POWER, DEPENDING ON WIRE SIZE		
**	(001) PROVIDES 3/4" FPT THRU CURB FLANGE & FITTING.		

UNIT	J	K
48HC-A04	33 3/8 [847]	18 5/8 [472]
48HC-A05	41 3/8 [1051]	14 7/8 [377]
48HC-A06	41 3/8 [1051]	14 7/8 [377]

Fig. 1 - Dimensions 48HC 04-06

C10151

**Extruded Aluminum
Brick Vent**

Application and Design

Brick vents provide a permanent means of ventilation for crawl spaces, hung ceilings, incinerator rooms, chimney flues, foundations, pipe spaces and corridors. Extruded construction provides a quality finished appearance. A high water stop at the rear and deep overlapping blades with storm stops provide maximum resistance to rain and weather.

Standard Construction

Frame Heavy gauge extruded 6063T5 aluminum,
4 in. x 0.125 in. nominal wall thickness

Blades Heavy gauge extruded 6063T5 aluminum, 0.125 in.
nominal wall thickness, positioned at 45° angles

Construction . . Mechanically fastened

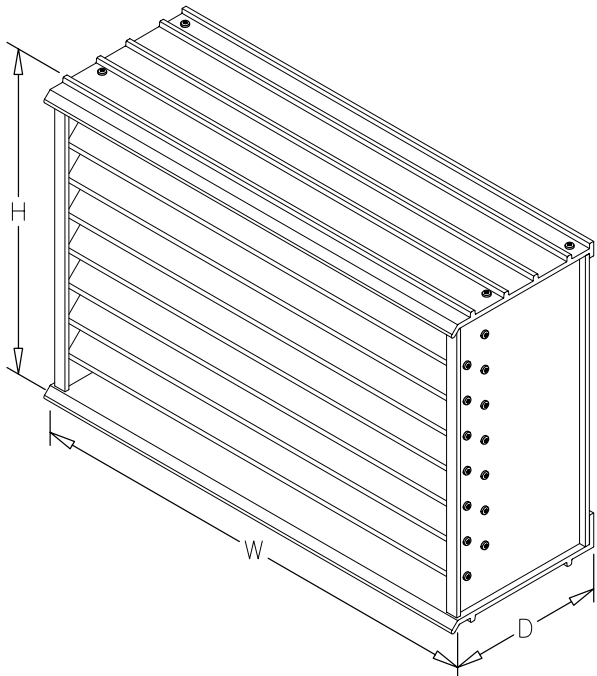
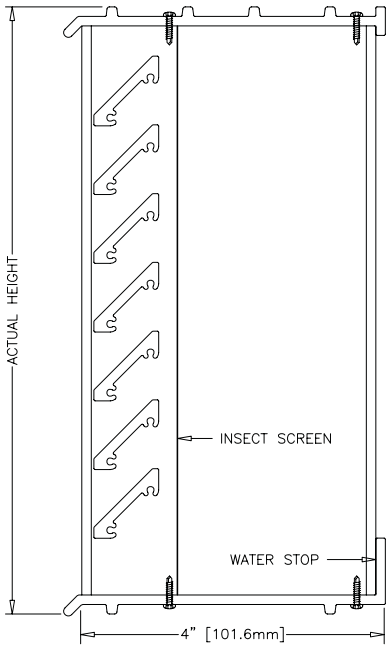
Insect screen . . 18 in. x 14 in. aluminum mesh, inside mount (rear)

Finish 204-R1 Clear anodize

- Available Sizes**
- 8 1/8 in. W x 2 3/8 in. H
 - 8 1/8 in. W x 4 3/4 in. H
 - 8 1/8 in. W x 7 3/4 in. H
 - 12 in. W x 2 3/8 in. H
 - 12 in. W x 4 3/4 in. H
 - 12 in. W x 7 3/4 in. H
 - 12 in. W x 11 3/4 in. H
 - 15 5/8 in. W x 7 3/4 in. H
 - 15 5/8 in. W x 15 3/4 in. H
 - 16 1/2 in. W x 2 3/8 in. H
 - 16 1/2 in. W x 4 3/4 in. H
 - 16 1/2 in. W x 7 3/4 in. H
 - 16 1/2 in. W x 15 3/4 in. H
 - 24 in. W x 2 3/8 in. H
 - 24 in. W x 4 3/4 in. H
 - 24 in. W x 7 3/4 in. H
 - 32 in. W x 7 3/4 in. H
 - 48 in. W x 7 3/4 in. H

Options (at additional cost)

- Opposed blade damper
- Straight duct
(0.063 in aluminum for up to 18 in. wall thickness)
- A variety of architectural finishes including:
 - Mill
 - Integral color anodize (medium or dark bronze only)
 - Baked enamel paint
 - Kynar paint



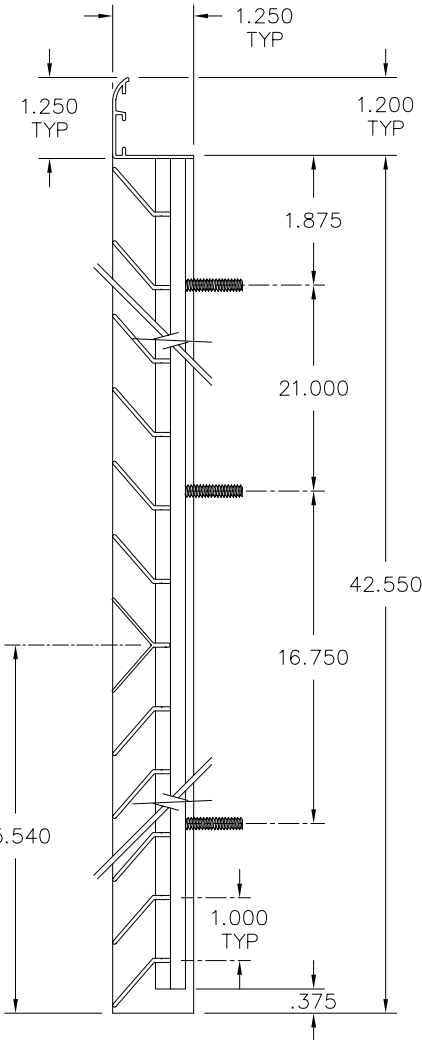
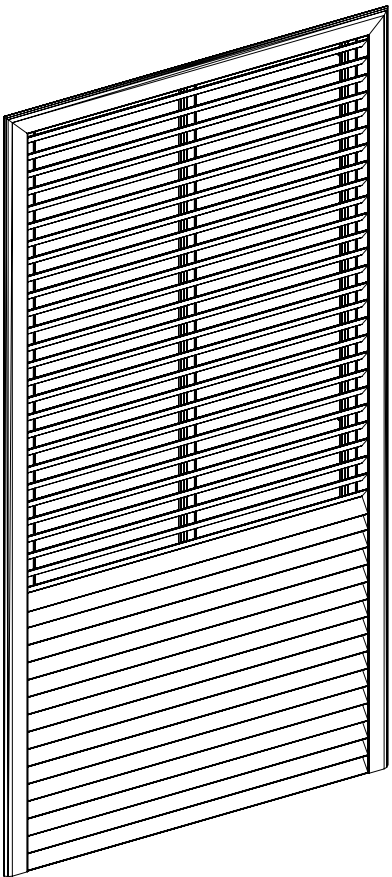
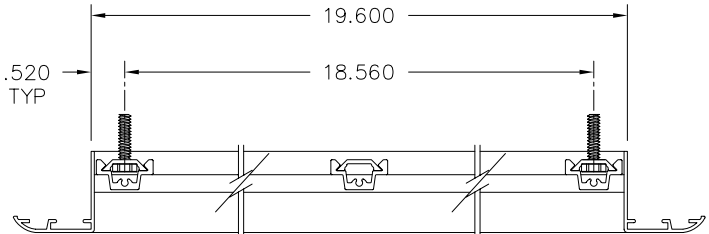
*Width dimension in actual. Height dimension 1/4 in. greater due to mortar ribs.

1233105 (AGKV01A)

AMANA REF.

EXTRUDED ALUMINUM; 6063-T5; CLEAR

ANODIZED OR _____



PROJECT:

LOCATION:

ARCH./ENGR.:

CONTRACTOR:

REPRESENTATIVE:

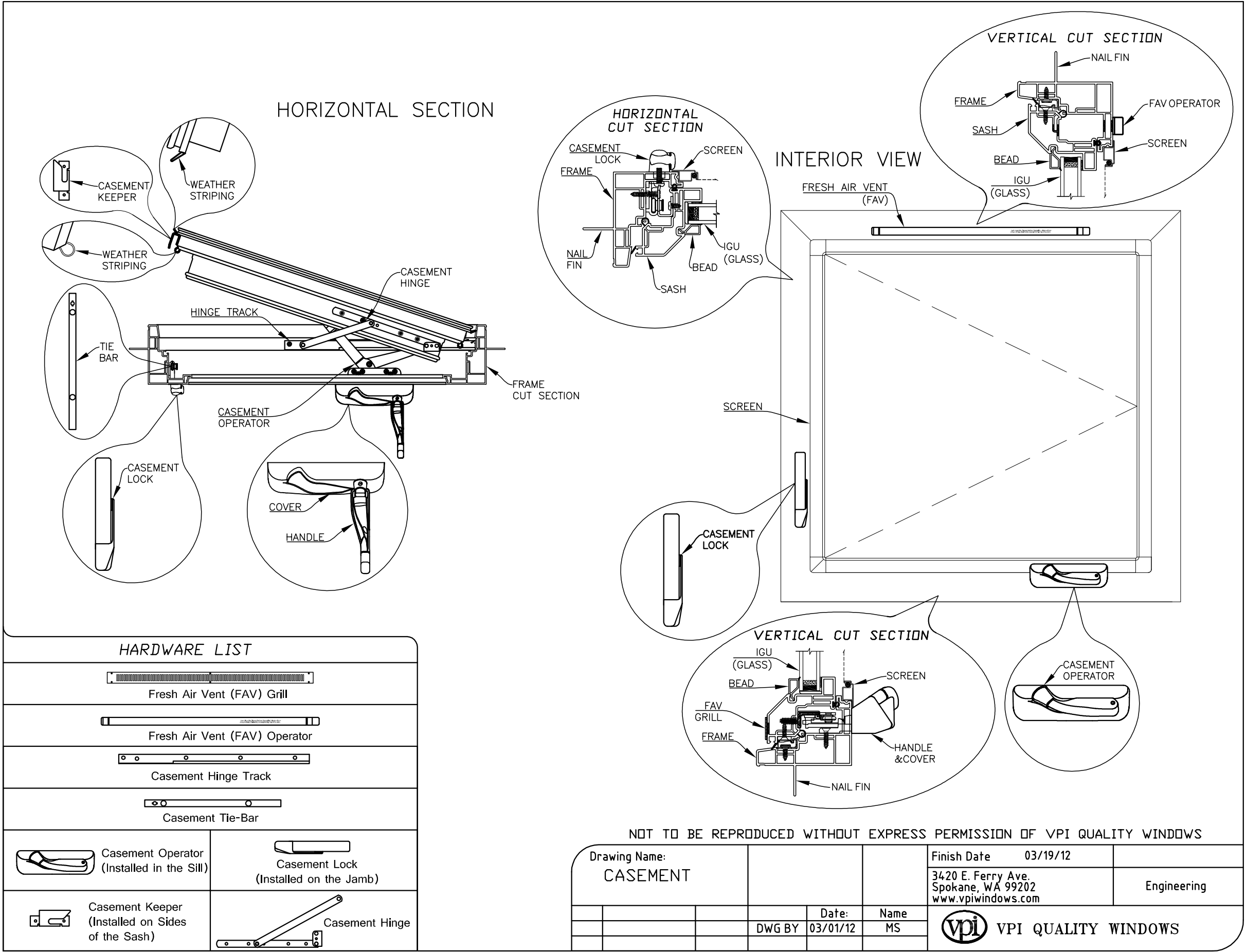
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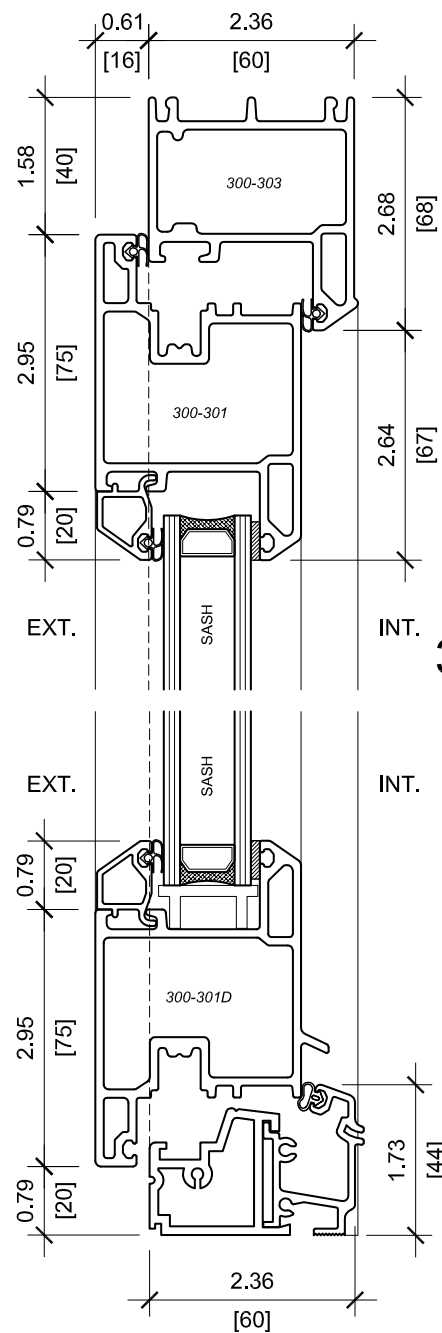
ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITH OUT NOTICE OR OBLIGATION.

2003

SEQ# 3701



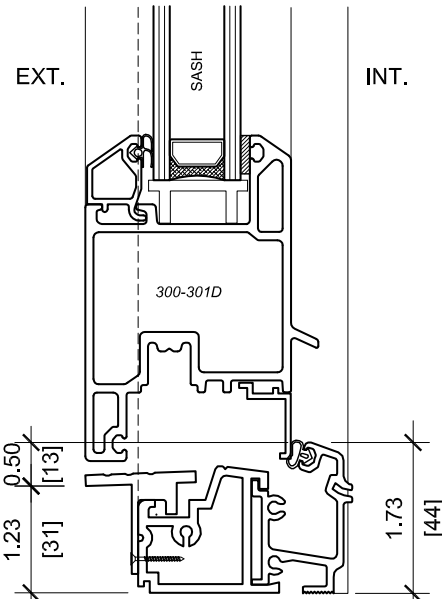
1 HEAD AT SASH



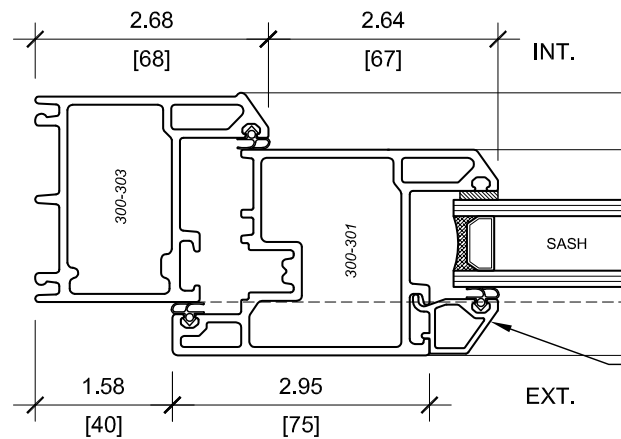
2 THRESHOLD AT SASH

NOTE: PRODUCT IS COMPATIBLE WITH RETRACTABLE TYPE INSECT SCREENS

3 ALTERNATIVE THRESHOLD AT SASH



4 JAMB AT SASH

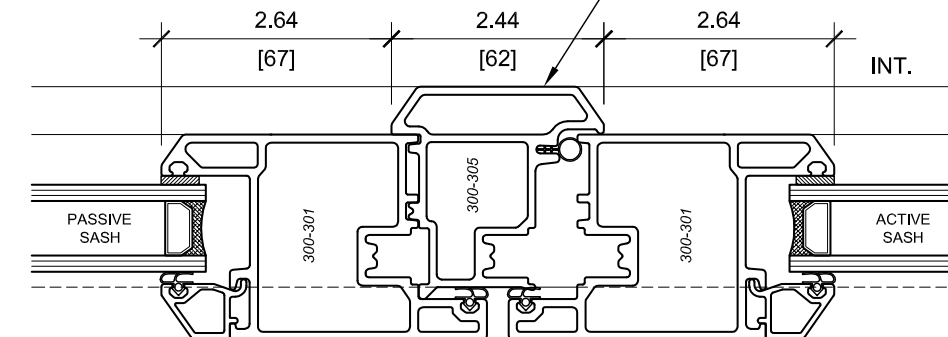


OPTION:
1 5/8" ALUM.
FRAME EXTENDER
SCALE: 3" = 1'-0"

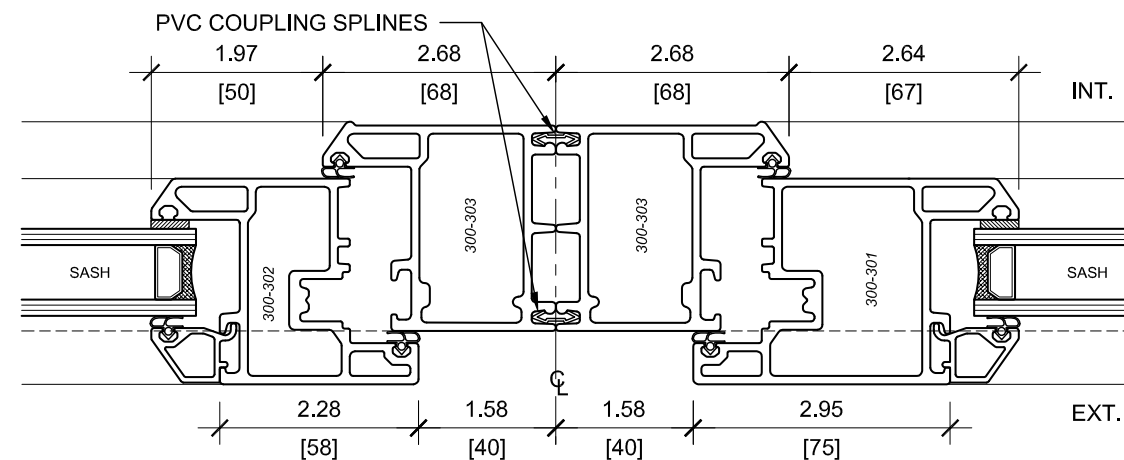
OPTION:
3 1/4" ALUM.
FRAME EXTENDER
SCALE: 3" = 1'-0"

FIBERGLASS STOP
WITH GASKET

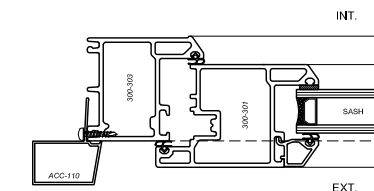
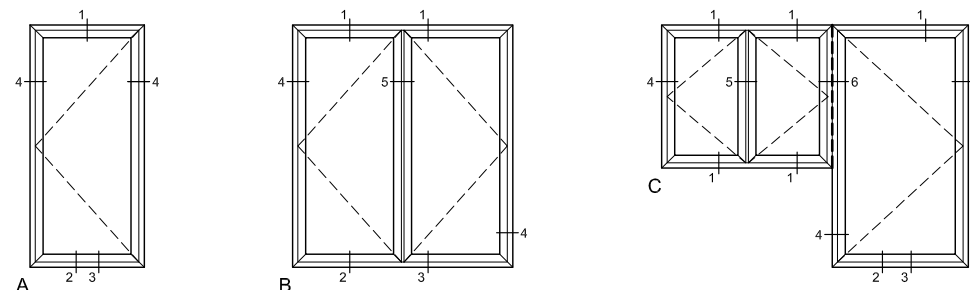
ASTRAGAL ATTACHED
TO PASSIVE SASH



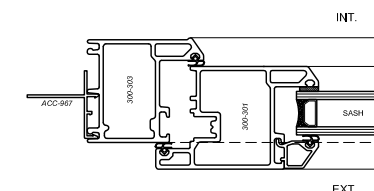
5 SASH WITH ASTRAGAL / SASH



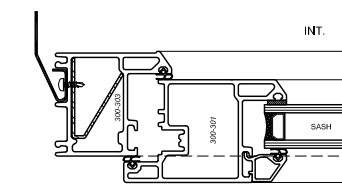
6 COUPLED MULLION: SASH / SASH



OPTION:
ALUM. BRICK MOULD
SCALE: 3" = 1'-0"



INSTALL OPTION:
PVC FLANGE
(SEE TYP. INSTALL DETAILS)
SCALE: 3" = 1'-0"



INSTALL OPTION:
S.S. CLIP WITH ALUM.
SUB-CLIP
(SEE TYP. INSTALL DETAILS)
SCALE: 3" = 1'-0"



SEAL:

PROJECT TITLE:

**PROJECT NAME +
CONSULTANT**

ISSUE	DESCRIPTION	DATE
1	VERSION 2	13 JAN, 2009
2	VERSION 3	30 JAN, 2009
3	VERSION 4	16 FEB, 2009
4	VERSION 5	28 MAY, 2010

DRAWING
TITLE:

**SERIES 302 DOORS
OUTSWING CASEMENT**

SCALE: 6" = 1'-0"

DATE: 13 JAN, 2009

DRAWN BY: JJ

CHECKED BY: GR

DRAWING NO.:

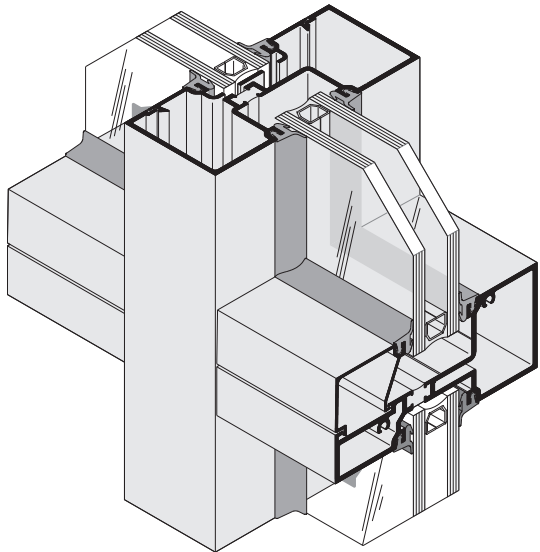
S-302

June 16 2010 1:45 PM

STOREFRONTS

Technical Data

Series IT451 and IT451-S Thermal Center Glazed Systems offer an outstanding value by combining increased thermal performance with low-cost conventional flush glazing. These systems feature the Poly-Aluminizer™ and Lancer™ Thermal Break Technologies with a Two Year Warranty as described in the Warranty for Thermally Broken Framing Systems. They were especially engineered to satisfy the increasing demands for energy conservation. Both series may be glazed from the interior or exterior, and are well suited for storefront applications requiring increased thermal performance. See page 01-B3 for E.P.D.M. gasket options.



Thermal Center Glazed
• Series IT451
• Series IT451-S

B

SERIES	WIDTH	DEPTH	GLAZING INFILLS	APPLICATION
IT451 IT451-S	2" (50.8)	4-1/2" (114.3)	1" (25)	Storefronts in Geographic Areas Requiring Thermal Performance

GLASS SIZES*	
Glass Width and Glass Height	= Daylight Opening + 7/8" (22.2).

* These formulae do not take into account glass tolerances. Consult glass manufacturer before ordering glass.

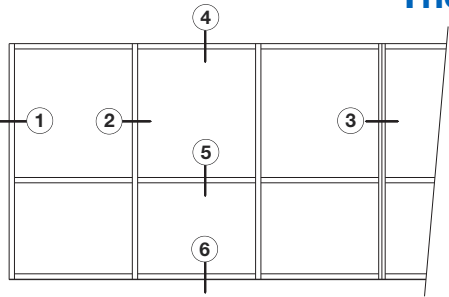
Online usalum.com By Phone (800) 262-5151
Online crlaurence.com By Phone (800) 421-6144

B1

STOREFRONTS

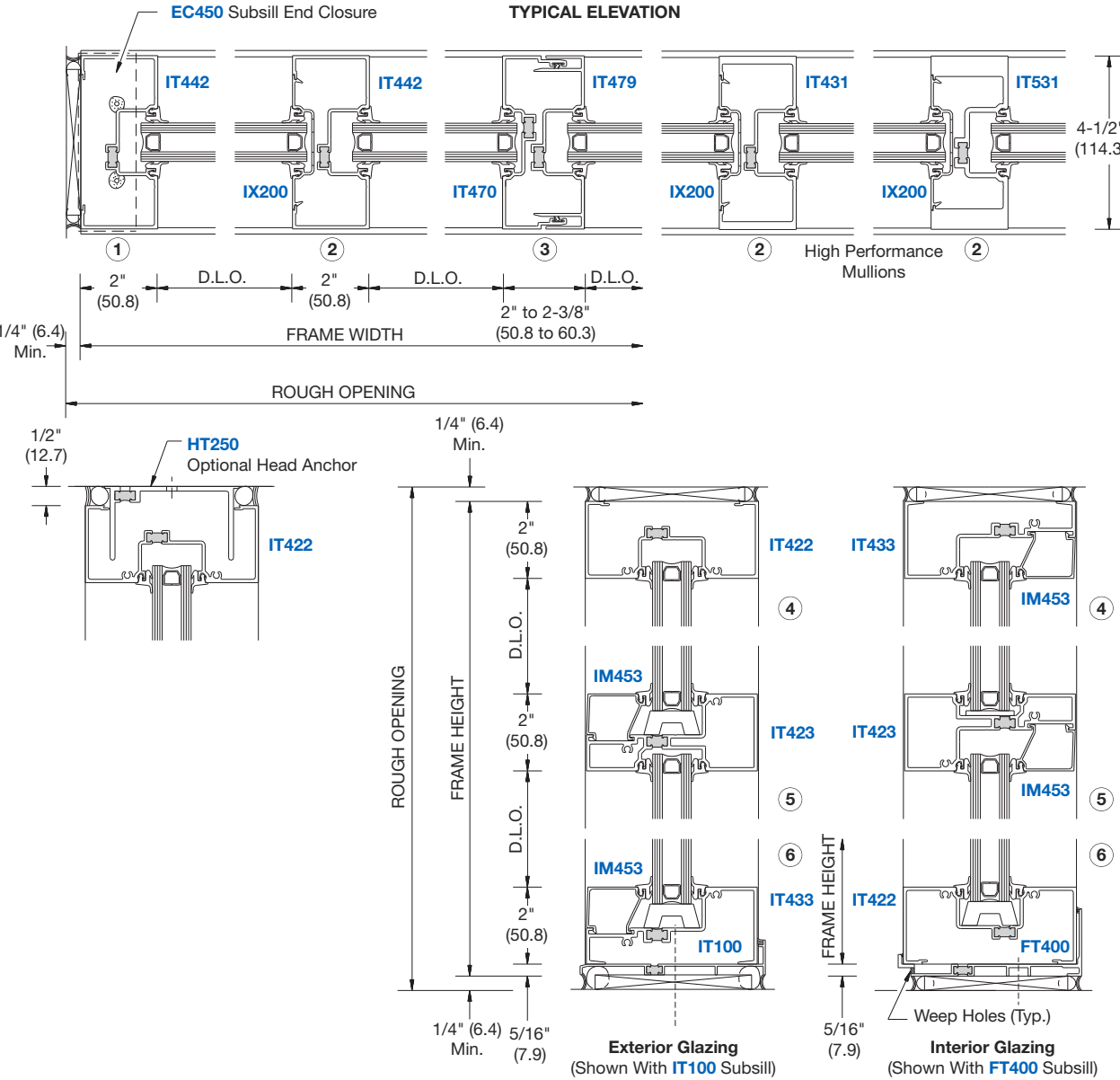
Typical Details

SCREW RACE JOINERY
FOR 1" (25) GLAZING



Thermal Center Glazed
• Series IT451

NOTE: NP225 Glazing Gaskets are used on both sides of 1" (25) glazing. (Typical)



NOT TO SCALE

Online usalum.com By Phone (800) 262-5151
Online crlaurence.com By Phone (800) 421-6144

B1



MODEL 902•903



Model 902•903

Both standard exterior and “partitioned” interior applications requiring high light transmission and visibility are satisfied by using the durable and attractive Model 902 or 903.



Available with polycarbonate glazing.

FEATURES

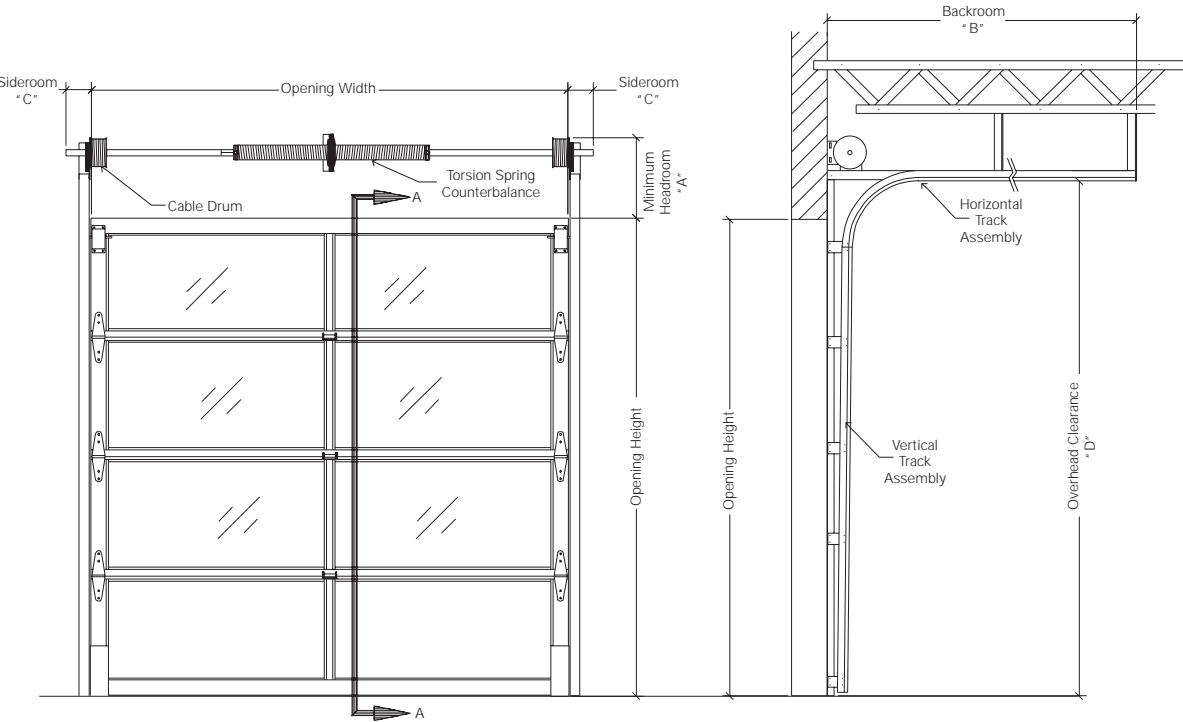
- 2-1/8" thick construction, 6063-T5 extruded aluminum alloy with integral reinforcing fin for maximum durability.
- Exclusive, capped rail construction helps seal out the elements and adds to door durability.
- Tongue-and-groove meeting rail.
- High security design features a locking panel retainer.
- Standard finishes in high luster clear anodized or prepainted white or brown to complement most building designs.
- Available with insulated glass, DSB, plexiglass, wire glass, tempered glass, polycarbonate and aluminum panel options.
- Variety of options available to customize a door to your design and job requirements.



FULL VIEW ALUMINUM DOOR - MODEL 902D

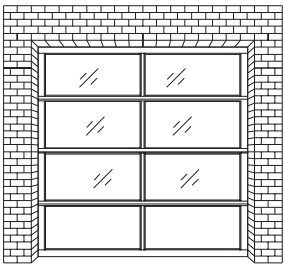
08360/CLO
Buyline 0309

- 2 1/8" Extruded Aluminum
- DSB Glass

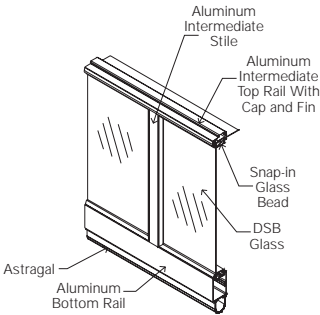


INTERIOR ELEVATION

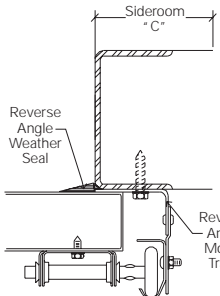
STANDARD LIFT TRACK



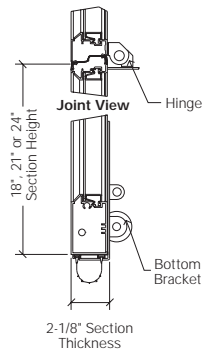
EXTERIOR ELEVATION



ISOMETRIC VIEW

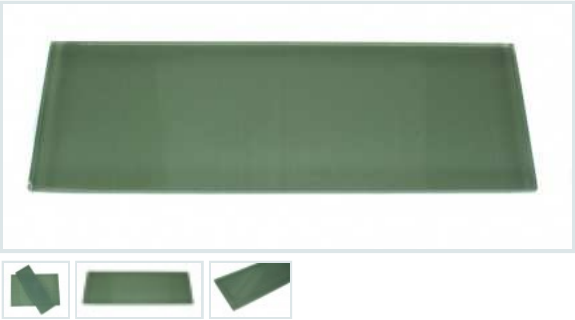


STEEL JAMB DETAIL



SECTION A-A
BOTTOM BRACKET VIEW





LOFT SPA GREEN POLISHED 4X12 GLASS TILE

In Stock (1 review) Read 1 Review Write a Review

Order Sample Add Sample to Cart 3x6 sample for color \$4 + free shipping Free Shipping on All Samples

Quantity: 1 List Price: \$18.69 GTS Price: \$14.95 You Save: \$3.74 (20%) Price is per square foot (12"x12")

How many do I need? Pin it

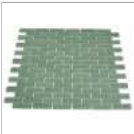
+ Add to Cart

ALWAYS FREE PRIORITY SHIPPING (usually ships in 24 to 48 hours)

CHIP SIZE: 4x12 COLOR: Spa Green MATERIAL: Glass FINISH: Polish SOLD BY THE SQUARE FOOT SHEET SIZE: 3 Pieces Per Sq. Ft.



CUSTOMERS WHO VIEWED THIS ALSO VIEWED



LOFT SPA GREEN 1/2X2 BRICK PATTERN List Price: \$18.69 GTS Price: \$14.95 You Save: \$3.74 (20%)



LOFT SPA GREEN FROSTED 4X12 GLASS TILE List Price: \$18.69 GTS Price: \$14.95 You Save: \$3.74 (20%)



LOFT SEAFOAM POLISHED 3" X 6" GLASS TILES List Price: \$19.44 GTS Price: \$14.95 You Save: \$4.49 (23%)

Description Installation & Grouting Extended Information

LOFT SPA GREEN POLISHED 4X12 SUBWAY TILES

This spa green subway tiles are decorative and durable, making it a great backdrop. The glass tile will reflect the light in your room, giving it a fresh, clean and brighter look. Using a subway tile as a backsplash you will add some color and style to your kitchen decor or any decorated room in your home. It will also give it a more distinct look.

Chip Size: 4x12 Color: Spa Green Material: Glass Finish: Polished Sold by the Square Foot (3pieces per square foot) Thickness: 8mm

*This material is the same exact color as the 9x18 Zen Green. You don't need to order samples of both.

- Glass Tile -

For product information or design assistance, please contact your local representative or call us at 1-800/547-1940, Ext. 991.

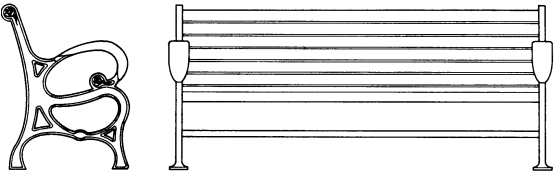
See more at www.TimberForm.com

TimberForm Restoration 17



TimberForm Restoration	Model	Length	Width	Height	Seat Height	Mounting
Bench with Armrests	2118-3	3' 0" [915mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*
	2118-6	6' 0" [1830mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*
	2118-8	8' 0" [2440mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*

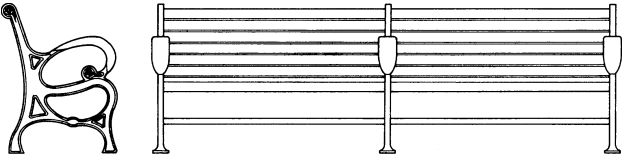
- Material:** Frames of black powder-coated cast iron with kiln-dried 6/4 and 8/4 patterned Alaska yellow cedar wood slats.
- Options:** Frame color, Marine Teak or Purpleheart wood slats and **powder-coated metal slats**. Can be special ordered with customer's name and/or logo cast in bench ends and/or without decorative rose in casting.
- Suggestions:** Specify matching litter container **2107** and ash receptacle **2108**. Also see complementary litter container **2136** and ash receptacle **2137** (see page 65). Matching planters are available.
- Notes:** * For permanent or movable applications only (anchoring bolts by others).



2118 2118-6

TimberForm Restoration	Model	Length	Width	Height	Seat Height	Mounting
Bench with Intermediate Armrest(s)	2119-7'	6' 11" [2110mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*
	2119-8'	7' 11" [2415mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*
	2119-10'	9' 11" [3025mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*
	2119-12'	11' 11" [3630mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*
	2119-14²	13' 11" [4240mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*
	2119-16²	15' 11" [4850mm]	2' 3" [685mm]	2' 10" [865mm]	1' 4" [405mm]	Surface*

- Material:** Frames of black powder-coated cast iron with kiln-dried 6/4 and 8/4 patterned Alaska yellow cedar wood slats.
- Options:** Frame color, Marine Teak or Purpleheart wood slats and **powder-coated metal slats**. Can be special ordered with customer's name and/or logo cast in bench ends and/or without decorative rose in casting.
- Suggestions:** Specify matching litter container **2107** and ash receptacle **2108**. Also see complementary litter container **2136** and ash receptacle **2137** (see page 65). Matching planters are available.
- Notes:** * For permanent or movable applications only (anchoring bolts by others).
¹ Includes one intermediate frame with armrest.
² Includes two intermediate frames with armrest.



2119 2119-8

All line drawings in this catalog are rendered in the scale of 3/8" = 1' unless otherwise noted.

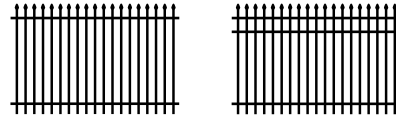
MONTAGE PLUS®

STYLES, HEIGHTS, & PANEL OPTIONS

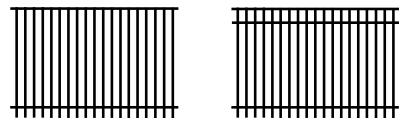


CLASSIC™

Available Heights: 3', 3½', 4', 5' or 6'
Rail Treatment: Extended Picket or Flush Bottom
Picket Air-Space: 4" standard or 3" Pet, Pool & Play



Available Heights: 3', 3½', 4', 5' or 6'
Rail Treatment: Extended Picket or Flush Bottom
Picket Air-Space: 4" standard or 3" Pet, Pool & Play

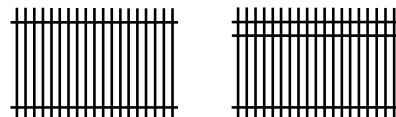


MAJESTIC™

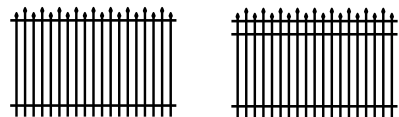


GENESIS™

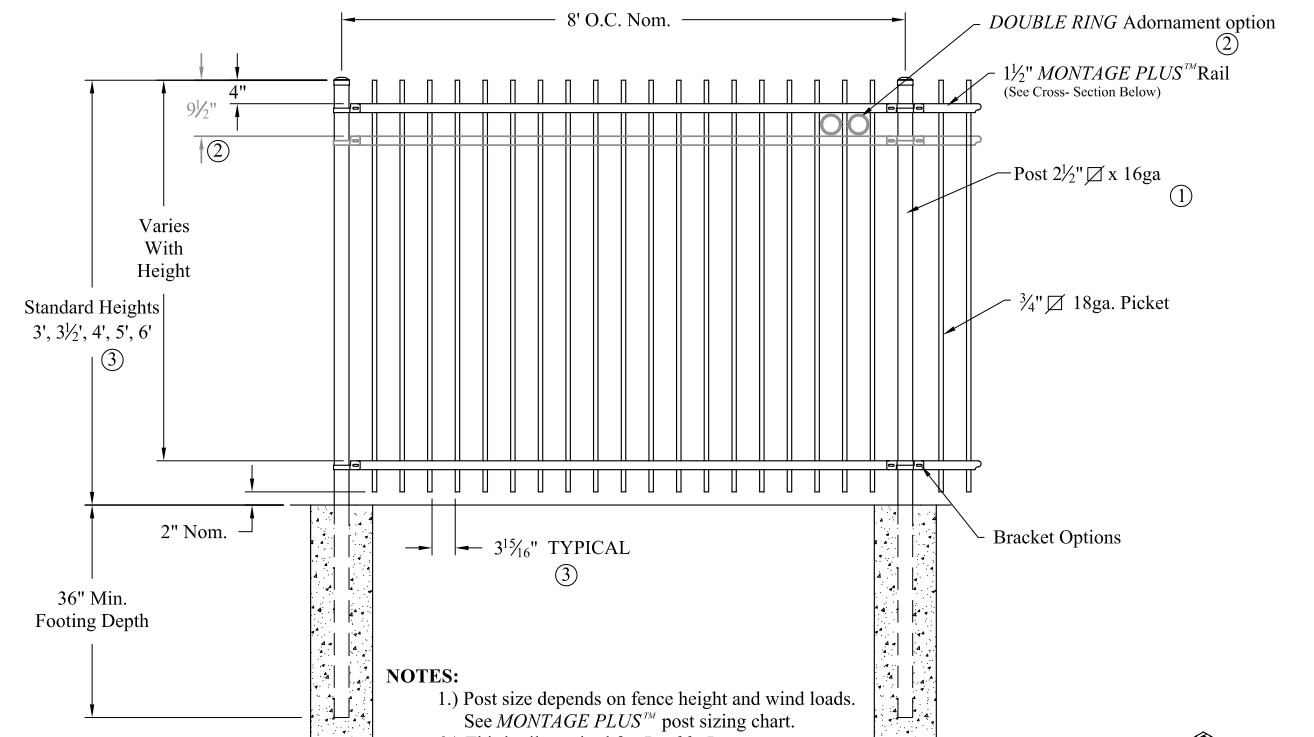
Available Heights: 3', 3½', 4', 5' or 6'
Rail Treatment: Extended Picket or Flush Bottom
Picket Air-Space: 4" standard or 3" Pet, Pool & Play



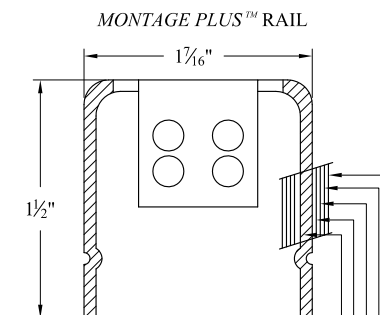
Available Heights: 3', 3½', 4', 5' or 6'
Rail Treatment: Extended Picket or Flush Bottom
Picket Air-Space: 4" standard



WARRIOR™

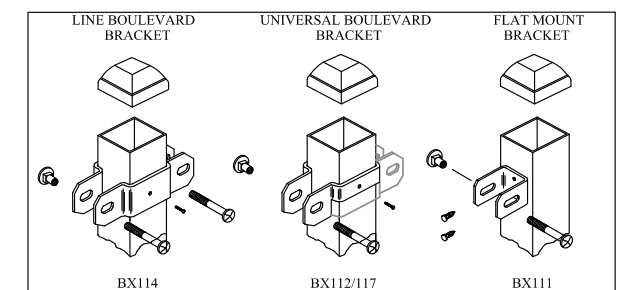


RAKING DIRECTIONAL ARROW
Welded panel can be raked 30" over 8' with arrow pointing down grade.



PROFUSION™ WELDING PROCESS
No exposed welds, Good Neighbor profile - Same appearance on both sides

MONTAGE PLUS™ RAIL
Specially formed high strength architectural shape.



COMMERCIAL STRENGTH WELDED STEEL PANEL
PRE-ASSEMBLED

Title: MONTAGE PLUS GENESIS 2/3-RAIL			
DR: CI	SH: 1 of 1	SCALE: DO NOT SCALE	
CK: ME	Date: 6/28/10	REV: e	



AMERISTAR®

1555 N. Mingo
Tulsa, OK 74116
1-888-333-3422
www.ameristarfence.com

Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

1RGISO

TECHNICAL INFORMATION SHEET



UltraPly™ TPO

TIS #201



Description:

Firestone UltraPly™ TPO is a flexible Thermoplastic Polyolefin roofing membrane that is produced with polyester weft-inserted reinforcement. This heat weldable TPO membrane is available in 45 mil (1.1 mm) and 60 mil (1.5 mm) thicknesses in 8’ (2.4 m), 10’ (3 m) and 12’4” (3.76 m) widths. The colors available are white, tan or gray. This reflective membrane is suitable for a variety of low slope applications.

Preparation of Substrate:

- 1. Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials that may damage the membrane.
- 2. All roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
- 3. All surface voids greater than 1/4" (6.3 mm) wide shall be properly filled with an acceptable fill material.

Method of Application:

- 1. Firestone UltraPly TPO membrane is installed as continuous roofing or waterproofing layer on the roof. Rolls are overlapped (side laps and end laps) prior to the heat welding of the seam areas.
- 2. Install the UltraPly TPO Roofing System in accordance with current Firestone UltraPly TPO specifications, details and workmanship requirements.

Storage:

- Store away from sources of punctures and physical damage.
- Assure that structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources as membrane will burn when exposed to open flame.

Precautions:

- Exercise caution when lifting, moving, transporting, storing or handling membrane rolls to avoid sources of punctures and possible physical damage.
- Contact your Technical Coordinator at 1-800-428-4511 for specific recommendations regarding chemical or waste product compatibility with Firestone UltraPly TPO Membrane.
- Refer to Material Safety Data Sheets (MSDS) for safety information

Packaging:	Widths	Lengths	Weight
<i>.045" UltraPly TPO and .060" UltraPly TPO</i>	5'(1.5 m)	100' (30.5 m)/200'(61 m)	0.23 lb/sf (2.1 kg/m²)
	8' (2.4m)	100' (30.5 m)/200'(61 m)	0.31 lb/sf (2.9 kg/m²)
	10' (3.05 m)	100' (30.5 m)/200'(61 m)	
	12'4"" (3.76 m)	100' (30.5 m)/200'(61 m)	

Compliance:

Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 15%
Manufacturing Location: Wellford, SC
Tuscombia, AL



CCMC 13348-R



TECHNICAL INFORMATION SHEET

Physical Properties:	ASTM D 6878 Specification	Units	Performance Minimum	Typical Values 45 mil	Typical Values 60 mil
Overall Thickness	D 751	In(mm)	0.039(1)	0.045 (1.14)±10%	0.060(1.15)±10%
Coating over Scrim	D 7635	In(mm)	0.015(1)	0.017(0.44)	0.021(0.54)
Breaking Strength	D 751 Grab Method	Lb(N)	220(975)	340(1,510)	390(1,730)
Elongation at Reinforcement Break	D 751 Grab Method	%	15	25	25
Tearing Strength	D 751	Lb(N)	55(245)	120(530)	120(530)
Brittleness Point	D 2137	°F(°C)	-40(-40)	Pass	Pass
Ozone Resistance, No cracks	D 1149	---	Pass	Pass	Pass
Properties after Heat Aging	D 573	°F(°C)	670 h @ 240°F (116°C)		
Retention of Breaking Strength	D 751 Grab Method	%	90, minimum	> 90	>90
Retention of Elongation at Break	D 751 Grab Method	%	90, minimum	>90	>90
Retention of Tearing Strength	D 751	%	60, minimum	>60	>60
Weight of Change	D 1204, 6h at 158°F (70°C)	%	±1, maximum	<1	<1
Linear Dimension Change	D 471	%	±1, maximum	<1	<1
Water Absorption		%	±3, maximum	<3	<3
Weather Resistance, 80°C Black Panel, no cracking, crazing when wrapped around a 3" mandrel and inspected at 7x magnification	G 155,	kJ/m²	10,080, minimum	>20,160	>20,160
Puncture Resistance	FTM 101C, Method 2031	---		265(1,180)	300(1,300)
Dynamic Puncture Resistance MD	D 5635	---		Pass (20 J)	Pass (40 J)
Dynamic Puncture Resistance CD	D 5635	---		Pass (35 J)	Pass (50 J)
Static Puncture Resistance	D 5602	---		Pass (25 kg)	Pass (25 kg)

Reflectivity:	Initial	Weathered	#
Solar Reflectance	0.79	0.68	
Thermal Emittance	0.85	0.83	
SRI	98	81	
Rated Product ID			0008
Licensed Manufacturer ID			0608
Classification	Production Line		



Compliance:	Test Method	White	Tan	Gray	Energy Star®	White	Tan
Solar Reflectance	ASTM E903	0.81	0.63	0.37	Initial Solar Reflectance	0.79	0.60
Thermal Emittance	ASTM E408	0.95	0.95	0.95	Aged Solar Reflectance (3 years)	0.78	0.54
Solar Reflectance Index (SRI)	ASTM E1980	102	77	43	Cleaned prior to aged test?	Yes	No
					Initial Emittance	0.85	0.81

Please Contact your Firestone Technical Coordinator at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.



*ENERGY STAR is only valid in the United States

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S723-RFS-112

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S723-RFS-112

12.8.2011