

HYATT PLACE | TYPE III DESIGN REVIEW

APRIL 9, 2019 | PROJECT 18177 | EA 18-181375 DA

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PROJECT INFORMATION

TOTAL SITE AREA	10,000 SF (0.23 ACRES)
FAR TOTAL	18.7:1
TOTAL GROSS BUILDING AREA	197,118 SF
HIGHEST ADJACENT GRADE	+41.5' AT SW CORNER
BUILDING HEIGHT	250'-0" MAX ALLOWED +291.5'
NUMBER OF FLOORS	24 ABOVE GRADE, 1 BELOW
NUMBER OF HOTEL UNITS	170
NUMBER OF RESIDENTIAL UNITS	110
OCCUPANCIES	R-1, R-2, B, S-1, A-2, A-3
TYPE OF CONSTRUCTION	IA

ZONING SUMMARY

Property Overview	
Jurisdiction	Portland, Oregon
Address	350 NW 12 th Avenue
Location	SE corner of NW 12 th and NW Flanders
State ID	1N1E33DA 2700
Assessor ID	R140647
Size	10,000 sf (0.23 ac)

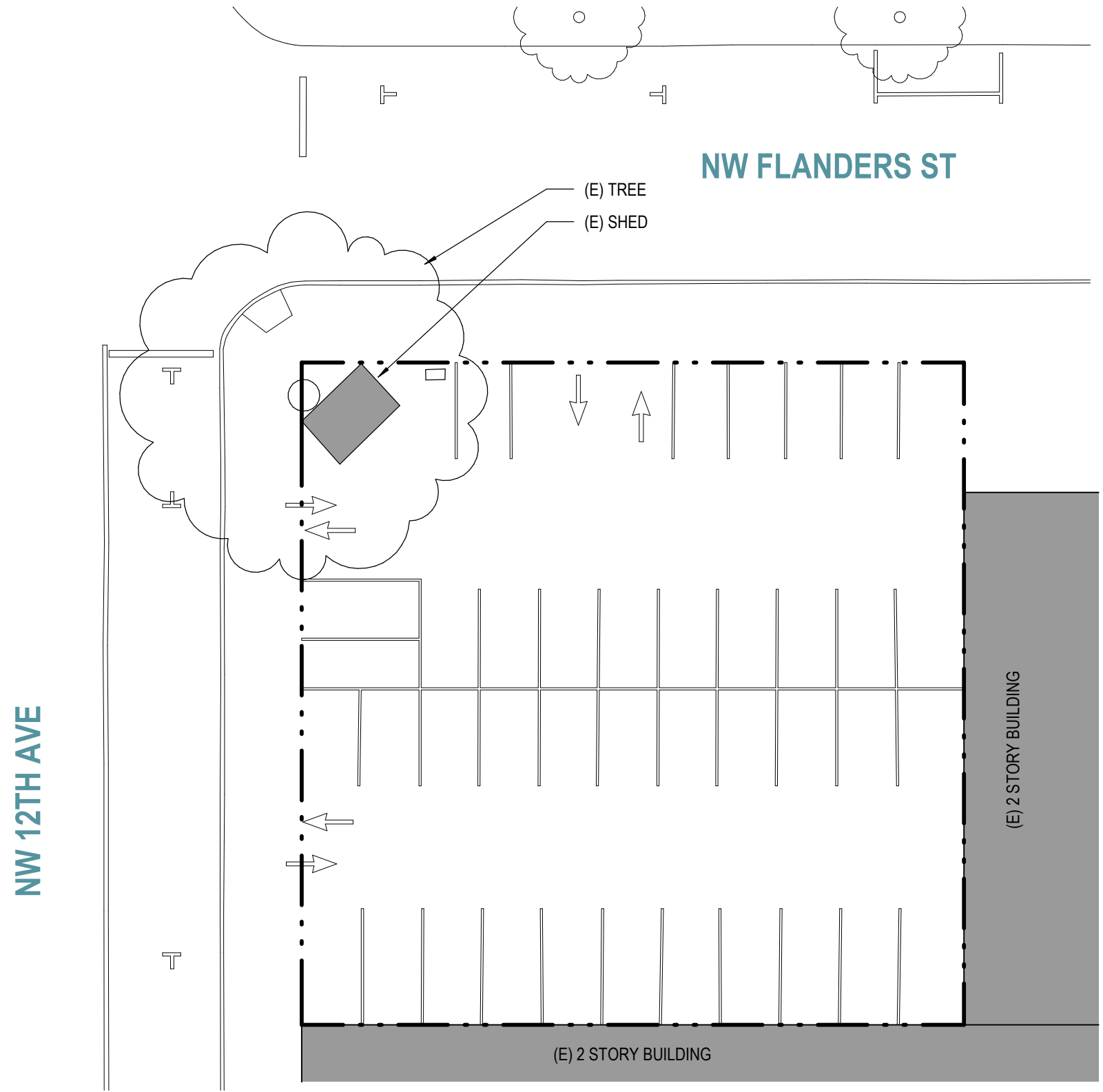
Subject Site



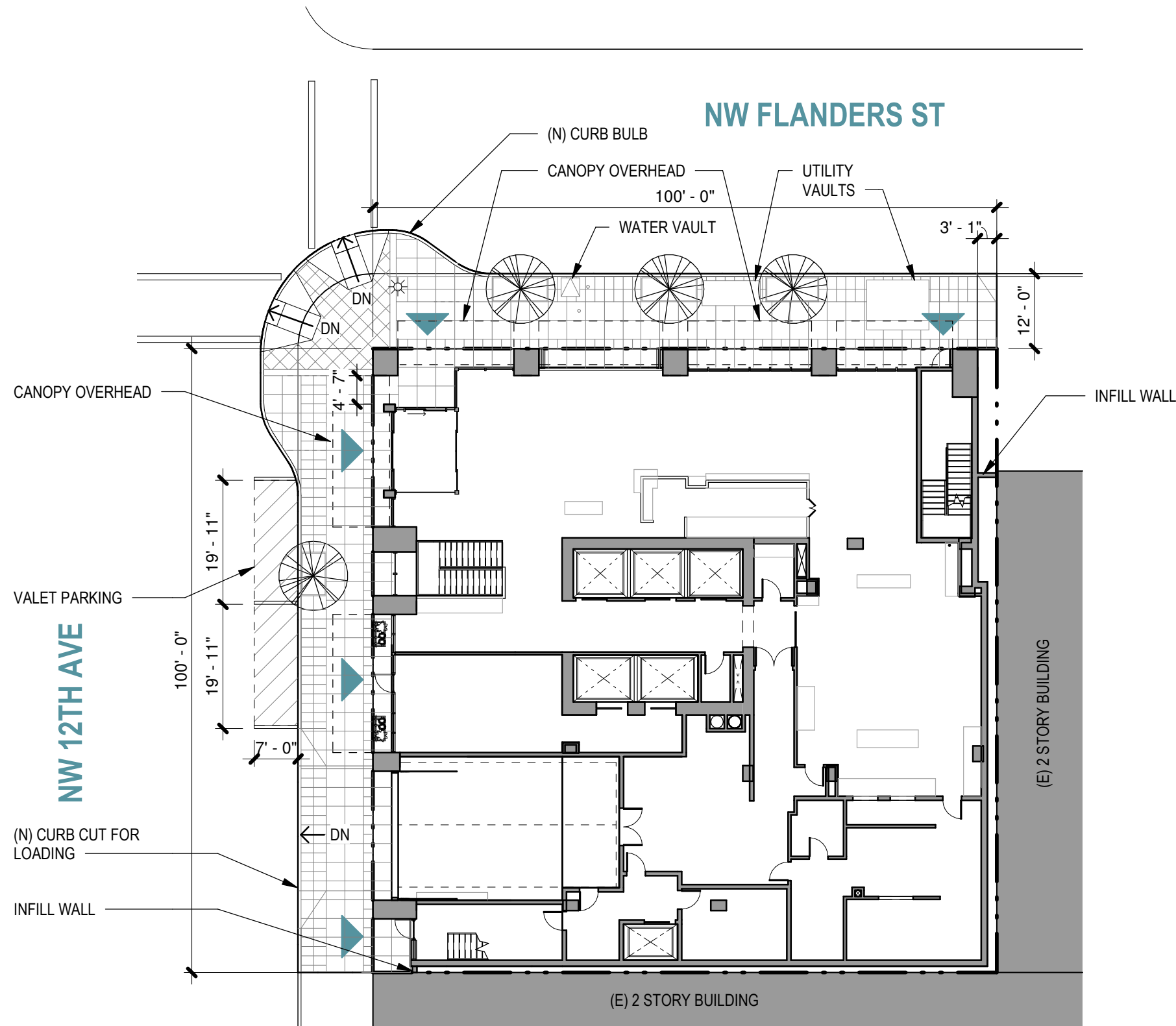
Zoning




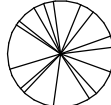

Existing Zoning	
Base Zoning	EX Central Employment
Plan District	Central City – River District/Pearl District
Overlays	Design d

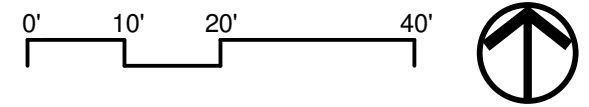


1 EXISTING SITE PLAN
1" = 20'-0"



SITE PLAN LEGEND

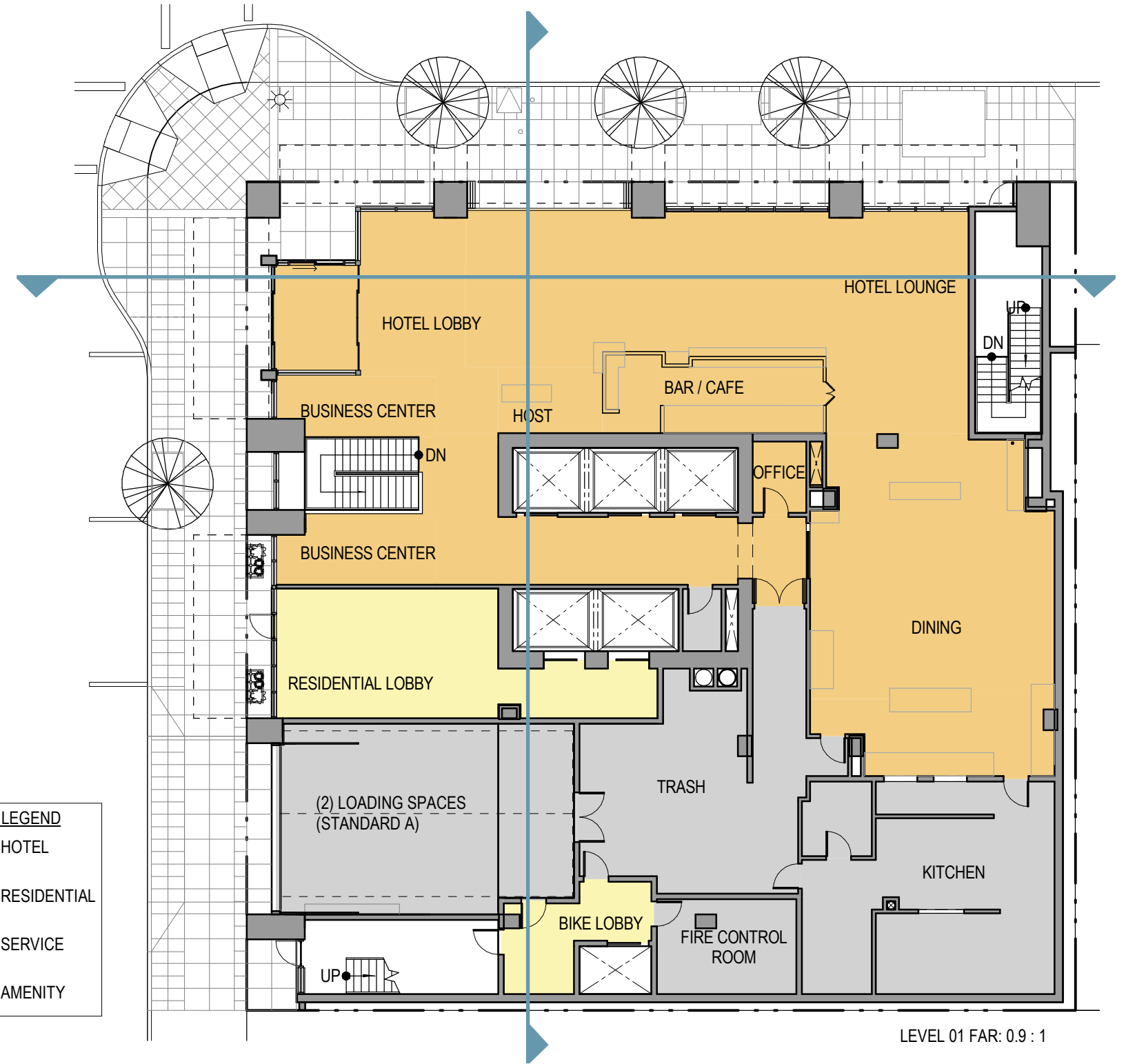
-  PROPERTY LINE
-  (N) STREET TREE
-  BUILDING ENTRY



1 SITE PLAN
1" = 20'-0"



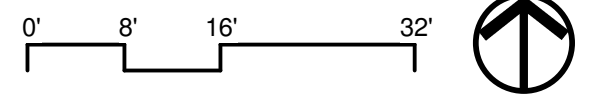
1 LEVEL B1 - PLAN
1/16" = 1'-0"



2 LEVEL 01 - PLAN
1/16" = 1'-0"

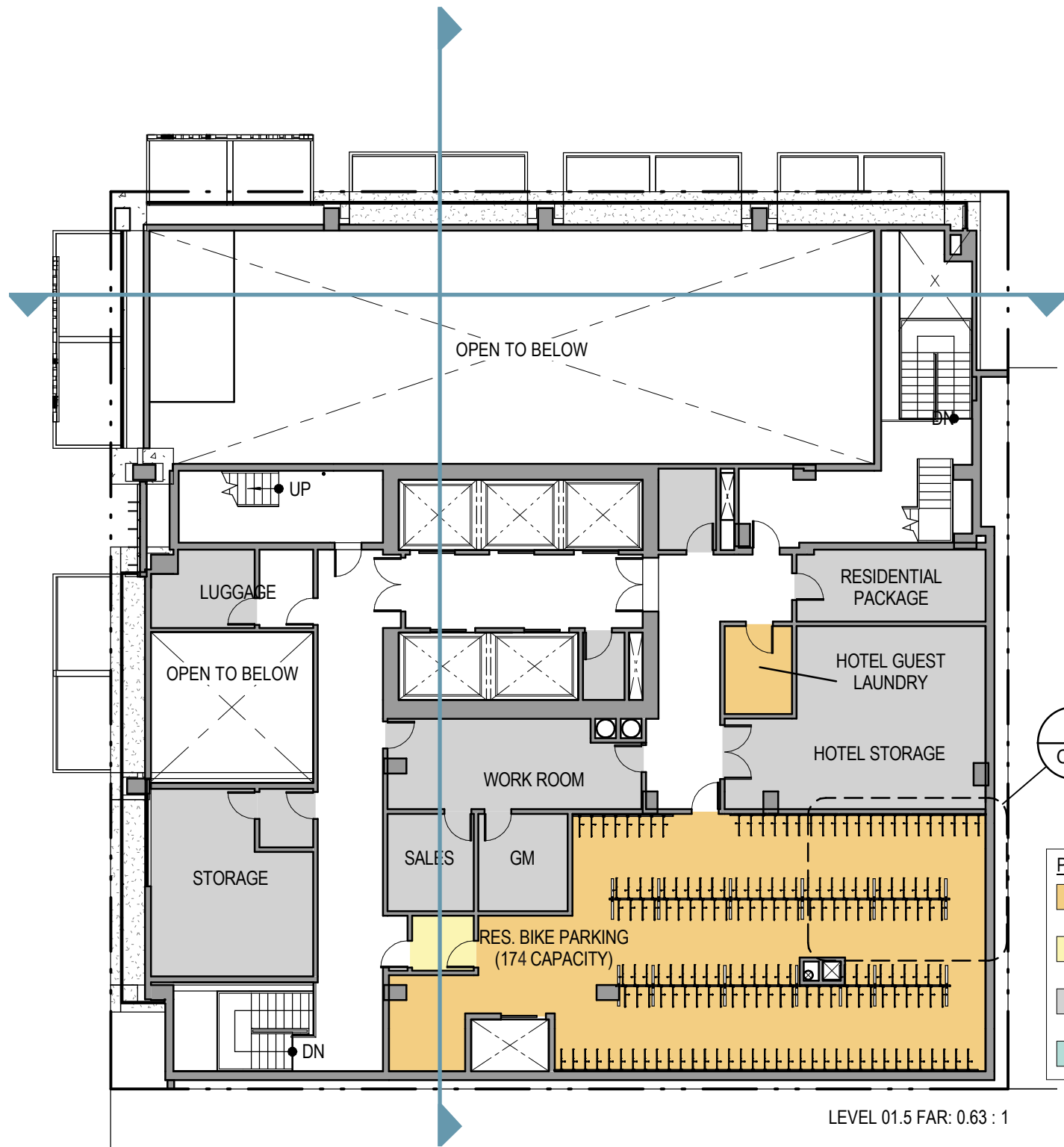
PROGRAM LEGEND

	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY

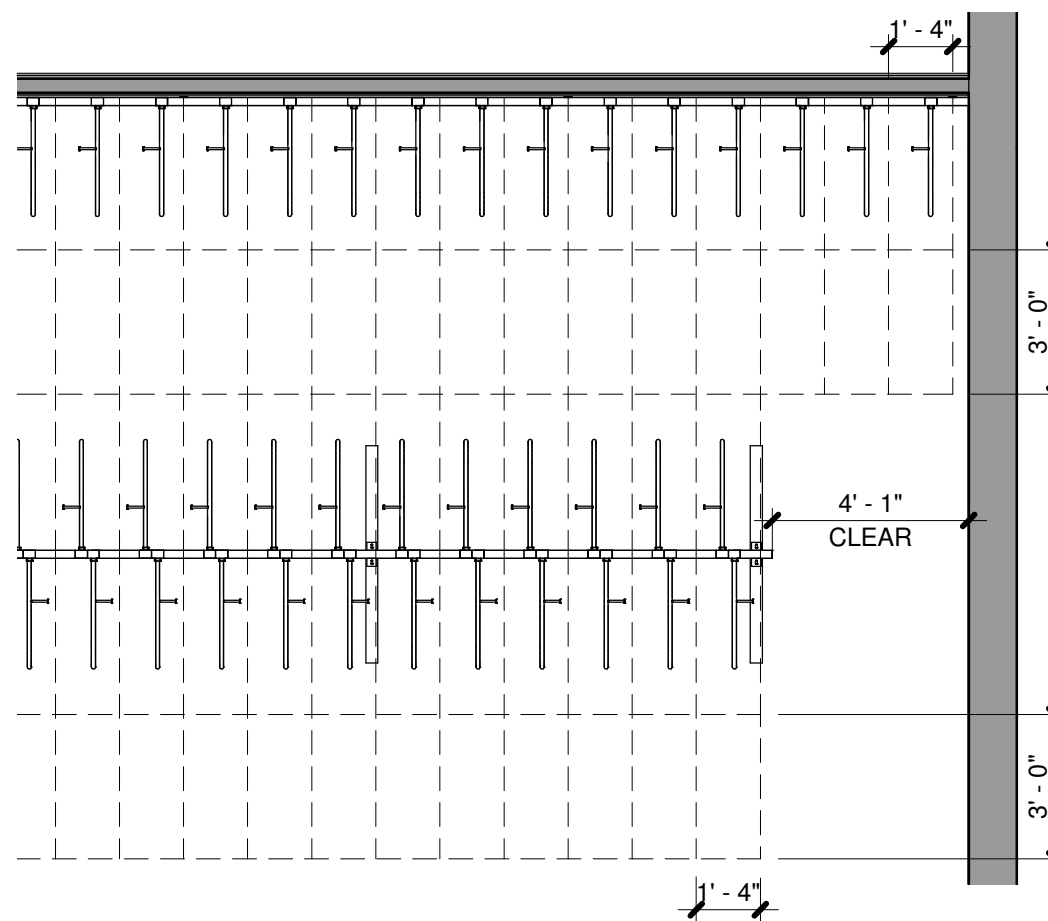
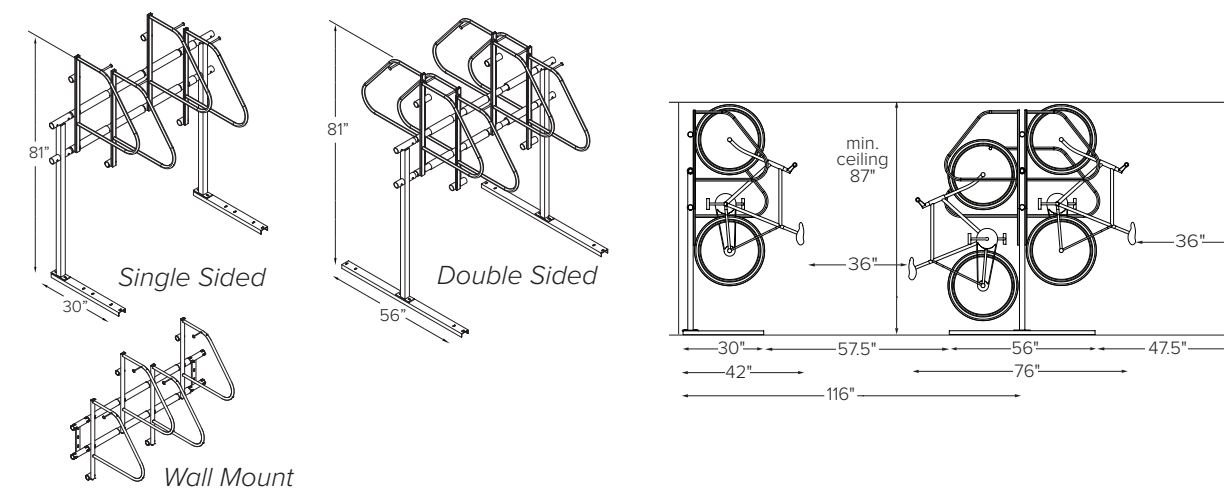


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1 LEVEL 01.5 - PLAN
1/16" = 1'-0"



2 LEVEL 01.5 - ENLARGED BIKE PARKING PLAN
1/4" = 1'-0"

PROGRAM LEGEND

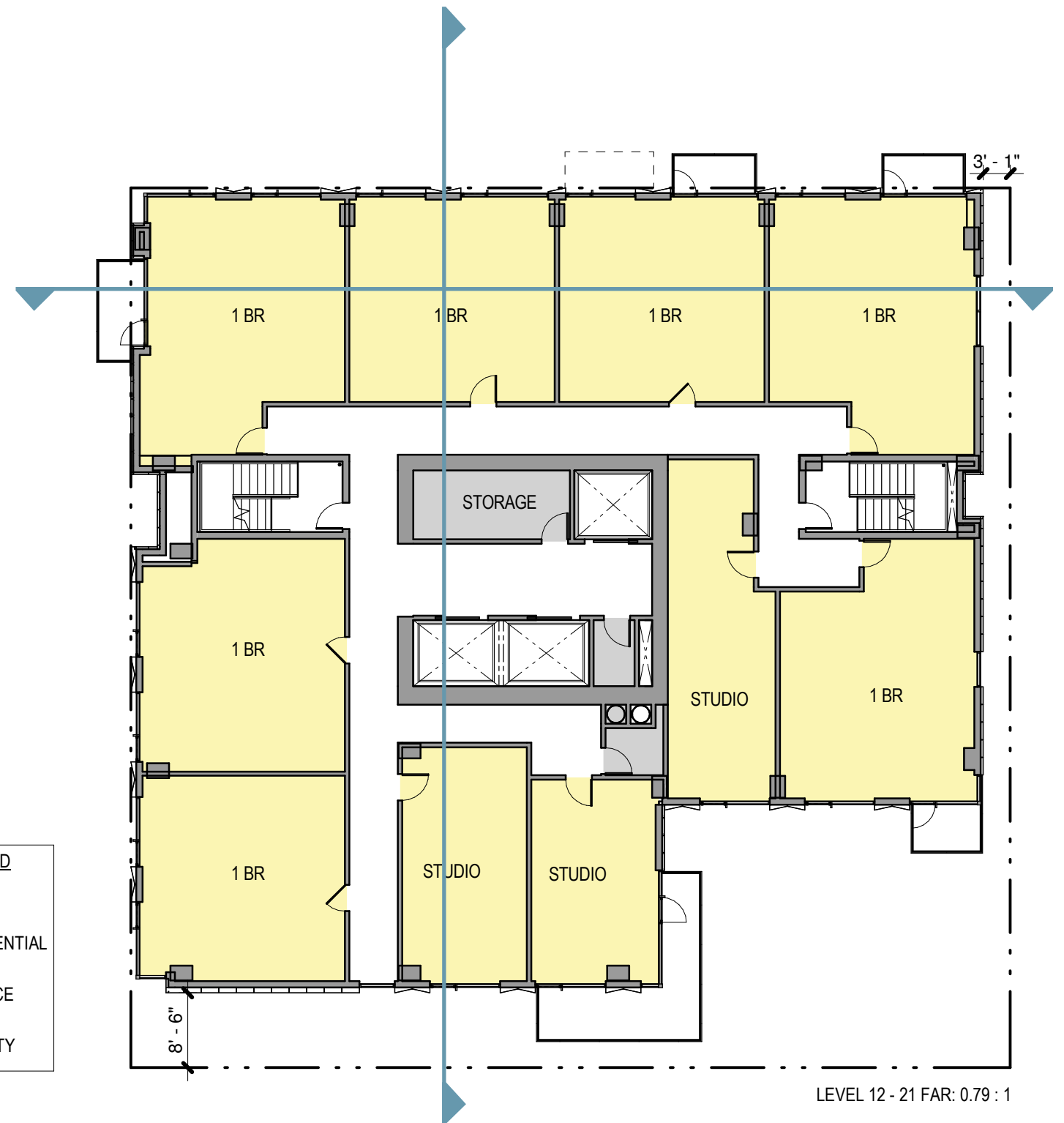
	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY



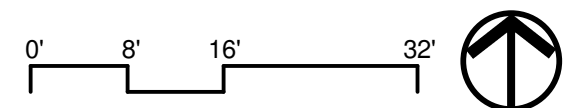
1 LEVEL 02 - 11 TYPICAL PLAN
1/16" = 1'-0"

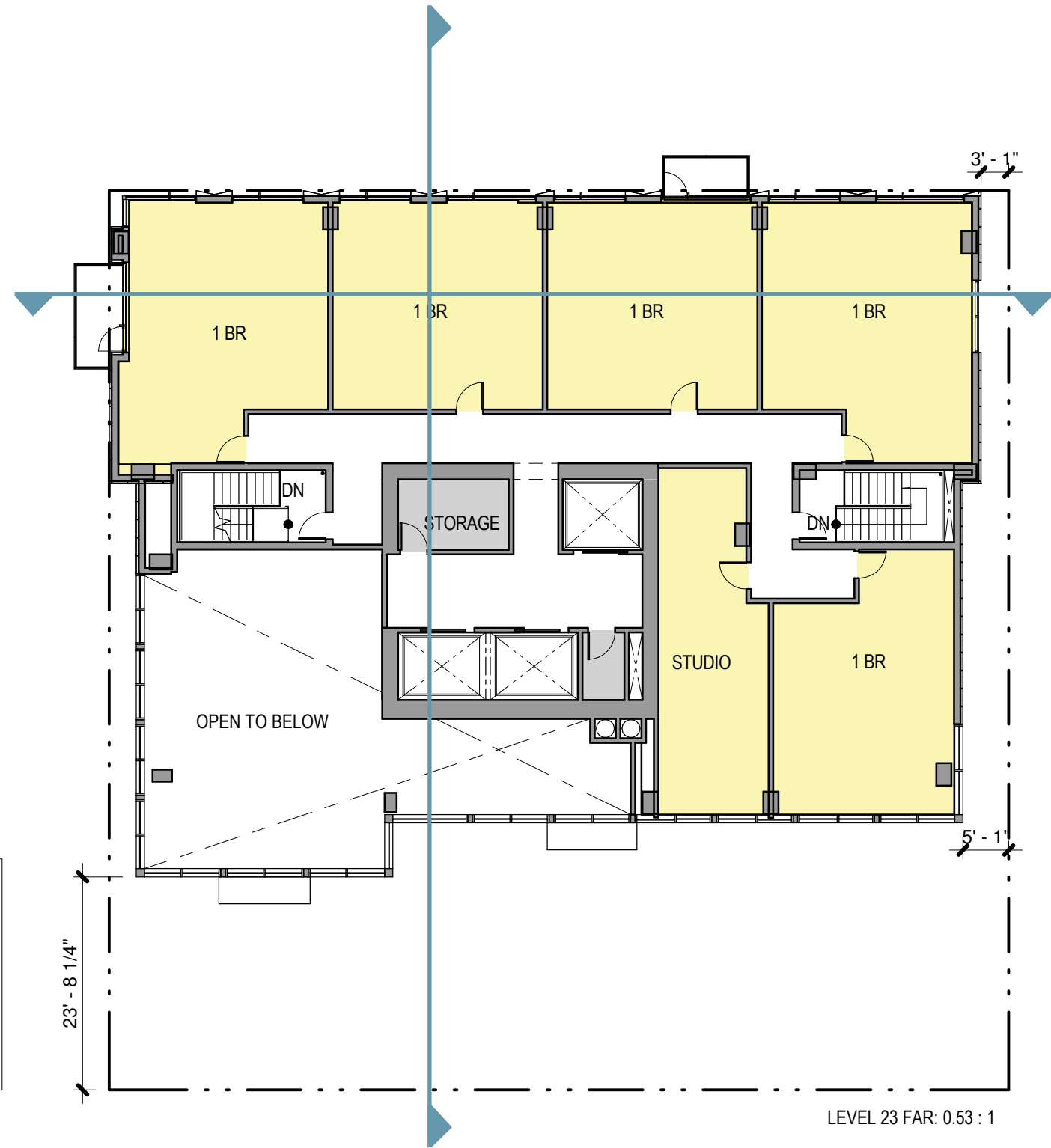
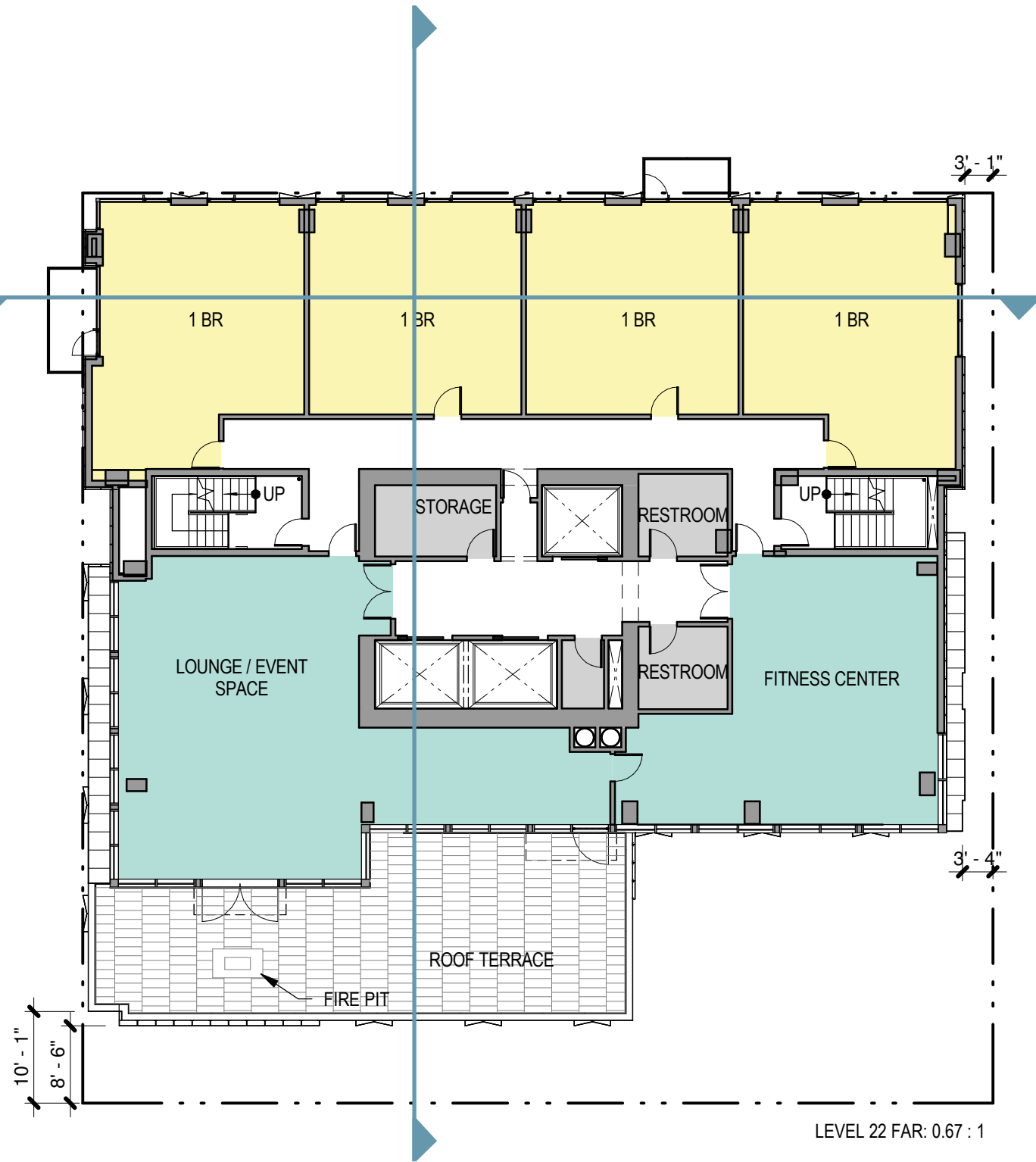
PROGRAM LEGEND

	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY



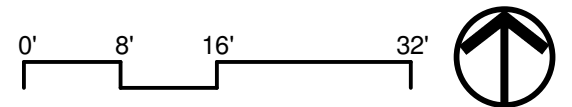
2 LEVEL 12-21 TYPICAL PLAN
1/16" = 1'-0"





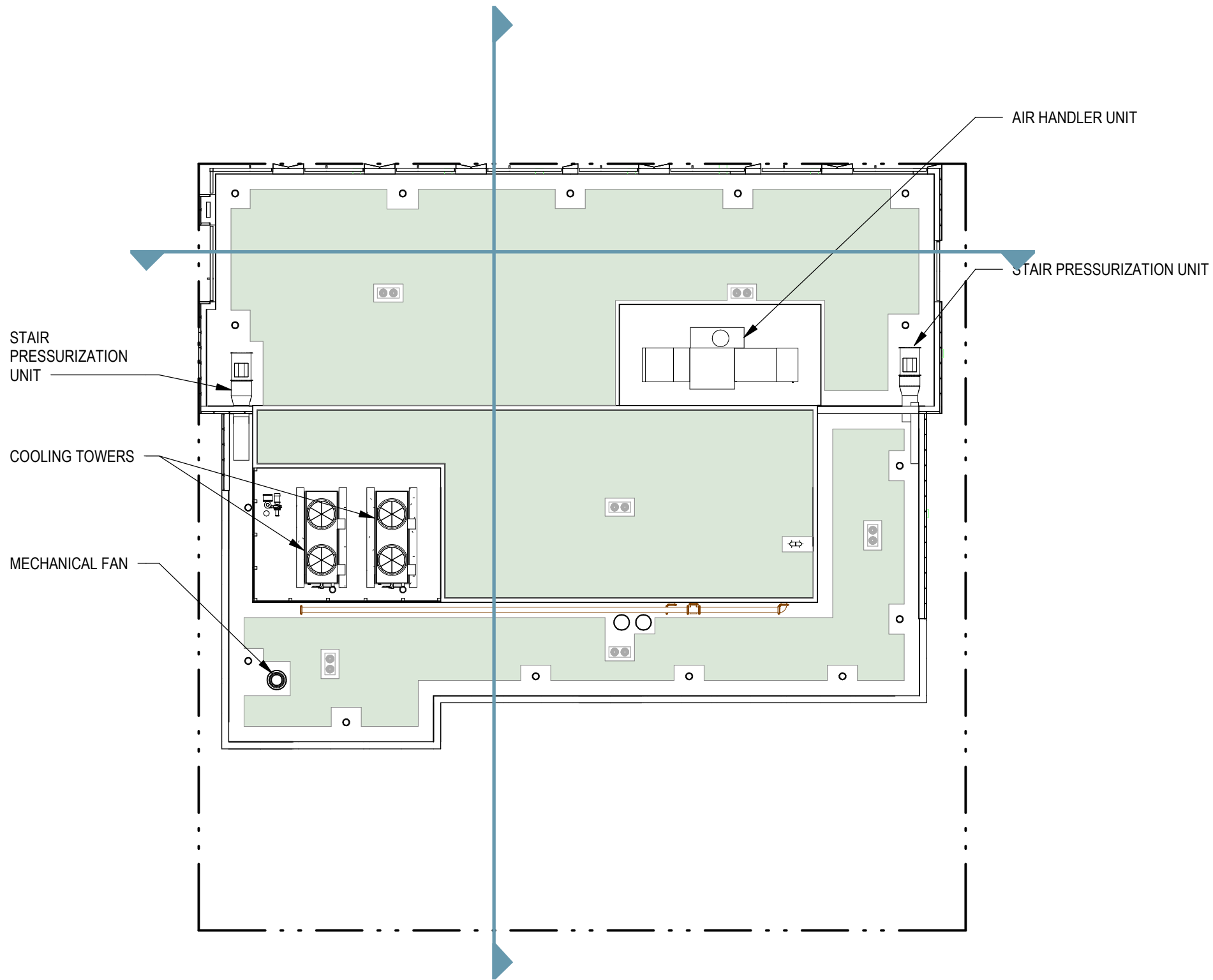
PROGRAM LEGEND

	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY



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ECO-ROOF AREAS

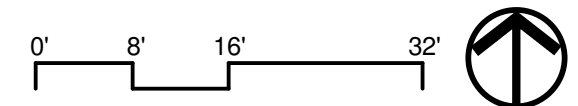
LEVEL 02 ECO-ROOF	1,041 SF
PENTHOUSE ECO-ROOF	4,379 SF
TOTAL ECO-ROOF AREA	5,420 SF

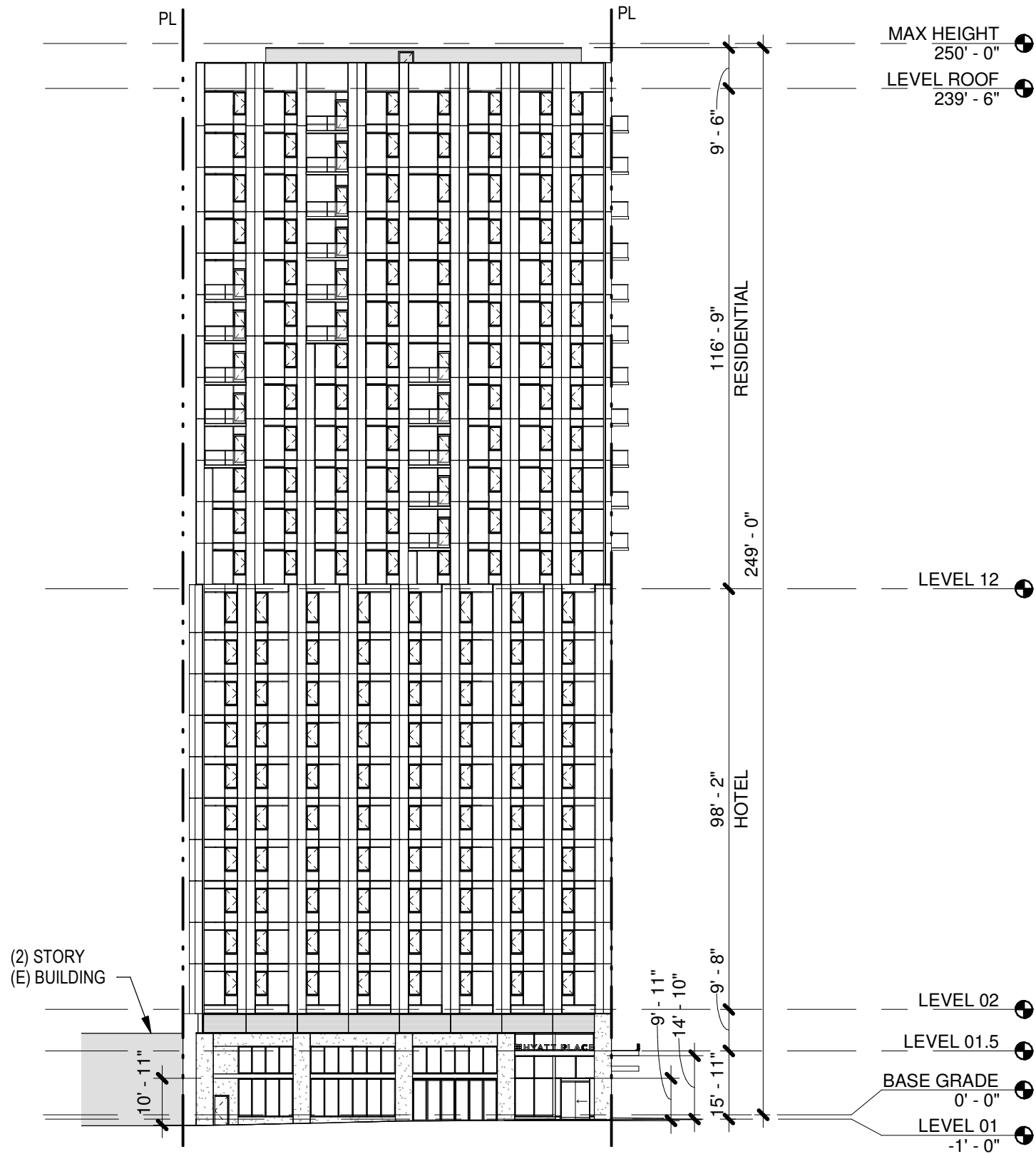
ELEVATOR OVERRUN	70 SF
ROOF TERRACE	1,190 SF
MECHANICAL & ACCESS	2,307 SF
TOTAL NON-ECOROOF AREA	3,567 SF

LEVEL 02 ROOF AREA	1,384 SF
LEVEL 22 ROOF AREA	1,190 SF
PENTHOUSE ROOF AREA	6,413 SF
TOTAL ROOF AREAS	8,987 SF

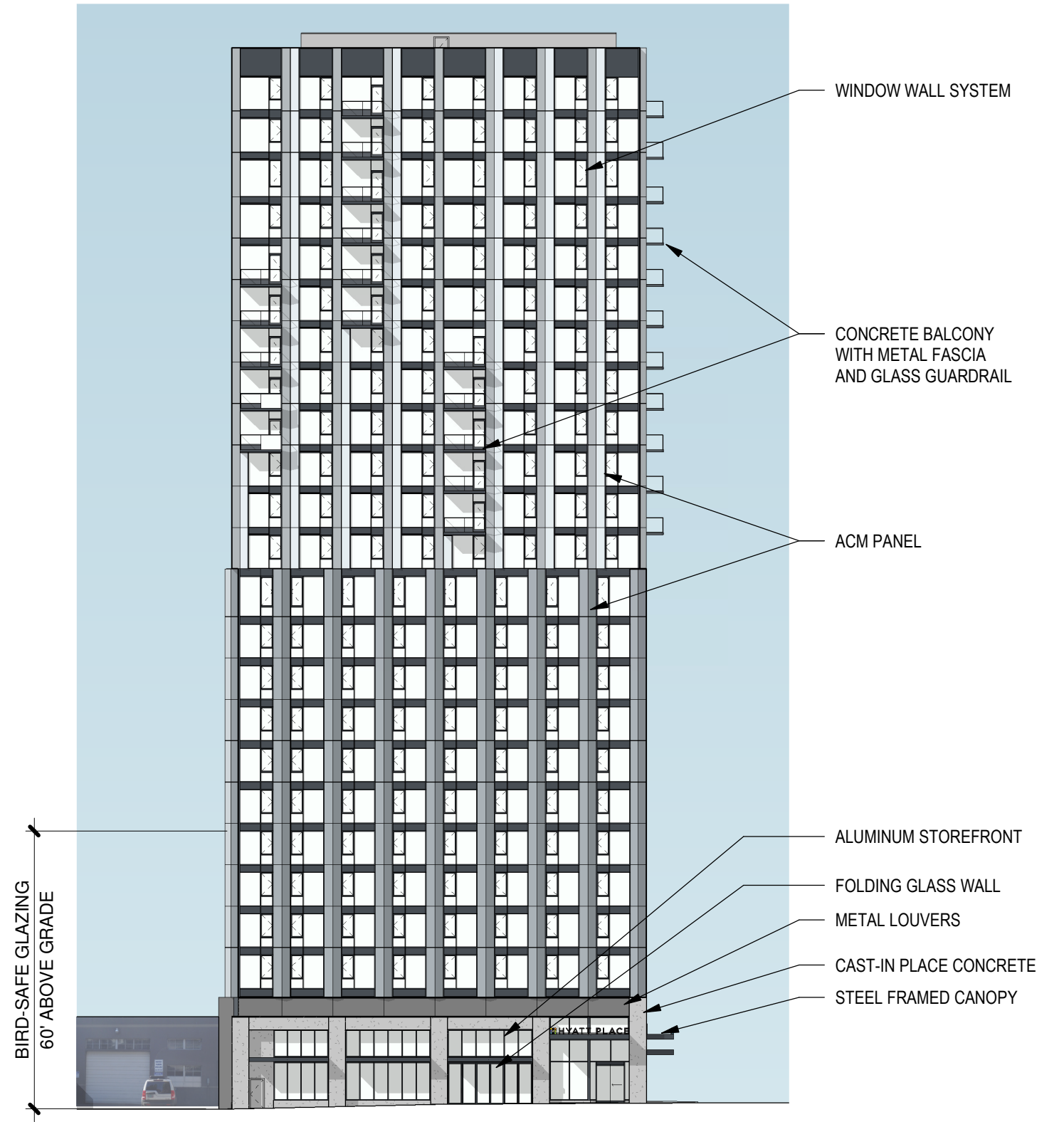
TOTAL ECOROOF AREA	5,420 SF (60.3%)
TOTAL ROOF AREAS	8,987 SF (100%)
TOTAL SITE AREA	10,000 SF

1 LEVEL ROOF - PLAN
1/16" = 1'-0"



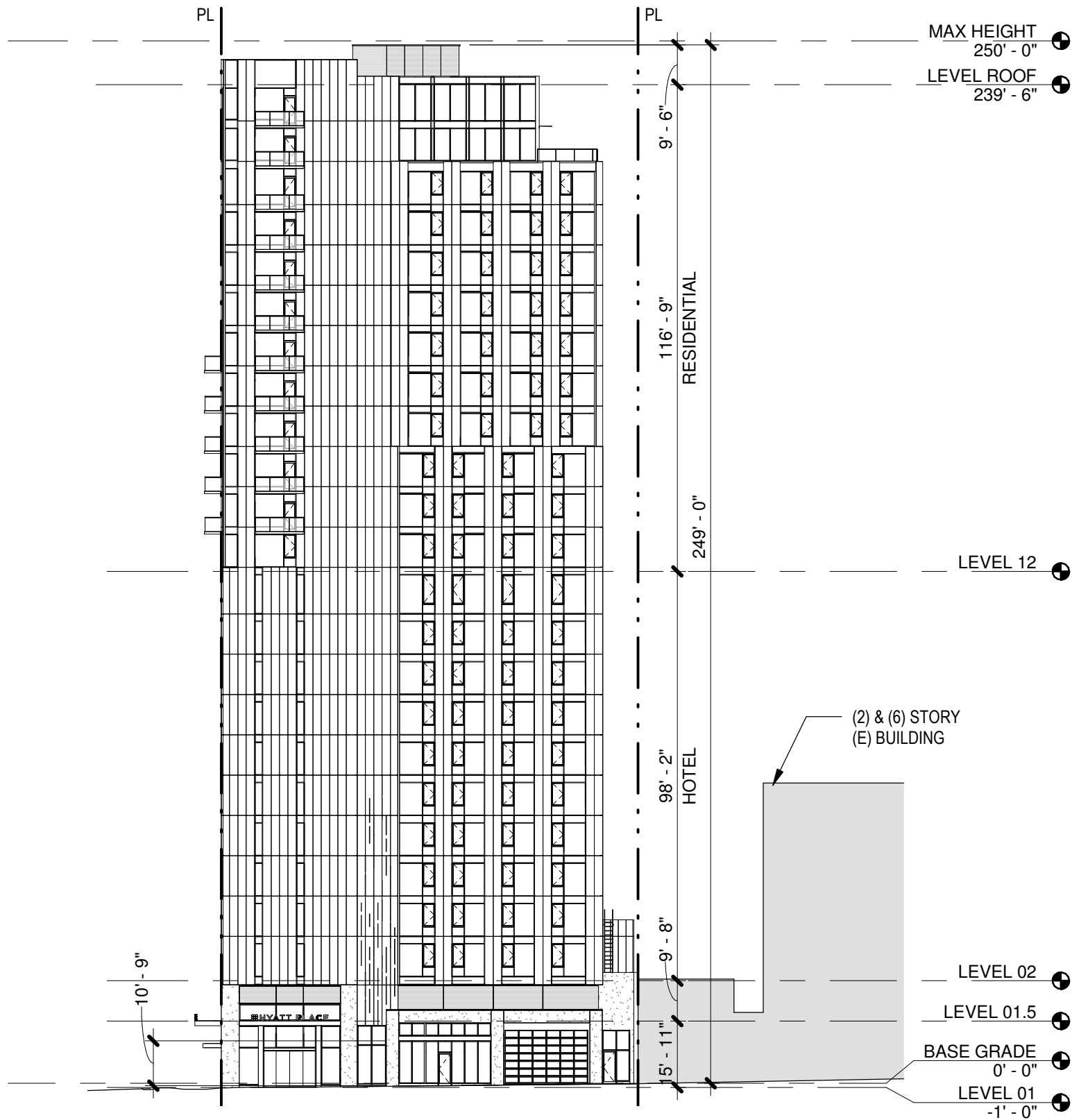


1 NORTH ELEVATION - BLACK & WHITE
1/32" = 1'-0"

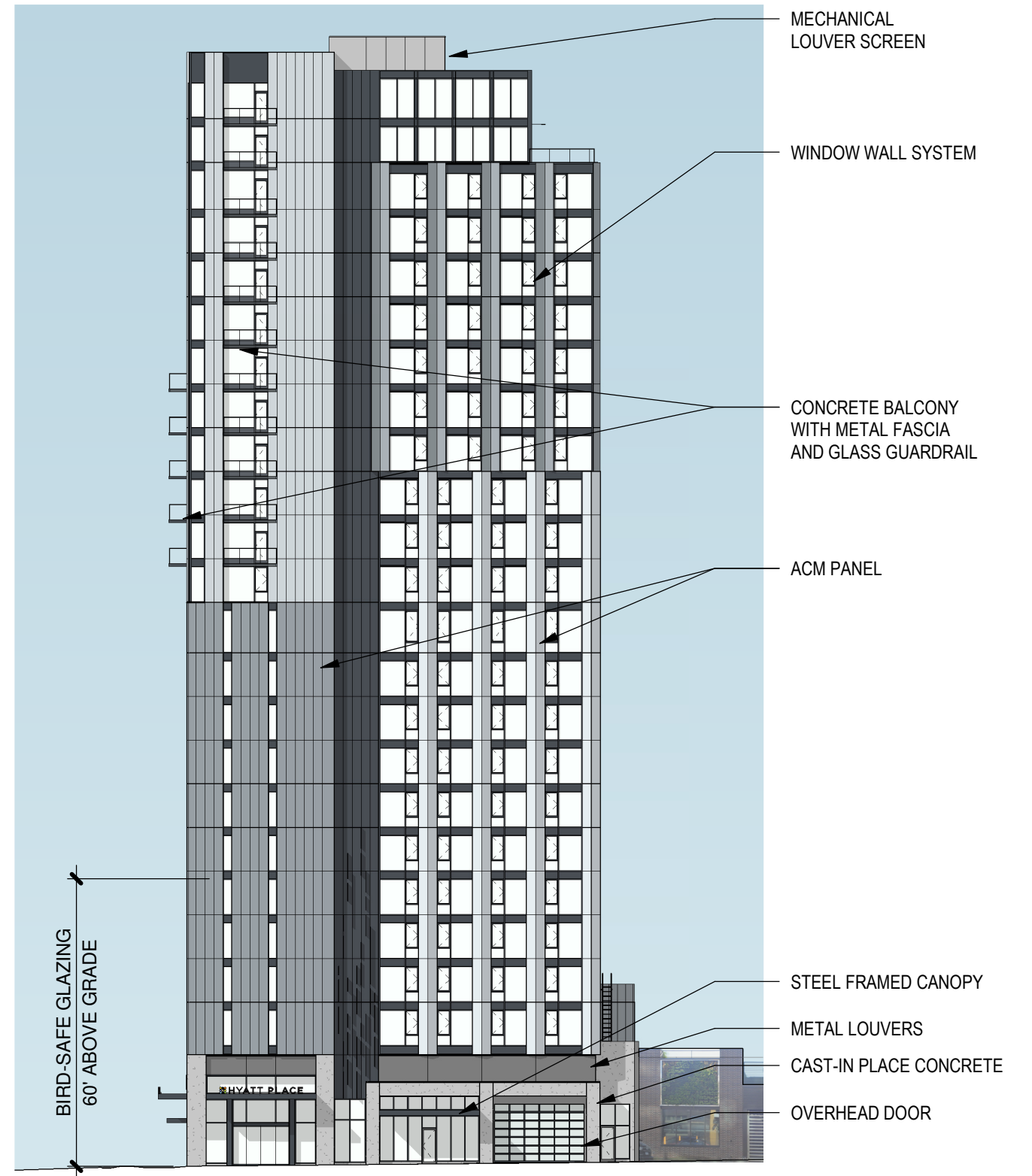


2 NORTH ELEVATION - COLOR
1/32" = 1'-0"

HYATT PLACE | TYPE III DESIGN REVIEW | ELEVATIONS - NORTH



1 WEST ELEVATION - BLACK & WHITE
1/32" = 1'-0"



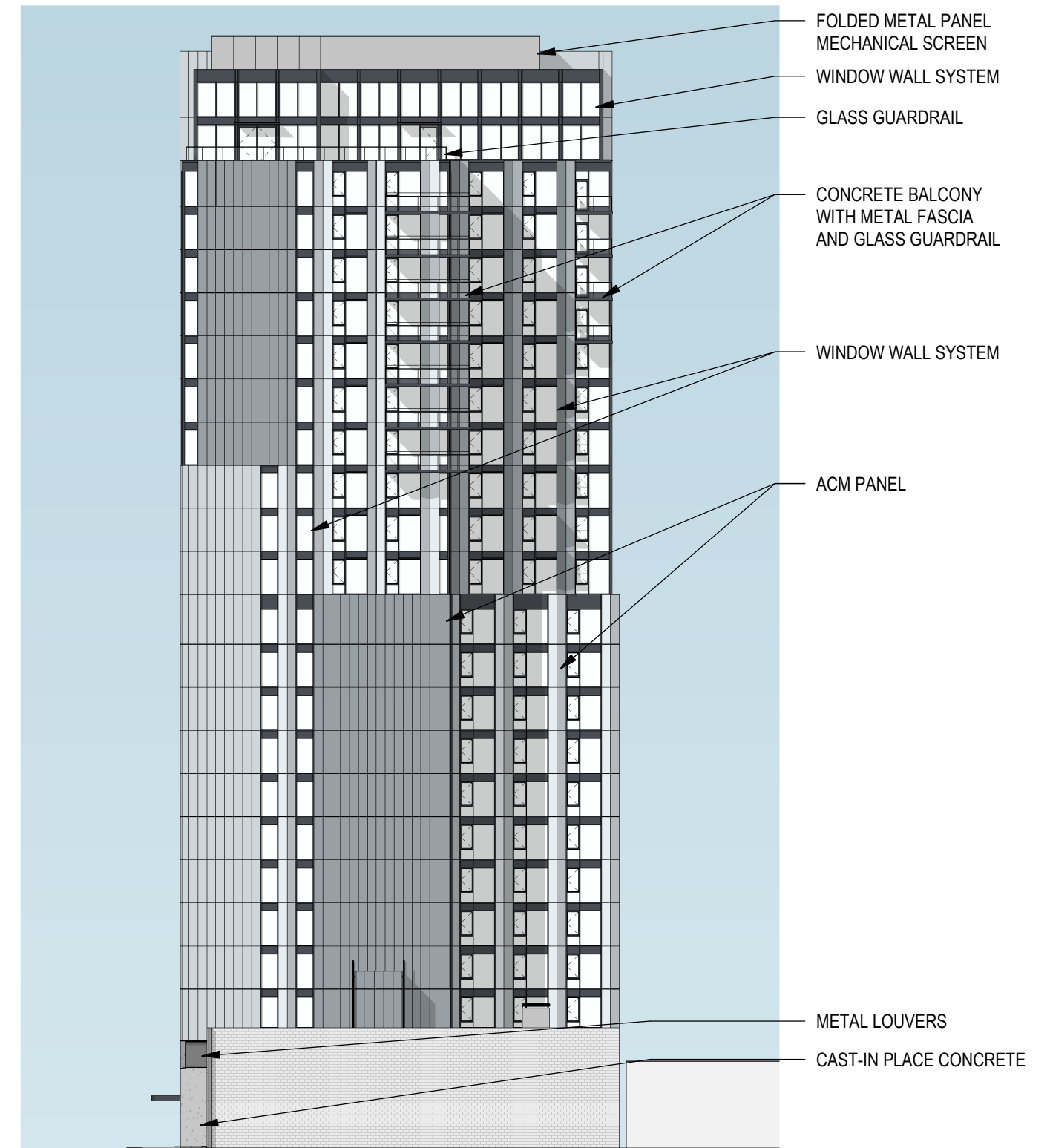
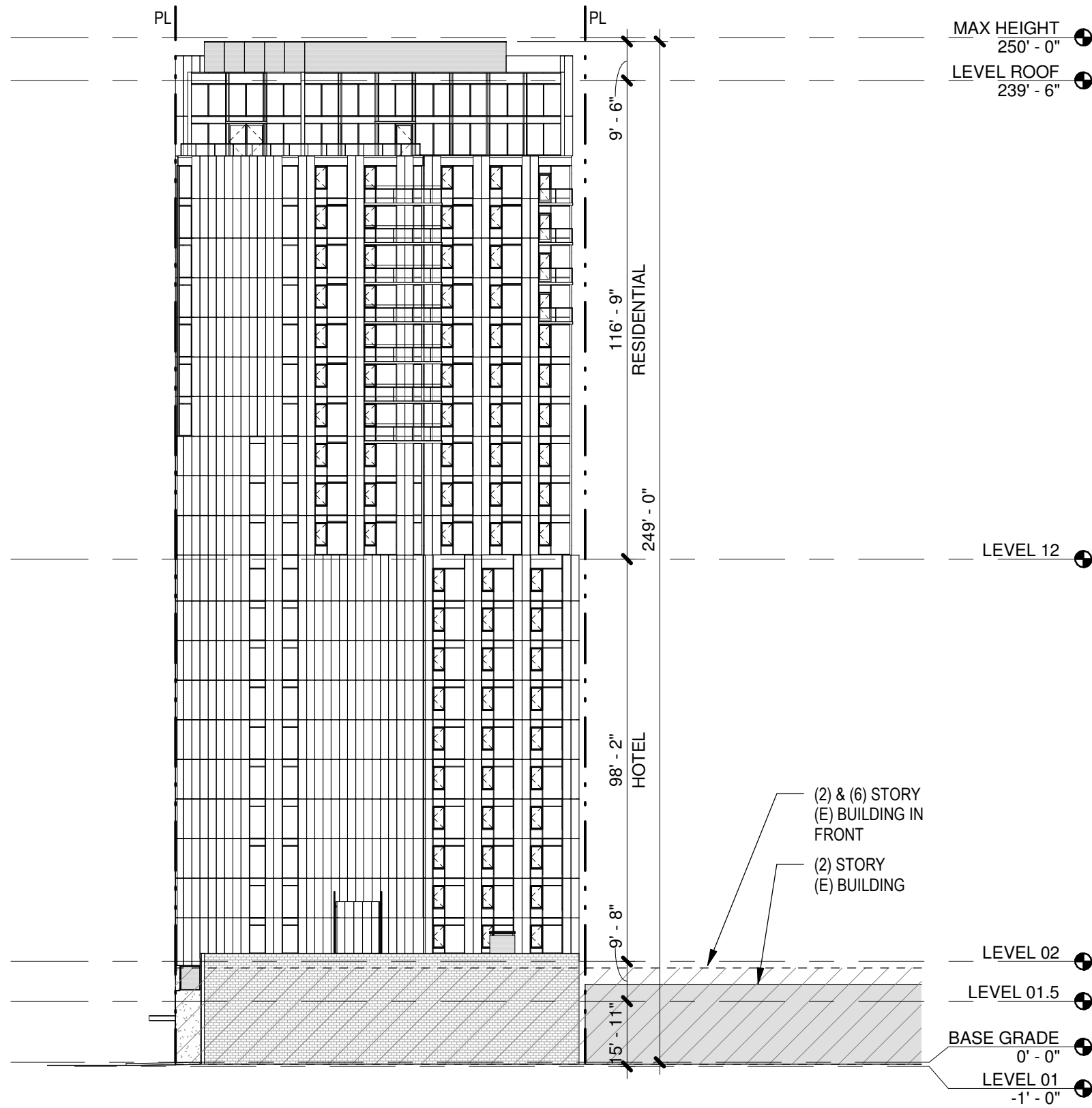
2 WEST ELEVATION - COLOR
1/32" = 1'-0"

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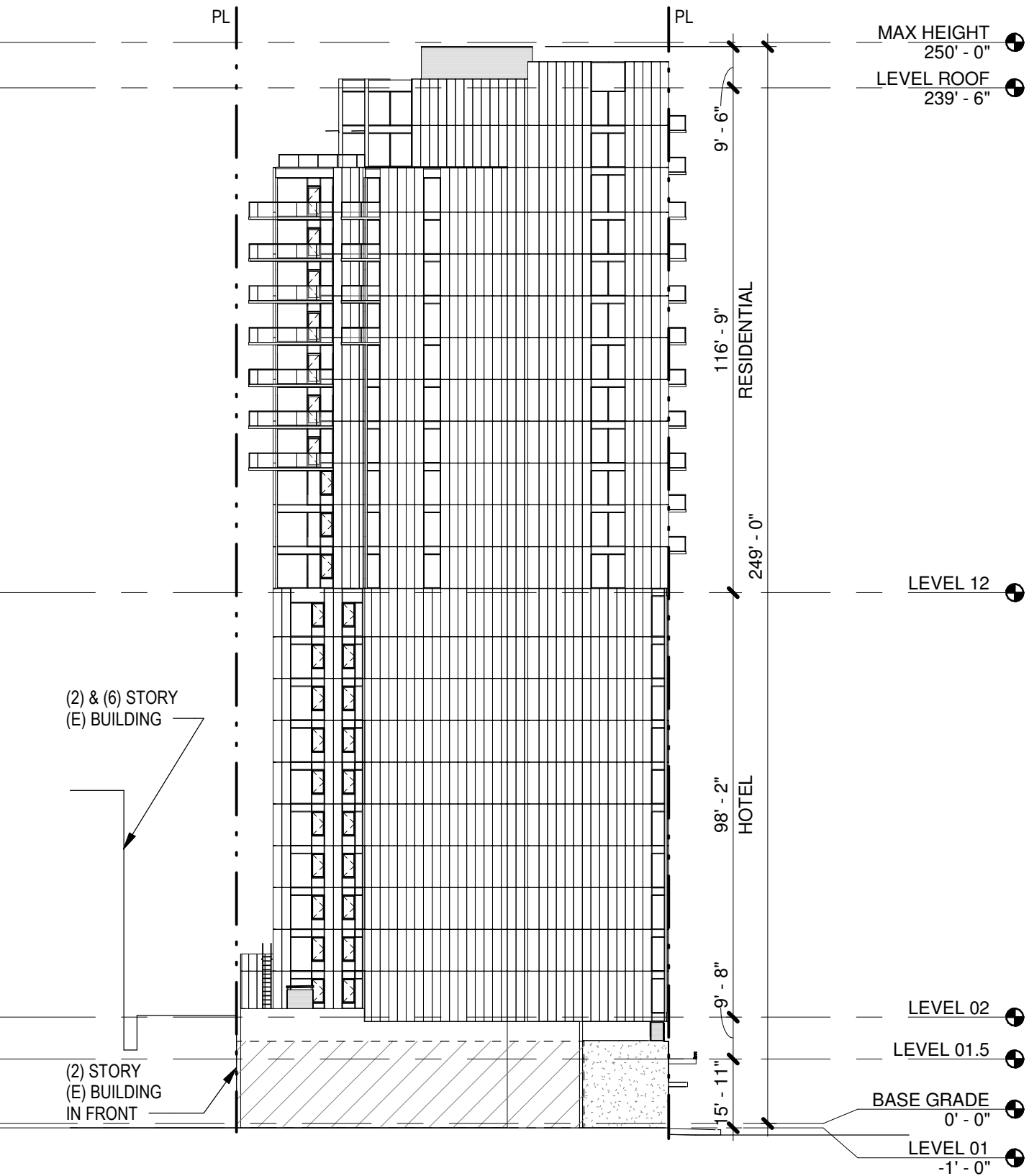


C.11

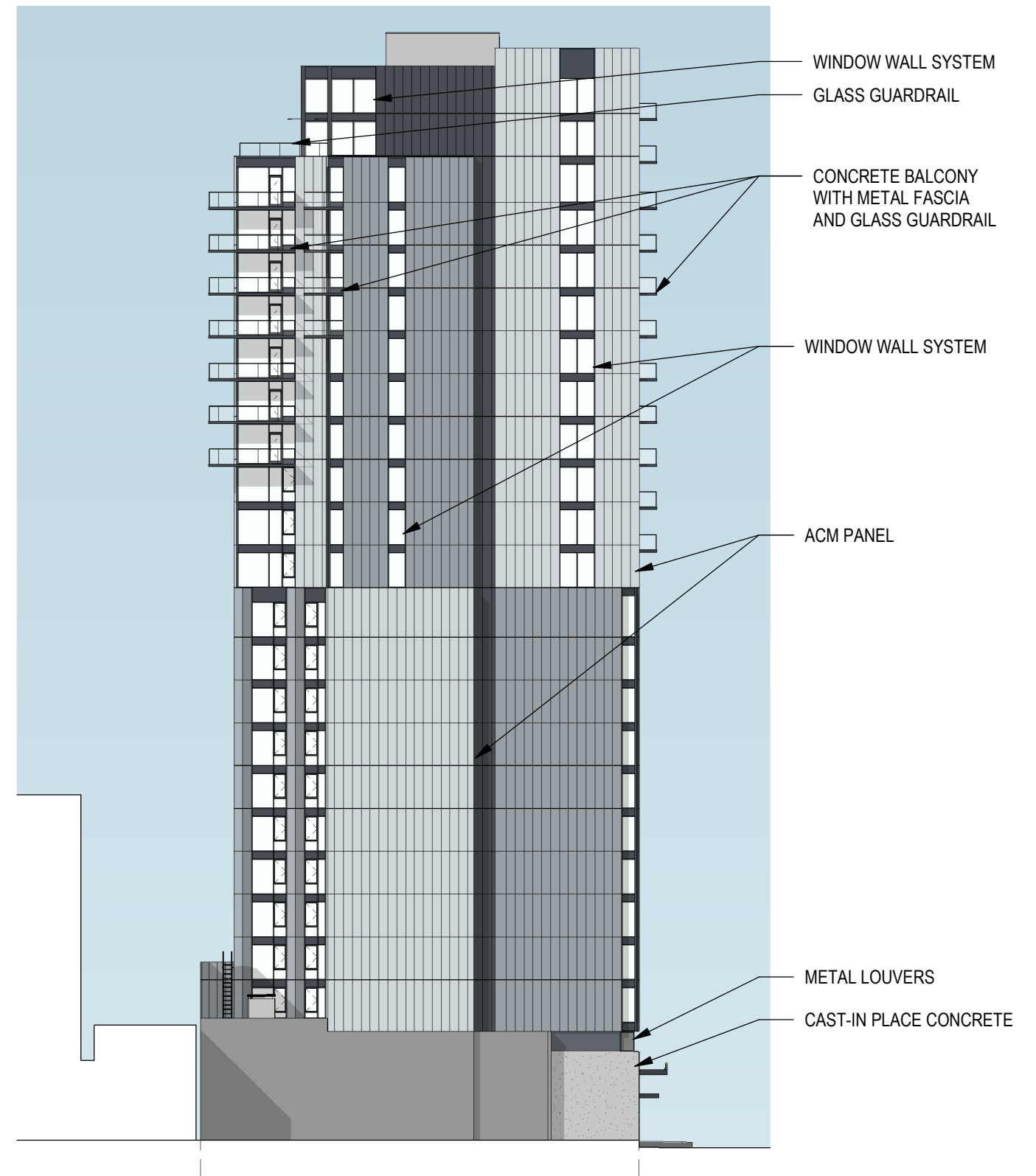


1 SOUTH ELEVATION - BLACK & WHITE
1/32" = 1'-0"

2 SOUTH ELEVATION - COLOR
1/32" = 1'-0"



1 EAST ELEVATION - BLACK & WHITE
1/32" = 1'-0"



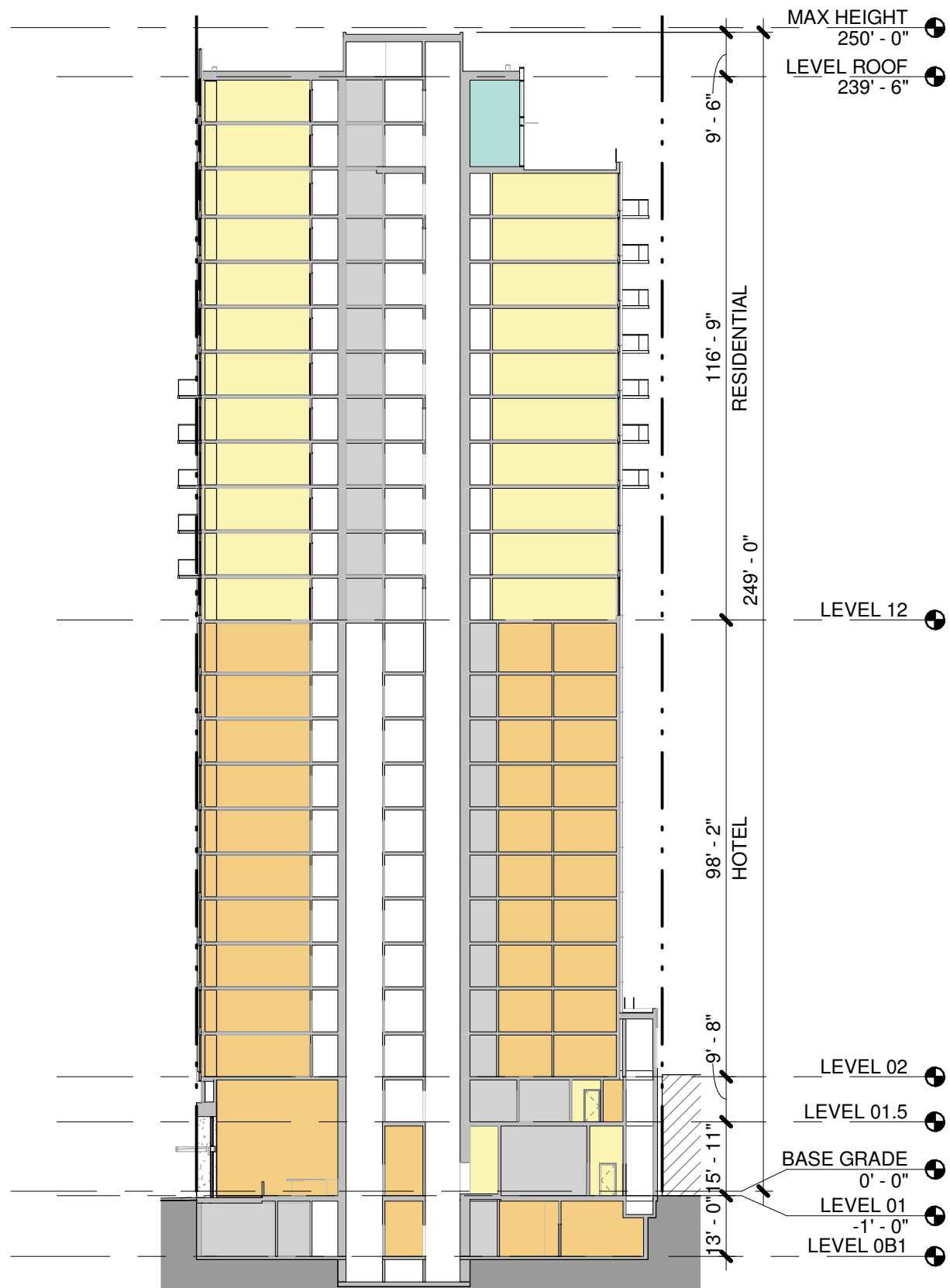
2 EAST ELEVATION - COLOR
1/32" = 1'-0"

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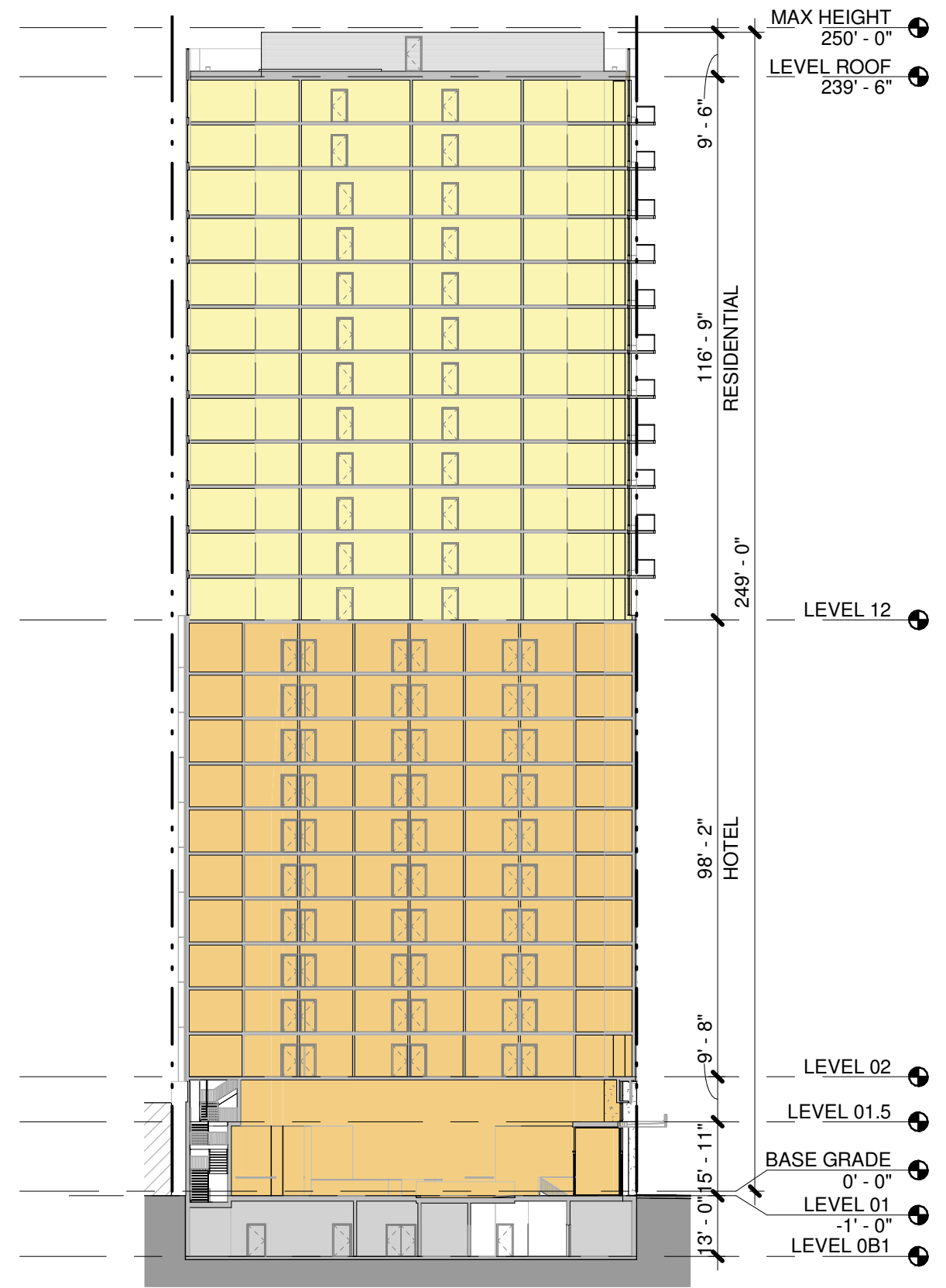


C.13

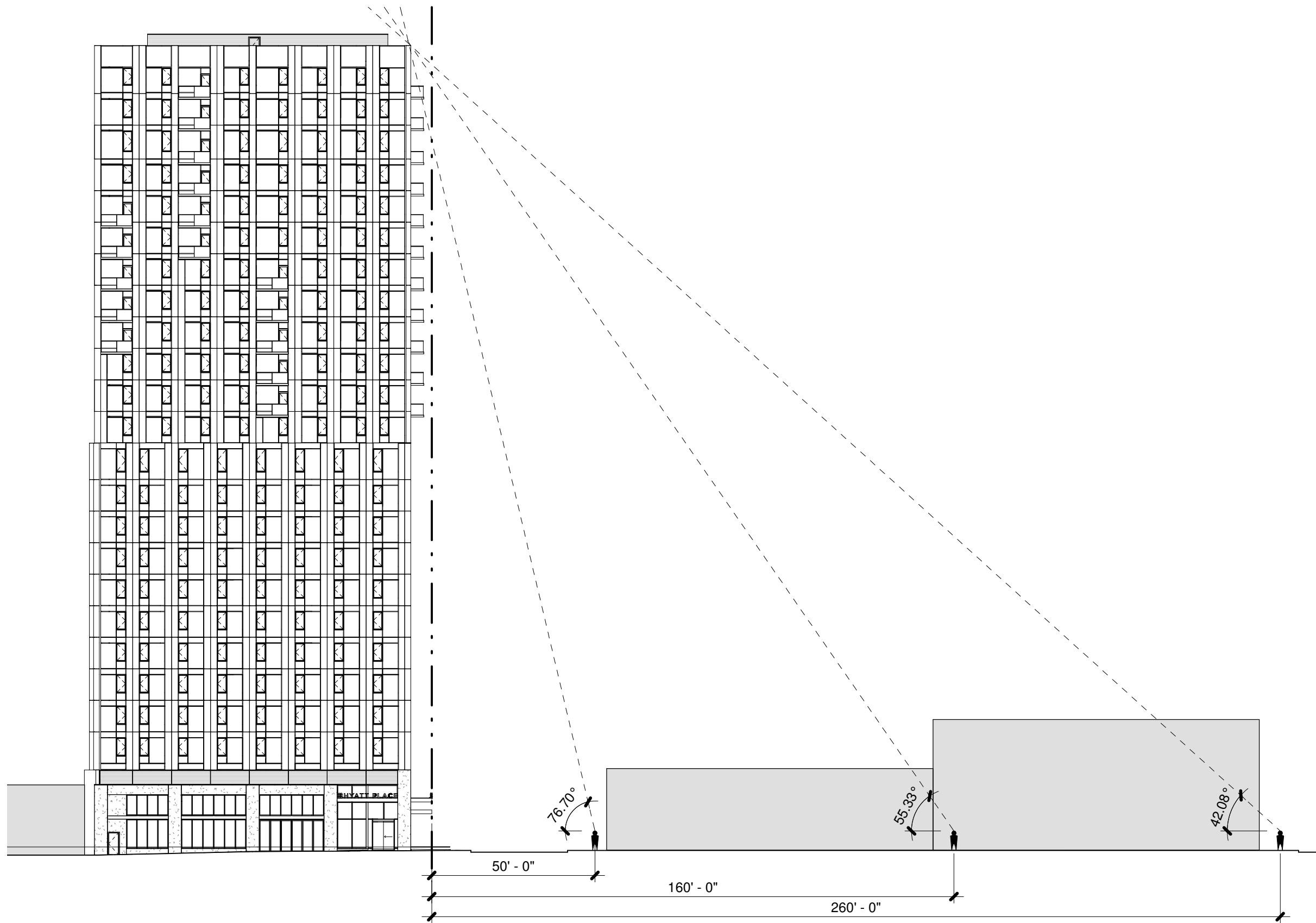


1 NORTH / SOUTH SECTION
1/32" = 1'-0"

PROGRAM LEGEND	
	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY



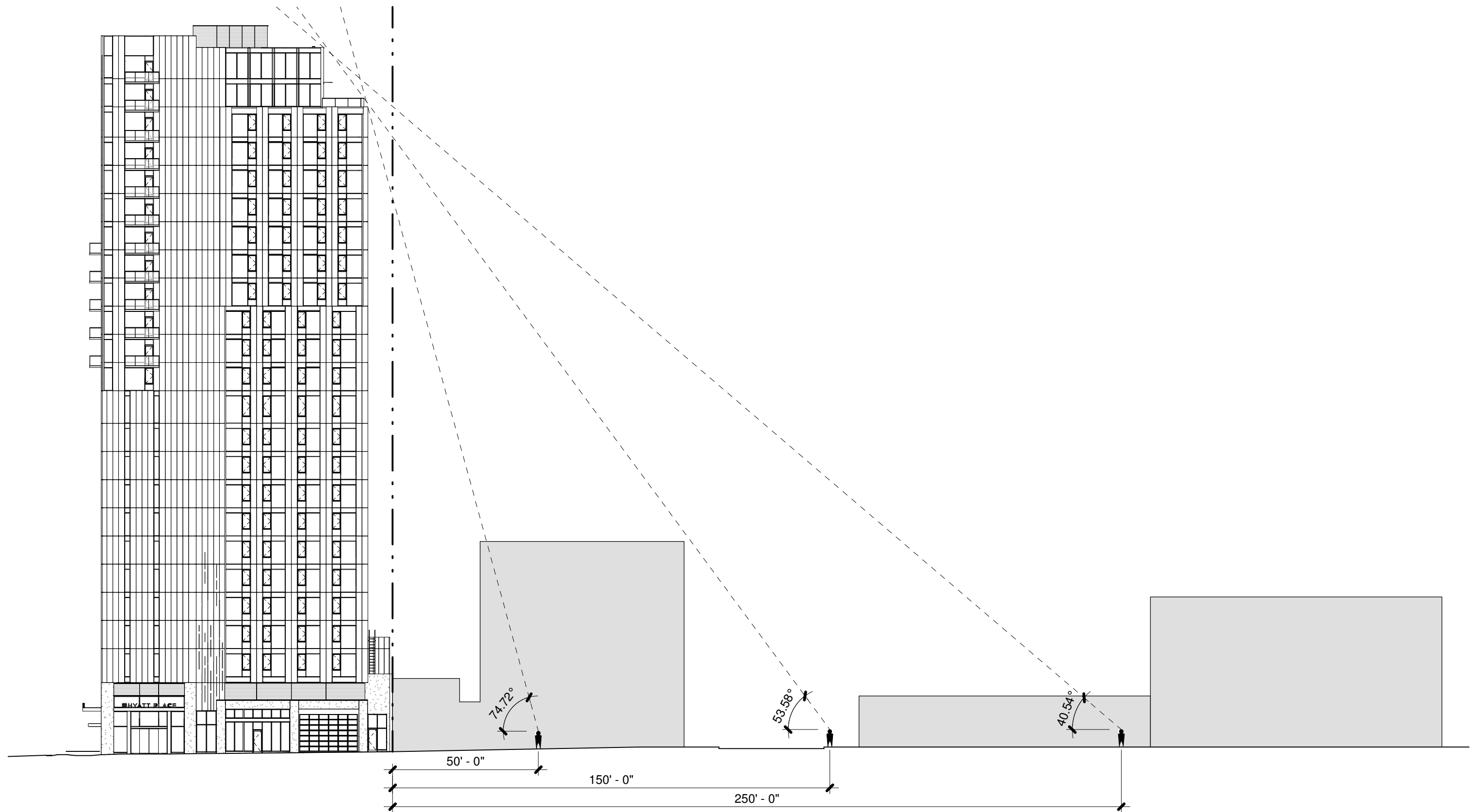
2 EAST / WEST SECTION
1/32" = 1'-0"



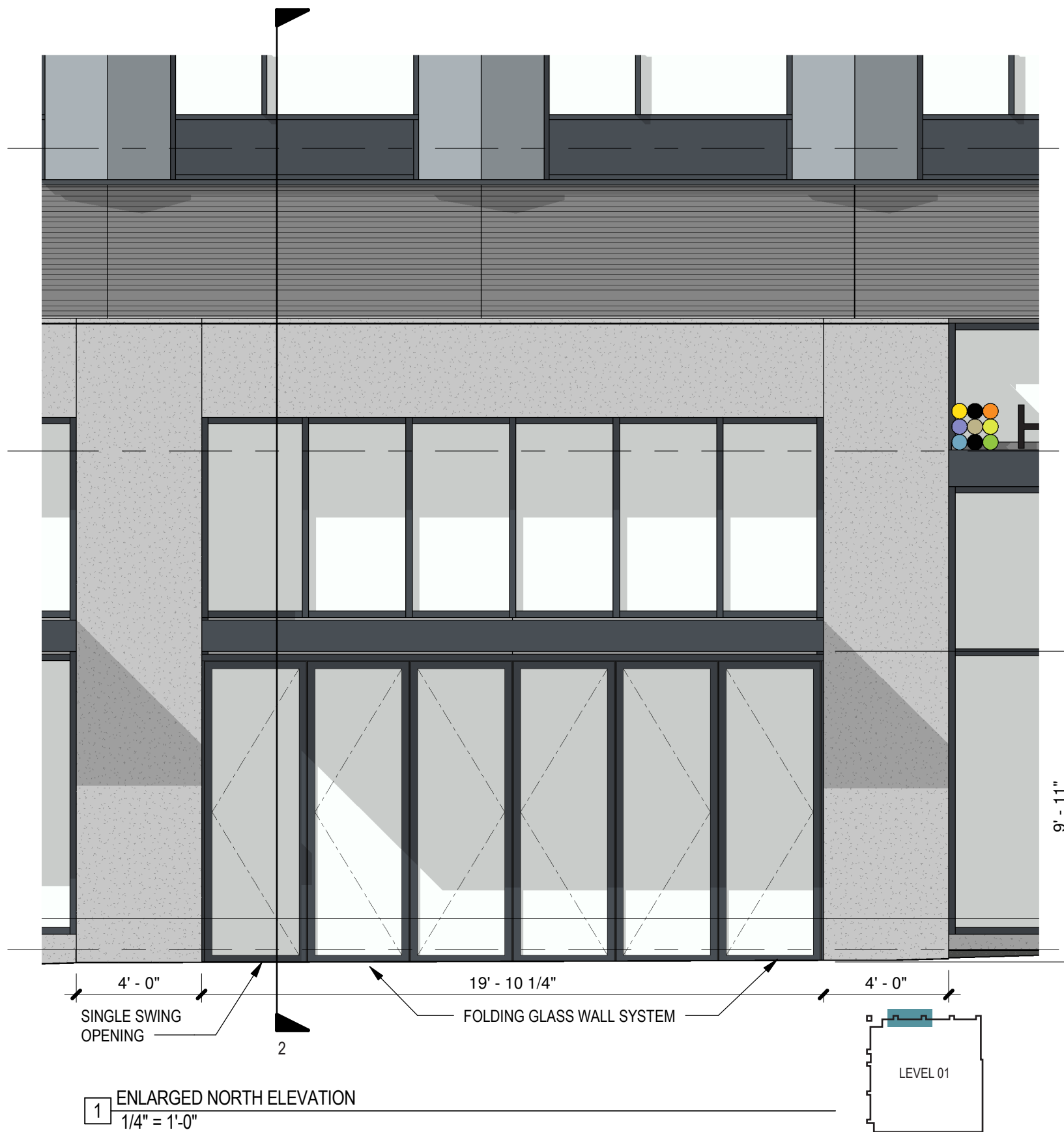
1 NORTH ELEVATION - SIGHTLINES
 1/32" = 1'-0"

HYATT PLACE | TYPE III DESIGN REVIEW | SIGHTLINES DIAGRAM - NORTH

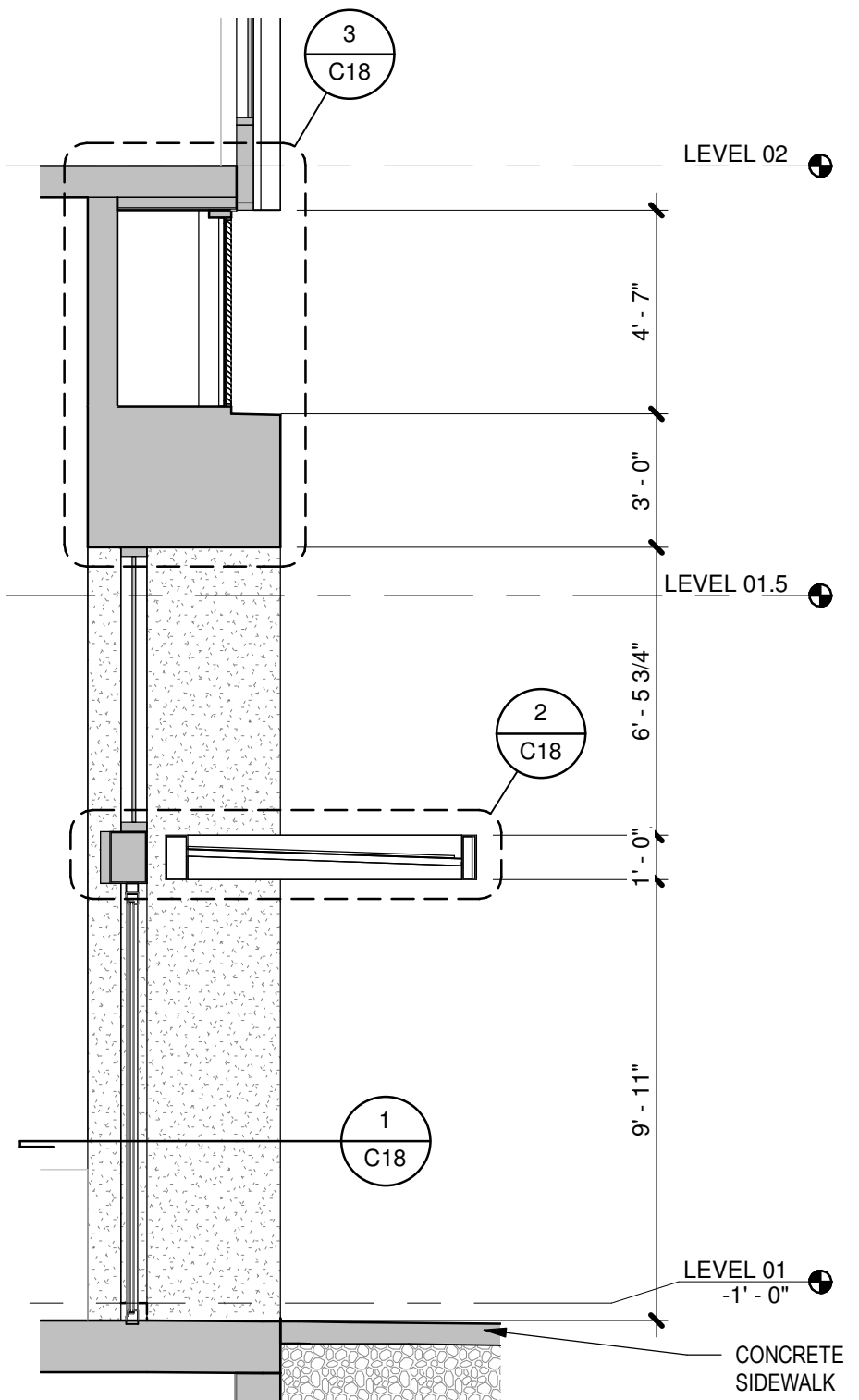
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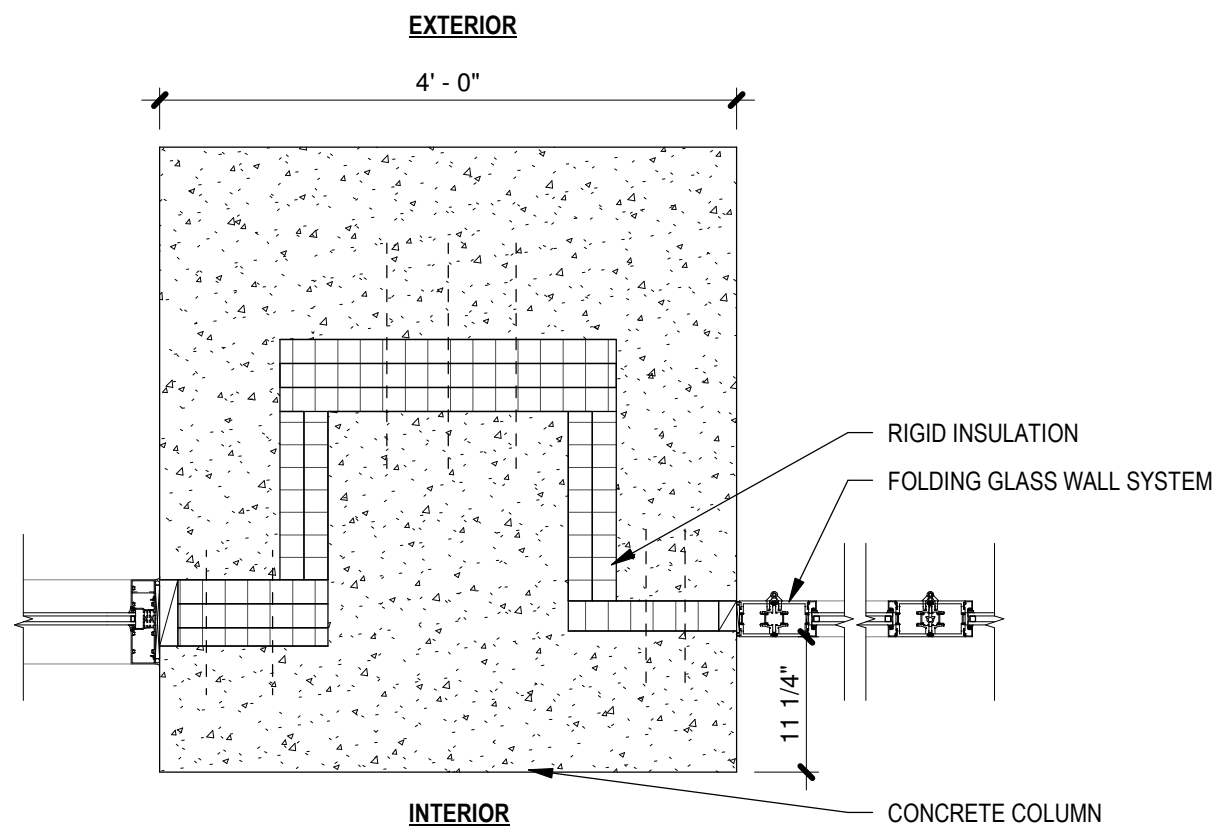
1 WEST ELEVATION - SIGHTLINES
 1/32" = 1'-0"



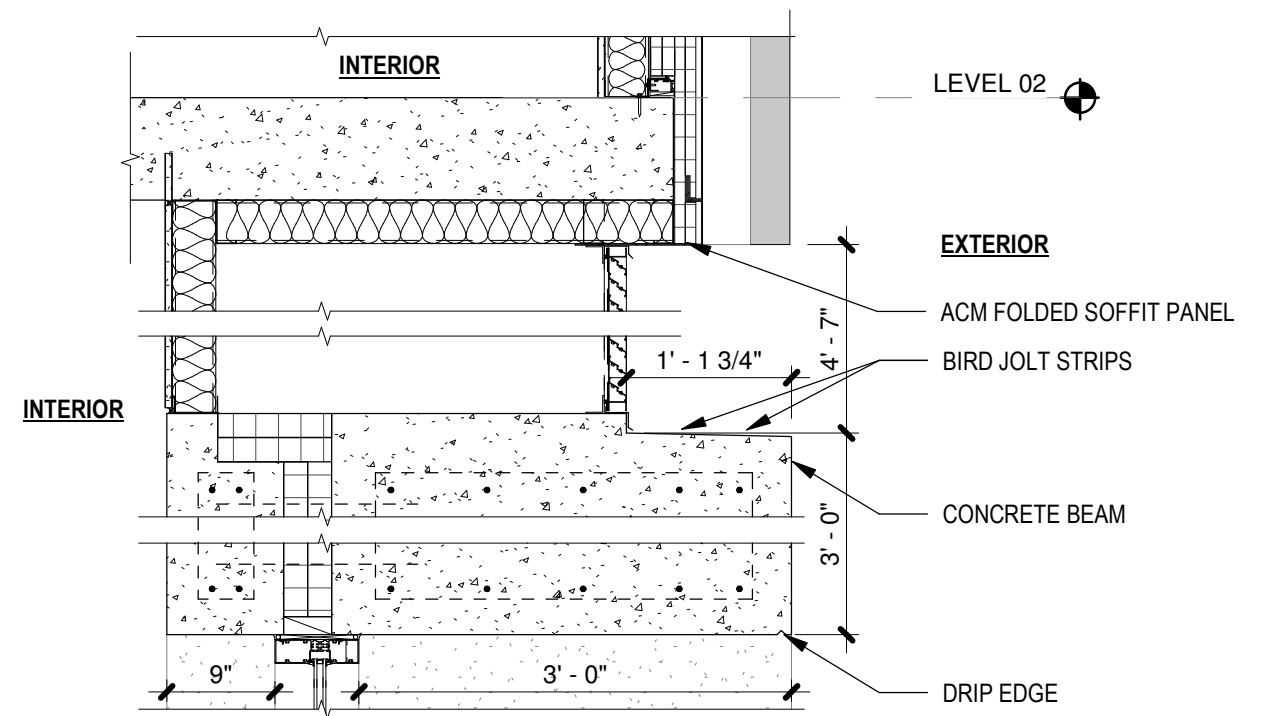
1 ENLARGED NORTH ELEVATION
1/4" = 1'-0"



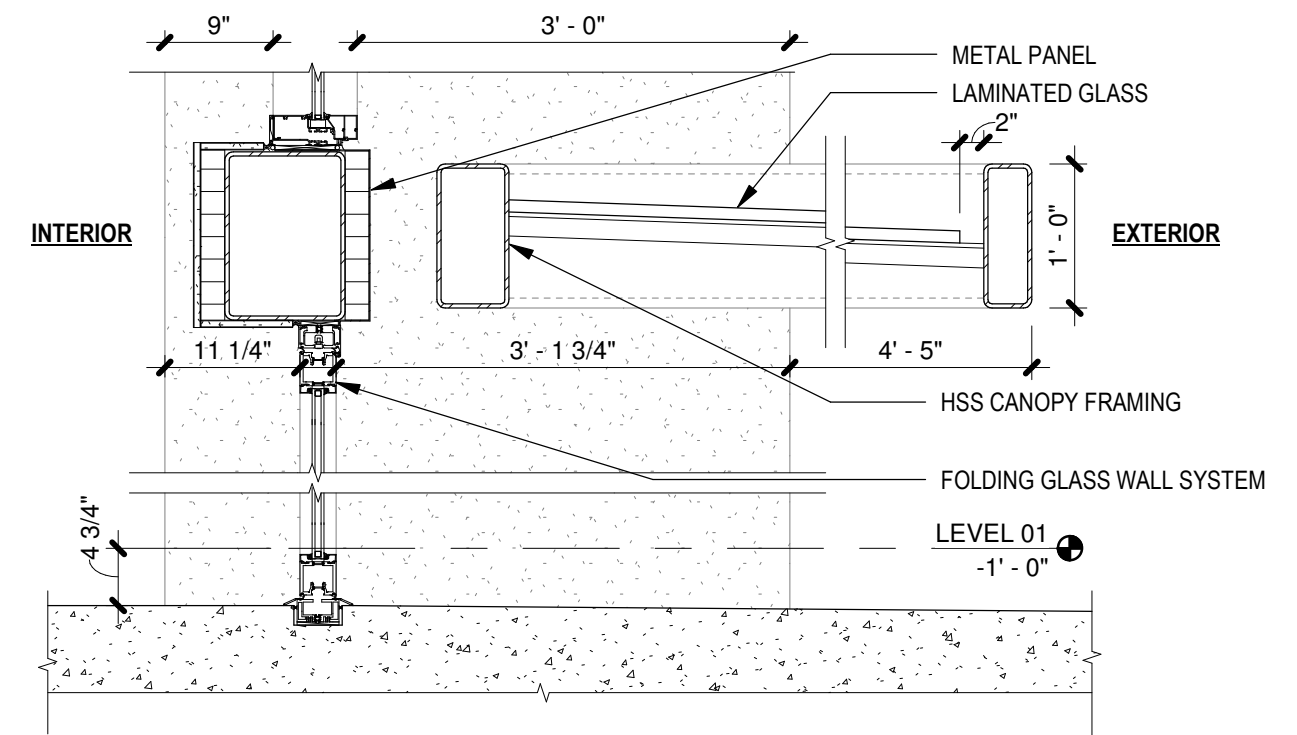
2 NORTH FACADE WALL SECTION
1/4" = 1'-0"



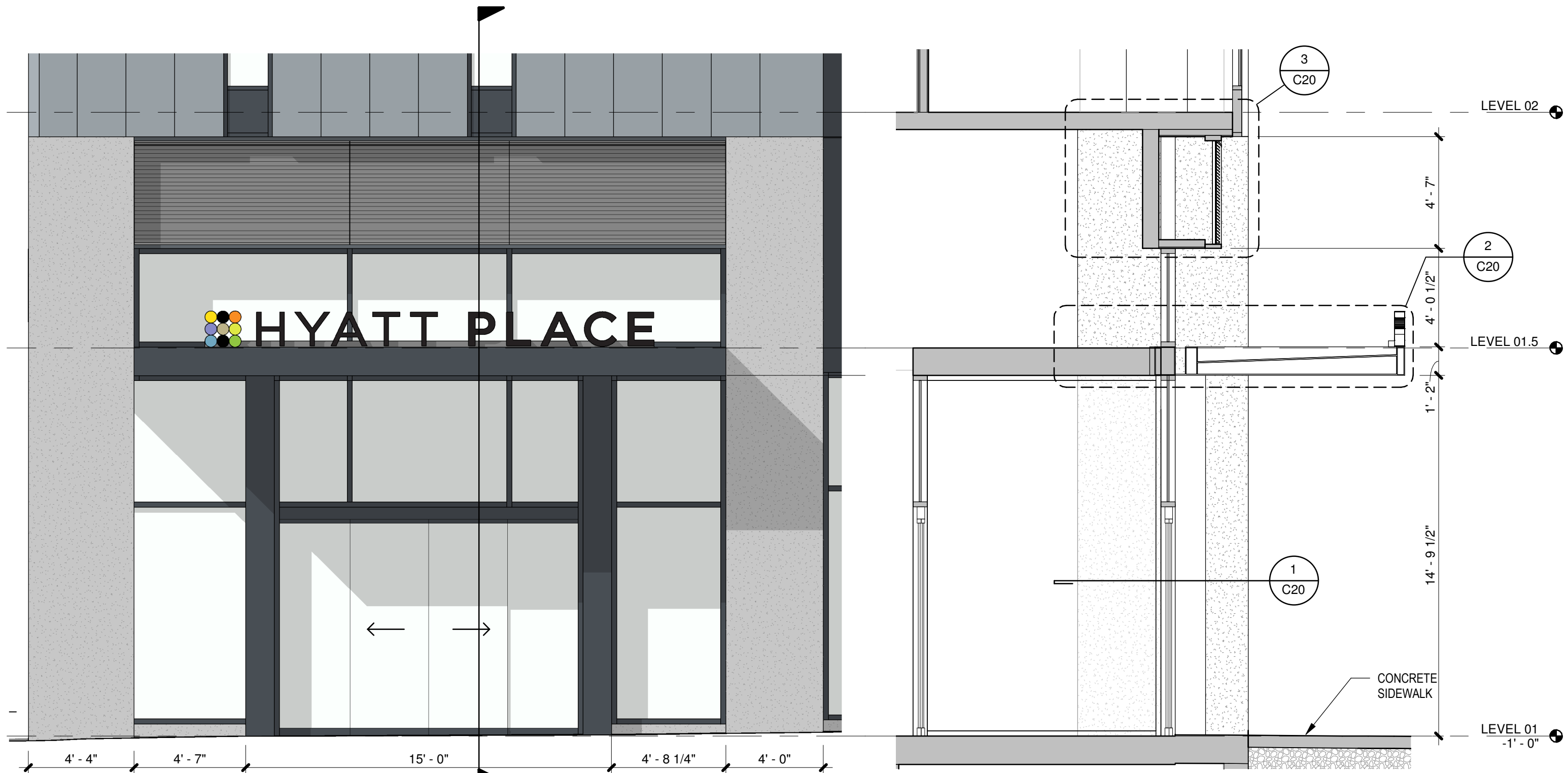
1 CONCRETE COLUMN @ STOREFRONT - PLAN
3/4" = 1'-0"



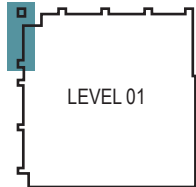
3 CONCRETE BEAM & LOUVER @ STOREFRONT - SECTION
3/4" = 1'-0"



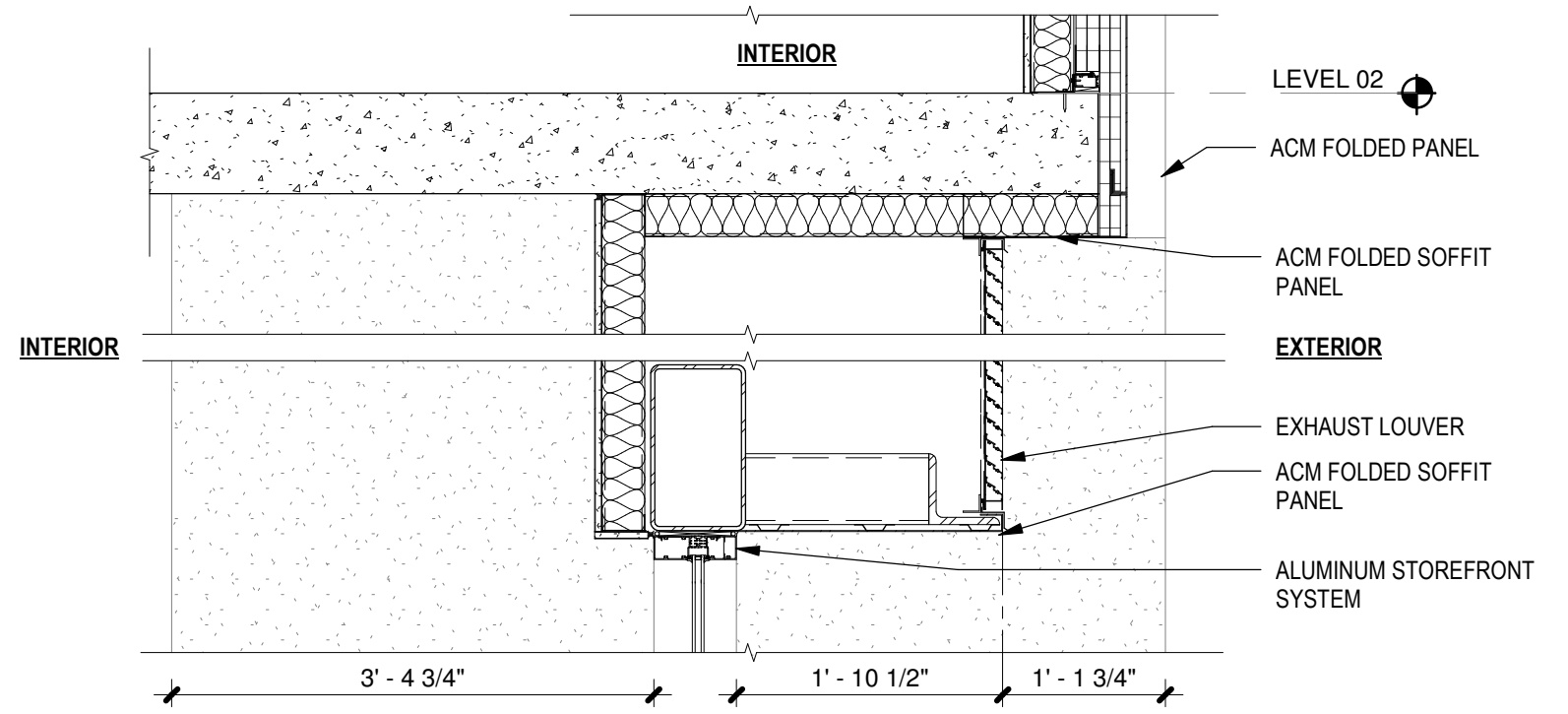
2 CANOPY @ STOREFRONT - SECTION
3/4" = 1'-0"



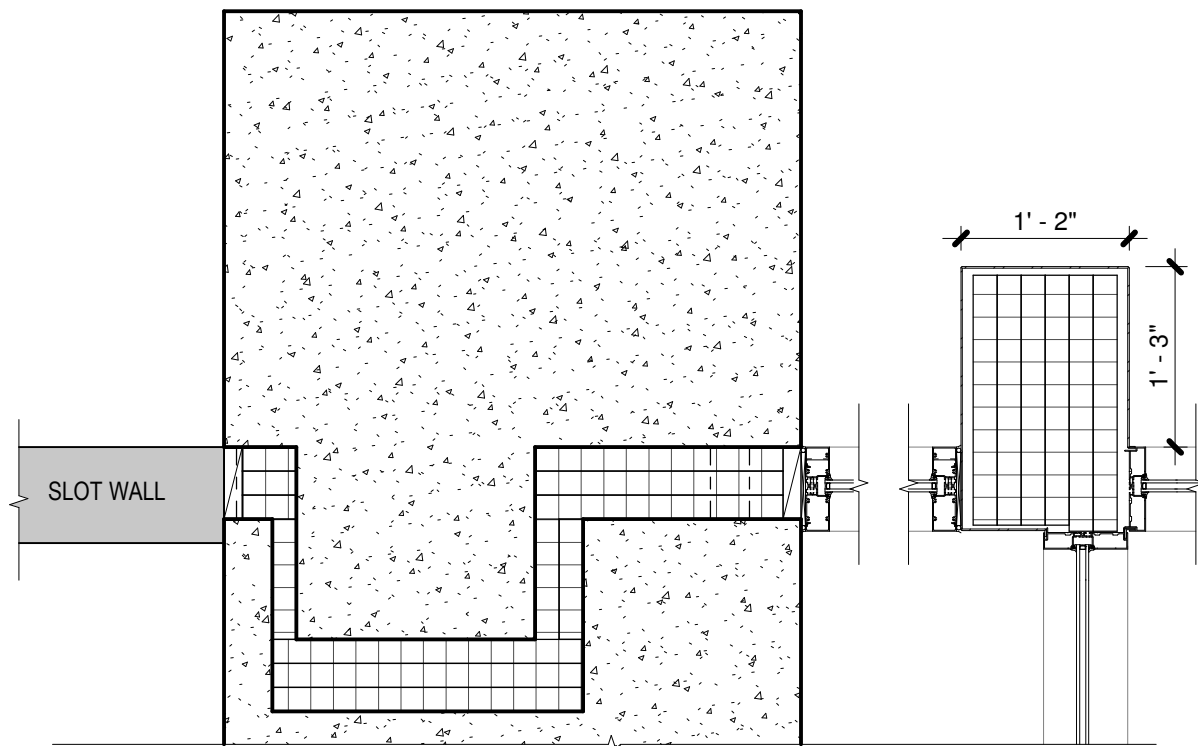
1 ENLARGED WEST ELEVATION - HOTEL ENTRY
1/4" = 1'-0"



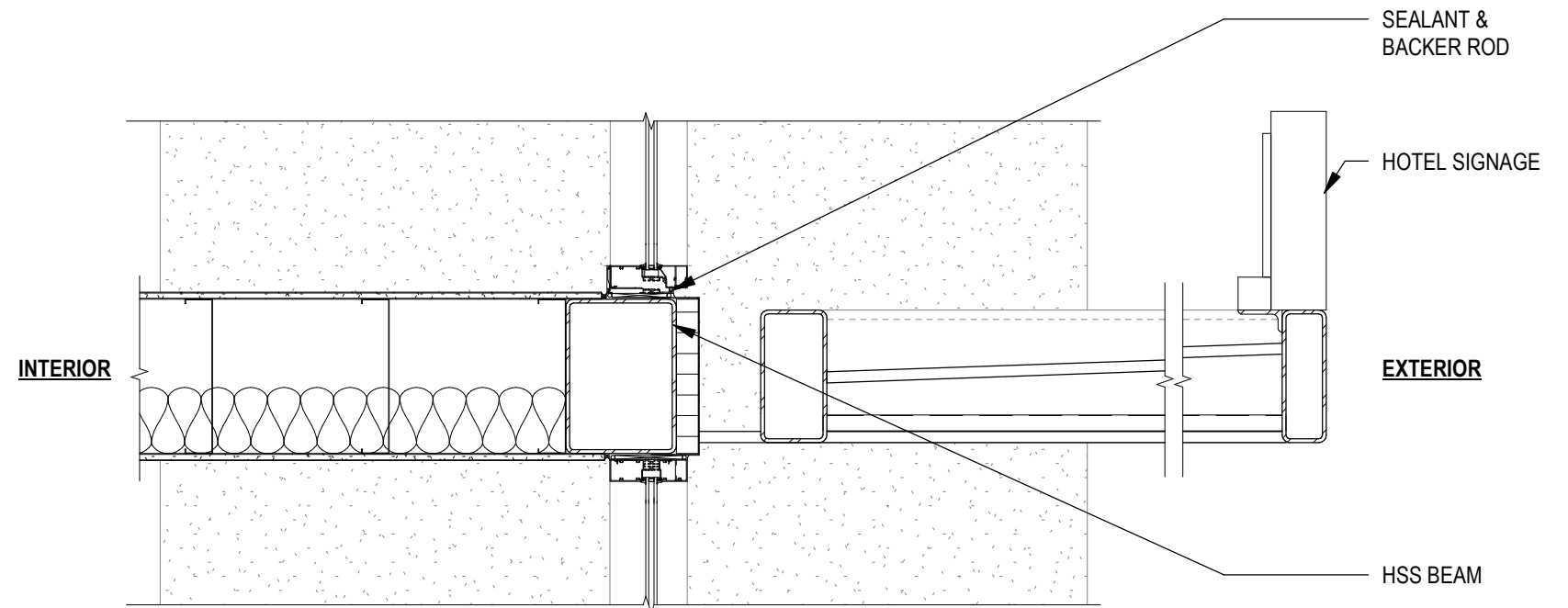
2 HOTEL ENTRY - WALL SECTION
1/4" = 1'-0"



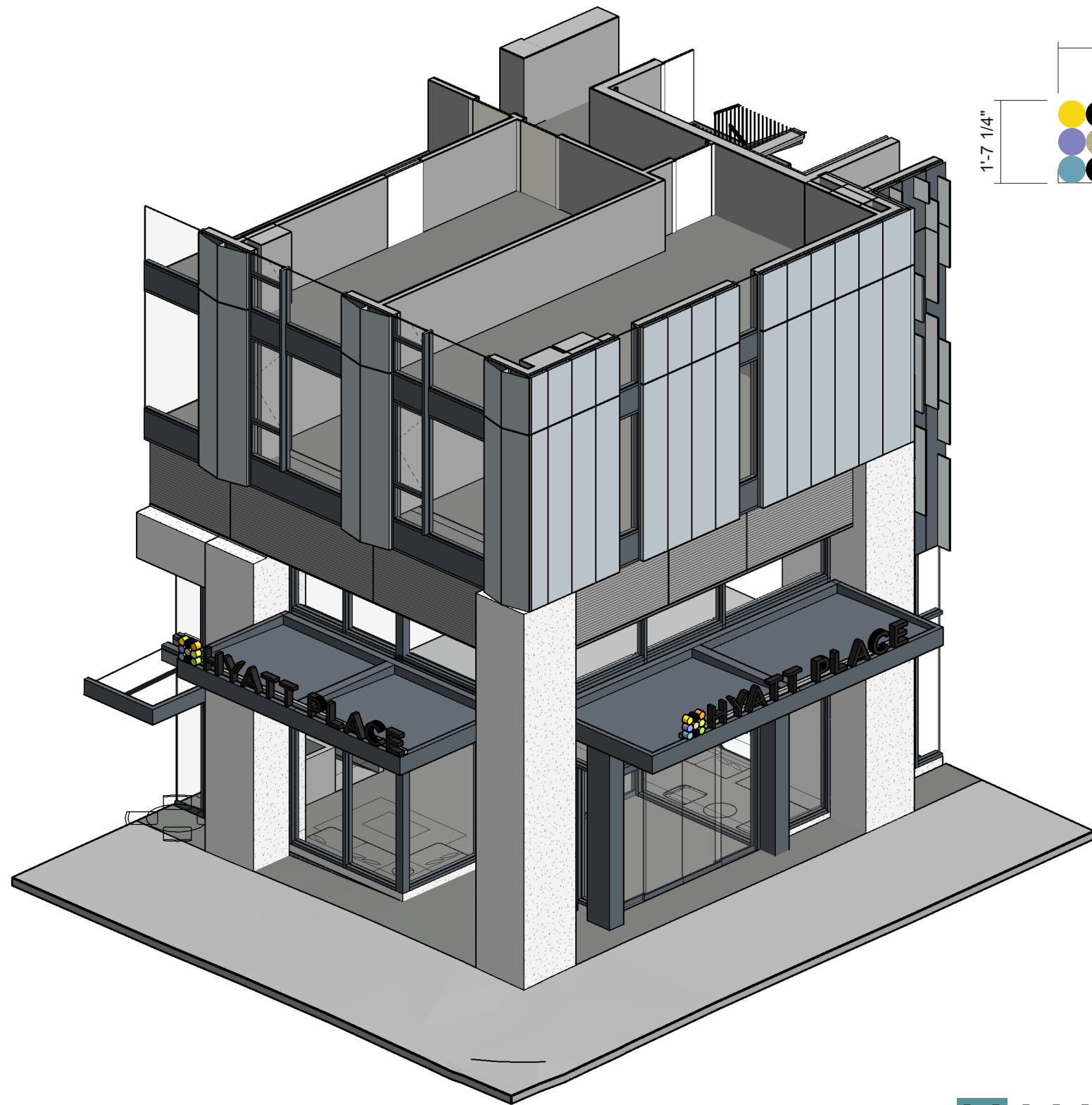
3 LOUVER @ STOREFRONT - SECTION
3/4" = 1'-0"



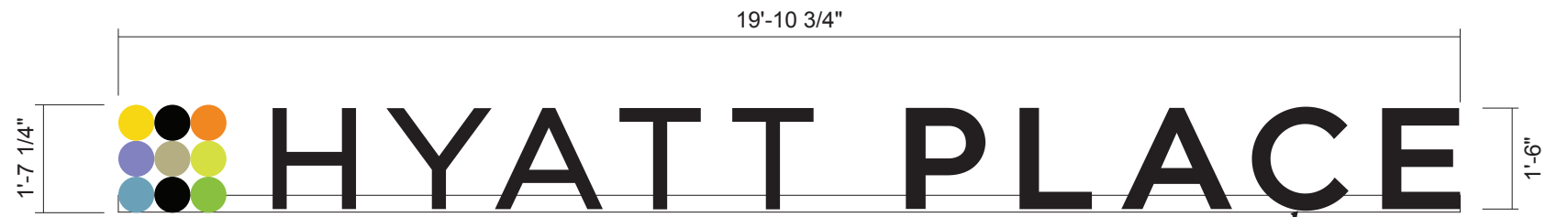
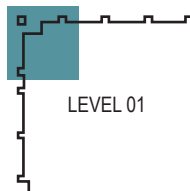
1 SLIDING DOOR @ STOREFRONT - PLAN
3/4" = 1'-0"



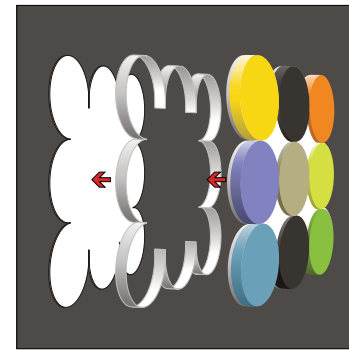
2 CANOPY @ HOTEL ENTRY - SECTION
3/4" = 1'-0"



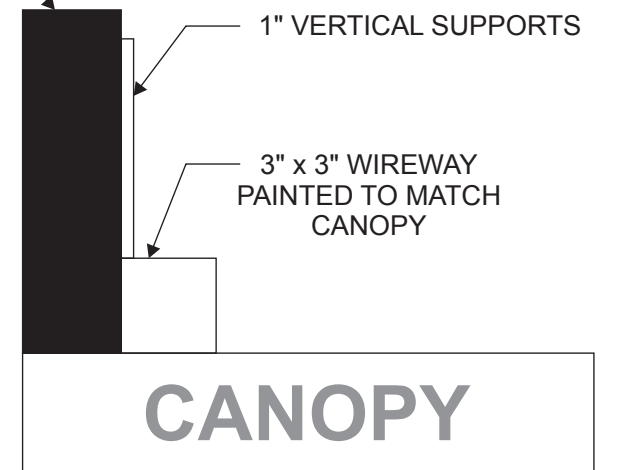
1 HOTEL ENTRY



5" DEEP CHANNEL LETTERS

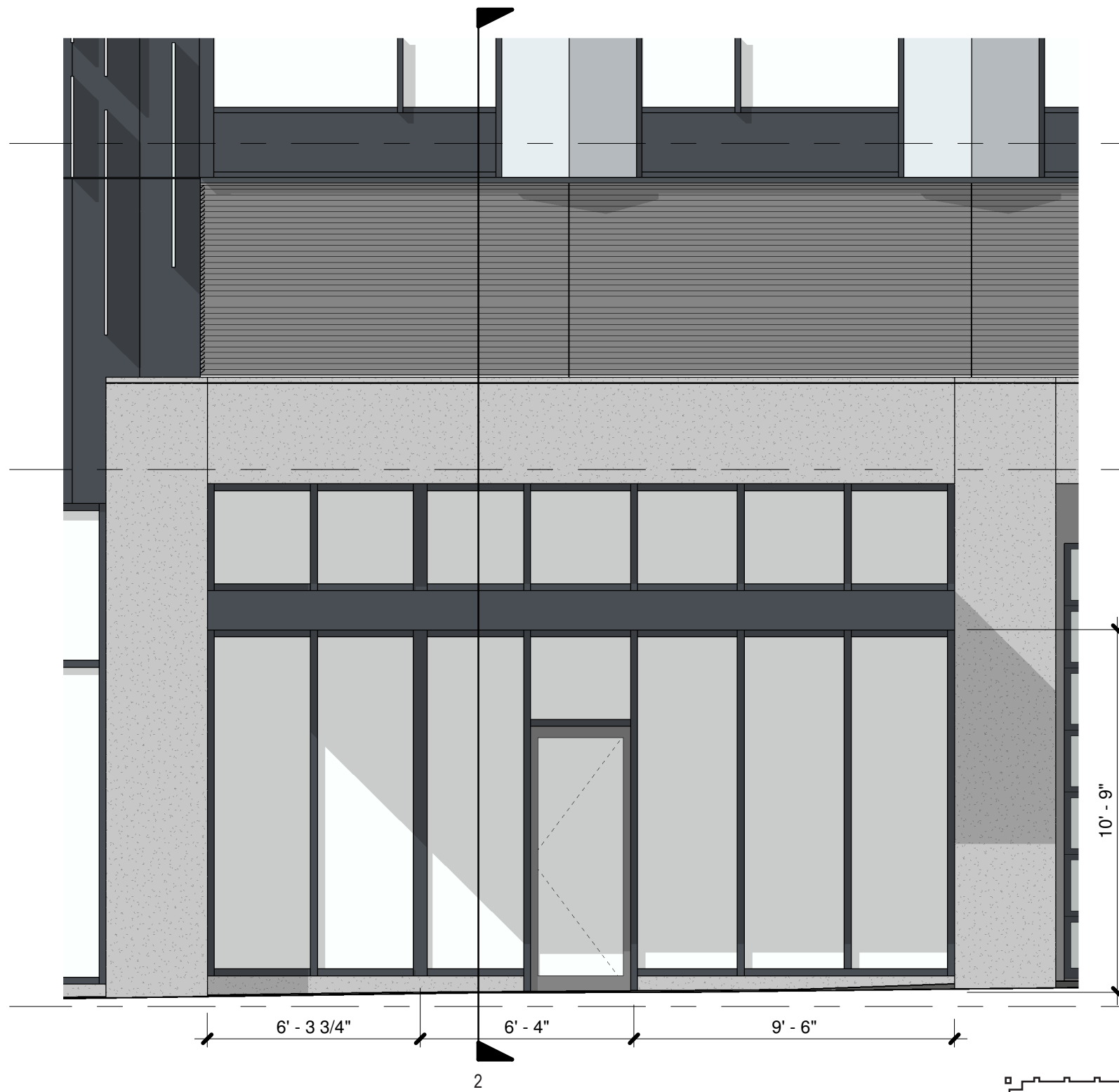


SMALL LOGO (19" to 45")

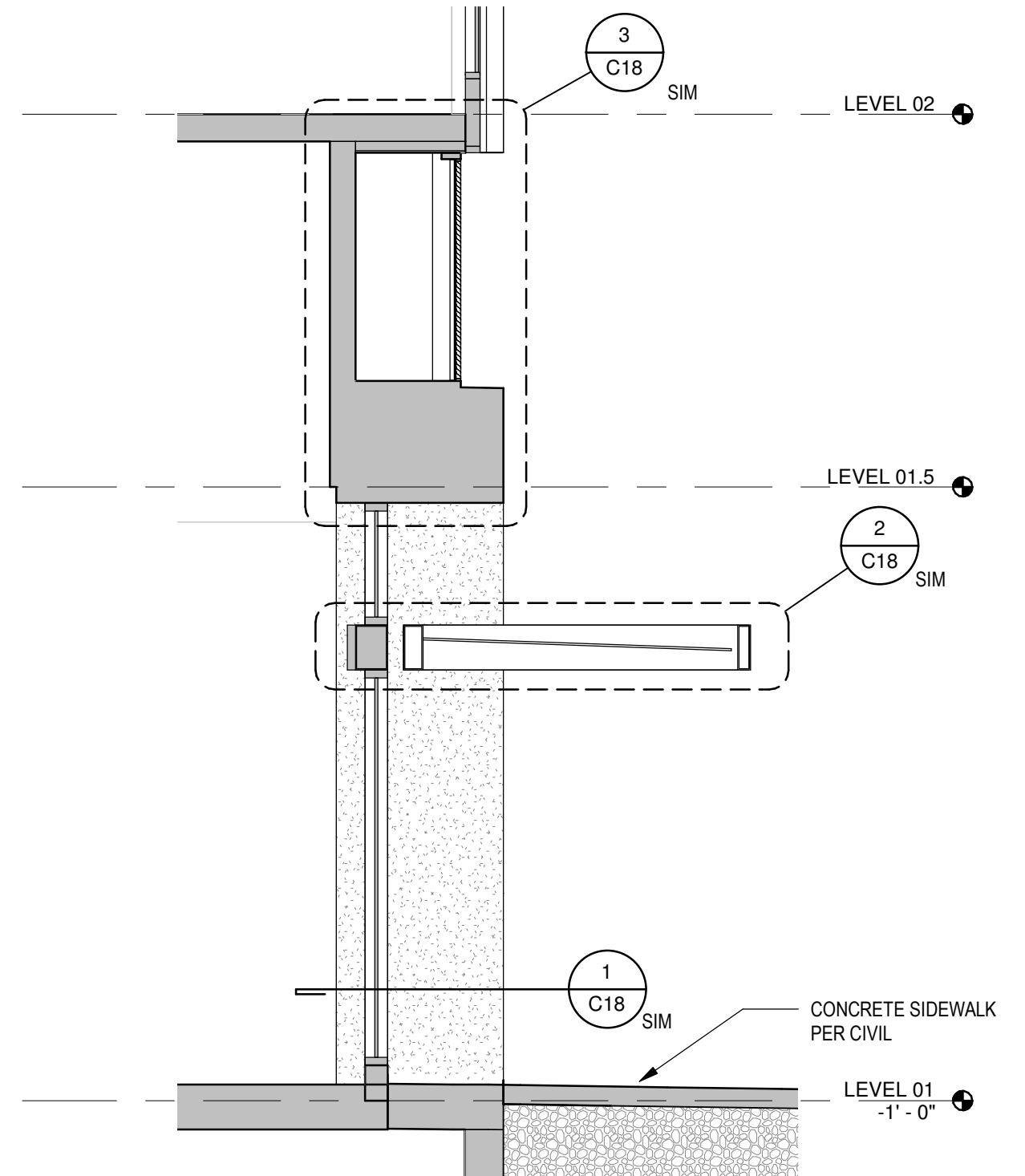
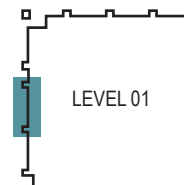


TYPICAL SIDE VIEW

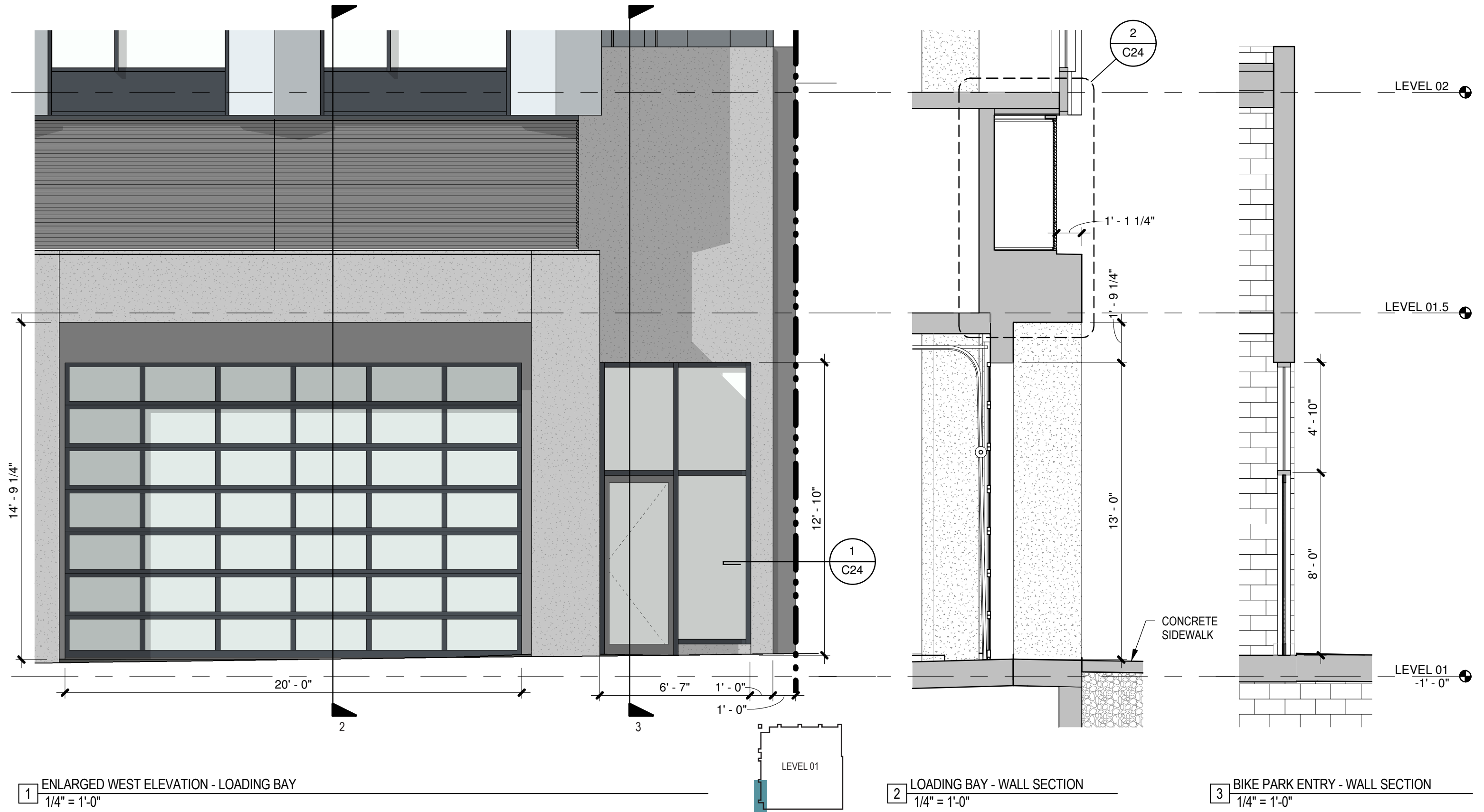
	BLACK : SERIES 2500-22 3M 3630-22		ORANGE : SERIES 2500-84 3M 3630-84
	YELLOW : SERIES 2500-2244A 3M VT-0719		LIME GREEN : SERIES 2100-948
	LAVENDER : SERIES 2500-3148 AVERY A9460-T		SPRING GREEN : SERIES 2500-2498 (3M 3630-156) Light Blue & SERIES 2500-2202 (3M VT-0999) Light Green (1 LAYER OF EACH) LIGHT BLUE ALWAYS APPLIED AS A DIFFUSER FOR THE LOGO
	BLUE : SERIES 2500-2529 3M 3630-147		
	PISTACHIO : SERIES 2500-2157 3M 3630-149		
	ARLON BLACK 1ST SURFACE B/W PERF. VINYL		FILLER: ALUMINUM ANODIZED SATIN FINISH



1 ENLARGED WEST ELEVATION - RESIDENTIAL ENTRY
1/4" = 1'-0"



2 RESIDENTIAL ENTRY - WALL SECTION
1/4" = 1'-0"

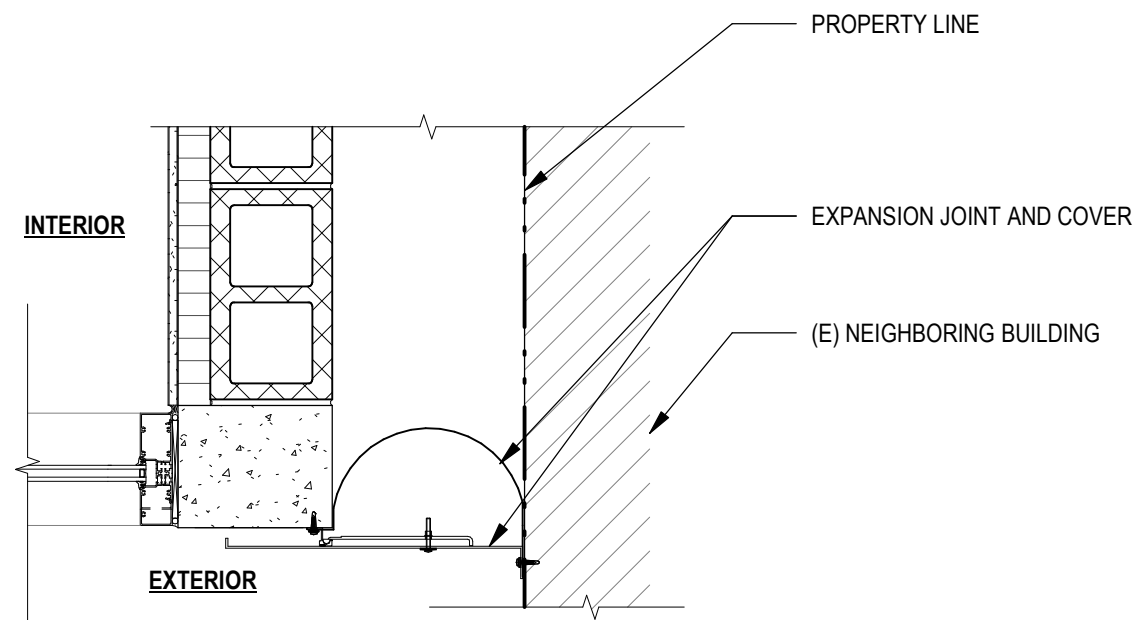


HYATT PLACE | TYPE III DESIGN REVIEW | ENLARGED ELEVATIONS/SECTIONS - LOADING + BIKE

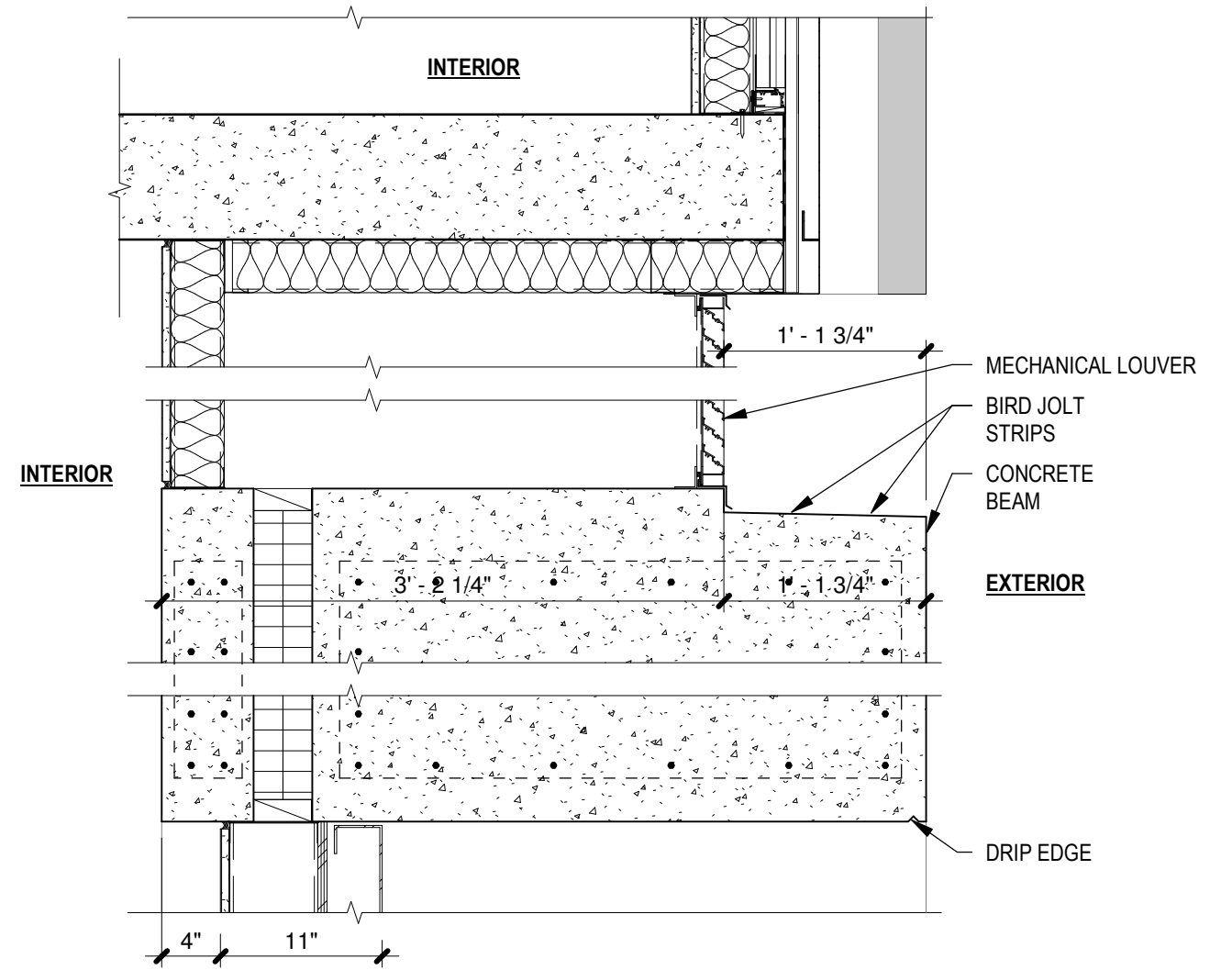
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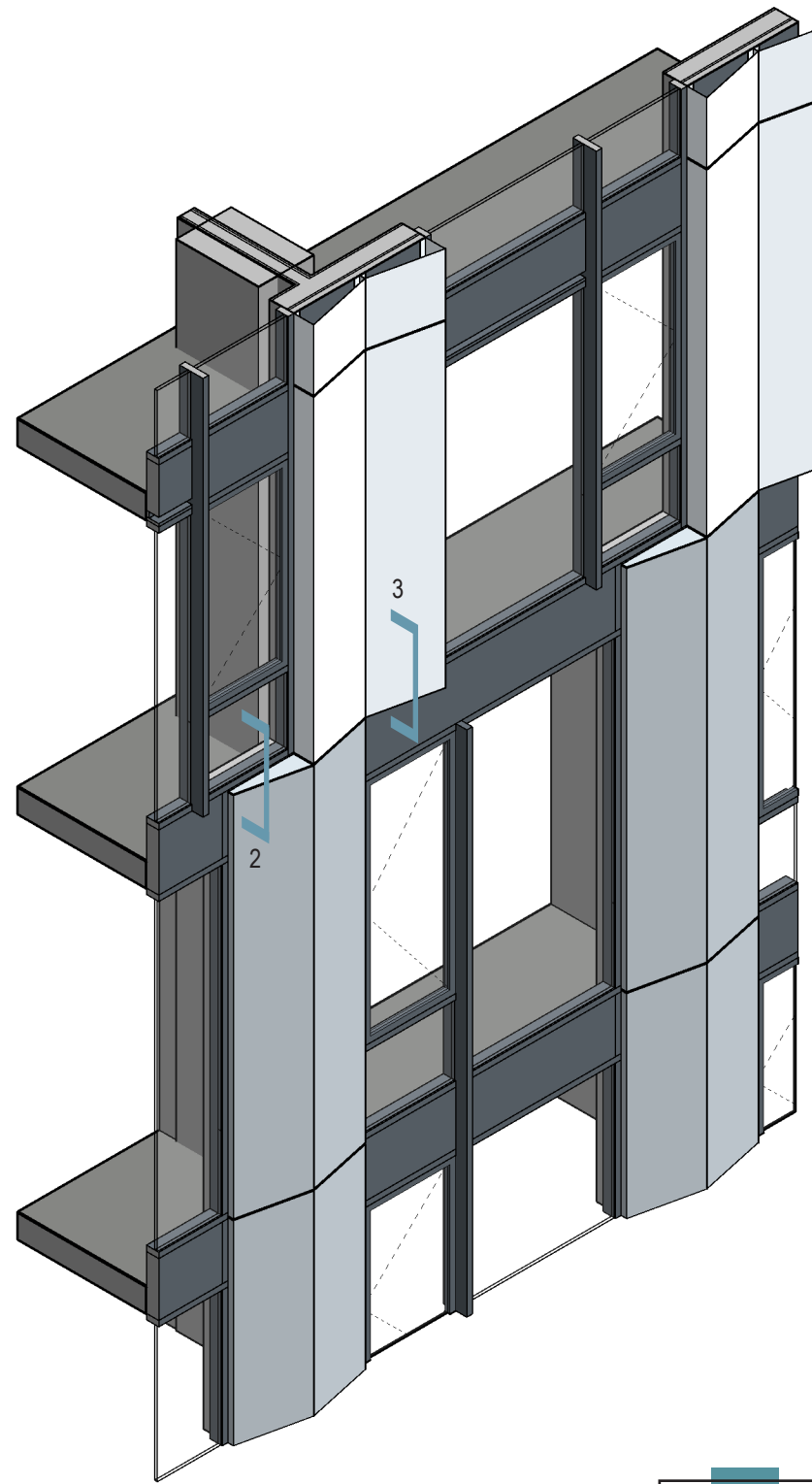
C.23



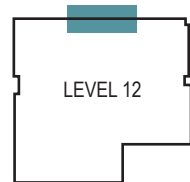
1 EXTERIOR WALL @ SW CORNER - PLAN
1" = 1'-0"



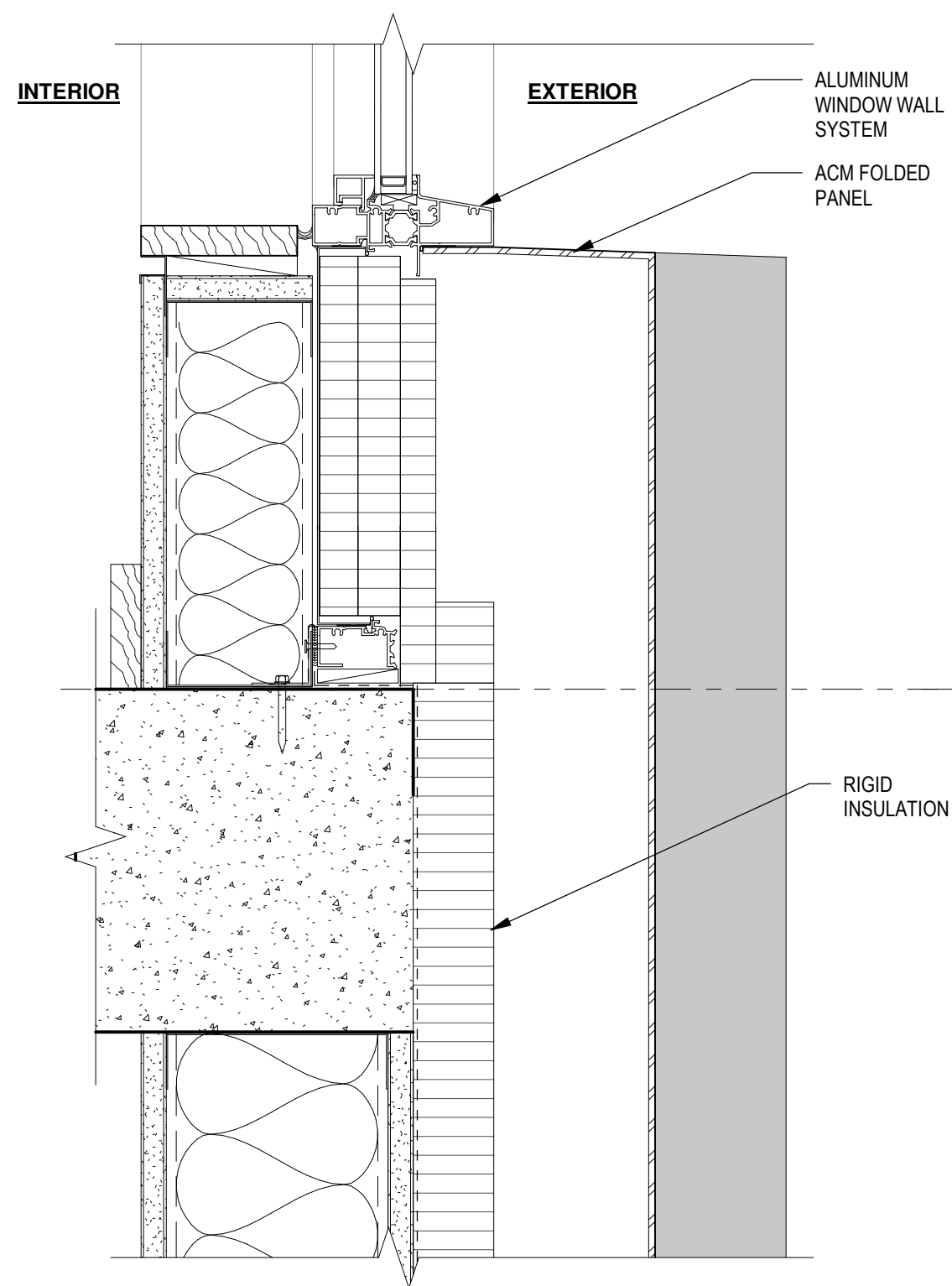
2 CONCRETE BEAM & LOUVER @ STOREFRONT - SECTION
1" = 1'-0"



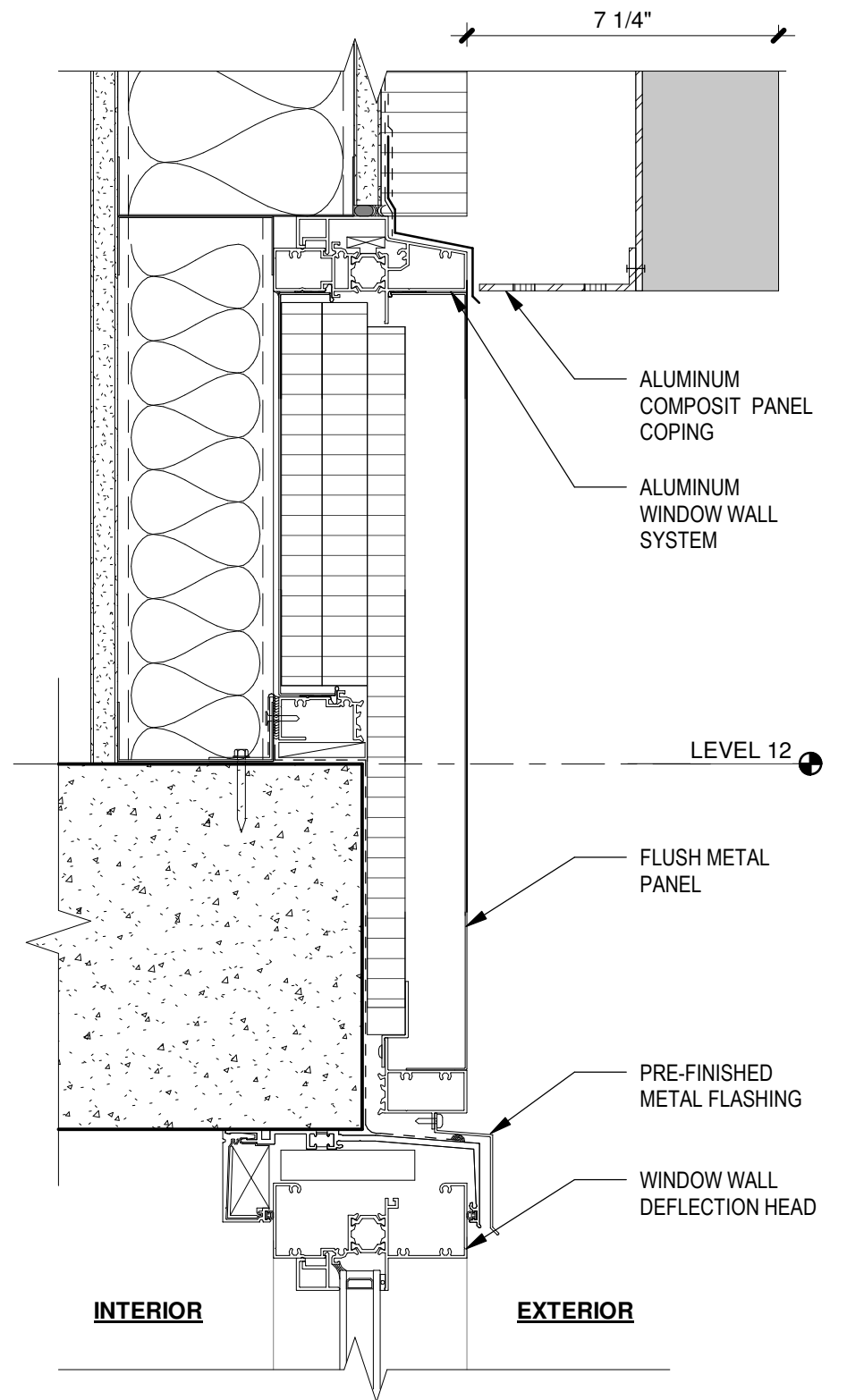
1 WINDOW WALL @ FACADE SHIFT



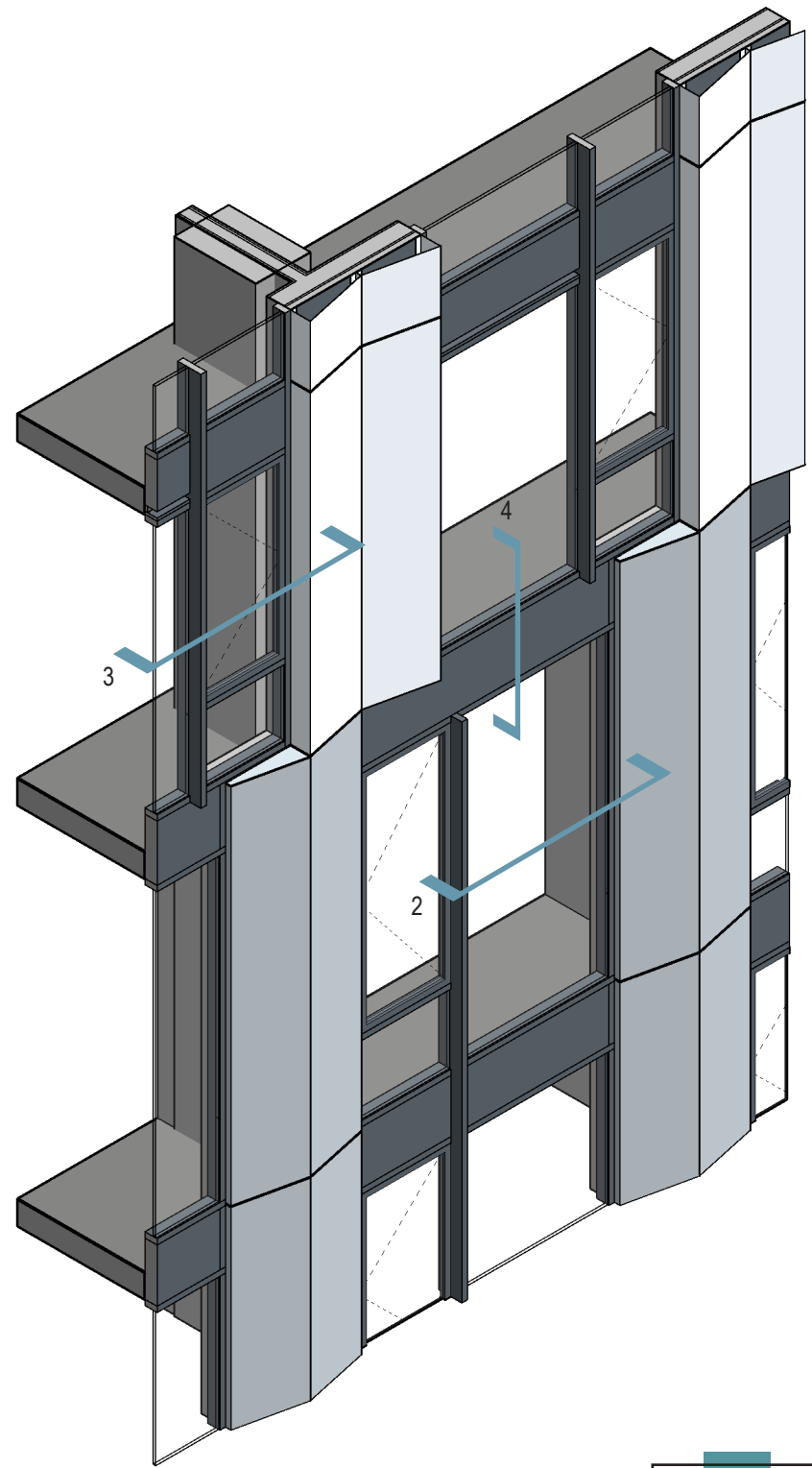
LEVEL 12



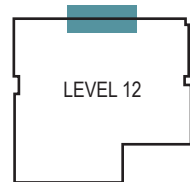
2 FACADE @ WINDOW SILL - SECTION
3" = 1'-0"



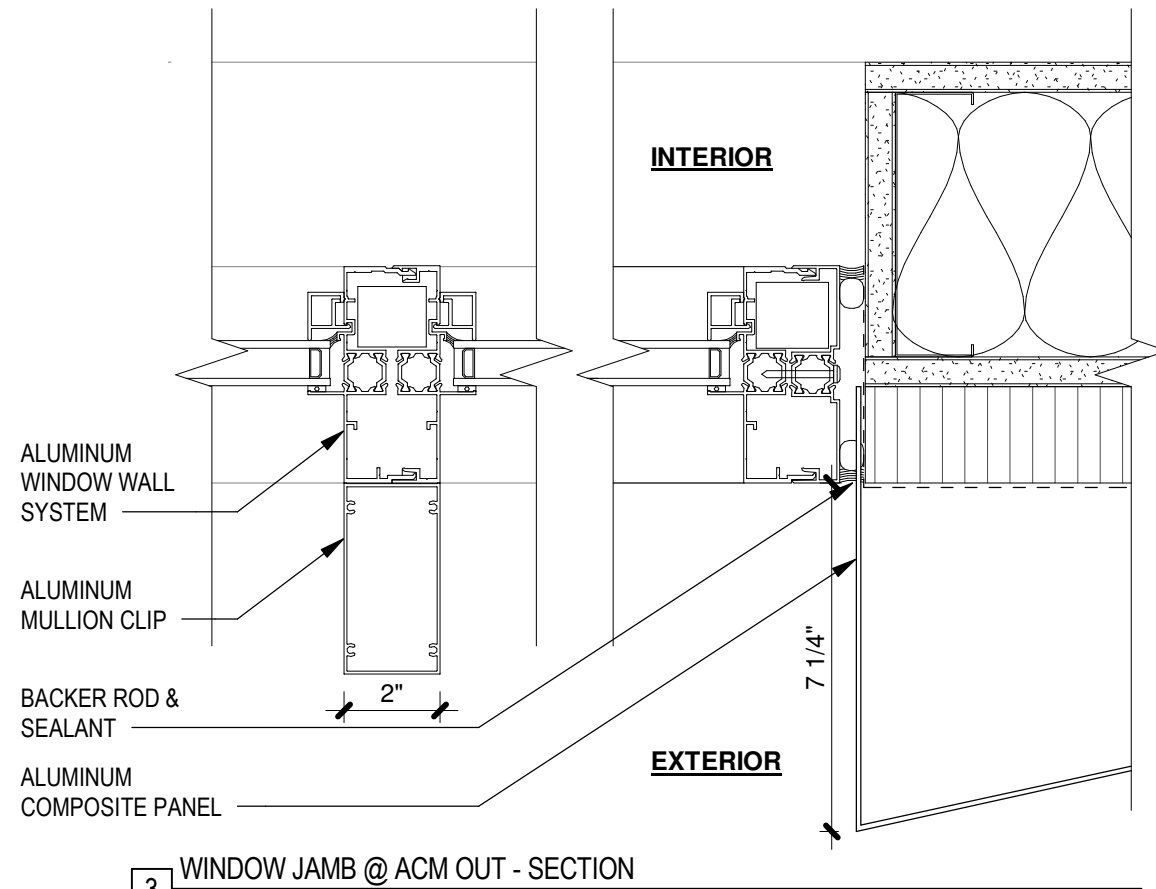
3 FACADE @ WINDOW HEAD - SECTION
3" = 1'-0"



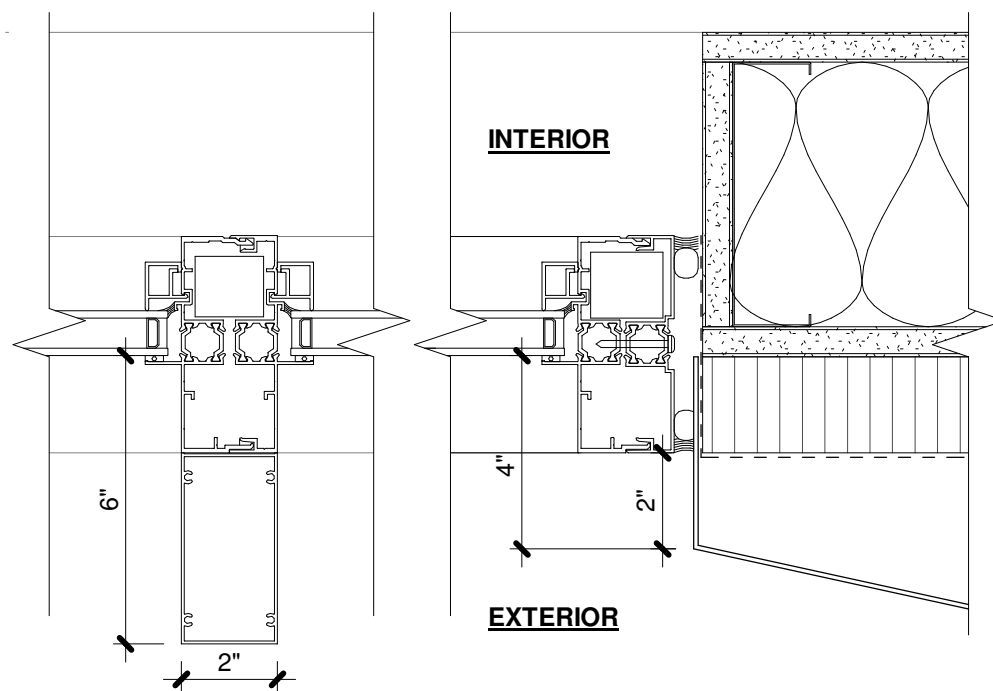
1 WINDOW WALL @ FACADE SHIFT



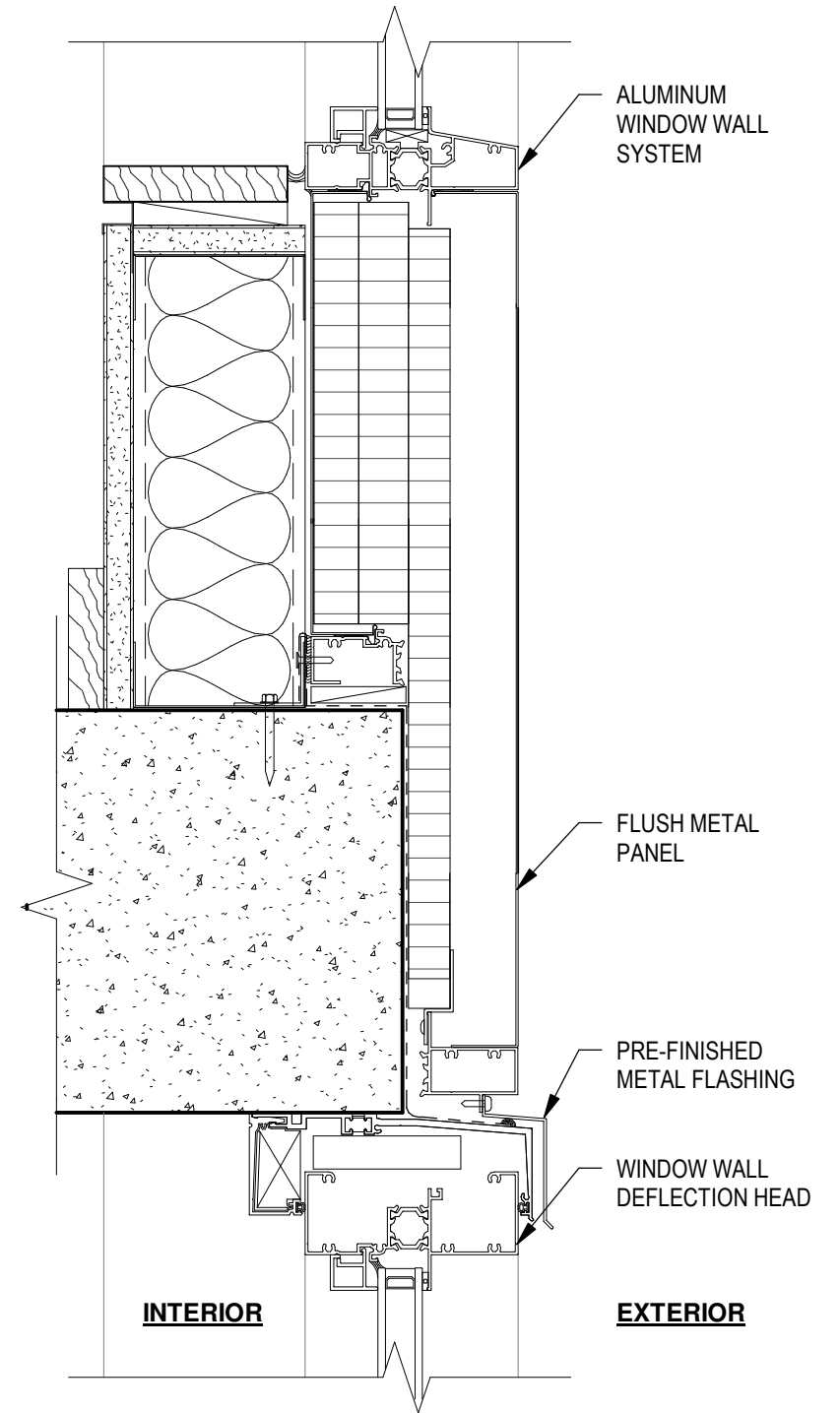
LEVEL 12



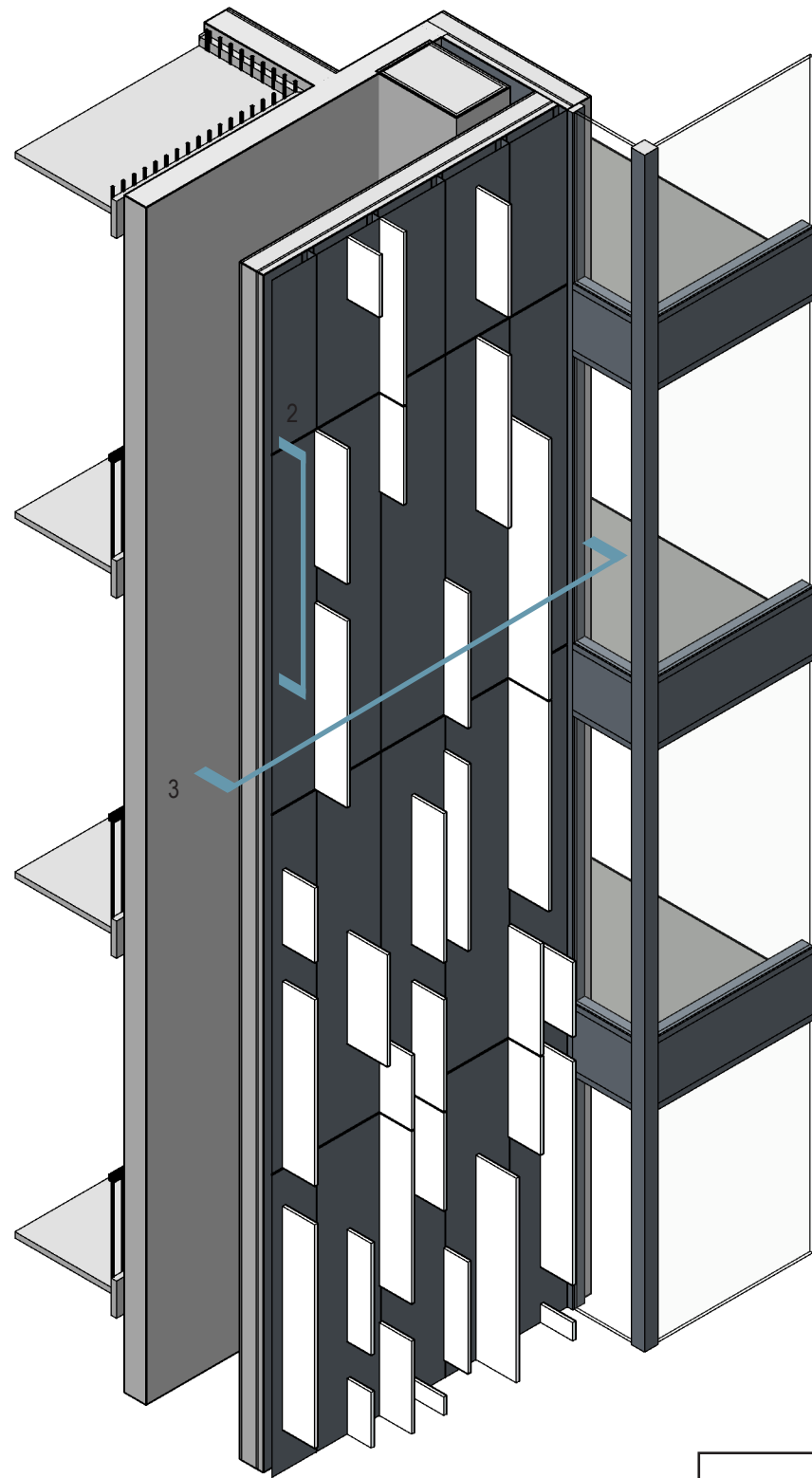
3 WINDOW JAMB @ ACM OUT - SECTION
3" = 1'-0"



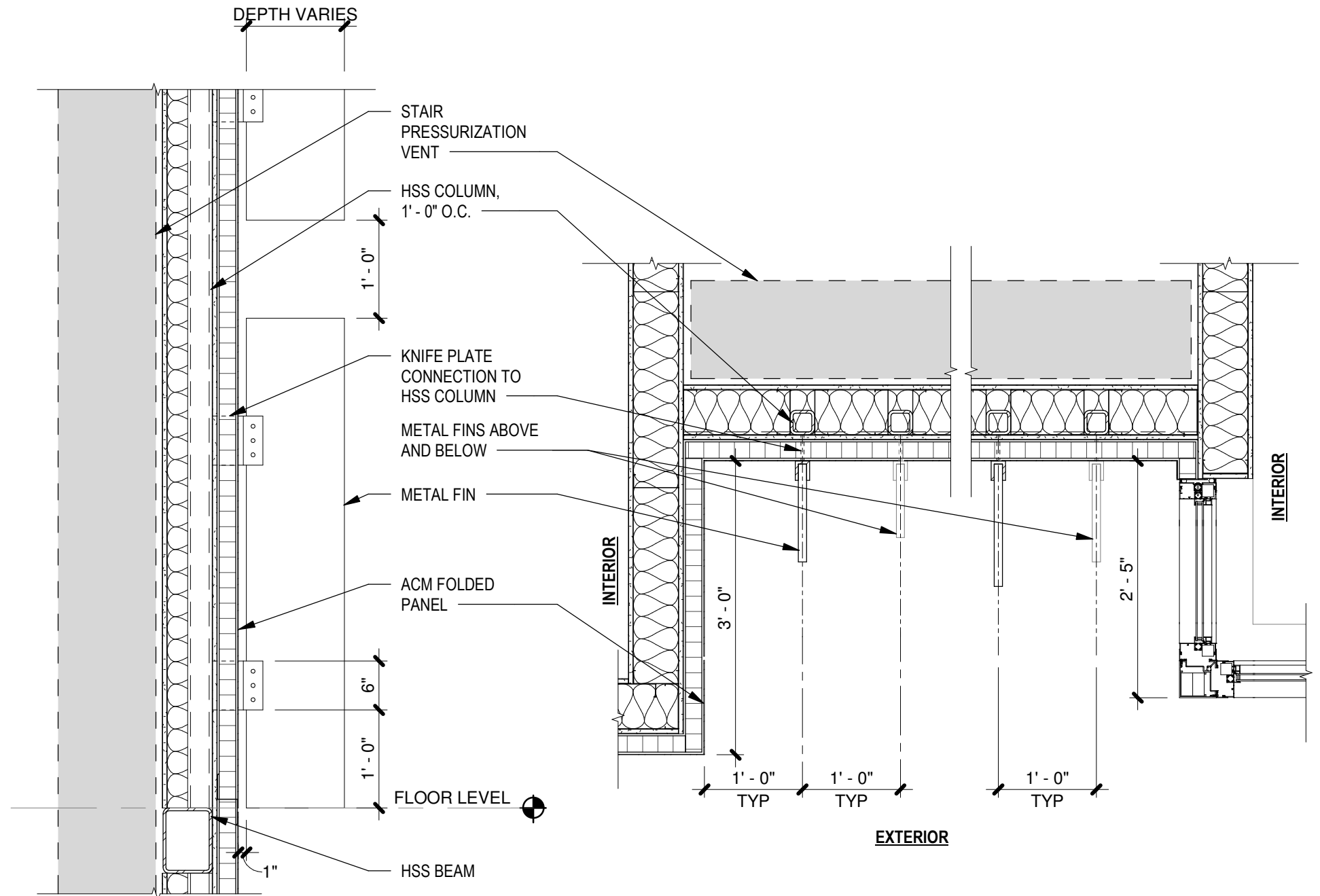
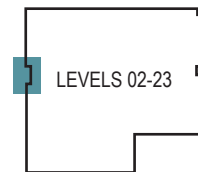
2 WINDOW JAMB @ ACM IN - SECTION
3" = 1'-0"



4 FACADE @ WINDOW HEAD & SILL - SECTION
3" = 1'-0"

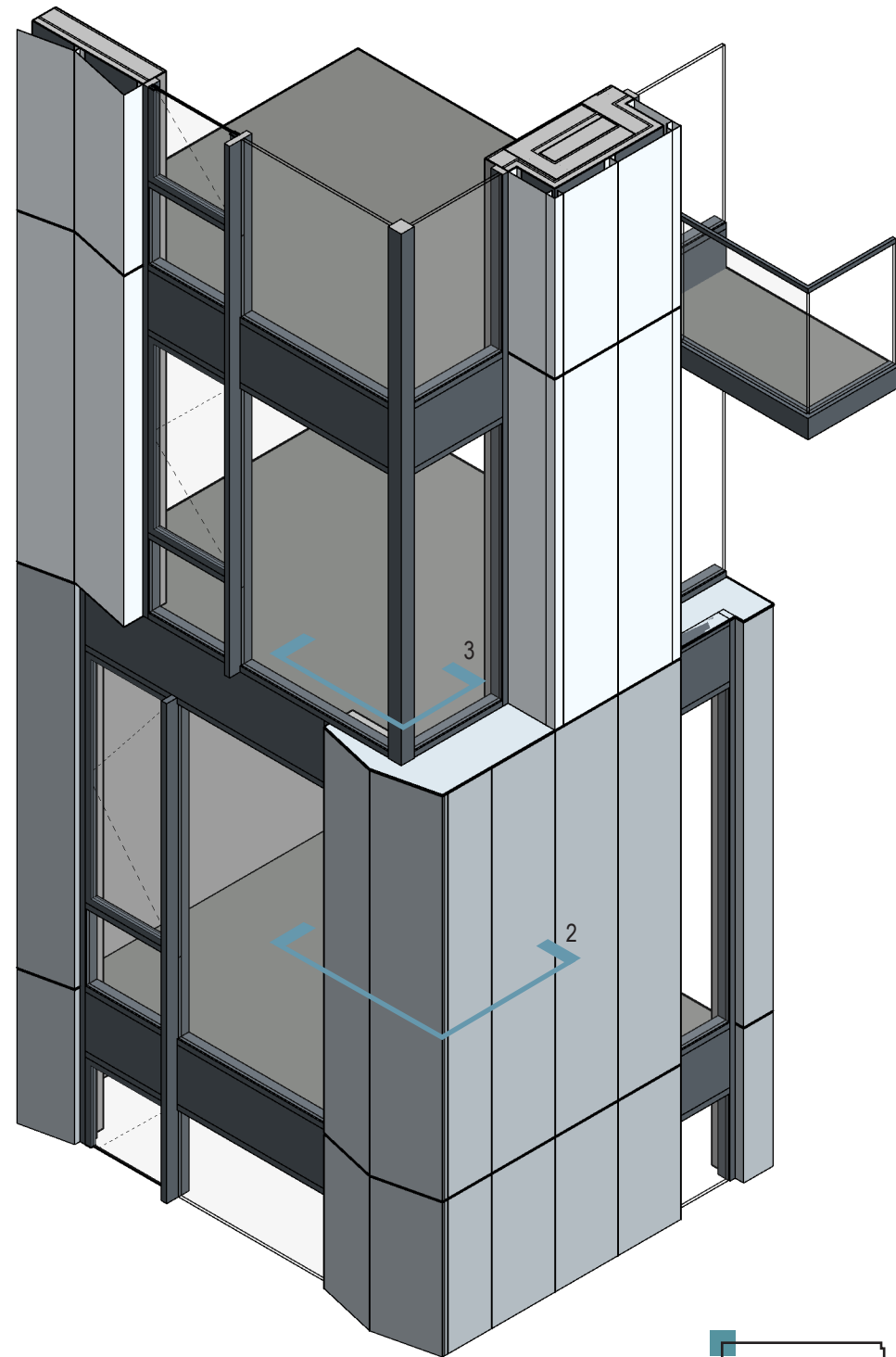


1 INSET SLOT @ WEST FACADE

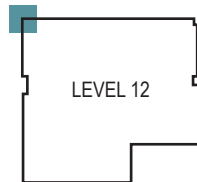


2 INSET SLOT @ FLOOR LEVEL - SECTION
3/4" = 1'-0"

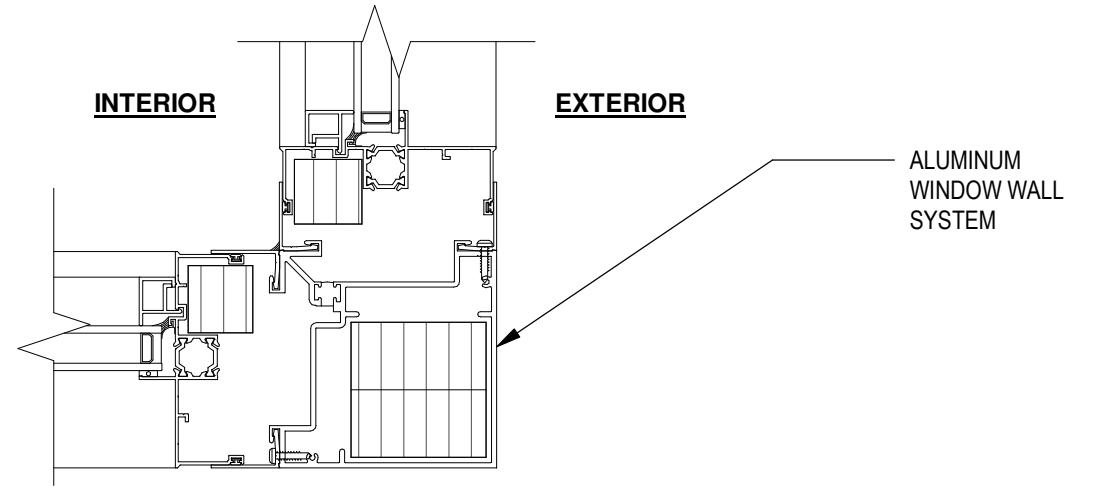
3 INSET SLOT @ FLOOR LEVEL - PLAN
3/4" = 1'-0"



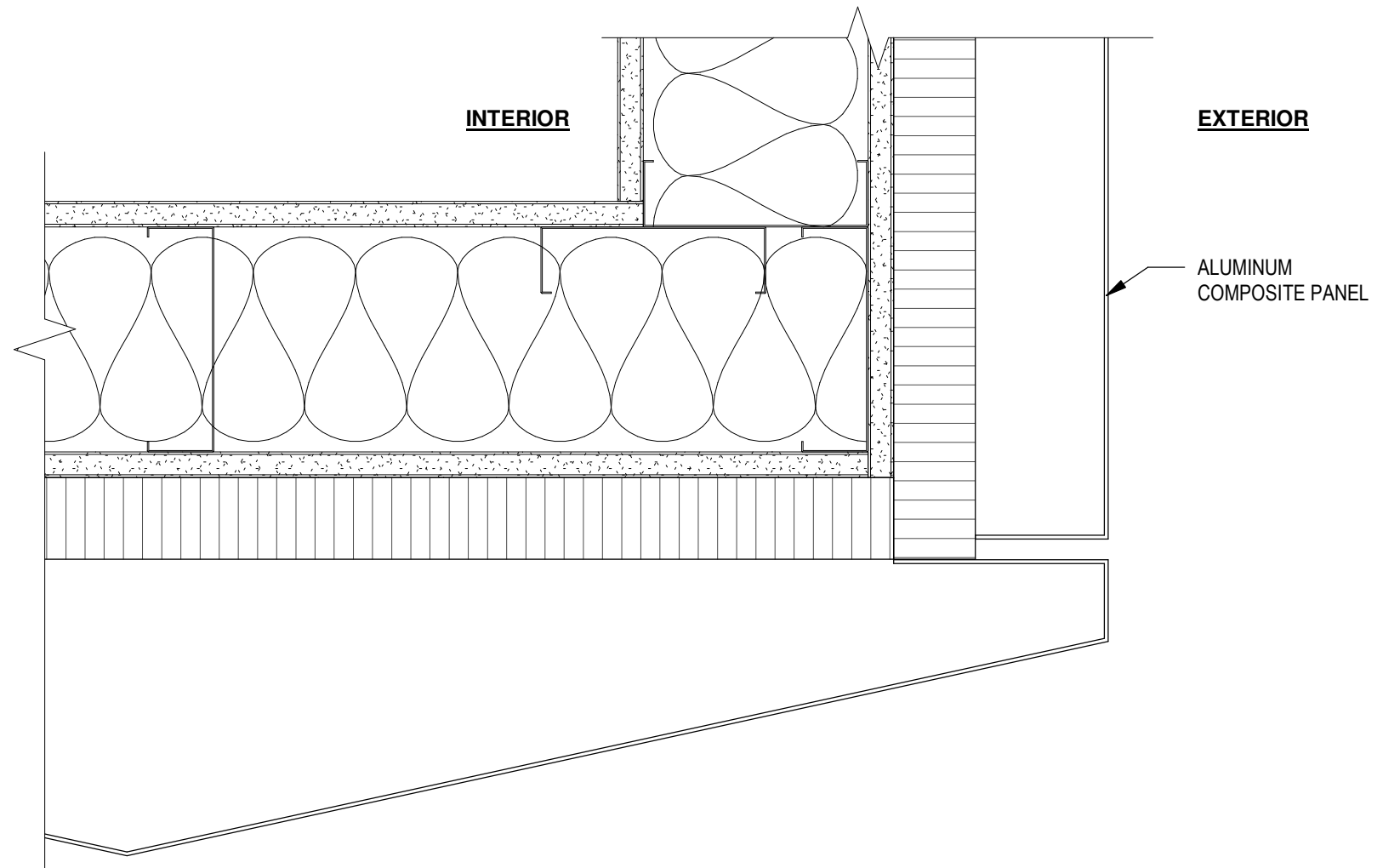
1 METAL PANEL & WINDOW WALL CORNER @ NW



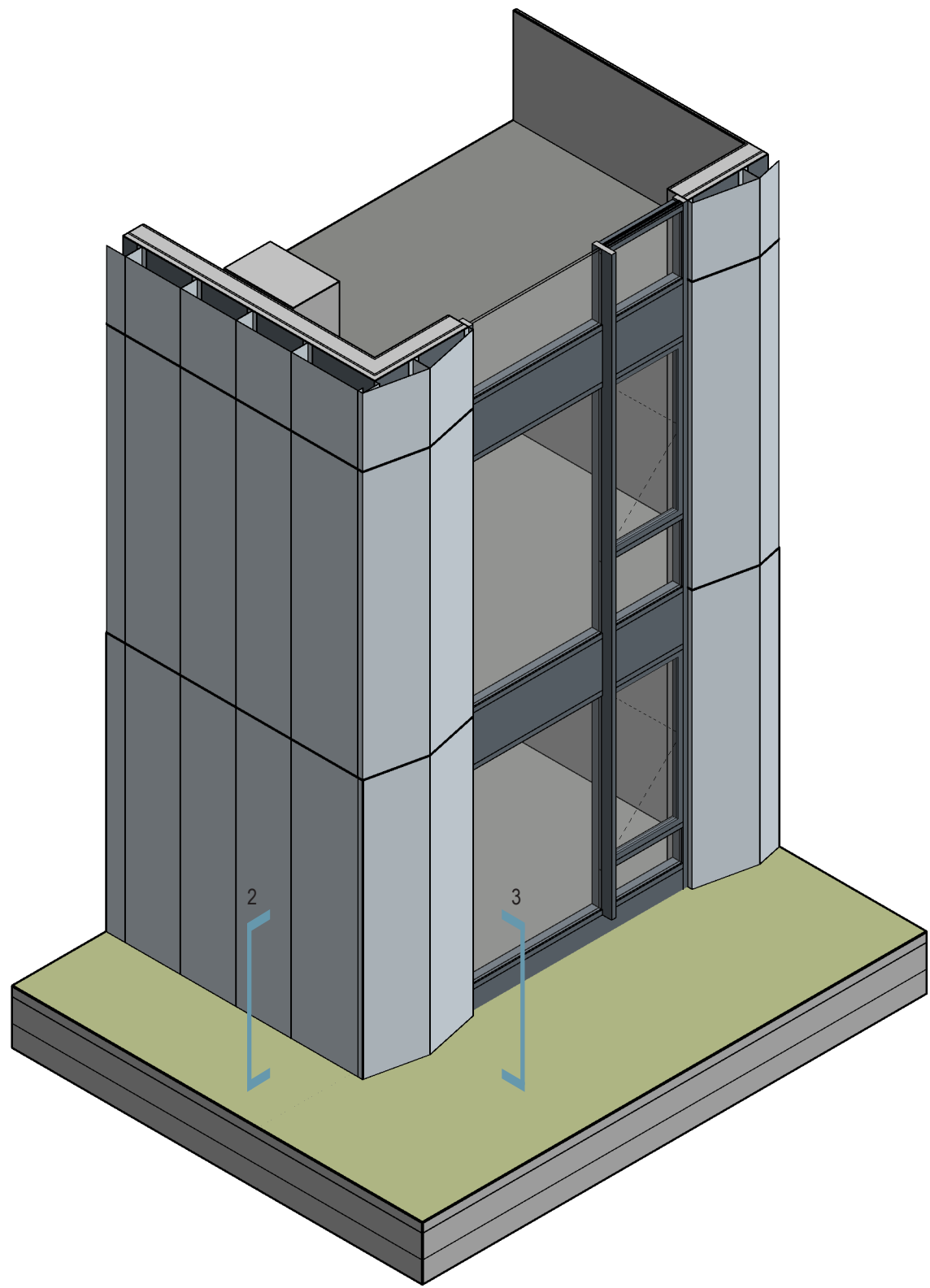
LEVEL 12



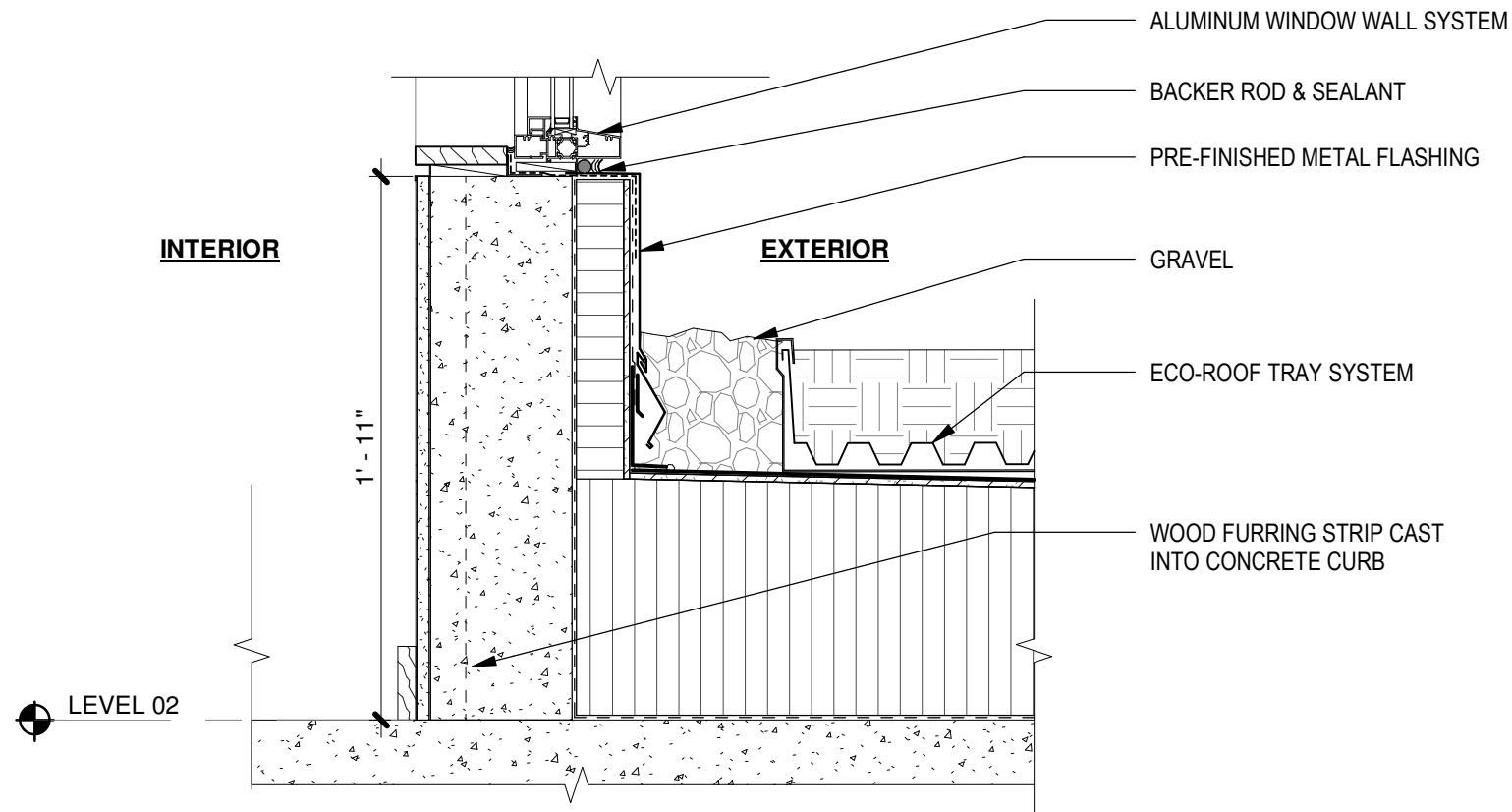
3 WINDOW WALL @ CORNER - PLAN
3" = 1'-0"



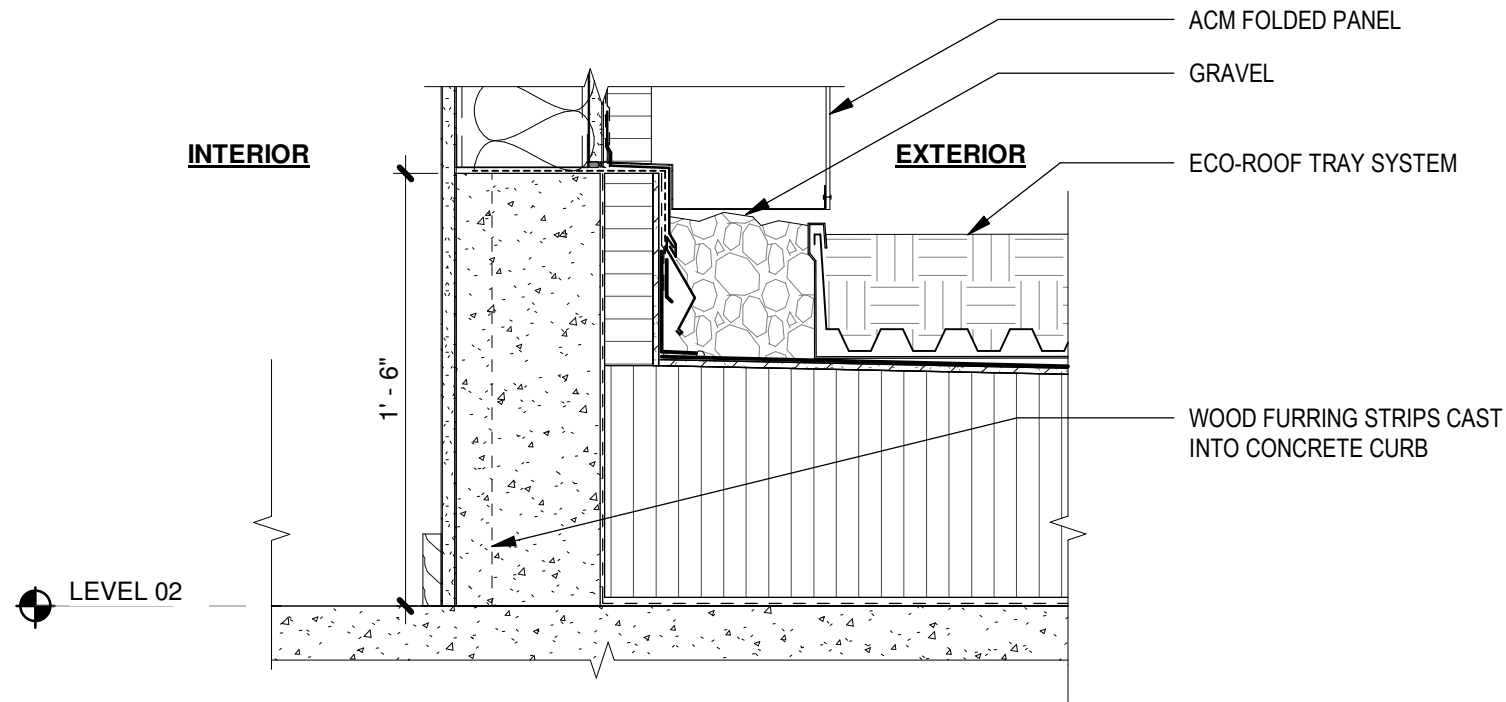
2 METAL PANEL @ CORNER - PLAN
3" = 1'-0"



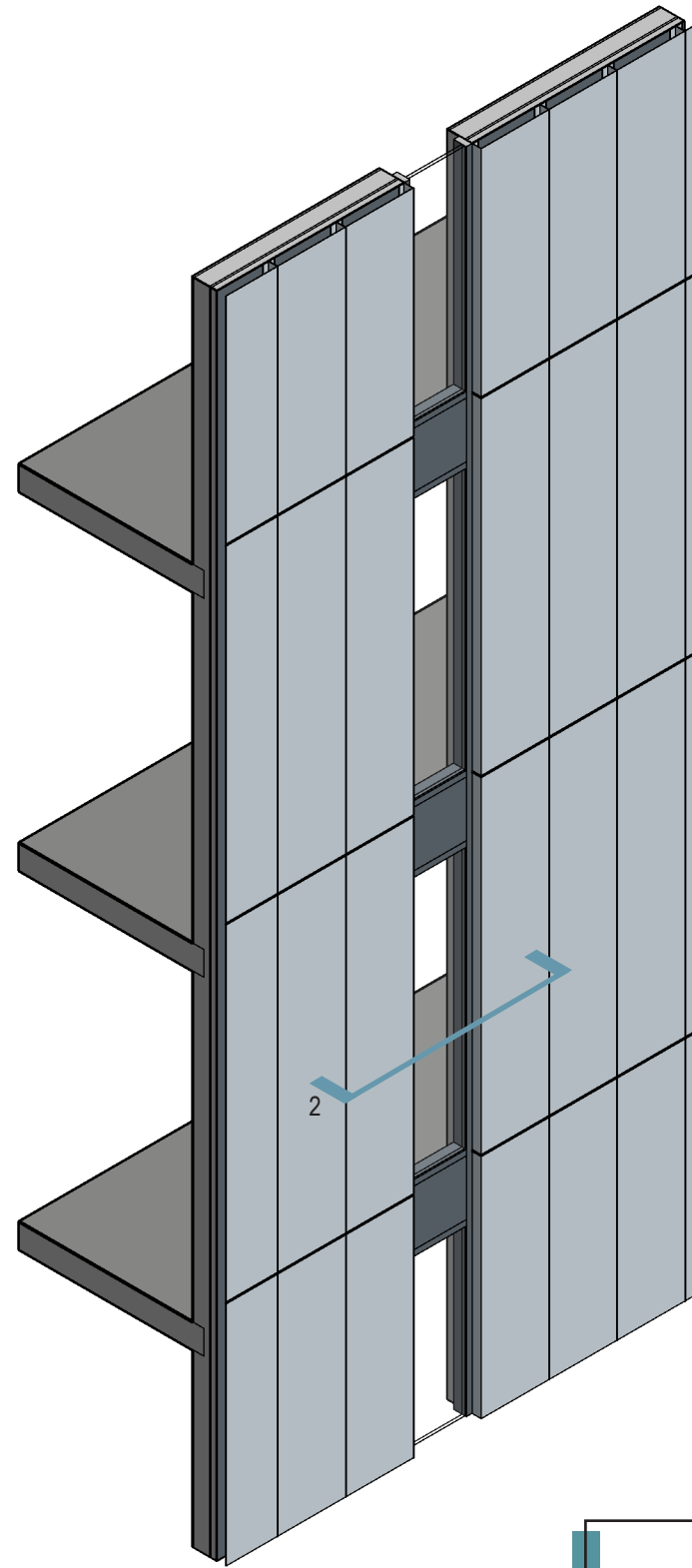
1 GREENROOF @ LEVEL 02



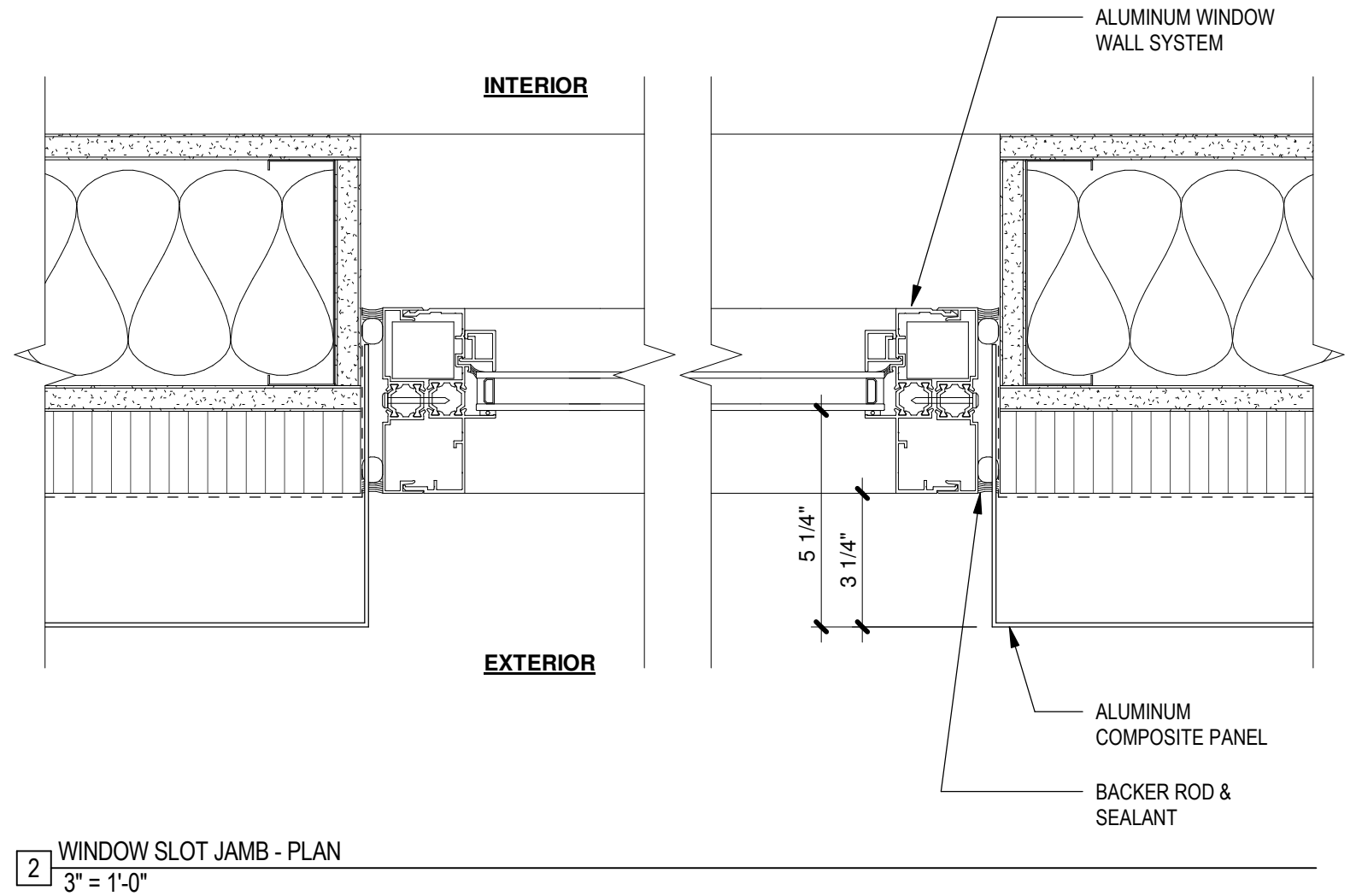
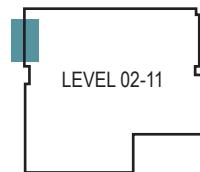
3 WINDOW WALL SILL @ GREEN ROOF - SECTION
1 1/2" = 1'-0"

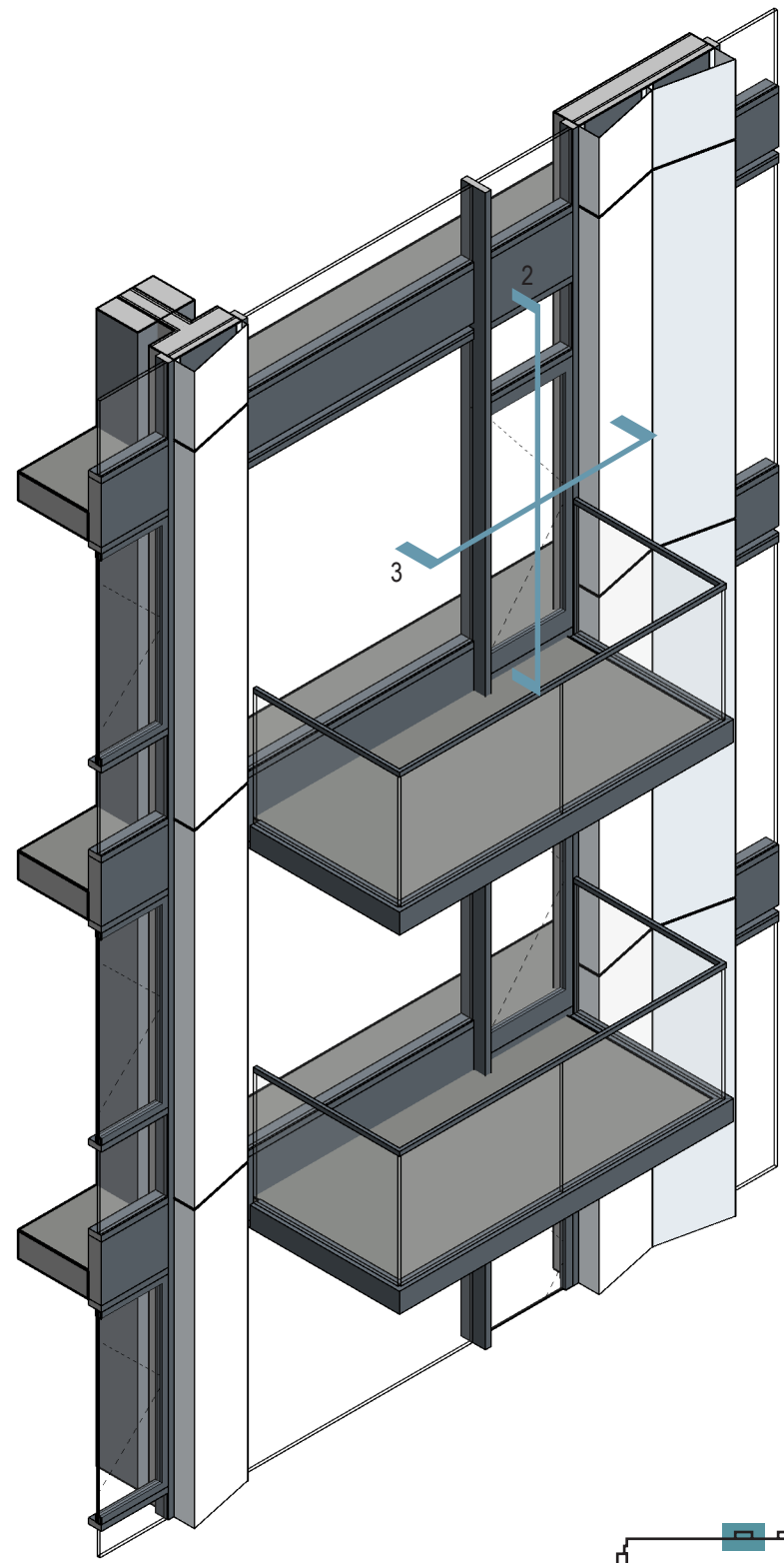


2 METAL PANEL @ GREEN ROOF - SECTION
1 1/2" = 1'-0"

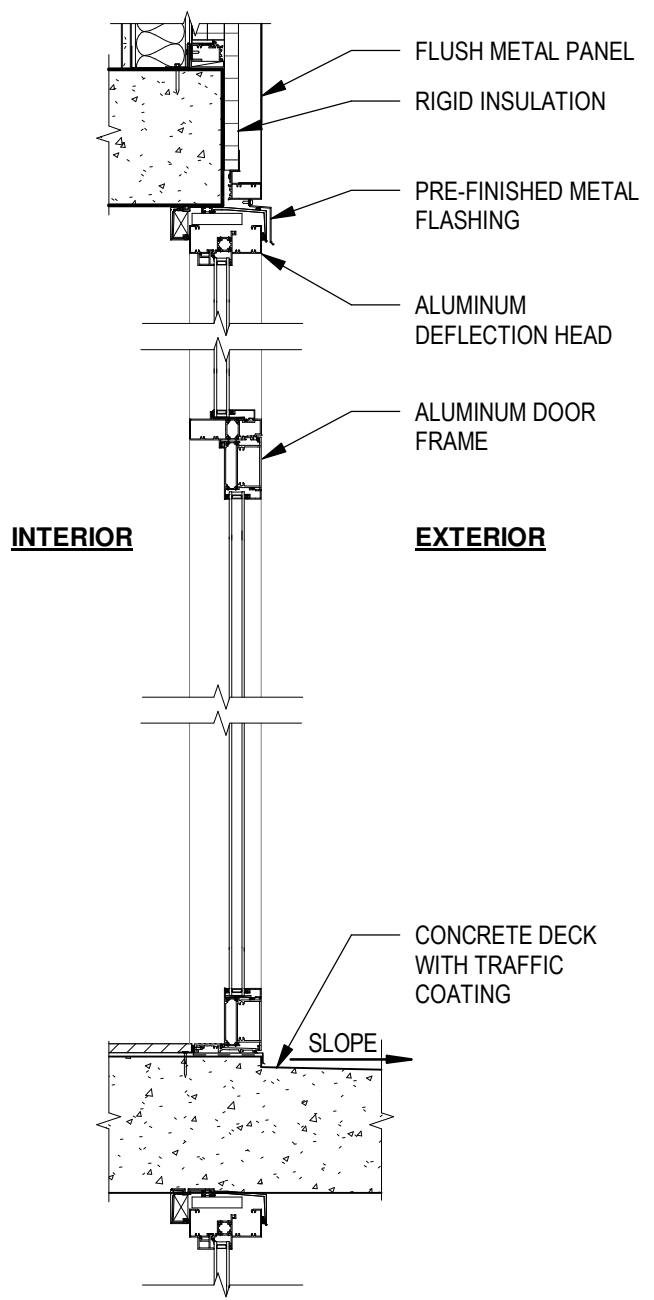


1 WINDOW SLOT

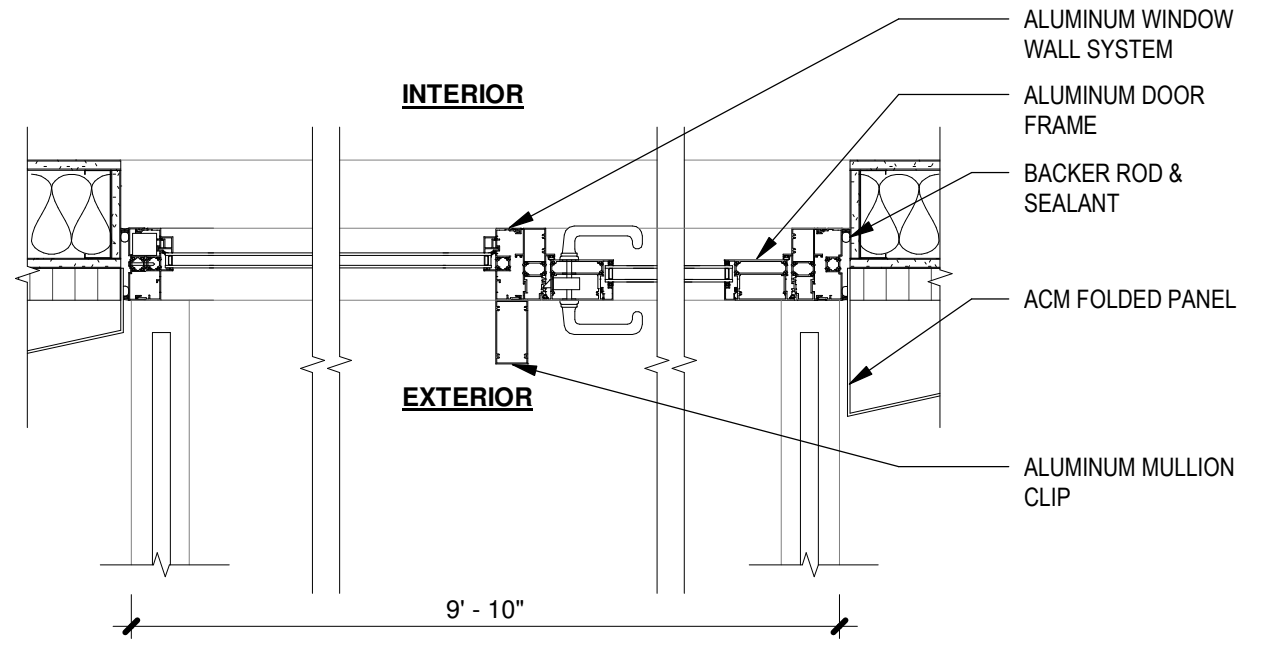




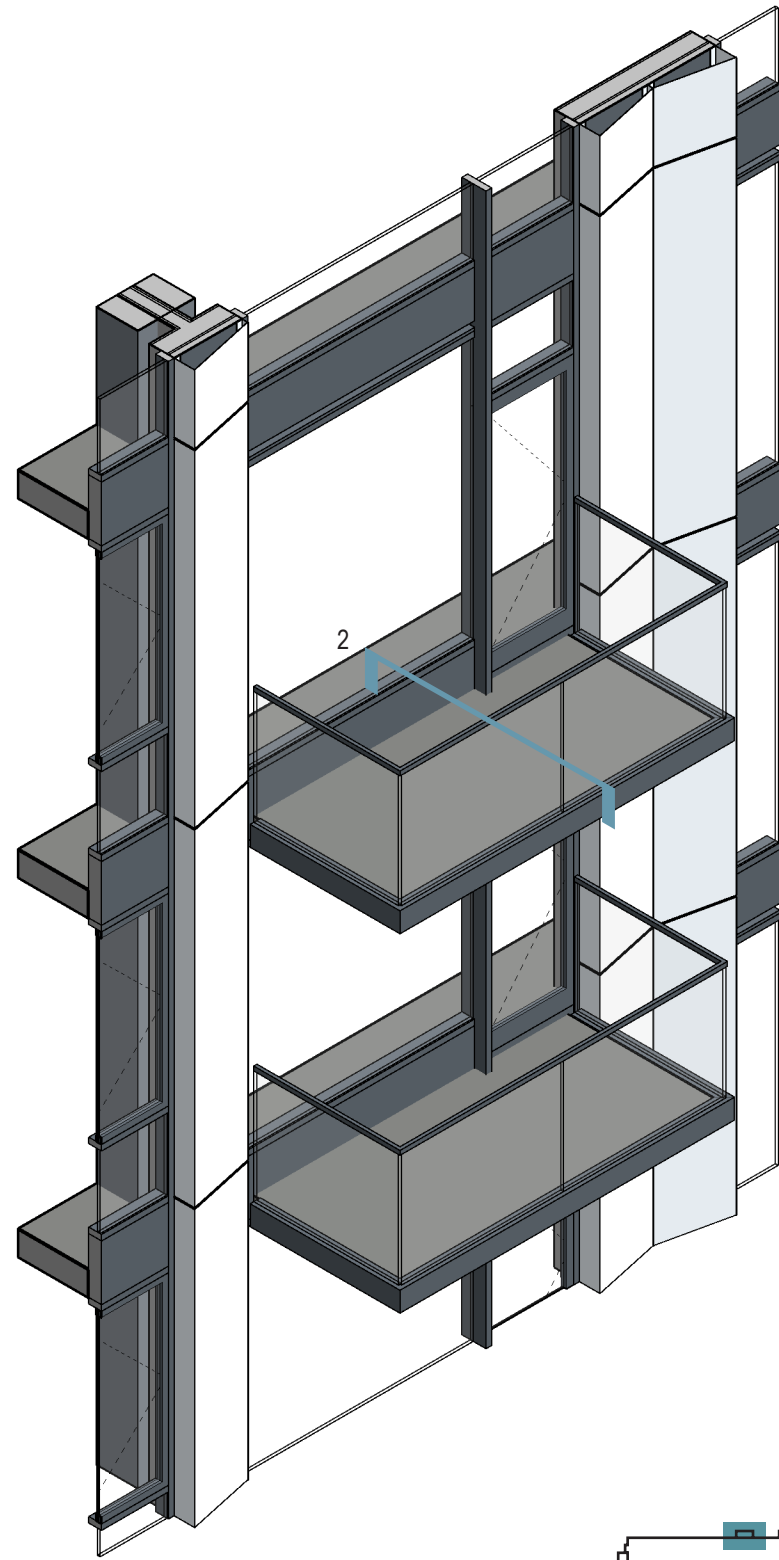
1 BALCONIES @ NORTH FACADE



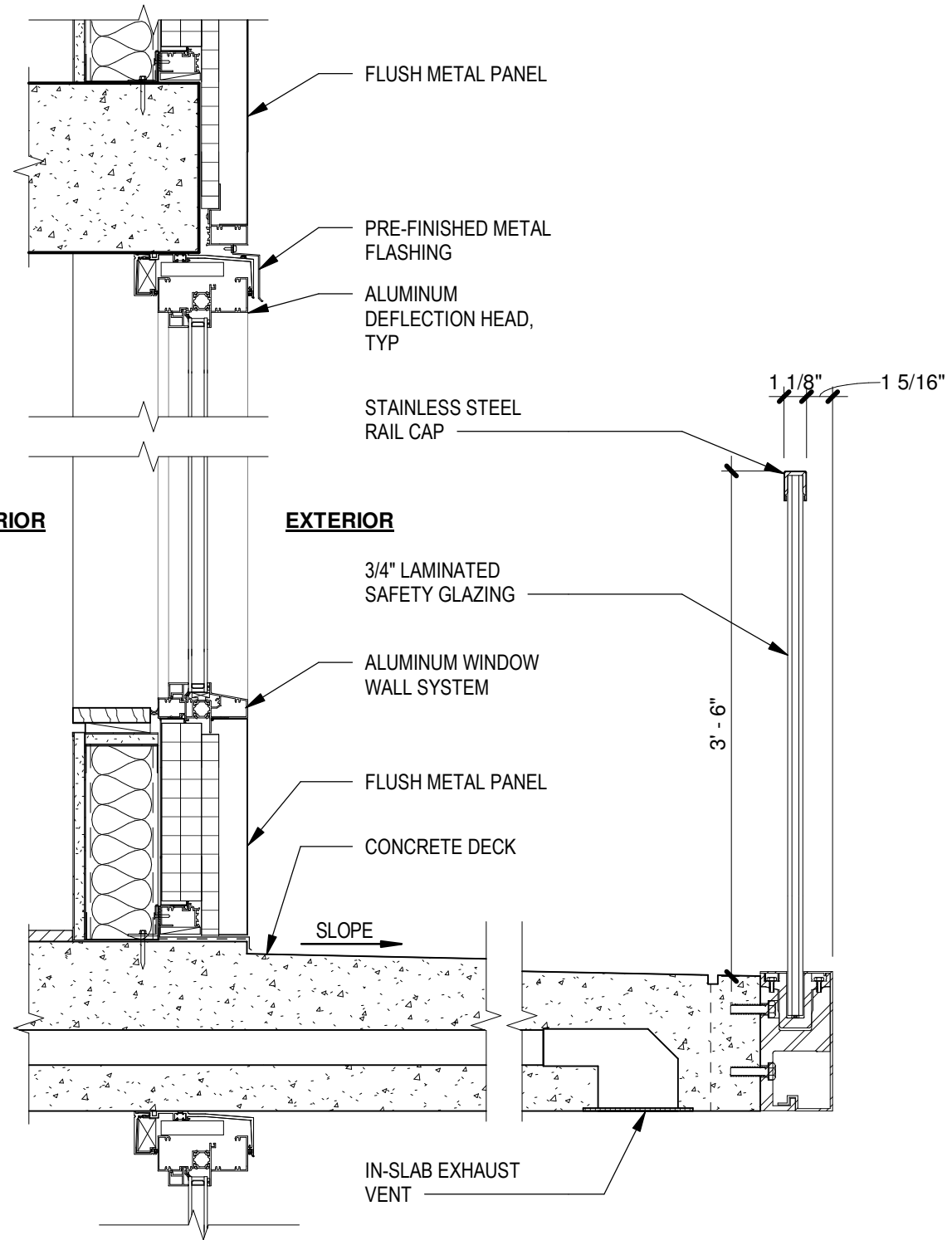
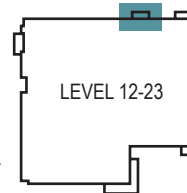
2 WINDOW WALL DOOR @ BALCONY - SECTION
1" = 1'-0"



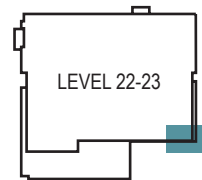
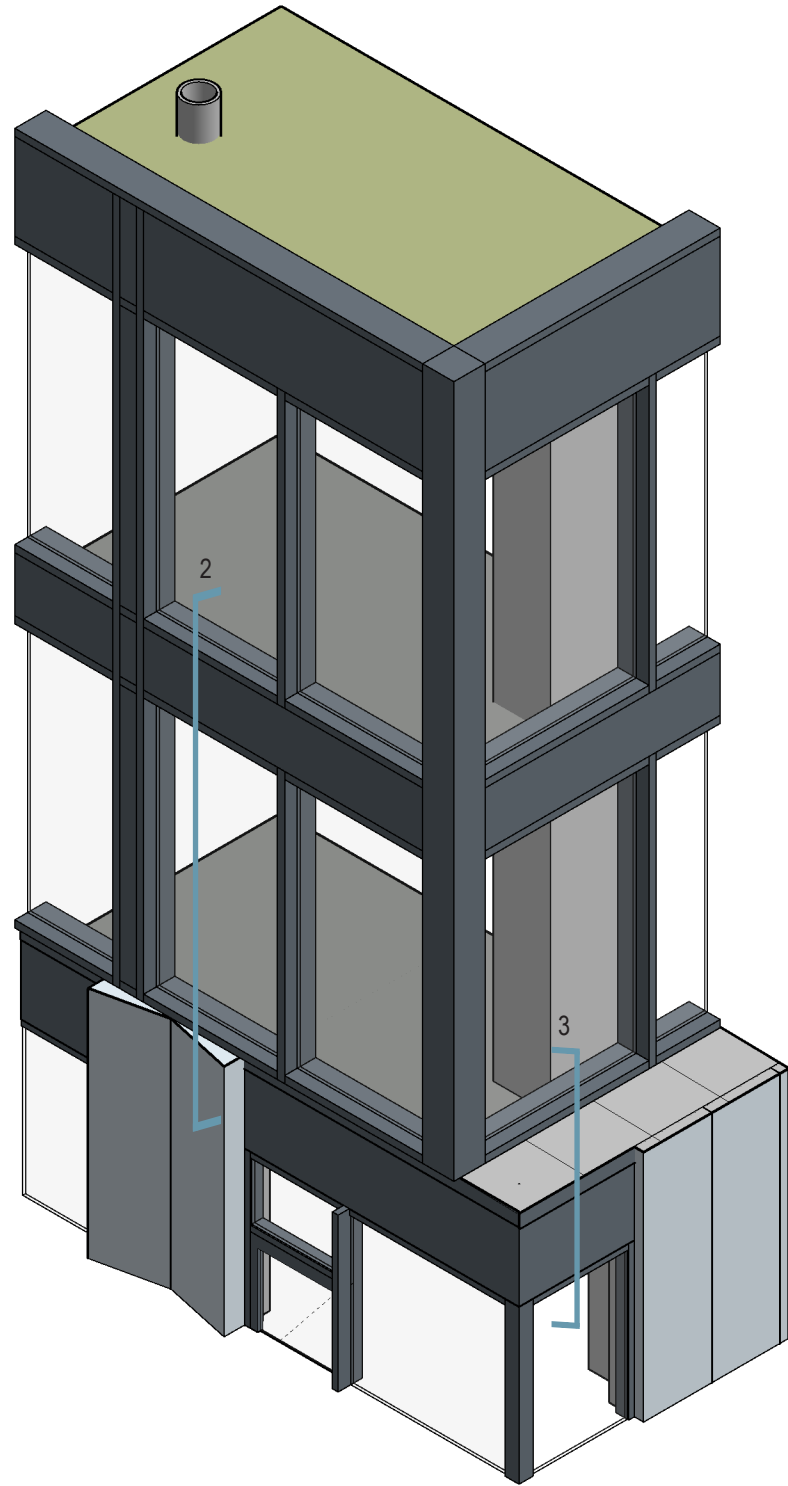
3 WINDOW WALL DOOR @ BALCONY - PLAN
1" = 1'-0"



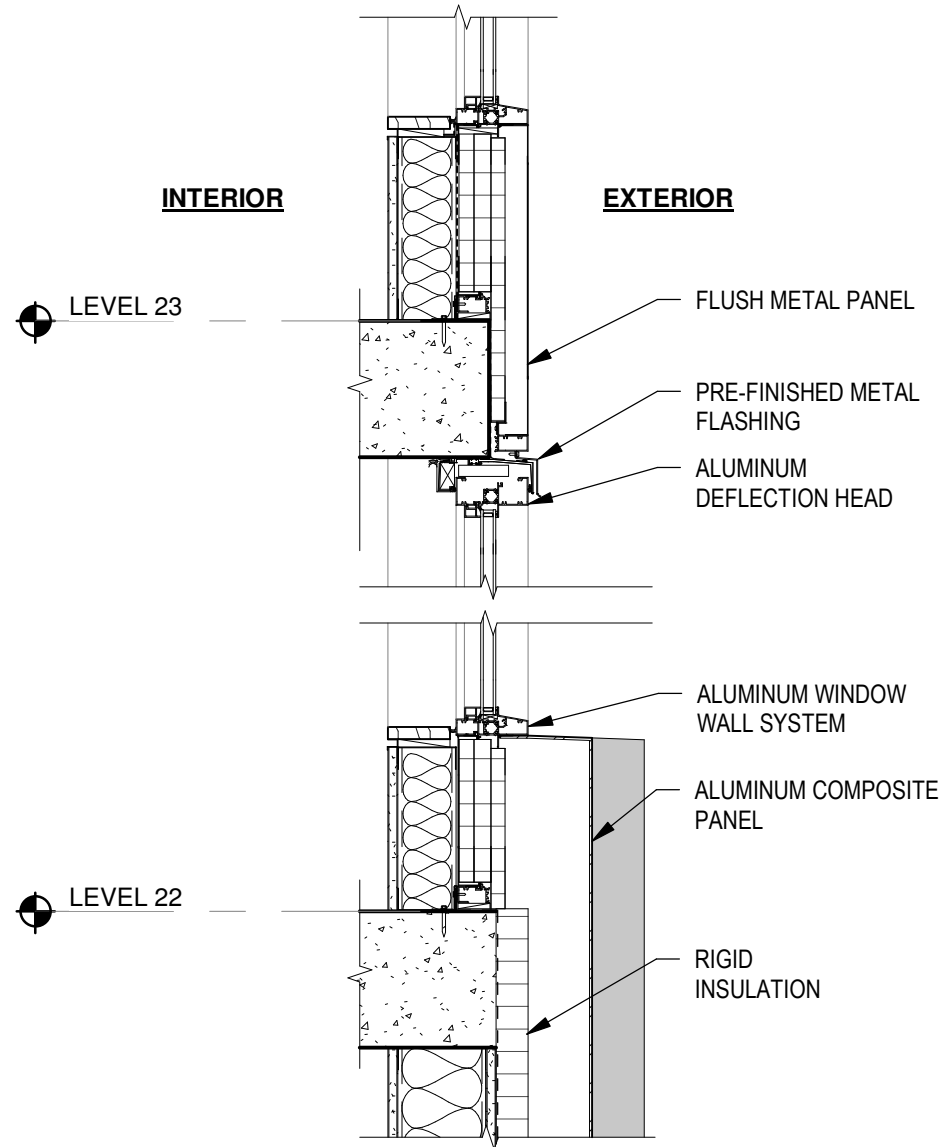
1 BALCONIES @ NORTH FACADE



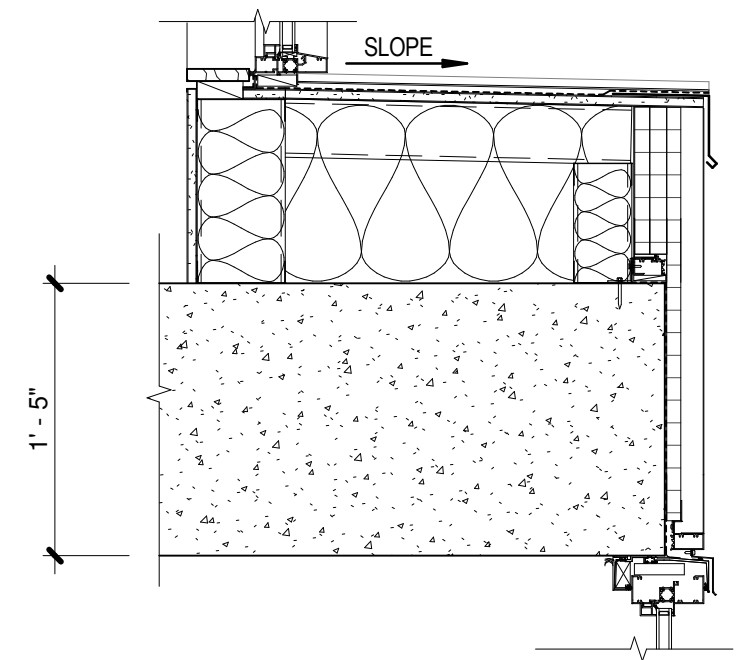
2 WINDOW WALL SILL @ BALCONY - SECTION
1 1/2" = 1'-0"



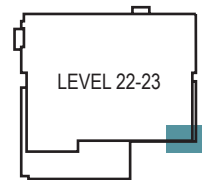
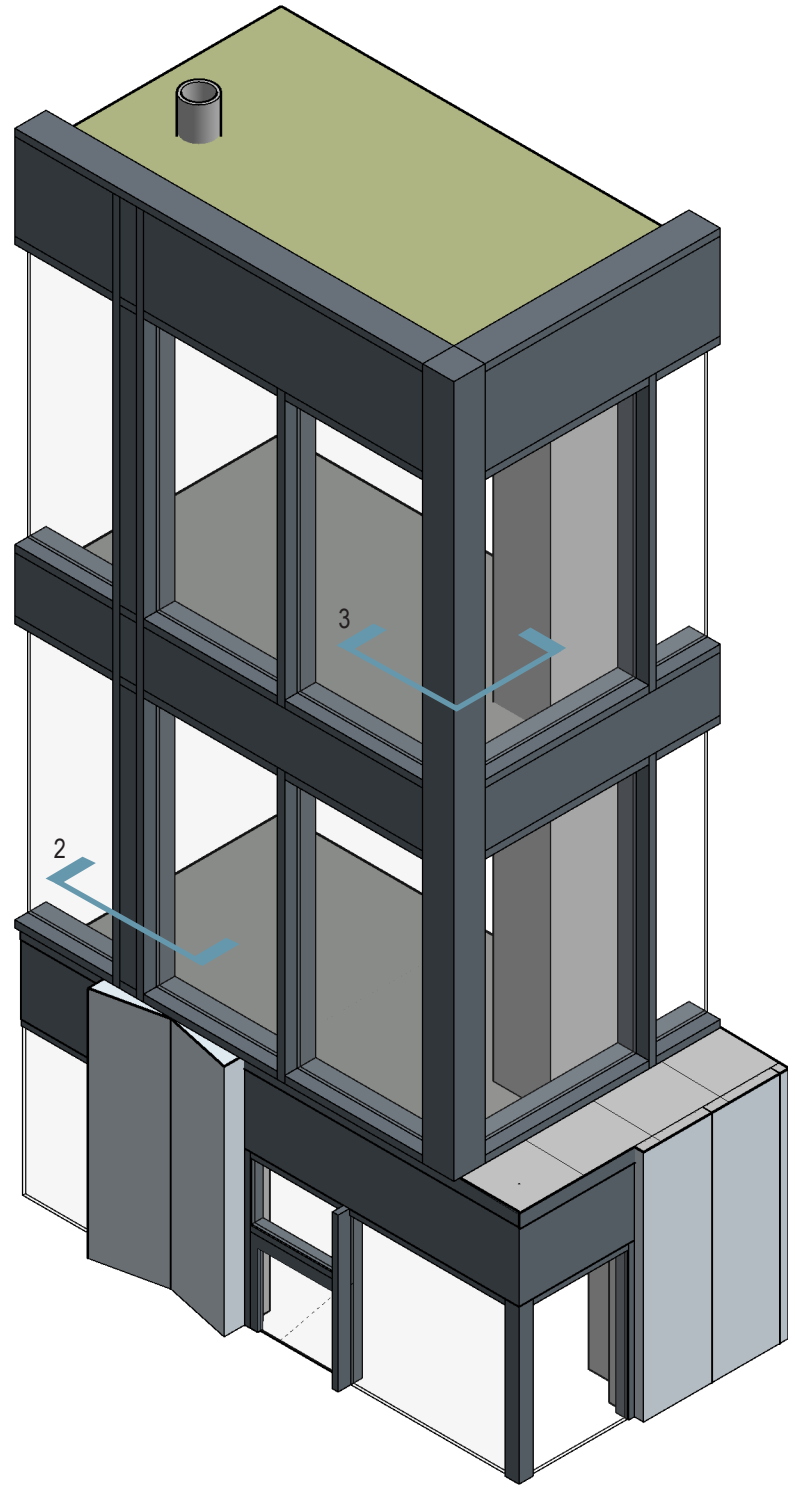
1 WINDOW WALL @ FITNESS CENTER



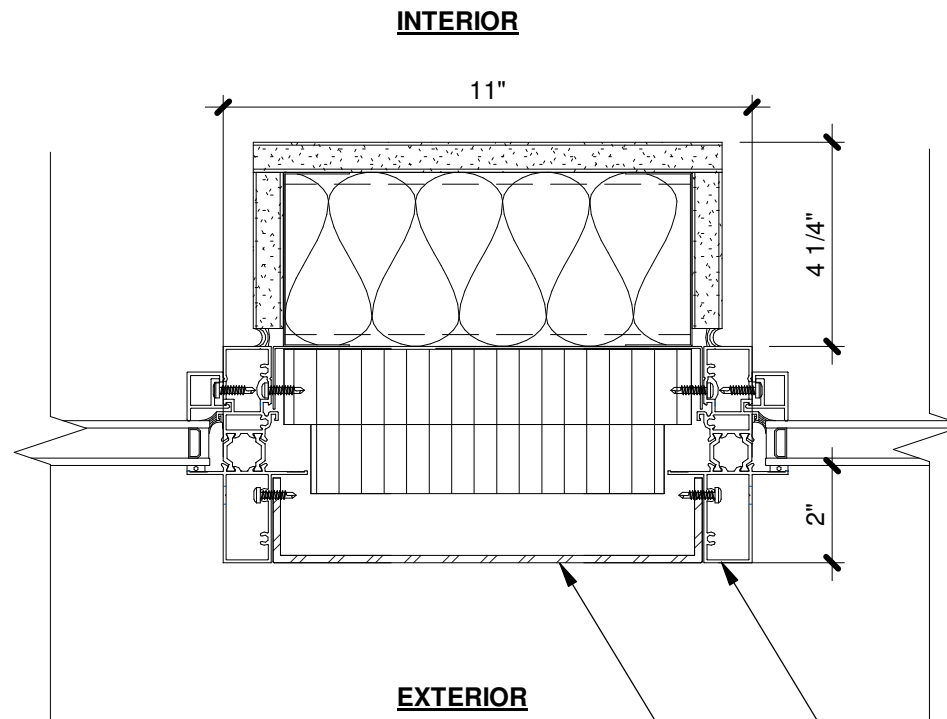
2 WINDOW WALL @ FITNESS CENTER
1" = 1'-0"



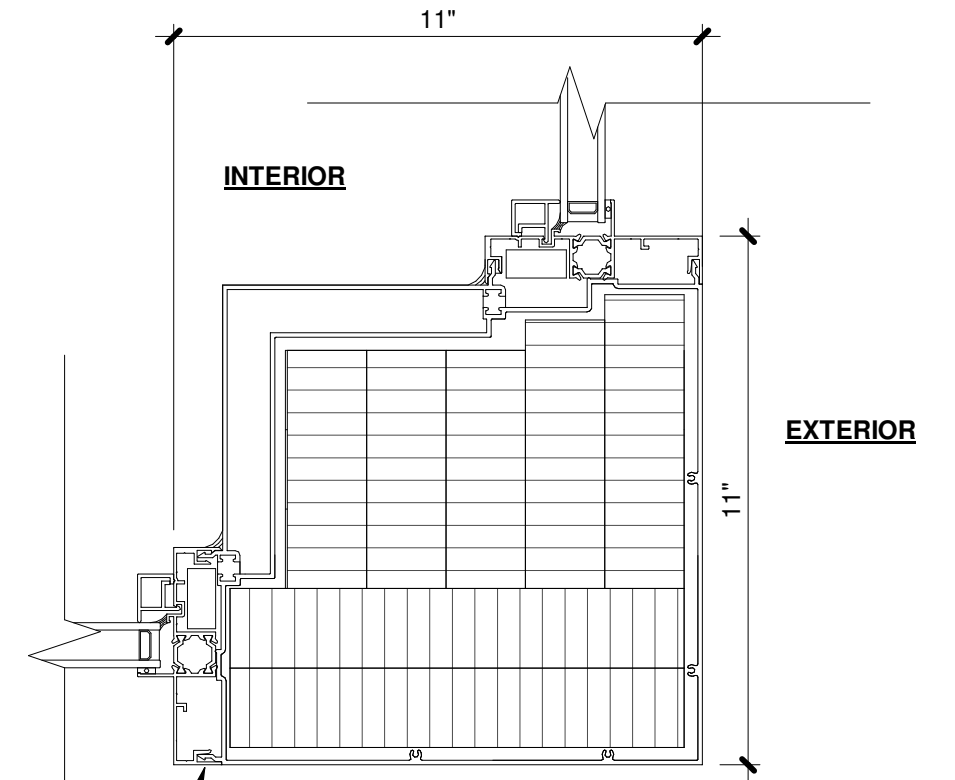
3 WINDOW WALL @ METAL ROOF
1" = 1'-0"



1 WINDOW WALL @ FITNESS CENTER



2 WINDOW WALL JAMB - PLAN
3" = 1'-0"

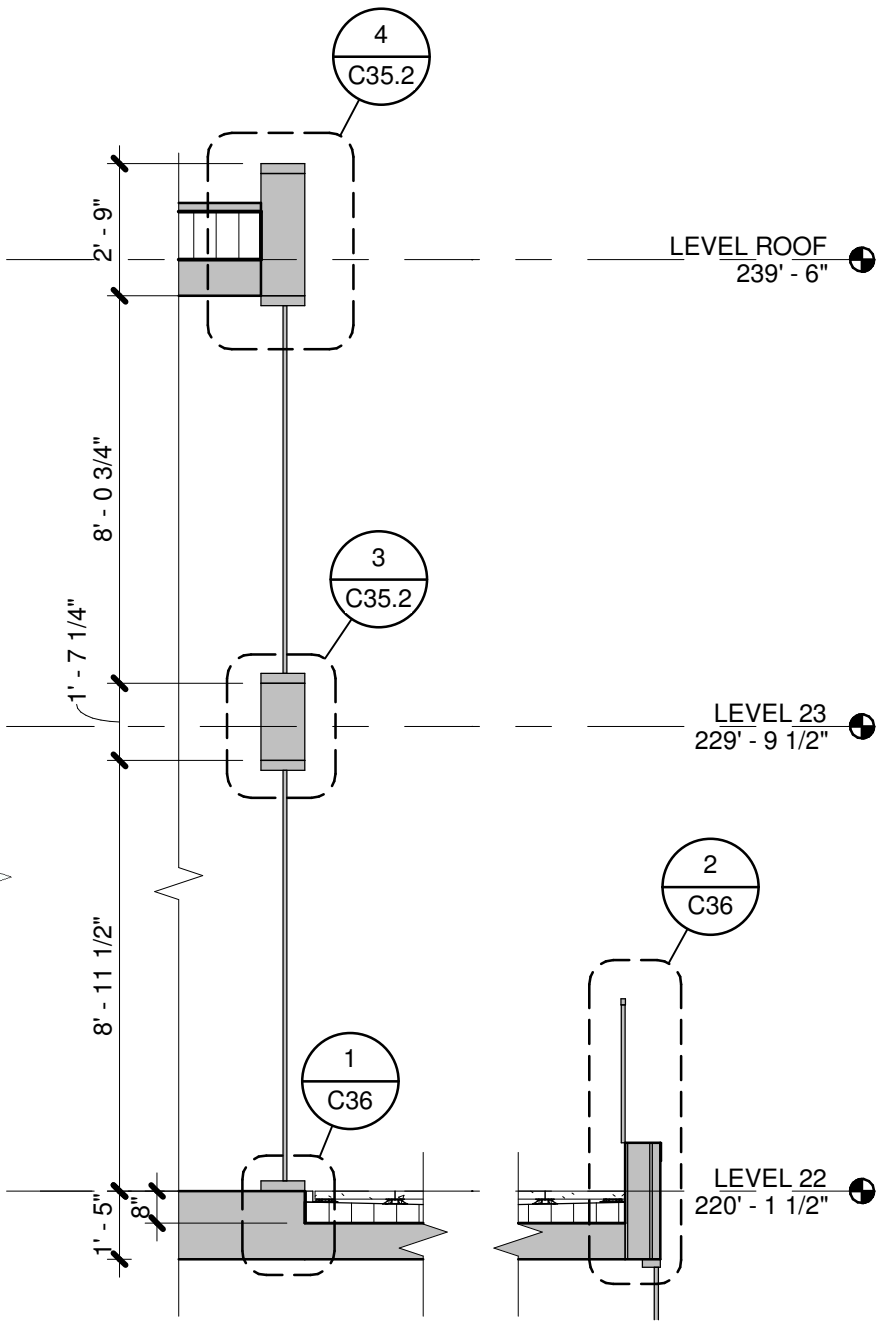


3 WINDOW WALL CORNER - PLAN
3" = 1'-0"

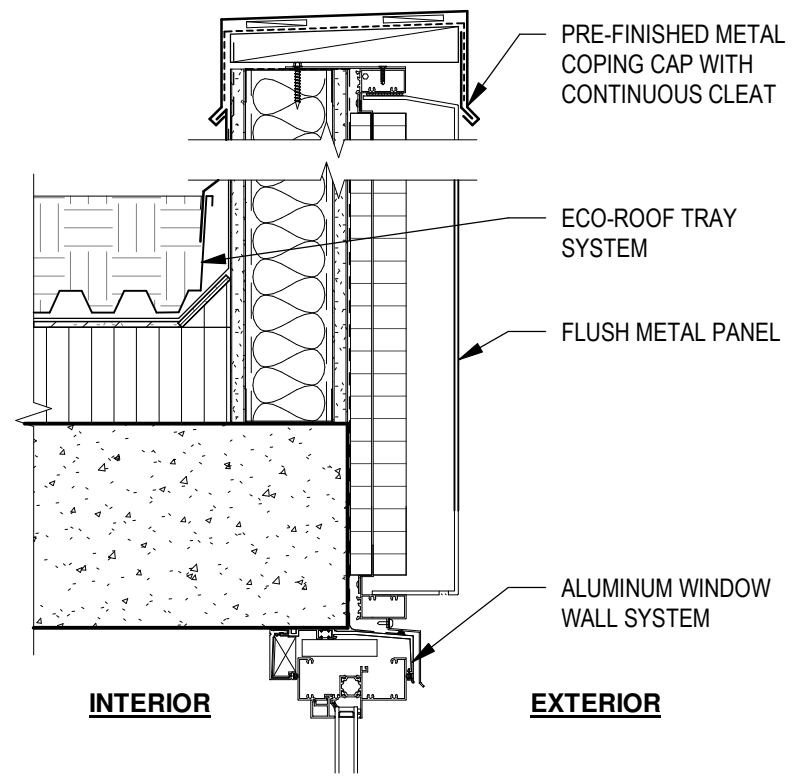
ALUMINUM WINDOW WALL SYSTEM
FLUSH METAL PANEL



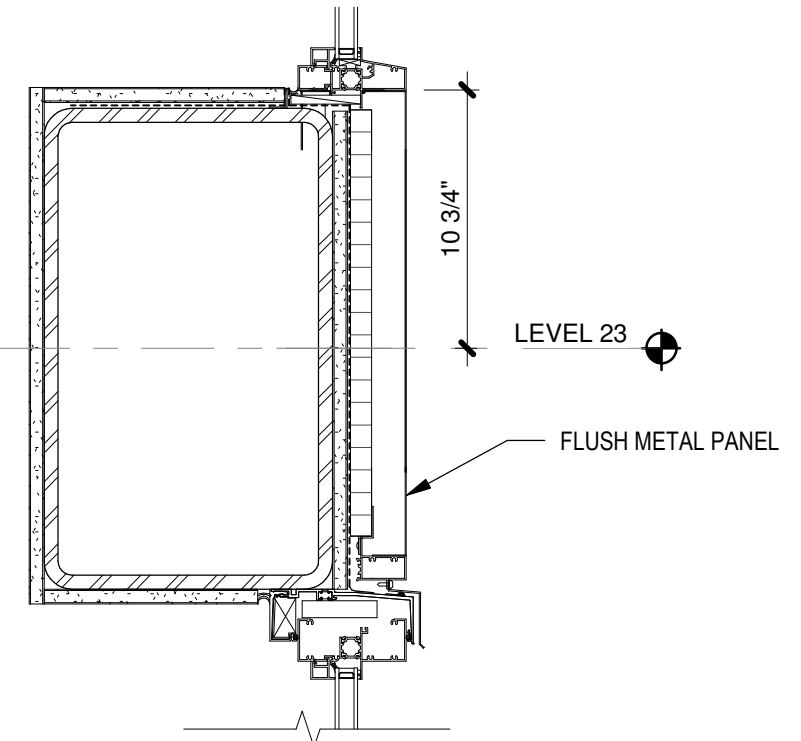
1 ENLARGED SOUTH ROOF TERRACE
1/4" = 1'-0"



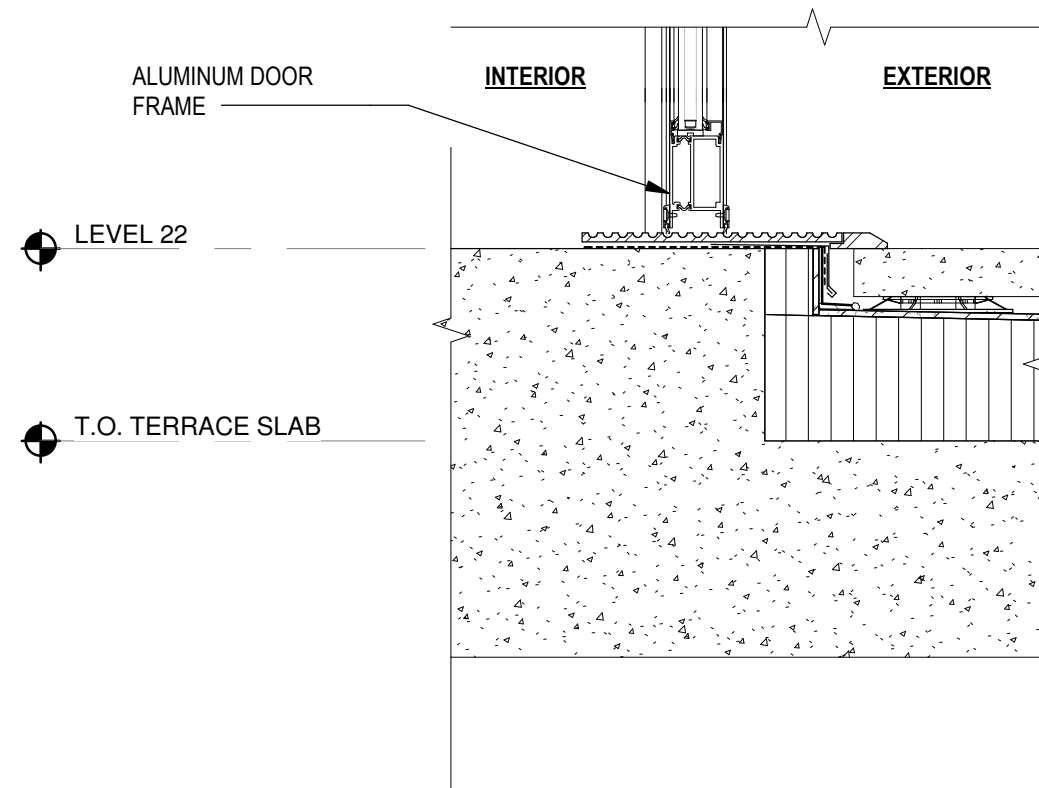
2 ROOF TERRACE WALL SECTION
1/4" = 1'-0"



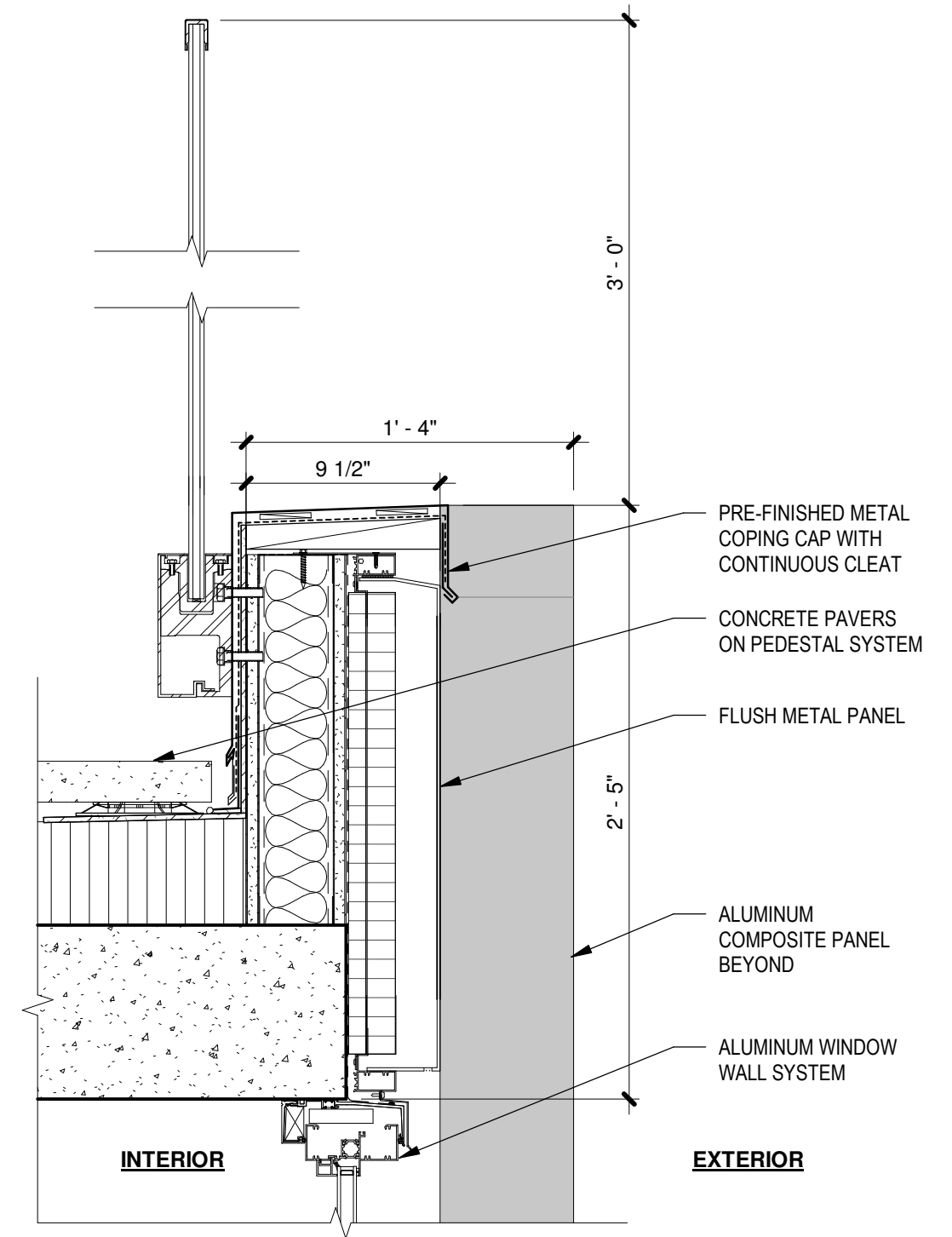
4 WINDOW WALL HEAD @ PARAPET
1 1/2" = 1'-0"



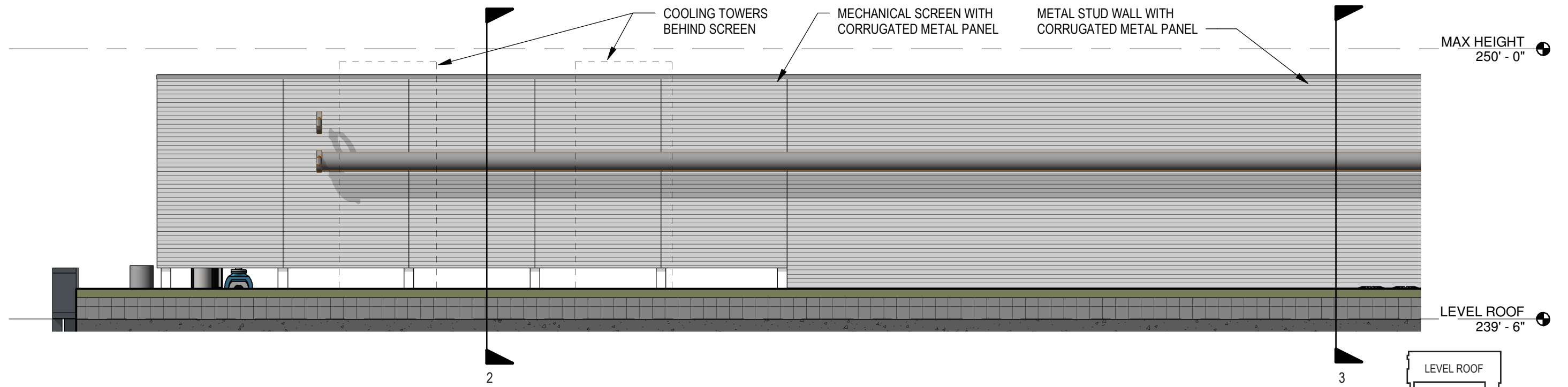
3 WINDOW WALL @ AMMENITY SPANDREL PANEL
1 1/2" = 1'-0"



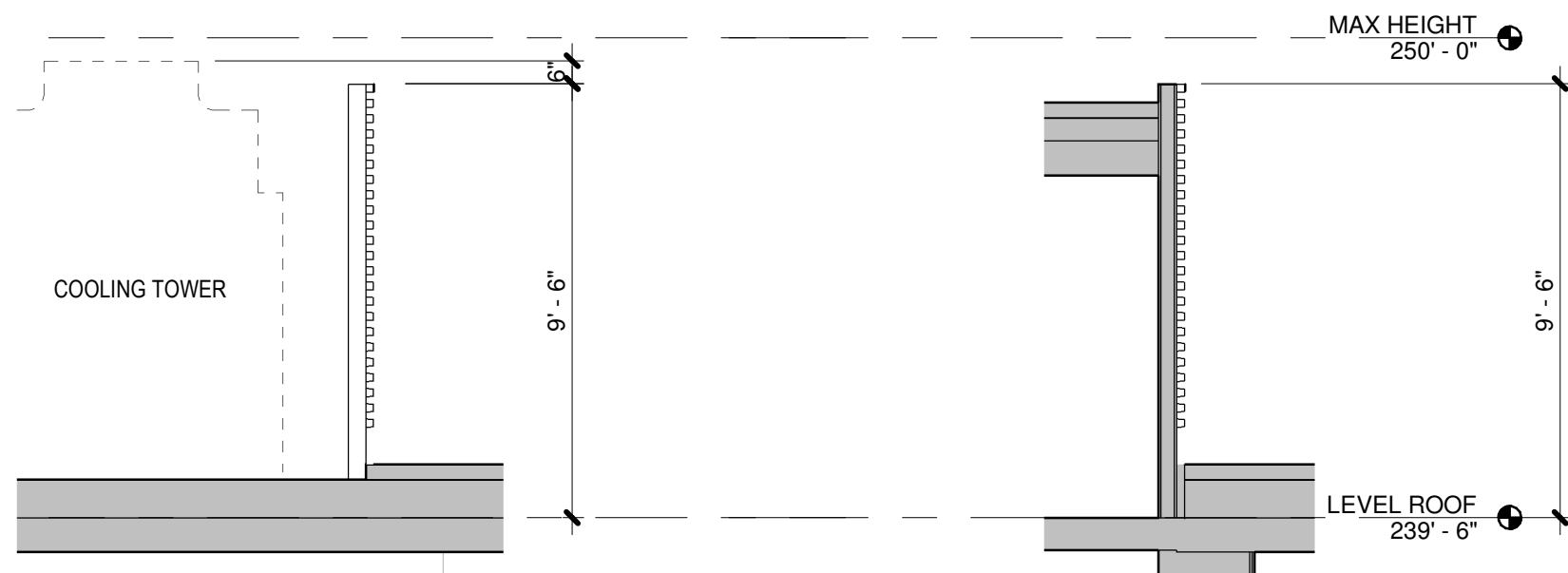
1 WINDOW WALL DOOR THRESHOLD @ PEDESTALS
1 1/2" = 1'-0"



2 WINDOW WALL HEAD @ TERRACE PARAPET
1 1/2" = 1'-0"



1 ENLARGED ROOF PENTHOUSE
1/4" = 1'-0"

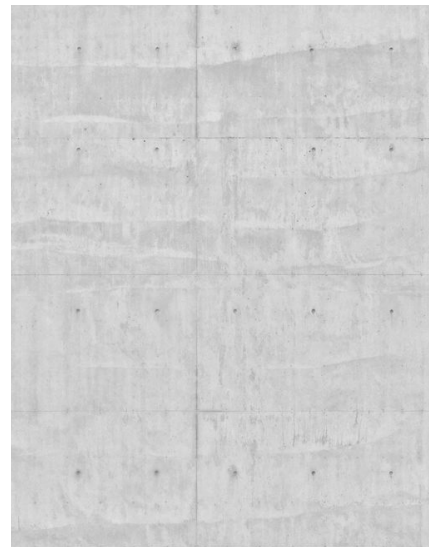


2 MECHANICAL SCREEN - SECTION
1/4" = 1'-0"

3 ELEVATOR OVERRUN WALL - SECTION
1/4" = 1'-0"



1 ENLARGED NORTH ELEVATION
1/8" = 1'-0"



CAST IN PLACE CONCRETE



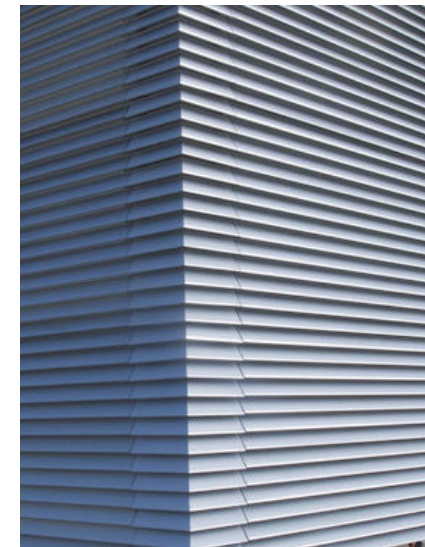
ALUMINUM STOREFRONT



FOLDING GLASS WALL



STEEL FRAME GLASS CANOPY



METAL LOUVERS



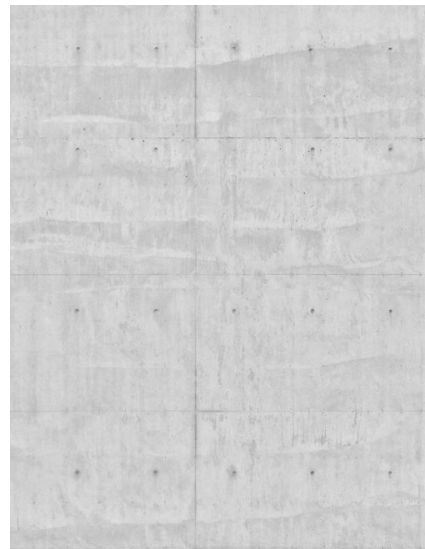
SLIDING GLASS DOORS



1 ENLARGED WEST ELEVATION
1/8" = 1'-0"



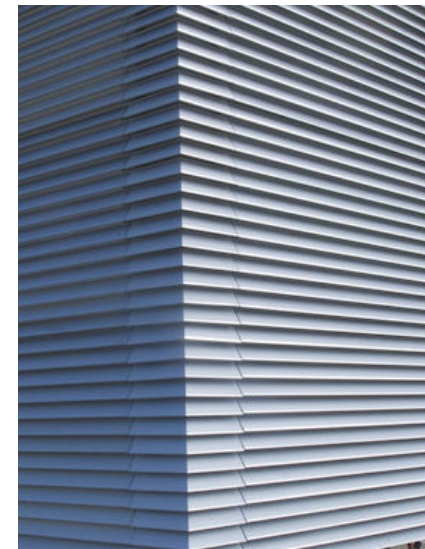
SLIDING GLASS DOORS



CAST IN PLACE CONCRETE



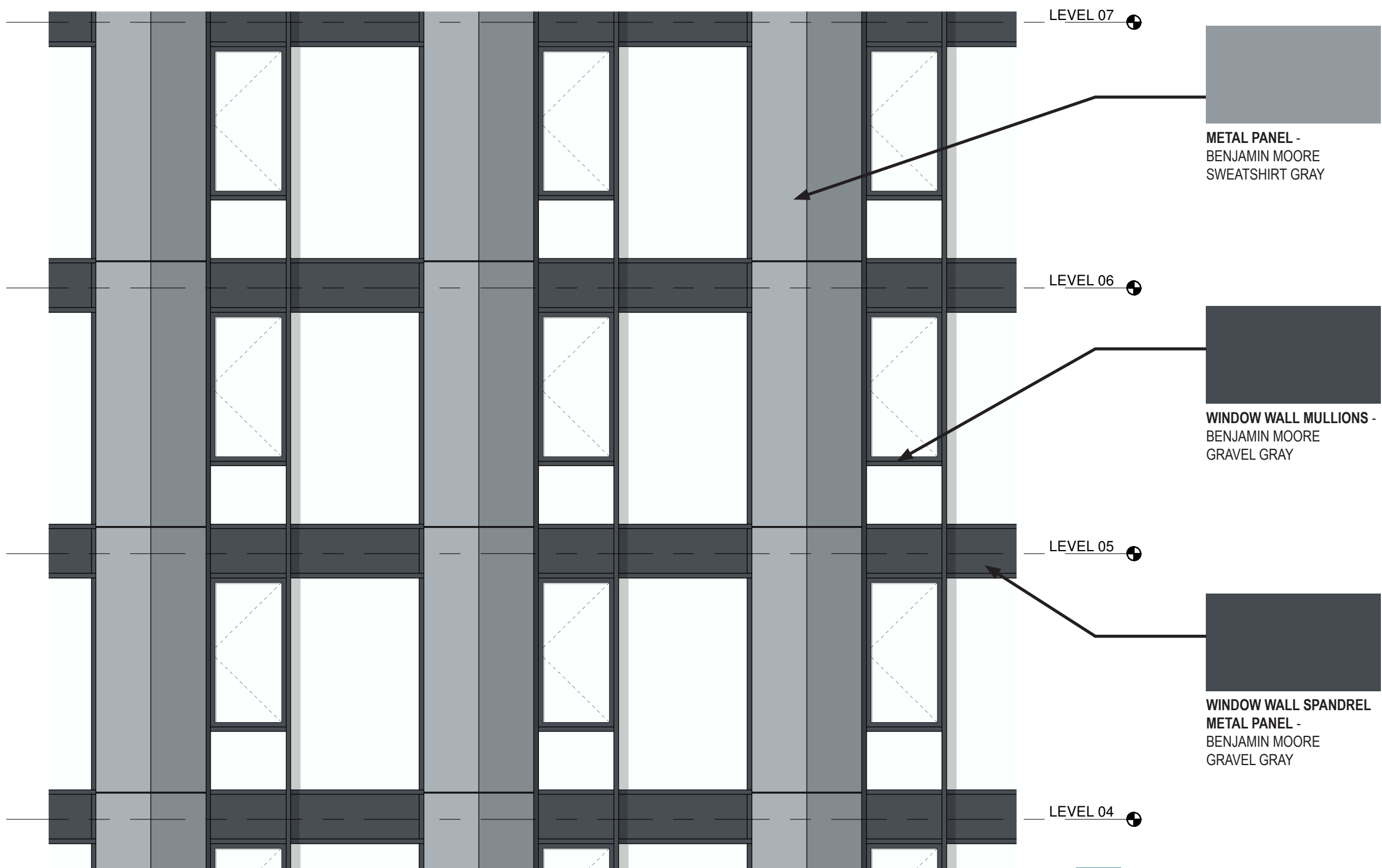
ALUMINUM STOREFRONT



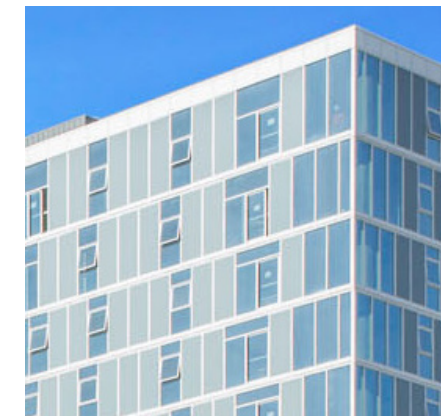
METAL LOUVERS



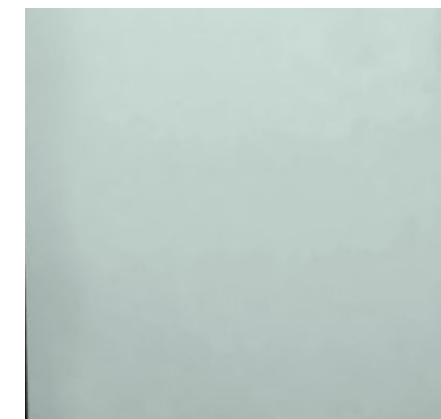
ALUMINUM + GLASS OVERHEAD DOOR



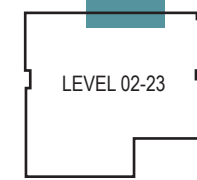
ACM METAL PANELS



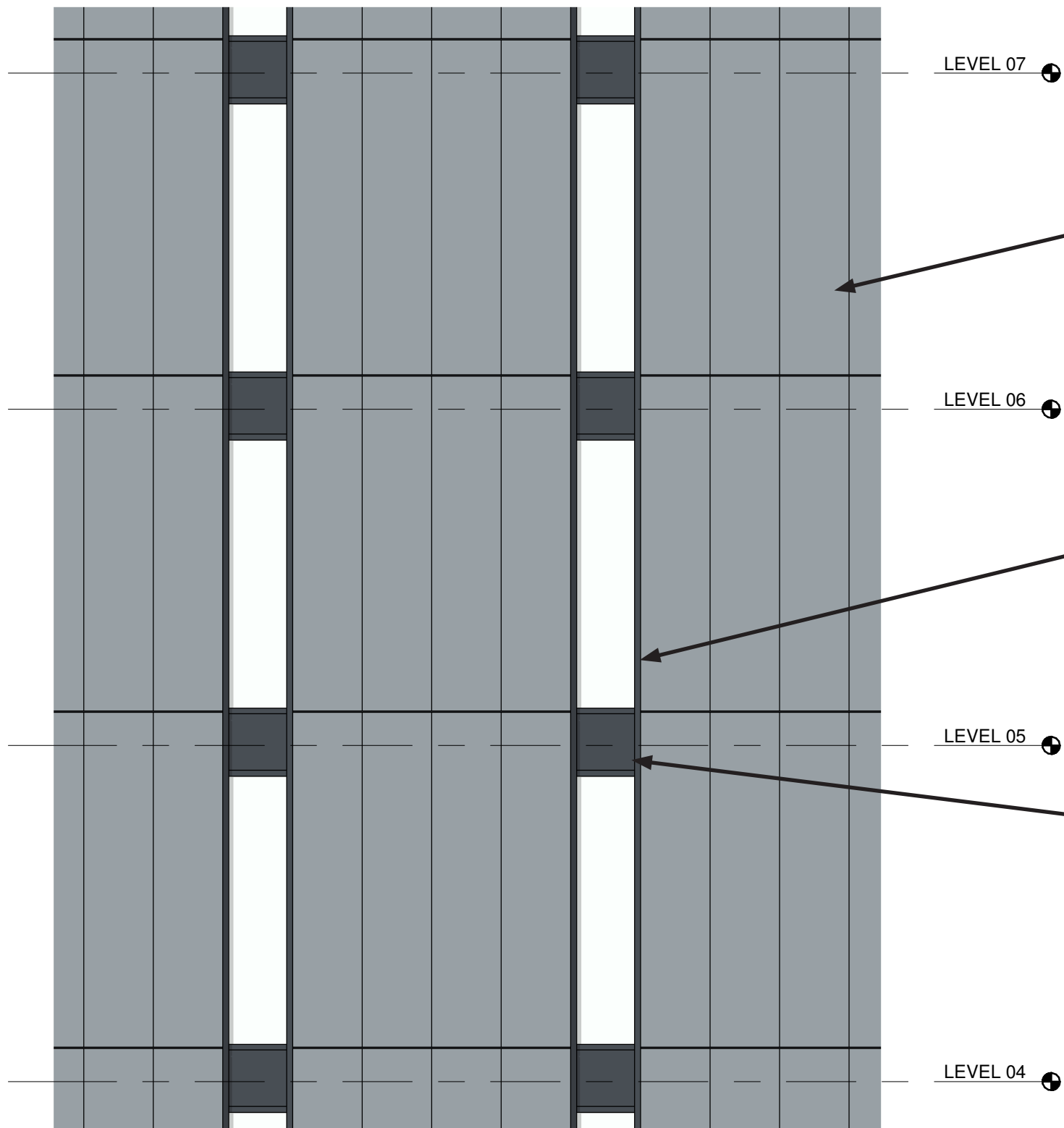
WINDOW WALL SYSTEM



INSULATED GLASS UNIT



1 ENLARGED NORTH WINDOW ELEVATION
1/4" = 1'-0"



LEVEL 07

LEVEL 06

LEVEL 05

LEVEL 04



**METAL PANEL -
BENJAMIN MOORE
SWEATSHIRT GRAY**



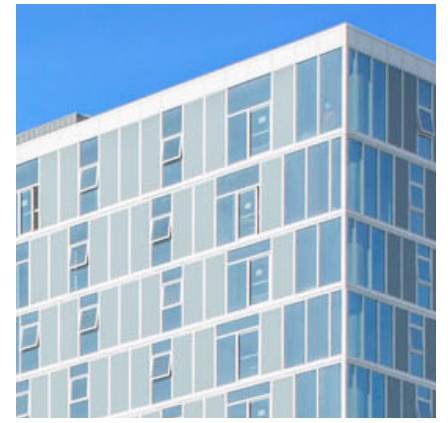
**WINDOW WALL MULLIONS -
BENJAMIN MOORE
GRAVEL GRAY**



**WINDOW WALL SPANDREL
METAL PANEL -
BENJAMIN MOORE
GRAVEL GRAY**



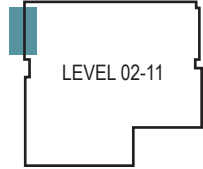
ACM METAL PANELS



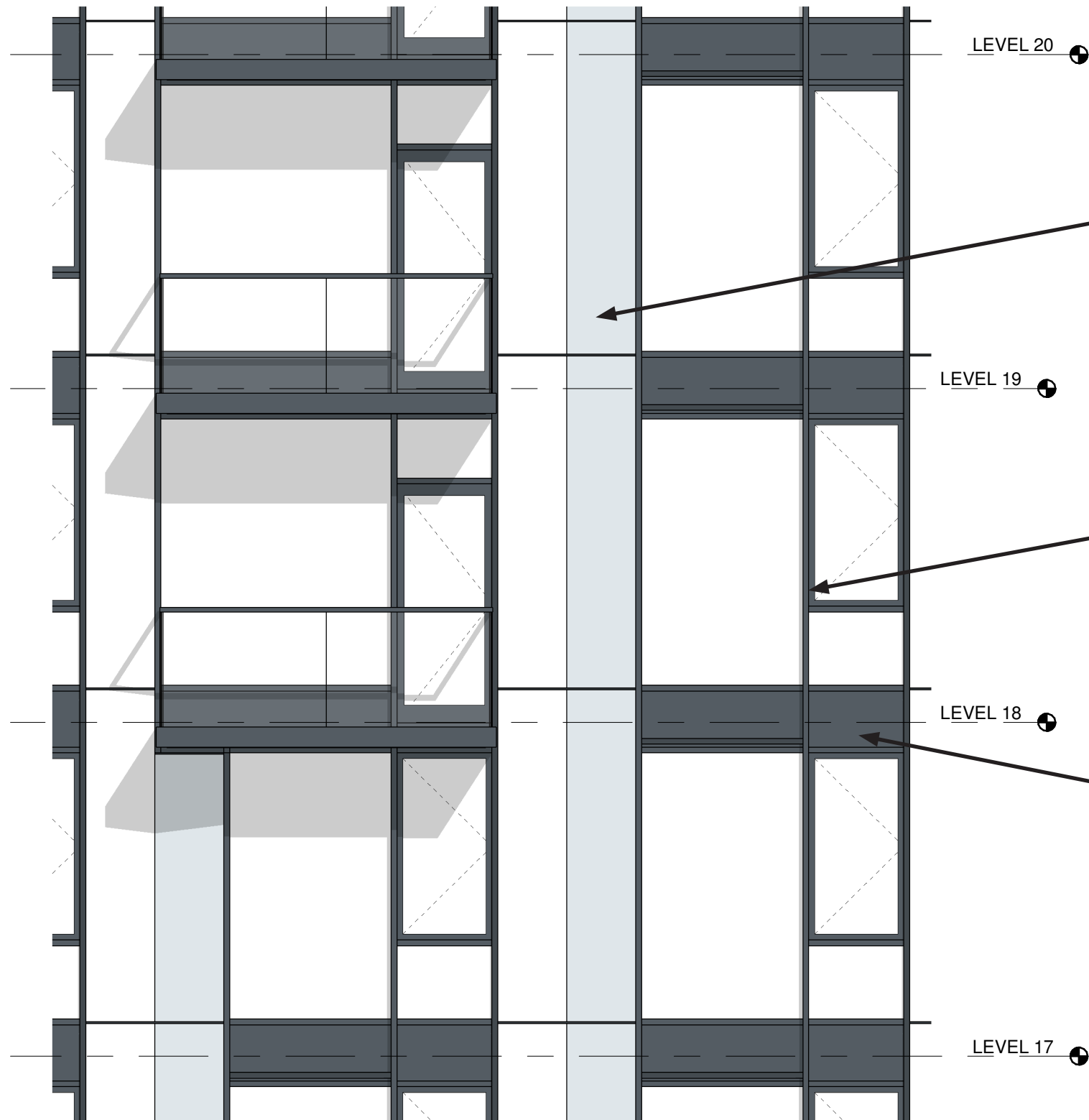
WINDOW WALL SYSTEM



INSULATED GLASS UNIT



1 ENLARGED WEST WINDOW ELEVATION
1/4" = 1'-0"



LEVEL 20

LEVEL 19

LEVEL 18

LEVEL 17



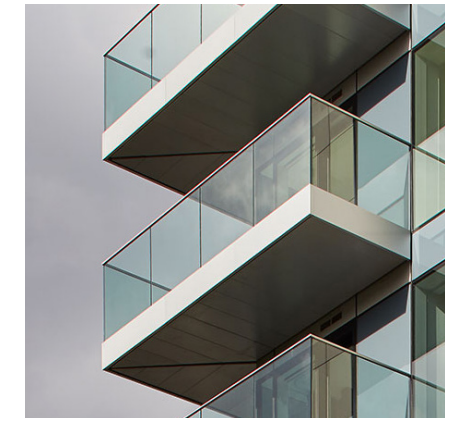
METAL PANEL -
BENJAMIN MOORE
SWEET INNOCENCE



ACM METAL PANELS



WINDOW WALL MULLIONS -
BENJAMIN MOORE
GRAVEL GRAY



BALCONY WITH LAMINATED GLASS
GUARDRAIL AND METAL FASCIA



**WINDOW WALL SPANDREL
METAL PANEL -**
BENJAMIN MOORE
GRAVEL GRAY



INSULATED GLASS UNIT

1 ENLARGED NORTH BALCONIES ELEVATION
1/4" = 1'-0"



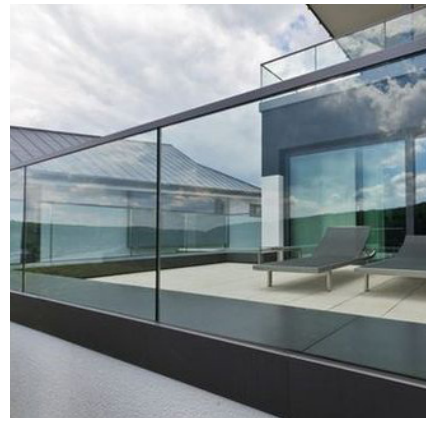
WINDOW WALL MULLIONS -
BENJAMIN MOORE
GRAVEL GRAY



ACM METAL PANELS



WINDOW WALL SPANDREL
METAL PANEL -
BENJAMIN MOORE
GRAVEL GRAY



GLASS GUARDRAIL



METAL PANEL -
BENJAMIN MOORE
SWEATSHIRT GRAY

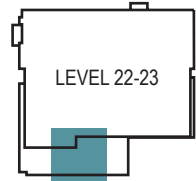


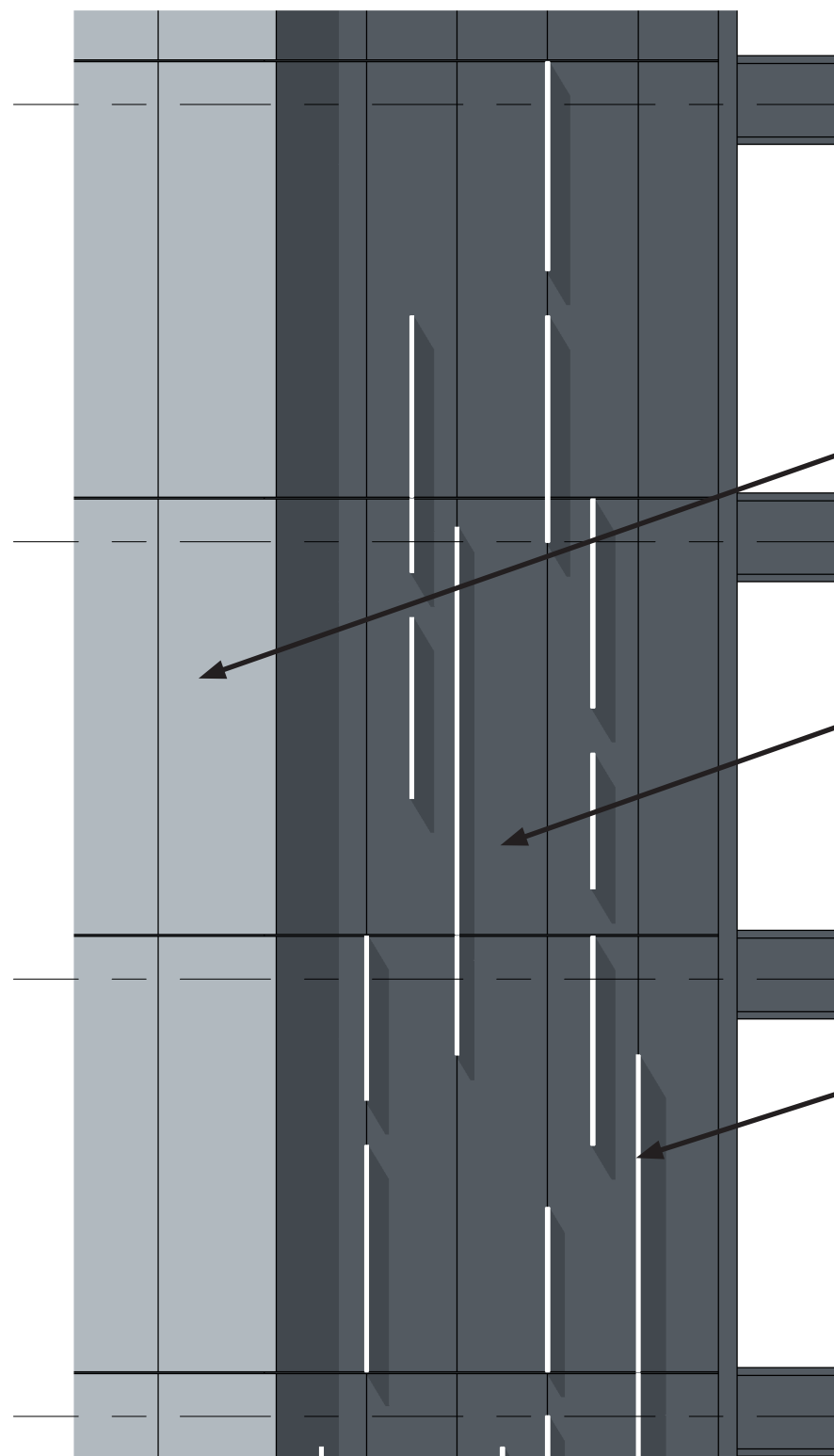
INSULATED GLASS UNIT



METAL PANEL -
BENJAMIN MOORE
SWEET INNOCENCE

1 ENLARGED SOUTH ROOF TERRACE
1/4" = 1'-0"



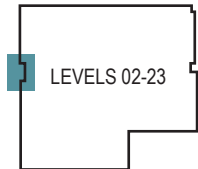


LEVEL 07

LEVEL 06

LEVEL 05

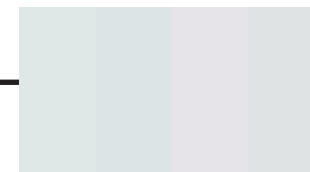
LEVEL 04



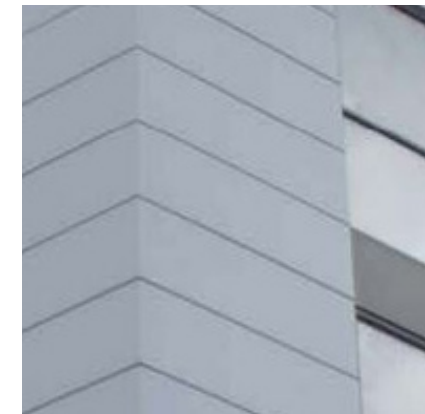
METAL PANEL -
BENJAMIN MOORE
SWEATSHIRT GRAY



METAL PANEL -
BENJAMIN MOORE
GRAVEL GRAY



METAL FINES -
VARIOUS COLORS



ACM METAL PANELS

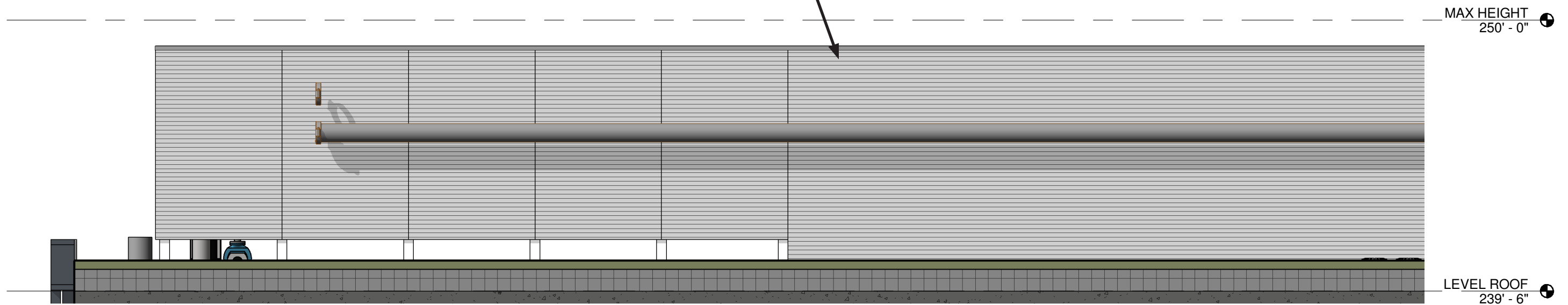


GLASS GUARDRAIL

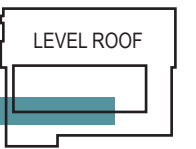
1 ENLARGED INSET SLOT ELEVATION
1/4" = 1'-0"

METAL PANEL -
BENJAMIN MOORE
SWEATSHIRT GRAY

FOLDED METAL PANEL



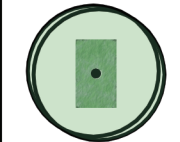
1 ENLARGED ELEVATOR OVERRUN
1/4" = 1'-0"





3 PRUNUS SARGENTII 'COLUMNARIS' /
COLUMNAR SARGENT CHERRY 3" CAL

102 LIRIOPE GIGANTEA 'BIG BLUE' /
BIG BLUE LILYTURF



1 PYRUS CALLERYANA 'CAPITAL' /
CAPITAL CALLERY PEAR 3" CAL

26 LIRIOPE MUSCARI 'SILVERY SUNPROOF' /
SILVERY SUNPROOF BLUE LILYTURF



48"x24"x24" RECTANGULAR
PLANTER BOX



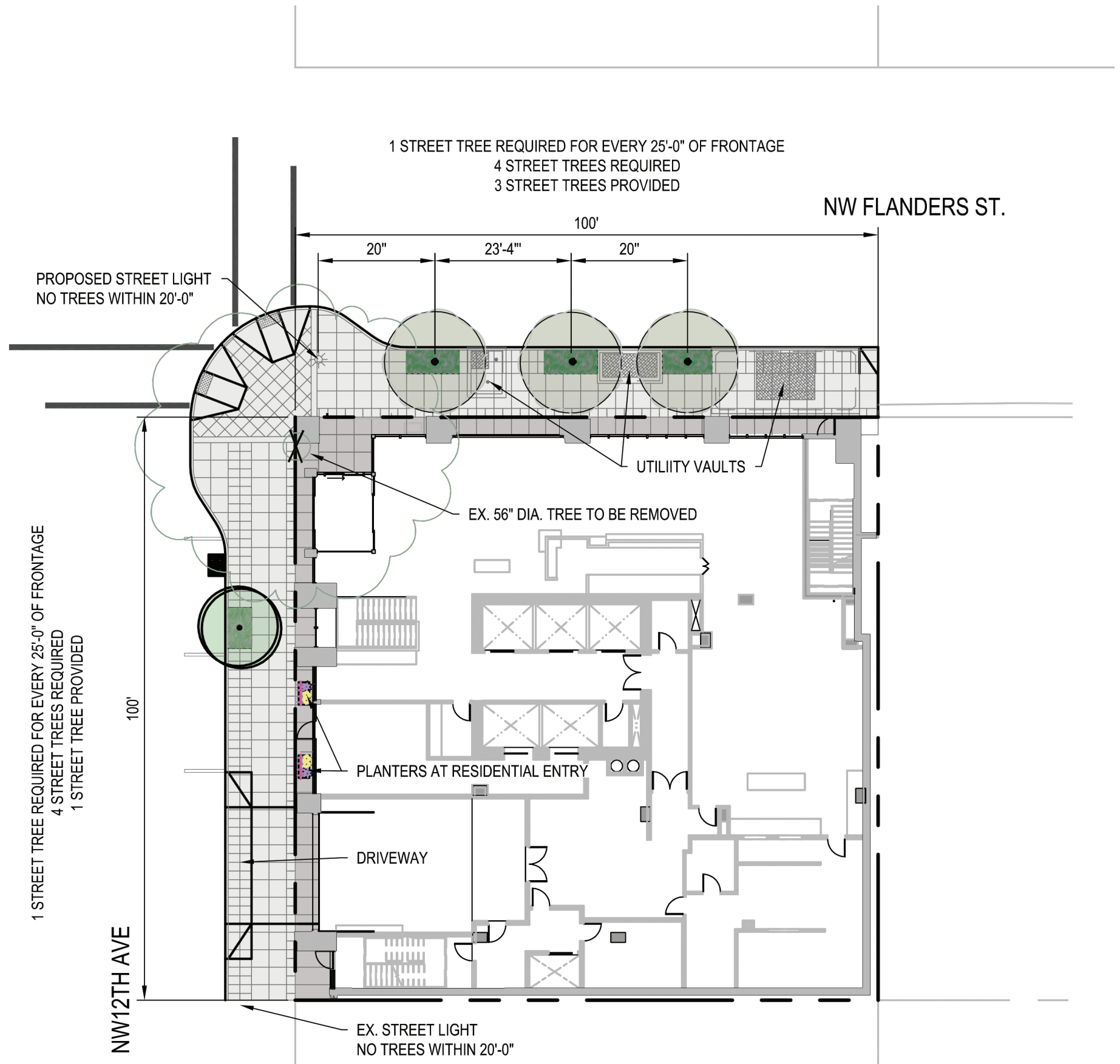
4 CAREX MORROWII 'AUREA-VARIEGATA' /
VARIEGATED JAPANESE SEDGE



2 LAVANDULA ANGUSTIFOLIA 'FOLGATE' /
ENGLISH LAVENDER



8 PHLOX SUBULATA 'EMERALD PINK' /
EMERALD PINK CREEPING PHLOX



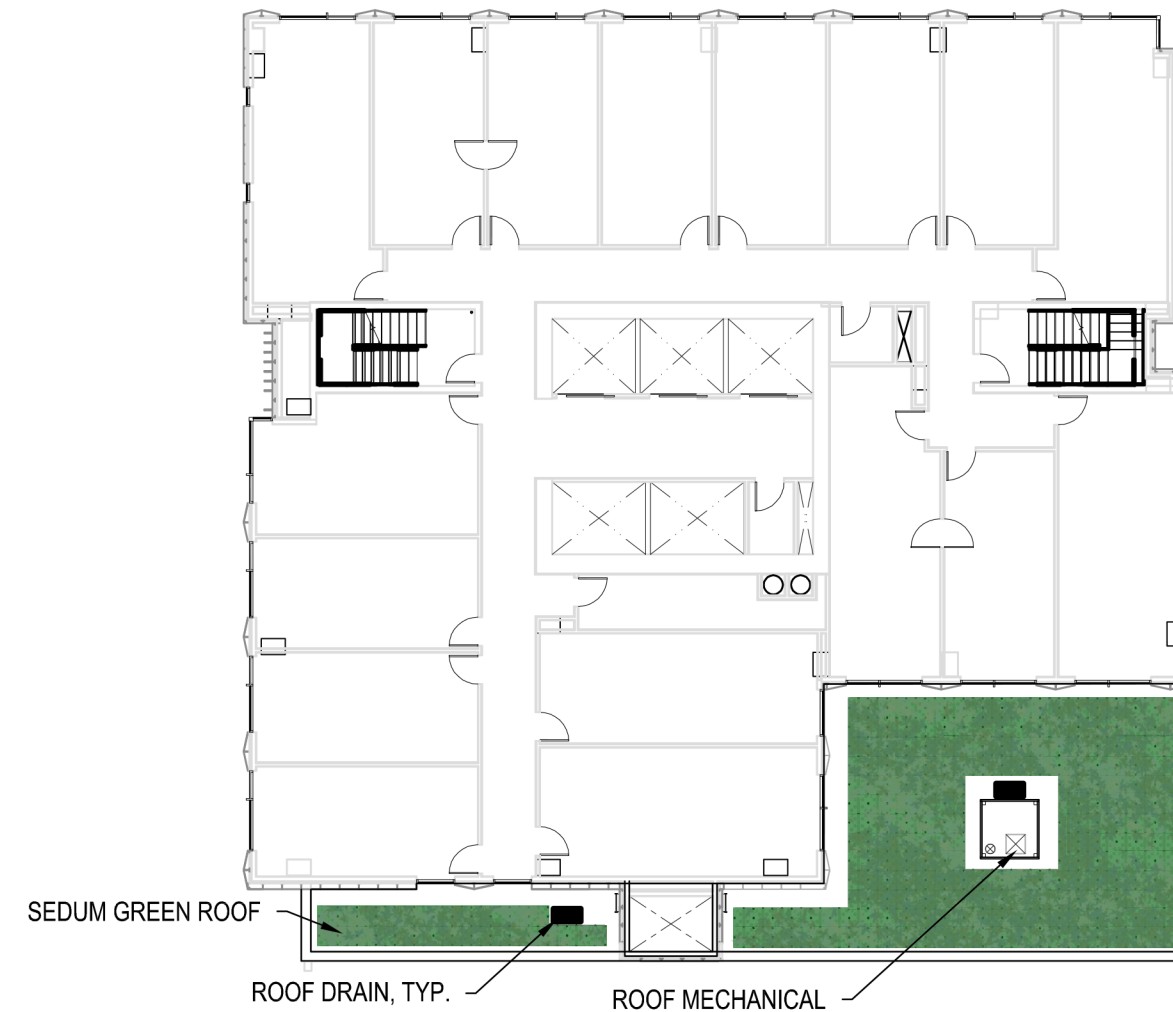
Shade Mix

Standard Mix- PL4400

The plants in Shade Mix are those that have demonstrated abilities to withstand the difficult conditions of shade. All Sedums do best in higher light, but this mix can tolerate low light better than most. Each Shade Mix tile includes 6 - 8 of the listed varieties.





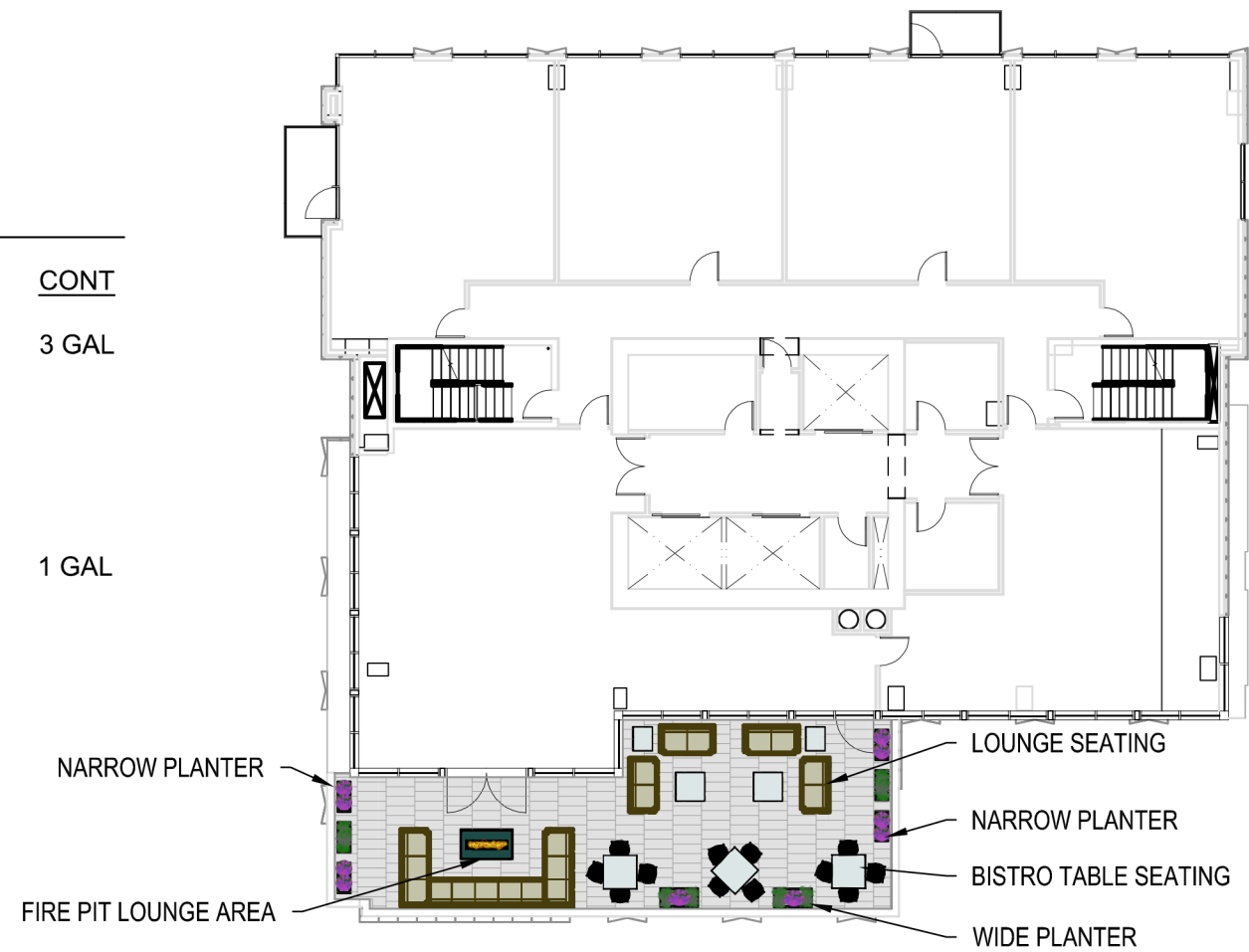
Plant Name	Flower Time	Flower Color	Winter Interest	Zone	Soil Depth	Mature Height	Width
<i>Sedum acre</i> 'Aurea'	Late Spring	Yellow	Yes	4-7	3-4"	1-2"	12-15"
<i>Sedum h.</i> 'Immergrunchen'	Mid Summer thru Fall	Yellow	Yes	4-7	3-4"	5-6"	6-8"
<i>Sedum pachyclados</i>	Mid Summer	White	Yes	4-7	3-4"	2-3"	5-6"
<i>Sedum sexangulare</i>	Mid Summer	Yellow	Yes	4-7	3-4"	3-4"	6-8"
<i>Sedum spurium</i> 'AlbumSuperbum'	Mid Summer	White	Yes	5-8	3-4"	4-6"	6-8"
<i>Sedum spurium</i> 'Fuldaglut'	Early Summer	Red	Yes	5-8	3-4"	4-6"	6-8"
<i>Sedum spurium</i> 'Green Mantle'	Early Summer	Yellow	Yes	3-7	3-4"	2-3"	6-8"
<i>Sedum</i> 'JohnCreech'	Mid Summer	Pink	Yes	3-8	3-4"	4-6"	6-8"
<i>Sedum ternatum</i>	Early Summer	White	Yes	4-7	3-4"	2-3"	6-8"





PLANT SCHEDULE - ROOF PATIO PLANTERS

SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	CONT
	10	LAVANDULA ANGUSTIFOLIA 'FOLGATE' / ENGLISH LAVENDER	3 GAL
	28	LIRIOPE GIGANTEA 'BIG BLUE' / BIG BLUE LILYTURF	1 GAL



TECHNICAL INFORMATION SHEET

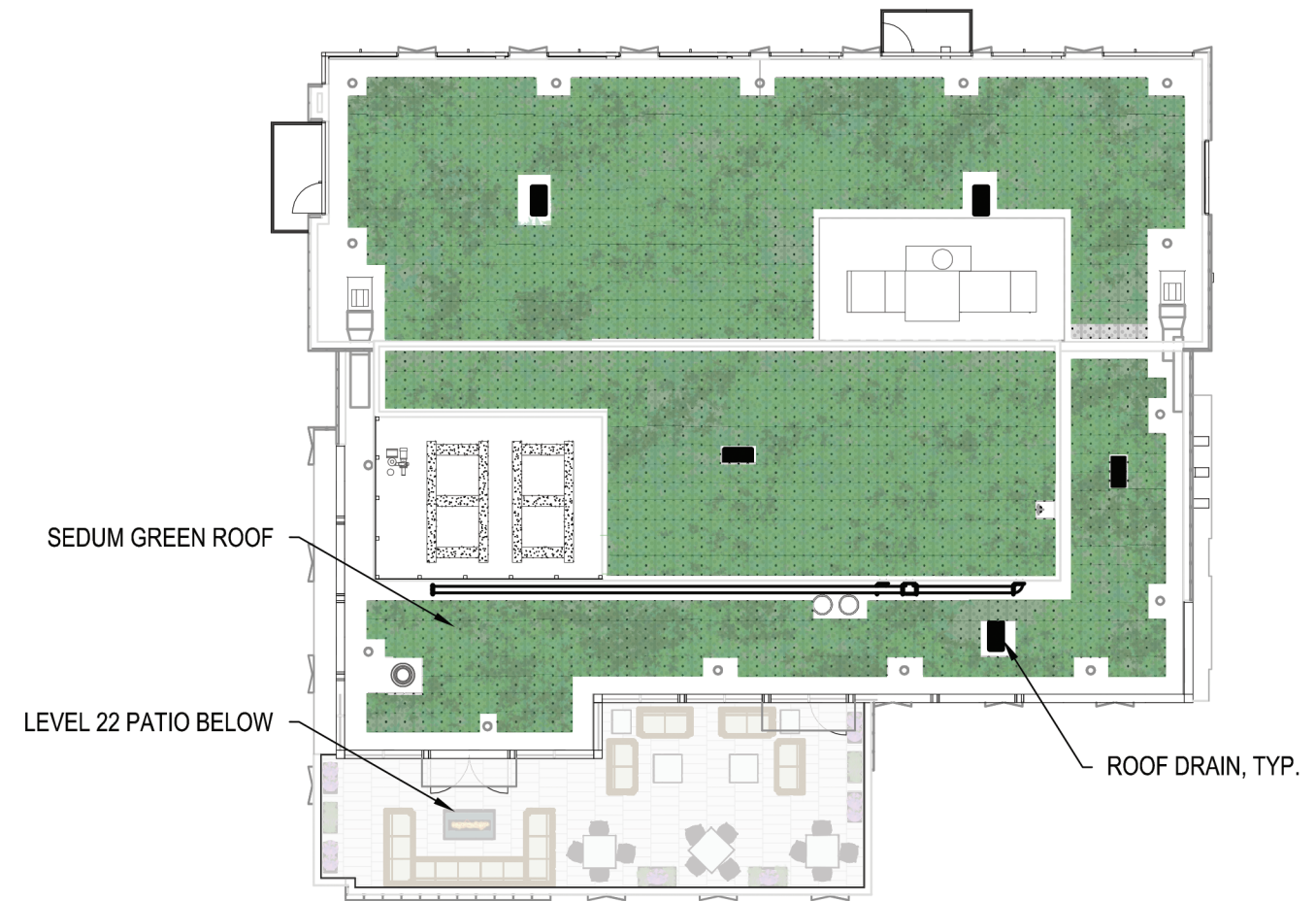
Tuff Stuff

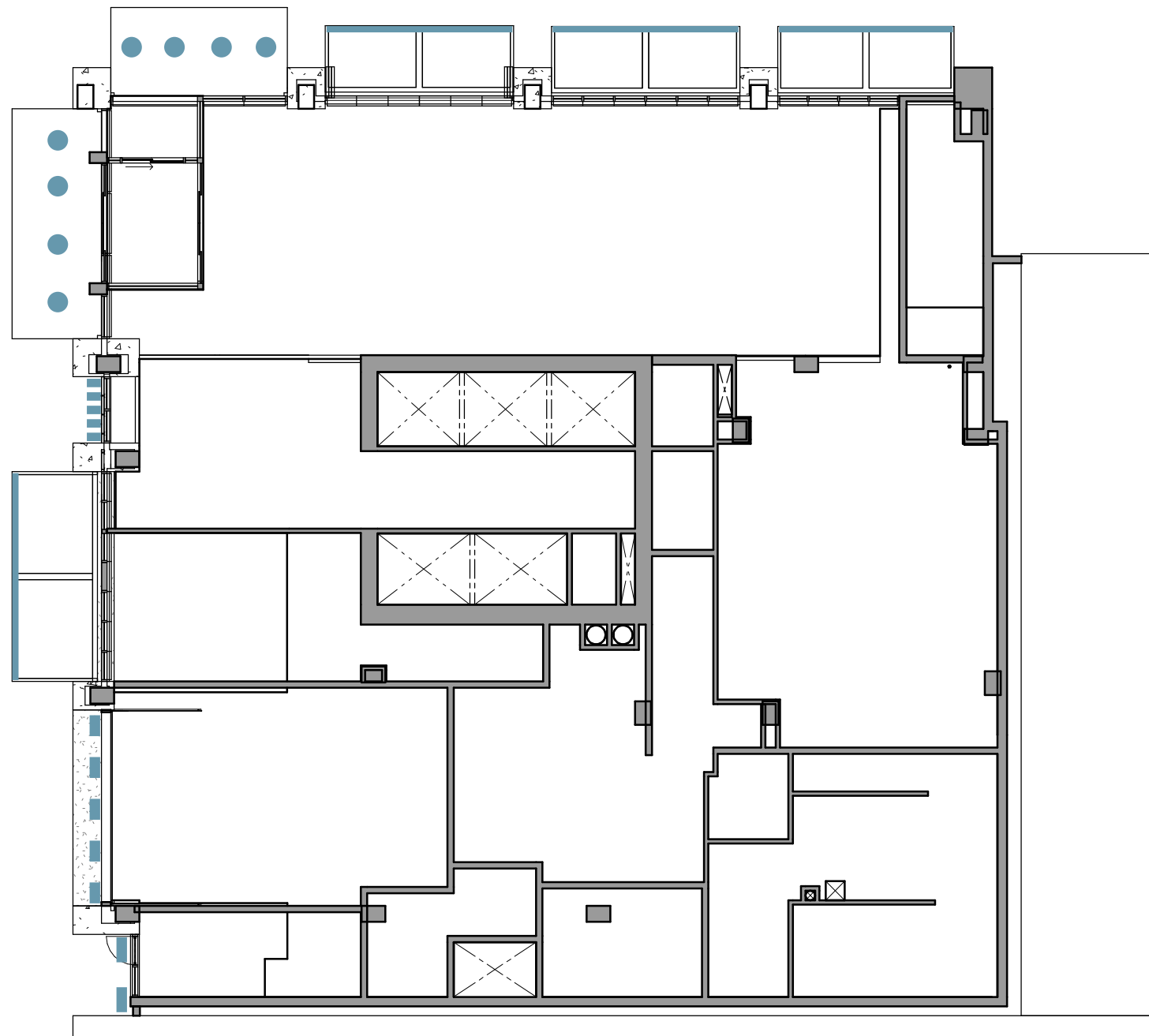
Standard Mix- PL4400

The Sedums in Tuff Stuff are the toughest, most durable, most drought resistant choices available. They have proven ability to survive wind, cold, heat, drought, and tough environments that limit plant choices. Each Tuff Stuff tile includes 6 - 8 of the listed varieties.

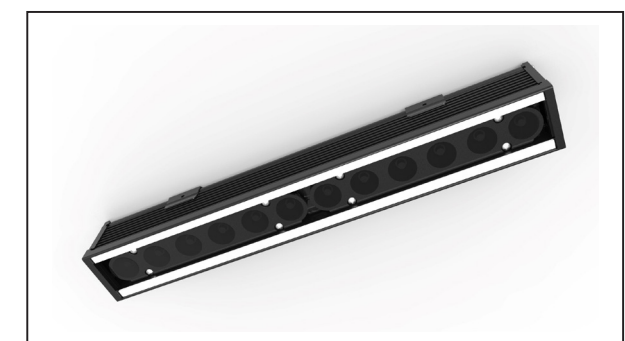
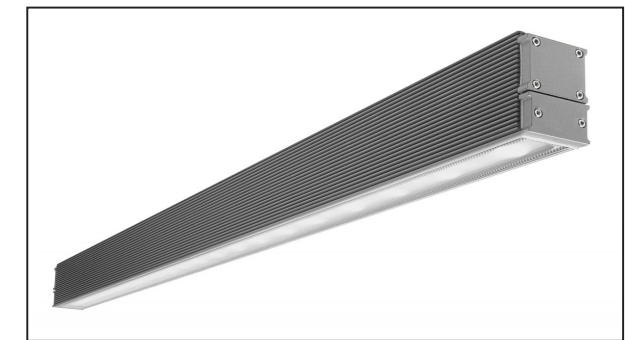
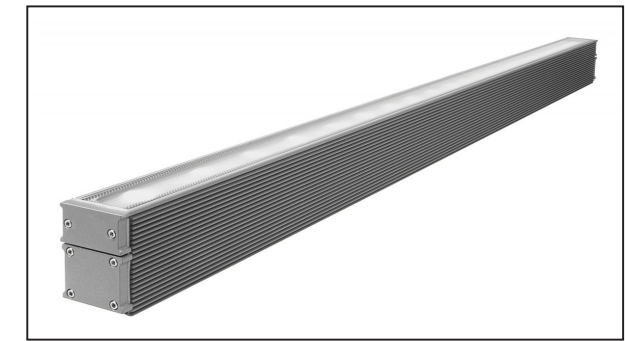


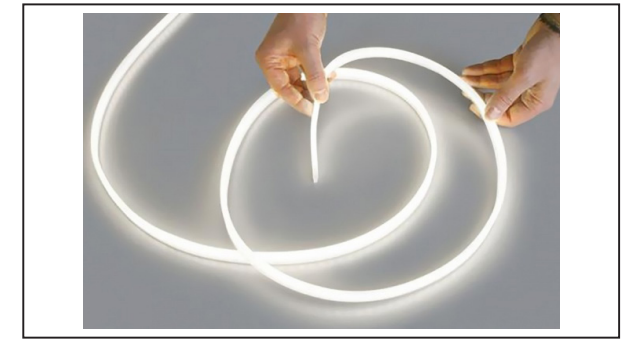
Plant Name	Flower Time	Flower Color	Winter Interest	Zone	Soil Depth	Mature Height	Width
<i>Sedum album</i> 'Coral Carpet'	Mid Summer	White	Yes	4-8	3-4"	.5-1"	6-8"
<i>Sedum cauticolom</i>	Mid Summer	Pink	No	3-7	3-4"	3-6"	10-12"
<i>Sedum ellacombianum</i>	Early Summer	Yellow	No	3-7	3-4"	3-5"	12-15"
<i>Sedum hybridum</i> 'Czar's Gold'	Mid Summer	Yellow	Yes	4-7	3-4"	5-6"	6-8"
<i>Sedum kamtschaticum</i>	Early Summer	Yellow	Yes	4-7	3-4"	5-6"	6-8"
<i>Sedum middendorffianum diffusum</i>	Mid Summer	Yellow	Yes	5-8	3-4"	3-4"	6-8"
<i>Sedum rupestre</i>	Mid Summer	Yellow	Yes	4-7	3-4"	4-6"	8-12"
<i>Sedum sexangulare</i>	Mid Summer	Yellow	Yes	4-7	3-4"	3-4"	6-8"
<i>Sedum spurium</i> sp.	Mid Summer	Pink	Yes	4-7	3-4"	4-6"	6-8"
<i>Sedum spurium</i> 'Roseum'	Early Summer	Pink	Yes	4-7	3-4"	4-6"	6-8"
<i>Sedum spurium</i> 'Voodoo'	Summer thru Fall	Rose	Yes	4-8	3-4"	4-6"	6-8"
<i>Sedum stefco</i>	Late Summer	White	Yes	5-8	3-4"	1-2"	6-8"

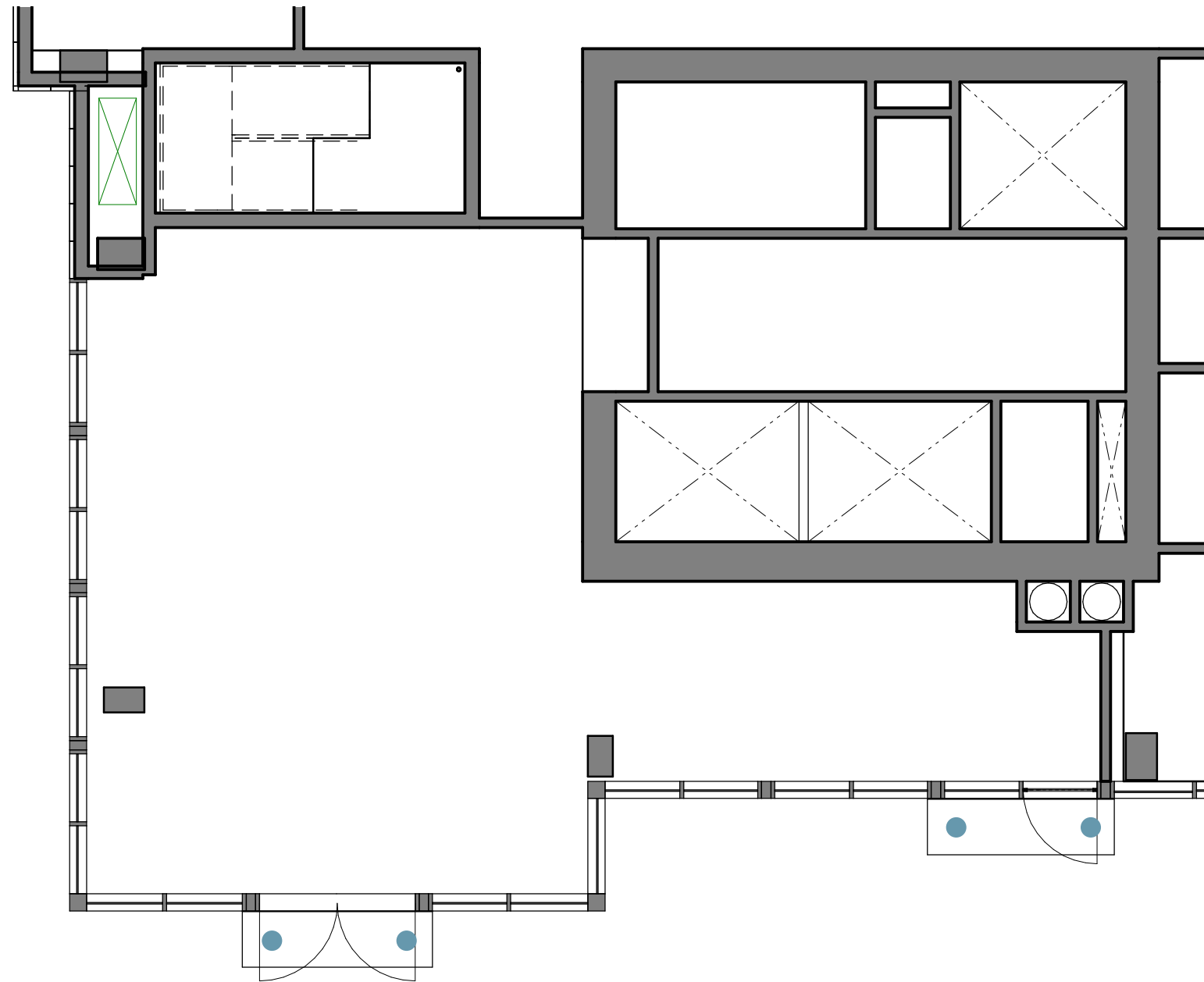




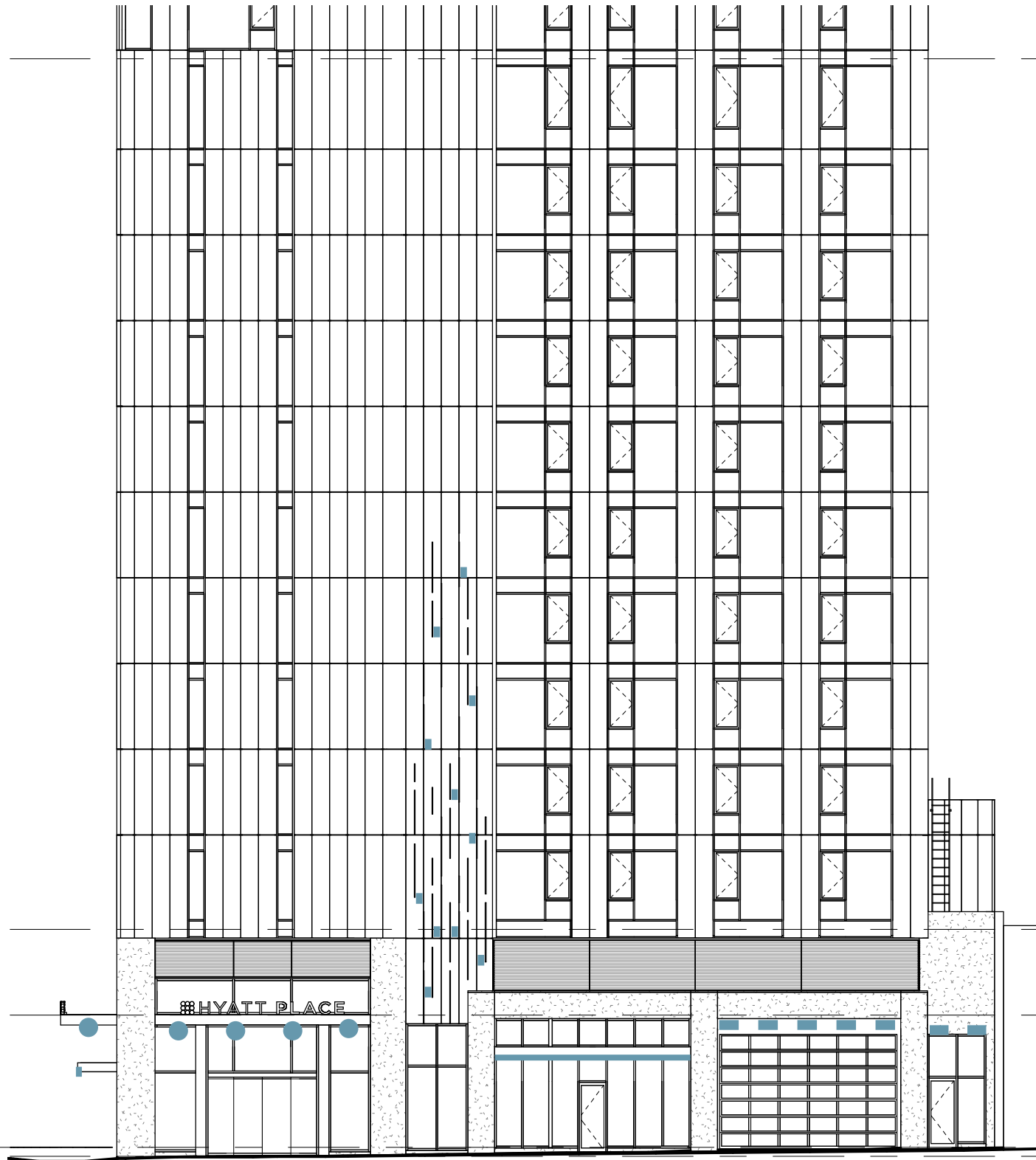
1 RCP - LEVEL 1
1/16" = 1'-0"



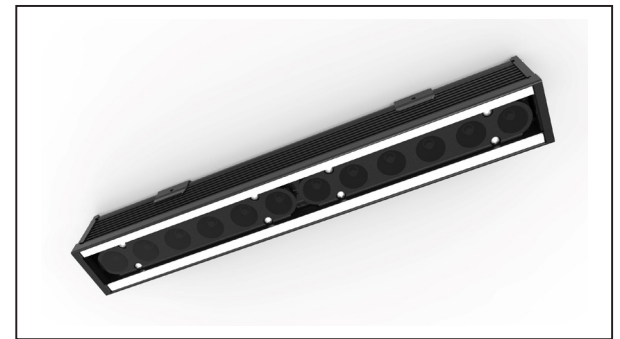
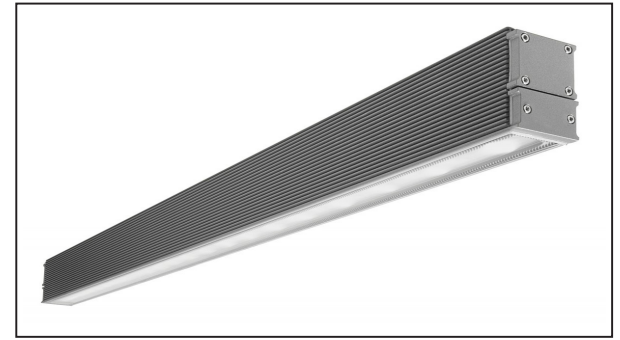
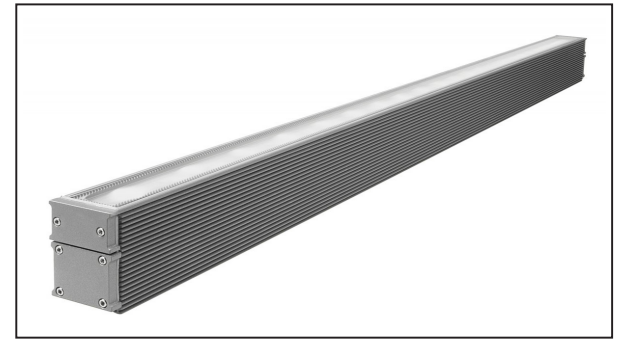
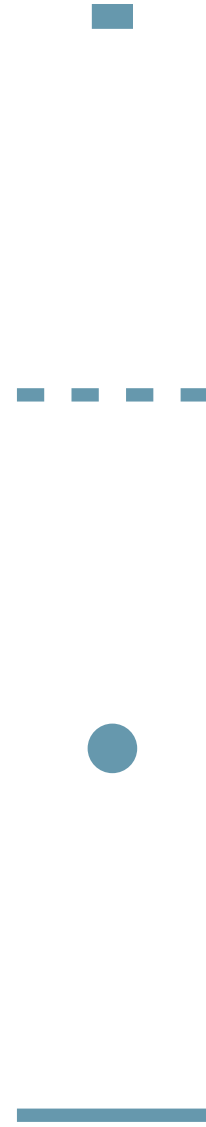


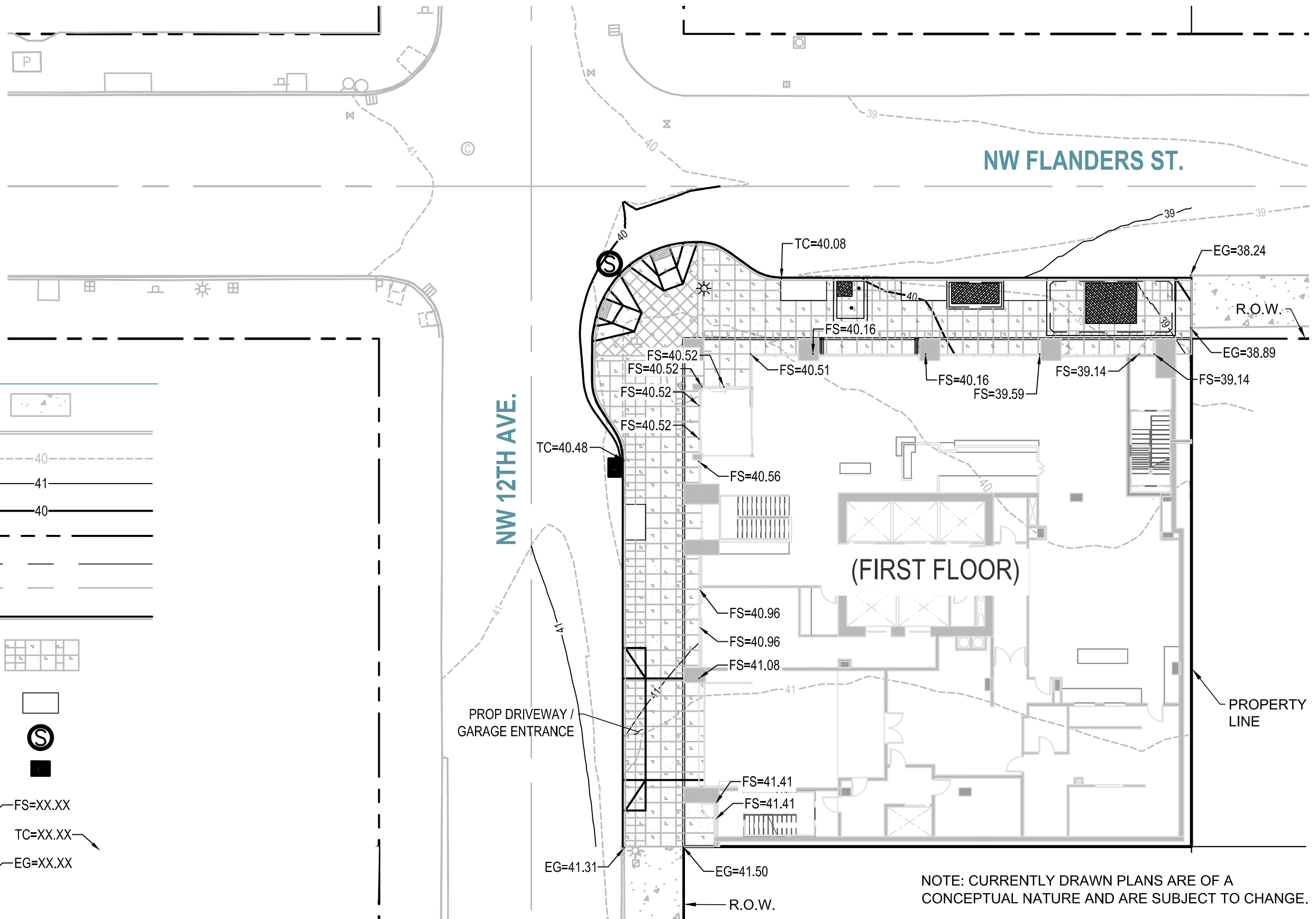


1 RCP- LEVEL 22
1/8" = 1'-0"



1 LIGHTING WEST ELEVATION
1/16" = 1'-0"





LEGEND

- EXISTING WALK
- EXISTING CURB
- EXISTING CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR
- RIGHT OF WAY
- LOT LINE
- STREET CENTER LINE
- PROPOSED CURB LINE
- PROPOSED SIDEWALK W/ SCORING
- PROPOSED TREE WELL
- PROPOSED CATCHBASIN
- PROPOSED COMBINED SEWER MANHOLE
- FINISHED SURFACE ELEVATION
- PROPOSED TOP OF CURB
- EXISTING GRADE ELEVATION

NOTE: CURRENTLY DRAWN PLANS ARE OF A CONCEPTUAL NATURE AND ARE SUBJECT TO CHANGE.

Metal Composite Panel Solutions

Larson by Alucol® ACM and MCM

Larson by Alucol® FR Aluminium Composite Material (ACM) panels are a fire-resistant wall cladding product for architectural building façades. It is continuous process manufactured utilizing two coil coated aluminum sheets of 3000 or 5000 series alloy which are permanently bonded to a mineral filled fire retardant (FR) core. Products are fully tested and certified per building codes in North America to standards including ASTM E119, ASTM E84, NFPA 285, CAN S101, CAN S102, and CAN S134. All manufacturing processes and raw materials are audited by a 3rd part verification laboratory of record.

Larson by Alucol® PE ACM utilizes a polyethylene thermos-plastic resin (PE) core. This product is ideal for low rise building applications, canopies, signage, and corporate identity design. **Alucol®** does not recommend the use of this product in high rise buildings as limited by national and local building codes specific to each location.



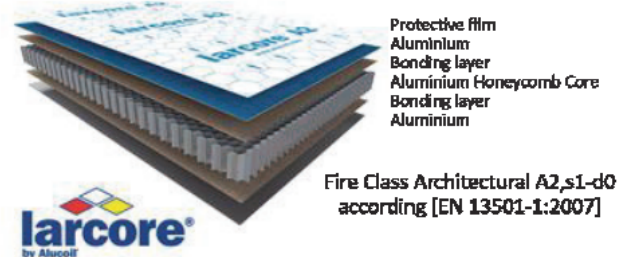
Matching Flat Sheet

Alucol globally offers 0.040" / 1mm thick flat sheet in matching colors to most North American standard colors to allow easy integration of ACM with trim and coping.

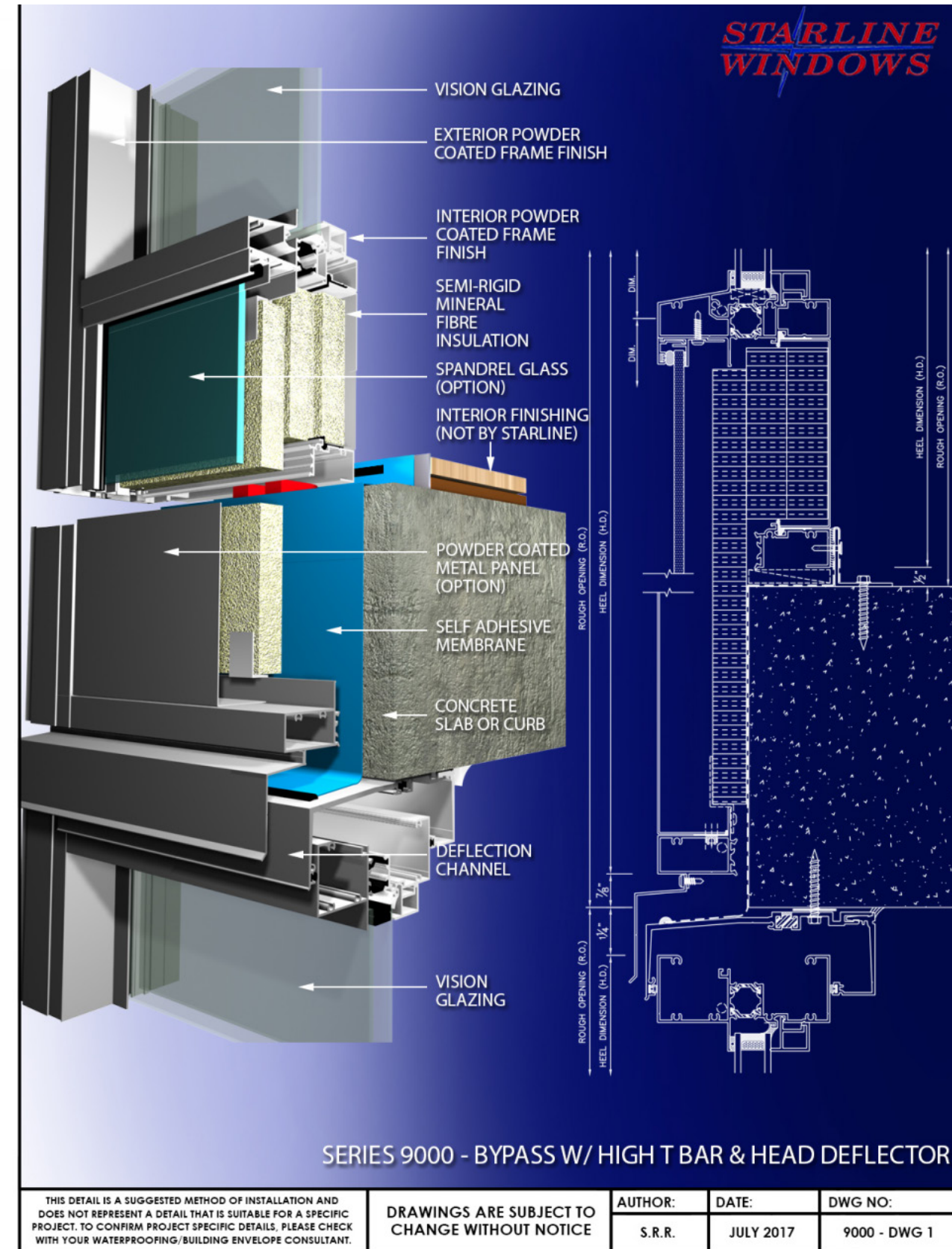
Larcore® Aluminum Honeycomb Panels

Larcore® is a continuous process manufactured aluminum composite honeycomb panel ideal for spandrel in-fill panels between curtain wall mullions. It is available in:

- Standard 1" and 3/4" thicknesses with possibilities from 3/4" to 1-3/16" (6mm to 30mm)
- Widths from 49.2" to 78.75" / 1250mm to 2000mm
- Custom lengths from up to 60' to 242' / 1525mm to 6147mm



Larcore® for use on outdoor building façades must be installed with the **HideTech® Plus** system certified with ETE / ETA (double edging and perimeter riveting) or with system adequate for water-tight panel requirements.



C.R. Laurence Co., Inc.
Connecting the World to Everything Glass

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What's New

CRL Blumcraft® RG450 Series Two Piece Fascia Mount Base Shoe for 1/2" Glass

CLICK HERE TO VIEW MORE CHOICES

CRL-Blumcraft® Satin Anodized RG450 Series Two Piece Fascia Mount Base Shoe - 6" Sample

TECHNICAL DETAILS | 3-PART SPEC | CAN SHIP UPS

WARNING ADVERTENCIA AVERTISSEMENT

View Larger Image

Catalog Number: **RG450SAPK**
Finish: **SATIN ANODIZED**

Other Products/Finishes:

CATALOG NUMBER	DESCRIPTION	COLOR
RG450DU	CRL-Blumcraft® Dark Bronze Anodized RG450 Series Two Piece Fascia Mount Base Shoe	
RG450MCA	CRL-Blumcraft® Mill Clear Anodized RG450 Series Two Piece Fascia Mount Base Shoe	
RG450SA	CRL-Blumcraft® Satin Anodized RG450 Series Two Piece Fascia Mount Base Shoe	
RG450SAPK	CRL-Blumcraft® Satin Anodized RG450 Series Two Piece Fascia Mount Base Shoe - 6" Sample	

More Details:

Catalog Number: **RG450SAPK**

Also Available: This Item is Not Yet Shown in Any Printed Catalog.

These Catalogs:

Color: Satin Anodized

Hole Size: 13/32" (10.3 mm)

Counter Bore x Depth: 5/8" x 1/4" 12" (305 mm)

Center-to-Center:

Ship Via: Can Ship UPS

Shipping Weight: 3 lb (1.36kg)

Additional Product Information:
GLASS SPECIFICATIONS: 1/2" (12 mm) Thick Glass using Wet Glaze System. Tempered Glass: Shall be 1/2" (12 mm) thick safety glass meeting the requirements of ANSI Standard Z97.1 for Safety Glazing Materials and Consumer Product Safety Commission Standard 16 CFR 1201 Categories 1 and 2.

SHIPPING NOTE: Due to the difficulty in packaging and handling 144" (3.65 m) stock lengths, it is suggested that you take delivery of these at any of our distribution centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.

Important Notes:
NOTE: Use only SHCS38X112 Socket Head Screw with this channel.

Most shipping weights are approximate and have not been verified. If the exact weight is needed in order to determine shipping costs, and shipping costs are required in order for you to complete your order, please request this prior to submitting your order by contacting [CRL Customer Service](#). Product images shown are of the actual product or a close representation. Colors can vary depending on your computer's video card and on how your monitor's color is adjusted.

Related Items:

Industrial Louvers, Inc.

MODEL 155-45

STANDARD CONSTRUCTION

- Material:** Extruded Aluminum 6063-T6
- Frame:** 1.5" (38mm) deep, .063" (1.6mm) nominal wall thickness
- Blades:** 1.5" (38mm) deep, .063" (1.6mm) nominal wall thickness
- Blade Spacing:** 1.813" (46mm) on center
- Finish:** Mill

OPTIONAL ACCESSORIES

- Screen: 1/2" x .063" flattened expanded bird screen and/or mesh charcoal insect screen
- Extended Sill Flashing
- Insulated and Non-insulated Blank-off Panels
- Flanged & Glazing Frames of various sizes
- Hinged Access Panels
- Sub-frames
- Visible Mullions
- Invisible Mullions for continuous blade appearance

FINISHES

- 2 coat Fluoropolymer:** Kynar® 500 / custom colors available in 70% PVDF (AAMA 2605). Living Building Challenge (LBC) Red List Free.
- 3 coat Fluoropolymer:** Kynar 500 / Hylar 5000 custom colors available in 70% PVDF (AAMA 2605). LBC Red List Free.
- Anodic finishes:** Class I and Class II in Clear, Light/Medium/Dark Bronze, Champagne, and Black.
- Prime coat**

Visible Vertical Mullion | **Invisible Vertical Mullion**

Vertical Section | **Plan View**

Qty.	Size:		M.O. <input type="checkbox"/>	Mullion Type	No. of Sections	Notes
	Width	Height				
<input type="checkbox"/>	Sill flashing:		Project:			
<input type="checkbox"/>	Screen:		Location:			
<input type="checkbox"/>	Finish:		Architect:			
<input type="checkbox"/>	Color:		Representative:			
<input type="checkbox"/>	Other:		Date:		Job #:	

www.industriallouvers.com
ilinfo@industriallouvers.com

511 South 7th Street, Delano MN 55328
Tel: +1.763.972.2981 • Fax: +1.763.972.2911

G3 FOLDING GLASS WALLS



G3 Thermal System

G3 Aluminum Folding Glass Wall Systems are designed for commercial and residential applications that require higher design pressures. This system has been designed to support larger sizes with ease of operation and offers exceptional air, water, structural, and thermal performance. The frame uses a thermal strut system that separates the interior metal from the exterior metal. By including this thermal break, the temperature transfer between the outdoors and indoors is limited.

Frames are available in three vertical stile widths: standard, narrow, and xtra narrow. You can select a consistent vertical width or mix and match the three stile widths to create a truly unique product. This system was created with similar sightlines to the G2 systems so that the two could be used together if desired. The flexibility of both systems allows multiple sightline and bottom rail configurations that can be retrofitted to match an existing opening or accommodate specific structural requirements.

G3 Nonthermal System

The G3 nonthermal system is ideal for applications that do not require thermal performance, including mild climates and indoor uses—this system is popular for interior entryways and room dividers.

G3 Marine Glazed System

Our G3 Extra Narrow Marine Glazed Folding Glass Wall System uses a patented design to combine vertical marine glazing with horizontal stop glazing in order to create a much narrower vertical frame than conventional stop glazed doors. The G3 Extra Narrow Marine Glazed System is the narrowest four-sided thermally broken glazed bi-fold door in the market.



Panels

- Minimum panel width: 24"; smaller panels may be available based upon engineering
- Panel size up to 3' x 15'; larger panel options may be available depending on application

Glazing

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ¼" to 1½"

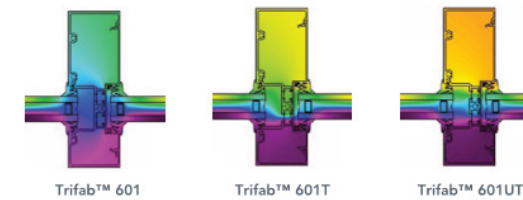
Performance

- Water performance up to 12psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 100psf
- Higher water and structural performance available with engineering approval
- Test results available upon request

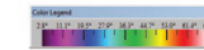
Performance does not apply to G3 Marine Glazed System.

solarinnovations.com | 800 618 0669 | 31 Roberts Road, Pine Grove, PA 17963 | Rev 2.8.19

Trifab™ 601/601T/601UT Framing System is perfect for projects where an economical alternative to a low-rise curtain wall is desired. These systems meet the same high standards that are traditionally found in Kawneer products for air and water infiltration and thermal performance. Trifab™ 601/601T/601UT Framing System also has an HP (High Performance) sill design. The sill attaches to the sill flashing by way of a raceway and eliminates the troublesome blind seal method used on many flashing systems. The HP sill also includes a screw-applied end dam, which ensures positive and tight joints between the sill flashing and end dam.

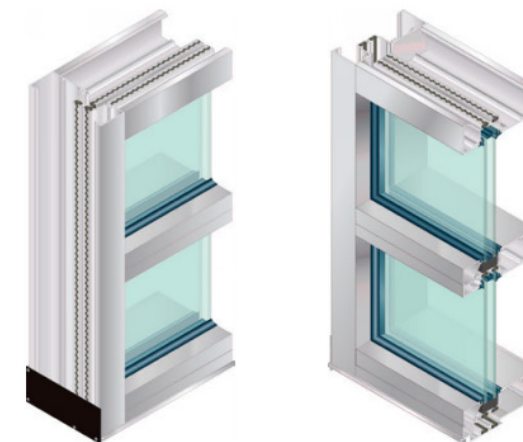


Thermal simulations showing temperature variations from exterior/cold side to interior/warm side.



Performance Test Standards

Air Performance	ASTM E 283
Water Performance	ASTM E 331
Uniform Static Structural	ASTM E 330
Sound Transmission Class (STC)	AAMA 1801 and in accordance with ASTM E 1425
Condensation Resistance (CRF)	AAMA 1503 and CAN/CSA-A440
Thermal Transmittance (U-Value)	AAMA 1503.1
U-Value Simulations for Other Glazing Options	AAMA 507, NFRC 100, NFRC 200, NFRC 500 and CAN/CSA-A440.2



Kawneer Company, Inc.
Technology Park / Atlanta
555 Guthridge Court
Norcross, GA 30092

kawneer.com
770 . 449 . 5555

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Fabrication and Installation

Trifab™ 601/601T/601UT Framing System employs screw spline joinery construction for efficient fabrication and installation. This construction method provides quality joinery and allows for shop-controlled fabrication and assembly, which leads to smaller field crews and less installation time. The framing can be specified for glazing from either the inside or outside. Inside glazing can help reduce field labor costs by eliminating the need for exterior scaffolding or swing stages for installation on floors above the ground level. In addition, the frames have a two-piece receptor option that easily accommodates attachment of air-barrier systems.

Aesthetics and Versatility

Trifab™ 601/601T/601UT Framing System is designed with cost and flexibility in mind. With a 2" x 6" frame profile, the sightline is consistent with current framing systems and the glass pockets are aligned to the 4-1/2"-deep center set Trifab™ framing systems. This allows for a shallow horizontal member that not only lowers overall metal costs, but also provides flexibility to accommodate interior finishes, such as blinds, that can span the full uninterrupted elevation height. The flexibility of the 3-in-1 series provides a pre-designed solution for non-thermal as well as thermal entrances. Framing options include non-thermal and thermally broken door framing members to accommodate 1-3/4"-deep and 2-1/4"-deep entrance doors, an expansion mullion and a two-piece head and jamb receptor. The 6" depth accommodates higher spans than conventional 4-1/2" storefront framing systems, and an optional 2-1/4" wide vertical mullion allows for internal steel reinforcement for projects with greater structural performance requirements.

For the Finishing Touch

Architectural Class I anodized aluminum finishes are available in clear and Permanodic™ color choices.

Painted finishes, including fluoropolymer, that meet AAMA 2605 are offered in many standard choices and an unlimited number of specially designed colors.

Solvent-free powder coatings add the green element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.





Columbia Green Technologies provides the best green roof or amenity deck system for your project, not a one-size-fits-all approach. Our systems maximize plant health, stormwater retention and drainage for a beautiful finished product long term.



BENEFITS OF A GREEN ROOF

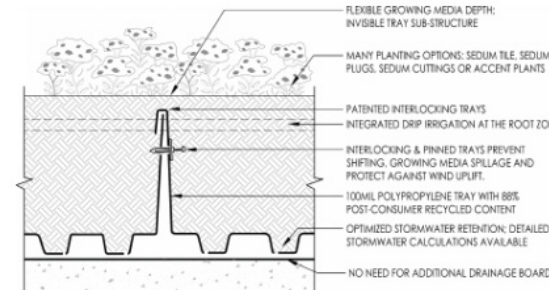
- Reduce the amount of stormwater runoff and delay the time in which runoff occurs- making green roofs a real asset to cities struggling with aging storm and sewer infrastructure
- Green roofs can support a variety of plant types and species, adding biodiversity and providing habitat for pollinator species.
- Provide a protective layer over the roof membrane, at least doubling the life of the roof
- Bring year-round building energy savings by acting as a thermal blanket- green roofs provide cost savings on a building's heating and cooling bills
- Green roofs reduce the air temperature through evapotranspiration, reducing the urban heat island effect
- Create attractive outdoor amenity spaces, increase property values and occupancy rates



TRAY SYSTEMS

Pre-Grown and Planted-in-Place (with optional drip irrigation)

- » Patented interlocking and overlapping tray design
- » Tray designed by landscape architects, stormwater engineers, horticulturists and roofing experts for the unique challenges of the rooftop environment
- » Simple installation- each of the individual functions found in the Layered System is inherent to the tray.
- » Plants can be planted on-site or pre-grown.
- » Tray design maximizes stormwater retention
- » *Integrated drip irrigation* available
- » Soil depth flexibility: from 4-5/8 to 8-inch media depth



Planted in Place System Detail

Pregrown Sedum



Perennials & Shrubs



Plugs



Sedum Cuttings



Why Columbia Green?

- Comprehensive green roof solutions; from Extensive to Intensive
- Layered and Tray-based systems
- Multiple warranty options including Single-Source Warranty provided through our Roofing Partners
- Amenity Decks and Rooftop Gardening
- Stormwater retention calculations custom to your unique project

COLUMBIA GREEN
TECHNOLOGIES
www.columbia-green.com
info@columbia-green.com

Flex Series






FLEX SERIES 1.2FX10-12



FLEX SERIES 1.2FX20-12
FLEX SERIES 1.5FX20-12



FLEX SERIES 1.2FX30-12
FLEX SERIES 1.5FX30-12



FLEX SERIES 1.2FX40-12
FLEX SERIES 1.5FX40-12

FLEXIBILITY TO CREATE STRIKING DESIGNS

Flex Series is a concealed fastener metal wall collection designed to give you flexibility for your next project. Panels are available with a high performance clip, offering unlimited thermal movement while reducing chances of oil canning.

Features and Benefits:

- Available in two panel attachment configurations – a directly attached fastening flange or clip interlocking hem.
- Two clip options enable the panels to be installed flush to the substrate or with a 1/2" standoff.
- Can be used in a rainscreen system.
- Can be installed in vertical and horizontal wall, fascia, and equipment screen applications.
- Custom manufactured lengths from 5'-0" to 20'-0".
- With a 12" coverage, panels are available in 24ga and 22ga in standard colors. Also available in 20ga ZINCALUME® Plus.
- Panels available in a wide variety of Dura Tech™ 5000, Dura Tech™ mx colors, and specialty prints and textures.
- Warranties for chalk, fade, and film integrity are available in durations of up to 30 years.
- ASTM E1592 (wind uplift), ASTM E283 (air infiltration) and ASTM E331 (water infiltration) tested.
- Manufactured in Fontana, CA.



Shown with flush clip



Shown with standoff clip



Shown as direct fastener

Oil Canning : All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.

www.aepspan.com



BIRD FRIENDLY ACID-ETCHED GLASS

GUIDELINES FOR PRODUCT SELECTION AND ORDERING

PRODUCT SELECTION CRITERIA

Walker Textures® full surface and *AviProtek*® patterned acid-etched glass products provide bird collision deterrence properties in exterior glazing applications.

Product selection should be based on design intent and type of application in conjunction with the performance data outlined below.

The *Walker Textures*® bird friendly program offers 3 different options:

- AviProtek®** : Acid-etched markers on the outside surface
- AviProtek® E** : Acid-etched markers on the outside surface with **Vitro Glass** solar control Low-E coating on position 2
- AviProtek® T** : Transparent UV markers on the outside surface 1 of the glass

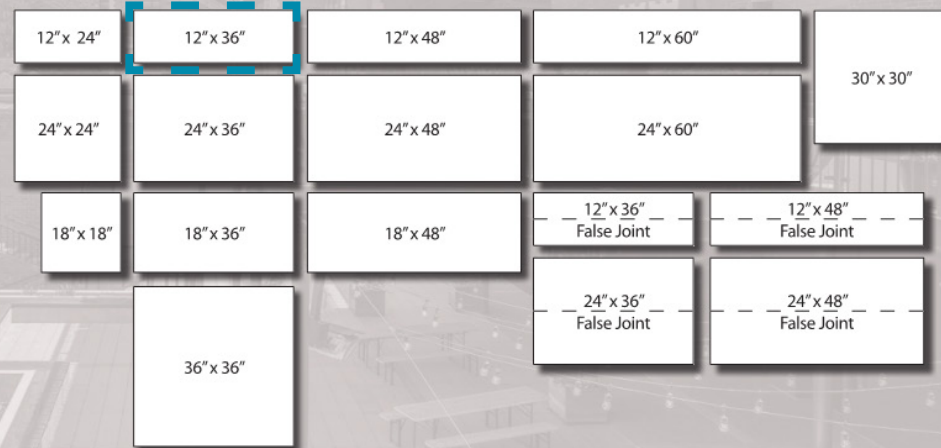
PRODUCT AVAILABILITY				
(Pos. 1)	6mm	No Coating (Pos. 2)	Solarban® 60 VTII (Pos. 2)	Solarban® 70XL VT (Pos. 2)
AviProtek® Acid-etched Patterns 211, 213, 214, 215, 216, 217 Minimum quantity: 1 pack of 4,000 lbs	Clear Glass	X		
	Starphire Ultra-Clear™ Glass	X		
AviProtek® E Acid-etched Patterns 211, 213, 214, 215, 216, 217 Minimum quantity: 1 pack of 4,000 lbs	Clear Glass		X	X
	Starphire Ultra-Clear™ Glass		X	
	Solargray Glass		X	X
	Solarbronze Glass		X	X
AviProtek® T Transparent UV Markers (patterns 713,714) Minimum quantity: 1 pack of 4,000 lbs	Clear Glass	X		
	Pilkington Optiwhite™	X		

AviProtek® with Solarban® glass products are only available from members of the Vitro Certified™ Network.
 Product available in full pack quantity, in standard dimension of 96" x 130", subject to certain conditions
 Other thicknesses available on demand, subject to minimum quantity
 Custom patterns meeting bird friendly standards are available on demand (except AviProtek® T)
Walker Textures® product availability is subject to change without notice

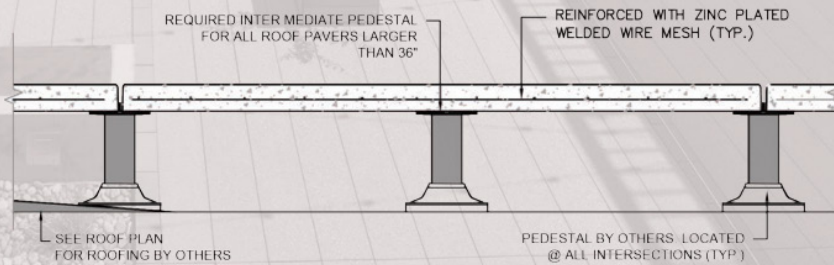
November 2018

Walker Glass Company Ltd.
 9551, Ray-Lawson Blvd, Montreal (Quebec) H1J 1L5 · Fax: (514) 351-3010
 Tel: (514) 352-3030 / 1 888 320-3030 · Email: textures@walkerglass.com · www.walkerglass.com

Large Scale CalArc Pedestal Set Pavers



SHORT FORM SPECIFICATION	
Sizes: All sizes are 2 1/2" thick; All sizes are nominal.	
Material: 5,000 PSI Hardrock Concrete, Type III Cement	
Reinforced with Zinc-Plated Welded Wire Mesh	
Finishes: Sandblast & Exposed Aggregate	
See Roof Paver Details for more information; visit stepstoneinc.com	

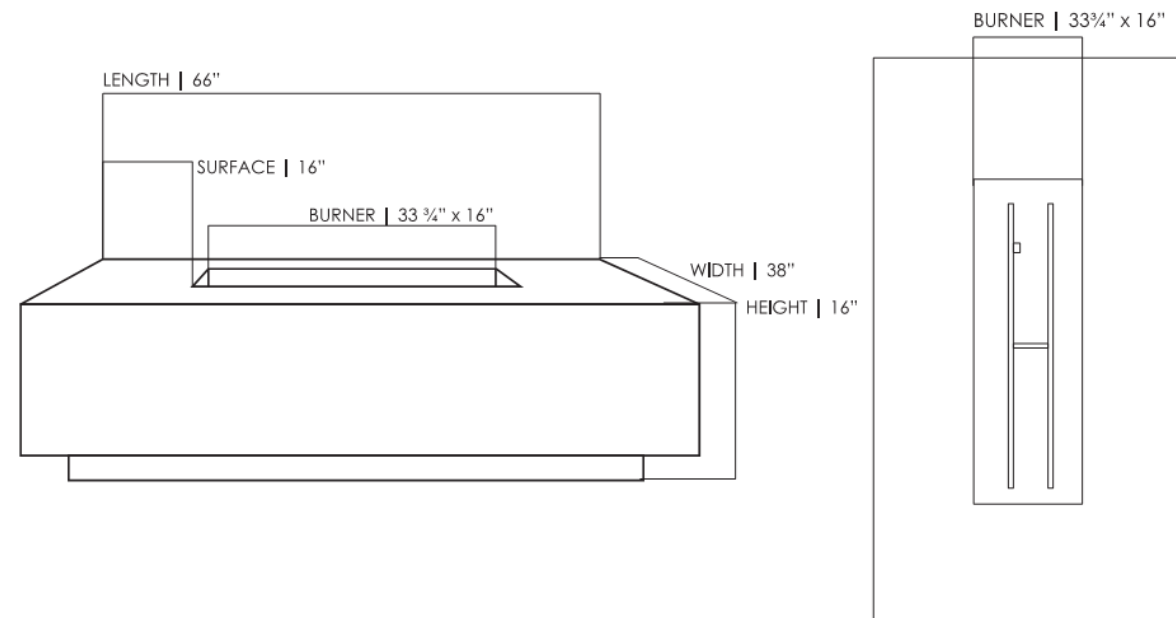


Stepstone proudly distributes the Bison IP pedestal system.



Stepstone strongly recommends that you make your color selection using actual color concrete samples.

SECTION 3: DIMENSIONS & DIAGRAMS



SPECIFICATIONS

Width	38"
Length	66"
Height	16"
Surface	16" / 11"
Burner Plate Size	33 3/4" x 16" / 65,000 BTU
Weight	500 lbs.
Fuel Source	LP or NG
Ignition	Electric Ignition
Materials	Glass fiber reinforced cement

SECTION 4: PARTS LIST

PARTS LIST

PART NO.	PART NAME	QTY.
01	24" x 5" - "H" Burner	1
02	33 3/4" x 16" Burner Plate	1
03	65,000 BTU Orifice	1
04	3/8" Male flared fitting	1
05	3/8" Flex line hose	1
06	Electric Ignition Panel	1
07	66"L x 38"W x 16"H Fire Table	1
08	Lava Rock	50 LBS
09	LP MODEL ONLY	
	3/8" Propane Hose 12ft	1
10	65,000 BTU LP Regulator	1

TOOLS REQUIRED

- Gloves
- Screw Gun with #2 phillips head tip to remove packaging.
- Box cutter to cut bands & miscellaneous plastic.
- Cresesnt wrench to attach gas line.

COOLING TOWER LOCATED AT LEVEL ROOF

UNIT	CLOSED CIRCUIT COOLER	EVAPCO, INC.	DWG. #	WB3041206-DRE-ST	REV.	
MODEL #	eco-ATWB 4-3E12		SERIAL #		DATE	1/30/2019
SCALE	NTS					

NOTES:
 1. (M) - FAN MOTOR LOCATION
 2. HEAVIEST SECTION IS UPPER SECTION
 3. MPT DENOTES MALE PIPE THREAD
 FPT DENOTES FEMALE PIPE THREAD
 BFV DENOTES BEVELED FOR WELDING
 GVD DENOTES GROOVED
 FLD DENOTES FLANGE
 PE DENOTES PLAIN END
 4. UNIT WEIGHT DOES NOT INCLUDE ACCESSORIES (SEE ACCESSORY DRAWINGS)
 5. MAKE-UP WATER PRESSURE 20 psi MIN [137 kPa], 50 psi MAX [344 kPa]
 6. APPROXIMATE DIMENSIONS DO NOT USE FOR PRE-FABRICATION OF CONNECTING PIPING
 7. 3/4" (19mm) DIA. MOUNTING HOLES. REFER TO RECOMMENDED STEEL SUPPORT DRAWING.
 8. DIMENSIONS LISTED AS FOLLOWS:
 ENGLISH FT-IN
 METRIC [mm]

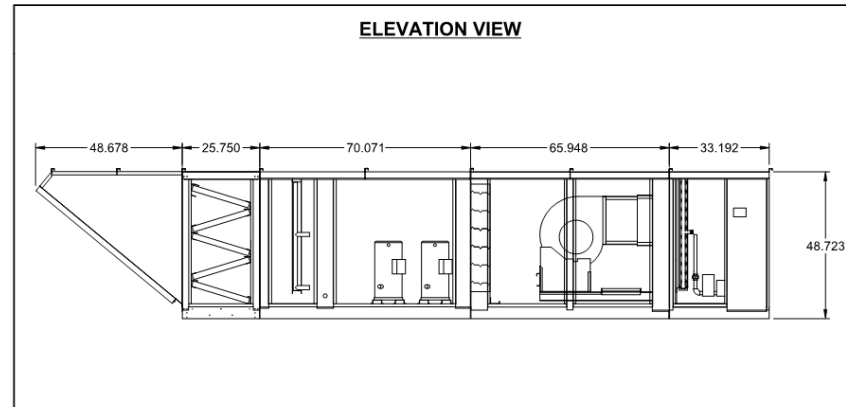
SHIPPING WEIGHT	5760 lbs+ [2615] kg+	OPERATING WEIGHT	8660 lbs+ [3930] kg+	HEAVIEST SECTION WEIGHT	4940 lbs+ [2245] kg+	NO. OF SHIPPING SECTIONS	2	DRAWN BY:	CAF
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Spectrum Version: 2.2019.124.2 Page 2 of 5 January 30, 2019

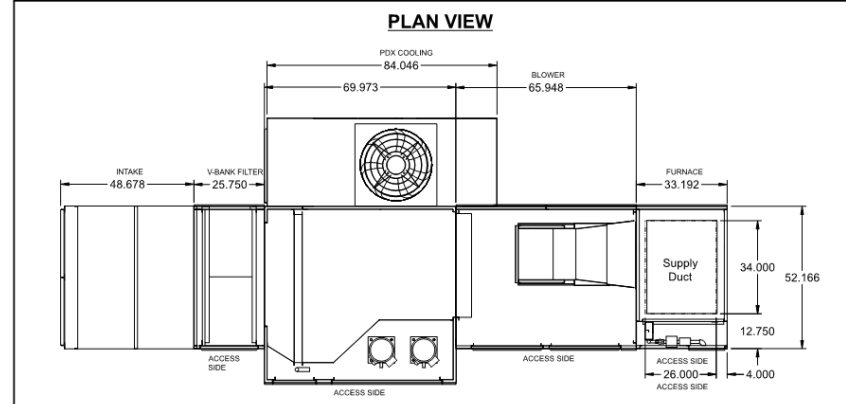
AIR HANDLER UNIT LOCATED AT LEVEL ROOF



Printed Date: 01/30/2019
 Mark: MAU-R-1 Packaged MAU VAV
 Model: IGX-115-H32-10-L



Notes - Elevation View
 Standard configuration for unit access is on the right-hand side, when looking into the unit intake in the direction of airflow.
 Order of unit sections is from intake of unit to discharge of unit.
 Sections included on this unit: Weatherhood Section, Filter Section, Cooling Section, Blower Section, Furnace 1 Section
 Insulation: Duct Liner, from Cooling Section through end of unit.



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

CAPS 4.28.1746

Generated by: mmorrison@johnsonair.com
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EXHAUST FAN LOCATED AT LEVEL 02 + ROOF

	Tag:
	Project: HYATT PLACE
	Office: DDK Ventilation Product Preparer: Jason Coard
	Version: 2014.0.433 Date: 03/01/2019

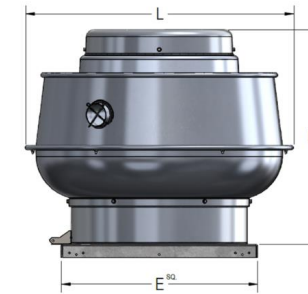


FX16B

Roof Mounted Upblast Spun Aluminum Exhaust Fan

Quantity: 1
 Special: None

Dimensions

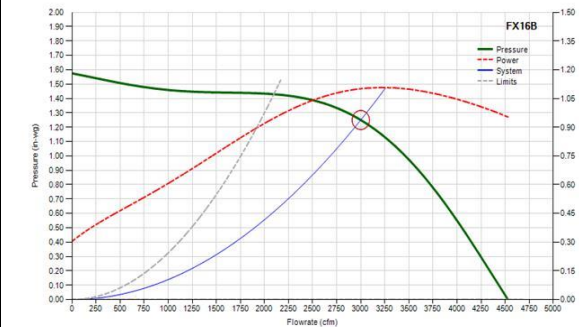


- Standard Construction Features**
- Weatherproof Housing
 - Heavy Gauge Spun Aluminum Construction
 - Aluminum Centrifugal Fan Wheels, Statically & Dynamically balanced
 - Spark-resistant, Non-overloading
 - Aluminum spun venturis
 - Continuous Duty Motors
 - AMCA Licensed Ratings Seal for Air & Sound Performance (FX)
 - UL and cUL Listed

- Accessories**
- Application: E - Exhaust
 Drive Type: B - Belt
 Efficiency: P - Premium
 Construction Accessories: A - Aluminum Curb Cap (STD)
 Guard/Screen: 0 - None
 Damper Type: AN - Alum Parallel Blade Damper
 Drive Kit Option: A - Adjustable Drive Kit

Unit Size	E	H	L	Weight
16	28.5	31	39	144

Performance



Operating Point	
Volume (CFM)	3000
Static Pressure (in. wg)	1.25
Fan RPM	1133
Horse Power (BHP)	1.202
Elevation (ft)	0
Temperature (°F)	70
Drive Loss (%)	9

Motor Information	
Motor HP	1.5 HP
Volt/Ph/Hz	208V/3PH/60HZ
Enclosure	3 - ODP w/Overload
NEC FLA*	6.6
Weight+ (lbs)	35

* NEC FLA - based on tables 430.248 or 430.250 of National Electrical Code 2014. Actual motor FLA may vary depending on motor manufacturer.
 + Motor weight may vary depending on supplier