

HYATT PLACE | TYPE III DESIGN REVIEW

DECEMBER 5, 2019 | PROJECT 18177 | LU 19-145295 DZM

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APPENDIX

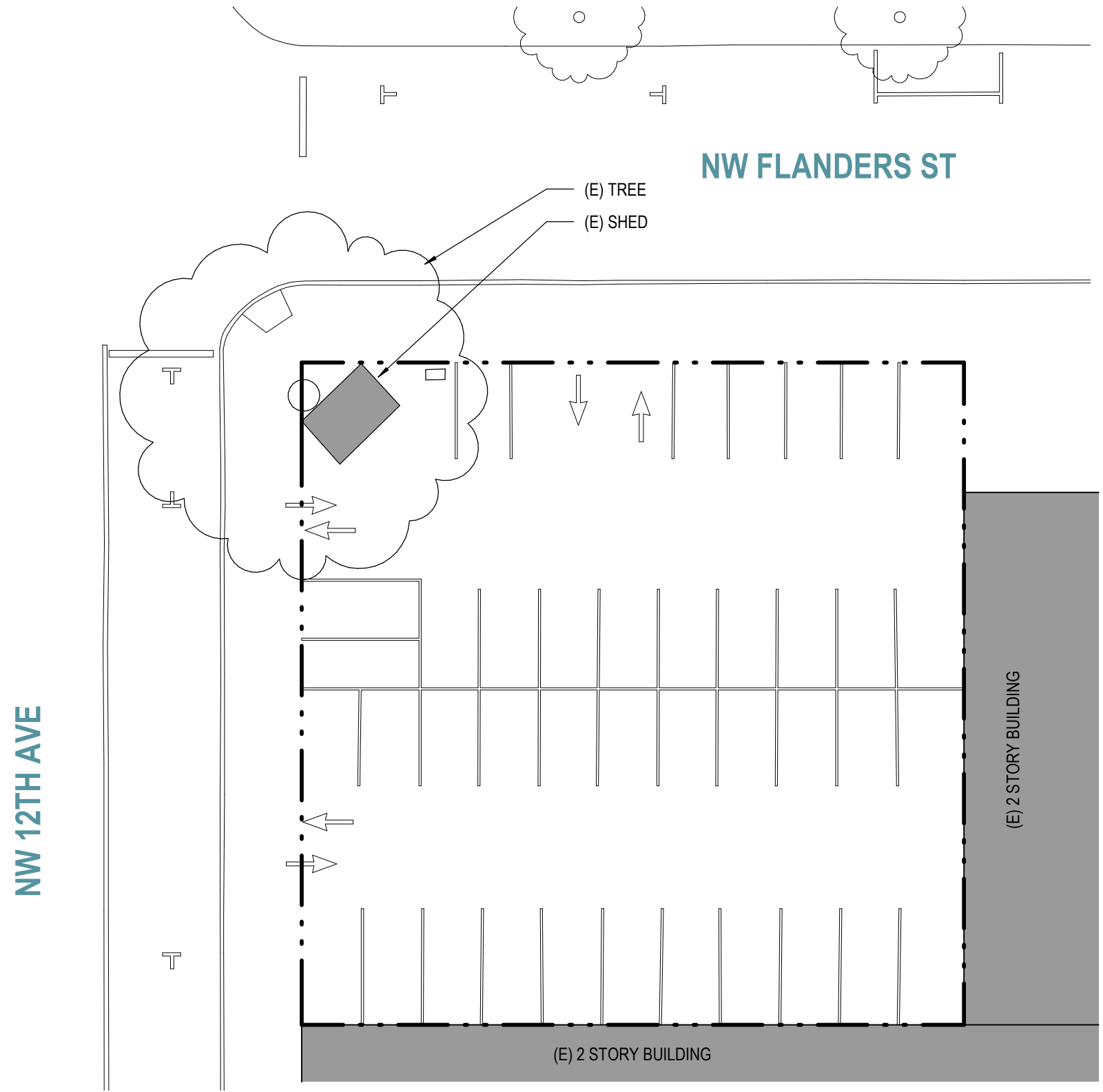
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APPENDIX (CONT.)

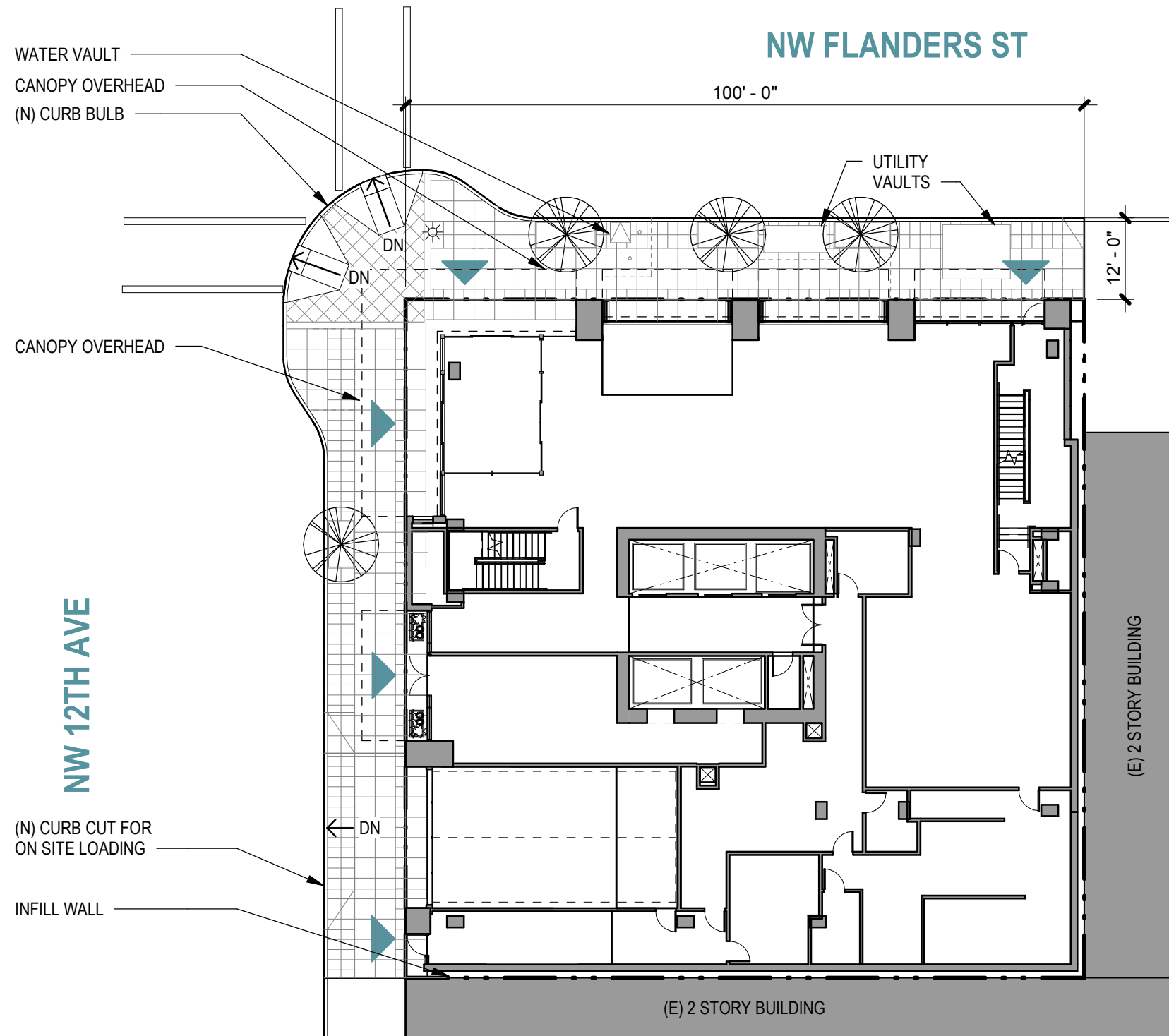
- APP.20 ART + WATER FEATURE
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PROJECT INFORMATION

TOTAL SITE AREA	10,000 SF (0.23 ACRES)
FAR TOTAL	18.9:1
TOTAL GROSS BUILDING AREA	189,313 SF
HIGHEST ADJACENT GRADE	+41.5' AT SW CORNER
BUILDING HEIGHT	250'-0" MAX ALLOWED 249'-0"
NUMBER OF FLOORS	24 ABOVE GRADE, 1 BELOW
NUMBER OF HOTEL UNITS	160
NUMBER OF RESIDENTIAL UNITS	113
OCCUPANCIES	R-1, R-2, B, S-1, A-2, A-3
TYPE OF CONSTRUCTION	IA



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



WATER VAULT
CANOPY OVERHEAD
(N) CURB BULB

NW FLANDERS ST

100' - 0"

UTILITY VAULTS

12' - 0"

CANOPY OVERHEAD

NW 12TH AVE

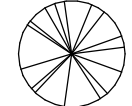

(N) CURB CUT FOR ON SITE LOADING

INFILL WALL

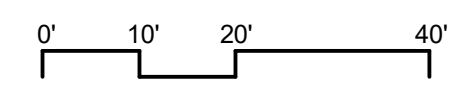
(E) 2 STORY BUILDING

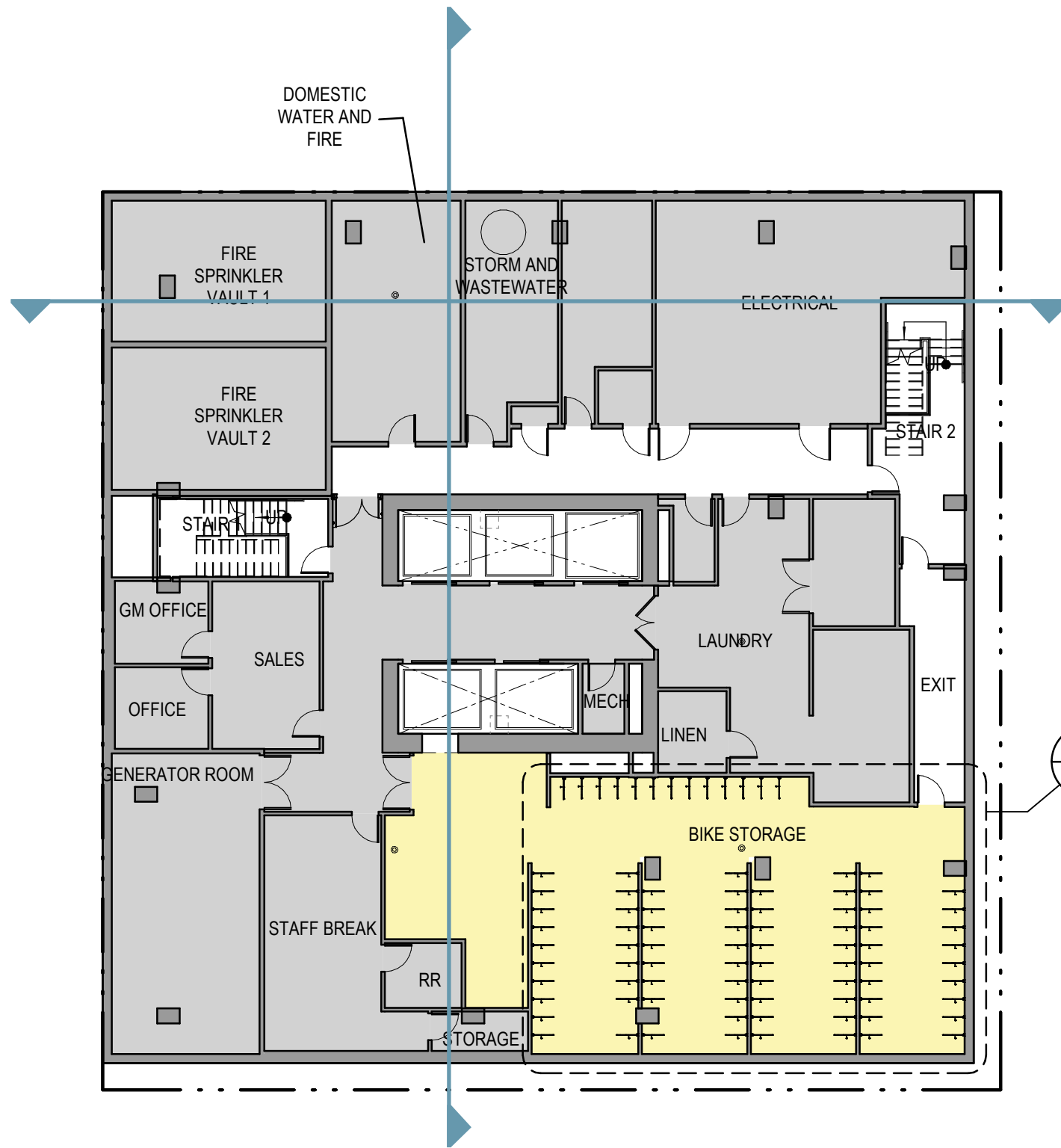
(E) 2 STORY BUILDING

SITE PLAN LEGEND

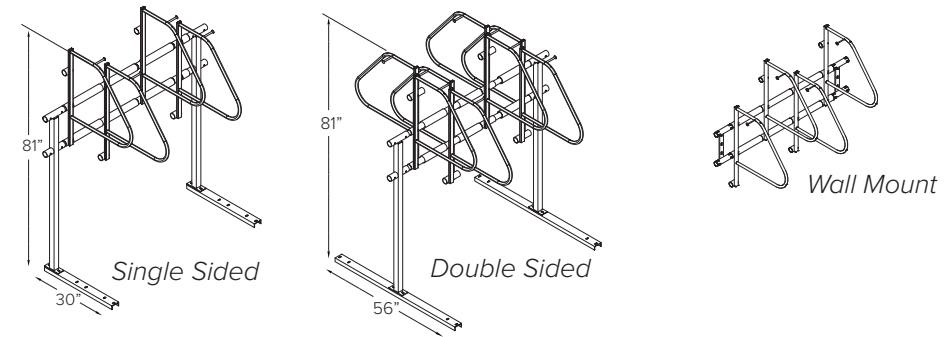
- · · — PROPERTY LINE
-  (N) STREET TREE
-  BUILDING ENTRY

1 SITE PLAN
1" = 20'-0"

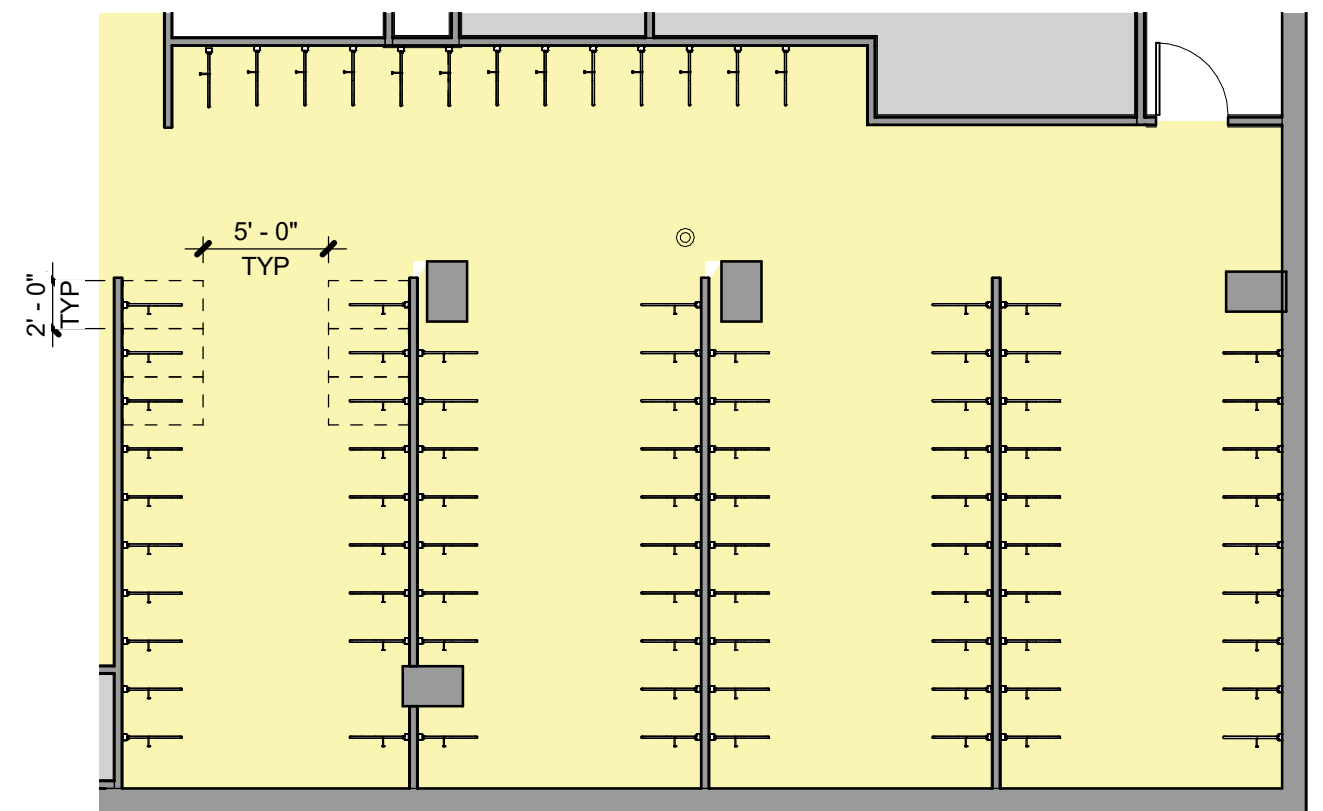




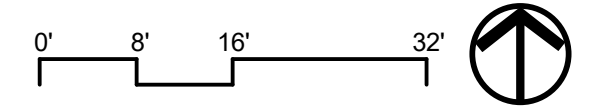
1 LEVEL B1 - PLAN
1/16" = 1'-0"

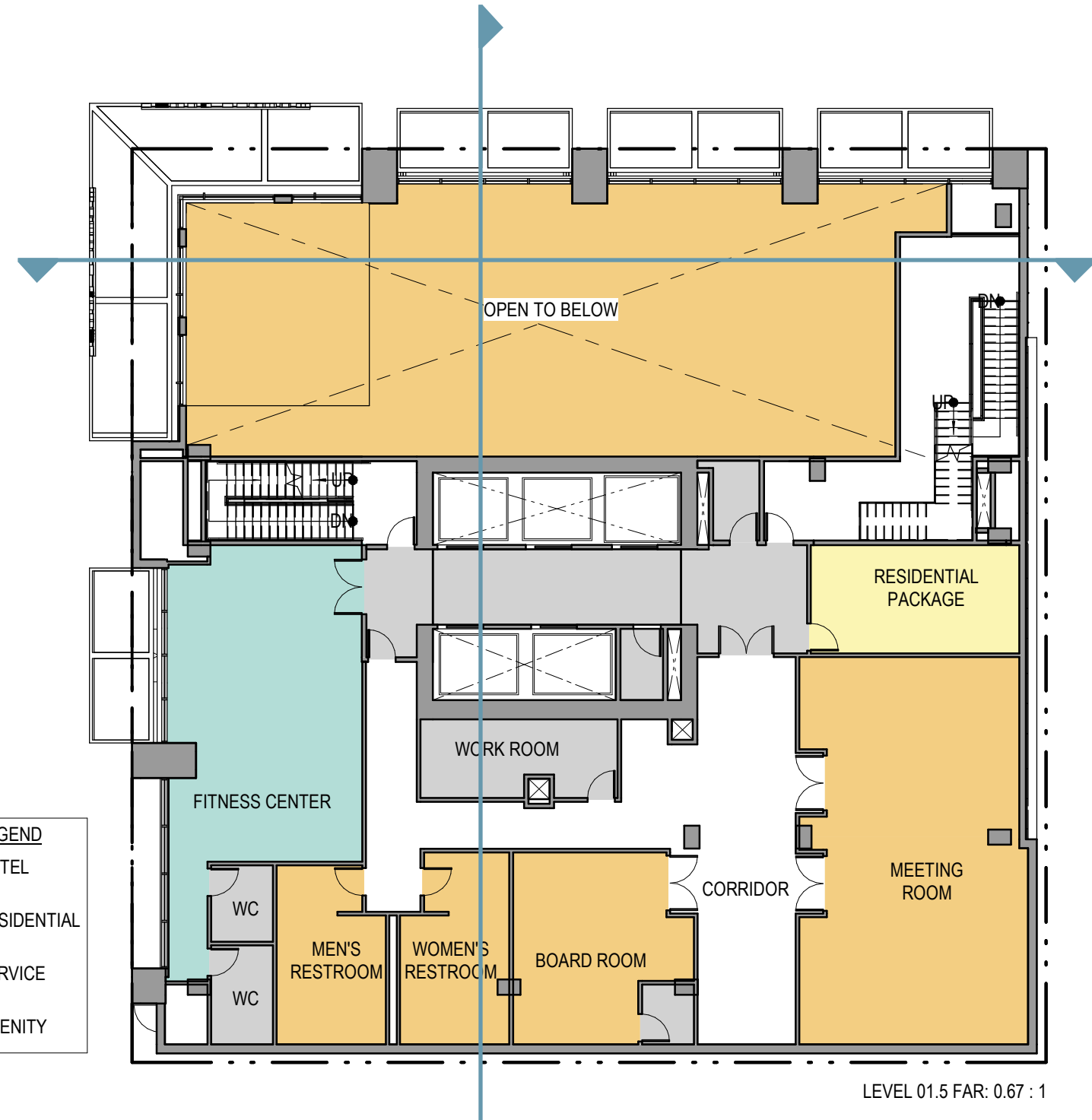
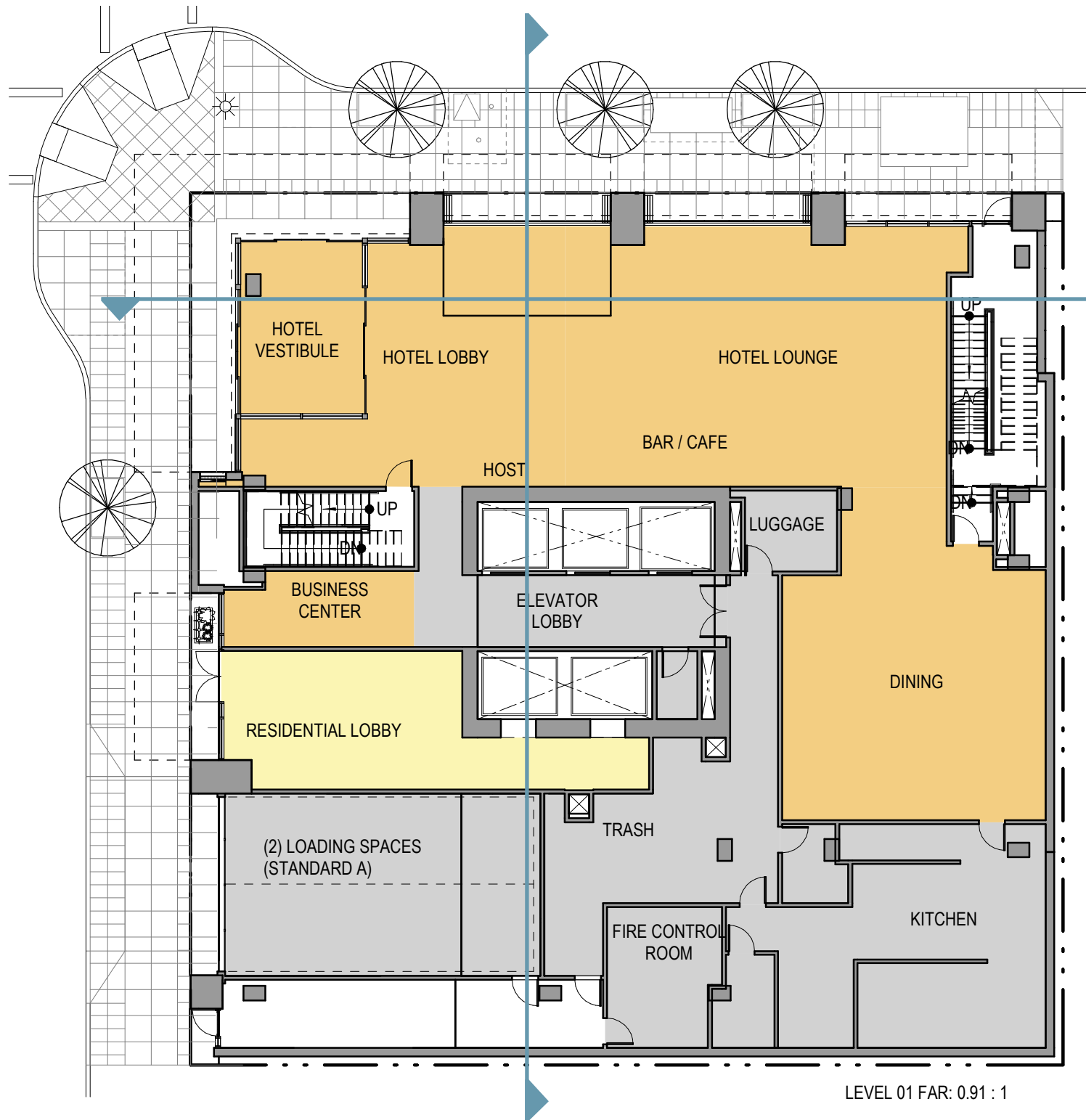


PROGRAM LEGEND	
[Orange Box]	HOTEL
[Yellow Box]	RESIDENTIAL
[Grey Box]	SERVICE
[Teal Box]	AMENITY



2 LEVEL B1 - ENLARGED BIKE PARKING PLAN
1/8" = 1'-0"



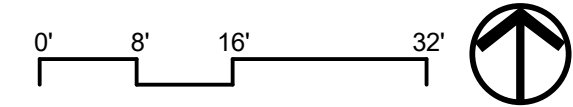


PROGRAM LEGEND

[Orange Box]	HOTEL
[Yellow Box]	RESIDENTIAL
[Grey Box]	SERVICE
[Teal Box]	AMENITY

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

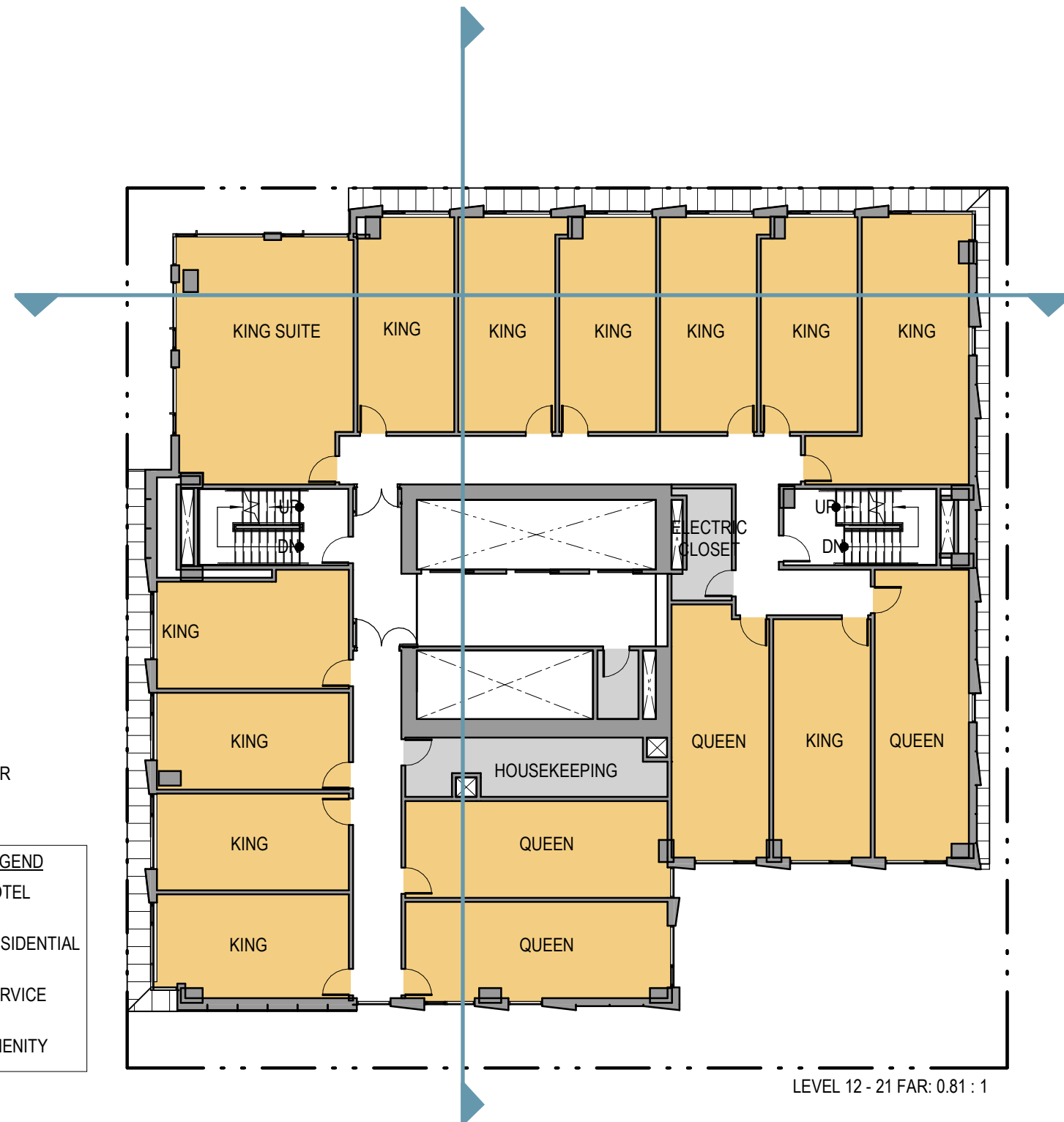
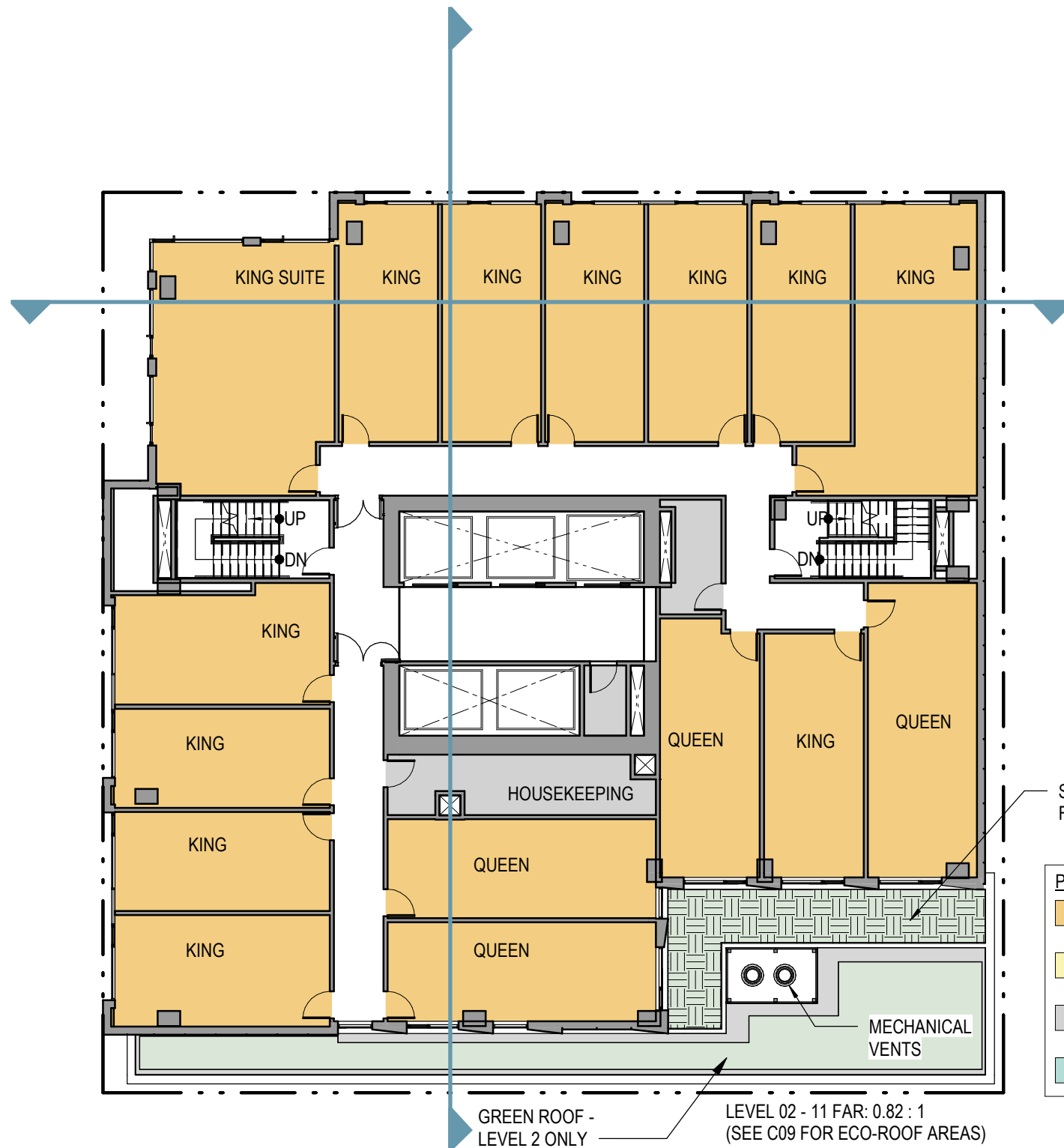
1 LEVEL 01.5 - PLAN
1/16" = 1'-0"



HYATT PLACE | TYPE III DESIGN REVIEW | FLOOR PLANS - LEVEL 01 + LEVEL 1.5

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FOLDING GLASS WALL ADDED



PROGRAM LEGEND

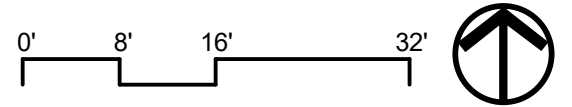
- HOTEL
- RESIDENTIAL
- SERVICE
- AMENITY

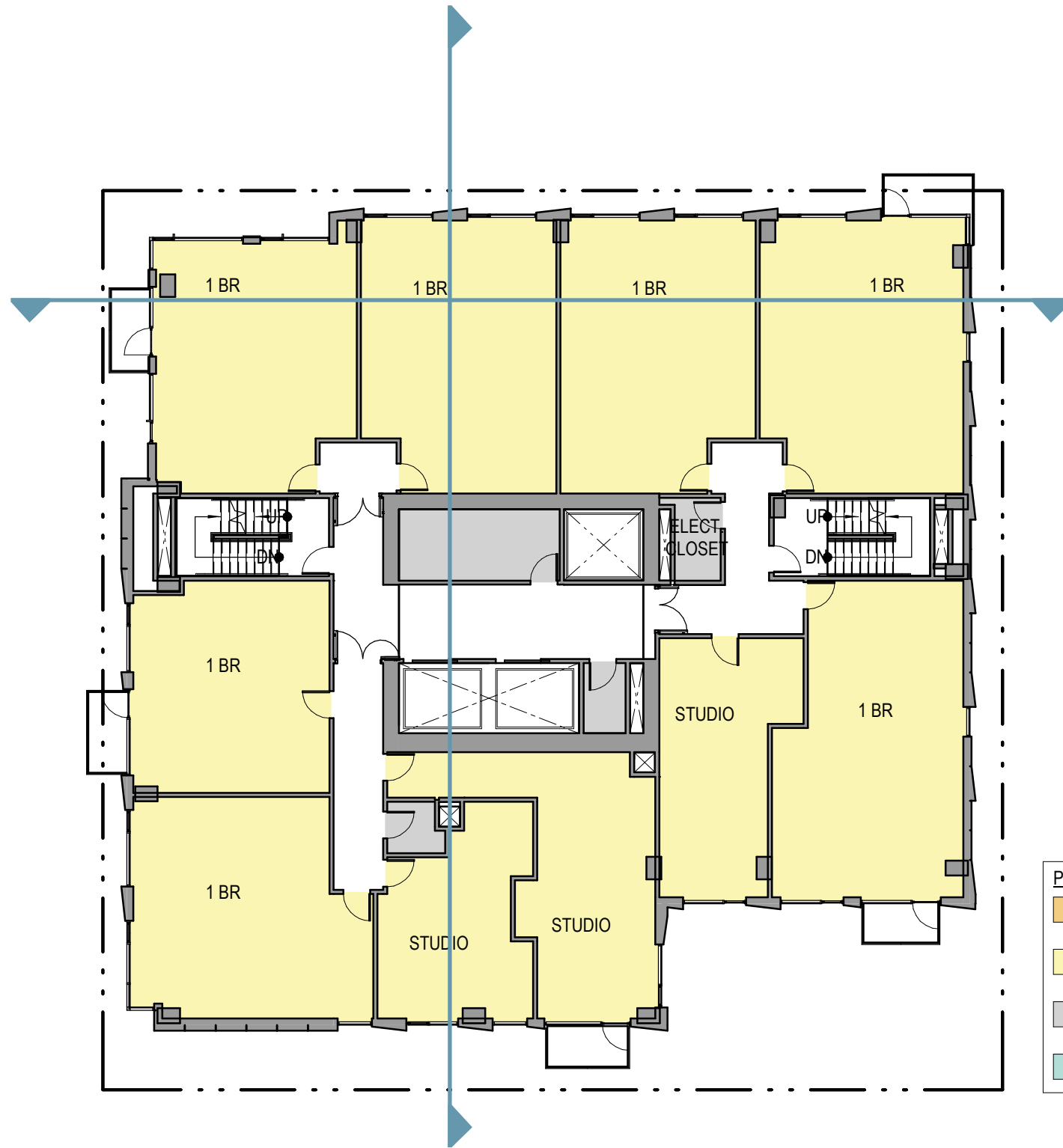
1 LEVEL 02 - 03 TYPICAL PLAN
1/16" = 1'-0"

3 LEVEL 04 - 11 TYPICAL PLAN
1/16" = 1'-0"

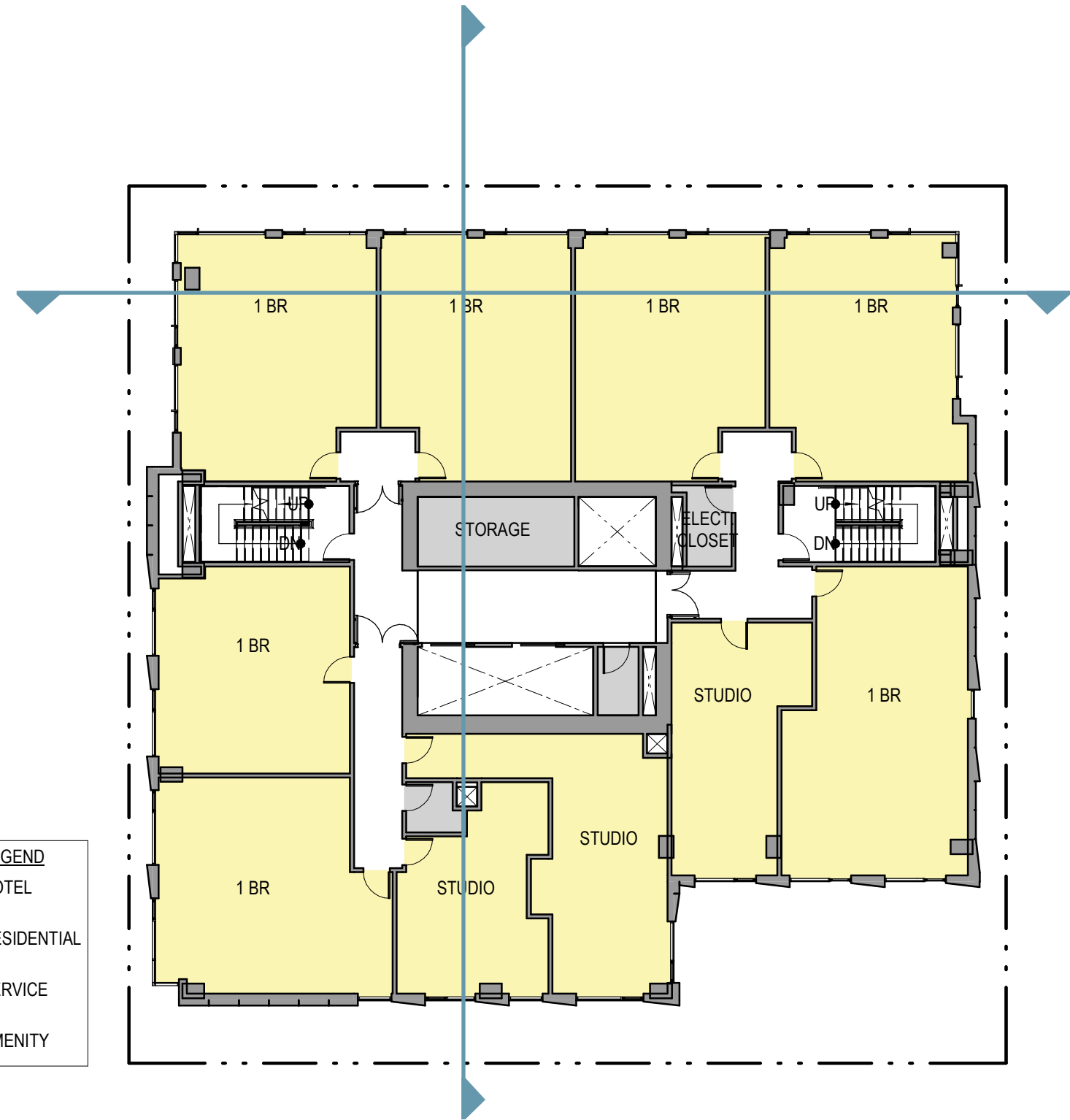
GREEN ROOF - LEVEL 2 ONLY
LEVEL 02 - 11 FAR: 0.82 : 1
(SEE C09 FOR ECO-ROOF AREAS)

LEVEL 12 - 21 FAR: 0.81 : 1





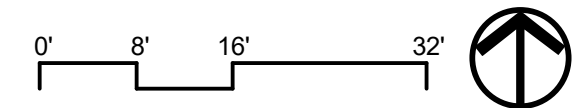
1 LEVEL 12- 19 TYPICAL PLAN
1/16" = 1'-0"

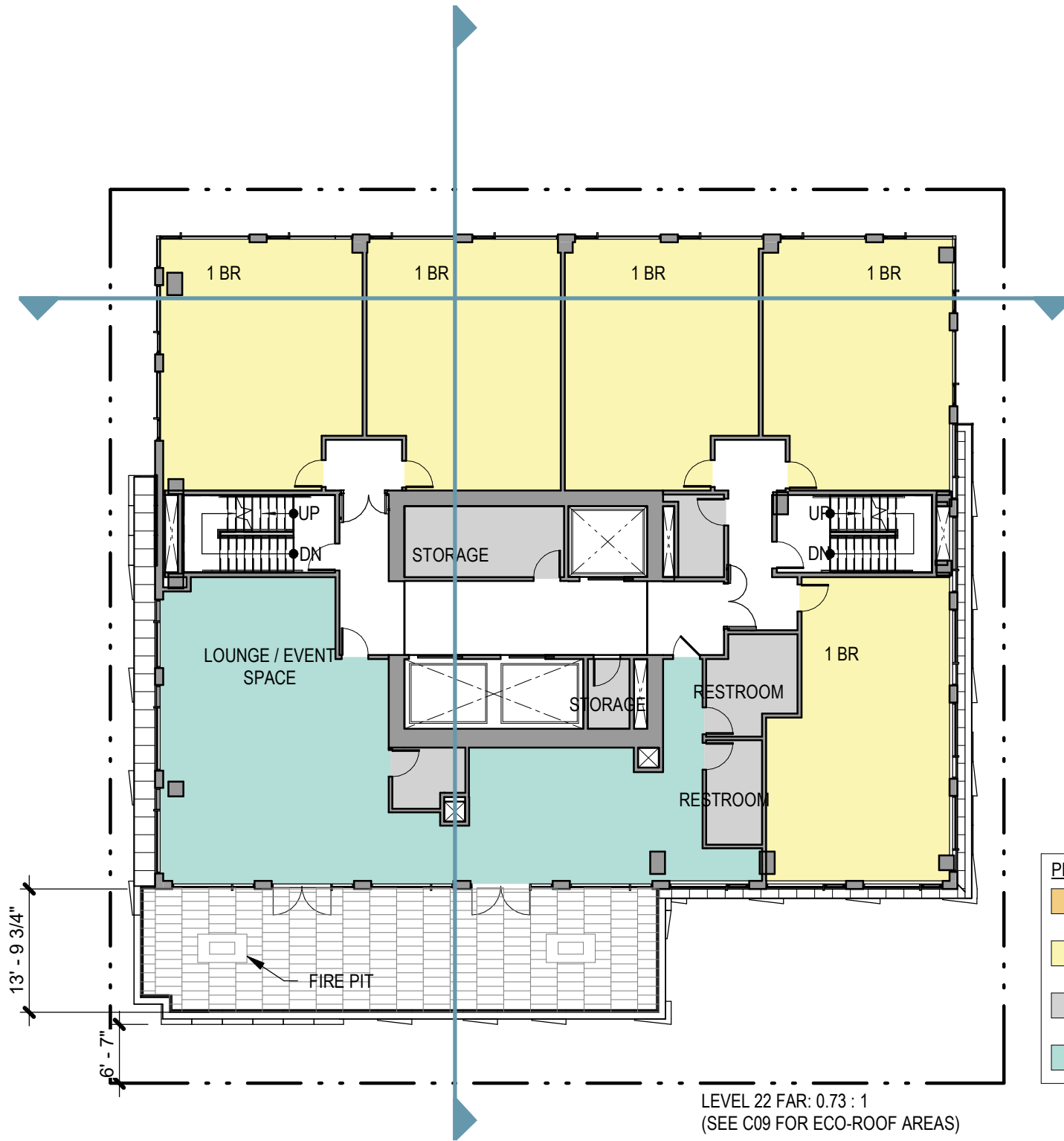


2 LEVEL 20-21 - PLAN
1/16" = 1'-0"

PROGRAM LEGEND

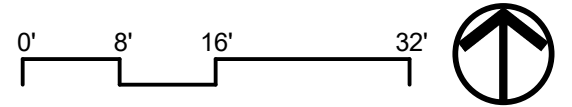
	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY





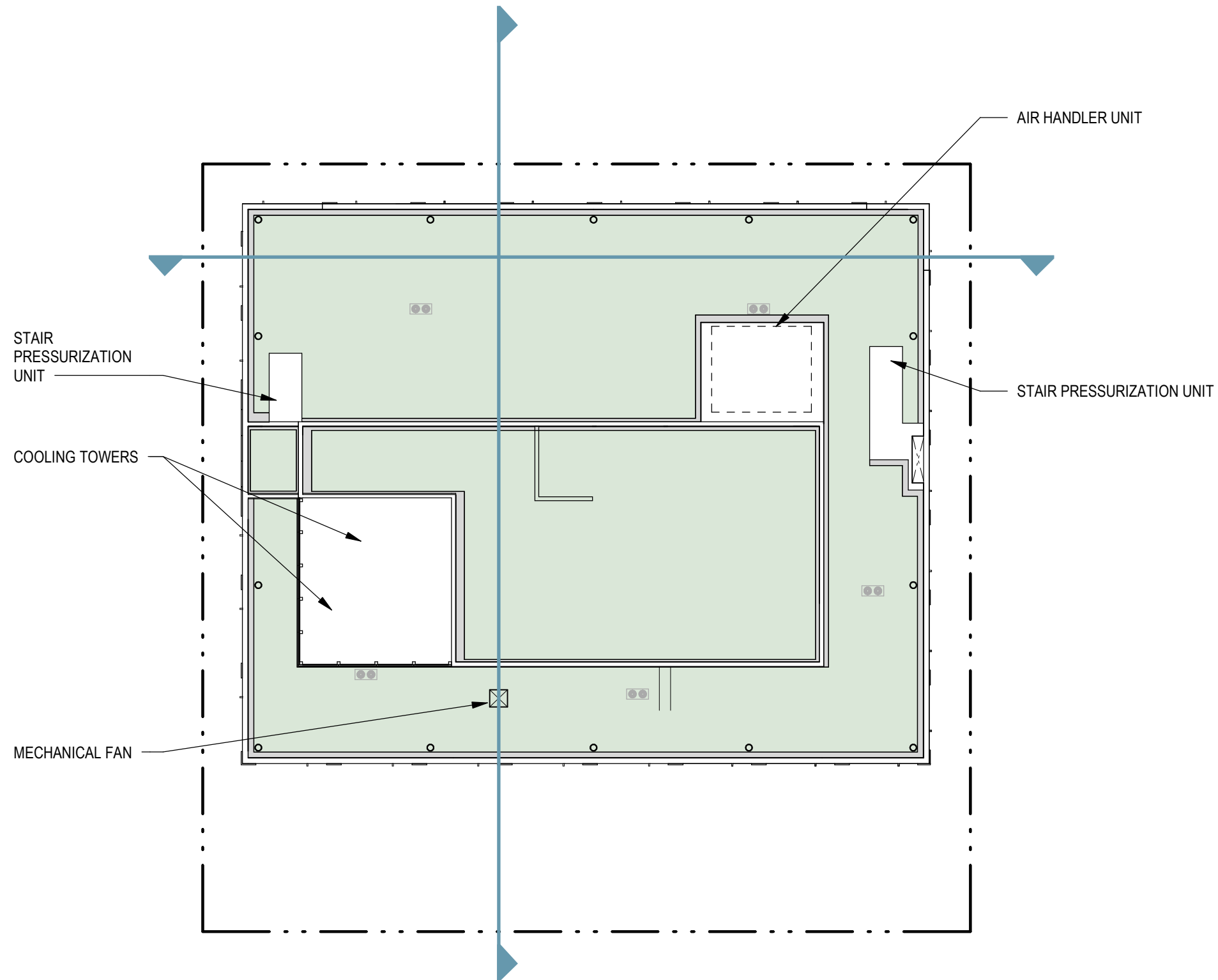
PROGRAM LEGEND

	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY



HYATT PLACE | TYPE III DESIGN REVIEW | FLOOR PLANS - LEVEL 22 + LEVEL 23

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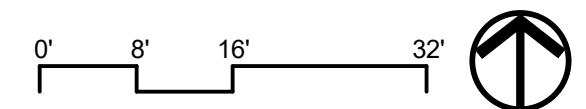
1 LEVEL ROOF - PLAN
1/16" = 1'-0"

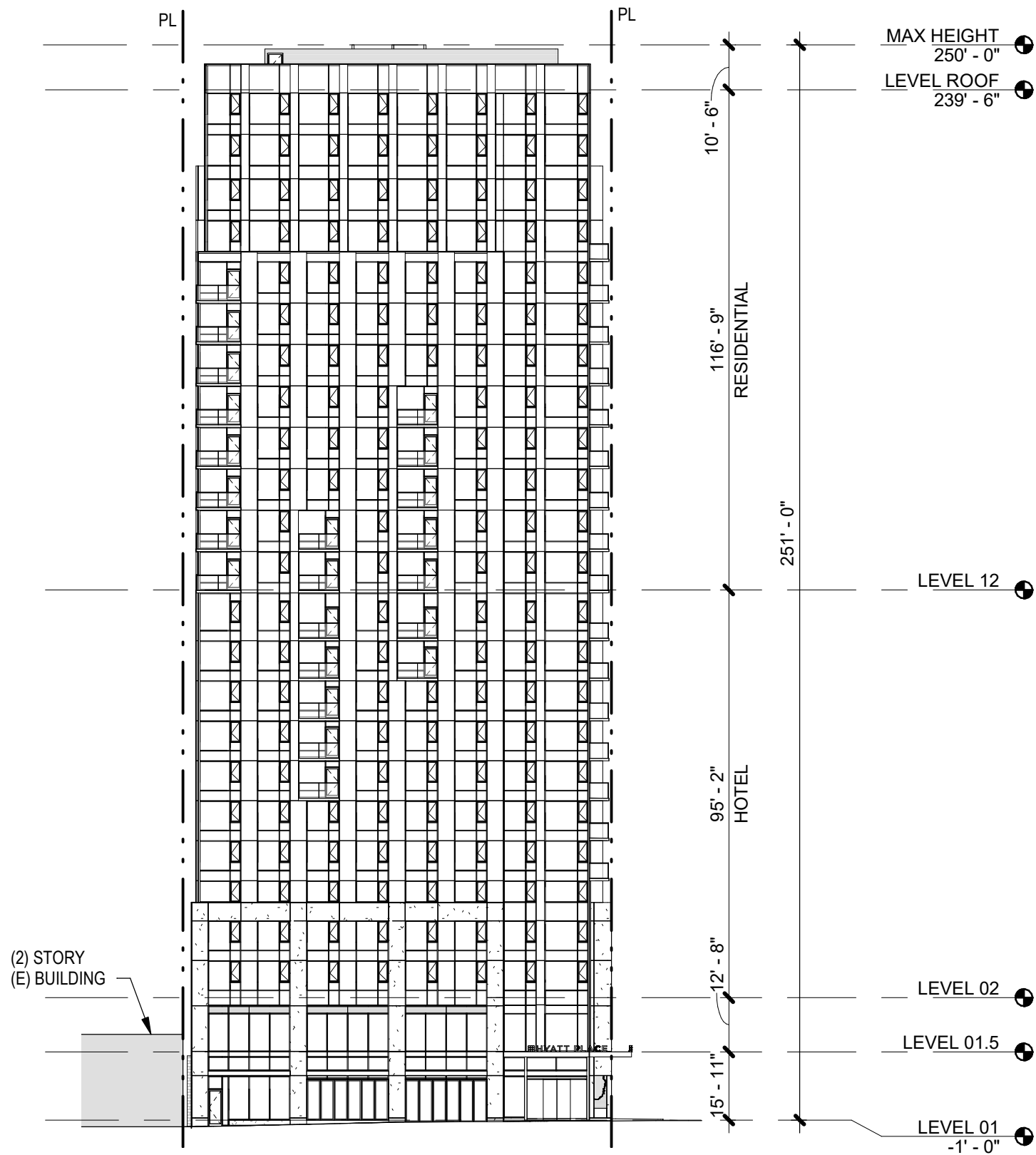
ECO-ROOF AREAS

	GROUND	ECO-ROOF	NON-PLANTED ECO-ROOF ACCESS	ROOF DECK / OTHER ROOF	TOTAL
LEVEL 01	227 SF	-	-	-	227 SF
LEVEL 02	-	469 SF	174 SF	891 SF	1,534 SF
LEVEL 22	-	-	-	1,666 SF	1,666 SF
ROOF	-	4,961 SF	369 SF	1,243 SF	6,573 SF
TOTAL	227 SF	5,430 SF	543 SF	3,800 SF	10,000 SF

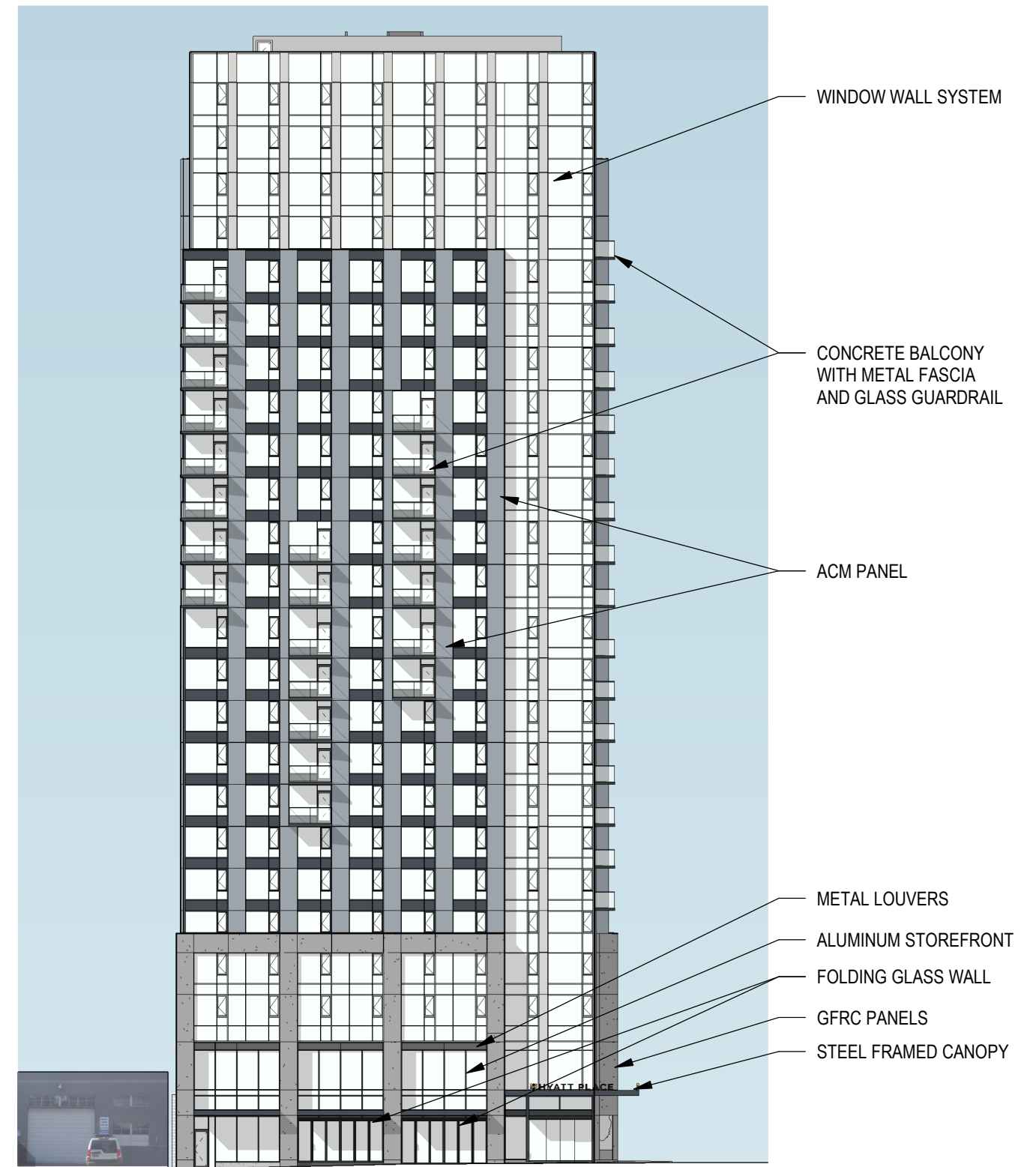
ECO-ROOF	5,430 SF (90.9%)	TOTAL SITE	10,000 SF
- NON-PLANTED ECO-ROOF	543 SF (9.1%)	- GROUND	227 SF
TOTAL ECO-ROOF	5,973 SF	TOTAL ROOF AREA	9,773 SF

5,973 SF / 9,773 SF = 61.1% TOTAL ECO-ROOF





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



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

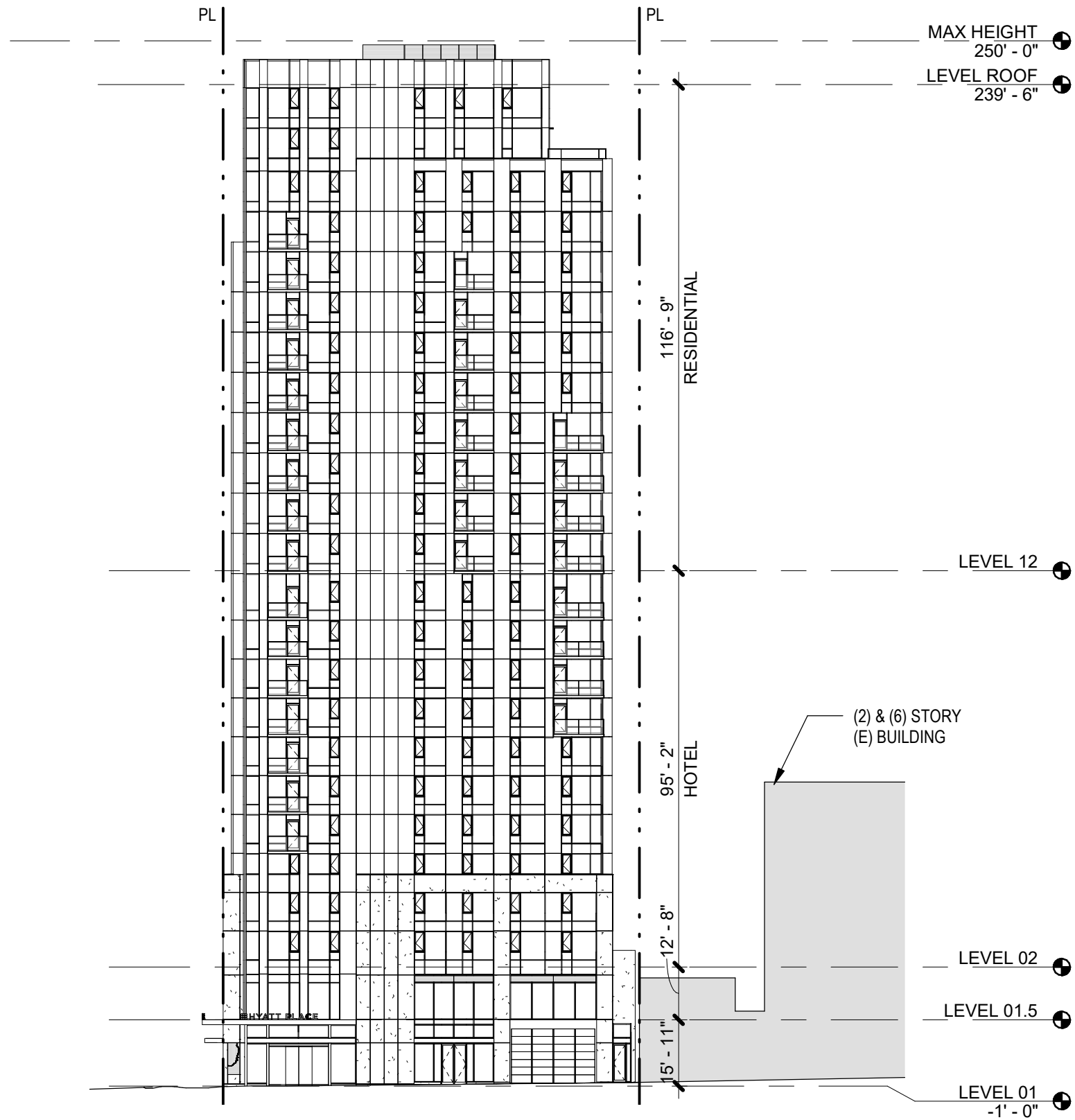
HYATT PLACE | TYPE III DESIGN REVIEW | ELEVATIONS - NORTH

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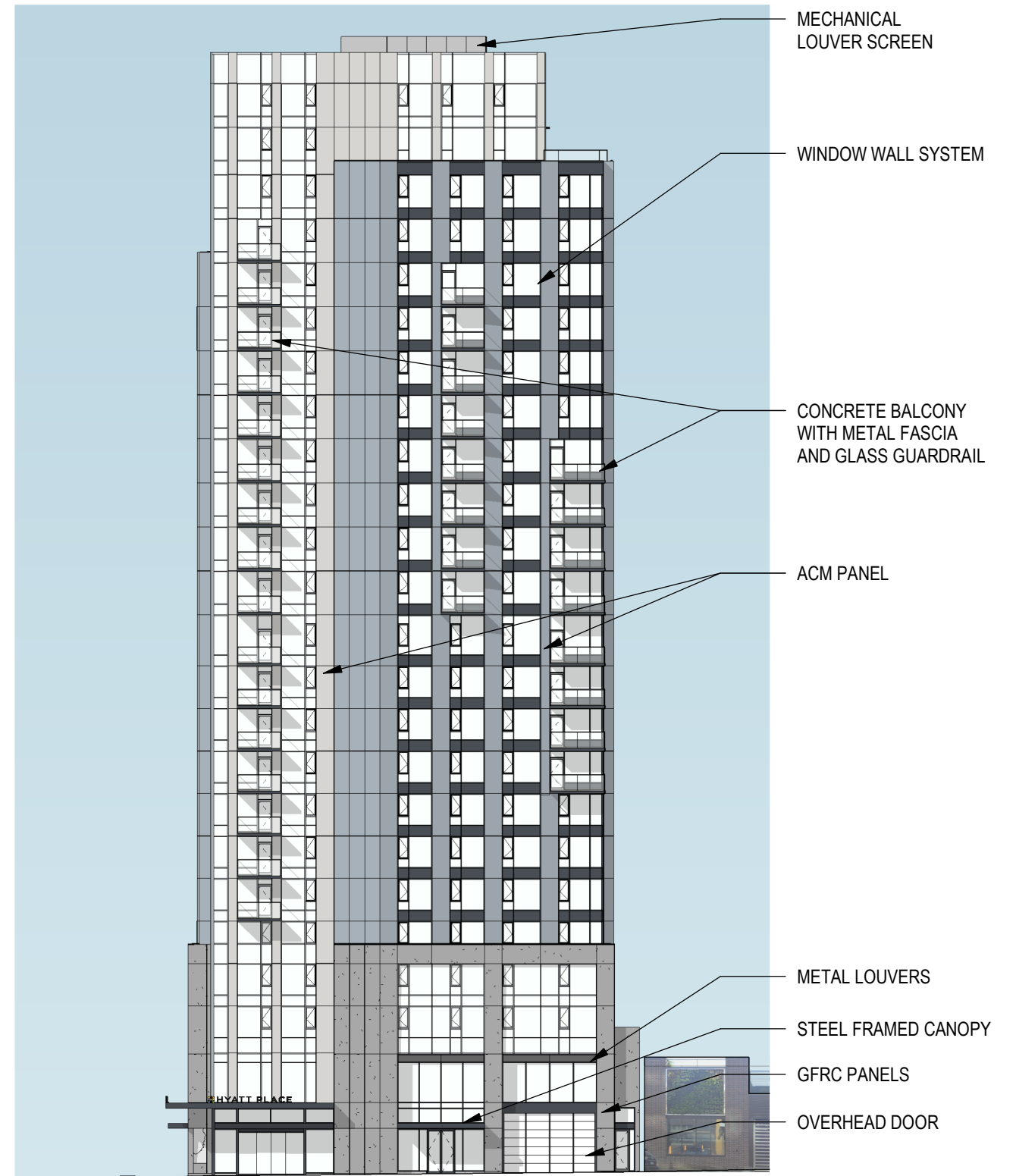


C.11

FOLDING GLASS WALL ADDED



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



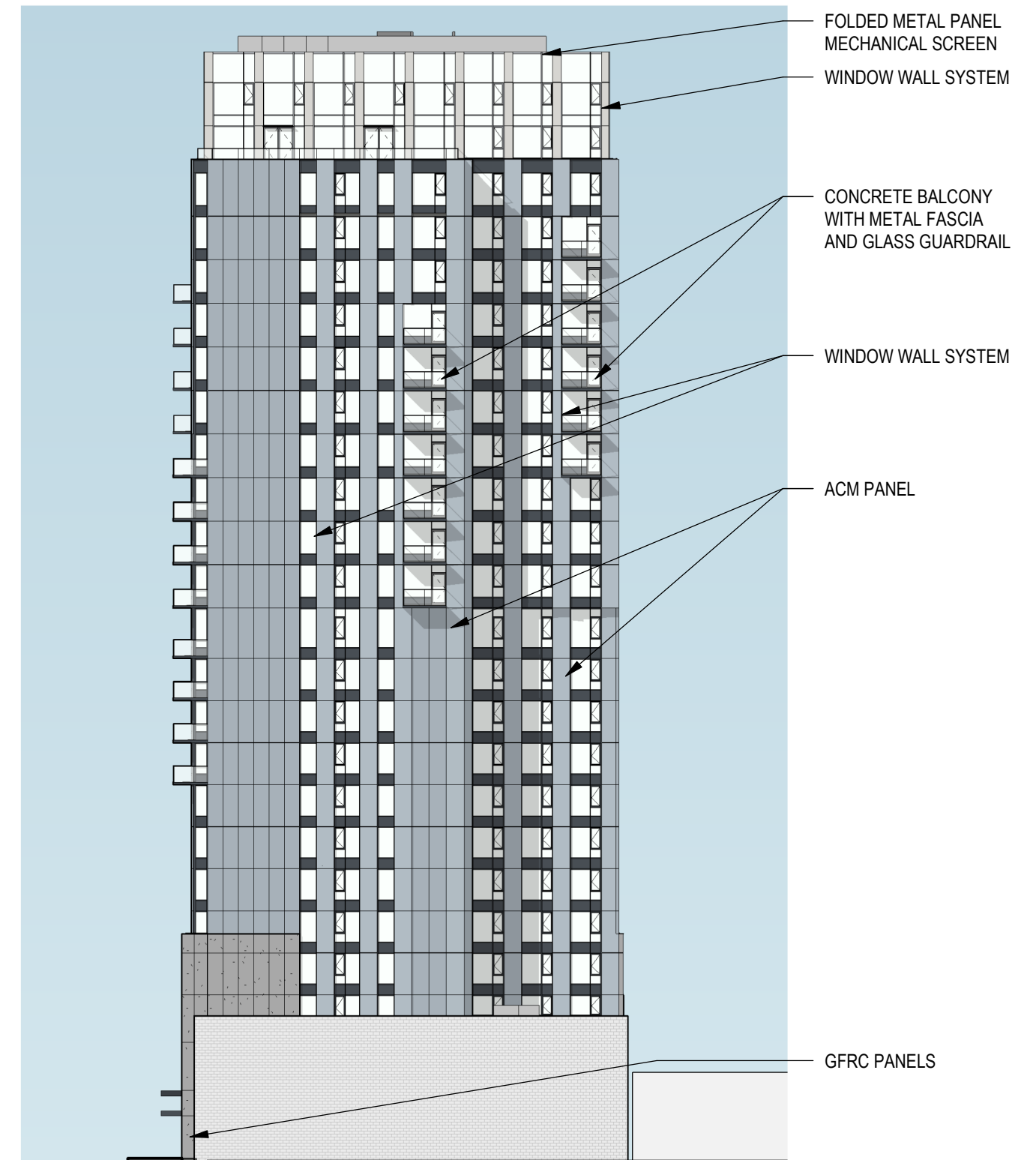
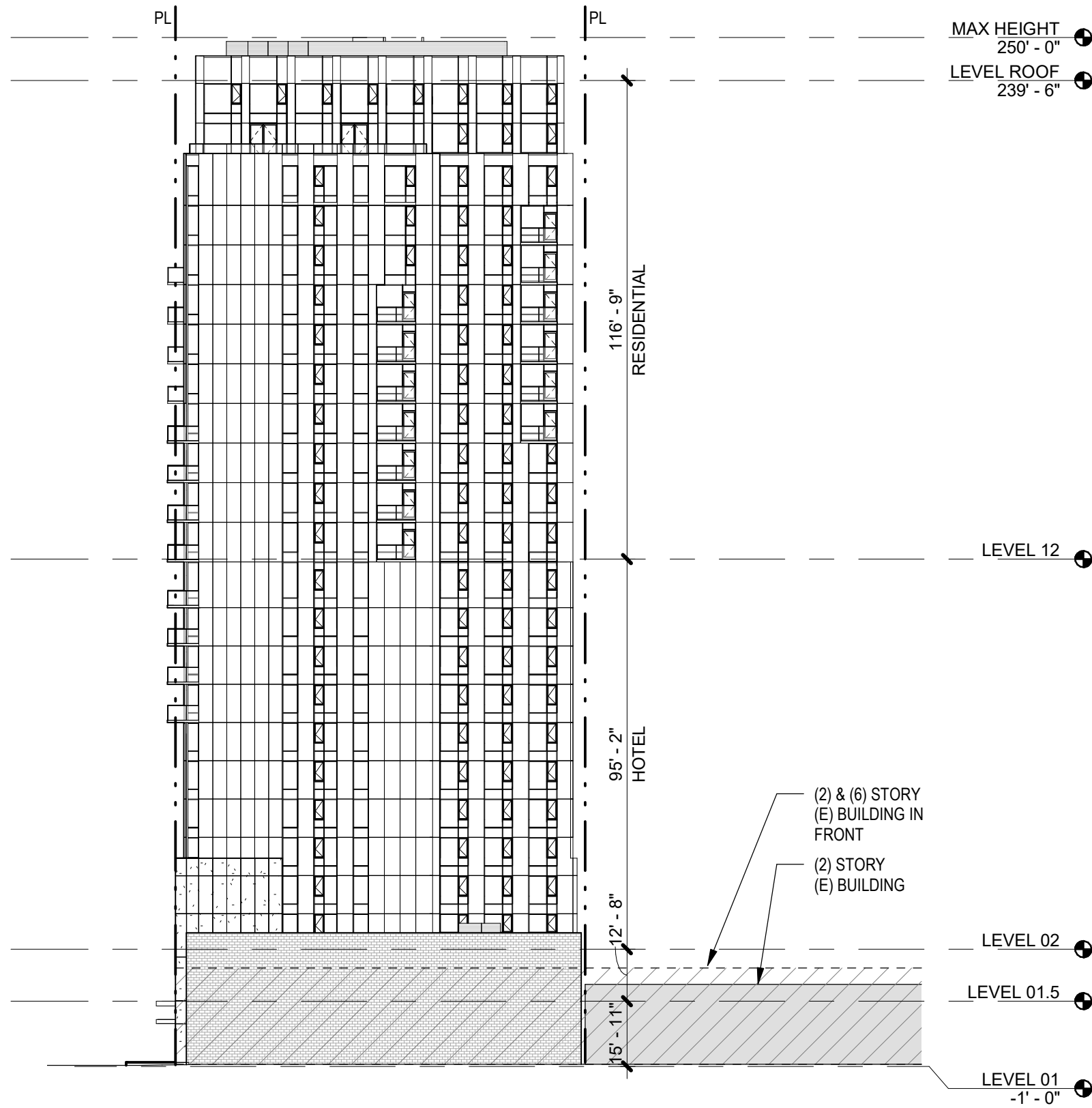
2 WEST ELEVATION - COLOR
1/32" = 1'-0"

HYATT PLACE | TYPE III DESIGN REVIEW | ELEVATIONS - WEST

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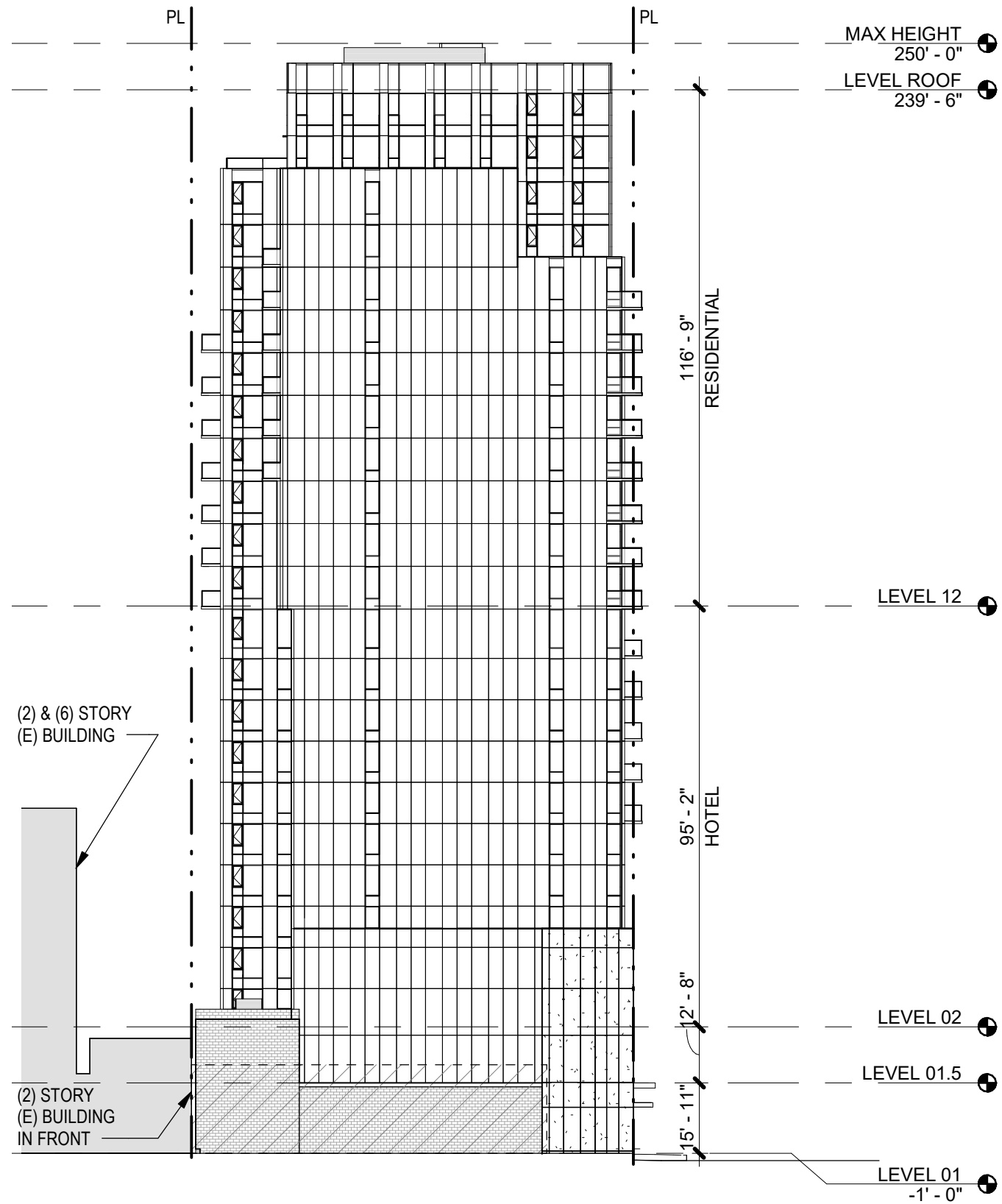


C.12

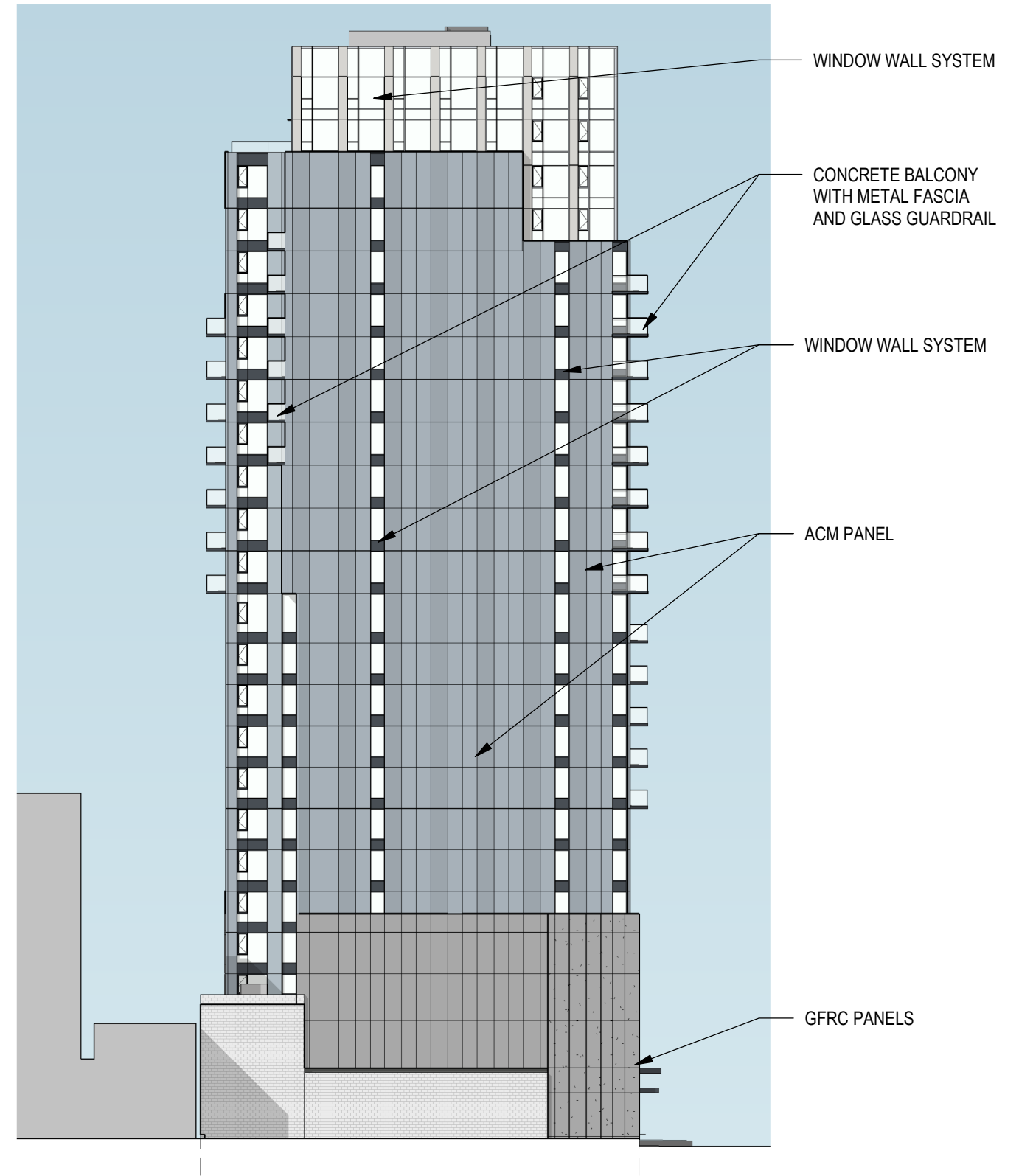


1 SOUTH ELEVATION - BLACK & WHITE
1/32" = 1'-0"

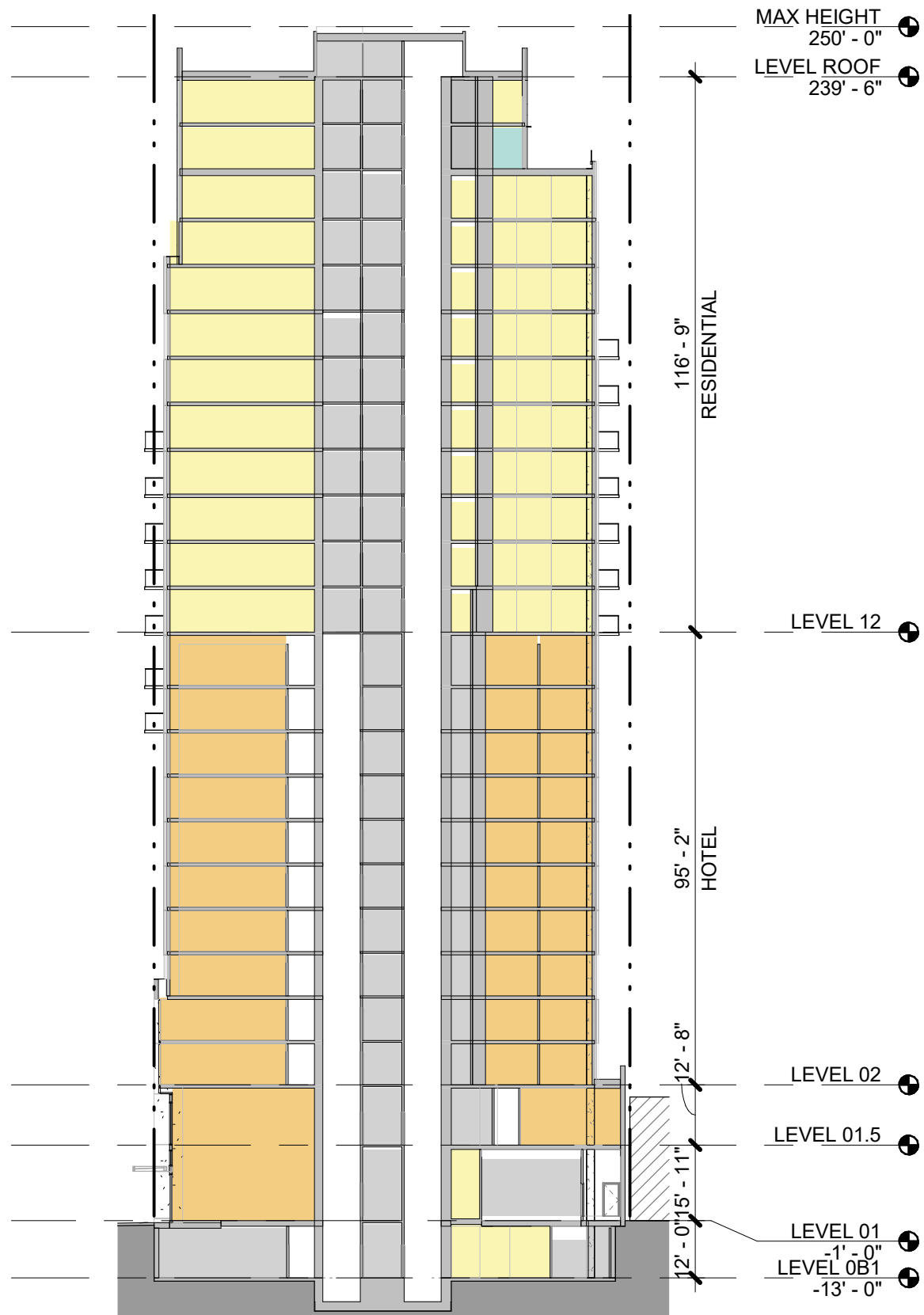
2 SOUTH ELEVATION - COLOR
1/32" = 1'-0"



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

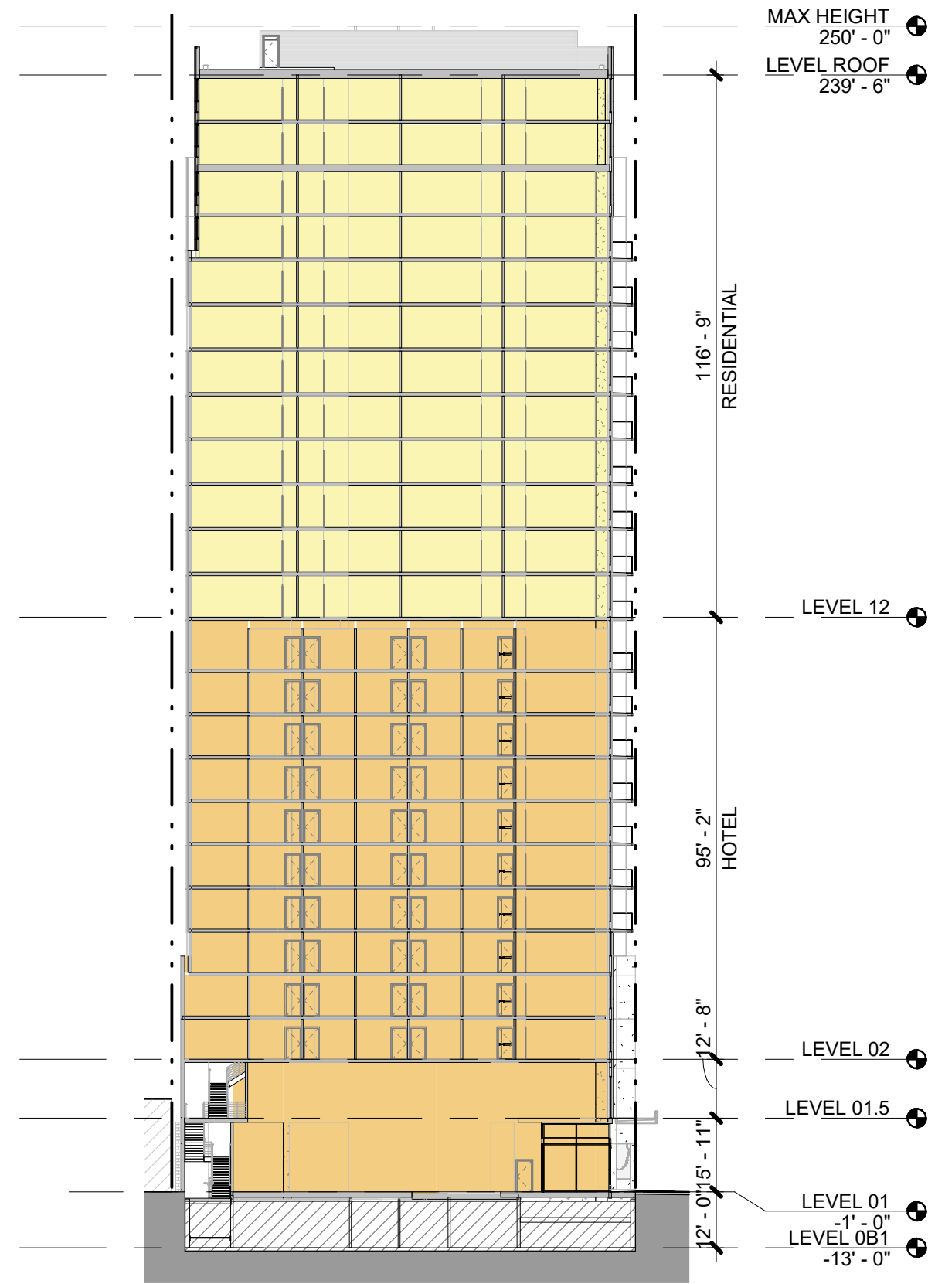


2 EAST ELEVATION - COLOR
1/32" = 1'-0"

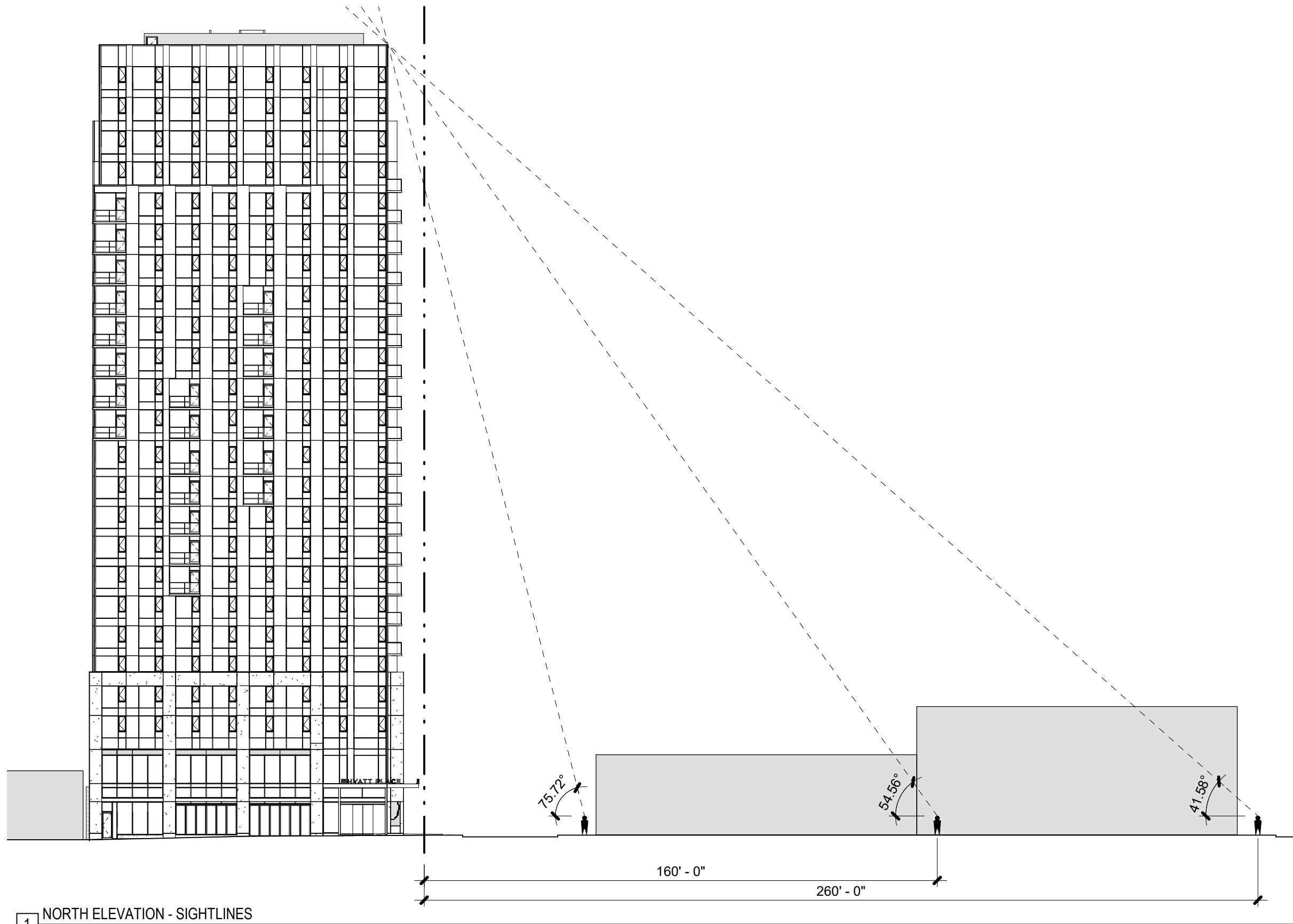


1 NORTH / SOUTH SECTION
1/32" = 1'-0"

PROGRAM LEGEND	
	HOTEL
	RESIDENTIAL
	SERVICE
	AMENITY



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



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

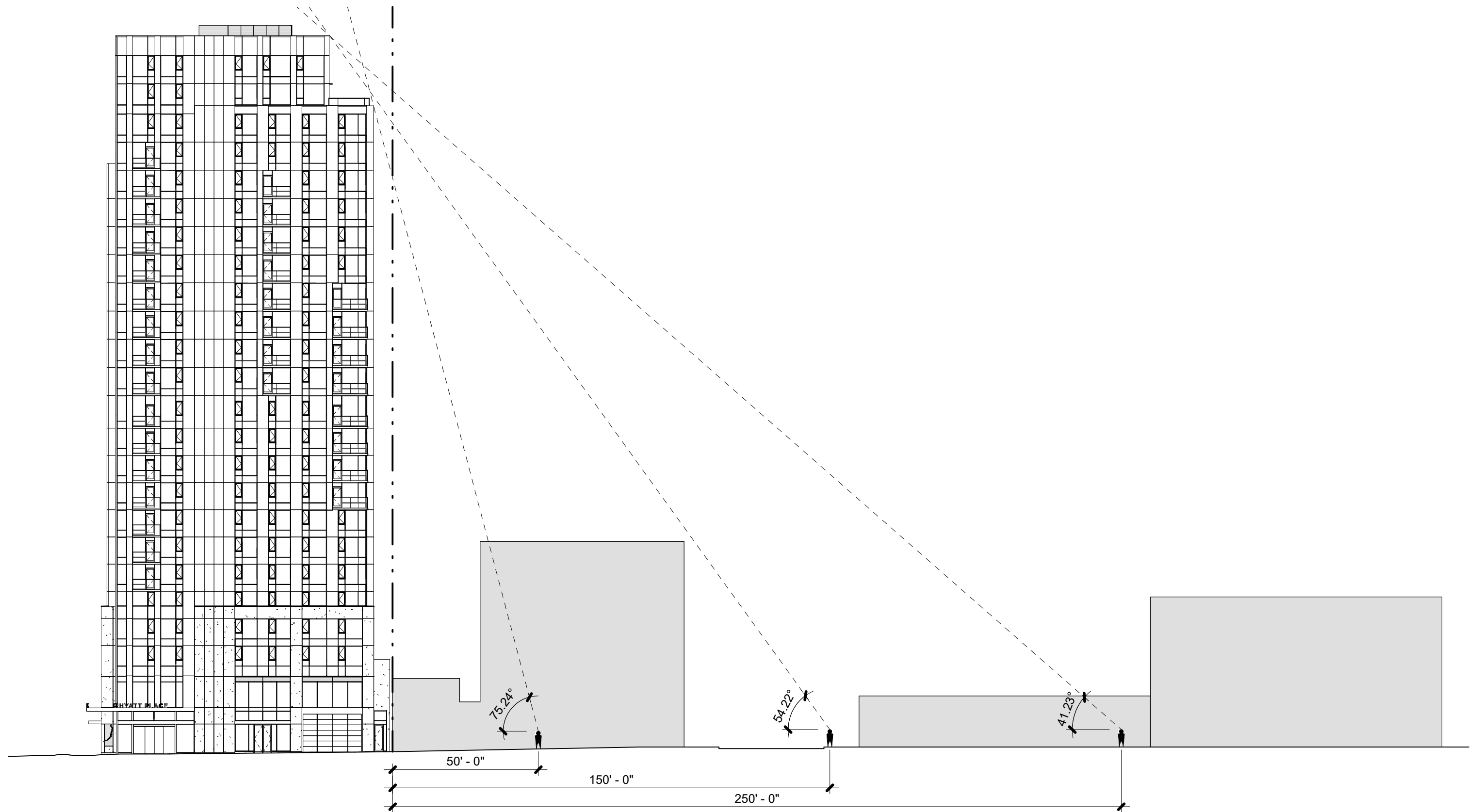
HYATT PLACE | TYPE III DESIGN REVIEW | SIGHTLINES DIAGRAM - NORTH

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C.16

FOLDING GLASS WALL ADDED



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

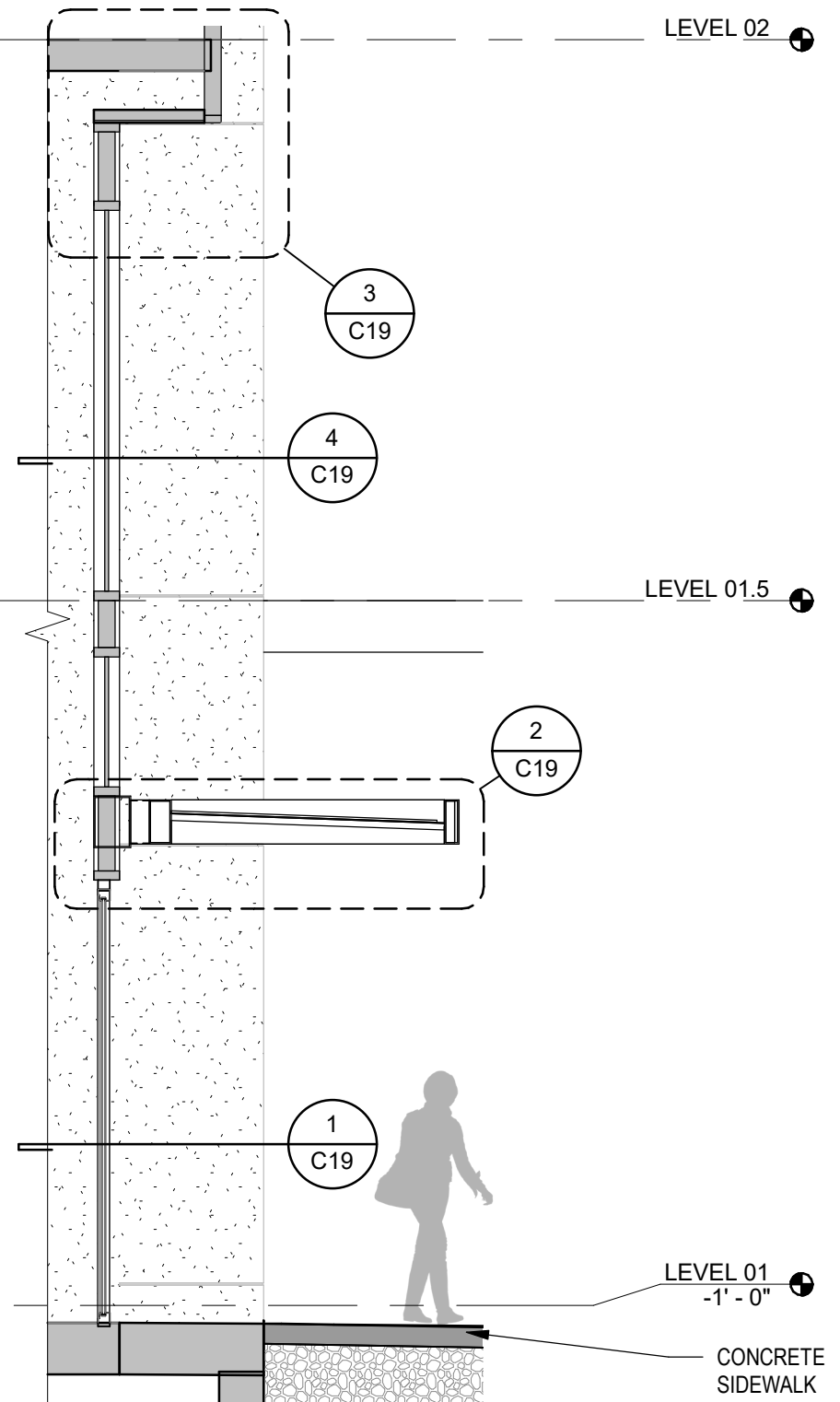
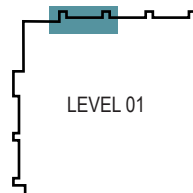


SINGLE SWING
OPENING

2

FOLDING GLASS WALL SYSTEM

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



LEVEL 02

3

C19

4

C19

LEVEL 01.5

2

C19

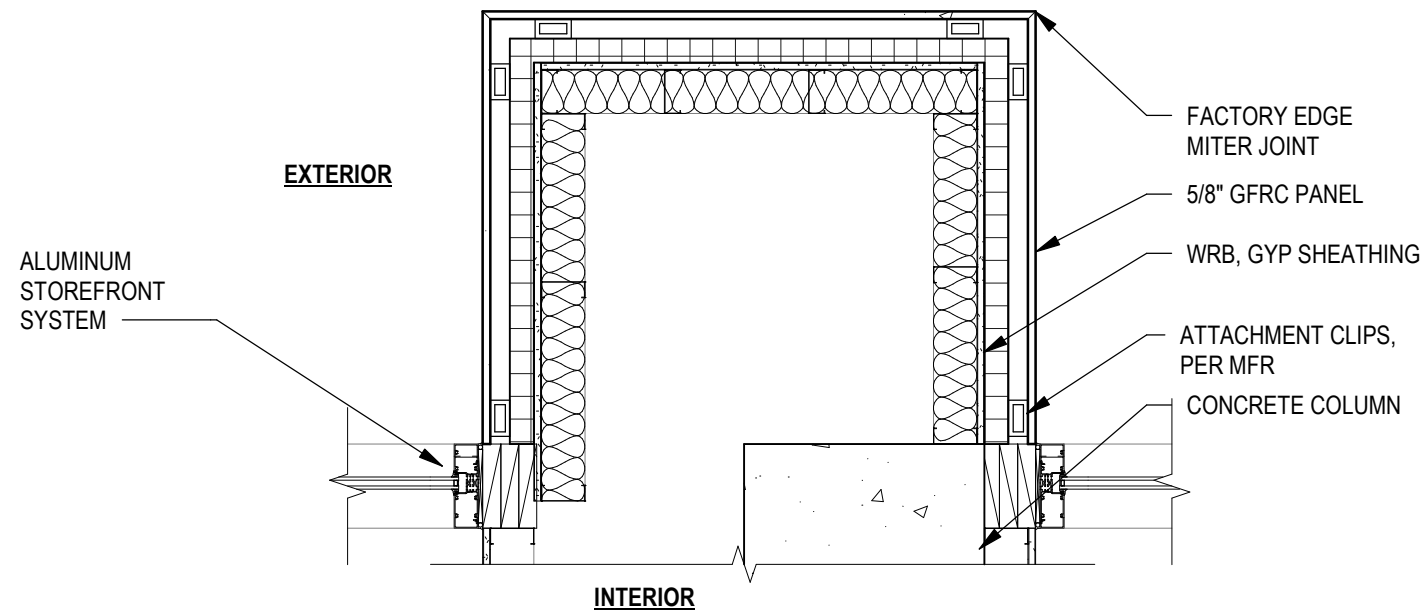
1

C19

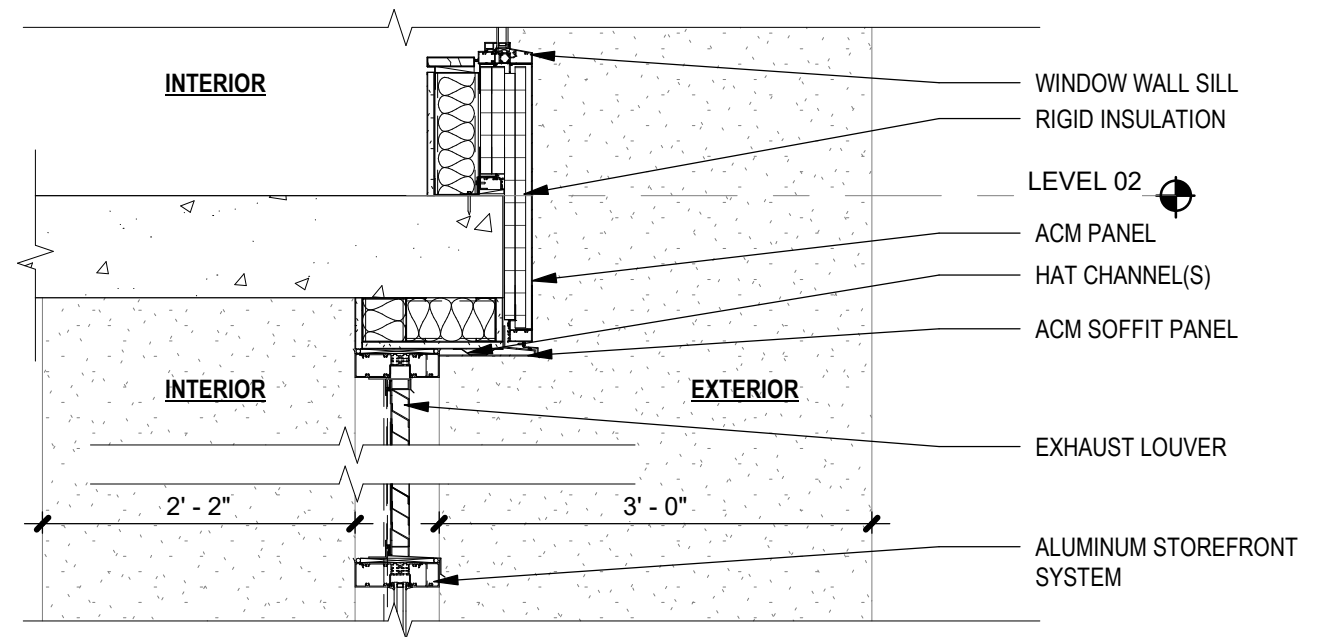
LEVEL 01
-1'-0"

CONCRETE
SIDEWALK

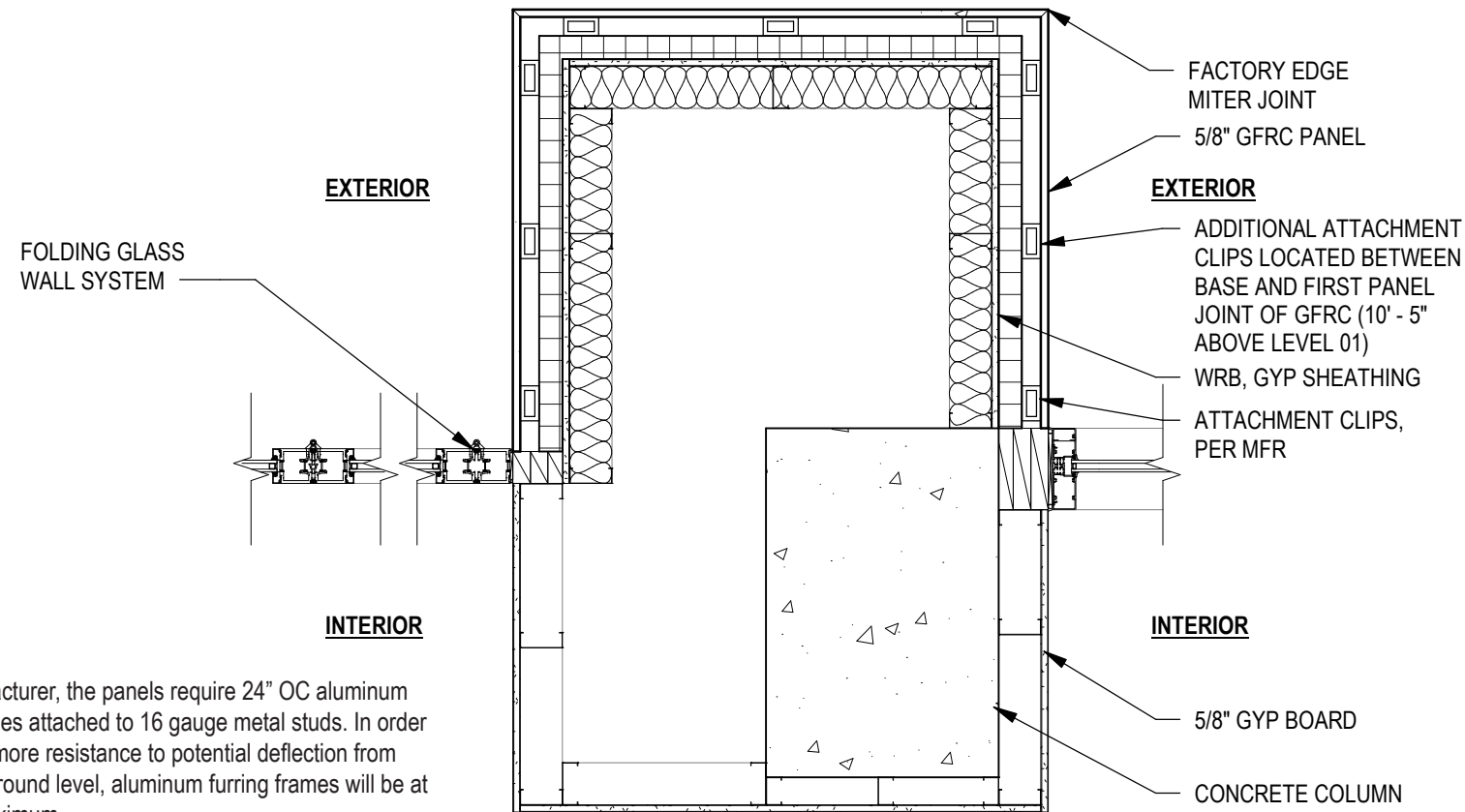
2 NORTH FACADE WALL SECTION
1/4" = 1'-0"



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

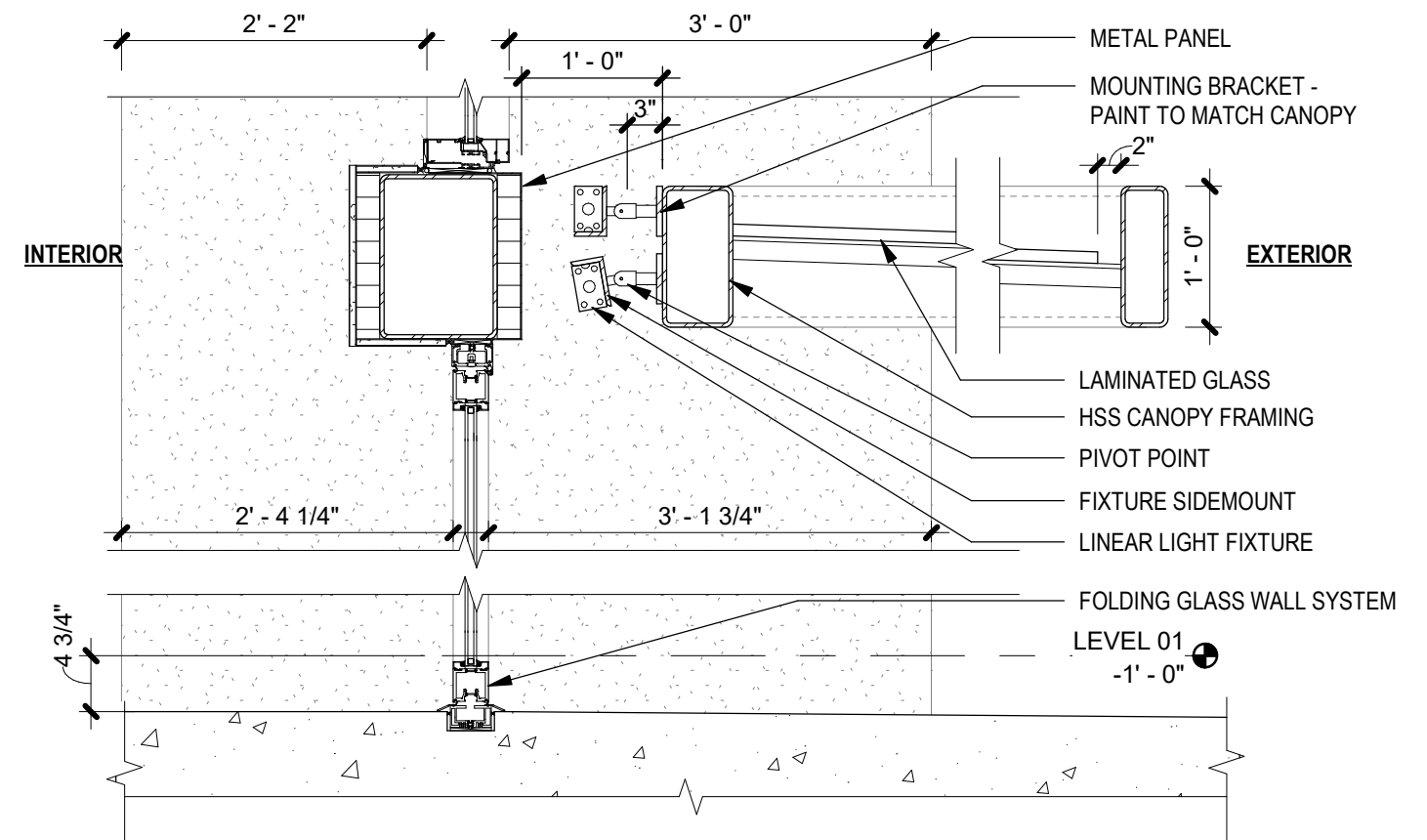


3 SOFFIT @ STOREFRONT - SECTION
3/4" = 1'-0"



Per manufacturer, the panels require 24" OC aluminum furring frames attached to 16 gauge metal studs. In order to provide more resistance to potential deflection from impact at ground level, aluminum furring frames will be at 16" OC maximum.

1 CONCRETE COLUMN @ FOLDING GLASS WALL - PLAN
3/4" = 1'-0"

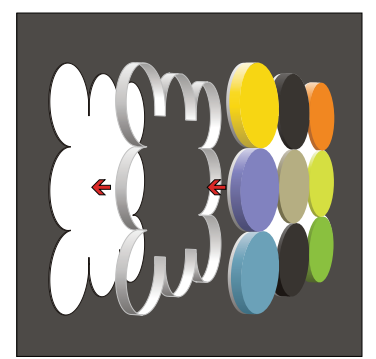
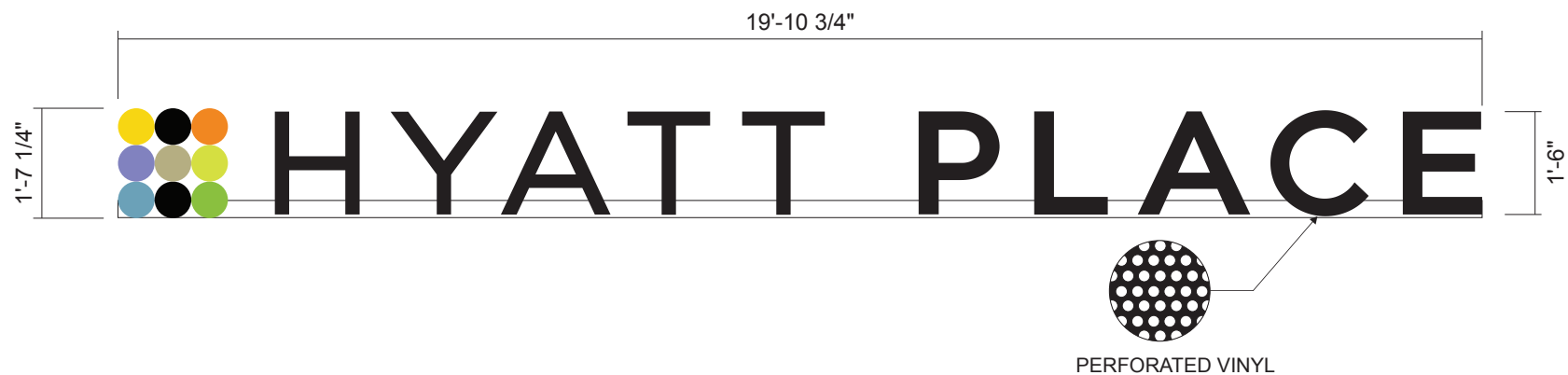


2 CANOPY @ STOREFRONT - SECTION
3/4" = 1'-0"

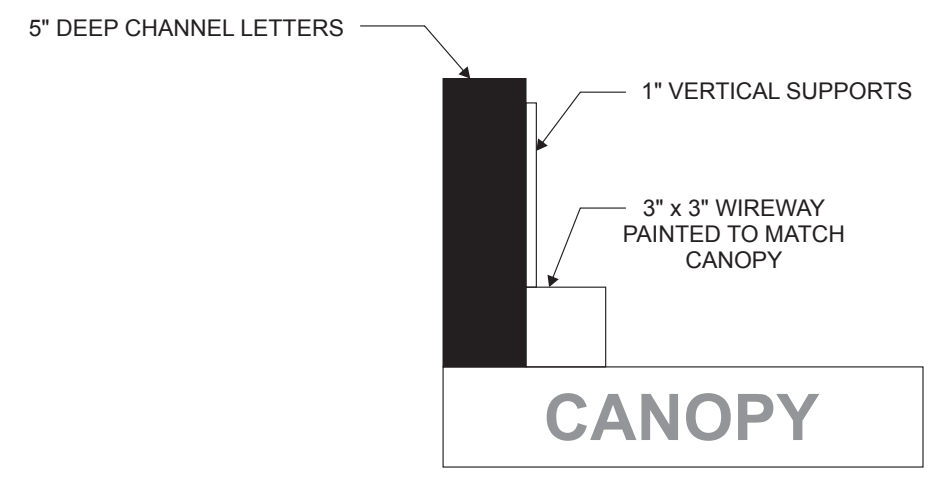


1 ENLARGED WEST ELEVATION - HOTEL ENTRY
1/4" = 1'-0"

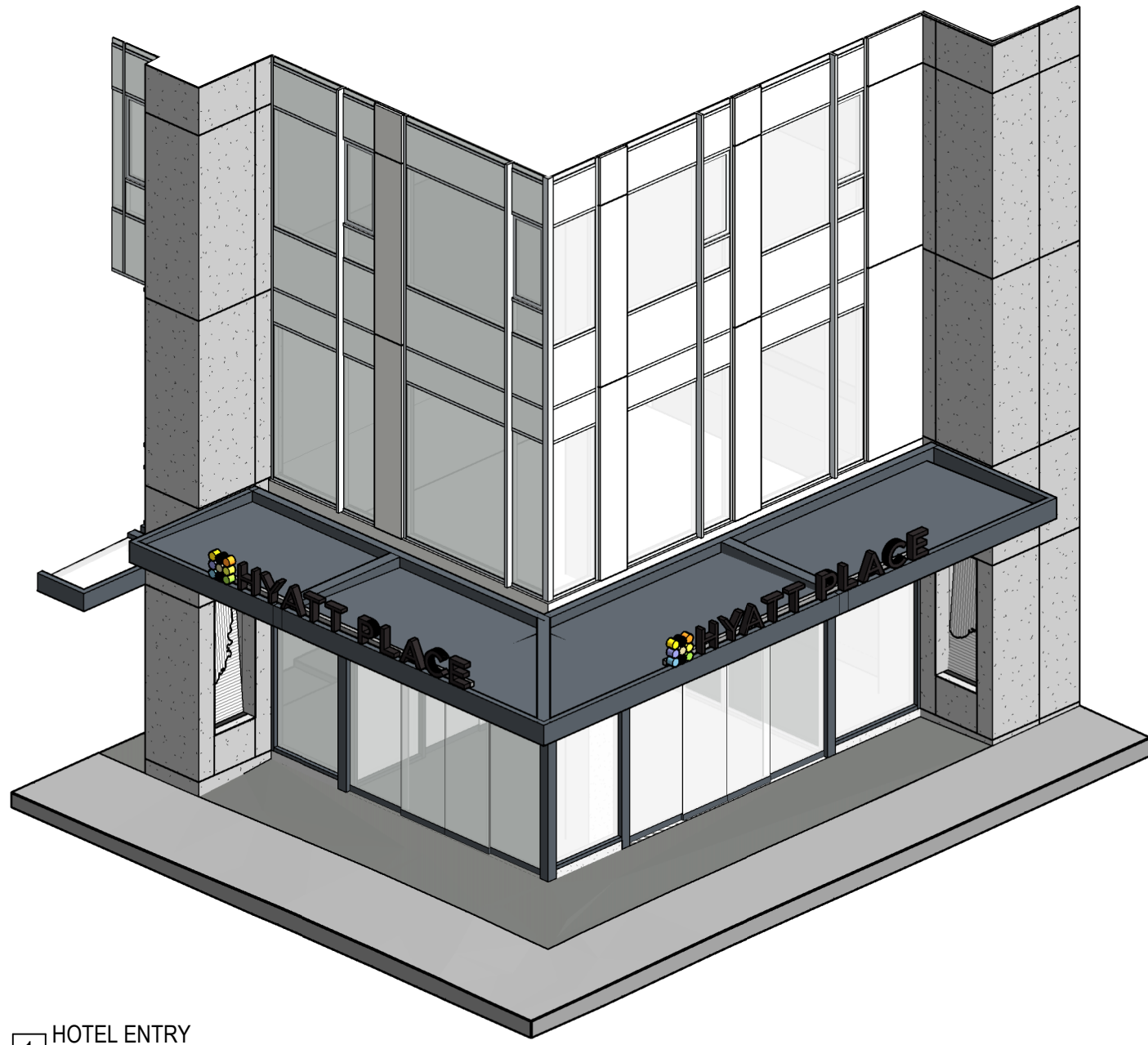
2 HOTEL ENTRY - WALL SECTION
1/4" = 1'-0"



SMALL LOGO (19" to 45")



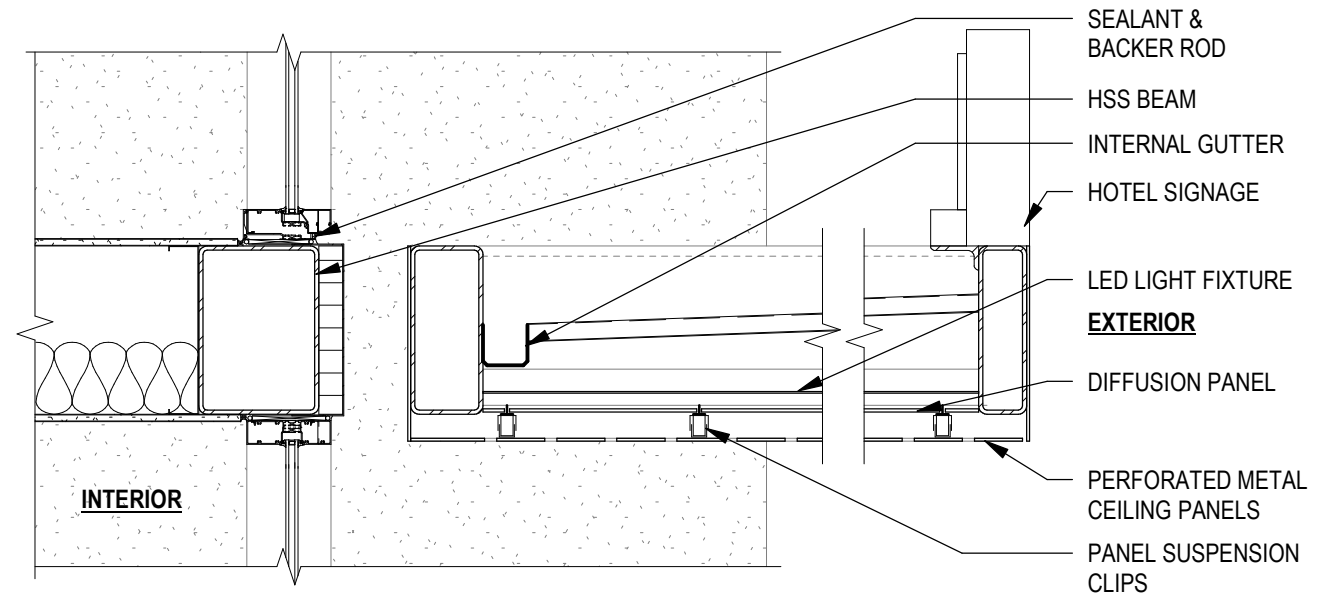
TYPICAL SIDE VIEW



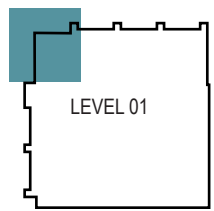
1 HOTEL ENTRY

	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
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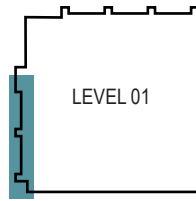


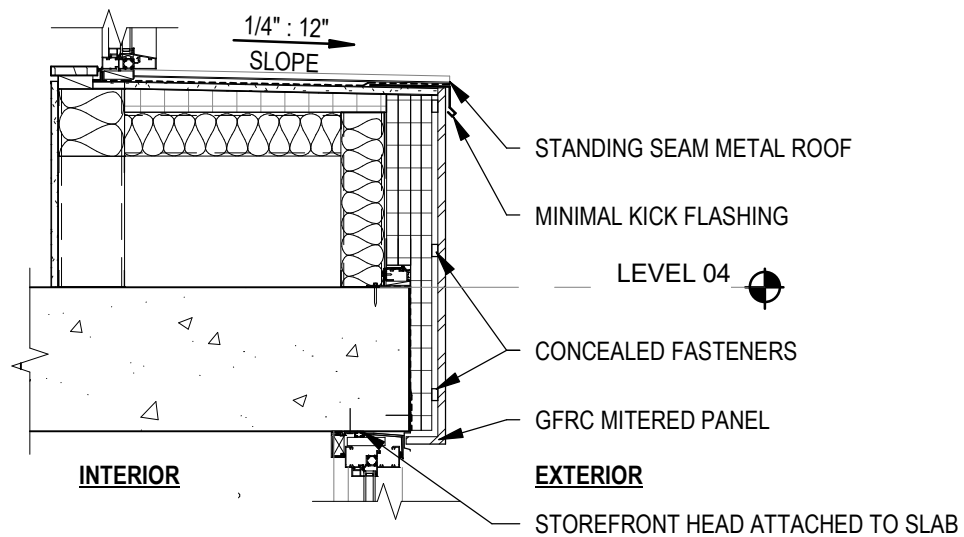
2 CANOPY @ HOTEL ENTRY - SECTION
3/4" = 1'-0"



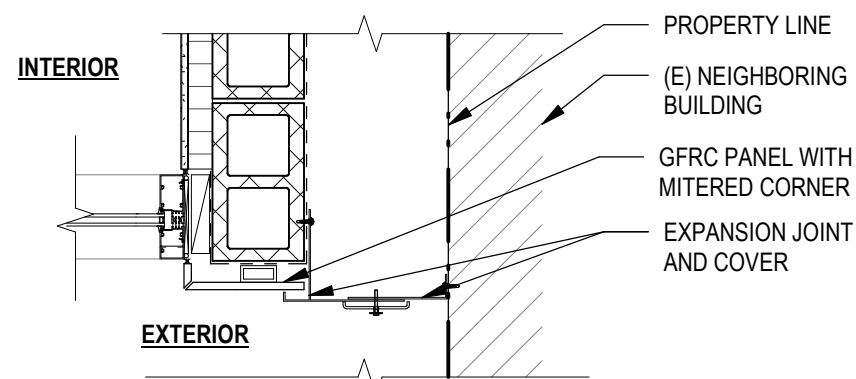


1 ENLARGED WEST ELEVATION - RESIDENTIAL ENTRY
 1/8" = 1'-0"

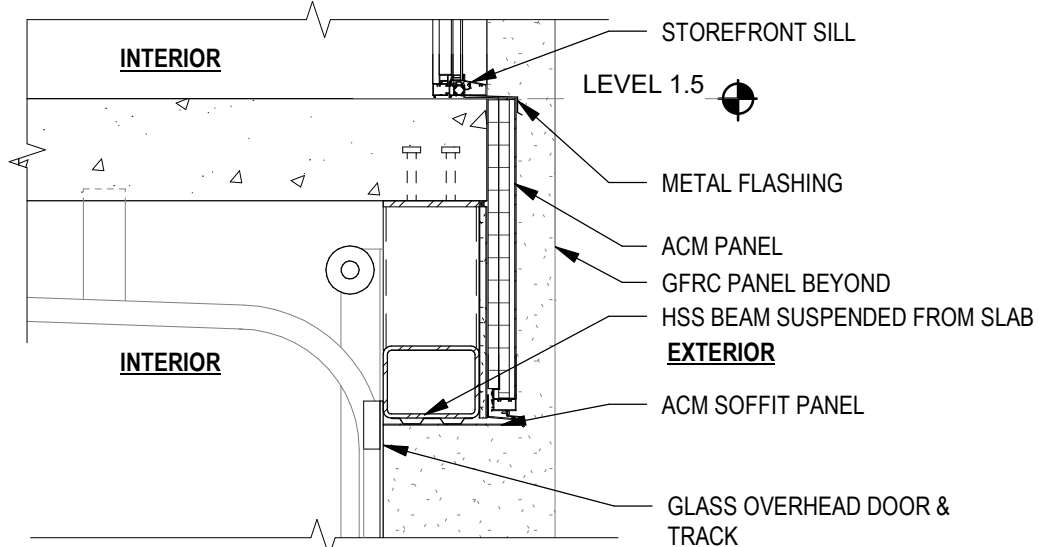




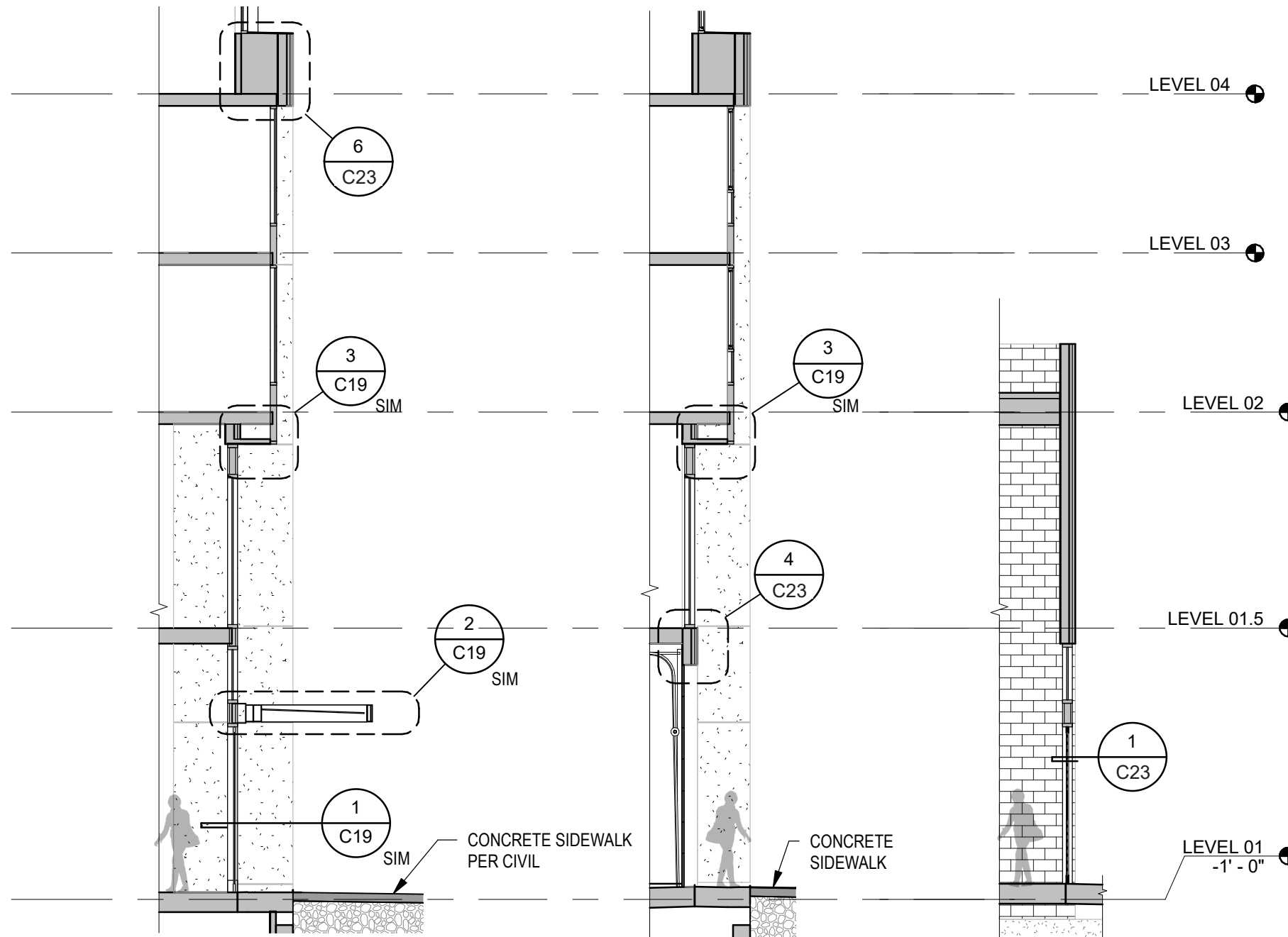
6 STEP @ LEVEL 04 - SECTION
3/4" = 1'-0"



5 EXTERIOR WALL @ SW CORNER - PLAN
3/4" = 1'-0"



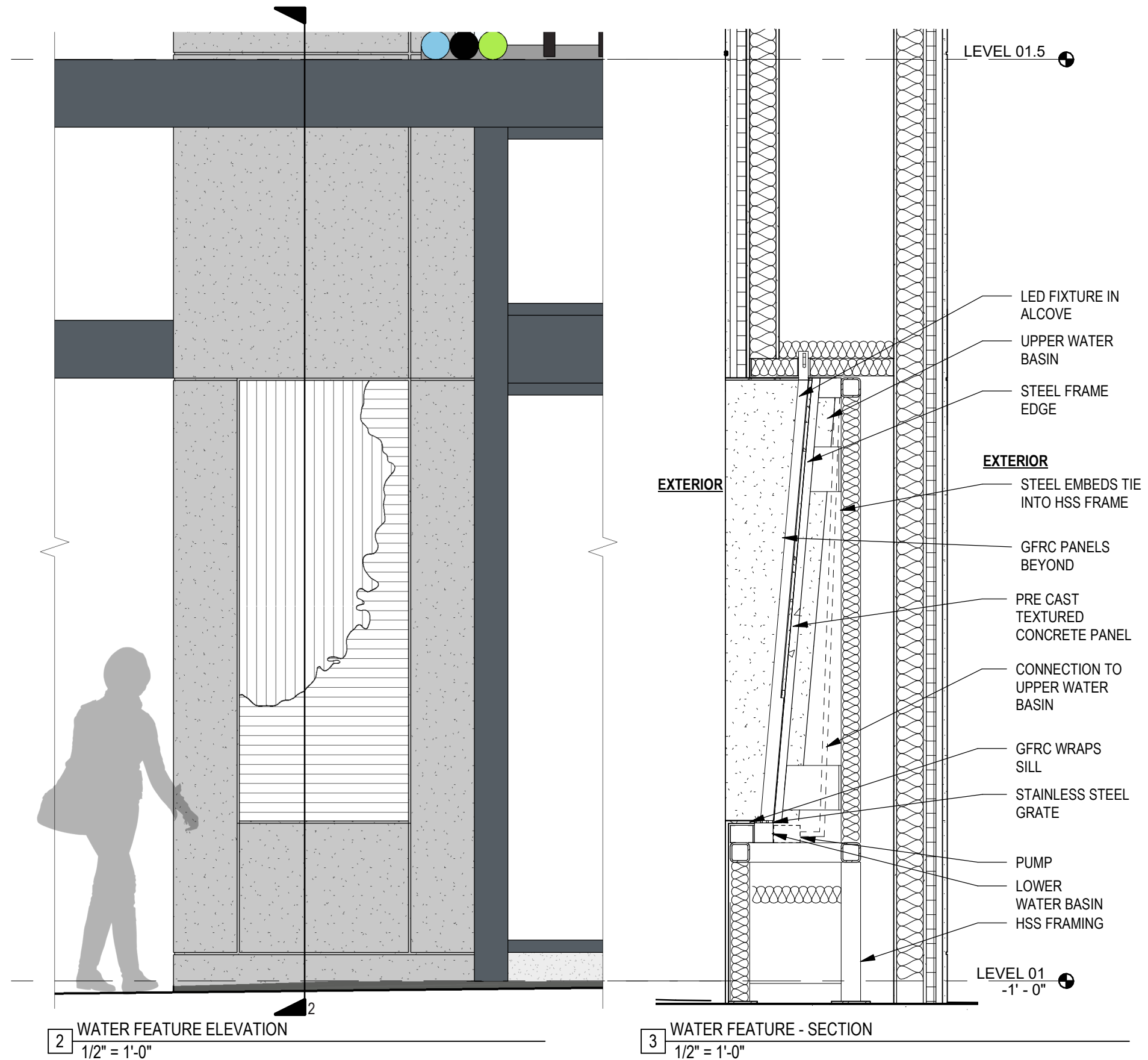
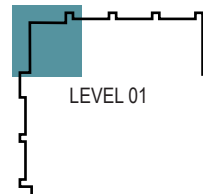
4 OVERHEAD DOOR HEAD - SECTION
3/4" = 1'-0"

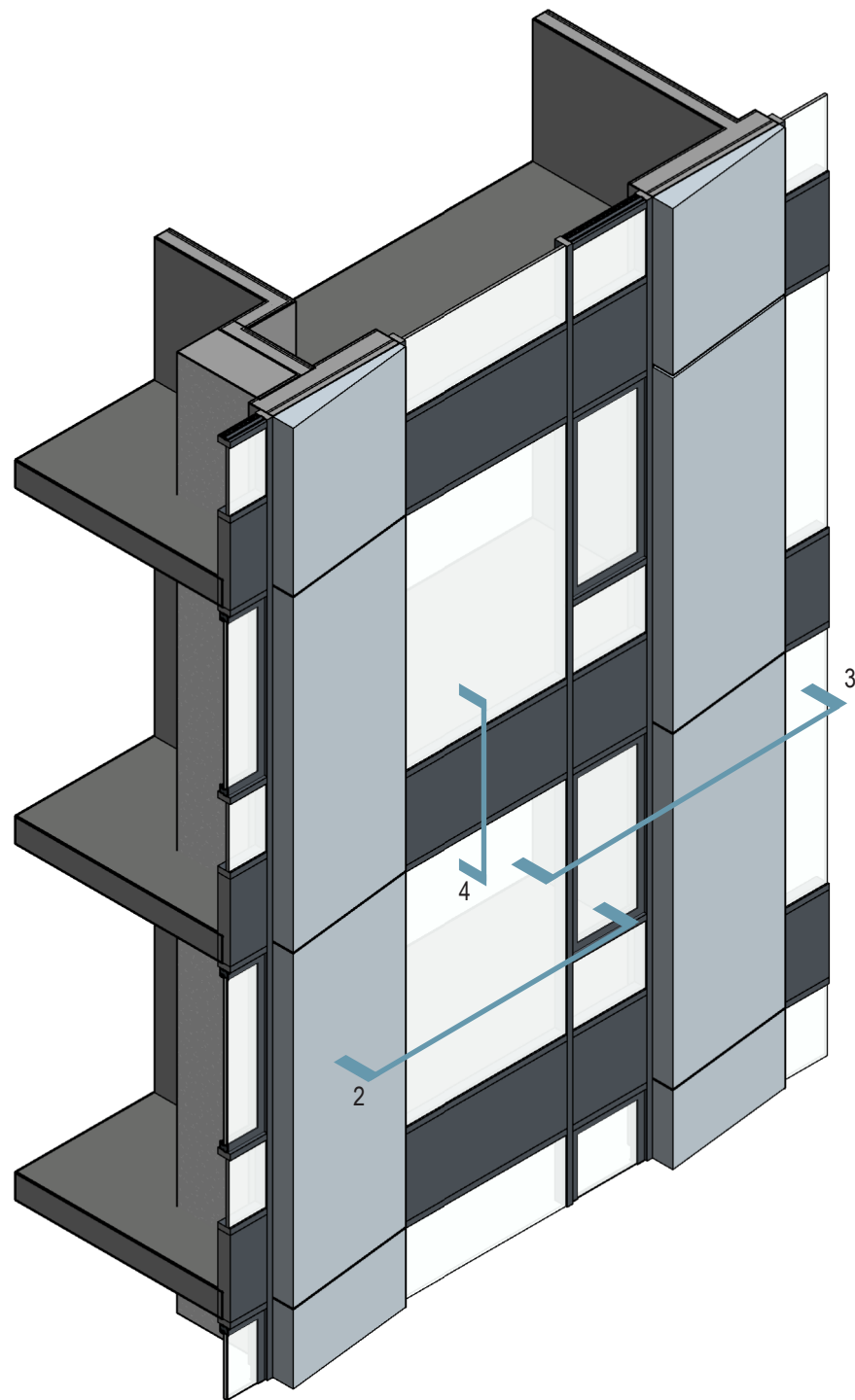


1 RESIDENTIAL ENTRY - WALL SECTION
1/8" = 1'-0"

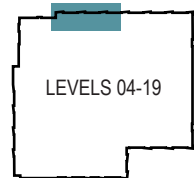
2 LOADING BAY - WALL SECTION
1/8" = 1'-0"

3 WALL SECTION
1/8" = 1'-0"

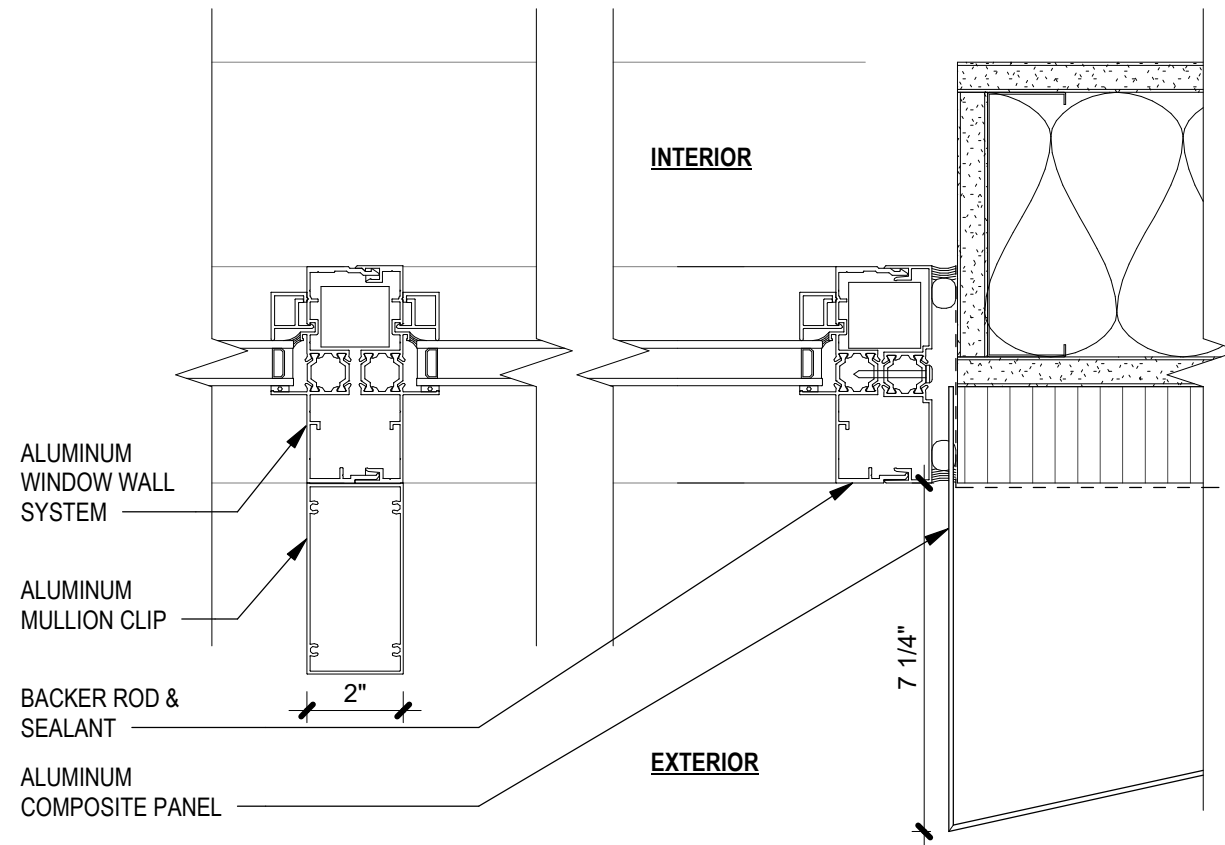




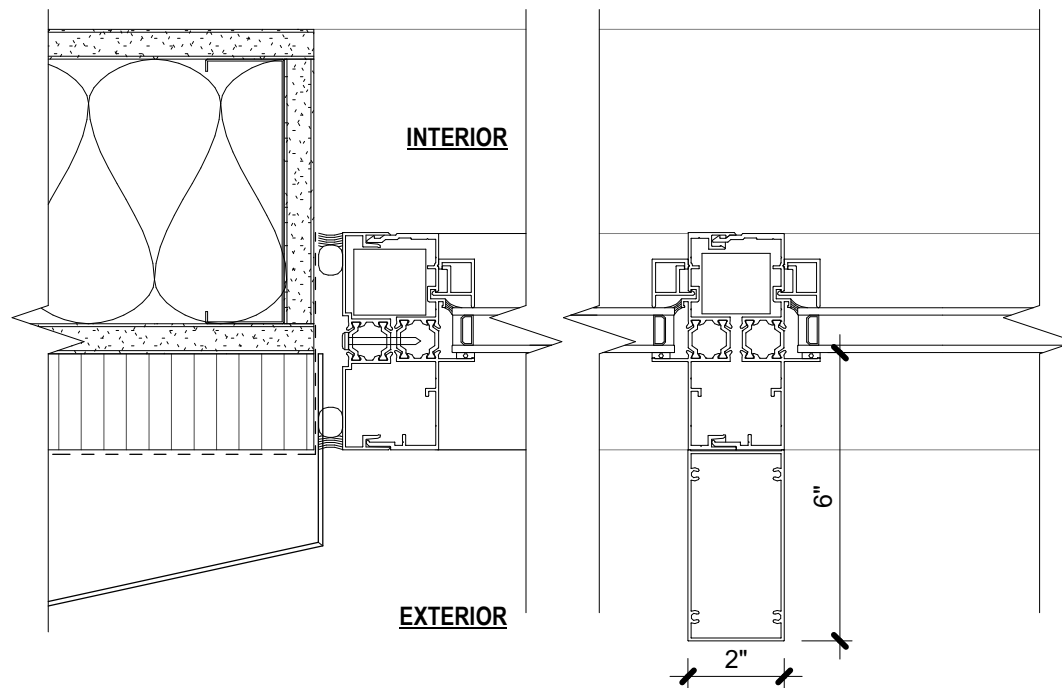
1 WINDOW WALL @ FACADE SHIFT



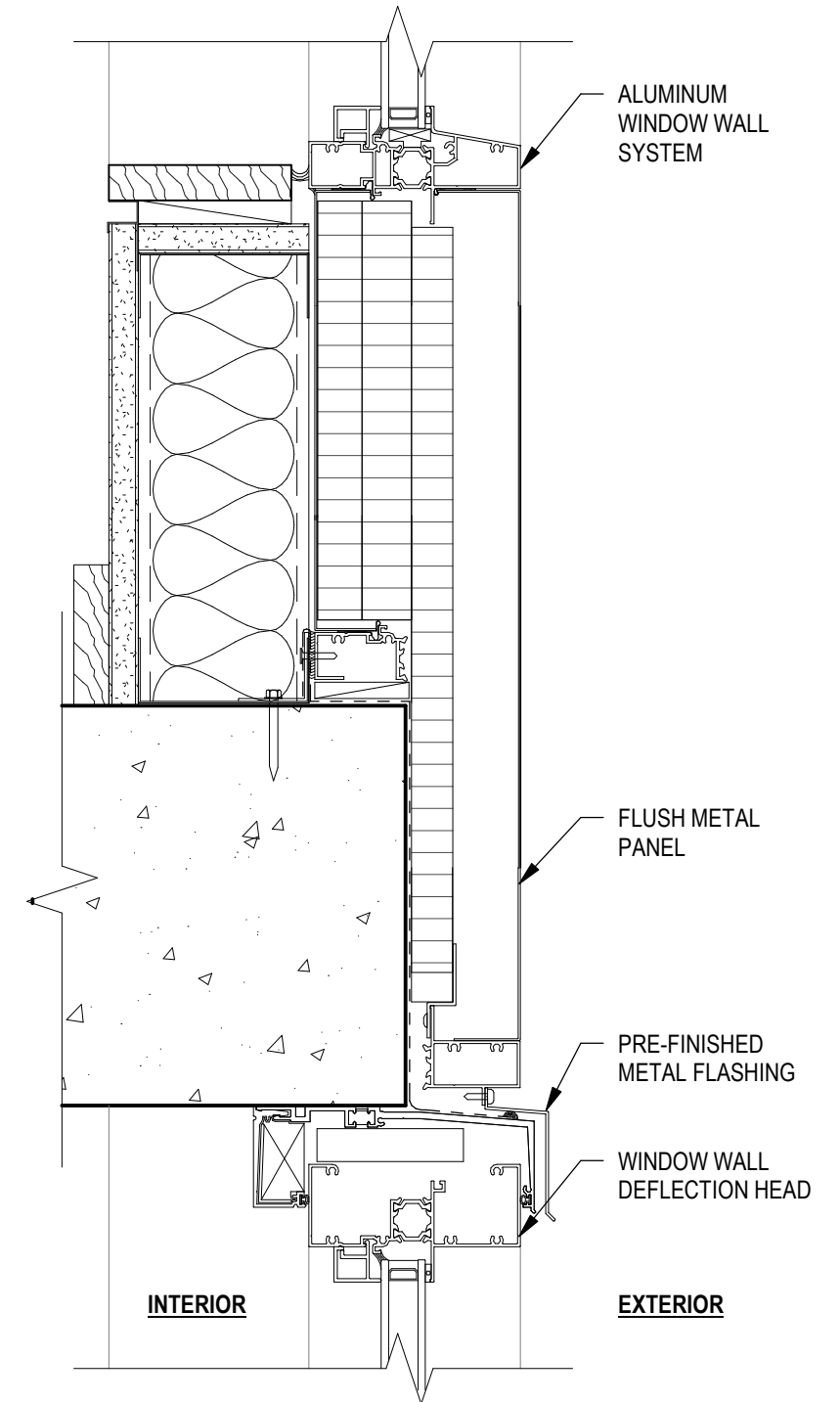
LEVELS 04-19



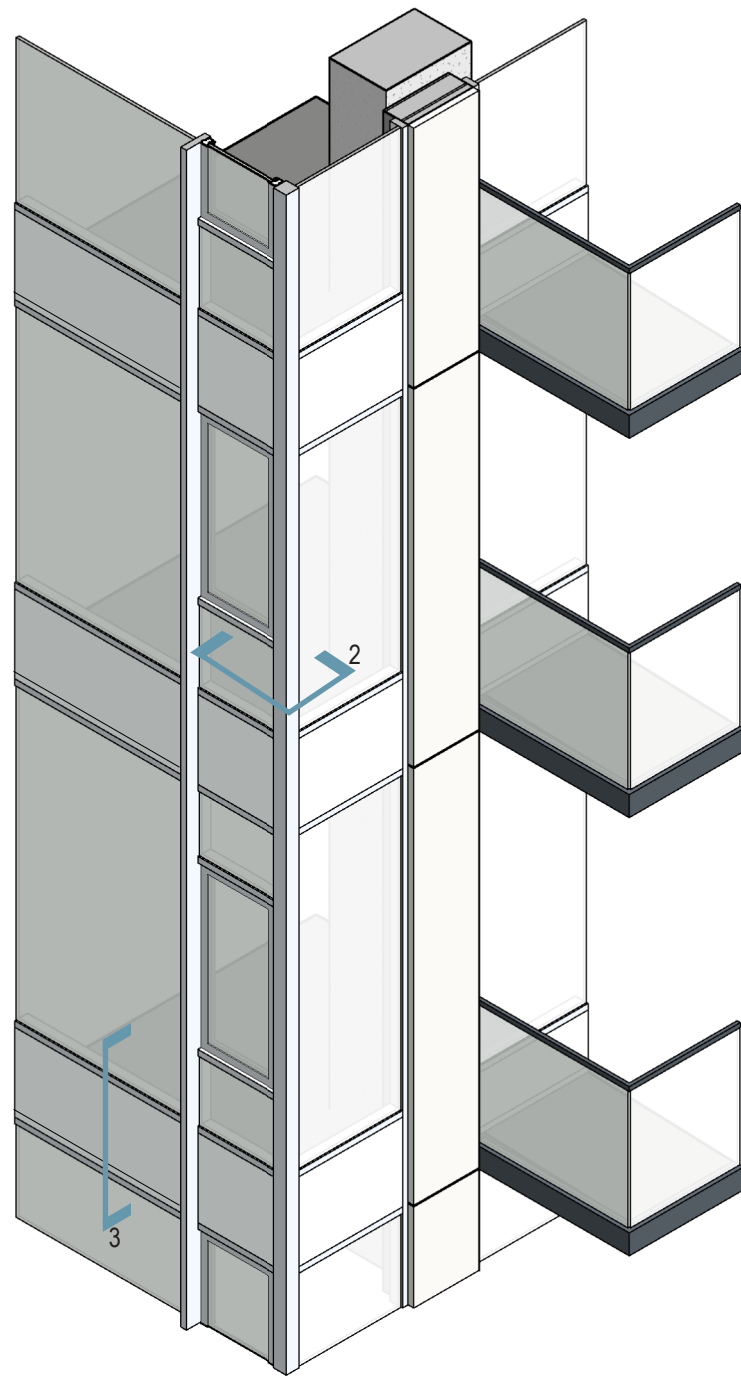
3 WINDOW JAMB @ ACM OUT - SECTION
3" = 1'-0"



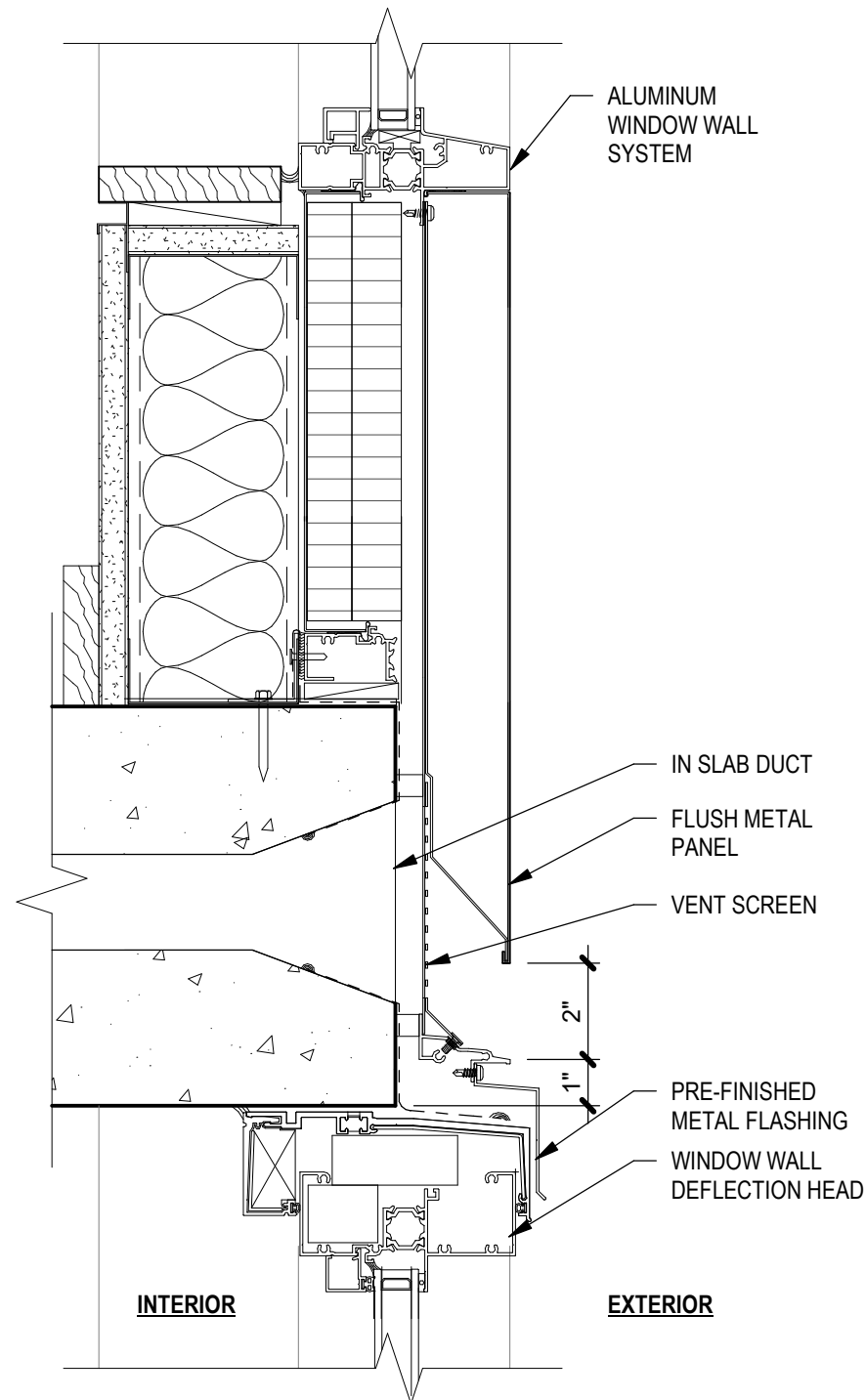
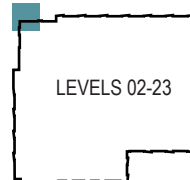
2 WINDOW JAMB @ ACM IN - SECTION
3" = 1'-0"



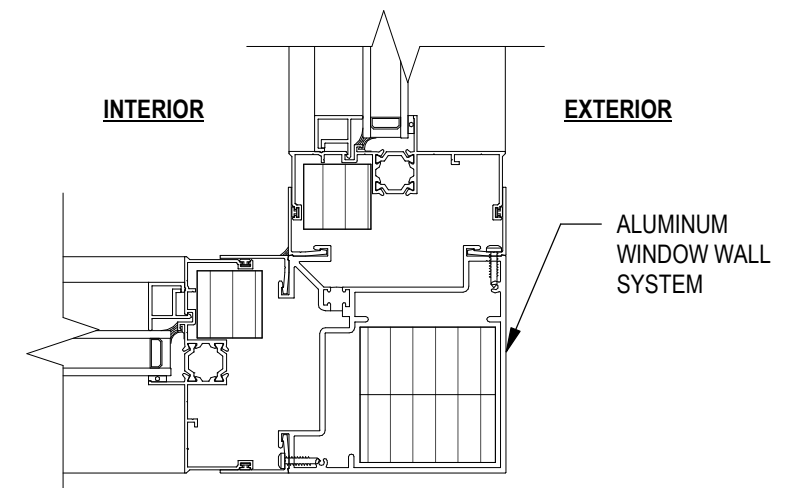
4 FACADE @ WINDOW HEAD & SILL - SECTION
3" = 1'-0"



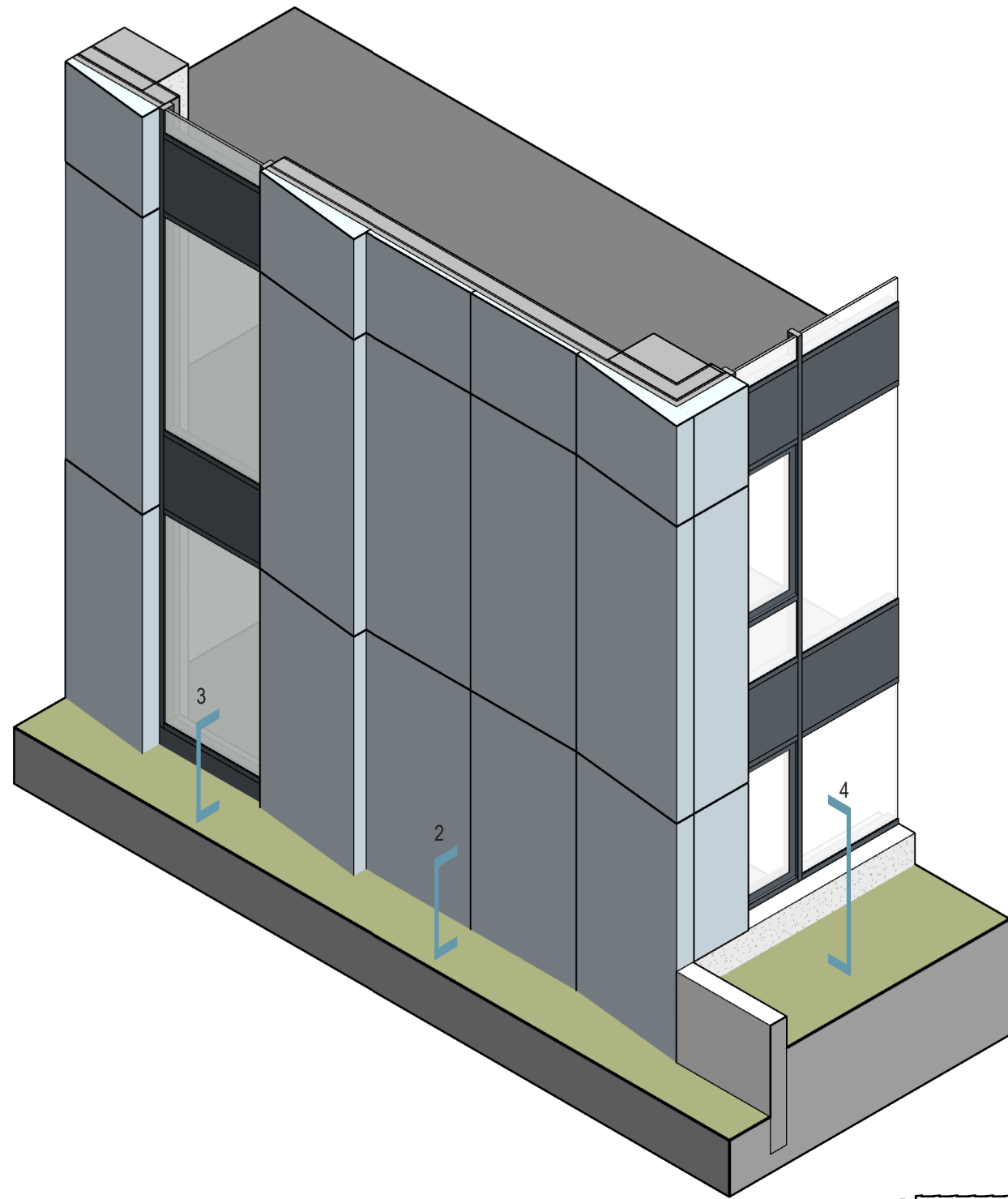
1 METAL PANEL & WINDOW WALL CORNER @ NW



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

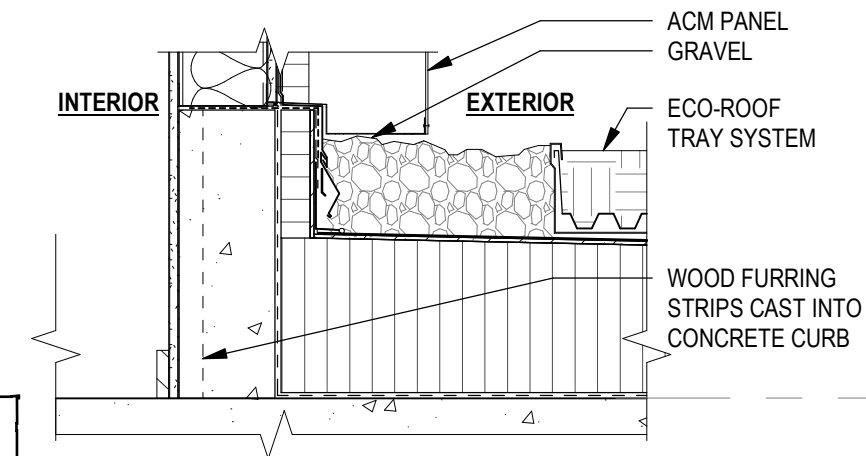


2 WINDOW WALL @ CORNER - PLAN
3" = 1'-0"

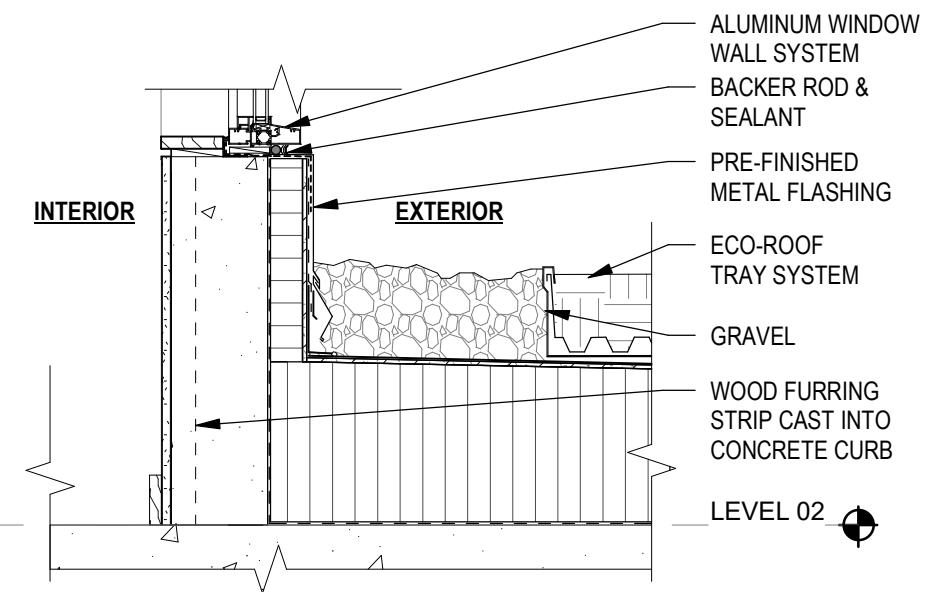


1 GREENROOF @ LEVEL 02

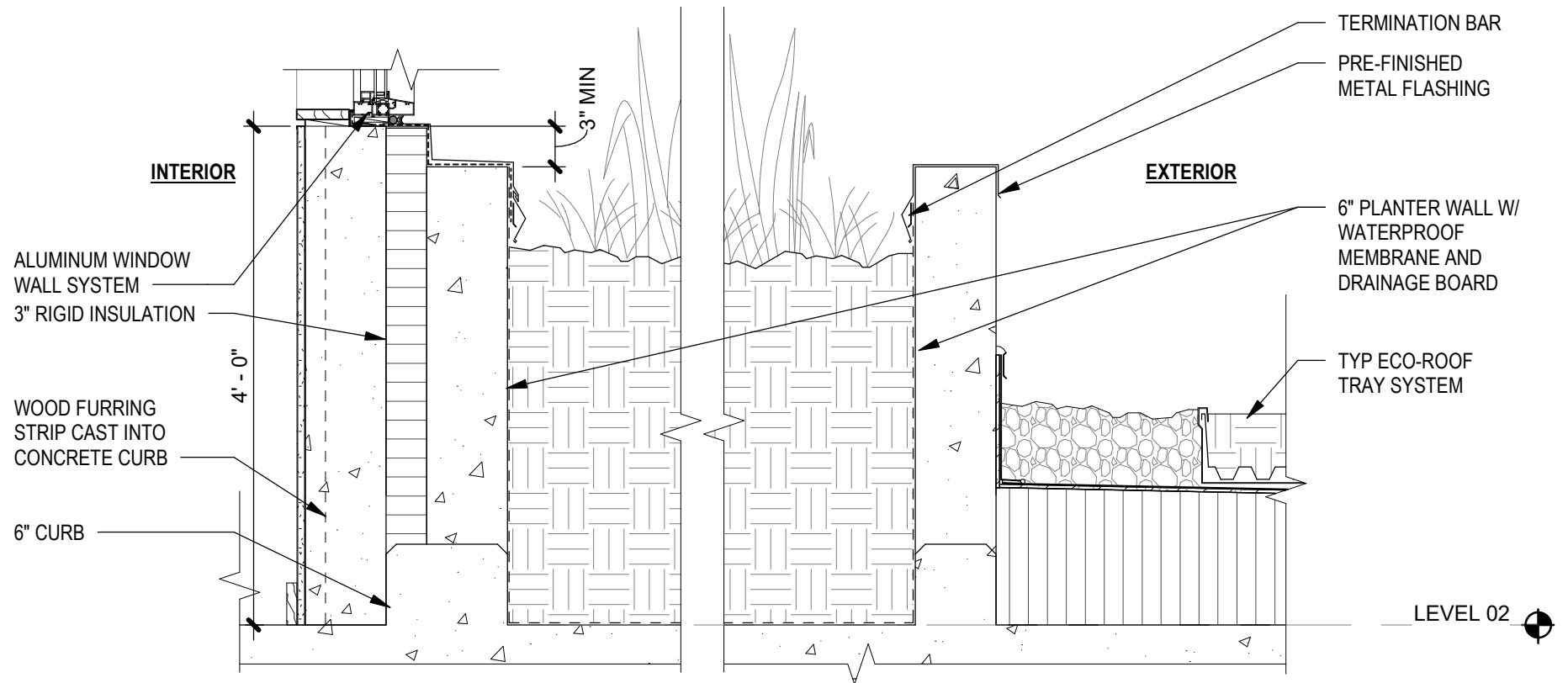
4 WINDOW WALL SILL @ GREEN ROOF - SECTION
1" = 1'-0"



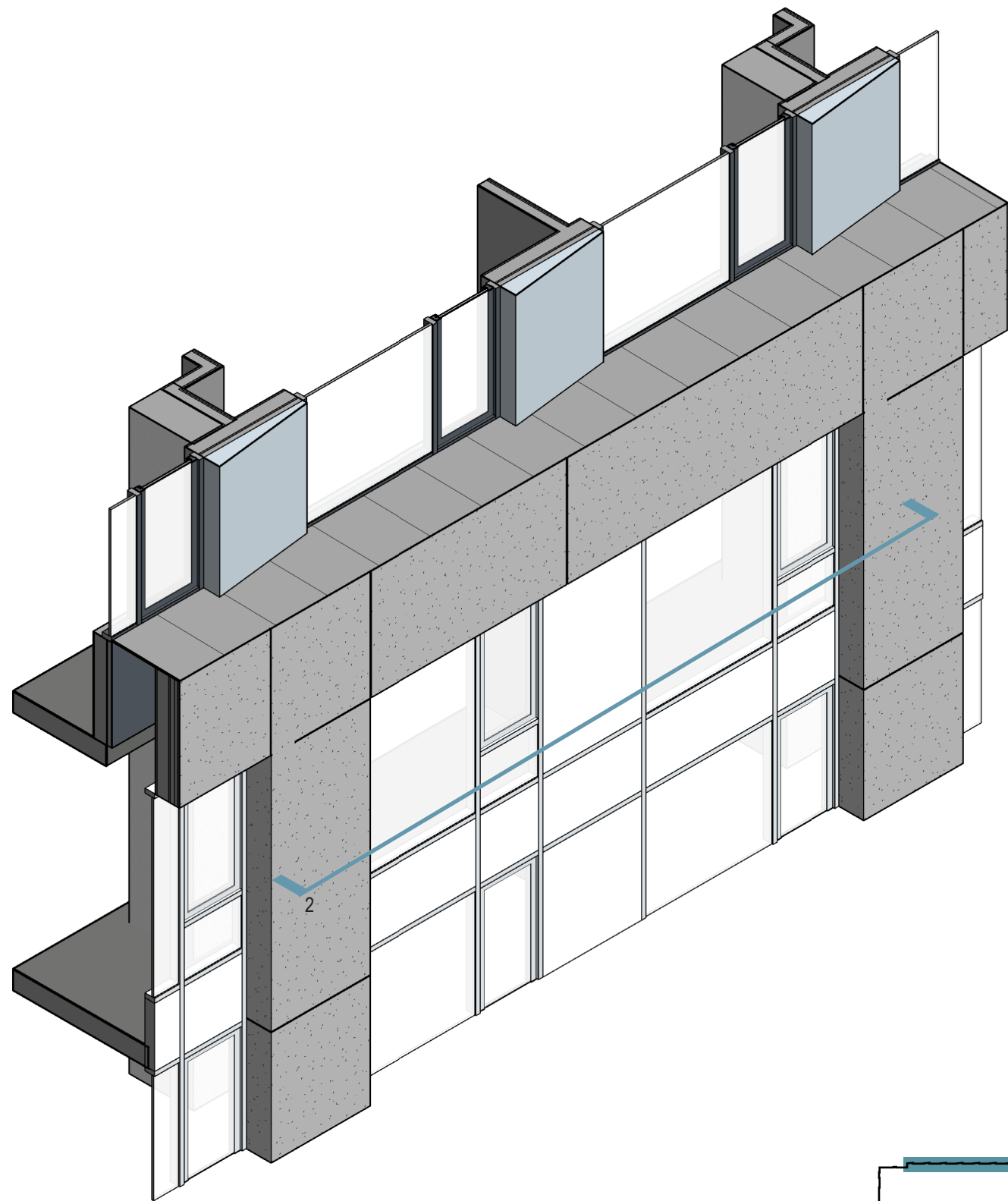
2 METAL PANEL @ GREEN ROOF - SECTION
1" = 1'-0"



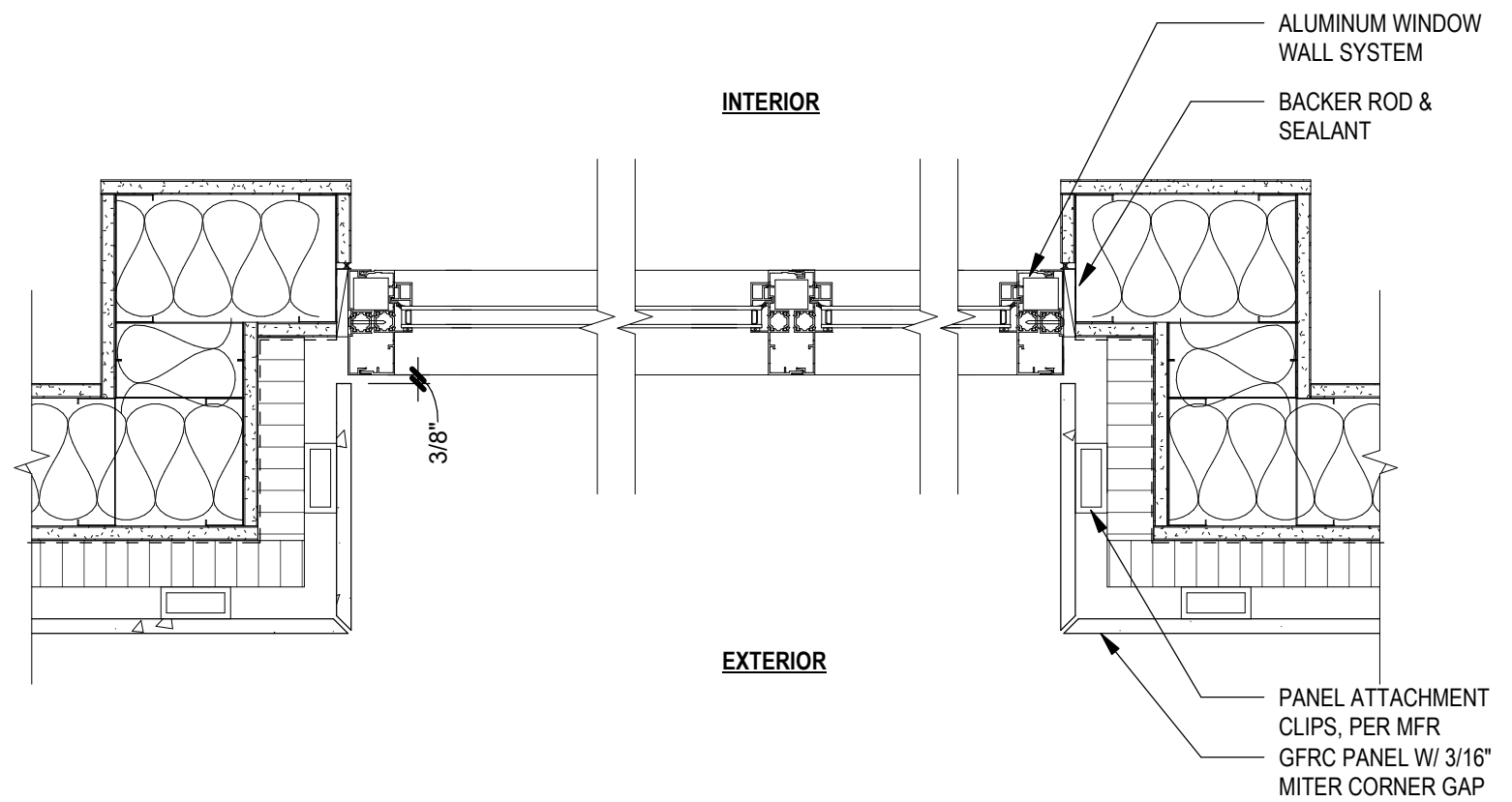
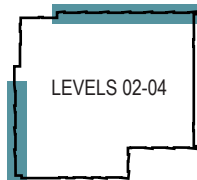
3 WINDOW WALL SILL @ GREEN ROOF - SECTION
1" = 1'-0"



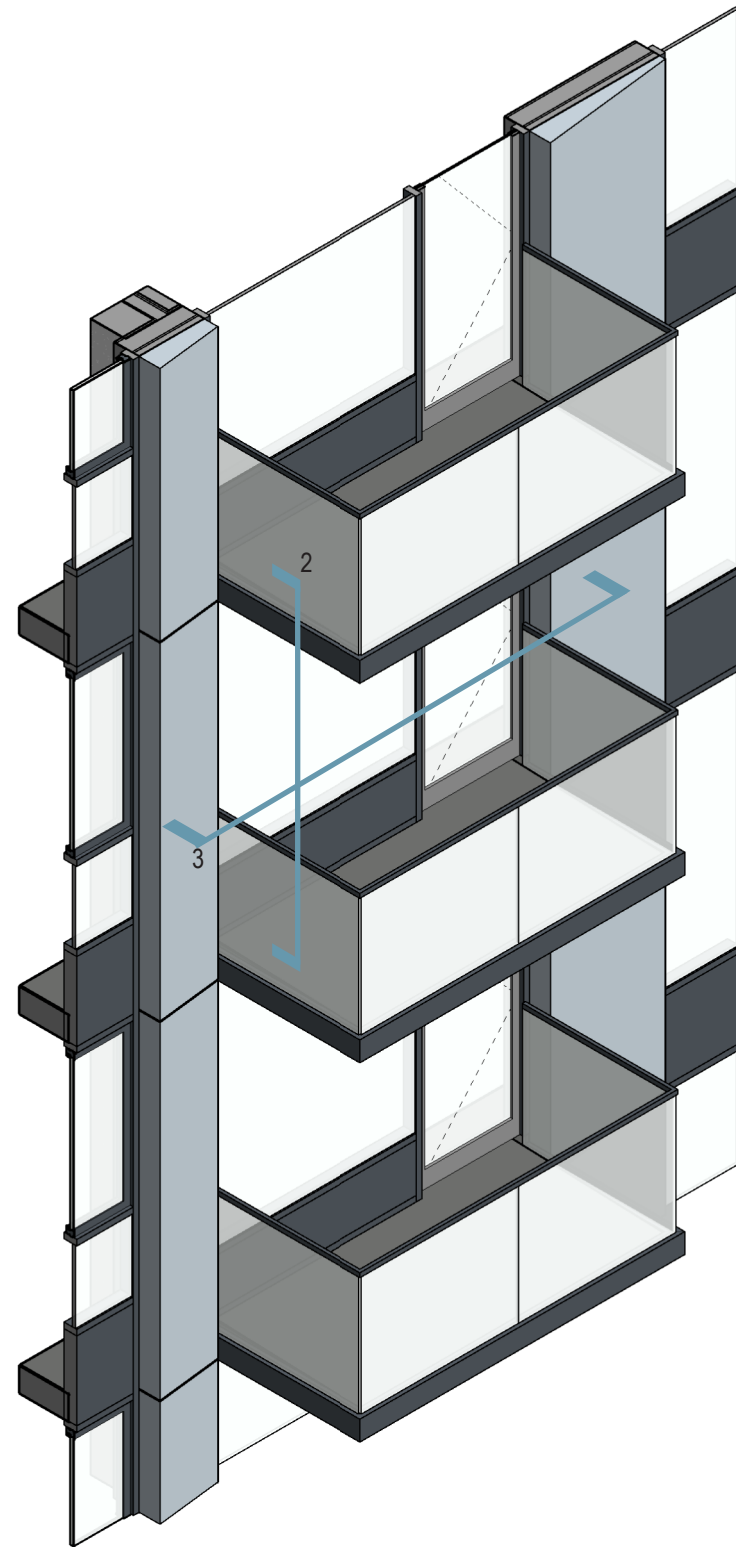
4 WINDOW WALL SILL @ GREEN ROOF - SECTION
1" = 1'-0"



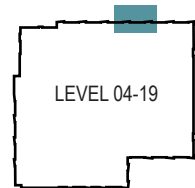
1 WINDOW SLOT



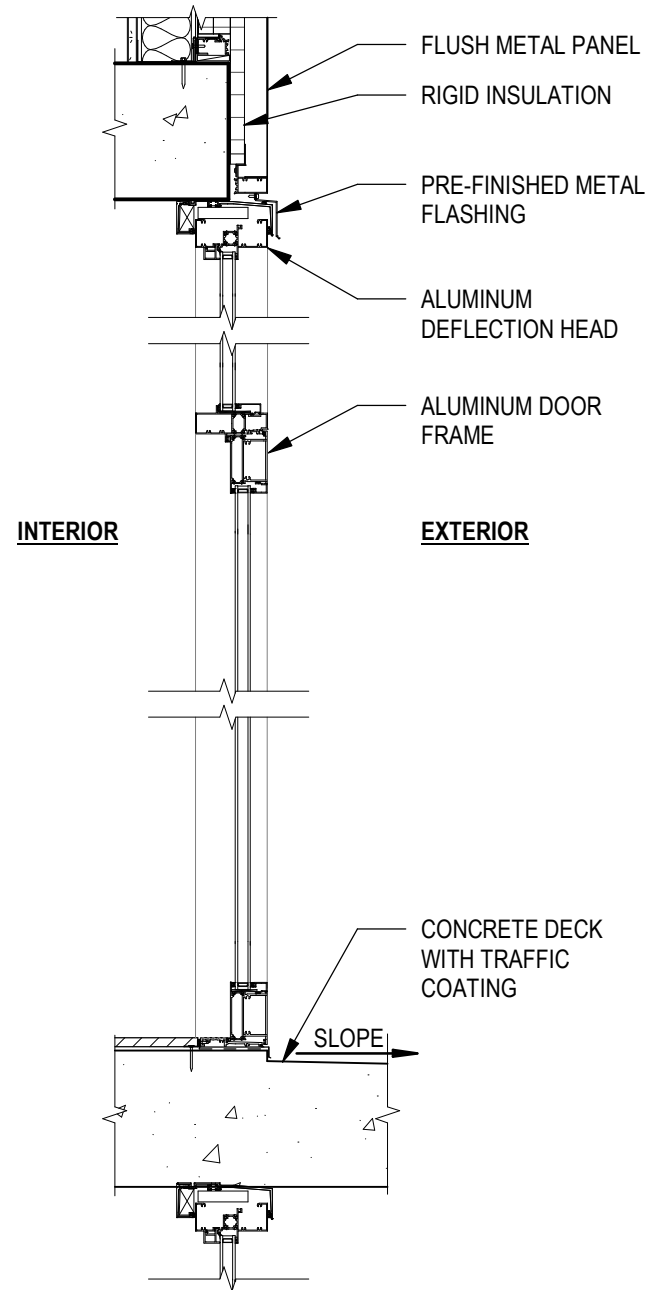
2 WINDOW SLOT JAMB - PLAN
1 1/2" = 1'-0"



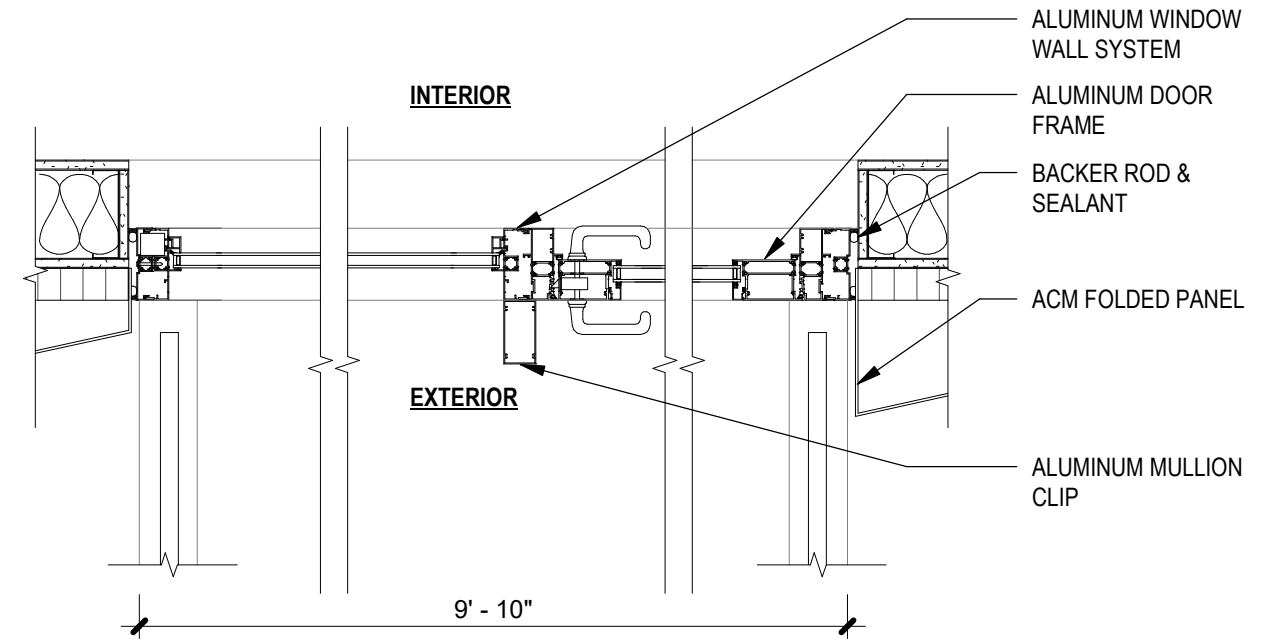
1 BALCONIES @ NORTH FACADE



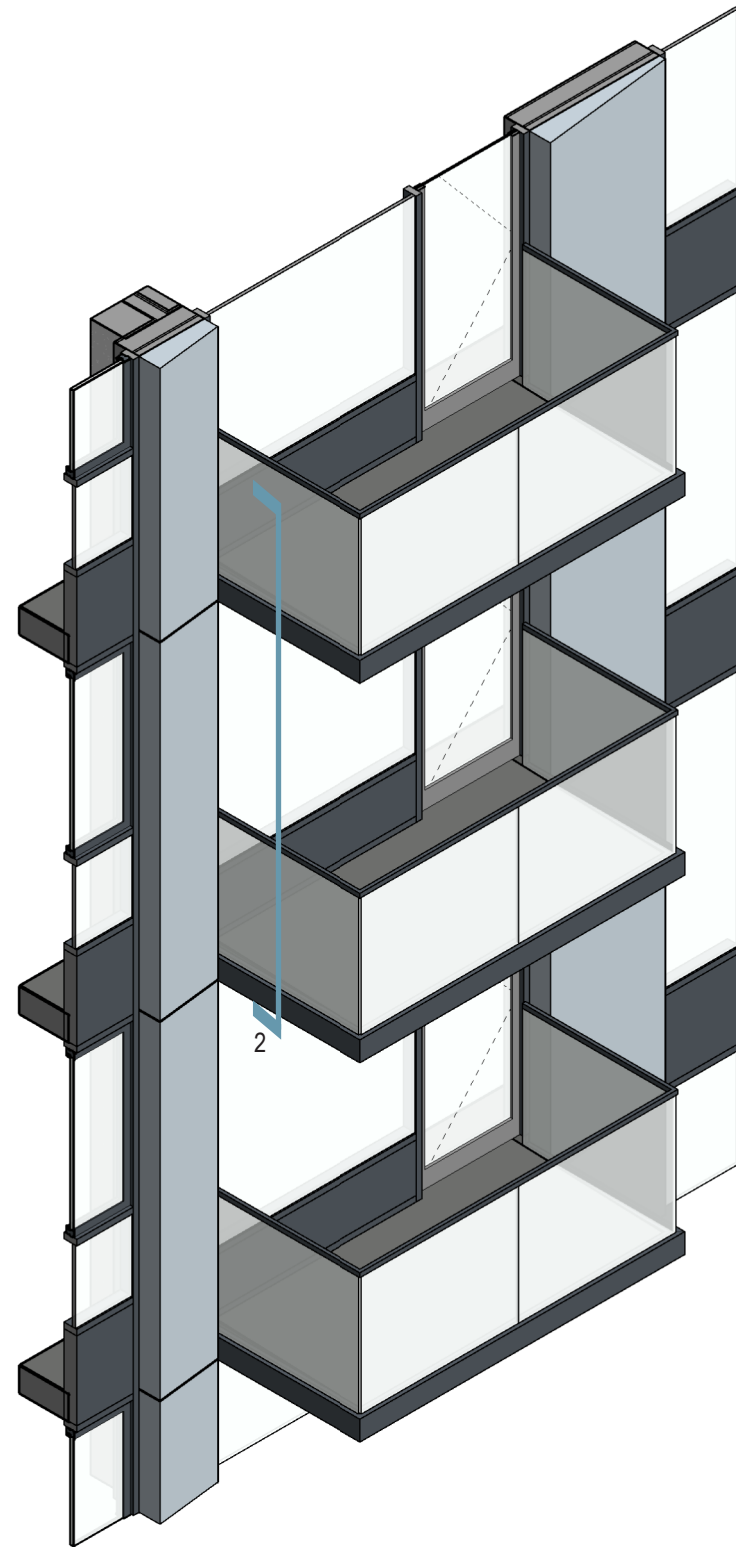
LEVEL 04-19



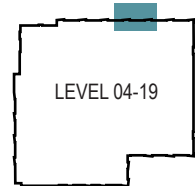
2 WINDOW WALL DOOR @ BALCONY - SECTION
1" = 1'-0"



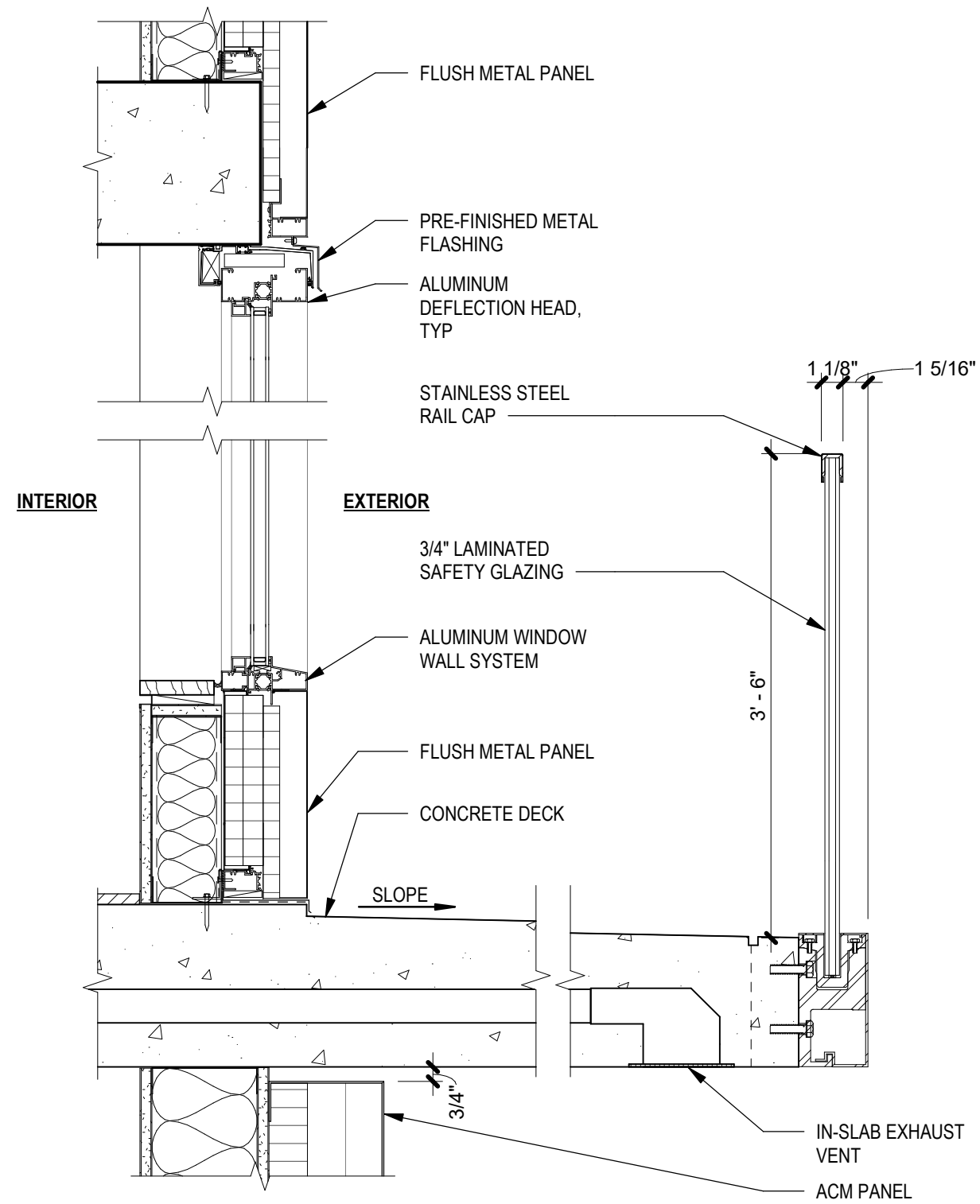
3 WINDOW WALL DOOR @ BALCONY - PLAN
1" = 1'-0"



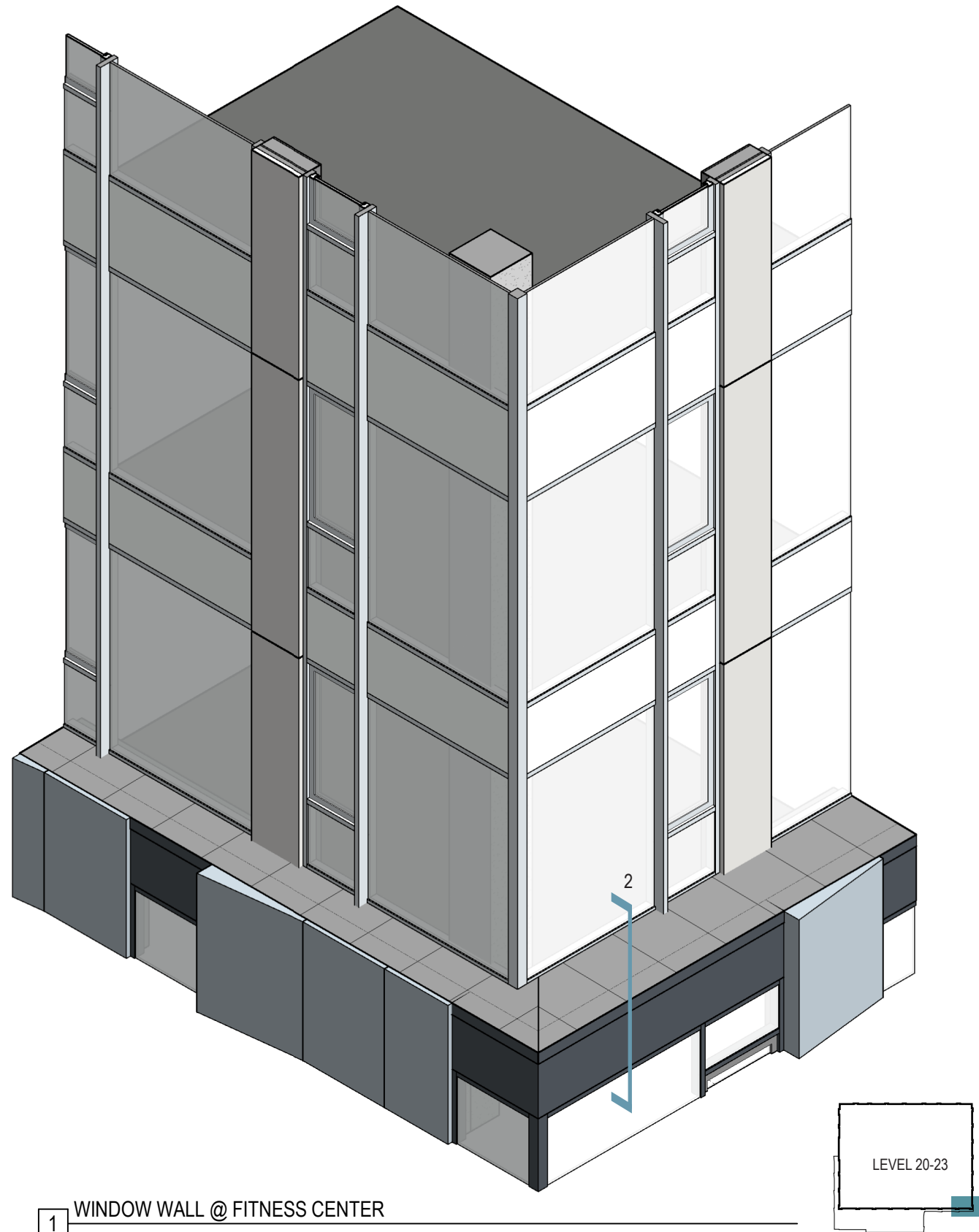
1 BALCONIES @ NORTH FACADE



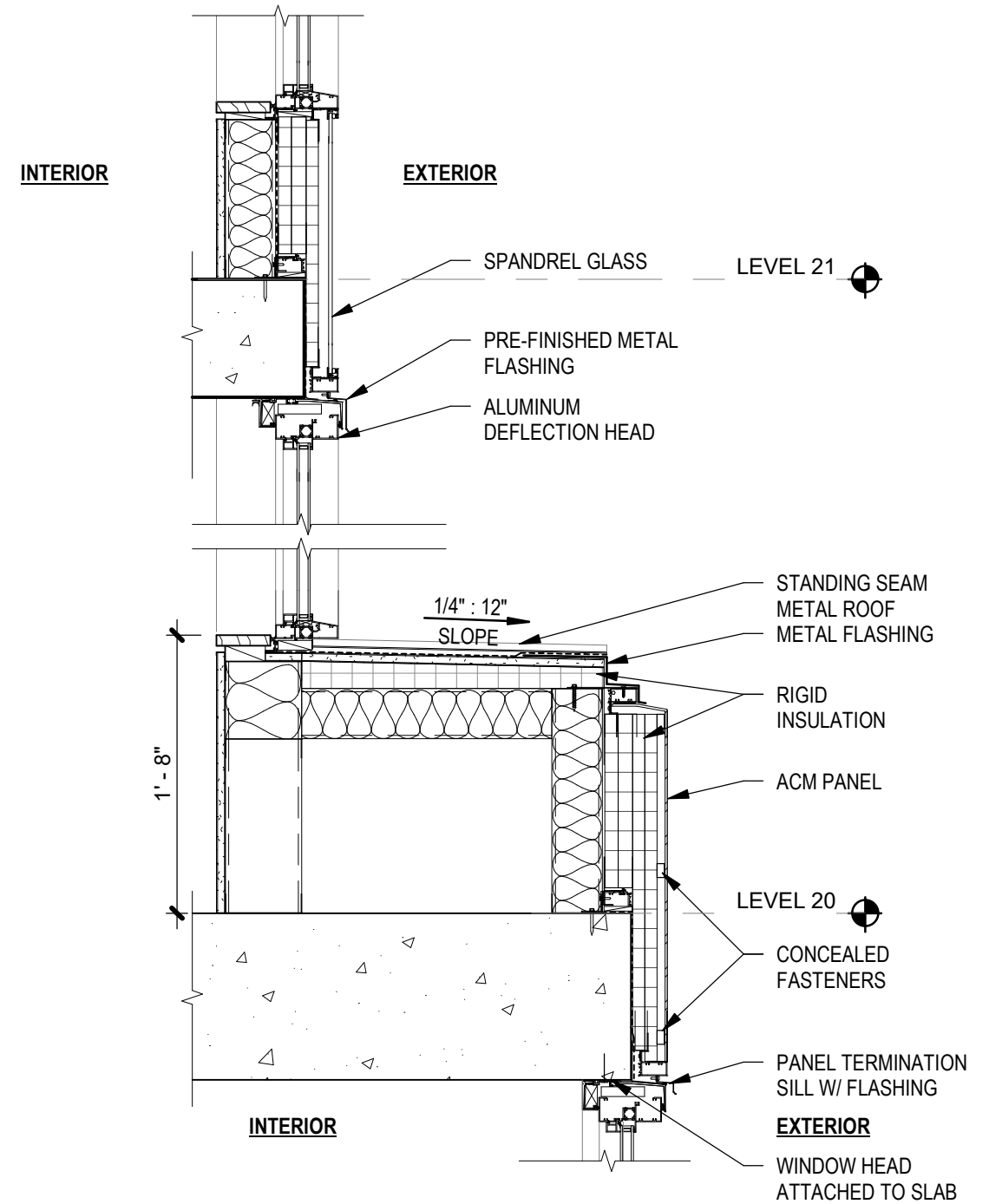
LEVEL 04-19



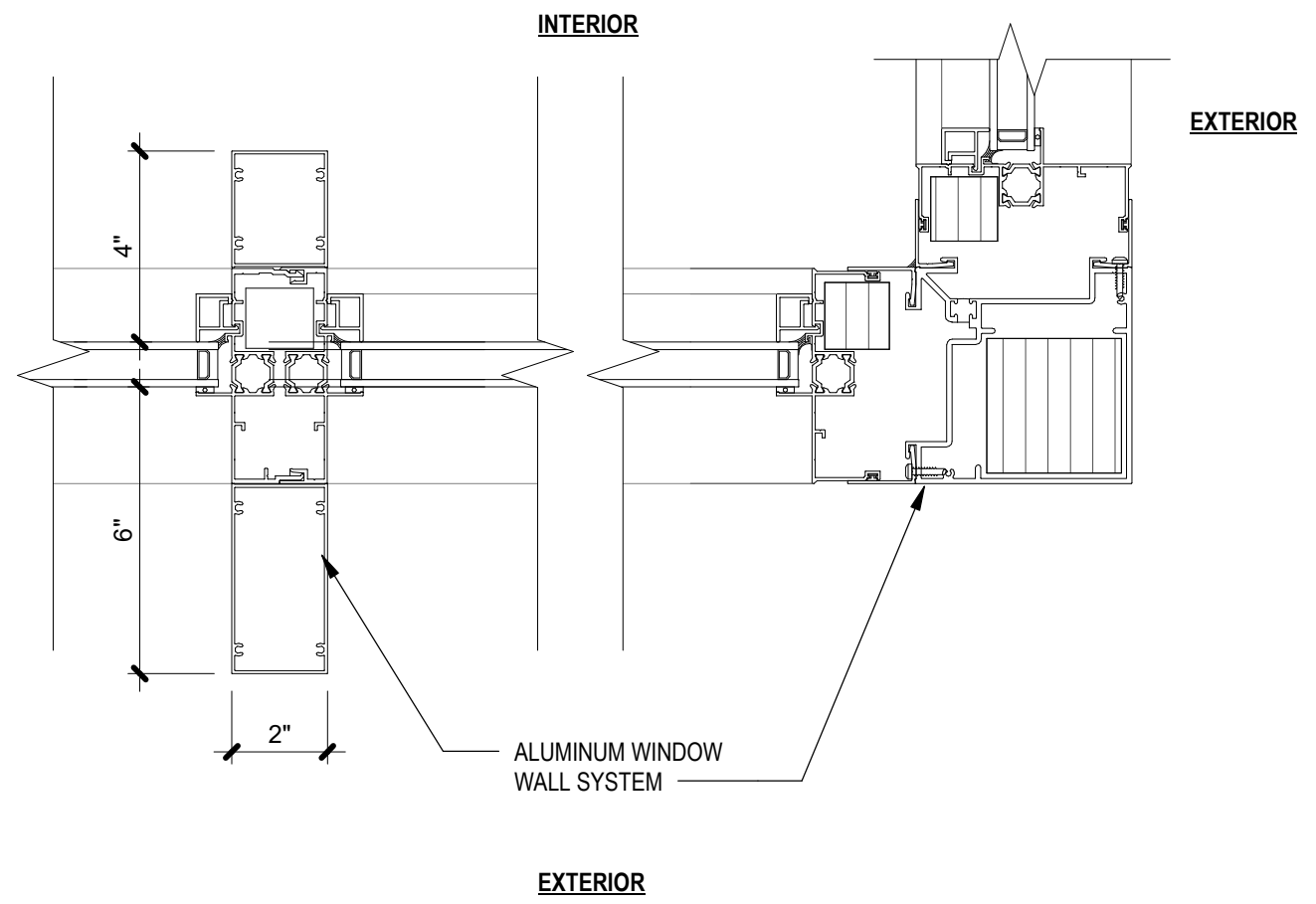
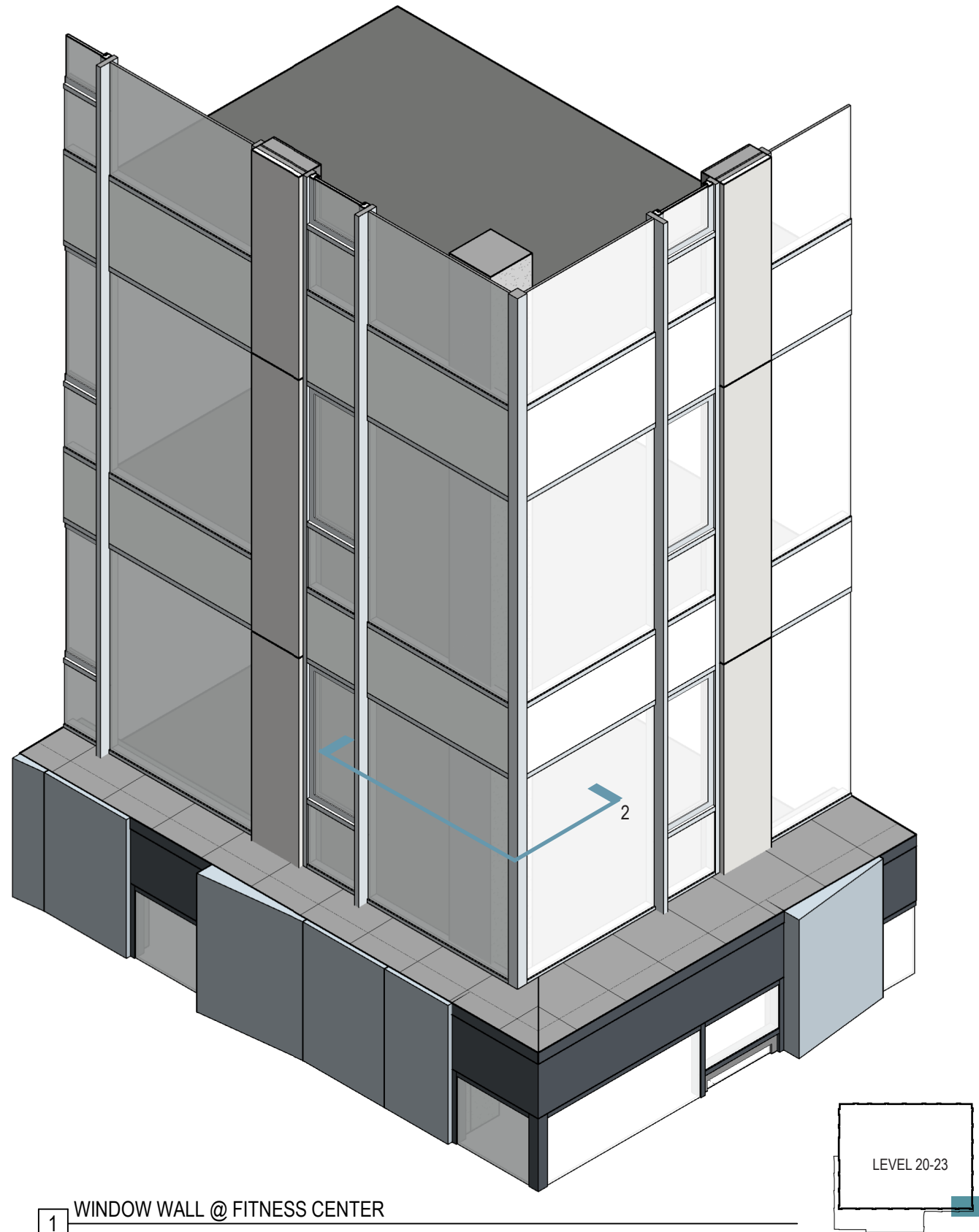
2 WINDOW WALL SILL @ BALCONY - SECTION
1 1/2" = 1'-0"



1 WINDOW WALL @ FITNESS CENTER

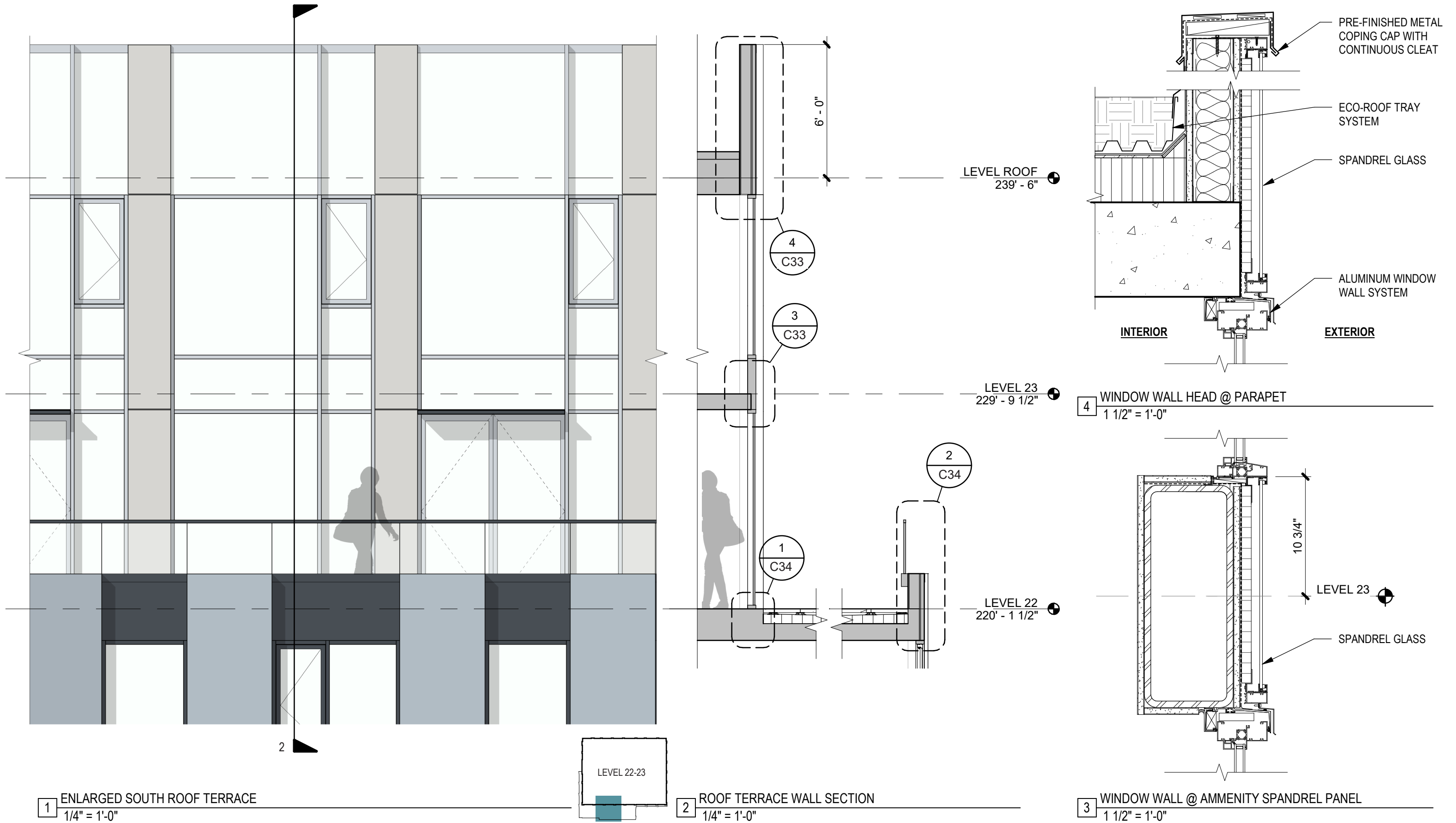


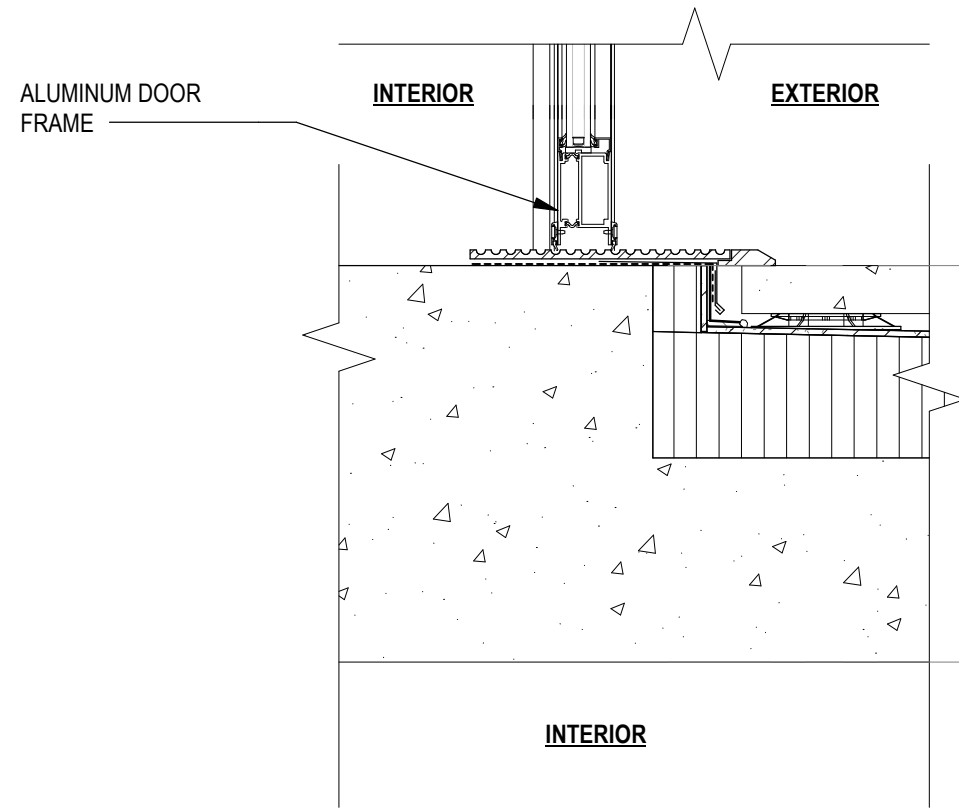
2 WINDOW WALL @ LEVEL 20 - SECTION
1" = 1'-0"



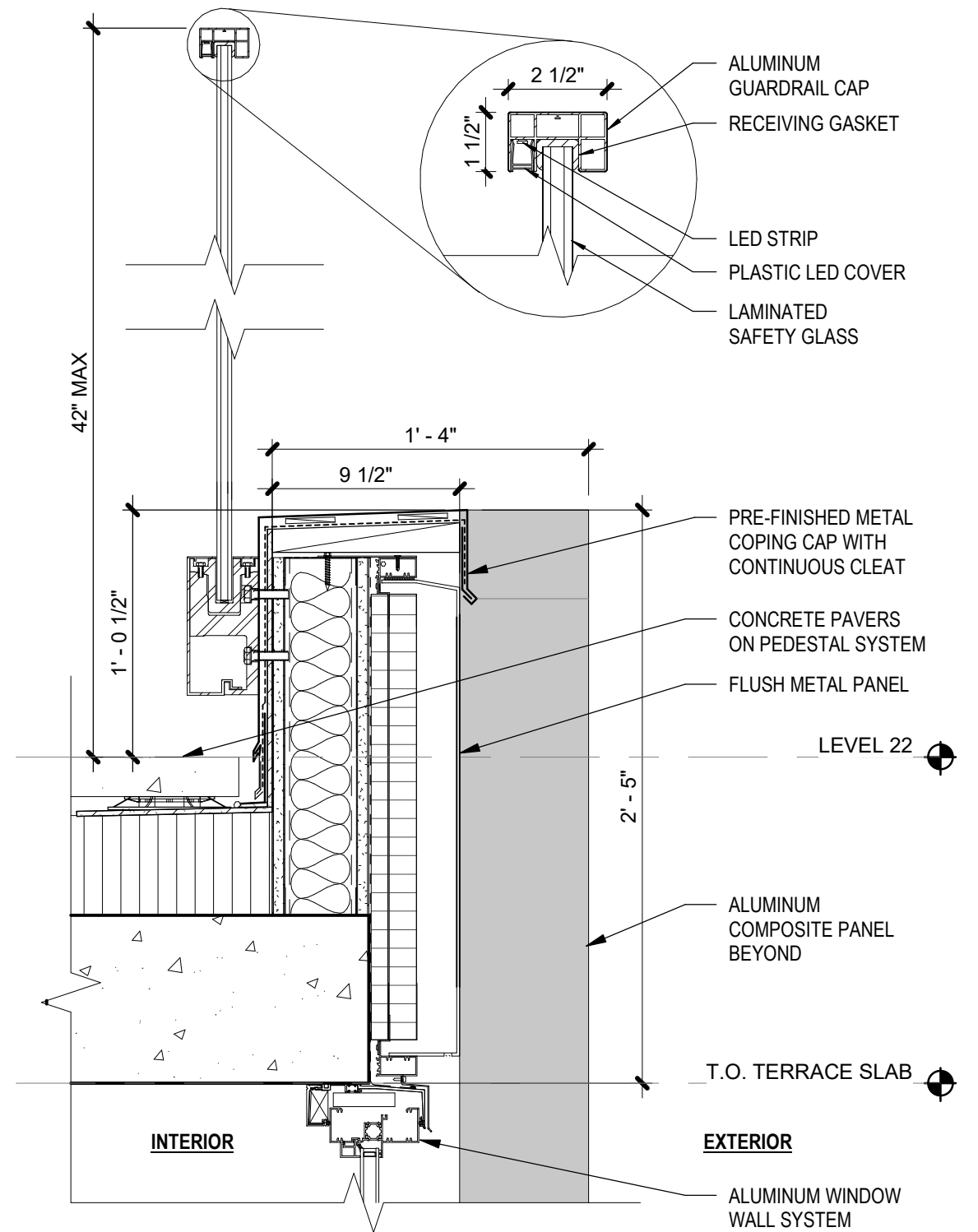
1 WINDOW WALL @ FITNESS CENTER

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

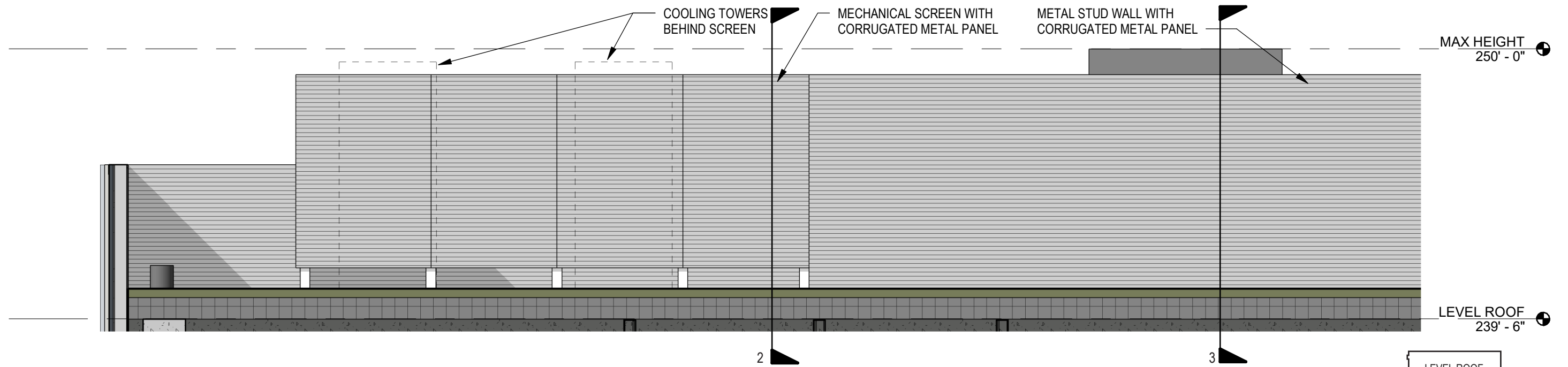




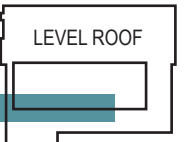
1 WINDOW WALL DOOR THRESHOLD @ PEDESTALS
1 1/2" = 1'-0"



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"



GFRP PANELS



METAL LOUVERS



STEEL FRAME GLASS CANOPY



ALUMINUM STOREFRONT



FOLDING GLASS WALL

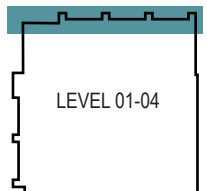


SLIDING GLASS DOORS



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

FOLDING GLASS WALLS



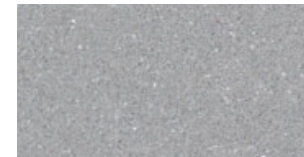
HYATT PLACE | TYPE III DESIGN REVIEW | MATERIALS/COLORS - LEVEL 01 - NORTH

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C.36

FOLDING GLASS WALL ADDED



GFRc PANELS



METAL LOUVERS



STEEL FRAME GLASS CANOPY



ALUMINUM STOREFRONT



ALUMINUM + GLASS OVRHD DOOR



SLIDING GLASS DOORS



LEVEL 04

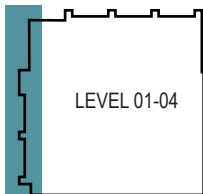
LEVEL 03

LEVEL 02

LEVEL 01.5

LEVEL 01
-1'-0"

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



HYATT PLACE | TYPE III DESIGN REVIEW | MATERIALS/COLORS - LEVEL 01 - WEST

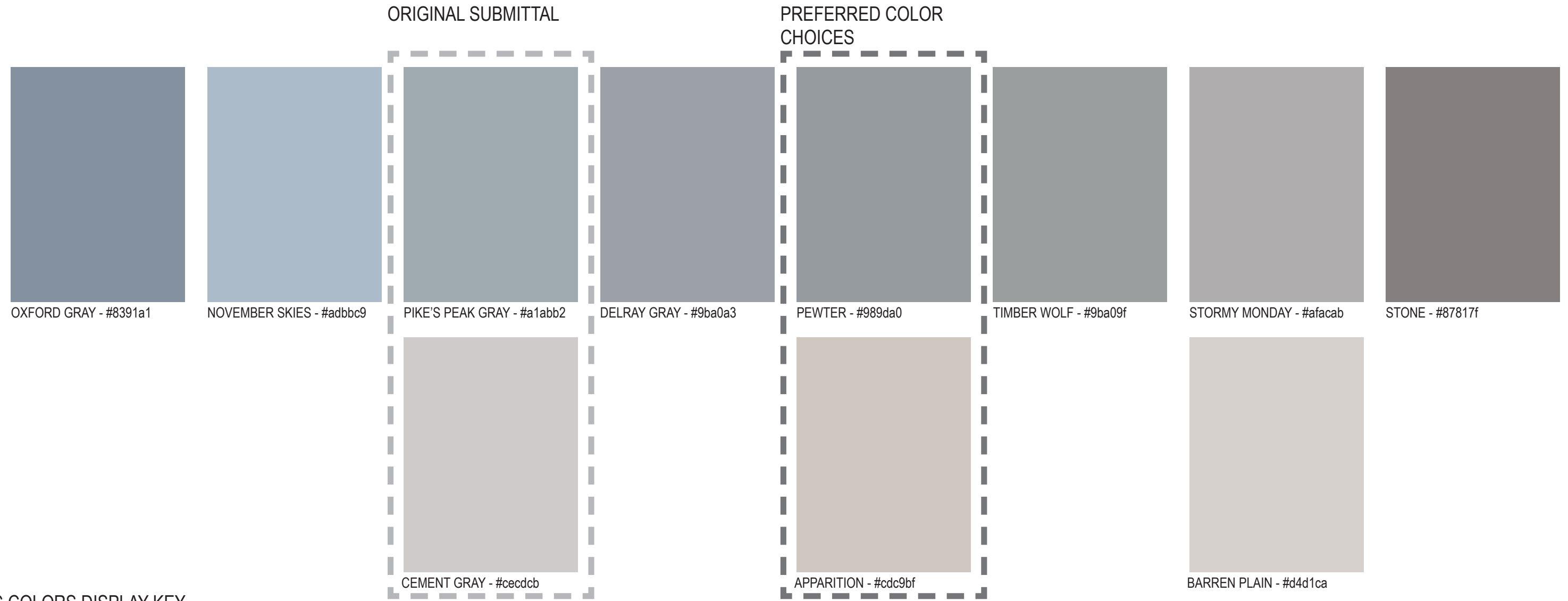
DECEMBER 5, 2019 | PROJECT 18177 | LU 19-145295 DZM



C.37

MIDDLE ACM COLORS

TOP / CORNER ACM COLORS



BUILDING COLORS DISPLAY KEY

At the request of staff planners the team prepared a color display showing the range of colors being considered. These range from cool gray to warm gray for the ACM panels used in the building middle. The far right and left colors illustrate the color family only and do not represent color to be selected for the building.

Color for the ACM panels used in the building top/corner were selected to work with the middle panels. The colors were selected in outside light in shade and full sun. The color samples must also be reviewed in outside light for an accurate reading.

During Hearing 2, the Design Commission suggested considering a warmer color. In preparing this display working in outside light, we fine-tuned the selections. These are indicated in the color display as Original Submittal and the new Preferred Color Choices.

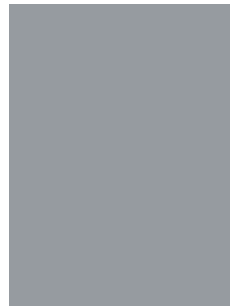
The display is organized as follows:

- The top row shows the full range cool gray to warm gray for building middle ACM panels
- The bottom row shows colors for building top/corner ACM panels selected to work with the original and preferred colors of the middle ACM panels
- Colors for metal window wall frames are shown on the next page adjacent to the Preferred Color Choices

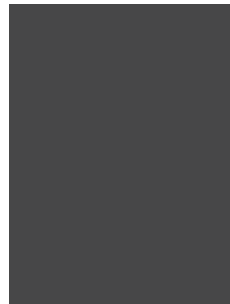
The colors on this page and next page are digital representations of the colors. Accurate color samples can be found with this submittal.



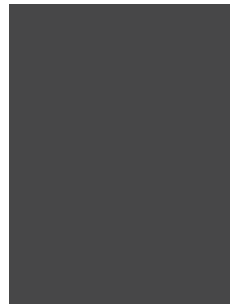
MIDDLE



ACM Panel
Pewter - #989da0



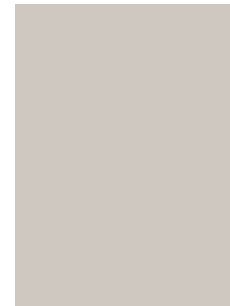
WW Mullions
Charcoal Gray



Spandrel - Glass
Charcoal Gray



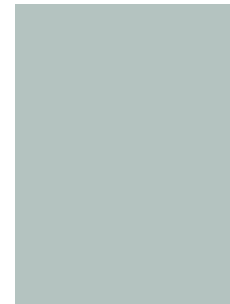
TOP / CORNER



ACM Panel
Apparition - #cdc9bf



WW Mullions
Iron Mountain Grey



Spandrel - Glass
Solarban 60

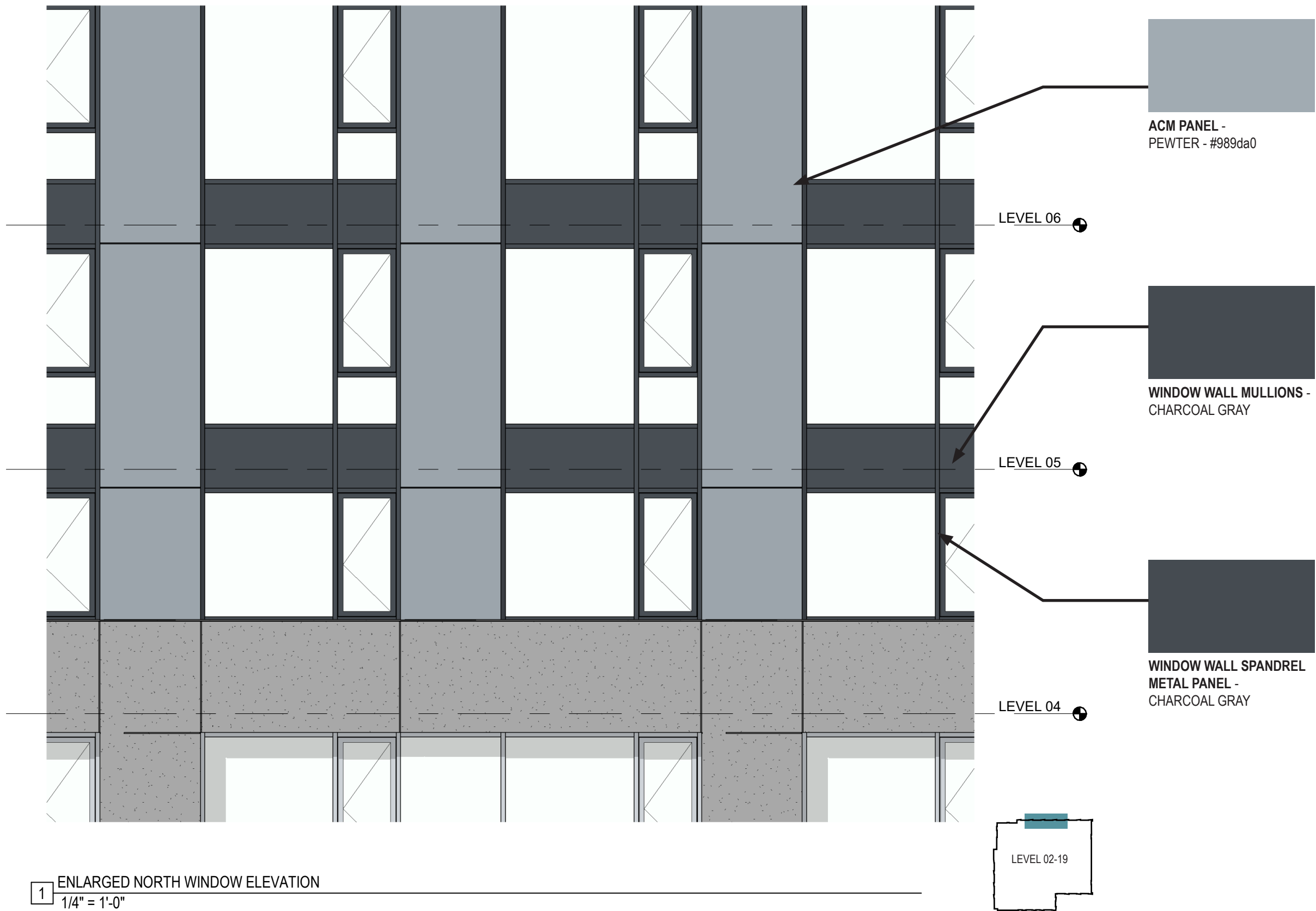
HYATT PLACE | TYPE III DESIGN REVIEW | MATERIALS/COLORS - MIDDLE + TOP/CORNER

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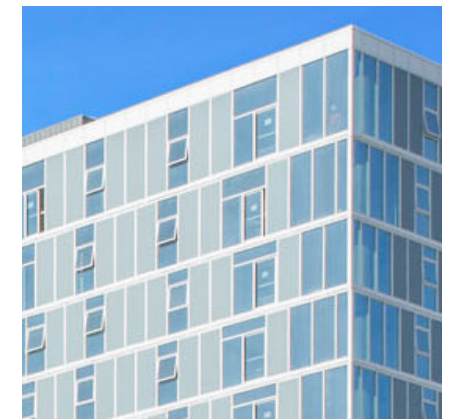


C.39

CLARIFICATION OF COLORS



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



ACM PANEL -
APPARITION - #cdc9bf



WINDOW WALL MULLIONS -
IRON MOUNTAIN GREY



WINDOW WALL SPANDREL
GLASS



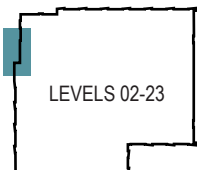
ACM METAL PANELS



BALCONY WITH LAMINATED GLASS
GUARDRAIL AND METAL FASCIA



INSULATED GLASS UNIT



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

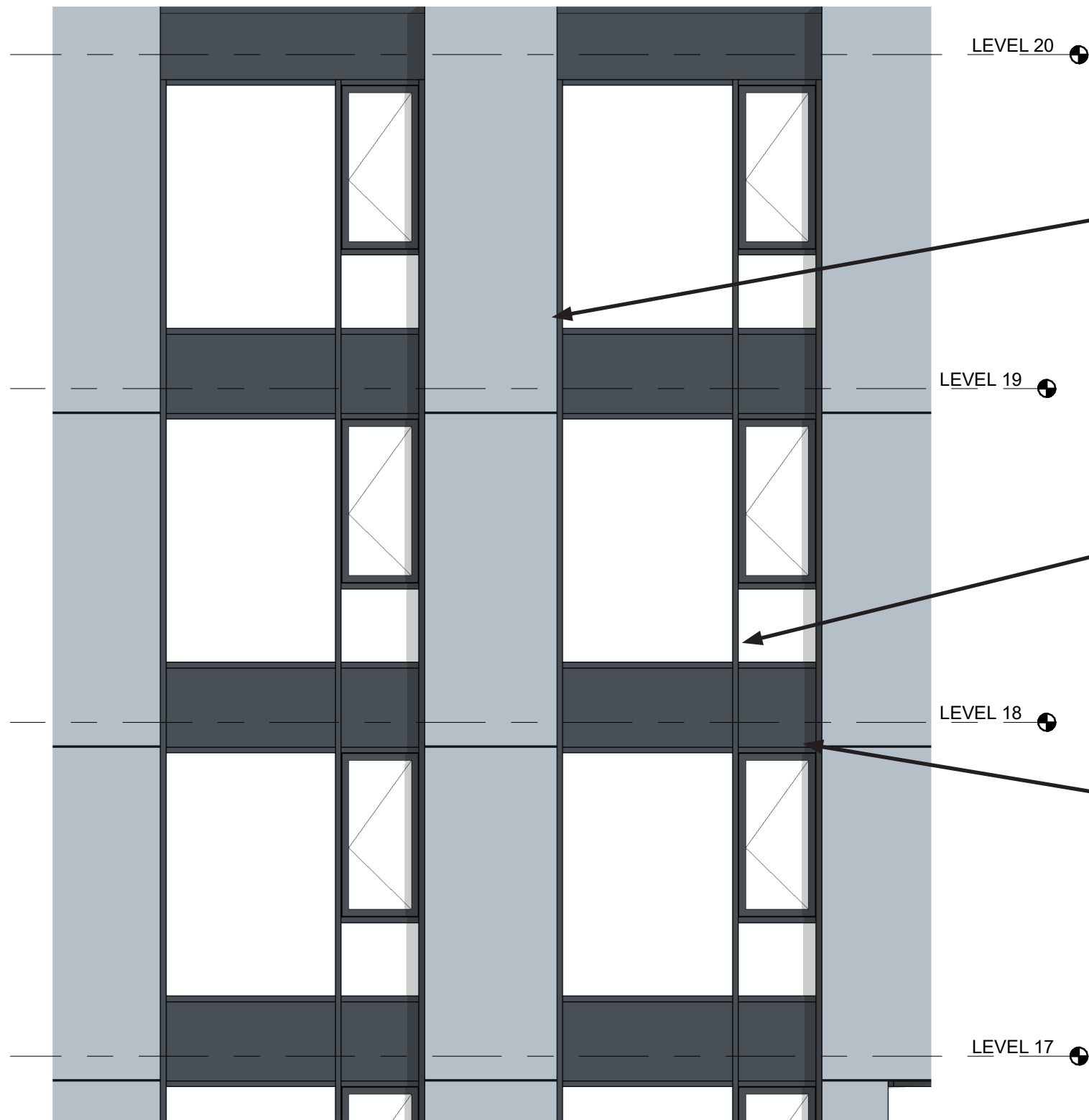
HYATT PLACE | TYPE III DESIGN REVIEW | MATERIALS/COLORS - FACADE - WEST

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C.41

CLARIFICATION OF COLORS



LEVEL 20

LEVEL 19

LEVEL 18

LEVEL 17



ACM PANEL -
PEWTER - #989da0



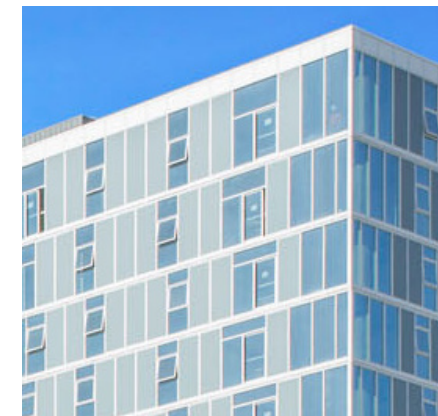
WINDOW WALL MULLIONS -
CHARCOAL GRAY



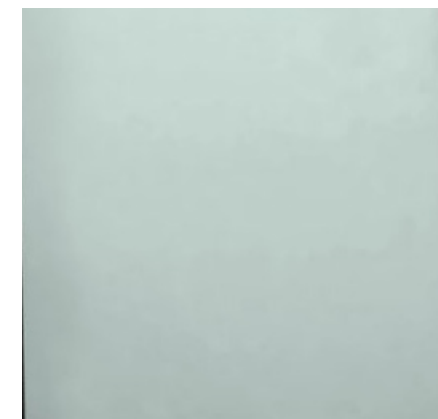
WINDOW WALL SPANDREL
METAL PANEL -
CHARCOAL GRAY



ACM METAL PANELS



WINDOW WALL SYSTEM



INSULATED GLASS UNIT

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

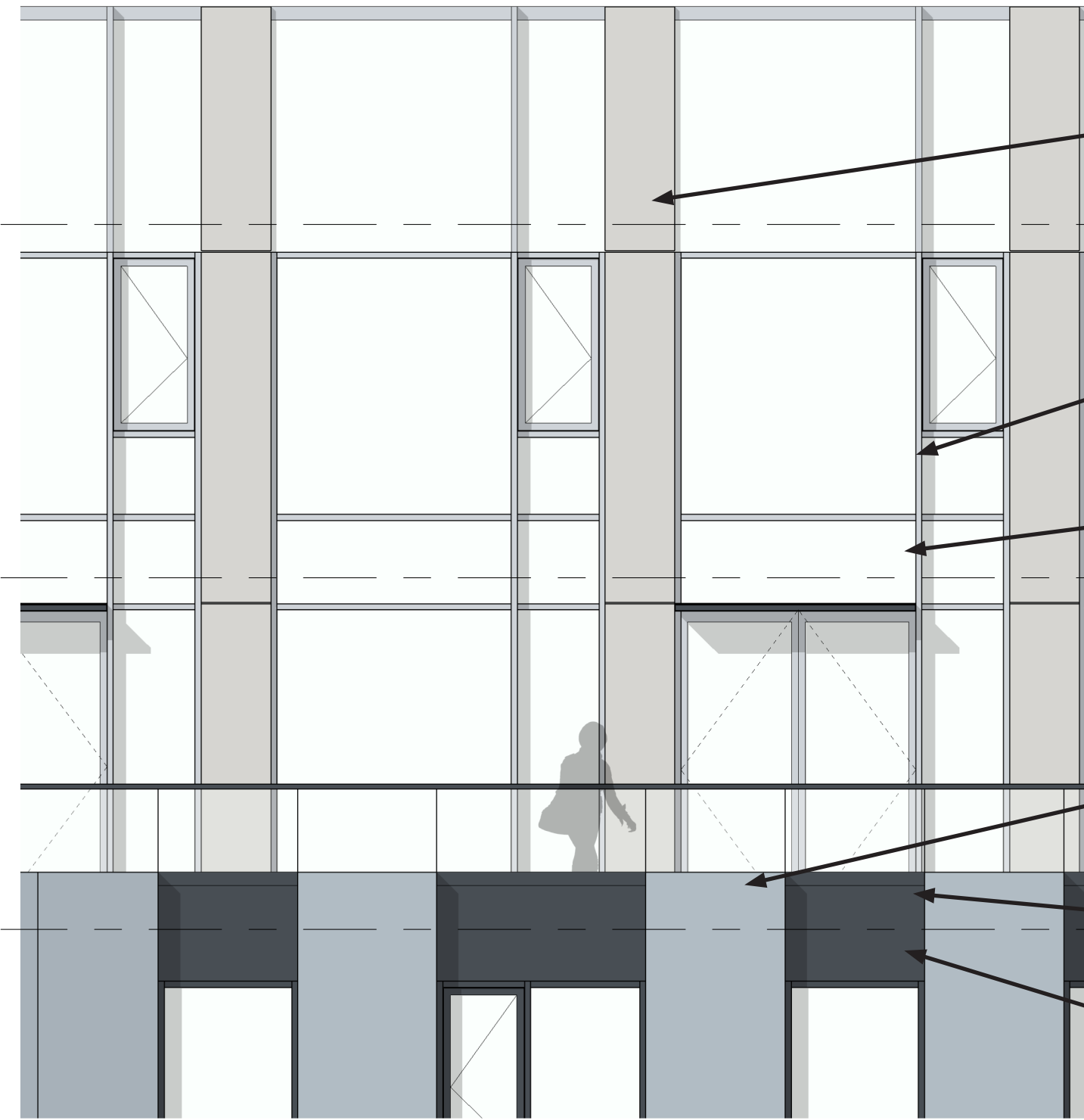
HYATT PLACE | TYPE III DESIGN REVIEW | MATERIALS/COLORS - TYPICAL

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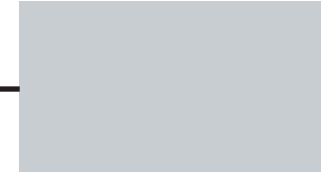


C.42

CLARIFICATION OF COLORS



**ACM PANEL -
APPARITION - #cdc9bf**



**WINDOW WALL MULLIONS -
IRON MOUNTAIN GREY**



**WINDOW WALL SPANDREL
GLASS**



**ACM PANEL -
PEWTER - #989da0**



**WINDOW WALL MULLIONS -
CHARCOAL GRAY**



**WINDOW WALL SPANDREL
METAL PANEL -
CHARCOAL GRAY**



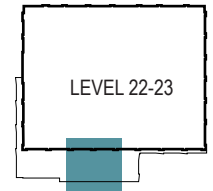
ACM METAL PANELS



GLASS GUARDRAIL



INSULATED GLASS UNIT



LEVEL 22-23

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

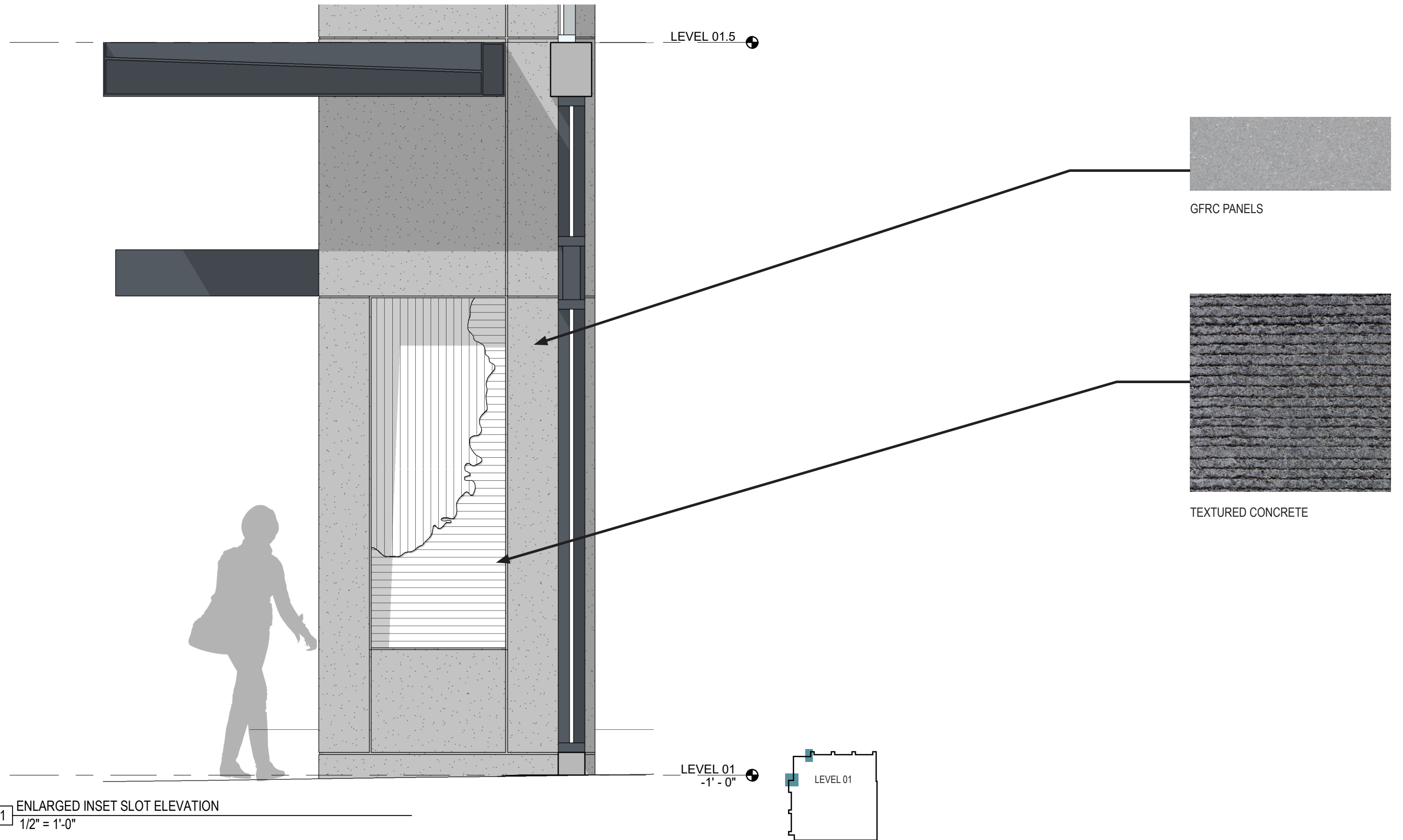
HYATT PLACE | TYPE III DESIGN REVIEW | MATERIALS/COLORS - FACADE - AMENITY DECK

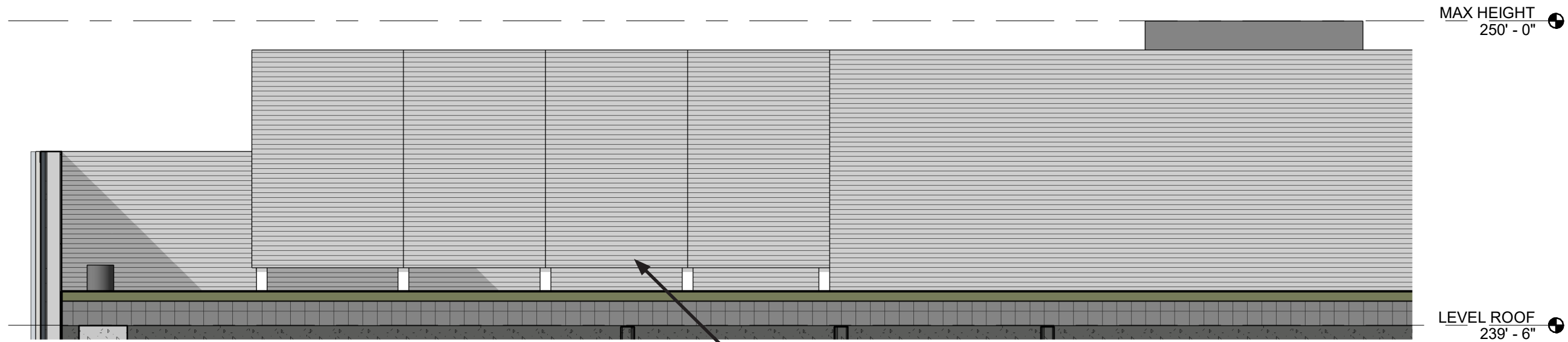
DECEMBER 5, 2019 | PROJECT 18177 | LU 19-145295 DZM



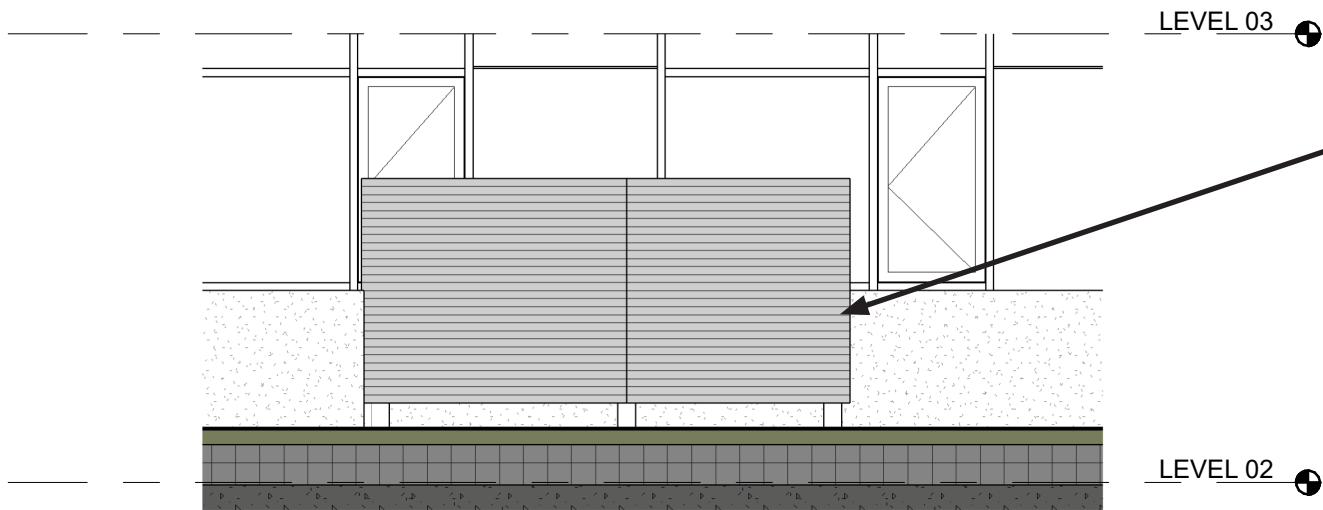
C.43

CLARIFICATION OF COLORS





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



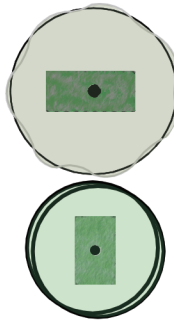
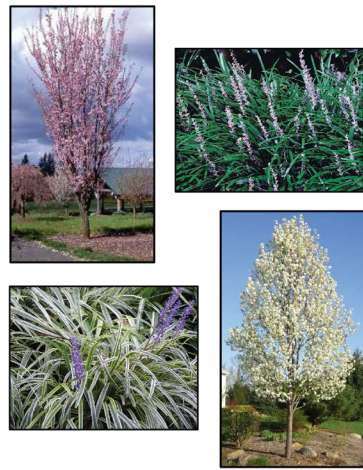
2 ENLARGED MECHANICAL SCREEN
1/4" = 1'-0"



METAL PANEL -
APPARITION - #cdc9bf



FOLDED METAL PANEL



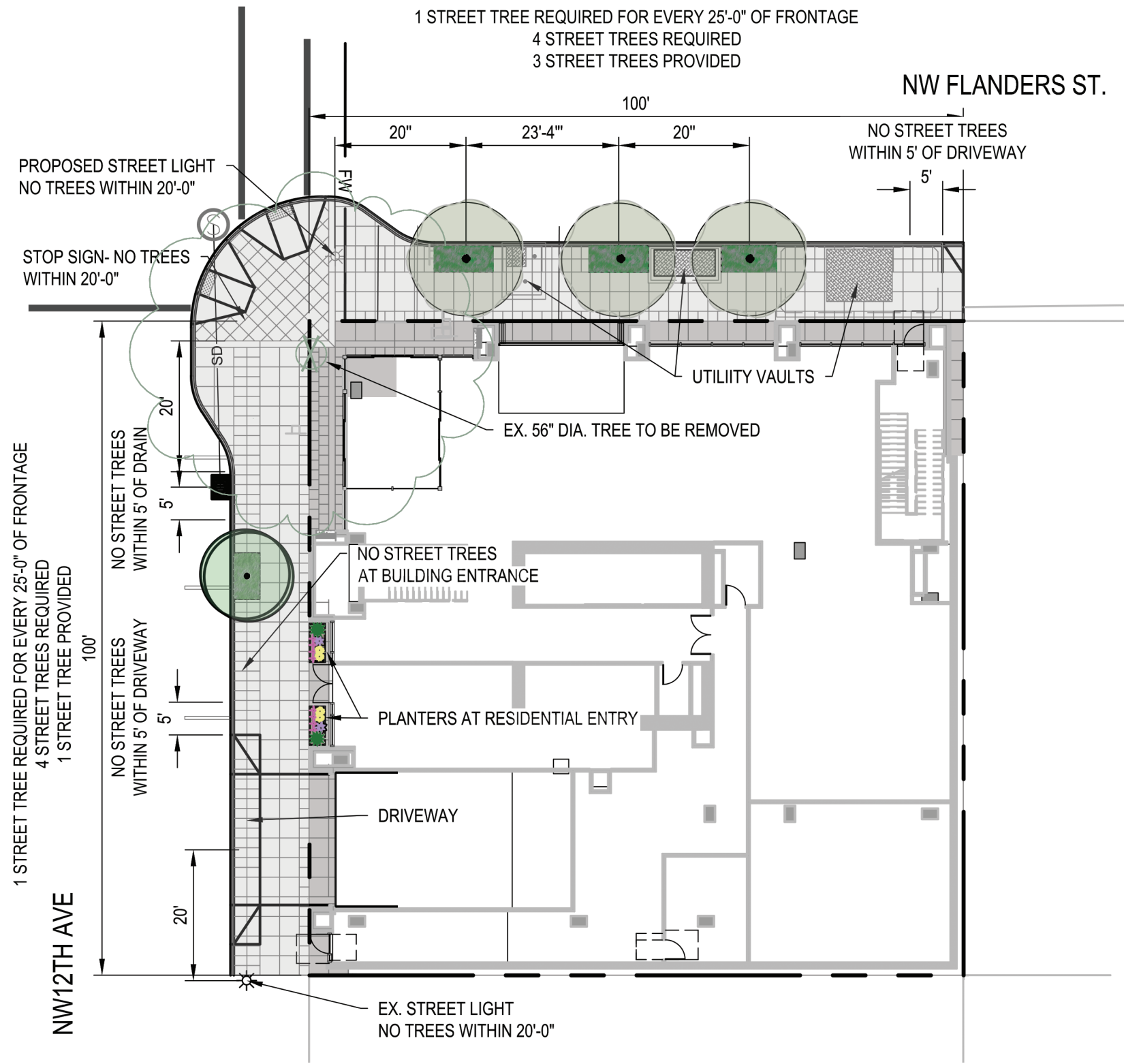
- 3 PRUNUS SARGENTII 'COLUMNARIS' / COLUMNAR SARGENT CHERRY 3" CAL
- 102 LIRIOPE GIGANTEA 'BIG BLUE' / BIG BLUE LILYTURF
- 1 PYRUS CALLERYANA 'CAPITAL' / CAPITAL CALLERY PEAR 3" CAL
- 26 LIRIOPE MUSCARI 'SILVERY SUNPROOF' / SILVERY SUNPROOF BLUE LILYTURF



60" x 24" x 24" RECTANGULAR PLANTER BOX



- 2 BUXUS X 'GREEN MOUNTAIN' / GREEN MOUNTAIN BOXWOOD
- 4 CAREX MORROWII 'AUREA-VARIEGATA' / VARIEGATED JAPANESE SEDGE
- 2 LAVANDULA ANGSTIFOLIA 'FOLGATE' / ENGLISH LAVENDER
- 8 PHLOX SUBULATA 'EMERALD PINK' / EMERALD PINK CREEPING PHLOX



TECHNICAL INFORMATION SHEET

Shade Mix


Standard Mix- PL4400

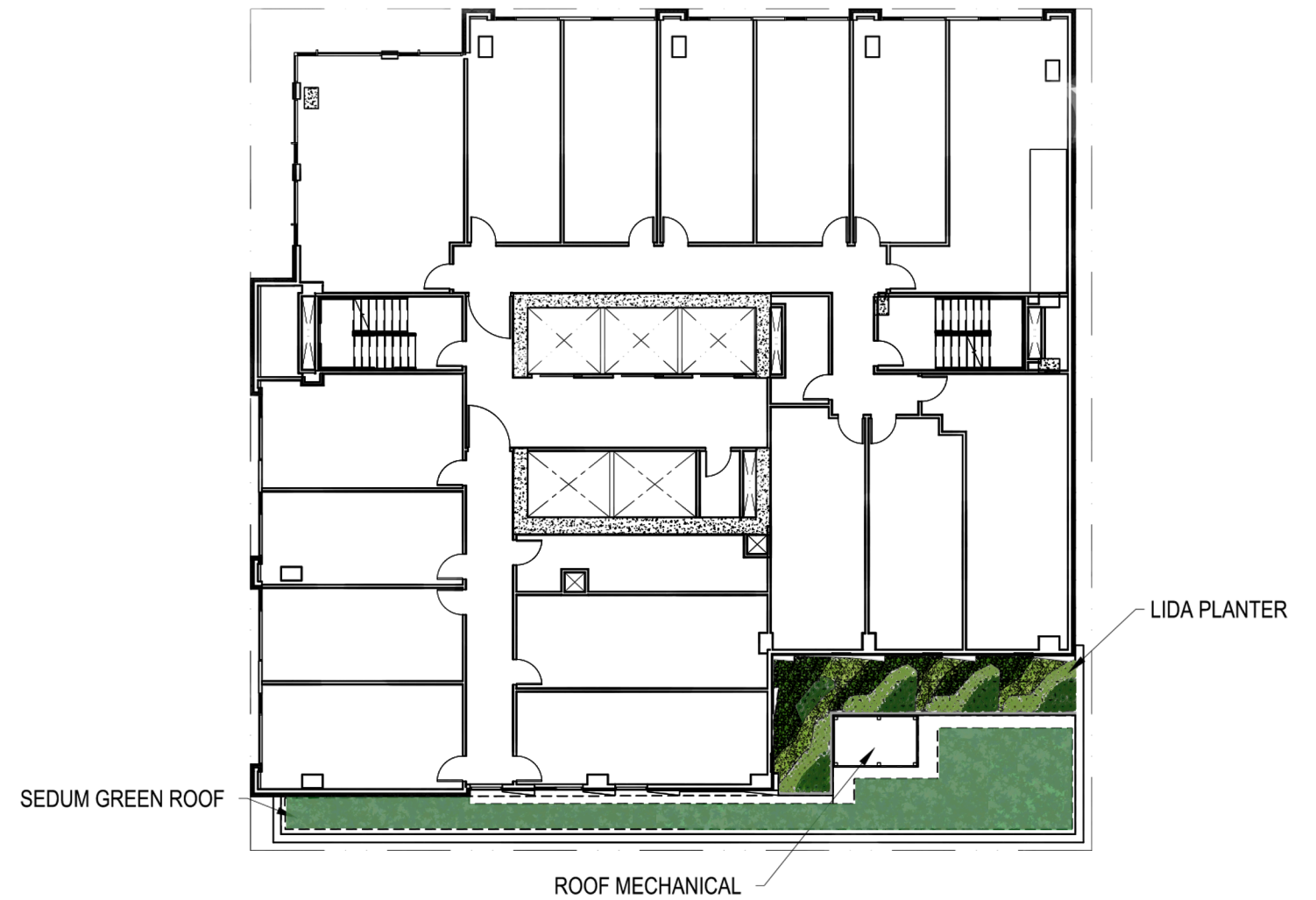
The plants in Shade Mix are those that have demonstrated abilities to withstand the difficult conditions of shade. All Sedums do best in higher light, but this mix can tolerate low light better than most. Each Shade Mix tile includes 6 - 8 of the listed varieties.



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"



LIDA PLANTER SCHEDULE - ROOF PATIO PLANTERS

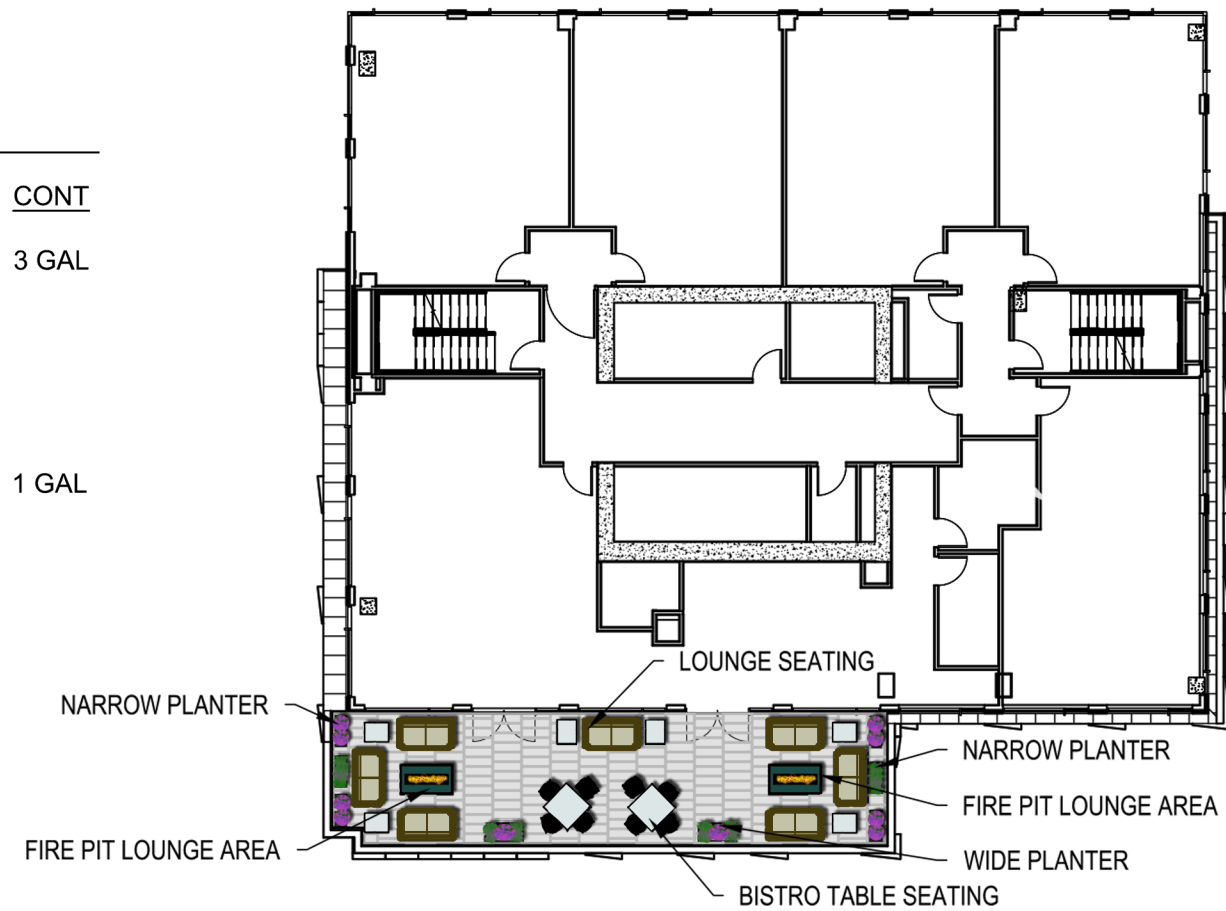
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	CONT
	106	JUNCUS ENSIFOLIUS / GREEN MOUNTAIN BOXWOOD	1 GAL
	73	JUNCUS PATENS / VARIEGATED JAPANESE SEDGE	1 GAL
	60	LIRIOPE GIGANTEA 'BIG BLUE' / BIG BLUE LILYTURF	1 GAL
	85	DESCHAMPسيا CESPITOSA / TUFTED HAIRGRASS	1 GAL





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



Tuff Stuff

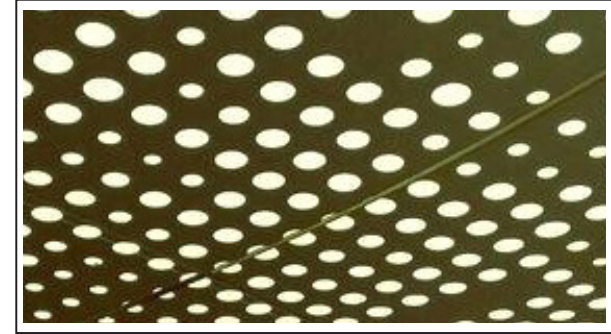
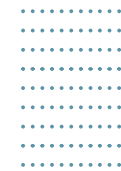
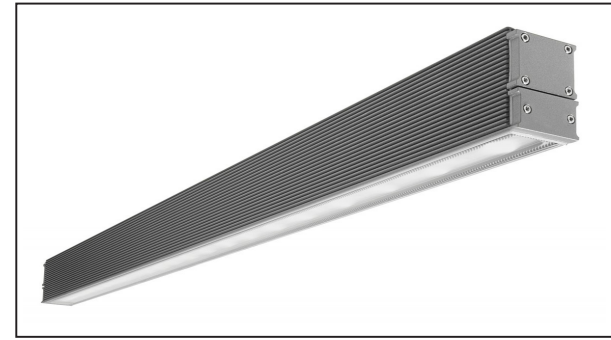
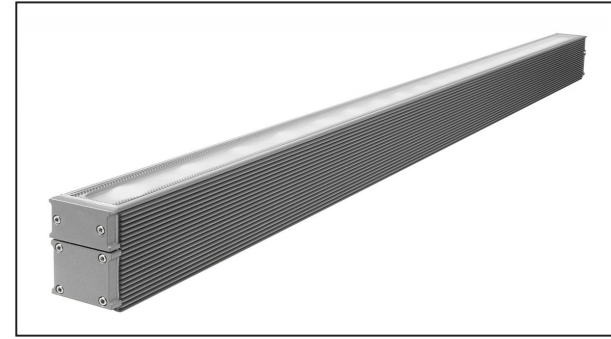
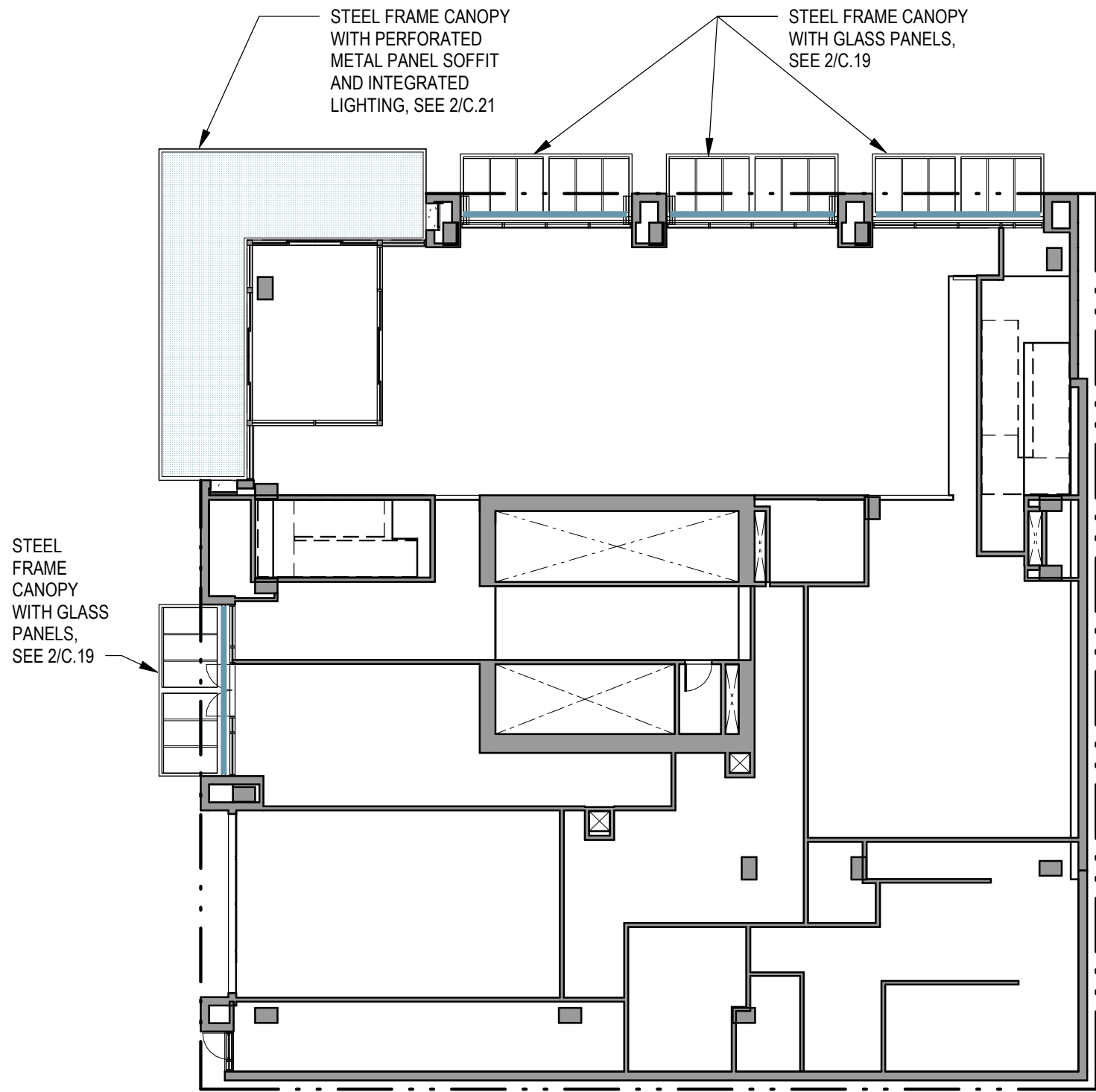
Standard Mix- PL4400

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.

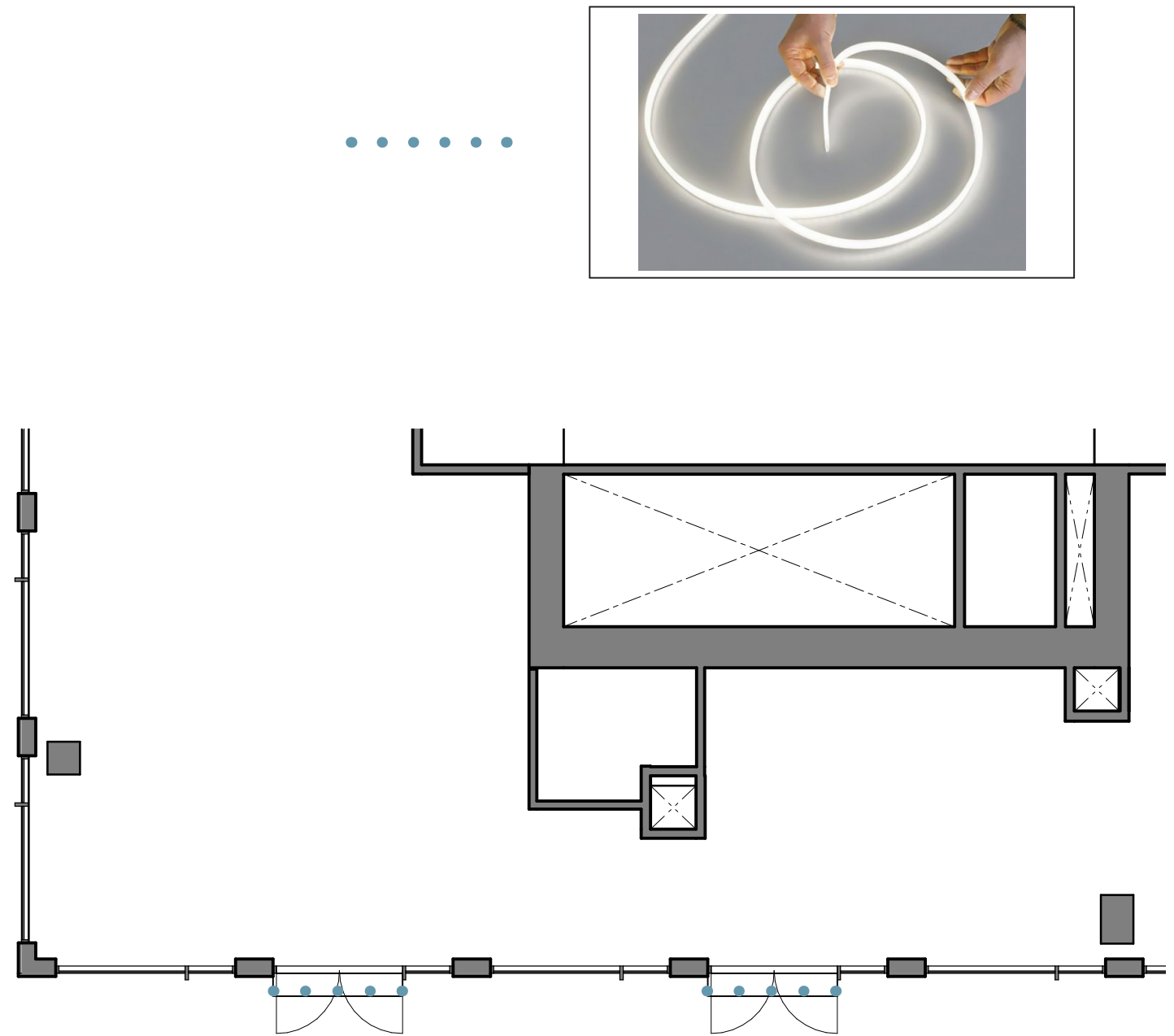


Plant Name	Flower Time	Flower Color	Winter Interest	Zone	Soil Depth	Mature Height	Width
<i>Sedum album</i> 'Coral Carpet'	Mid Summer	White	Yes	4-8	3-4"	.5-1"	6-8"
<i>Sedum cauticolom</i>	Mid Summer	Pink	No	3-7	3-4"	3-6"	10-12"
<i>Sedum ellacombianum</i>	Early Summer	Yellow	No	3-7	3-4"	3-5"	12-15"
<i>Sedum 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"

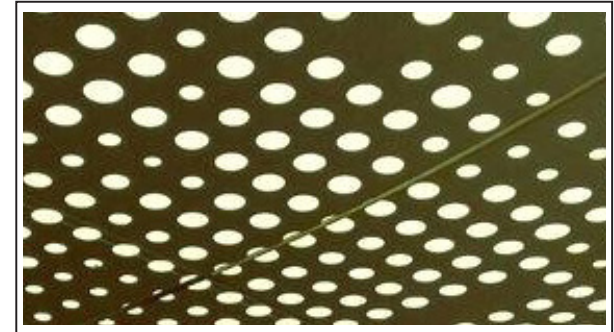
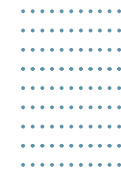
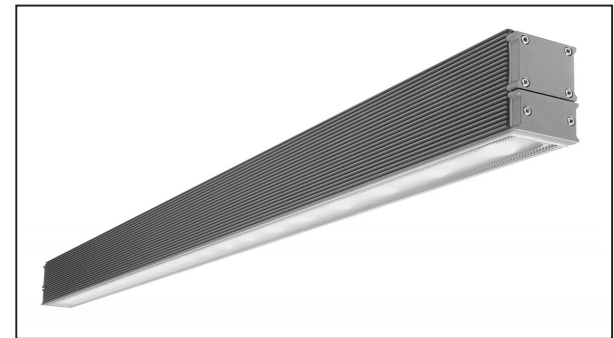
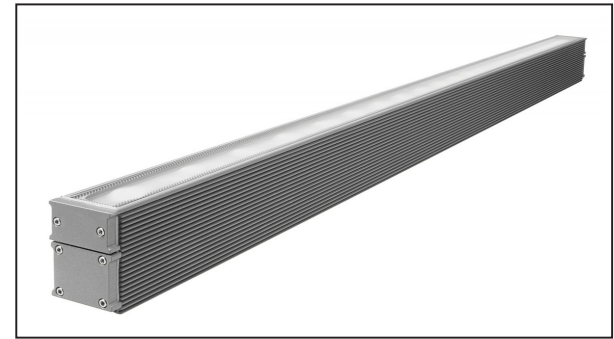
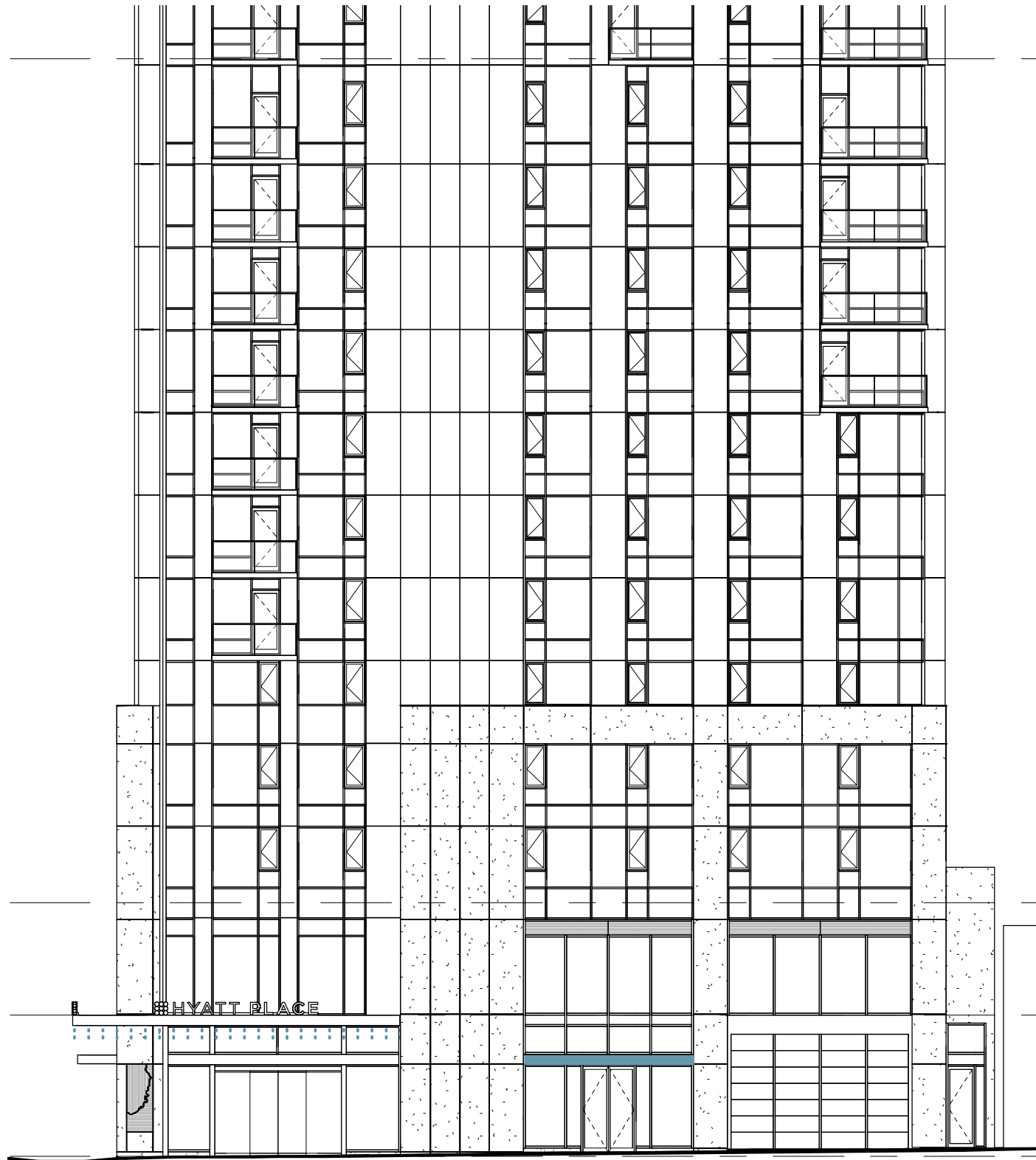




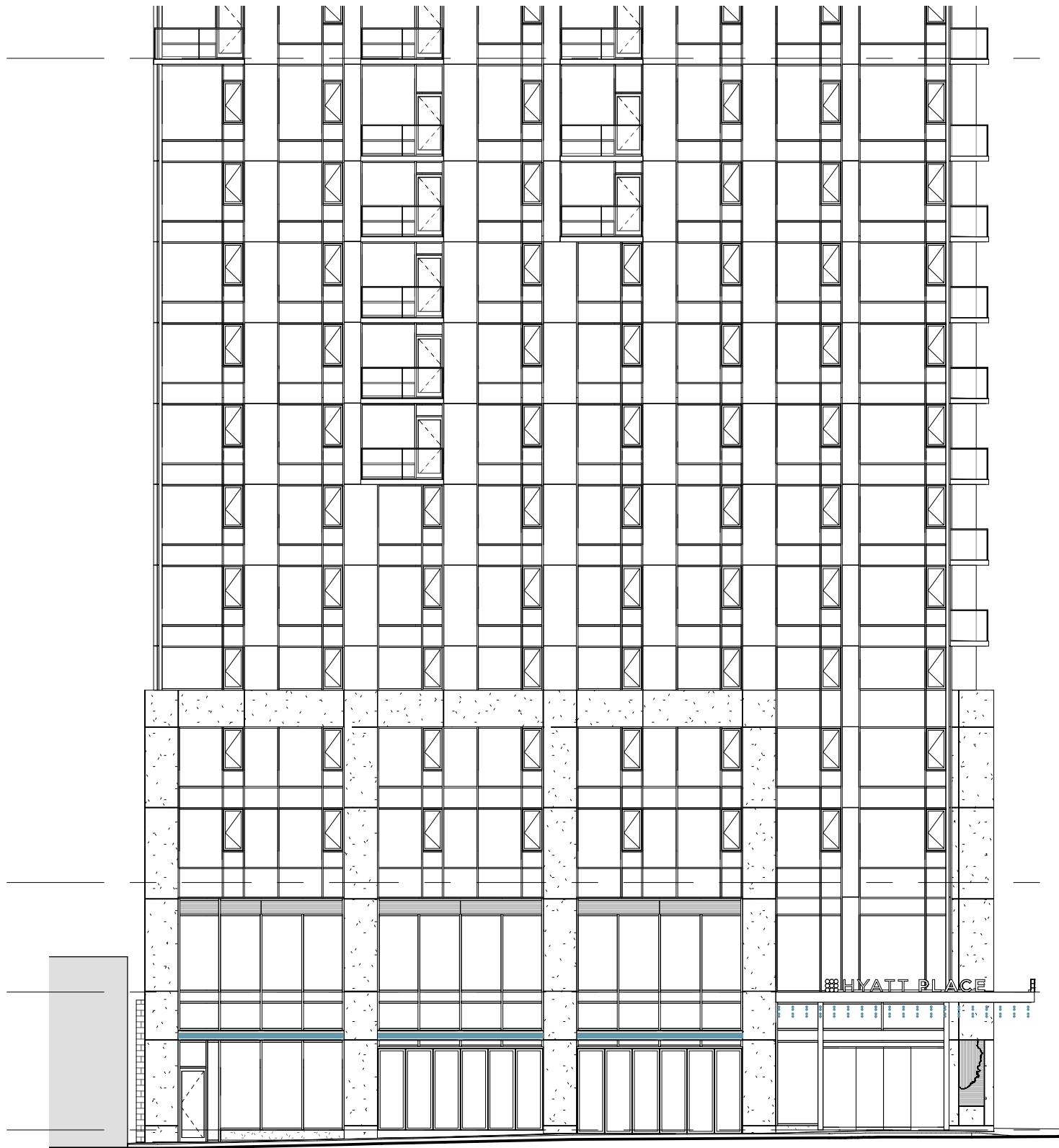
1 RCP - LEVEL 1
1/16" = 1'-0"



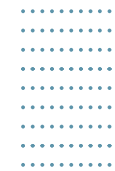
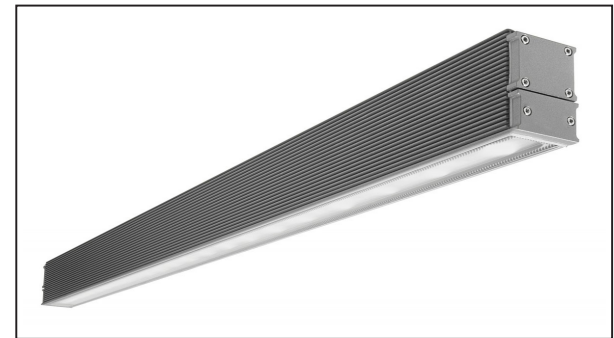
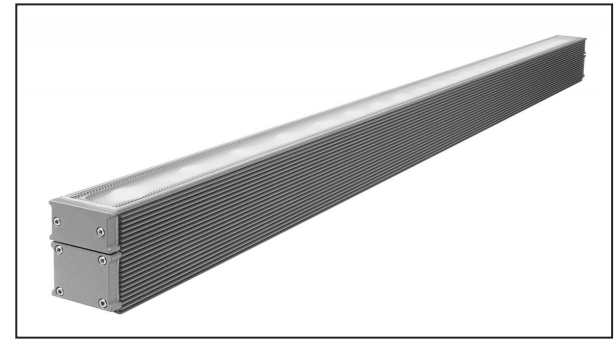
1 LEVEL 22 - PLAN - Lighting
 1/16" = 1'-0"

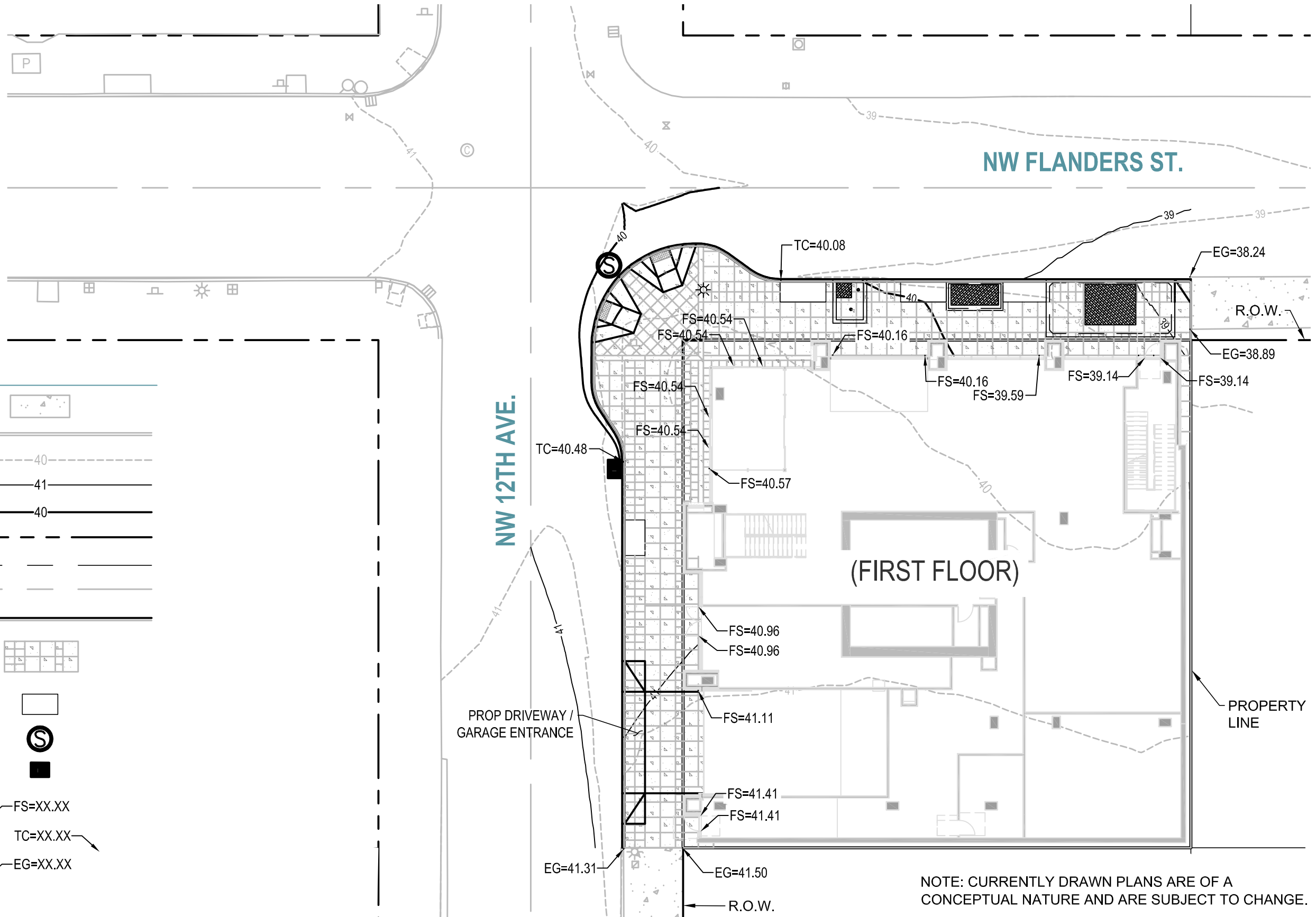


1 LIGHTING WEST ELEVATION
1/16" = 1'-0"




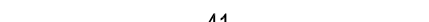









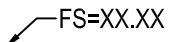
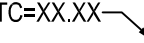
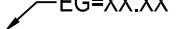


1 NORTH ELEVATION - REFERENCE
1/16" = 1'-0"





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.

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PORTLAND GENERAL ELECTRIC
 BRYAN HANGARTNER -
 (PGE SERVICE #M2578626)
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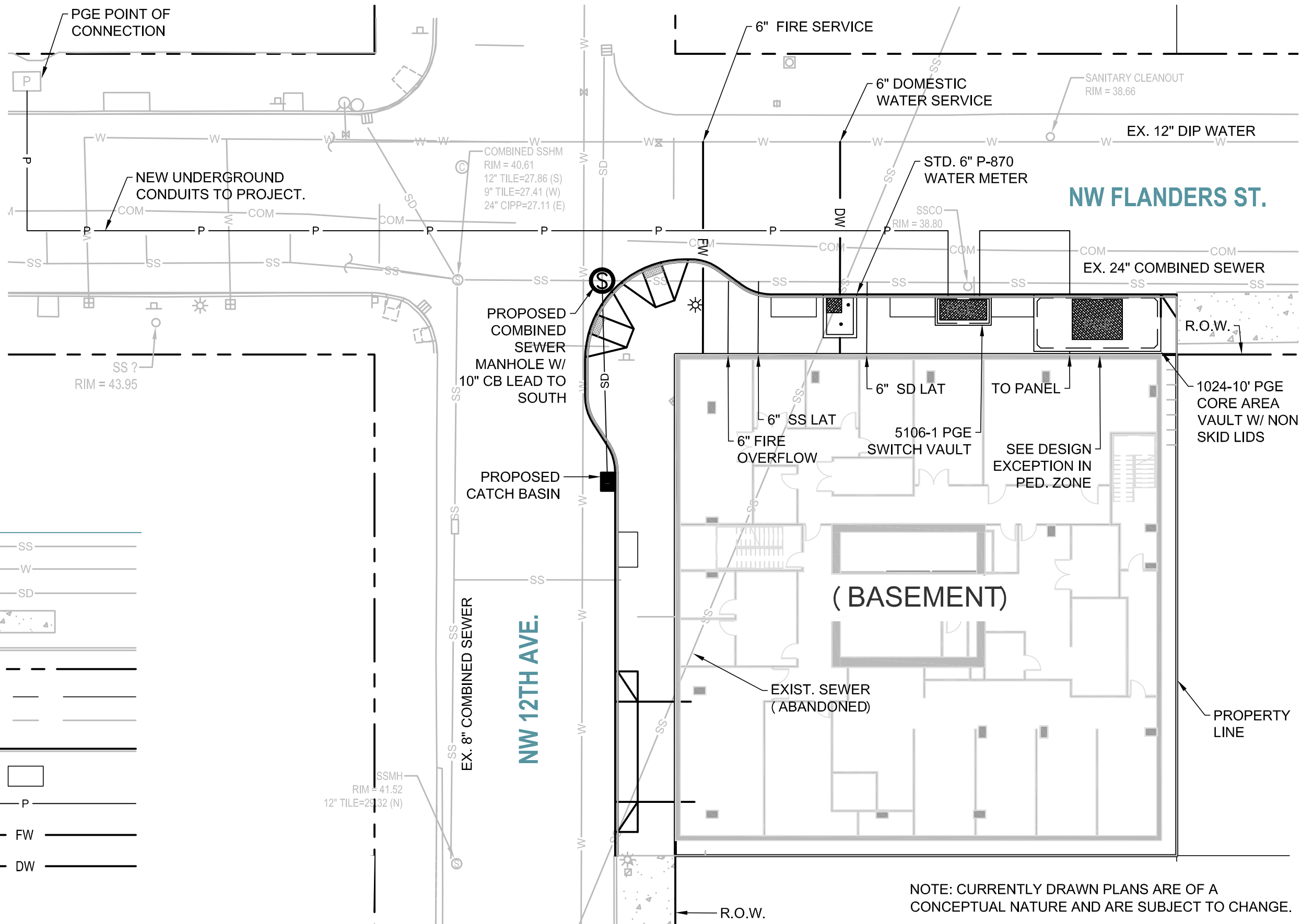
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 SEAN KIGER -
 SEAN.KIGER1@CENTURYLINK.COM

COMCAST
 LEROY SOUMOKIL -
 LEROY_SOUMOKIL@COMCAST.COM

LEGEND

EXIST. COMBINED SEWER	SS
EXISTING WATER LINE	W
EXISTING STORM LATERAL	SD
EXISTING SIDEWALK	
EXISTING CURB	
RIGHT OF WAY	
LOT LINE	
STREET CENTER LINE	
PROPOSED CURB LINE	
PROPOSED TREE WELL	
PROPOSED POWER	P
PROPOSED FIRE SERVICE LATERAL	FW
PROPOSED DOMESTIC SERVICE LATERAL	DW



Metal Composite Panel Solutions

larson by Alucol® ACM and MCM

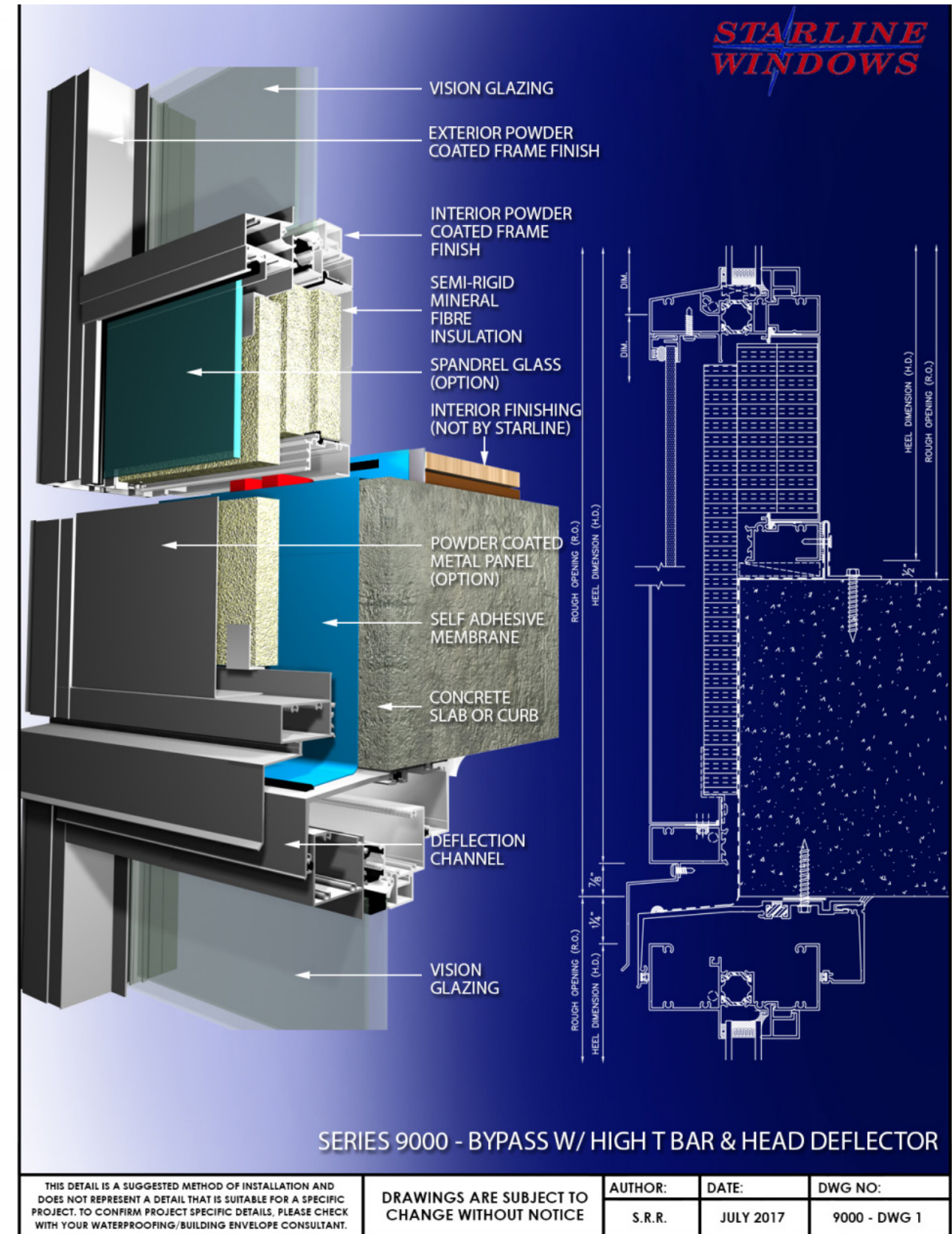
larson by Alucol® FR Aluminium Composite Material (ACM) panels are a fire-resistant wall cladding product for architectural building façades. It is continuous process manufactured utilizing two coil coated aluminum sheets of 3000 or 5000 series alloy which are permanently bonded to a mineral filled fire 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.



Deloitte Bugges - Oslo (NORWAY)
larson® by Alucol® 4mm FR

	Panel thickness (mm)		e ₁ (mm)		e ₂ (mm)		3mm weight (kg/m ²) PE		3mm weight (kg/m ²) FR	
	3	4	6	0,5	0,5	4,66	6,14			
larson®	3	4	6	0,5	0,5	4,66	6,14			
larson® illusions	3	4	6	0,5	0,5	4,66	6,14			
larson® wood	3	4	6	0,5	0,5	4,66	6,14			
larson® metals S.Steel 2D			4	0,23	0,23					
larson® metals S.Steel Wf30			4	0,23	0,23					
larson® metals Copper	3	4	6	0,3	0,3	7,68	9,45			
larson® metals Brass	3	4	6	0,5	0,5	7,42	9,2			
larson® metals Zinc			4	0,5	0,5					



SERIES 9000 - BYPASS W/ HIGH T BAR & HEAD DEFLECTOR

THIS DETAIL IS A SUGGESTED METHOD OF INSTALLATION AND DOES NOT REPRESENT A DETAIL THAT IS SUITABLE FOR A SPECIFIC PROJECT. TO CONFIRM PROJECT SPECIFIC DETAILS, PLEASE CHECK WITH YOUR WATERPROOFING/BUILDING ENVELOPE CONSULTANT.

DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE

AUTHOR:	DATE:	DWG NO:
S.R.R.	JULY 2017	9000 - DWG 1

TAKTL® Product Data Sheet
Doc. SP20-1 Rev. 1905

Description The TAKTL AIUHPC® panels are Ultra High Performance Concrete panels manufactured from Portland cement, micro aggregates, and additives, with alkali-resistant glass fibers and two layers of alkali-resistant glass fiber reinforcement mesh. TAKTL panels are designed to comply with a range of facade assemblies for all building construction types (Type I through VI). TAKTL panels are also suitable for interior application as part of a Class A interior wall.

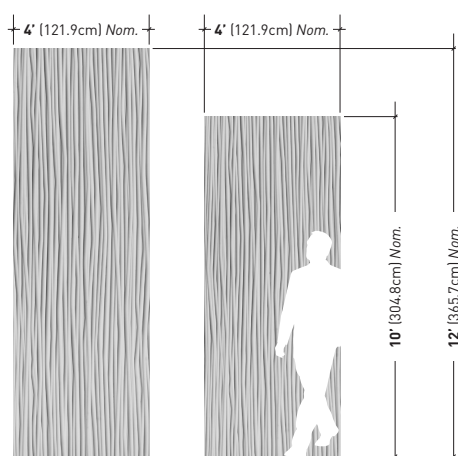
Application The TAKTL Standard and Select AIUHPC Panel System is used as an exterior and interior wall cladding in the following applications:

- ALL types of construction under the 2012 & 2015 IBC and IRC
- New construction and renovation/re-clad building enclosures
- Open Joint Cladding for Back Ventilated and Drained Cavity Walls (Rainscreen)
- Unitized and Prefabricated Wall Systems (Barrier, Sealed or Rainscreen)
- Interior cladding, partitions, and feature wall finishes

Features + Advantages

- Compatible with all wall assemblies/substrates
- Highest strength-to-weight ratio in its class
- Impermeable, chloride and carbonation resistant
- Excellent freeze-thaw resistance and strength retention
- Non-combustible, Class A smoke and flame spread
- Impact resistance > highest rating under ASTM 1629
- Graffiti-resistant sealer standard
- 9 textures and 9 colors standard
- Custom colors, surface textures, mineral face aggregates, and design profiles available upon request
- Opaque stain option at no charge for homogeneous color
- Delivered precut and drilled for attachment
- Easy to field cut and drill as needed

Standard Panel Dimensions



Code Compliance & Reference Standards

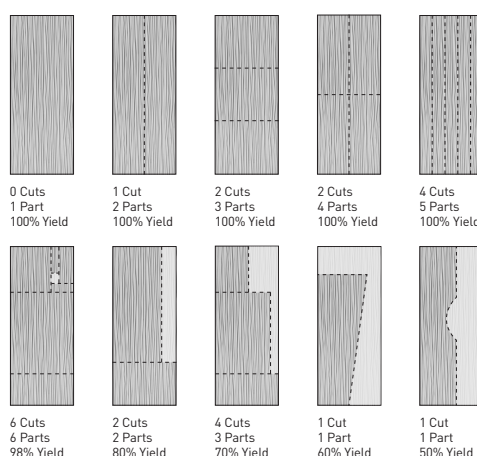
Intertek/ICC-ESR (AC10)	Quality Management System certification & auditing
IBC & IRC	2012 & 2015 Building Code Compliant
ICC-ESR (AC90)	Evaluation Service Report (ESR)
ASTM C1186	Type A (exceeding Grade IV in strength and durability)
ASTM E136	Non-combustible
ASTM E84	Class A finish
NFPA 285	Wall Assembly Fire Test
ASTM 1629	Impact Test
ASTM E 488	Undercut Anchor Test, AISI 905 Visible Fastener Test

Material/Panel Characteristics

Material Density	137lbs/ft³
Coefficient of Thermal Expansion	6.41 E-06 in/in/°F
Compressive Strength	12,000 psi – 18,000 psi (95Mpa – 120Mpa)
Flexural Strength (Panel)	3,916 psi – 4,786 psi (27Mpa – 33Mpa)
Undercut Anchor Load Values (10mm)*	890 lbf Shear 520 lbf Tension
Visible Fastener Load Values* 16GA/50ksi Steel & 2.2mm Aluminum	738 lbf Shear 1,620 lbf Tension
Standard Base Panel Thickness**	5/8 in (16mm) (1½ in/38mm Max.)
Panel Weight 5/8" (16mm) Thickness min.	6.9 lb/ft² (33.7kg/m²)
Standard Nominal Panel Size	48 in (1220mm) X 120 in (3050mm) 48 in (1220mm) X 144 in (3656mm)
Min. Standard Panel Size	6 in (150mm) X 48 in (1220mm)
Max. Standard Panel Size	60 in (1500mm) X 144 in (3656mm)

*Recommended minimum design values
**Custom textures/profiles available up to 1 ½" (38mm) overall thickness upon request
NOTE: Refer to TAKTL Product Literature test reports available upon request

Panel Cutting Examples | Unlimited Dimensions Available



TAKTL® Product Data Sheet
Doc. SP20-1 Rev. 1905

Panel Attachment The TAKTL AIUHPC Panels are part of a wall cladding system attached to a back up wall, support assembly, or interior wall meeting the code requirements and project design criteria. The panels are mounted with visible fasteners or with concealed fasteners on extruded aluminum or cold-formed steel attachment system (subframe). When used as an exterior wall covering, the system must be installed over a water-resistive barrier (open joint BVDC) or have sealed joints (barrier wall). The attachment system is for use with 5/8 in. (16-mm) thick panels for interior and exterior installations. The attachment system may be fastened directly to the backup wall for close-cladding installation, or to a sub-girt framing system for BVDC walls.

Fig. 2.1 Concealed Attachment: TAKTL panels are supported by an attachment system consisting of structural rails and clips made of 6005A-T5 extruded aluminum or equal. The rails and clips are 1.1811 inches deep, 2.5 inches high, and 0.118 inches thick. The rails are available in various uncut lengths of 12-feet, 16-feet, or 20-feet, and the clips are 2 inches wide. The clips and rails interlock. The clips are secured to the panel using undercut anchors made of Type 316 stainless steel supplied with the attachment system. The sub-girt framing that supports the TAKTL panel clip and rail system must be attached to the structure with thermally-isolated brackets. See [TAKTL Hardware Product Data Sheet](#)

Fig. 2.2 Visible Attachment: TAKTL panels are fastened directly to the supporting framing with self-drilling Type 304 austenitic stainless-steel fasteners with powder-coated, color-matched heads. Panel rails are to be at minimum 6061 T5 black anodized or painted aluminum with a minimum thickness of 2.2mm. Panel rail profiles may be 'hat', 'L' angle, or 'T'.

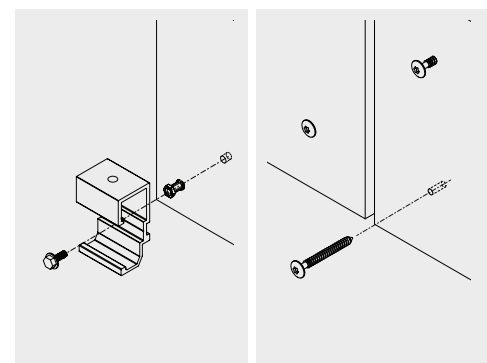
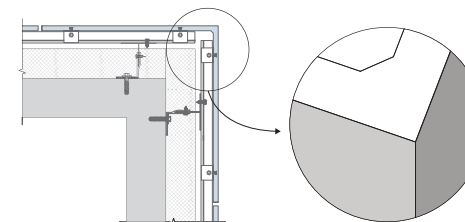


Fig. 2.1 | Concealed Fastener **Fig. 2.2 | Visible Direct Fastener**
All panel fasteners, anchors, bolts, and subframe fasteners must be made of high-corrosion resistant Type 304 stainless steel. Panel anchors and support system, including connection to the substrate/backup wall must be analyzed and designed by a registered engineer.

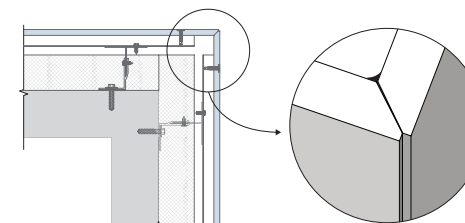


Standard Corner Options

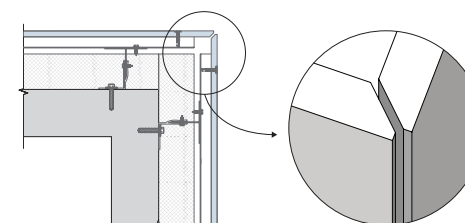
Cast Corner | Shown w/Concealed Attachment



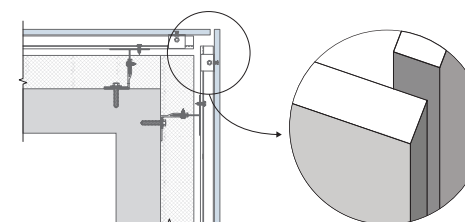
Closed Factory Adhered | Shown w/Visible Attachment



Open Quirk Miter | Shown w/Visible Attachment

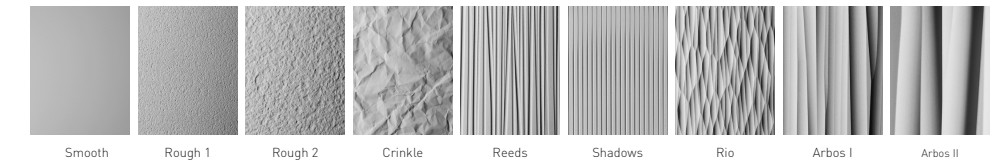


Open Square | Shown w/Concealed Attachment

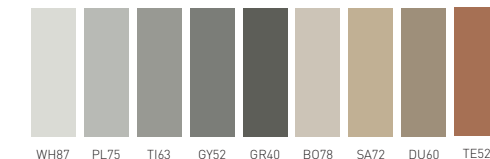


TAKTL® Product Data Sheet
Doc. SP20-1 Rev. 1905

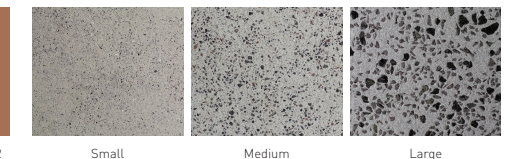
Standard Textures



Standard Colors



Decorative Aggregate



Note: Custom colors + textures are available upon request.

Note: Decorative aggregate can be added to all custom and standard colors.

Conditions + Limitations

- Installation must comply with TAKTL's published installation instructions and the applicable codes.
- The TAKTL AIUHPC Panel System must be installed by a qualified installer, recognized by TAKTL, LLC.
- When installed on exterior BVDC walls, the TAKTL AIUHPC Panel System must be installed incorporating a substrate (backup wall) capable of resisting the design wind pressures, both positive and negative. The substrate must be covered with a water-resistive barrier, as required by the applicable code, and a ventilation path must be maintained between the water-resistive barrier and the panels.
- Drawings, design details, and calculations verifying the adequacy of the fastening connection between the TAKTL panel attachment system and the supporting wall must be prepared by a registered design professional, stamped, and submitted to the building code official for approval.
- When installed with spaces between adjacent panels on interior walls required to have a Class A finish, the TAKTL Panels and Attachment System must be installed over a substrate having a Class A finish.
- Refer to TAKTL Field Installation Guide and Technical Data Documents, for installation, storage, handling cleaning and maintenance instructions.

Environmental, Health + Safety

- Health Product Declaration (HPD) and Safety Data Sheet (SDS) are available upon request.
- TAKTL AIUHPC is manufactured with 90% raw materials sourced within 500 miles of the factory.
- For further information and advice with regard to potential LEED credit contribution consult with TAKTL Technical Support.
- User should refer to Safety Data Sheets and Installation Guide before working with TAKTL products.

Legal Disclaimer/ Warranty

Nothing contained in any TAKTL literature or materials relieves the user of the obligation to read and follow the instructions for the product, as set forth in the current [Installation Guide](#), [Product Data Sheet](#), and [Safety Data Sheet](#) prior to use of the TAKTL product.

TAKTL warrants this product for 20 years from date of installation to be free from manufacturing defects, to meet the quality and acceptance criteria described in Q2-1 TAKTL Quality Management document, and to comply with ASTM C1186 – Grade 4, the highest performing grade under ASTM C1186, subject to the terms and conditions set forth in the TAKTL Warranty. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

Sale of TAKTL products are subject to the Terms and Conditions of Sale which are available at taktl-llc.com or by calling 412.486.1600.

TAKTL, LLC
Keystone Commons, 230 Braddock Avenue, Turtle Creek, PA 15145
412.486.1600 | info@taktl-llc.com | www.taktl-llc.com

Related Literature + Submittal Documents

- Guide Specification
- Terms and Conditions of Sale
- Certified Test Results
- TAKTL MSDS
- ICC ESR-3899
- Technical Summary
- Corner Program Guidelines
- TAKTLHARDWARE Data Sheet
- QMS Tolerances + Acceptance Color Guidelines





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Q-lights Linear Light

For LED-lit handrails and cap rails in glass and baluster railings

- Continuous LED stream
- Special adapters for mounting LED cap rails on handrail brackets
- Handrail LED strips can be positioned in front of or behind the infill
- Pre-wired, with no visible cables
- Easy to install: Simply click the strips into place
- Warm/cool white light (24 V – IP20 for indoor and IP67 for outdoor)
- Transparent or frosted plastic covers
- Vandal-resistant (IK10)
- UL certified

Linear Light for cap rails

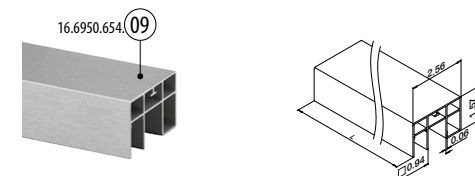
- Position the LED strips in front of or behind the glass
- Transparent or frosted plastic covers

Linear Light for handrails

- Handrail brackets with cable duct
- Transparent or frosted plastic covers
- Special adapters for mounting on handrail brackets and tube adapters



Cap rails Q-LIGHTS - Linear Light - Cap rails, rectangular



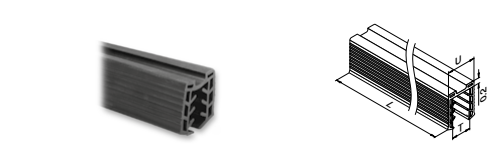
MOD 6950

Aluminum	Stainless steel effect		
OUTDOOR			\$ / each
16.6950.654.09	2.56" x 1.57" (65 x 40mm)	L = 16.4' (5000 mm)	287.90



MOD 5091

OUTDOOR	Transparency		\$ / each
24.5091.000.03	Clear	L = 8.4' (2500 mm)	43.15
24.5091.000.06	Frosted	L = 8.4' (2500 mm)	43.15



MOD 50

□ 2.56" x 1.57" (65 x 40mm)			
Accessories			\$ / each
U	T (glass thickness)		
19.5042.211.00	15/16"	1/2"-9/16" (12-13.52mm)	L = 8.2' (2500mm) 27.50
19.5042.216.00	15/16"	5/8"-11/16" (16.76-17.52mm)	L = 8.2' (2500mm) 27.50
19.5042.219.00	15/16"	3/4" (19mm)	L = 8.2' (2500mm) 27.50
19.5042.011.00	15/16"	1/2"-9/16" (12-13.52mm)	L = 16.4' (5000mm) 55.00
19.5042.016.00	15/16"	5/8"-11/16" (16.76-17.52mm)	L = 16.4' (5000mm) 55.00
19.5042.019.00	15/16"	3/4" (19mm)	L = 16.4' (5000mm) 55.00

MOD 6950 is compatible with these connectors, see USA program 2018/2019



Cap rails Q-LIGHTS - Linear Light - End fittings and wall flanges, rectangular



MOD 6732 - EASY HIT®

Aluminum	Stainless steel effect		
OUTDOOR			\$ / each
16.6732.654.09	2.56" x 1.57" (65 x 40mm)	2	16.95

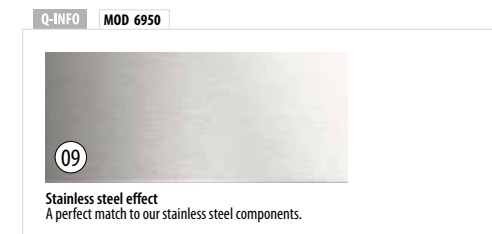


International Design Model Protection



MOD 6505

Aluminum	Stainless steel effect		
OUTDOOR			\$ / each
16.6505.654.09	2.56" x 1.57" (65 x 40mm)	OS-55 IP 19 / OS-120 IP 19	2 28.55



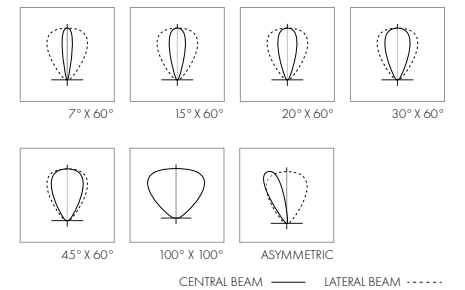
PROJECT: _____ TYPE: _____ CATALOG #: MWVII- _____

PROFILE

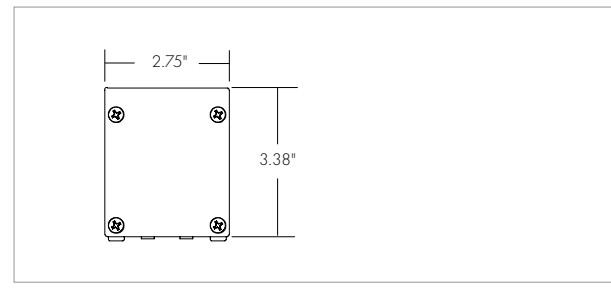
LIGHT SOURCE	3.5W, 7.0W, 11.0W, 15.0W
OPTICS	7°, 10°, 15°, 30°, 45°, 100°, ASY
PERFORMANCE	UP TO 54636 PEAK CANDELA
VOLTAGE	UNIVERSAL 120-277 V
POWER	INTEGRATED POWER SUPPLY
CONTROL	0-10V, DMX, LUTRON ECO-SYSTEM
DIMENSIONS	3-3/8" X 2-3/4"
HOUSING	PRECISION EXTRUDED ALUMINUM
END CAPS	STAMPED ALUMINUM
LENS	TEMPERED GLASS
FINISH	HIGH DURABILITY POWDER COATING
OPERATING TEMP	-20°C TO 50°C
WARRANTY	5-YEAR LIMITED
LUMEN MAINTENANCE	75,000 HOURS
CERTIFICATION	ETL AND cETL FOR WET LOCATION MEETS 3G ANSI C136.31 VIBRATION STANDARD FOR BRIDGE APPLICATIONS IK07 IMPACT RATING



OPTICS NOT ALL AVAILABLE OPTICS SHOWN



DIMENSIONS

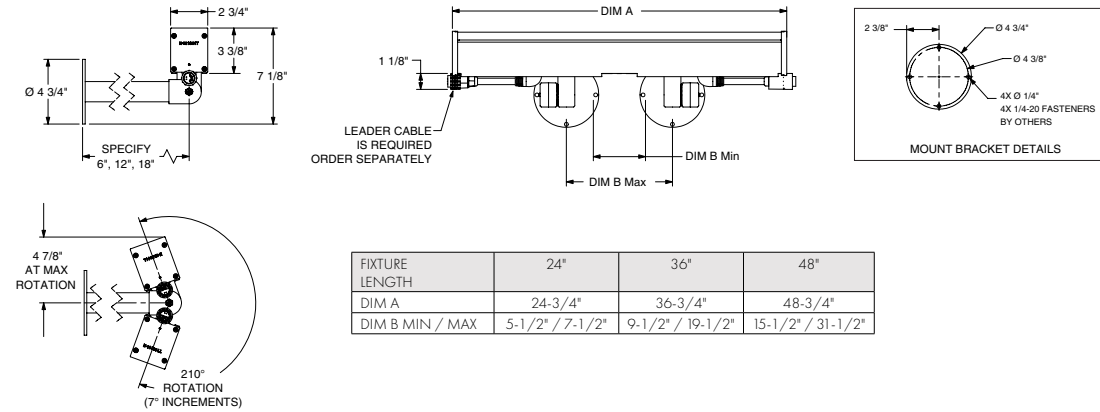


PERFORMANCE SUMMARY

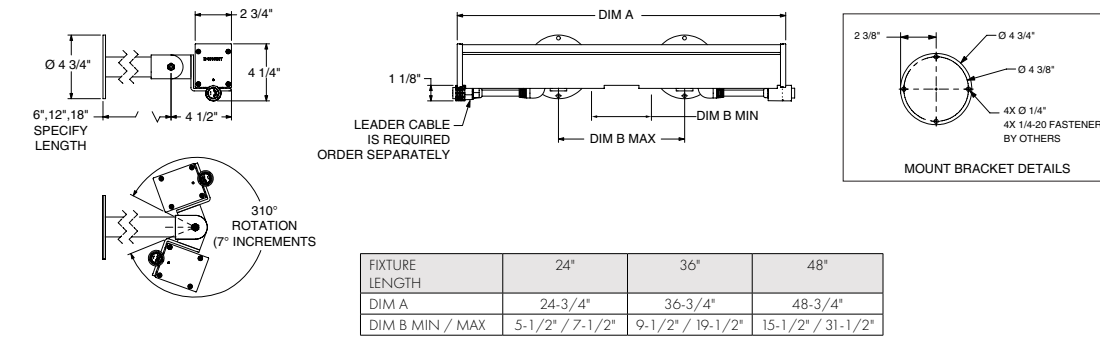
4000K, 15W/FT, 48"	LUMENS	PEAK CANDELA
7° X 60°	4706	54636
15° X 60°	4235	26968
30° X 60°	4297	15475
45° X 60°	4015	6189
100° X 100°	5689	2068
ASYMMETRIC	3616	4432
SYMMETRIC	4347	51530

PROJECT: _____ TYPE: _____ CATALOG #: MWVII- _____

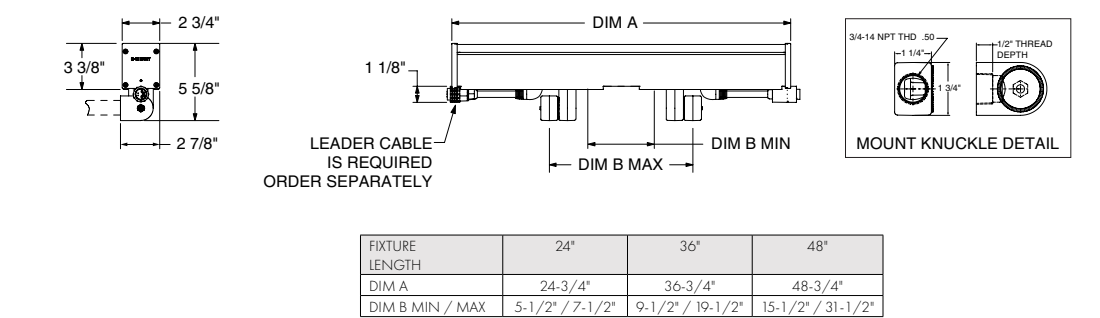
EXTENDED ARM, BOTTOM MOUNT (EAS-X)



EXTENDED ARM, SIDE MOUNT (EXA-X)



EXTENDED ARM, SIDE MOUNT (EXA-X)





W6300 SERIES

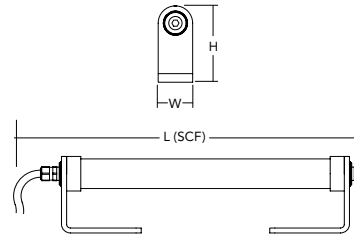
Submersible Linear

Suitable for wet or dry



Dimensions

L (SCF):	12"	16-11/32" (415mm)
	18"	22-11/32" (567mm)
	24"	28-11/32" (720mm)
	30"	34-11/32" (872mm)
	36"	40-11/32" (1025mm)
	42"	46-11/32" (1177mm)
	48"	52-11/32" (1329mm)
	W:	1-3/4"
H:	A3	3-7/8" (76mm)
	A6	6-7/8" (175mm)
	A9	9-7/8" (251mm)



CATALOG NUMBER	
NOTES	
TYPE	

DESCRIPTION

The W6300 series is designed to be the most powerful, reliable, and easiest to implement linear submersible solution available. The W6300 is suitable for installation up to 9 feet (3m) deep in fountains and other water containing vessels not intended to accommodate the partial or complete immersion of persons. The W6300 utilizes Nichia white LEDs in five standard color temperatures and operates on 24VAC using magnetic transformers which can be dimmed with commonly available low voltage magnetic dimming equipment. Available in two beam spreads, narrow flood (30°) and very wide flood (140°), with an unique 1-piece adjustable mount allowing for 360 degree rotation.

ORDERING INFORMATION

EXAMPLE: W6312 LED 30MA 27K 24 NFL A3 SCF CSL10 LP

Series	Source	Drive Current	Color Temperature	Voltage	Distribution
W6312	Submersible, Linear - 12"	LED LED light source	30MA 30mA rms current	27K 2700K CCT	24 24 Volt ac
W6318	Submersible, Linear - 18"		60MA 60mA rms current	30K 3000K CCT	NFL Narrow Flood
W6324	Submersible, Linear - 24"		120MA 120mA rms current	35K 3500K CCT	VWFL Very Wide Flood
W6330	Submersible, Linear - 30"			40K 4000K CCT	
W6336	Submersible, Linear - 36"			50K 5000K CCT	
W6342	Submersible, Linear - 42"				
W6348	Submersible, Linear - 48"				

Mounting	Conduit Option	Cord Set Length	Lamped
A3 Mounting Bracket - 3"	SCF Cord Feed Straight	CSL _ _ Cord Length Available from 10ft to 120ft in 5ft Increments	LP Lamp Installed
A6 Mounting Bracket - 6"			
A9 Mounting Bracket - 9"			

Length	LED Amperage	Rated Watt
12"	30mA	2.5
	60mA	5
	120mA	10

Recommended transformer is the T1906.



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Rev. 11/29/17
W6300

PERFORMANCE DATA

LUMEN OUTPUT

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution	Field Angle		Beam Angle		27K (2700K, 70CRI)			30K (3000K, 70CRI)			40K (4000K, 70CRI)			50K (5000K, 70CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
30MA	9.4	NFL	138	119	101	31	499	607	65	592	721	77	603	734	78	637	775	82
	9.4	VWFL	166	180	114	180	484	605	64	575	718	76	585	731	78	618	772	82
60MA	19	NFL	138	119	101	31	991	1,207	64	1,176	1,431	75	1,417	1,457	77	1,263	1,537	81
	19	VWFL	166	180	114	180	963	1,202	63	1,142	1,426	75	1,162	1,452	76	1,132	1,413	74
120MA	39	NFL	138	119	101	31	1,790	2,178	56	2,123	2,584	66	2,161	2,630	67	2,280	2,775	71
	39	VWFL	166	180	114	180	1,737	2,170	56	2,061	2,574	66	2,098	2,620	67	2,043	2,551	65

All lumen data and wattages are based on a 48° fixture.

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the Fixture platform in a 25°C ambient, based on 8400 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1	0.99	0.98	0.96

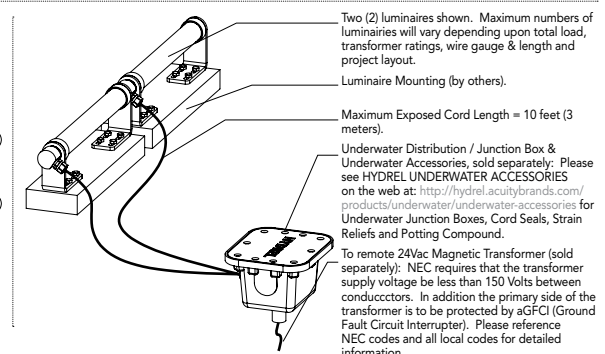
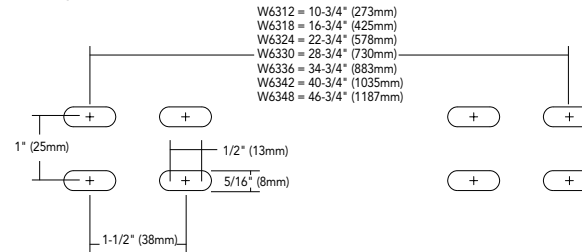
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)
			24
LED	30MA	9.4	0.39
	60MA	19	0.79
	120MA	39	1.63

MOUNTING INFORMATION

MOUNTING INFORMATION provided for reference use only. See Installation Instructions for detailed installation information.

Mounting Feet Pattern



FEATURES & SPECIFICATIONS

MATERIAL: Stainless Steel
SOURCE: 16 LED chips per foot available in 5 standard CCT's, 2700K, 3000K, 3500K, 4000K and 5000K
VOLTAGE: 24 Volt AC.
DISTRIBUTION: NFL (30°) or VWFL (140°)
MOUNTING: 3", 6" or 9" Adjustable
ELECTRICAL: Remote 24Vac transformer by others, may be dimmed using low voltage magnetic dimming equipment
CORD: 16-3 submersible cord, .380 diameter
FASTENERS: Stainless Steel
OPERATING TEMPERATURE: 36°F (2°C) through 90°F (32°C) — submersed; -30°F (-35°C) through 122°F (50°C) — dry

WEIGHT:

12" 3.9 lbs
18" 4.4 lbs
24" 5 lbs
30" 5.5 lbs
36" 6 lbs
42" 6.6 lbs
48" 7.1 lbs

LISTING: ETL us - Submersible, IP68. Suitable for submersible and dry locations.

WARRANTY: 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Consult factory for details.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



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Rev. 11/29/17
W6300

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Connecting the World to Everything Glass

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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
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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

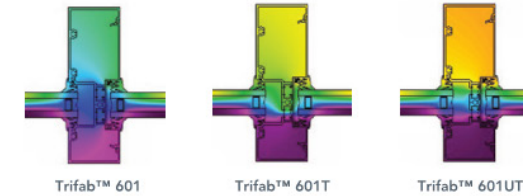
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ¼" to 1½"

Performance

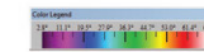
- Water performance up to 12psf, depending on sill choice and configuration
 - Structural tested up to a design pressure of 100psf
 - Higher water and structural performance available with engineering approval
 - Test results available upon request
- Performance does not apply to G3 Marine Glazed System.

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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

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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

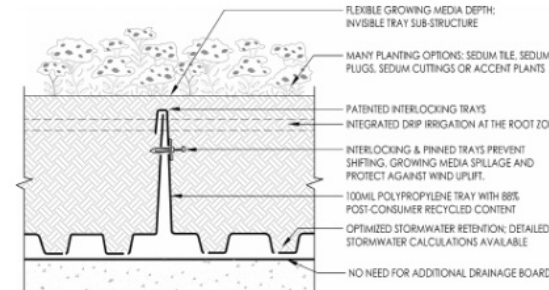
- Reduce the amount of stormwater runoff and delay the time in which runoff occurs- making green roofs a real asset to cities struggling with aging storm and sewer infrastructure
- Green roofs can support a variety of plant types and species, adding biodiversity and providing habitat for pollinator species.
- 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 pregrown.
- » 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

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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:

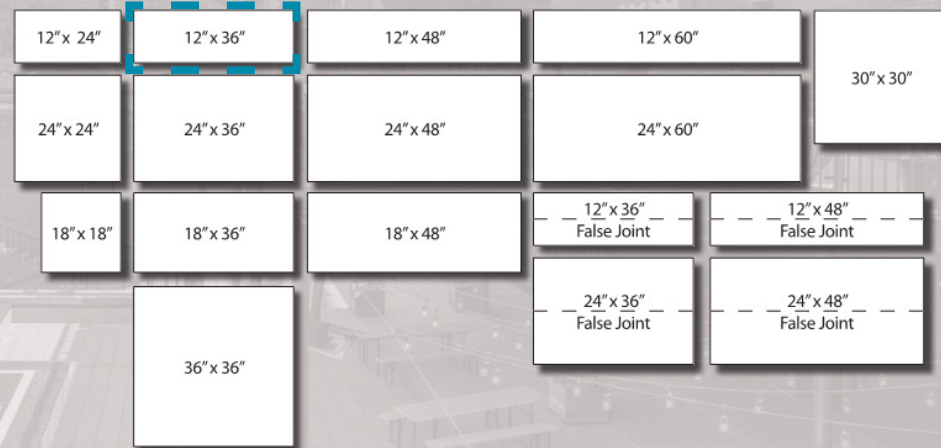
- **AviProtek®** : Acid-etched markers on the outside surface
- **AviProtek® E** : Acid-etched markers on the outside surface with **Vitro Glass** solar control Low-E coating on position 2
- **AviProtek® T** : Transparent UV markers on the outside surface 1 of the glass

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		

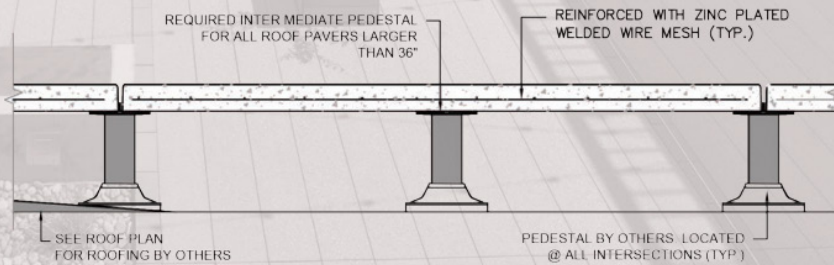
AviProtek® with Solarban® glass products are only available from members of the Vitro Certified™ Network.
 Product available in full pack quantity, in standard dimension of 96" x 130", subject to certain conditions
 Other thicknesses available on demand, subject to minimum quantity
 Custom patterns meeting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

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	

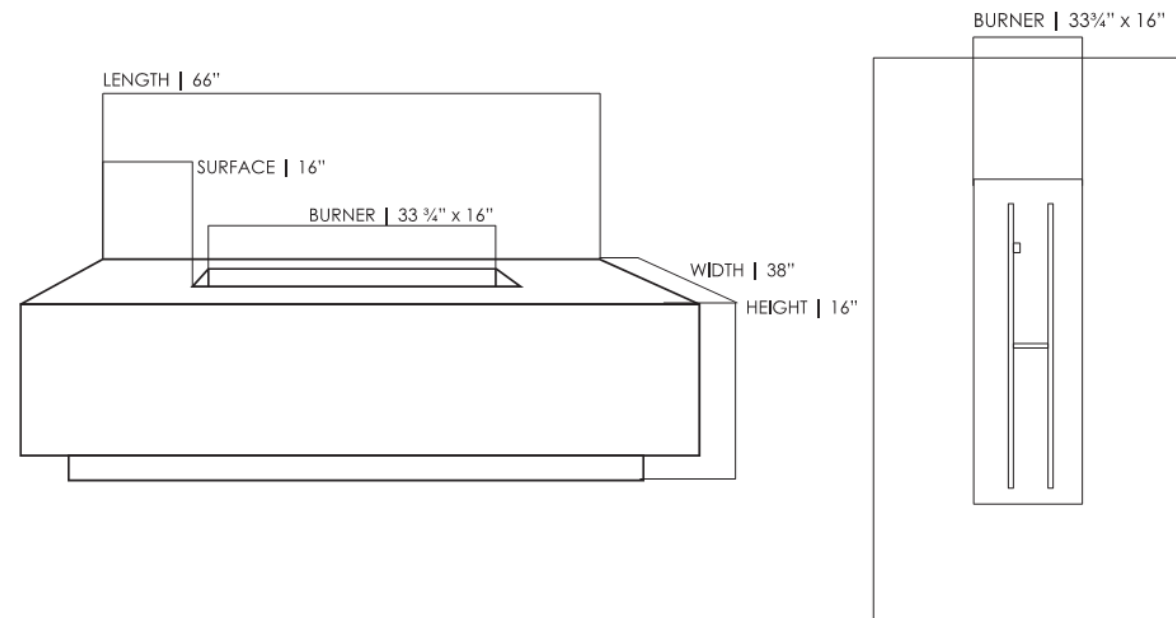


Stepstone proudly distributes the Bison IP pedestal system.



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	SCALE	NTS	SERIAL #	DATE	1/30/2019

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]

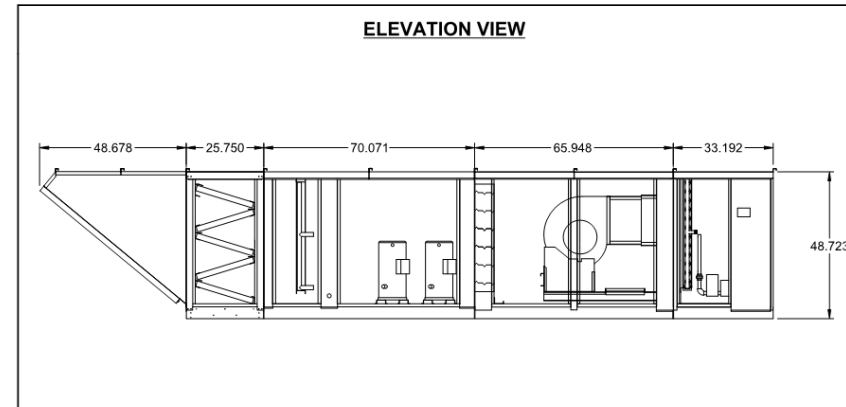
SHIPPING WEIGHT	5760 lbs+ [2615] kg+	OPERATING WEIGHT	8660 lbs+ [3930] kg+	HEAVIEST SECTION WEIGHT	4940 lbs+ [2245] kg+	NO. OF SHIPPING SECTIONS	2	DRAWN BY:	CAF
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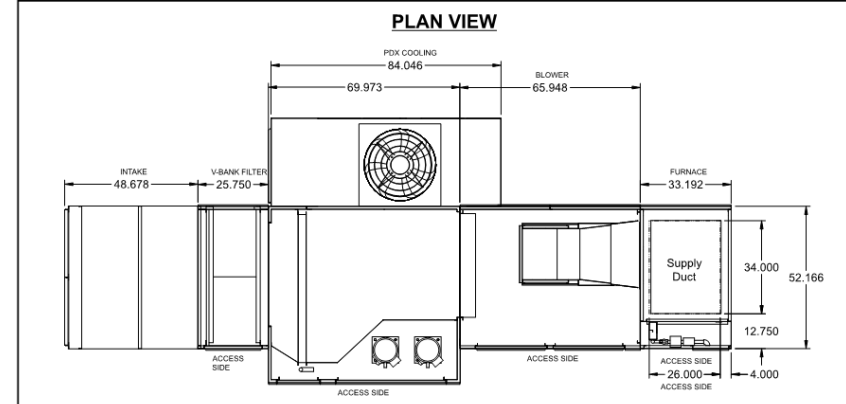
AIR HANDLER UNIT LOCATED AT LEVEL ROOF



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

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EXHAUST FAN LOCATED AT LEVEL 02 + ROOF

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

FX16B Quantity: 1
 Roof Mounted Upblast Spun Aluminum Exhaust Fan Special: None

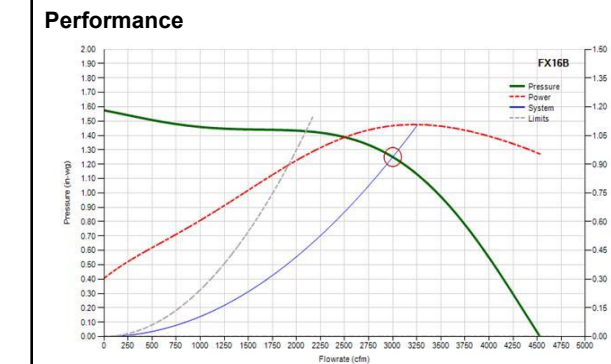
Standard Construction Features

- 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



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