

PLUMBING CODE CALCULATIONS

REFER TO OBC CHAPTER 29 AND TABLE 2902.1 "MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES" FOR EXCEPTIONS, AND FOOTNOTES

OCCUPANCY: BUSINESS - B	WATER CLOSET		LAVATORIES		BATHUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
REQUIRED:	1	1	1	1	—	1	1 SERVICE SINK
PROVIDED:	1	1	1	1	0	0 ^a	1 SERVICE SINK

^a DRINKING WATER AND OTHER REFRESHMENTS PROVIDED BY TENANT IN LIEU OF INSTALLED DRINKING FOUNTAIN

SHELL BUILDING CODE DATA (BELOW PODIUM)

OCCUPANCY: B, M, R-2
 USE GROUP: BUSINESS, MERCANTILE, RESIDENTIAL

MIXED USE, NON-SEPARATED

CONSTRUCTION TYPE: 1A, SPRINKLED

CODE AREAS:	FIRST FLOOR:	26,441 SF
	SECOND FLOOR:	26,200 SF
	SUBTOTAL:	52,641 SF (BELOW PODIUM)
	TOTAL ABOVE PODIUM:	103,225 SF (4 FLOORS)
	BUILDING TOTAL AREA:	158,866 SF

OCCUPANT LOAD

AREA DESIGNATION	FUNCTION OF SPACE	AREA	SF PER PERSON	OCCUPANT LOAD
FIRST FLOOR				
CONF. ROOM	ASSEMBLY - UNCONCENTRATED	185 SF	15	13
CONF. ROOM	ASSEMBLY - UNCONCENTRATED	387 SF	15	26
OFFICES	BUSINESS	4,556 SF	100	46
GRAND TOTAL:		5,128 SF		85

EGRESS TRAVEL DISTANCES

EGRESS ROUTE	EGRESS PATH DISTANCE	ALLOWABLE DISTANCE
01	90' - 2"	300' - 0"
02	82' - 1"	300' - 0"

PROJECT CODE DATA

OCCUPANCY: (B) BUSINESS
 USE GROUP: OFFICES / PROFESSIONAL SERVICES

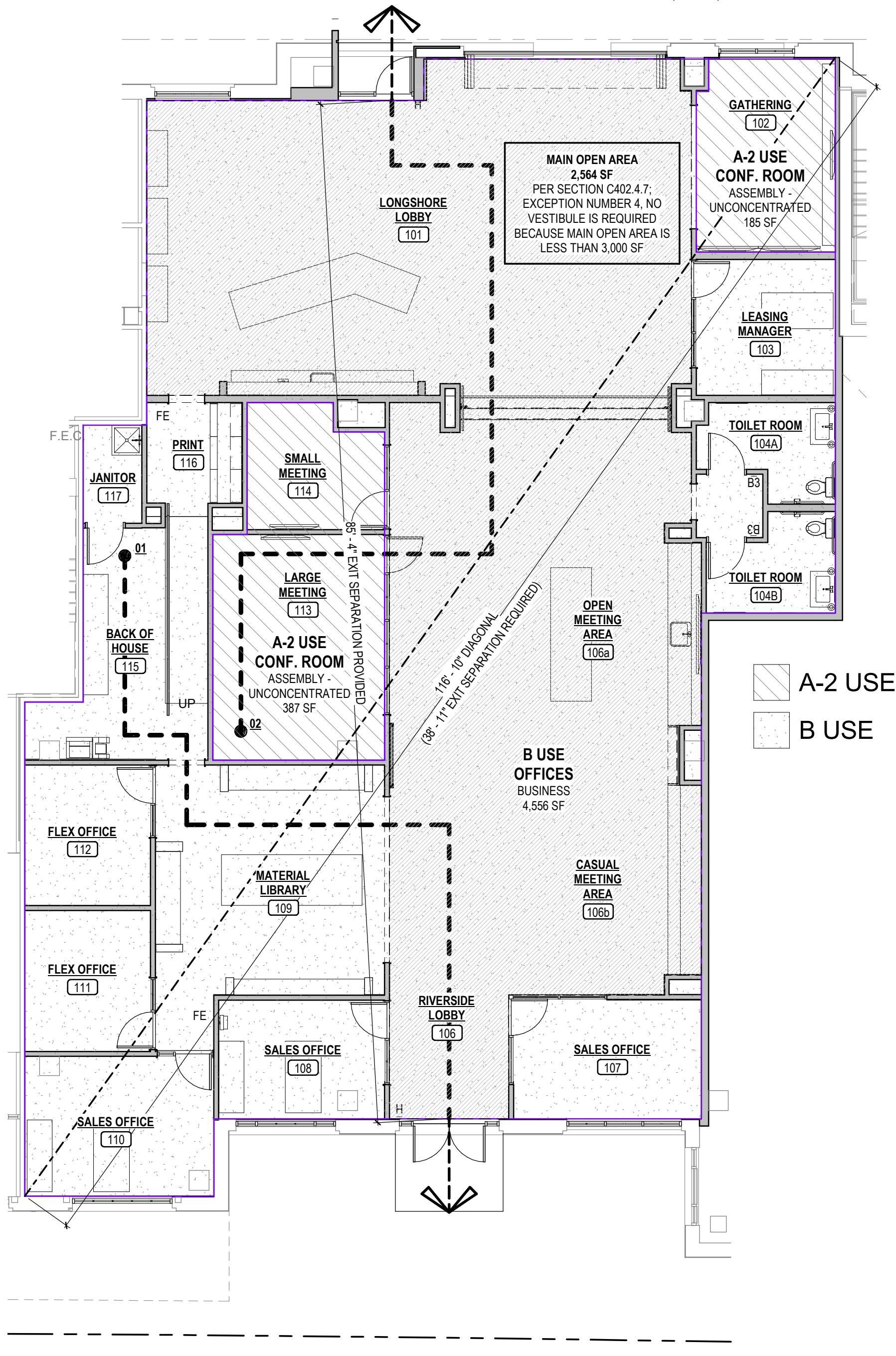
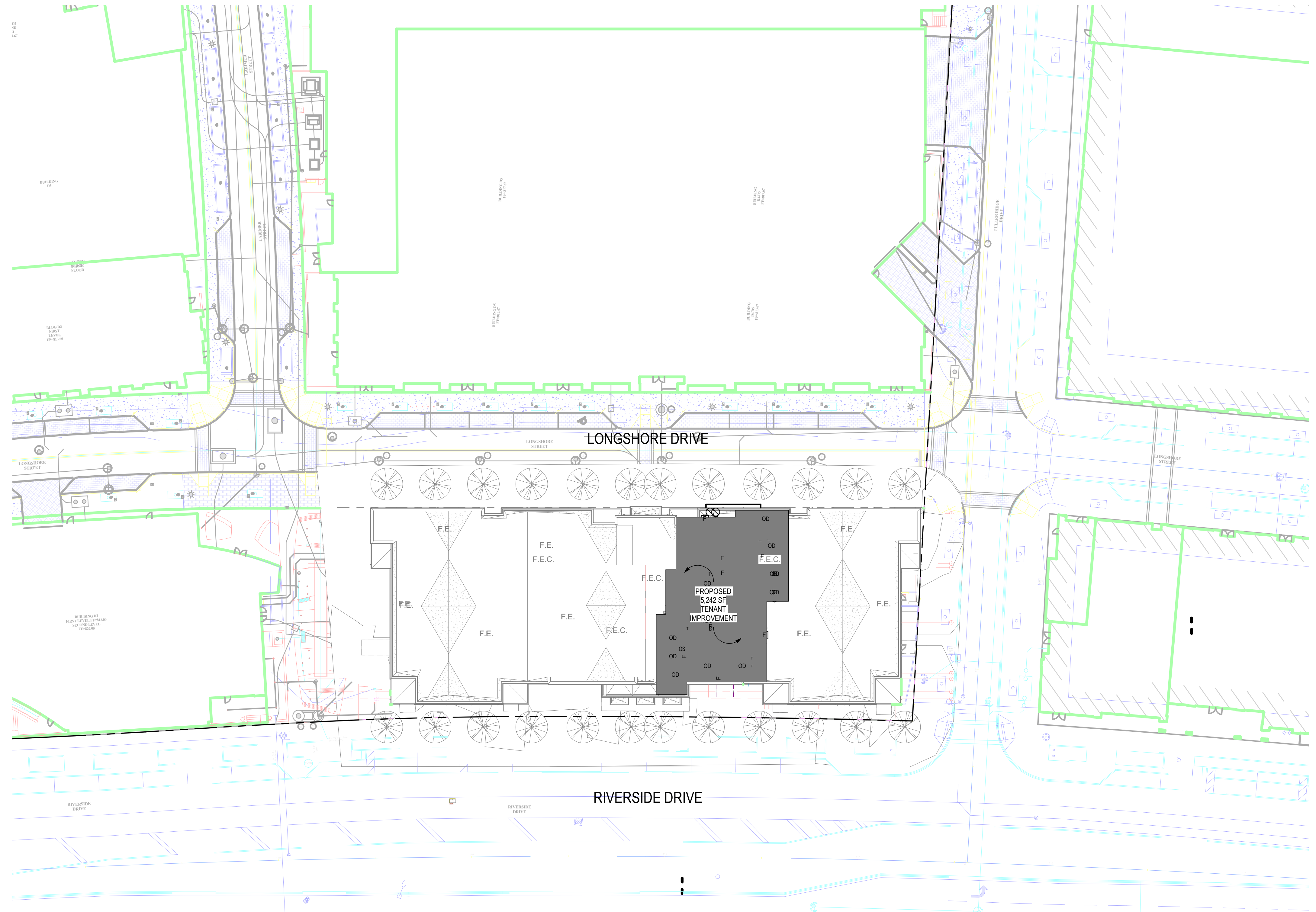
MIXED USE, NON-SEPARATED:

CONSTRUCTION TYPE: 1A, SPRINKLED

EXISTING AREA:	FIRST FLOOR:	5,242 SF
TOTAL AREA OF WORK:	FIRST FLOOR:	5,242 SF

CODE PLAN LEGEND

- EXISTING WALL
- NEW WALL
- EGRESS PATH WITH TRAVEL DISTANCE (WITH PATH DESIGNATION)
- PORTABLE FIRE EXTINGUISHER (BRACKET OR CABINET MOUNTED): 2-A-20-B-C MINIMUM (OFC 906)



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STATUS:

REVISION:

PROJECT NUMBER:

DRAWN BY:

DATE:

SHEET NAME:

SHEET NUMBER:

STATE OF OHIO
 LORI A. BONGIORNO
 11082
 ARCHITECT

LORI A. BONGIORNO #11082
 EXPIRATION DATE 12-31-2021

2019.326

AL

30 JAN 2020

CODE & SITE PLAN

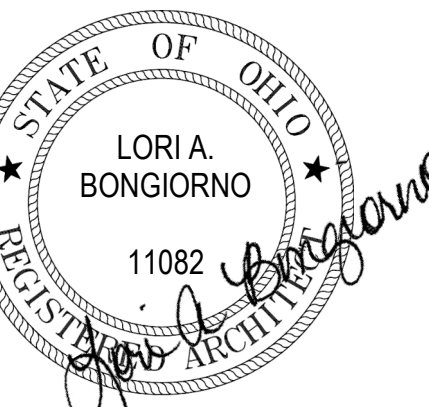


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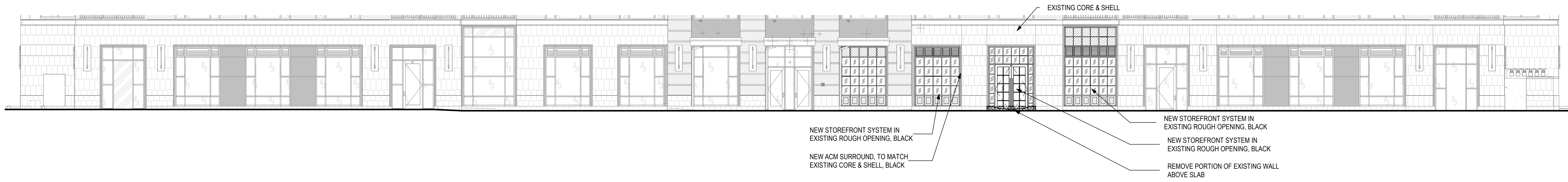
SHEET NAME:

FIRST FLOOR
EXTERIOR ELEVATIONS

SHEET NUMBER:

A6.0

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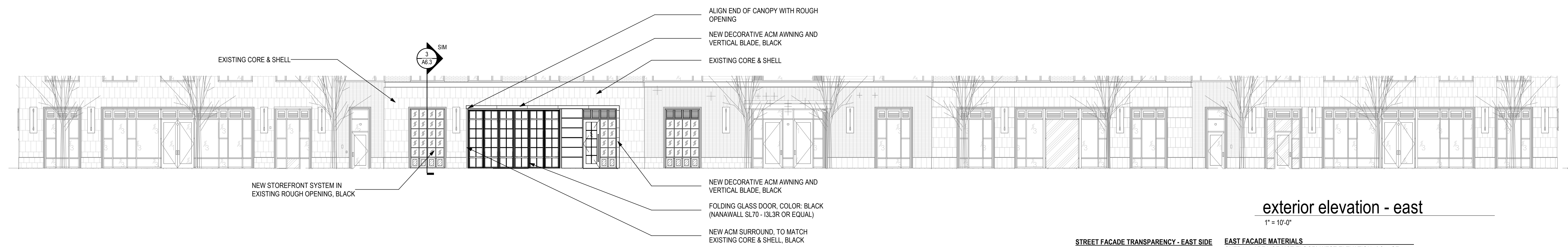


exterior elevation - west

1" = 10'-0"

STREET FACADE TRANSPARENCY - WEST SIDE

1ST STORY
UNCHANGED BY SCOPE OF WORK



exterior elevation - east

1" = 10'-0"

STREET FACADE TRANSPARENCY - EAST SIDE

1ST STORY
STORY AREA: 2,651 SF
TRANSPARENCY: 1,606 SF
REQUIRED: 53%
PROVIDED: 61%

EAST FACADE MATERIALS

OVERALL AREA OF (1ST FLOOR) WEST ELEVATION: 4,257 SF
AREA OF DOORS AND OPENINGS: 1,606 SF
NET AREA OF ELEVATION: 2,651 SF

MATERIAL	PRIMARY/SECONDARY	AREA (SF)	PERCENTAGE	REQUIRED	MET?
BRICK	PRIMARY	586	13.75%		
LIMESTONE	PRIMARY	1,663	39%		
GLASS	PRIMARY	1,606	37.75%	77%	Y
		3,855 SF	90.5%		
COMPOSITE METAL PANEL	SECONDARY	227	5.5%		
FIBER CEMENT SIDING	SECONDARY	0	0%		
METAL TRIM AND LOUVERS	SECONDARY	221	5.25%		
		448 SF	10.75%	<23%	Y

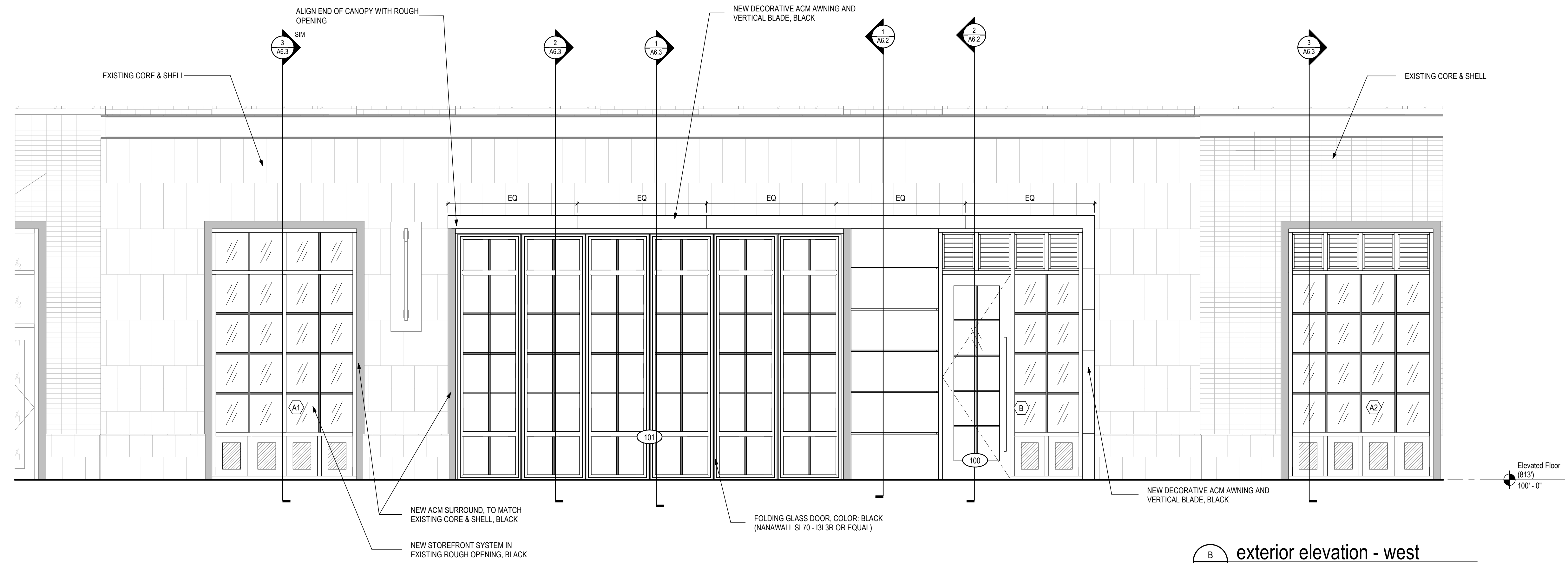
*65 SF OF LIMESTONE IS BEING PROPOSED TO CHANGE TO COMPOSITE METAL PANEL.
THE SQUARE FOOTAGE NUMBERS STATED ABOVE ARE WHAT IS BEING PROPOSED.



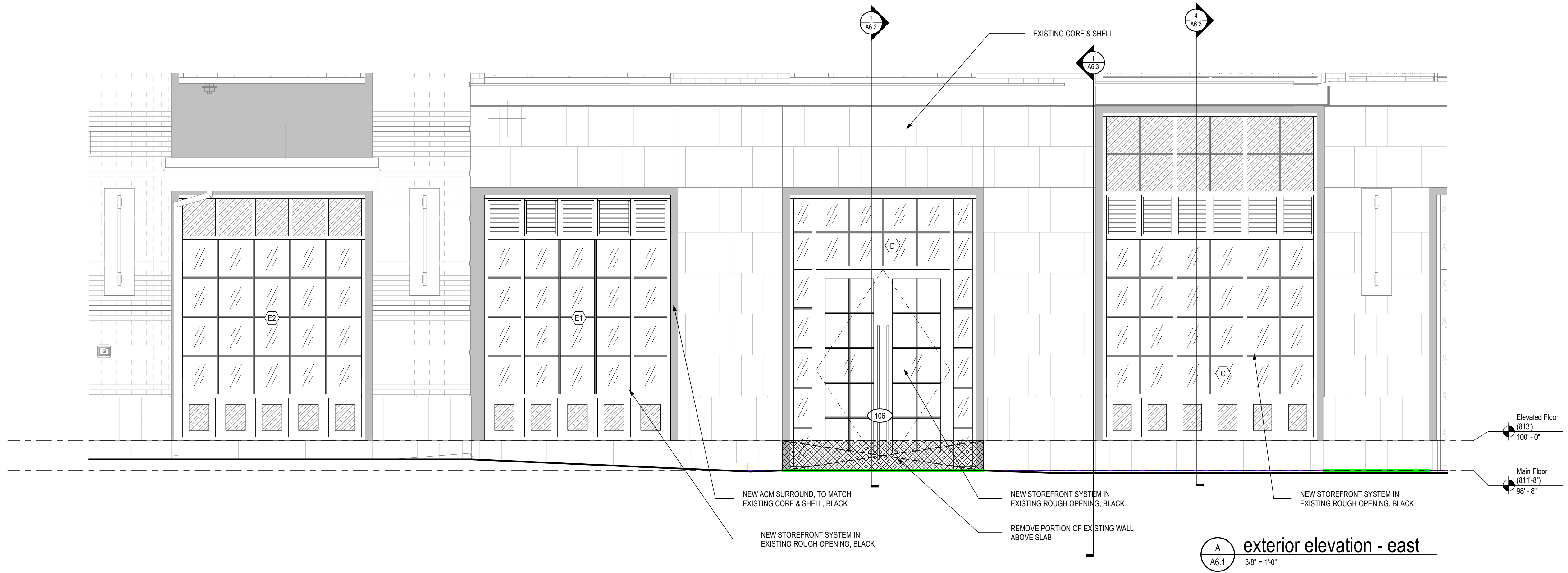
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B exterior elevation - west
A6.1 3/8" = 1'-0"



A exterior elevation - east
A6.1 3/8" = 1'-0"

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DRAWN BY:

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DATE:

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SHEET NAME:

EXTERIOR ELEVATIONS

SHEET NUMBER:

A6.1

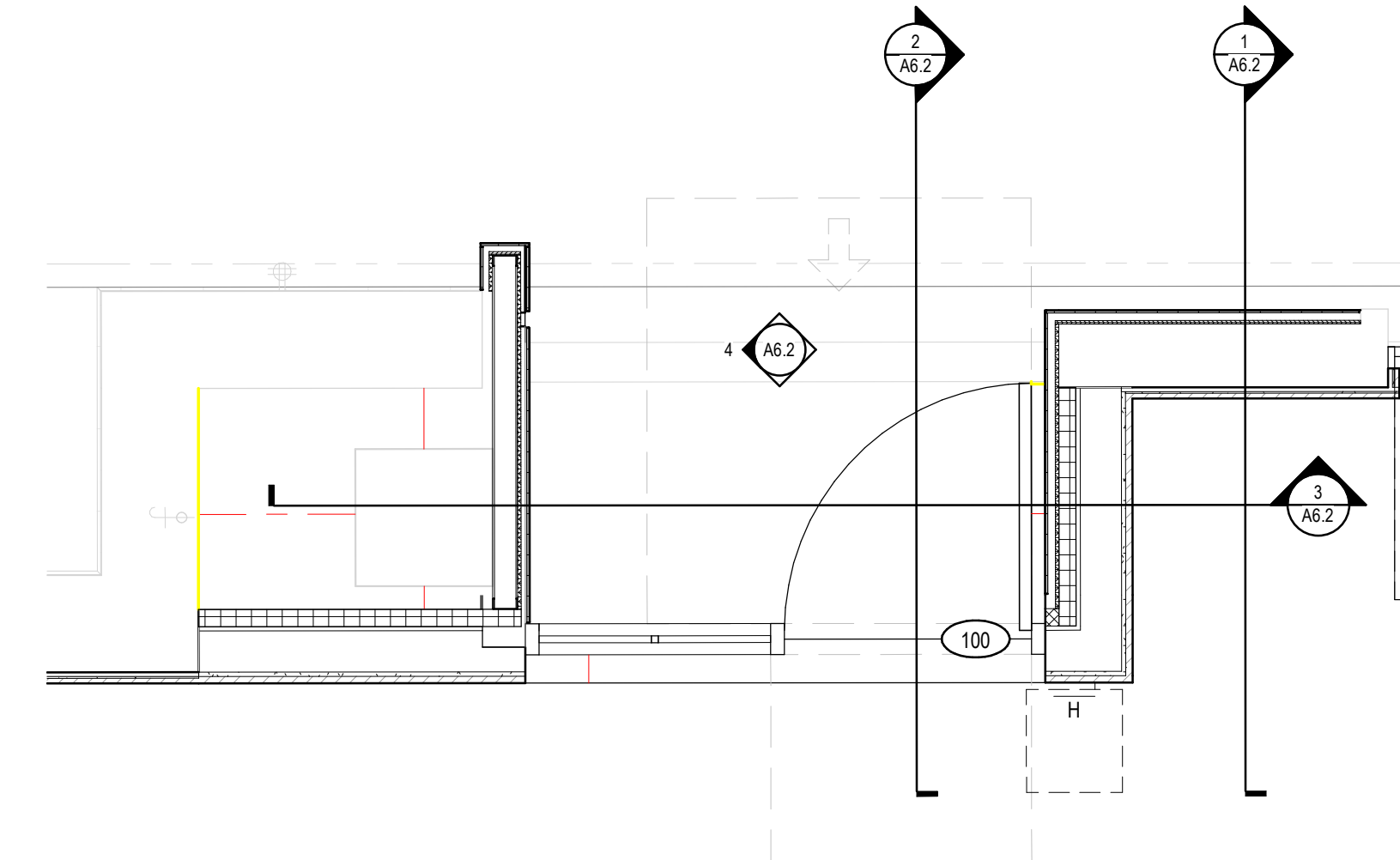
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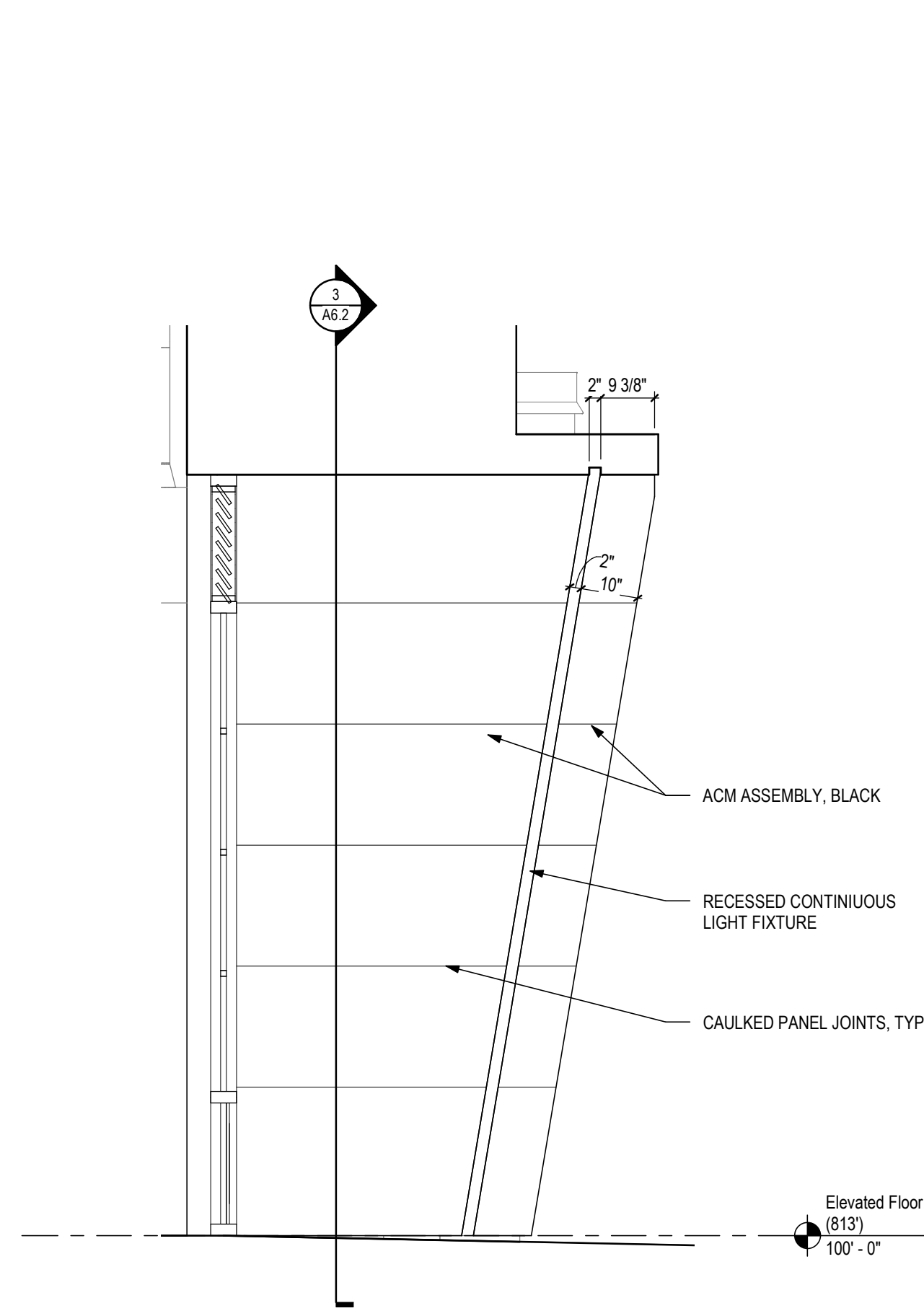
canopy from the south



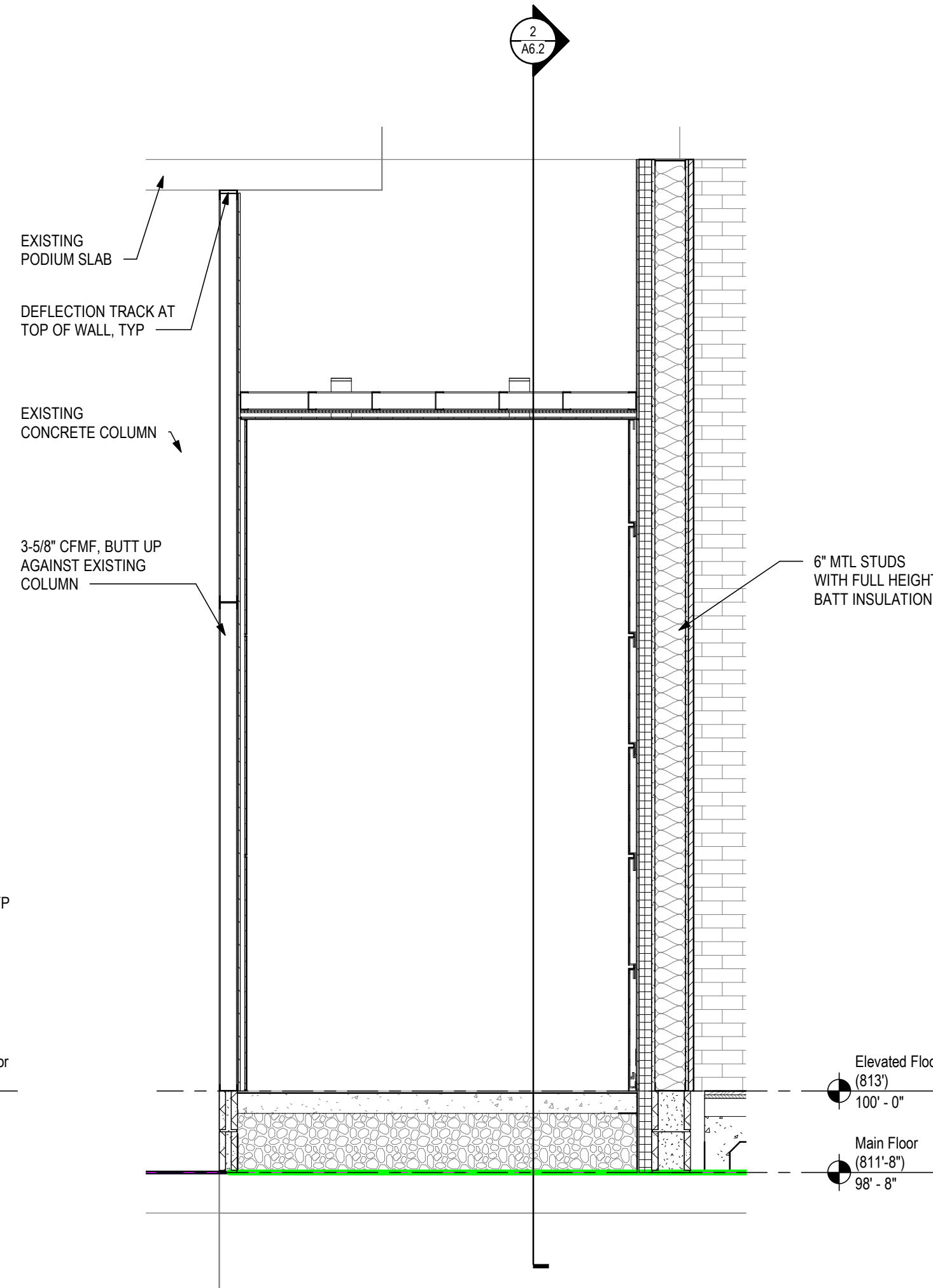
canopy from the north



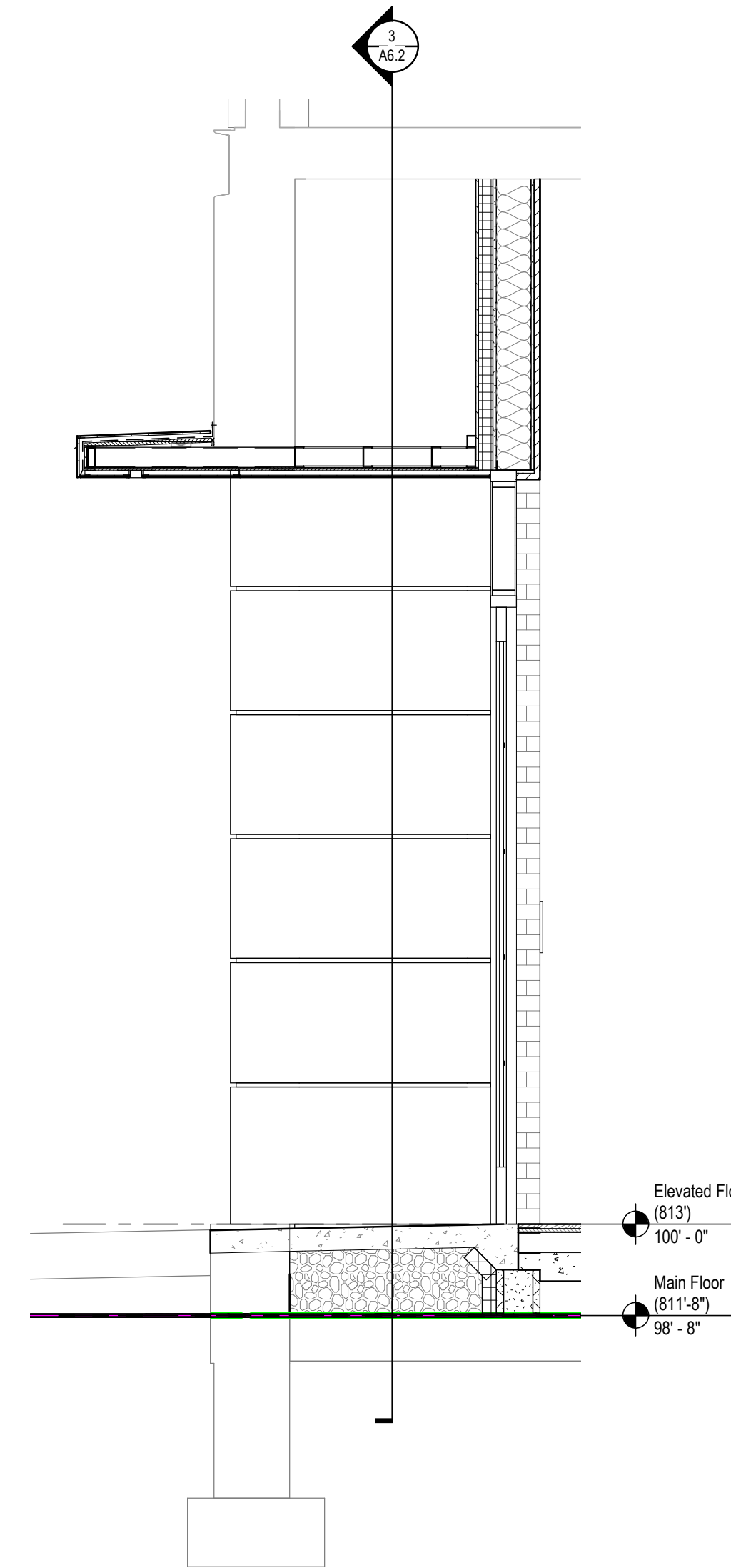
enlarged floor plan
1/2" = 1'-0"



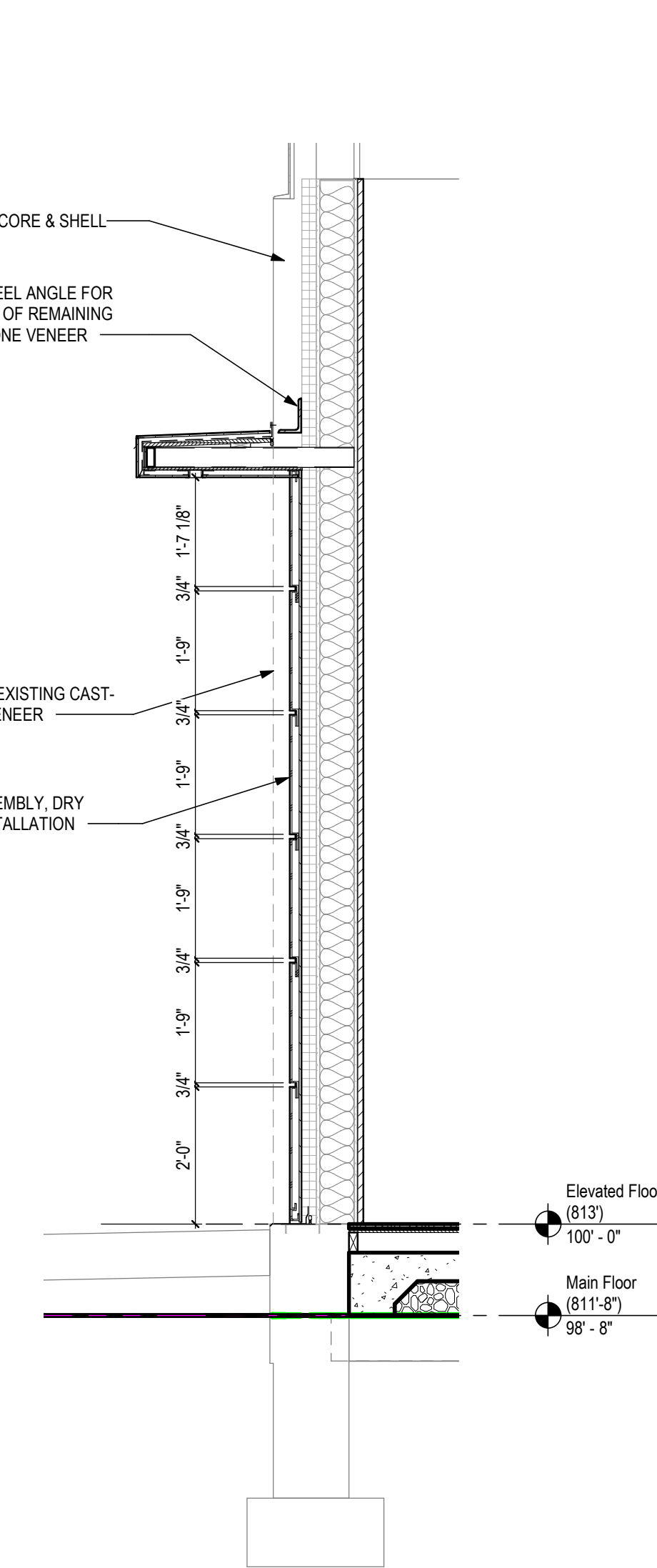
4 exterior elevation
A6.2 1/2" = 1'-0"



3 section
A6.2 1/2" = 1'-0"



2 wall section
A6.2 1/2" = 1'-0"



1 section
A6.2 1/2" = 1'-0"



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SHEET NAME:

EAST ENTRY PLAN
AND DETAILS

SHEET NUMBER:

A6.2

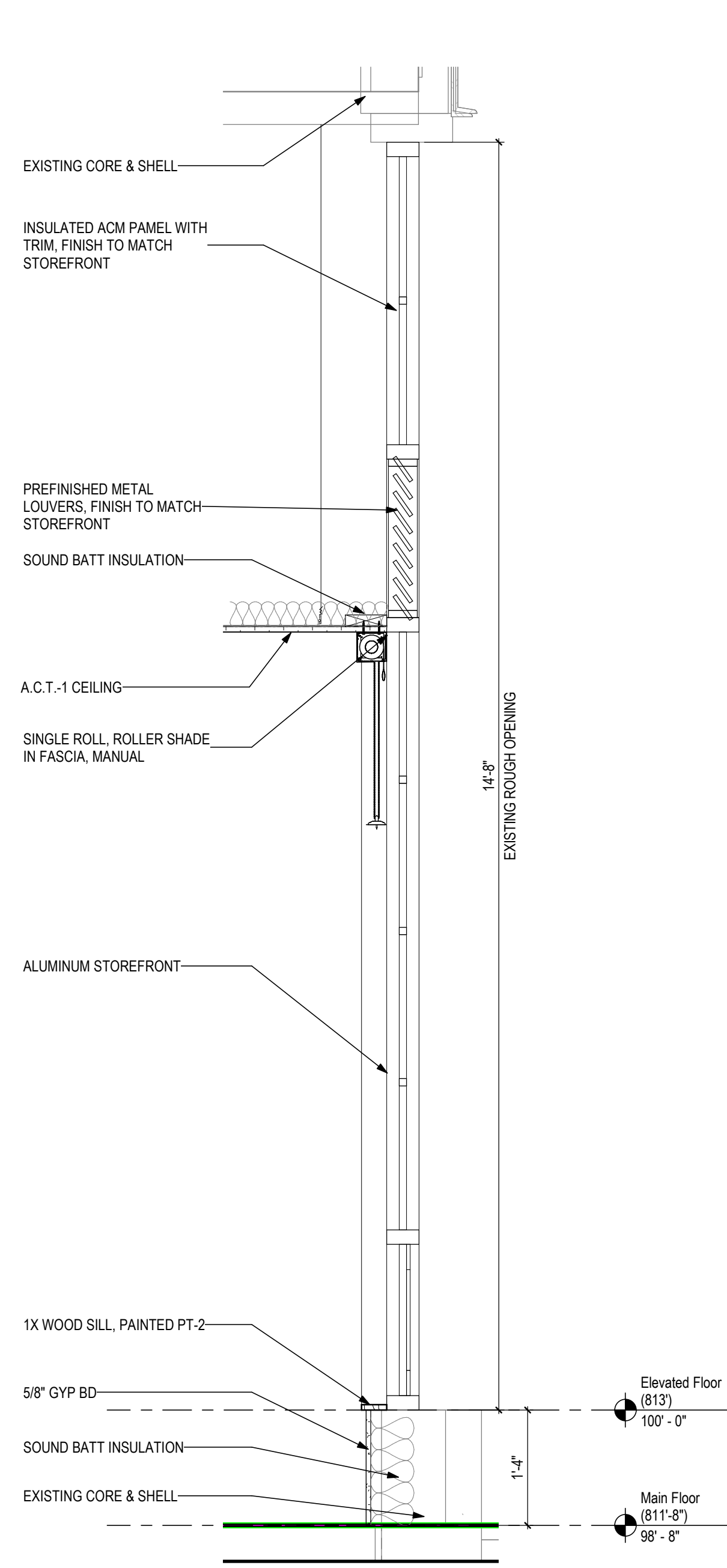
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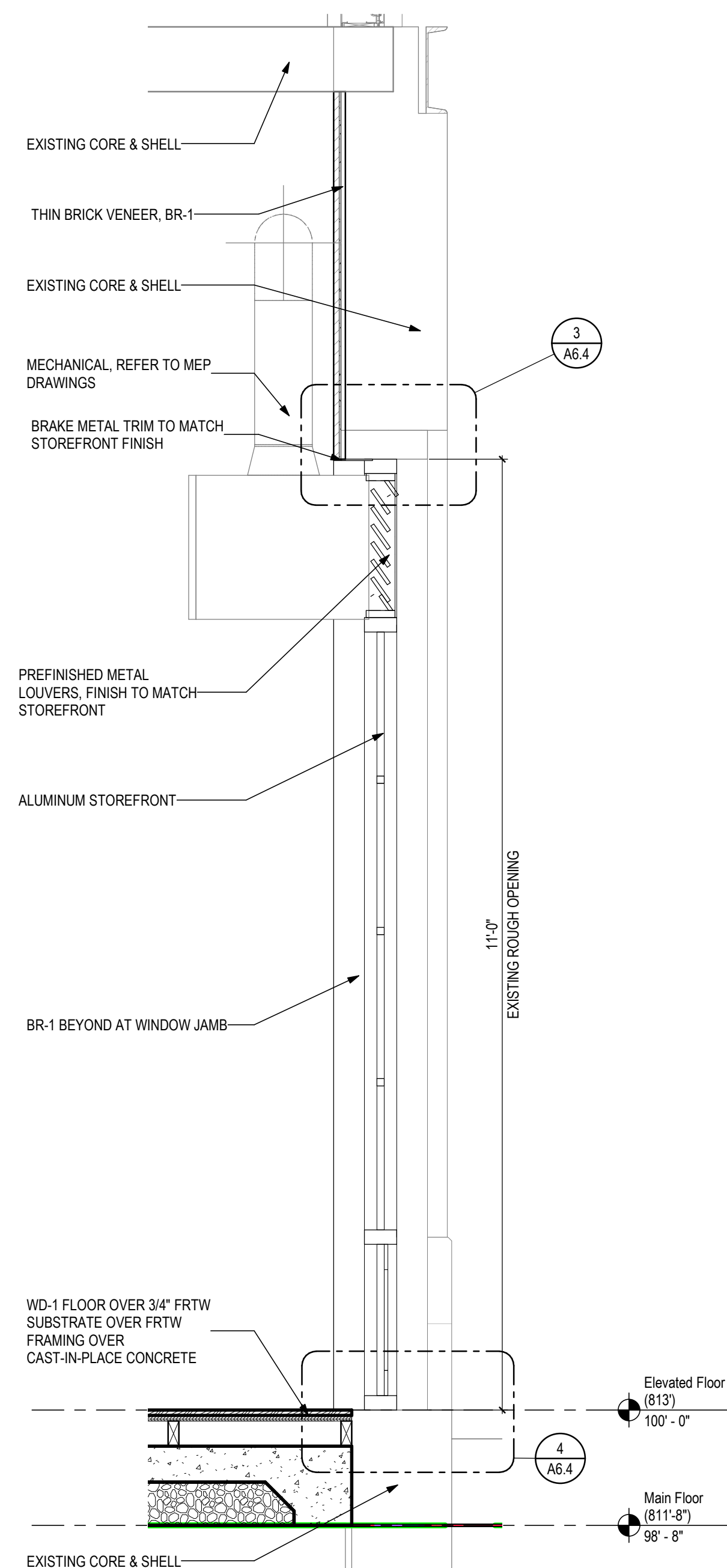
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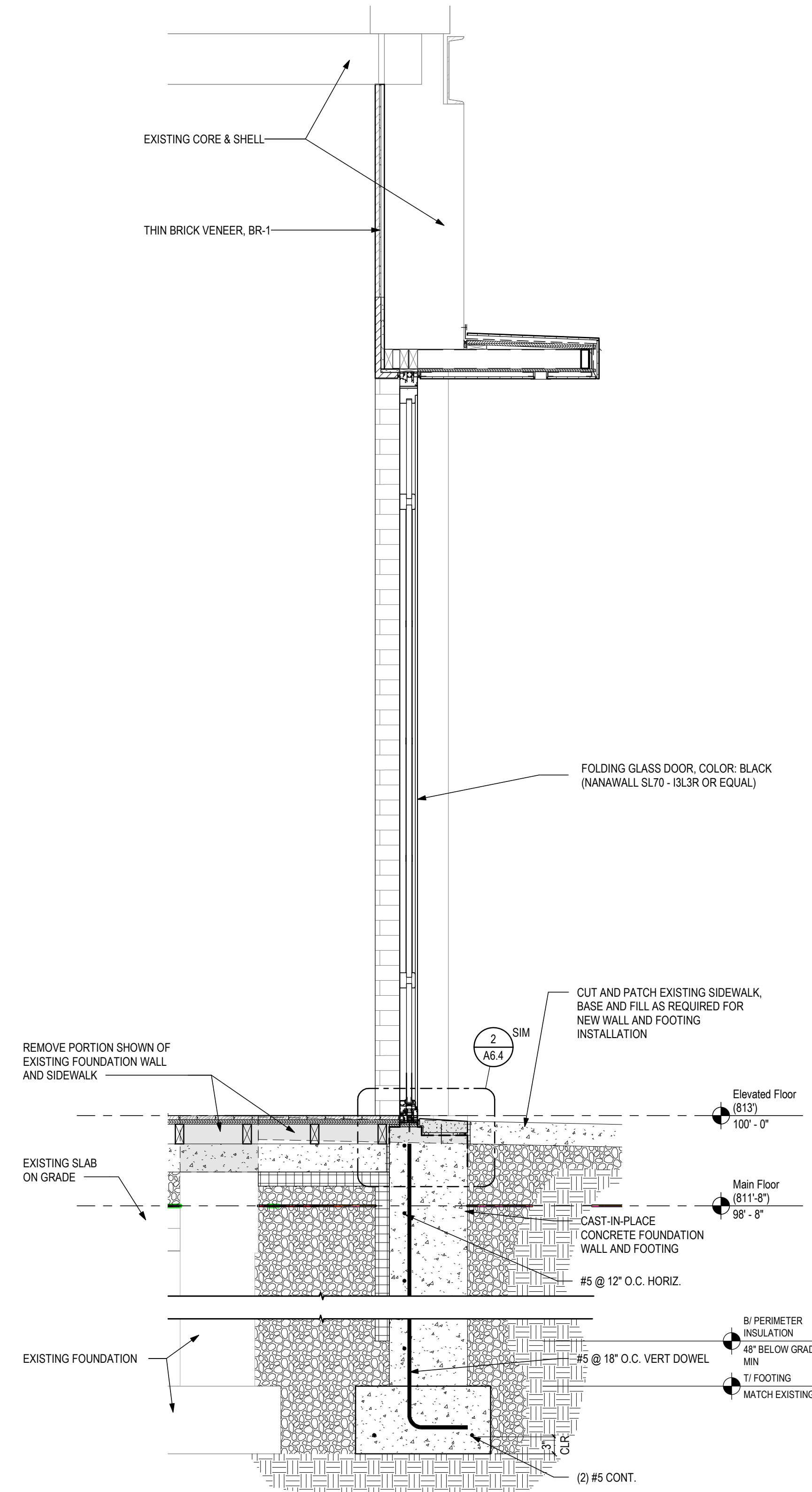
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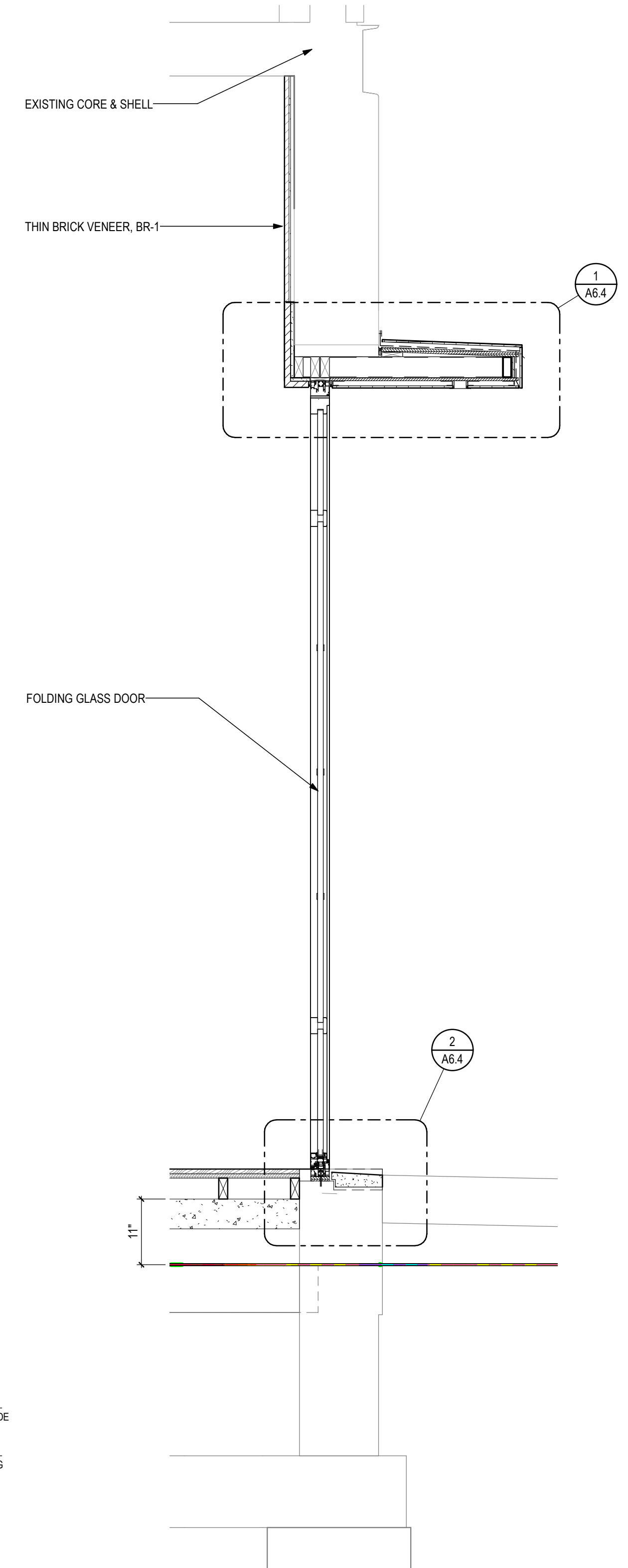
4 wall section
A6.3 3/4" = 1'-0"



3 wall section
A6.3 3/4" = 1'-0"

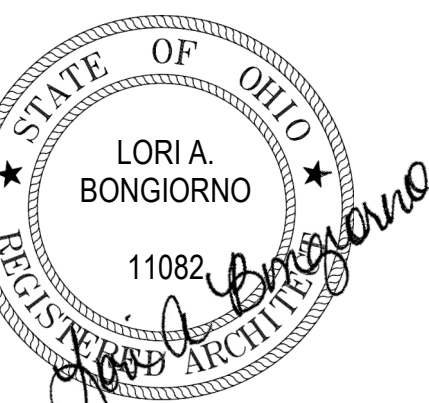


1 wall section
A6.3 3/4" = 1'-0"



2 wall section
A6.3 3/4" = 1'-0"

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SHEET NAME:

BUILDING AND WALL SECTIONS

SHEET NUMBER:

A6.3

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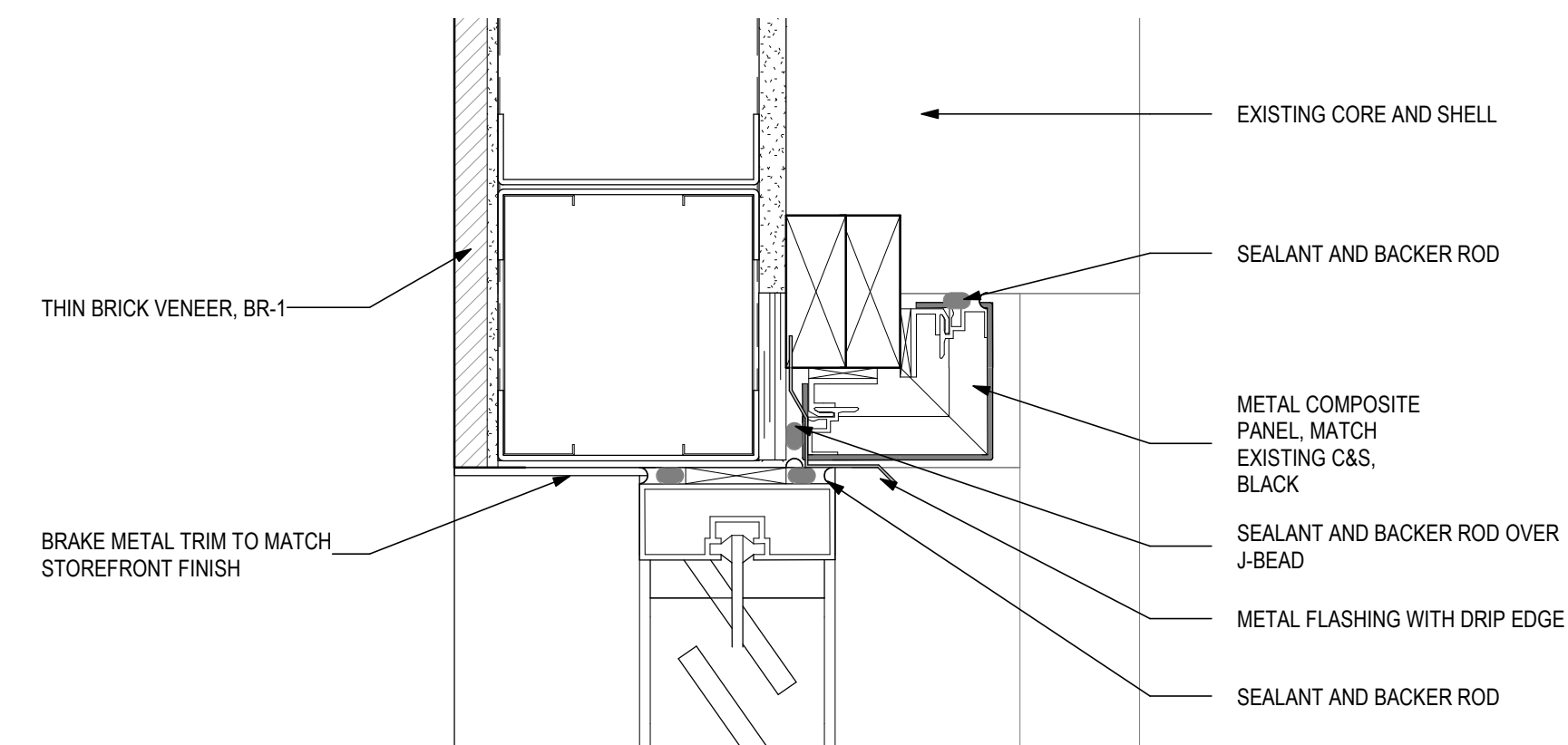


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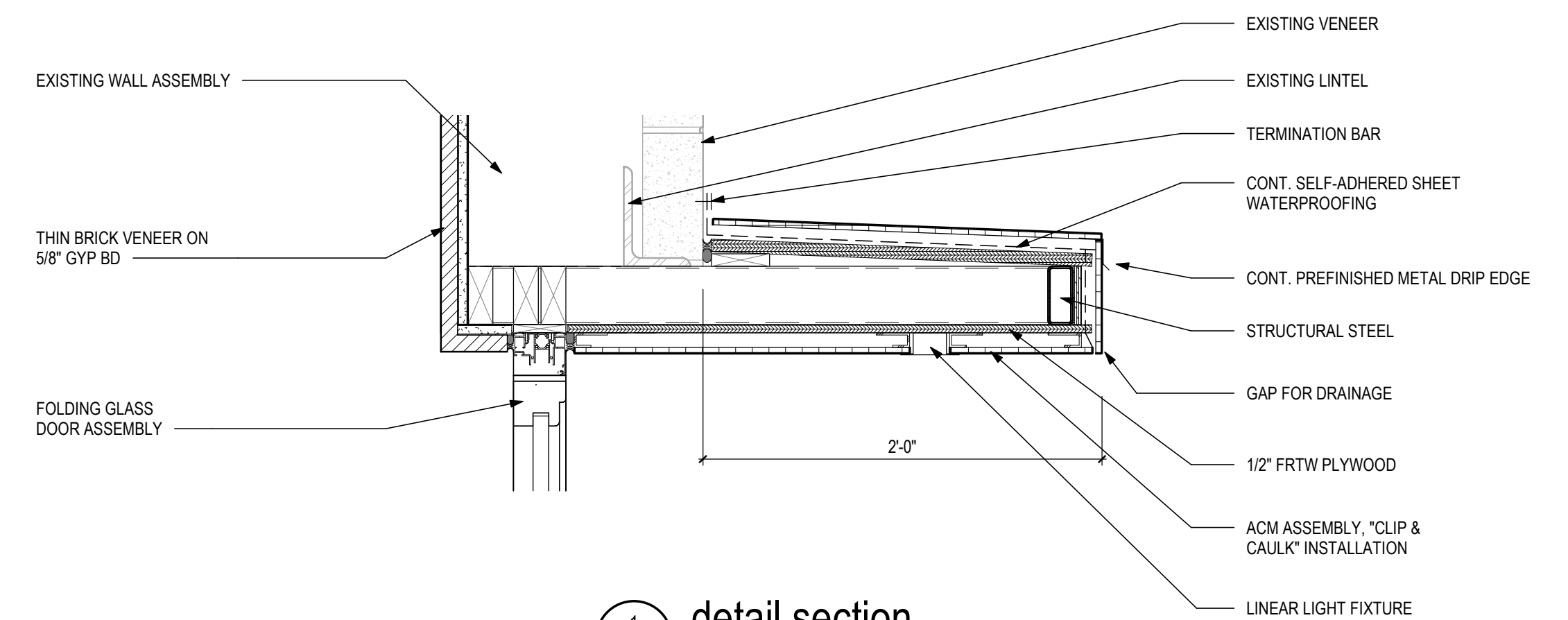
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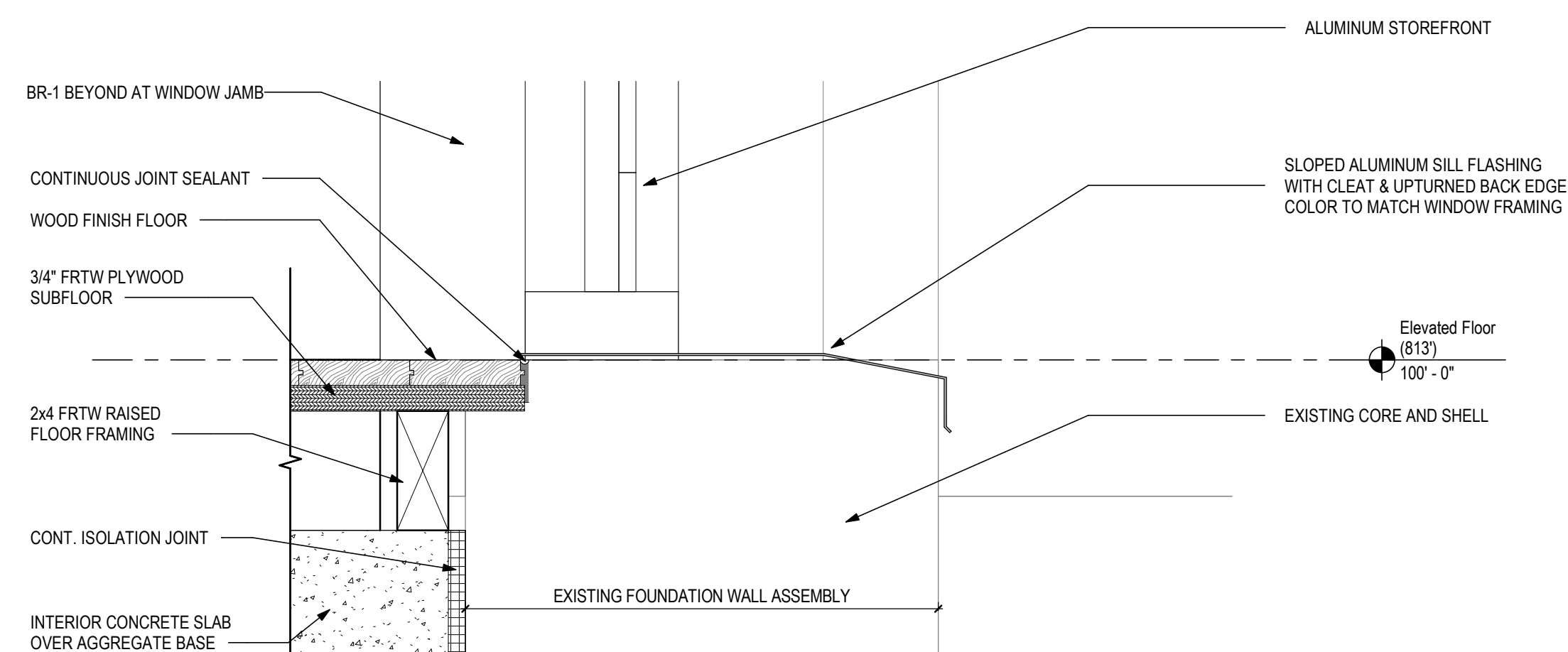
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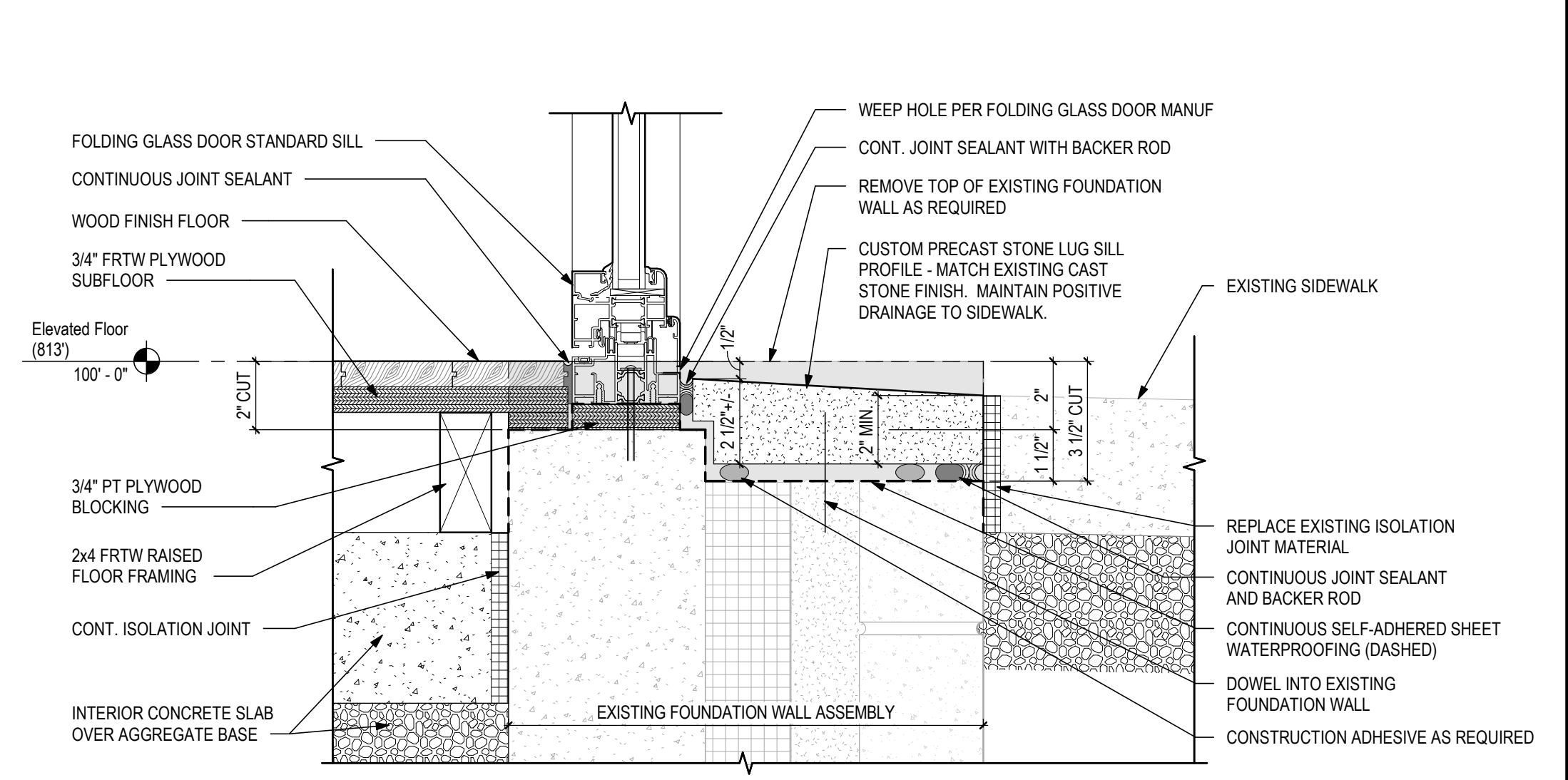
3 detail section
A6.4 3' = 1'-0"



1 detail section
A6.4 1 1/2' = 1'-0"



4 detail section
A6.4 3' = 1'-0"



2 detail section
A6.4 3' = 1'-0"

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SHEET NAME:

WALL SECTION DETAILS

SHEET NUMBER:

A6.4

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GENERAL NOTES

- MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY MANUFACTURERS FOR PRODUCTS LISTED IN HARDWARE SETS. UNLESS OTHERWISE INDICATED, PRODUCTS OF EQUAL OR BETTER QUALITY, DESIGN, AND FUNCTION BY OTHER MANUFACTURERS MAY BE USED PER LIST BELOW. SUBSTITUTIONS ARE NOT ALLOWED UNLESS APPROVED BY ARCHITECT OR OWNER.
 - A. HINGES: HAGER, BOMMER
 - B. LOCKSETS: CORBIN RUSSWIN
 - C. EXIT DEVICES: CORBIN RUSSWIN
 - D. CLOSERS: CORBIN RUSSWIN, DORMA
 - E. TRIM/AUX: HAGER, BURNS
 - F. WEATHERSTRIPPING: NGP, HAGER
- FINISHING: ALL DOORS AND FRAMES TO BE PAINTED SEMI-GLOSS PT-1 UNLESS OTHERWISE NOTED.
- CLOSERS: DOORS WITH CLOSERS SHALL COMPLY WITH THE FOLLOWING:
 - A. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 lbs FOR EXTERIOR DOORS AND 5 lbs FOR INTERIOR DOORS.
 - B. FROM AN OPEN POSITION OF 70° DOOR SHALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- NO THUMB TURN LOCKS ARE TO BE USED ON EMERGENCY EGRESS DOORS.
- ALL DOORS TO HAVE LEVER OR PUSH/PULL HARDWARE IN COMPLIANCE WITH ICC/ANSI 117.1-2009 AND ADA.
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION OF ANY STOREFRONT.
- ALL GLAZING TO BE TEMPERED OR IMPACT RESISTANT WHERE REQUIRED BY CODE.
- ALL HOLLOW METAL FRAMES SHOULD HAVE WELDED STUD ANCHORS FOR WOOD CONSTRUCTION.
- ALL DOOR HARDWARE SHOULD BE INSTALLED IN ACCORDANCE WITH ICC/ANSI A117.1 AND ADAAG STANDARDS.

DOOR HARDWARE NOTES

- ALL CORES TO BE SMALL FORMAT INTERCHANGEABLE CORES BY LOCKNET.
- ALL HARDWARE MUST MEET ADA & LIFE SAFETY CODE OF THE LOCAL MUNICIPALITY
- ALL METAL FRAMES TO RECEIVE (3) RUBBER MUTES
- EXISTING ENTRANCE DOOR SHALL BE PERMITTED TO BE EQUIPPED WITH A KEY-OPERATED LOCKING DEVICE ON THE EGRESS SIDE PROVIDED THAT:
 - A. THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED AND.
 - B. A READILY VISIBLE, DURABLE SIGN IS POSTED ON THE EGRESS SIDE OF THE DOOR STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS 1-INCH HIGH ON A CONTRASTING BACKGROUND. THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOCABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE.
 - C. THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOCABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE.
- WHERE APPLICABLE, PROVIDE DOOR CLOSER ON ADJACENT FRAME, ANCHOR CLOSER ARM TO DOOR, TYPICAL U.N.O.

ABBREVIATIONS

MATERIAL/ FINISH	AL	ALUMINUM
	ALS	ALUMINUM STOREFRONT
	HM	HOLLOW METAL
	IM	INSULATED METAL
	PF	PREFINISHED
	AN	ANODIZED (COLOR PER SCHED)
	SC	SOLID CORE WOOD
	PT	PAINT
	ST	STAIN
	PCS	PER COLOR SCHEME
*OTHER DESIGNATIONS REFER TO MATERIAL AND FINISH SCHEDULES		
GLASS	T	TEMPERED SAFETY GLAZING
	IGU	INSULATED GLAZING UNIT, 1"
MISC	MFR	MANUFACTURER

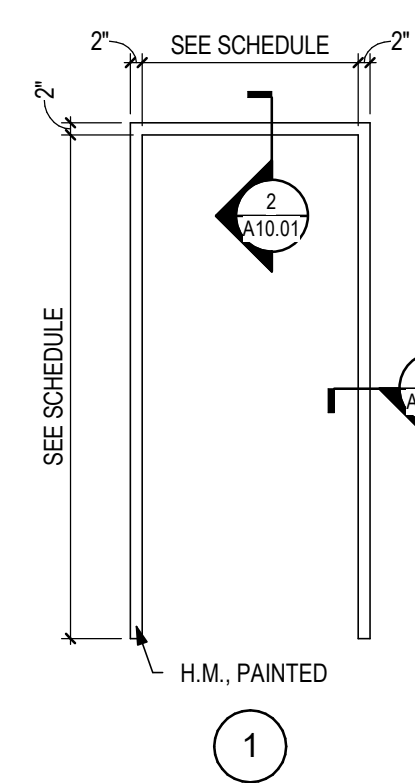
DOOR SCHEDULE

DOOR NO.	DOOR / OPENING SIZE		DOOR TYPE	DOOR MATL FINISH	FRAME TYPE	FRAME MATL FINISH	LABEL (MINS)	FRAME DETAIL	HWDR SET	REMARKS
	WIDTH	HEIGHT								
100	3'-0"	9'-0"	H1	ALUM. / BLACK ANOD	ALS	ALUM. / BLACK ANOD	---	---	#1	WEST ENTRY
101	17'-0"	11'-0"	---	---	---	---	---	---	#2	---
102	10'-4"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
103	3'-0"	9'-0"	G1	ALUM. / BLACK ANOD	ALS	ALUM. / BLACK ANOD	---	---	#3	---
104	3'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
104A	3'-0"	8'-0"	A	S.C. WOOD STAINED	1	H.M. PAINTED	---	---	#7	---
104B	3'-0"	8'-0"	A	S.C. WOOD STAINED	1	H.M. PAINTED	---	---	#7	---
106	6'-0"	9'-0"	H2	ALUM. / BLACK ANOD	ALS	ALUM. / BLACK ANOD	---	---	#6	EAST ENTRY
107	3'-0 5/8"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#4	---
108	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
109	14'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
110	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
111	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
112	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
113	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#5	---
114	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#5	---
115	3'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
116	3'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
117	3'-0"	7'-0"	A	S.C. WOOD STAINED	1	H.M. PAINTED	---	---	#8	---

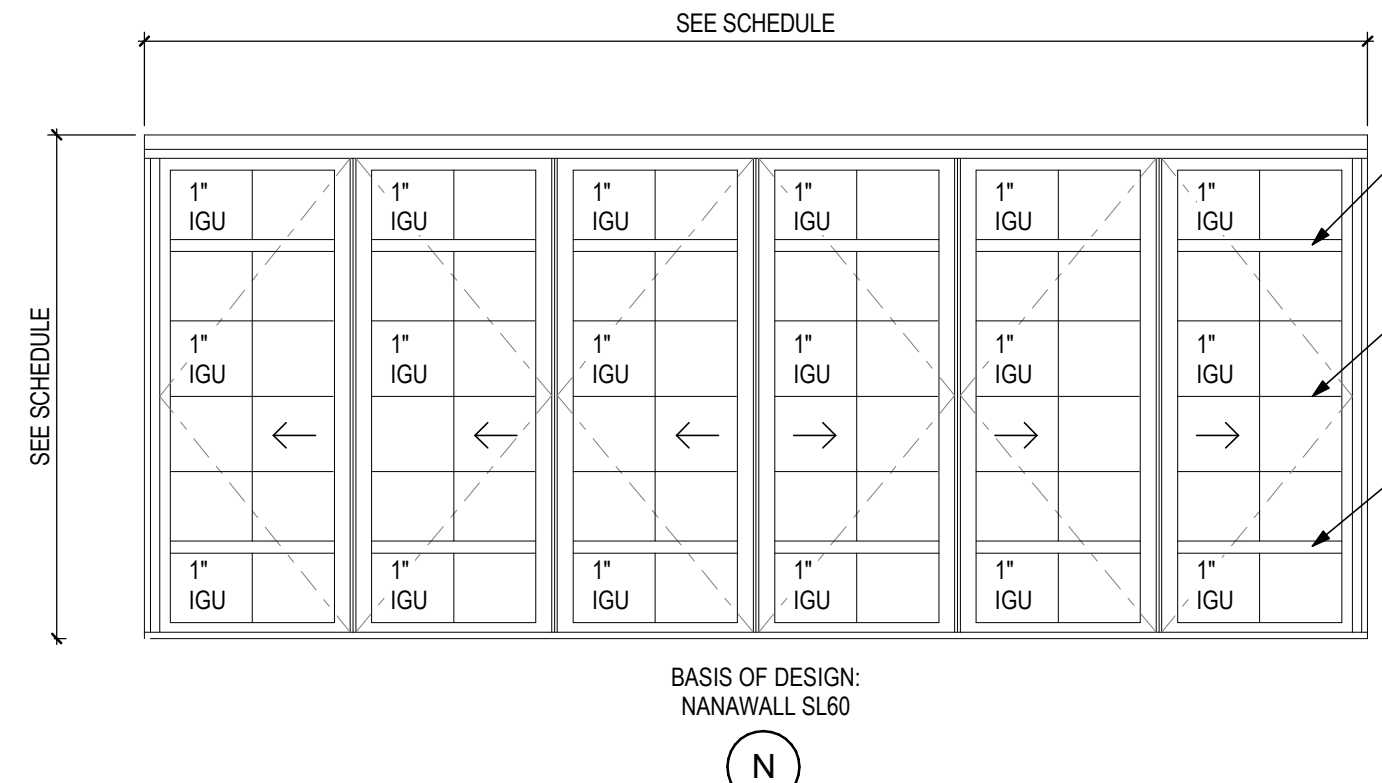
DOOR AND FRAME NOTES:

- UNDERCUT DOOR 1".

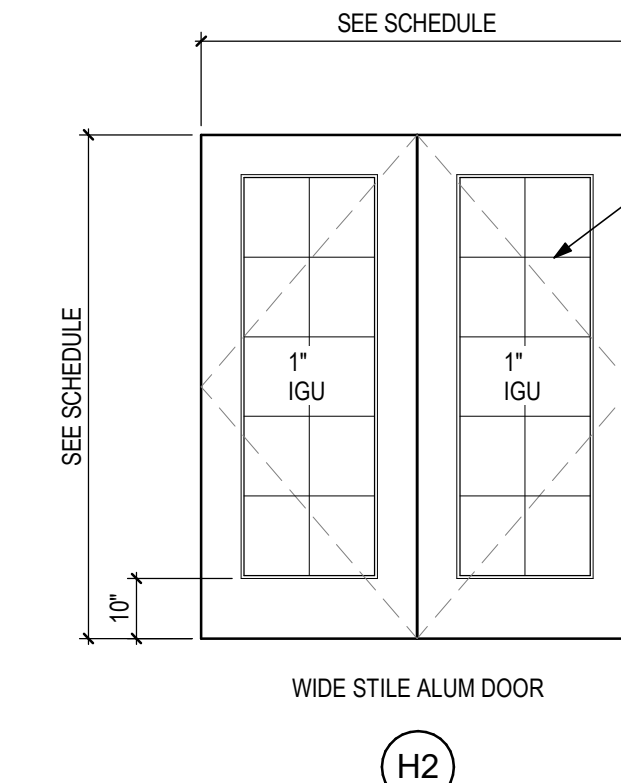
HARDWARE NOTES:



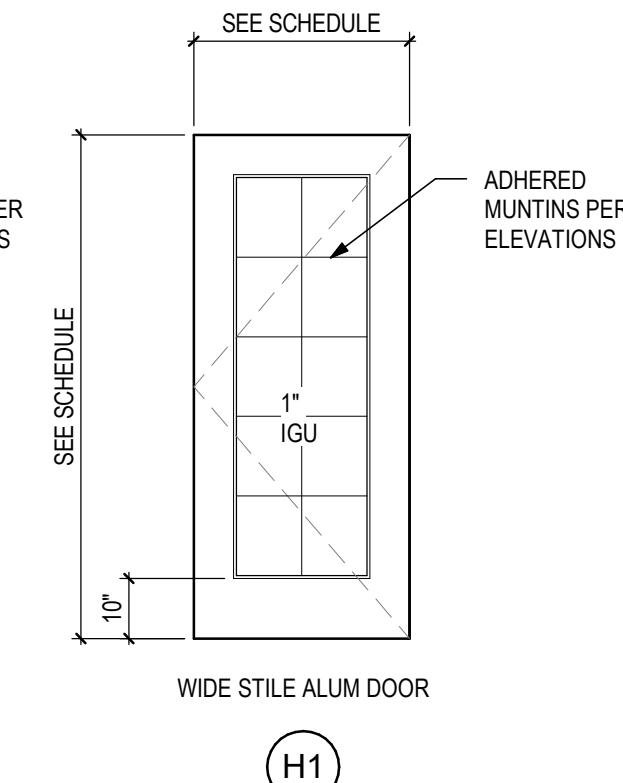
1 interior frame types
3/8" = 1'-0"



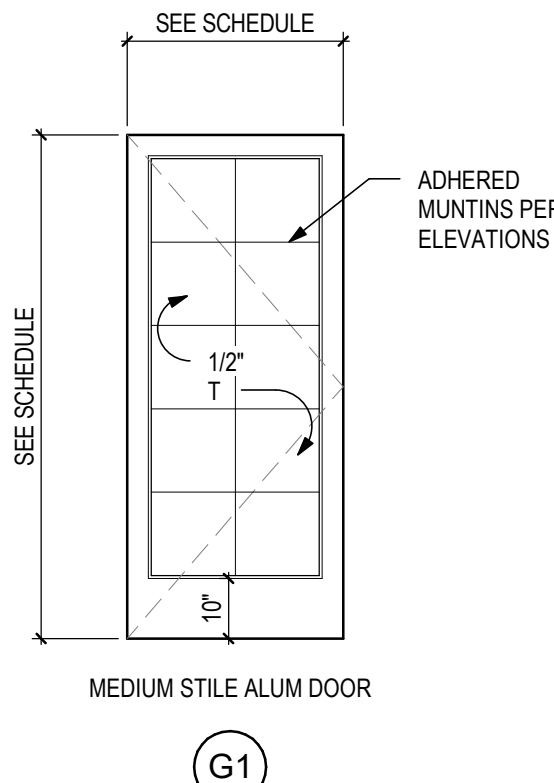
N door types
3/8" = 1'-0"



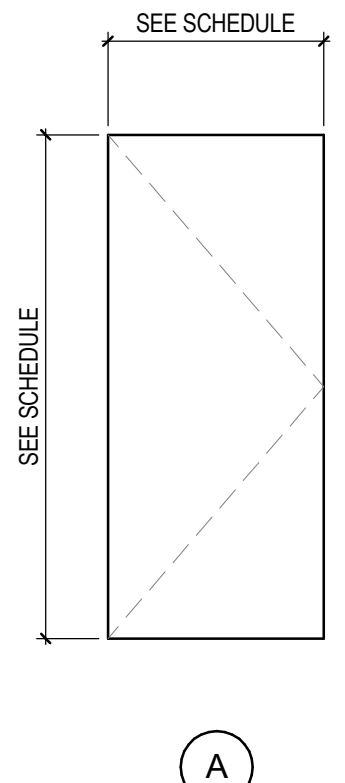
H2 WIDE STILE ALUM DOOR



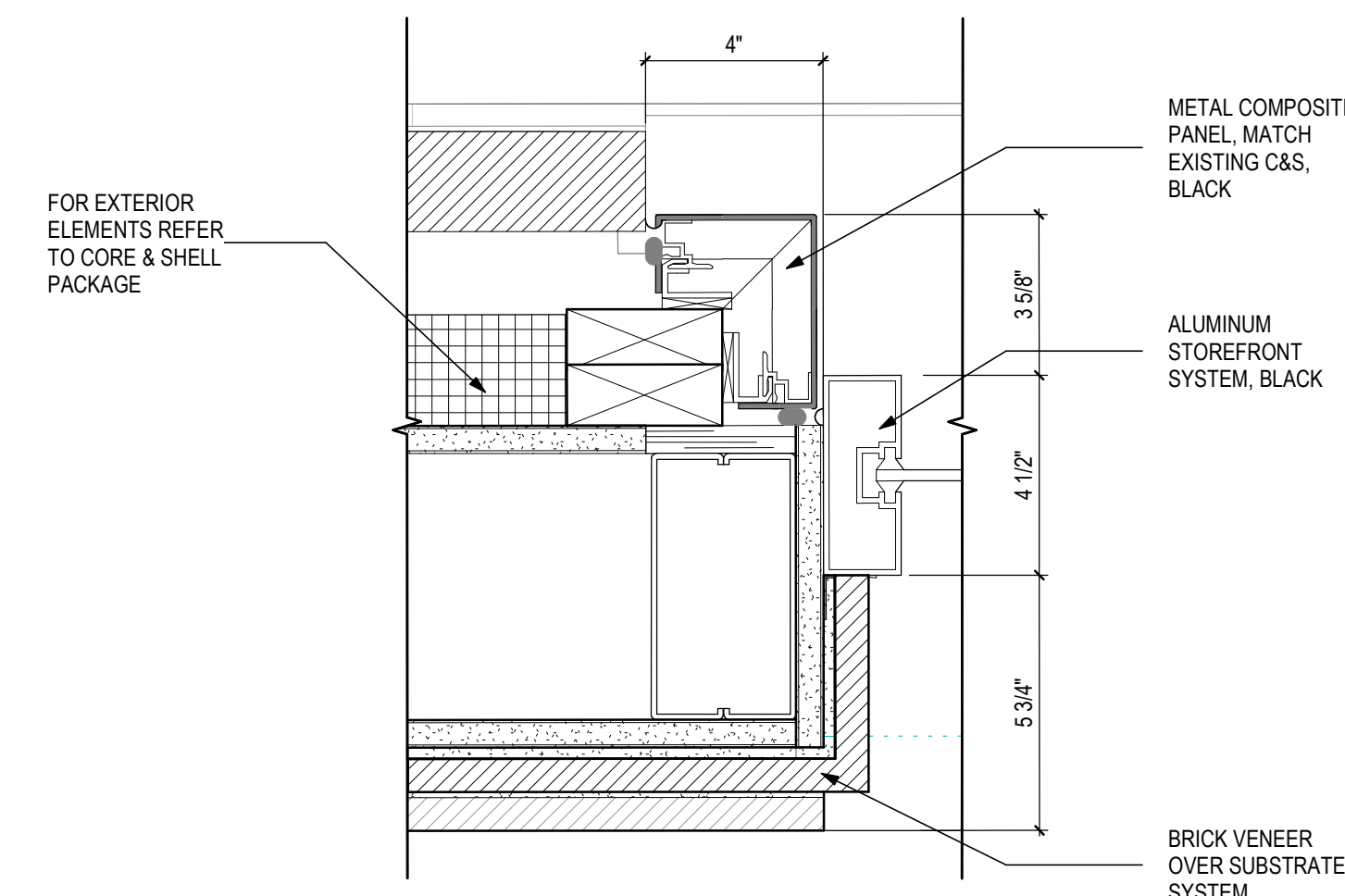
H1 WIDE STILE ALUM DOOR



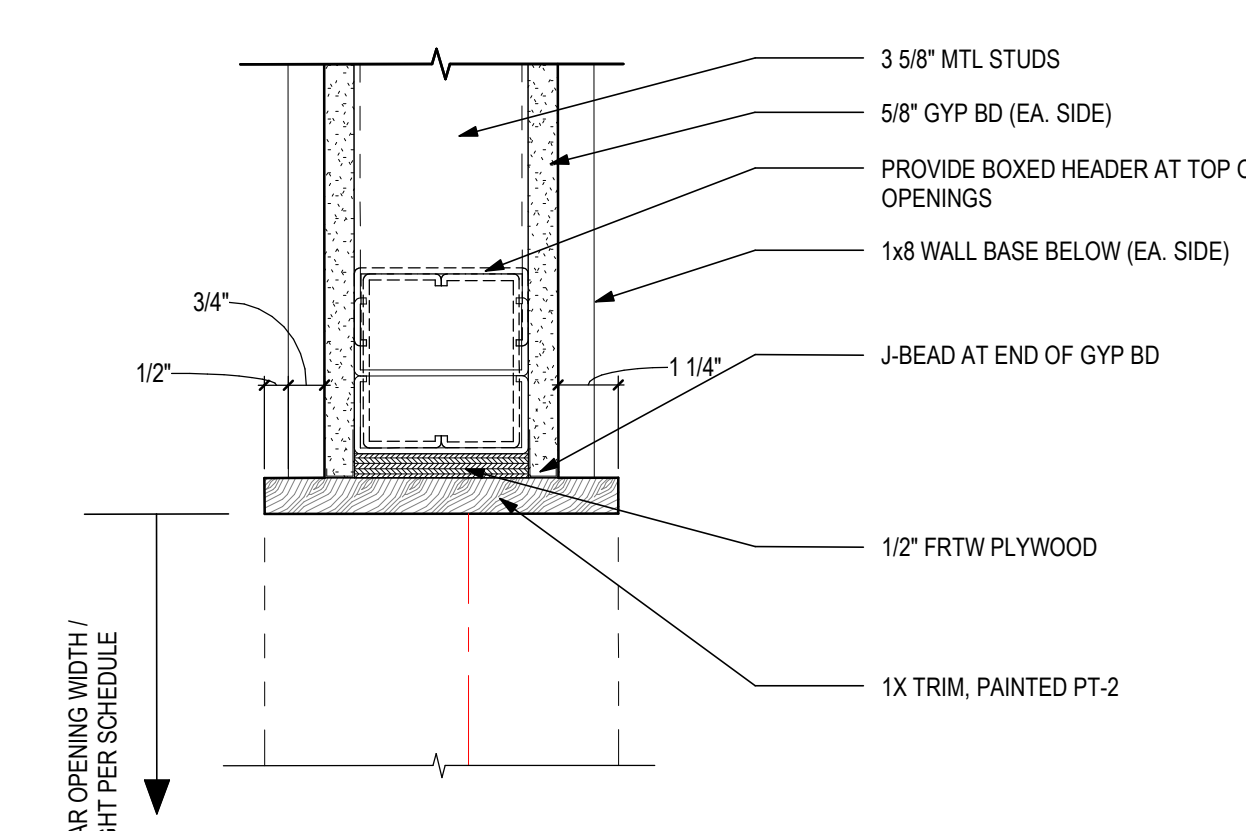
G1 MEDIUM STILE ALUM DOOR



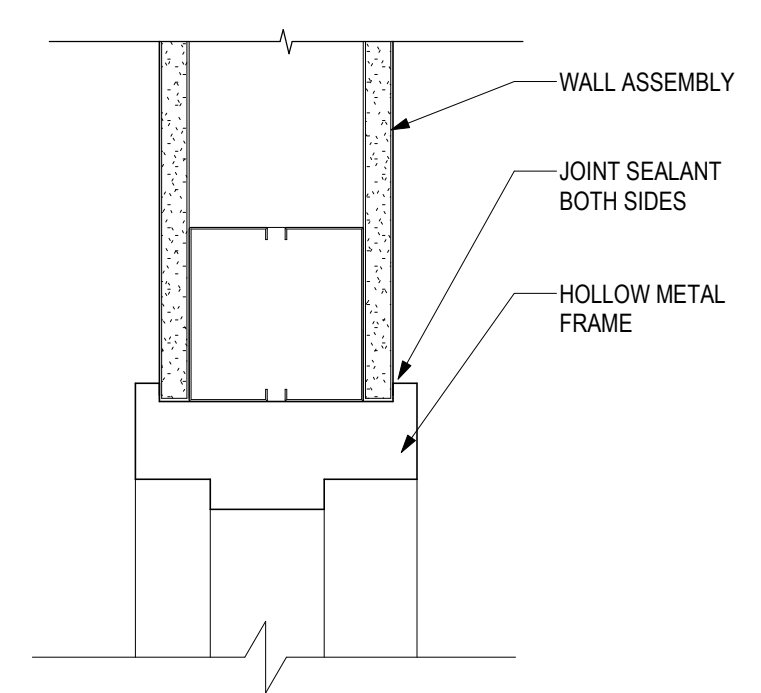
A



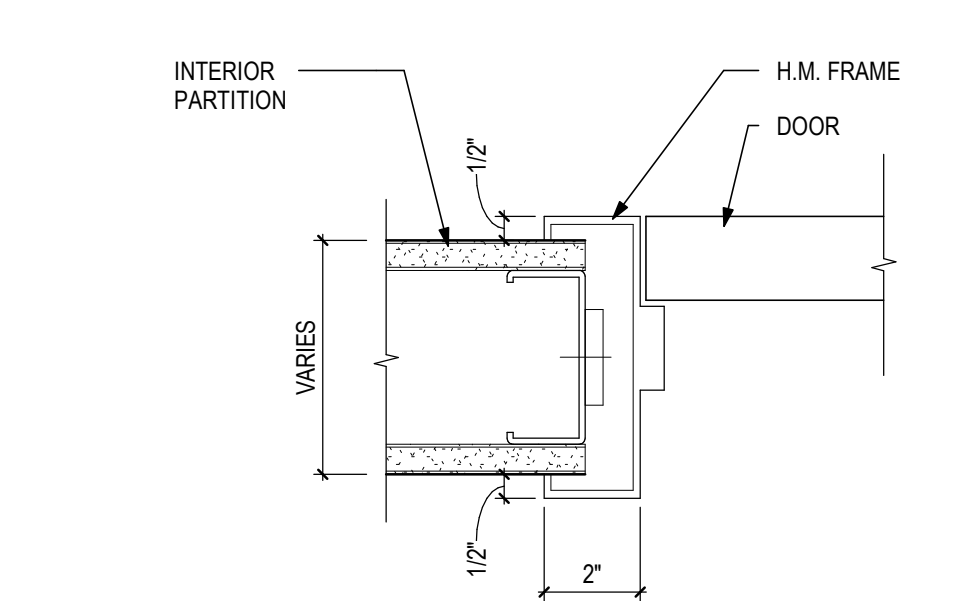
4 typical brick jamb detail
A10.01 3" = 1'-0"



3 typical opening jamb + head detail
A10.01 3" = 1'-0"



2 interior hollow metal head
A10.01 3" = 1'-0"



1 interior hollow metal jamb
A10.01 3" = 1'-0"

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OPENING SCHEDULES & DETAILS

SHEET NUMBER:

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 - A. HINGES: HAGER, BOMMER
 - B. LOCKSETS: CORBIN RUSSWIN
 - C. EXIT DEVICES: CORBIN RUSSWIN
 - D. CLOSERS: CORBIN RUSSWIN, DORMA
 - E. TRIM/AUX: HAGER, BURNS
 - F. WEATHERSTRIPPING: NGP, HAGER
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 - A. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 lbs FOR EXTERIOR DOORS AND 5 lbs FOR INTERIOR DOORS.
 - B. FROM AN OPEN POSITION OF 70° DOOR SHALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- NO THUMB TURN LOCKS ARE TO BE USED ON EMERGENCY EGRESS DOORS.
- ALL DOORS TO HAVE LEVER OR PUSH/PULL HARDWARE IN COMPLIANCE WITH ICC/ANSI 117.1-2009 AND ADA.
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION OF ANY STOREFRONT.
- ALL GLAZING TO BE TEMPERED OR IMPACT RESISTANT WHERE REQUIRED BY CODE.
- ALL HOLLOW METAL FRAMES SHOULD HAVE WELDED STUD ANCHORS FOR WOOD CONSTRUCTION.
- ALL DOOR HARDWARE SHOULD BE INSTALLED IN ACCORDANCE WITH ICC/ANSI A117.1 AND ADAAG STANDARDS.

DOOR HARDWARE NOTES

- ALL CORES TO BE SMALL FORMAT INTERCHANGEABLE CORES BY LOCKNET.
- ALL HARDWARE MUST MEET ADA & LIFE SAFETY CODE OF THE LOCAL MUNICIPALITY
- ALL METAL FRAMES TO RECEIVE (3) RUBBER MUTES
- EXISTING ENTRANCE DOOR SHALL BE PERMITTED TO BE EQUIPPED WITH A KEY-OPERATED LOCKING DEVICE ON THE EGRESS SIDE PROVIDED THAT:
 - A. THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED AND.
 - B. A READILY VISIBLE, DURABLE SIGN IS POSTED ON THE EGRESS SIDE OF THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS 1-INCH HIGH ON A CONTRASTING BACKGROUND. THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOCABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE.
- WHERE APPLICABLE, PROVIDE DOOR CLOSER ON ADJACENT FRAME, ANCHOR CLOSER ARM TO DOOR, TYPICAL U.N.O.

ABBREVIATIONS

MATERIAL/ FINISH	AL	ALS	ALUMINUM STOREFRONT
	HM		HOLLOW METAL
	IM		INSULATED METAL
	PF		PREFINISHED
	AN		ANODIZED (COLOR PER SCHED)
	SC		SOLID CORE WOOD
	PT		PAINT
	ST		STAIN
	PCS		PER COLOR SCHEME

*OTHER DESIGNATIONS REFER TO MATERIAL AND FINISH SCHEDULES

GLASS	T	TEMPERED SAFETY GLAZING
	IGU	INSULATED GLAZING UNIT, 1"
MISC	MFR	MANUFACTURER

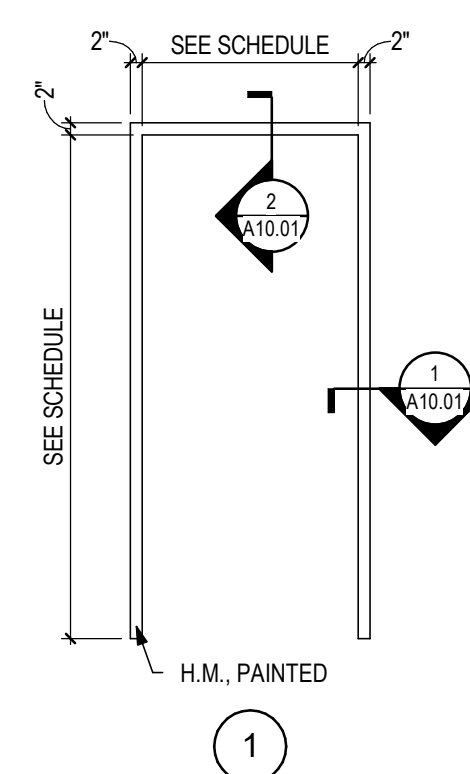
DOOR SCHEDULE

DOOR NO.	DOOR / OPENING SIZE		DOOR TYPE	DOOR MATL FINISH	FRAME TYPE	FRAME MATL FINISH	LABEL (MINS)	FRAME DETAIL	HWDR SET	REMARKS
	WIDTH	HEIGHT								
100	3'-0"	9'-0"	H1	ALUM. / BLACK ANOD	ALS	ALUM. / BLACK ANOD	---	---	#1	WEST ENTRY
101	17'-0"	11'-0"	---	---	---	---	---	---	#2	---
102	10'-4"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
103	3'-0"	9'-0"	G1	ALUM. / BLACK ANOD	ALS	ALUM. / BLACK ANOD	---	---	#3	---
104	3'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
104A	3'-0"	8'-0"	A	S.C. WOOD STAINED	1	H.M. PAINTED	---	---	#7	---
104B	3'-0"	8'-0"	A	S.C. WOOD STAINED	1	H.M. PAINTED	---	---	#7	---
106	6'-0"	9'-0"	H2	ALUM. / BLACK ANOD	ALS	ALUM. / BLACK ANOD	---	---	#6	EAST ENTRY
107	3'-0 5/8"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#4	---
108	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
109	14'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
110	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
111	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
112	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#3	---
113	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#5	---
114	3'-0"	9'-0"	G1	ANOD ALUM	ALS	ALUM. / BLACK ANOD	---	---	#5	---
115	3'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
116	3'-0"	9'-0"	---	---	---	---	---	3 / A10.01	---	CASED OPENING
117	3'-0"	7'-0"	A	S.C. WOOD STAINED	1	H.M. PAINTED	---	---	#8	---

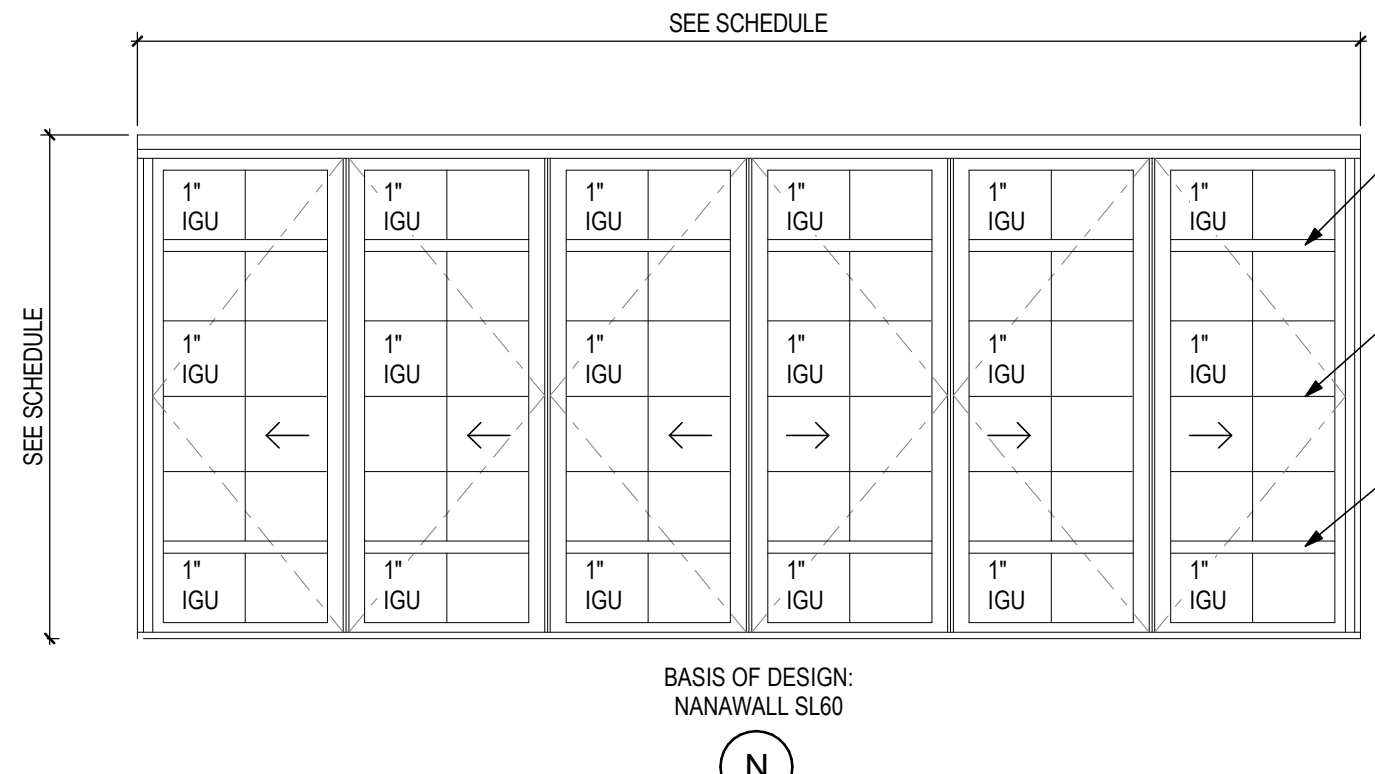
DOOR AND FRAME NOTES:

- UNDERCUT DOOR 1".

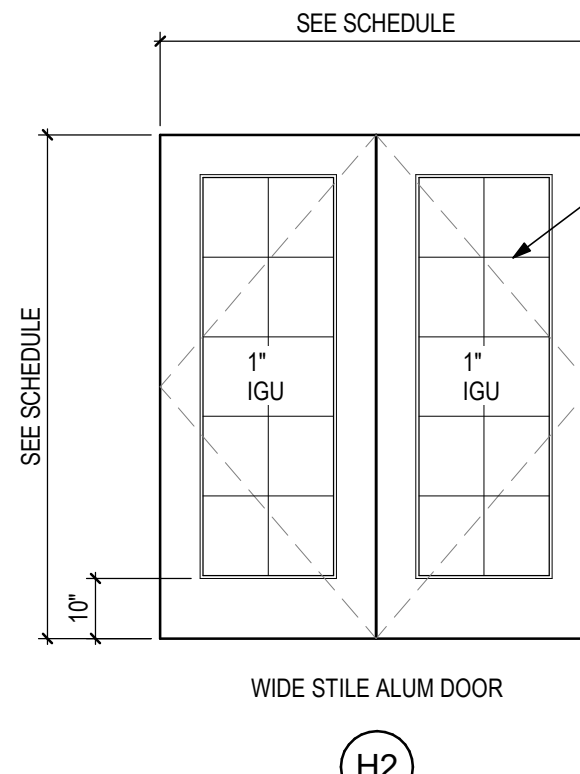
HARDWARE NOTES:



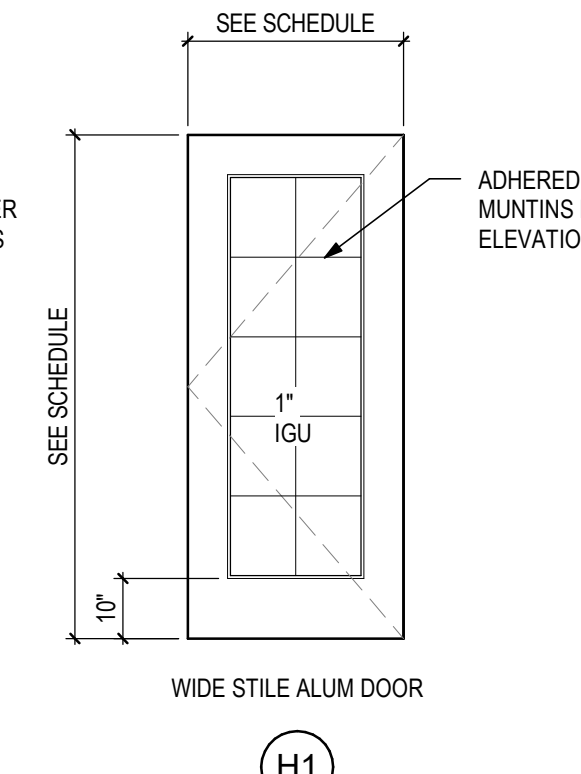
1 interior frame types
3/8" = 1'-0"



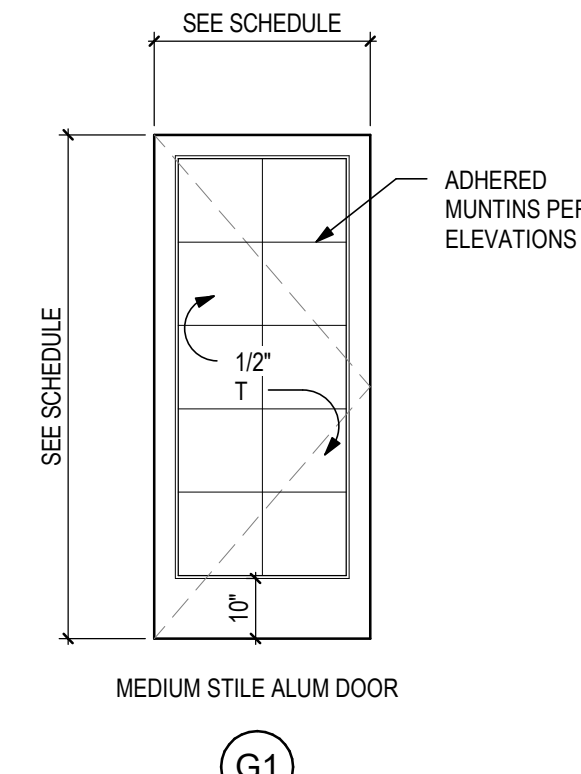
N door types
3/8" = 1'-0"



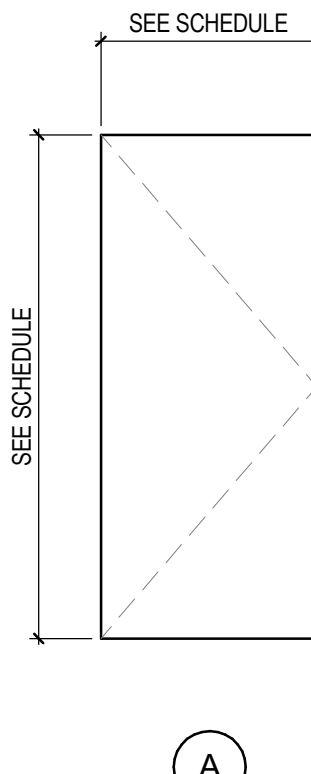
H2



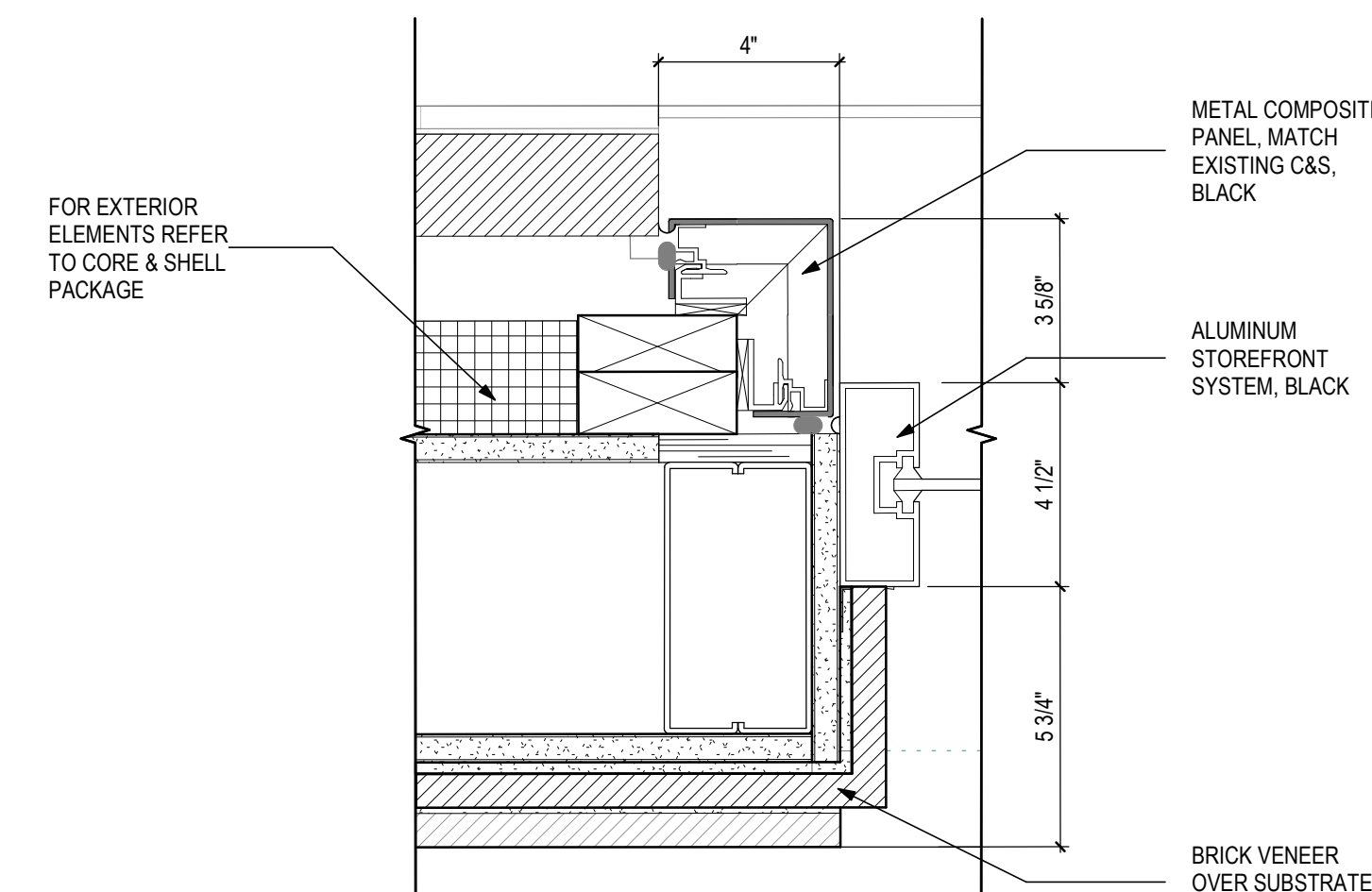
H1



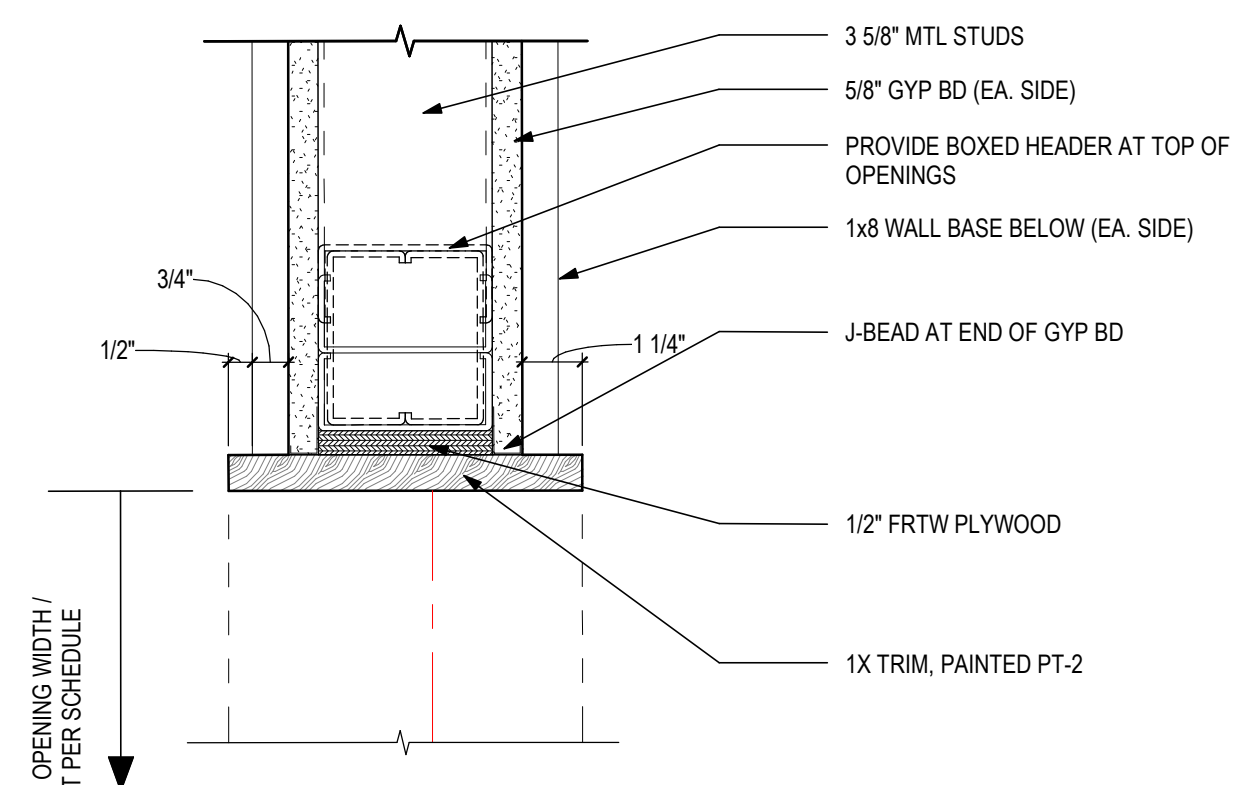
G1



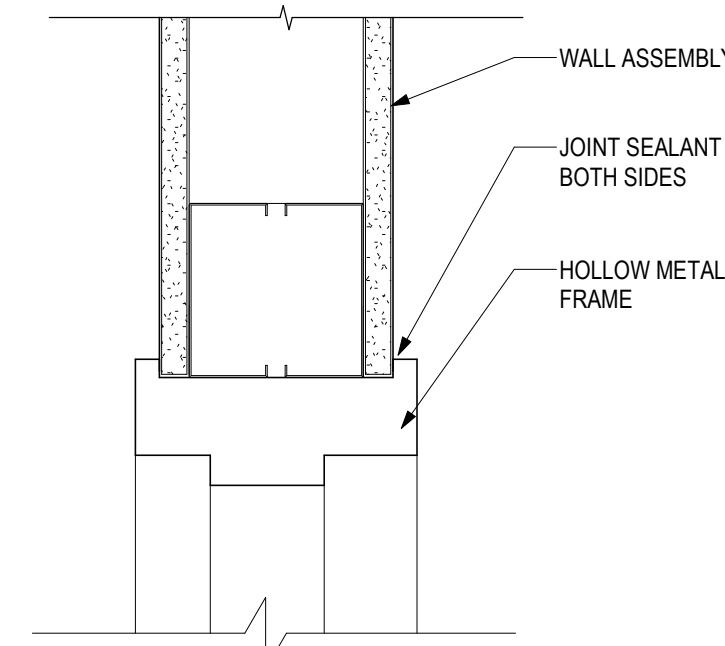
A



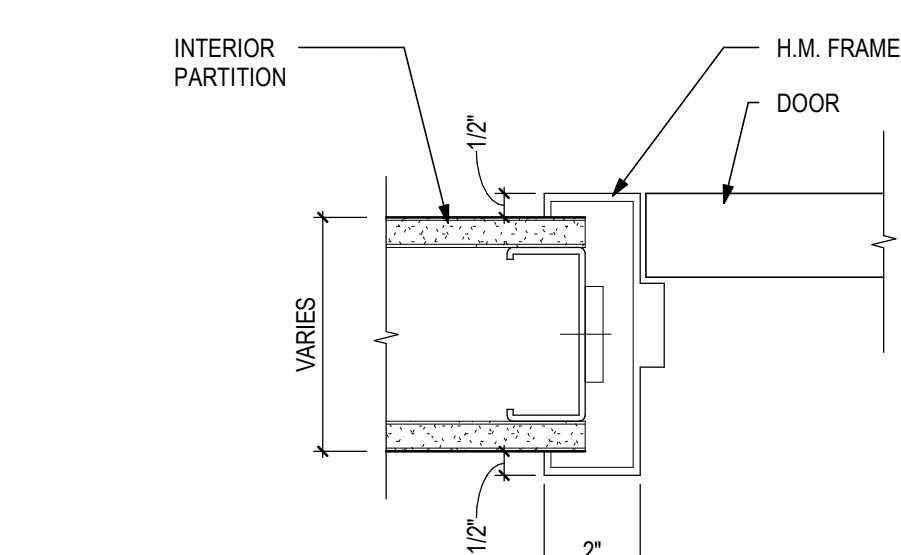
4 typical brick jamb detail
A10.01 3\"/>



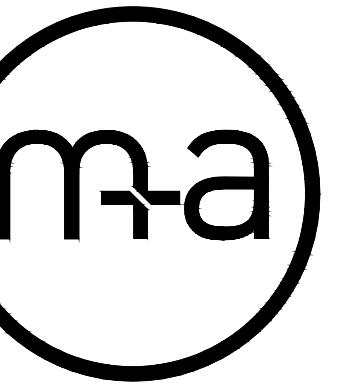
3 typical opening jamb + head detail
A10.01 3\"/>



2 interior hollow metal head
A10.01 3\"/>



1 interior hollow metal jamb
A10.01 3\"/>



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STATUS:



REVISION:

PROJECT NUMBER:

2019.326

DRAWN BY:

BRB

DATE:

30 JAN 2020

SHEET NAME:

ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:

A11.03



- 5) "ZOOMA-FLEX" WITH 2-932' FLANGES.
- INTERIOR JOINT TREATMENT MATERIALS: COMPLY WITH ASTM C 475.
- JOINT COMPOUND PERFORMANCE REQUIREMENTS: FABRICATE AND INSTALL METAL FRAMING SYSTEMS AS INDICATED BUT NOT LESS THAN THAT REQUIRED TO COMPLY WITH ASTM C754 UNDER THE FOLLOWING CONDITIONS:
 - INTERIOR WALL LATERAL LOAD: 5 PSF
 - STANDARD SYSTEMS: DESIGNATION OF L240 OF PARTITION HEIGHT.
 - TALL WALLS: PARTITIONS EXCEEDING 30 FEET IN HEIGHT ARE CONSIDERED TALL. PROVIDE CLOSER STUD SPACING OR HEAVIER GAUGE MATERIALS IN COMPLIANCE WITH MANUFACTURERS' SPAN TABLES FOR GIVEN STUD DEPTH AND HEIGHT AT EACH LOCATION.
 - TOP OF WALL BRACING: FABRICATE AND INSTALL BRACING AT TOP OF WALLS THAT DO NOT EXTEND TO DECK OR STRUCTURE ABOVE. BRACING MEMBERS TO BE ADEQUATE IN SIZE AND SPACING TO PROPERLY BRACE WALL UNDER NOTED LOADING CONDITIONS.
- NON-LOAD BEARING METAL FRAMING COMPONENTS BY CLARKDIEHRICH BUILDING SYSTEMS FORM THE BASIS OF DESIGN. PRODUCTS WITH COMPARABLE MATERIALS, THICKNESSES, PERFORMANCE CHARACTERISTICS AND ACCESSORIES BY LISTED MANUFACTURERS ARE ALSO ACCEPTABLE.
 - WARRANTY:
 - THE STEEL NETWORK.
 - PARTITION AND BRACING:
 - CLARKDIEHRICH PROSTLY DRYWALL STUDS.
 - FRAMING MEMBERS, GENERAL: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED.
 - MATERIALS: COLD FORMED GALVANIZED, COMPLY WITH ASTM C 564. MINIMUM BASE METAL THICKNESS:
 - DESIGNATION: 20 GAUGE; 0.0195" MINIMUM THICKNESS (PROSTLY 20 - 65 KSI).
 - DESIGNATION: 25 GAUGE; 0.0195" MINIMUM THICKNESS (PROSTLY 25 - 50 KSI).
 - DESIGNATION: 20 GAUGE; 0.0207" SHEET THICKNESS.
 - DESIGNATION: 22 GAUGE; 0.0207" SHEET THICKNESS.
 - DESIGNATION: 25 GAUGE; 0.0177" SHEET THICKNESS.
 - PROTECTIVE COATING:
 - INTERIOR APPLICATIONS: ASTM A 653A 653M G40 (Z120), COATING WITH EQUIVALENT CORROSION RESISTANCE OF ASTM A 653A 653M, G40 WITH A ZINC-BASED COATING.
 - MATERIALS: COMPLY WITH MANUFACTURERS' SPAN TABLES FOR GIVEN MEMBER DEPTHS, HEIGHTS AND SPANS FOR FRAMING CONDITIONS AT EACH LOCATION.
 - STEEL STUDS AND RUNNERS: METAL COMPLY WITH ASTM C 645; 25 GAUGE (MINIMUM) IN DEPTHS INDICATED.
 - FLANGES: FLANGE LENGTHS 1 1/2" HIGH UNLESS NOTED.
 - DEEP-LEG DEFLECTION TRACK (NON-RATED WALLS): "MAXTRAK SLOTTED TRACK" BY CLARKDIEHRICH BUILDING SYSTEMS. GALVANIZED STEEL SHEET EQUAL WITH 2 1/2" DEEP SLOTTED FLANGE AND GAUGE REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION. COMPARABLE PRODUCTS BY LISTED MANUFACTURERS ARE ALSO ACCEPTABLE.
 - BRANDS INNOVATIONS "SLIP-TRK" SLOTTED TRACK.
 - METAL-LITE, INC. "FLEX" SLOTTED TRACK.
 - THE STEEL NETWORK "VERTICUP SLP" OR "VERTITRACK VTD" SERIES.
 - FIRSTOP TRACK (RATED WALLS): TOP RUNNER MANUFACTURED TO ALLOW PARTITION HEADS TO EXPAND AND CONTRACT WITH MOVEMENT OF THE STRUCTURE WHILE MAINTAINING CLIP ASSEMBLY INDICATED IN THICKNESS IN THICKNESS, BUT NOT LESS THAN INDICATED FOR STUDS AND IN WIDTH TO ACCOMMODATE DEPTH OF STUDS. PRODUCTS BY LISTED MANUFACTURERS ARE ACCEPTABLE.
 - SAME AS "DEEP-LEG DEFLECTION TRACK" (CLIPS (NON-RATED WALLS) SPECIFIED ABOVE IF PROPERLY TESTED AND CERTIFIED FOR THE REQUIRED FIRE RATINGS).
 - FIRE TRAK CORP. "FIRE TRAK" ATTACHED TO STUDS WITH "FIRE TRAK SLP CLIP".
 - CLARKDIEHRICH BUILDING SYSTEMS (BLAZEFRAME OR MAXTRAK).
 - FURRING CHANNELS: COLD FORMED GALVANIZED STEEL SHEET, HAT SHAPE, 25 GAUGE MINIMUM.
 - DEPTH: 7/8" AND 1-1/2".
 - RESILIENT FURRING CHANNELS: COLD FORMED GALVANIZED STEEL SHEET MEMBERS DESIGNED TO REDUCE SOUND TRANSMISSION, 25 GAUGE MINIMUM.
 - ASYMMETRICAL OR HAT SHAPE.
 - DEPTH: 1/2".
 - CLARKDIEHRICH "RC DELUXE" RESILIENT CHANNEL.
 - FURRING CHANNELS: 25 GAUGE MINIMUM GALVANIZED STEEL WITH SLOTTED OR NON-SLOTTED WEB, FACE FLANGE OF 1-1/4", WALL ATTACHMENT FLANGES OF 3/4" AND DEPTH OF 3/4". PROVIDE INSULATION THROUGHOUT CHANNELS INDICATED.
 - LATERAL WALL BRIDGING: "J" CHANNEL, COLD FORMED GALVANIZED STEEL SHEET, 1/8" GAUGE MINIMUM. DEPTHS: 3/4", 1-1/2", 2", OR 2 1/2". INSTALLATION CONDITIONS:
 - CLIP ANGLES: "CLIP ANGLE" WITH 90° ANGLE FABRICATED FROM 14 AND 16 GAUGE GALVANIZED STEEL. PROVIDE SIZES AND GAUGES REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION.
 - FLAT STRIPS AND BACKING PLATES: "BACKING STRIP" 16 GAUGE MINIMUM GALVANIZED STEEL SHEET FOR BLOCKING AND BRACING IN LENGTHS AND WIDTHS REQUIRED FOR FRAMING CONDITIONS AT EACH LOCATION.
 - BACKING PLATE: 4" AND 6" WIDE BY LENGTHS TO SUIT SIZE OF ITEMS TO BE ATTACHED AND BRACING REQUIRED.
 - CONTINUOUS ANGLES: 40° ANGLES FABRICATED FROM 26 THROUGH 14 GAUGE GALVANIZED STEEL. PROVIDE SIZES, LENGTHS AND GAUGES REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION.
 - METAL FRAMING COMPONENTS:
 - STEEL: SELF-DRILLING, SELF-TAPPING SCREWS COMPLYING WITH ASTM C 1002, GALVANIZED COATING, PLATED OR OIL-PHOSPHATE COATED COMPLYING WITH ASTM B 633 FOR CORROSION RESISTANCE.
 - ANCHORS: SELF-DRILLING OR EXPANSION TYPE, FABRICATED FROM CORROSION-RESISTANT MATERIALS WITH HOLES OR LOOPS FOR ATTACHING HANGER BRACING, FASTENING, WITHOUT FAILURE, A LOAD EQUAL TO FIVE (5) TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E488 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - POWDER-ACTIVATED FASTENERS: SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CLIPS OR OTHER DEVICES FOR ATTACHING HANGERS, AND CAPABLE OF SUSTAINING, WITHOUT FAILURE, A LOAD EQUAL TO TEN (10) TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E 1190 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - TOUCH-UP PAINT "ZINC-BASED 90 PERCENT METALLIC ZINC BY ZINC WORLDWIDE.
 - CEILING AND SOFFIT FRAMING SYSTEMS:
 - SPECIFICALLY REQUIRED FOR ADJACENT CONSTRUCTION OR NOTED OTHERWISE. SELECTION OF FRAMING SYSTEM AT CONTRACTOR'S OPTION. PROVIDE MATERIAL, SPACING, DEPTHS AND GAUGES REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION IN COMPLIANCE WITH MANUFACTURERS' SPAN AND LOAD REQUIREMENTS.
 - SUSPENDED CEILING AND SOFFIT FRAMING SYSTEMS:
 - CARRYING CHANNELS: 16 GAUGE COLD-ROLLED, COMMERCIAL STEEL SHEET WITH MINIMUM 1/8" WIDE FLANGE.
 - PROVIDE BLACK ASPHALT FIBER REINFORCED MATERIALS AT INTERIOR LOCATIONS.
 - PROVIDE GALVANIZED MATERIALS AT EXTERIOR LOCATIONS.
 - FURRING CHANNELS: 25 GAUGE (MINIMUM) ROLL-FORMED GALVANIZED STEEL, HAT-SHAPED SECTIONS.
 - METAL FURRING CHANNEL: METAL FURRING CHANNEL CLIPS, FORMED GALVANIZED WIRE, USED TO ATTACH METAL FURRING CHANNELS TO CARRYING CHANNELS.
 - HANGER WIRE: ASTM A 641, CLASS 1 ZINC COATED, SOFT TEMPER, 8 GAUGE (MINIMUM) GALVANIZED STEEL FOR HANGING CARRYING CHANNELS.
 - TIE WIRE: ASTM A 641, CLASS 1 ZINC COATED, SOFT TEMPER, 18 GAUGE GALVANIZED SOFT ANNEALED STEEL WIRE.
 - GRID SUSPENSION SYSTEMS FOR INTERIOR CEILINGS AND SOFFITS:
 - PRE-ENGINEERED DRYWALL SUSPENSION SYSTEM BY USG INTERIORS, INC. FORMS THE BASIS OF DESIGN. PRODUCTS WITH COMPARABLE MATERIALS AND PERFORMANCE CRITERIA BY ARMISTRONG WORLD INDUSTRIES, INC. AND SYSTEM: DIRECT-HUNG SYSTEM COMPOSED OF MAIN BEAMS AND CROSS-FURRING MEMBERS THAT INTERLOCK. INCLUDES ALL ACCESSORIES.
 - COMPONENTS:
 - STEEL, COMMERCIAL QUALITY, COLD ROLLED AND HOT DIPPED GALVANIZED.
 - MAIN TEES: CROSS IN QUANTITY, PAID AND MILL MOLDS; FURRING MEMBERS WITH KNURLED FACES. PROVIDE CURVED COMPONENTS WHERE INDICATED BY HORIZONTALS.
 - FURRING CHANNELS: "DGL-4", 7/8" HIGH X 4-8" LONG WITH 1 1/2" FACE.
 - ACCESSORIES:
 - TRANSITION, SPICE AND WALL ATTACHMENT CLIPS.
 - TRIM FOR LIGHT FIXTURES, ACCESS DOORS, AND HVAC CEILING GRILLES.
 - HANGER WIRE: 1/8" GALVANIZED STEEL WIRE.
 - TIE WIRE: 18 GAUGE GALVANIZED.
 - METAL FRAMING COMPONENTS:
 - METAL FRAMING COMPONENTS AND COMPONENTS REQUIRED FOR COMPLETE SYSTEM.
 - METAL FRAMING CHANNELS: GALVANIZED METAL STUD FRAMING COMPONENTS OF PROPER DEPTH AND GAUGE, COMPLY WITH REQUIREMENTS LISTED IN THIS SECTION AND/OR DIVISION 05 "COLD FORMED METAL FRAMING".
 - ANCHORS: FABRICATED FROM CORROSION-RESISTANT MATERIALS WITH HOLES OR LOOPS FOR ATTACHING HANGER WIRES AND CAPABLE OF SUSTAINING, WITHOUT FAILURE, A LOAD EQUAL TO 5 TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E 488 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - TYPE: POST-INSTALLED, CHEMICAL OR EXPANSION ANCHORS.
 - POWDER-ACTIVATED FASTENERS: SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CLIPS OR OTHER DEVICES FOR ATTACHING HANGERS, AND CAPABLE OF SUSTAINING, WITHOUT FAILURE, A LOAD EQUAL TO 10 TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E 1190 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - ISOLATION STRIP AT EXTERIOR WALLS: PROVIDE ONE OF THE FOLLOWING:
 - ASPHALT SATURATED ORGANIC SHEET OR POLYETHYLENE SHEET WITH 1/4" (1/2" MINIMUM) FELT, NON-FERROUS.
 - FOAM GASKET, ADHESIVE-BACKED, CLOSED-CELL VINYL FOAM STRIPS THAT ALLOW FIBER PENETRATION WITHOUT FOAM DISPLACEMENT, 1/8" THICK, IN WIDTH TO SUIT STUD, STEEL STUD.

- SECTION 09200 - GYPSUM BOARD
 - THIS SECTION INCLUDES THE FOLLOWING:
 - INTERIOR GYPSUM BOARD.
 - ACCESSORIES AND FINISHING MATERIALS.
 - ACUSTIC WALL INSULATION PROVIDED UNDER DIVISION 05 SECTION "THERMAL INSULATION".
 - NON-LOAD BEARING METAL FRAMING COMPONENTS BY CLARKDIEHRICH BUILDING SYSTEMS FORM THE BASIS OF DESIGN. PRODUCTS WITH COMPARABLE MATERIALS, THICKNESSES, PERFORMANCE CHARACTERISTICS AND ACCESSORIES BY LISTED MANUFACTURERS ARE ALSO ACCEPTABLE.
 - WARRANTY:
 - THE STEEL NETWORK.
 - PARTITION AND BRACING:
 - CLARKDIEHRICH PROSTLY DRYWALL STUDS.
 - FRAMING MEMBERS, GENERAL: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED.
 - MATERIALS: COLD FORMED GALVANIZED, COMPLY WITH ASTM C 564. MINIMUM BASE METAL THICKNESS:
 - DESIGNATION: 20 GAUGE; 0.0195" MINIMUM THICKNESS (PROSTLY 20 - 65 KSI).
 - DESIGNATION: 25 GAUGE; 0.0195" MINIMUM THICKNESS (PROSTLY 25 - 50 KSI).
 - DESIGNATION: 20 GAUGE; 0.0207" SHEET THICKNESS.
 - DESIGNATION: 22 GAUGE; 0.0207" SHEET THICKNESS.
 - DESIGNATION: 25 GAUGE; 0.0177" SHEET THICKNESS.
 - PROTECTIVE COATING:
 - INTERIOR APPLICATIONS: ASTM A 653A 653M G40 (Z120), COATING WITH EQUIVALENT CORROSION RESISTANCE OF ASTM A 653A 653M, G40 WITH A ZINC-BASED COATING.
 - MATERIALS: COMPLY WITH MANUFACTURERS' SPAN TABLES FOR GIVEN MEMBER DEPTHS, HEIGHTS AND SPANS FOR FRAMING CONDITIONS AT EACH LOCATION.
 - STEEL STUDS AND RUNNERS: METAL COMPLY WITH ASTM C 645; 25 GAUGE (MINIMUM) IN DEPTHS INDICATED.
 - FLANGES: FLANGE LENGTHS 1 1/2" HIGH UNLESS NOTED.
 - DEEP-LEG DEFLECTION TRACK (NON-RATED WALLS): "MAXTRAK SLOTTED TRACK" BY CLARKDIEHRICH BUILDING SYSTEMS. GALVANIZED STEEL SHEET EQUAL WITH 2 1/2" DEEP SLOTTED FLANGE AND GAUGE REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION. COMPARABLE PRODUCTS BY LISTED MANUFACTURERS ARE ALSO ACCEPTABLE.
 - BRANDS INNOVATIONS "SLIP-TRK" SLOTTED TRACK.
 - METAL-LITE, INC. "FLEX" SLOTTED TRACK.
 - THE STEEL NETWORK "VERTICUP SLP" OR "VERTITRACK VTD" SERIES.
 - FIRSTOP TRACK (RATED WALLS): TOP RUNNER MANUFACTURED TO ALLOW PARTITION HEADS TO EXPAND AND CONTRACT WITH MOVEMENT OF THE STRUCTURE WHILE MAINTAINING CLIP ASSEMBLY INDICATED IN THICKNESS IN THICKNESS, BUT NOT LESS THAN INDICATED FOR STUDS AND IN WIDTH TO ACCOMMODATE DEPTH OF STUDS. PRODUCTS BY LISTED MANUFACTURERS ARE ACCEPTABLE.
 - SAME AS "DEEP-LEG DEFLECTION TRACK" (CLIPS (NON-RATED WALLS) SPECIFIED ABOVE IF PROPERLY TESTED AND CERTIFIED FOR THE REQUIRED FIRE RATINGS).
 - FIRE TRAK CORP. "FIRE TRAK" ATTACHED TO STUDS WITH "FIRE TRAK SLP CLIP".
 - CLARKDIEHRICH BUILDING SYSTEMS (BLAZEFRAME OR MAXTRAK).
 - FURRING CHANNELS: COLD FORMED GALVANIZED STEEL SHEET, HAT SHAPE, 25 GAUGE MINIMUM.
 - DEPTH: 7/8" AND 1-1/2".
 - RESILIENT FURRING CHANNELS: COLD FORMED GALVANIZED STEEL SHEET MEMBERS DESIGNED TO REDUCE SOUND TRANSMISSION, 25 GAUGE MINIMUM.
 - ASYMMETRICAL OR HAT SHAPE.
 - DEPTH: 1/2".
 - CLARKDIEHRICH "RC DELUXE" RESILIENT CHANNEL.
 - FURRING CHANNELS: 25 GAUGE MINIMUM GALVANIZED STEEL WITH SLOTTED OR NON-SLOTTED WEB, FACE FLANGE OF 1-1/4", WALL ATTACHMENT FLANGES OF 3/4" AND DEPTH OF 3/4". PROVIDE INSULATION THROUGHOUT CHANNELS INDICATED.
 - LATERAL WALL BRIDGING: "J" CHANNEL, COLD FORMED GALVANIZED STEEL SHEET, 1/8" GAUGE MINIMUM. DEPTHS: 3/4", 1-1/2", 2", OR 2 1/2". INSTALLATION CONDITIONS:
 - CLIP ANGLES: "CLIP ANGLE" WITH 90° ANGLE FABRICATED FROM 14 AND 16 GAUGE GALVANIZED STEEL. PROVIDE SIZES AND GAUGES REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION.
 - FLAT STRIPS AND BACKING PLATES: "BACKING STRIP" 16 GAUGE MINIMUM GALVANIZED STEEL SHEET FOR BLOCKING AND BRACING IN LENGTHS AND WIDTHS REQUIRED FOR FRAMING CONDITIONS AT EACH LOCATION.
 - BACKING PLATE: 4" AND 6" WIDE BY LENGTHS TO SUIT SIZE OF ITEMS TO BE ATTACHED AND BRACING REQUIRED.
 - CONTINUOUS ANGLES: 40° ANGLES FABRICATED FROM 26 THROUGH 14 GAUGE GALVANIZED STEEL. PROVIDE SIZES, LENGTHS AND GAUGES REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION.
 - METAL FRAMING COMPONENTS:
 - STEEL: SELF-DRILLING, SELF-TAPPING SCREWS COMPLYING WITH ASTM C 1002, GALVANIZED COATING, PLATED OR OIL-PHOSPHATE COATED COMPLYING WITH ASTM B 633 FOR CORROSION RESISTANCE.
 - ANCHORS: SELF-DRILLING OR EXPANSION TYPE, FABRICATED FROM CORROSION-RESISTANT MATERIALS WITH HOLES OR LOOPS FOR ATTACHING HANGER BRACING, FASTENING, WITHOUT FAILURE, A LOAD EQUAL TO FIVE (5) TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E488 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - POWDER-ACTIVATED FASTENERS: SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CLIPS OR OTHER DEVICES FOR ATTACHING HANGERS, AND CAPABLE OF SUSTAINING, WITHOUT FAILURE, A LOAD EQUAL TO TEN (10) TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E 1190 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - TOUCH-UP PAINT "ZINC-BASED 90 PERCENT METALLIC ZINC BY ZINC WORLDWIDE.
 - CEILING AND SOFFIT FRAMING SYSTEMS:
 - SPECIFICALLY REQUIRED FOR ADJACENT CONSTRUCTION OR NOTED OTHERWISE. SELECTION OF FRAMING SYSTEM AT CONTRACTOR'S OPTION. PROVIDE MATERIAL, SPACING, DEPTHS AND GAUGES REQUIRED FOR GIVEN FRAMING CONDITIONS AT EACH LOCATION IN COMPLIANCE WITH MANUFACTURERS' SPAN AND LOAD REQUIREMENTS.
 - SUSPENDED CEILING AND SOFFIT FRAMING SYSTEMS:
 - CARRYING CHANNELS: 16 GAUGE COLD-ROLLED, COMMERCIAL STEEL SHEET WITH MINIMUM 1/8" WIDE FLANGE.
 - PROVIDE BLACK ASPHALT FIBER REINFORCED MATERIALS AT INTERIOR LOCATIONS.
 - PROVIDE GALVANIZED MATERIALS AT EXTERIOR LOCATIONS.
 - FURRING CHANNELS: 25 GAUGE (MINIMUM) ROLL-FORMED GALVANIZED STEEL, HAT-SHAPED SECTIONS.
 - METAL FURRING CHANNEL: METAL FURRING CHANNEL CLIPS, FORMED GALVANIZED WIRE, USED TO ATTACH METAL FURRING CHANNELS TO CARRYING CHANNELS.
 - HANGER WIRE: ASTM A 641, CLASS 1 ZINC COATED, SOFT TEMPER, 8 GAUGE (MINIMUM) GALVANIZED STEEL FOR HANGING CARRYING CHANNELS.
 - TIE WIRE: ASTM A 641, CLASS 1 ZINC COATED, SOFT TEMPER, 18 GAUGE GALVANIZED SOFT ANNEALED STEEL WIRE.
 - GRID SUSPENSION SYSTEMS FOR INTERIOR CEILINGS AND SOFFITS:
 - PRE-ENGINEERED DRYWALL SUSPENSION SYSTEM BY USG INTERIORS, INC. FORMS THE BASIS OF DESIGN. PRODUCTS WITH COMPARABLE MATERIALS AND PERFORMANCE CRITERIA BY ARMISTRONG WORLD INDUSTRIES, INC. AND SYSTEM: DIRECT-HUNG SYSTEM COMPOSED OF MAIN BEAMS AND CROSS-FURRING MEMBERS THAT INTERLOCK. INCLUDES ALL ACCESSORIES.
 - COMPONENTS:
 - STEEL, COMMERCIAL QUALITY, COLD ROLLED AND HOT DIPPED GALVANIZED.
 - MAIN TEES: CROSS IN QUANTITY, PAID AND MILL MOLDS; FURRING MEMBERS WITH KNURLED FACES. PROVIDE CURVED COMPONENTS WHERE INDICATED BY HORIZONTALS.
 - FURRING CHANNELS: "DGL-4", 7/8" HIGH X 4-8" LONG WITH 1 1/2" FACE.
 - ACCESSORIES:
 - TRANSITION, SPICE AND WALL ATTACHMENT CLIPS.
 - TRIM FOR LIGHT FIXTURES, ACCESS DOORS, AND HVAC CEILING GRILLES.
 - HANGER WIRE: 1/8" GALVANIZED STEEL WIRE.
 - TIE WIRE: 18 GAUGE GALVANIZED.
 - METAL FRAMING COMPONENTS:
 - METAL FRAMING COMPONENTS AND COMPONENTS REQUIRED FOR COMPLETE SYSTEM.
 - METAL FRAMING CHANNELS: GALVANIZED METAL STUD FRAMING COMPONENTS OF PROPER DEPTH AND GAUGE, COMPLY WITH REQUIREMENTS LISTED IN THIS SECTION AND/OR DIVISION 05 "COLD FORMED METAL FRAMING".
 - ANCHORS: FABRICATED FROM CORROSION-RESISTANT MATERIALS WITH HOLES OR LOOPS FOR ATTACHING HANGER WIRES AND CAPABLE OF SUSTAINING, WITHOUT FAILURE, A LOAD EQUAL TO 5 TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E 488 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - TYPE: POST-INSTALLED, CHEMICAL OR EXPANSION ANCHORS.
 - POWDER-ACTIVATED FASTENERS: SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CLIPS OR OTHER DEVICES FOR ATTACHING HANGERS, AND CAPABLE OF SUSTAINING, WITHOUT FAILURE, A LOAD EQUAL TO 10 TIMES THAT IMPOSED BY CONSTRUCTION AS DETERMINED BY TESTING ACCORDING TO ASTM E 1190 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 - ISOLATION STRIP AT EXTERIOR WALLS: PROVIDE ONE OF THE FOLLOWING:
 - ASPHALT SATURATED ORGANIC SHEET OR POLYETHYLENE SHEET WITH 1/4" (1/2" MINIMUM) FELT, NON-FERROUS.
 - FOAM GASKET, ADHESIVE-BACKED, CLOSED-CELL VINYL FOAM STRIPS THAT ALLOW FIBER PENETRATION WITHOUT FOAM DISPLACEMENT, 1/8" THICK, IN WIDTH TO SUIT STUD, STEEL STUD.

- SECTION 09300 - TILING
 - THIS SECTION INCLUDES THE FOLLOWING:
 - TILE TRIM AND ACCESSORIES.
 - CRACK SUPPRESSION MEMBRANE.
 - METAL EDGE STRIPS.
 - TILE SETTING MATERIALS AND ACCESSORIES.
 - QUALITY ASSURANCE:
 - INSTALLATION TILE STANDARD: PROVIDE STANDARD GRADE TILE THAT COMPLIES WITH ANSI A137.1, "SPECIFICATIONS FOR CERAMIC TILE"; FOR ALL CERAMIC TILE. COMPOSITIONS, AND OTHER CHARACTERISTICS INDICATED.
 - INSTALLATION: INSTALL TILE IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE LATEST EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION OF THE TILE COUNCIL OF AMERICA, INC. AND MANUFACTURERS' WRITTEN INSTRUCTIONS.
 - COEFFICIENT OF FRICTION: PROVIDE FLOOR TILE WITH NON-SKID SURFACE WITH NATURAL OR APPLIED RUBBER PATTERNS EMBEDDED IN THE WEARING SURFACE IN ACCORDANCE WITH THE MANUFACTURERS' STANDARD PRACTICE TO PRODUCE A COEFFICIENT OF FRICTION VALUE EQUAL TO OR GREATER THAN THAT SPECIFIED IN THE WRITTEN INSTRUCTIONS.
 - FLOOR, BASE AND WALL TILE PROVIDED BY THE MANUFACTURER AS LISTED ON DRAWINGS FORMS THE BASIS OF DESIGN. NO SUBSTITUTIONS ARE PERMITTED.
 - TILE 1, TILE 2, TILE 3 & TILE 4: REFER TO THE FINISH LEGEND ON DRAWINGS.
 - NOTE: CONTRACTOR TO PROVIDE TILE INSTALL LAYOUT DRAWING AS PART OF THE SUBMITTAL FOR APPROVAL BY THE ARCHITECT BEFORE ANY TILE IS PLACE ON THE SURFACES.
 - SETTING AND GROUTING MATERIALS:
 - BY BESTMIX FORMS THE BASIS OF DESIGN. PRODUCTS WITH COMPARABLE MATERIALS AND PERFORMANCE CHARACTERISTICS, COLORS AND FINISHES BY THE FOLLOWING MANUFACTURERS ARE ALSO ACCEPTABLE.
 - ATLANTA MINERALS & CHEMICALS, INC.
 - BOARDMAN PRODUCTS CORP.
 - BONSAL, W. R. CO.
 - MAPEI CORP.
 - CUSTOM BUILDING PRODUCTS.
 - LATICRETE INTERNATIONAL, INC.
 - SOUTHERN GROUTS & MORTARS, INC.
 - SUMMITVILLE TILES, INC.
 - SPECIALTY PRODUCTS INC.
 - TRONKOLAN:
 - TRONKOLAN: PATCHING COMPOUNDS: LATEX-MODIFIED, PORTLAND CEMENT-BASED FORMULATIONS BY MAPEI CORP., OR PROVIDED OR APPROVED BY MANUFACTURER OF TILE SETTING MATERIALS.
 - WATERPROOF AND CRACK-SUPPRESSION MEMBRANES: MANUFACTURERS' STANDARD PRODUCT COMPLYING WITH ANSI A118.10, SELECT FROM THE FOLLOWING:
 - ELASTOMER ELASTOMERIC MEMBRANE: "ANTI-FRACTURE ECR" BY NATIONAL APPLIED CONSTRUCTION PRODUCTS, 40 MIL POLYMER MODIFIED MEMBRANE LAMINATED TO FIBER SHEET.
 - PVC-SHEET PRODUCT: "COMPOSEGOL" GOUY BY COMPOSITE GROUTING. TWO LAYERS OF PVC SHEET HEAT-FUSED TOGETHER AND TO FACINGS OF BONDABLE NONWOVEN FIBER, 0.047" NOMINAL THICKNESS.
 - POLYETHYLENE SHEET PRODUCT: "KERD" BY SCHLUTER SYSTEMS LP. POLYETHYLENE FACED ON BOTH SIDES WITH FLEECE WEAVING, 0.008" NOMINAL THICKNESS.
 - CORRUGATED POLYETHYLENE PRODUCT: "DITRA" BY SCHLUTER SYSTEMS LP. POLYETHYLENE WITH DOVETAIL-SHAPED CORRUGATIONS AND AN ANCHORING WEBBING ON THE UNDERSIDE, 3/16" NOMINAL THICKNESS.
 - FIBER-REINFORCED, MODIFIED-BITUMINOUS SHEET PRODUCT: "STRATAFLEX" BY PRODUCT, NATIONAL APPLIED CONSTRUCTION PRODUCTS, INC. SERVICED TO FITTING SHEET WITH JOSEPH RENFORCED FACINGS 0.047" NOMINAL THICKNESS.
 - FIBER-REINFORCED, FLUID-APPLIED SHEET PRODUCT: LIQUID-LATEX RUBBER WITH FABRIC REINFORCEMENT. PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE:
 - CUSTOM BUILDING PRODUCTS, "TROWEL & TACO WATERPROOF AND ANTI-FRACTURE MEMBRANE".
 - LATICRETE INTERNATIONAL, INC., "LATICRETE 9325 WATERPROOF MEMBRANE".
 - MARBLE CORPORATION, "MARBLE WATERPROOF".
 - SUMMITVILLE TILES, INC., "S-900".
 - UNREINFORCED, FLUID-APPLIED PRODUCT: LIQUID-LATEX RUBBER. PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE.
 - BOARDMAN PRODUCTS CORP.
 - CUSTOM BUILDING PRODUCTS, "LEVELQUICK WATERPROOFING AND ANTI-FRACTURE MEMBRANE".
 - JAMO INC., "WATERPROOF".
 - LATICRETE PORTLAND CEMENT PRODUCT: FLEXIBLE MORTAR WITH ACRYLIC LATEX ADDITIVE. PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE.
 - BOARDMAN PRODUCTS CORPORATION, "ELASTIMAT 323".
 - MARBLE CORPORATION, "MARBLE CORP".
 - SOUTHERN GROUTS & MORTARS, INC., "SOUTHCORE 1100".
 - TFC SPECIALTY PRODUCTS INC., "TFC-24, TRIPLE FLEX".
 - WATERPROOFING AND TILE SETTING ADHESIVE: ONE-PART LIQUID-APPLIED URETHANE. PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE.
 - BOSTI "HYDROBOND ULT-SET".
 - SOUTHERN GROUTS & MORTARS, INC., "DECK-SEAL 1000".
 - MISCELLANEOUS MATERIALS:
 - CUSTOM BUILDING PRODUCTS, "TROWEL & TACO WATERPROOFING AND ANTI-FRACTURE MEMBRANE".
 - LATICRETE INTERNATIONAL, INC., "LATICRETE 9325 WATERPROOF MEMBRANE".
 - MARBLE CORPORATION, "MARBLE WATERPROOF".
 - SUMMITVILLE TILES, INC., "S-900".
 - UNREINFORCED, FLUID-APPLIED PRODUCT: LIQUID-LATEX RUBBER. PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE.
 - BOARDMAN PRODUCTS CORP.
 - CUSTOM BUILDING PRODUCTS, "LEVELQUICK WATERPROOFING AND ANTI-FRACTURE MEMBRANE".
 - JAMO INC., "WATERPROOF".
 - LATICRETE PORTLAND CEMENT PRODUCT: FLEXIBLE MORTAR WITH ACRYLIC LATEX ADDITIVE. PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE.
 - BOARDMAN PRODUCTS CORPORATION, "ELASTIMAT 323".
 - MARBLE CORPORATION, "MARBLE CORP".
 - SOUTHERN GROUTS & MORTARS, INC., "SOUTHCORE 1100".
 - TFC SPECIALTY PRODUCTS INC., "TFC-24, TRIPLE FLEX".
 - WATERPROOFING AND TILE SETTING ADHESIVE: ONE-PART LIQUID-APPLIED URETHANE. PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE.
 - BOSTI "HYDROBOND ULT-SET".
 - SOUTHERN GROUTS & MORTARS, INC., "DECK-SEAL 1000".
 - SECTION 09400 - WOOD FLOORING
 - THIS SECTION INCLUDES THE FOLLOWING:
 - ACUSTICAL TILES AND CONCEALED SUSPENSION SYSTEMS FOR CEILINGS.
 - QUALITY ASSURANCE:
 - ACUSTICAL TILE STANDARD: COMPLY WITH ASTM E 1284.
 - METAL SUSPENSION SYSTEM STANDARD: COMPLY WITH ASTM C 635.
 - FIRE-TEST SURFACE CHARACTERISTICS:
 - RESPONSE-BURNING CHARACTERISTICS: ACUSTICAL TILES COMPLYING WITH ASTM E 1284 FOR CLASS A MATERIALS, WHEN TESTED PER ASTM E 84.
 - SMOKE DEVELOPMENTS: NONE.
 - ACUSTICAL CEILING TILES AND SUSPENSION SYSTEM BY ARMSTRONG FORM THE BASIS OF DESIGN. NO SUBSTITUTIONS ARE PERMITTED.
 - ACUSTICAL TILE: "TUNE", BEVELED BEVELED, 1/8" FINE TEXTURE MINERAL FIBER PANELS AND 9/16" SUPRAPRIME EXPANDED TEE SUSPENSION SYSTEM. VERIFY PERFORMANCES WITH BUILDING STANDARDS.
 - MATERIALS TO RECEIVE CERAMIC TILE, PROVIDE TYPE X FIRE-RESISTANT TYPE WHERE REQUIRED TO MEET RATED ASSEMBLY REQUIREMENTS.
 - MOLD RESISTANT PANELS: "SHEETROCK BRAND MOLD TOUGH GYPSUM PANELS", WITH MOISTURE AND MOLD-RESISTANT GYPSUM CORE ENCASED IN MOISTURE RESISTANT PAPER AT ALL INTERIOR SURFACES OF EXTERIOR WALLS.
 - CEMENT BACKER BOARD: "DUROCK CEMENT BOARD" AT WALLS TO RECEIVE CERAMIC TILE.
 - MATERIALS: AGGREGATED PORTLAND CEMENT WITH WOVEN GLASS FIBER MESH FACING COMPLYING WITH ANSI A118.9.
 - INTERIOR CEILING PANELS: INTERIOR GYPSUM CEILING BOARD, 1/2" THICK AT NON-RATED CEILING.
 - THICKNESSES: AS INDICATED ON DRAWINGS.
 - INTERIOR TRIM ACCESSORIES:
 - METAL TRIM ACCESSORIES: ASTM C 440 GALVANIZED STEEL, EXPOSED AND PLASTIC TRIM NOT PERMITTED. COMPARABLE PRODUCTS BY METAL FRAMING MANUFACTURER ARE ALSO ACCEPTABLE.
 - PROVIDE SIZES TO MATCH GYPSUM PANEL THICKNESS AT INSTALLATION CONDITIONS.
 - PROVIDE SIZES TO MATCH GYPSUM PANEL THICKNESS AT INSTALLATION CONDITIONS.
 - AT STANDARD 90 DEGREE OUTSIDE CORNERS UNLESS OTHERWISE INDICATED.
 - J-BEAD: NO. 2004 J-SHAPED GALVANIZED STEEL CASING.
 - J-BEAD: NO. 2004 L-SHAPED GALVANIZED STEEL CASING.
 - EXPANSION (CONTROL) JOINT: ZINC COATED, JOINT NO. 089, ROLL-FORMED ZINC WITH FACE-PROTECTED OPENING 1/2" WIDE X 7/16" DEEP. FLEXIBLE CORNER TRIM: 1/2" GALVANIZED STEEL METAL TAPE FLEX TAPE WITH TWO 7/16" WIDE GALVANIZED RUBBER RESISTANT STRIPS.
 - STRIPS WITH 1/16" GAP BETWEEN THE STRIPS. FORM TO FIT INSIDE OR OUTSIDE ANGLE GREATER OR LESS THAN 90° PROVIDE WITH 30° WIDE WITH 3/8" SUIT APPLICATION.
 - PAPER FACED TRIM ACCESSORIES: PAPER FACED TRIM ACCESSORIES BY DRYWALL SYSTEMS INTERNATIONAL. PRODUCTS WITH COMPARABLE PERFORMANCE CHARACTERISTICS BY DIETRICH METAL FRAMING AND U.S.G. CORP. ARE ALSO ACCEPTABLE.
 - PAPER FACED TRIM ACCESSORIES: "NO-COAT PAPER FACED TRIMS", LATEX SATURATED PAPERBOARD LAMINATED TO PROPRIETARY COPOLYMER PLASTIC AND PAPER JOINT TAPE.
 - FIXED TRIMS:
 - "ULTRACORNER", 90 DEG. WITH 2 1/2" FLANGES.
 - "FLEXIBLE TRIMS", 90 DEGREE, EDGE TRIM WITH 1/2" X 1/8" FLANGES.
 - "FLEXIBLE TRIMS", 90 DEGREE, EDGE TRIM WITH 1/2" X 1/8" FLANGES.
 - "ULTRAFLEX", ANGLES OF ANY DEGREE WITH 2 1/2" FLANGES.
 - "ULTRAFLEX", ANGLES OF ANY DEGREE WITH 1 1/2" FLANGES.
 - "90 DEGREE SOLID SMARTSERIES" WITH 1 7/8" FLANGES.
 - "FAST-FLEX SMARTSERIES" WITH 1 7/8" FLANGES.

- SECTION 09512 - ACUSTICAL TILE CEILINGS
 - THIS SECTION INCLUDES THE FOLLOWING:
 - ACUSTICAL TILES AND CONCEALED SUSPENSION SYSTEMS FOR CEILINGS.
 - QUALITY ASSURANCE:
 - ACUSTICAL TILE STANDARD: COMPLY WITH ASTM E 1284.
 - METAL SUSPENSION SYSTEM STANDARD: COMPLY WITH ASTM C 635.
 - FIRE-TEST SURFACE CHARACTERISTICS:
 - RESPONSE-BURNING CHARACTERISTICS: ACUSTICAL TILES COMPLYING WITH ASTM E 1284 FOR CLASS A MATERIALS, WHEN TESTED PER ASTM E 84.
 - SMOKE DEVELOPMENTS: NONE.
 - ACUSTICAL CEILING TILES AND SUSPENSION SYSTEM BY ARMSTRONG FORM THE BASIS OF DESIGN. NO SUBSTITUTIONS ARE PERMITTED.
 - ACUSTICAL TILE: "TUNE", BEVELED BEVELED, 1/8" FINE TEXTURE MINERAL FIBER PANELS AND 9/16" SUPRAPRIME EXPANDED TEE SUSPENSION SYSTEM. VERIFY PERFORMANCES WITH BUILDING STANDARDS.
 - MATERIALS TO RECEIVE CERAMIC TILE, PROVIDE TYPE X FIRE-RESISTANT TYPE WHERE REQUIRED TO MEET RATED ASSEMBLY REQUIREMENTS.
 - MOLD RESISTANT PANELS: "SHEETROCK BRAND MOLD TOUGH GYPSUM PANELS", WITH MOISTURE AND MOLD-RESISTANT GYPSUM CORE ENCASED IN MOISTURE RESISTANT PAPER AT ALL INTERIOR SURFACES OF EXTERIOR WALLS.
 - CEMENT BACKER BOARD: "DUROCK CEMENT BOARD" AT WALLS TO RECEIVE CERAMIC TILE.
 - MATERIALS: AGGREGATED PORTLAND CEMENT WITH WOVEN GLASS FIBER MESH FACING COMPLYING WITH ANSI A118.9.
 - INTERIOR CEILING PANELS: INTERIOR GYPSUM CEILING BOARD, 1/2" THICK AT NON-RATED CEILING.
 - THICKNESSES: AS INDICATED ON DRAWINGS.
 - INTERIOR TRIM ACCESSORIES:
 - METAL TRIM ACCESSORIES: ASTM C 440 GALVANIZED STEEL, EXPOSED AND PLASTIC TRIM NOT PERMITTED. COMPARABLE PRODUCTS BY METAL FRAMING MANUFACTURER ARE ALSO ACCEPTABLE.
 - PROVIDE SIZES TO MATCH GYPSUM PANEL THICKNESS AT INSTALLATION CONDITIONS.
 - PROVIDE SIZES TO MATCH GYPSUM PANEL THICKNESS AT INSTALLATION CONDITIONS.
 - AT STANDARD 90 DEGREE OUTSIDE CORNERS UNLESS OTHERWISE INDICATED.
 - J-BEAD: NO. 2004 J-SHAPED GALVANIZED STEEL CASING.
 - J-BEAD: NO. 2004 L-SHAPED GALVANIZED STEEL CASING.
 - EXPANSION (CONTROL) JOINT: ZINC COATED, JOINT NO. 089, ROLL-FORMED ZINC WITH FACE-PROTECTED OPENING 1/2" WIDE X 7/16" DEEP. FLEXIBLE CORNER TRIM: 1/2" GALVANIZED STEEL METAL TAPE FLEX TAPE WITH TWO 7/16" WIDE GALVANIZED RUBBER RESISTANT STRIPS.
 - STRIPS WITH 1/16" GAP BETWEEN THE STRIPS. FORM TO FIT INSIDE OR OUTSIDE ANGLE GREATER OR LESS THAN 90° PROVIDE WITH 30° WIDE WITH 3/8" SUIT APPLICATION.
 - PAPER FACED TRIM ACCESSORIES: PAPER FACED TRIM ACCESSORIES BY DRYWALL SYSTEMS INTERNATIONAL. PRODUCTS WITH COMPARABLE PERFORMANCE CHARACTERISTICS BY DIETRICH METAL FRAMING AND U.S.G. CORP. ARE ALSO ACCEPTABLE.
 - PAPER FACED TRIM ACCESSORIES: "NO-COAT PAPER FACED TRIMS", LATEX SATURATED PAPERBOARD LAMINATED TO PROPRIETARY COPOLYMER PLASTIC AND PAPER JOINT TAPE.
 - FIXED TRIMS:
 - "ULTRACORNER", 90 DEG. WITH 2 1/2" FLANGES.
 - "FLEXIBLE TRIMS", 90 DEGREE, EDGE TRIM WITH 1/2" X 1/8" FLANGES.
 - "FLEXIBLE TRIMS", 90 DEGREE, EDGE TRIM WITH 1/2" X 1/8" FLANGES.
 - "ULTRAFLEX", ANGLES OF ANY DEGREE WITH 2 1/2" FLANGES.
 - "ULTRAFLEX", ANGLES OF ANY DEGREE WITH 1 1/2" FLANGES.
 - "90 DEGREE SOLID SMARTSERIES" WITH 1 7/8" FLANGES.
 - "FAST-FLEX SMARTSERIES" WITH 1 7/8" FLANGES.
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