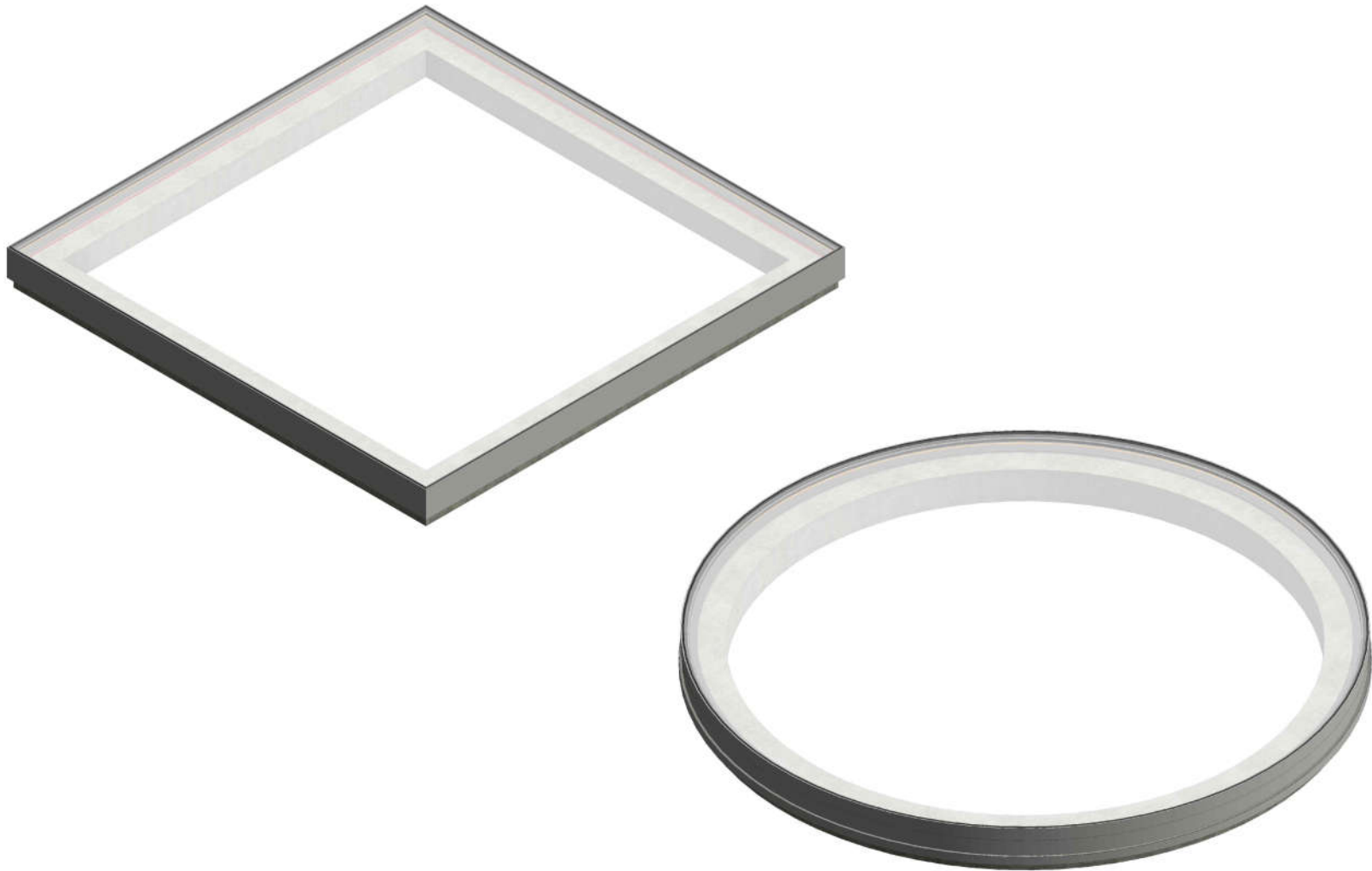


FENEX[®] OVERSIZED SOLARIUM & SKYLIGHT
LARGE AND SMALL MISSILE IMPACT RESISTANT
(MISSILE LEVEL D) / WALKABLE / FIRE RESISTANT
FLORIDA STATE PRODUCT APPROVAL FL # 22981.1



DRAWINGS INDEX	
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1	COVER SHEET
2 TO 3	SKYLIGHT CONFIGURATIONS AND SHAPES
4	ANCHOR LAYOUT - SUPPORTED ON THE CURB CONFIGURATION
5	ANCHOR LAYOUT - NOT SUPPORTED ON THE CURB CONFIGURATION
6	GLAZING DETAILS
7	PRESSURE TABLES
8 TO 17	PERIMETER ATTACHMENT DETAILS
18 TO 21	FRAME CORNER ASSEMBLY
22	PART LIST
22	TOTAL SHEET



SCAN THIS QR CODE FOR MORE INFORMATION

GENERAL NOTES:

- THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) PER:
 - ASTM E330, E331, E283, E1886, E1996
 - TAS 201 / 202 / 203
 - AAMA 101-97
 - AAMA 501
 - ANSI Z97.1
- FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). AS QUALIFIED IN TEST REPORT #17-7048 BY FENESTRATION TESTING LABORATORY, INC.
- THIS SYSTEM IS SMALL MISSILE IMPACT (SMI) AND LARGE MISSILE IMPACT (LMI) RESISTANT AND DOES NOT REQUIRES IMPACT SHUTTERS.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 2 SAFETY FACTOR.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- ALL CONCRETE ANCHORS SPECIFIED HEREIN REFER TO DEWALT SCREW-BOLT+ OR A CERTIFIED EQUIVALENT UNLESS NOTED OTHERWISE.
- ALL ANCHORS INTO METAL SUBSTRATES TO BE CORROSION-RESISTANT MACHINE BOLTS (GRADE 2 MIN.) UNLESS NOTED OTHERWISE.
- ALL ANCHORS INTO WOOD SUBSTRATES TO BE LAG SCREWS FASTENED TO No. 2 SOUTHERN YELLOW PINE (S.G.= 0.55 MIN.) IN DRY CONDITIONS, UNLESS NOTED OTHERWISE.
- ALL ANCHORS (AS APPLICABLE) SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.
- ALL FRAME PROFILES SHALL BE 304 OR 316 STAINLESS STEEL, OR 6061-T6 OR 6005-T5 ALUMINUM.
- GLAZING ILLUSTRATED HEREIN UTILIZES SENTRYGLAS INTERLAYER BY KURARAY AMERICA INC. (NOA #. 22-1116.01)
- THE CONTRACTOR IS RESPONSIBLE TO ISOLATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:

FENEX[®] LLC.
2801 NW 55th CT., BUILDING 8W
FT. LAUDERDALE, FL 33309
TAS 201/202/203
APPROVED BY FLORIDA BUILDING COMMISSION

LEGEND	
SYMBOL/ ACRONYM	DESCRIPTION
R.O.	ROUGH OPENING
F.S.	FRAME SIZE
G.S.	GLASS SIZE
D.L.O.	DAY LIGHT OPENING
H.S.	HEAT STRENGTHENED
F.T.	FULLY TEMPERED
TYP.	TYPICAL
O.C.	ON CENTER
V.I.F.	CONTRACTOR TO VERIFY IN FIELD
▼	PRE ENGINEERED ANCHOR LOCATIONS



SHEET:
1 OF 22

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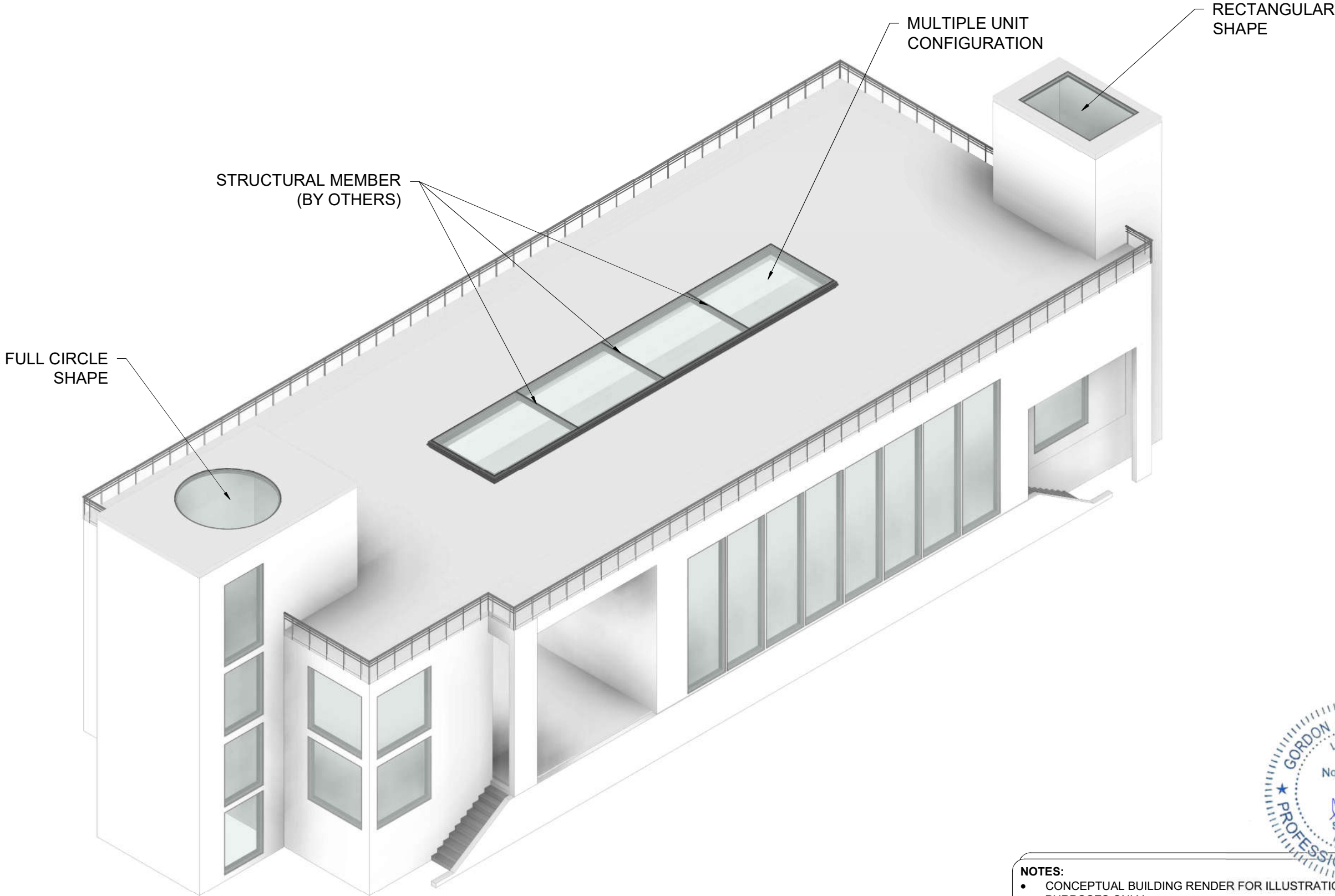
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FT LAUDERDALE, FL 33309

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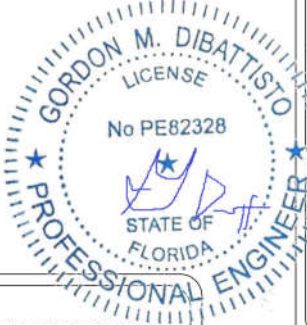
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ENGINEERING
1505 SW 147TH AVE.
PEMBROKE PINES, FL 33027
(954) 489-9707
OFFICE@DOPENENGINEERING.COM
REGISTRY No. 34110

SKYLIGHT CONFIGURATIONS AND SHAPES



- NOTES:
- CONCEPTUAL BUILDING RENDER FOR ILLUSTRATION PURPOSES ONLY.
 - SKYLIGHTS MAY BE INSTALLED TOGETHER AN INFINITE NUMBER OF BAYS PROVIDED EACH UNIT SIZE DOES NOT EXCEED APPROVED SIZES AND A STRUCTURAL MEMBER (BY OTHERS) IS BETWEEN SKYLIGHTS.



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REGISTRY No. 34110

GORDON DIBATTISTO, P.E.
P.E. No. 82328 (FL)

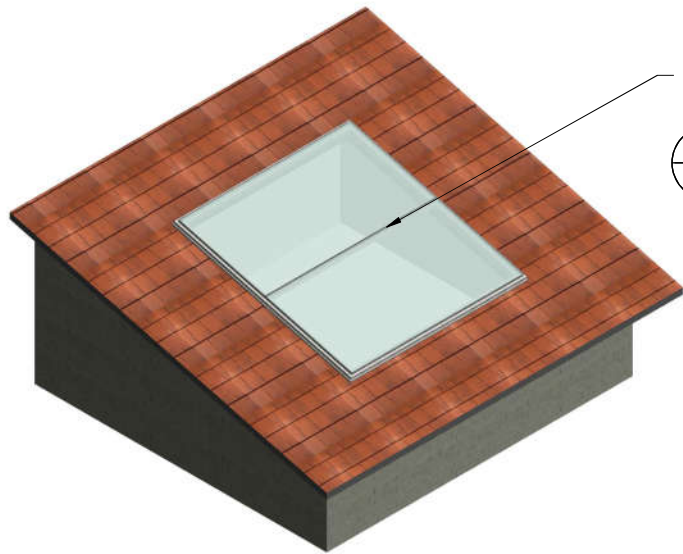
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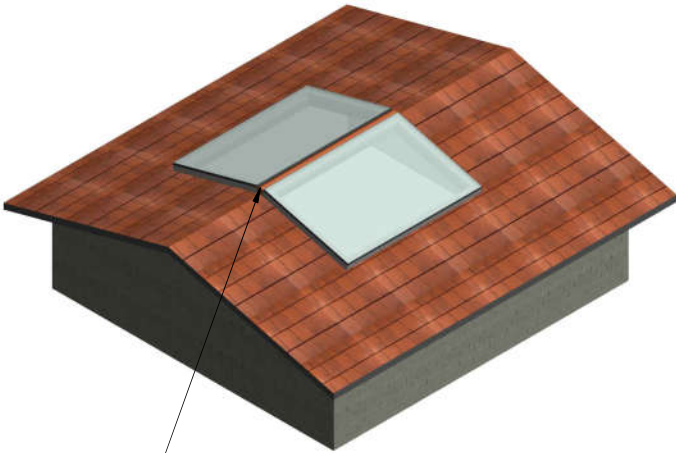
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2 OF 22

SKYLIGHT CONFIGURATIONS AND SHAPES



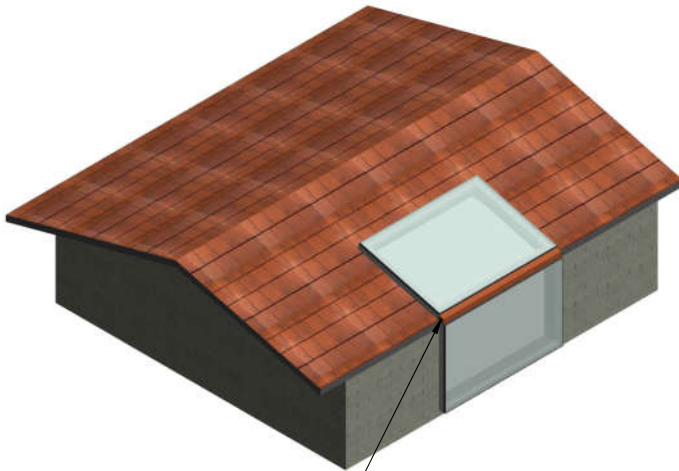
STRUCTURAL MEMBER
(BY OTHERS)

A 13 A 17



RIDGE BEAM
(BY OTHERS)

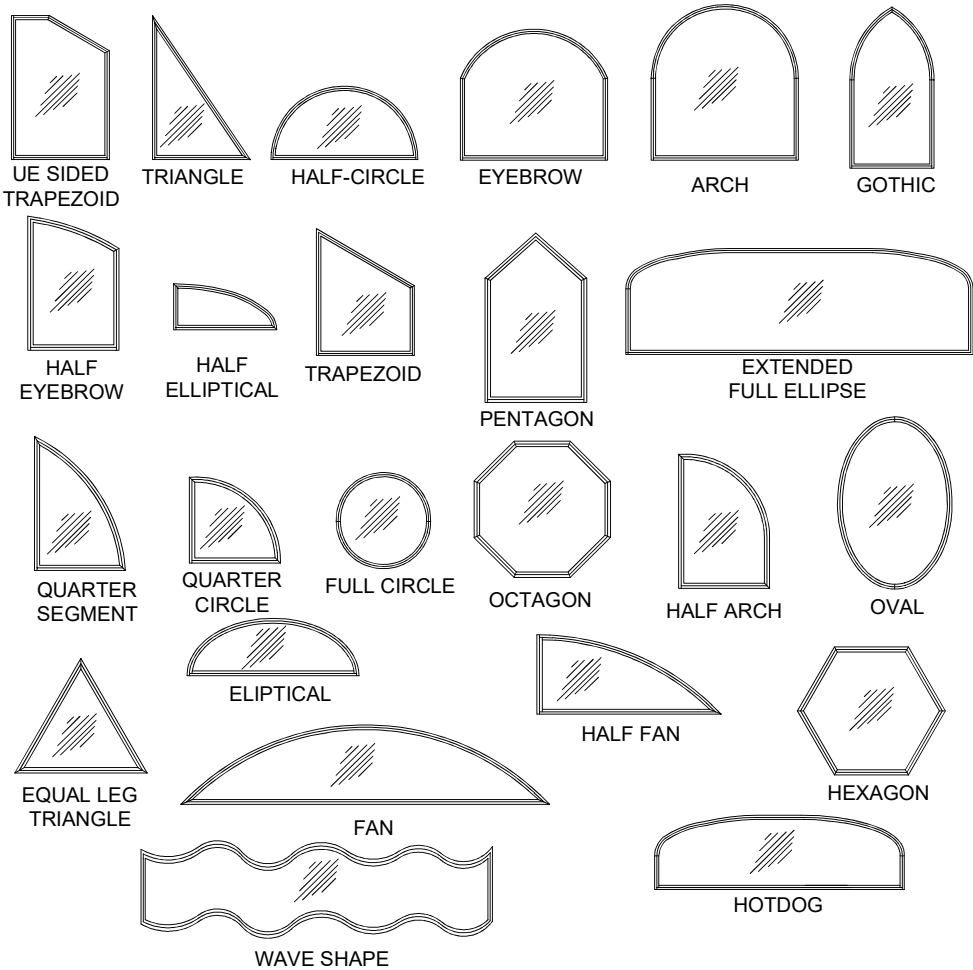
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STRUCTURAL MEMBER
(BY OTHERS)

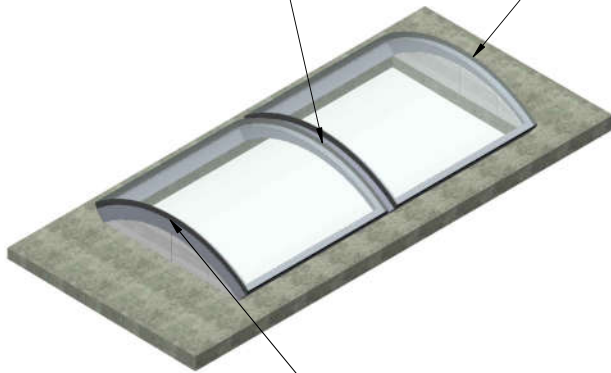
B 11 B 12
B 15 B 16

FEASIBLE ALTERNATE ARCHITECTURAL SHAPES
ALTERNATE SHAPES THAT CAN BE CIRCUMSCRIBED IN A RECTANGLE THAT DOES NOT EXCEED THE TESTED APPROVED UNIT TOTAL AREA (132 SQ FT) SHALL BE PERMITTED. PROJECT-SPECIFIC ENGINEERING ANALYSIS SHALL BE CARRIED OUT BY A LICENSED PROFESSIONAL ENGINEER TO ACCEPT ALTERNATE SHAPES THAT DO NOT EXCEED THE TESTED APPROVED UNIT TOTAL AREA BUT VARY IN WIDTH, HEIGHT, OR LOAD REQUIREMENTS ONLY, AS PER FBC SECTION 2411.3.2.4.



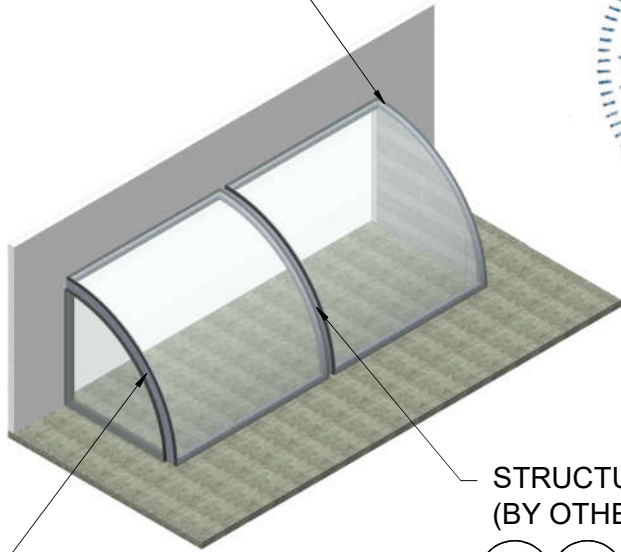
STRUCTURAL MEMBER
(BY OTHERS)

A 13 A 17



STRUCTURAL MEMBER
(BY OTHERS)

STRUCTURAL MEMBER
(BY OTHERS)



STRUCTURAL MEMBER
(BY OTHERS)

A 13 A 17

NOTE:
SKYLIGHTS MAY BE INSTALLED TOGETHER AN INFINITE NUMBER OF BAYS PROVIDED EACH UNIT SIZE DOES NOT EXCEED APPROVED SIZES AND A STRUCTURAL MEMBER (BY OTHERS) IS BETWEEN SKYLIGHTS.

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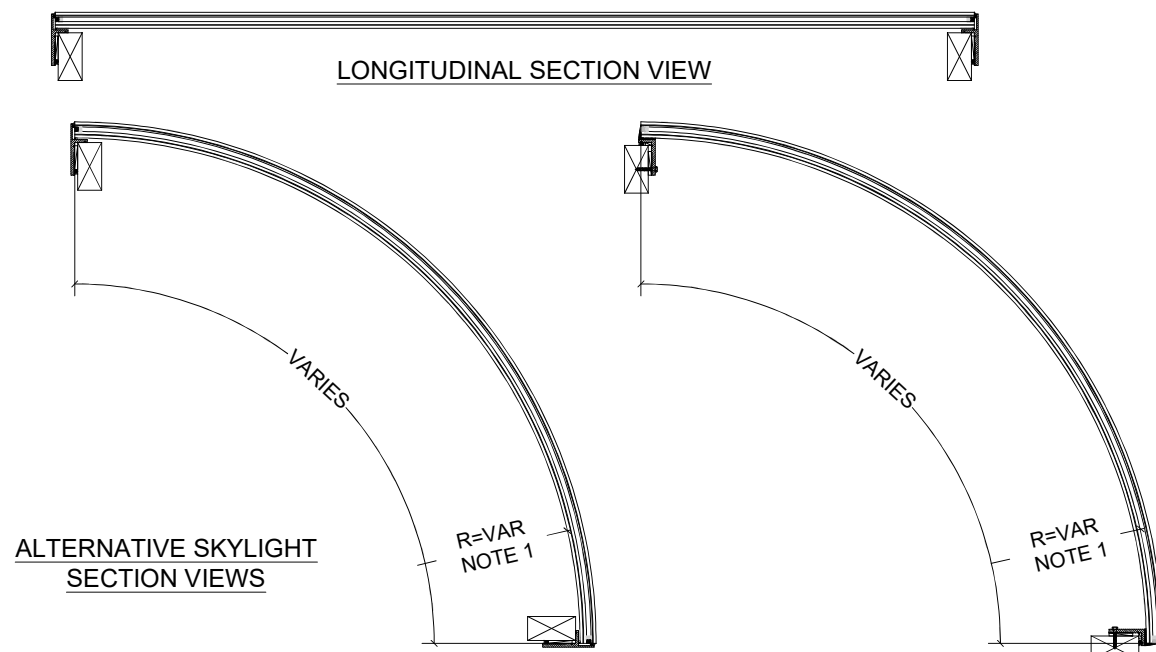
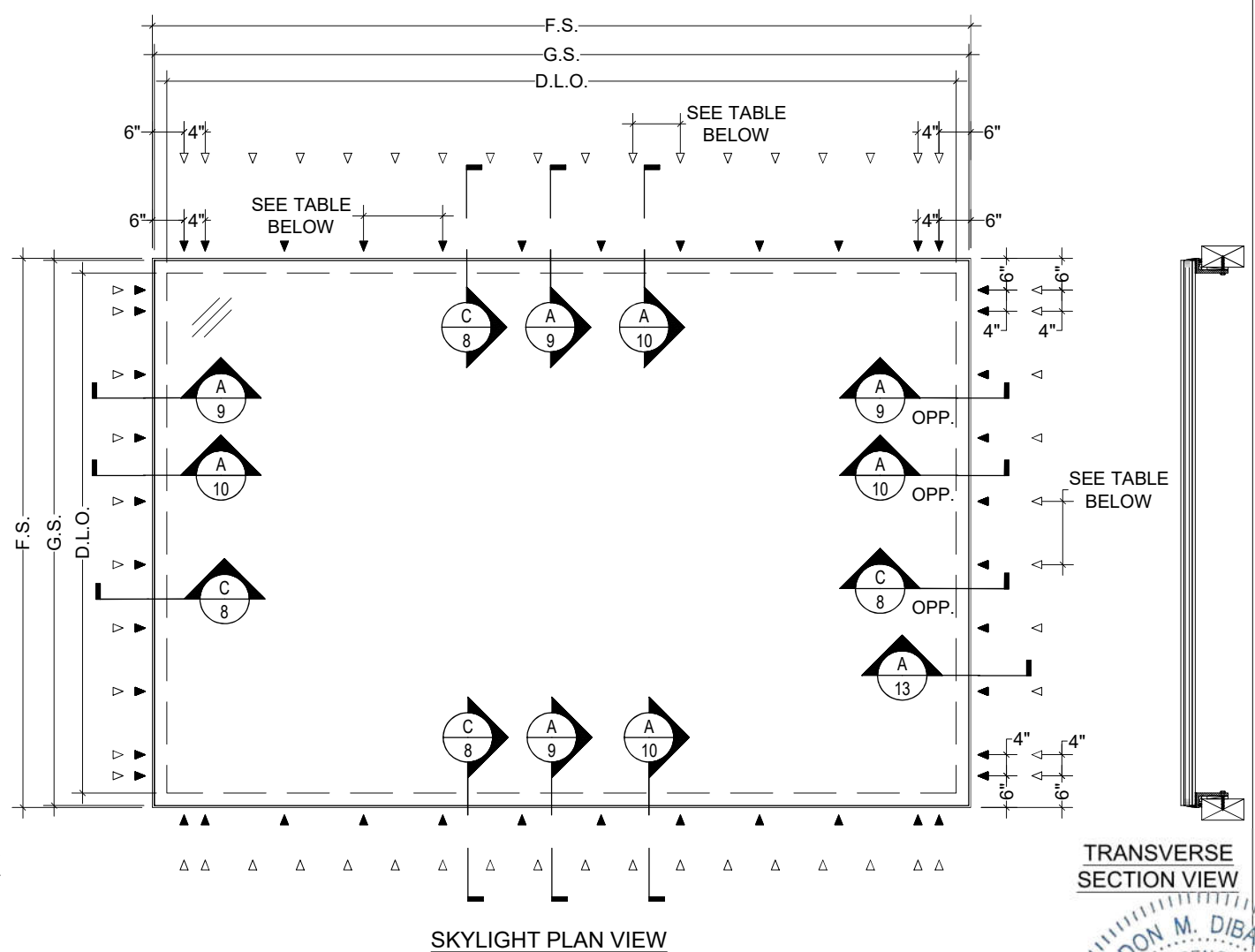
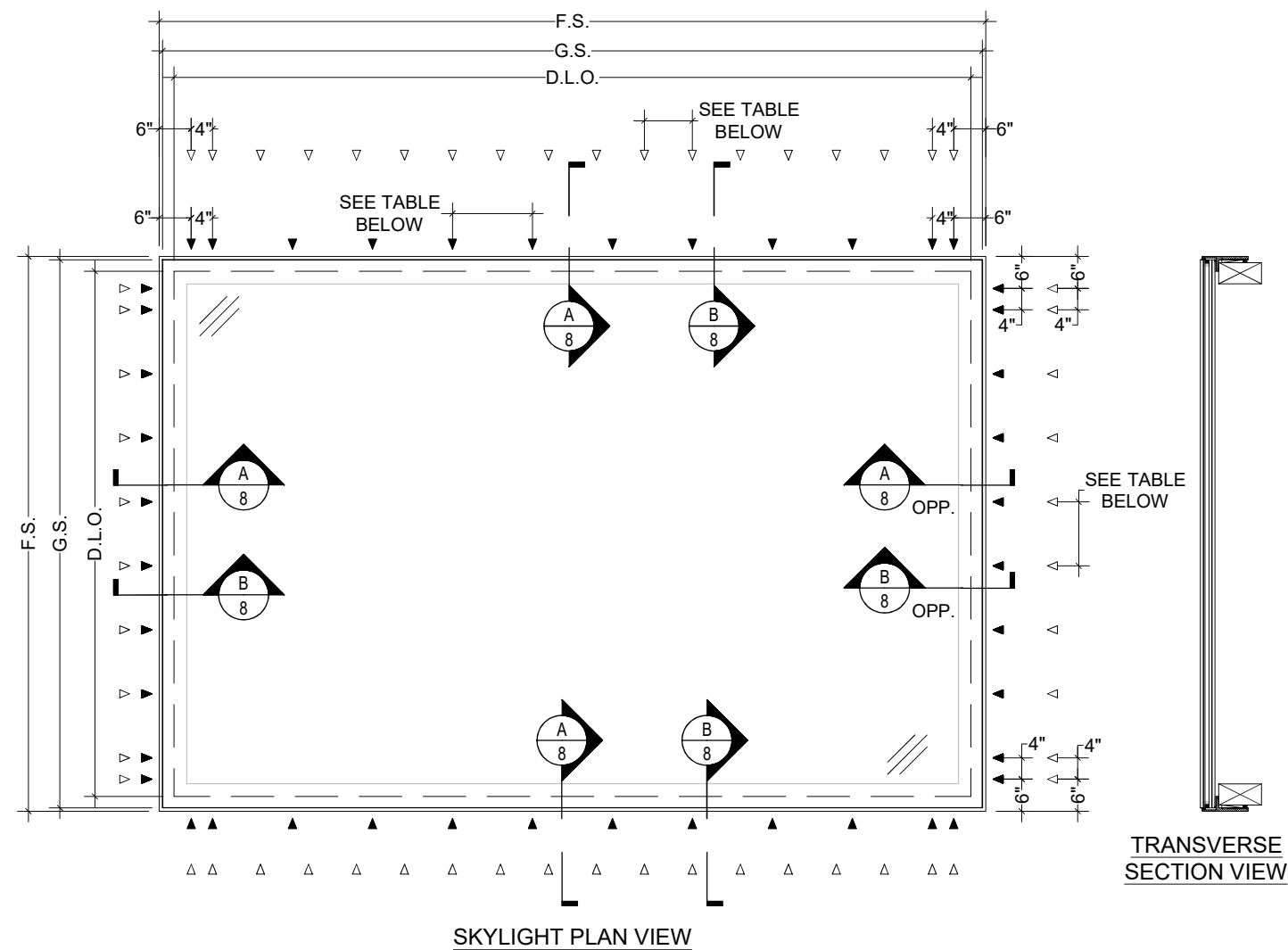
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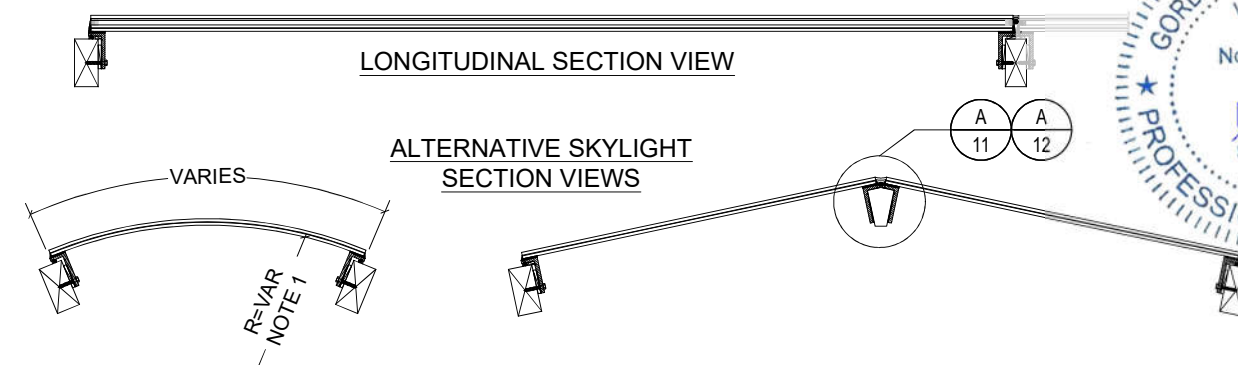
SHEET:
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ANCHOR LAYOUT - SUPPORTED ON THE CURB CONFIGURATION



NOTE 1:
RADIUS AND ARCH AMPLITUDE DEPENDENT OF GLASS
MAKE-UP AND FABRICATION CONSTRAINTS

NOTE:
ANCHOR SPACING TO BE DEFINED
BASED ON ASD TOTAL NEGATIVE LOAD



ANCHOR SCHEDULE & BALANCE SPACING								
HOST STRUCTURE		ANCHOR TYPE	MINIMUM EMBEDMENT / PENETRATION	EDGE DISTANCE	ANCHOR SPACING (INCHES)			
					ASD TOTAL LOAD			
					60 PSF	80 PSF	100 PSF	120 PSF
▼	CONCRETE (3 KSI MIN.)	1/2" DIA. DEWALT SCREW-BOLT+	3"	3"	24	24	24	16
	STEEL A36 (1/8" THICK MIN.)	1/2" DIA. F TYPE MACHINE BOLT (GRADE 2 MIN.)	3 PITCHES PASSING THE THREAD PLANE	1 1/2"	24	24	24	16
	ALUMINUM 6063-T6 (1/8" THICK MIN.)	1/2" DIA. F TYPE MACHINE BOLT (GRADE 2 MIN.)	3 PITCHES PASSING THE THREAD PLANE	1 1/2"	24	24	24	16
▽	WOOD (SG = 0.55 MIN.)	1/2" DIA. LAG SCREW	2"	2"	24	24	16	12

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LICENSE
No PE82328
★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



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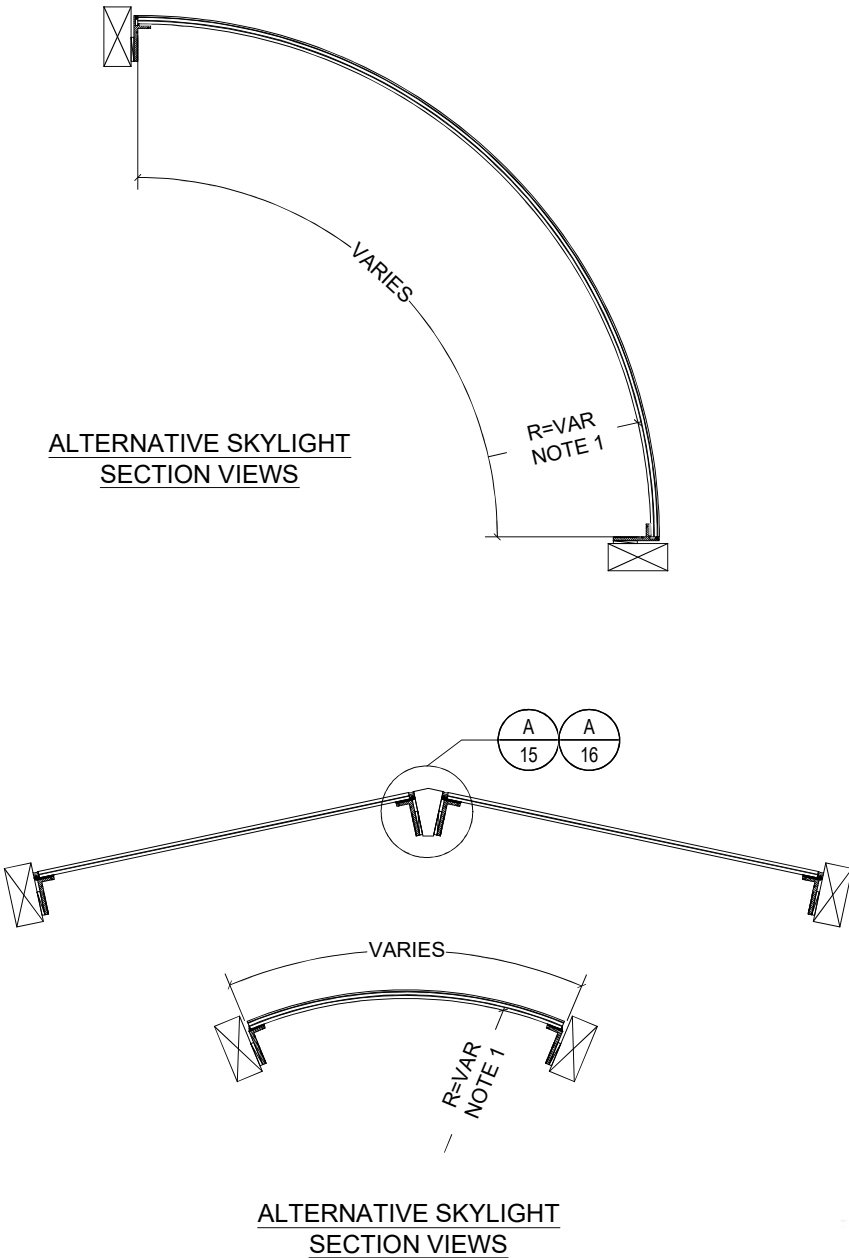
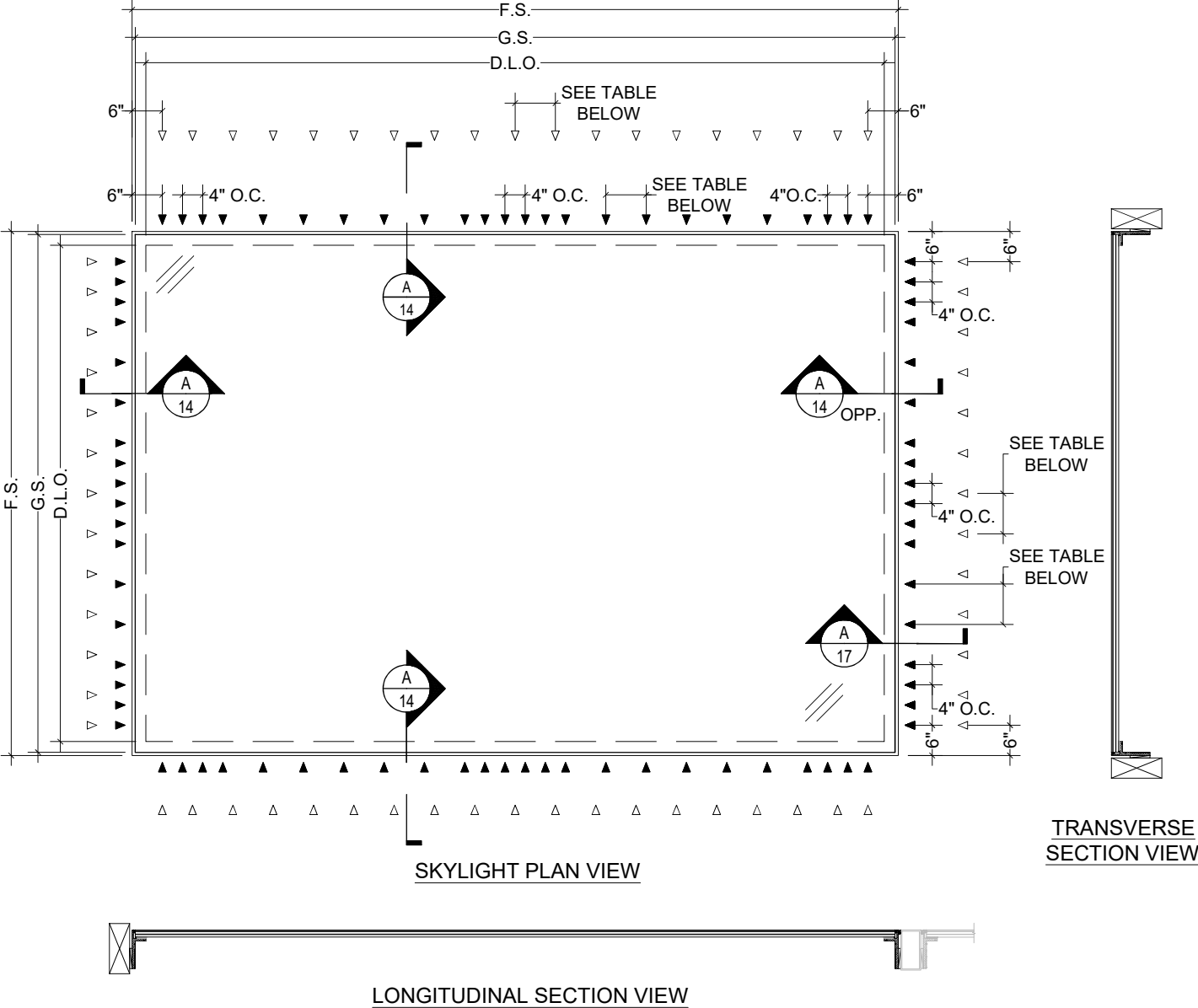
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ANCHOR LAYOUT - NOT SUPPORTED ON THE CURB CONFIGURATION



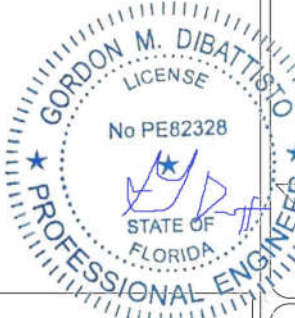
ANCHOR SCHEDULE & BALANCE SPACING								
HOST STRUCTURE		ANCHOR TYPE	MINIMUM EMBEDMENT / PENETRATION	EDGE DISTANCE	ANCHOR SPACING (INCHES)			
					ASD TOTAL LOAD			
					60 PSF	80 PSF	100 PSF	120 PSF
▼	CONCRETE (3 KSI MIN.)	1/2" DIA. DEWALT SCREW-BOLT+	3"	3"	24	24	18	16
	STEEL A36 (1/8" THICK MIN.)	1/2" DIA. F TYPE MACHINE BOLT (GRADE 2 MIN.)	3 PITCHES PASSING THE THREAD PLANE	1 1/2"	24	24	24	16
	ALUMINUM 6063-T6 (1/8" THICK MIN.)	1/2" DIA. F TYPE MACHINE BOLT (GRADE 2 MIN.)	3 PITCHES PASSING THE THREAD PLANE	1 1/2"	24	24	24	16
▽	WOOD (SG = 0.55 MIN.)	1/2" DIA. LAG SCREW	2"	2"	16	16	16	12

NOTE 1:
RADIUS AND ARCH AMPLITUDE DEPENDENT OF GLASS MAKE-UP AND FABRICATION CONSTRAINTS

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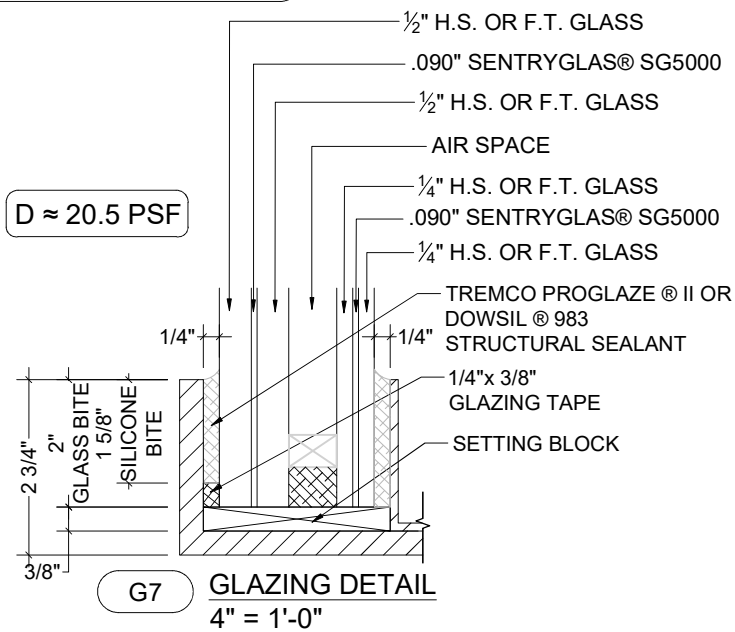
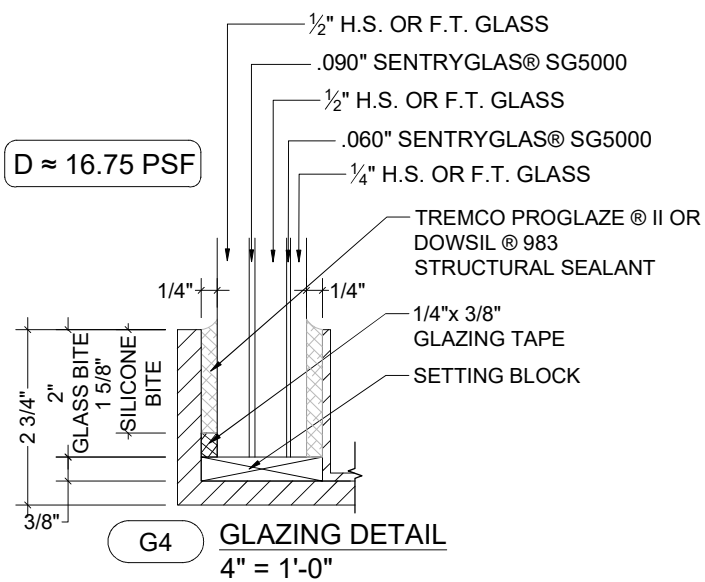
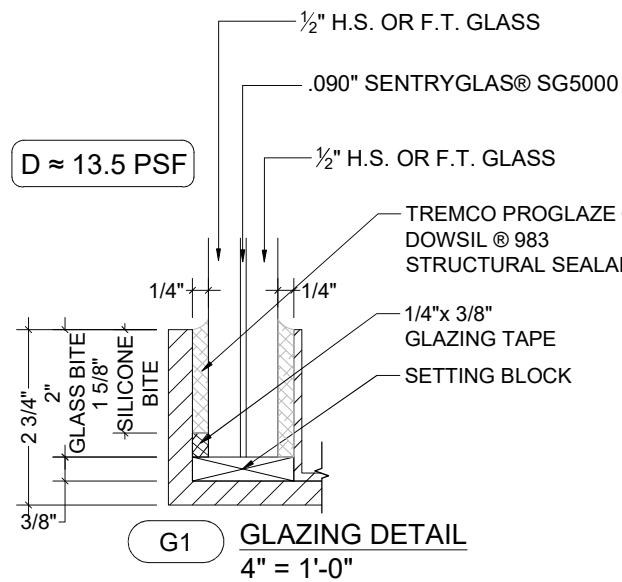
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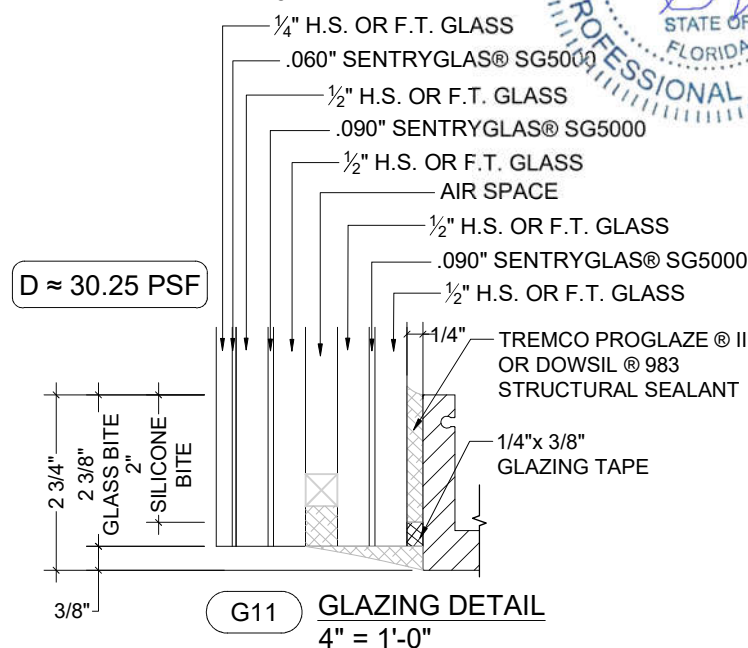
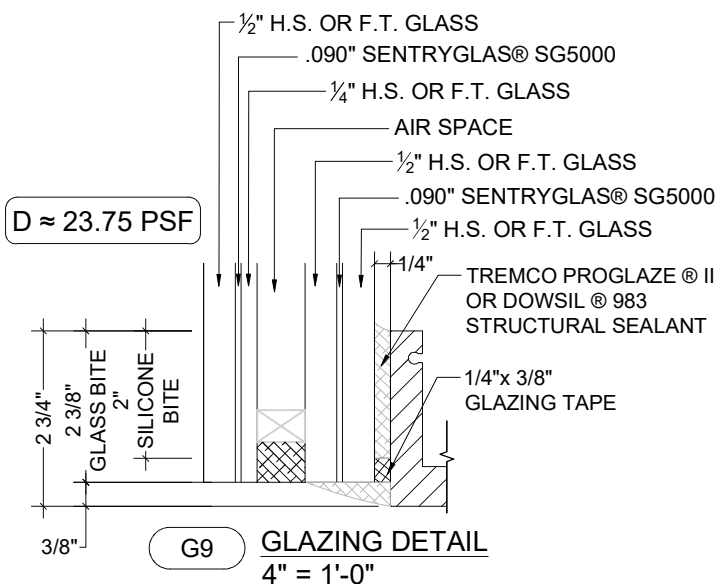
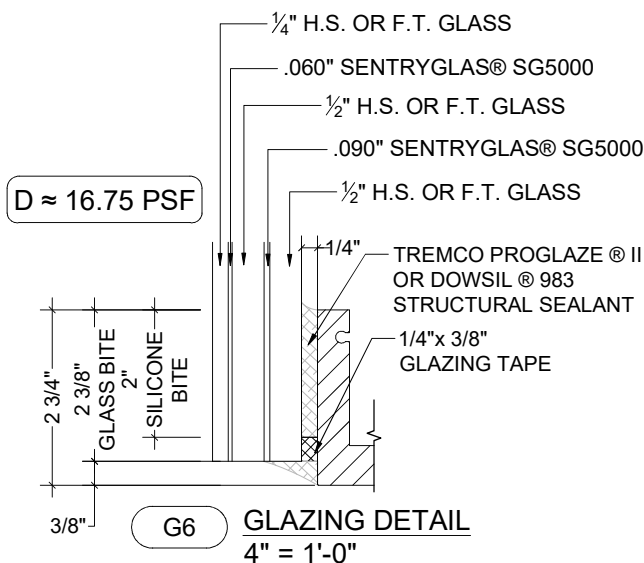
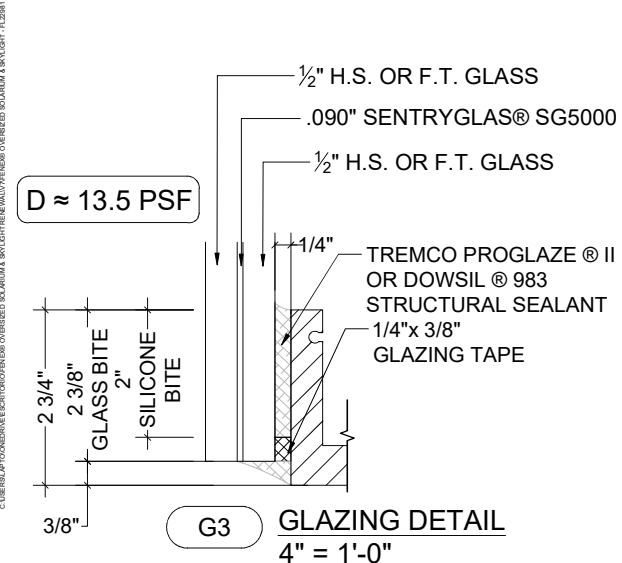
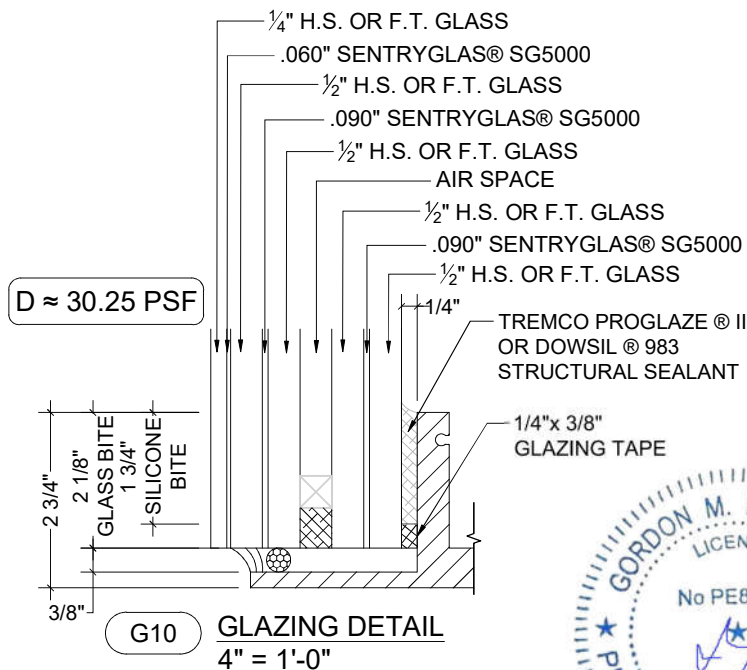
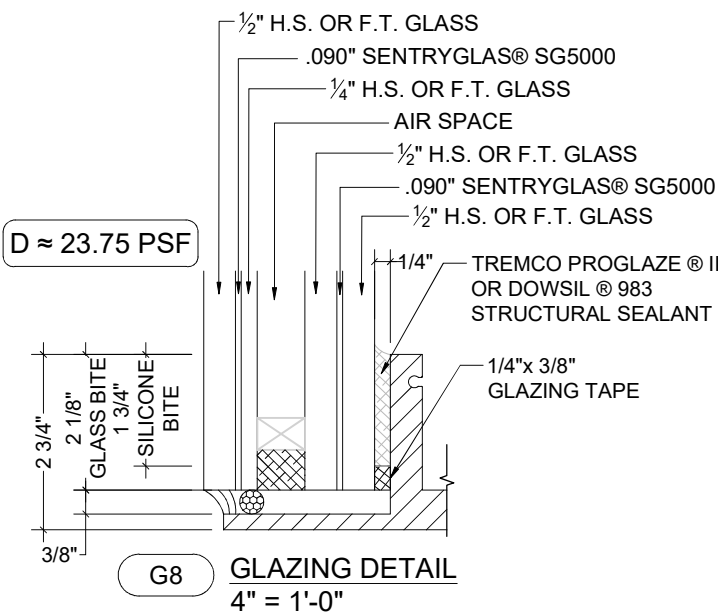
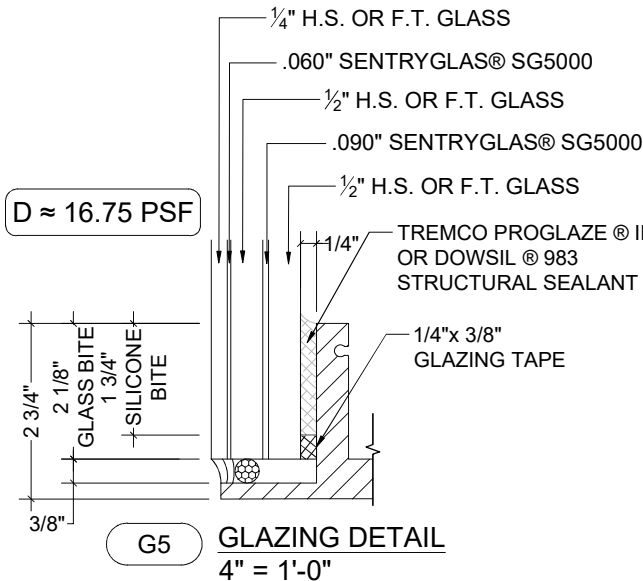
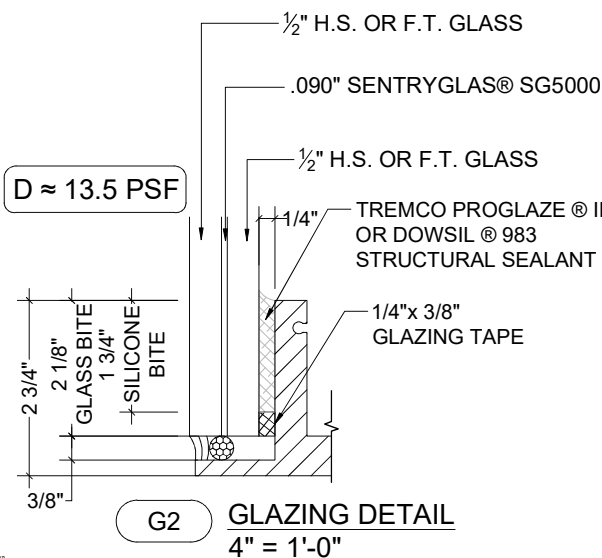
SHEET:
5 OF 22

GLAZING DETAILS



NOTES:

- FIRE-RATED GLASS MAKE-UPS CAN BE PROVIDED ON A SITE-SPECIFIC BASIS AND CAN ONLY BE USED IN CONJUNCTION WITH THE STAINLESS STEEL FRAME CONFIGURATIONS. THIS DESIGN SHALL BE VERIFIED BY A LICENSED PROFESSIONAL ENGINEER.
- ALTERNATE THICKER GLASS MAKEUPS MAY BE USED IN THE SAME CONFIGURATION AS THE ONES SHOWN BELOW. IF THICKER GLASS MAKEUPS ARE USED, SYSTEM AND ANCHORING SHALL BE DESIGNED AND CHECKED BY A LICENSED PROFESSIONAL ENGINEER.
- D = TOTAL GLASS DEAD LOAD EFFECTIVE TOTAL GLASS DEAD LOAD DEPENDENT ON GLASS COMPOSITION AND SLOPE.



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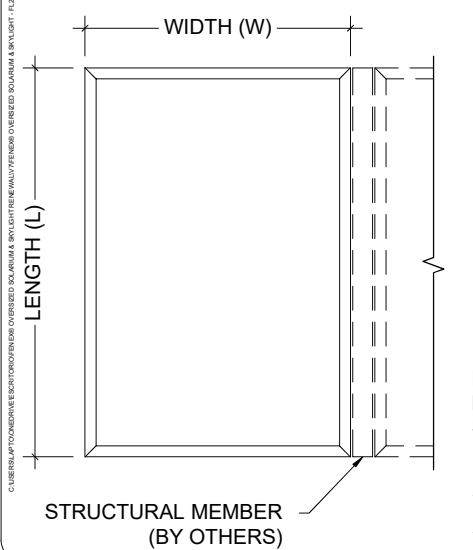
SHEET:

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NOTE: THE SYSTEM IN THIS APPROVAL IS PERMITTED TO BE DESIGNED BY INTERCHANGING THE WIDTH AND LENGTHS IN THE DESIGN TABLE WHEN VERIFIED BY A LICENSED PROFESSIONAL ENGINEER.

PRESSURE TABLES

DESIGN TABLE			
F.S. DIMENSIONS		ASD TOTAL LOAD	
WIDTH	LENGTH	POSITIVE	NEGATIVE
IN	IN	PSF	PSF
48	72	120	120
54		120	120
60		120	120
66		120	120
72		120	120
78		120	120
84		120	120
90		120	120
96		120	120
102		120	120
108		120	120
114		120	120
120		120	120
126		120	120
132		120	120
138		120	120
144		120	120
150		120	120
156		120	120
162		120	120
168		120	120
174		120	120
180		120	120
186		120	120
192		120	120
198		120	120
204		120	120
210		120	120
216	120	120	
222	120	120	
228	120	120	
234	120	120	
240	120	120	
246	120	120	
252	120	120	
258	120	120	
264	120	120	



- NOTES:**
- SKYLIGHTS MAY BE INSTALLED TOGETHER AN INFINITE NUMBER OF BAYS PROVIDED EACH UNIT SIZE DOES NOT EXCEED APPROVED SIZES AND A STRUCTURAL MEMBER (BY OTHERS) IS BETWEEN SKYLIGHTS.
 - SYSTEM IS RATED TO 18Psf. WATER RESISTANCE.
 - GLASS COMPLIES WITH ASTM E1300.

FG = 0.6WO - D	150	88	88
FG = 0.6WI + D + 0.5S	162	88	88
FG = 0.3WI + D + S	168	88	88
WHERE:	174	88	88

FG = ASD TOTAL LOAD, PSF ON GLASS.
D = GLASS DEAD LOAD, PSF, DEPENDENT ON GLASS COMPOSITION AND SLOPE.
S = SNOW LOAD, PSF.
WI = INWARD (POSITIVE) WIND FORCE, PSF DUE TO ULTIMATE DESIGN WIND SPEED.
WO = OUTWARD (NEGATIVE) WIND FORCE, PSF DUE TO ULTIMATE DESIGN WIND SPEED.
*FOR WALKABLE APPLICATIONS, LIVE LOADING AS SPECIFIED IN FBC CHAPTER 16 SHALL ALSO BE CONSIDERED IN THE DESIGN.

DESIGN TABLE			
F.S. DIMENSIONS		ASD TOTAL LOAD	
WIDTH	LENGTH	POSITIVE	NEGATIVE
IN	IN	PSF	PSF
48	84	120	120
54		120	120
60		120	120
66		120	120
72		120	120
78		120	120
84		114	114
90		114	114
96		114	114
102		114	114
108		114	114
114		114	114
120		114	114
126		114	114
132		114	114
138		114	114
144		114	114
150		114	114
156		114	114
162		114	114
168		114	114
174		114	114
180		114	114
186		114	114
192	114	114	
198	114	114	
204	114	114	
210	114	114	
216	114	114	
222	114	114	

DESIGN TABLE			
F.S. DIMENSIONS		ASD TOTAL LOAD	
WIDTH	LENGTH	POSITIVE	NEGATIVE
IN	IN	PSF	PSF
48	96	120	120
54		120	120
60		120	120
66		120	120
72		120	120
78		120	120
84		114	114
90		106	106
96		100	100
102		100	100
108		100	100
114		100	100
120		100	100
126		100	100
132		100	100
138		100	100
144		100	100
150		100	100
156		100	100
162		100	100
168	100	100	
174	100	100	
180	100	100	
186	100	100	
192	100	100	
198	100	100	
48	108	120	120
54		120	120
60		120	120
66		120	120
72		120	120
78		120	120
84		114	114
90		106	106
96		100	100
102		94	94
108		88	88
114		88	88
120		88	88
126		88	88
132		88	88
138		88	88
144		88	88
150		88	88
156		88	88
162		88	88
168	88	88	
174	88	88	

DESIGN TABLE			
F.S. DIMENSIONS		ASD TOTAL LOAD	
WIDTH	LENGTH	POSITIVE	NEGATIVE
IN	IN	PSF	PSF
48	120	120	120
54		120	120
60		120	120
66		120	120
72		120	120
78		120	120
84		114	114
90		106	106
96		100	100
102		94	94
108		88	88
114		84	84
120		80	80
126		80	80
132		80	80
138		80	80
144		80	80
150		80	80
156	80	80	
48	132	120	120
54		120	120
60		120	120
66		120	120
72		120	120
78		120	120
84		114	114
90		106	106
96		100	100
102		94	94
108		88	88
114		84	84
120		80	80
126		76	76
132		72	72
138		72	72
144		72	72
48		144	120
54	120		120
60	120		120
66	120		120
72	120		120
78	120		120
84	114		114
90	106		106
96	100		100
102	94		94
108	88		88
114	84		84
120	80		80
126	76		76
132	72		72

DESIGN TABLE				
F.S. DIMENSIONS		ASD TOTAL LOAD		
WIDTH	LENGTH	POSITIVE	NEGATIVE	
IN	IN	PSF	PSF	
48	156	120	120	
54		120	120	
60		120	120	
66		120	120	
72		120	120	
78		120	120	
84		114	114	
90		106	106	
96		100	100	
102		94	94	
108		88	88	
114		84	84	
120	80	80		
48	168	120	120	
54		120	120	
60		120	120	
66		120	120	
72		120	120	
78		120	120	
84		114	114	
90		106	106	
96		100	100	
102		94	94	
108		88	88	
48		180	120	120
54	120		120	
60	120		120	
66	120		120	
72	120		120	
78	120		120	
84	114		114	
90	106		106	
96	100		100	
102	94		94	
48	192		120	120
54			120	120
60		120	120	
66		120	120	
72		120	120	
78		120	120	
84		114	114	
90		106	106	
96		100	100	
48		204	120	120
54			120	120
60			120	120
66	120		120	
72	120		120	
78	112		112	
84	105		105	
90	99		99	

DESIGN TABLE					
F.S. DIMENSIONS		ASD TOTAL LOAD			
WIDTH	LENGTH	POSITIVE	NEGATIVE		
IN	IN	PSF	PSF		
48	216	120	120		
54		120	120		
60		120	120		
66		116	116		
72		107	107		
78		99	99		
84		93	93		
48	228	120	120		
54		120	120		
60		113	113		
66		104	104		
72		95	95		
78		89	89		
48		240	120	120	
54	113		113		
60	102		102		
66	93		93		
72	86		86		
78	80		80		
48	252		115	115	
54		102	102		
60		92	92		
66		84	84		
72		77	77		
48		264	104	104	
54			93	93	
60	84		84		
66	77		77		
72	70		70		
48	276		95	95	
54			85	85	
60		77	77		
66		70	70		
48		288	87	87	
54			78	78	
60			70	70	
66	64		64		
48	300		80	80	
54			72	72	
60			65	65	
48		312	74	74	
54			66	66	
60			60	60	
48			324	69	69
54	61			61	
48	336			64	64
54				57	57
48		348		60	60
54				53	53
48				360	56
48			372	52	52
48			386	48	48
48	396		46	46	

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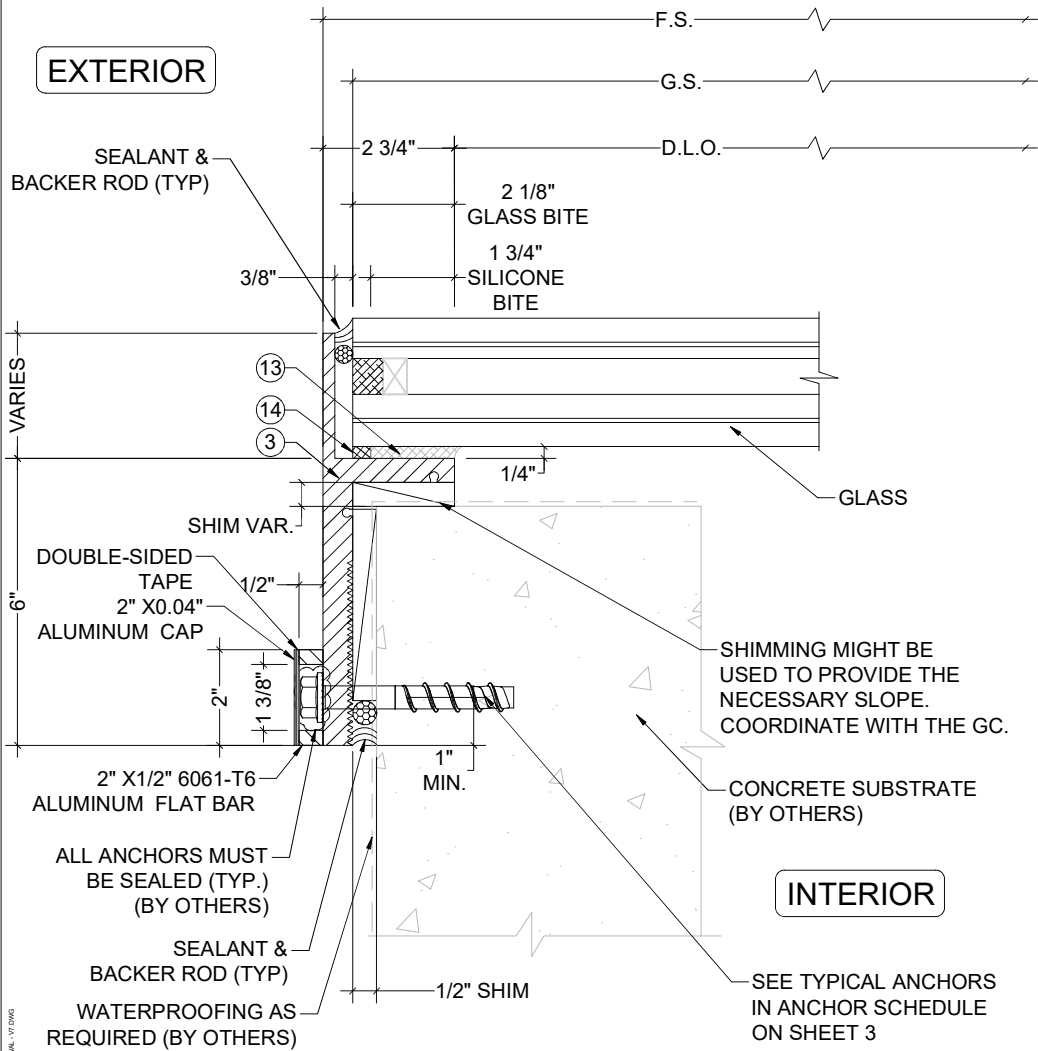
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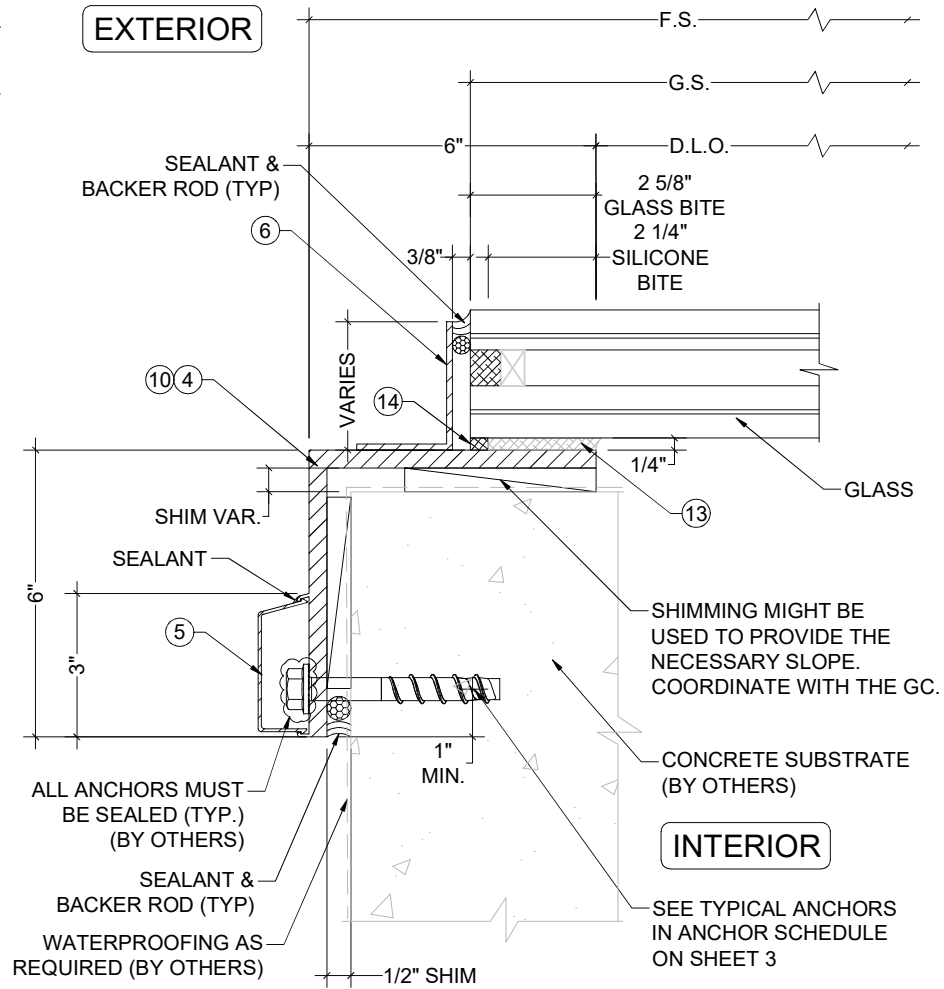
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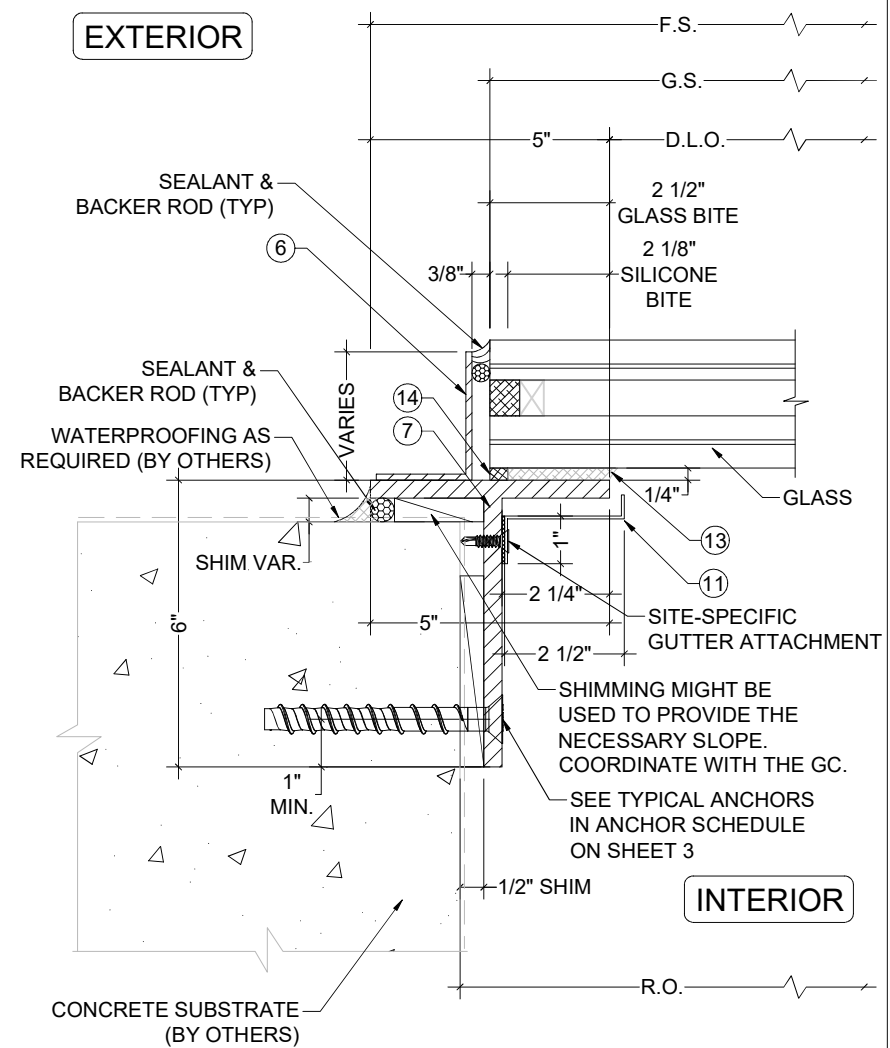
PERIMETER ATTACHMENT DETAILS



A PERIMETER DETAIL
8 SCALE: 3" = 1'-0" SECTION VIEW



B PERIMETER DETAIL
8 SCALE: 3" = 1'-0" SECTION VIEW



C PERIMETER DETAIL
8 SCALE: 3" = 1'-0" SECTION VIEW

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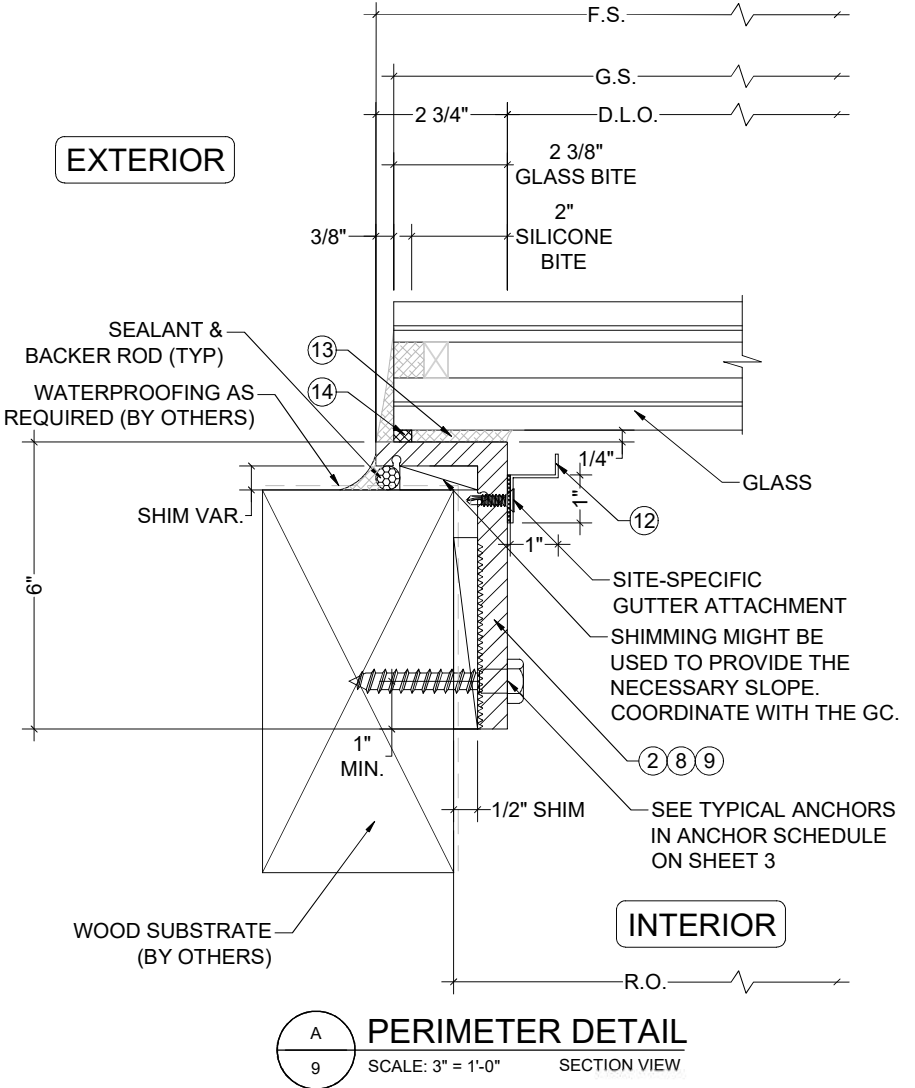
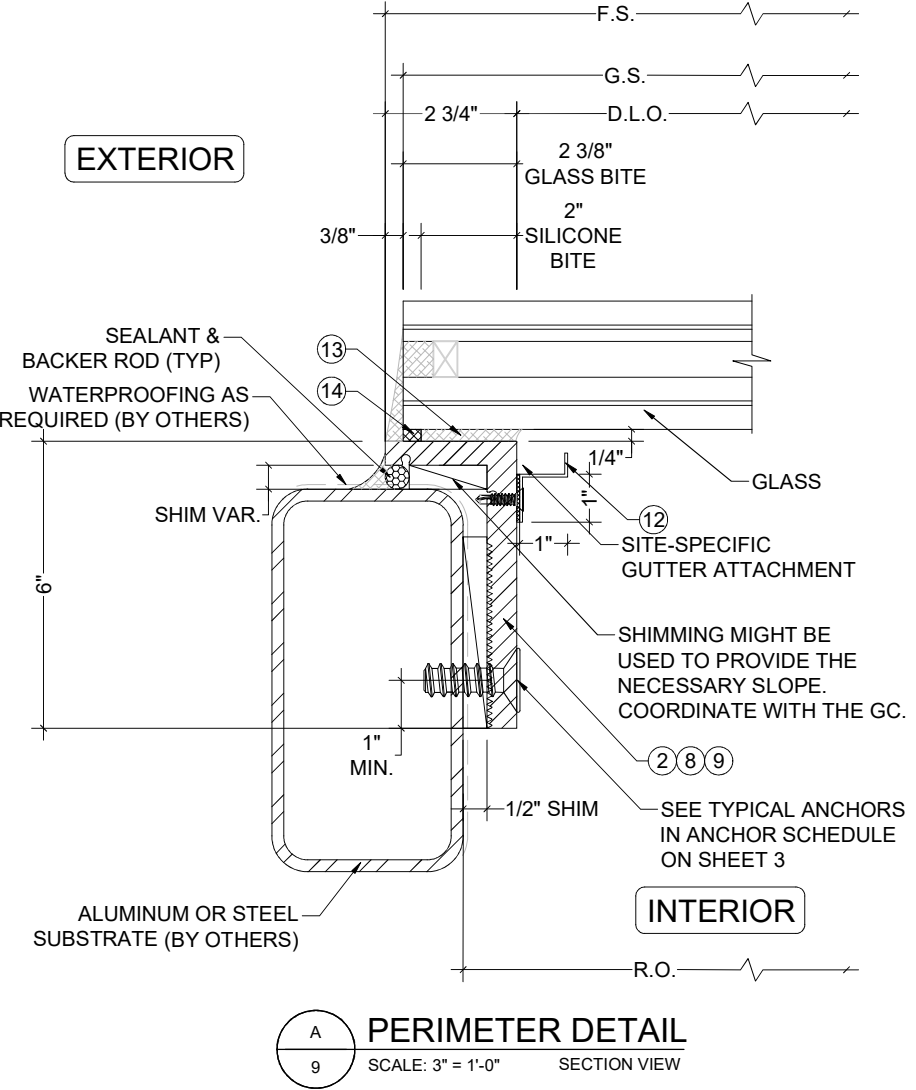
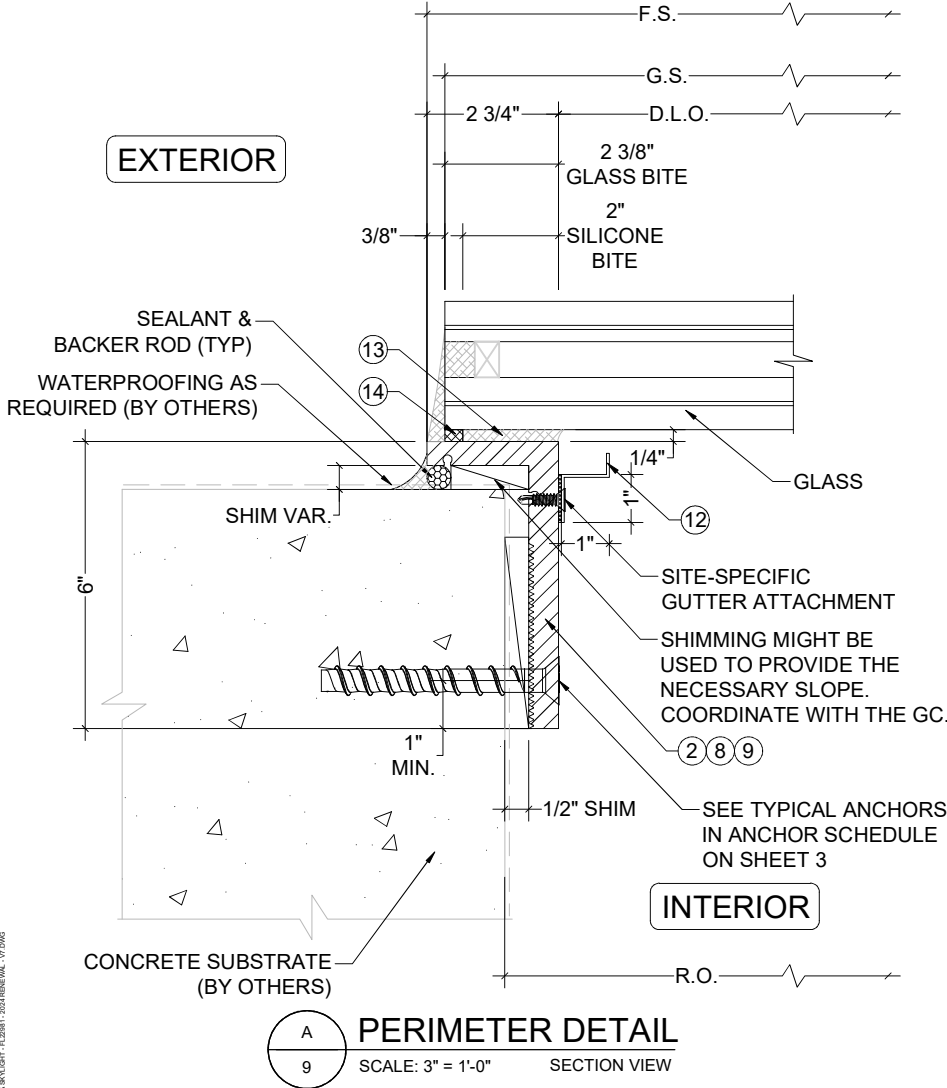
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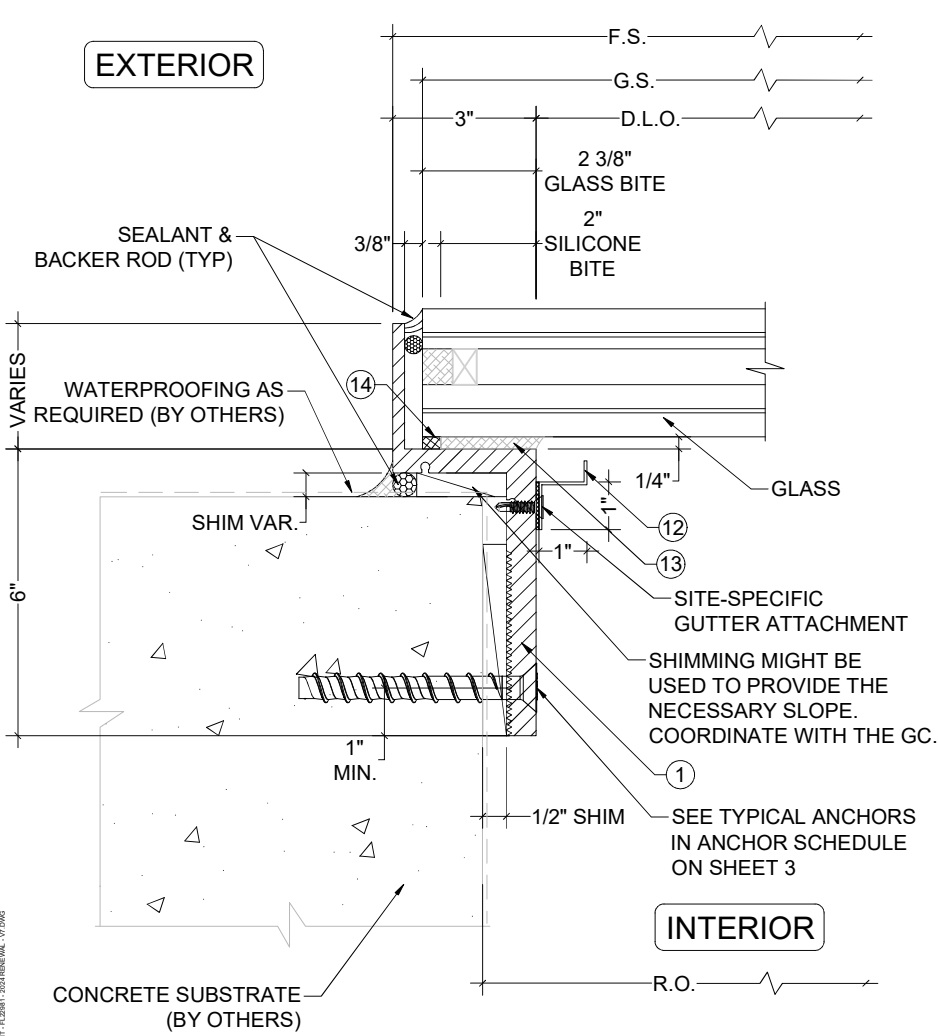
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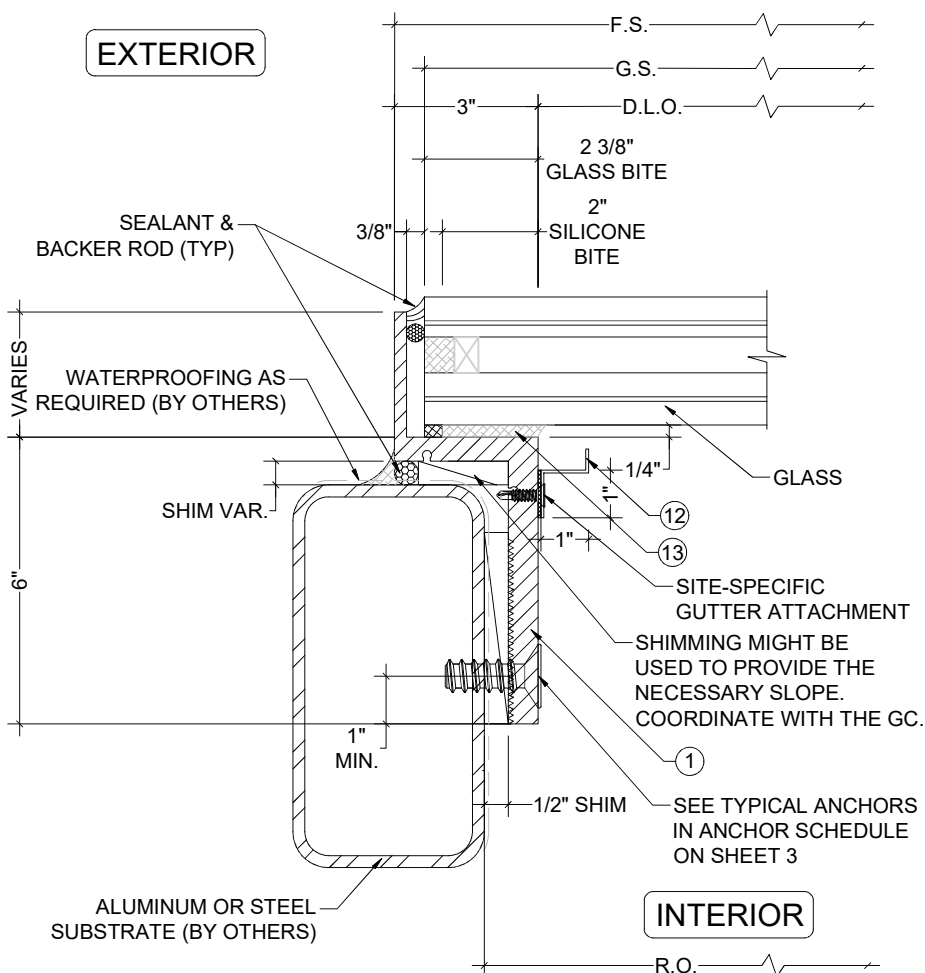
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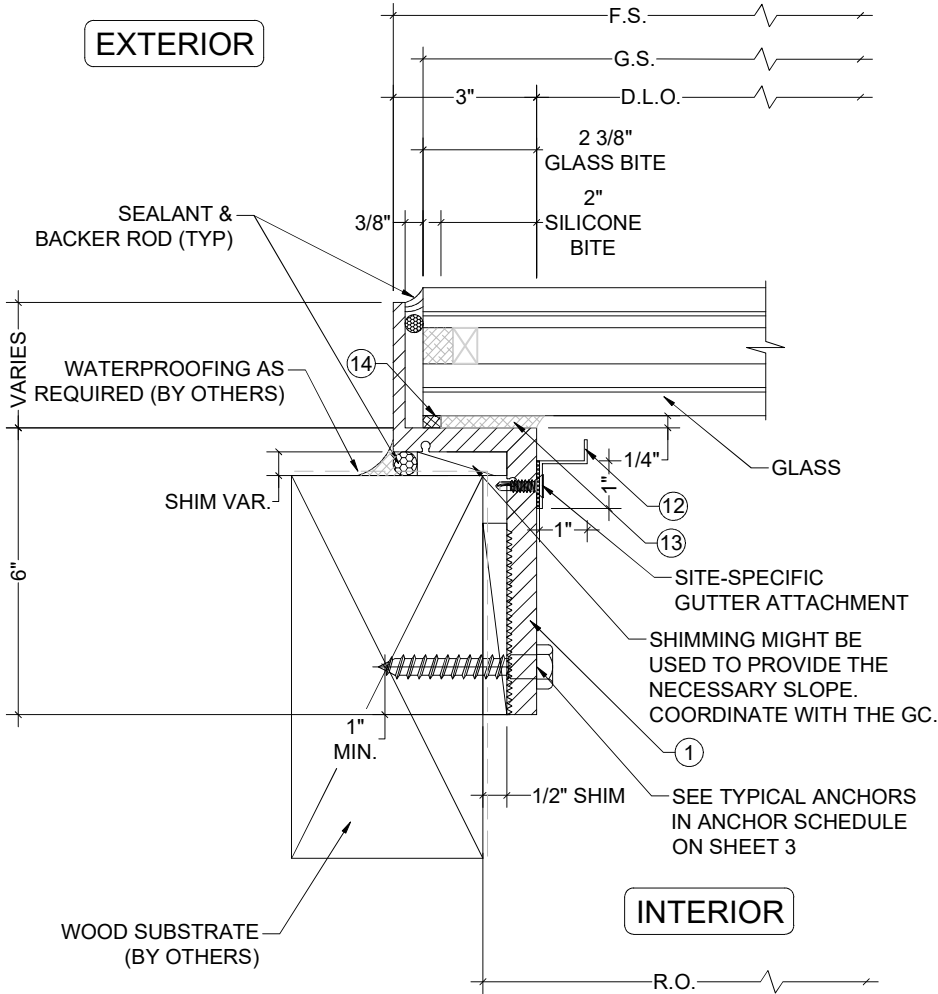
PERIMETER ATTACHMENT DETAILS



A
10
PERIMETER DETAIL
SCALE: 3" = 1'-0" SECTION VIEW



A
10
PERIMETER DETAIL
SCALE: 3" = 1'-0" SECTION VIEW



A
10
PERIMETER DETAIL
SCALE: 3" = 1'-0" SECTION VIEW

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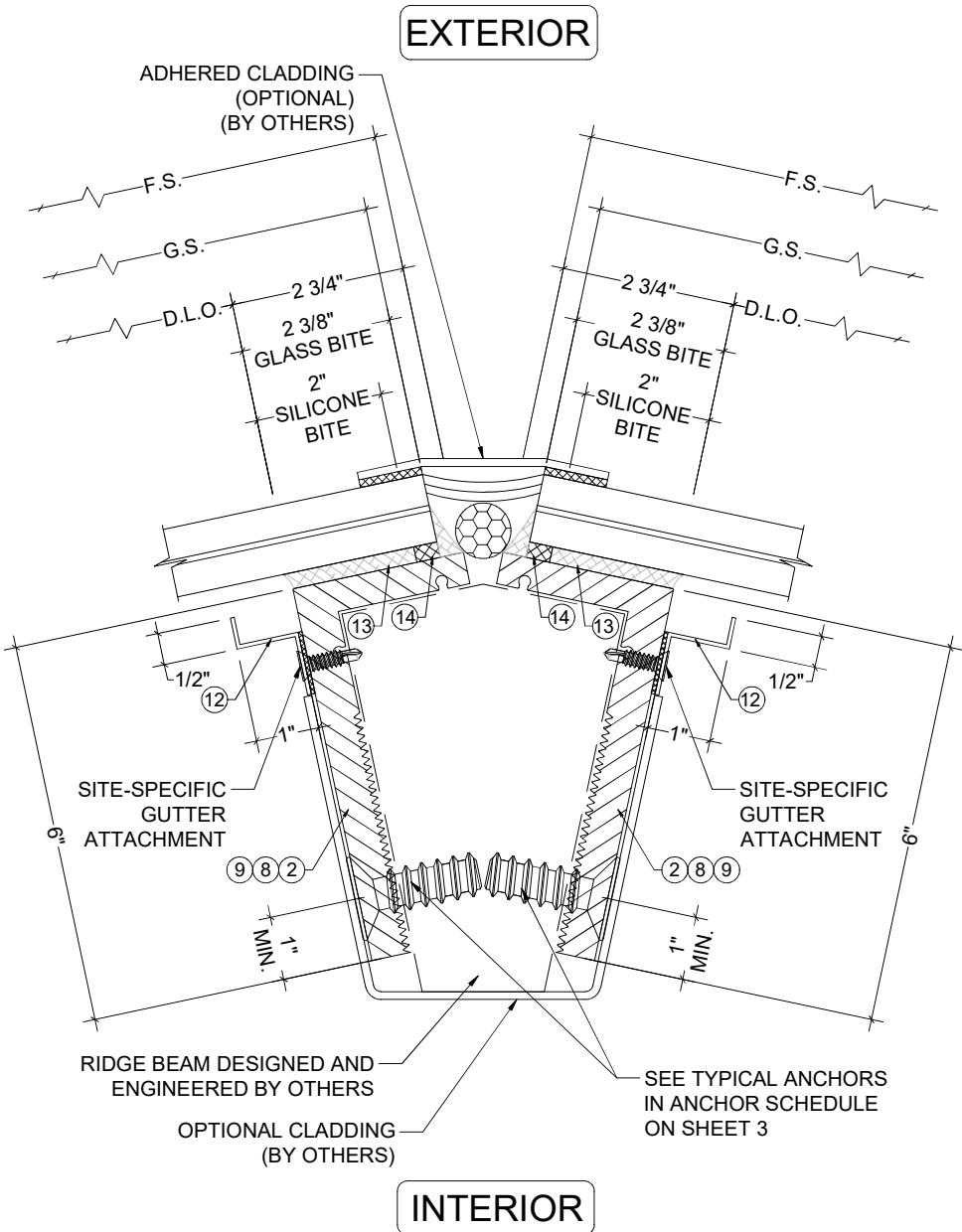
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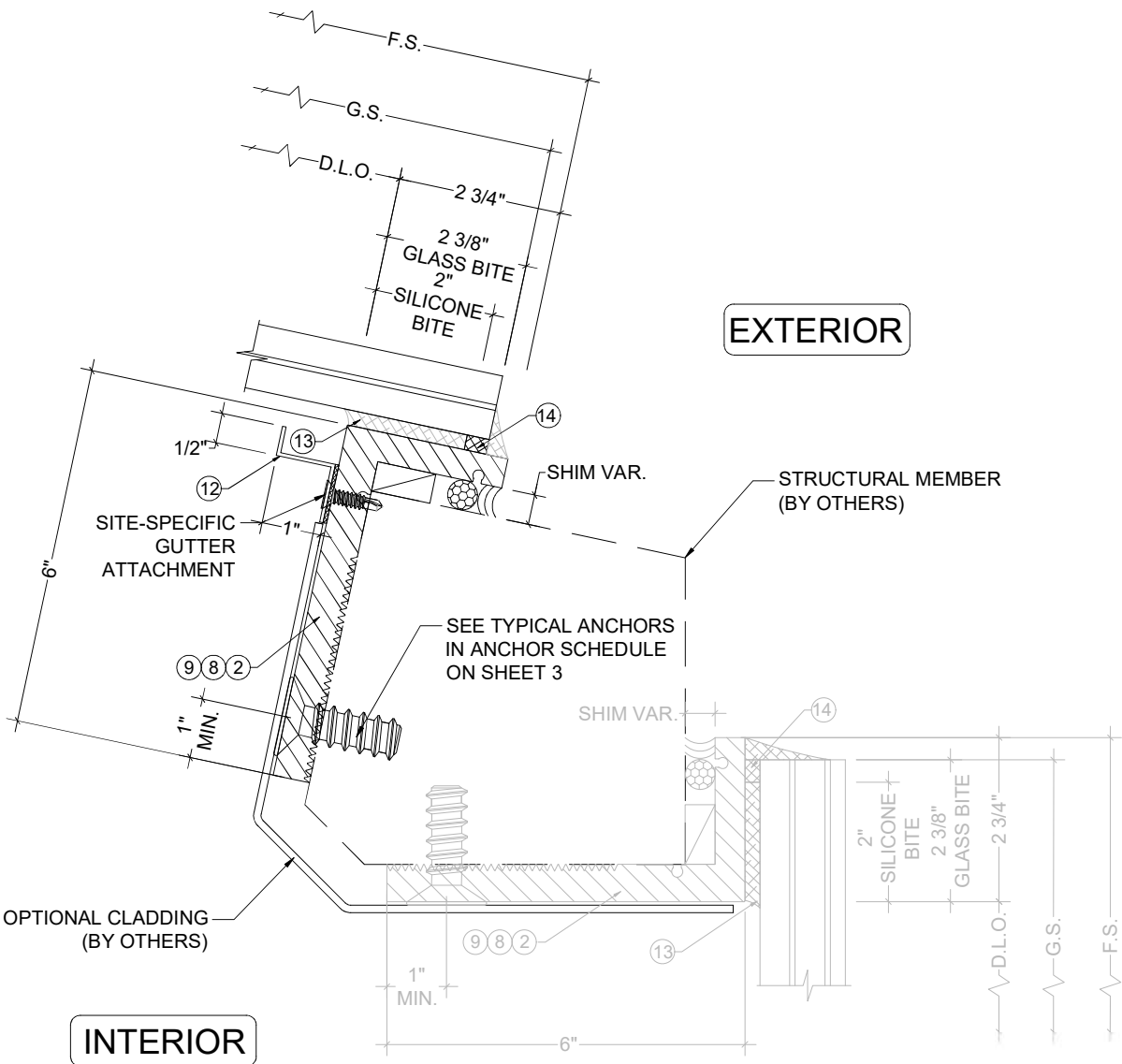
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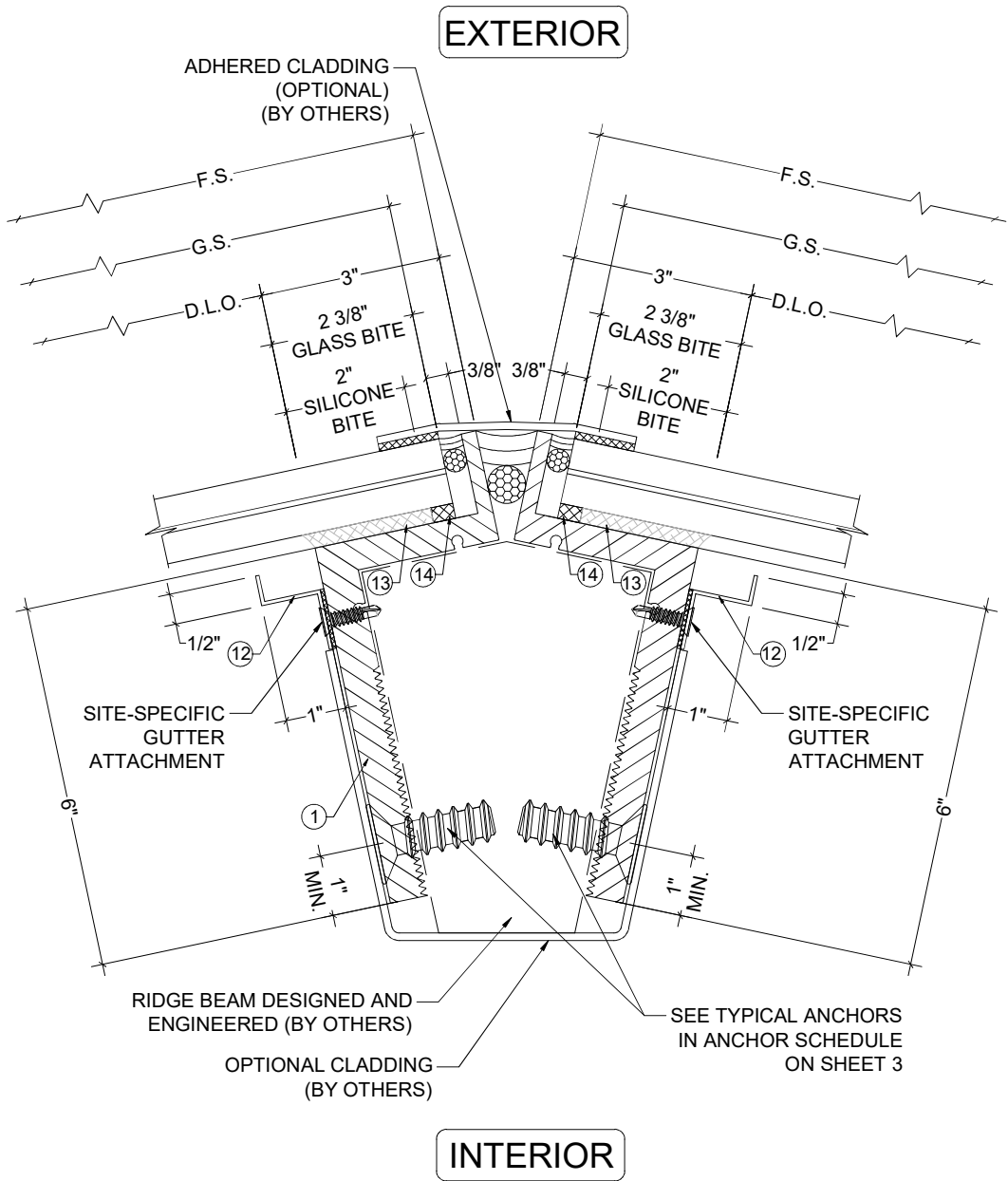
A
11
SKYLIGHT RIDGE ATTACHMENT DETAIL
SCALE: 4" = 1'-0" SECTION VIEW



B
11
SOLARIUM STRUCTURAL BREAK ATTACHMENT DETAIL
SCALE: 4" = 1'-0" SECTION VIEW

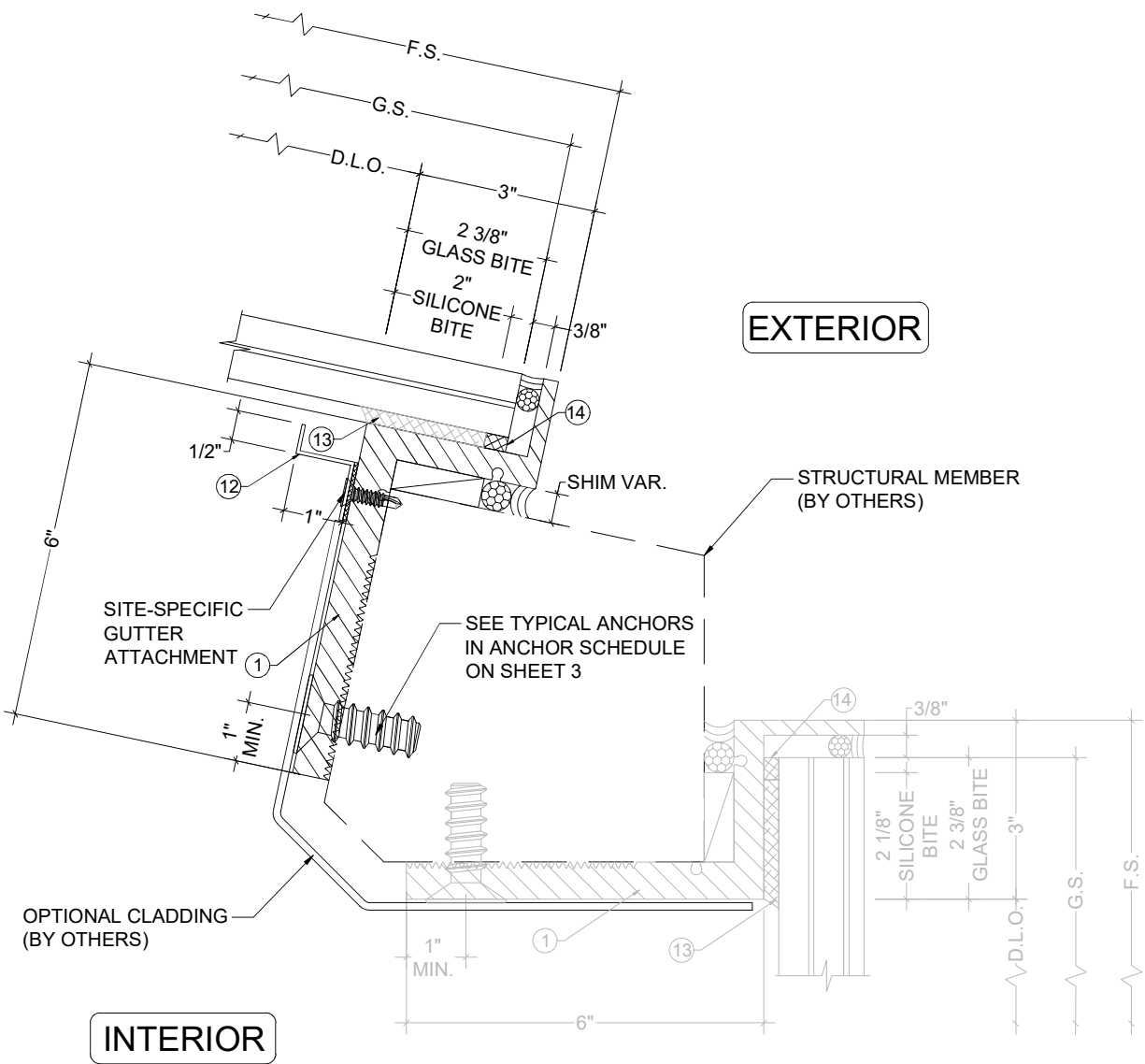
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PERIMETER ATTACHMENT DETAILS



A SKYLIGHT RIDGE ATTACHMENT DETAIL
SCALE: 4" = 1'-0" SECTION VIEW

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B SOLARIUM STRUCTURAL BREAK ATTACHMENT DETAIL
SCALE: 4" = 1'-0" SECTION VIEW

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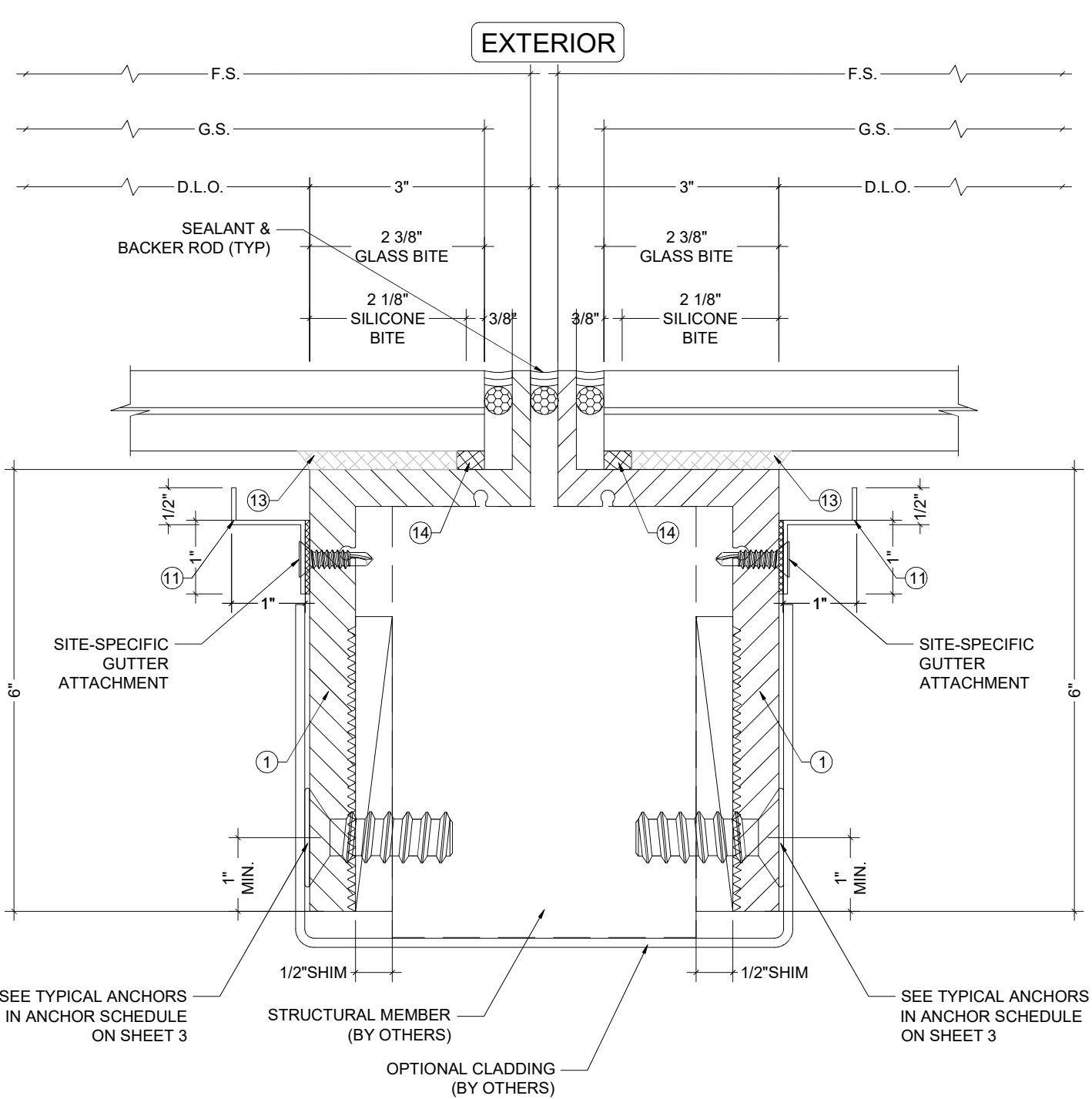
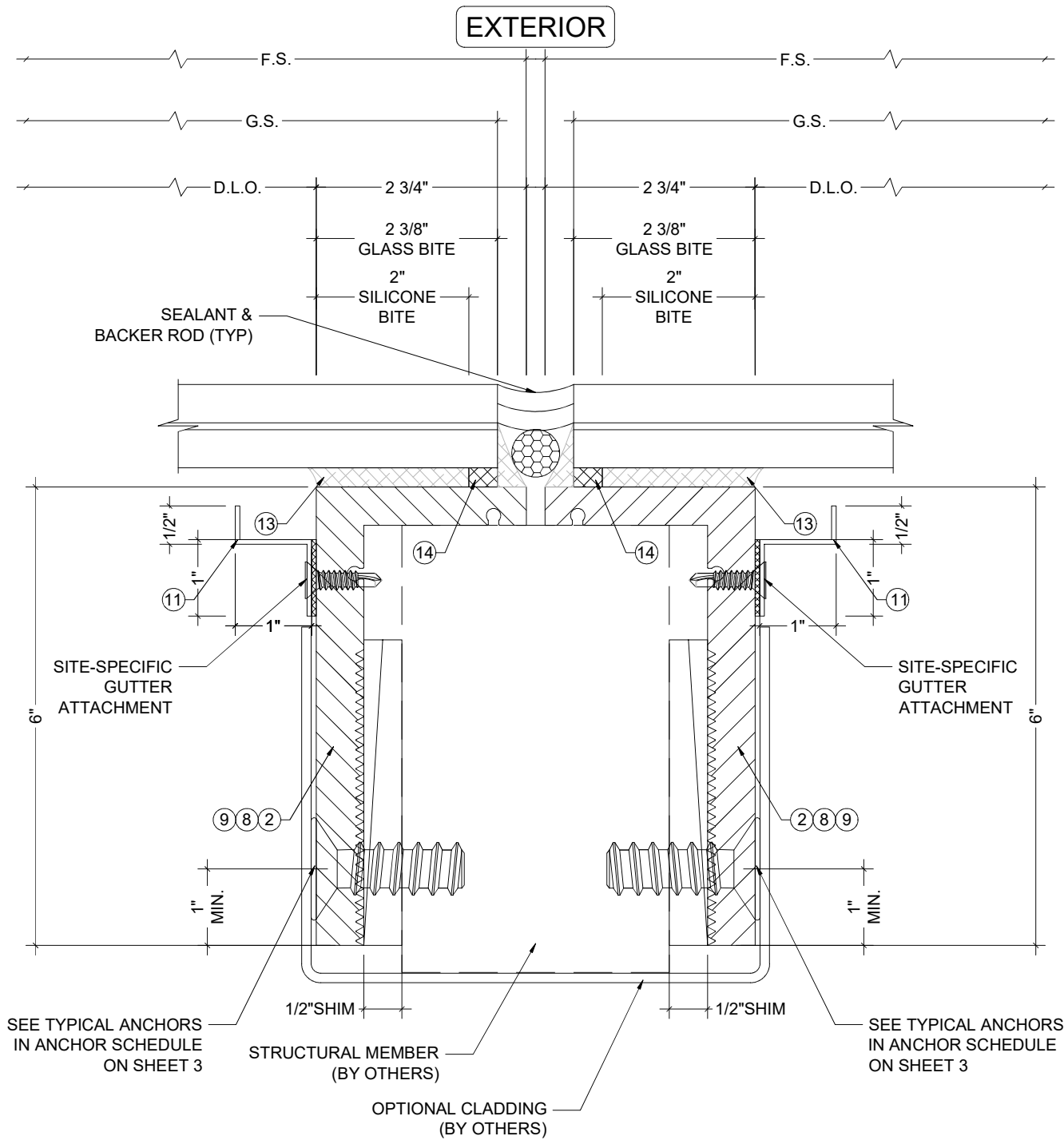
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PERIMETER ATTACHMENT DETAILS



ATTACHMENT DETAIL TO INTERMEDIATE STRUCTURAL MEMBER
SCALE: 6" = 1'-0"
SECTION VIEW

ATTACHMENT DETAIL TO INTERMEDIATE STRUCTURAL MEMBER
SCALE: 6" = 1'-0"
SECTION VIEW

- NOTES:**
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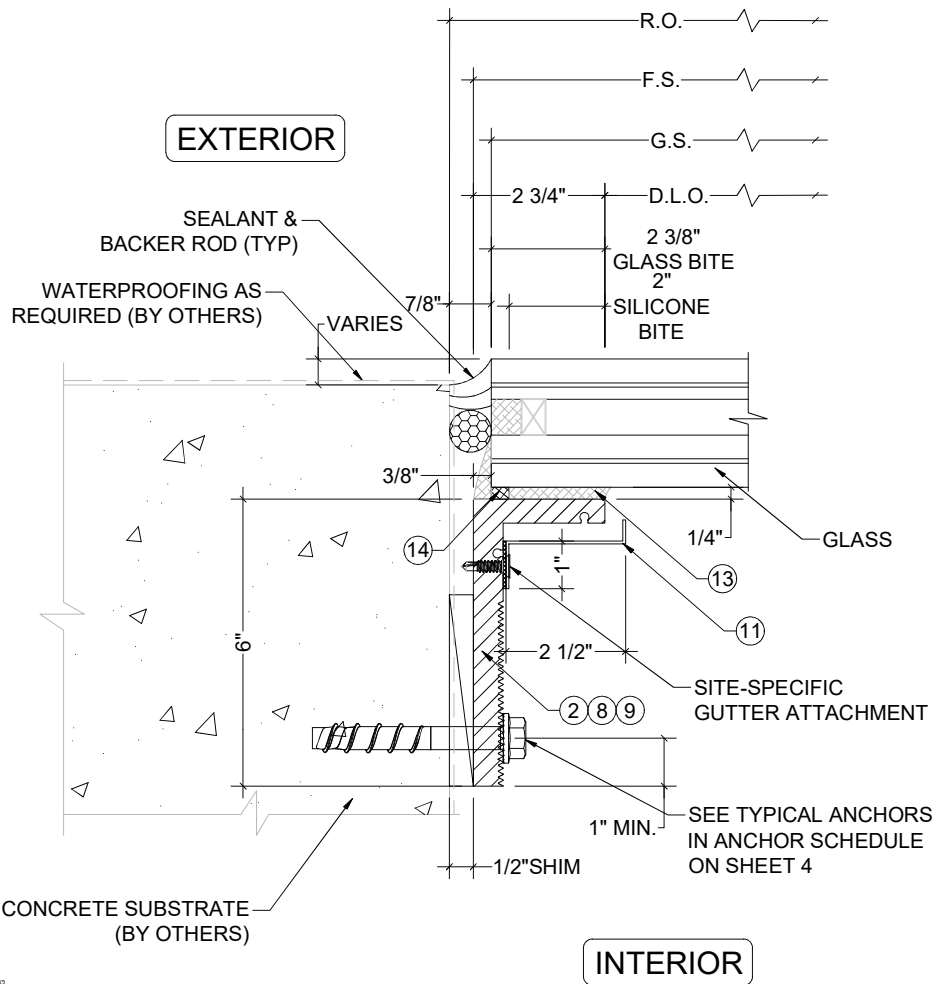
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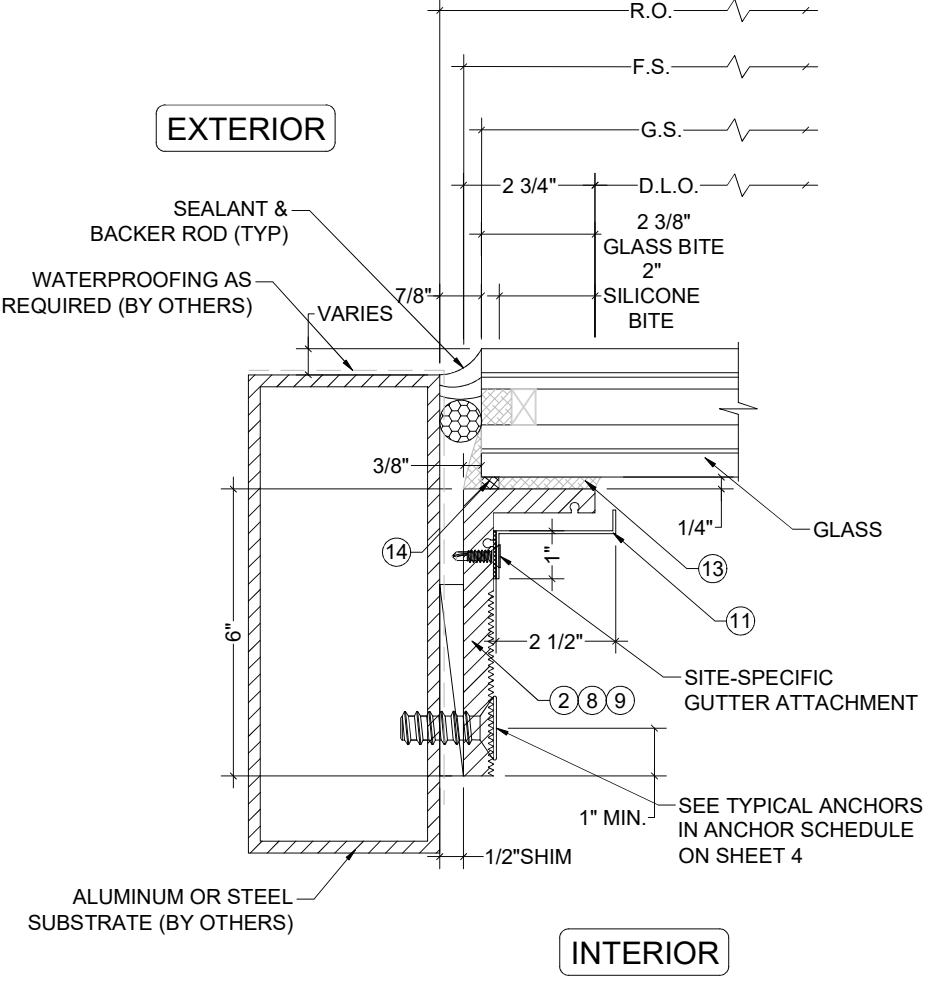
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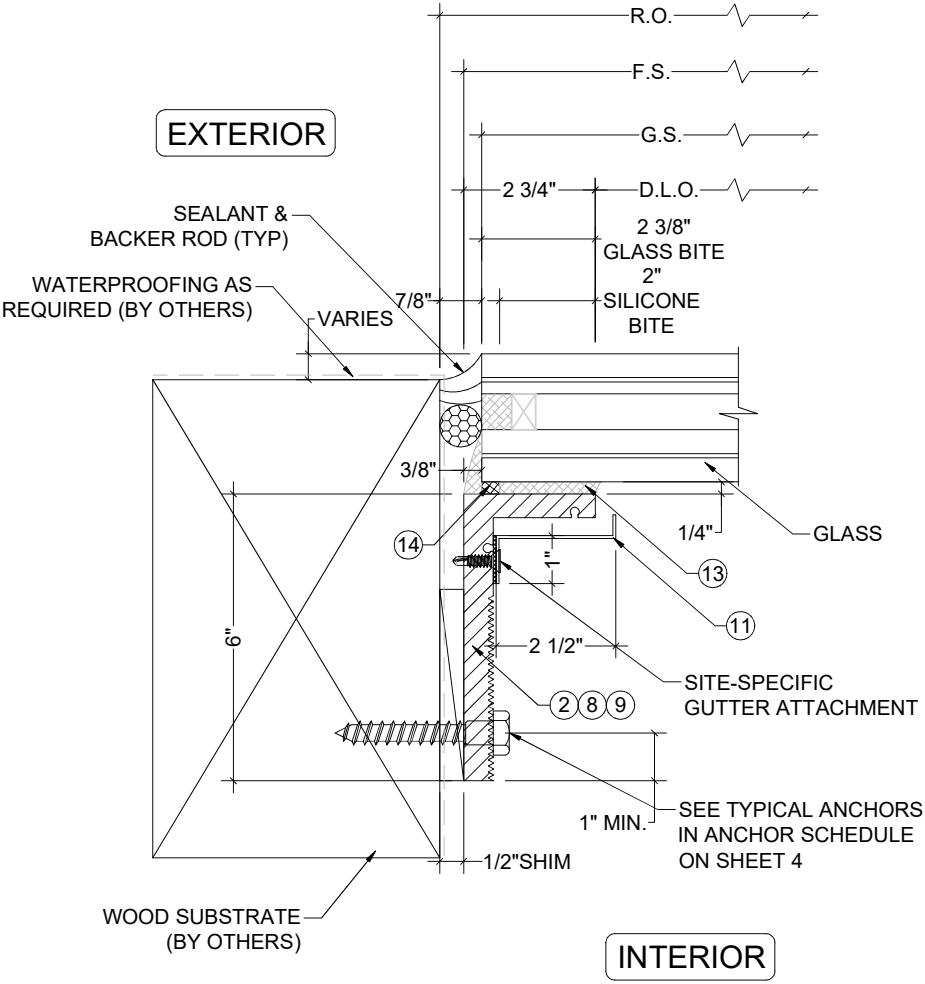
PERIMETER ATTACHMENT DETAILS



A PERIMETER DETAIL
14 SCALE: 3" = 1'-0" SECTION VIEW



A PERIMETER DETAIL
14 SCALE: 3" = 1'-0" SECTION VIEW



A PERIMETER DETAIL
14 SCALE: 3" = 1'-0" SECTION VIEW

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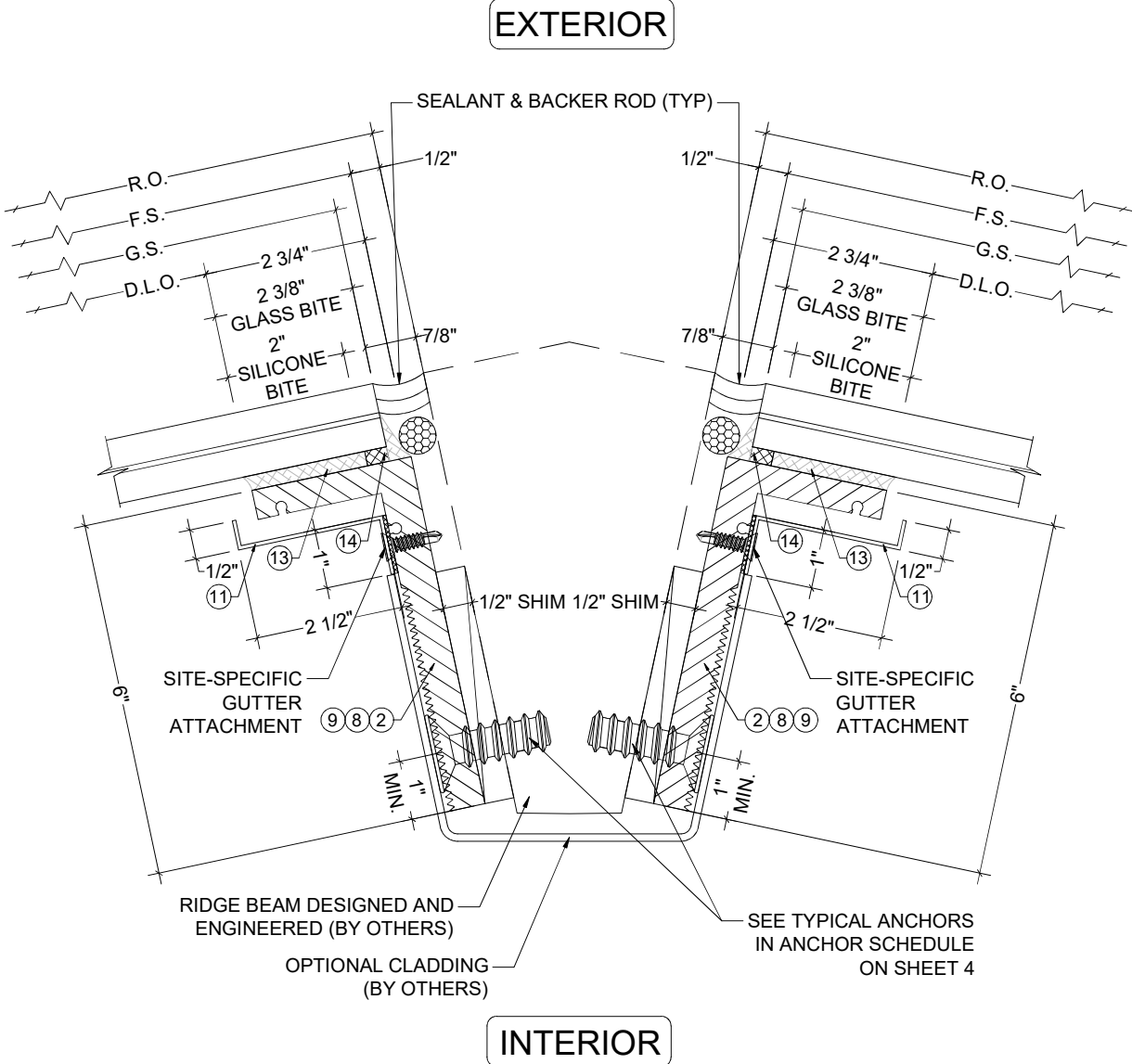
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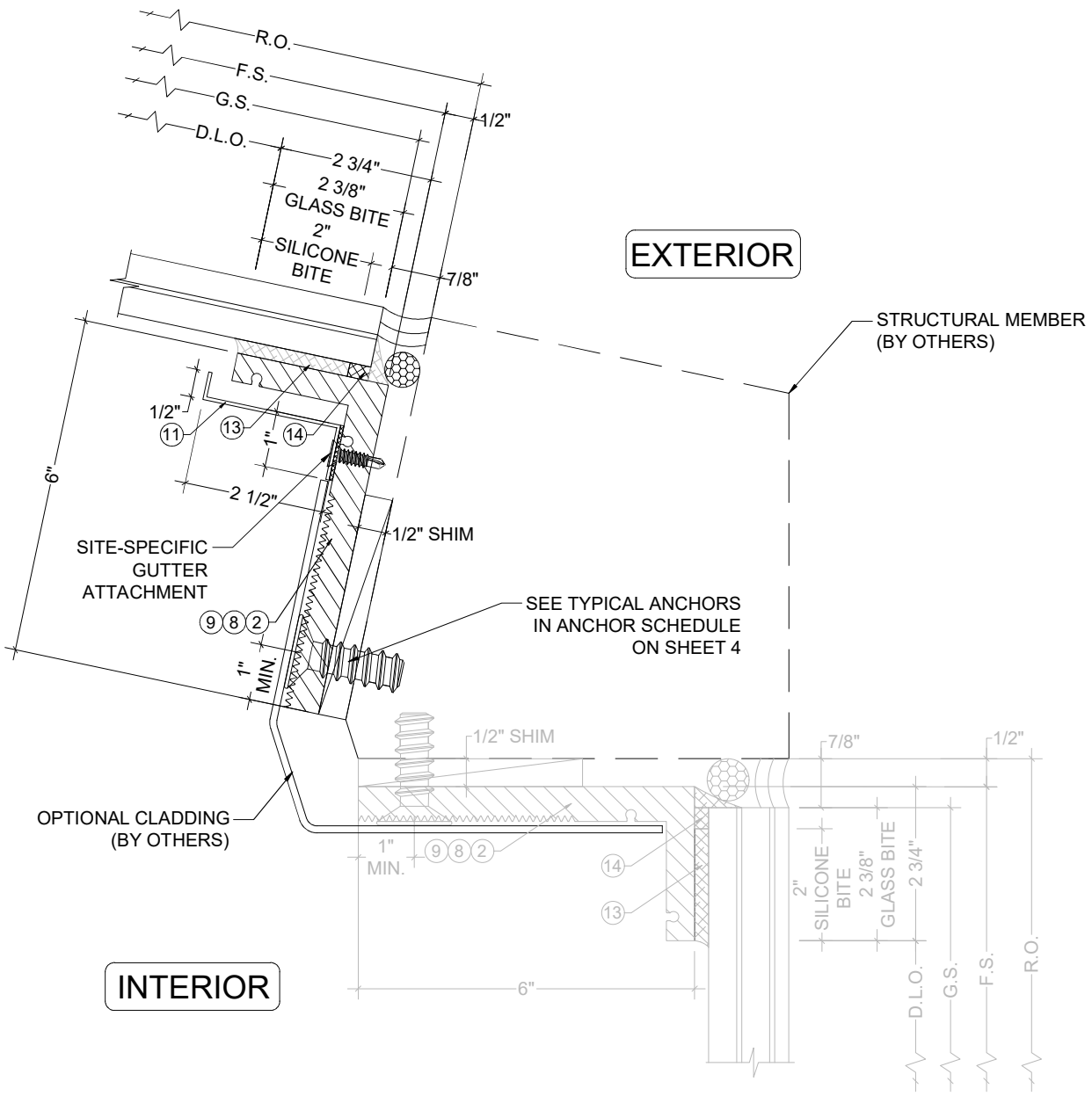
SHEET:
14 OF 22

PERIMETER ATTACHMENT DETAILS



SKYLIGHT RIDGE ATTACHMENT DETAIL

A 15 SCALE: 4" = 1'-0" SECTION VIEW



SOLARIUM STRUCTURAL BREAK ATTACHMENT DETAIL

B 15 SCALE: 4" = 1'-0" SECTION VIEW

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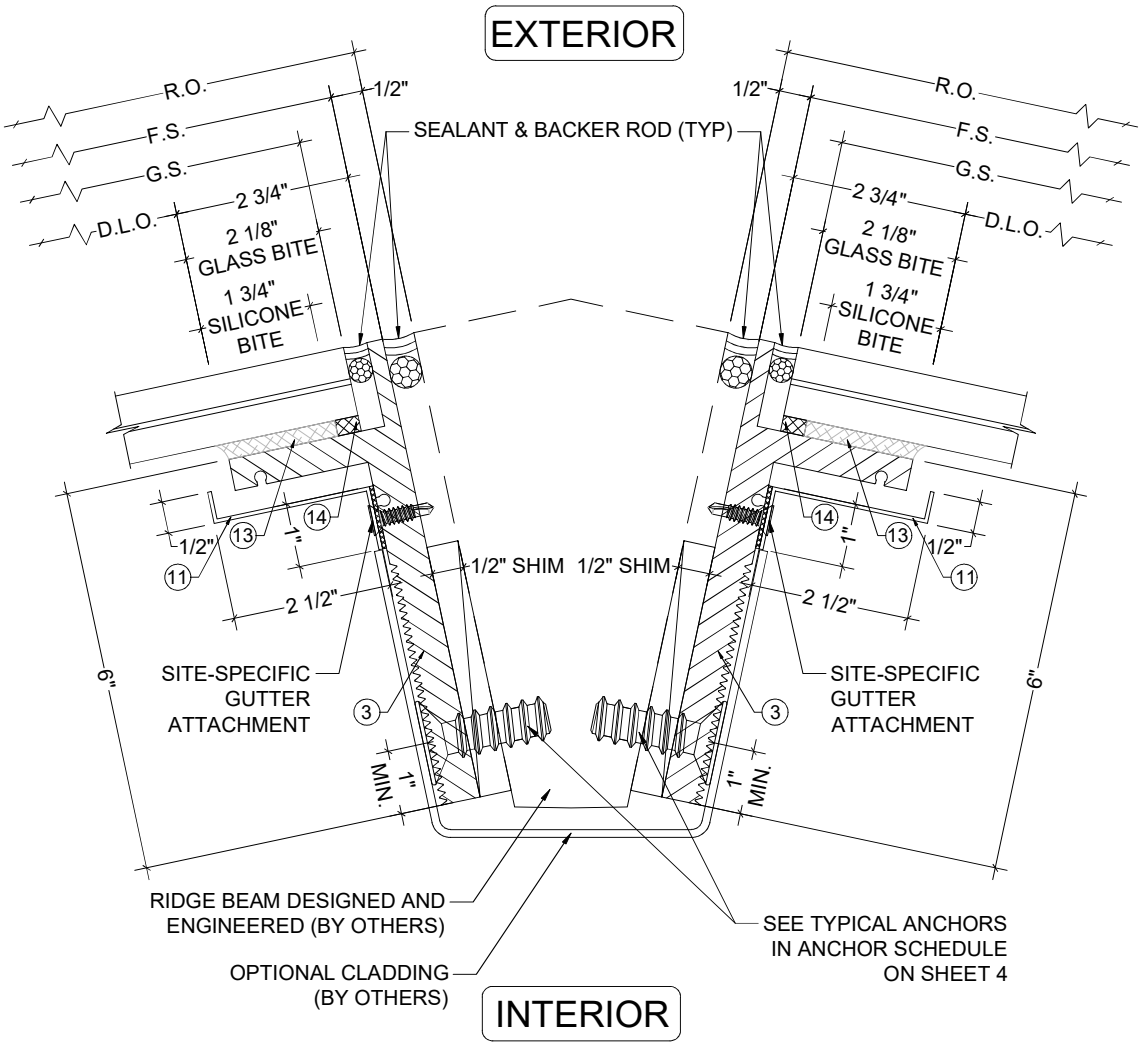


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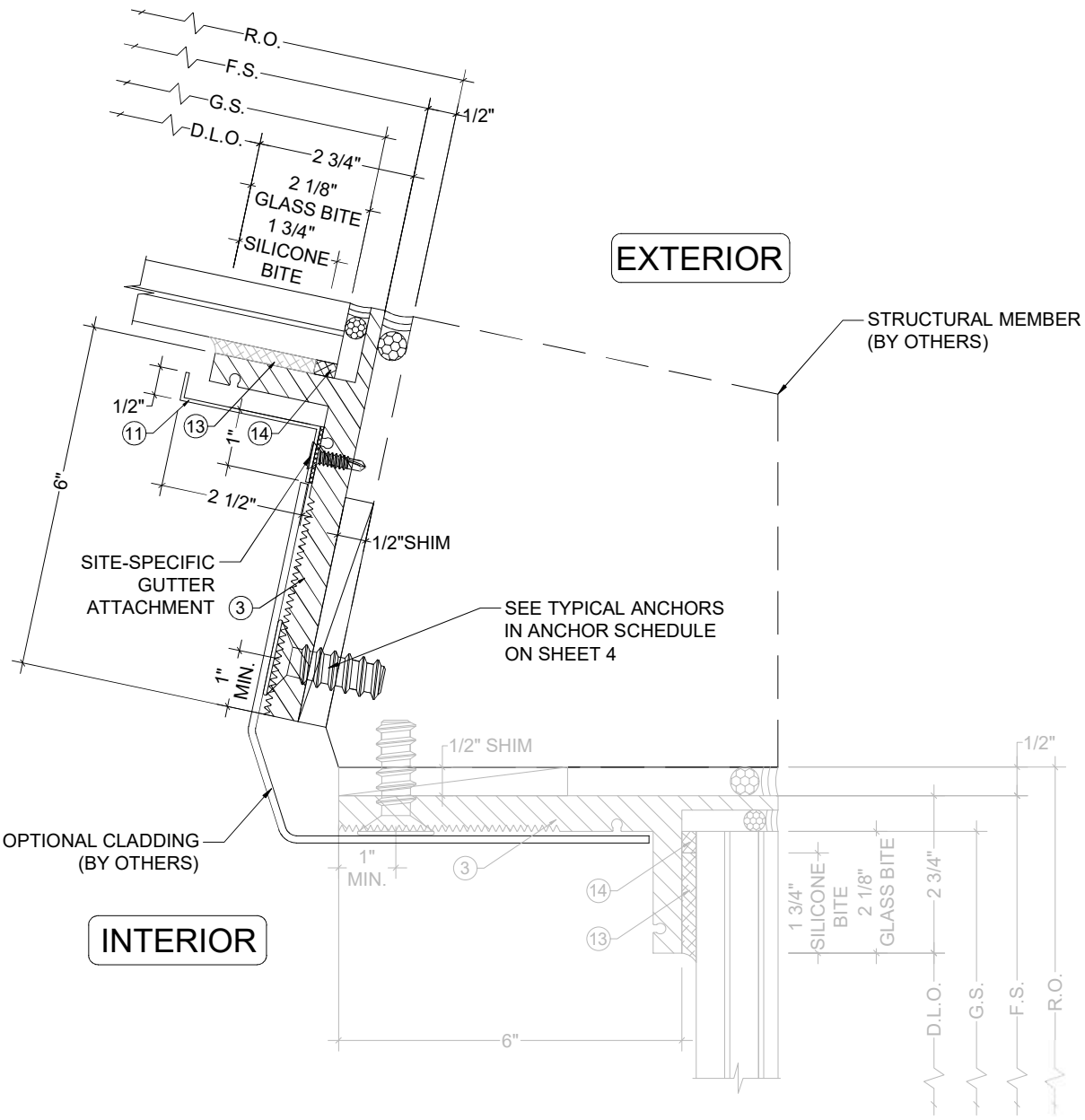
SHEET:
15 OF 22

PERIMETER ATTACHMENT DETAILS



A
16
SKYLIGHT RIDGE
ATTACHMENT DETAIL
SCALE: 4" = 1'-0" SECTION VIEW

- NOTES:**
- SITE SPECIFIC SUBSTRATES ARE PERMITTED TO DEVIATE FROM WHAT IS SHOWN IN THE APPROVAL, PROVIDED THAT SITE SPECIFIC CALCULATIONS HAVE BEEN PERFORMED AND ARE CERTIFIED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.
 - ALL SUBSTRATES ARE INTERCHANGEABLE, AND ALL GLAZING DETAILS CAN BE USED ON ANY SUBSTRATE AND FRAME CONFIGURATION.
 - ALL WATERPROOFING REQUIREMENTS ARE NOT INCLUDED IN THIS CERTIFICATION.
 - EDGE PROTECTION LENGTH VARIES BASED ON THE GLASS MAKEUP.



B
16
SOLARIUM STRUCTURAL BREAK
ATTACHMENT DETAIL
SCALE: 4" = 1'-0" SECTION VIEW

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FT LAUDERDALE, FL 33309

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(MISSILE LEVEL D) / WALKABLE / FIRE RESISTANT
FLORIDA STATE PRODUCT APPROVAL FL # 22981.1

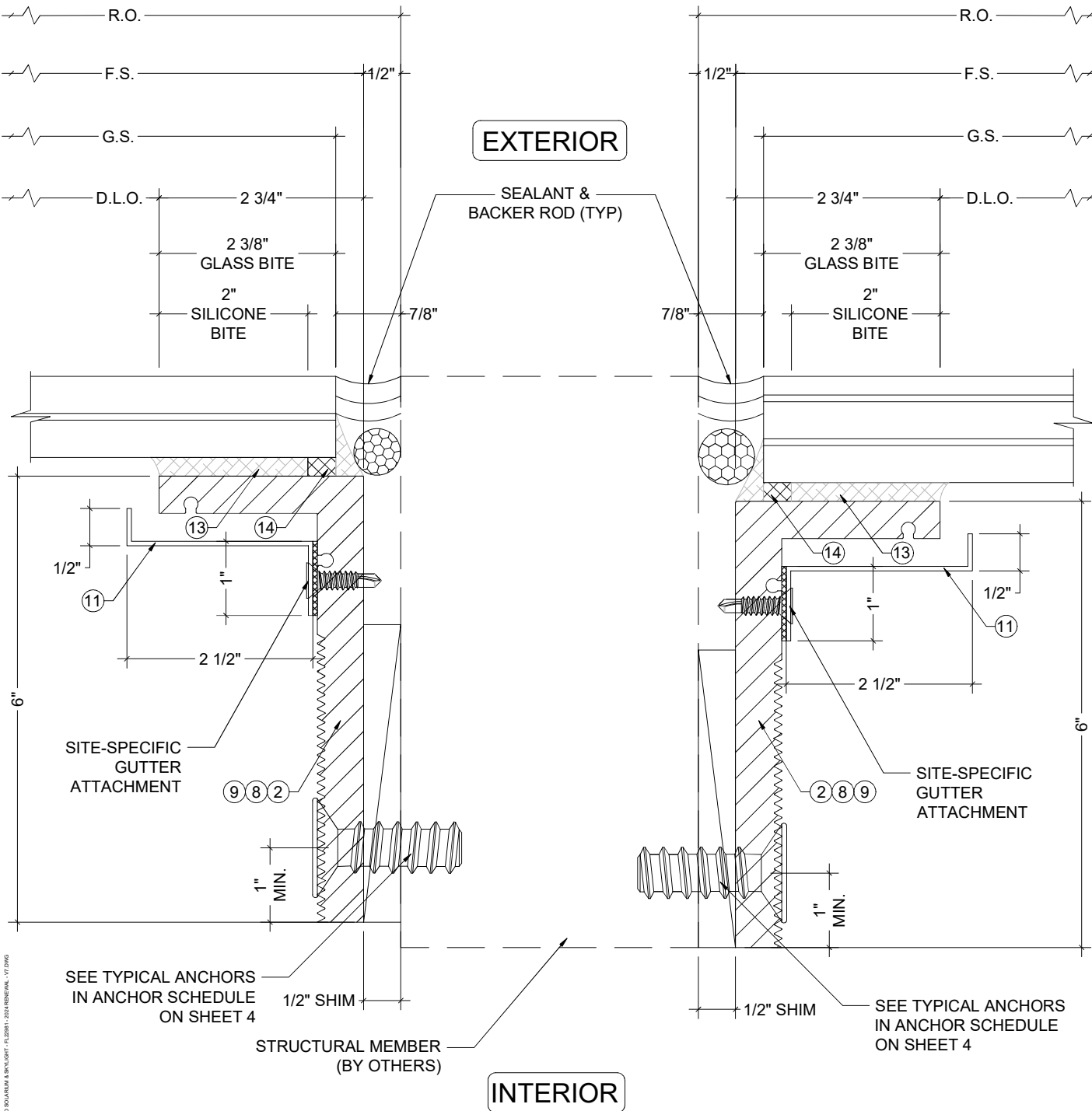
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PEMBROKE PINES, FL 33027
OFFICE@DOPENENGINEERING.COM
REGISTRY No. 34110

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No PE82328 11/2/23
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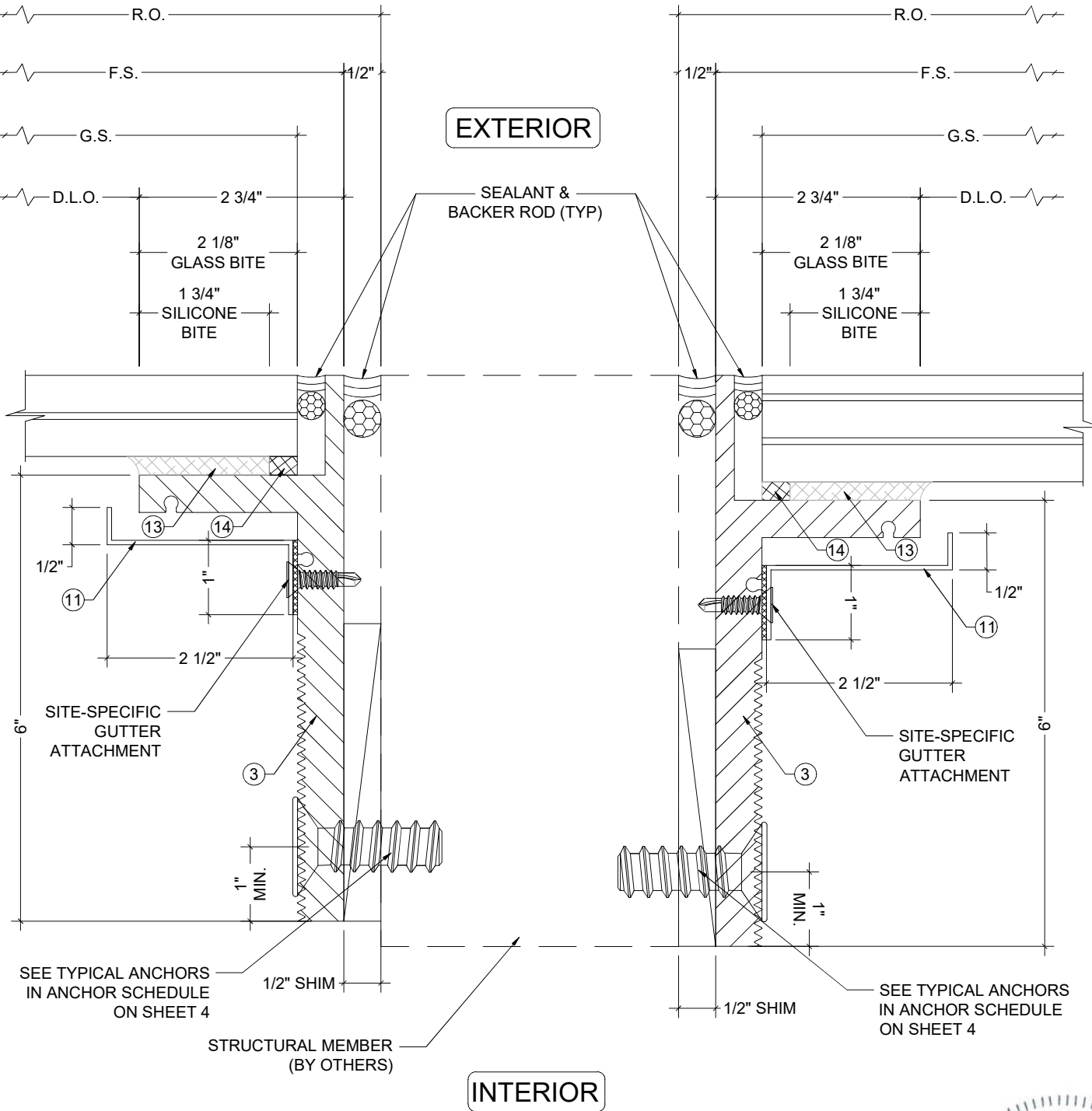
SHEET:
16 OF 22

PERIMETER ATTACHMENT DETAILS



A
17
ATTACHMENT DETAIL TO
INTERMEDIATE STRUCTURAL MEMBER
SCALE: 6" = 1'-0"
SECTION VIEW

- NOTES:**
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A
17
ATTACHMENT DETAIL TO
INTERMEDIATE STRUCTURAL MEMBER
SCALE: 6" = 1'-0"
SECTION VIEW

DATE	DESCRIPTION	DRWN	CHKD
11/2/23	FBC 2023 UP	GV	HN

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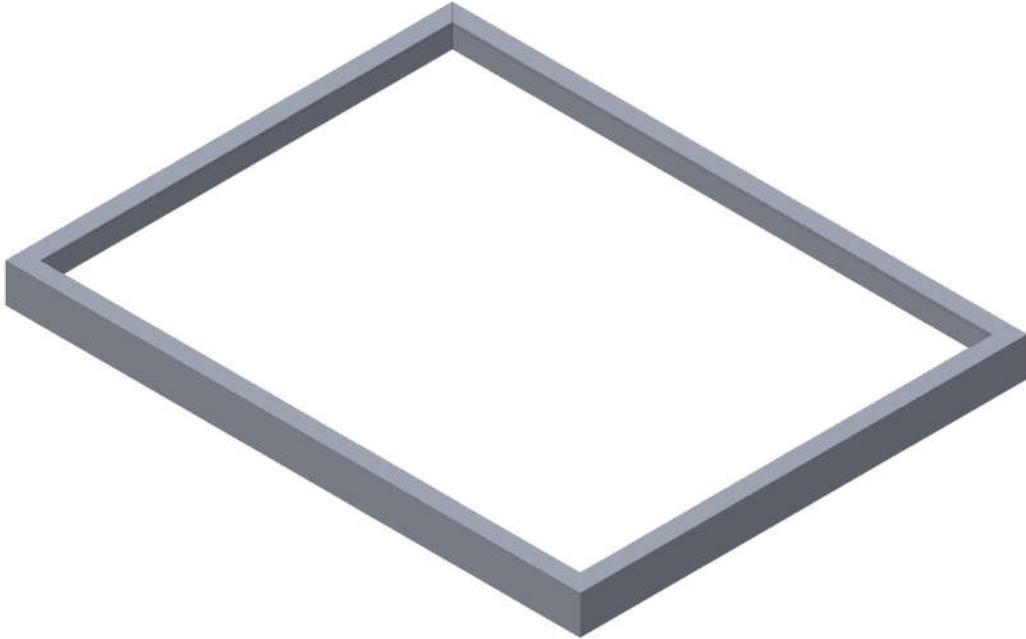
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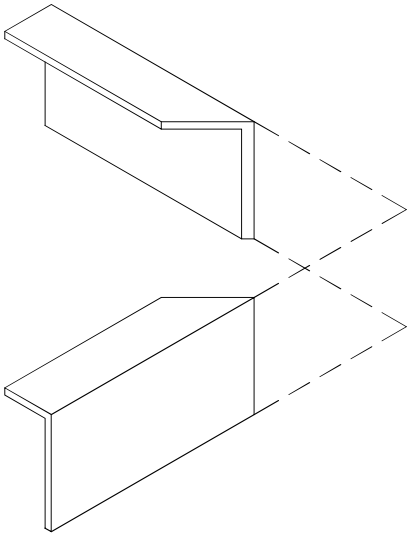
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17 OF 22

FRAME CORNER ASSEMBLY

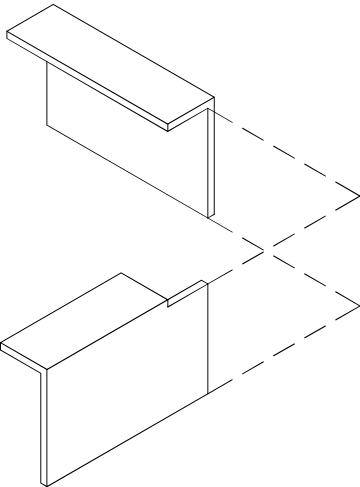
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304 OR 316 STAINLESS STEEL).



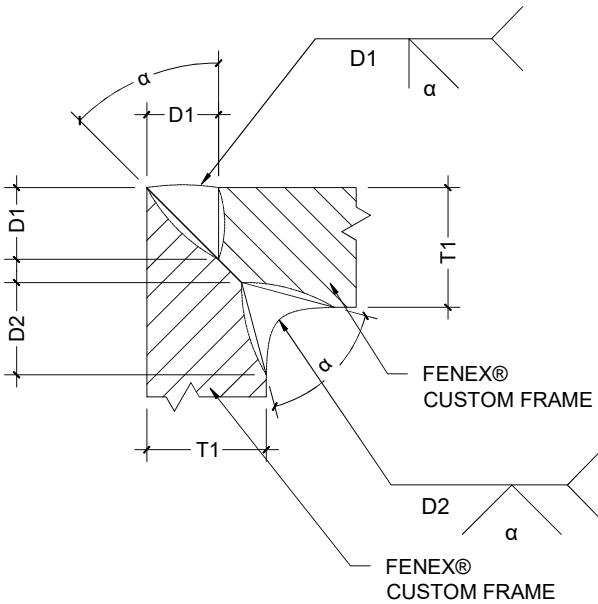
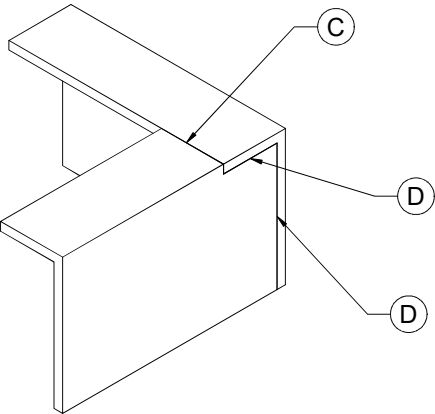
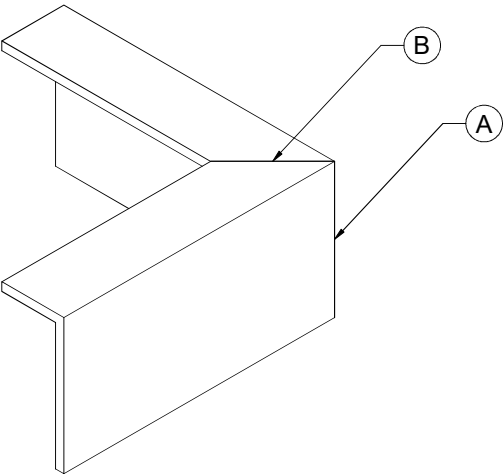
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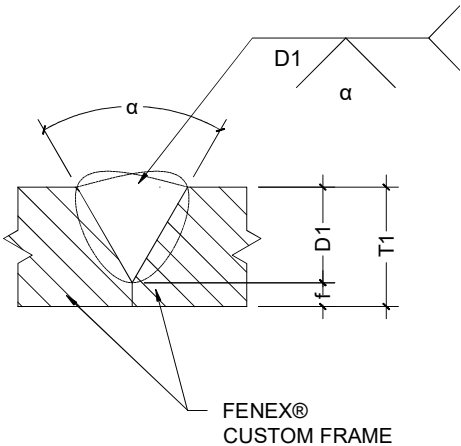
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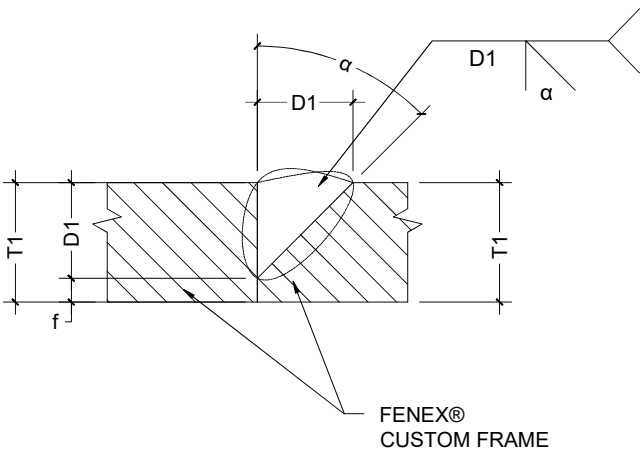
ALT. CORNER ASSEMBLY



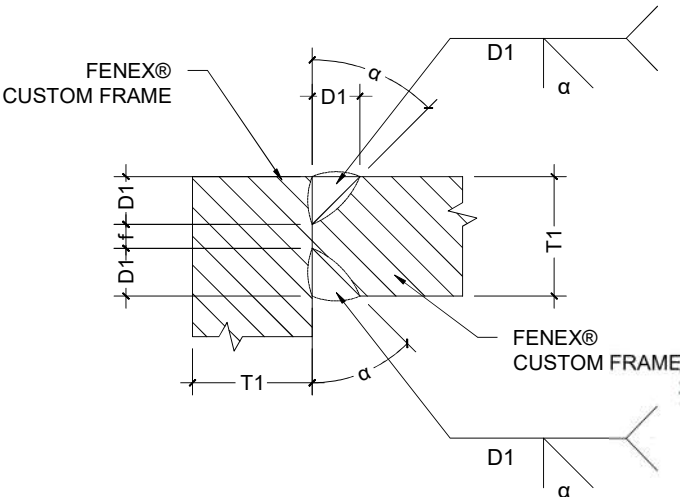
WELD SECTION "A"



WELD SECTION "B"



WELD SECTION "C"



WELD SECTION "D"

TYP. CORNER WELDING DETAILS

DATE	DESCRIPTION	DRWN	CHKD
11/2/23	FBC 2023 UP	GV	HN

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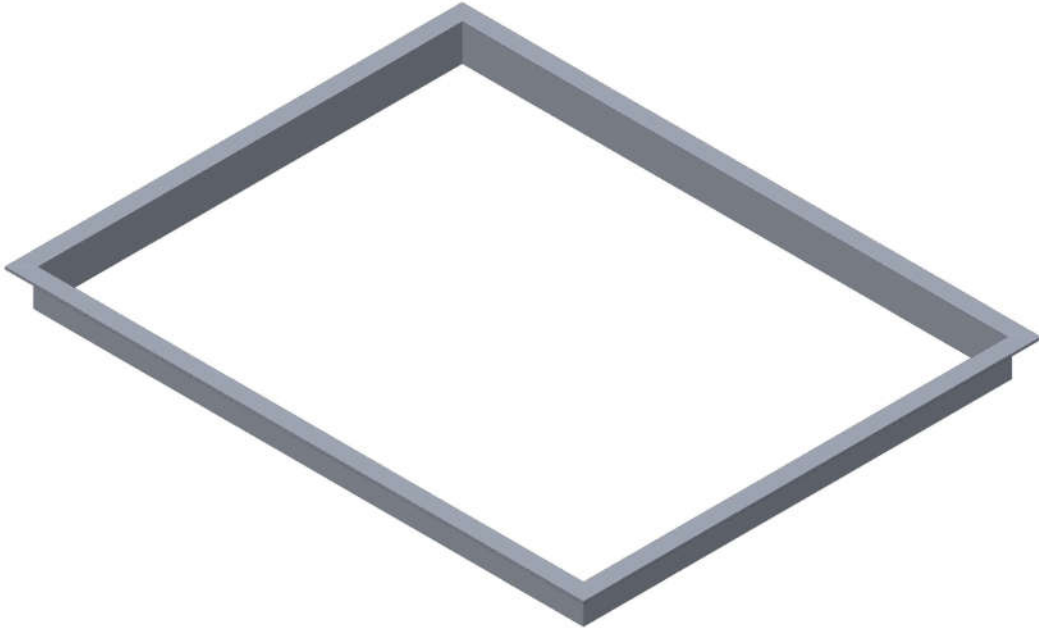
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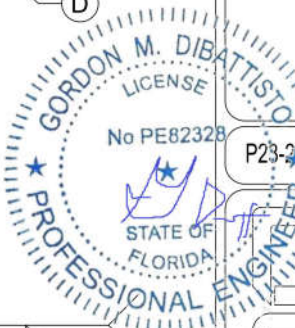
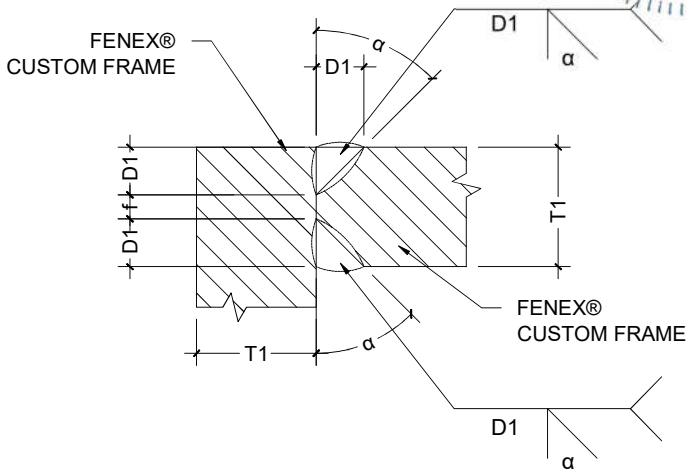
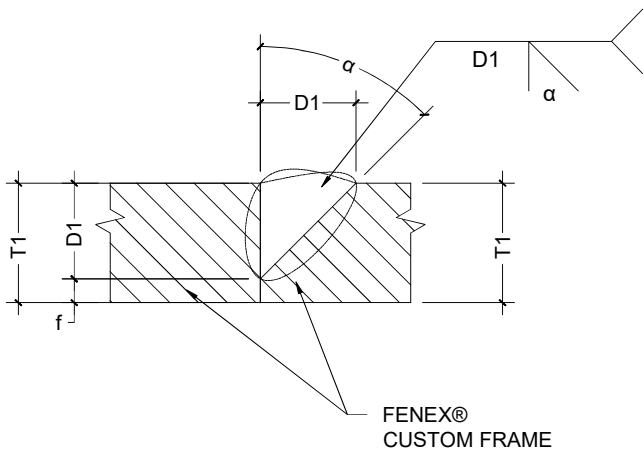
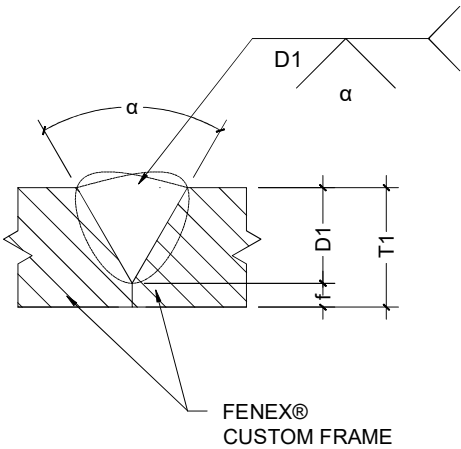
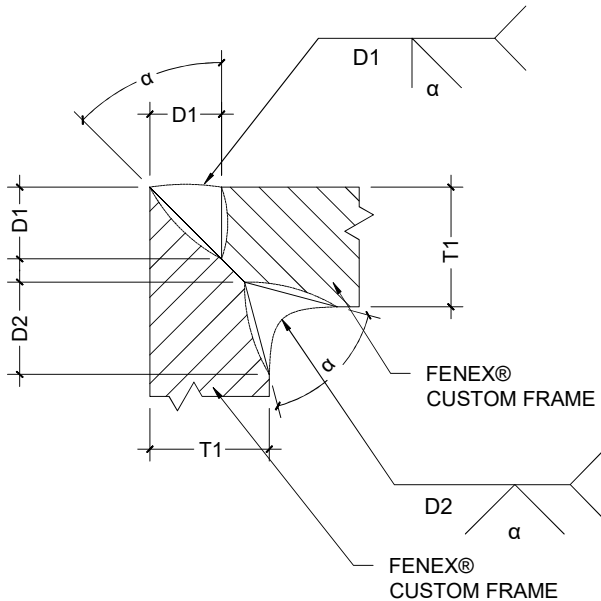
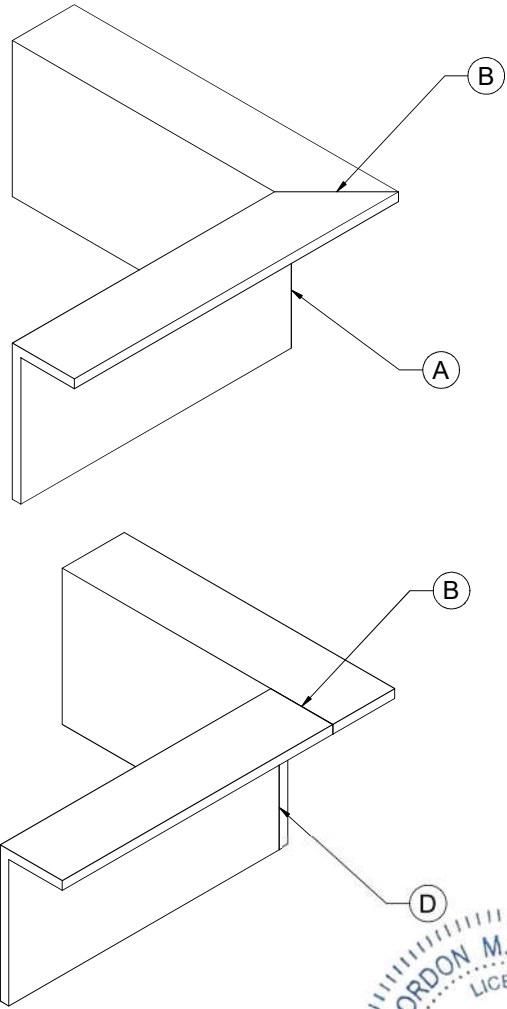
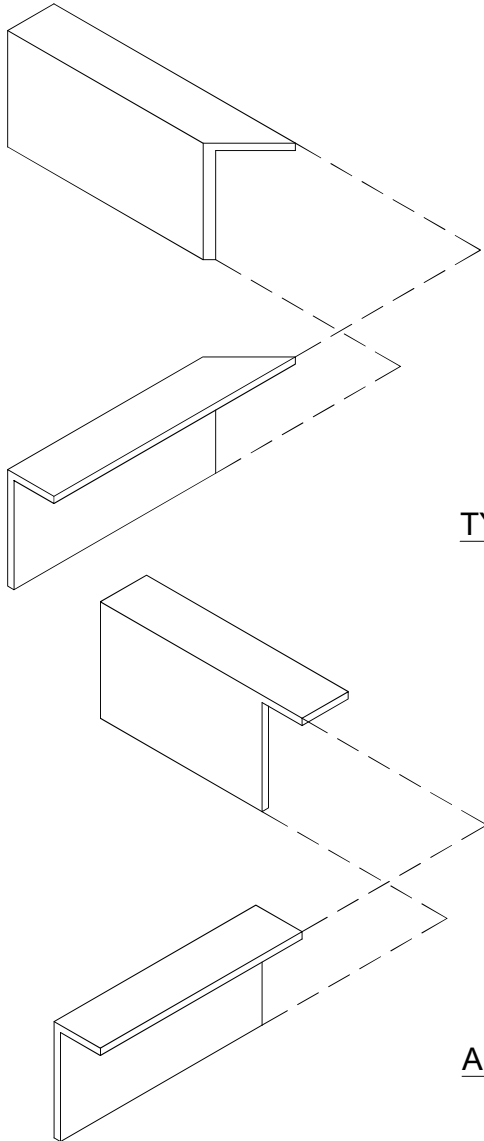
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FRAME CORNER ASSEMBLY

NOTE:
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304 OR 316 STAINLESS STEEL).



SKYLIGHT ASSEMBLY (TYP.)



DATE	DESCRIPTION	DRWN	CHKD
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REGISTRY No. 34110

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P.E. No. 82328 (FL)

11/2/23

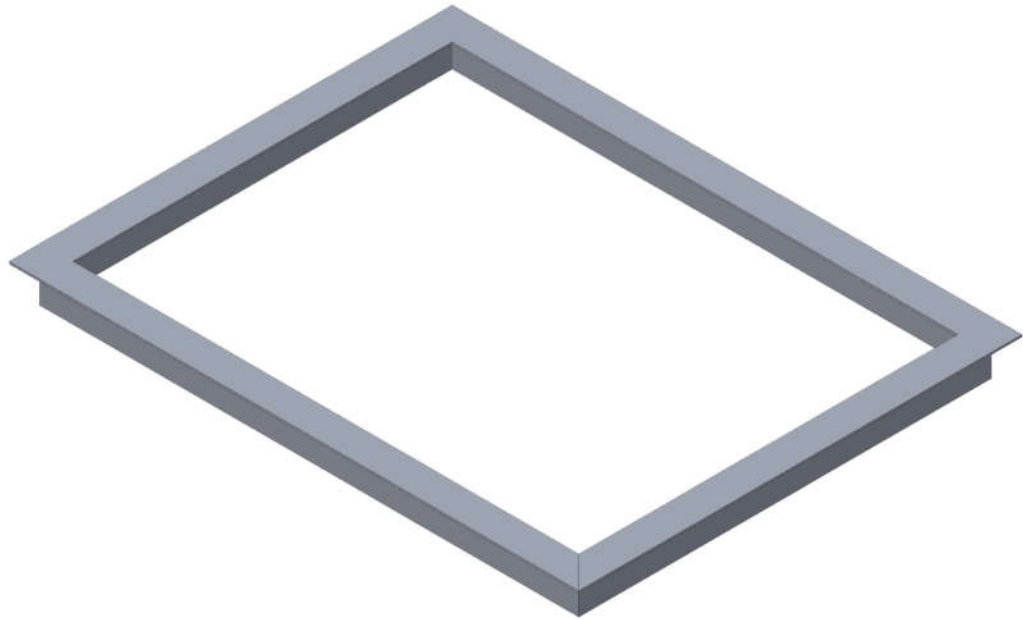
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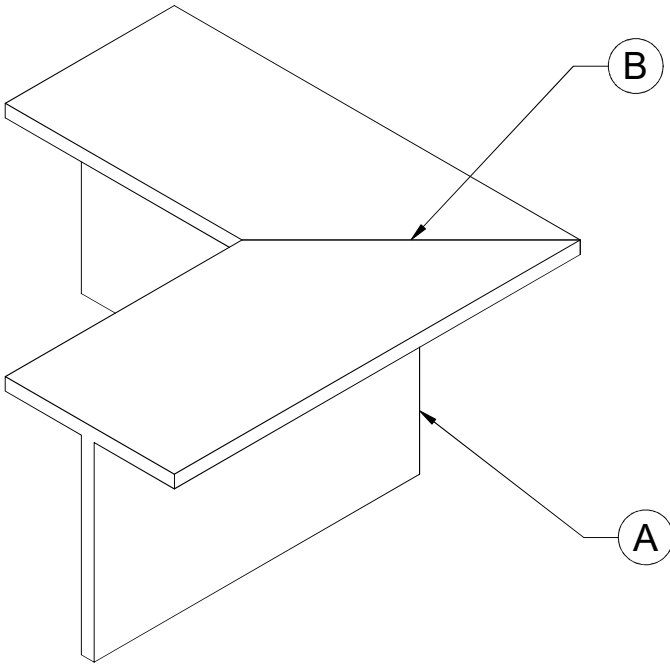
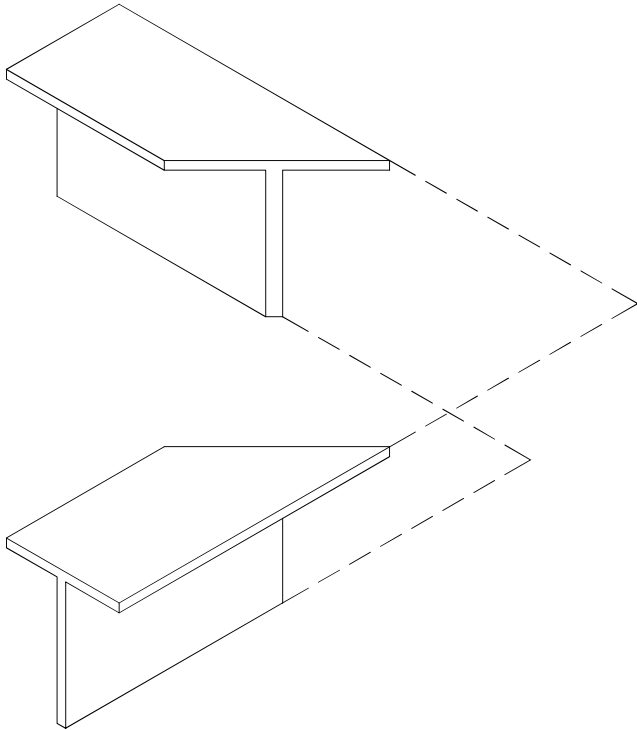
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19 OF 22

FRAME CORNER ASSEMBLY

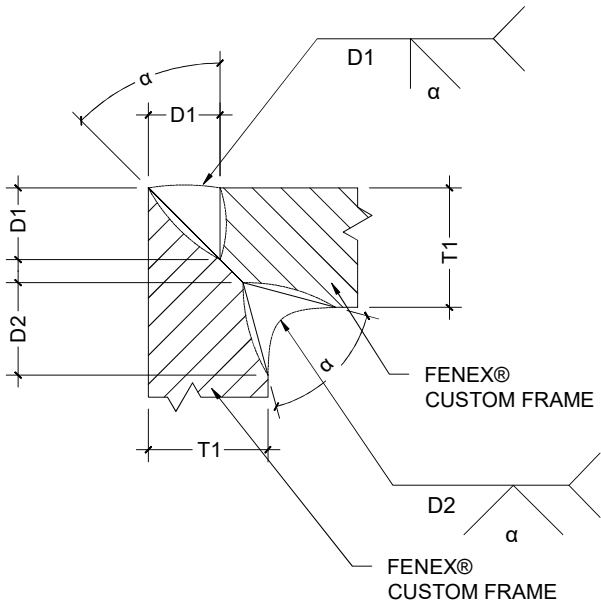
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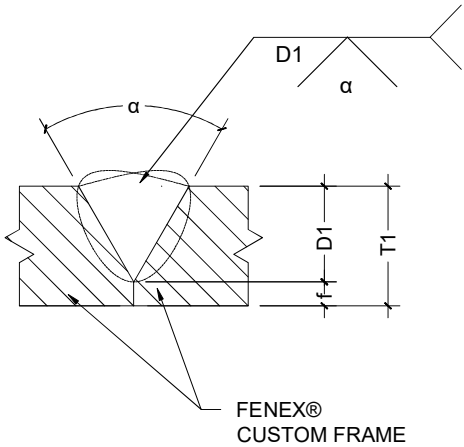
SKYLIGHT ASSEMBLY (TYP.)



TYP. CORNER ASSEMBLY



WELD SECTION "A"



WELD SECTION "B"

TYP. CORNER WELDING DETAILS

DATE	DESCRIPTION	DRWN	CHKD
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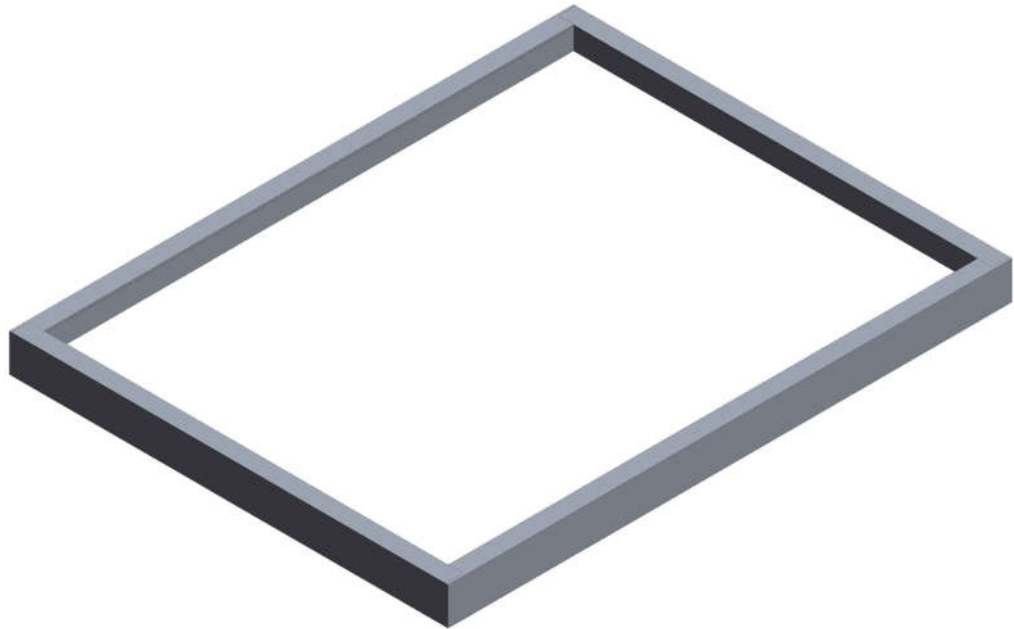
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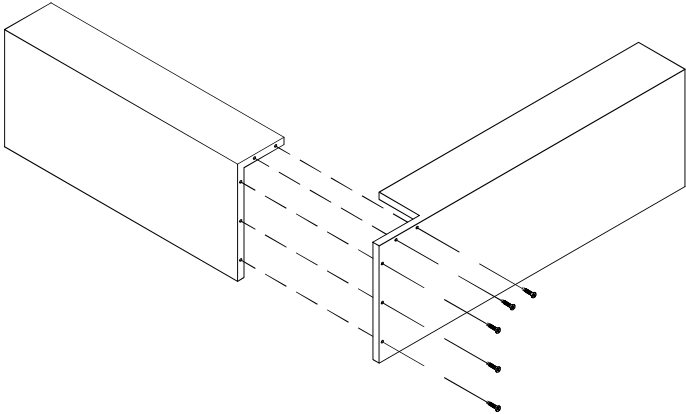


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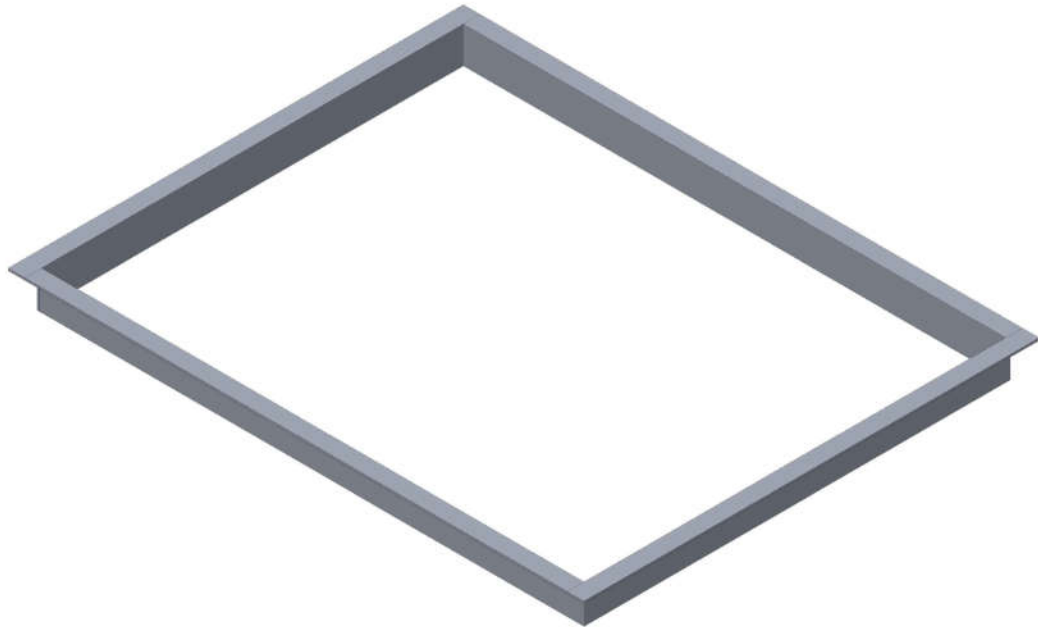
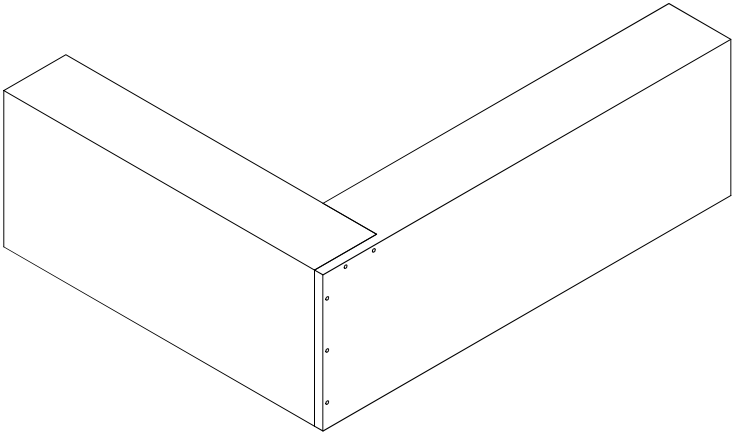
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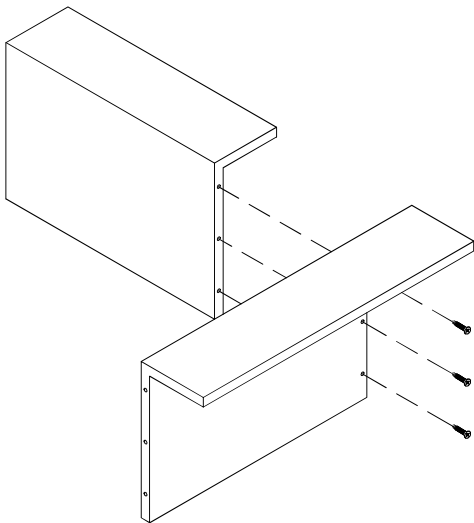
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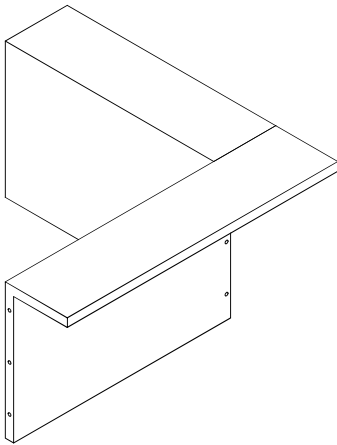
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SKYLIGHT ASSEMBLY (TYP.)



TYP. CORNER ASSEMBLY



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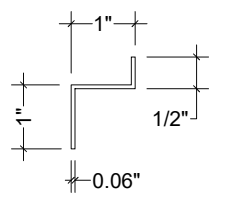
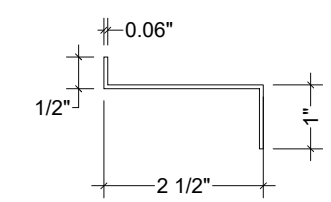
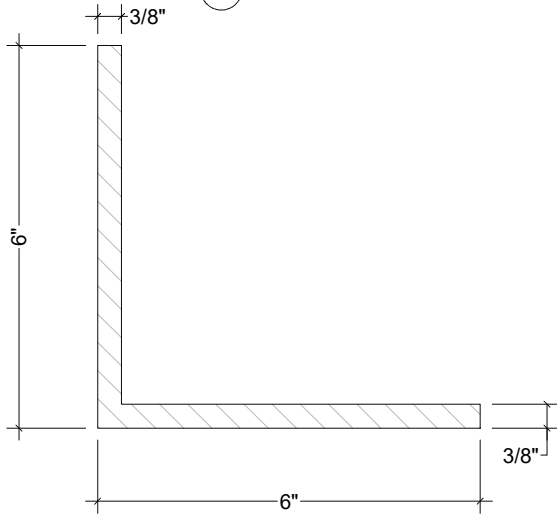
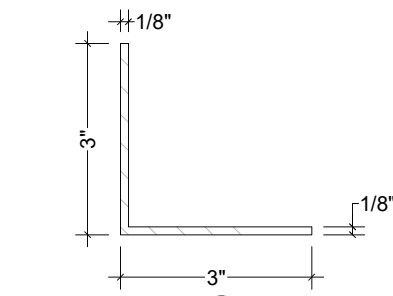
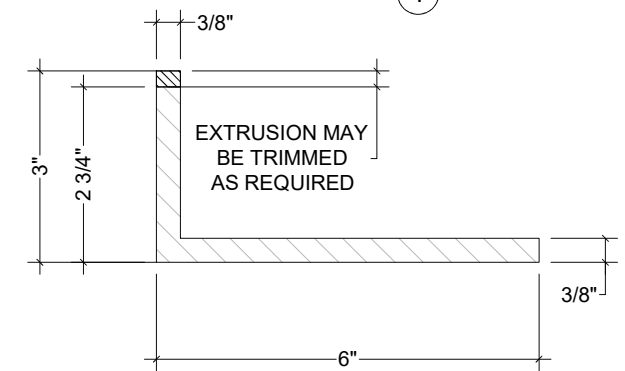
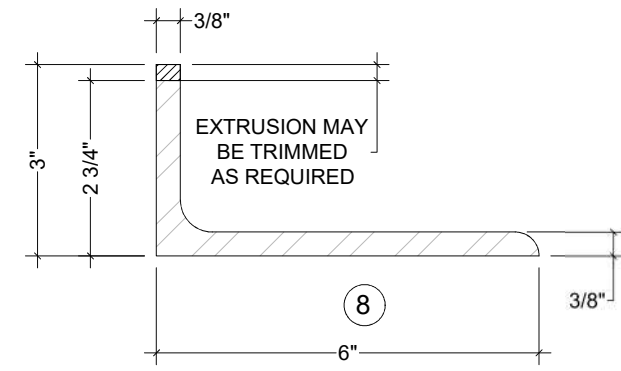
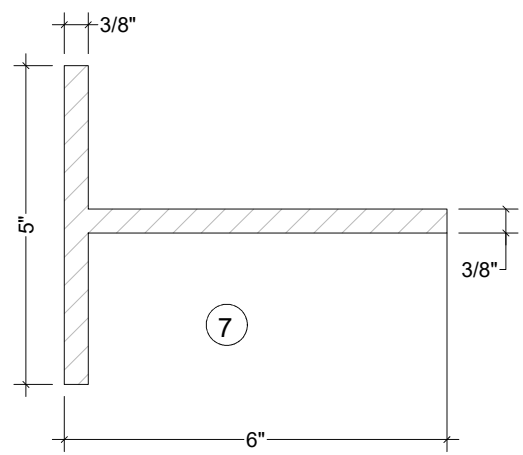
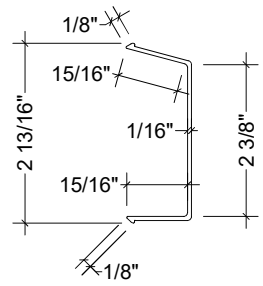
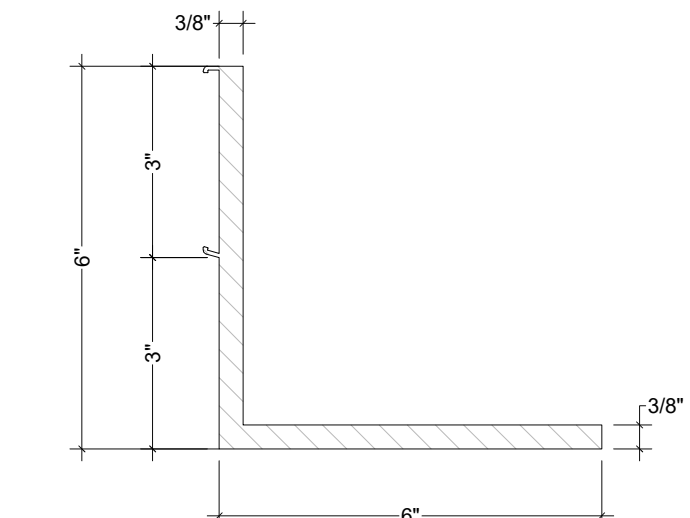
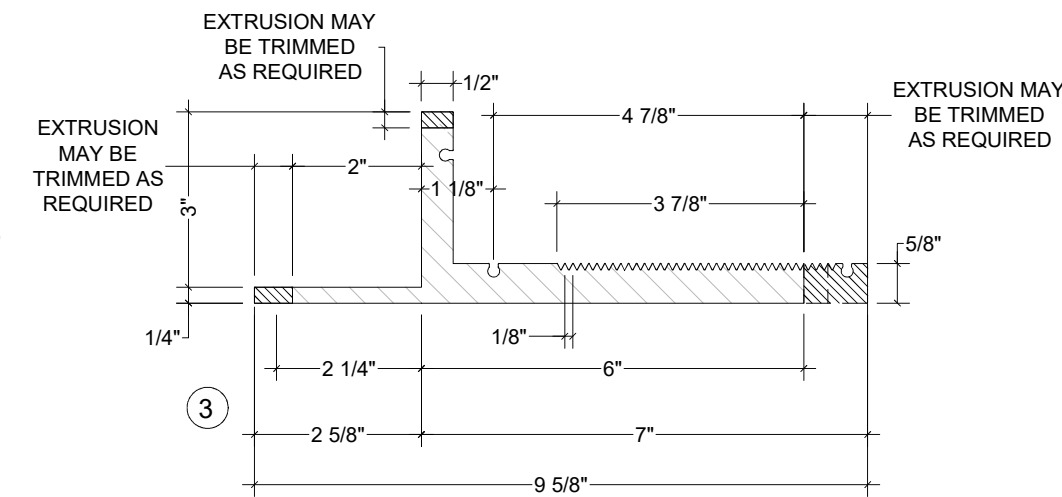
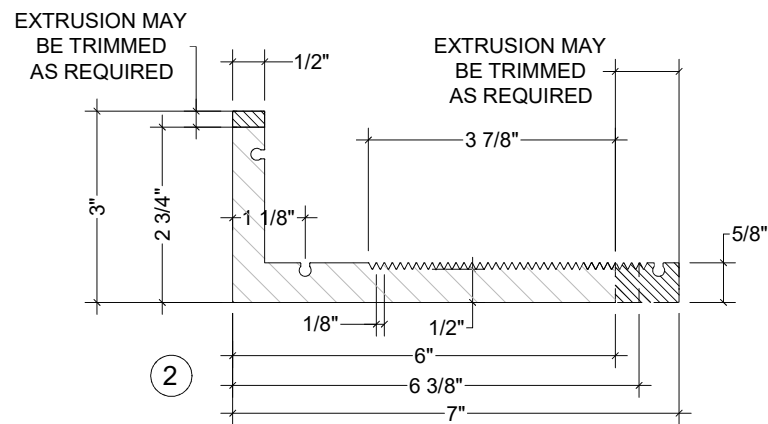
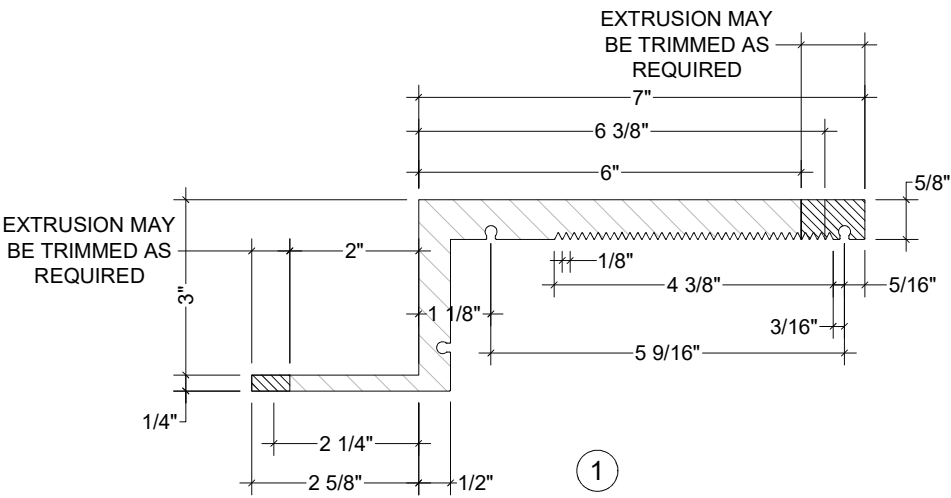
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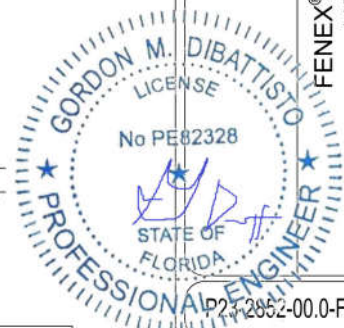
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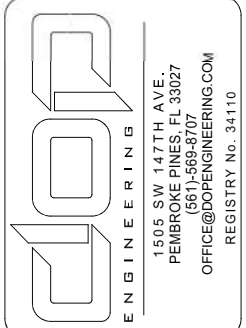
PART LIST



MATERIAL SCHEDULE				
ITEM	PART NUMBER	DESCRIPTION	MATERIAL	REMARKS
①	10	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM	FRAME
②	4	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM	FRAME
③	7	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM	FRAME
④	15	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM	FRAME
⑤	16	FENEX® ANCHOR CAP	ALUMINUM	ANCHOR CAP
⑥	21	FENEX® SKYLIGHT EDGE PROTECTOR	ALUMINUM	EDGE PROTECTOR
⑦	17	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM 304 / 316 STAINLESS STEEL	FRAME
⑧	18	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM 304 / 316 STAINLESS STEEL	FRAME
⑨	19	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM 304 / 316 STAINLESS STEEL	FRAME
⑩	20	FENEX® CUSTOM PROFILE	6061-T6 / 6005-T5 ALUMINUM 304 / 316 STAINLESS STEEL	FRAME
⑪	--	OPTIONAL CONDENSATION GUTTER (NOT AVAILABLE FOR ROUND SKYLIGHT)	ALUMINUM	BREAK METAL
⑫	--	OPTIONAL CONDENSATION GUTTER (NOT AVAILABLE FOR ROUND SKYLIGHT)	ALUMINUM	BREAK METAL
⑬	--	TREMCO PROGLAZE II OR DOWSIL ® 983 STRUCTURAL SEALANT	SILICONE	STRUCTURAL SEALANT
⑭	--	1/4"X3/8" GLAZING TAPE	--	GLAZING TAPE



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