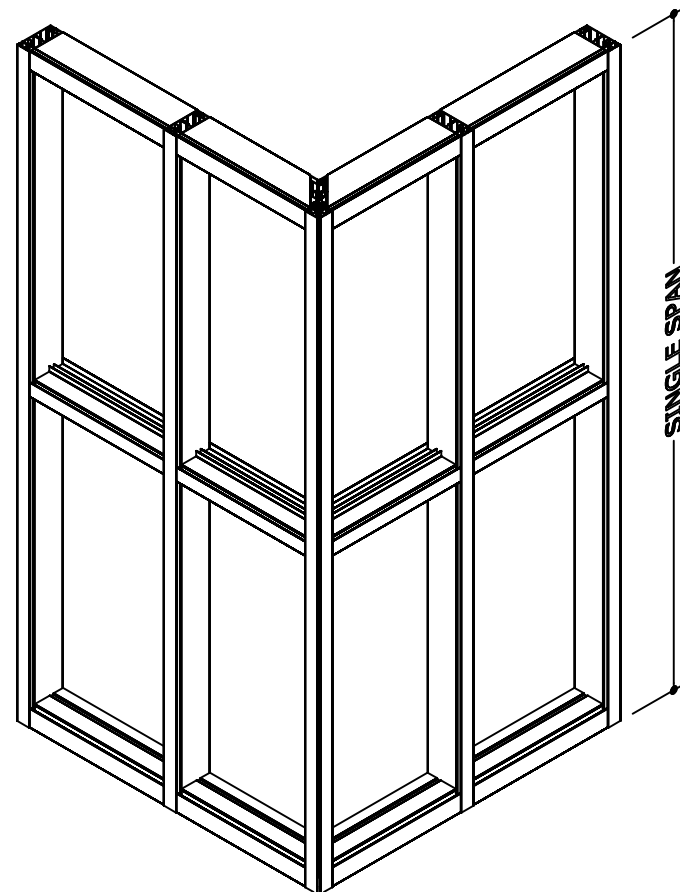
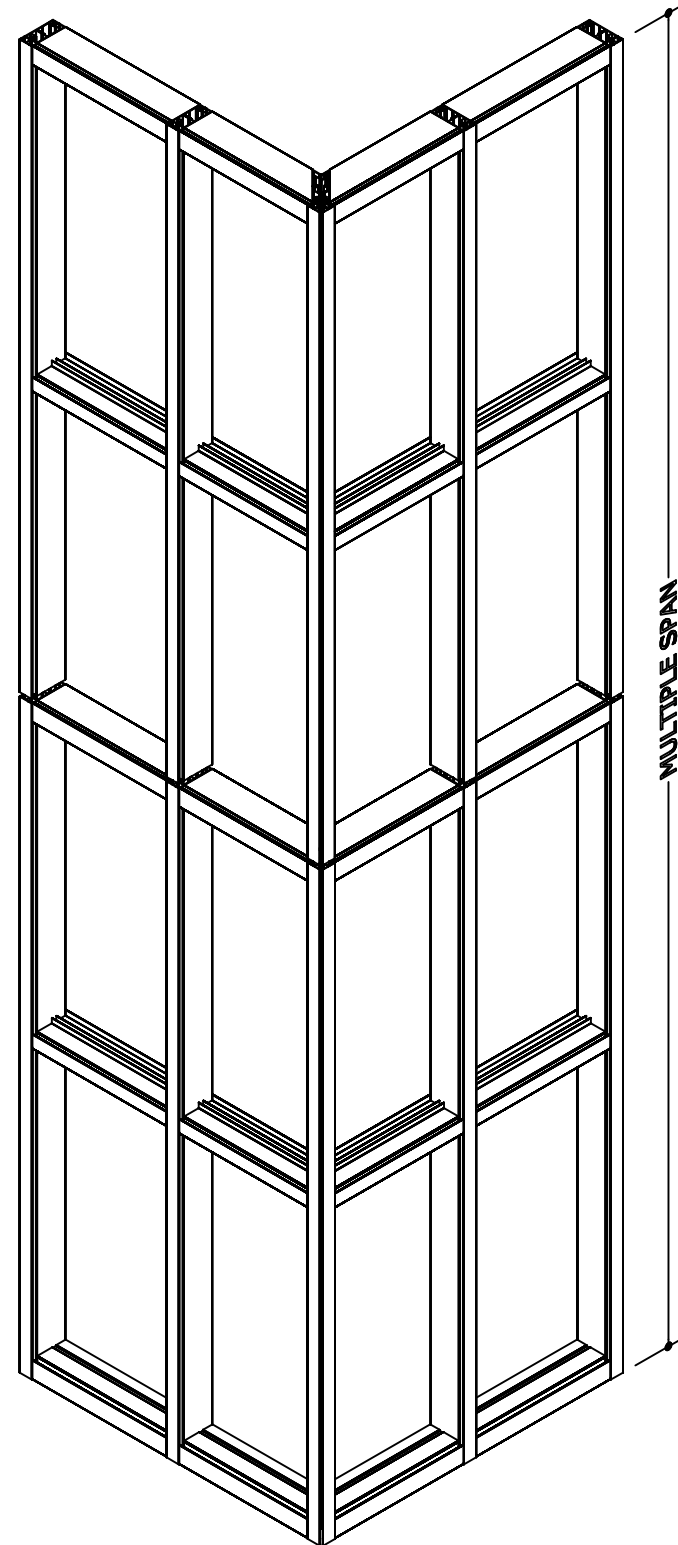


ALUMINUM CURTAIN WALL - MISSILE LEVEL "D"



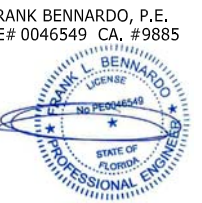
SHEET INDEX	
# SHEET	DESCRIPTION
1	COVER SHEET
2-3	ELEVATIONS
4	GLASS TYPES
5-7	LOADING TABLES
8	ANCHOR LOADING TABLES
9-13	MULLION LOADING TABLES
14-22	FRAME ASSEMBLY - GLASS TYPE "A" & "B"
23-30	FRAME ASSEMBLY - GLASS TYPE "C" & "D"
31-38	FRAME ASSEMBLY - GLASS TYPE "E" & "F"
39-40	EXTRUSIONS & PART LIST
40	TOTAL

1. THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) ASCE 7-16 PER
 - a. ASTM E331, E283
 - b. TAS 201 / 202 / 203
 - c. ANSI Z97.1
 - d. AAMA 501
2. FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). AS QUALIFIED IN TEST REPORTS 11-3078 & 11-3358 BY FENESTRATION TESTING LABORATORY, INC.
3. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
4. UNITS GLAZED WITH 9/16" LAMINATED GLASS (HEAT STRENGTHENED) USING SENTRYGLAS INTERLAYER ARE LARGE MISSILE IMPACT RESISTANT AND DO NOT REQUIRE IMPACT RESISTANT SHUTTERS.
5. UNITS GLAZED WITH 9/16" LAMINATED GLASS (HEAT STRENGTHENED) USING PVB INTERLAYER ARE SMALL MISSILE IMPACT RESISTANT ONLY AND REQUIRE IMPACT RESISTANT SHUTTERS WHEN INSTALLED UNDER 30 FEET ABOVE GROUND.
6. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
7. 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.
8. 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.
9. GLAZING ILLUSTRATED HEREIN UTILIZES SENTRYGLAS INTERLAYER BY KURARAY AMERICA INC. (NOA# 14-0916.11) & PVB INTERLAYER BY KURARAY AMERICA INC. (NOA# 16-1117.01)
10. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
11. ALL FASTENERS INTO METAL SUBSTRATES SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
12. 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.
13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
14. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
15. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
16. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:
BUILDING ENVELOPE SYSTEMS, INC.
3121 EAST 11TH AVE
HIALEAH, FLORIDA
TAS 201/202/203
APPROVED BY FLORIDA BUILDING COMMISSION

FOR HELPFUL RESOURCES, SITE
SPECIFIC JOB ORDERING & MORE
INFORMATION ABOUT THIS PRODUCT &
RELATED SERVICES



Digitally signed
by Frank
Bennardo
Date:
2021.02.12
10:54:00 -05'00'



FL#28401.1



BUILDING ENVELOPE SYSTEMS, INC.
3121 EAST 11TH AVE.

HIALEAH, FL

Phn. (305) 693-0683

SERIES 3580 CURTAIN WALL (LMI/SMI)

SERIES 3380 CURTAIN WALL (LML/SMI)
MISSILE LEVEL "D"
FLORIDA STATE PRODUCT APPROVAL

REMARKS	INIT	ISSUE	JEM	AJP	DATE
	-	-	-	-	06/09/20
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	

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02/12/2021

RANK BENNARDO, P.E.
E# 0046549 CA. #9885

REMARKS	JEM	AJP	CHRD	DATE
INIT ISSUE	-	-	-	06/09/20

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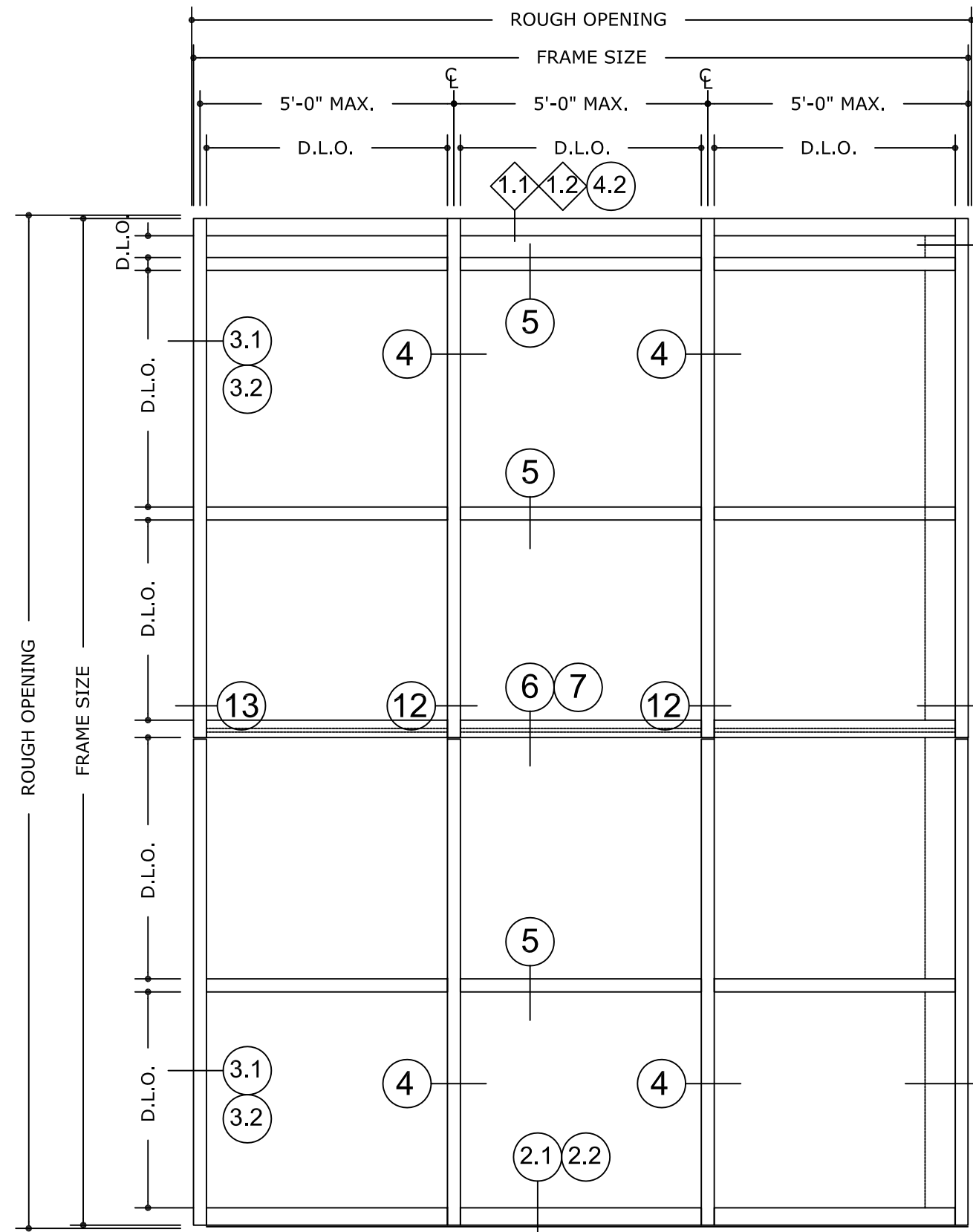
20-25916

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OF
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CURTAIN WALL (LMI/SMI)



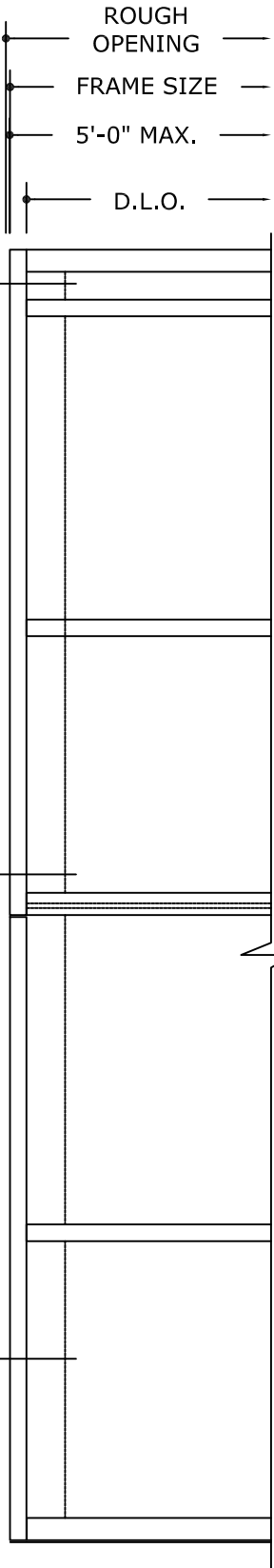
TYPICAL ELEVATION

MULTI SPAN
N.T.S.

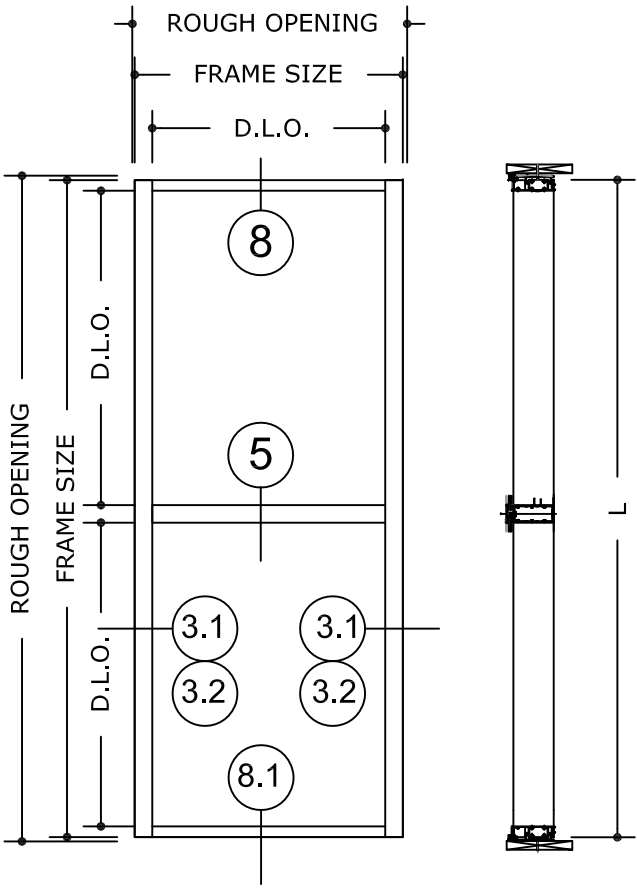
GLASS TYPES "A" & "B"

1.1 1.2

DENOTES DETAILS FOR NON
CANTILEVER CONDITONS



SPAN (L) = 12'-10" MAX.



TYPICAL ELEVATION

SINGLE SPAN
N.T.S.

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20

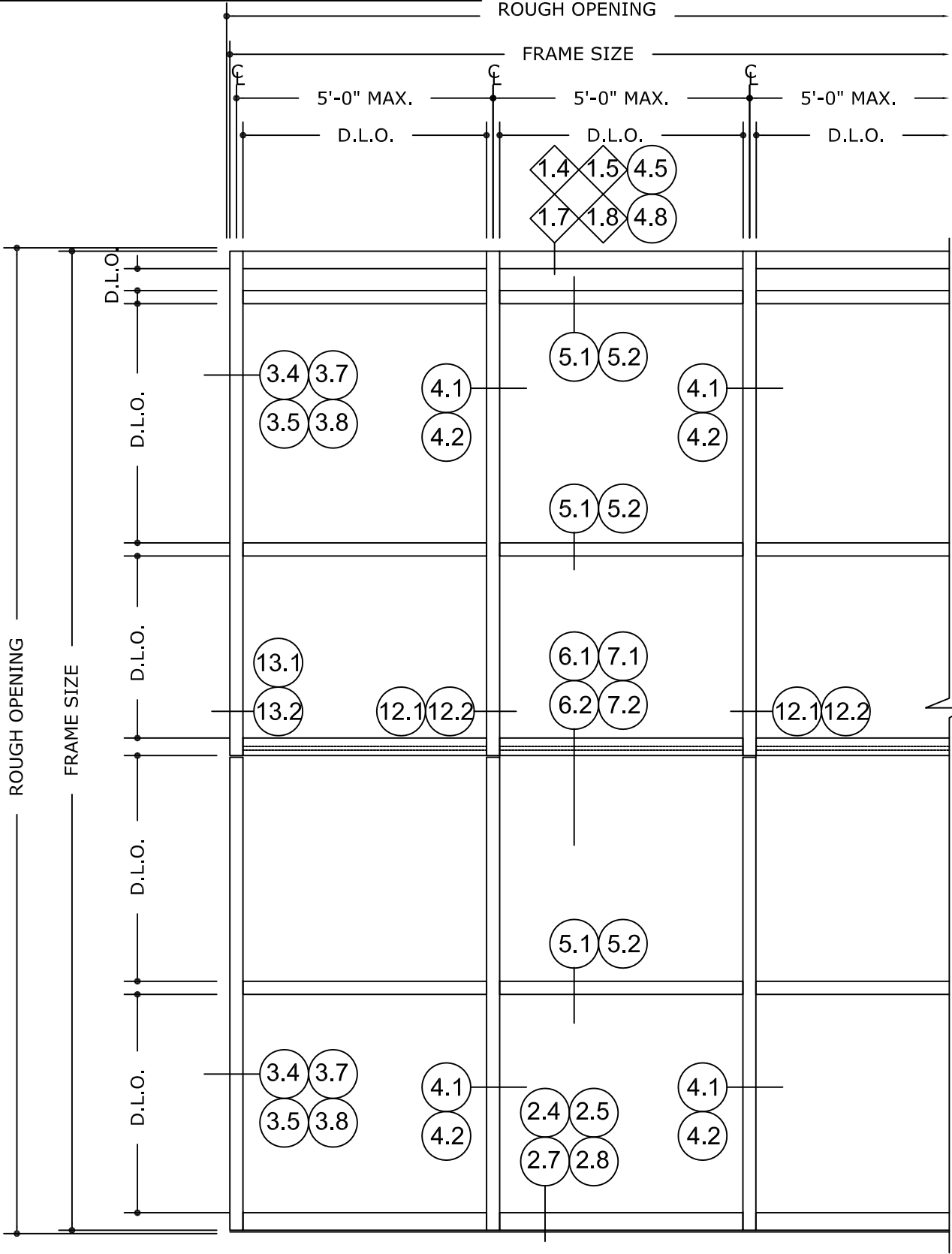
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joem

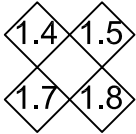
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CURTAIN WALL (LMI/SMI)



TYPICAL ELEVATION
MULTI SPAN
N.T.S.

GLASS TYPES "C", "D", "E" & "F"



DENOTES DETAILS FOR NON
CANTILEVER CONDITONS

SPAN (L) = 12'-10" MAX.

FRANK BENNARDO, P.E.
PE# 0046549 CA, #9885



FL#28401.1

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BUILDING ENVELOPE SYSTEMS, INC.
3121 EAST 11TH AVE.
HIALEAH, FL
Phn. (305) 693-0683

SERIES 3580 CURTAIN WALL (LMI/SMI)
MISSILE LEVEL "D"
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
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	-	-	-
	-	-	-
	-	-	-

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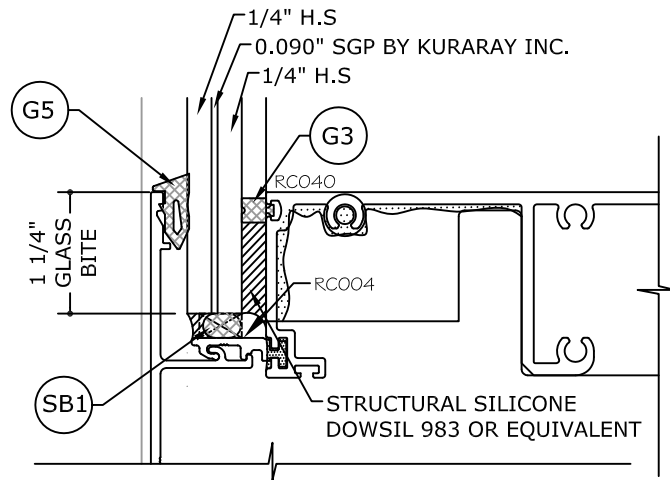
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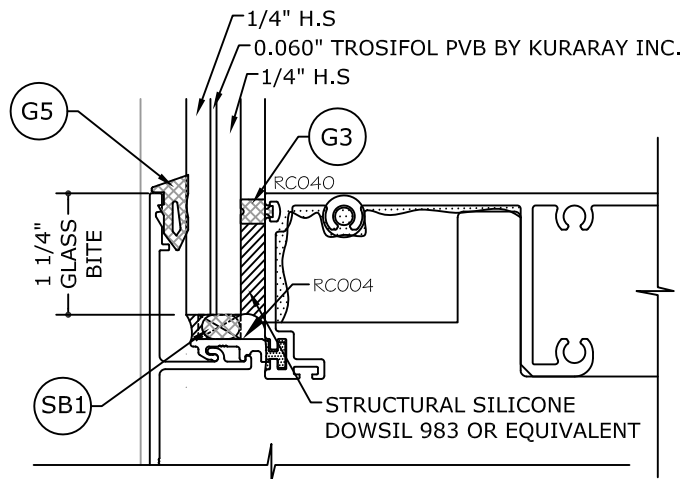
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02/12/2021

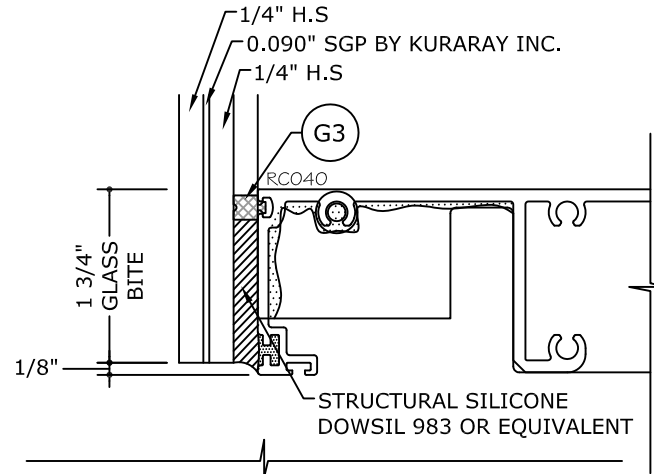
GLAZING DETAILS



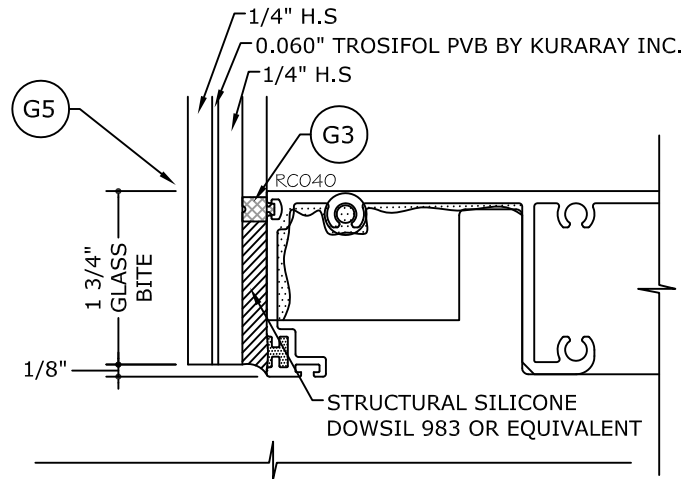
GLAZING DETAIL - GLASS TYPE 'A'
LARGE & SMALL MISSILE



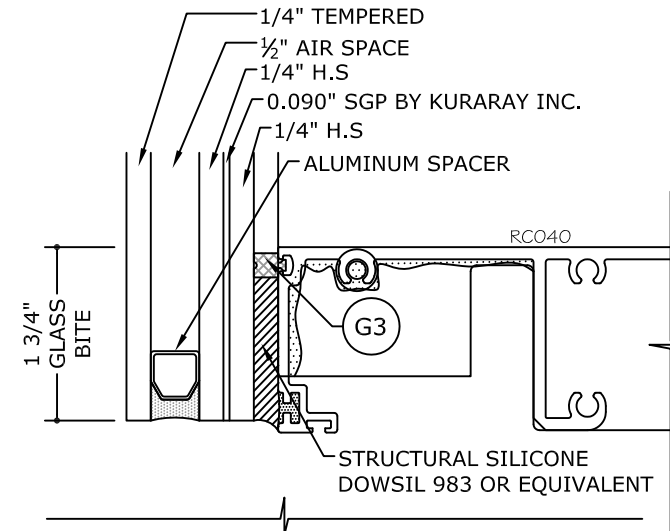
GLAZING DETAIL - GLASS TYPE 'B'
SMALL MISSILE ONLY



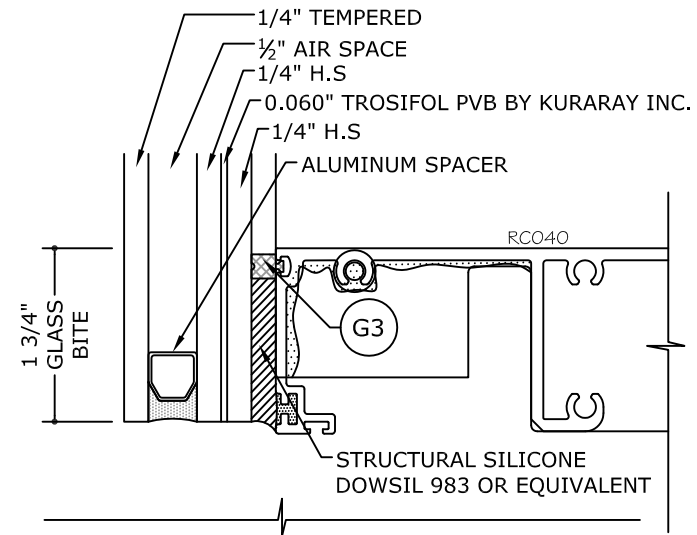
GLAZING DETAIL - GLASS TYPE 'C'
LARGE & SMALL MISSILE



GLAZING DETAIL - GLASS TYPE 'D'
SMALL MISSILE ONLY



GLAZING DETAIL - GLASS TYPE 'E'
LARGE & SMALL MISSILE



GLAZING DETAIL - GLASS TYPE 'F'
SMALL MISSILE ONLY



FL#28401.1



BUILDING ENVELOPE SYSTEMS, INC.

3121 EAST 11TH AVE.

HIALEAH, FL

Phn. (305) 693-0683

SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL "D"

REMARKS	DRWN	CHKD	DATE
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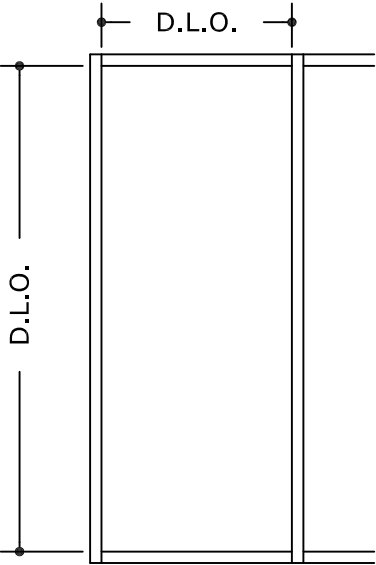
GLASS LOADING TABLE (GLASS TYPES "A" & "B")

24 (in.)			30 (in.)			36 (in.)			42 (in.)			48 (in.)			54 (in.)			60 (in.)		
D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4
36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4
42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4
48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4
54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4
55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4

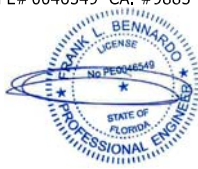
66 (in.)			72 (in.)			78 (in.)			84 (in.)			90 (in.)			96 (in.)			102 (in.)		
D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4
36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4
42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4
48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4
54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4
55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4

107.25 (in.)			114 (in.)			120 (in.)			126 (in.)			132 (in.)			138 (in.)			144 (in.)		
D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4
36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	117	36	58	107	36	53	98
42	60	123.4	42	60	123.4	42	60	123.4	42	60	111	42	55	101	42	50	92	42	-	-
48	60	123.4	48	60	122	48	59	109	48	-	-	48	-	-	48	-	-	48	-	-
54	60	123.4	54	-	-	54	-	-	54	-	-	54	-	-	54	-	-	54	-	-
55 5/8	60	123.4	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)



FRANK BENNARDO, P.E.
PE# 0046549 CA, #9885



02/12/2021

FL#28401.1



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BUILDING ENVELOPE SYSTEMS, INC.

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Phn. (305) 693-0683

SERIES 3580 CURTAIN WALL (LMI/SMI)
MISSILE LEVEL "D"
FLORIDA STATE PRODUCT APPROVAL

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DATE
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05 OF 40

GLASS LOADING TABLE (GLASS TYPES "C", "E")

24 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	123.4
55 5/8	65	123.4
57	65	123.4

30 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	123.4
55 5/8	65	123.4
57	65	123.4

36 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	123.4
55 5/8	65	123.4
57	65	123.4

42 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	123.4
55 5/8	65	123.4
57	65	123.4

48 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	123.4
55 5/8	65	123.4
57	65	123.4

54 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	123.4
55 5/8	65	123.4
57	65	65

57 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	65
55 5/8	65	65
57	65	65

60 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	123.4
54	65	65
55 5/8	65	65
57	65	65

66 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	123.4
48	65	65
54	65	65
55 5/8	65	65
57	65	65

72 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	65
48	65	65
54	65	65
55 5/8	65	65
57	65	65

78 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	123.4
42	65	65
48	65	65
54	65	65
55 5/8	65	65
57	65	65

84 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	65
42	65	65
48	65	65
54	65	65
55 5/8	65	65
57	65	65

90 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	65
42	65	65
48	65	65
54	65	65
55 5/8	65	65
57	65	65

94 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	65
42	65	65
48	65	65
54	65	65
55 5/8	65	65
57	65	65

96 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	123.4
36	65	65
42	65	65
48	65	65
54	65	65
55 5/8	65	65
57	-	-

102 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	65
36	65	65
42	65	65
48	65	65
54	-	-
55 5/8	-	-
57	-	-

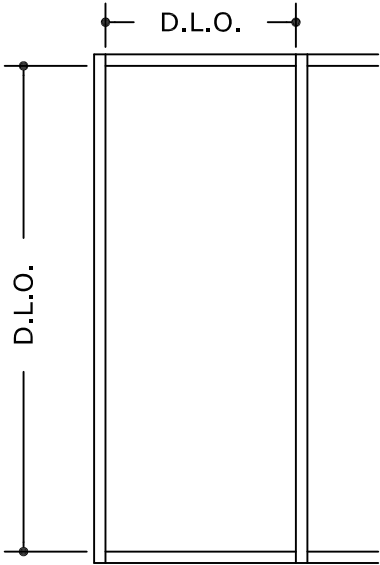
107.25 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	65
36	65	65
42	65	65
48	65	65
54	-	-
55 5/8	-	-
57	-	-

114 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	65
36	65	65
42	65	65
48	-	-
54	-	-
55 5/8	-	-
57	-	-

120 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	123.4
30	65	65
36	65	65
42	65	65
48	-	-
54	-	-
55 5/8	-	-
57	-	-

126 (in.)		
D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	65	65
30	65	65
36	65	65
42	65	65
48	-	-
54	-	-
55 5/8	-	-
57	-	-

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)



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PE# 0046549 CA, #9885



FL#28401.1



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3121 EAST 11TH AVE.

HIALEAH, FL

Phn. (305) 693-0683

SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL "D"

FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20

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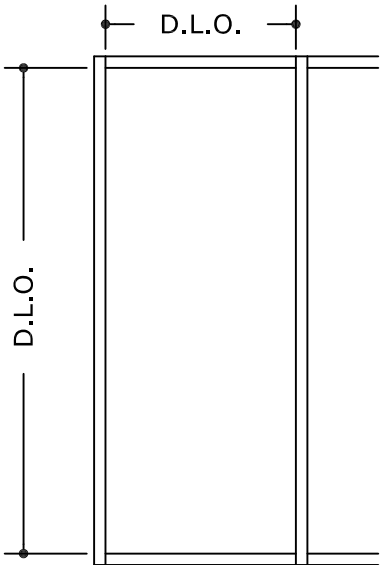
GLASS LOADING TABLE (GLASS TYPES "D", "F")

24 (in.)			30 (in.)			36 (in.)			42 (in.)			48 (in.)			54 (in.)			60 (in.)		
D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4
36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4
42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4	42	60	123.4
48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4	48	60	123.4
54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	60	123.4	54	-	-
55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	60	123.4	55 5/8	-	-

66 (in.)			72 (in.)			78 (in.)			84 (in.)			90 (in.)			96 (in.)			102 (in.)		
D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4
36	60	123.4	36	60	123.4	36	60	123.4	36	60	123.4	36	-	-	36	-	-	36	-	-
42	60	123.4	42	60	123.4	42	-	-	42	-	-	42	-	-	42	-	-	42	-	-
48	-	-	48	-	-	48	-	-	48	-	-	48	-	-	48	-	-	48	-	-
54	-	-	54	-	-	54	-	-	54	-	-	54	-	-	54	-	-	54	-	-
55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-

107.25 (in.)			114 (in.)			120 (in.)			126 (in.)		
D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT			D.L.O. HEIGHT		
D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F	D.L.O. WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	60	123.4	24	60	123.4	24	60	123.4	24	60	123.4
36	-	-	36	-	-	36	-	-	36	-	-
42	-	-	42	-	-	42	-	-	42	-	-
48	-	-	48	-	-	48	-	-	48	-	-
54	-	-	54	-	-	54	-	-	54	-	-
55 5/8	-	-	55 5/8	-	-	55 5/8	-	-	55 5/8	-	-

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)



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PE# 0046549 CA, #9885



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SERIES 3580 CURTAIN WALL (LMI/SMI)
MISSILE LEVEL "D"
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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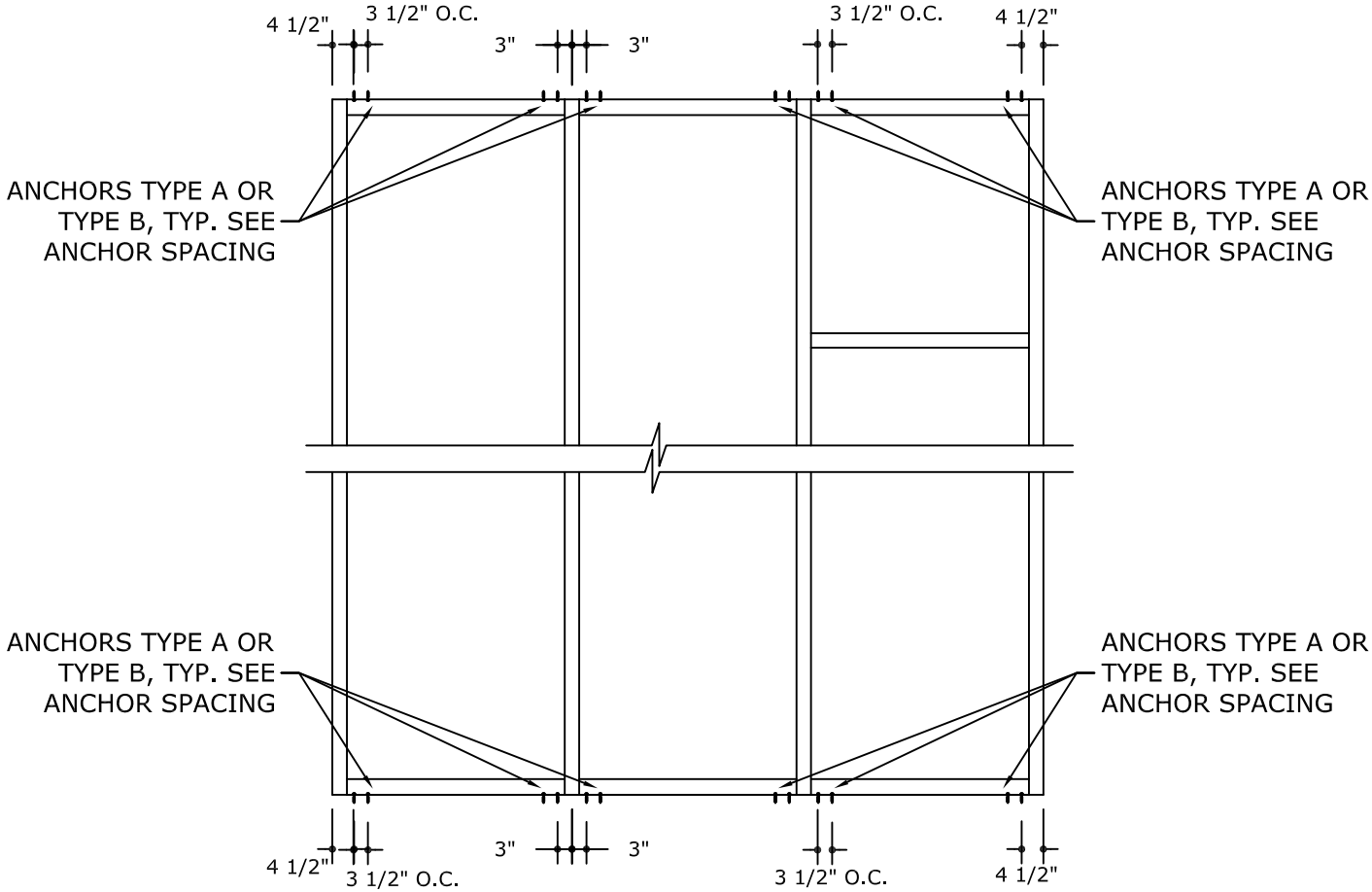
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02/12/2021 - 10:04am



TYPICAL ANCHOR LAYOUT

ANCHOR TYPE	DESCRIPTION
A	1/2" HDG HILTI KWIKBOLT 3 WITH 2 5/16" MIN. EMBEDMENT INTO 3 KSI. CONCRETE MIN. AND 5" MIN. EDGE DISTANCE. (6" MIN. CONCRETE THICKNESS)
B	1/2"-13 x 3" LG. HSFH CAP SCREW (BOLT) GALVANIZED fy= 65 KSI fu= 100 KSI 1/2"-13 HEX NUT 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI 1/2" Ø MEDIUM SLIP LOCKWASHER 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI

FRANK BENNARDO, P.E.
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02/12/2021

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INIT ISSUE	JEM	AJP	06/09/20
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	-	-	-
	-	-	-
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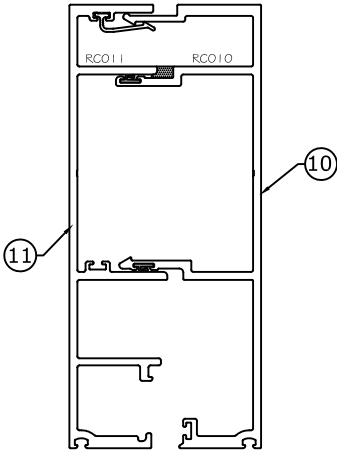
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH AND WITHOUT INTERMEDIATE HORIZONTAL.

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	36	65	123.4
	42	65	123.4
	48	65	123.4
	54	65	123.4
	60	65	123.4
	66	65	123.4
	72	65	123.4
	78	65	123.4
	84	65	123.4
	90	65	123.4
	96	65	123.4
	102	65	123.4
	108	65	123.4
	114	65	123.4
	120	65	123.4
	126	65	123.4
	132	65	123.4
	138	65	123.4
	144	65	123.4

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
42	36	65	123.4
	42	65	123.4
	48	65	123.4
	54	65	123.4
	60	65	123.4
	66	65	123.4
	72	65	123.4
	78	65	123.4
	84	65	123.4
	90	65	123.4
	96	65	123.4
	102	65	123.4
	108	65	123.4
	114	65	123.4
	120	65	123.4
	126	65	123.4
	132	65	123.4
	138	65	123.4
	144	60	123.4

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	36	65	123.4
	42	65	123.4
	48	65	123.4
	54	65	123.4
	60	65	123.4
	66	65	123.4
	72	65	123.4
	78	65	123.4
	84	65	123.4
	90	65	123.4
	96	65	123.4
	102	65	123.4
	108	65	123.4
	114	65	123.4
	120	65	123.4
	126	60	123.4
	132	60	123.4
	138	60	123.4
	144	60	123.4

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
54	36	65	123.4
	42	65	123.4
	48	65	123.4
	54	65	123.4
	60	65	123.4
	66	65	123.4
	72	65	123.4
	78	65	123.4
	84	65	123.4
	90	65	123.4
	96	65	123.4
	102	65	123.4
	108	65	123.4
	114	60	123.4
	120	60	123.4
	126	60	123.4
	132	60	123.4
	138	60	123.4
	144	60	123.4



INTERMEDIATE MULLION (M1)

FRANK BENNARDO, P.E.
PE# 0046549 CA, #9885



02/12/2021

FL#28401.1



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SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL "D"

FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20
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	-	-	-
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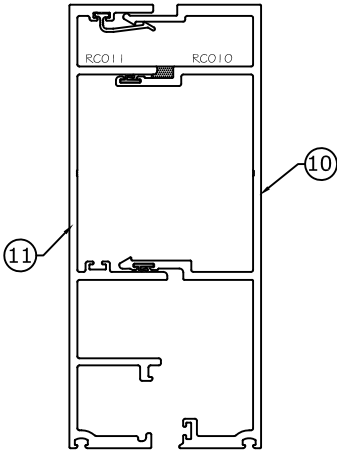
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH AND WITHOUT INTERMEDIATE HORIZONTAL.

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
60	36	65	123.4
	42	65	123.4
	48	65	123.4
	54	65	123.4
	60	65	123.4
	66	65	123.4
	72	65	123.4
	78	65	123.4
	84	65	123.4
	90	65	123.4
	96	65	123.4
	102	60	123.4
	108	60	123.4
	114	60	123.4
	120	60	123.4
	126	60	123.4
	132	60	123.4
	138	60	123.4
	144	60	123.4

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
66	36	65	123.4
	42	65	123.4
	48	65	123.4
	54	65	123.4
	60	65	122
	66	65	121
	72	65	121
	78	65	121
	84	65	121
	90	60	121
	96	60	121
	102	60	121
	108	60	121
	114	60	121
	120	60	121
	126	60	121
	132	-	-
	138	-	-
	144	-	-

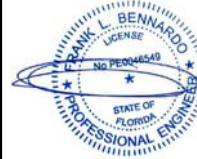
FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
72	36	65	123.4
	42	65	123
	48	65	114
	54	65	108
	60	65	104
	66	65	102
	72	65	101
	78	65	101
	84	60	101
	90	60	101
	96	60	101
	102	60	101
	108	60	101
	114	60	101
	120	60	101
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
78	36	65	122
	42	65	110
	48	65	101
	54	65	95
	60	65	91
	66	65	88
	72	65	87
	78	60	86
	84	60	86
	90	60	86
	96	60	86
	102	60	86
	108	60	86
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-



INTERMEDIATE MULLION (M1)

FRANK BENNARDO, P.E.
PE# 0046549 CA, #9885



02/12/2021

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FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20
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	-	-	-
	-	-	-
	-	-	-

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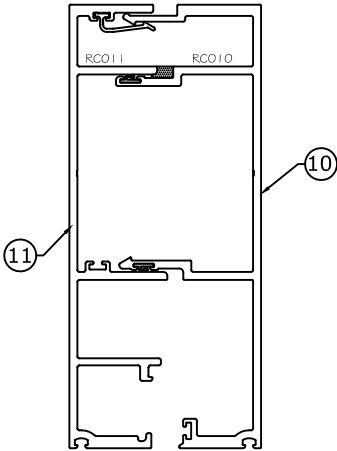
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH AND WITHOUT INTERMEDIATE HORIZONTAL.

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
84	36	65	111
	42	65	99
	48	65	91
	54	65	85
	60	65	81
	66	65	78
	72	60	76
	78	60	75
	84	60	74
	90	60	74
	96	60	74
	102	60	74
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
90	36	65	101
	42	65	91
	48	65	83
	54	65	77
	60	65	73
	66	60	70
	72	60	67
	78	60	66
	84	60	65
	90	60	65
	96	60	65
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
96	36	65	94
	42	65	83
	48	65	76
	54	65	70
	60	65	66
	66	60	63
	72	60	60
	78	58	58
	84	56	56
	90	55	55
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
97.75	36	65	92
	42	65	81
	48	65	74
	54	65	69
	60	65	65
	66	60	60
	72	57	57
	78	55	55
	84	53	53
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-



INTERMEDIATE MULLION (M1)

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BUILDING ENVELOPE SYSTEMS, INC.

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HIALEAH, FL

Phn. (305) 693-0683

SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL "D"

FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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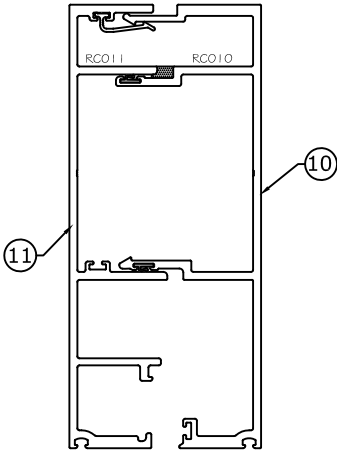
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH AND WITHOUT INTERMEDIATE HORIZONTAL.

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
102	36	65	87
	42	65	77
	48	65	70
	54	63	63
	60	59	59
	66	55	55
	72	52	52
	78	49	49
	84	48	48
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
108	36	65	80
	42	65	70
	48	62	62
	54	56	56
	60	51	51
	66	48	48
	72	45	45
	78	43	43
	84	-	-
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
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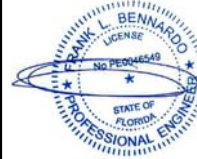
FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
114	36	65	72
	42	62	62
	48	55	55
	54	50	50
	60	46	46
	66	42	42
	72	40	40
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
120	36	64	64
	42	56	56
	48	49	49
	54	44	44
	60	41	41
	66	38	38
	72	35	35
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-



INTERMEDIATE MULLION (M1)

FRANK BENNARDO, P.E.
PE# 0046549 CA, #9885



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FL#28401.1



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SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL "D"

FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20
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	-	-	-
	-	-	-
	-	-	-
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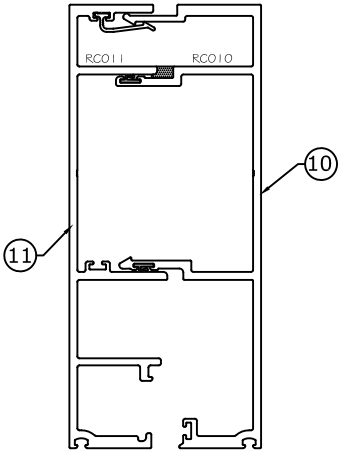
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH AND WITHOUT INTERMEDIATE HORIZONTAL.

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
126	36	58	58
	42	50	50
	48	44	44
	54	40	40
	60	37	37
	66	34	34
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
132	36	53	53
	42	46	46
	48	40	40
	54	36	36
	60	33	33
	66	-	-
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
138	36	48	48
	42	42	42
	48	37	37
	54	33	33
	60	30	30
	66	-	-
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-

FRAME DIMENSIONS (in.)		MULLION TYPE	
		M1	
FRAME HEIGHT (in.)	FRAME WIDTH (in.)	(+) P.S.F	(-) P.S.F
144	36	44	44
	42	38	38
	48	33	33
	54	30	30
	60	27	27
	66	-	-
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	102	-	-
	108	-	-
	114	-	-
	120	-	-
	126	-	-
	132	-	-
	138	-	-
	144	-	-



INTERMEDIATE MULLION (M1)

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FL#28401.1



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SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL "D"

FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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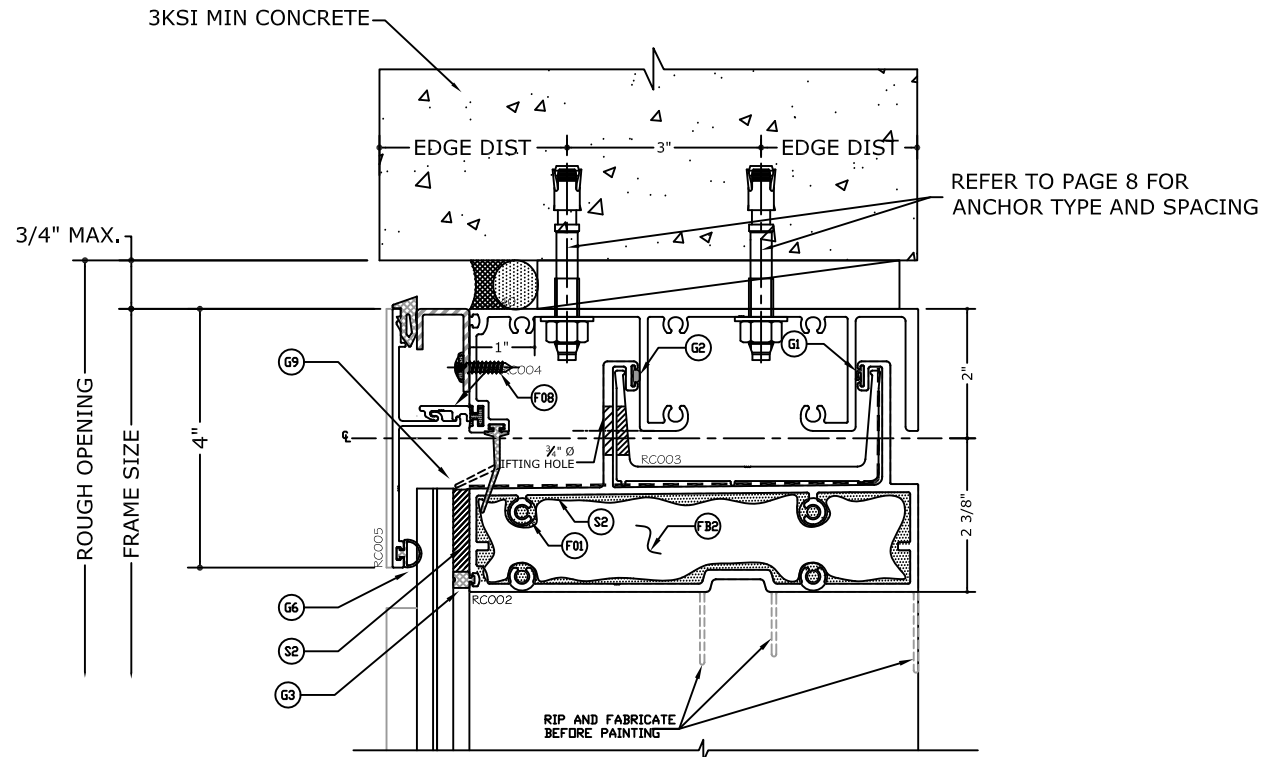
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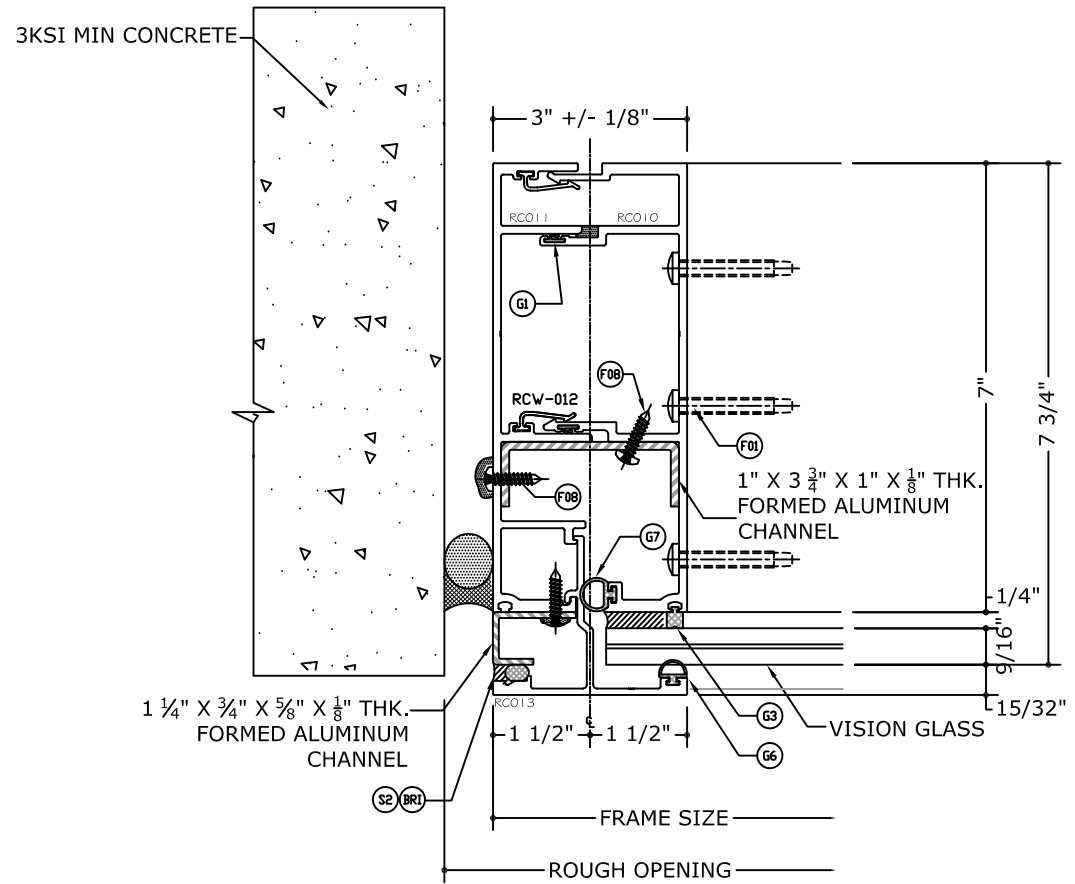
OF 40

02/12/2021

REMARKS	DATE	CHKD	DRWN	JEM	AJP
INIT ISSUE	06/09/20	-	-	-	-
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-	-	-	-	-	-
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-	-	-	-	-	-

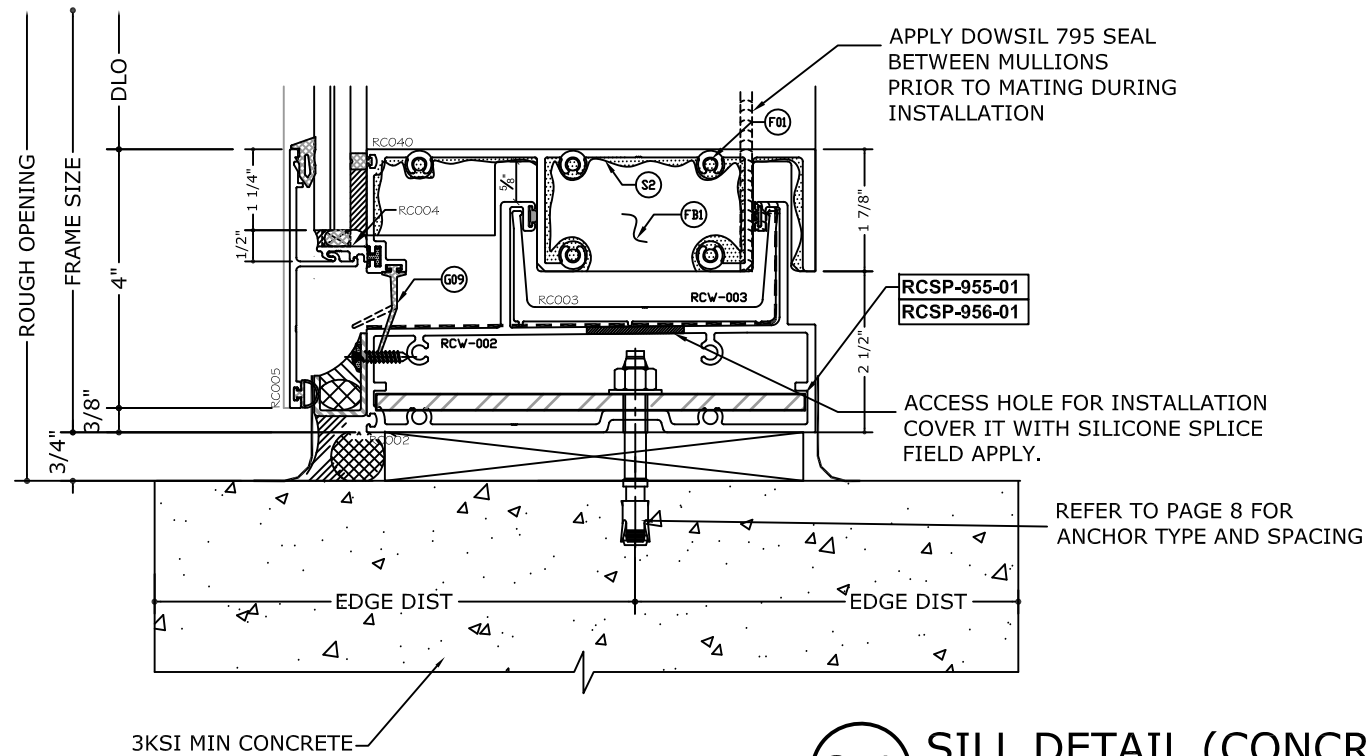


1.1 HEAD DETAIL (CONCRETE)
N.T.S

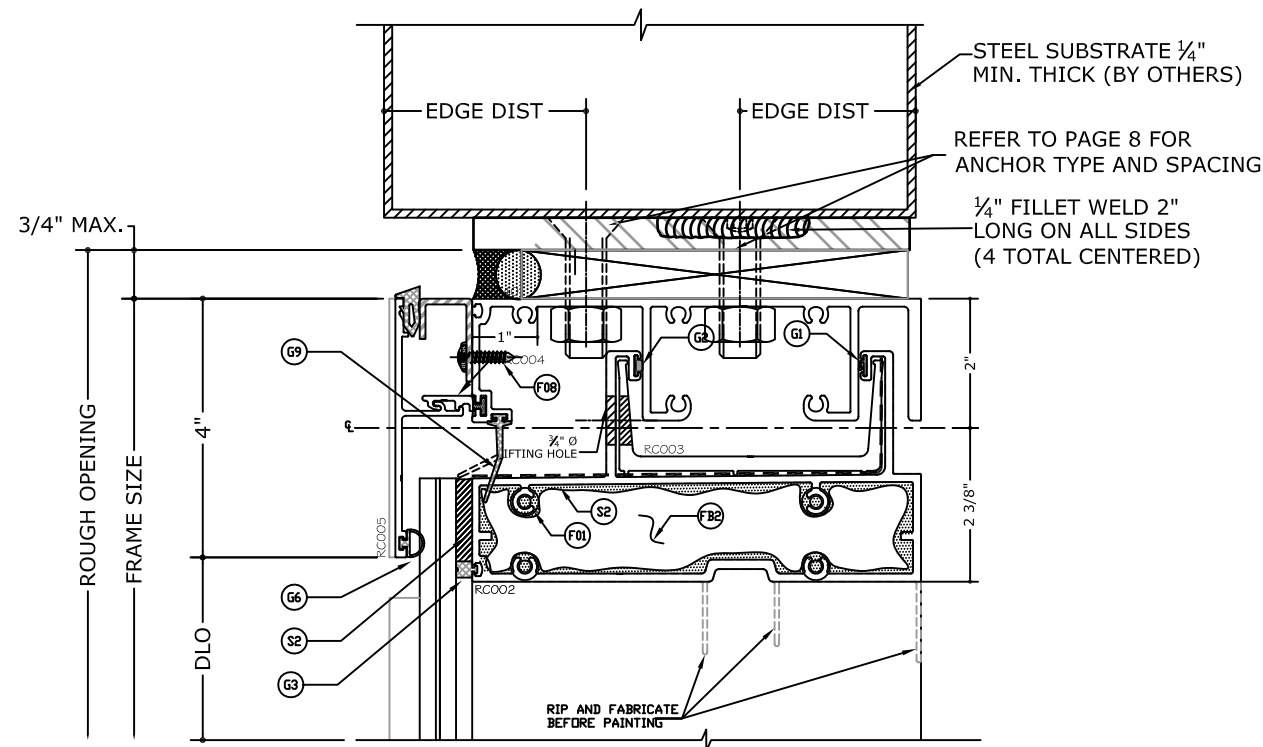


3.1 JAMB DETAIL (CONCRETE)

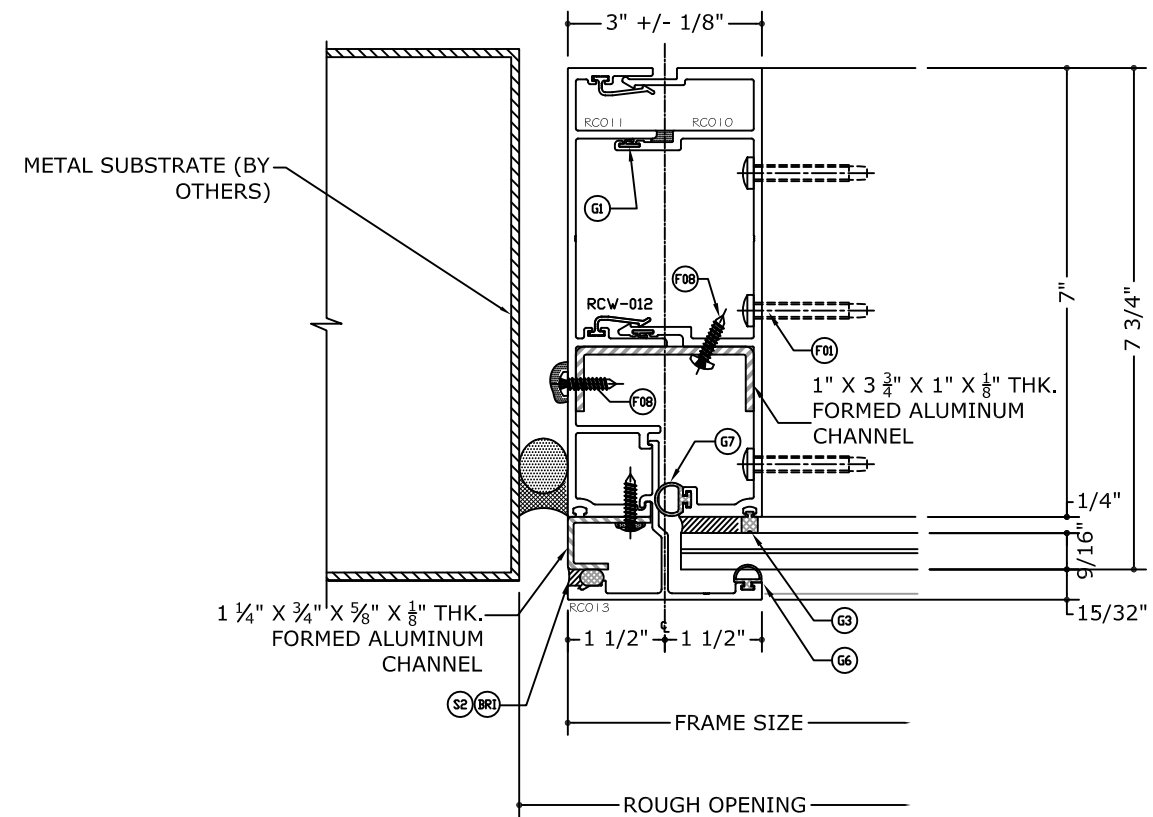
NOTE:
GAP TO BE DESIGNED ON A SITE SPECIFIC BASIS AND SHALL
FOLLOW SEALANT MANUFACTURER RECOMMENDATIONS.



2.1 SILL DETAIL (CONCRETE)
N.T.S

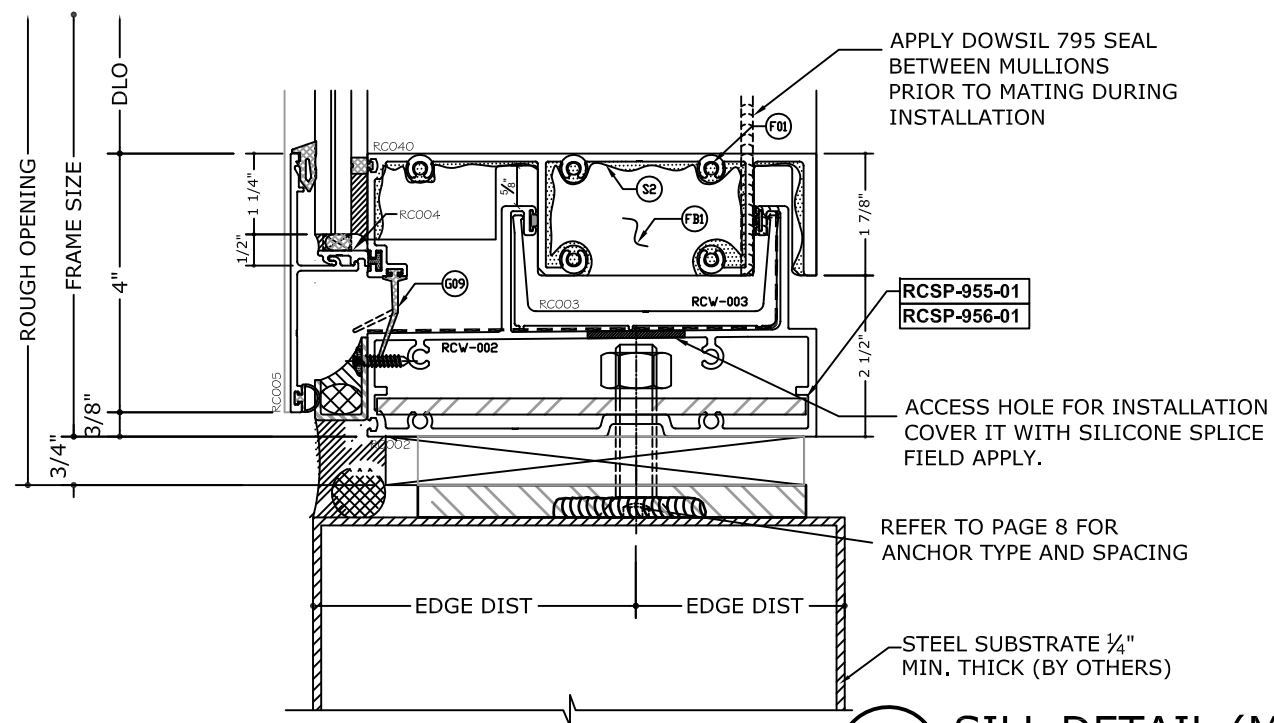


1.2 HEAD DETAIL (METAL)

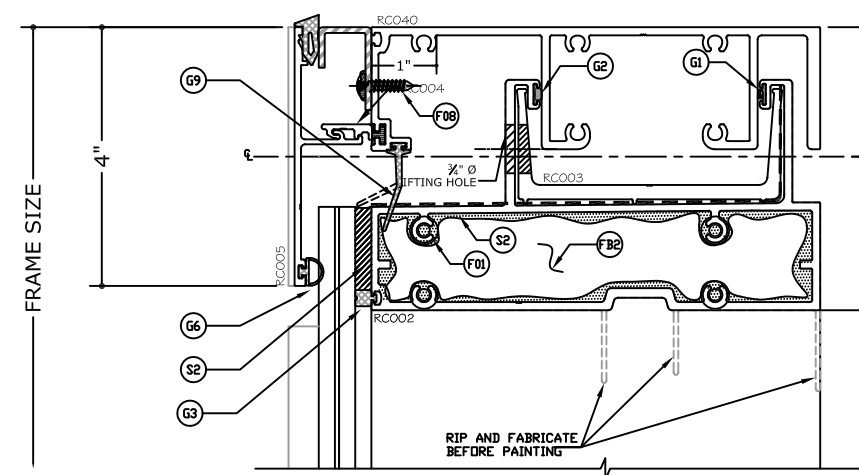


3.2 JAMB DETAIL (METAL)

NOTE:
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2.2 SILL DETAIL (METAL)
N.T.S



4.2 HEAD AT CANTILEVER



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MISSILE LEVEL "D"
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REMARKS	DRWN	CHKD	DATE
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-	-	-	-

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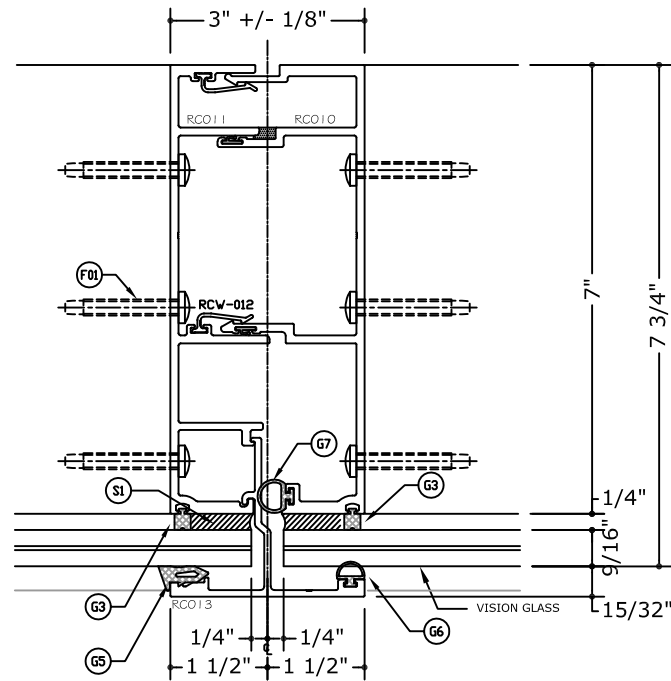
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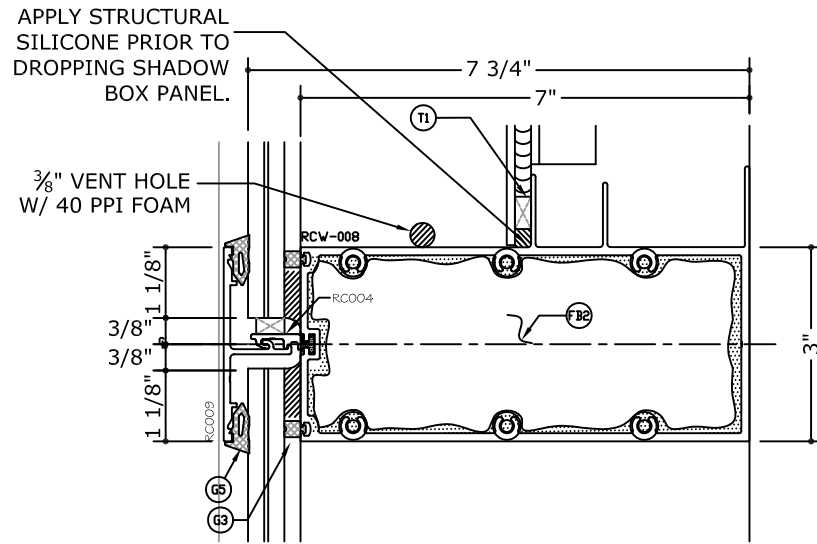
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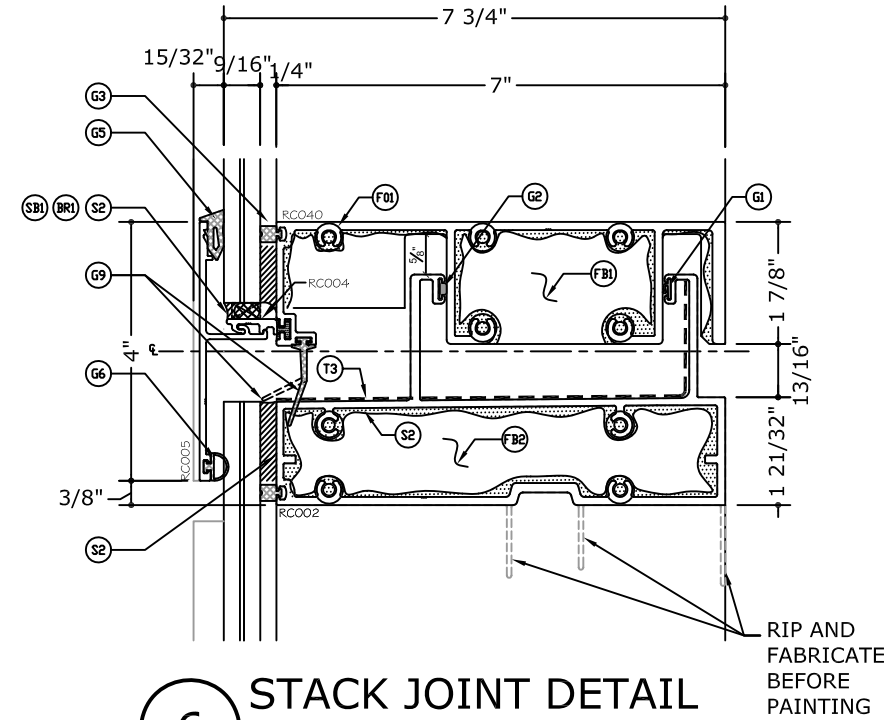
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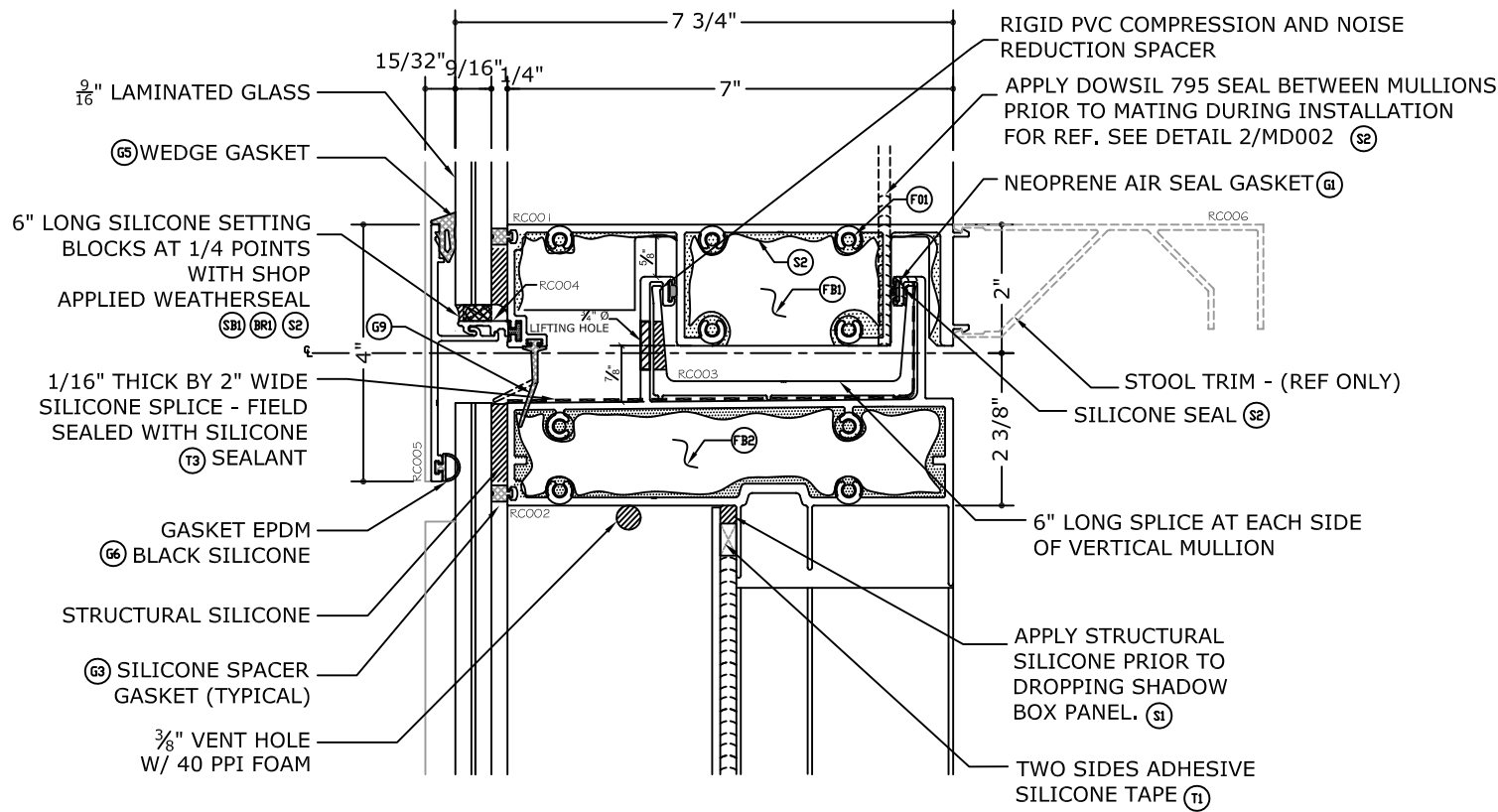
4 VERTICAL INTERMEDIATE DETAIL
N.T.S



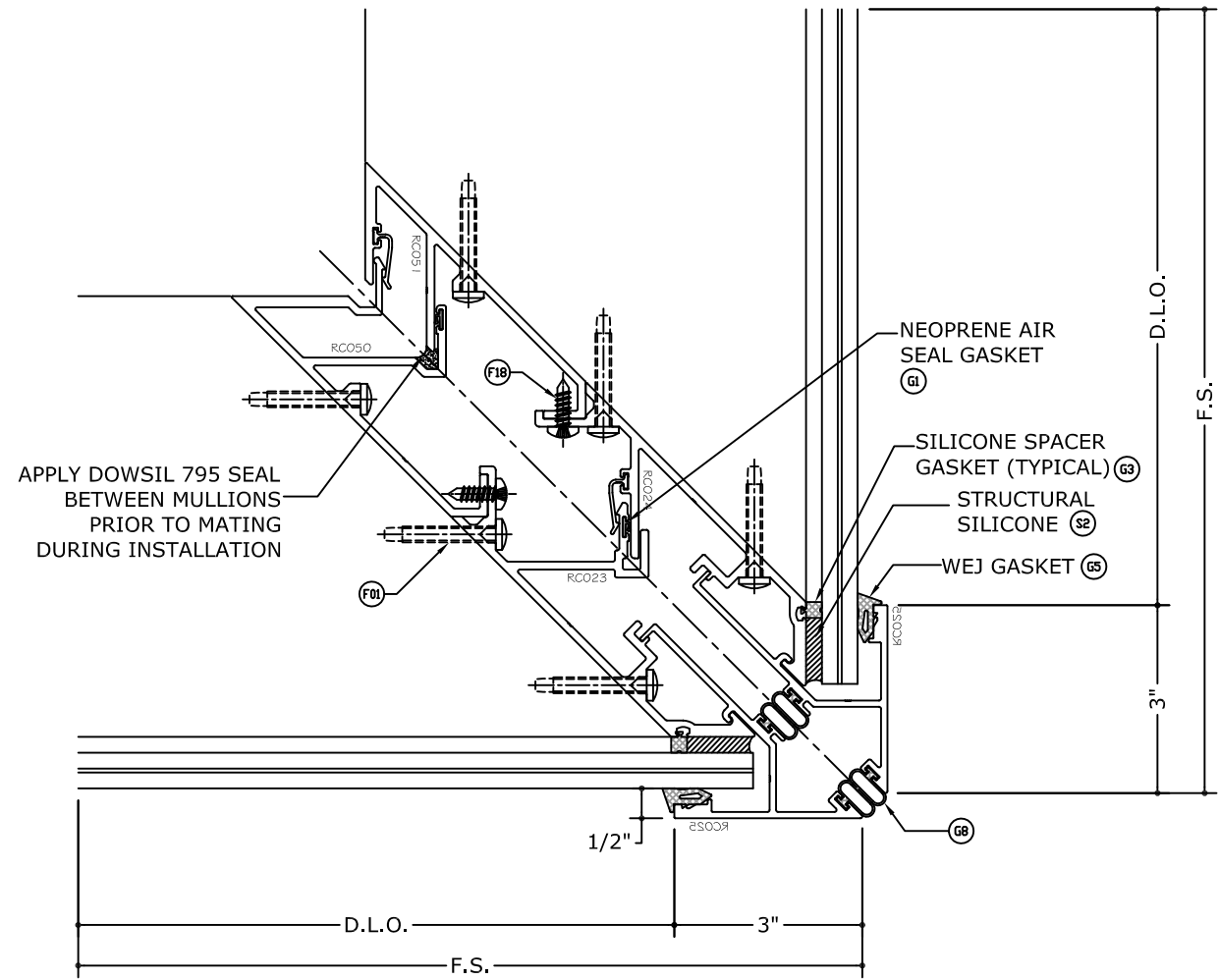
5 HORIZONTAL INTERMEDIATE DETAIL
N.T.S



6 STACK JOINT DETAIL
N.T.S



7 STACK JOINT DETAIL
N.T.S



8 CORNER DETAIL
N.T.S



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MISSILE LEVEL "D"
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SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL D
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
UNIT ISSUE	JEM	AJP	06/09/20
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-	-	-	-
-	-	-	-

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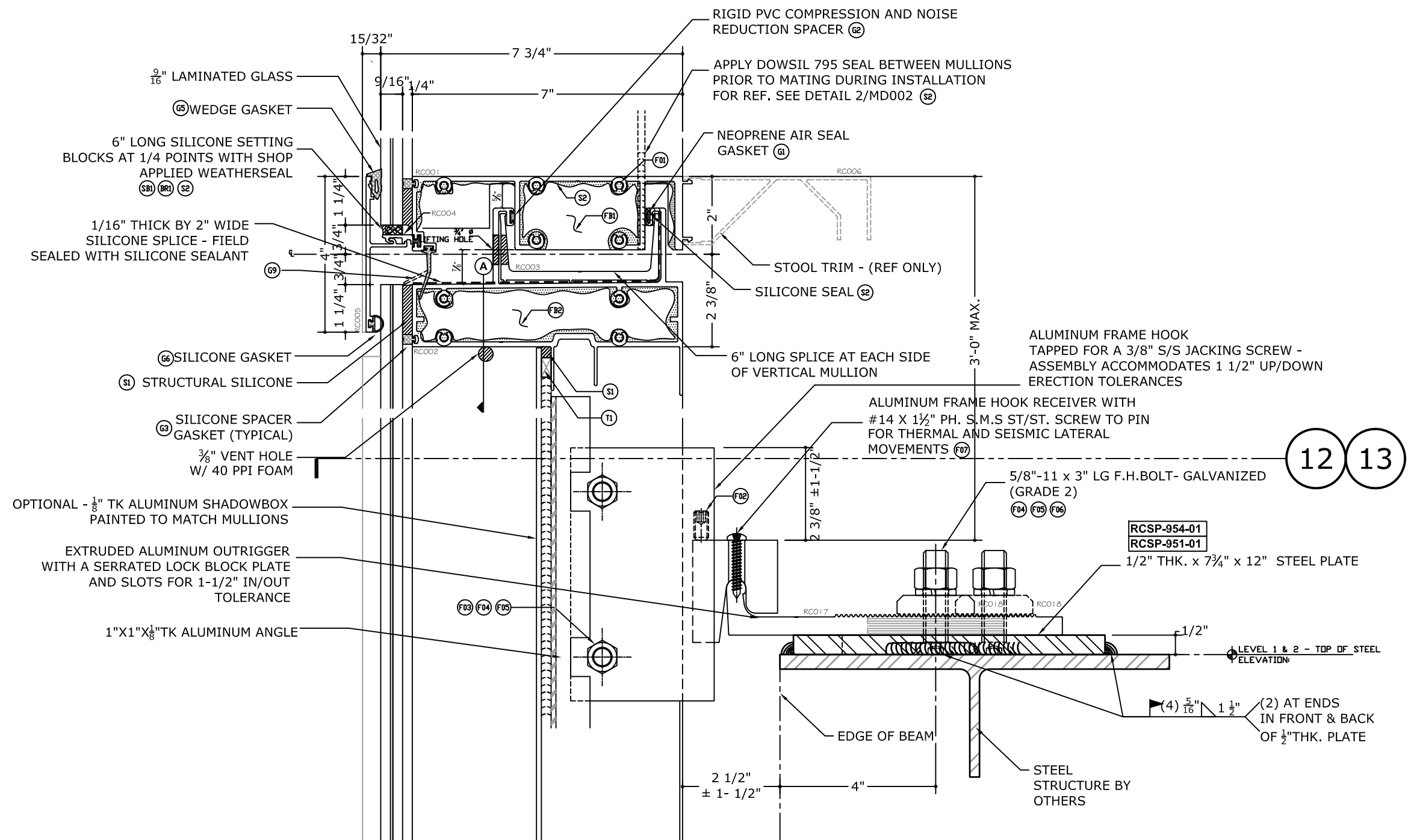
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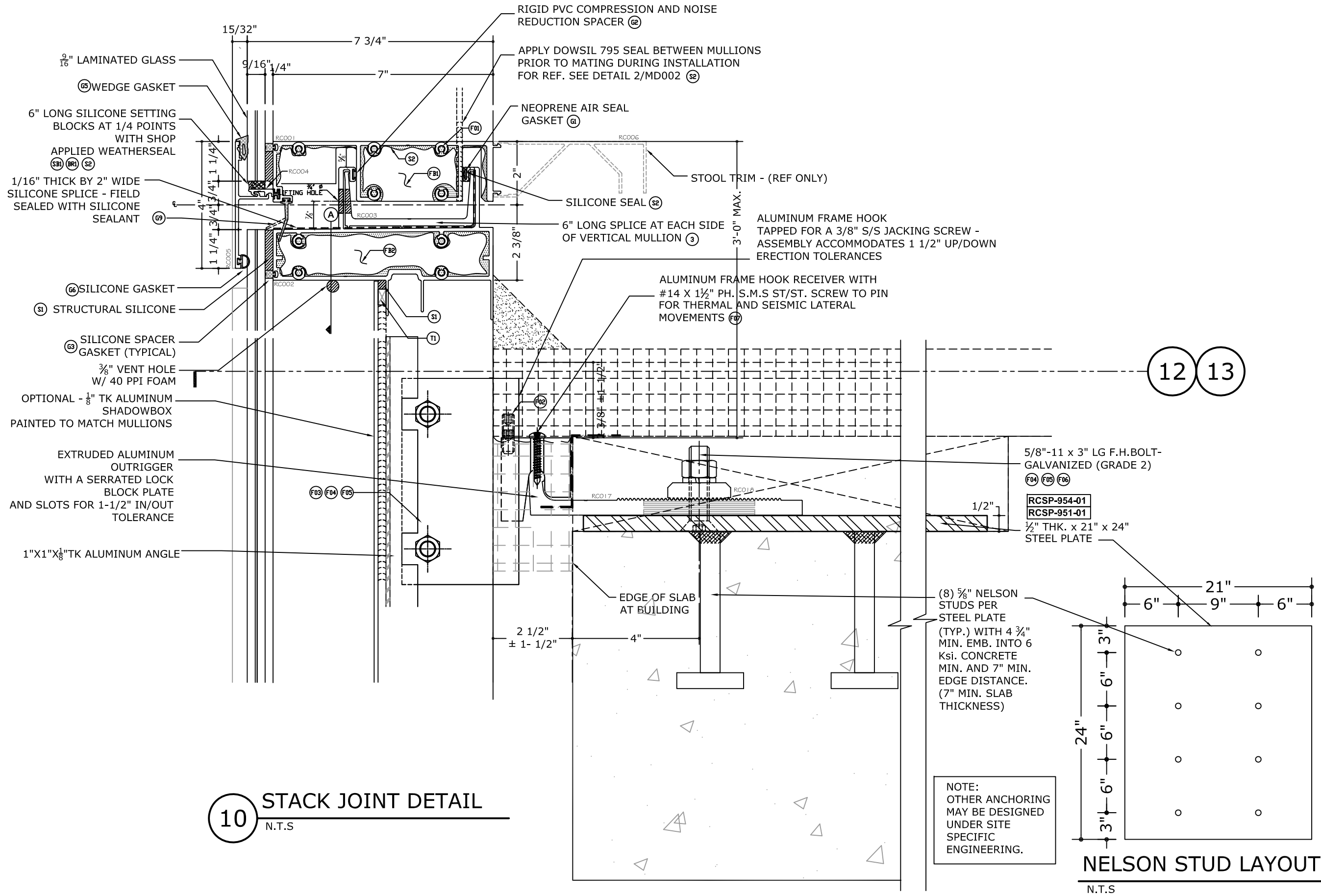
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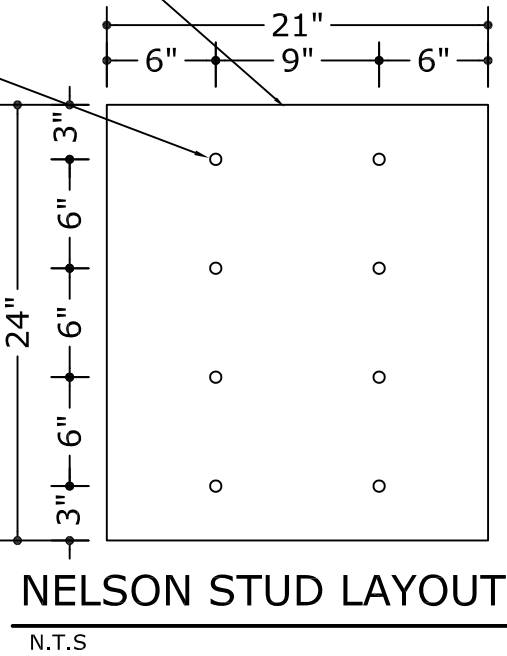
9 STACK JOINT DETAIL
N.T.S

N.T.S

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10 **STACK JOINT DETAIL**
N.T.S



NELSON STUD LAYOUT
N.T.S

NOTE:
OTHER ANCHORING
MAY BE DESIGNED
UNDER SITE
SPECIFIC
ENGINEERING.

FRANK BENNARDO, P.E.
PE# 0046549 CA, #9885

02/12/2021

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MISSILE LEVEL "D"
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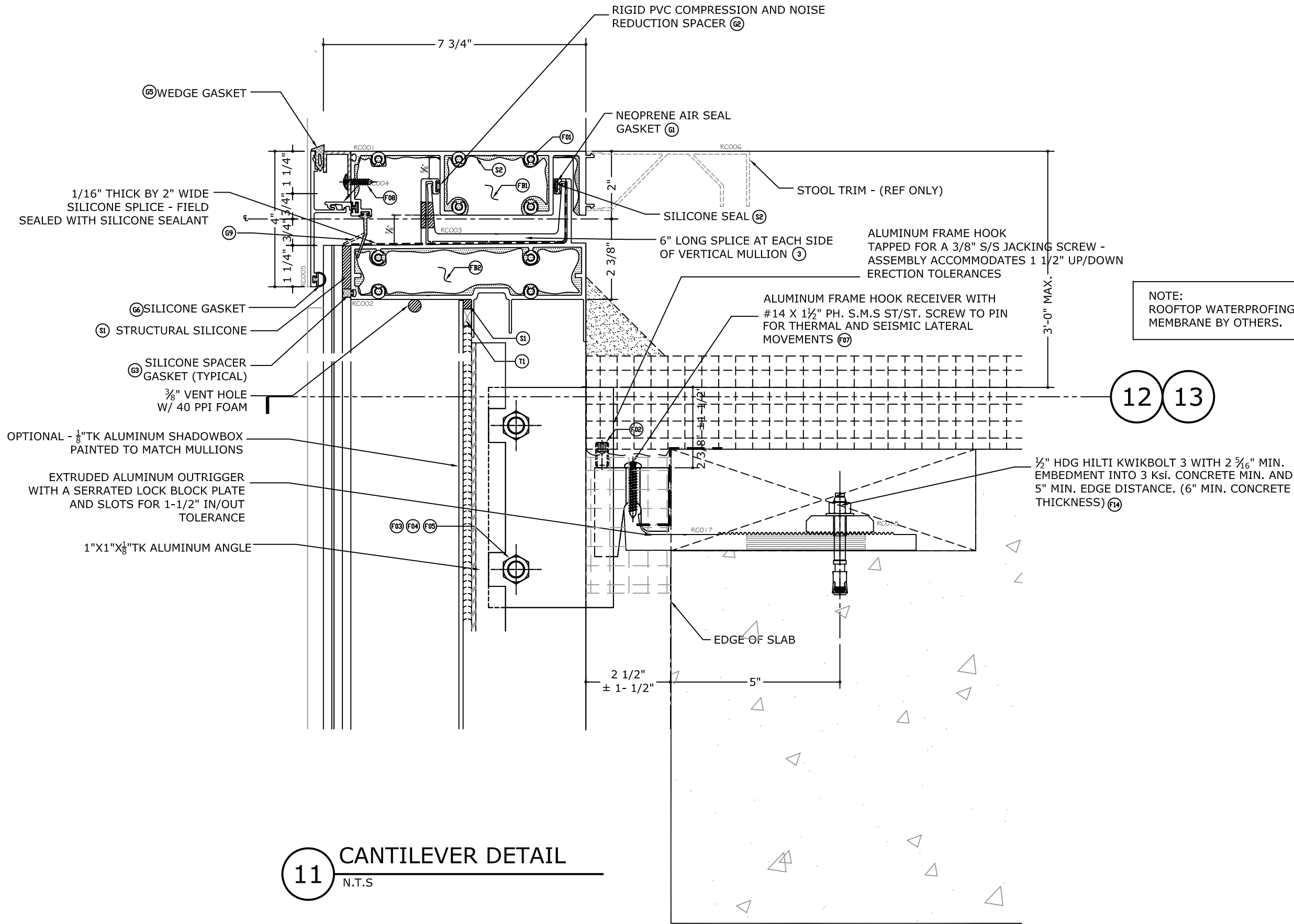
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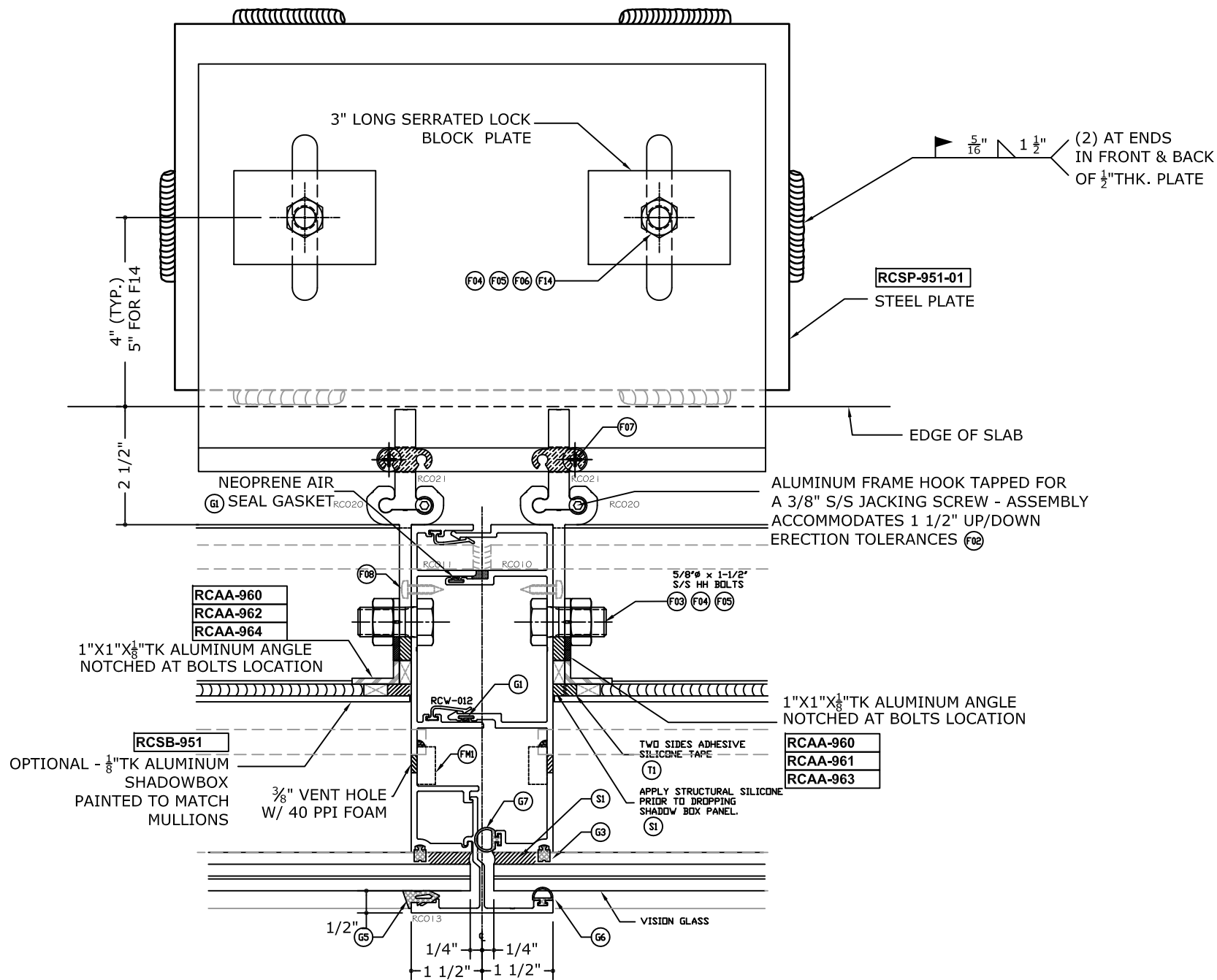


11 CANTILEVER DETAIL
N.T.S.

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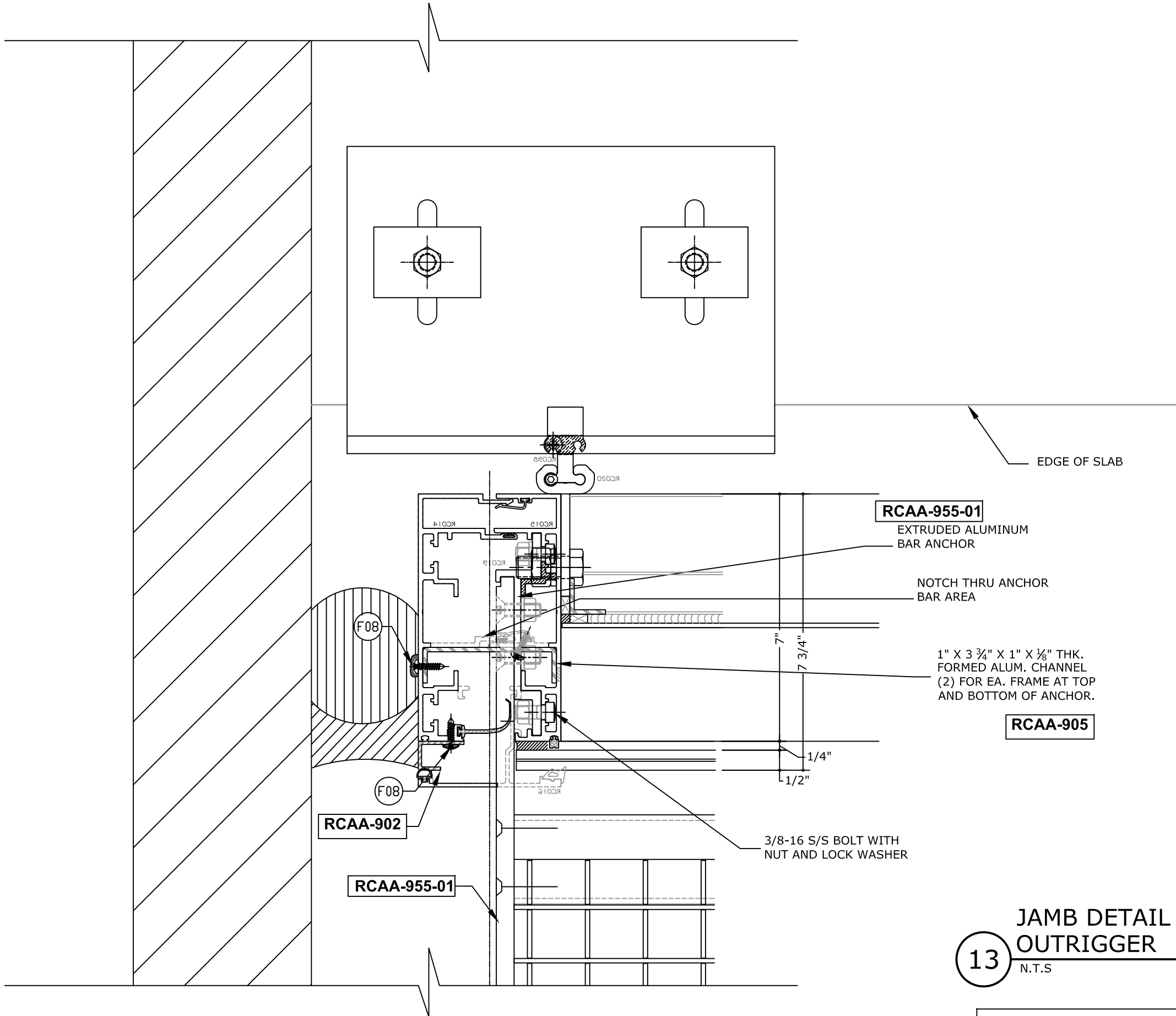
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JAMB DETAIL @ OUTRIGGER

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NOTE:
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SERIES 3580 CURTAIN WALL (LMI/SMI)
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REMARKS	NIT ISSUE	JEM	AJP	DRWN	CHKD	DATE
		-	-	-	-	06/09/20
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		-	-	-	-	

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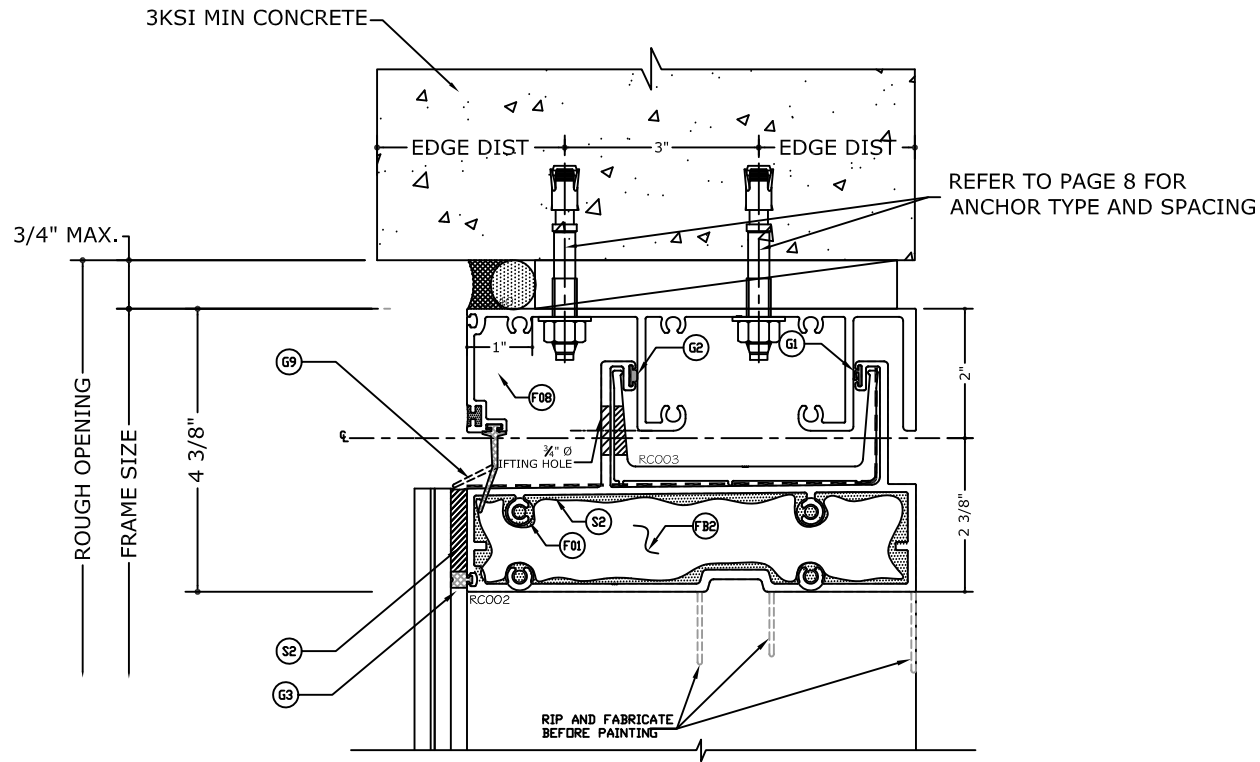
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OF
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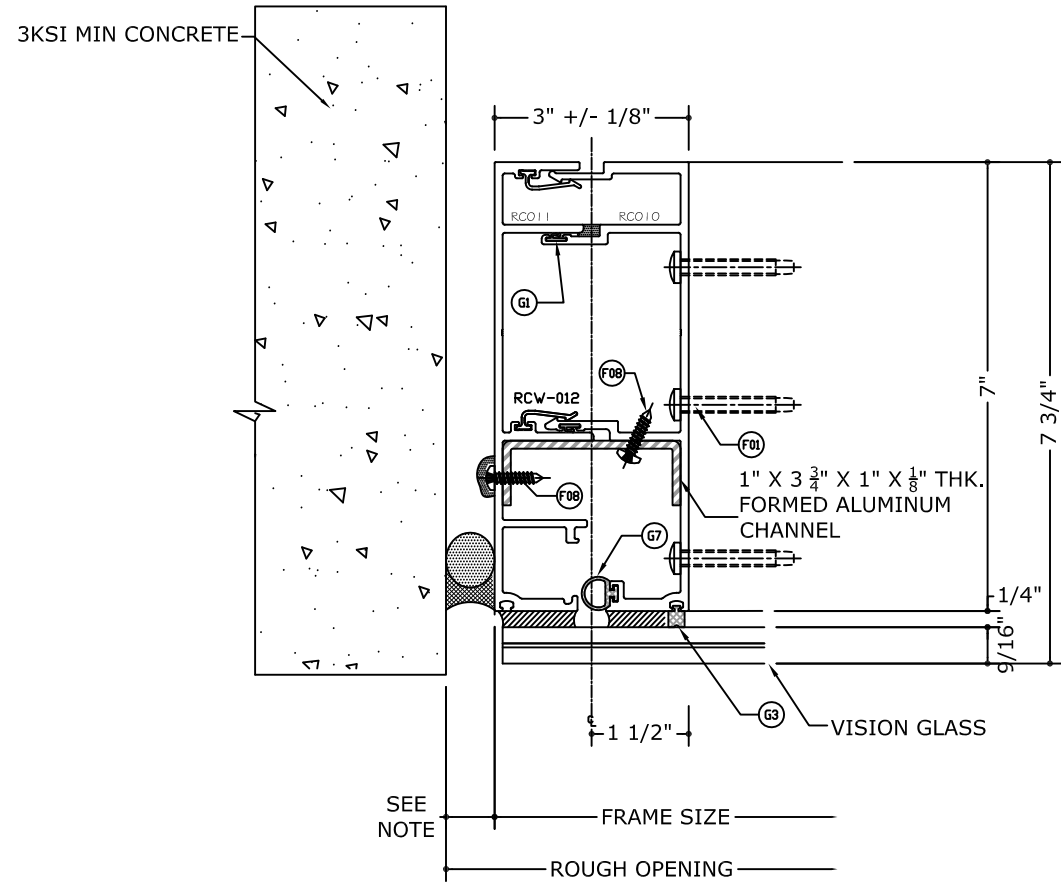
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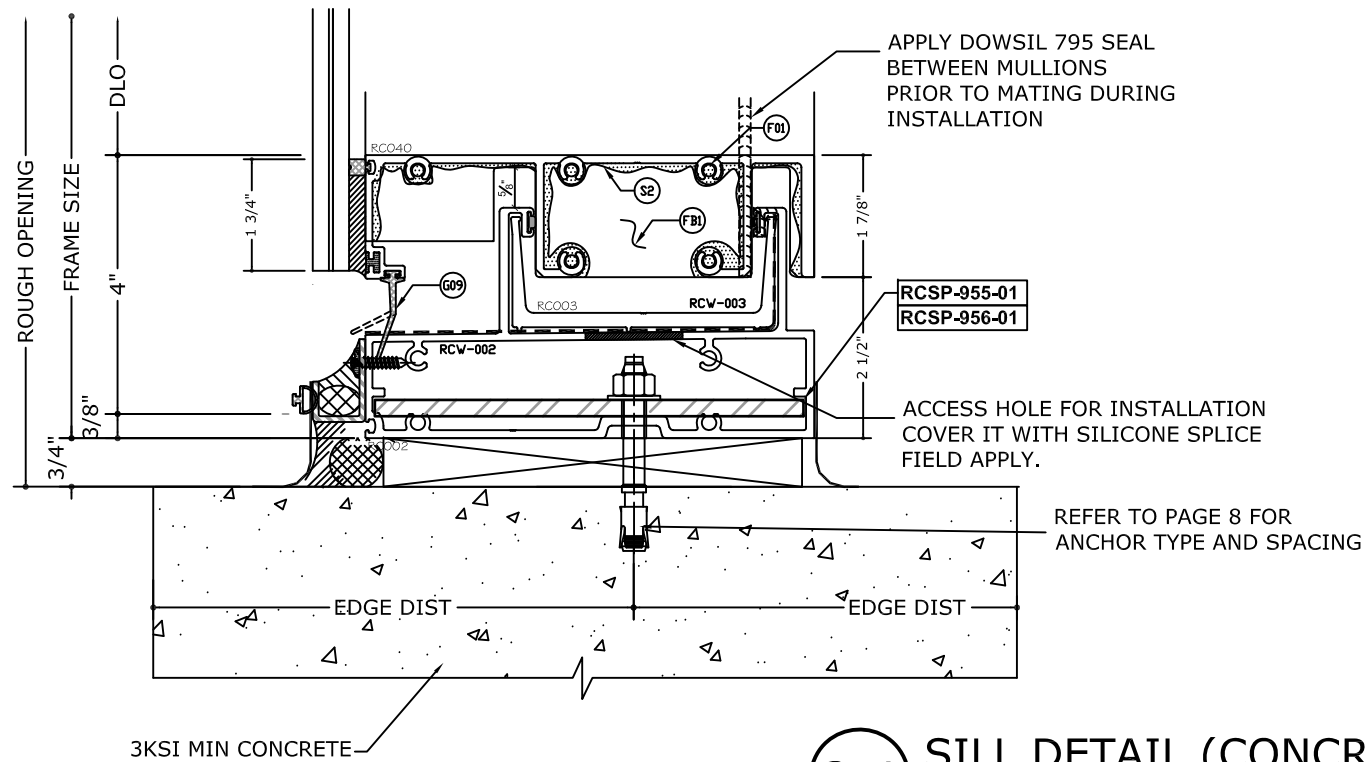


1.4 HEAD DETAIL (CONCRETE)
N.T.S



3.4 JAMB DETAIL (CONCRETE)
N.T.S

NOTE:
GAP TO BE DESIGNED ON A SITE SPECIFIC BASIS AND SHALL
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2.4 SILL DETAIL (CONCRETE)
N.T.S

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PE# 0046549 CA, #9885



FL#28401.1



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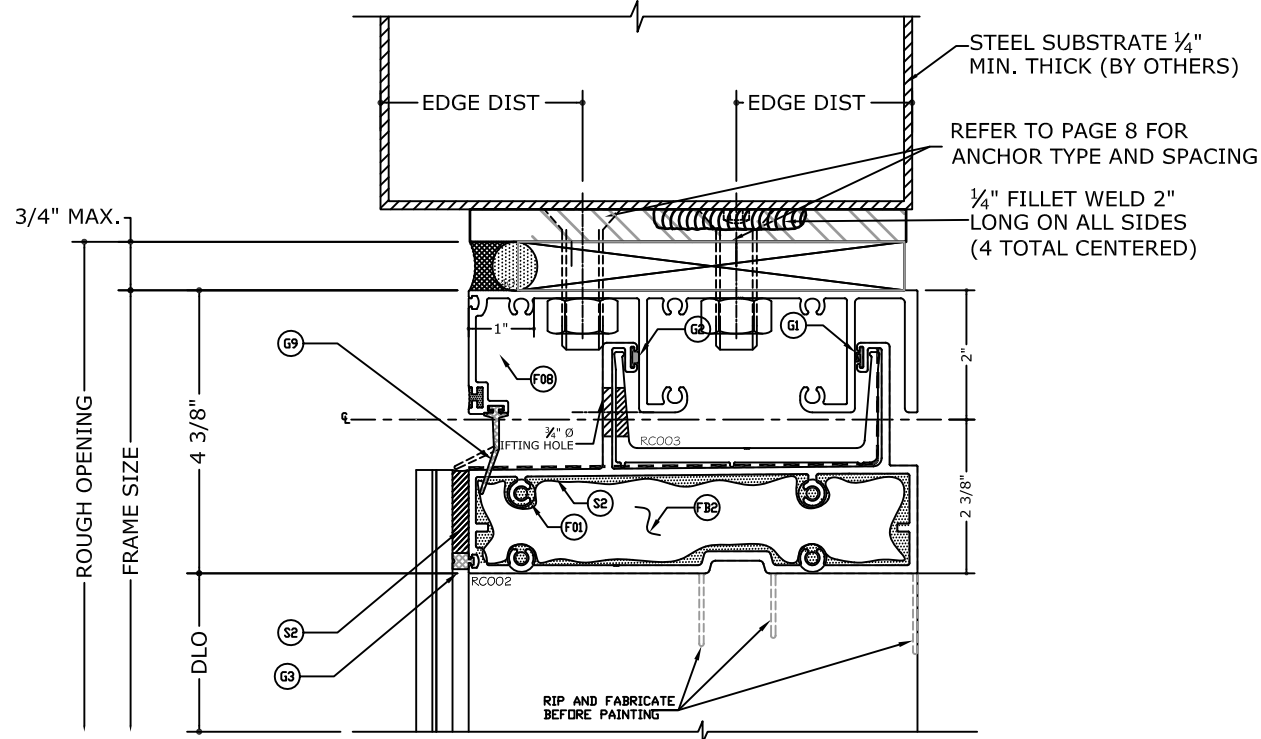
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SCALE: N.T.S. UNLESS NOTED

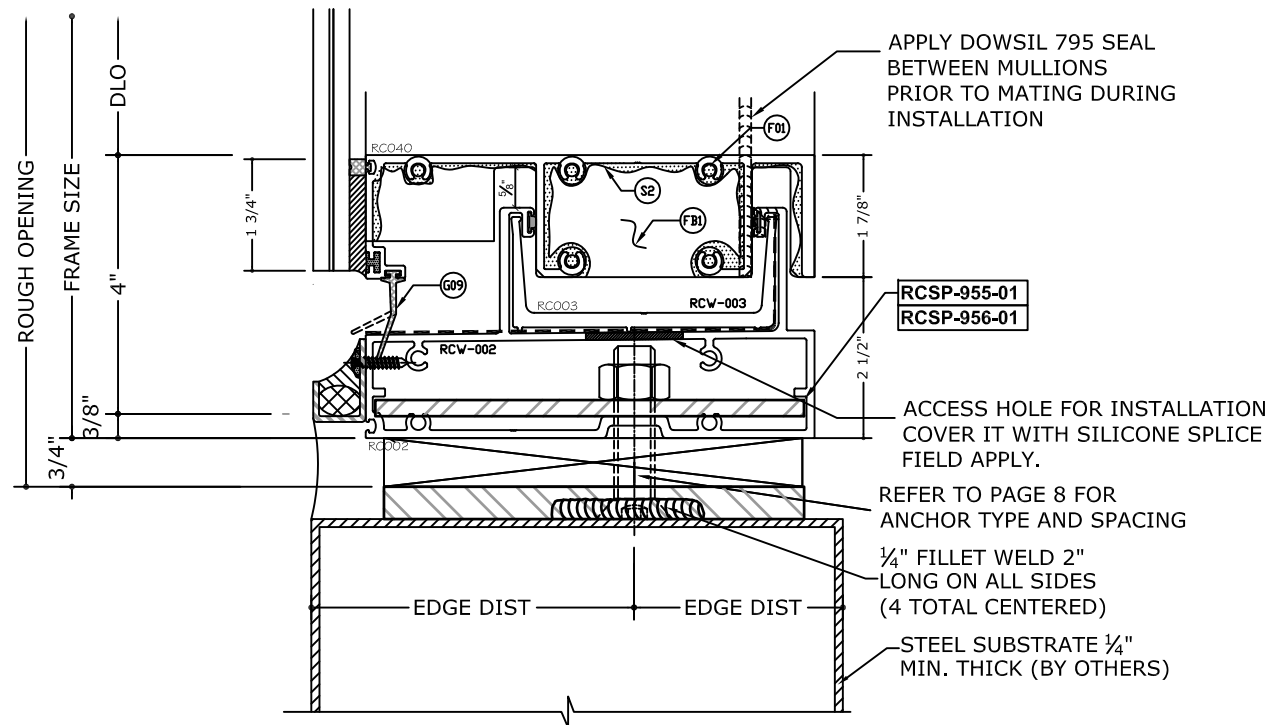
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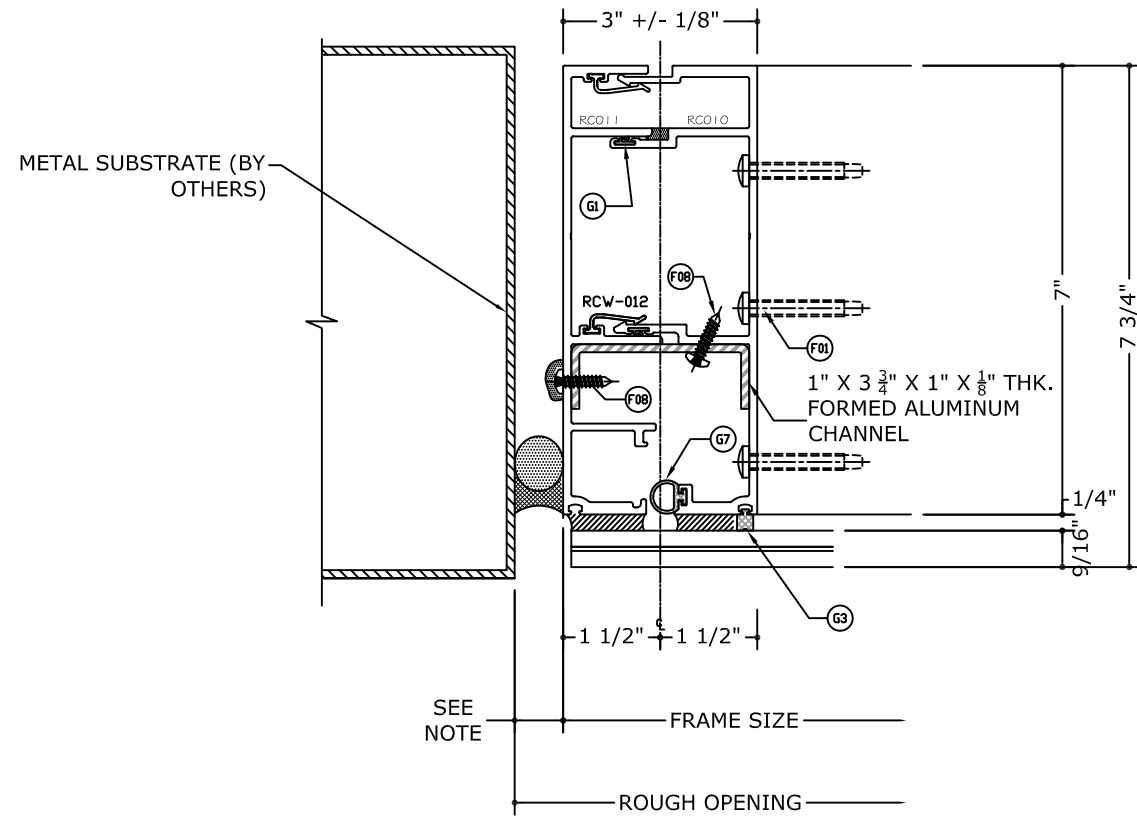
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1.5 HEAD DETAIL (METAL)
N.T.S

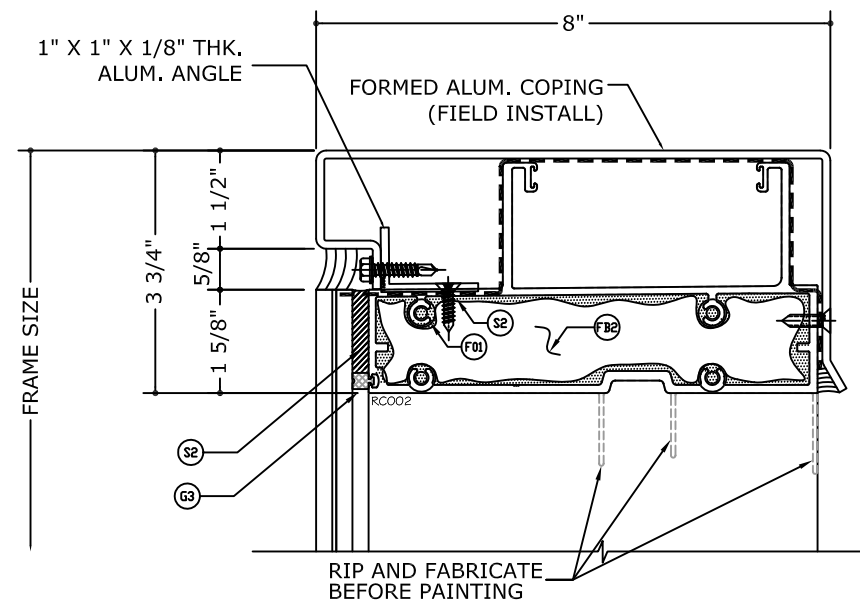


2.5 SILL DETAIL (METAL)
N.T.S



3.5 JAMB DETAIL (METAL)
N.T.S

NOTE:
GAP TO BE DESIGNED ON A SITE SPECIFIC BASIS AND SHALL FOLLOW SEALANT MANUFACTURER RECOMMENDATIONS.



4.5 HEAD AT CANTILEVER
N.T.S

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PE# 0046549 CA, #9885



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SERIES 3580 CURTAIN WALL (LMI/SMI)
MISSILE LEVEL "D"

FLORIDA STATE PRODUCT APPROVAL

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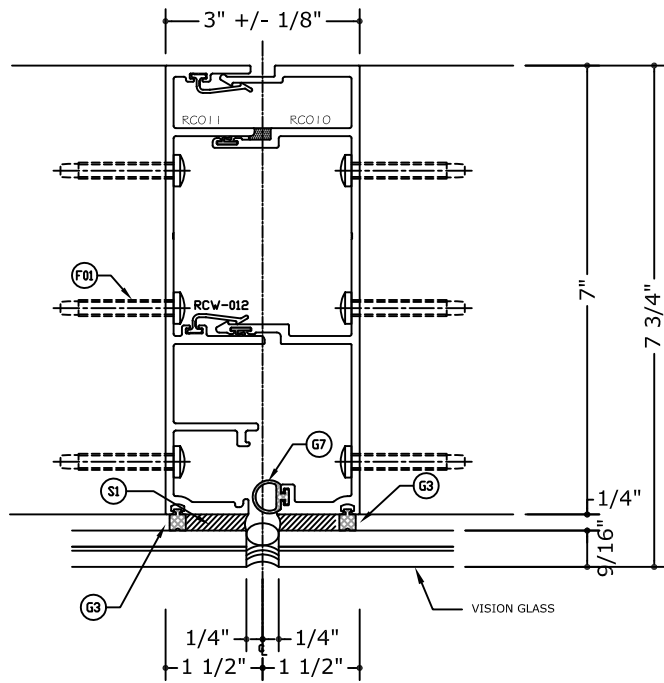
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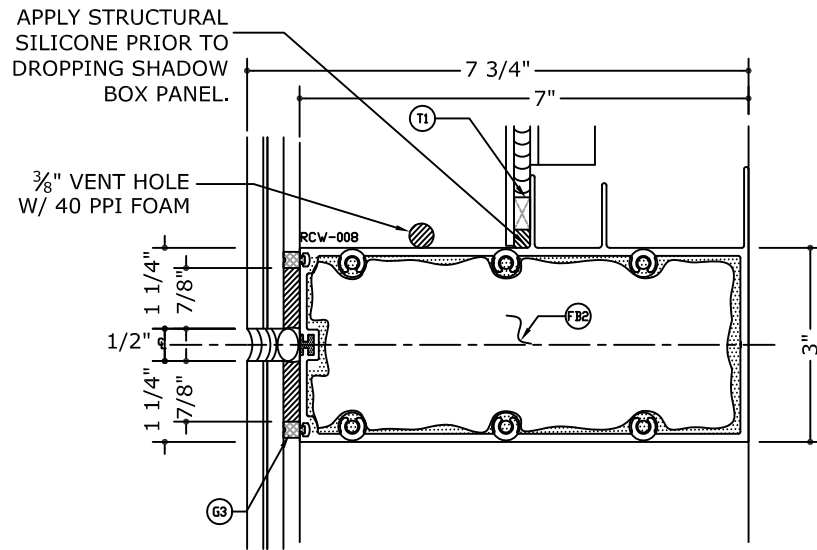
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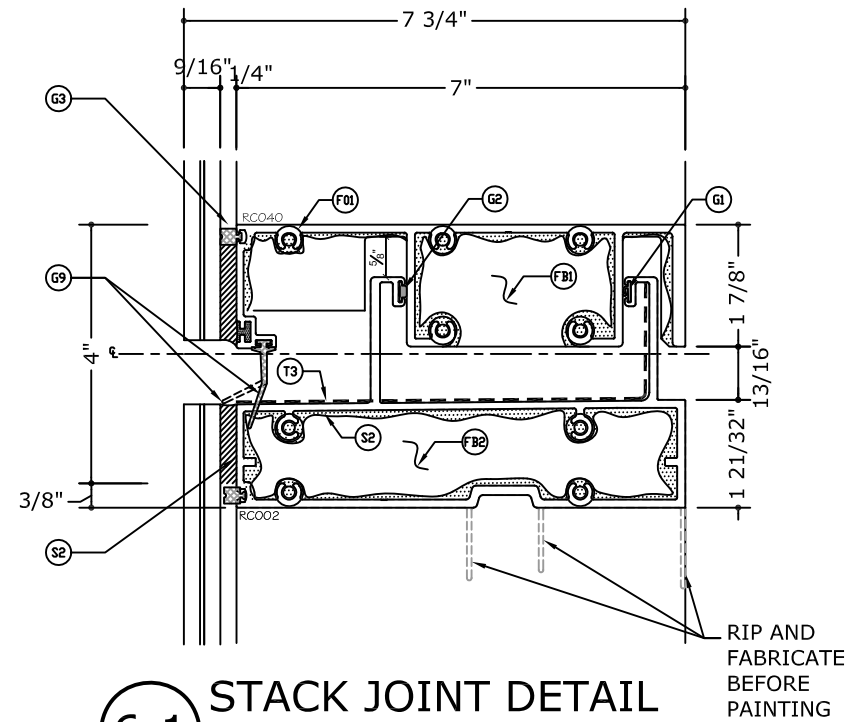
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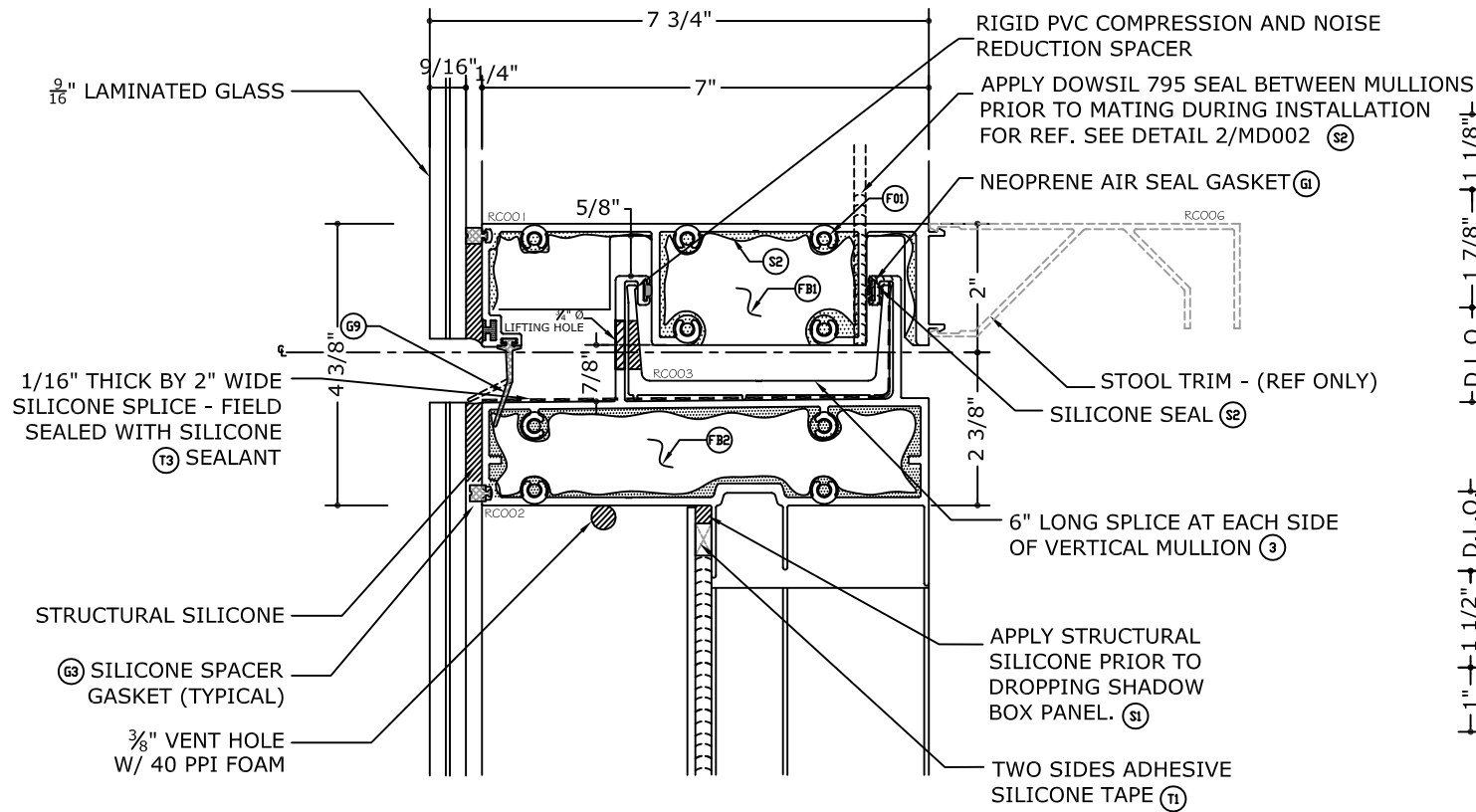
4.1 VERTICAL INTERMEDIATE DETAIL
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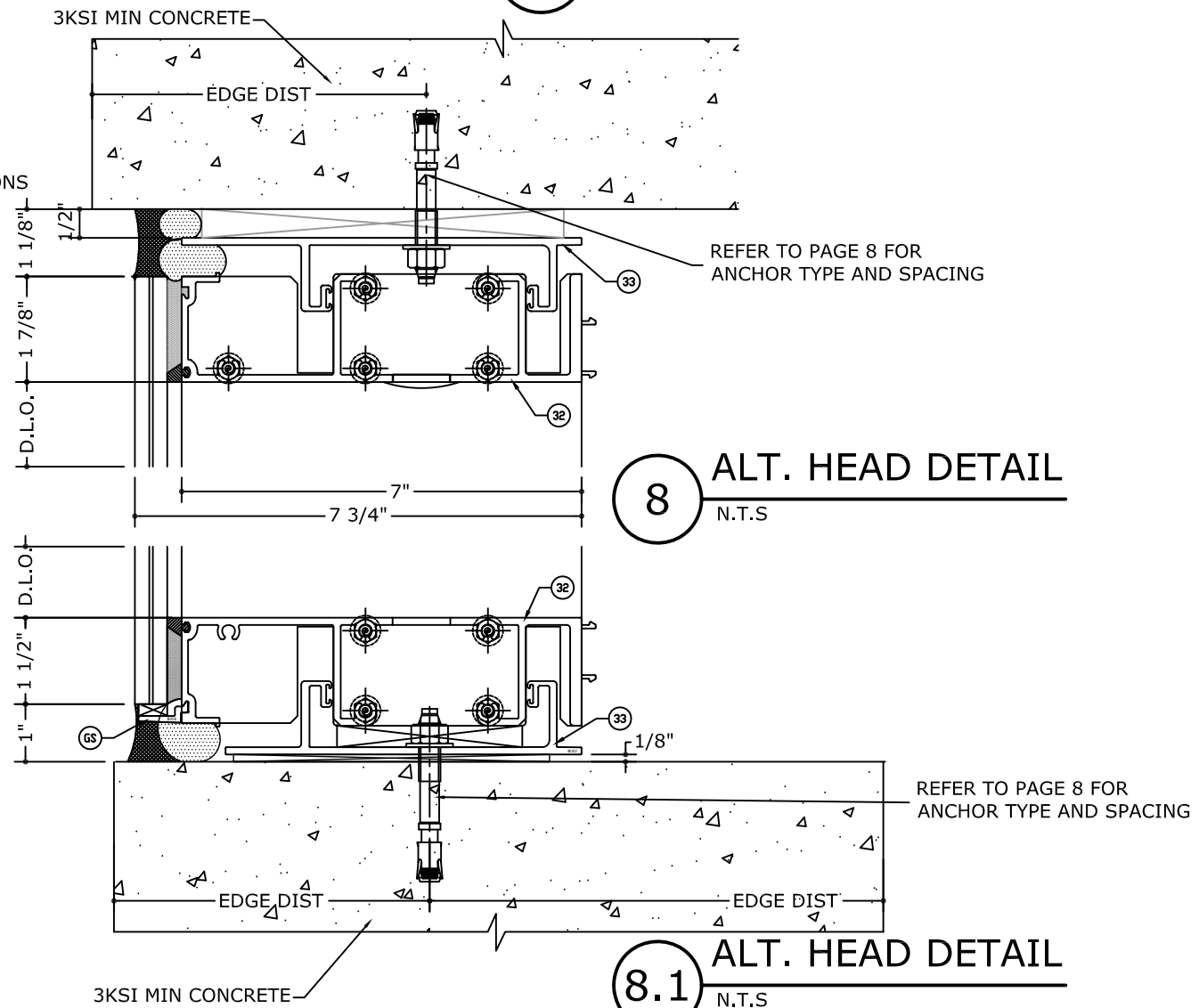
5.1 HORIZONTAL INTERMEDIATE DETAIL
N.T.S



6.1 STACK JOINT DETAIL
N.T.S



7.1 STACK JOINT DETAIL
N.T.S



8 ALT. HEAD DETAIL
N.T.S

8.1 ALT. HEAD DETAIL
N.T.S

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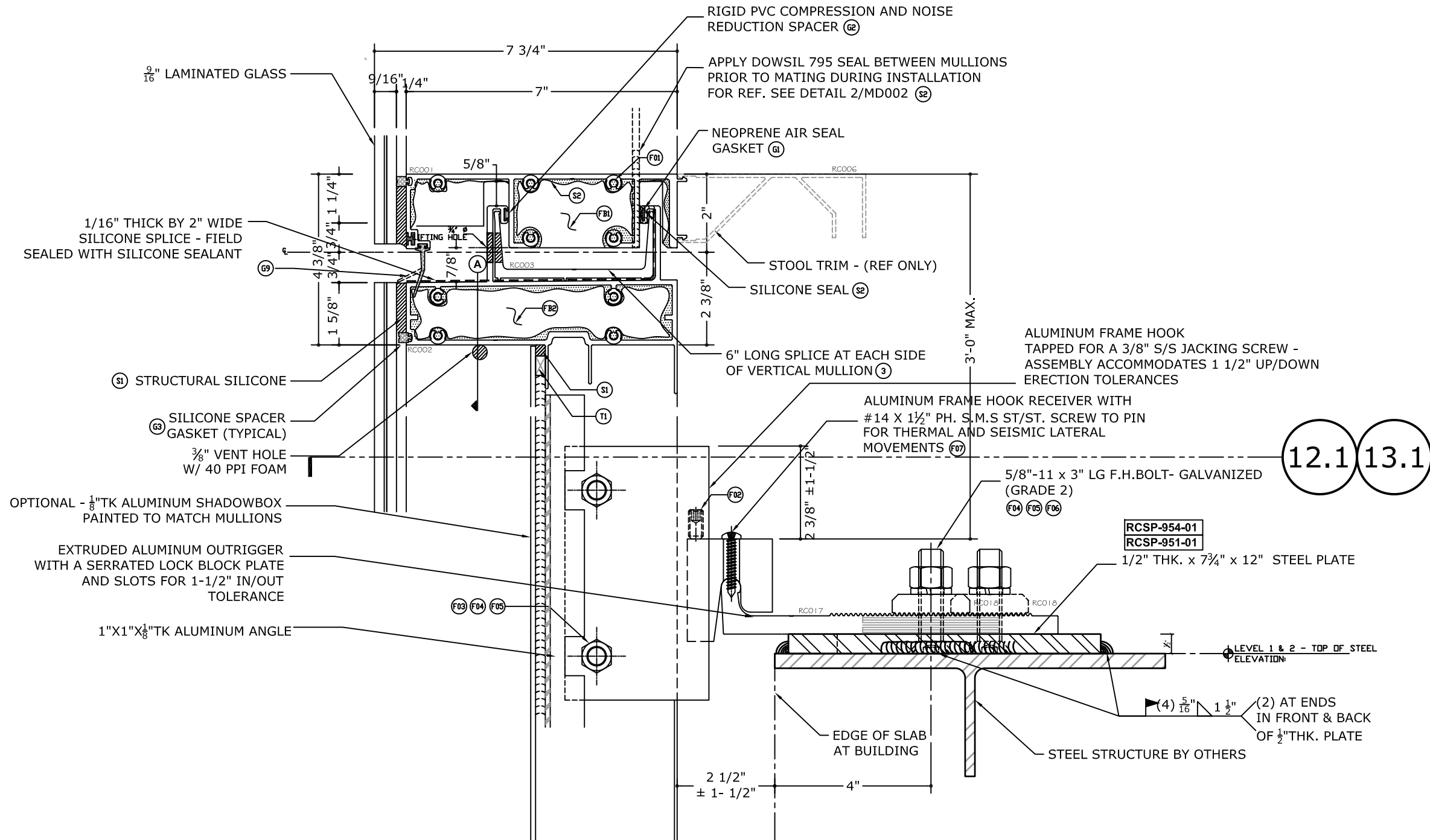
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9.1 STACK JOINT DETAIL
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SERIES 3580 CURTAIN WALL (1 MI/SMI)

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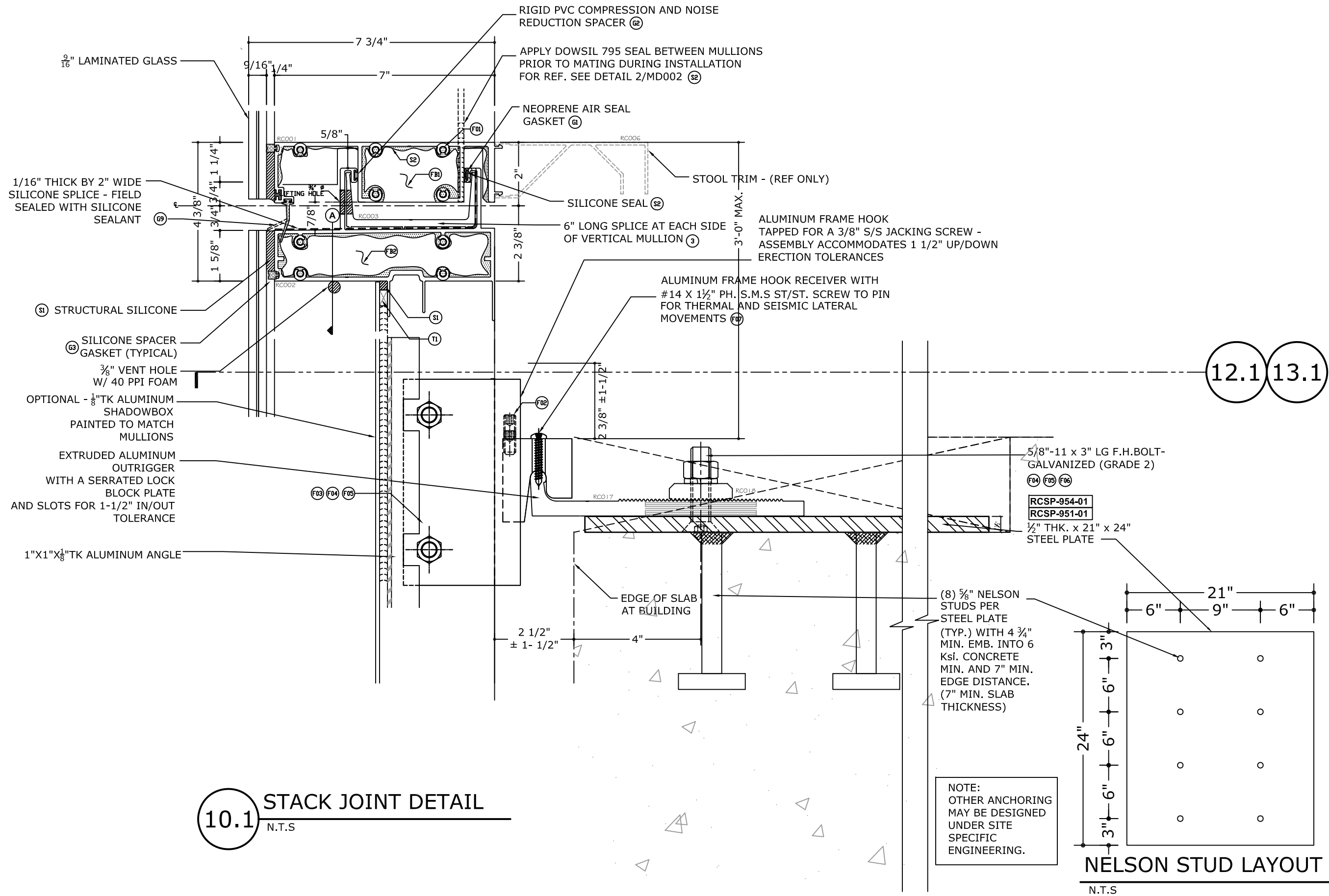
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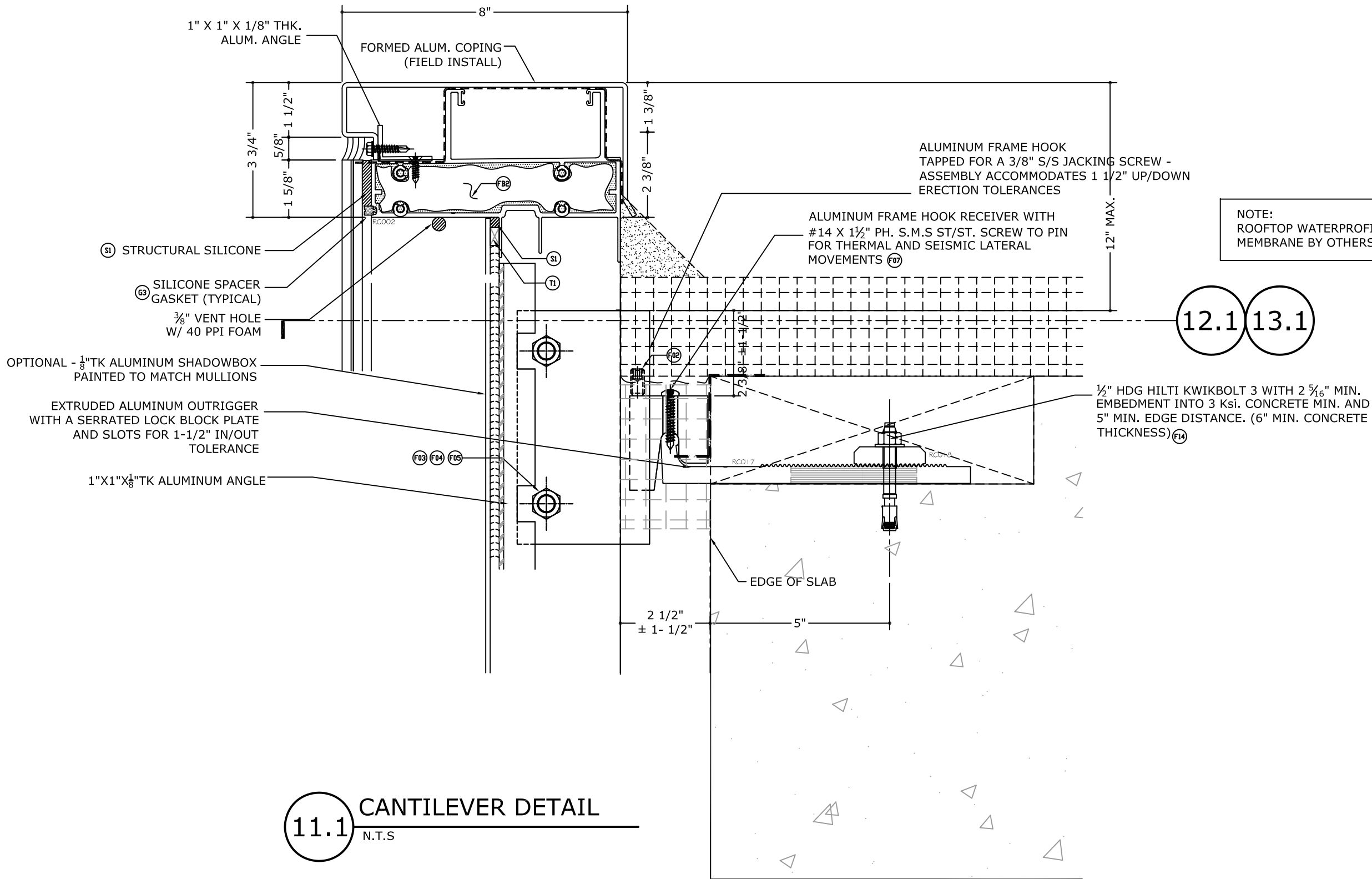
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11.1 CANTILEVER DETAIL
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MISSILE LEVEL "D"

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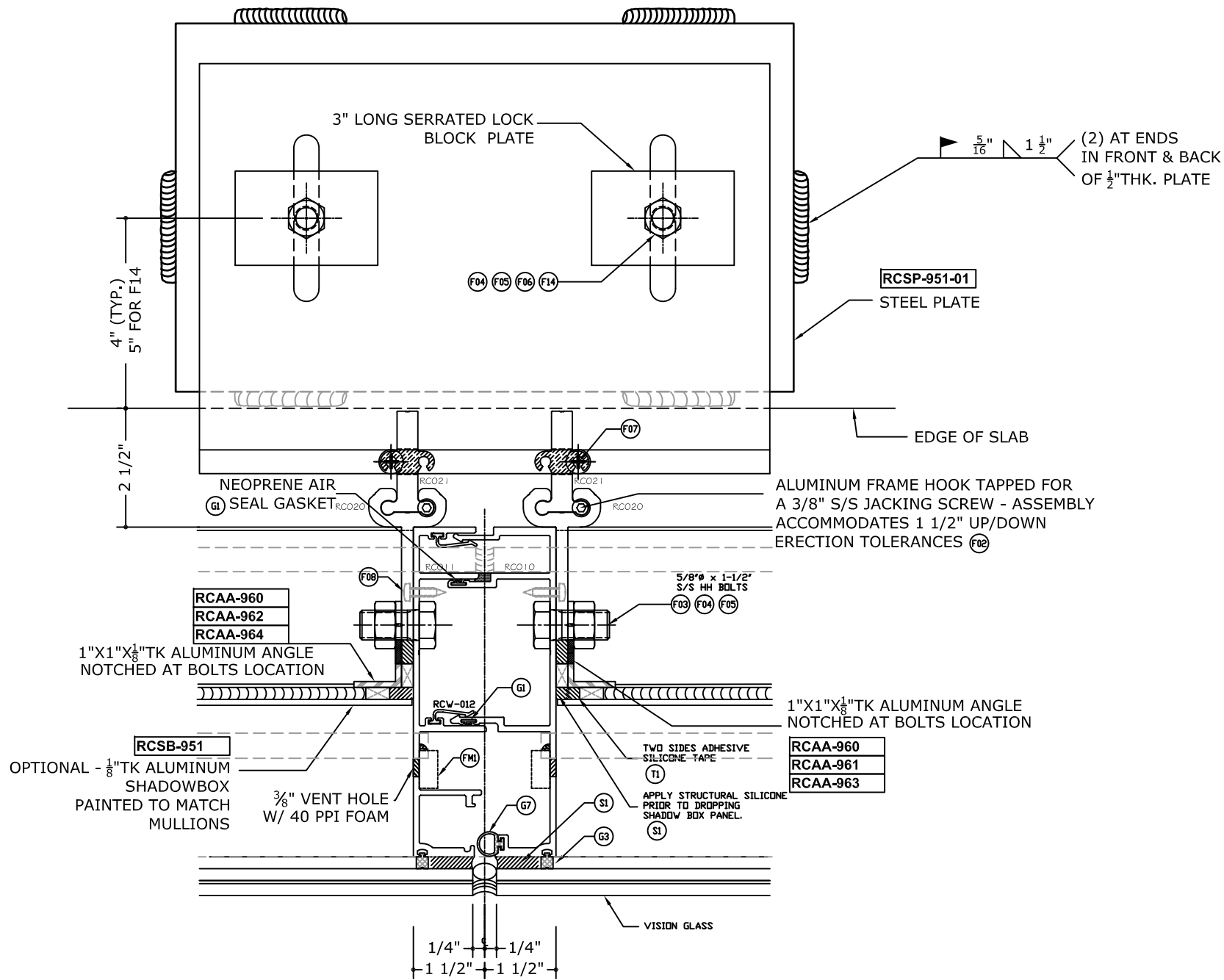
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12.1

VERTICAL INTERMEDIATE
DETAIL @ OUTRIGGER

N.T.S

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PE# 0046549 CA, #9885



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SERIES 3580 CURTAIN WALL (LMI/SMI)

MISSILE LEVEL "D"

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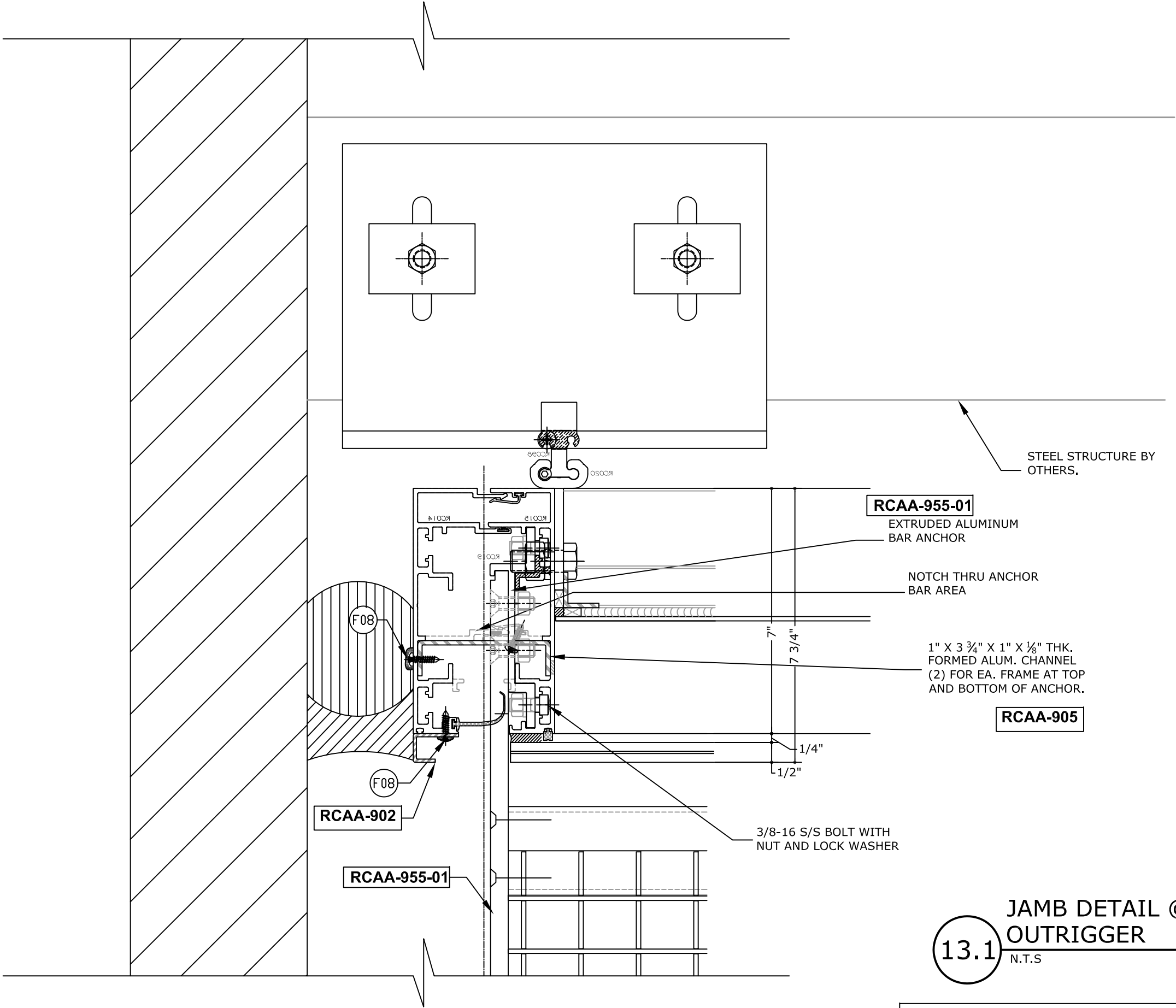
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13.1 JAMB DETAIL @
N.T.S. OUTRIGGER

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SERIES 3580 CURTAIN WALL (LMI/SMI)
MISSILE LEVEL "D"

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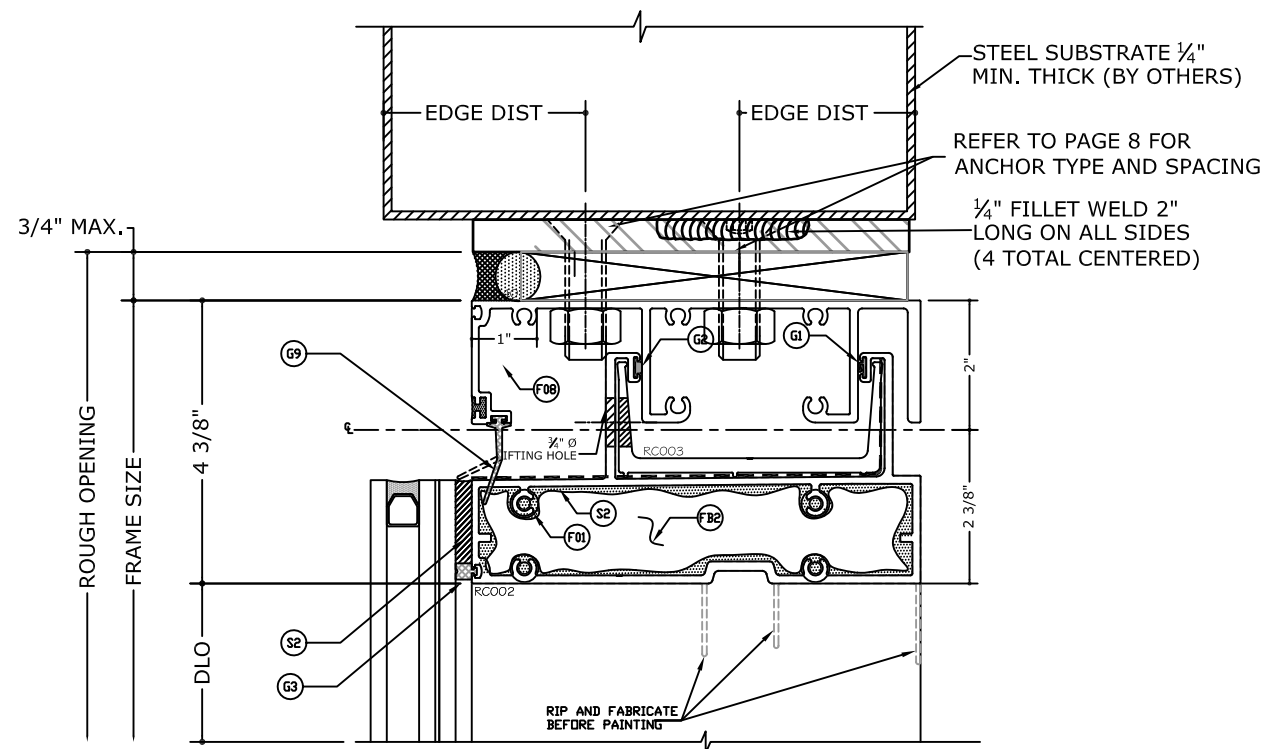
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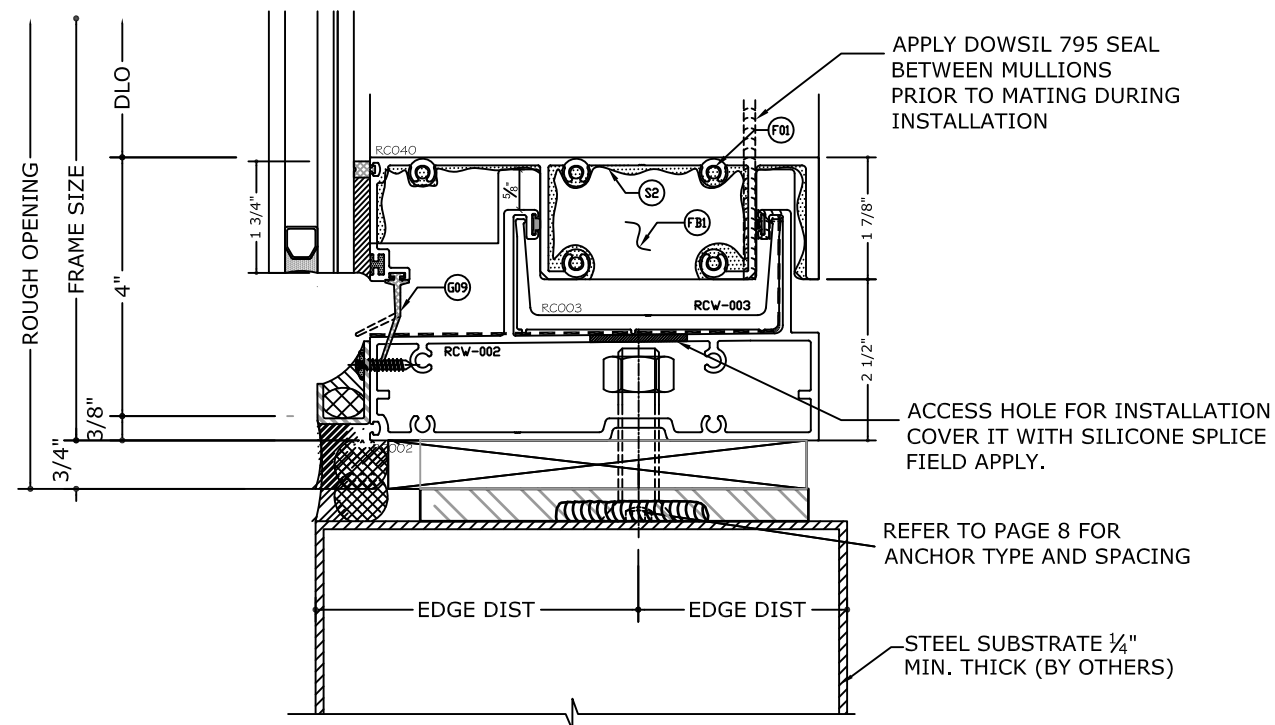
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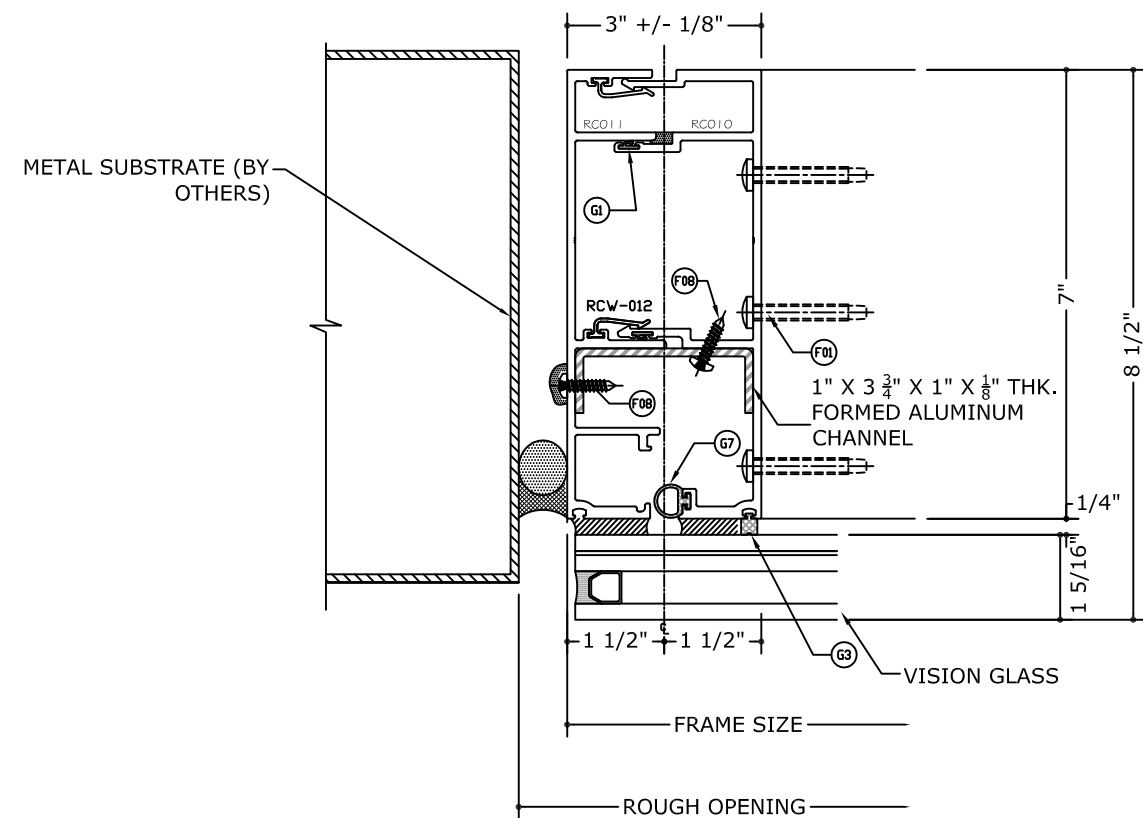
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1.8 HEAD DETAIL (METAL)
N.T.S

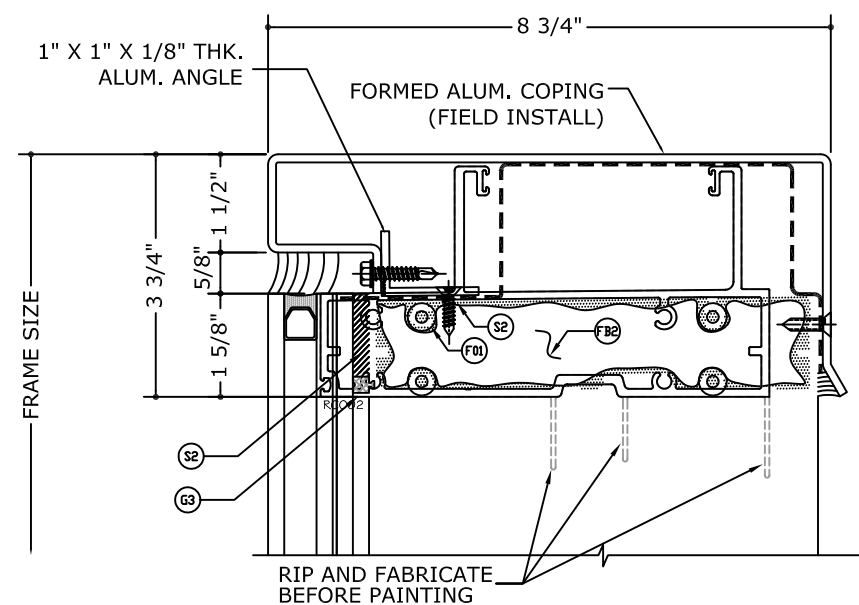


2.8 SILL DETAIL (METAL)
N.T.S



3.8 JAMB DETAIL (METAL)

NOTE:
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4.8 HEAD AT CANTILEVER



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SERIES 3500 CURTAIN WALL (UMT/CMT)

SERIES 3380 CURTAIN WALL (LMI/SMI)
MISSILE FIVE "D"

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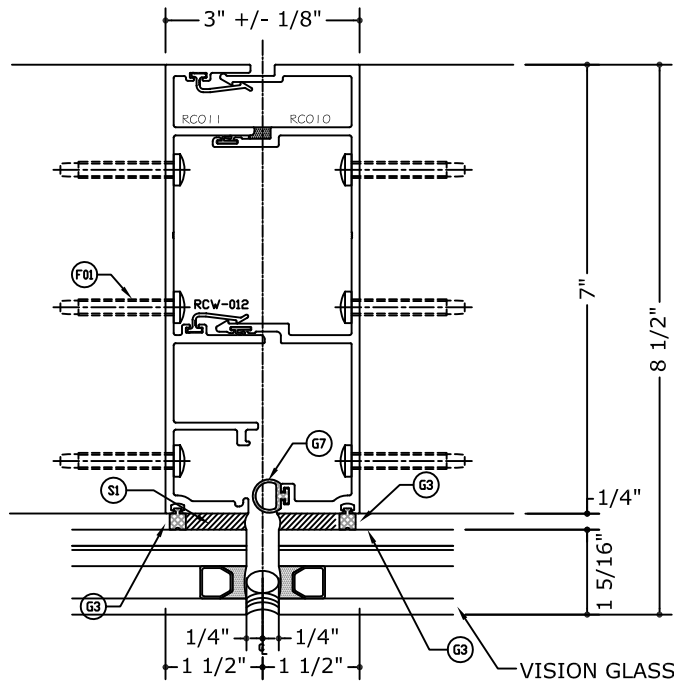
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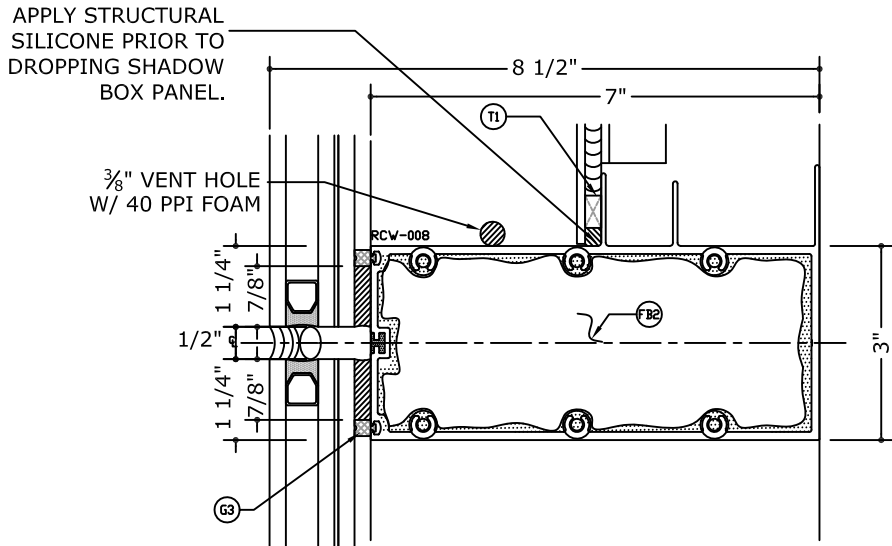
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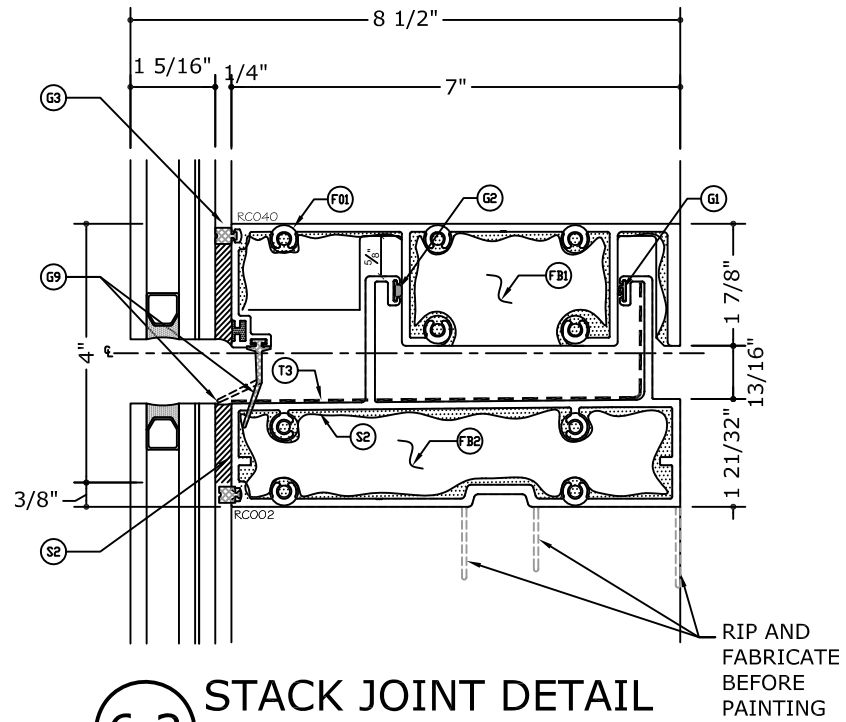
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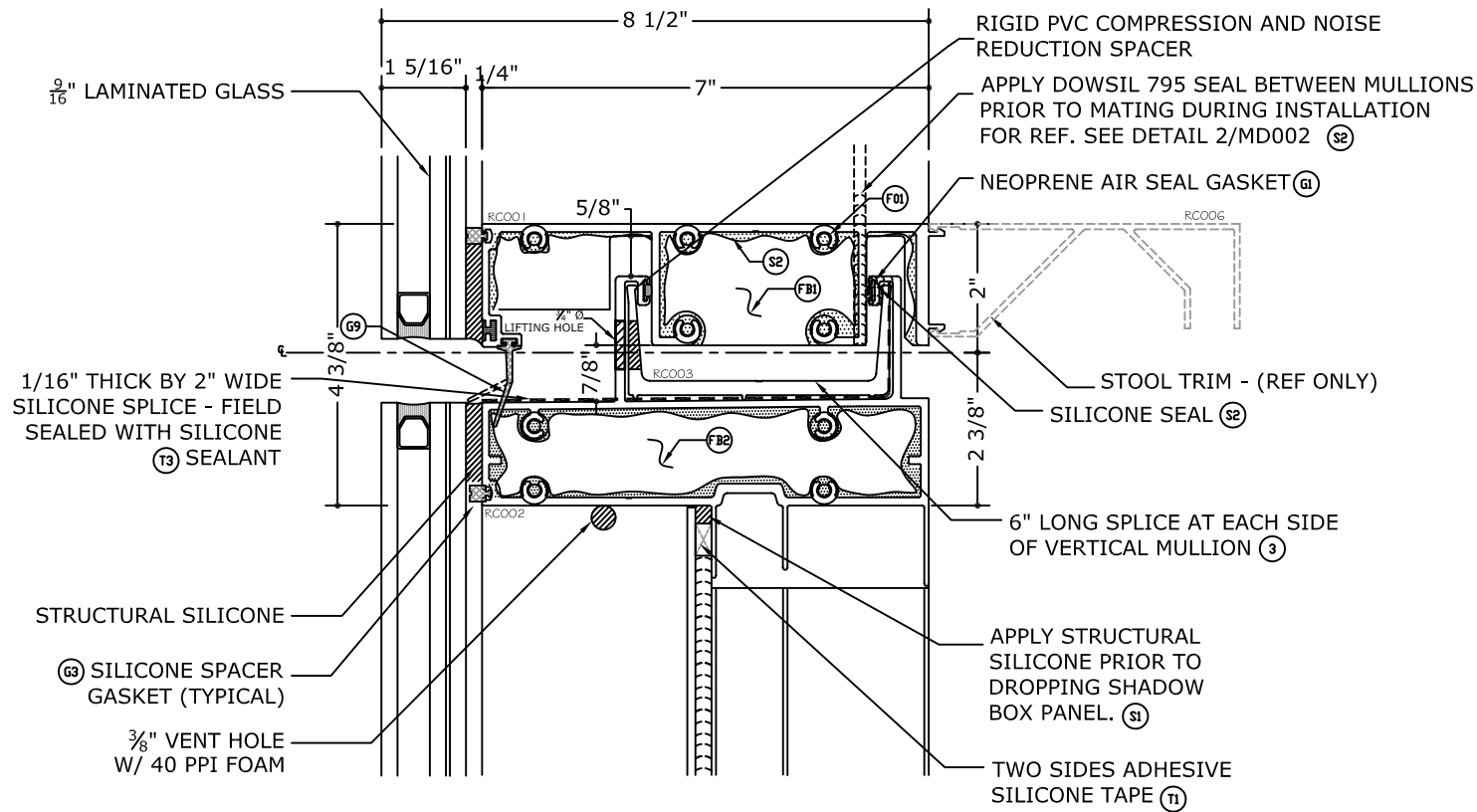
4.2 VERTICAL INTERMEDIATE DETAIL
N.T.S



5.2 HORIZONTAL INTERMEDIATE DETAIL
N.T.S



6.2 STACK JOINT DETAIL
N.T.S



7.2 STACK JOINT DETAIL
N.T.S

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PE# 0046549 CA, #9885



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SERIES 3580 CURTAIN WALL (LMI/SMI)
MISSILE LEVEL "D"
FLORIDA STATE PRODUCT APPROVAL

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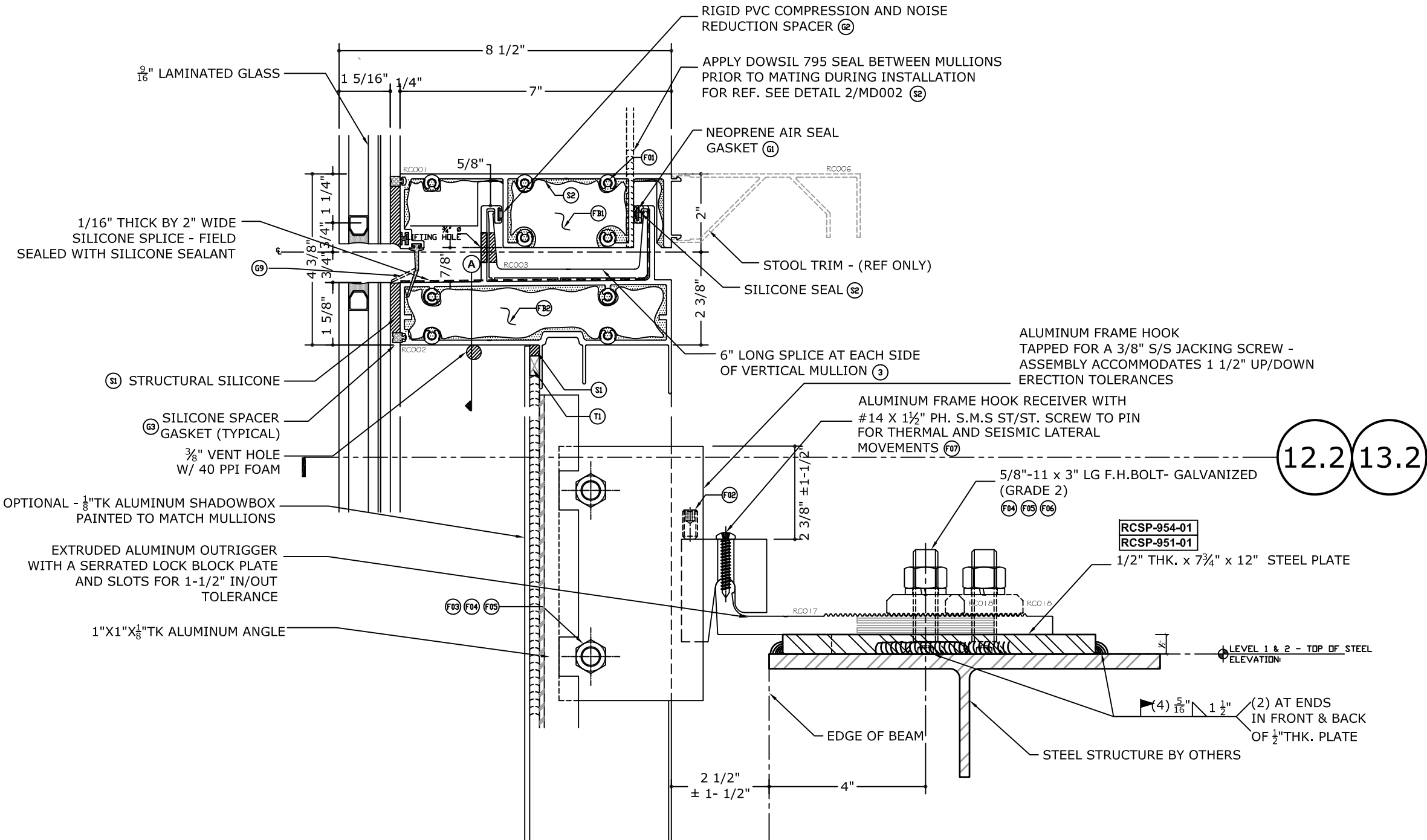
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34

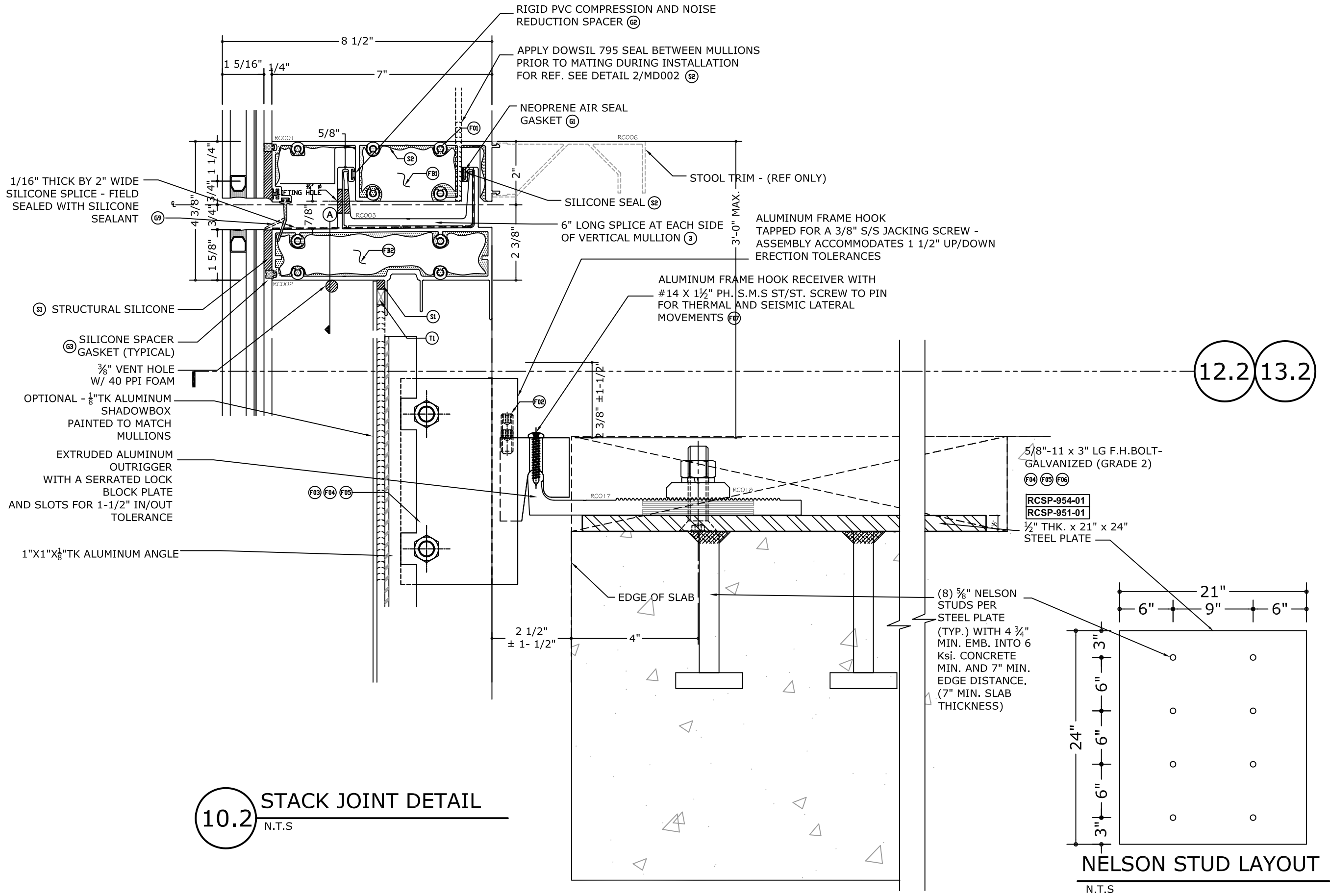


9.2 STACK JOINT DETAIL
N.T.S

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10.2 STACK JOINT DETAIL
N.T.S

NELSON STUD LAYOUT
N.T.S

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DE80 CURTAIN WALL (1 MI/CMT)

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REMARKS	DRWN	CHKD	DATE
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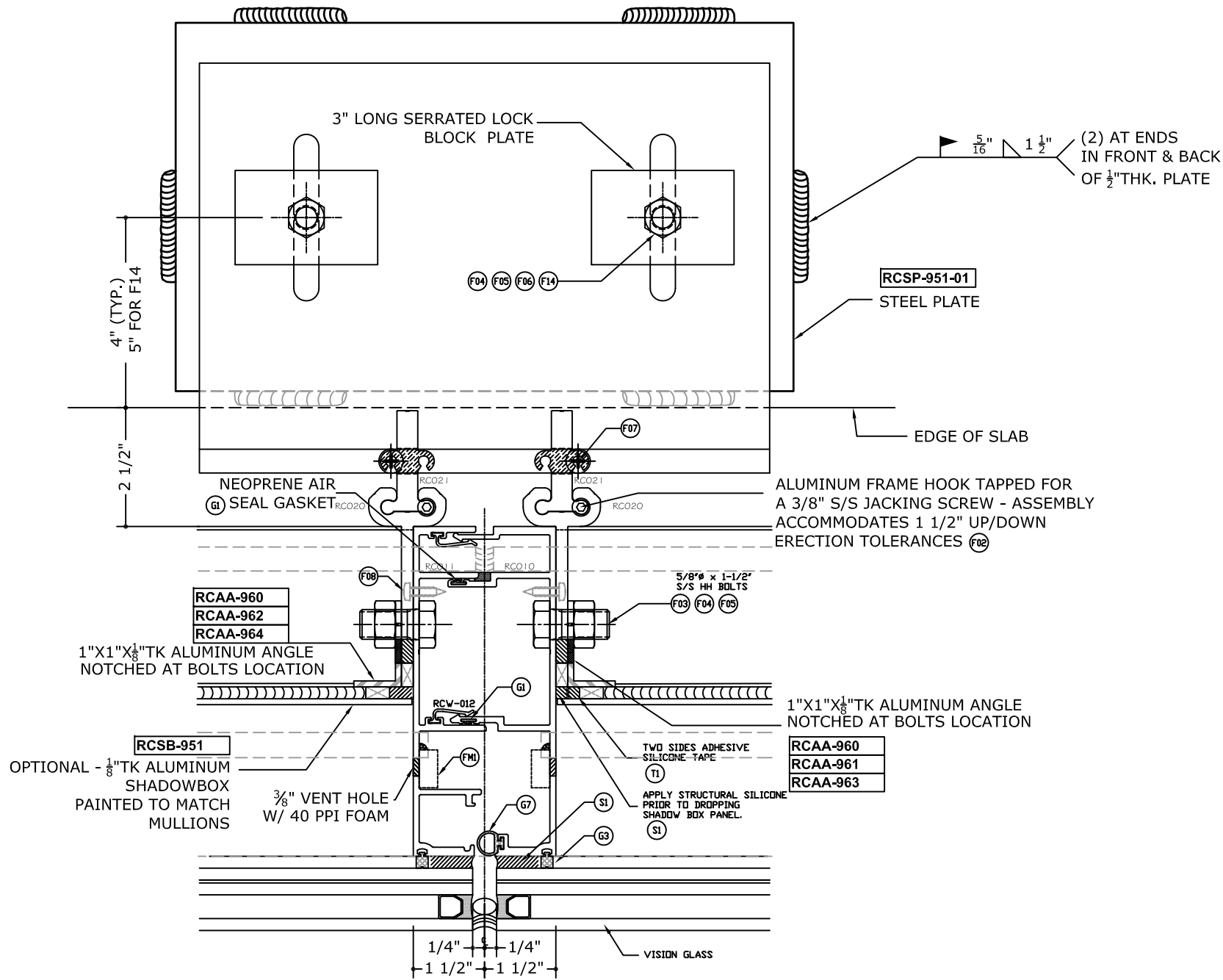
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OF
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12.2 VERTICAL INTERMEDIATE
DETAIL @ OUTRIGGER
N.T.S

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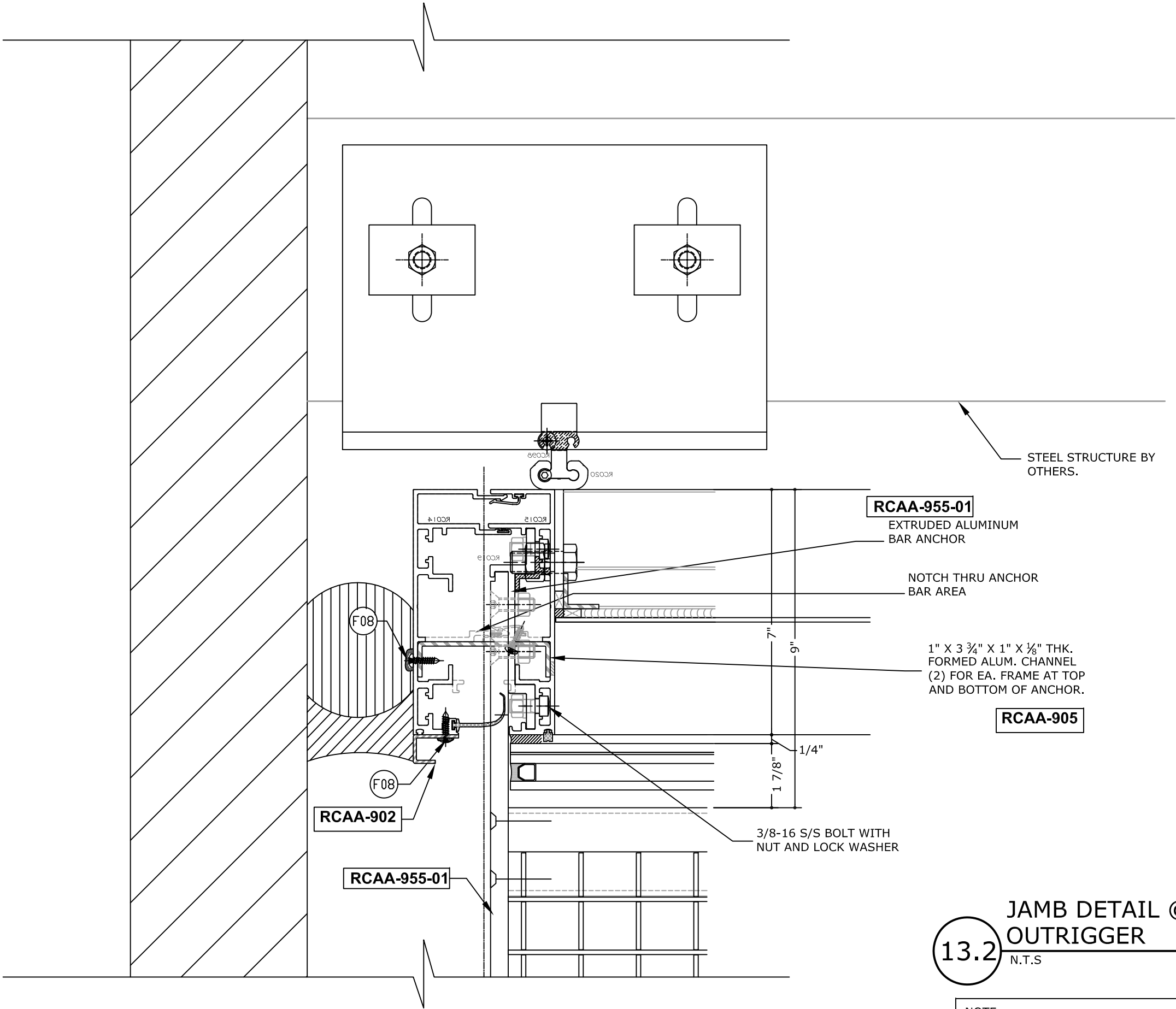
OF 40

37

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13.2 JAMB DETAIL @ OUTRIGGER

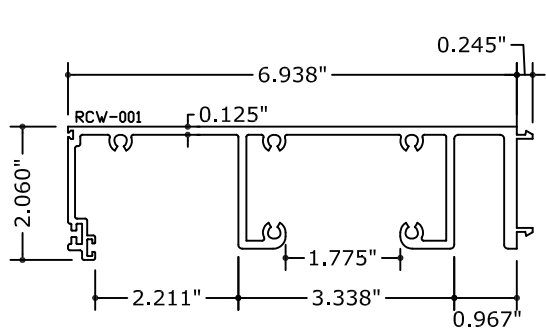
NOTE:
GAP TO BE DESIGNED ON A SITE SPECIFIC BASIS AND SHALL FOLLOW SEALANT MANUFACTURER RECOMMENDATIONS.

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/09/20

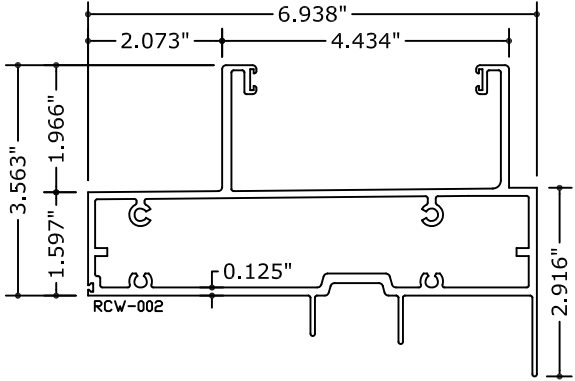
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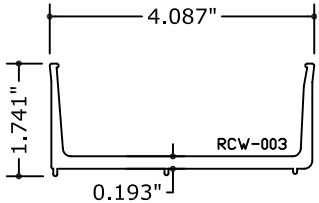
PARTS LIST



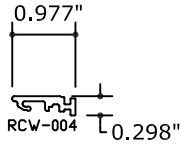
1 SILL AT STACK JOINT



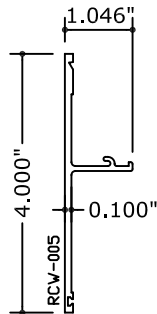
2 GUTTER HEAD AT STACK JOINT



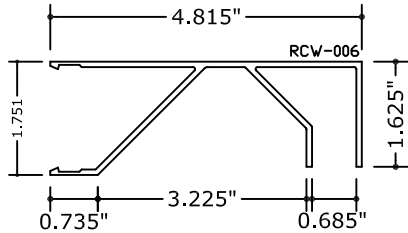
3 SPLICE FOR GUTTER



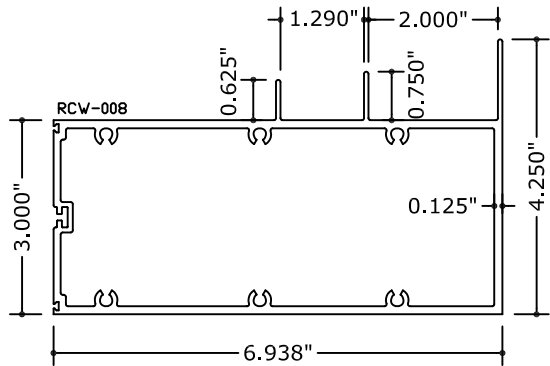
4 COVER ADAPTOR



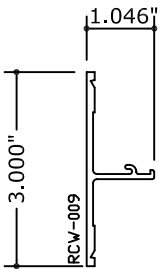
5 COVER FOR STACK JOINT



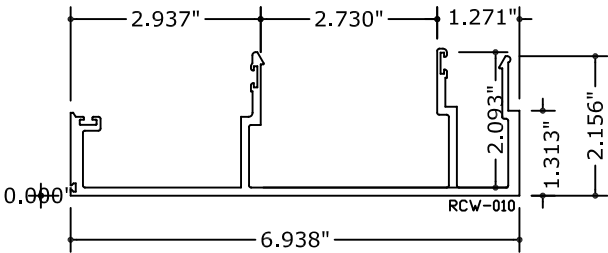
6 STOOL TRIM



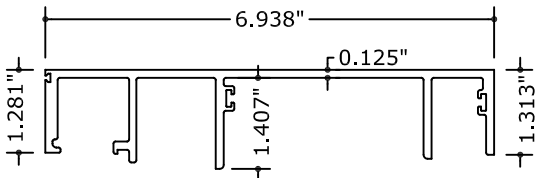
8 INTERMEDIATE HORIZONTAL - SPANDREL / VISION



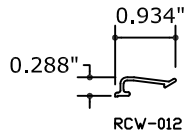
9 COVER FOR INTERMEDIATE HORIZONTAL



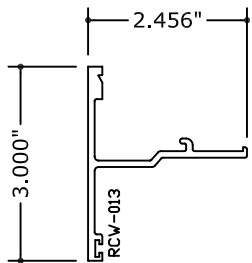
10 3" MULLION MALE



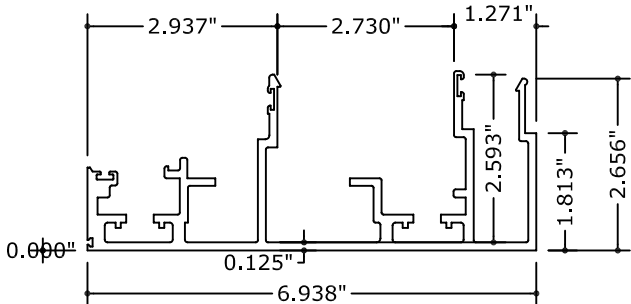
11 3" MULLION FEMALE



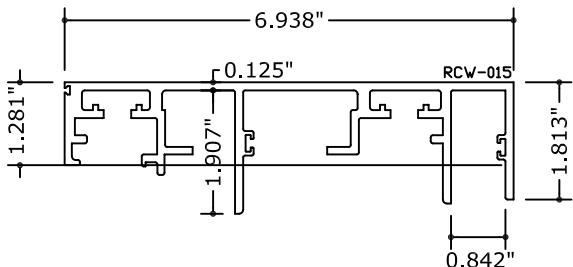
12 BUCKLING CLIP



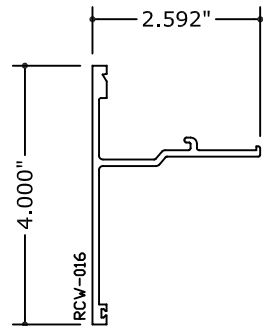
13 3" VERTICAL COVER



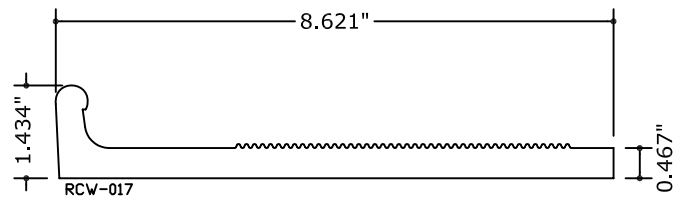
14 4" MULLION MALE - DOUBLE WALL



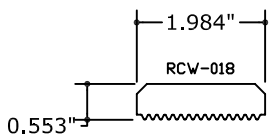
15 4" MULLION FEMALE - DOUBLE WALL



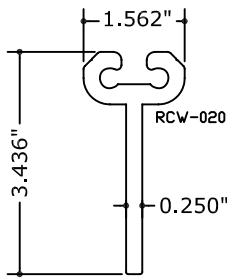
16 4" VERTICAL COVER



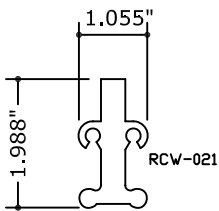
17 OUTRIGGER



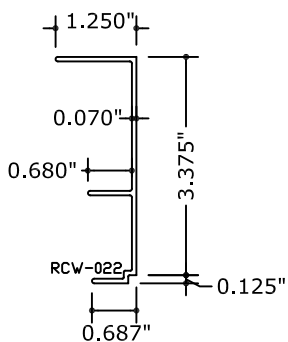
18 LOCK BLOCK



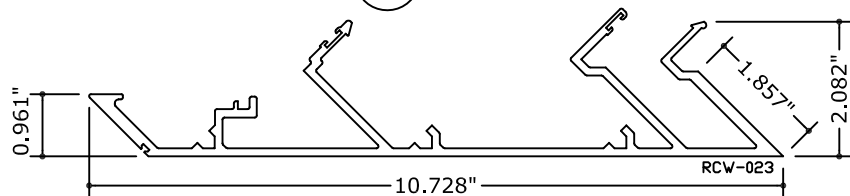
20 ANCHOR SLIDE



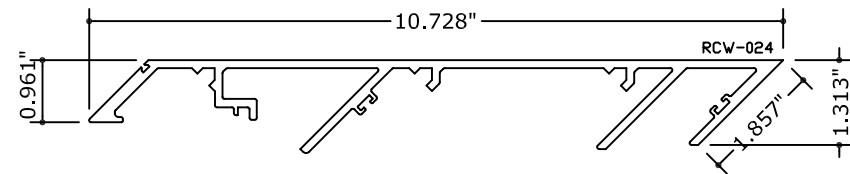
21 DOG BONE



22 VERT. ADAPTOR FOR SHADOW BOX / INSULATION



23 45 DREGEE MULLION MALE



24 45 DREGEE MULLION FEMALE

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PE# 0046549 CA, #9885



02/12/2021

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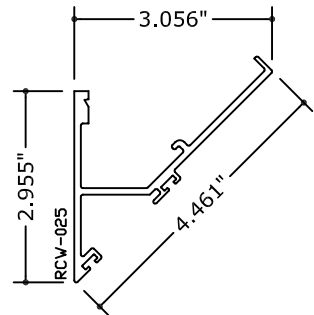
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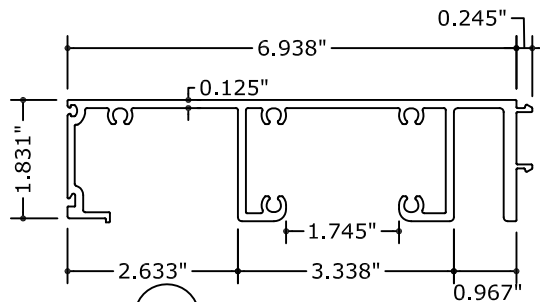
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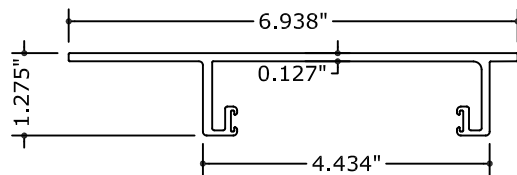
PARTS LIST



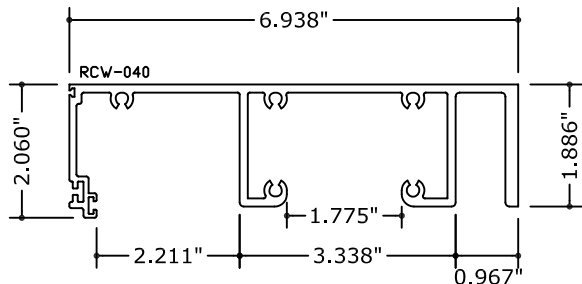
(25) 45 DEGREE MULLION COVER



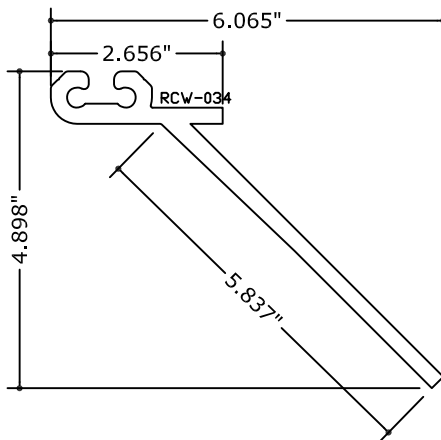
32) ALTERNATE HEAD / SILL



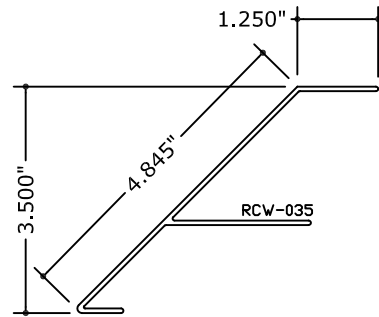
33) ANCHOR SLIDE FOR 90 DEGREE CORNER



40) SILL AT STACK JOINT WITHOUT TRIM-DOUBLE WALL



34 ANCHOR SLIDE FOR 90 DEGREE CORNER



35 VERT.ADAPTOR FOR
SHADOW BOX/INSUL-90
DEGREE

MISCELLANEOUS GENERAL INFORMATION TABLE

GASKETS / PVC			
MARK #	DESCRIPTION	PICTURE N.T.S.	CODE
01	AIR SEAL GASKET EPDM. - 70 +/- 5 DUROMETER -BLACK		RCG-001
02	SPACER PVC		RCG-002
03	PRESET GLAZING GASKET BLACK SILICONE - 70 +/- 5 DUROMETER		RCG-003
04	STACK JOINT RAINSCREEN GASKET BLACK SILICONE		RCG-004
05	WEDGE GASKET BLACK SILICONE		RCG-005
06	BULB GASKET BLACK SILICONE		RCG-006
07	BULB GASKET BLACK SILICONE		RCG-007
08	BULB GASKET BLACK SILICONE		RCG-008
09	MULLION RAINSCREEN GASKET BLACK SILICONE		RCG-009
11	1/8" THK x 3/8" - 2 SIDES ADHESIVE SILICONE TAPE 80-90 DUROMETER - BLACK		RCT-01
12	1/8" THK x 1/2" - 2 SIDES ADHESIVE SILICONE TAPE 80-90 DUROMETER - BLACK		RCT-02
13	1/16" THK x 2" WIDE SILICONE SPICE		RCT-03
301	SETTING BLOCK - 1/4" x 7/16" x 7" 80-90 DUROMETER - BLACK		RCT-04
31	STRUCTURAL SILICONE DOWSIL #933 - BLACK		RCS-01
32	SILICONE SEALANT DOWSIL #795 - BLACK		RCS-02
BRU	1/2" Ø OPEN CELL BACKER ROD		RCBR-01
FCB	FOAM BLOCK REF. DIE # RCW-001 & RCW-040		RCFB-001
FCB	FOAM BLOCK REF. DIE # RCW-002		RCFB-002
FCB	FOAM BLOCK REF. DIE # RCW-007 & RCW-008		RCFB-003
GR	GLASS SUPPORT		B006
-			

FASTENERS			
MARK #	DESCRIPTION	PICTURE N.T.S.	
F70	#14-14x 1 3/4" LG. P/PHSMS w/ PILOT POINT 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F72	3/8-13 x 3/4" LG. HEADLESS SOCKET SET SCREW w/ FLAT POINT 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F73	1/2"-13 x 1 1/2" LG. HH CAP SCREW (BOLT) 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F74	1/2"-13 HEX NUT 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F75	1/2" Ø MEDIUM SLIP LOCKWASHER 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F76	1/2"-13 x 3" LG. HSFH CAP SCREW (BOLT) GALVANIZED fy= 65 KSI fu= 100 KSI		
F77	1/4" - 14 x 1 1/2" LG. HWH SDS DRIL-FLEX 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F78	#10 x 3/4" LG. P/PH SMS TYPE AB 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F79	#10 x 3/4" LG. P/PH SMS TYPE AB 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F70	#12 - 14 x 1" LG. HWH SDS DRIL-FLEX 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F71	3/8"-16 x 1 1/2" LG. HH CAP SCREW (BOLT) 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F72	3/8"-16 HEX NUT 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F73	3/8" Ø MEDIUM SLIP LOCKWASHER 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI		
F74	3/8" HILTI KWIK BOLT		
-			
-			

PARTS LIST			
MARK #	PART No.	DESCRIPTION	MATERIAL
1	RCW-001	SILL AT STACK JOINT	6063-T6 ALUMINUM
2	RCW-002	GUTTER HEAD AT STACK JOINT	6063-T6 ALUMINUM
3	RCW-003	SPLICE FOR GUTTER	6063-T6 ALUMINUM
4	RCW-004	COVER ADAPTOR	6063-T6 ALUMINUM
5	RCW-005	COVER FOR STACK JOINT	6063-T6 ALUMINUM
6	RCW-006	STOOD TRIM	6063-T6 ALUMINUM
8	RCW-008	INTERMEDIATE HORIZONTAL-SPANDREL/VISION	6063-T6 ALUMINUM
9	RCW-009	COVER FOR INTERMEDIATE HORIZONTAL	6063-T6 ALUMINUM
10	RCW-010	3" MULLION MALE	6105-T5 ALUMINUM
11	RCW-011	3" MULLION FEMALE	6105-T5 ALUMINUM
12	RCW-012	BUCKLING CLIP	6063-T6 ALUMINUM
13	RCW-013	3" VERTICAL COVER	6063-T6 ALUMINUM
14	RCW-014	4" MULLION MALE - DOUBLE WALL	6105-T5 ALUMINUM
15	RCW-015	4" MULLION FEMALE - DOUBLE WALL	6105-T5 ALUMINUM
16	RCW-016	4" VERTICAL COVER	6063-T6 ALUMINUM
17	RCW-017	OUTRIGGER	6105-T5 ALUMINUM
18	RCW-018	LOCK BLOCK	6105-T5 ALUMINUM
19	-	NOT USED	-
20	RCW-020	ANCHOR SLIDE	6105-T5 ALUMINUM
21	RCW-021	DOG BONE	6105-T5 ALUMINUM
22	RCW-022	VERT. ADAPTOR FOR SHADOW BOX/INSULATION	6063-T6 ALUMINUM
23	RCW-023	45 DEGREE MULLION MALE	6105-T5 ALUMINUM
24	RCW-024	45 DEGREE MULLION FEMALE	6105-T5 ALUMINUM
25	RCW-025	45 DEGREE MULLION COVER	6063-T6 ALUMINUM
32	B022	ALTERNATE HEAD / SILL	6063-T6 ALUMINUM
33	B043	RECEPTOR	6063-T6 ALUMINUM
34	RCW-034	ANCHOR SLIDE FOR 90 DEGREE CORNER	6105-T5 ALUMINUM
35	RCW-035	VERT ADAPTOR FOR SHADOW BOX/INSUL-90 DEGREE	6063-T6 ALUMINUM
40	RCW-040	SILL AT STACK JOINT WITHOUT TRIM-DOUBLE WALL	6063-T6 ALUMINUM