

PS HURRICANE SYSTEM
SOUTH FLORIDA

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH ALL OF THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
2. THIS SYSTEM HAS BEEN TESTED PER TAS 201, 202, & 203.
3. GLASS TYPE E AND METAL PANEL MP-1 HAVE BEEN TESTED FOR LARGE (LEVEL E) AND SMALL MISSILE IMPACT RESISTANCE. GLASS TYPES A, C, D, AND F HAVE BEEN TESTED FOR LARGE (LEVEL D) AND SMALL MISSILE IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED IN WINDBORNE DEBRIS REGIONS.
4. GLASS TYPES B AND G HAVE BEEN TESTED FOR SMALL MISSILE IMPACT RESISTANCE ONLY. SHUTTERS ARE REQUIRED IN WINDBORNE DEBRIS REGIONS FOR USE BELOW 30 FT.
5. THE GLASS TYPES, SIZES, AND DESIGN PRESSURES SHOWN IN THE APPROVAL ARE LIMITED BY TESTING, ASTM E1300-16, AND THE SILICONE WIDTH FOR SSG MULLIONS. 4-SIDED SSG GLASS PANELS ARE SHOP-GLAZED ONLY. ANY JOBSITE RE-GLAZING TO BE INSTALLED PER PROCEDURE APPROVED BY THE SILICONE MANUFACTURER.
6. DESIGN LOADS (ASD) MUST BE CALCULATED BY A PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT. THE (ASD) DESIGN PRESSURE CANNOT EXCEED THE TESTED PRESSURES, LISTED ON SHEETS 4 TO 11, FOR EACH COMPONENT OF THIS SYSTEM.
7. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER IMPOSED LOADS TO THE STRUCTURE.
8. ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS, ANCHOR EMBEDMENT IN BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
9. CODE REQUIREMENTS FOR SAFE GUARDS MUST BE OBSERVED.
10. GLASS CHARTS ON SHEETS 4 - 8 ARE BASED ON TEST PRESSURES AND ASTM E 1300-16.
11. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE SEPARATED TO PREVENT GALVANIC REACTIONS PER FBC REQUIREMENTS.

SYSTEM NOTES:

- | | | |
|-----------------|---|---|
| GLASS | - | SEE CHARTS ON SHEETS 4 - 9 FOR ALLOWABLE GLASS TYPES, SIZES, AND DESIGN PRESSURES. |
| METAL PANELS | - | SEE CHARTS AND DETAILS ON SHEET 8 FOR ALLOWABLE PANEL TYPE, SIZES, AND DESIGN PRESSURES. |
| MULLIONS | - | SEE CHARTS ON SHEETS 10 - 12 FOR ALLOWABLE DESIGN PRESSURES FOR VARIOUS MULLION AND REINFORCEMENT CONFIGURATIONS. |
| ANCHORS | - | SEE CHARTS ON SHEETS 21 - 27 FOR ALLOWABLE ANCHORS. |
| SYSTEM | - | THE DESIGN PRESSURE OF THE ENTIRE SYSTEM IS THE LOWEST ALLOWABLE DESIGN PRESSURE OF THE THREE COMPONENTS ABOVE THAT MAKE UP THE SYSTEM. |
| DOORS | - | SEE SEPARATE NOA OF L.M.I. SINGLE/DOUBLE DOOR WITH SUBFRAME FOR DOOR RATING, ANCHORS & DETAILS. |
| MATERIAL LEGEND | - | SEE SHEETS 28 - 29. |

**SERIES RT4 CAPTURED AND SSG SYSTEM
WITH LAMINATED GLASS
LARGE & SMALL MISSILE IMPACT**

LEGEND

- L = SPAN (IN.)
W = TRIBUTARY WIDTH (IN.)
Pd = DESIGN PRESSURE (PSF)
R = REACTION (Lbs)

INSTRUCTIONS: (USE CHARTS AS FOLLOWS.)

- | | |
|---------|---|
| STEP 1. | DETERMINE DESIGN WIND LOAD (ASD) REQUIREMENT BASED ON WIND VELOCITY, BUILDING HEIGHT, AND EXPOSURE CATEGORY PER ASCE 7-22. |
| STEP 2. | SEE CHARTS ON SHEETS 4 - 9 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS OR PANEL SIZE. |
| STEP 3. | CHECK MULLION CAPACITY AND REQUIRED REINFORCING FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 10 (MULTI-SPAN) OR 11 (SINGLE SPAN). |
| STEP 4. | CHECK CORNER MULLION CAPACITY AND REQUIRED REINFORCING FOR A GIVEN SPACING AND HEIGHT USING CHARTS AND NOTES ON SHEET 12. |
| STEP 5. | VERIFY ANCHOR TYPE, SIZE, AND SPACING PER CHARTS AND DETAILS ON SHEETS 21-27. |
| STEP 6. | THE LOWEST VALUE RESULTING FROM STEPS 2, 3, & 4 SHALL APPLY TO ENTIRE SYSTEM. |

INDEX OF DRAWING		REV. 5 DATE: 12/14/23	REV. 6 DATE: 10/23/23	REV. 7 DATE: 2/28/25	REV. 8 DATE: 7/3/25	REV. 9 DATE: 6/28/26
SHEET	DESCRIPTION					
1	COVER					
2	SINGLE SPAN ELEVATION SSG SYSTEM	•			•	•
3	MULTI-SPAN ELEVATION CAPTD/SSG SYSTEM	•				
4	CLERESTORY ELEVATION/GLAZING DETAILS					•
5	GLASS LOAD CAPACITY CAPTD SYSTEM					
6	GLASS LOAD CAPACITY SSG SYSTEM – HP GLAZING DET'S	•				
7	GLASS LOAD CAPACITY SSG SYSTEM – HP GLAZING DET'S			•		
8	GLASS/METAL PANEL LOAD CAPACITY – LEVEL E GLAZING				•	
9	GLASS LOAD CAPACITY SSG SYSTEM – SP GLAZING DET'S				•	
10	MULTI-SPAN MULLION LOAD CAPACITY	•				
11	SINGLE SPAN MULLION LOAD CAPACITY					
12	MULTI-SPAN/SINGLE SPAN CORNER MULLION LOAD CAPACITY			•		
13	MULTI-SPAN SSG HORIZONTAL MULLION DETAILS	•				
14	MULTI-SPAN CAPTD HORIZONTAL MULLION DETAILS	•				
15	SINGLE SPAN SSG HORIZONTAL MULLION DETAILS	•				
16	MULTI-SPAN SSG VERTICAL MULLION DETAILS	•				
17	MULTI-SPAN CAPTD VERTICAL MULLION DETAILS	•				
18	SINGLE SPAN SSG VERTICAL MULLION DETAILS	•				
19	CLERESTORY HORIZONTAL MULLION DETAILS					•
20	CLERESTORY VERTICAL MULLION DETAILS					•
21	SINGLE SPAN HEAD/SILL ANCHOR DETAILS	•				
22	SINGLE SPAN ALTERNATE SILL ANCHOR DETAILS	•				
23	CLERESTORY HEAD/SILL ANCHOR DETAILS					•
24	MULTI-SPAN SILL ANCHOR DETAILS	•				
25	MULTI-SPAN INTERMEDIATE ANCHOR DETAILS	•				
26	MULTI-SPAN CORNER MULLION DETAILS	•				
27	SINGLE SPAN CORNER MULLION DETAILS	•				
28	BILL OF MATERIALS					•
29	BILL OF MATERIALS					•

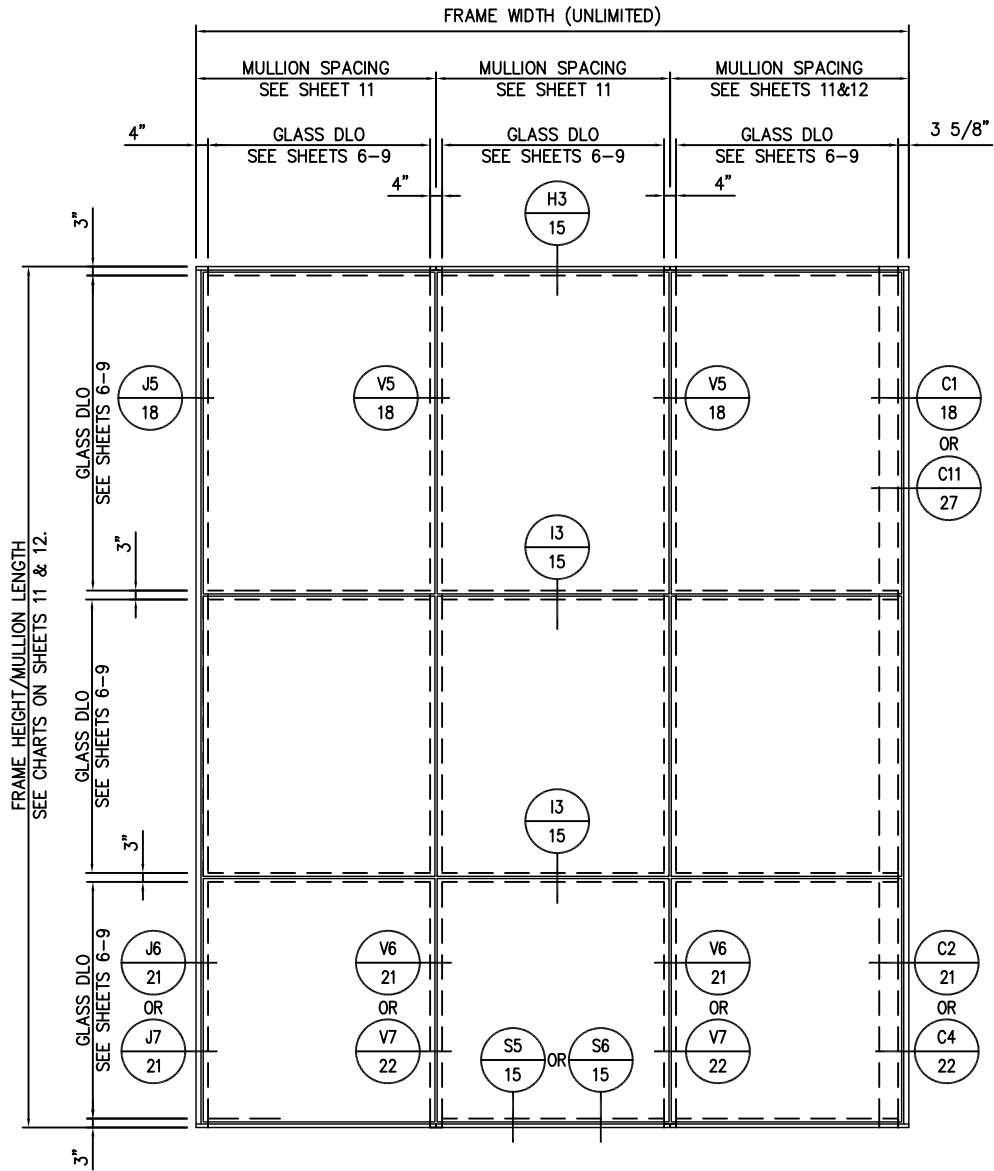


Digitally signed
by Scott Wolters
Date: 2026.06.29
19:30:56 -04'00'

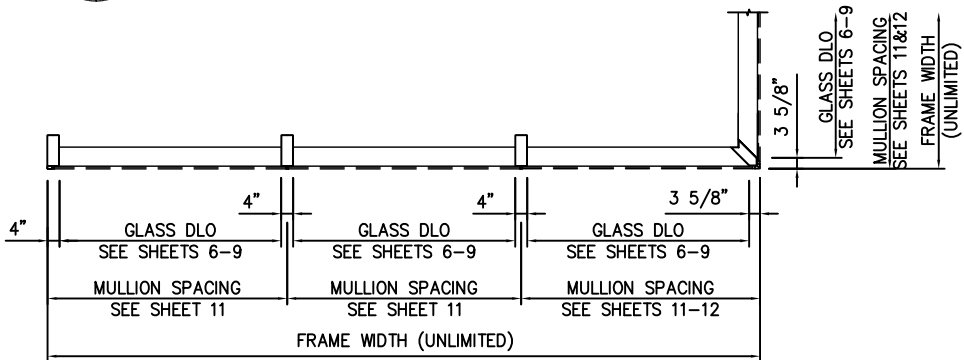


 PHYSICAL SECURITY, LLC 600 BELLEVUE STREET SUITE 200 FARMINGTON, CT 06030 PHONE 203.433.4072 FAX 203.433.3837		ALL DIMENSIONS, QUANTITIES, SECTIONS AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR PRODUCTION.		DRAWN BY: TM ISSUED BY:		DATE: 150CT2018		SHEET NUMBER: 1		JOB # RT4-NOA	
TITLE	COVER	ISSUE	SUBMITTAL	DATE	SPWG	DESCRIPTION	DATE	This shop drawing represents our interpretation of the architect's plans and specifications, and our contract requirements for this project. We assume no responsibility for any errors occurring through the use of this drawing by any other trade or supplier. We assume no responsibility as to measurements or details affecting any work but our own, and will not be responsible for any errors occurring through the use of this drawing by any other trade or supplier.			
PROJECT	RT4 CURTAIN WALL SYSTEM	5	ADDED CORNER/GLASS TYPE	7/12/23							
LOCATION	SOUTH FLORIDA	6	2023 CODE UPDATE	10/23/23							
ARCHITECT		7	REVISION	2/26/23							
CONTRACTOR		8	ADDED LEVEL E	7/3/25							
STOCK	FINISH	9	ADDED CLERESTORY	6/26/26							

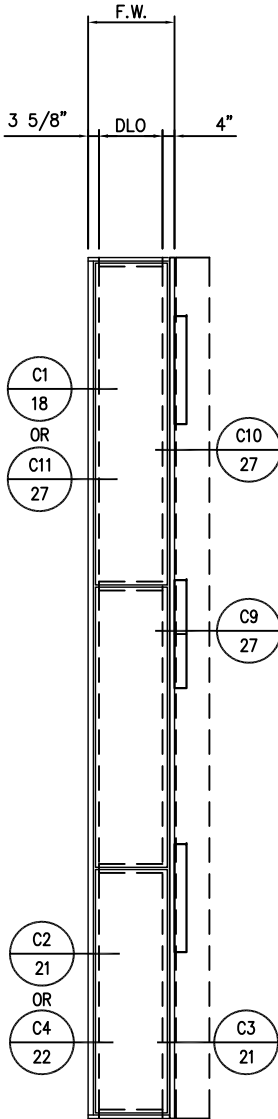
RT4 SINGLE SPAN CURTAINWALL SYSTEM:
(SSG MULLIONS)



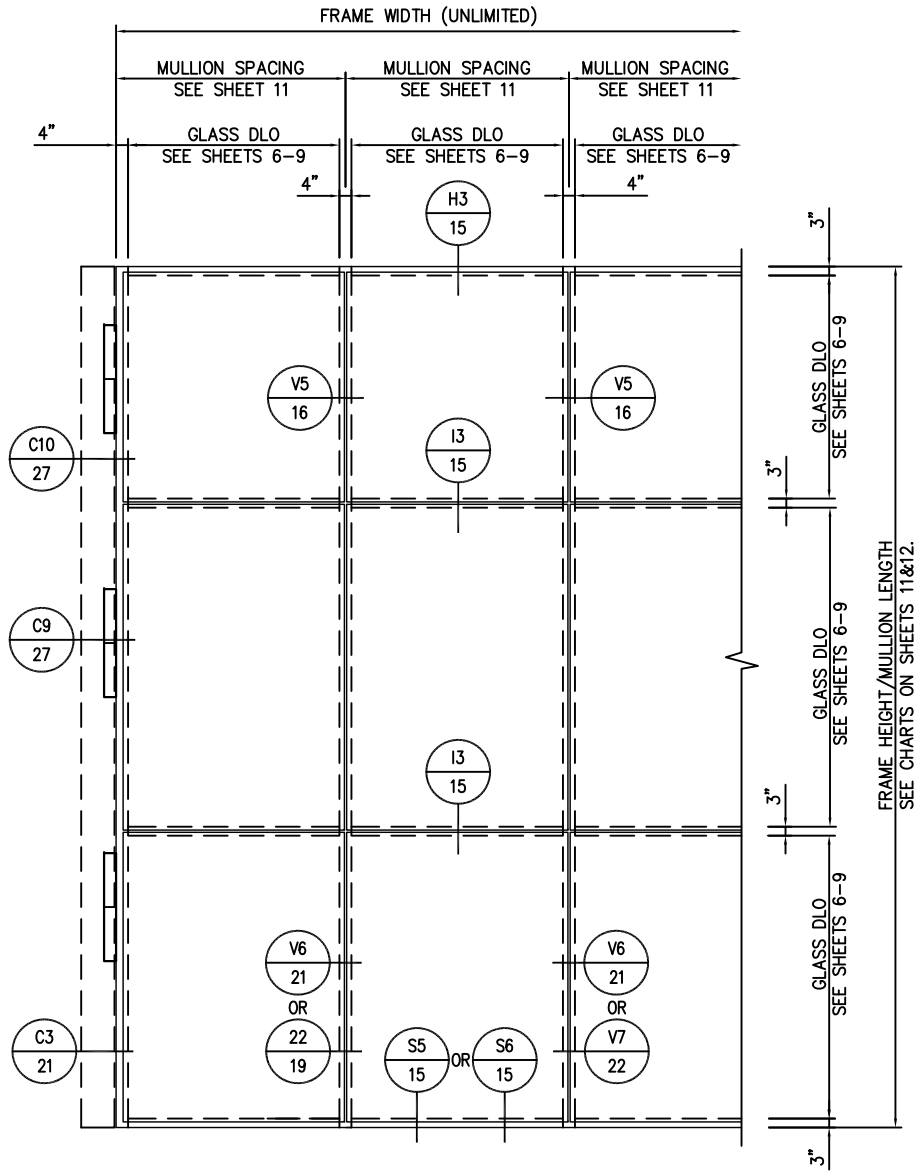
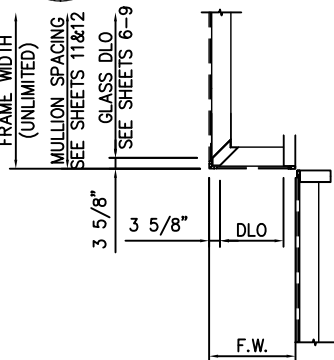
A - SINGLE SPAN SSG SYSTEM WITH OUTSIDE CORNER
2 - SCALE: 3/8" = 1'



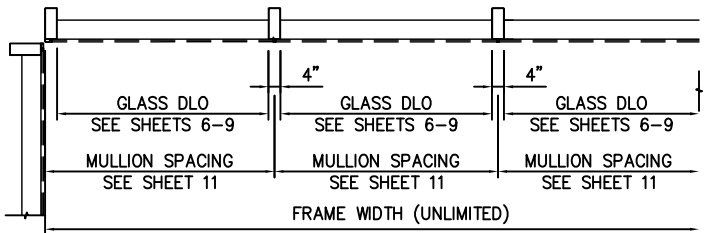
D - LAYOUT PLAN
2 - SCALE: 3/8" = 1'



B - SSG SYSTEM SINGLE BAY RETURN OPTION
2 - SCALE: 3/8" = 1'



C - SINGLE SPAN SSG SYSTEM WITH INSIDE CORNER
2 - SCALE: 3/8" = 1'



SYSTEM NOTES:

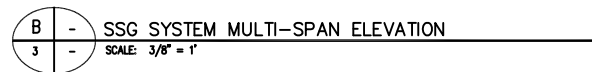
1. FRAME WIDTHS ARE UNLIMITED, PROVIDED MULLION SPACINGS MEET THE REQUIREMENTS SHOWN IN THE MULLION CHARTS ON SHEETS 11 & 12.
2. DOORS ARE NOT PART OF THIS APPROVAL. SEE DOOR PRODUCT APPROVAL FOR MORE INFORMATION.

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WOLTERS ENGINEERING
(CO# 27194)
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TITLE	TYPICAL ELEVATION FOR SSG SYSTEM	ISSUE	SUBMITTAL	DATE	SEPM	REVISION	DESCRIPTION	DATE
PROJECT	RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18				
LOCATION	SOUTH FLORIDA	2	12" MULL REV	12-16-19				
ARCHITECT	PHYSICAL SECURITY, LLC 600 BELLEVUE STREET BIRMINGHAM, AL 35203 PHONE 205-433-4072 FAX 205-433-4067							
CONTRACTOR								
FINISH								

FRAME HEIGHT (UNLIMITED)



This shop drawing represents our interpretation of the architect's plans and specifications, and our contract documents. We warrant that the material will be installed for fabrication until we have written notification by the general contractor that the drawings are not approved. We warrant that the drawings will also meet all in a fabrication shop. Our drawings have been APPROVED FOR FABRICATION. Approval delay will also meet all in a fabrication shop. Any material fabricated from these approved shop drawings that does not fit job conditions will be removed and shipped to the job only at the contractor's expense and only after receipt of change order to cover the extra expense. We warrant that the drawings will be made to the measurements and details of the work, and we will not be responsible for any errors occurring through the use of this drawing by any other trade or supplier.

PROJECT	SUBMITTAL	DATE	ISSUED FOR CONSTRUCTION	DESCRIPTION	DATE
PROJECT RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18		
LOCATION SOUTH FLORIDA	2	12" MULL REV	12-16-19		
ARCHITECT					
CONTRACTOR					
STOCK	FINISH				



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ALL DIMENSIONS, QUANTITIES,
SIZES AND MATERIALS MUST
BE CONFIRMED BY PROJECT
MANAGER PRIOR TO RELEASE
FOR FABRICATION.

DRAWN BY TM	ISSUE
DATE 15OCT2018	

SHEET NUMBER

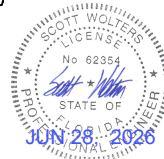
3

3 OF 29

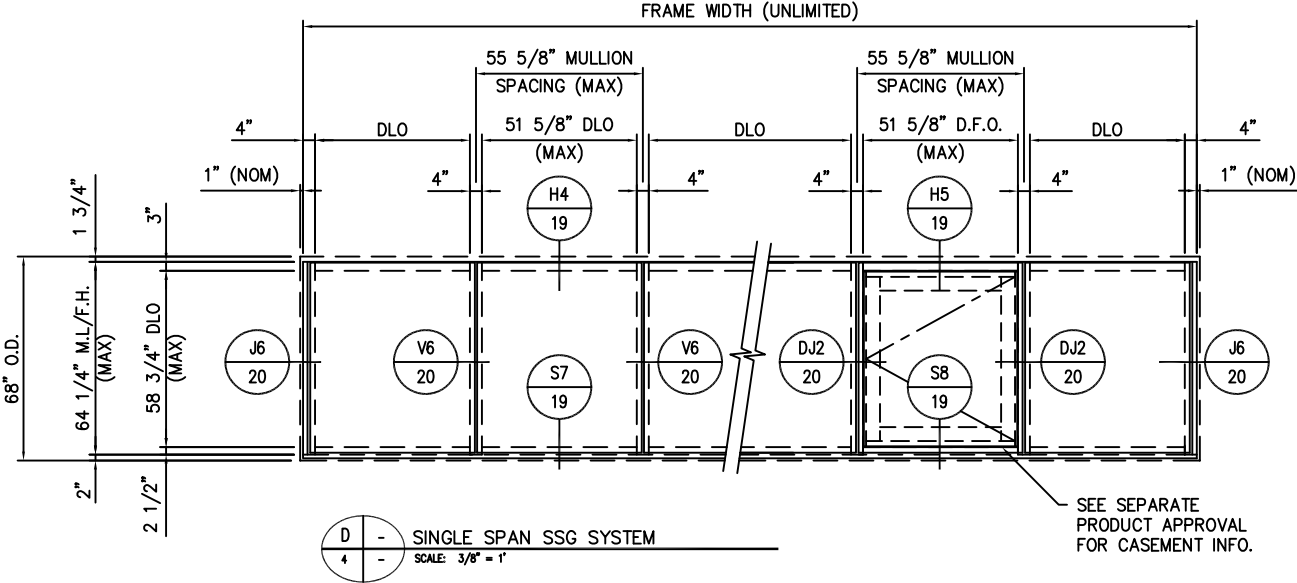
RT4-NOA

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RT4 CLERESTORY CURTAINWALL SYSTEM:
(SSG MULLIONS)



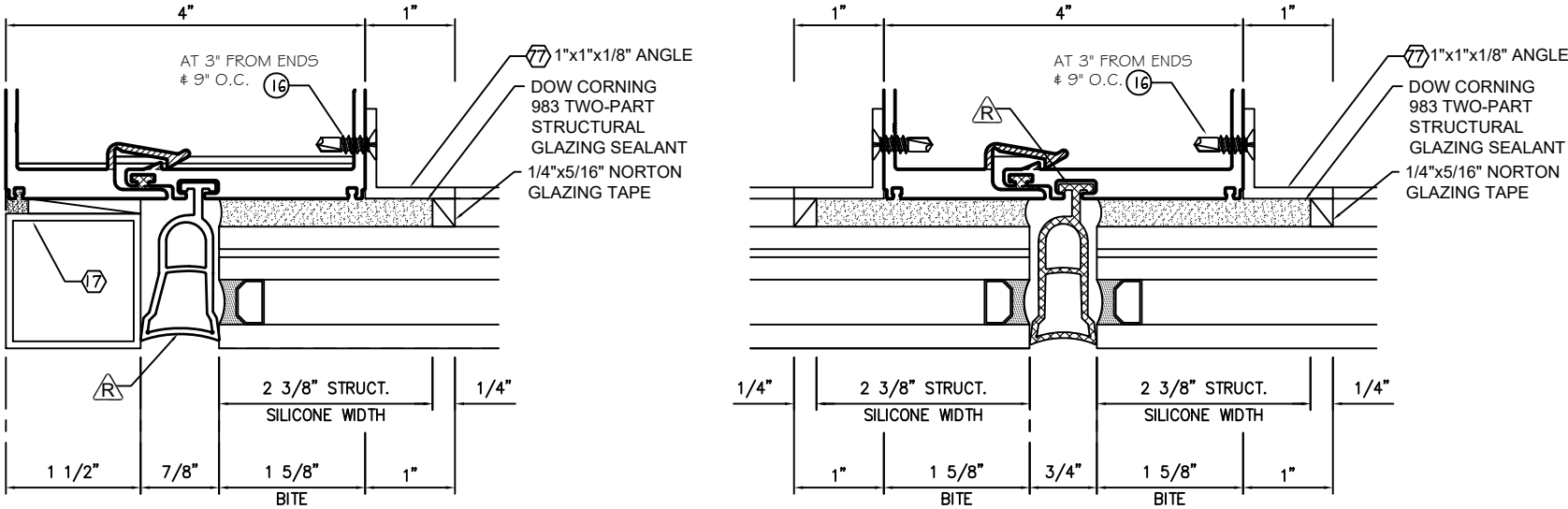
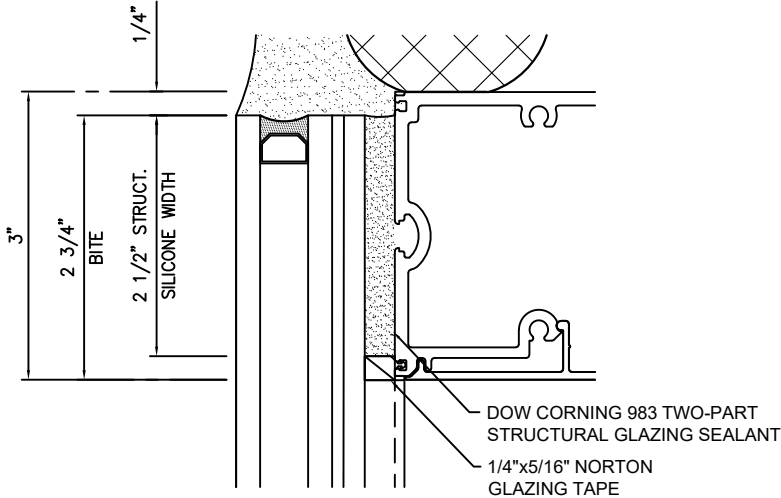
DESIGN PRESSURE RATING	IMPACT RATING
+160/-220 PSF	SMALL MISSILE

SYSTEM NOTES:

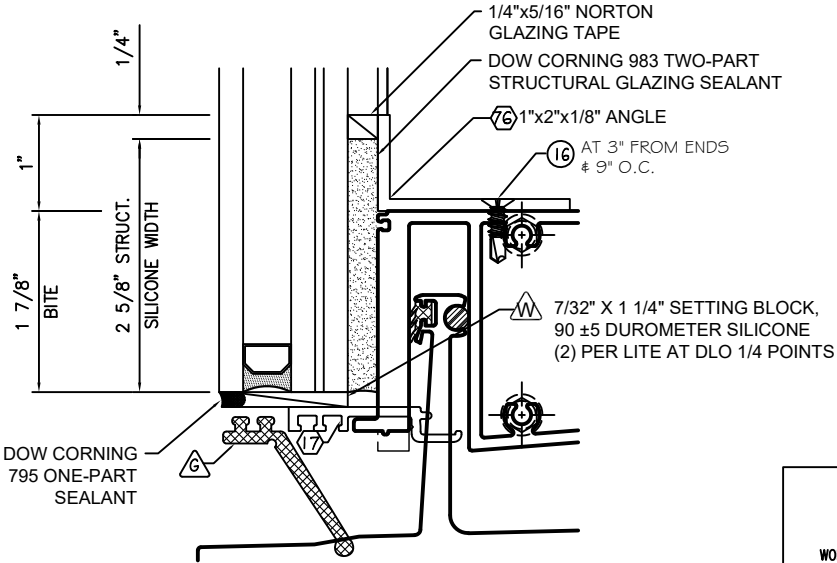
1. FRAME WIDTHS ARE UNLIMITED, PROVIDED MULLION SPACINGS MEET THE REQUIREMENTS SHOWN.
2. THIS ELEVATION IS APPROVED FOR SMALL MISSILE IMPACT ONLY. SHUTTERS ARE REQUIRED FOR USE < 30 FT ABOVE GROUND.

APPROVED GLASS TYPES

GLASS TYPE G:
1 5/16" INSULATED/LAMINATED:
1/4" TEMPERED
1/2" AIR SPACE WITH ALUMINUM SPACER
1/4" TEMPERED
0.090" PVB INTERLAYER
1/4" TEMPERED



GLASS TYPE "G"
(SMALL MISSILE ONLY)



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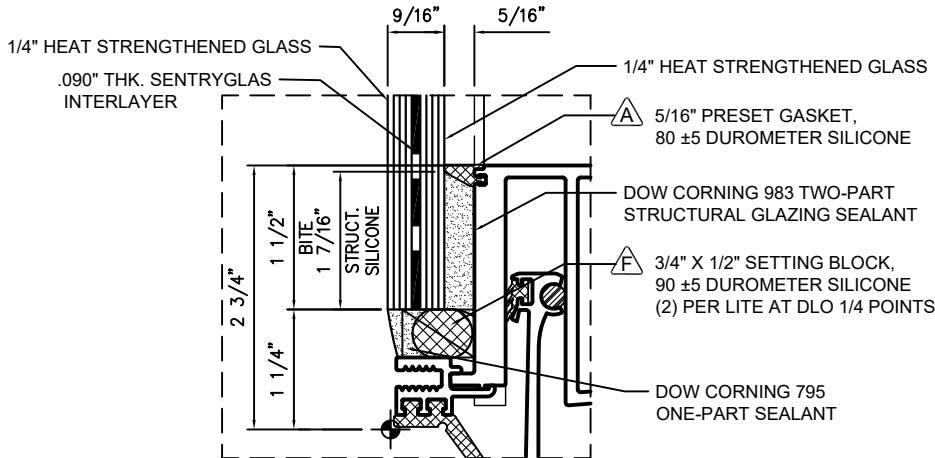
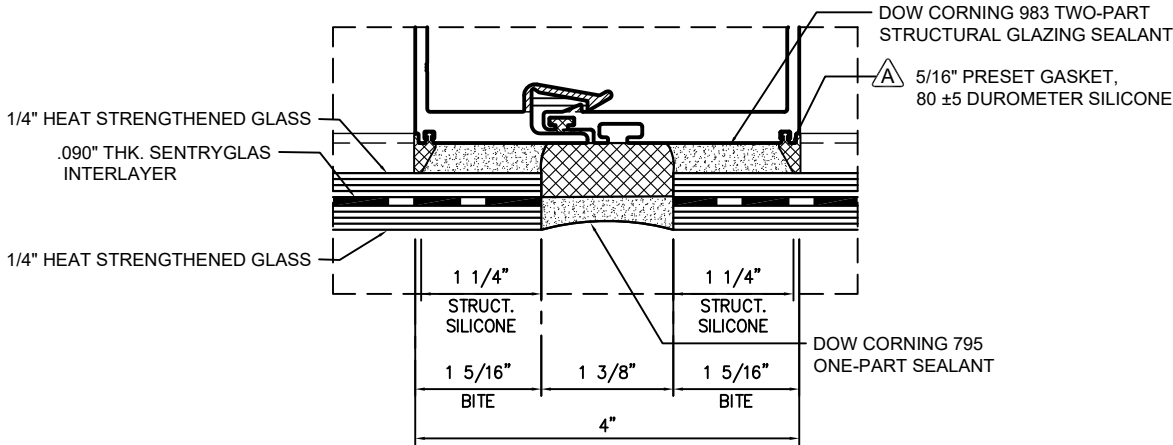


This shop drawing represents our interpretation of the architect's plans and specifications, and our contract requirements for this project. It is for the contractor's use only. The contractor is responsible for verifying the accuracy of the information shown on this drawing and for obtaining all necessary permits and approvals. Any material fabricated from these approved shop drawings that does not fit job conditions will be remade and shipped to the job only at the contractor's expense and only after receipt of change order to cover the extra expense. We do not assume responsibility for any errors occurring through the use of this drawing by any other trade or supplier.		DATE	
PROJECT	RT4 SYSTEM NOA	DATE	6/26/26
LOCATION	SOUTH FLORIDA	DATE	
ARCHITECT		DATE	
CONTRACTOR		DATE	
STOCK		DATE	
TITLE	CLERESTORY ELEVATION/ GLAZING DETAILS	DATE	
PROJECT	RT4 SYSTEM NOA	DATE	
LOCATION	SOUTH FLORIDA	DATE	
ARCHITECT		DATE	
CONTRACTOR		DATE	
STOCK		DATE	
ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.			
DRAWN BY	TM	ISSUE	
DATE	15OCT2018	SHEET NUMBER	4
JOB #	RT4-NOA	4	OF 29

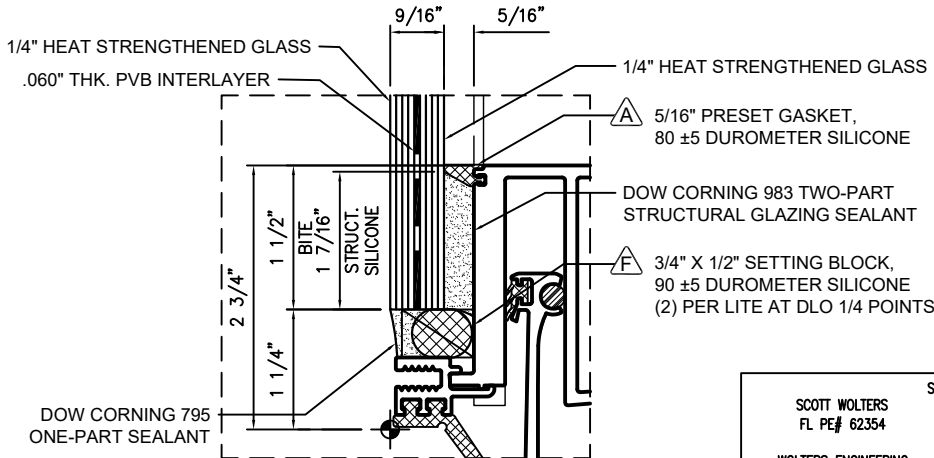
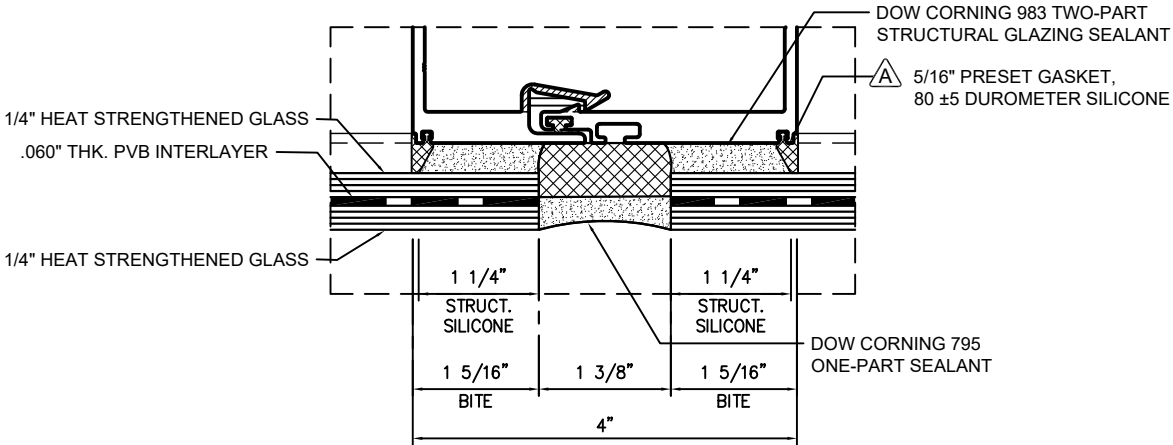
GLASS LOAD CAPACITY (PSF) - SSG MULLIONS WITH HP GLAZING DETAILS			
NOMINAL DIMENSIONS		GLASS TYPE "A" (LMI AND SMI)	GLASS TYPE "B" (SMI ONLY)
D.L.O. WIDTH (IN)	D.L.O. HEIGHT (IN)	EXTERIOR (+) & INTERIOR (-)	EXTERIOR (+) & INTERIOR (-)
57	84	120	120
60		115	115
63		109	109
66		105	105
69		100	100
72		96	96
84		65	-
96	90	65	-
57		120	120
60		115	115
63		109	109
66		105	105
69		100	100
72		65	-
84		65	-
96		65	-
51	96	120	120
54		120	120
57		120	120
60		115	115
63		109	109
66		105	105
72		65	-
84	102	65	-
96		65	-
48		120	120
51		120	120
54		120	120
57		120	115
60		115	111
63	108	109	107
72		65	-
84		65	-
96		65	-
45		120	120
48		120	120
51		120	118
54	114	120	112
57		120	107
60		115	104
66		65	-
72		65	-
84		65	-
96		65	-
36	117	120	120
39		120	120
42		120	120
45		120	120
48		120	120
51		120	113
54		120	107
57	120	120	102
60		65	-
72		65	-
88		65	-
91 1/2		64.7	-
42		120	120
45	126	120	120
48		120	119
51		120	112
54		120	105
56		120	101
60		65	-
72		65	-
84	132	65	-
89		64.3	-
78		65	-
82		65	-
87		64.7	-
74		65	-
78	138	65.9	-
82 3/4		63.8	-
68		65	-
74		65	-
79		64.1	-
68		65	-
74	141	65	-
75 1/2		64.6	-
62		65	-
68		65	-
74		65	-

RT4 SSG CURTAINWALL SYSTEM,
HP GLAZING DETAILS:

GLASS TYPE "A"
((LEVEL D) LARGE & SMALL MISSILE)



GLASS TYPE "B"
(SMALL MISSILE ONLY)



SE*

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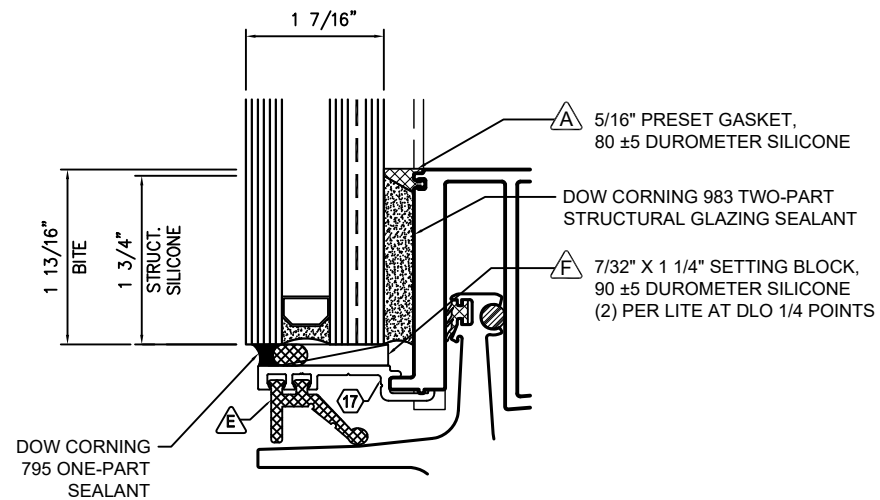
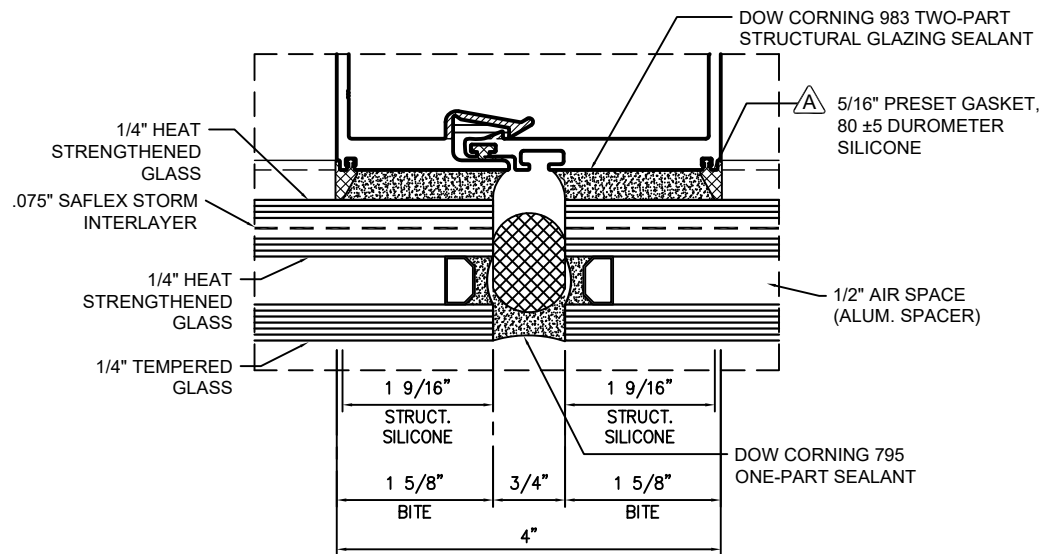
		PHYSICAL SECURITY, LLC 10000 BELLEVUE STREET BIRMINGHAM, AL 35202 PHONE 205.423.4072 FAX 205.423.3837													
TITLE		GLASS LOAD CAPACITY SSG SYSTEM		ISSUE		SUBMITTAL		DATE		SEPARS		DESCRIPTION		DATE	
PROJECT		RT4 SYSTEM NOA		1		FIRST SUBMITTAL		10-15-18							
LOCATION		SOUTH FLORIDA		2		12" MULL REV		12-16-19							
ARCHITECT		CONTRACTOR		4		UPDATE GLASS CHARTS		4/18/22							
STOCK		FINISH													
ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.															
DRAWN BY		TM		ISSUE											
DATE		15OCT2018													
SHEET NUMBER		6													
6		of		29											
JOB #		RT4-NOA													

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RT4 SSG CURTAINWALL SYSTEM, HP GLAZING DETAILS:

GLASS LOAD CAPACITY (PSF)					
SSG MULLIONS					
NOMINAL DIMENSIONS		GLASS TYPE "C" (LMI AND SMI)		GLASS TYPE "D" (LMI AND SMI)	
D.L.O. WIDTH (IN)	D.L.O. HEIGHT (IN)	EXT (+)	INT (-)	EXT (+)	INT (-)
54 1/4	120	100	117	100	130
60		100	117	-	-
66		100	117	-	-
72		100	114	-	-
78		100	110	-	-
86		100	105	-	-
49 1/4	132	100	117	100	130
60		100	117	-	-
66		100	108	-	-
72		100	103	-	-
78 1/4		98.9	98.9	-	-
45 1/4		144	100	117	100
54	100		117	-	-
60	100		109	-	-
66	99.1		99.1	-	-
71 3/4	93.9		93.9	-	-
44 3/4	145 1/2		100	117	100
48		100	117	-	-
60		100	108	-	-
71		93.6	93.6	-	-
41 3/4		156	100	117	100
48	100		117	-	-
54	100		117	-	-
60	100		102	-	-
66 1/4	92.5		92.5	-	-
40	162		100	117	100
48		100	117	-	-
54		100	115	-	-
60		99.9	99.9	-	-
63 3/4		64.6	64.6	-	-
38 1/4		170 3/16	100	117	100
48	100		117	-	-
54	100		113	-	-
60 3/4	95.8		95.8	-	-

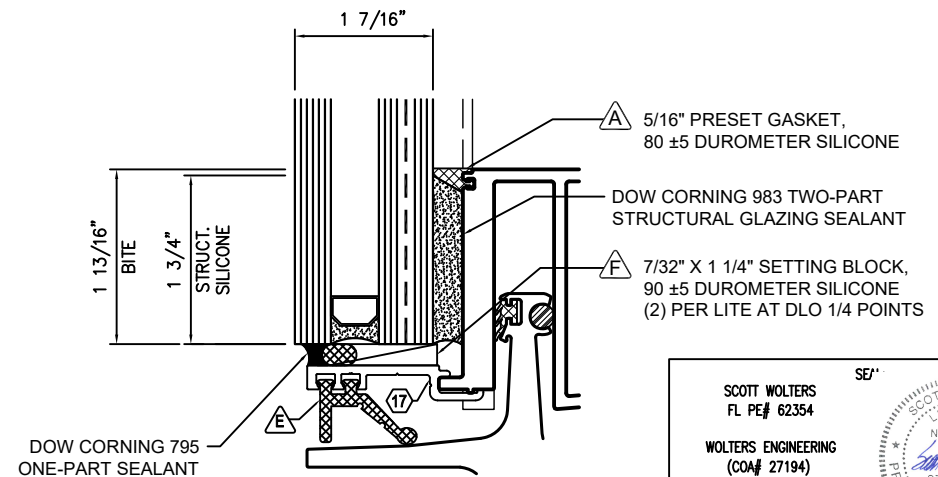
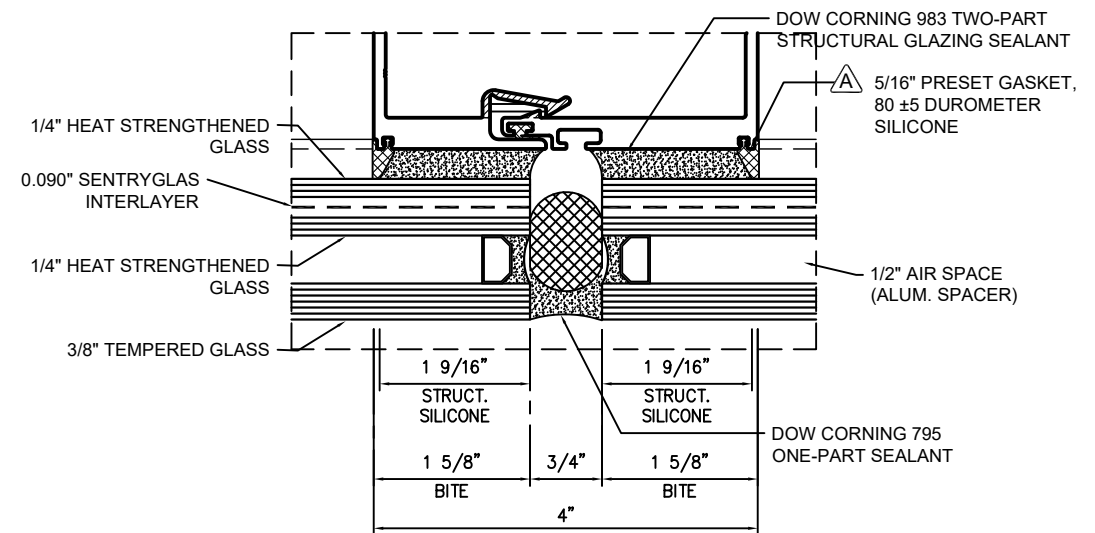
GLASS TYPE "C"
((LEVEL D) LARGE & SMALL MISSILE)



The diagram illustrates the dimensions of a window unit. It shows a rectangular frame with a central mullion and horizontal dividers. The dimensions are labeled as follows:

- GLASS D.L.O. WIDTH**: The width of the glass panes, shown at the top and bottom.
- GLASS D.L.O. HEIGHT**: The height of the glass panes, shown on the right side.
- JAMB MULLION**: The vertical mullion on the left side.
- HEAD HORIZONTAL**: The horizontal mullion at the top.
- INTERMEDIATE HORIZONTAL**: The horizontal mullion in the middle.
- SILL HORIZONTAL**: The horizontal mullion at the bottom.

GLASS TYPE "D"
((LEVEL D) LARGE & SMALL MISSILE)



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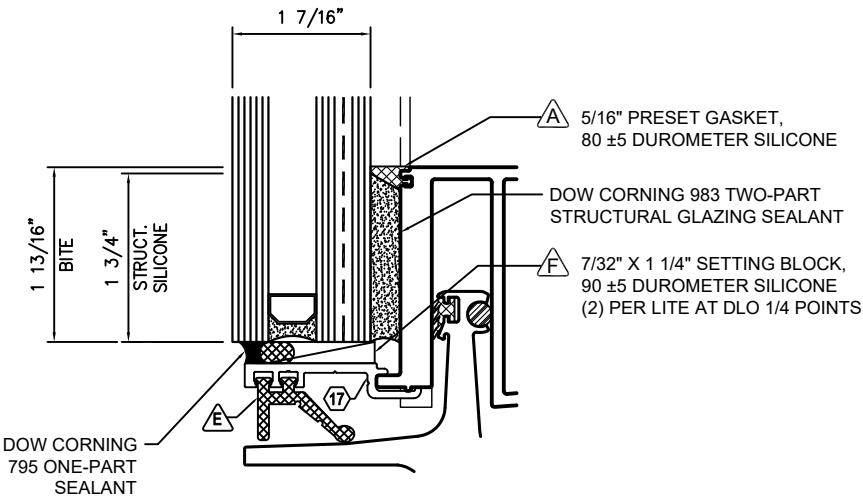
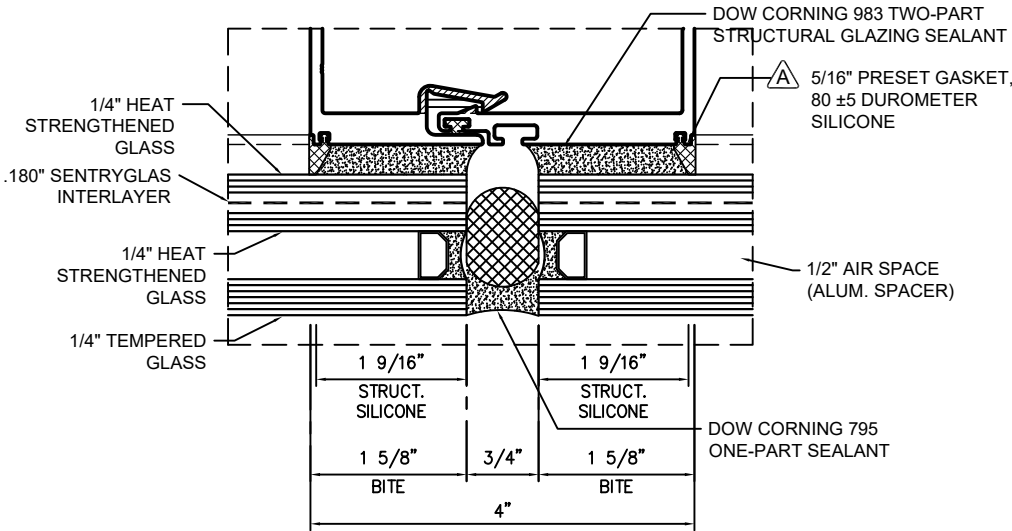
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		ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.	
DRAWN BY		ISSUE	
DATE		15OCT2018	
SHEET NUMBER			
7		29	
JOB #		RT4-NOA	
TITLE PROJECT LOCATION ARCHITECT CONTRACTOR STOCK	GLASS LOUVER SYSTEM RT4 SYSTEM NOA SOUTH FLORIDA PHYSICAL SECURITY, LLC 600 BUNKER STREET BENICIA, CA 94620 PHONE 305-425-4072 FAX 202-468-3837	ISSUE 1 2 4 7	SUBMITTAL DATE DESCRIPTION 10-15-18 12-16-19 4/16/22 2/26/25
This shop drawing represents our interpretation of the architect's plans and specifications, and our contract requirements for this project. We do not warrant the accuracy of the drawings until we have written notification by the general contractor that no material will be scaled or changed. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION. ANY MATERIAL DERIVED FROM THESE APPROVED SHOP DRAWINGS THAT DOES NOT FIT THE CONDITIONS WILL BE REMOVED AND SHIPPED TO THE JOB ONLY AT THE CONTRACTOR'S EXPENSE AND ONLY AFTER RECEIPT OF CHANGE ORDER TO COVER THE EXTRA EXPENSES. We do not accept any responsibility, as to measurements or details affecting any work, but for our own, and will not be responsible for any errors occurring through the use of this drawing by any other trades or supplier.			

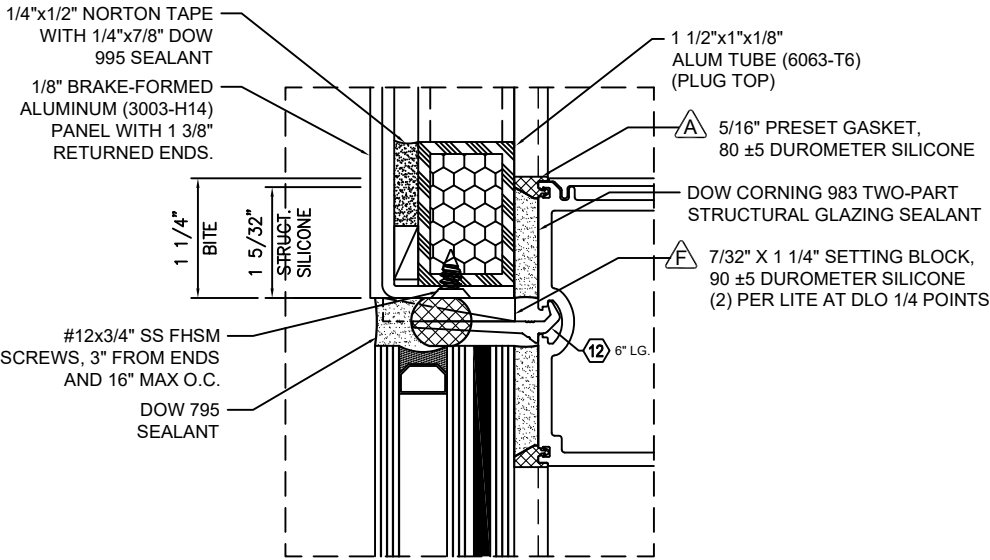
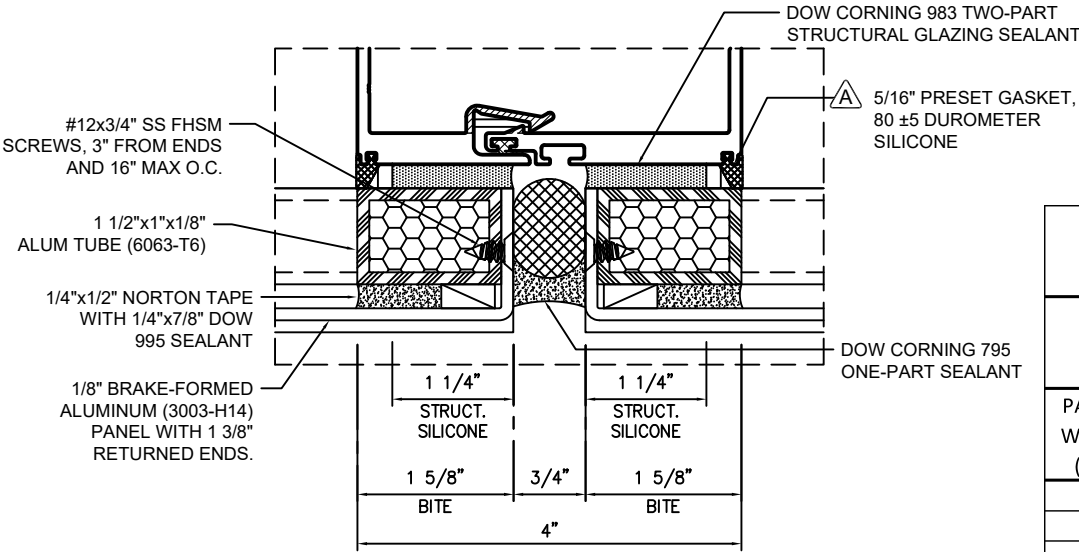
RT4 SSG CURTAINWALL SYSTEM,
HP GLAZING DETAILS:

GLASS TYPE "E"
((LEVEL E) LARGE & SMALL MISSILE)



GLASS LOAD CAPACITY (PSF) - SSG MULLIONS WITH HP GLAZING DETAILS			
NOMINAL DIMENSIONS		GLASS TYPE "E" (LMI AND SMI)	
D.L.O. WIDTH (IN)	D.L.O. HEIGHT (IN)	EXTERIOR (+) & INTERIOR (-)	
54	96	127	
60		116.4	
66		107.4	
72		100.7	
84		89.8	
87	120	87.5	
48		130	
54		122.9	
60		112.2	
66		103.5	
69 1/2	132	99.1	
42		130	
48		130	
54		121.5	
60		111	
63 1/2	139 3/4	105.5	
36		130	
42		130	
48		130	
54		119.5	
60	144	110	
36		130	
42		130	
48		130	
54		118.1	
58	156	110	
36		130	
42		130	
48		122.6	
53 1/2		110	
30	168	130	
36		130	
42		129.6	
49 1/2		110	
30	180	130	
36		130	
42		121	
46 1/2		110	

METAL PANEL "MP-1"
((LEVEL E) LARGE & SMALL MISSILE)



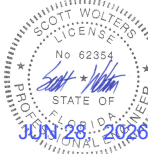
METAL PANEL CAPACITY (PSF) SSG MULLIONS			
NOMINAL DIMENSIONS		METAL PANEL "MP-1" (LMI AND SMI)	
PANEL WIDTH (IN)	PANEL HEIGHT (IN)	EXTERIOR (+) & INTERIOR (-)	
48	120	130	
54		128.8	
60		116	
63 1/4		110	
48		130	
54	132	128.8	
60		116	
63 1/4		110	
48	143 1/2	130	
54		128.8	
60		116	
63 1/4		110	
42	156	130	
48		130	
54		128.8	
58		120	
42	168	130	
48		130	
54		128.8	
42	180	130	
48		130	
50		130	

METAL PANEL NOTES:

1. MAX PANEL WIDTH = 63 1/4 in.
2. PANEL FRAMES ARE MADE FROM 1"x1 1/2"x1/8" ALUMINUM TUBES (6063-T6). PERIMETER TUBES ARE MITER CUT AND WELDED AT THE CORNERS. INTERMEDIATE HORIZONTAL ARE SQUARE CUT, BUTTED, AND WELDED TO THE VERTICALS AT EACH END.
3. MAXIMUM SPACING FOR HORIZONTAL FRAME TUBES = 14 in O.C.
4. 1/8" BRAKE-FORMED ALUMINUM SKINS (3003-H14) HAVE 1 3/8" RETURNS, WELDED AT THE CORNERS.
5. SKINS ARE STRUCTURALLY SEALED TO FRAMES AT THE PERIMETER WITH 7/8" WIDE DOW 995 SEALANT, AND MECHANICALLY FASTENED AT THE RETURNS WITH #12x3/4" SS FHSM SCREWS, 16" MAX O.C.

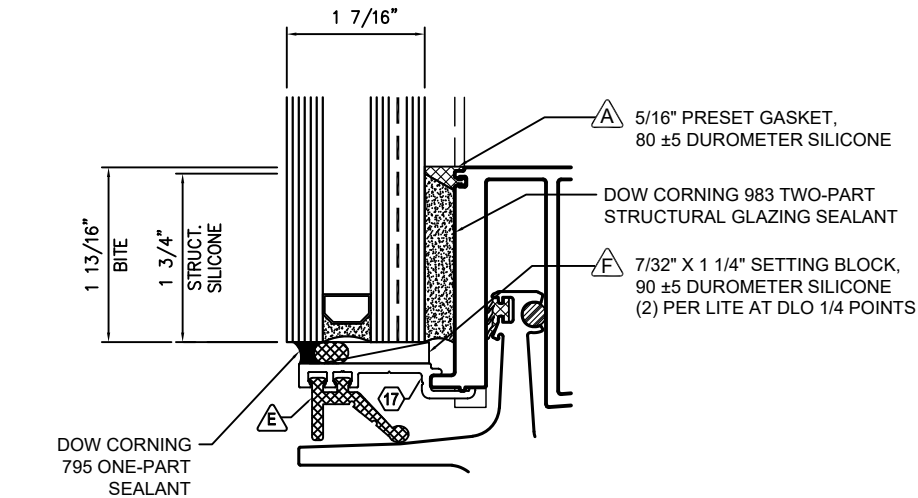
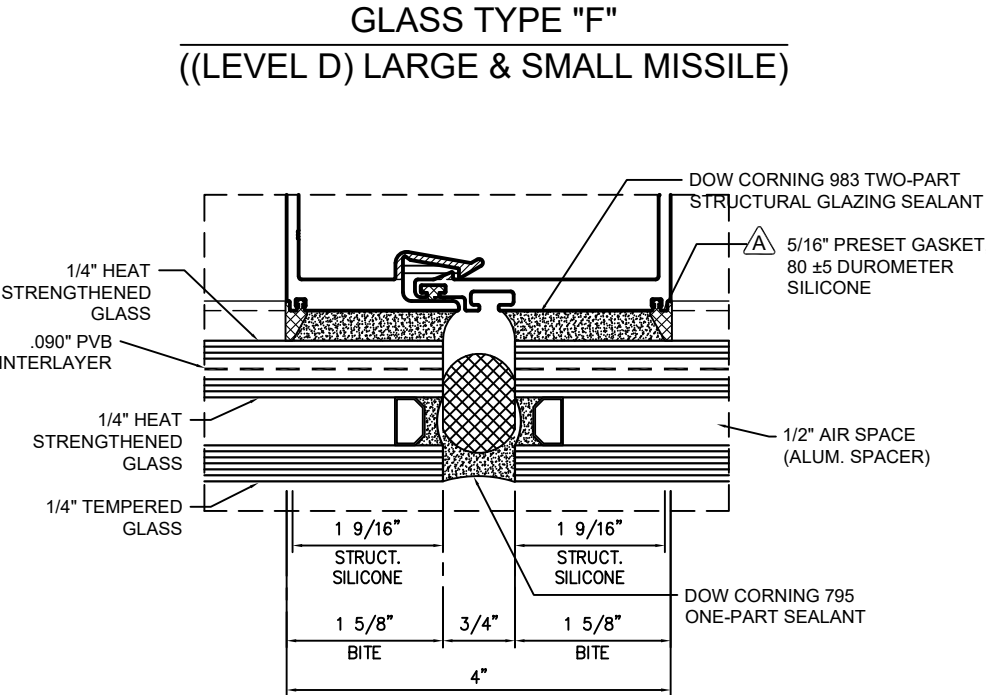
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(CO# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



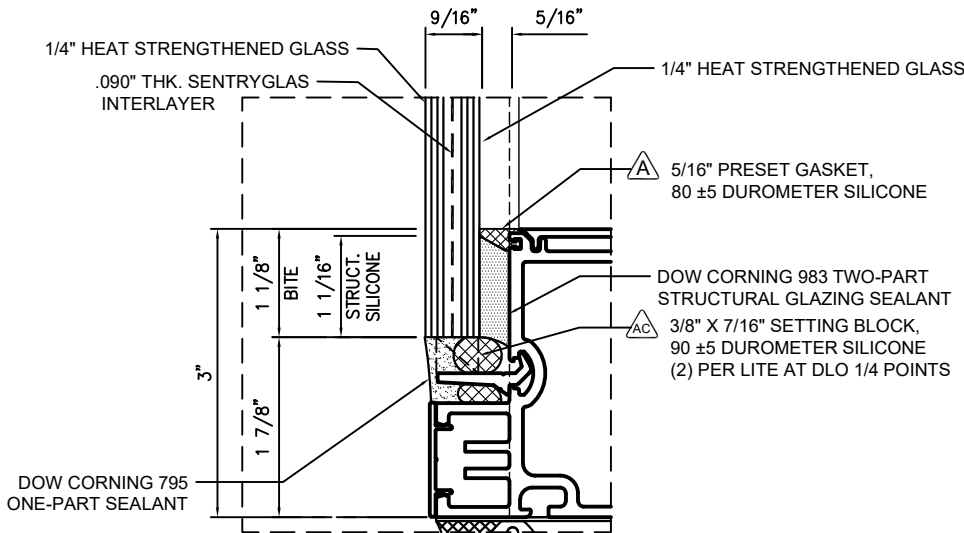
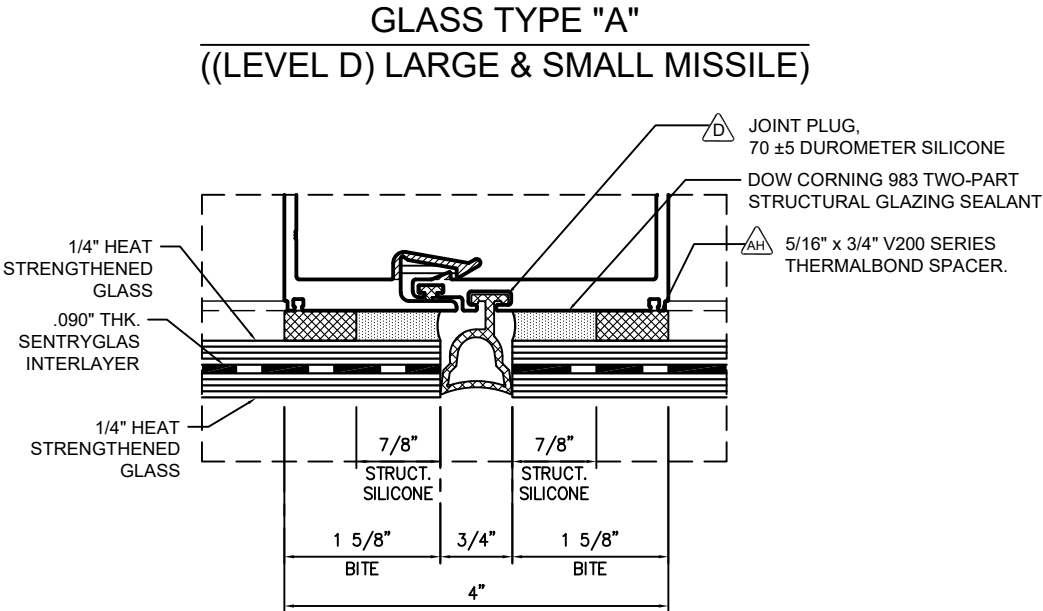
TITLE		GLASS LOAD CAPACITY SSG SYSTEM		FINISH	
PROJECT	RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18	
LOCATION	SOUTH FLORIDA	2	12" MULL REV	12-16-19	
ARCHITECT	PHYSICAL SECURITY, LLC 600 BELLEVUE STREET BIRMINGHAM, AL 35203 PHONE 205-435-4072 FAX 205-928-0367	4	UPDATE GLASS CHARTS	4/18/22	
CONTRACTOR		7	REVISION	2/26/25	
STOCK		8	SHEET ADDED	7/3/25	
ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.		DRAWN BY		ISSUE	
		DATE		SHEET NUMBER	
				8	
				8 of 29	
				JOB # RT4-NOA	

RT4 SSG CURTAINWALL SYSTEM,
HP GLAZING DETAILS:



GLASS LOAD CAPACITY (PSF) - SSG MULLIONS WITH HP GLAZING DETAILS		
NOMINAL DIMENSIONS		GLASS TYPE "F" (LMI AND SMI)
D.L.O. WIDTH (IN)	D.L.O. HEIGHT (IN)	EXTERIOR (+) & INTERIOR (-)
54	72	130
60		130
66		120
72		112
77		110
42	84	130
48		130
54		122
60		112.2
66		110
36	92 3/4	130
42		130
48		130
54		119.5
60		110
36	96	130
42		130
48		127.2
54		115.2
58		110
30	120	130
36		130
42		120
46		110
62	132	130
30		130
36		128
42		110
30	144	130
36		117.6
38 1/2		110

RT4 SSG CURTAINWALL SYSTEM,
SP GLAZING DETAILS:



GLASS LOAD CAPACITY (PSF) - SSG MULLIONS WITH SP GLAZING DETAILS		
NOMINAL DIMENSIONS		GLASS TYPE "A" (LMI AND SMI)
D.L.O. WIDTH (IN)	D.L.O. HEIGHT (IN)	EXTERIOR (+) & INTERIOR (-)
74	102	65
80		65
86		65
92		65
96		65
74	108	65
80		65
86		65
92		65
96		65
68	114	65
74		65
80		65
86		65
91 1/2		64.7
66	120	65
74		65
78		65
82		65
87		64.7
62	126	65
68		65
74		65
78		65.9
82 3/4		63.8
62	132	65
68		65
74		65
79		64.1
62	138	65
68		65
74		65
75 1/2		64.6
62	141	65
68		65
74		65

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(CO.# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



TITLE		GLASS LOAD CAPACITY SSG SYSTEM	DATE	DESCRIPTION	DATE	REVISION	DATE	REVISION	DATE	REVISION
PROJECT	RT4 SYSTEM NOA	1	10-15-18							
LOCATION	SOUTH FLORIDA	2	4/18/22							
ARCHITECT	CONTRACTOR	4	7/3/25							
CONTRACTOR	ADDED PVB	8								
STOCK										
FINISH										

ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.

SCOTT WOLTERS
FL PE# 62354
JUN 28 2026

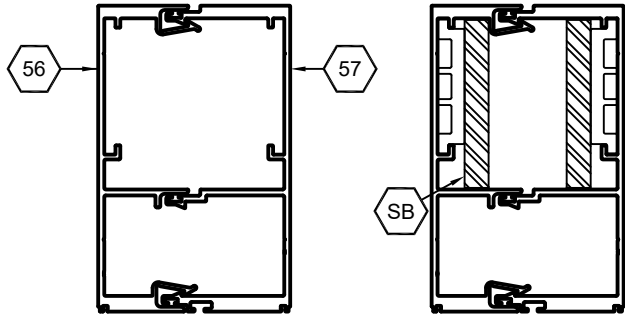
9 of 29
JOB # RT4-NOA

MULTI-SPAN MULLIONS - MULLION LOAD CAPACITY (PSF)									
		CAPTURED SYSTEM				SSG SYSTEM			
NOMINAL DIMENSIONS		JAMB "J1"	MULLION "M1"	JAMB "J2"	MULLION "M2"	JAMB "J1"	MULLION "M1"	JAMB "J2"	MULLION "M2"
MULLION SPACING (IN)	SPAN=L (IN)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
42	108	85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
66		85	85	130	130	85	85	120	120
72		85	85	130	130	85	85	120	120
84		85	85	130	130	85	85	120	120
42	114	85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
66		85	85	130	130	85	85	120	120
72		85	85	130	130	85	85	120	120
78	120	85	85	130	130	85	85	120	120
84		85	85	130	130	85	85	120	120
42	126	85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
66		85	85	130	130	85	85	120	120
72		85	85	130	130	85	85	120	120
76	132	85	85	130	130	85	85	120	120
42		85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
66		85	85	130	130	85	85	120	120
75	138	85	85	130	130	85	85	120	120
42		85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
66		85	85	130	130	85	85	120	120
72	144	85	85	130	130	85	85	120	120
39		85	85	130	130	85	85	120	120
42		85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
69	150	85	85	130	130	85	85	120	120
39		85	85	130	130	85	85	120	120
42		85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
66	156	85	85	130	130	85	85	120	120
39		85	85	130	130	85	85	120	120
42		85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120
63	166	85	85	130	130	85	85	120	120
39		85	85	130	130	85	85	120	120
42		85	85	130	130	85	85	120	120
45		85	85	130	130	85	85	120	120
48		85	85	130	130	85	85	120	120
51		85	85	130	130	85	85	120	120
54		85	85	130	130	85	85	120	120
60		85	85	130	130	85	85	120	120

RT4 MULTI-SPAN MULLIONS:
(CAPT'D AND SSG)

MULLION SPACING = WIDTH 1
(AT JAMB MULLION)

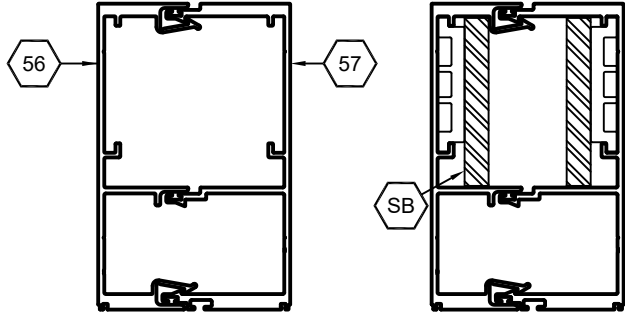
MULLION SPACING = $\frac{\text{WIDTH 1} + \text{WIDTH 2}}{2}$
(AT TYP. MULLION)



J1	ALUMINUM
I _x (IN ⁴)	24.377
S _x (IN ³)	7.432

J2	ALUMINUM	STEEL
I _x (IN ⁴)	24.377	3.573
S _x (IN ³)	7.432	2.042

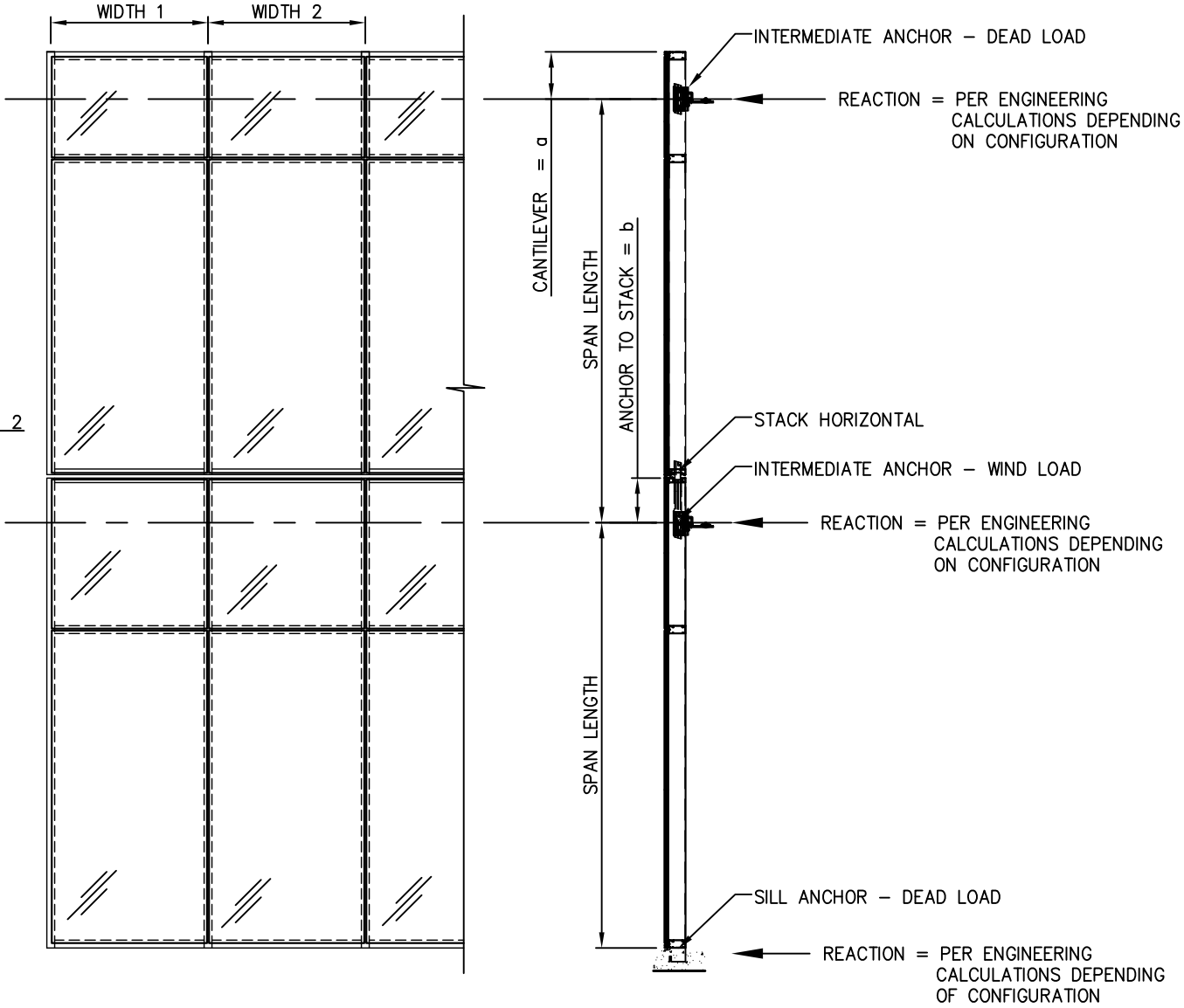
JAMB MULLIONS MUST ALSO MEET THE REQUIREMENTS OF ASTM C1472 FOR DEFLECTION AND SEALANT MOVEMENT.



M1	ALUMINUM
I _x (IN ⁴)	24.377
S _x (IN ³)	7.432

M2	ALUMINUM	STEEL
I _x (IN ⁴)	24.377	3.573
S _x (IN ³)	7.432	2.042

TYP. REINFORCEMENT LENGTH IS MULLION LENGTH MINUS 12”.



UN-EQUAL SPAN MULLIONS:

MULLON LIMITATIONS:

MULLIONS MUST MEET ALL OF THE FOLLOWING CRITERIA:

1. MAX SPAN LENGTH = 166 in.
2. MAX PRESSURE FOR SSG APPLICATIONS = 120 psf.
3. MAX PRESSURE FOR CAPTURED APPLICATIONS = 130 psf.
4. AT SSG MULLIONS, MAX. STRESS ON STRUCTURAL SILICONE MAY NOT EXCEED 20 psi.
5. MAX BENDING MOMENT (REINF. MULLIONS) = 141,480 in-lb.
6. MAX. BENDING MOMENT (MULLION ONLY) = 92,504 in-lb.
7. MAX REACTION AT MID-SPAN ANCHORS = 8275 lb.
8. MAX REACTION AT SILL ANCHORS = 2215 lb.

JAMB LIMITATIONS:

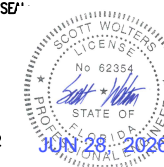
JAMBES MUST MEET ALL OF THE FOLLOWING CRITERIA:

1. MAX SPAN LENGTH = 166 in.
2. MAX PRESSURE FOR SSG APPLICATIONS = 120 psf.
3. MAX PRESSURE FOR CAPTURED APPLICATIONS = 130 psf.
4. AT SSG MULLIONS, MAX. STRESS ON STRUCTURAL SILICONE MAY NOT EXCEED 20 psi.
5. MAX BENDING MOMENT (REINF. JAMB) = 75,454 in-lb.
6. MAX. BENDING MOMENT (JAMB ONLY) = 49,334 in-lb.
7. MAX REACTION AT MID-SPAN ANCHORS = 4415 lb.
8. MAX REACTION AT SILL ANCHORS = 1180 lb.
9. JAMB DEFLECTION MAY NOT EXCEED THE REQUIREMENTS OF ASTM C-1472 OR L/180.

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(CO# 27194)

15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



TITLE	MULLION LOAD CAPACITY	ISSUE	SUBMITTAL	DATE	SEALS	REVISION	DATE
PROJECT	RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18			
LOCATION	SOUTH FLORIDA	2	12" MULL REV	12-16-19			
ARCHITECT							
CONTRACTOR							
STOCK							

PHYSICAL SECURITY, LLC
600 BELLEVUE STREET
BIRMINGHAM, AL 35202
PHONE 205-435-4072
FAX 205-435-6367

ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.

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DATE 15OCT2018

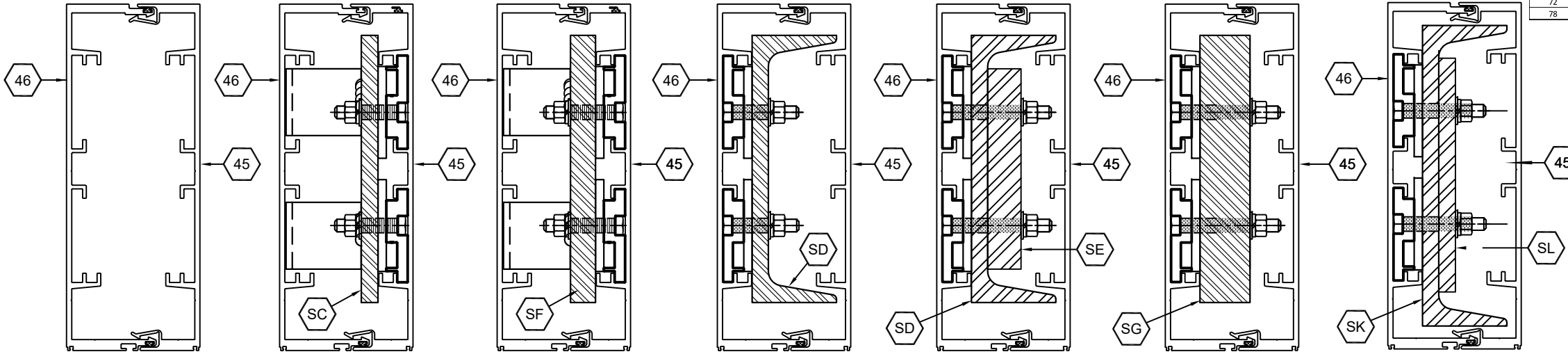
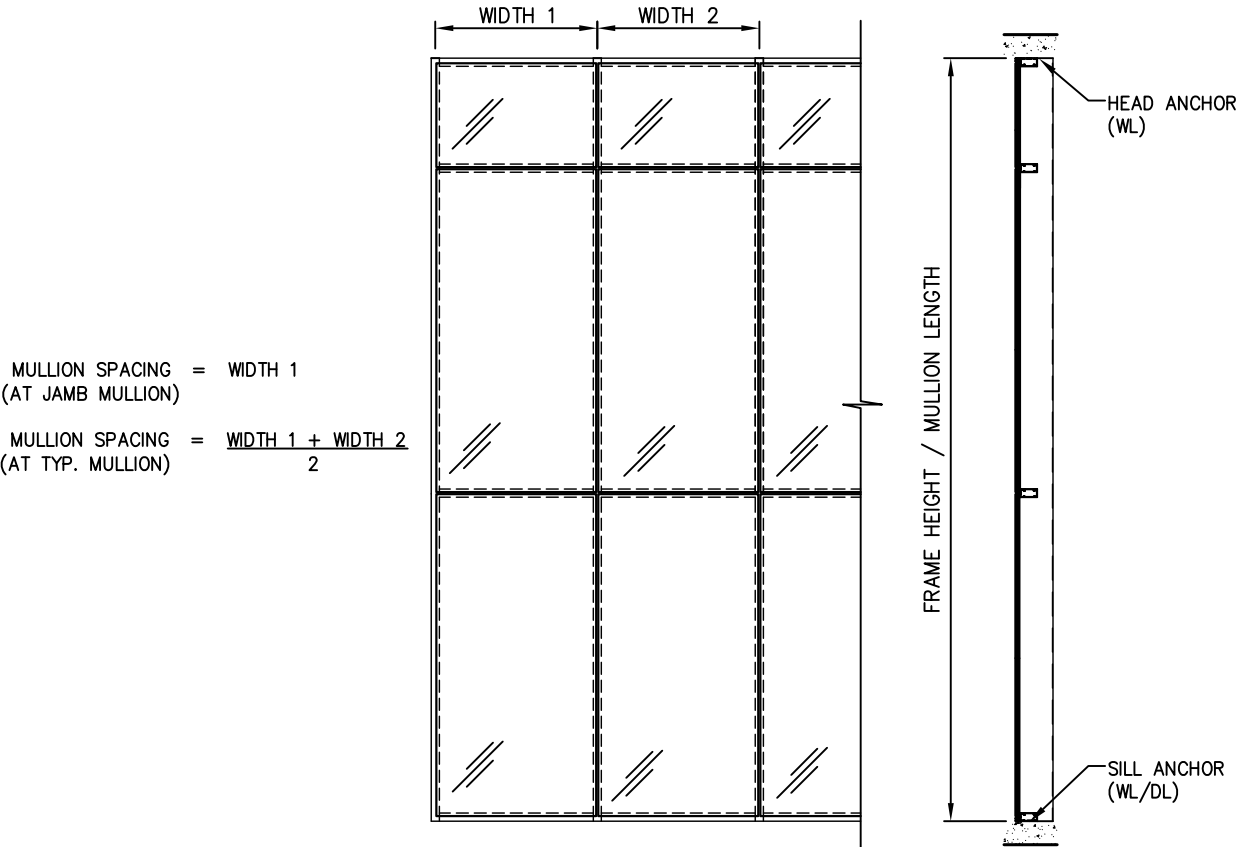
SHEET NUMBER

10

10 OF 29

JOB # RT4-NOA

RT4 SINGLE SPAN SSG MULLIONS:



J3	ALUMINUM
I _x (IN ⁴)	91.852
S _x (IN ³)	17.615

J4	ALUMINUM	STEEL
I _x (IN ⁴)	91.852	21.33
S _x (IN ³)	17.615	5.33

J5	ALUMINUM	STEEL
I _x (IN ⁴)	91.852	32
S _x (IN ³)	17.615	8

M3	ALUMINUM	STEEL
I _x (IN ⁴)	91.852	44.0
S _x (IN ³)	17.615	11.0

M4	ALUMINUM	STEEL
I _x (IN ⁴)	91.852	62.0
S _x (IN ³)	17.615	15.5

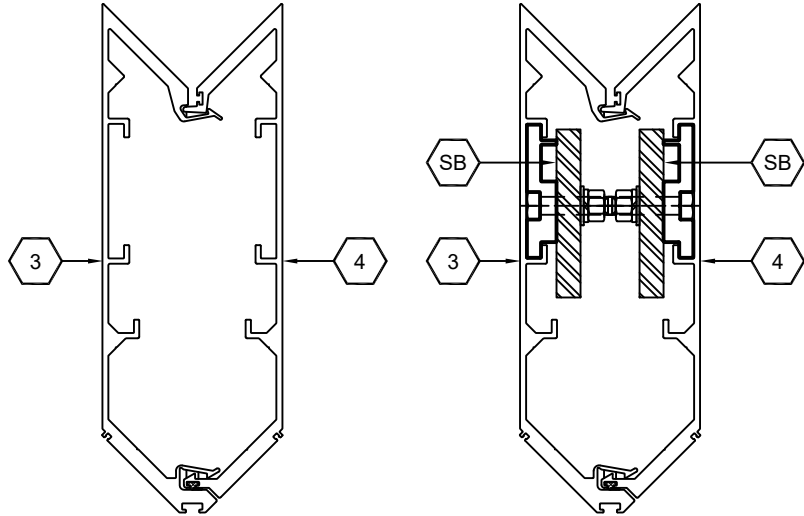
M5	ALUMINUM	STEEL
I _x (IN ⁴)	91.852	64
S _x (IN ³)	17.615	16

M6	ALUMINUM	STEEL
I _x (IN ⁴)	91.852	75.2
S _x (IN ³)	17.615	13.5

SINGLE SPAN MULLIONS - MULLION LOAD CAPACITY (PSF)													
		SSG SYSTEM											
NOMINAL DIMENSIONS		JAMB "J3"		JAMB "J4"		JAMB "J5"		MULLION "M3"/"M4"		MULLION "M5"		MULLION "M6"	
MULLION SPACING (IN)	MULLION HEIGHT (IN)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+)	INT. (-)	EXT. (+) INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	
42	192	87.6	100	100	117	100	100	117	100	130			
51 1/4		87.6	100	100	117	100	100	117	100	130			
60		-	100	100	117	100	100	117	100	130			
68		-	88.2	100	117	88.2	100	117	100	130			
84		-	71.4	100	117	71.4	100	117	100	117			
96	204	-	65	100	117	65	100	117	100	117			
42		85.6	96.8	100	117	96.8	100	117	100	130			
48 1/4		85.6	96.8	100	117	96.8	100	117	100	130			
60		-	96.8	100	117	96.8	100	117	100	130			
64		-	93.2	100	117	93.2	100	117	100	130			
72	216	-	82.9	100	117	82.9	100	117	100	117			
84		-	71	100	117	71	100	117	100	117			
96		-	65	100	117	65	100	117	100	117			
24		83.5	93.6	100	117	93.6	100	117	100	130			
45 1/2		83.5	93.6	100	117	93.6	100	117	100	130			
60	216	-	93.6	100	117	93.6	100	117	100	130			
66		-	89.7	100	117	89.7	100	117	100	117			
72		-	82.2	100	117	82.2	100	117	100	117			
84		-	70.5	100	117	70.5	100	117	100	117			
90		-	65.8	100	117	65.8	100	117	100	117			
96	228	-	65	65	65	65	65	65	65	65			
36		81.5	90.5	100	117	90.5	100	117	100	130			
43 1/4		81.5	90.5	100	117	90.5	100	117	100	130			
57 1/2		-	90.5	100	117	90.5	100	117	100	130			
60		-	90.5	100	117	90.5	100	117	100	117			
66	240	-	89	100	117	90.5	100	117	100	117			
72		-	81.5	100	117	60.6	100	117	100	117			
84		-	69.9	100	117	69.9	100	117	100	117			
96		-	65	65	65	65	65	65	65	65			
36		79.4	87.3	100	117	87.3	100	117	100	130			
41	240	79.4	87.3	100	117	87.3	100	117	100	130			
54 1/4		-	87.3	100	117	87.3	100	117	100	130			
66		-	87.3	100	117	87.3	100	117	100	117			
72		-	80.6	100	117	80.6	100	117	100	117			
81		-	71.6	100	117	71.6	100	117	100	117			
84	252	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		77.4	84.1	100	117	84.1	100	117	100	130			
39		77.4	84.1	100	117	84.1	100	117	100	130			
52		-	84.1	100	117	84.1	100	117	100	130			
66	252	-	84.1	100	117	84.1	100	117	100	117			
72		-	79.6	100	117	79.6	100	117	100	117			
78		-	73.5	100	117	73.5	100	117	100	117			
84		-	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2			
96		-	65	65	65	65	65	65	65	65			
36	276	77.4	84.1	100	117	84.1	100	117	100	130			
39		77.4	84.1	100	117	84.1	100	117	100	130			
52		-	84.1	100	117	84.1	100	117	100	130			
66		-	84.1	100	117	84.1	100	117	100	117			
72		-	79.6	100	117	79.6	100	117	100	117			
78	288	-	73.5	100	117	73.5	100	117	100	117			
84		-	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2			
96		-	65	65	65	65	65	65	65	65			
36		81.5	90.5	100	117	90.5	100	117	100	130			
43 1/4		288	81.5	90.5	100	117	90.5	100	117	100	130		
57 1/2	-		90.5	100	117	90.5	100	117	100	130			
60	-		90.5	100	117	90.5	100	117	100	117			
66	-		89	100	117	90.5	100	117	100	117			
72	-		81.5	100	117	60.6	100	117	100	117			
84	300	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		79.4	87.3	100	117	87.3	100	117	100	130			
41		300	79.4	87.3	100	117	87.3	100	117	100	130		
54 1/4			-	87.3	100	117	87.3	100	117	100	130		
66	-		87.3	100	117	87.3	100	117	100	117			
72	-		80.6	100	117	80.6	100	117	100	117			
81	-		71.6	100	117	71.6	100	117	100	117			
84	312	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		77.4	84.1	100	117	84.1	100	117	100	130			
39		77.4	84.1	100	117	84.1	100	117	100	130			
52		-	84.1	100	117	84.1	100	117	100	130			
66	312	-	84.1	100	117	84.1	100	117	100	117			
72		-	79.6	100	117	79.6	100	117	100	117			
78		-	73.5	100	117	73.5	100	117	100	117			
84		-	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2			
96		-	65	65	65	65	65	65	65	65			
36	324	81.5	90.5	100	117	90.5	100	117	100	130			
43 1/4		324	81.5	90.5	100	117	90.5	100	117	100	130		
57 1/2			-	90.5	100	117	90.5	100	117	100	130		
60			-	90.5	100	117	90.5	100	117	100	117		
66			-	89	100	117	90.5	100	117	100	117		
72	-		81.5	100	117	60.6	100	117	100	117			
84	336	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		79.4	87.3	100	117	87.3	100	117	100	130			
41		336	79.4	87.3	100	117	87.3	100	117	100	130		
54 1/4			-	87.3	100	117	87.3	100	117	100	130		
66	-		87.3	100	117	87.3	100	117	100	117			
72	-		80.6	100	117	80.6	100	117	100	117			
81	-		71.6	100	117	71.6	100	117	100	117			
84	348	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		77.4	84.1	100	117	84.1	100	117	100	130			
39		77.4	84.1	100	117	84.1	100	117	100	130			
52		-	84.1	100	117	84.1	100	117	100	130			
66	348	-	84.1	100	117	84.1	100	117	100	117			
72		-	79.6	100	117	79.6	100	117	100	117			
78		-	73.5	100	117	73.5	100	117	100	117			
84		-	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2			
96		-	65	65	65	65	65	65	65	65			
36	360	81.5	90.5	100	117	90.5	100	117	100	130			
43 1/4		360	81.5	90.5	100	117	90.5	100	117	100	130		
57 1/2			-	90.5	100	117	90.5	100	117	100	130		
60			-	90.5	100	117	90.5	100	117	100	117		
66			-	89	100	117	90.5	100	117	100	117		
72	-		81.5	100	117	60.6	100	117	100	117			
84	372	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		79.4	87.3	100	117	87.3	100	117	100	130			
41		372	79.4	87.3	100	117	87.3	100	117	100	130		
54 1/4			-	87.3	100	117	87.3	100	117	100	130		
66	-		87.3	100	117	87.3	100	117	100	117			
72	-		80.6	100	117	80.6	100	117	100	117			
81	-		71.6	100	117	71.6	100	117	100	117			
84	384	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		77.4	84.1	100	117	84.1	100	117	100	130			
39		77.4	84.1	100	117	84.1	100	117	100	130			
52		-	84.1	100	117	84.1	100	117	100	130			
66	384	-	84.1	100	117	84.1	100	117	100	117			
72		-	79.6	100	117	79.6	100	117	100	117			
78		-	73.5	100	117	73.5	100	117	100	117			
84		-	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2			
96		-	65	65	65	65	65	65	65	65			
36	396	81.5	90.5	100	117	90.5	100	117	100	130			
43 1/4		396	81.5	90.5	100	117	90.5	100	117	100	130		
57 1/2			-	90.5	100	117	90.5	100	117	100	130		
60			-	90.5	100	117	90.5	100	117	100	117		
66			-	89	100	117	90.5	100	117	100	117		
72	-		81.5	100	117	60.6	100	117	100	117			
84	408	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		79.4	87.3	100	117	87.3	100	117	100	130			
41		408	79.4	87.3	100	117	87.3	100	117	100	130		
54 1/4			-	87.3	100	117	87.3	100	117	100	130		
66	-		87.3	100	117	87.3	100	117	100	117			
72	-		80.6	100	117	80.6	100	117	100	117			
81	-		71.6	100	117	71.6	100	117	100	117			
84	420	-	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
96		-	65	65	65	65	65	65	65	65			
36		77.4	84.1	100	117	84.1	100						

MULTI-SPAN:

MULTI-SPAN CORNER MULLION			
MULLION LOAD CAPACITY (PSF)			
NOMINAL DIMENSIONS		CORNER "C1"	CORNER "C2"
CORNER SPACING (IN)	SPAN HEIGHT (IN)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
59	120	85	130
67 1/2		85	130
76		85	130
84 1/2		85	130
50 1/2	132	85	130
59		85	130
67 1/2		85	130
77		85	130
42	144	85	130
50 1/2		85	130
59		85	130
70 1/2		85	130
42	156	85	130
50 1/2		85	130
59		85	130
65		85	130
33 1/2	166	85	130
42		85	130
50 1/2		85	130
61 1/2		85	130



C1	ALUMINUM
I_x (IN⁴)	79.892
S_x (IN³)	14.842

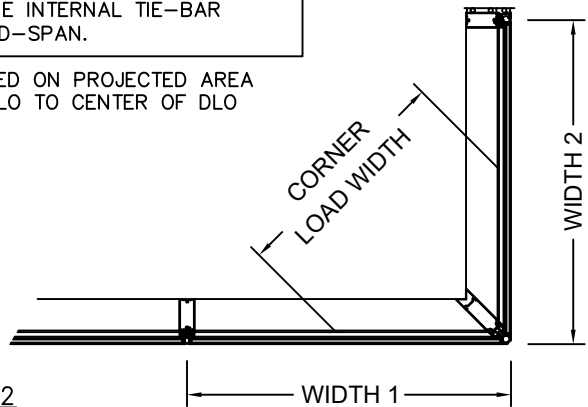
C2	ALUMINUM	STEEL
$I_x (IN^4)$	79.892	3.573
$S_x (IN^3)$	14.842	2.042

MULTI-SPAN CORNER MULLION LIMITATIONS:

CORNER MULLIONS MUST MEET ALL OF THE FOLLOWING CRITERIA:

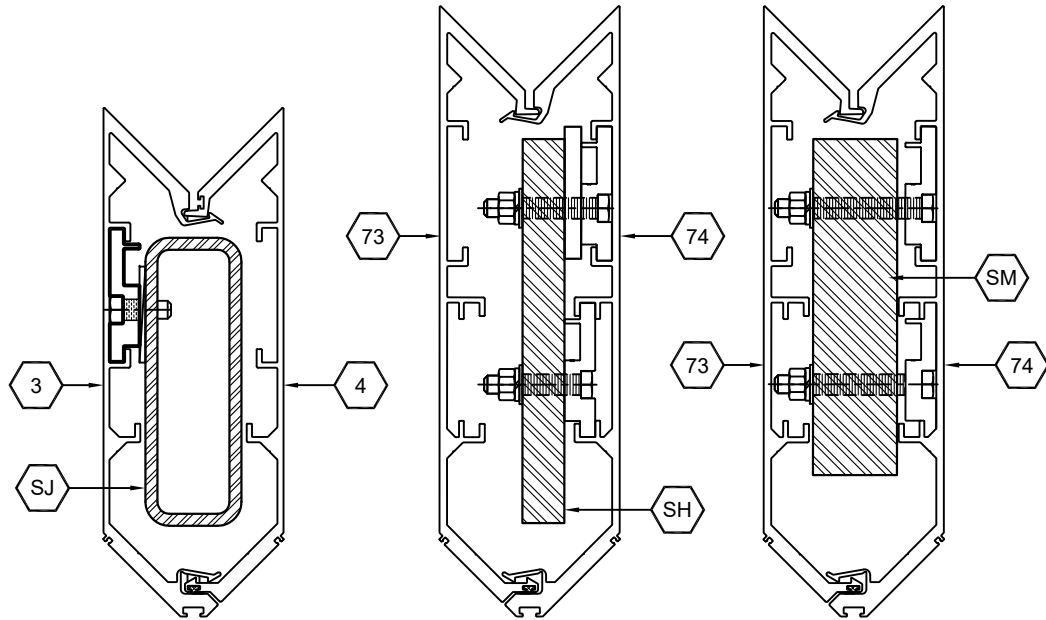
1. MAX SPAN LENGTH = 166 in.
2. MAX PRESSURE = 130 psf.
3. MAX BENDING MOMENT (REINF. MULLION) = 102,643 in-lb.*
4. MAX BENDING MOMENT (MULLION ONLY) = 67,119 in-lb.*
5. MAX REACTION AT MID-SPAN ANCHORS = 6005 lb.*
6. MAX REACTION AT SILL ANCHOR = 1605 lb.*
7. C1 MULLION SPANS REQUIRE THE INTERNAL TIE-BAR SHOWN IN DETAIL C4/22 AT MID-SPAN.

* VALUES LISTED BASED ON PROJECTED AREA
FROM CENTER OF DLO TO CENTER OF DLO



$$\text{CORNER SPACING (IN CHART)} = \frac{\text{WIDTH 1} + \text{WIDTH 2}}{2}$$

SINGLE SPAN:



C3	ALUMINUM	STEEL
$I_x (IN^4)$	79.892	8.08
$S_x (IN^3)$	14.842	3.23

C4	ALUMINUM	STEEL
I_x (IN ⁴)	136.545	37.333
S_x (IN ³)	21.203	9.333

C5	ALUMINUM	STEEL
$I_x (IN^4)$	136.545	50
$S_x (IN^3)$	21.203	13.3

C3 CORNER MULLION NOTES:

1. FRAME WIDTHS MEASURED FROM INSIDE OR OUTSIDE CORNERS ARE UNLIMITED PROVIDED THERE ARE THREE OR MORE BAYS ON EITHER SIDE OF THE CORNER, AND THE MULLION SPACINGS MEET THE REQUIREMENTS OF THE MULLION CHART ON SHEET 10.
2. IF THERE ARE LESS THAN 3 BAYS, THEN THE JAMB MULLION MUST BE ANCHORED TO AN INSIDE CORNER MULLION OR TO THE STRUCTURE WITH THE ANCHORS SHOWN IN DETAIL C7/23, (3) PER MULLION.
3. THE C3 SINGLE SPAN CORNER MULLION IS PARTIALLY SUPPORTED BY THE HORIZONTAL MULLIONS. THE MAX. AXIAL (TENSION) LOAD ALLOWED IS 1614 lb PER HORIZONTAL.
4. MAX WL REACTION AT HEAD/SILL ANCHOR = 3163 lb.*

* VALUES LISTED BASED ON PROJECTED AREA
FROM CENTER OF DLO TO CENTER OF DLO

SINGLE SPAN CORNER MULLION						
NOMINAL DIMENSIONS		MULLION LOAD CAPACITY (PSF)				
		CORNER "C3"	CORNER "C4"		CORNER "C5"	
CORNER SPACING (IN)	MULLION HEIGHT (IN)	EXT. (+) INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
63	226	65	100	117	100	130
76		65	100	117	100	117
87 1/2		65	100	117	100	117
93		-	100	117	100	117
59	240	65	100	117	100	130
67 1/2		65	100	117	100	117
82 1/2		65	100	117	100	117
87 1/2		-	100	117	100	117
53 1/2	264	65	100	117	100	130
67 1/2		65	100	117	100	117
75		65	100	117	100	117
79 1/2		-	100	117	100	117
45	268 1/2	65	100	117	100	130
53		65	100	117	100	130
73 1/2		-	100	117	100	117
78		-	100	117	100	117
50 1/2	288	65	100	117	100	117
59		65	100	117	100	117
68 1/2		65	100	117	100	117
73		-	100	117	100	117
42	302 1/2	65	100	117	100	117
50 1/2		65	100	117	100	117
65		65	100	117	100	117
69 1/2		-	100	117	100	117
42	312	65	100	117	100	117
50 1/2		65	100	117	100	117
59		65	130	117	130	117
63		65	100	117	100	117
67 1/2	323	-	94	110	100	117
42		65	100	117	100	117
50 1/2		65	100	117	100	117
61		65	87.5	102.5	100	117
65	-	82.5	96.6	100	117	

This shop drawing represents our interpretation of the architect's plans and specifications, and our contract requirements for this project. The contractor will be notified by the general contractor that no material will be fabricated for this project until the shop drawings have been approved by the architect. Any material fabricated from these approved shop drawings that does not fit job conditions will be removed and shipped to the job only at the contractor's expense and only after receipt of change order to cover the extra expense.

We assume no responsibility as to measurements or details affecting any work but our own, and will not be responsible for any errors occurring through the use of this drawing by any other party or supplier.

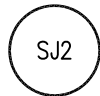
[illegible]

PHYSICAL SECURITY
600 BELVIEW STREET
BESSEMER, AL 35890
PHONE 205.425.4000
FAX 205.426.3933

ALL DIMENSIONS, QUANTITIES,
SIZES AND MATERIALS MUST
BE CONFIRMED BY PROJECT
MANAGER PRIOR TO RELEASE
FOR FABRICATION.

DRAWN BY	TM	ISSUE
DATE	15OCT2018	
SHEET NUMBER		
12		
12	OF	29
JOB #	RT4-NOA	

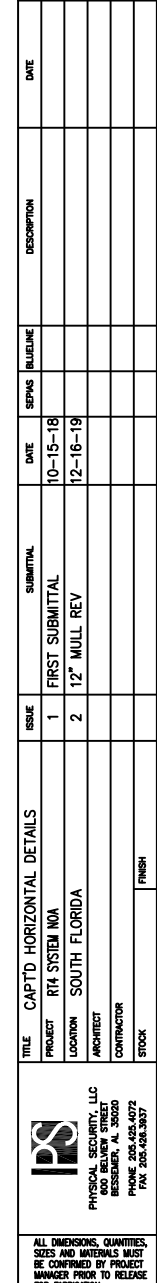
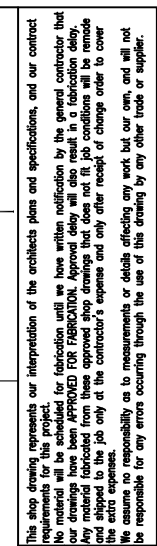
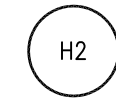
SJ1



SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (CO# 27194) 15211 97TH ROAD N WEST PALM BEACH, FL 33412 PH/FAX: (561) 225-1982		SE# 	FOR FABRICATION DRAW BY: TM ISSUE: DATE: 15OCT2018 SHEET NUMBER: 13
		JUN 28, 2026 13 OF 29 JOB # RT4-NOA	

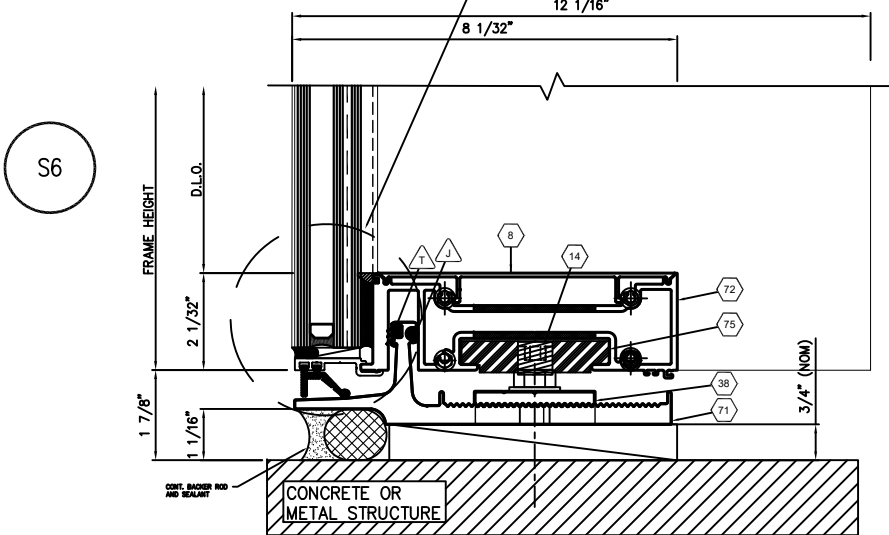
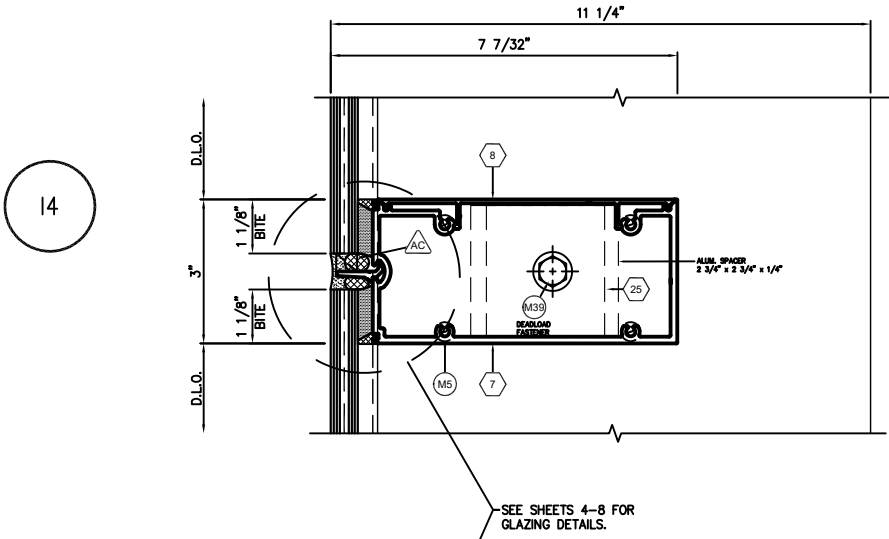
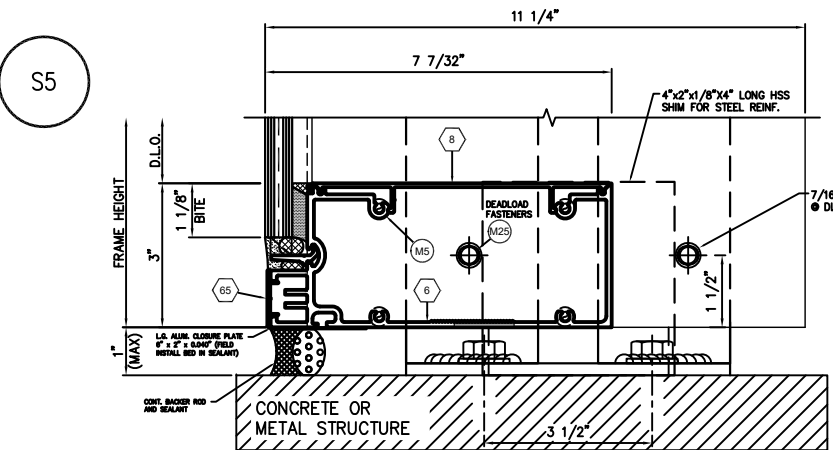
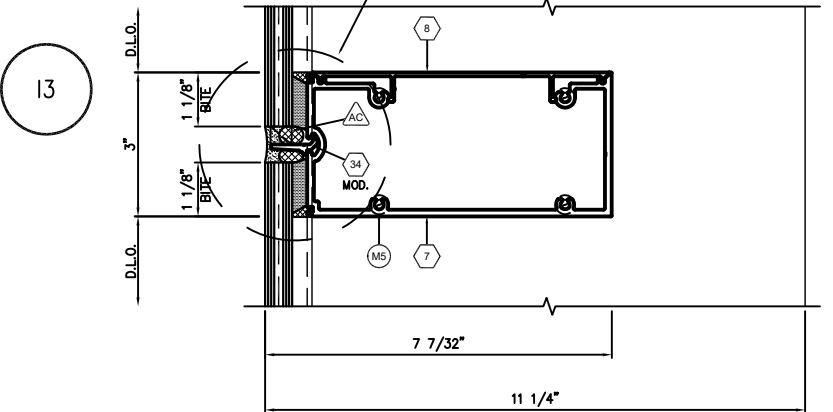
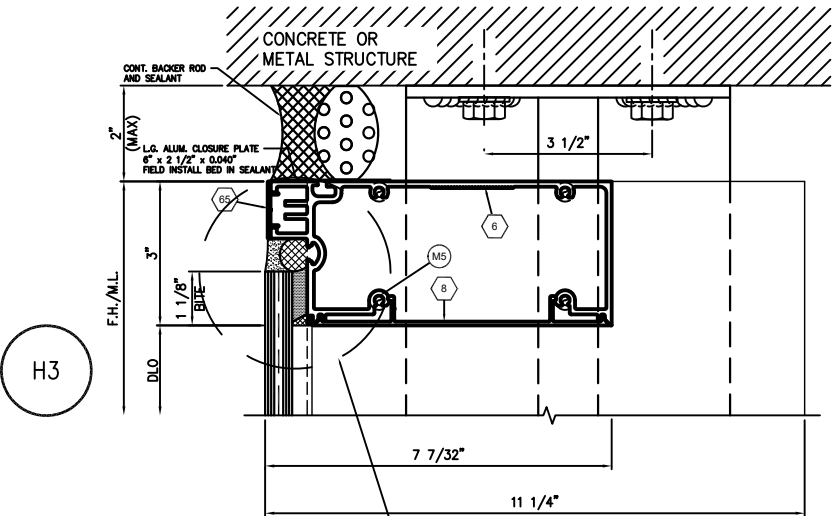
PHYSICAL SECURITY, LLC 600 BELLEVUE STREET BESSMER, AL 35020 PHONE 205.425.4072 FAX 205.425.3557		ALL DIMENSIONS, QUANTITIES, SPECIES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.	
DATE	15MCT2018	ISSUE	
DRAWN BY		SHEET NUMBER	
13		13	
OF 29		RT-4-NOA	
PROJECT	SSS HORIZONTAL DETAILS	ISSUE	
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SJ3



SCOTT WOLTERS FL PE# 62354		SE* 	FOR FABRICATION DRAWN BY <u>TM</u> ISSUE	
WOLTERS ENGINEERING (CO# 27194) 15211 97TH ROAD N WEST PALM BEACH, FL 33412 PH/FAX: (561) 225-1982			DATE <u>15OCT2018</u> SHEET NUMBER 14	
		JUN 28 2026		14 of 29 JOB # R74-NOA

RT4 SINGLE SPAN DETAILS:
(SSG SYSTEM)



SEE SHEETS 21 AND 22 (CORNER) FOR ANCHOR REQUIREMENTS

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(CO# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

SE/

15

15 of 29

RT4-NOA

TITLE	CAPT'D HORIZONTAL DETAILS	ISSUE	SUBMITTAL	DATE	SEPM	REVISION	DESCRIPTION	DATE
PROJECT	RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18				
LOCATION	SOUTH FLORIDA	2	12" MULL REV	12-16-19				
ARCHITECT								
CONTRACTOR								
STOCK								

PHYSICAL SECURITY, LLC
100 BELLEVUE STREET
BIRMINGHAM, AL 35202
PHONE 205-435-4072
FAX 205-435-4067

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SIZES AND MATERIALS MUST
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MANAGER PRIOR TO RELEASE
FOR FABRICATION.

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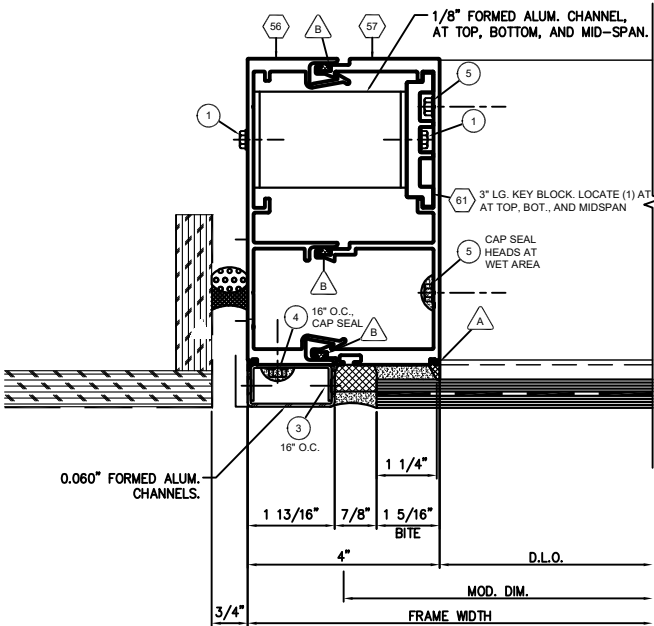
DATE: 15OCT2018

SHEET NUMBER

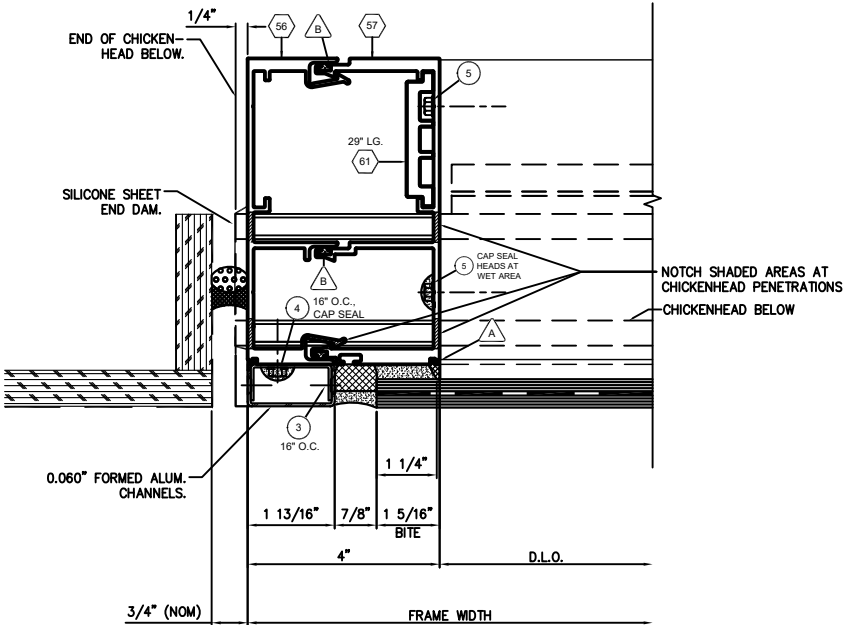
JUN 28 2026

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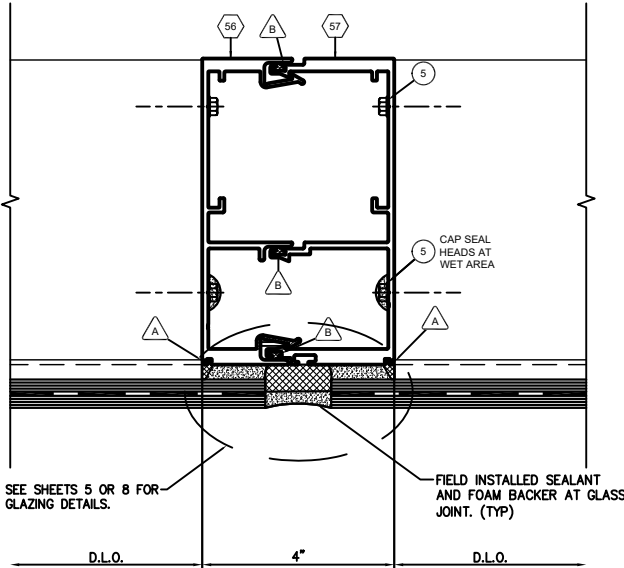
RT4 MULTI-SPAN DETAILS:
(SSG SYSTEM)



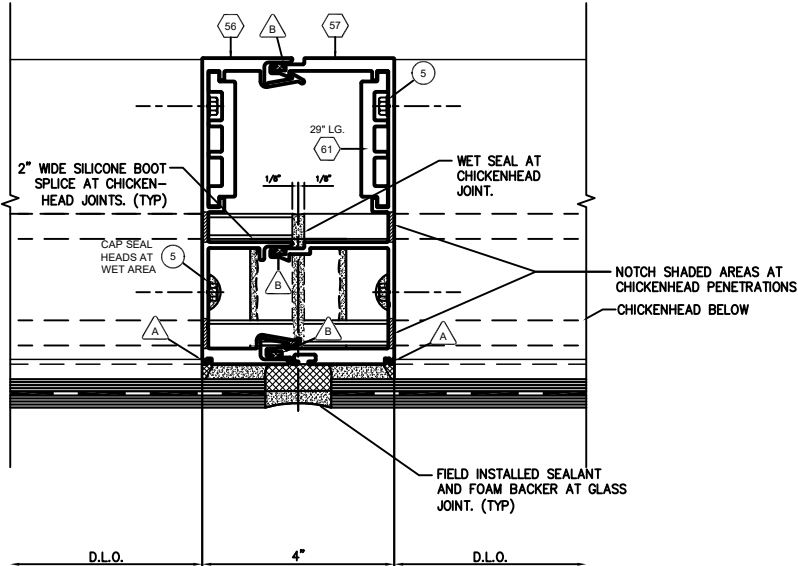
J1



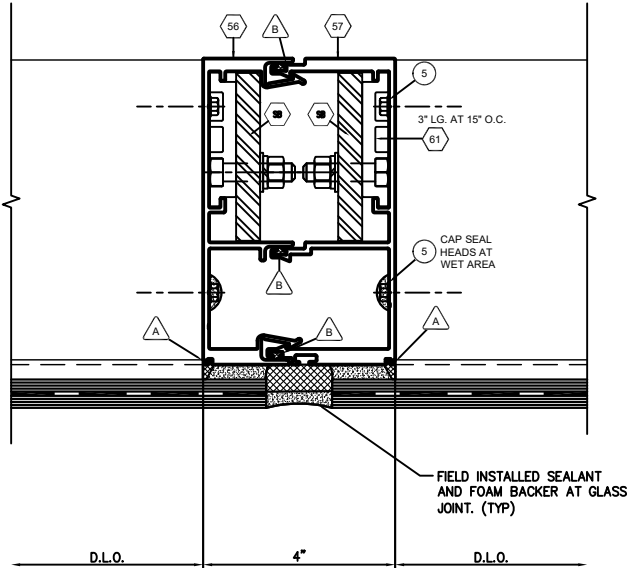
J2



V1

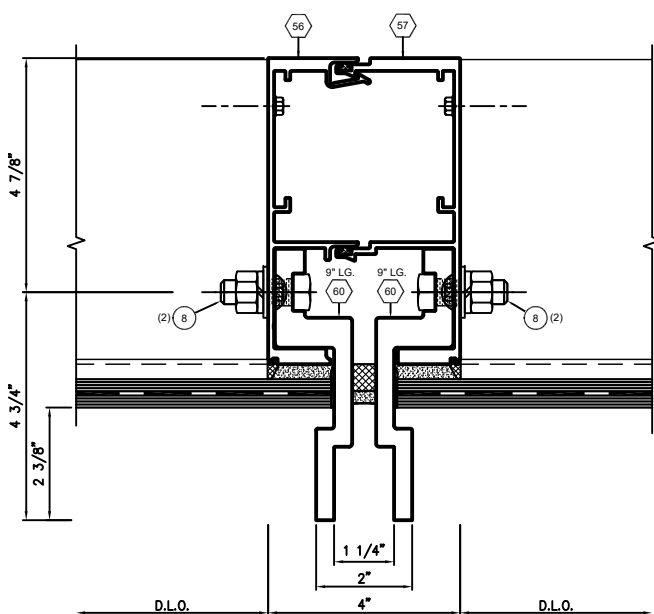


V2



V1

WITH STEEL REINFORCING



V1

WITH SUNSHADE BRACKETS

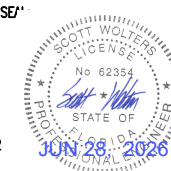
This shop drawing represents our interpretation of the architect's plans and specifications, and our contract requirements for this project. We warrant that the drawings were prepared in accordance with the contract documents and that we have not been notified of any changes or omissions. Any material fabricated from these drawings that does not fit job conditions will be removed at the contractor's expense and only after receipt of change order to cover the extra expense. We are not responsible for any errors occurring through the use of this drawing by any other trade or supplier.

TITLE	MULTI-SPAN MULLION DETAILS	ISSUE	SUBMITTAL	DATE	SEPM	REVISION	DESCRIPTION	DATE
PROJECT	RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18				
LOCATION	SOUTH FLORIDA	2	12\" MULL REV	12-16-19				
ARCHITECT								
CONTRACTOR								
STOCK								

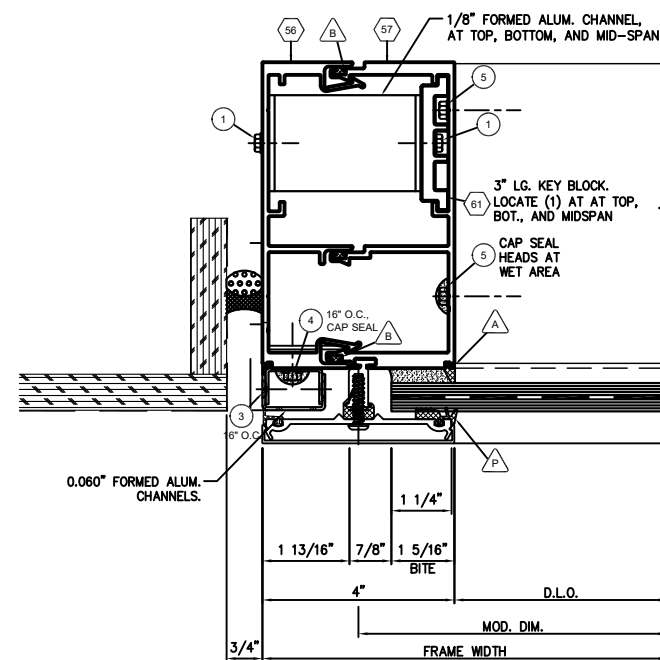
ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.	DATE	15OCT2018
DRAWN BY	TM	ISSUE
SHEET NUMBER	16	
16	OF	29
JOB #	RT4-NOA	

SCOTT WOLTERS
FL PE# 62354

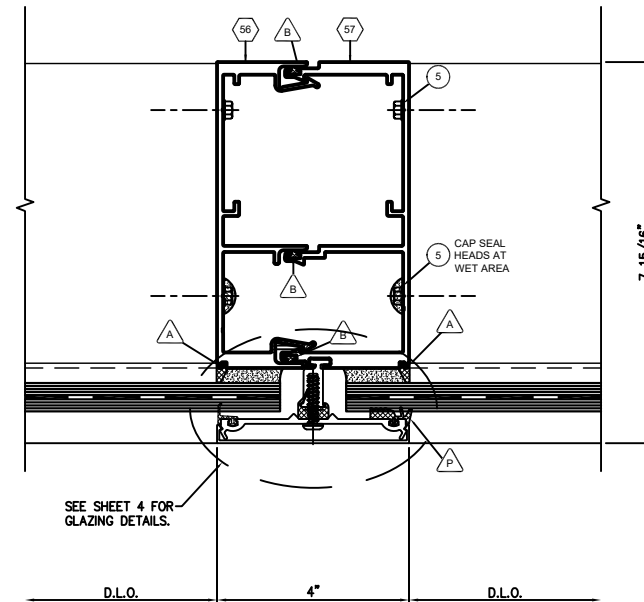
WOLTERS ENGINEERING
(CO# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



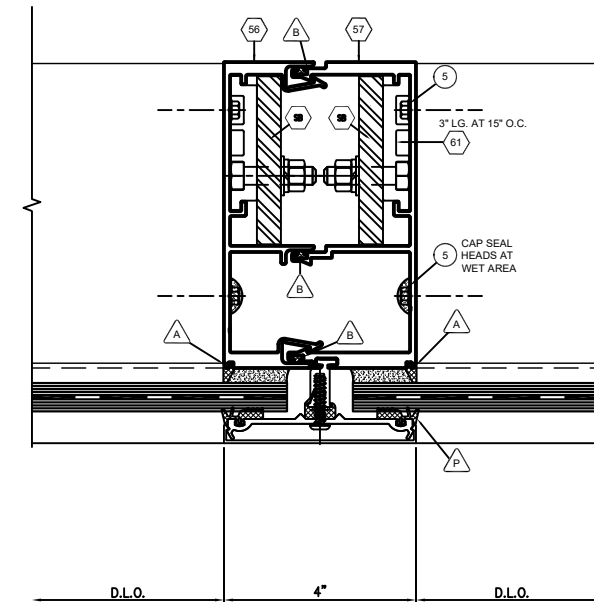
RT4 MULTI-SPAN DETAILS: (CAPT'D SYSTEM)



J3

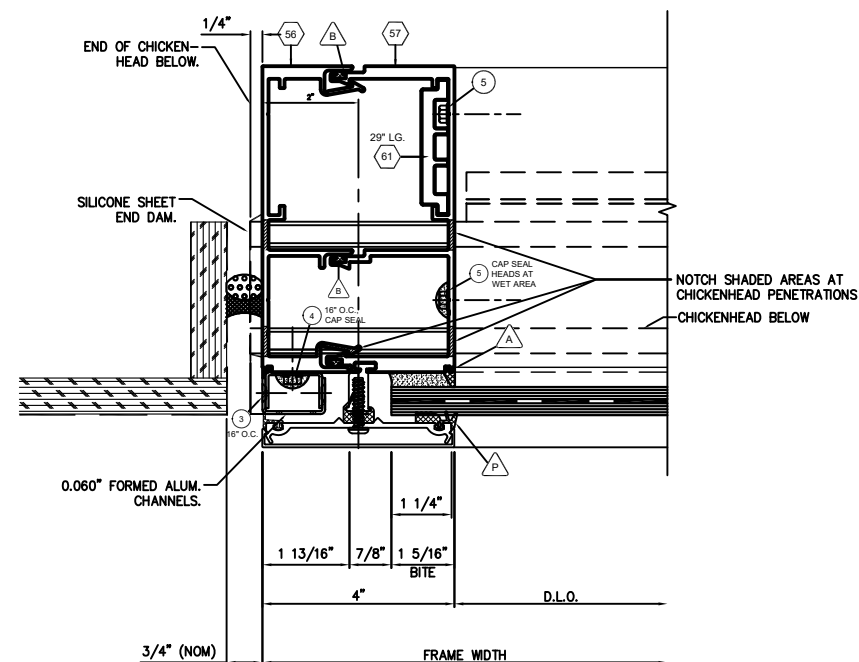


V3

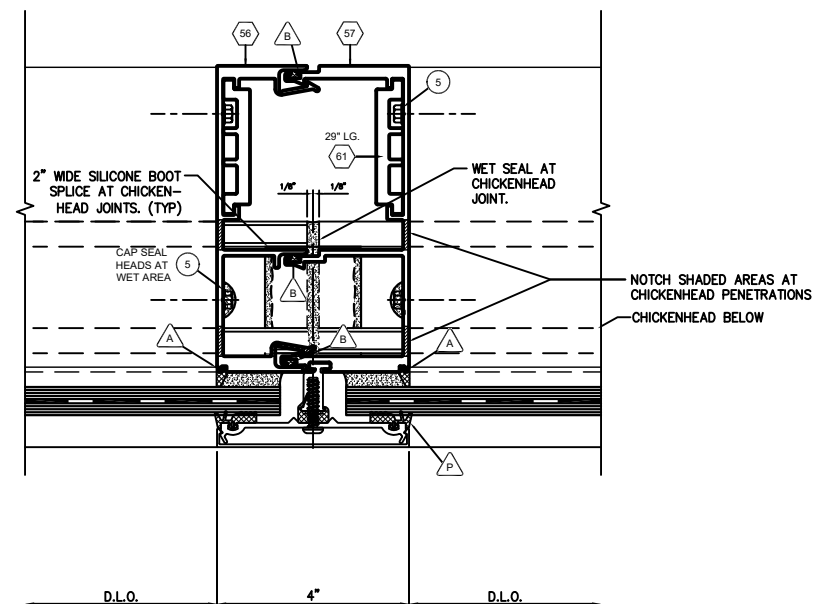


V3

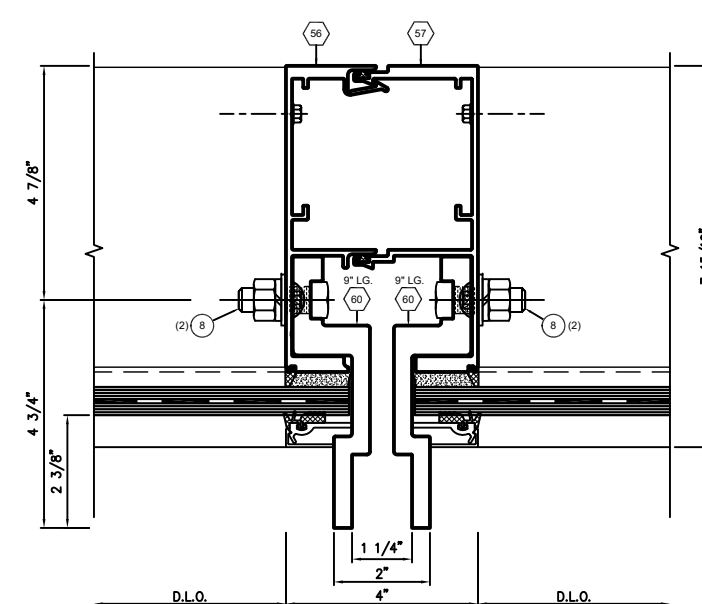
WITH STEEL REINFORCING



J4



V4



V3

WITH SUNSHADE BRACKETS

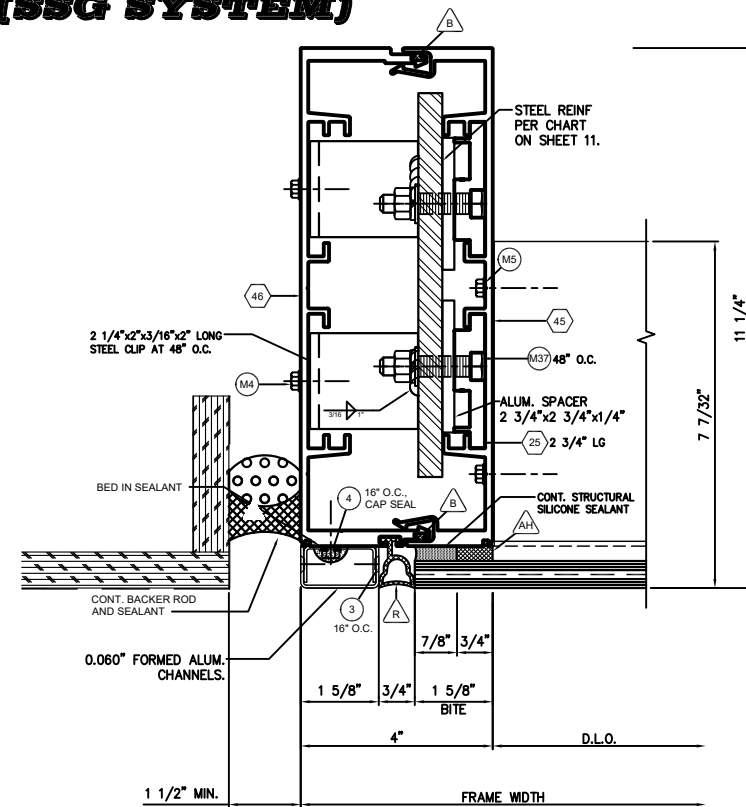
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

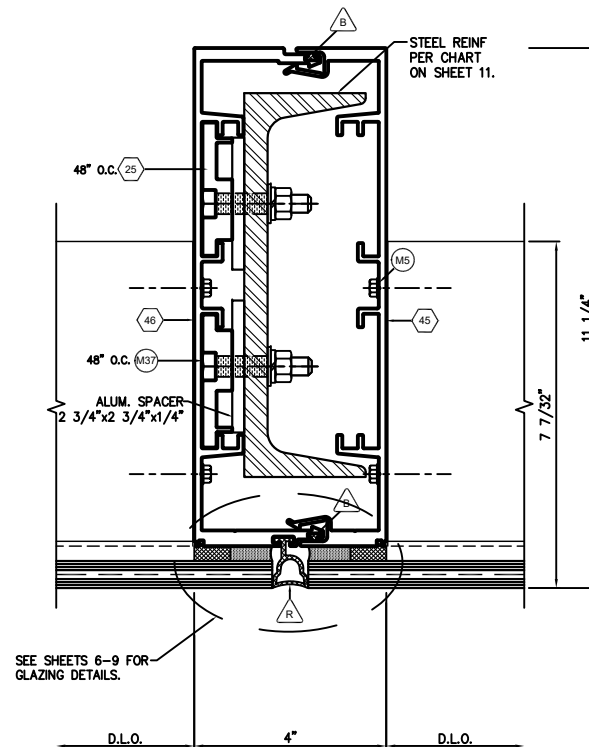
This shop drawing represents the contractor's interpretation of the architect's plans and specifications, and our contract requirements for this project. The fabricator will have written notification by the general contractor that no material will be substituted without the architect's approval. The fabricator will not be responsible for any material fabricated from these approved shop drawings that do not fit job conditions all be made and shipped to the job only at the contractor's expense and only after receipt of change order to cover the extra expense. The contractor will be responsible for any measurements or fabrications made by our own, and will not be responsible for any errors occurring through the use of this drawing by any other trades or supplier.

 PINNACLE SECURITY, LLC 600 WESTER STREET BOSSBAUMER, AL 36620 PHONE 205.635.4672 FAX 205.635.3637		ALL DIMENSIONS, QUANTITIES, NOTES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.	
DRAWN BY <u>TM</u>		ISSUE	
DATE <u>15OCT2018</u>			
SHEET NUMBER			
17			
17 of 29		JOB # <u>RT4-NOA</u>	

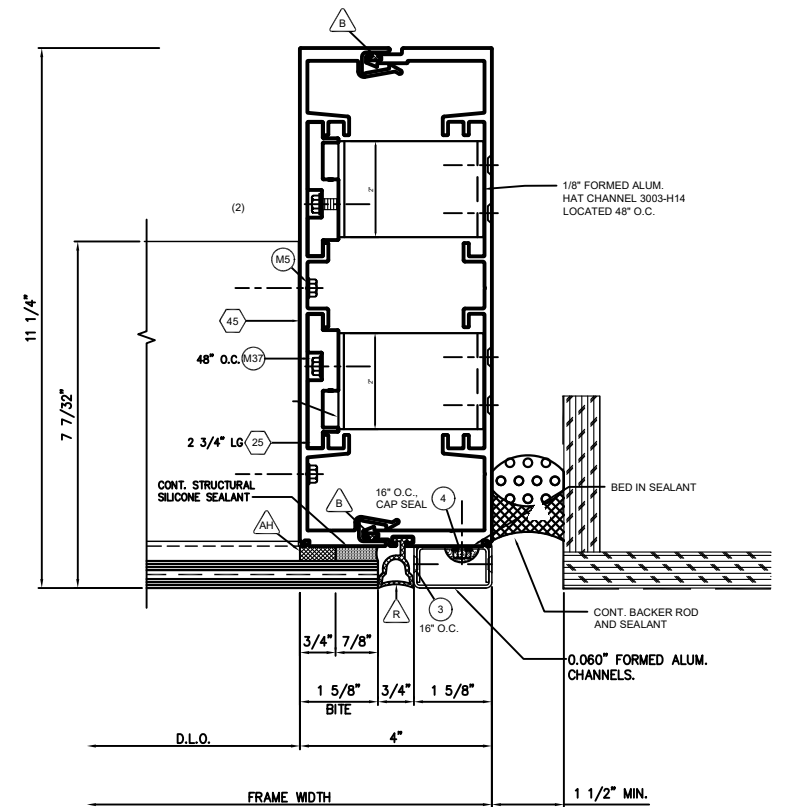
RT4 SINGLE SPAN DETAILS: (SSG SYSTEM)



J5

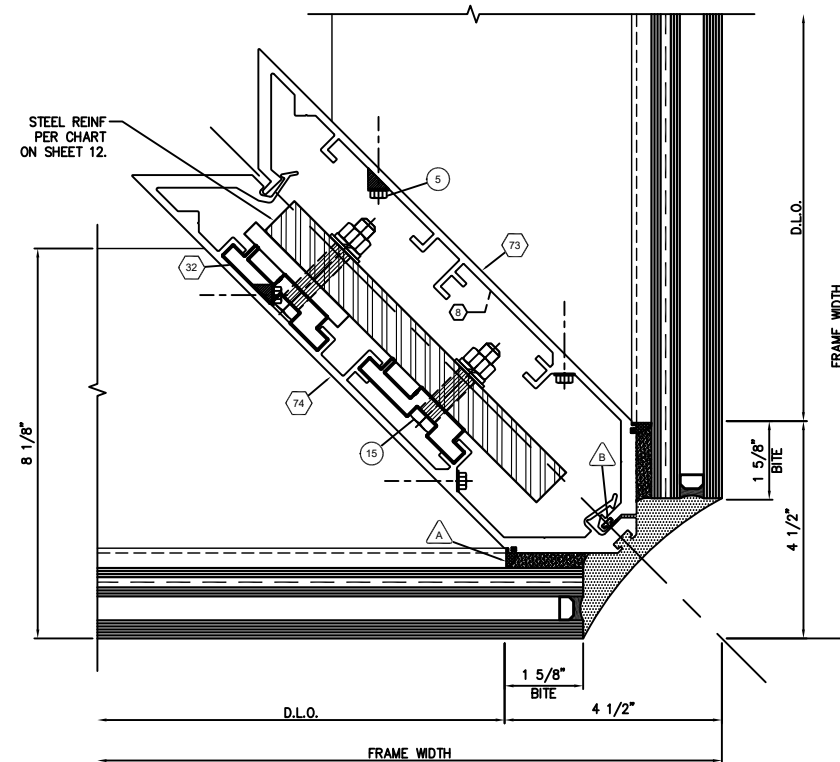


V5

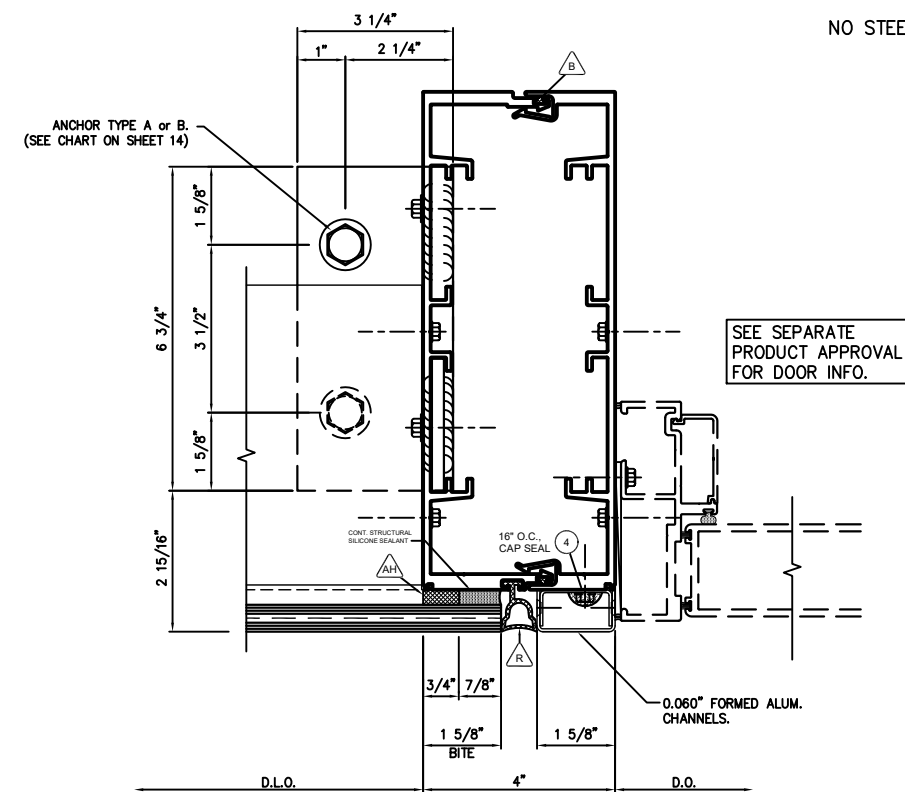


J5

NO STEEL REINFORCING



C1



D.

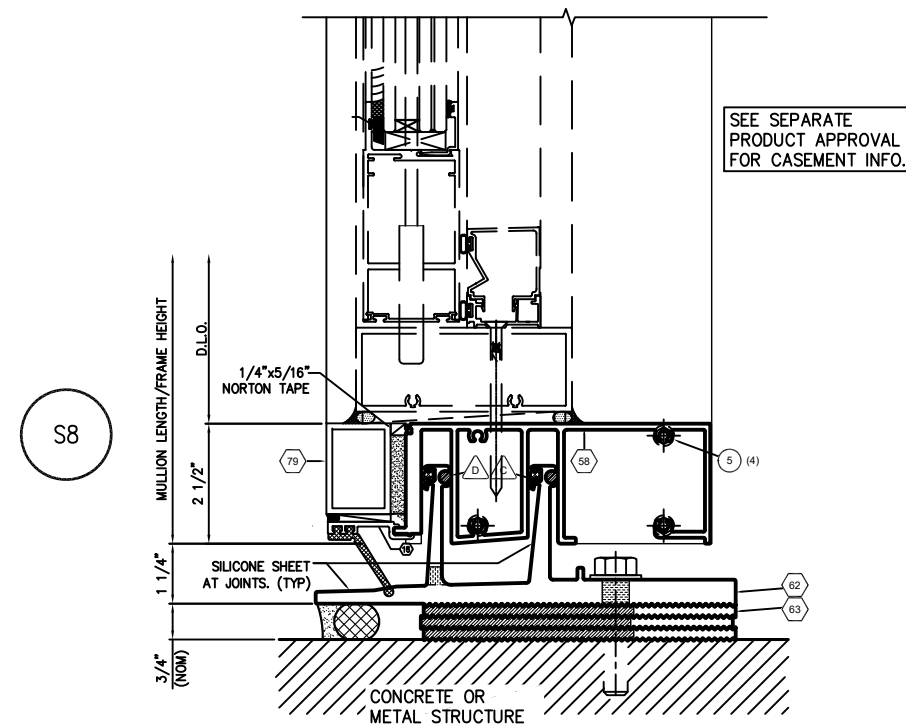
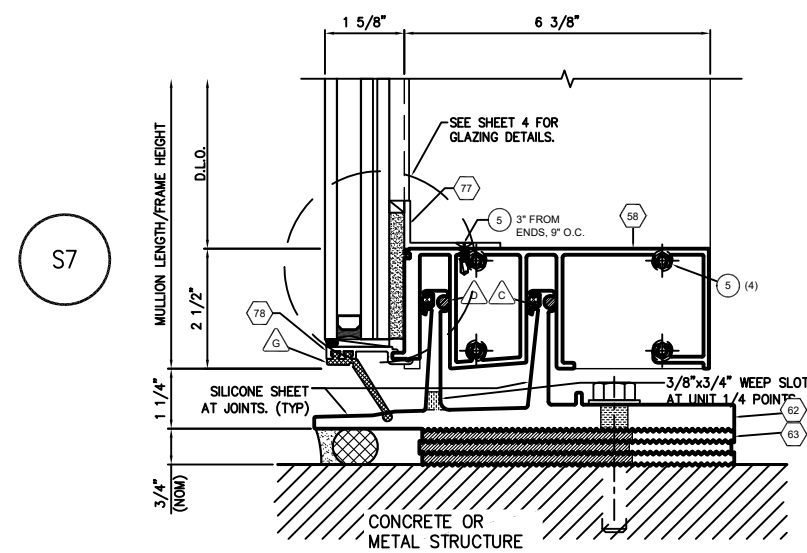
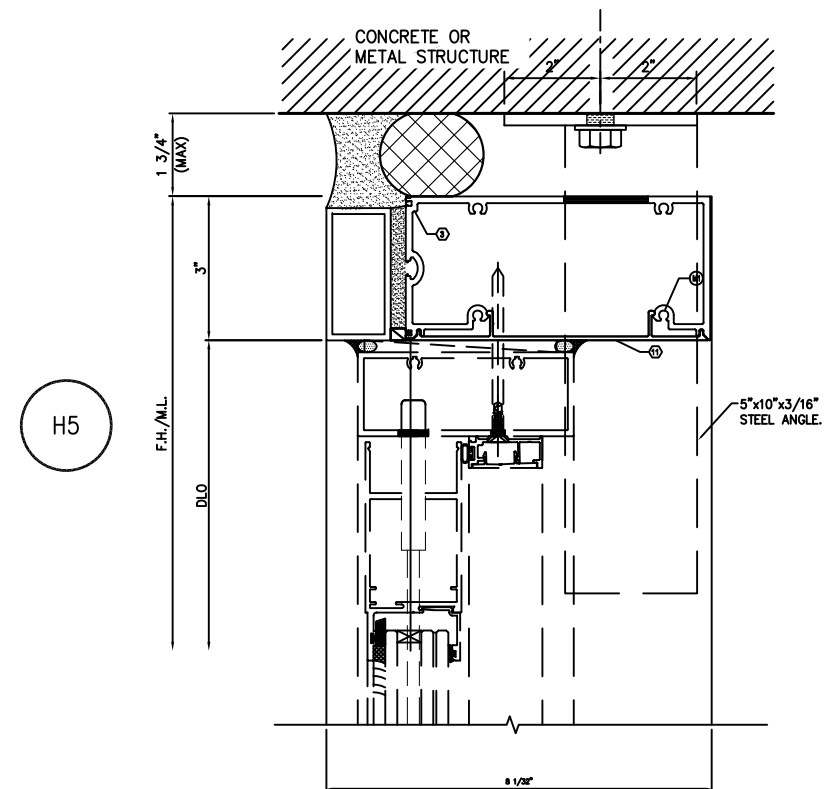
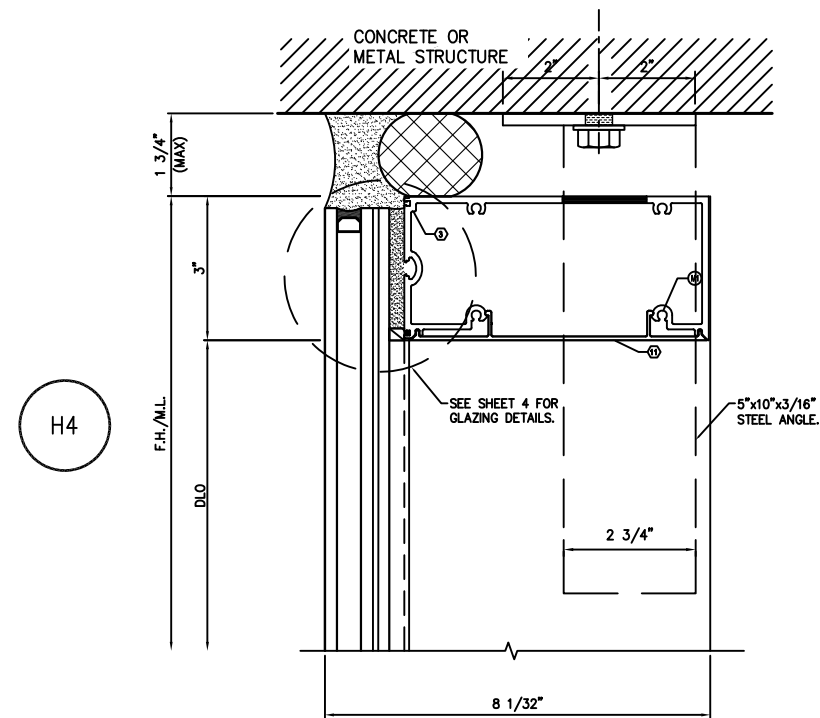
SILL ANCHOR AT CRIPPLED
DOORJAMB MULLION

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

[illegible]

RT4 CLERESTORY DETAILS: (SSG SYSTEM)



SEE SHEET 23 FOR ANCHOR REQUIREMENTS

		ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.		DATE: 15MCT2018 SHEET NUMBER: 19	
DRAWN BY: TSC ISSUE:		PROJECT: RT4 SYSTEM NOA LOCATION: SOUTH, FLORIDA ARCHITECT: BESSEMER, AL 35208 CONTRACTOR: STOCK		FINISH:	
CLIENTS/STORY DETAILS 9 NEW SHEET		SUBMITTAL:		DATE: 6/26/26	
SUPAD:		INCLINE:		DISCOUNT:	
DATE:		DATE:		DATE:	
This shop drawing represents our interpretation of the architect's plans and specifications, and our contract with the client. We assume no responsibility for any errors or omissions in this drawing or for any other trade or supplier. We assume no responsibility for any measurements or details affecting any work but our own, and will not be responsible for any errors occurring through the use of this drawing by any other trade or supplier.					

SCOTT WOLTERS
FL PE# 62354

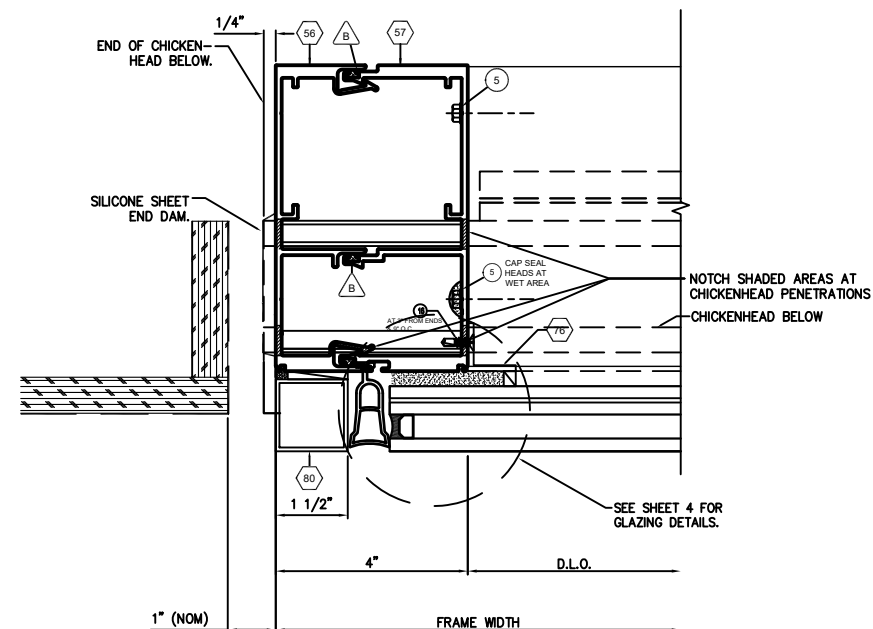
WOLTERS ENGINEERING
(CO# 27194)

15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

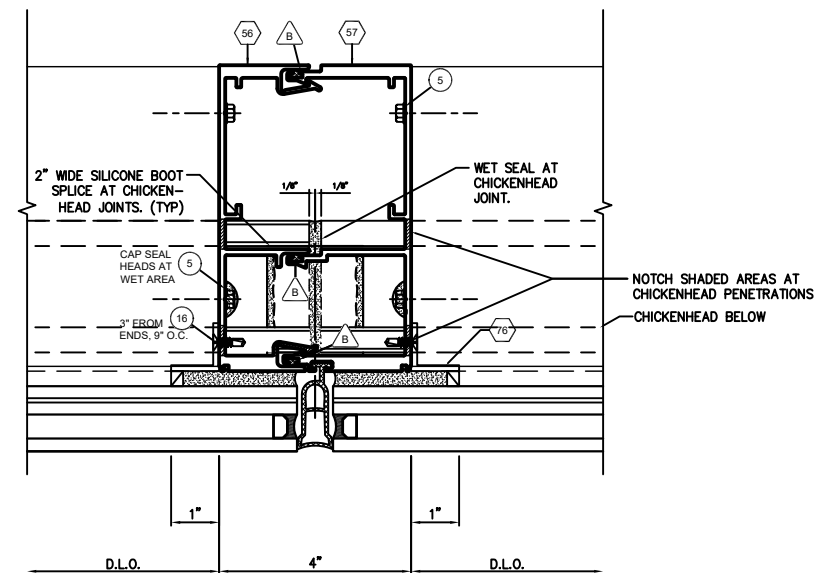
SE¹

SCOTT WOLTERS
ENGINEERING
No. 62354
State of FLORIDA
Professional Engineer
JUN 28 2026

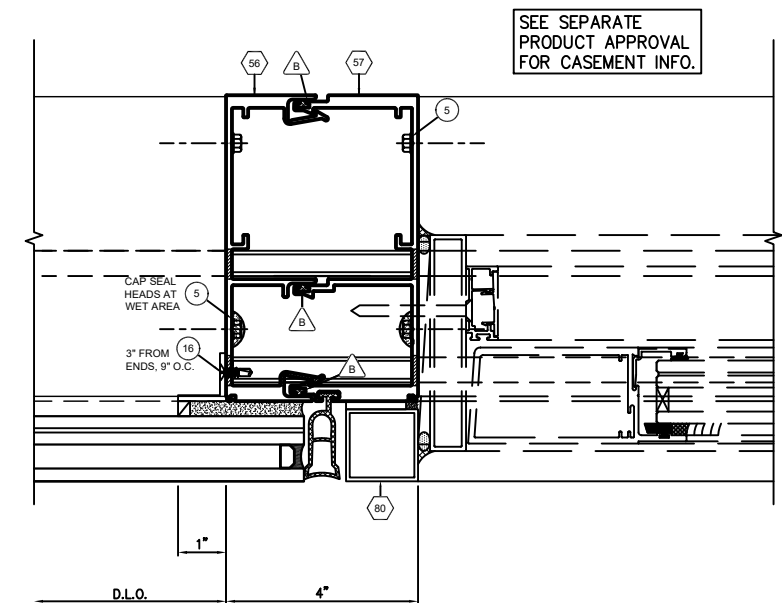
RT4 CLERESTORY DETAILS: (SSG SYSTEM)



J6



V6



DJ2

SEE SEPARATE
PRODUCT APPROVAL
FOR CASEMENT INFO.

This shop drawing represents our interpretation of the architect's plans and specifications, and our contract documents. We warrant that we have prepared this drawing in accordance with the contract documents. No material will be scheduled for fabrication until we have written notification by the general contractor that our drawings have been APPROVED FOR FABRICATION. Approval delay will also result in a fabrication delay. Any material fabricated from these approved shop drawings that does not fit job conditions will be remade and shipped to the job only at the contractor's expense and after receipt of change order to cover the cost of the remade material. We assume no responsibility as to measurements and details affecting any work but our own, and will not be responsible for any errors occurring through the use of this drawing by any other trade or supplier.

PROJECT	ISSUE	SUBMITTING	DATE	REPAIR	INDUCTION	DESCRIPTION	DATE
CLERKS TORT DE FEUILS	9	NEW SHEET	6/26/26				
PROJECT	R14 SYSTEM NOA						
LOCATION	SOUTH FLORIDA						
ARCHITECT							
CONTRACTOR							
STOCK	FINISH						

ps **PHYSICAL SECURITY, LLC**
600 BELVIEW STREET
BESSEMER, AL 35020
PHONE 205.425.4072
FAX 205.425.3937

ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.

DRAWN BY	TM	ISSUE
DATE		15OCT2018
SHEET NUMBER		
20		
20	OF	29
JOB #		RT4-NOA

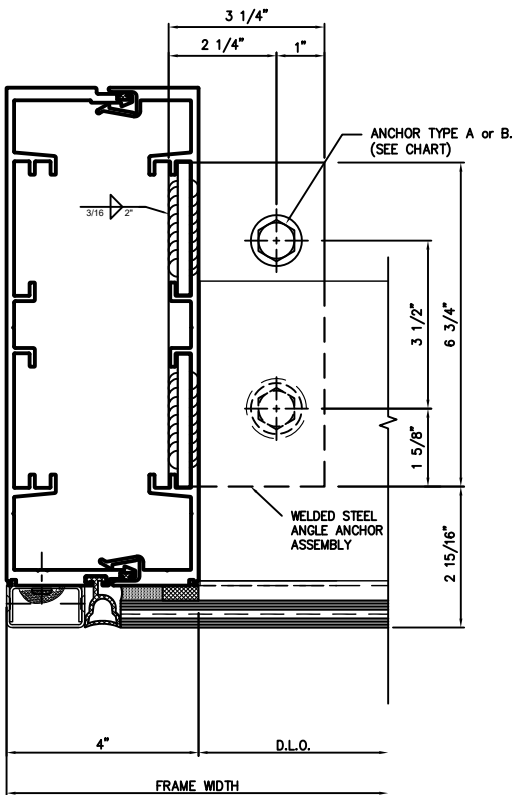
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

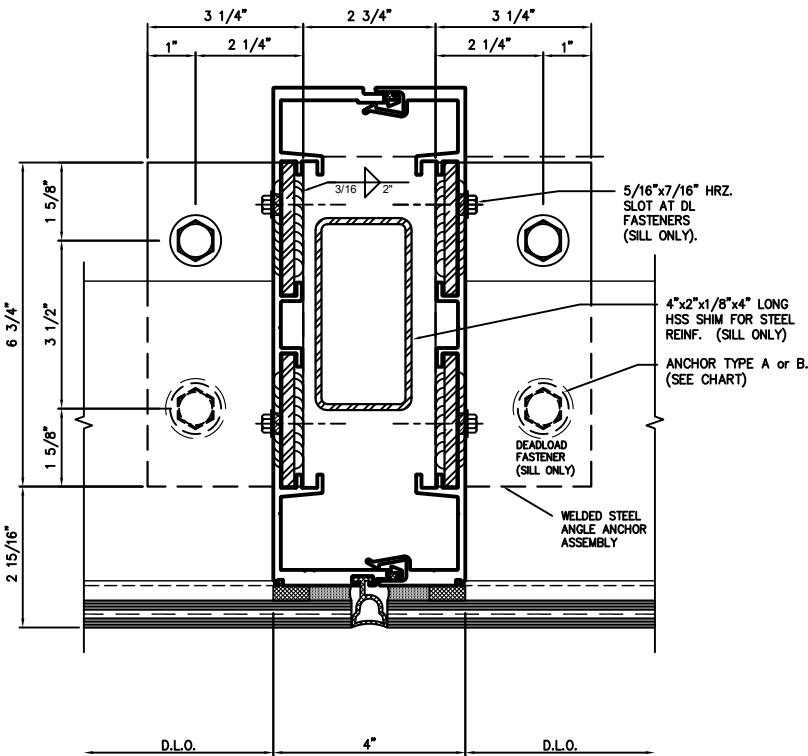


RT4 SINGLE SPAN DETAILS:
(HEAD/SILL ANCHORS)

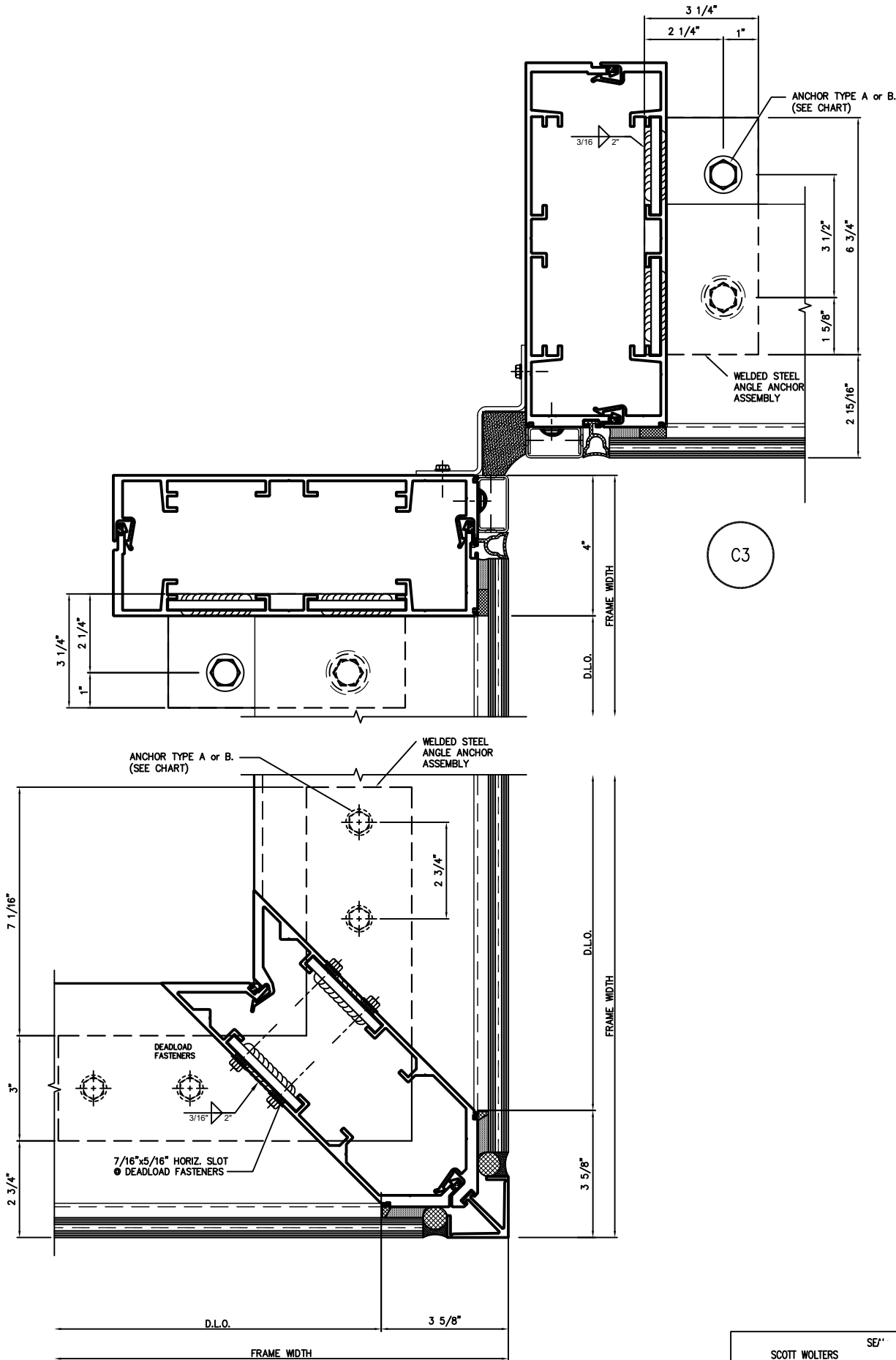
ANCHOR SCHEDULE - SINGLE SPAN HEAD/SILL ANCHORS				
TYPE	BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
(A)	STEEL (1/4" MIN. - A36)	1/2" DIA. ELCO TAP-FLEX (or) 1/2" DIA. HH BOLT (SAE Gr. 5 min)	FULL (SEE NOTE #8)	1 1/4"
(B)	CONCRETE (3000 PSI MIN.)	1/2" DIA. DEWALT SCREWBOLT+	3"	5"



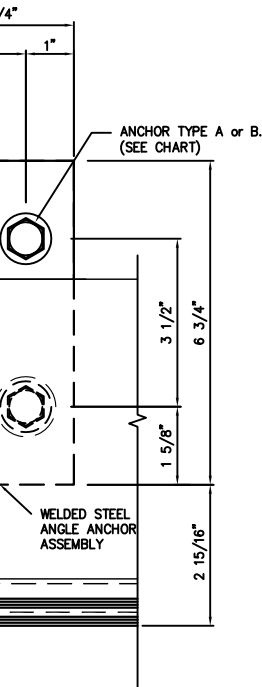
J6



V6



C2



C3

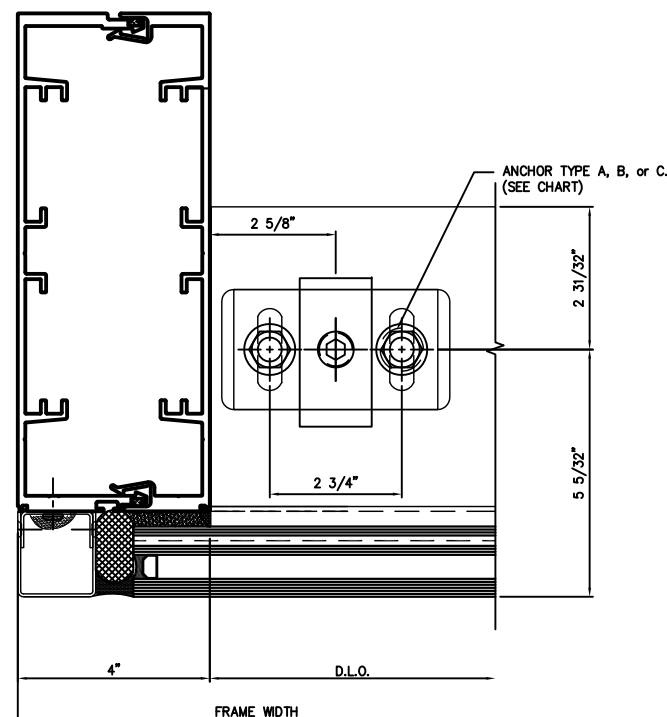
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(CO.# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



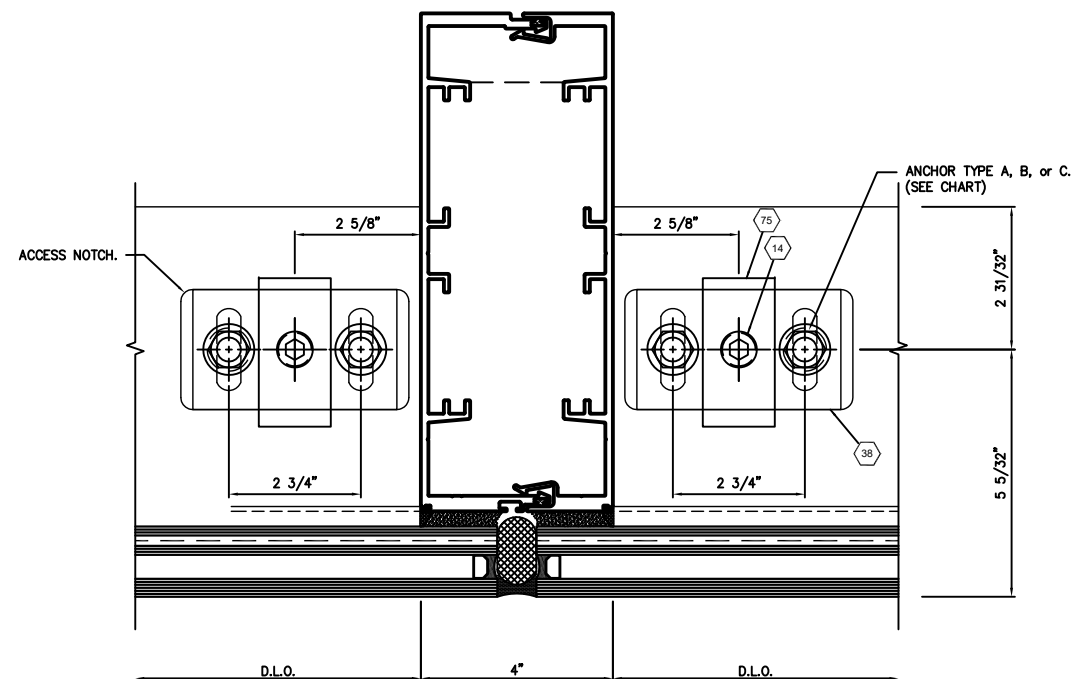
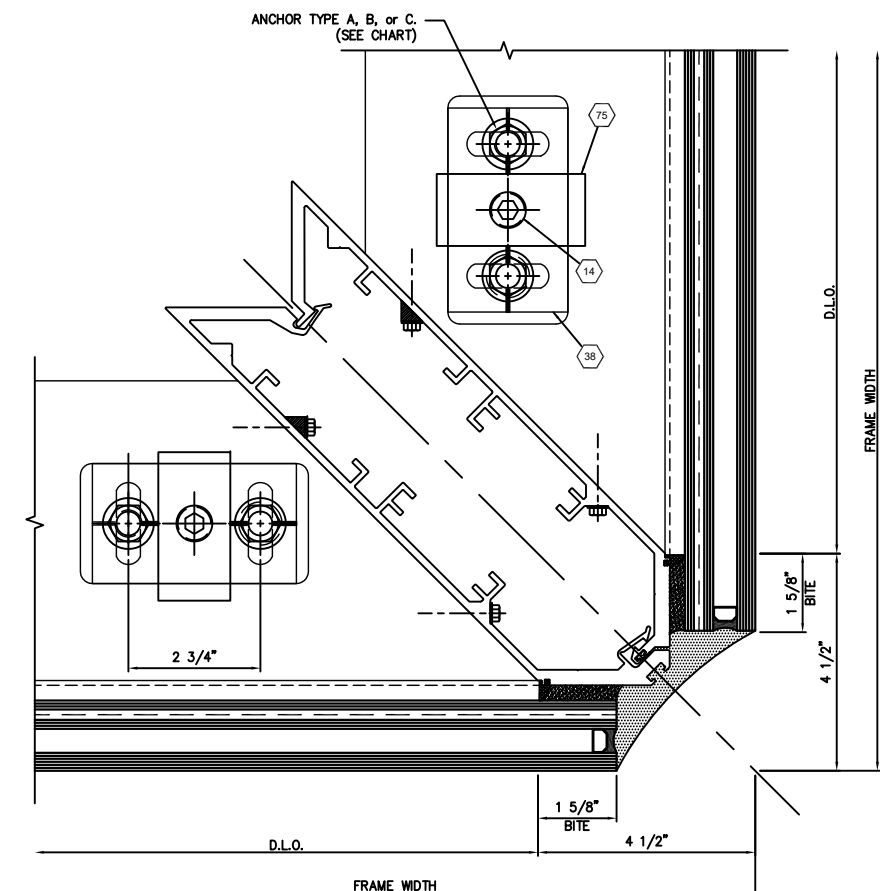
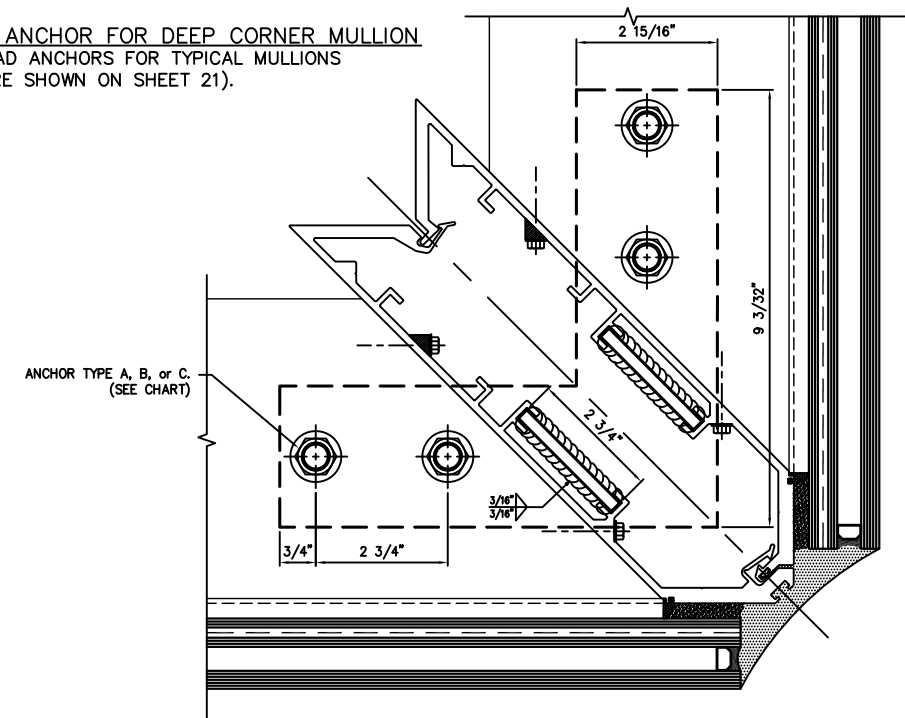
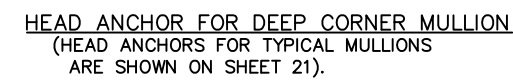
TITLE	SILL ANCHOR DETAILS	ISSUE	SUBMITTAL	DATE	SEPAR	REVISION	DESCRIPTION	DATE
PROJECT	RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18				
LOCATION	SOUTH FLORIDA	2	12" MULL REV	12-16-19				
ARCHITECT								
CONTRACTOR								
STOCK								

RT4 SINGLE SPAN DETAILS: ALTERNATE SILL ANCHORS WITH STARTER SILL TRACK

ANCHOR SCHEDULE - ALTERNATE SINGLE SPAN SILL ANCHORS					
TYPE	BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)	MAX END REACTION
(A)	STEEL (1/4" MIN. - A36)	1/2" DIA. ELCO TAP-FLEX (or) 1/2" DIA. HH BOLT (SAE Gr. 5 min)	FULL (SEE NOTE #8)	1 1/4"	7957 lb.
(B)	CONCRETE (3000 PSI MIN.)	1/2" DIA. DEWALT SCREWBOLT+	3"	5"	5686 lb.
(C)	CONCRETE (4000 PSI MIN.)	5/8" DIA. DEWALT SCREWBOLT+	4"	5"	7957 lb.



J7

 $\sqrt{A}$ 

C4

SCOTT WOLTERS
FL PE# 62354

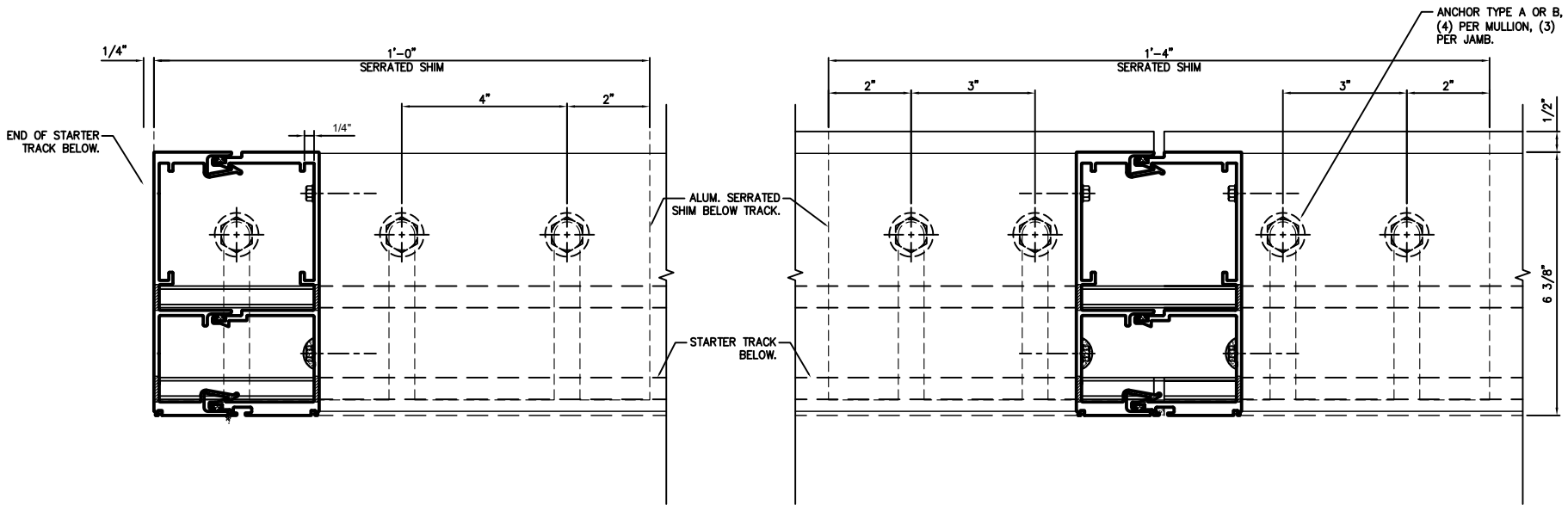
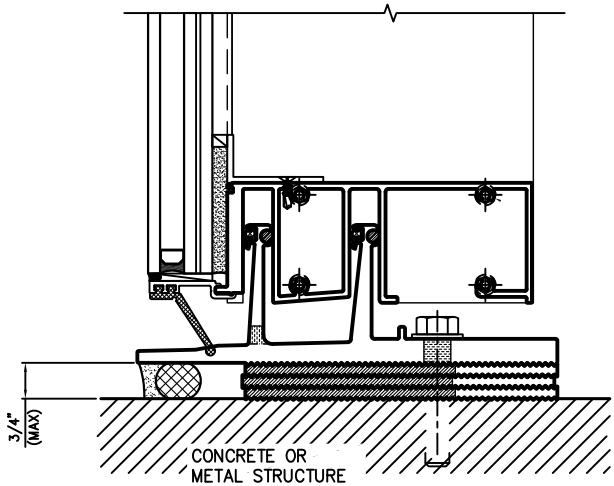
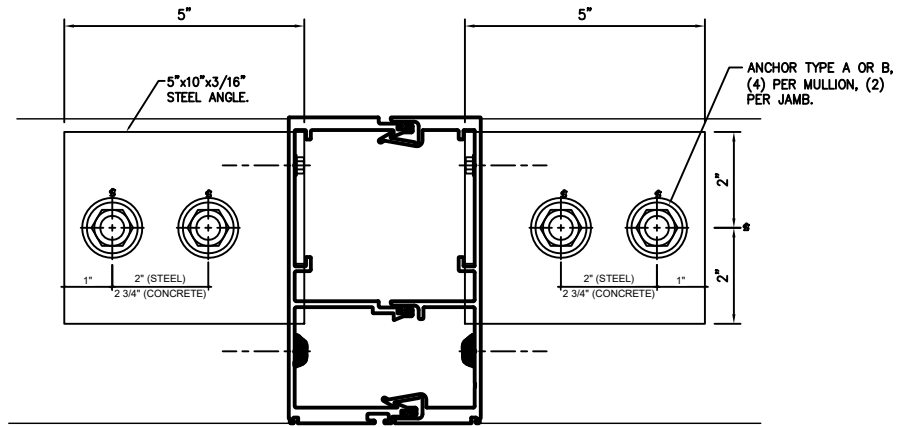
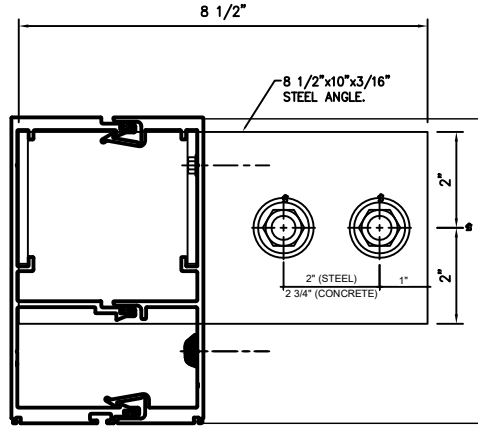
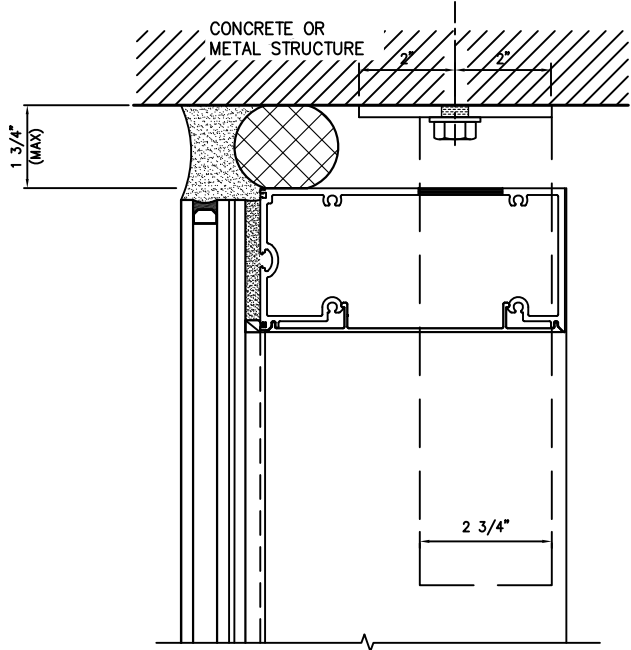
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



 PINNACLE SECURITY, LLC 400 BRYAN STREET BEESDALE, AL 36020 PHONE 205.635.4772 FAX 205.635.3657		ALL DIMENSIONS, QUANTITIES, NOTES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.	
DRAWN BY 15M		ISSUE	
DATE 150C2018		SHEET NUMBER 22	
JOB # RT4-NOA		22 OF 29	
TITLE PROJECT RT4 SYSTEM NOA	LOCATION SOUTH FLORIDA	ARCHITECT CONTRACTOR	STOCK
SUBMITTAL 1	DATE 10-13-18	SEPALS DATE	DESCRIPTION
ISSUE 2	SUBMITTAL 12" MULL REV	DATE 12-16-19	DESCRIPTION
This shop drawing represents our interpretation of the architects plans and specifications, and our contract requirements for this project. For fabrication, you will have written notification by the general contractor that no materials will be fabricated until we have received the APPROVED FOR FABRICATION stamp. Any material fabricated from these approved shop drawings that does not fit, job conditions will be remade and shipped to the job only at the contractor's expense and only after receipt of change order to cover the extra expense. We assume no responsibility for any errors or omissions on this drawing. We will not be responsible for any errors occurring through the use of this drawing by any other trades or supplier.			

RT4 CLERESTORY DETAILS: HEAD/SILL ANCHORS

ANCHOR SCHEDULE - SINGLE SPAN HEAD/SILL ANCHORS				
TYPE	BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
(A)	STEEL (1/4" MIN. - A36)	1/2" DIA. ELCO TAP-FLEX (or) 1/2" DIA. HH BOLT (SAE Gr. 5 min)	FULL (SEE NOTE #8)	1 1/4"
(B)	CONCRETE (3000 PSI MIN.)	1/2" DIA. DEWALT SCREWBOLT+	3"	5"

[illegible]

TITLE		PROJECT		ISSUE	NEW SHEET	SUBMITAL	DATE	SETPS	BASELINE	DESCRIPTION	DATE
CLERESTORY ANCHOR DETAILS		R14 SYSTEM WOA		9			6/26/26				
LOCATION		SOUTH FLORIDA									
ARCHITECT											
CONTRACTOR											
STOCK		FINISH									



PHYSICAL SECURITY, LLC
600 BELVIEW STREET
BESSEMER, AL 35020
PHONE 205.425.4072
FAX 205.426.3937

ALL DIMENSIONS, QUANTITIES,
SIZES AND MATERIALS MUST
BE CONFIRMED BY PROJECT
MANAGER PRIOR TO RELEASE
FOR FABRICATION.

DRAWN BY	TM	ISSUE
DATE	15OCT2018	
SHEET NUMBER		
23		
23	OF	29
JOB #	RT4-NOA	

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)

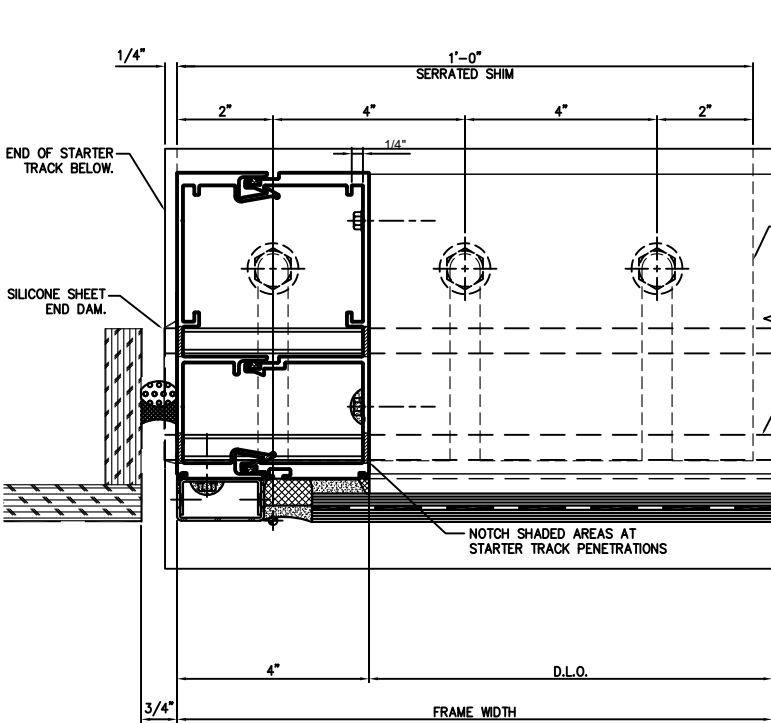
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

SE*

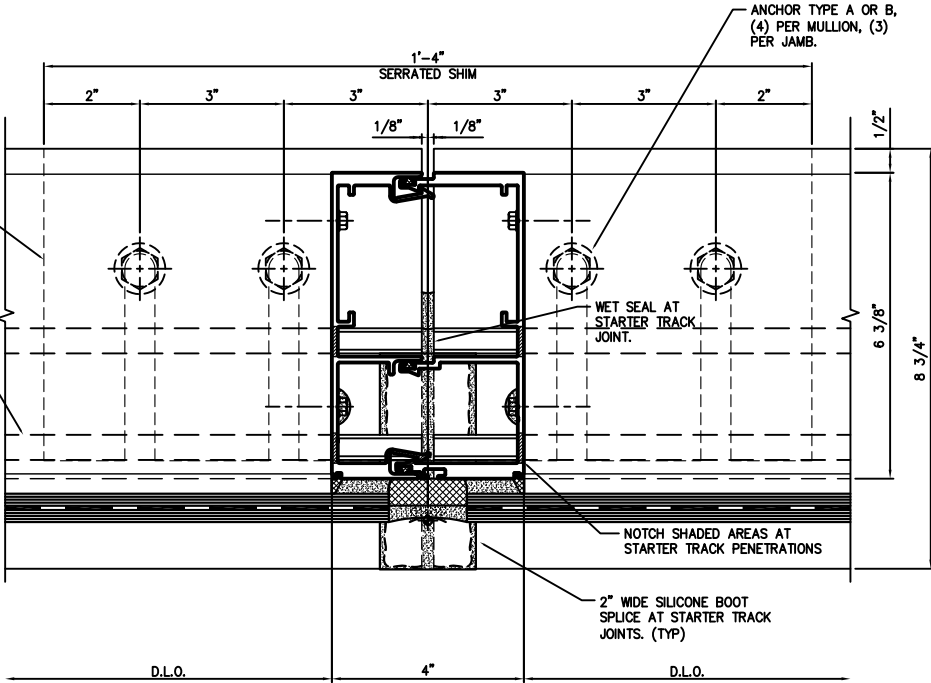
PROFESSIONAL ENGINEER
SCOTT WOLTERS
FLORIDA
No. 62354
JUN 28 2026
STATE OF FLORIDA

RT4 MULTI-SPAN DETAILS:
(SILL ANCHORS)

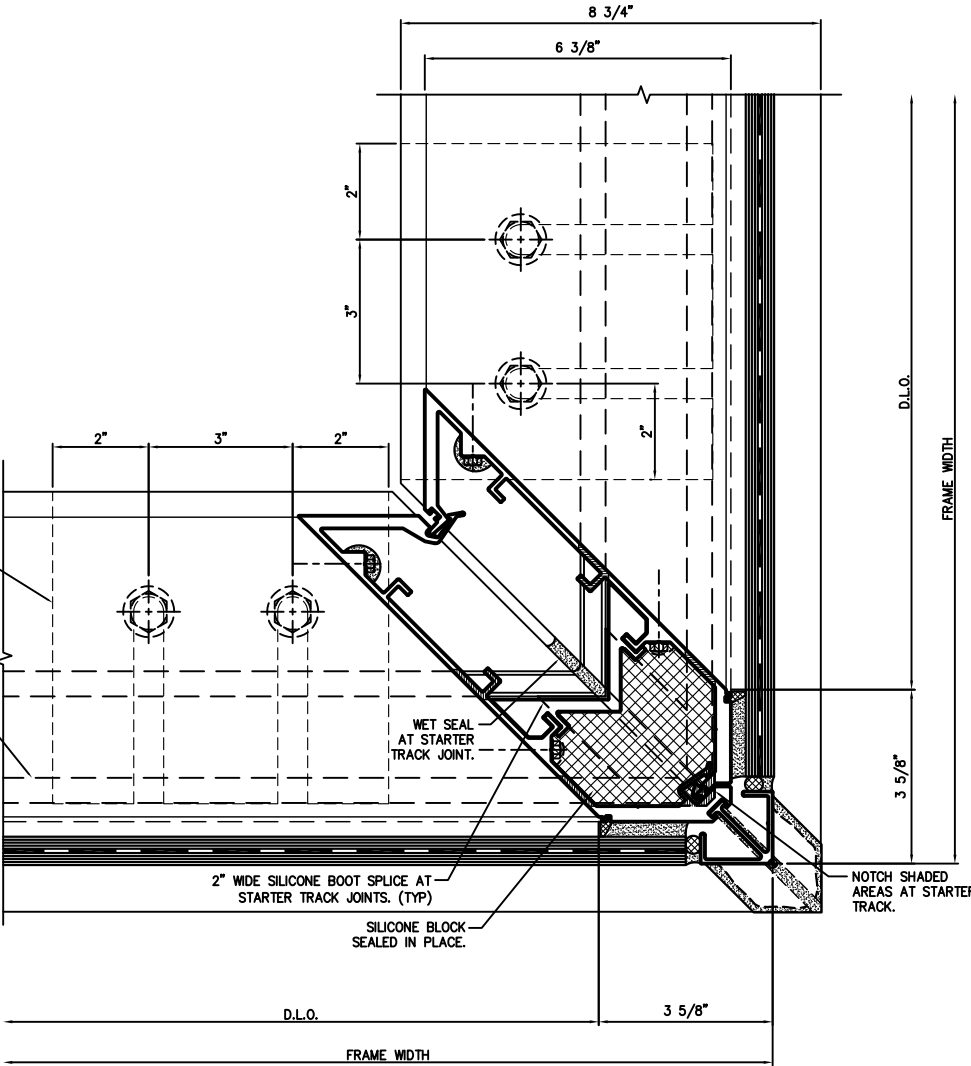
ANCHOR SCHEDULE - SINGLE SPAN HEAD/SILL ANCHORS				
TYPE	BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
(A)	STEEL (1/4" MIN. - A36)	1/2" DIA. ELCO TAP-FLEX (or) 1/2" DIA. HH BOLT (SAE Gr. 5 min)	FULL (SEE NOTE #8)	1 1/4"
(B)	CONCRETE (3000 PSI MIN.)	1/2" DIA. DEWALT SCREWBOLT+	3"	5"



J8



V8



C5

SSG MULLIONS ARE SHOWN.
CAPTURED MULLIONS ARE SIMILAR

This shop drawing represents our interpretation of the architect's plans and specifications, and our contract requirements for this project. It is not to be used for construction without the approval of the architect. Any material fabricated from these approved shop drawings that does not fit job conditions will be removed and replaced at the contractor's expense. We are not responsible for any errors or omissions in this drawing or for any other trade or supplier.

DATE	DESCRIPTION	ISSUE	DATE	DESCRIPTION	ISSUE
10-15-18	10-15-18	10-15-18	10-15-18	10-15-18	10-15-18
12-16-19	12-16-19	12-16-19	12-16-19	12-16-19	12-16-19

PROJECT RT4 SYSTEM NOA
LOCATION SOUTH FLORIDA
ARCHITECT
CONTRACTOR
STOCK

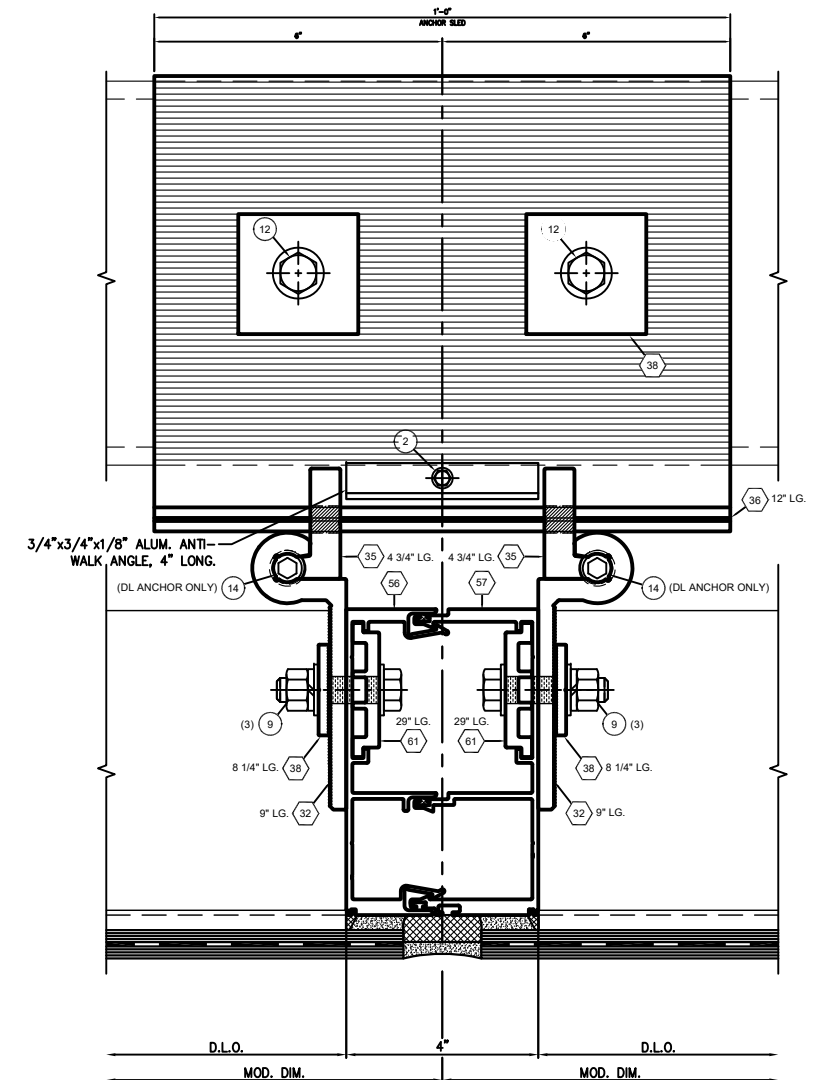
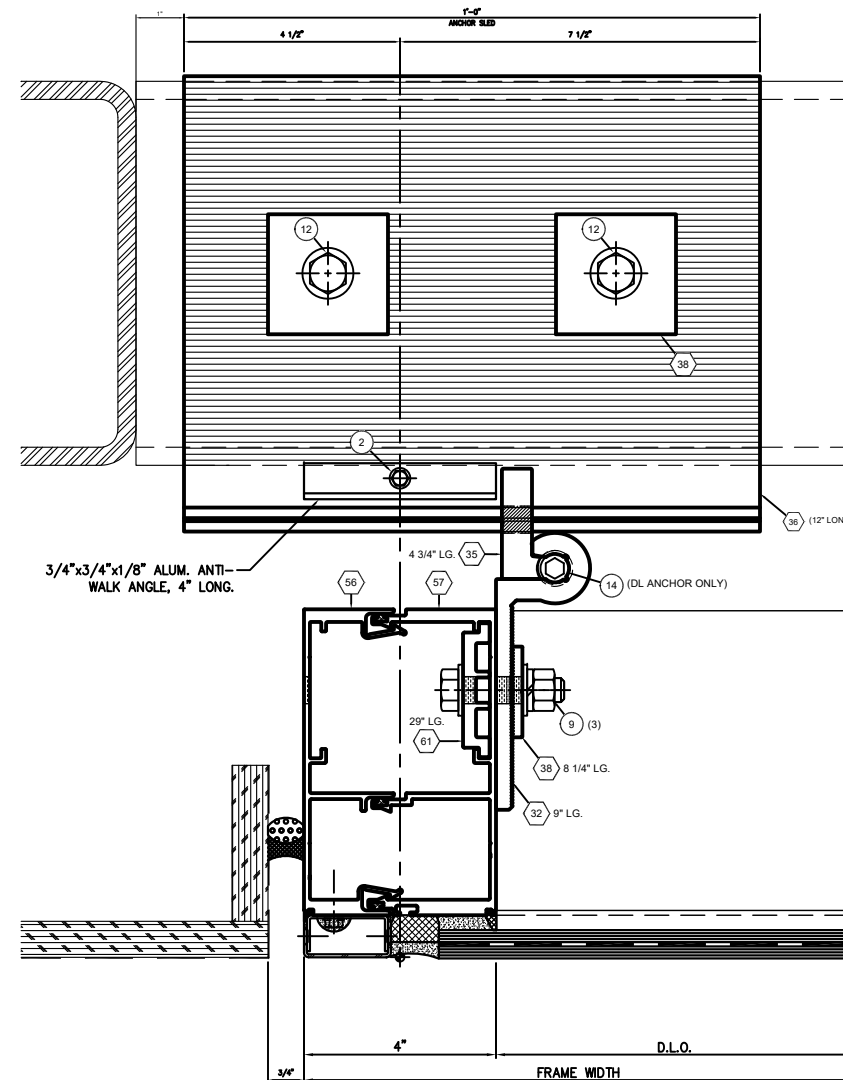
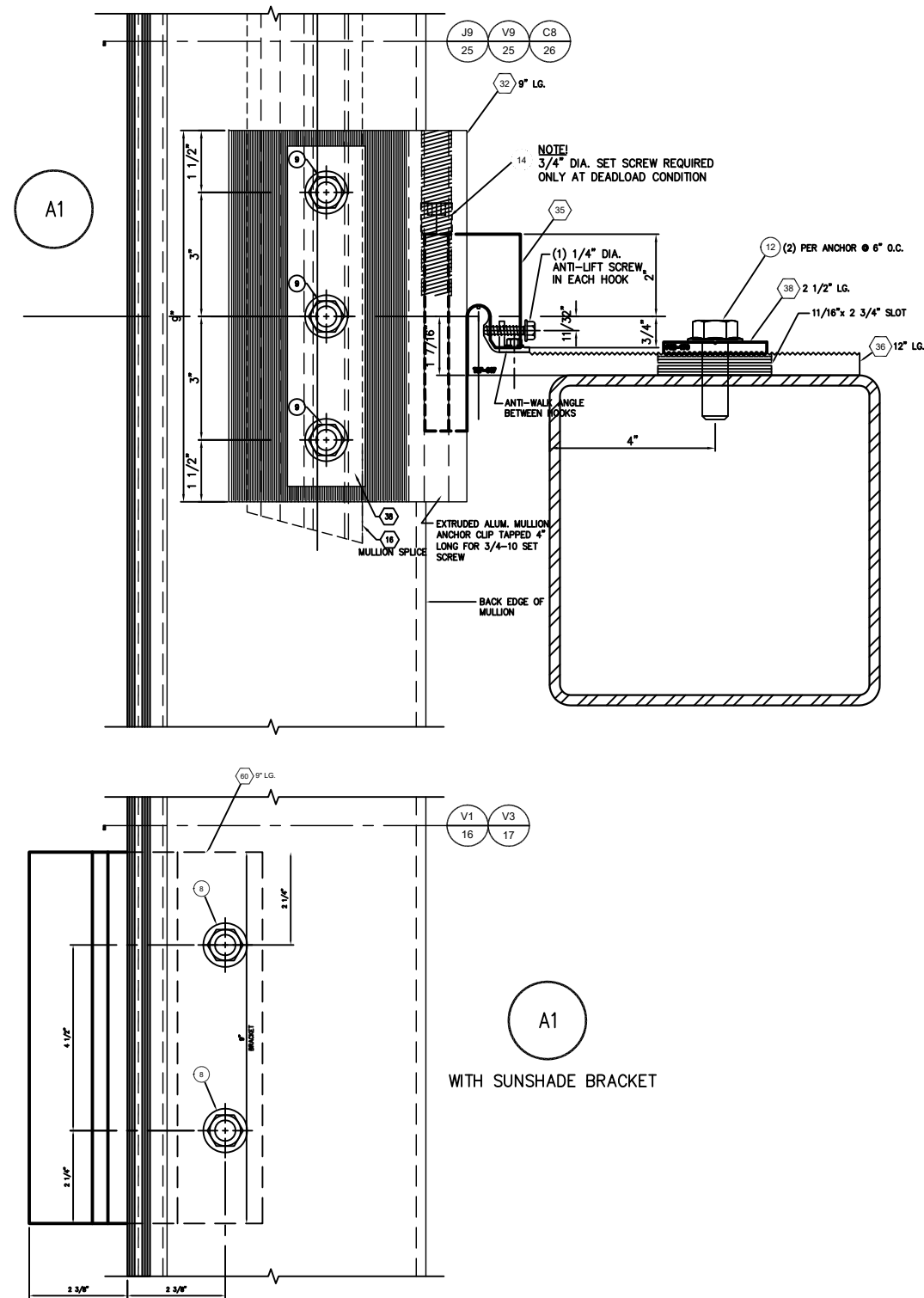
ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.

DRAWN BY TM
DATE 15OCT2018
SHEET NUMBER
24
24 OF 29
JOB # RT4-NOA

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(CO# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



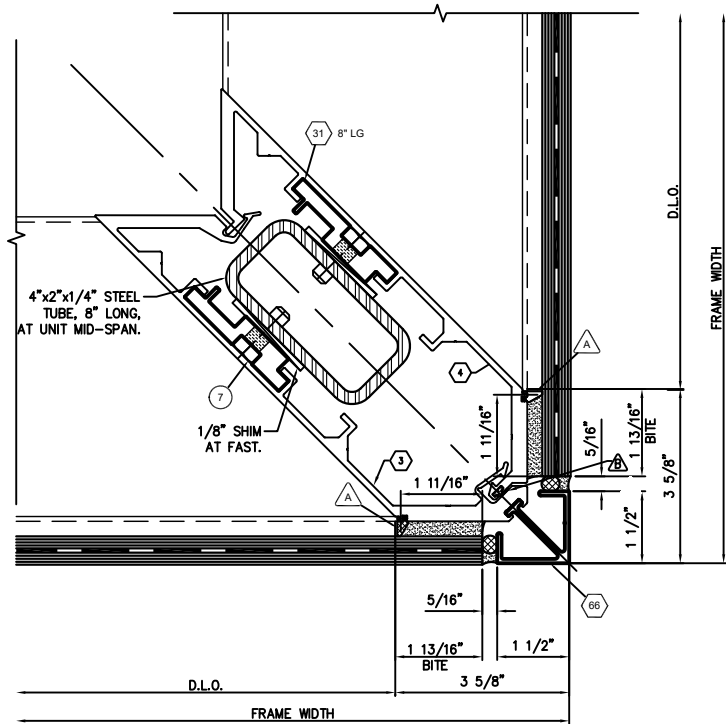
RT4 MULTI-SPAN DETAILS: (MID-SPAN ANCHORS)



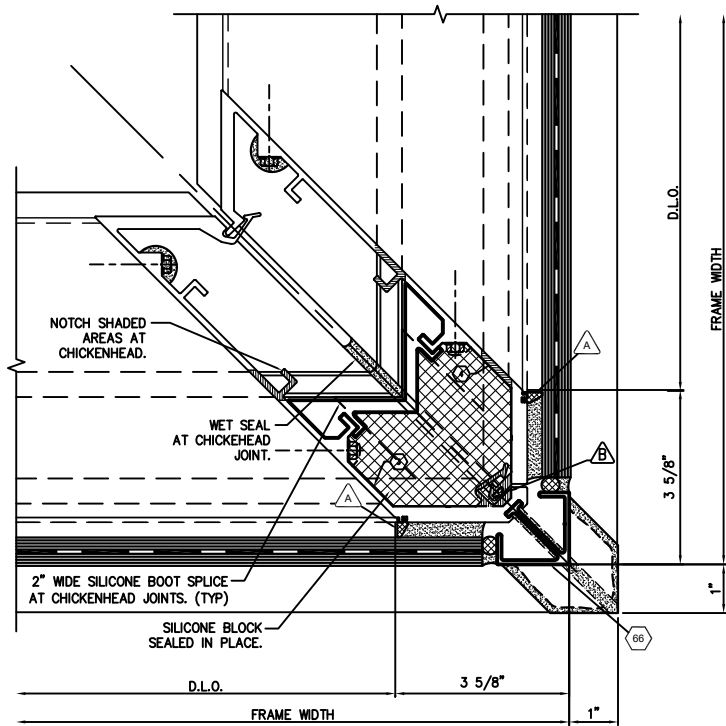
SSG MULLIONS ARE SHOWN.
CAPTURED MULLIONS ARE SIMILAR

 PINNACLE SECURITY, LLC 400 BOWEN STREET BIRMINGHAM, AL 35209 PHONE 205.433.4772 FAX 205.438.3657		ALL DIMENSIONS, QUANTITIES, NOTES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION. DRAWN BY 15M ISSUE	
DATE		200812018	
SHEET NUMBER		25	
JOB #		RT4-NOA	
TITLE		PROJECT RT4-SYSTEM NOA	
LOCATION		SOUTH FLORIDA	
ARCHITECT		CONTRACTOR	
STOCK		FINISH	
ISSUE	DATE	DESCRIPTION	DATE
1	10-13-18	12-16-19	12-16-19
2	12-16-19	12-16-19	12-16-19

RT4 MULTI-SPAN DETAILS:
(CORNER MULLION)



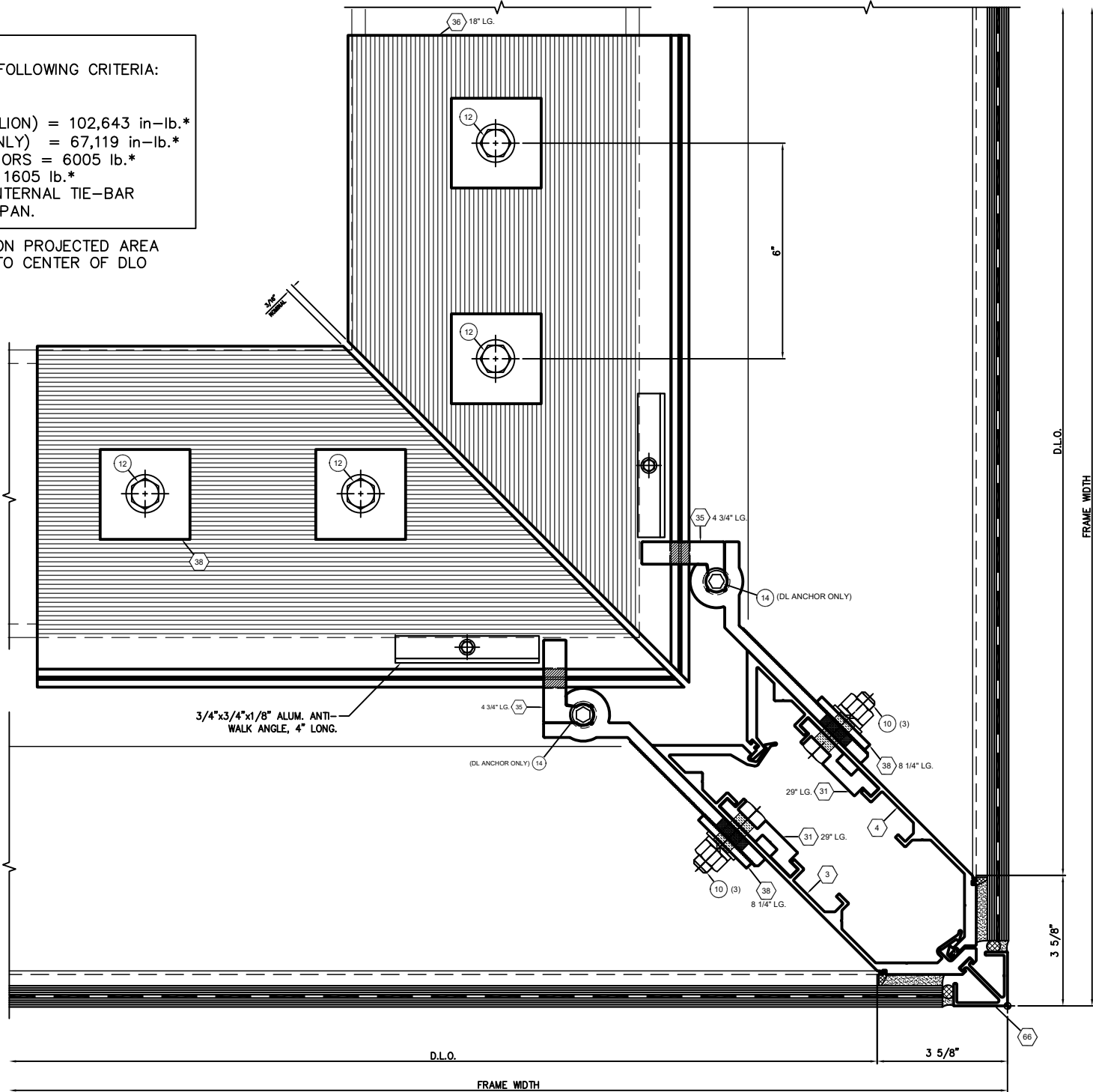
C6



C7

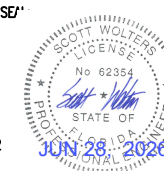
- MULTI-SPAN CORNER MULLION LIMITATIONS:**
CORNER MULLIONS MUST MEET ALL OF THE FOLLOWING CRITERIA:
1. MAX SPAN LENGTH = 166 in.
 2. MAX PRESSURE = 130 psf.
 3. MAX BENDING MOMENT (REINF. MULLION) = 102,643 in-lb.*
 4. MAX BENDING MOMENT (MULLION ONLY) = 67,119 in-lb.*
 5. MAX REACTION AT MID-SPAN ANCHORS = 6005 lb.*
 6. MAX REACTION AT SILL ANCHOR = 1605 lb.*
 7. C1 MULLION SPANS REQUIRE THE INTERNAL TIE-BAR SHOWN IN DETAIL C4/22 AT MID-SPAN.

* VALUES LISTED BASED ON PROJECTED AREA FROM CENTER OF DLO TO CENTER OF DLO



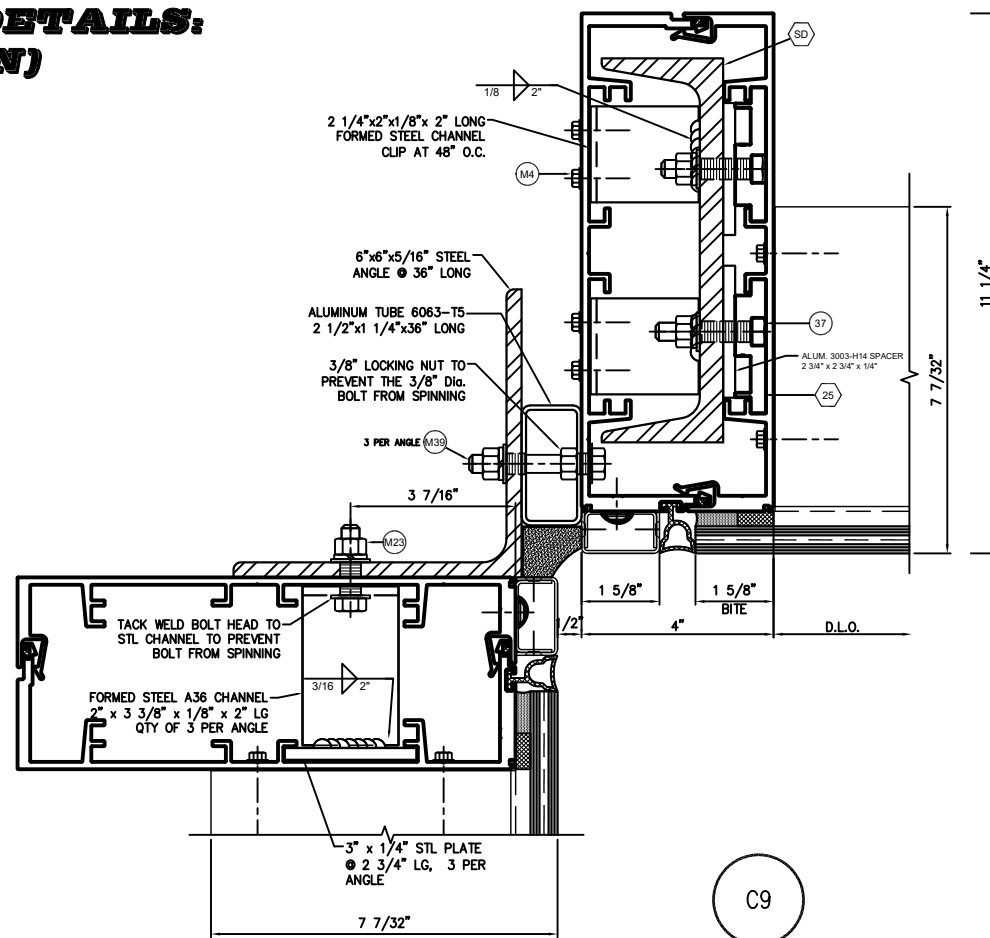
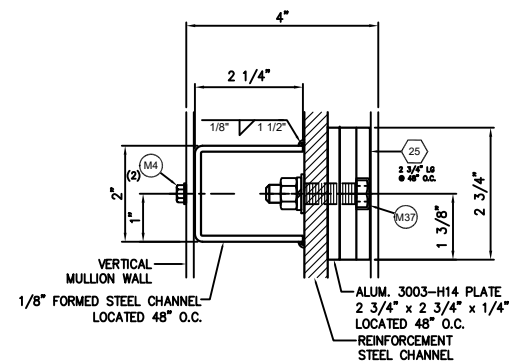
C8

SCOTT WOLTERS
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PS PHYSICAL SECURITY, LLC 600 BELLEVUE STREET BIRMINGHAM, AL 35202 PHONE 205-433-4072 FAX 205-433-3337		TITLE CORNER MULLION DETAILS		ISSUE	SUBMITTAL	DATE	SEPM	DESCRIPTION	DATE	This shop drawing represents our interpretation of the architect's plans and specifications, and our contract requirements for this project. No material will be scheduled for fabrication until we have written notification by the general contractor that our drawings have been APPROVED FOR FABRICATION. Approval delay will also result in a fabrication delay. The contractor shall be responsible for the cost of any change orders and shipping to the job only after receipt of change order to cover the extra expenses. We assume no responsibility as to measurements or details affecting any work but our own, and will not be responsible for any errors occurring through the use of this drawing by any other trade or supplier.
PS PHYSICAL SECURITY, LLC 600 BELLEVUE STREET BIRMINGHAM, AL 35202 PHONE 205-433-4072 FAX 205-433-3337		PROJECT RT4 SYSTEM NOA	1 FIRST SUBMITTAL	10-15-18						
		LOCATION SOUTH FLORIDA	2 12" MULL REV	12-16-19						
		ARCHITECT	CONTRACTOR							
				FINISH						
ALL DIMENSIONS, QUANTITIES, SIZES AND MATERIALS MUST BE CONFIRMED BY PROJECT MANAGER PRIOR TO RELEASE FOR FABRICATION.										
DRAWN BY		TM		ISSUE						
DATE		15OCT2018								
SHEET NUMBER										
26										
26		OF		29						
JOB #		RT4-NOA								

RT4 SINGLE SPAN DETAILS: (CORNER MULLION)

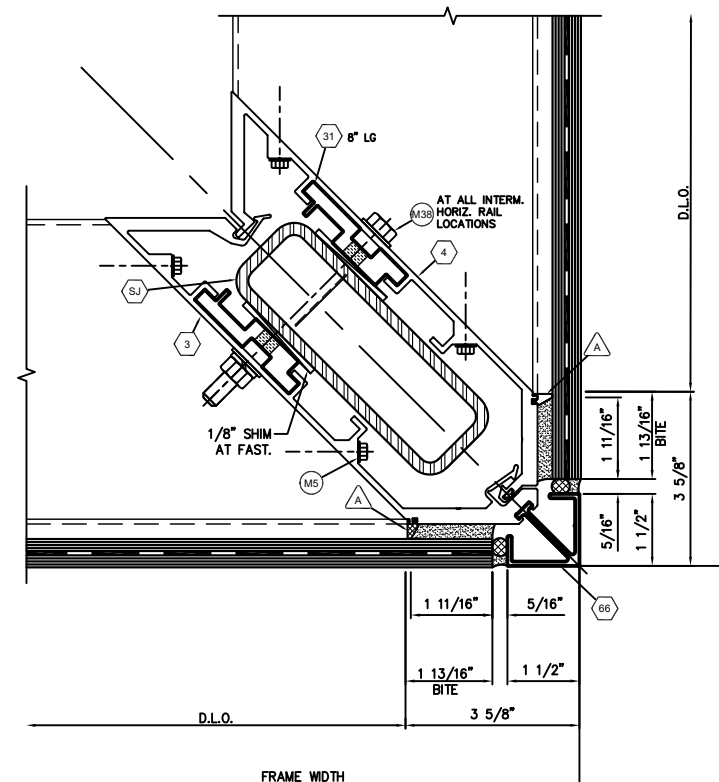
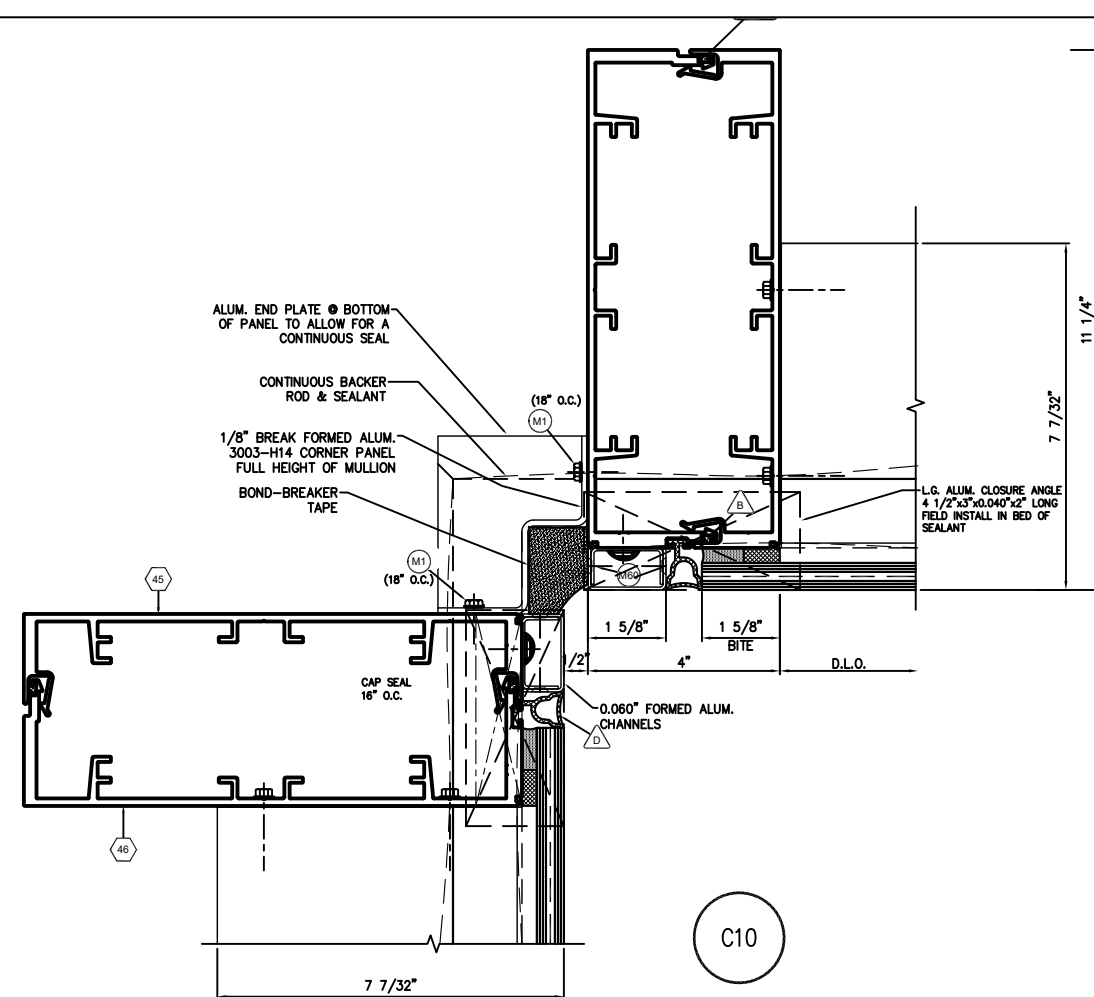


AT MID-SPAN CORNER STRAP
ANCHOR, (3) PER CORNER MULLION

- C3 CORNER MULLION NOTES:

1. FRAME WIDTHS MEASURED FROM INSIDE OR OUTSIDE CORNERS ARE UNLIMITED PROVIDED THERE ARE THREE OR MORE BAYS ON EITHER SIDE OF THE CORNER, AND THE MULLION SPACINGS MEET THE REQUIREMENTS OF THE MULLION CHART ON SHEET 10.
2. IF THERE ARE LESS THAN 3 BAYS, THEN THE JAMB MULLION MUST BE ANCHORED TO AN INSIDE CORNER MULLION OR TO THE STRUCTURE WITH THE ANCHORS SHOWN IN DETAIL C6/26, (3) PER MULLION.
3. THE C3 SINGLE SPAN CORNER MULLION IS PARTIALLY SUPPORTED BY THE HORIZONTAL MULLIONS. THE MAX. AXIAL (TENSION) LOAD ALLOWED IS 1614 lb PER HORIZONTAL.
4. MAX WL REACTION AT HEAD/SILL ANCHOR = 3163 lb.*

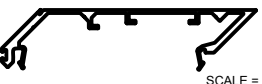
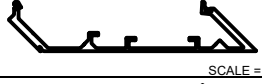
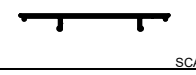
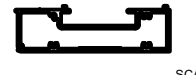
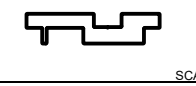
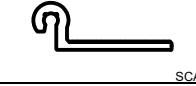
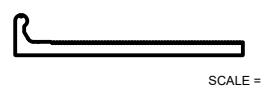
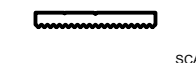
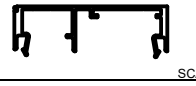
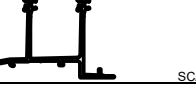
* VALUES LISTED BASED ON PROJECTED AREA
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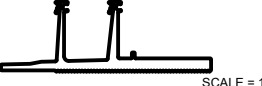
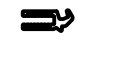
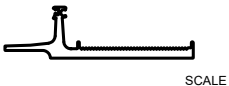
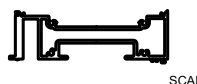
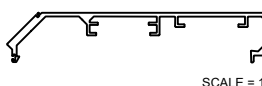
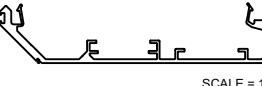
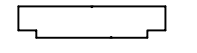
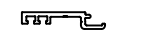


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[illegible]

EXTRUSION INDEX					
TAG	EXTR. #	PROFILE	DESCRIPTION	ALLOY	TYPICAL THICKNESS
3	FS-09760	 SCALE = 1:4	FEMALE CORNER MULLION	ALLOY	.125"
4	FS-09761	 SCALE = 1:4	MALE CORNER MULLION	ALLOY	.125"
7	FS-09756	 SCALE = 1:4	INTERMEDIATE HORIZONTAL	ALLOY	.140"
8	FS-09771	 SCALE = 1:4	HORIZONTAL SNAP COVER	ALLOY	.080"
10	FH-09758	 SCALE = 1:4	STACK HEAD RAIL	ALLOY	.125"
31	FS-09769	 SCALE = 1:2	TRANSFER SPLICE/BACKER BAR	ALLOY	.295"
32	FS-09786	 SCALE = 1:4	MULLION ANCHOR FIST	ALLOY	.324"
33	FS-09785	 SCALE = 1:4	CORNER MULLION ANCHOR FIST	ALLOY	.324"
34	FS-09555	 SCALE = 1:1	INTERMEDIATE SETTING CHAIR	ALLOY	.324"
35	FS-09774	 SCALE = 1:2	ANCHOR HOOK	ALLOY	.625"
36	FS-09787	 SCALE = 1:4	ANCHOR SLED	ALLOY	.500"
38	FS-09770	 SCALE = 1:2	SERRATED WASHER (ANCHOR SLED/STARTER ANCHOR)	ALLOY	.250"
45	FS-10800	 SCALE = 1:4	FEMALE 12" SPLIT MULLION	6005-T5	0.156"
46	FS-10801	 SCALE = 1:4	MALE 12" SPLIT MULLION	6005-T5	0.156"
56	FS-10237	 SCALE = 1:4	FEMALE MULLION	6063-T6	.125"
57	FS-10233	 SCALE = 1:4	MALE MULLION	6063-T6	.125"
58	FH-10240	 SCALE = 1:4	SILL RAIL	6063-T6	.156"
59	FS-10232	 SCALE = 1:4	CHICKENHEAD	6063-T6	.125"
60	FS-10236	 SCALE = 1:4	OUTRIGGER BRACKET	6005-T5	.375"

EXTRUSION INDEX					
TAG	EXTR. #	PROFILE	DESCRIPTION	ALLOY	TYPICAL THICKNESS
61	FS-10234	 SCALE = 1:2	TRANSFER SPLICE/BACKER BAR	6005-T5	.272"
62	FS-10448	 SCALE = 1:4	STARTER TRACK	6005-T5	.558"
63	FS-10449	 SCALE = 1:4	SERRATED SHIM (STARTER TRACK)	6005-T5	.293"
64	FS-10447	 SCALE = 1:2	SILL RAIL PRESSURE PLATE ADAPTER	6063-T6	.133"
65	FS-10445	 SCALE = 1:2	IN. RAIL PRESSURE PLATE ADAPTER	6063-T6	.102"
66	FS-10238	 SCALE = 1:2	90° CORNER COVER	6063-T5	.090"
67	FS-09783	 SCALE = 1:2	3" COVER	6063-T5	
68	FS-09780	 SCALE = 1:2	3" PRESSURE PLATE	6063-T5	
69	FS-10439	 SCALE = 1:2	5 1/2" COVER	6063-T5	
70	FS-10438	 SCALE = 1:2	5 1/2" PRESSURE PLATE	6063-T5	
71		 SCALE = 1:4	STARTER TRACK	6005-T5	.558"
72		 SCALE = 1:4	STARTER SILL	6005-T5	.125"
73		 SCALE = 1:4	MALE CORNER MULLION	6005-T5	.156"
74		 SCALE = 1:4	FEMALE CORNER MULLION	6005-T5	.156"
75		 SCALE = 1:2	JACK PLATE	6063-T5	.625"
78	FS-09766	 SCALE = 1:2	STACK HORIZONTAL ADAPTOR	6063-T5	.100"
79		 SCALE = 1:4	1 7/8"x1 5/16"x1/8" ALUM TUBE	6063-T5	
80		 SCALE = 1:4	1 1/2"x1 1/2"x1/8" ALUM TUBE	6063-T5	

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SE/



JUN 28 2026

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DRAWN BY

DATE

ISSUE

SHEET NUMBER

28

of 29

JOB #

RT4-NOA

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TITLE	BILL OF MATERIALS	ISSUE	SUBMITTAL	DATE	SEALS	DESCRIPTION	DATE
PROJECT	RT4 SYSTEM NOA	1	FIRST SUBMITTAL	10-15-18			
LOCATION	SOUTH FLORIDA	2	12" MULL REV	12-16-19			
ARCHITECT		9	REVISION	6/26/26			
CONTRACTOR							
STOCK							

