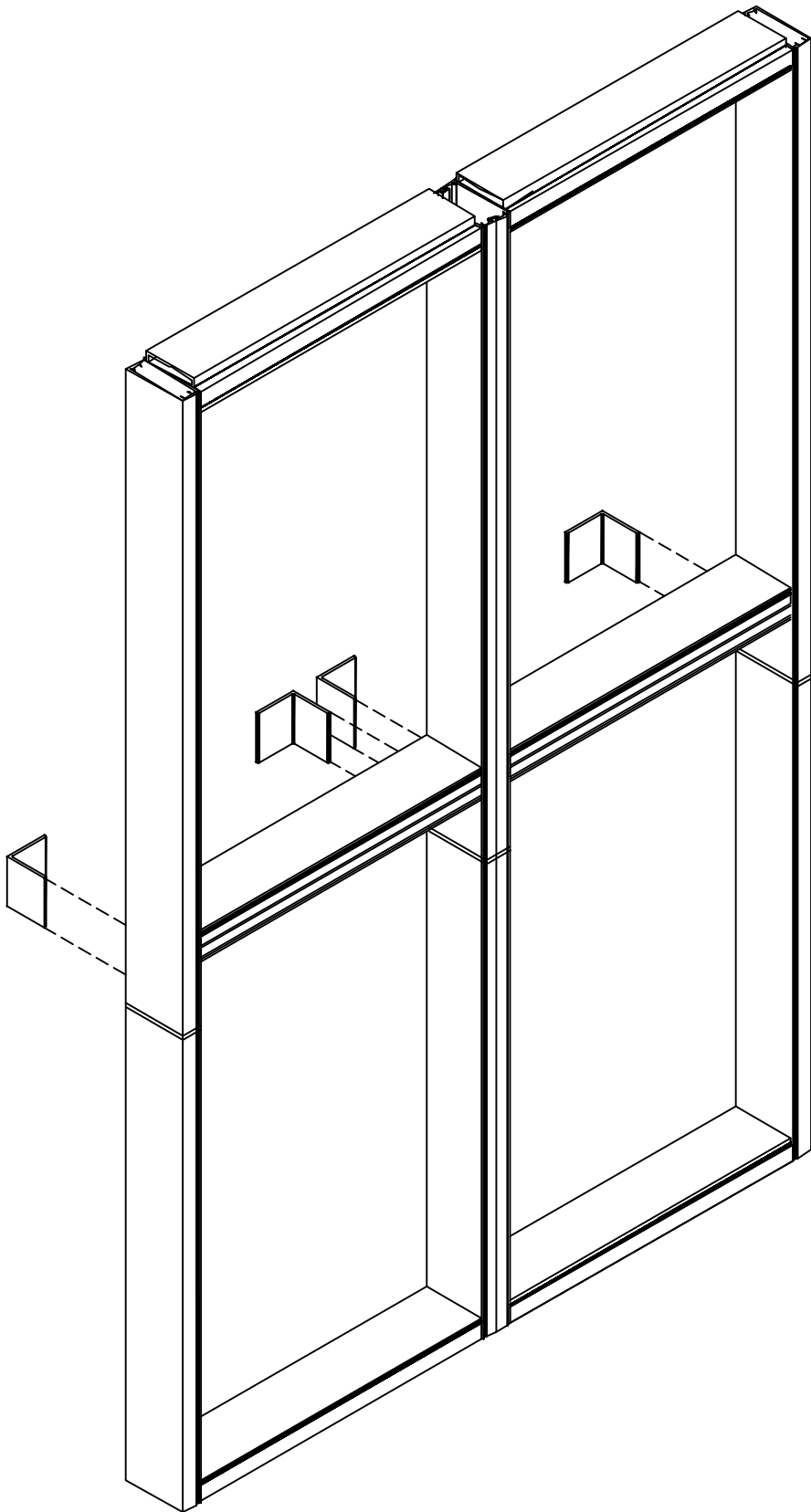


GLOBAL IMPACT PRODUCTS, LLC
8000 SERIES ALUMINUM CURTAIN WALL
(LMI-MISSILE LEVEL D / SMI)



SHEET INDEX	
# SHEET	DESCRIPTION
1	COVER SHEET
2-4	ELEVATIONS
5-28	DETAILS
29-30	GLASS TYPES & LOADING TABLES
31-54	MULLION LOADING TABLES
55-58	ANCHOR LOADING TABLES
59-63	EXTRUSIONS / PART LIST
64	ASSEMBLY DIAGRAM
64	TOTAL

FRANK BENNARDO P.E.
0046549 CA# 9885

JUNE 15, 2022

FL#41589.5

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GENERAL NOTES:

1. THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) PER
A. TAS 201 / 202 / 203
B. AAMA 501-15
2. FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
4. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
5. 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.
6. 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.
7. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
8. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES (UNO).
9. 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 & APPELATE 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.
10. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
11. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
12. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
13. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:
GLOBAL IMPACT PRODUCTS LLC
1963 W McNAB RD
POMPAÑO BEACH, FLORIDA 33069
APPROVED BY FLORIDA BUILDING COMMISSION
FLORIDA PRODUCT APPROVAL NUMBER FL# 41589.5

VISIT [ECALC.IO/29341](https://ecalculator.com/29341)

FOR SITE SPECIFIC DEVIATIONS
& MORE INFORMATION ABOUT THIS DOCUMENT
OR SCAN THIS QR CODE

VISIT [ENGINEERINGEXPRESS.COM/STORE](https://engineeringexpress.com/store)
FOR ADDITIONAL PLANS, REPORTS & RESOURCES



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WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS

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SCALE: NTS UNLESS NOTED

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64

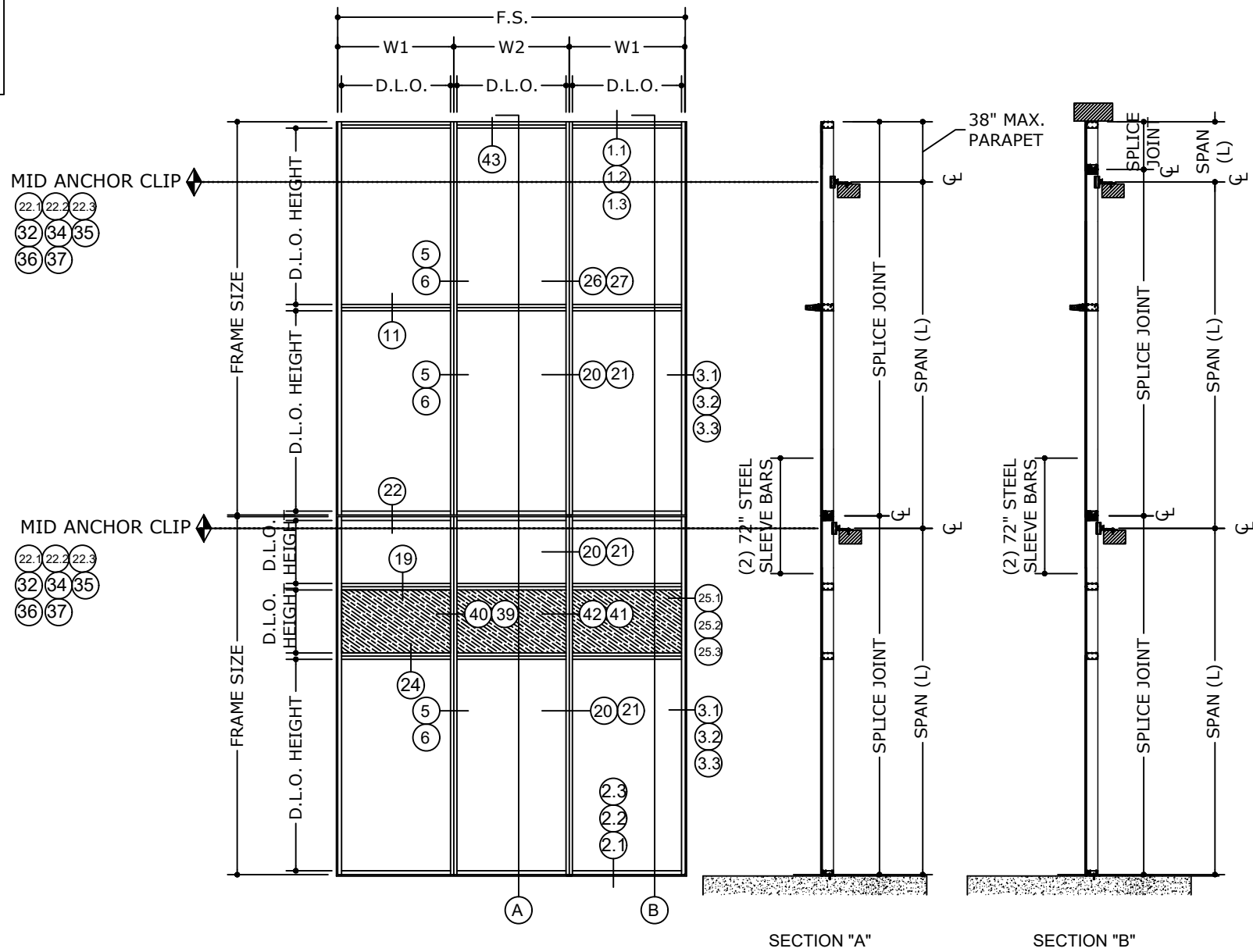
FL #41589.5

INSTRUCTIONS TO DETERMINE
DESIGN PRESSURE RATING

STEP 1: USE THE GLASS LOADING TABLES
TO DETERMINE THE ALLOWABLE
PRESSURE OF THE GLASS.

STEP 2: USE THE MULLION LOADING TABLE
TO DETERMINE THE ALLOWABLE
PRESSURES FOR THE MULLIONS.

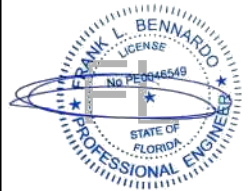
STEP 3: THE MINIMUM VALUE BETWEEN
STEP 1 AND STEP 2 WILL DETERMINE THE
DESIGN LOAD PRESSURE FOR THIS
SYSTEM.



TYPICAL MULTI-SPAN ELEVATIONS
WITH OR WITHOUT HORIZONTAL MULLIONS

MULLION TRIBUTARY WIDTH
$$W = \frac{W1}{2} + \frac{W2}{2}$$

NOTE:
ALTERNATIVE MID ANCHOR SLEEVE CAN BE
DESIGN UNDER SITE SPECIFIC ENGINEERING
SUPPORTED BY PRODUCT TEST DATA.



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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

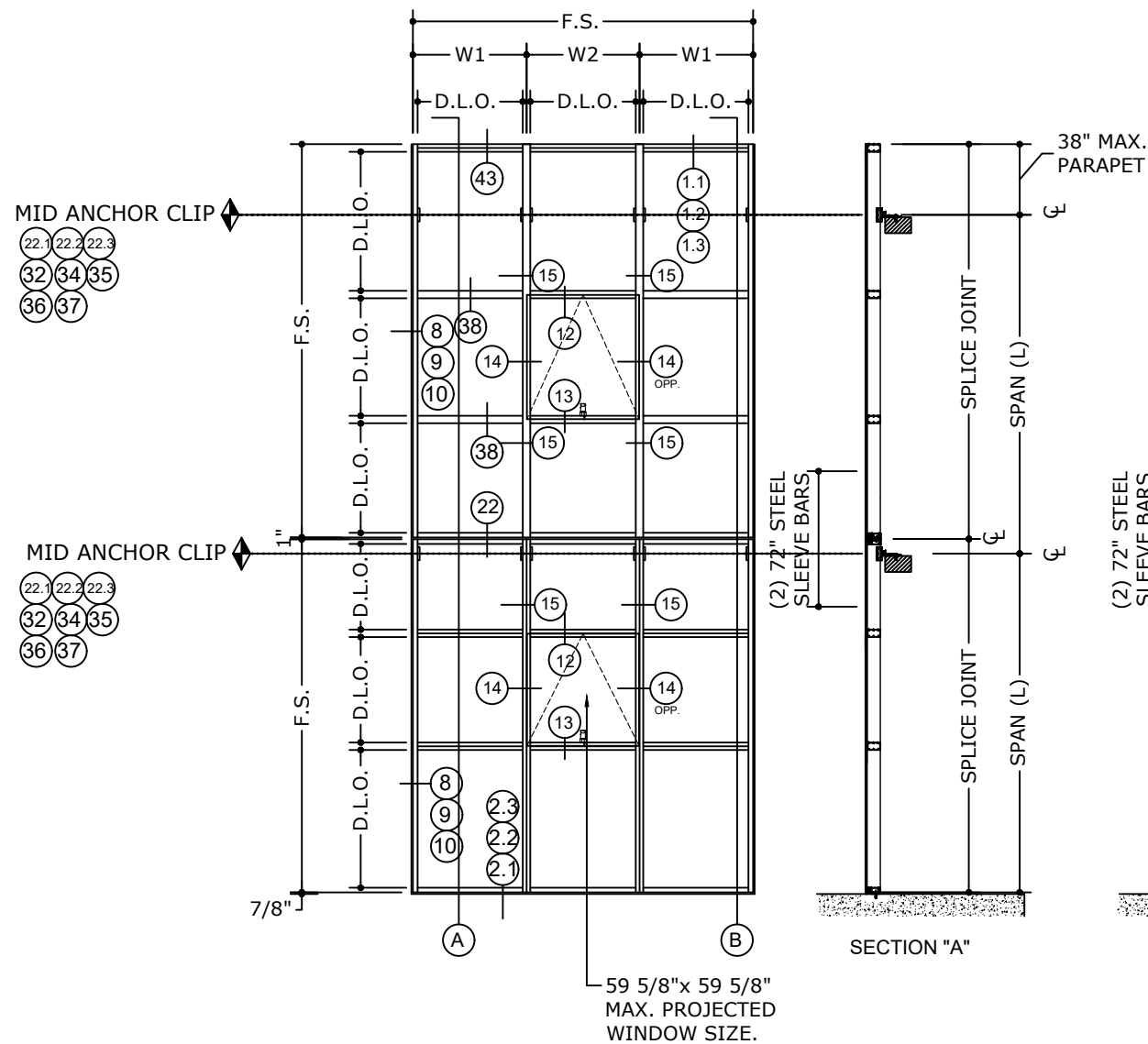
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2

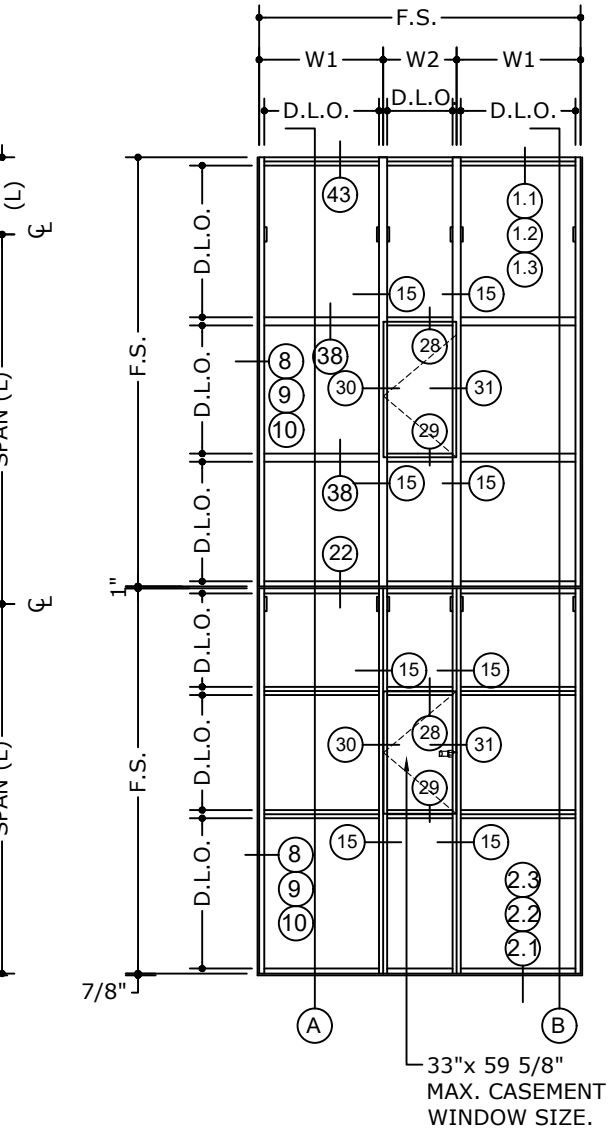
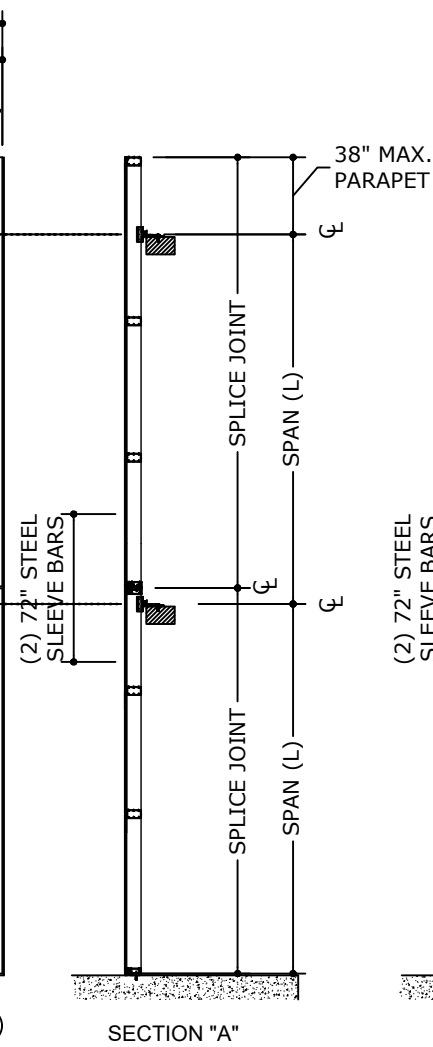


TYPICAL MULTI-SPAN ELEVATIONS

WITH PROJECTED WINDOW

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

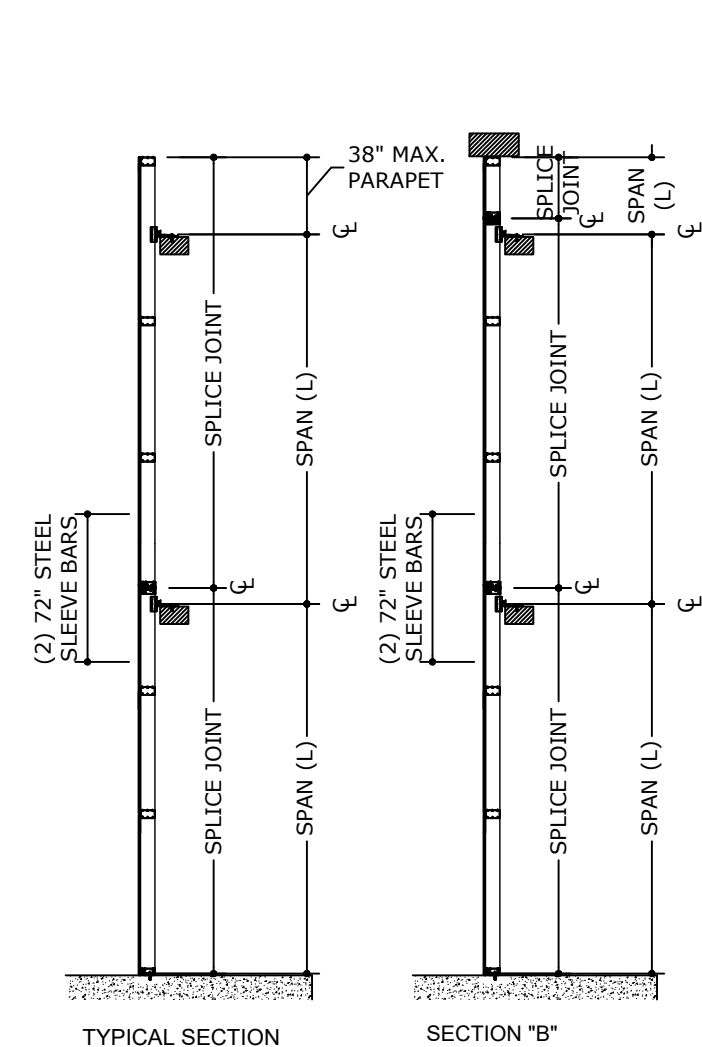


TYPICAL MULTI-SPAN ELEVATIONS

WITH CASEMENT WINDOW

MULLION TRIBUTARY WIDTH

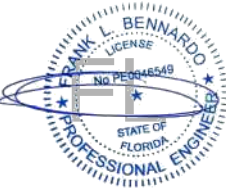
$$W = \frac{W1}{2} + \frac{W2}{2}$$



NOTE:
ALTERNATIVE MID ANCHOR SLEEVE CAN BE
DESIGN UNDER SITE SPECIFIC ENGINEERING
SUPPORTED BY PRODUCT TEST DATA.

NOTE:
OPERABLE WINDOWS MAY BE USED ON SINGLE SPAN AND
MULTI-SPAN APPLICATIONS.

CASEMENT AND PROJECTED WINDOW SIZES OTHER THAN THE
ONES SHOWN CAN BE DESIGNED UNDER SITE SPECIFIC
ENGINEERING.



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LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

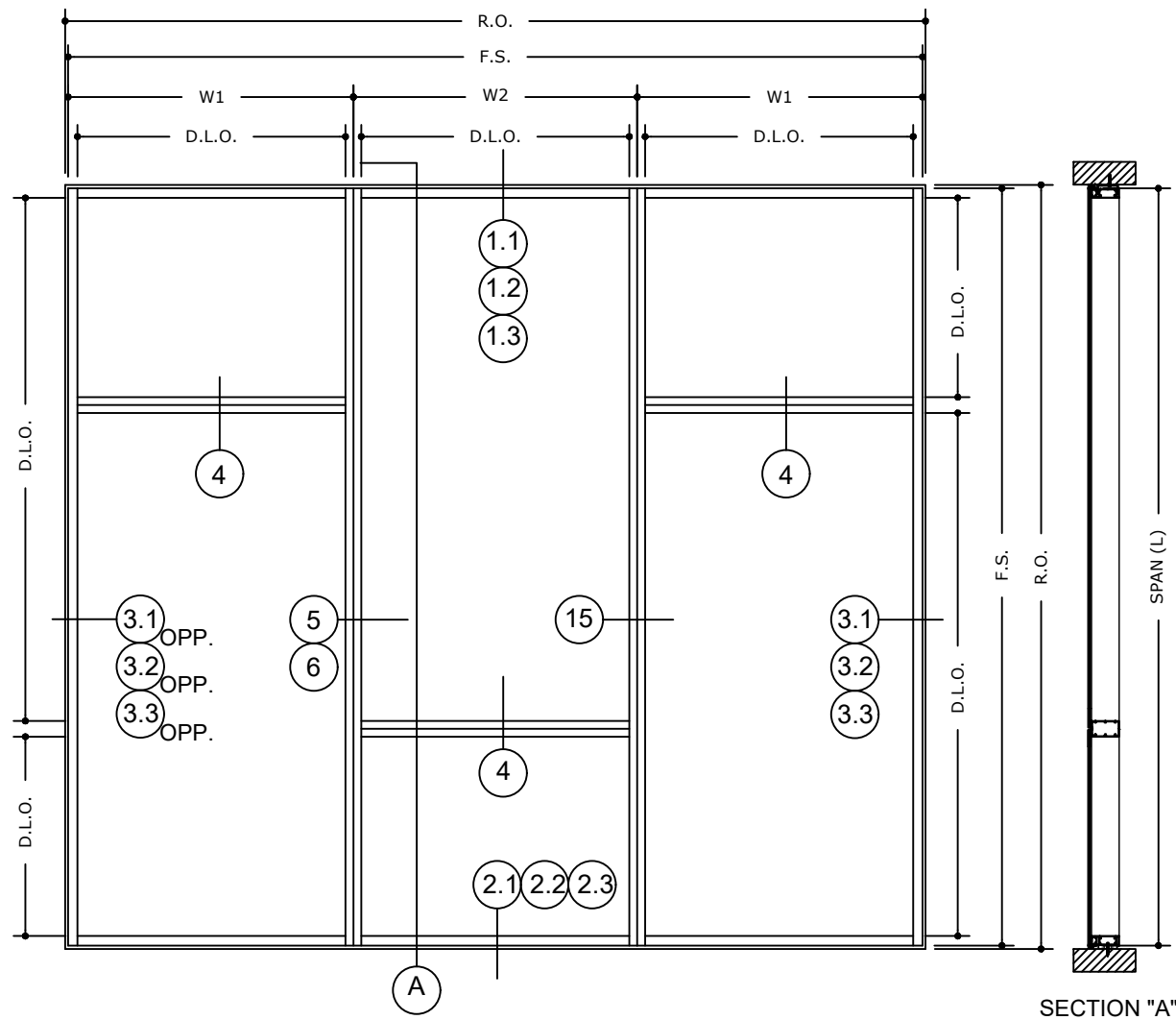
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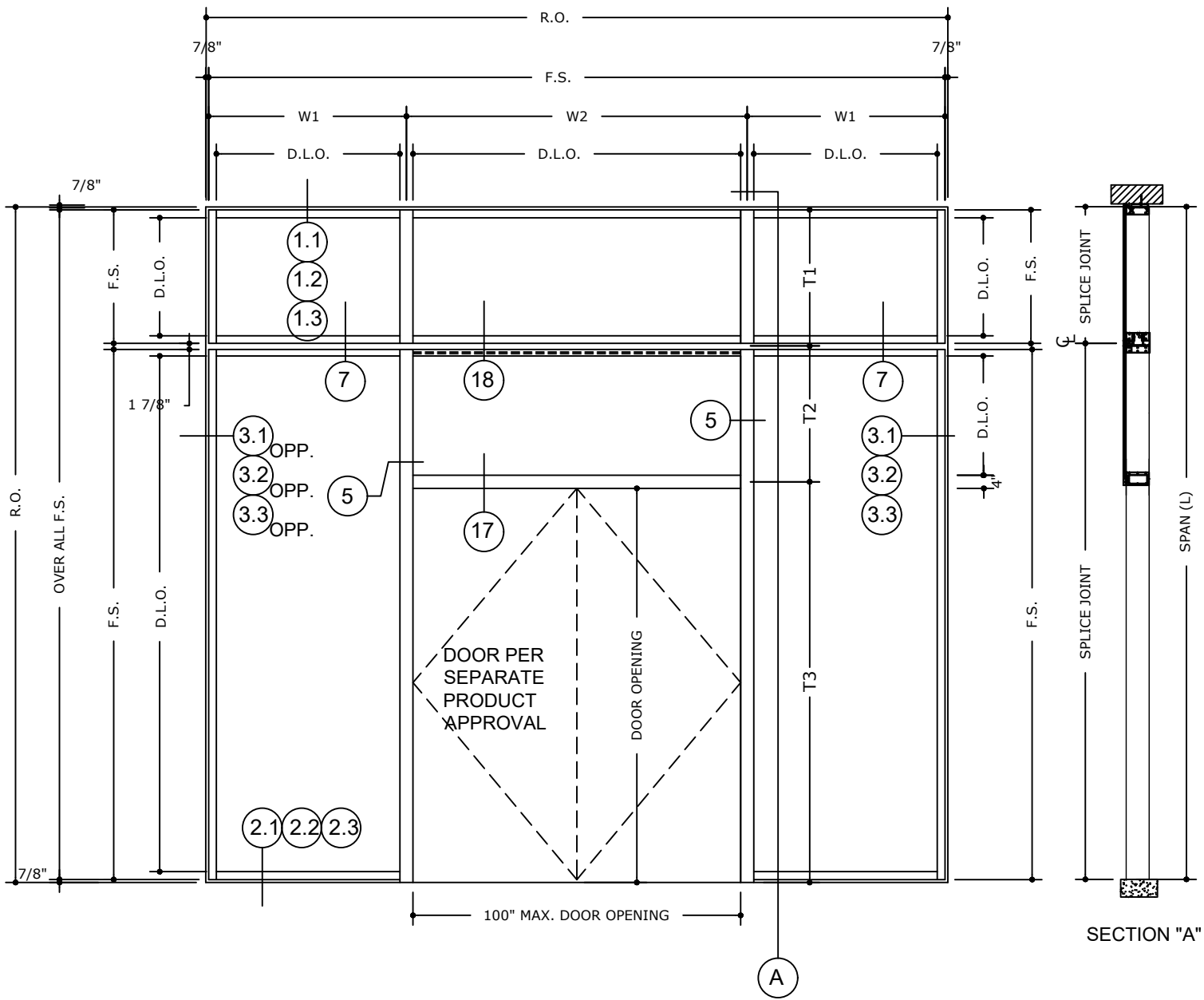
TYPICAL SINGLE SPAN ELEVATION

WITH OR WITHOUT HORIZONTAL MULLIONS

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

NOTE:
OPERABLE WINDOWS MAY BE USED ON SINGLE SPAN AND MULTI-SPAN APPLICATIONS. REFER TO MULTI-SPAN ELEVATIONS FOR OPERABLE WINDOWS MAXIMUM SIZES AND DETAIL CALL-OUTS.



TYPICAL ELEVATION

WITH DOOR OPTION

MULLION TRIBUTARY WIDTH

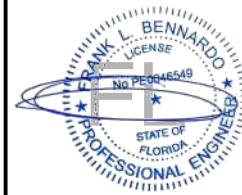
$$W = \frac{W1}{2} + \frac{W2}{2}$$

MAXIMUM DOOR HEADER (DETAIL 17) VERTICAL TRIBUTARY DIMENSION = 80 7/8" MAX.

$$T = \frac{T2 + T3}{2}$$

MAXIMUM SPLICE JOINT (DETAIL 18) VERTICAL TRIBUTARY DIMENSION = 41 1/2" MAX.

$$T = \frac{T1 + T2}{2}$$



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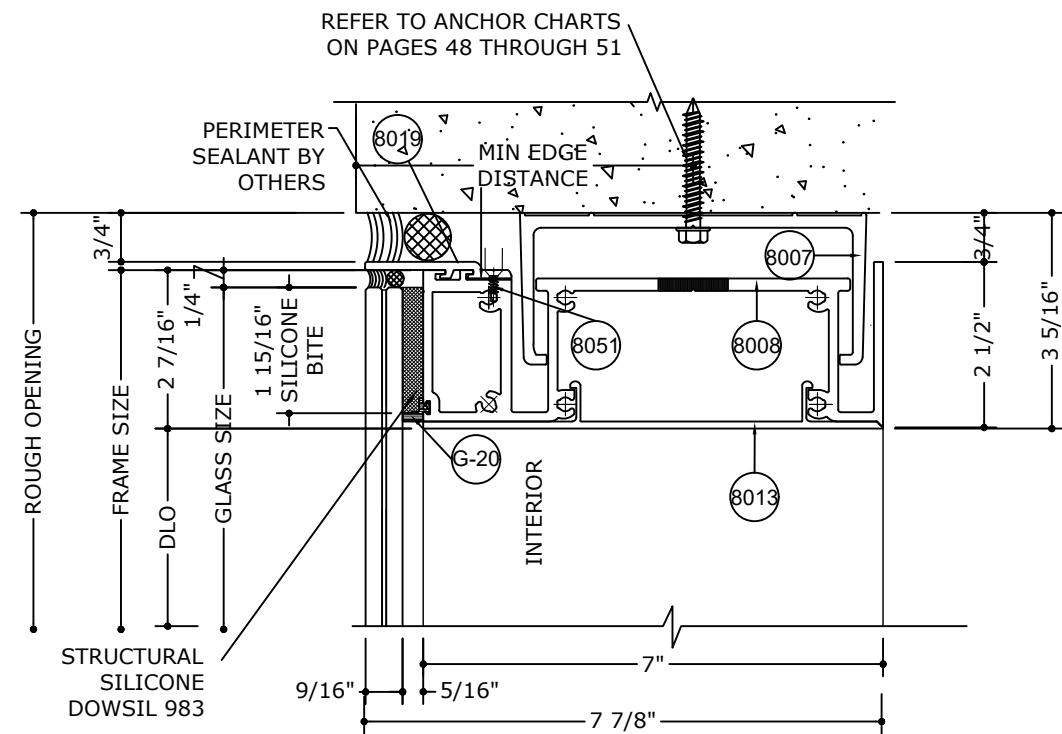
WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS

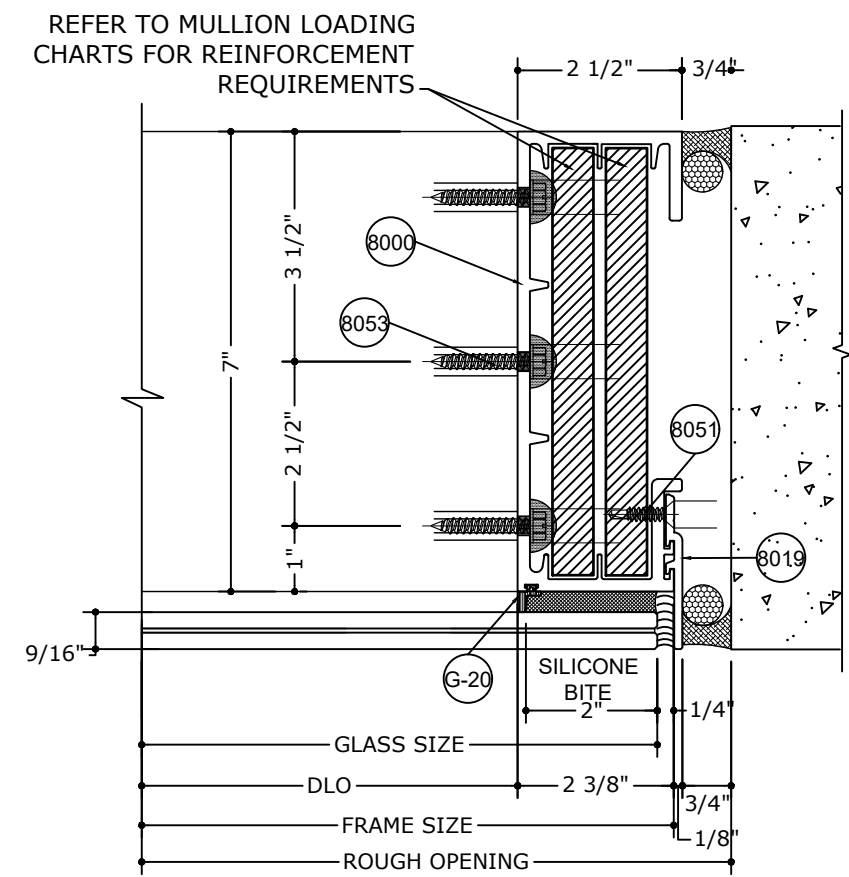
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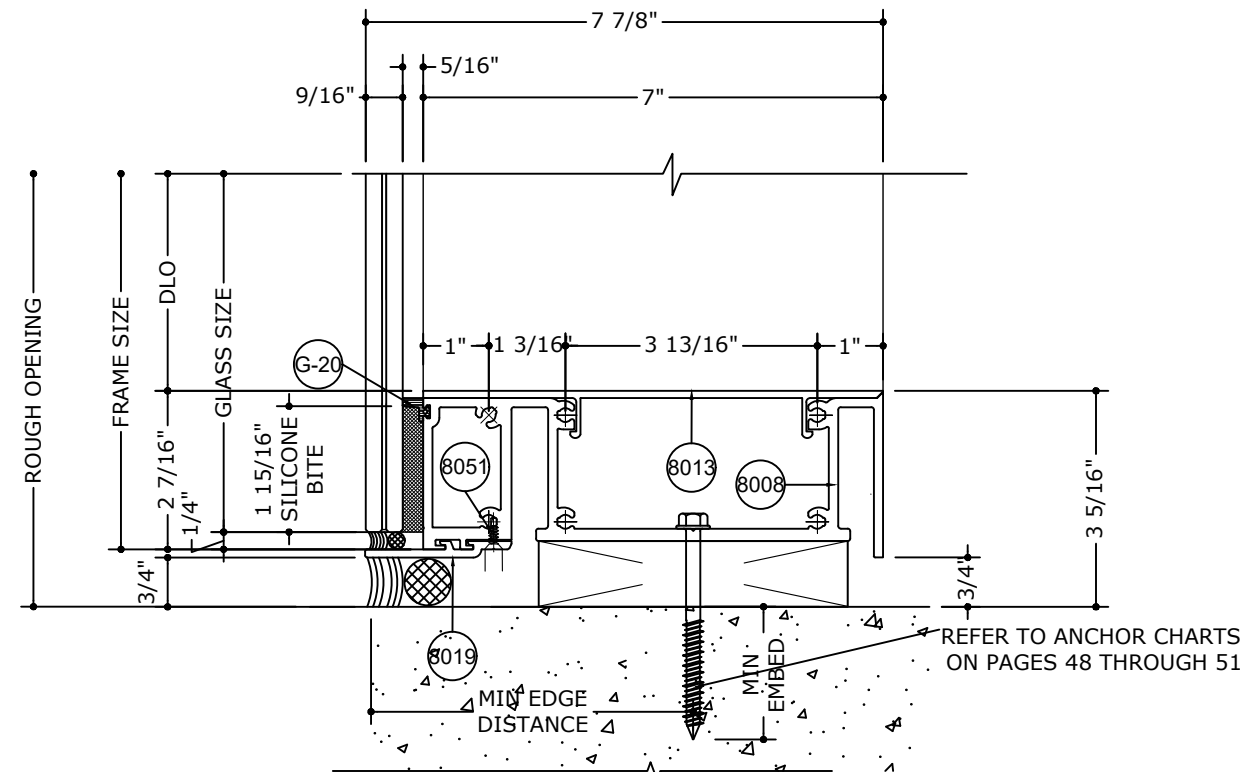
SCALE: NTS UNLESS NOTED



1.1 HEAD DETAIL (CONCRETE)
N.T.S



3.1 JAMB DETAIL (CONCRETE)
N.T.S



2.1 SILL DETAIL (CONCRETE)
N.T.S

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
UP TO 96"	1/4"	3/4 "
UP TO 120"	3/8"	3/4 "
UP TO 144"	7/16"	3/4 "

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PE# 0046549 CA# 9885

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LARGE MISSILE IMPACT MISSILE LEVEL D

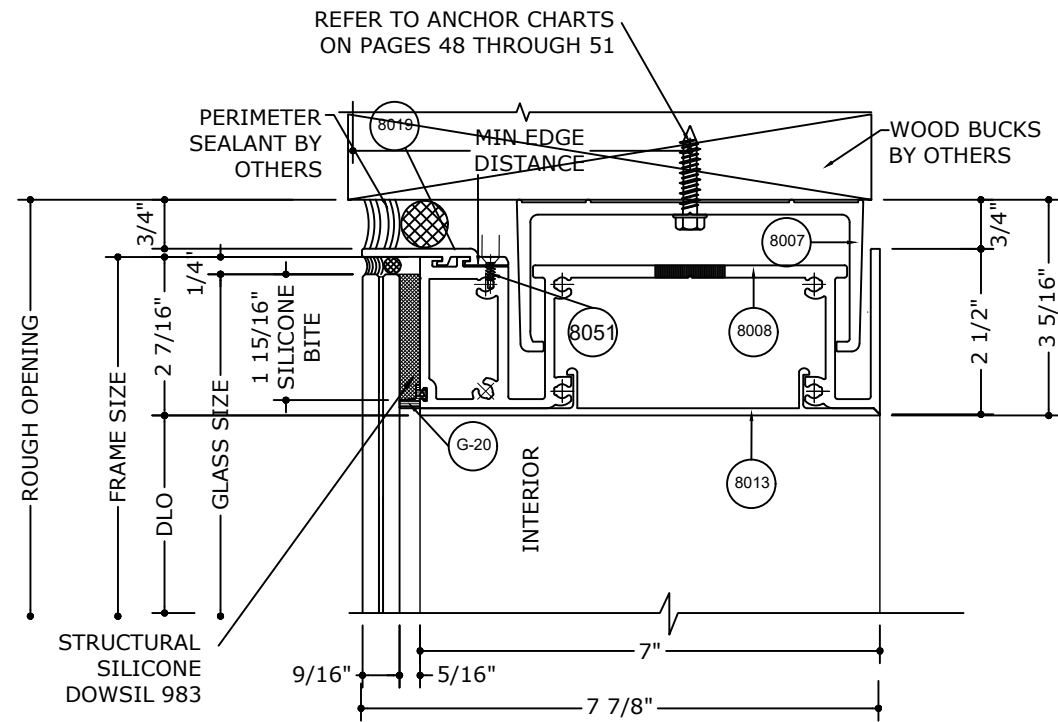
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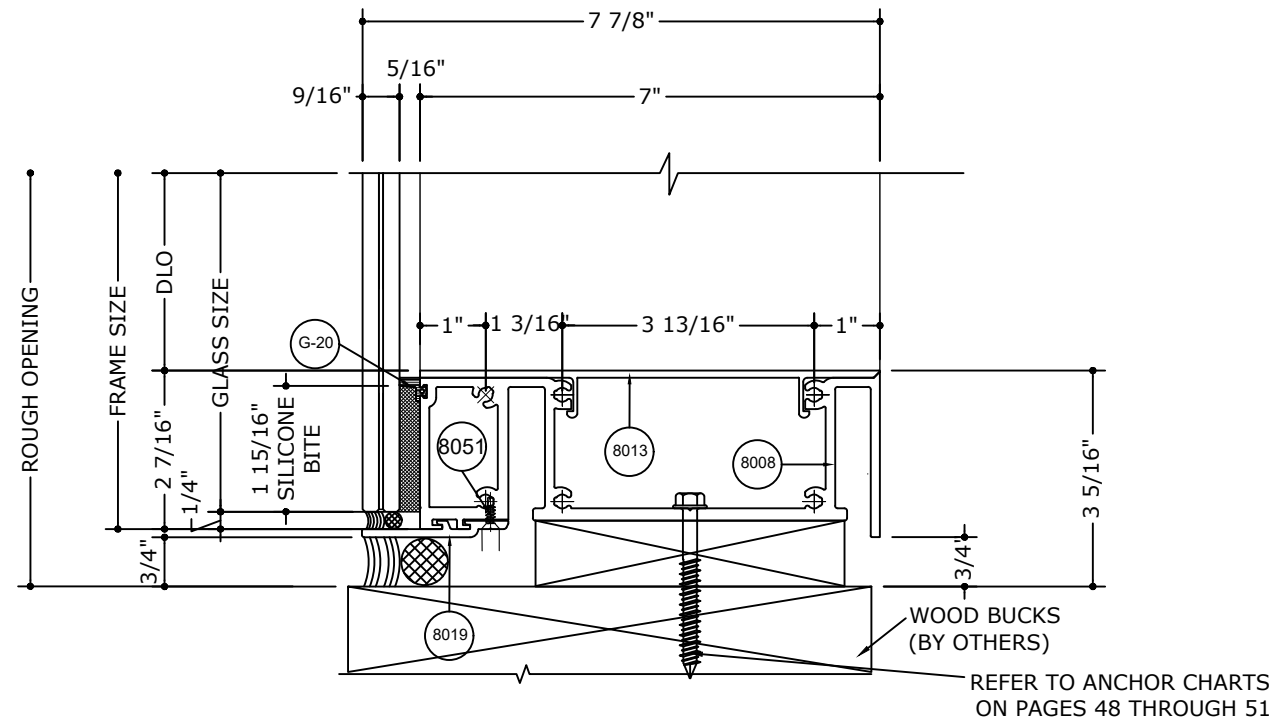
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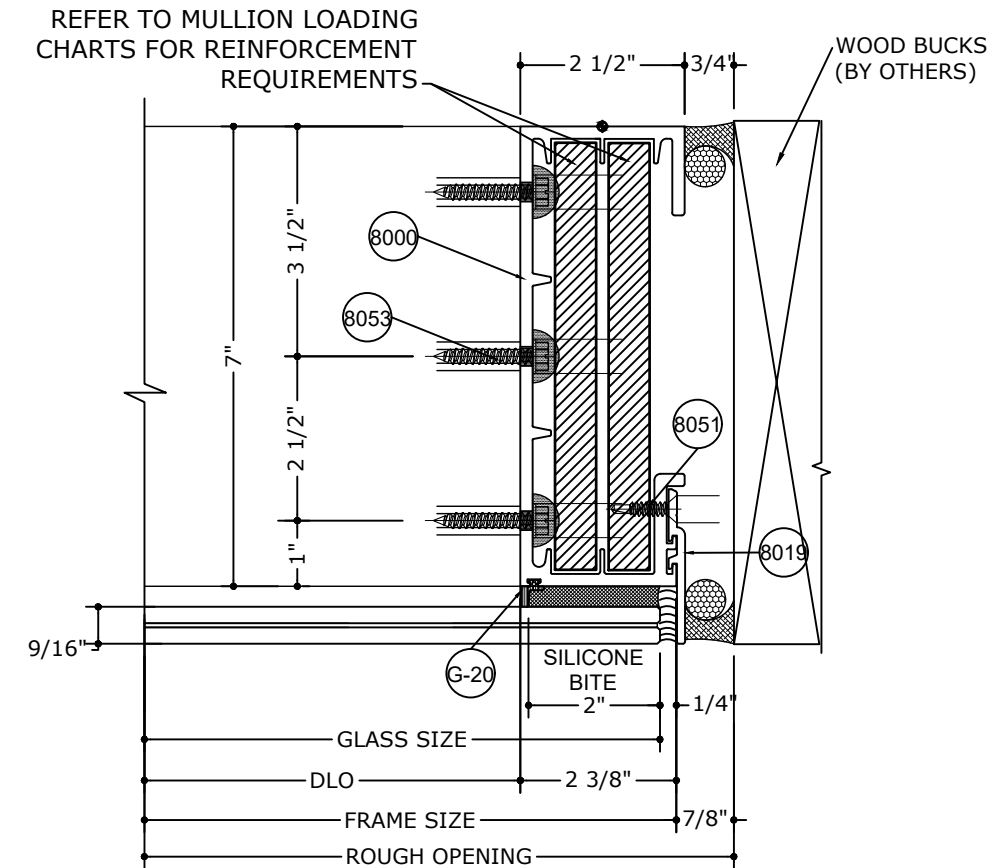
5 OF 64



1.2 HEAD DETAIL (WOOD)
N.T.S

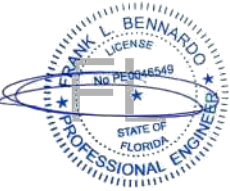


2.2 SILL DETAIL (WOOD)
N.T.S



3.2 JAMB DETAIL (WOOD)
N.T.S

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
UP TO 96"	1/4"	3/4 "
UP TO 120"	3/8"	3/4 "
UP TO 144"	7/16"	3/4 "



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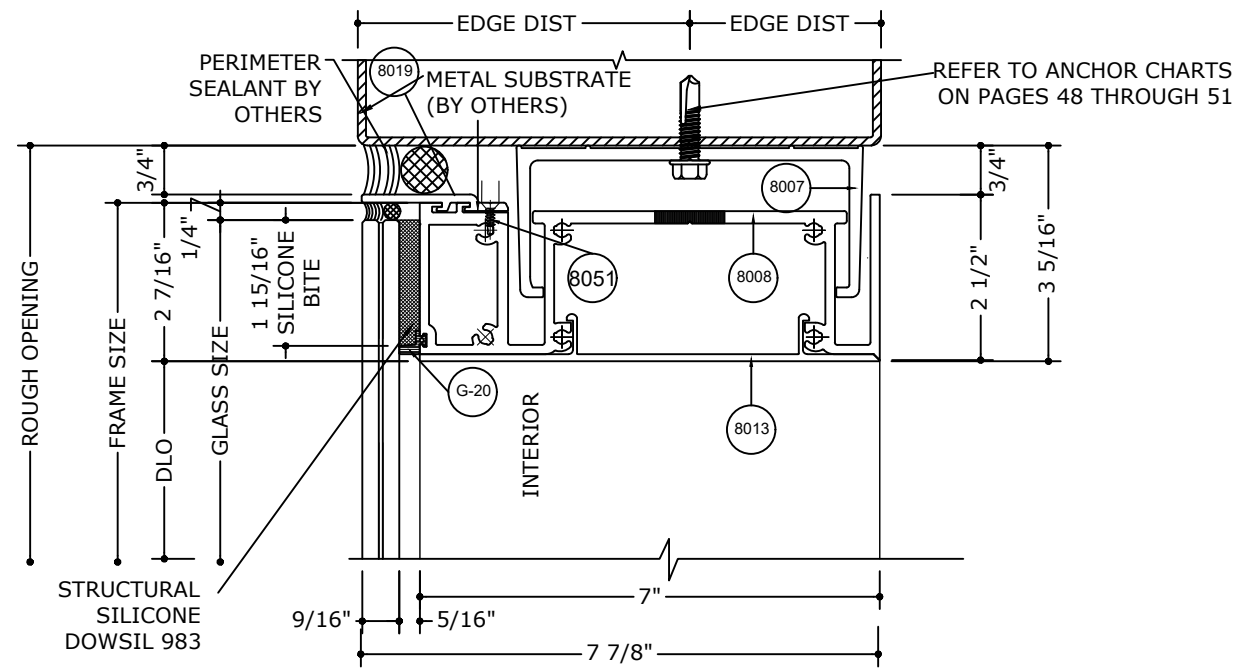
WINDOW WALL SYSTEM - FL# 41589.5
 8000 SERIES WINDOW WALL
 LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

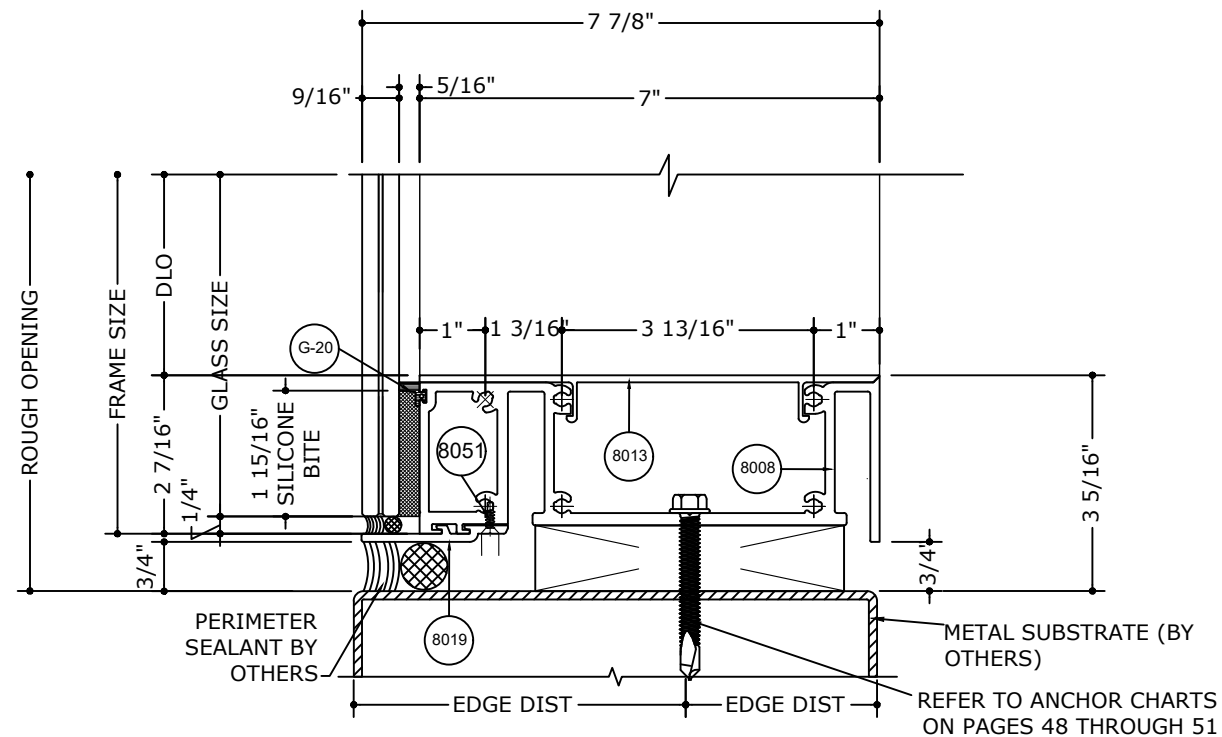
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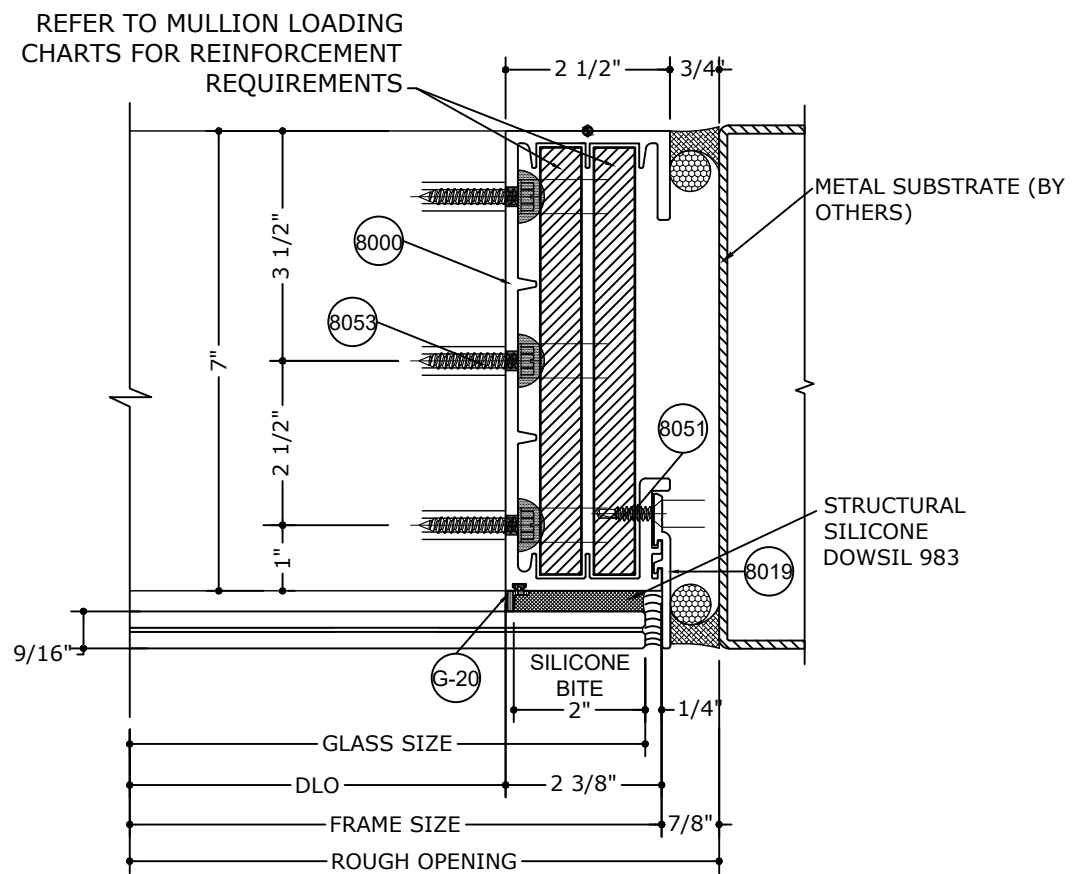
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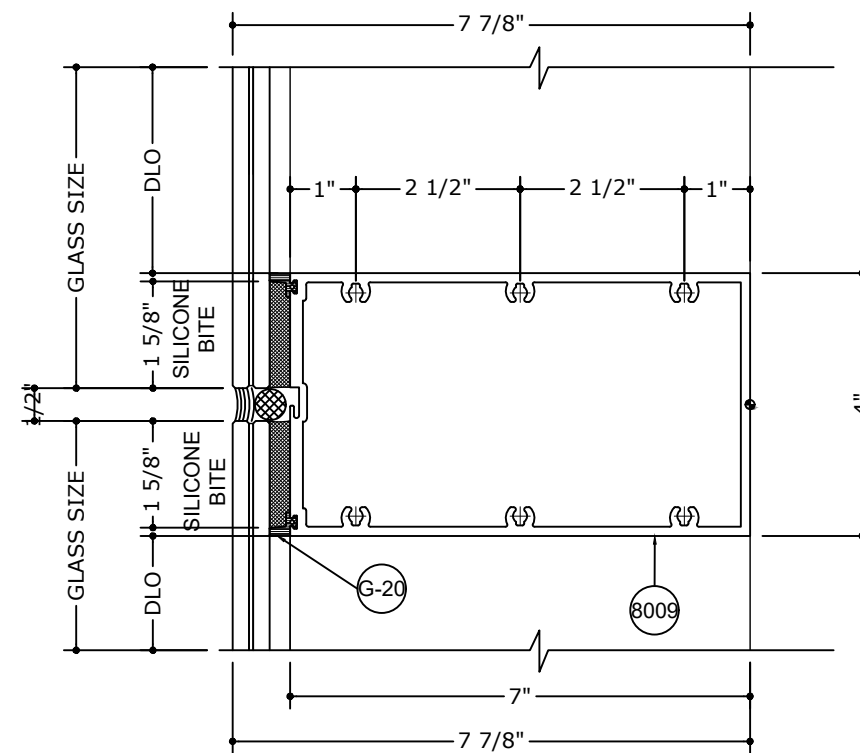
1.3 HEAD DETAIL (METAL)
N.T.S



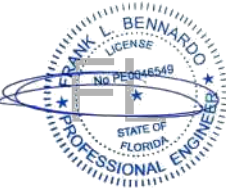
2.3 SILL DETAIL (METAL)
N.T.S



3.3 JAMB DETAIL (METAL)
N.T.S



4 HORIZONTAL DETAIL
N.T.S



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REMARKS	DRWN	CHKD	DATE
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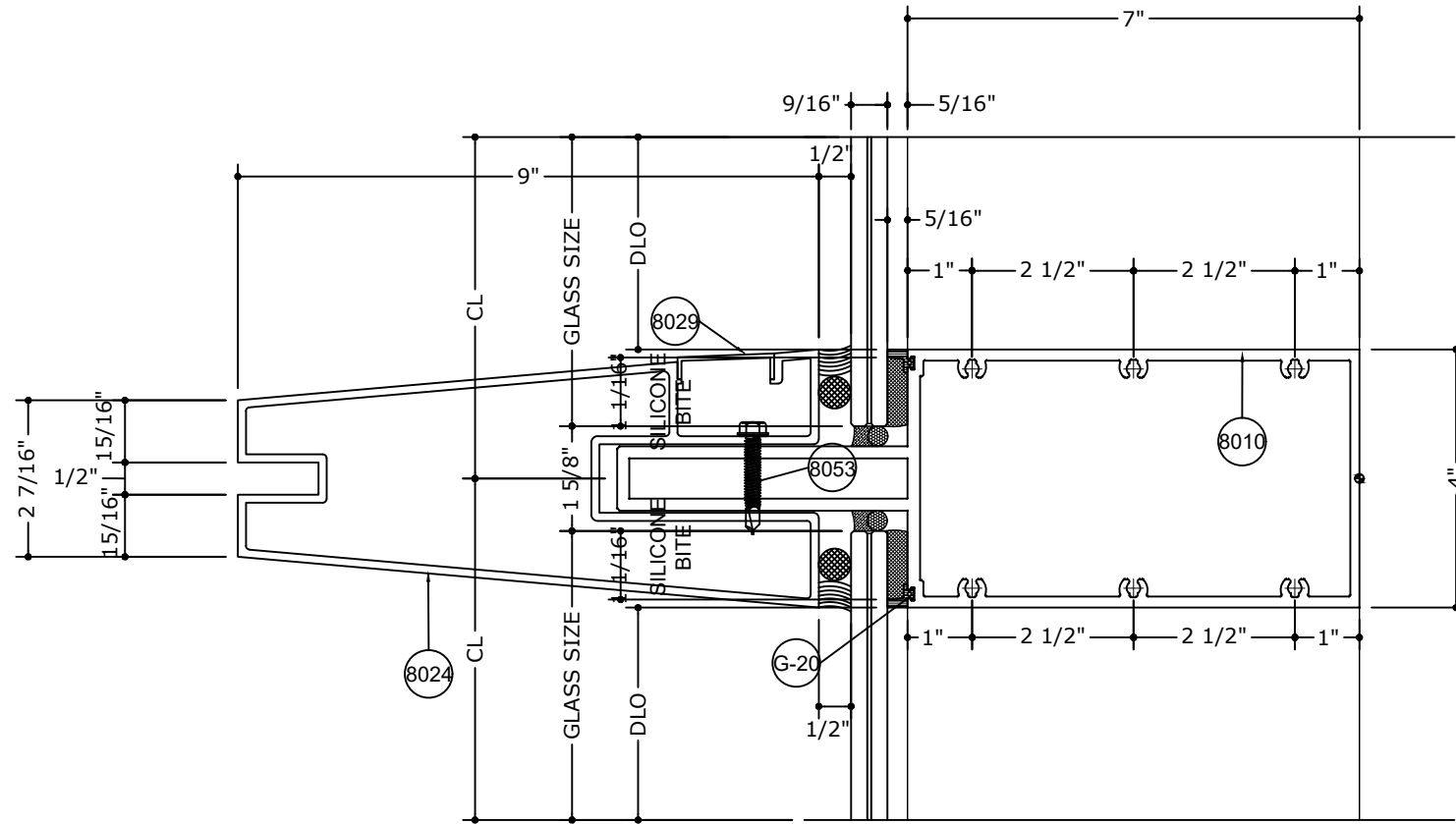
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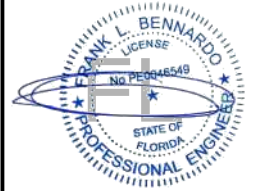
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7



11 INTERMEDIATE @ SUNSHADE
N.T.S



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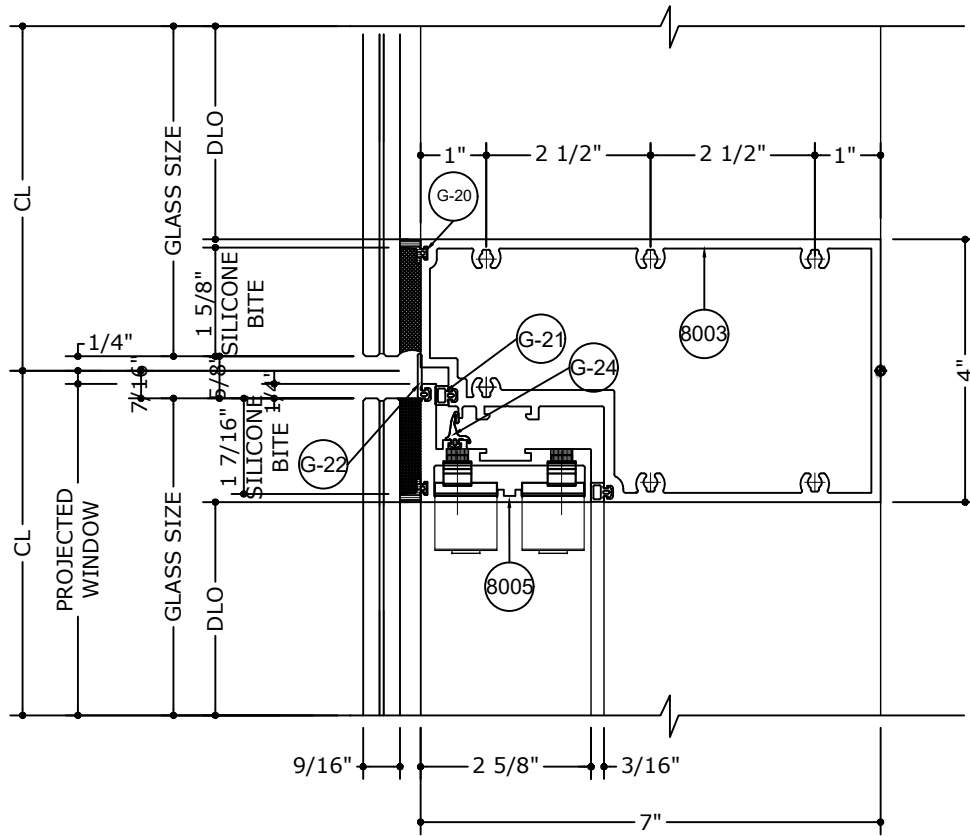
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REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22
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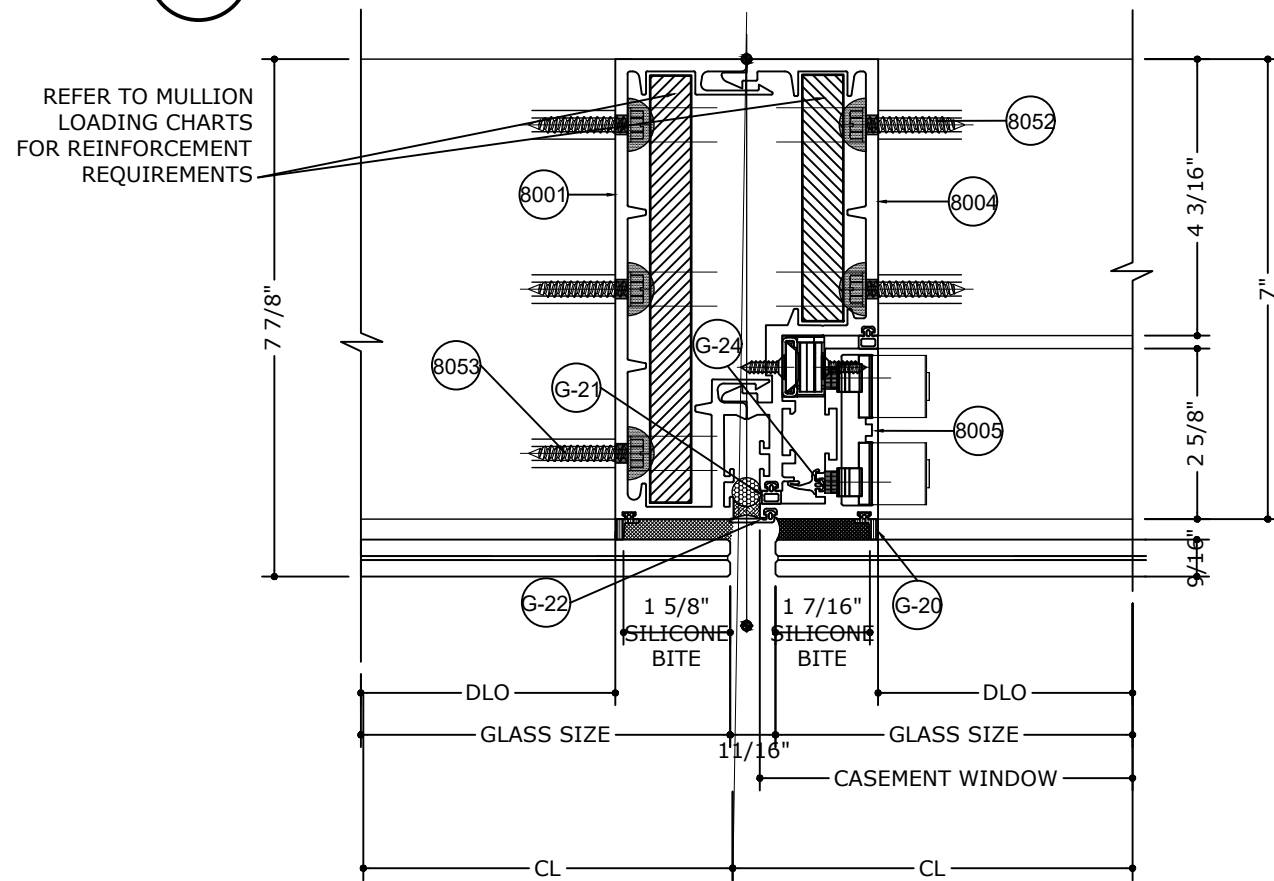
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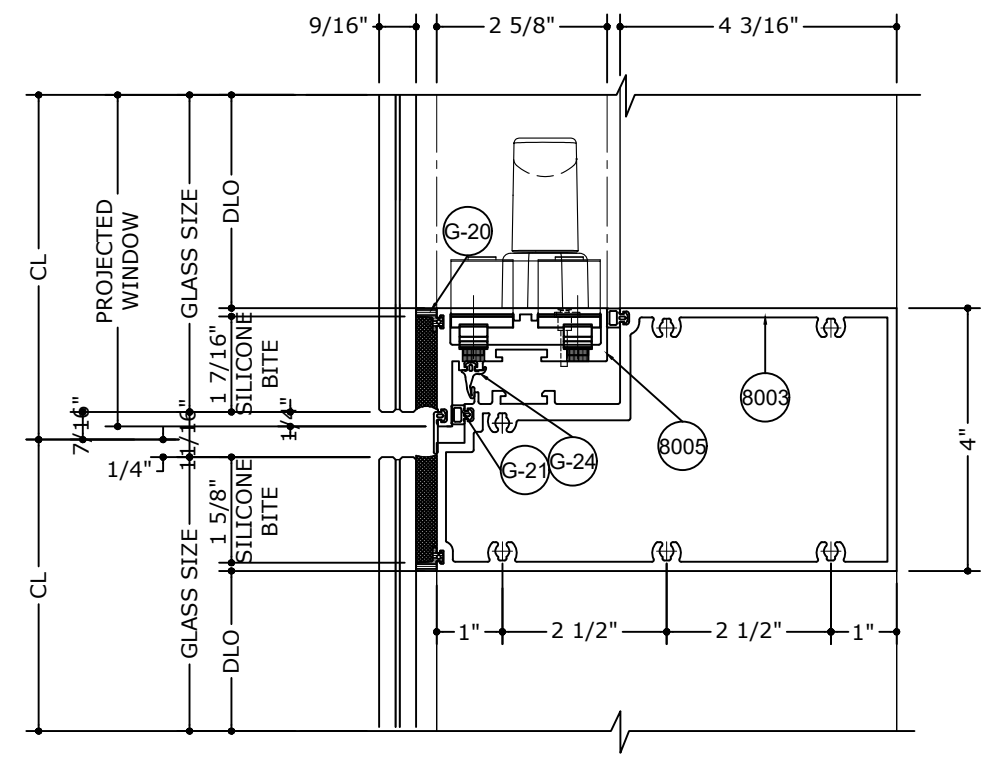
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12 INTERMEDIATE @ PROJECTED HEAD
N.T.S

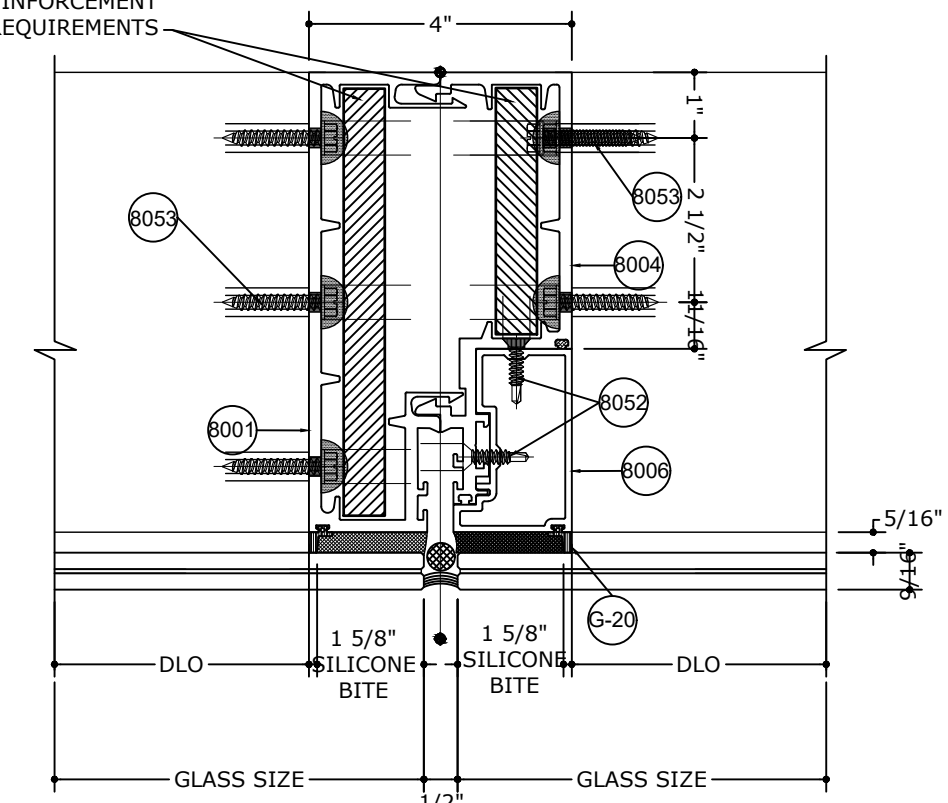


14 INTERMEDIATE @PROJECTED JAMBS
N.T.S

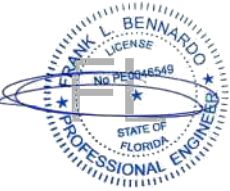


13 INTERMEDIATE @PROJECTED SILL
N.T.S

REFER TO MULLION LOADING CHARTS FOR REINFORCEMENT REQUIREMENTS



15 INTERMEDIATE VERTICAL WITH FILLER ADAPTOR
N.T.S



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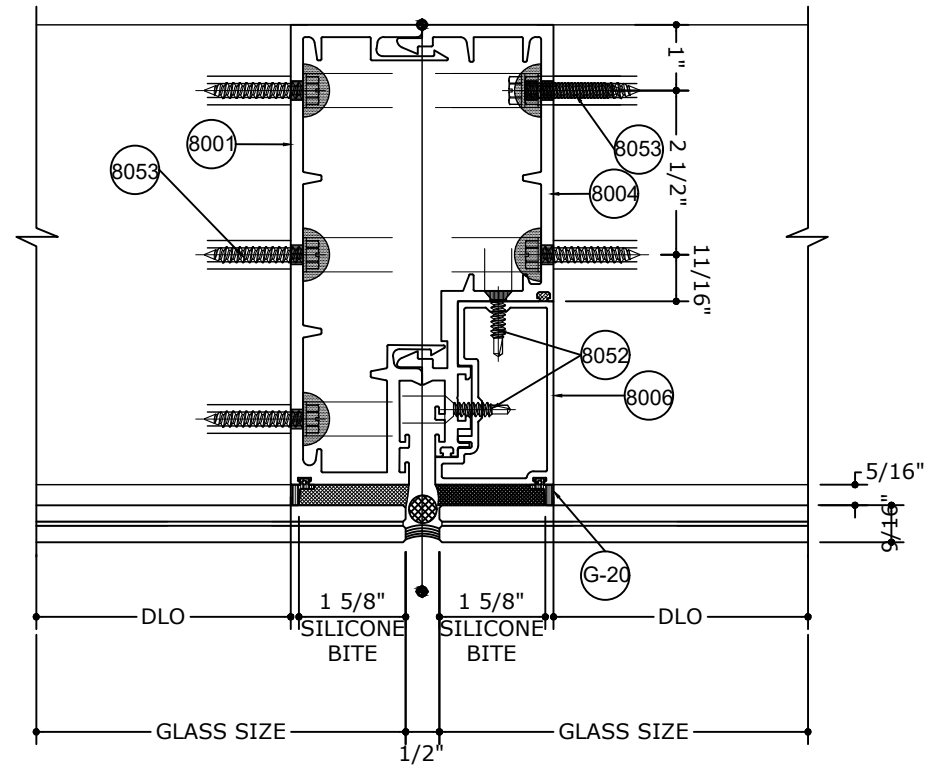
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REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

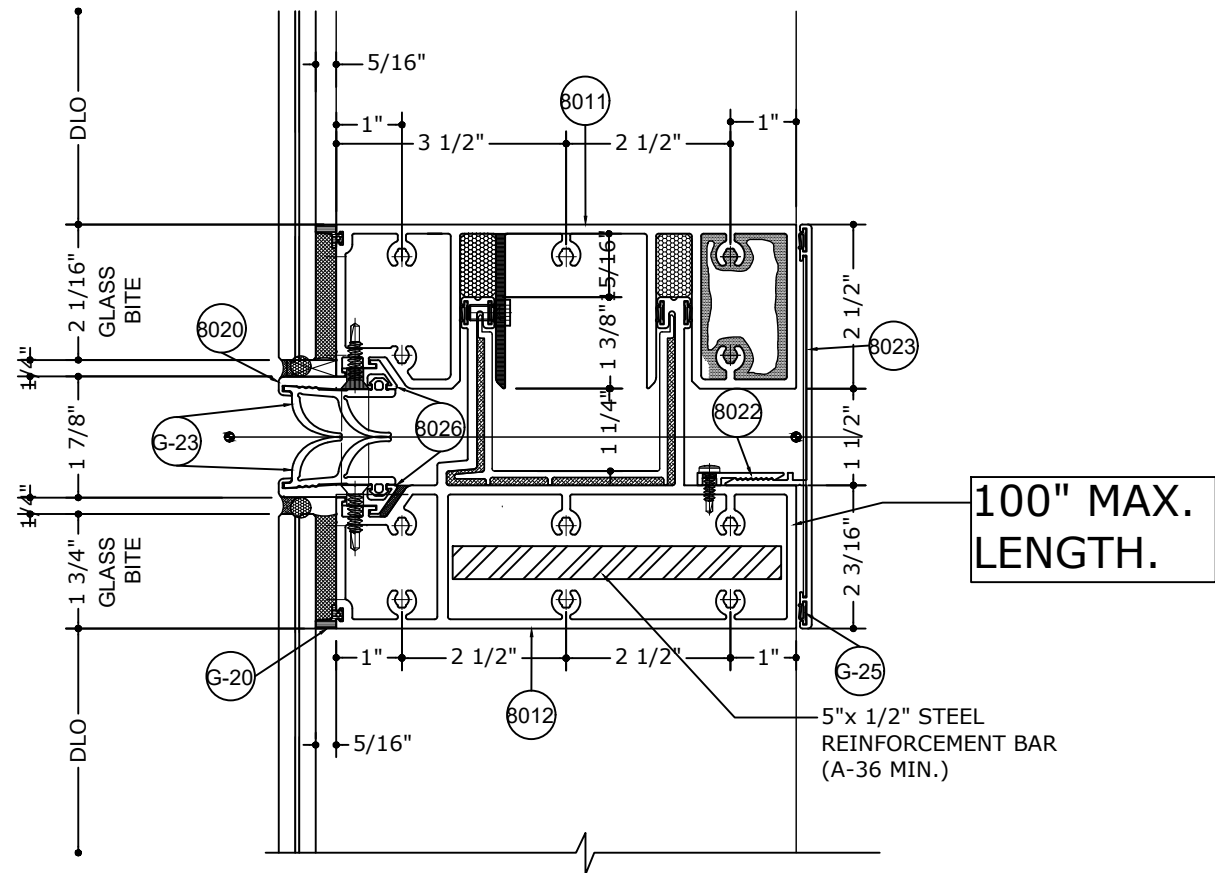
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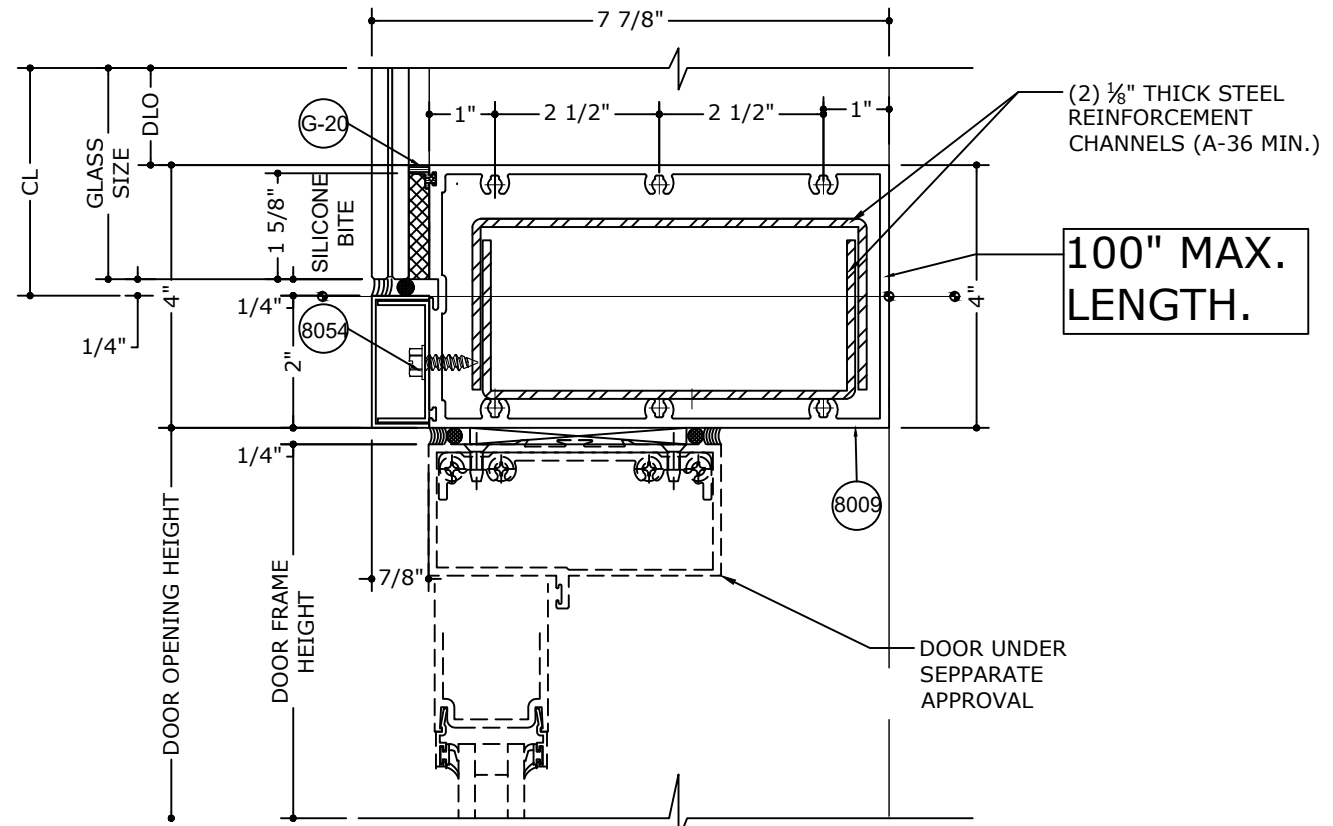
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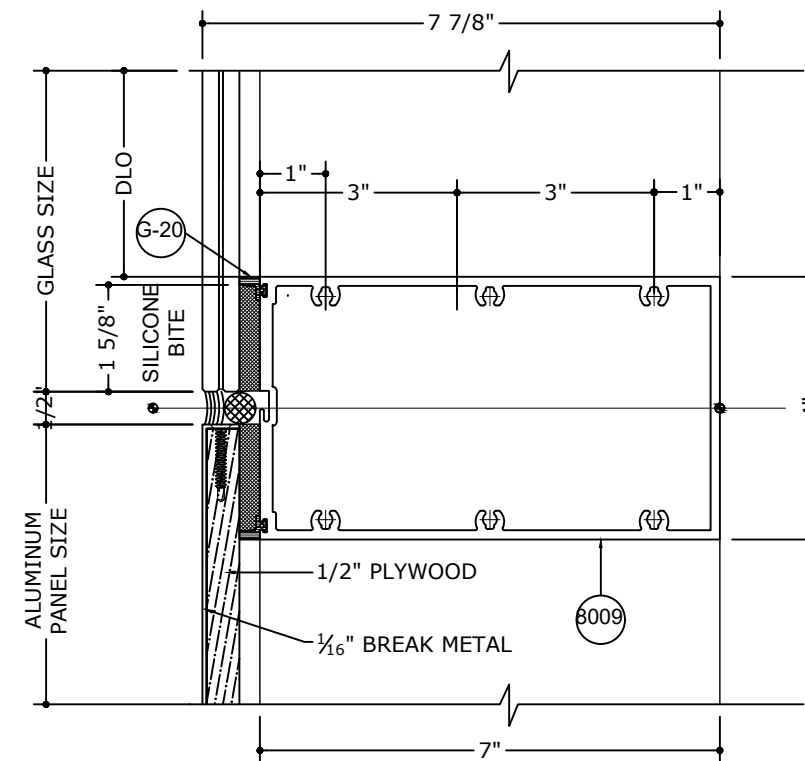
16 INTERMEDIATE VERTICAL WITH FILLER ADAPTOR
N.T.S



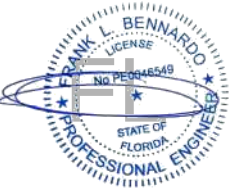
18 SPLICE JOINT
N.T.S



17 INTERMEDIATE @ DOOR TRANSOM
N.T.S



19 INTERMEDIATE
N.T.S



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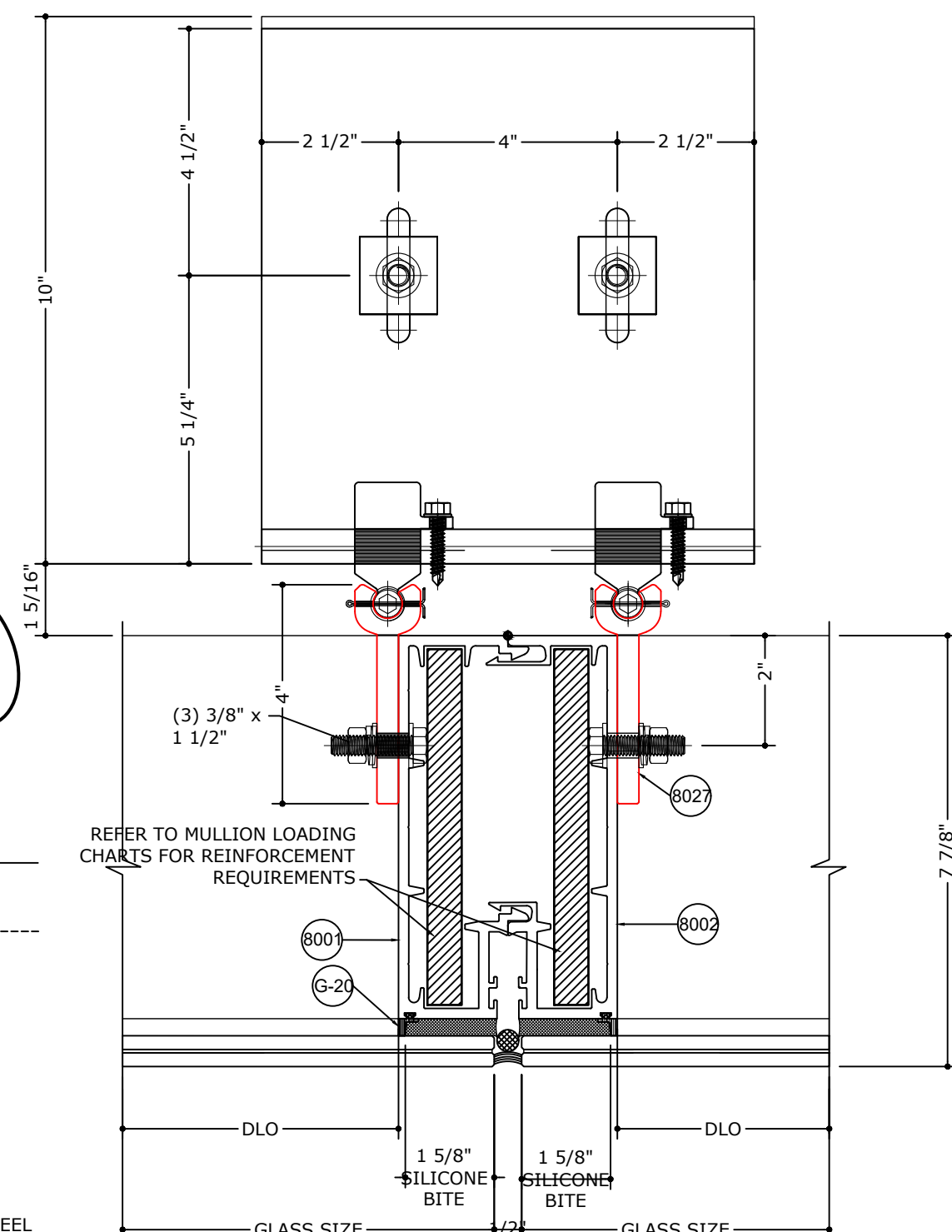
WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MITIGATION LEVEL D

INTEGRATING INIT ISSUE	DATE	DATE	DATE	DATE	DATE
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-					
-					
-					

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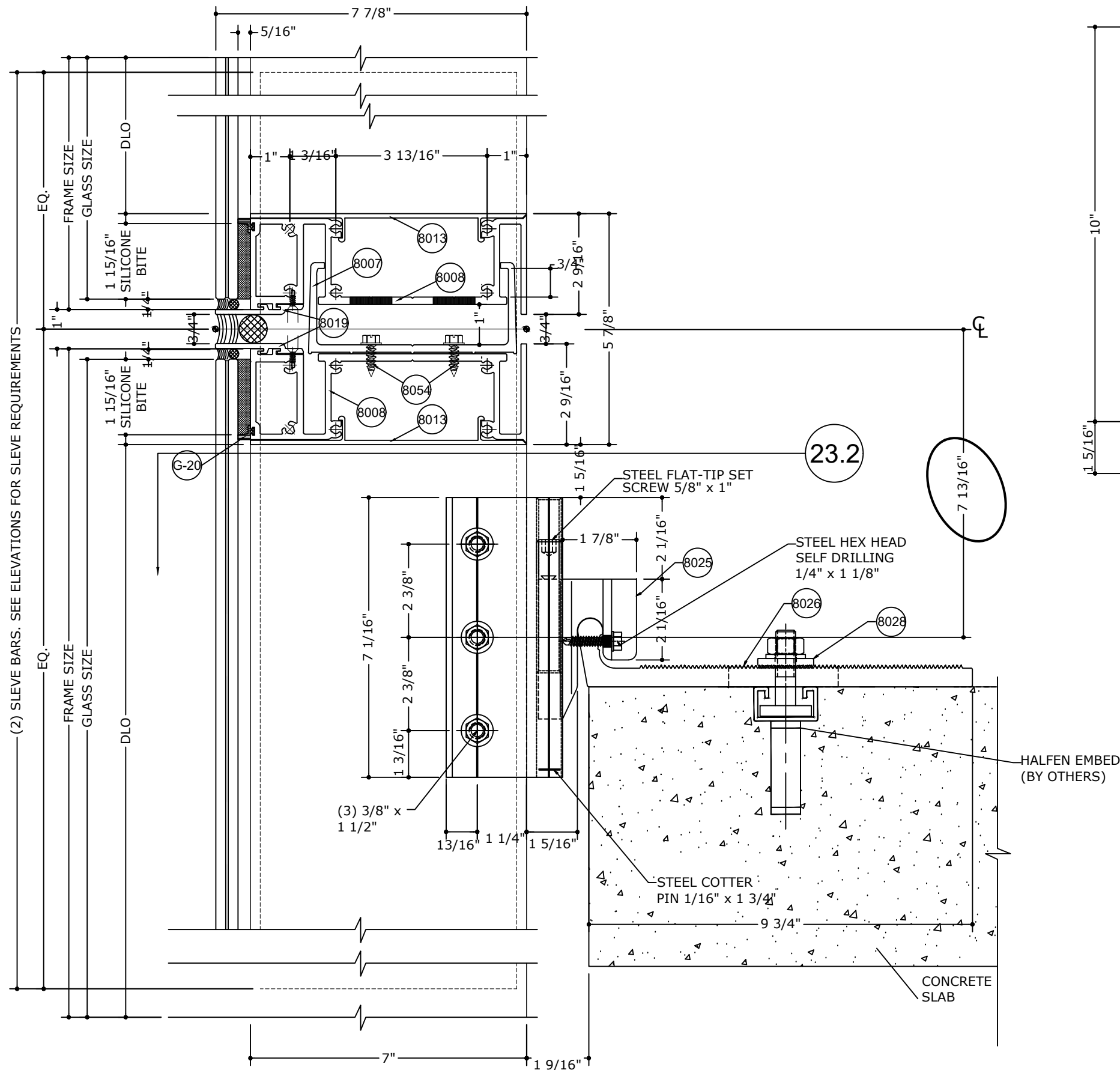




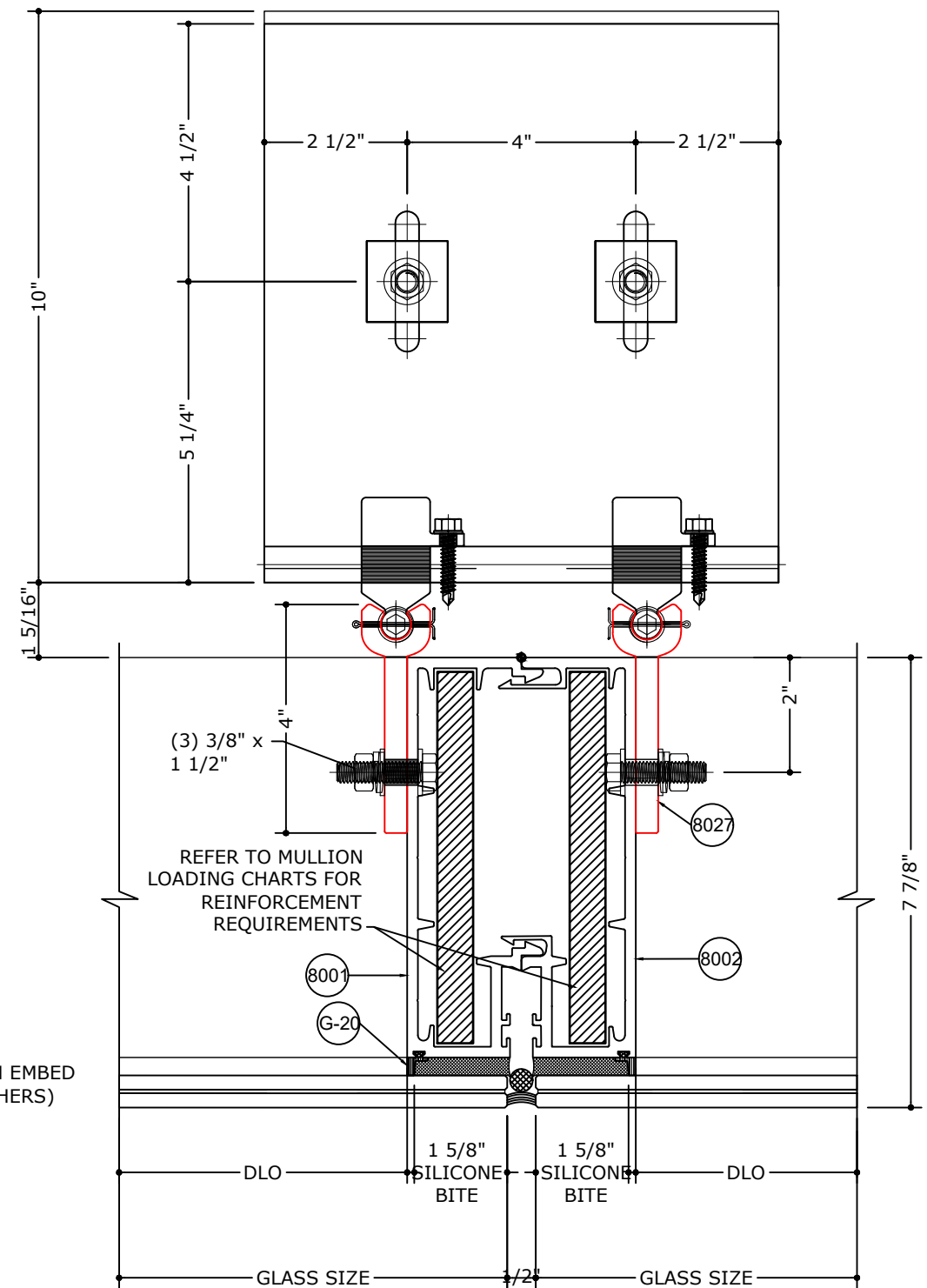
23.1 MID ANCHOR (TOP VIEW)
N.T.S

NOTE:

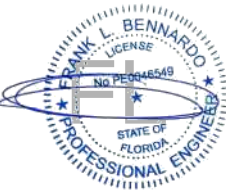
- PLATE MAY BE ENLARGED PER CALCULATIONS
- THRU-BOLT / SELF-TAP-IN BOLTS FOR USE AND DETERMINED THROUGH CALCULATIONS



22.2 MID ANCHOR (SIDE VIEW)
N.T.S



23.2 MID ANCHOR (TOP VIEW)
N.T.S



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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

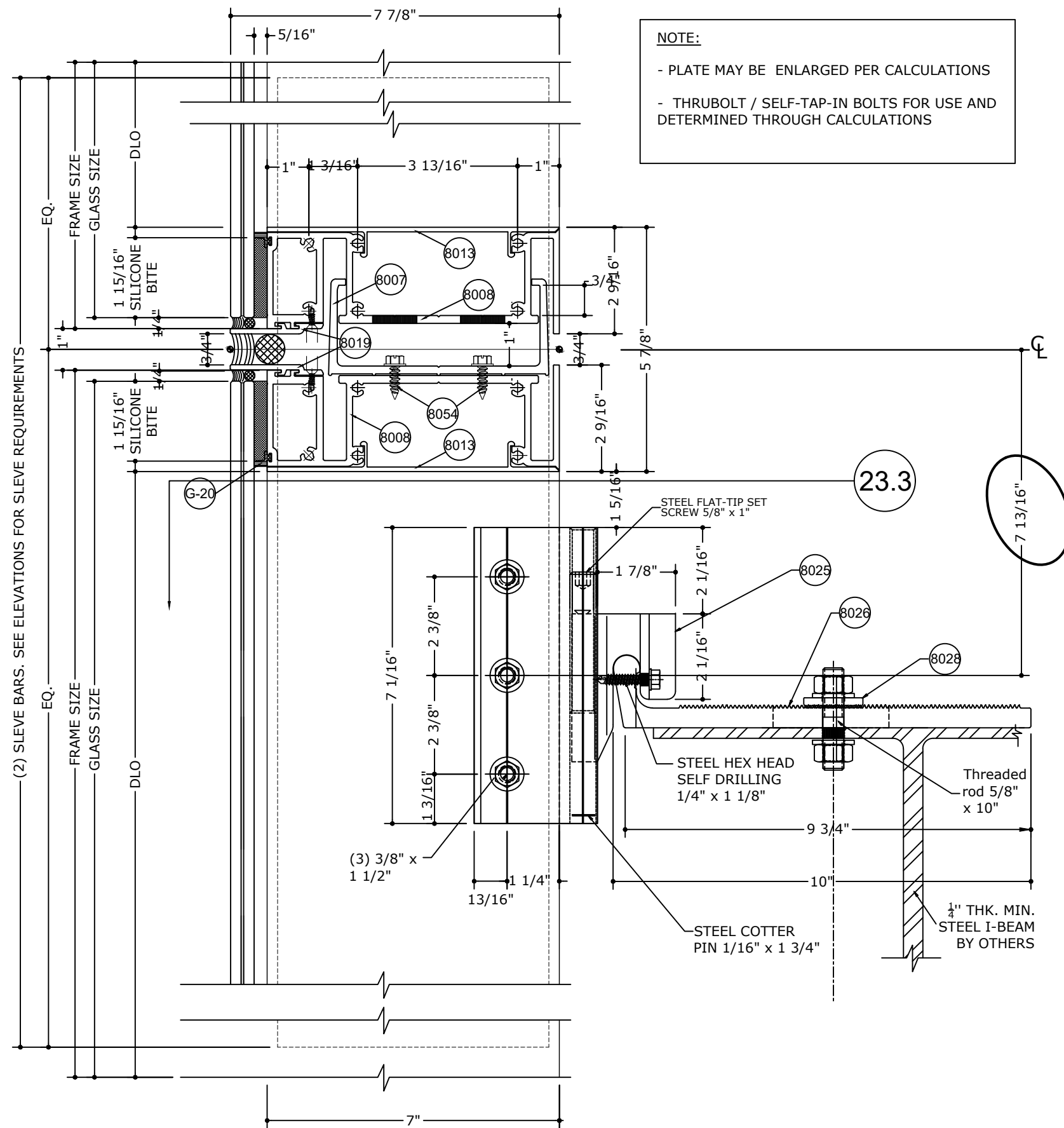
REMARKS	DRWN	CHKD	DATE
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22-52826e

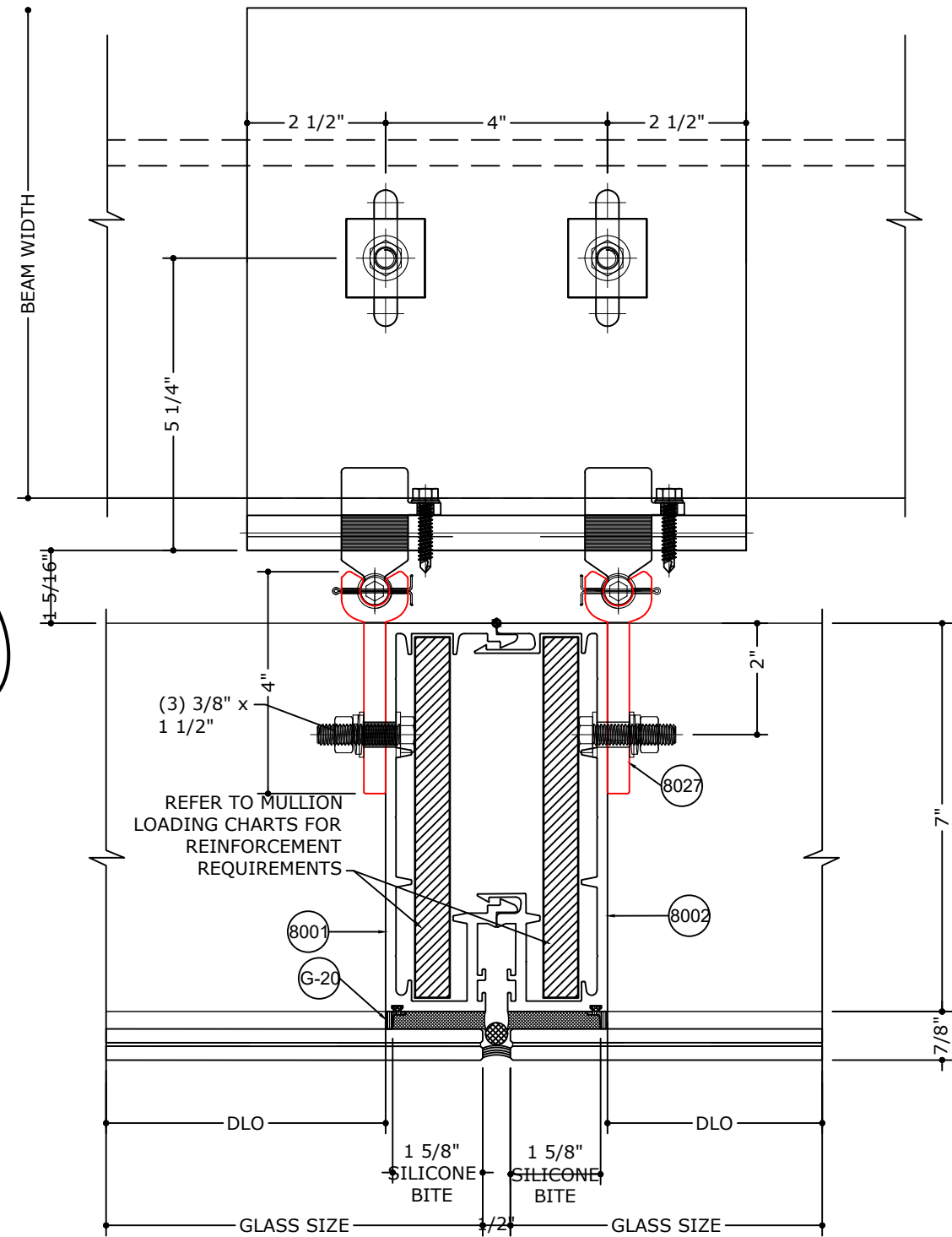
SCALE: NTS UNLESS NOTED

15 OF 64



NOTE:

- PLATE MAY BE ENLARGED PER CALCULATIONS
- THRUBOLT / SELF-TAP-IN BOLTS FOR USE AND DETERMINED THROUGH CALCULATIONS

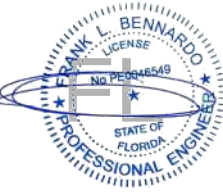


23.3 MID ANCHOR (TOP VIEW)
N.T.S

N.T.S

22.3 MID ANCHOR (SIDE VIEW)

N.T.S



FL#41589.5



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(646) 618-1682

WALL SYSTEM - FL# 41589.5

WALL SYSTEM - L# 41309.3
SERIES WINDOW WALL

SERIES WINDOW WALL
MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22
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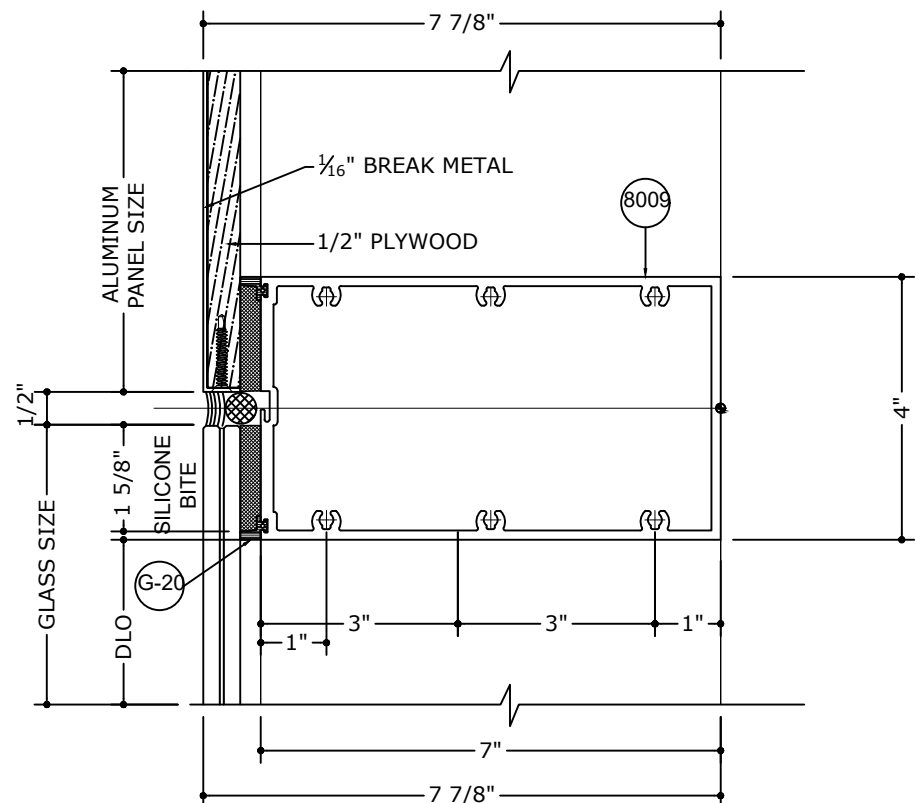
22-52826e

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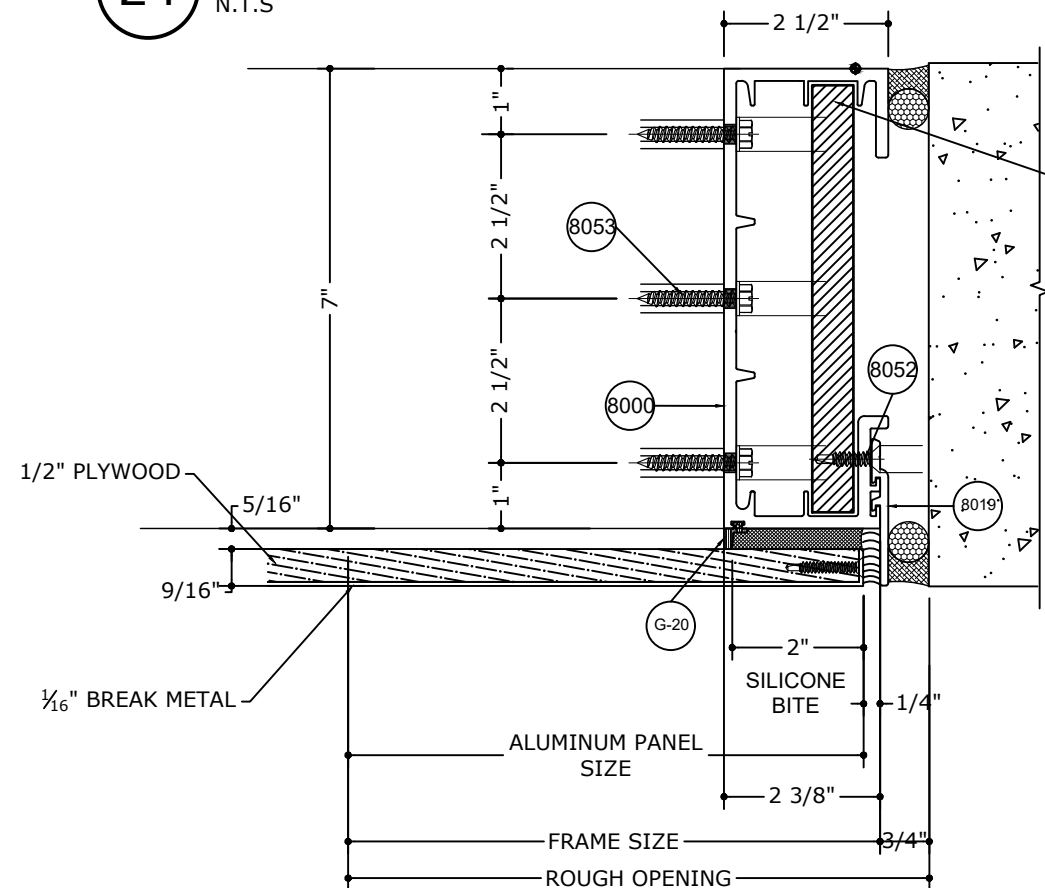
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64

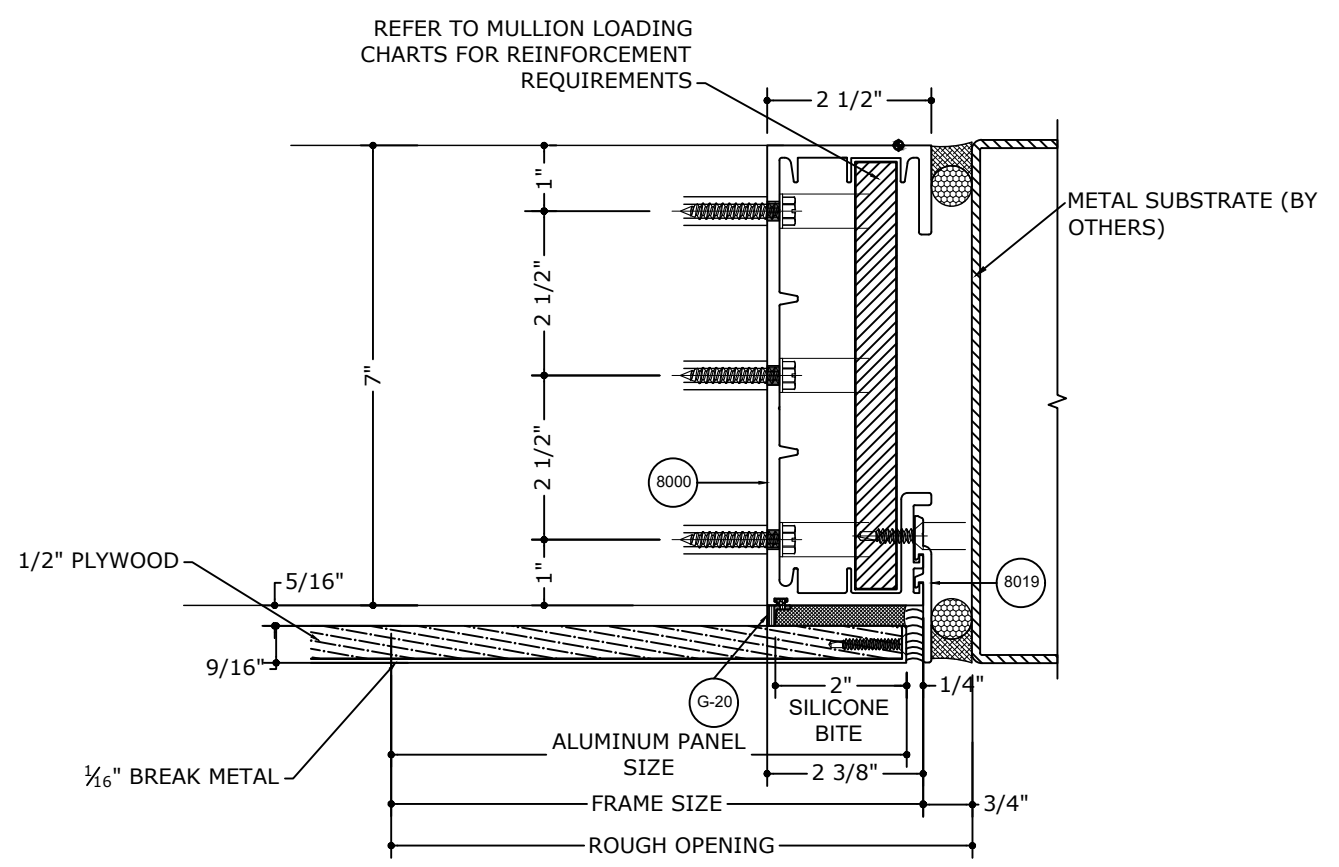
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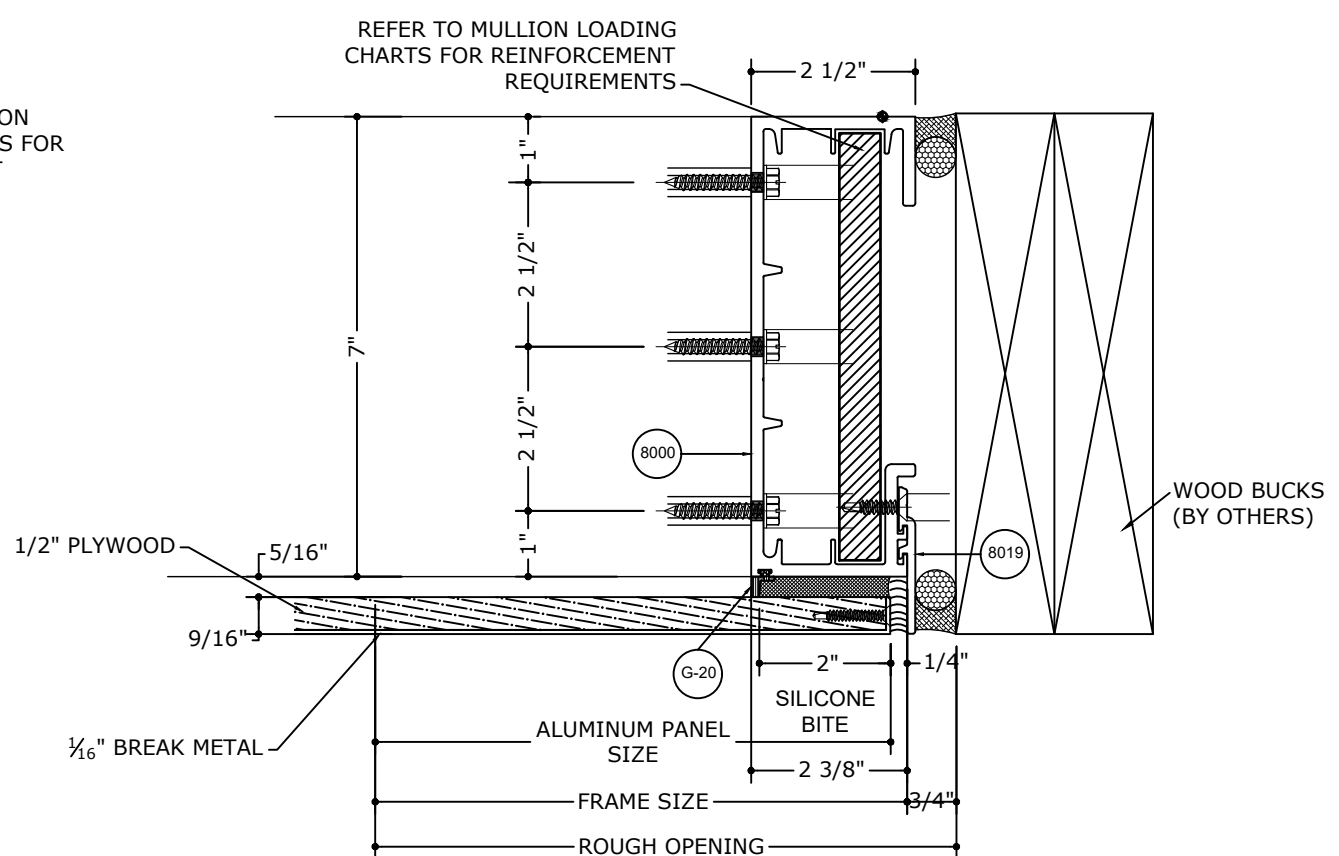
24 INTERMEDIATE
N.T.S



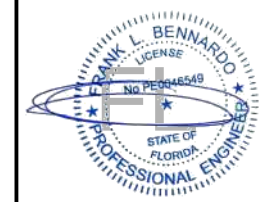
25.2 JAMB DETAIL (CONCRETE)
N.T.S



25.1 JAMB DETAIL (METAL)
N.T.S



25.3 JAMB DETAIL (WOOD)
N.T.S



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WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS

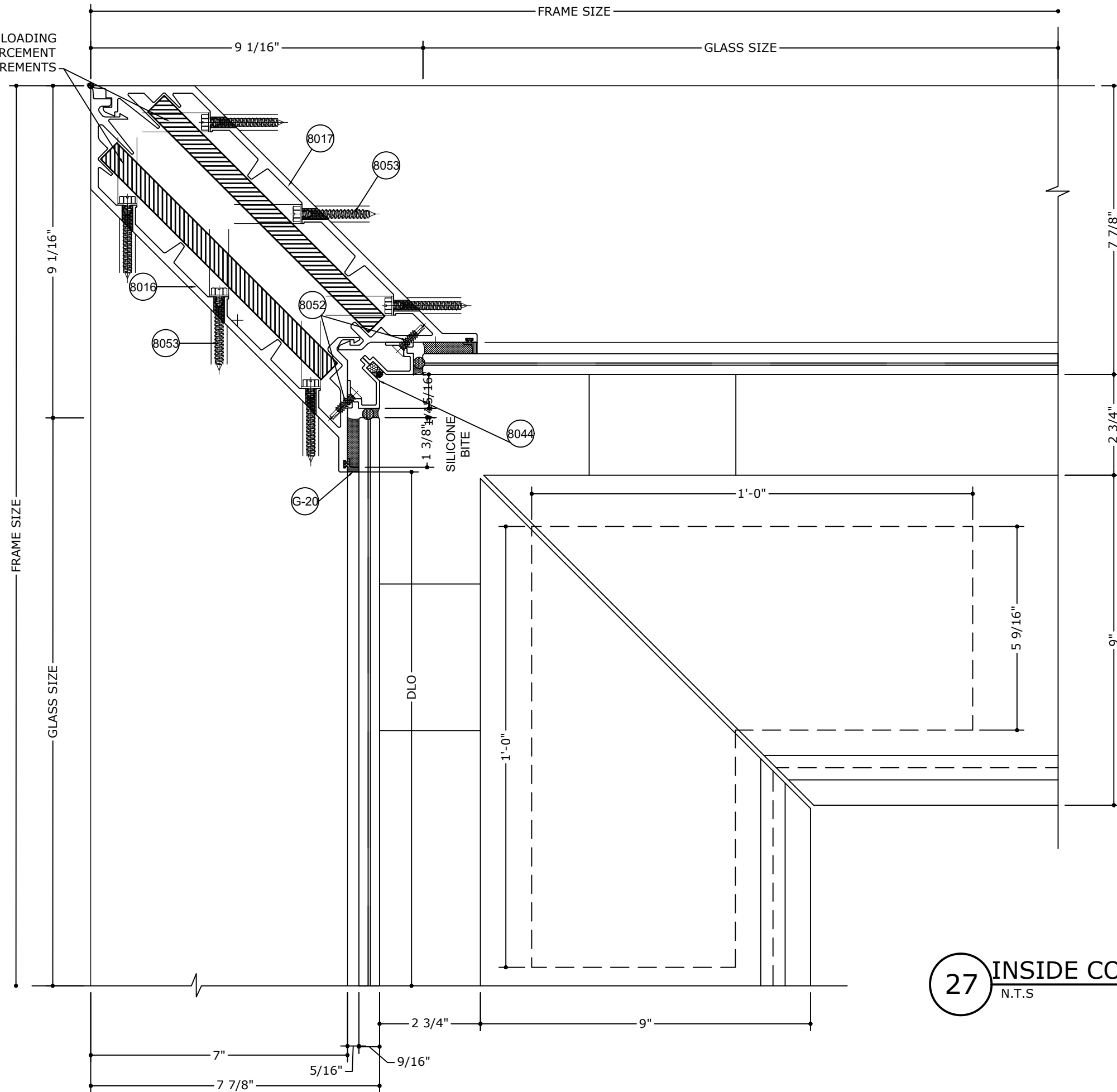
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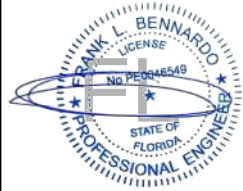
17 OF 64

REFER TO MULLION LOADING
CHARTS FOR REINFORCEMENT
REQUIREMENTS



27 INSIDE CORNER @ SUNSHADE
N.T.S

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



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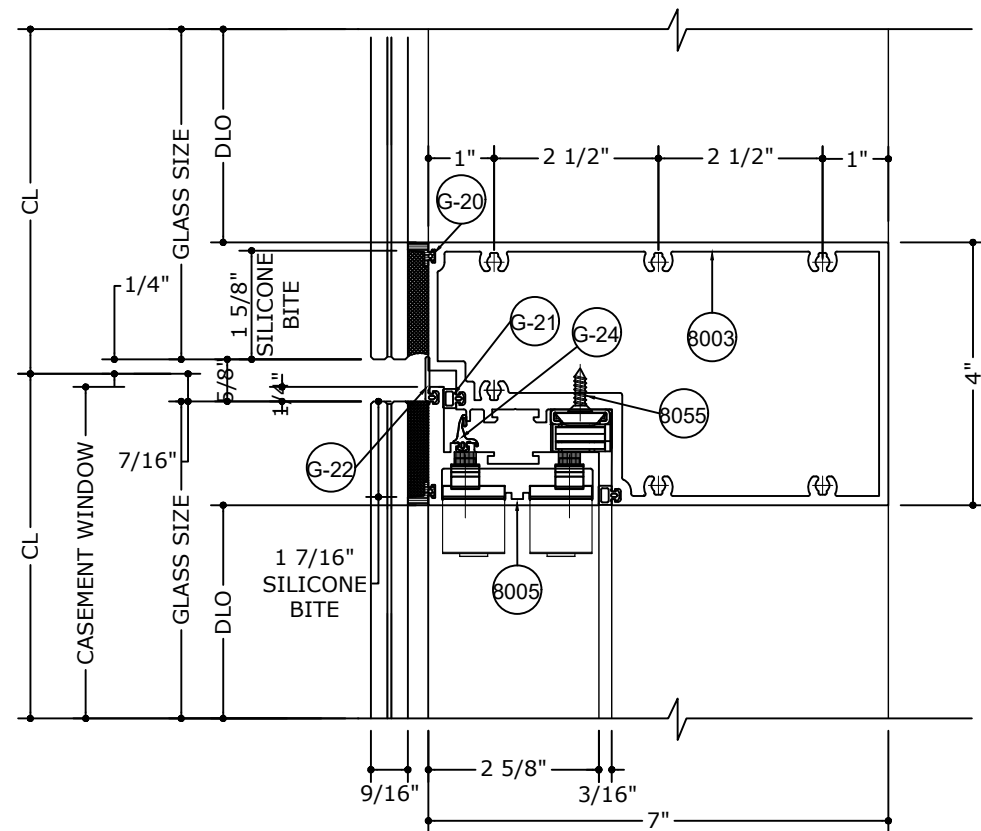
WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22
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	-	-	-
	-	-	-

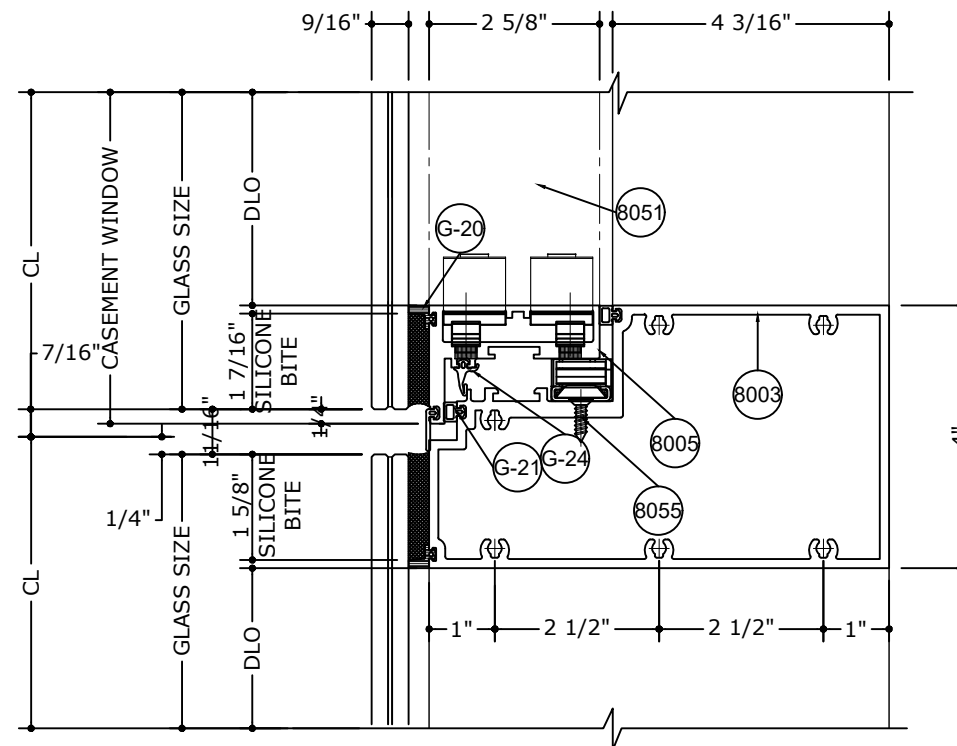
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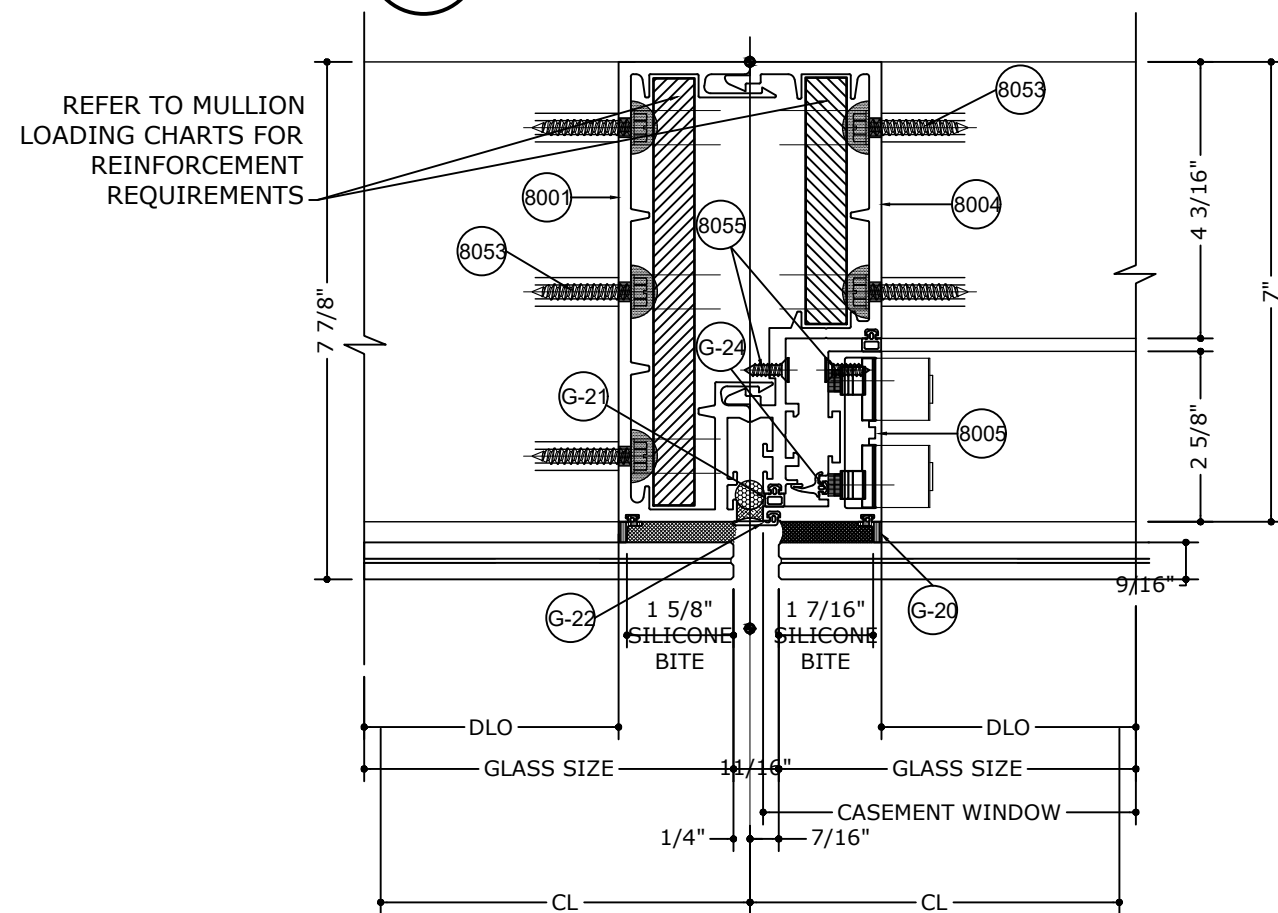
SCALE: NTS UNLESS NOTED



28 INTERMEDIATE @ CASEMENT HEAD
N.T.S

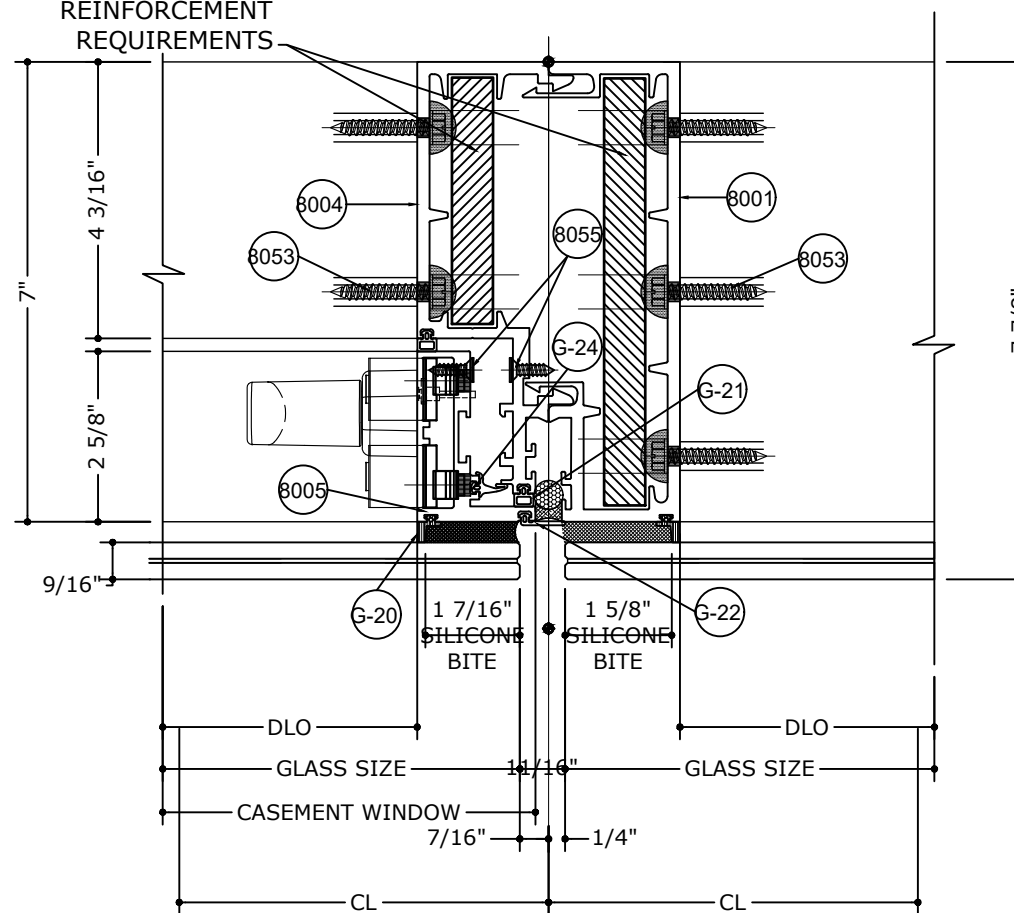


29 INTERMEDIATE @ CASEMENT HEAD
N.T.S

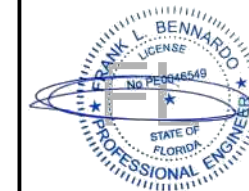


30 INTERMEDIATE @ CASEMENT HEAD
N.T.S

REFER TO MULLION
LOADING CHARTS FOR
REINFORCEMENT
REQUIREMENTS



31 INTERMEDIATE @ CASEMENT HEAD
N.T.S



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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

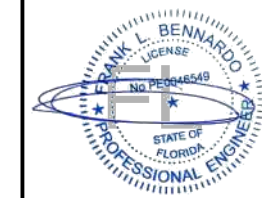
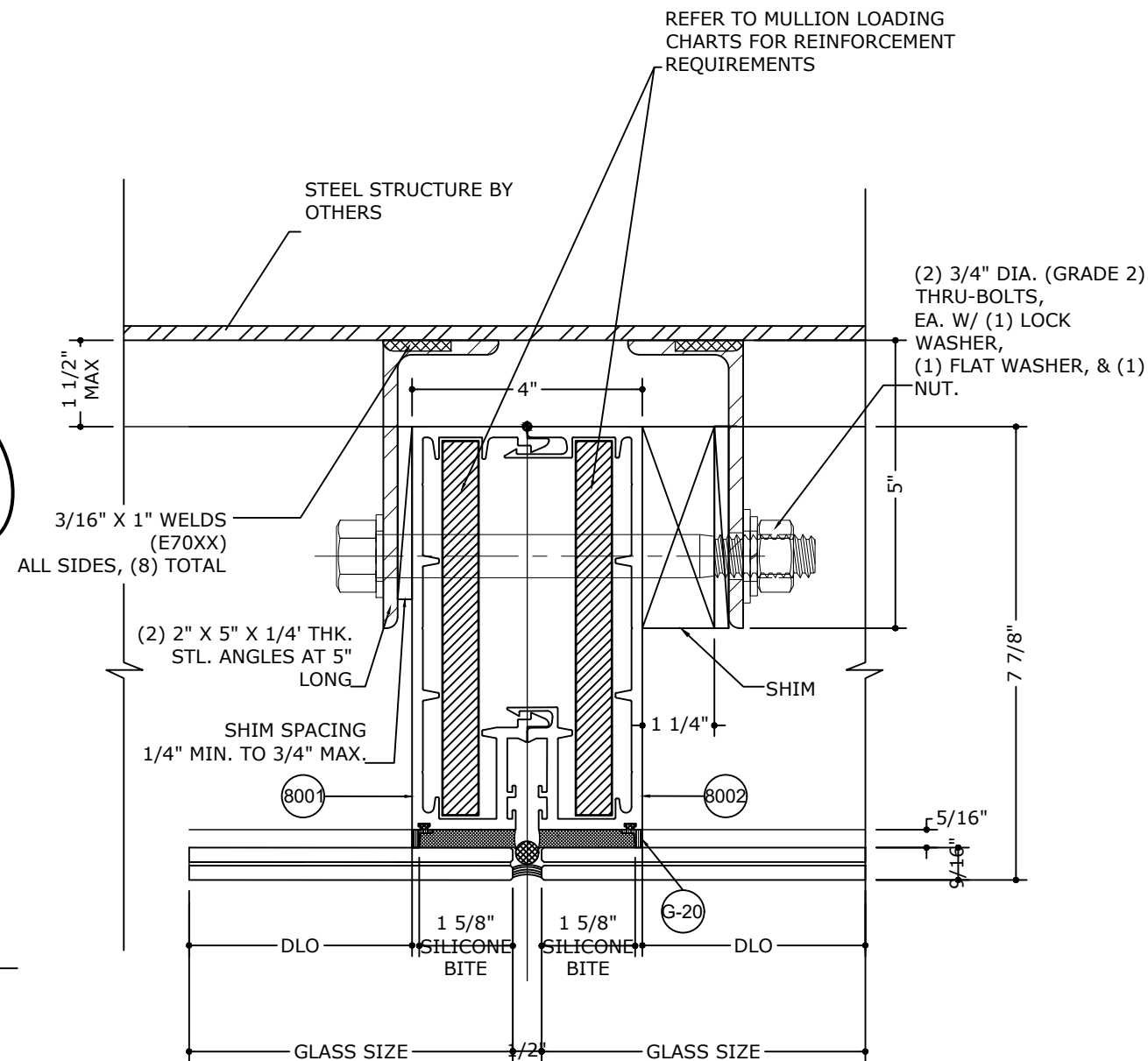
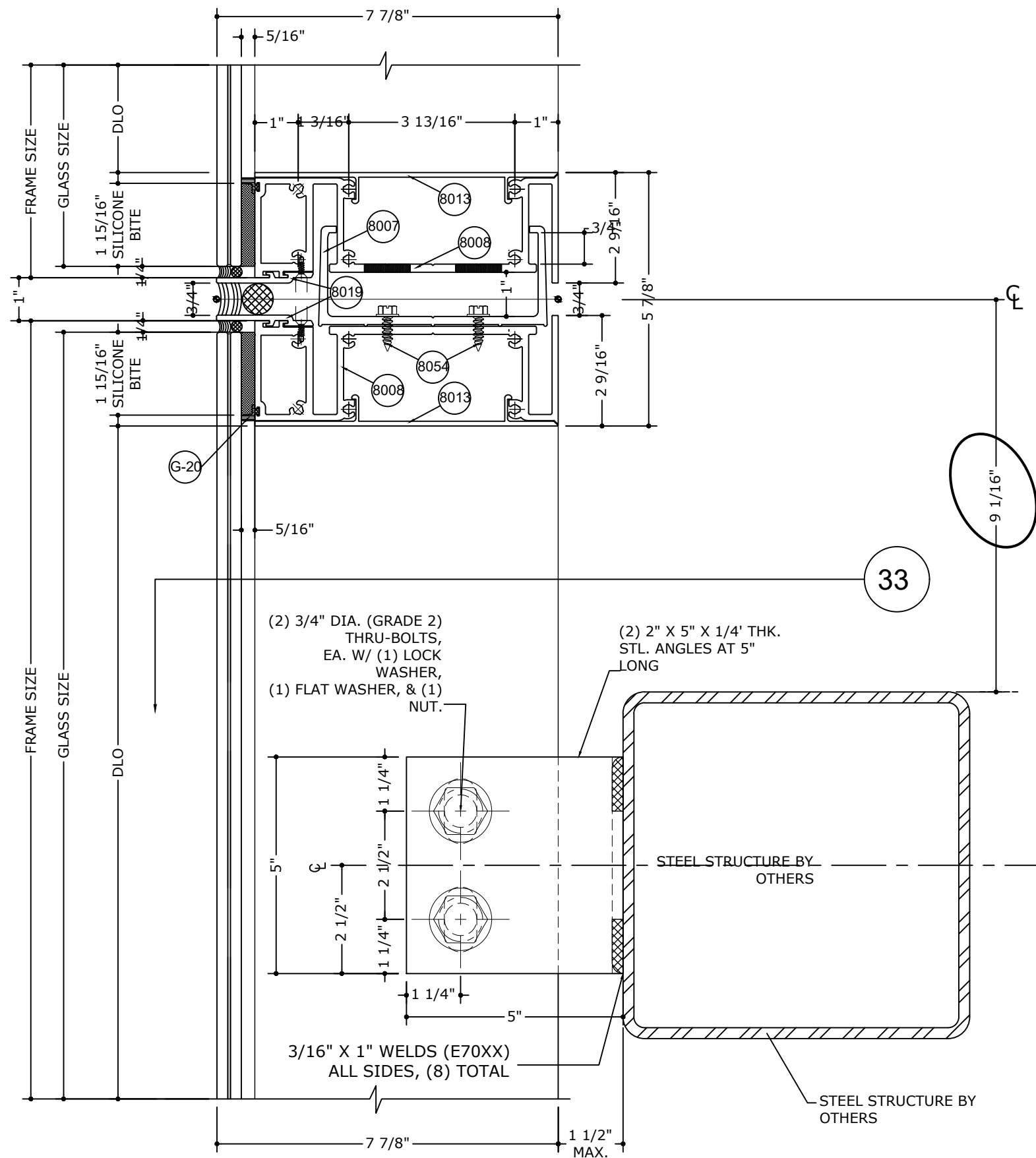
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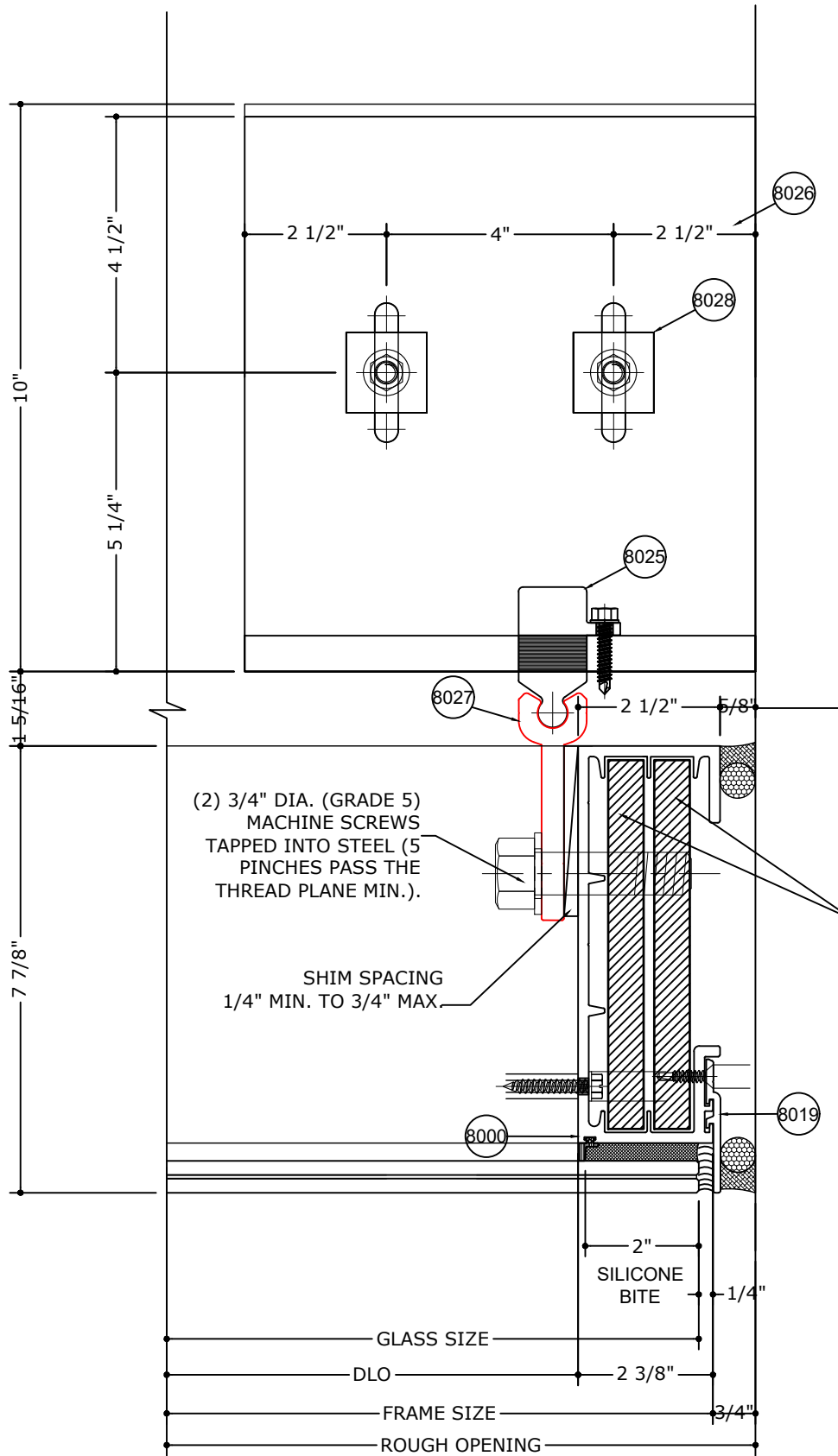
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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

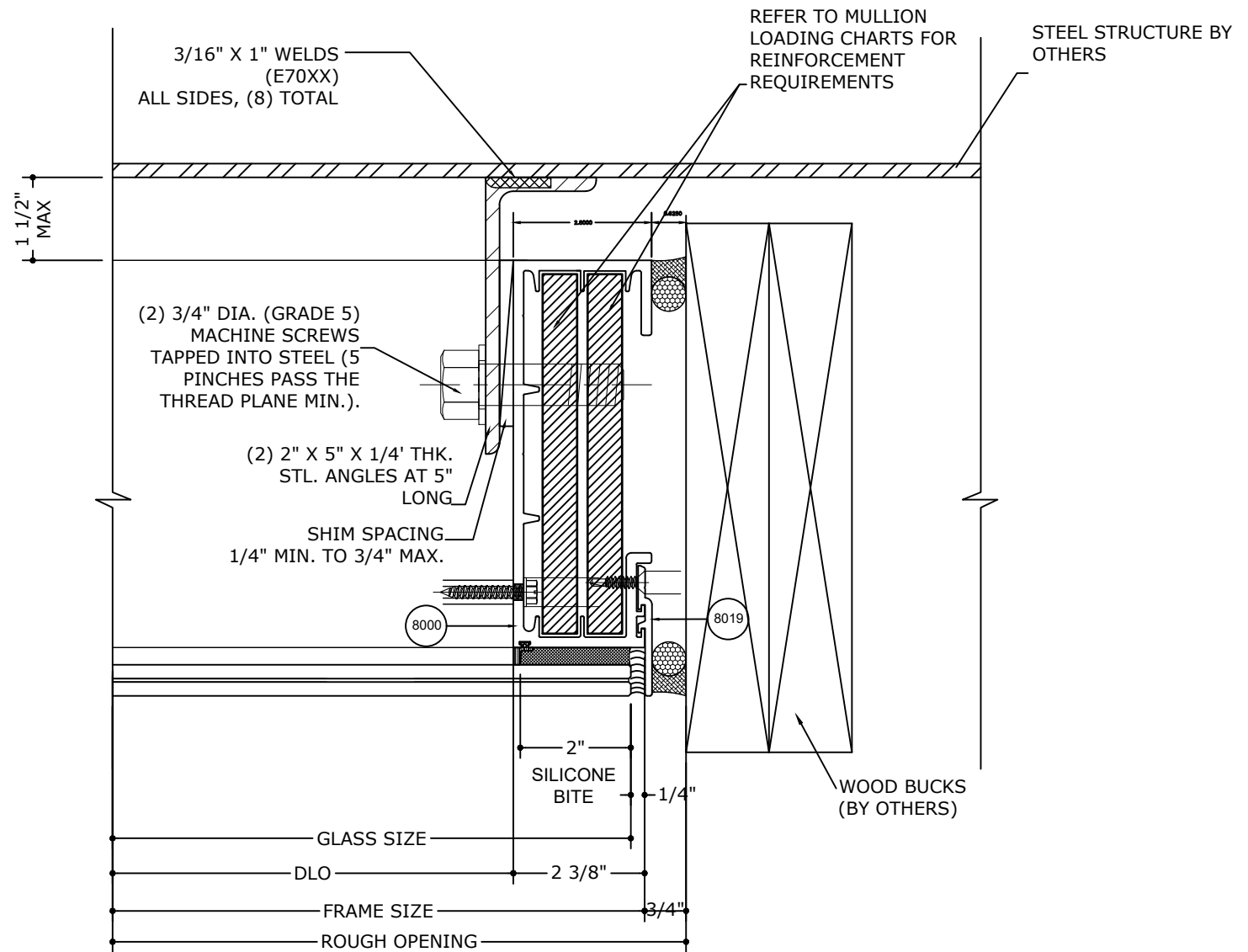
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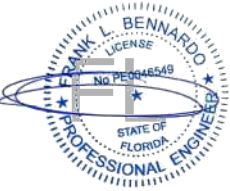
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34 MID ANCHOR AT JAMB
N.T.S



35 MID ANCHOR AT JAMB
N.T.S



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LARGE MISSILE IMPACT MISSILE LEVEL D

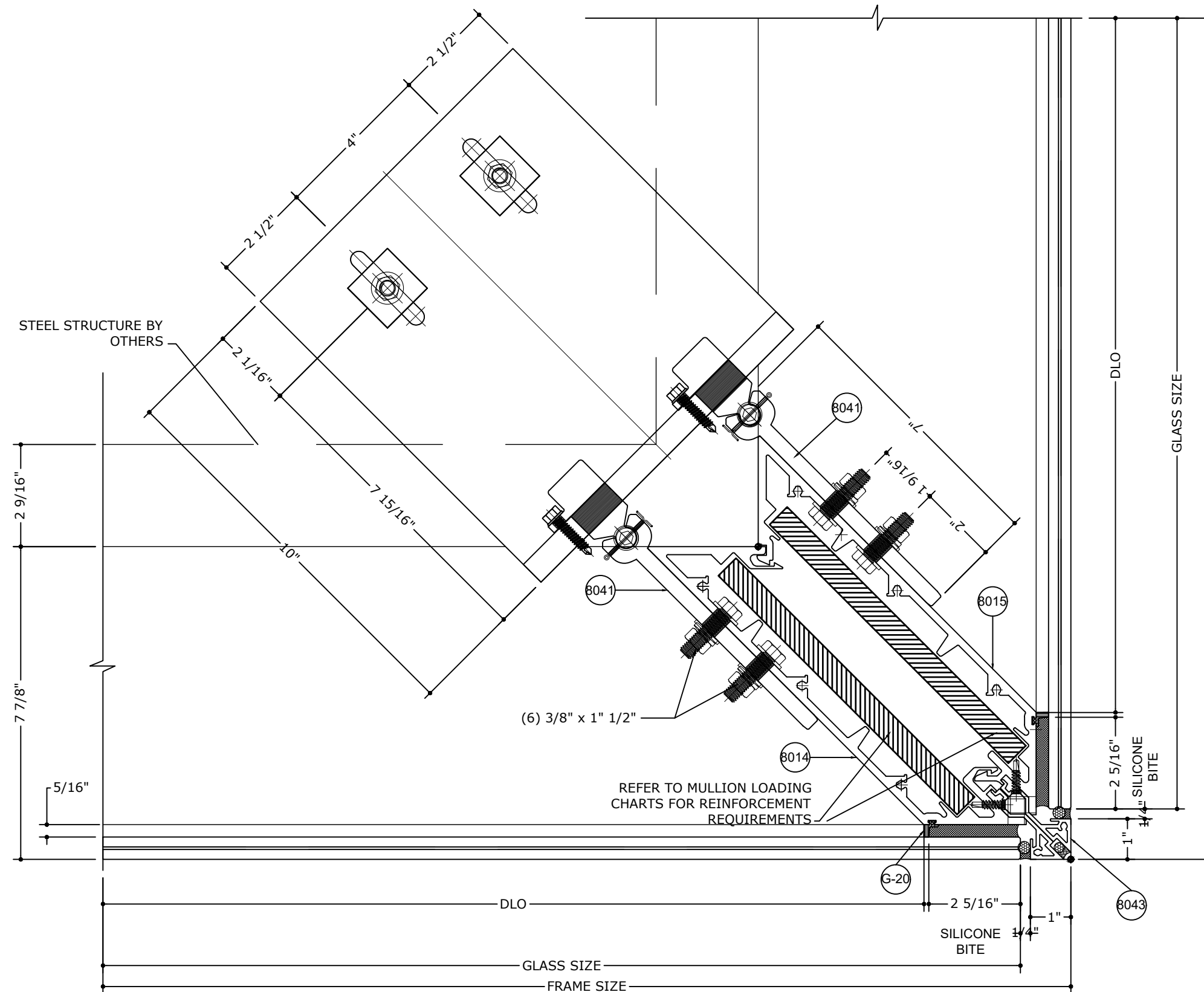
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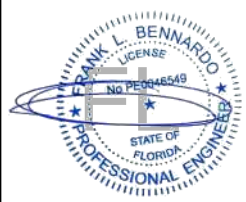
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36 MID ANCHOR AT OUTSIDE CORNER
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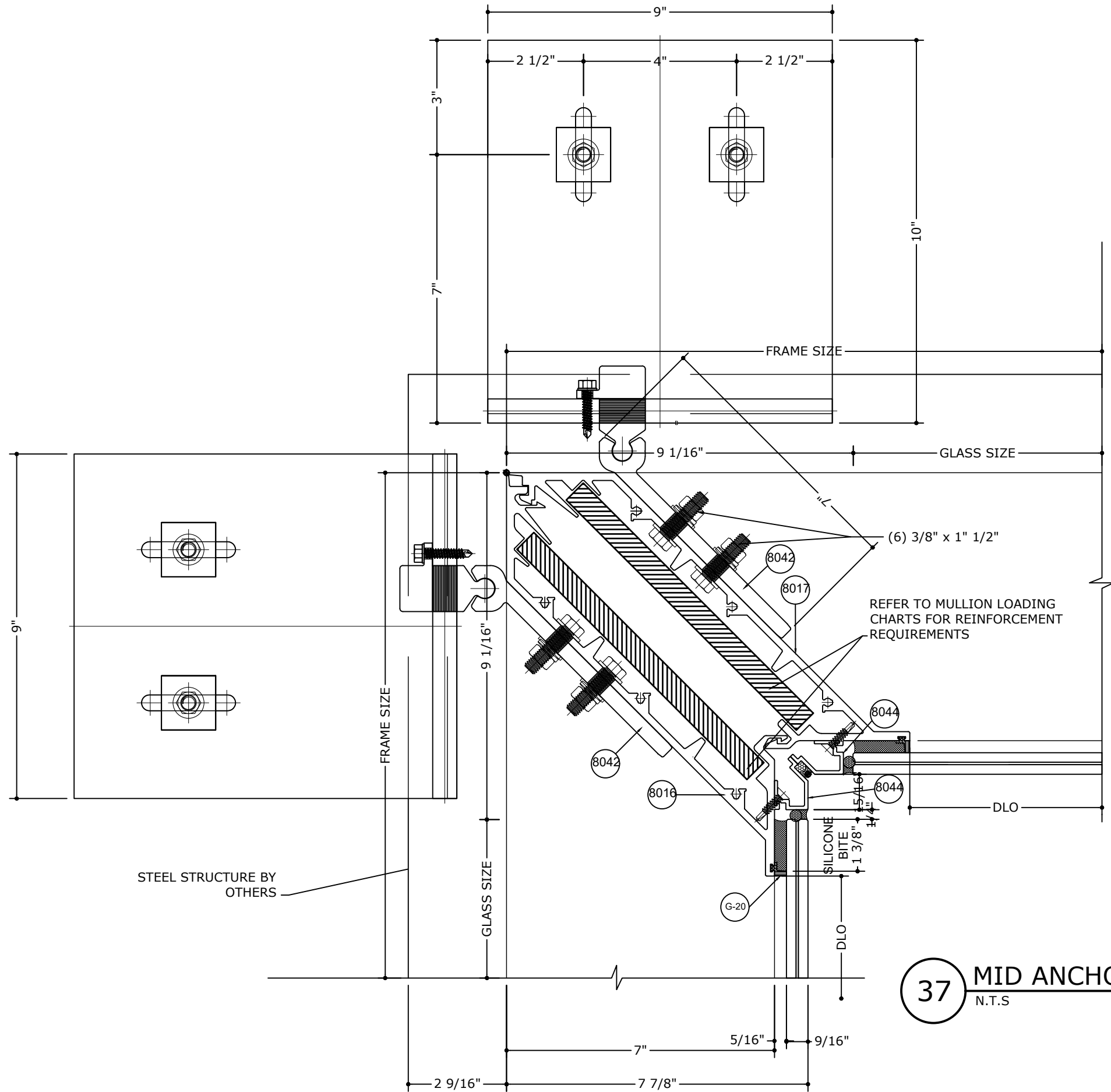
WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

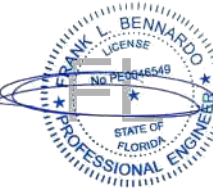
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37 MID ANCHOR AT OUTSIDE CORNER
N.T.S



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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

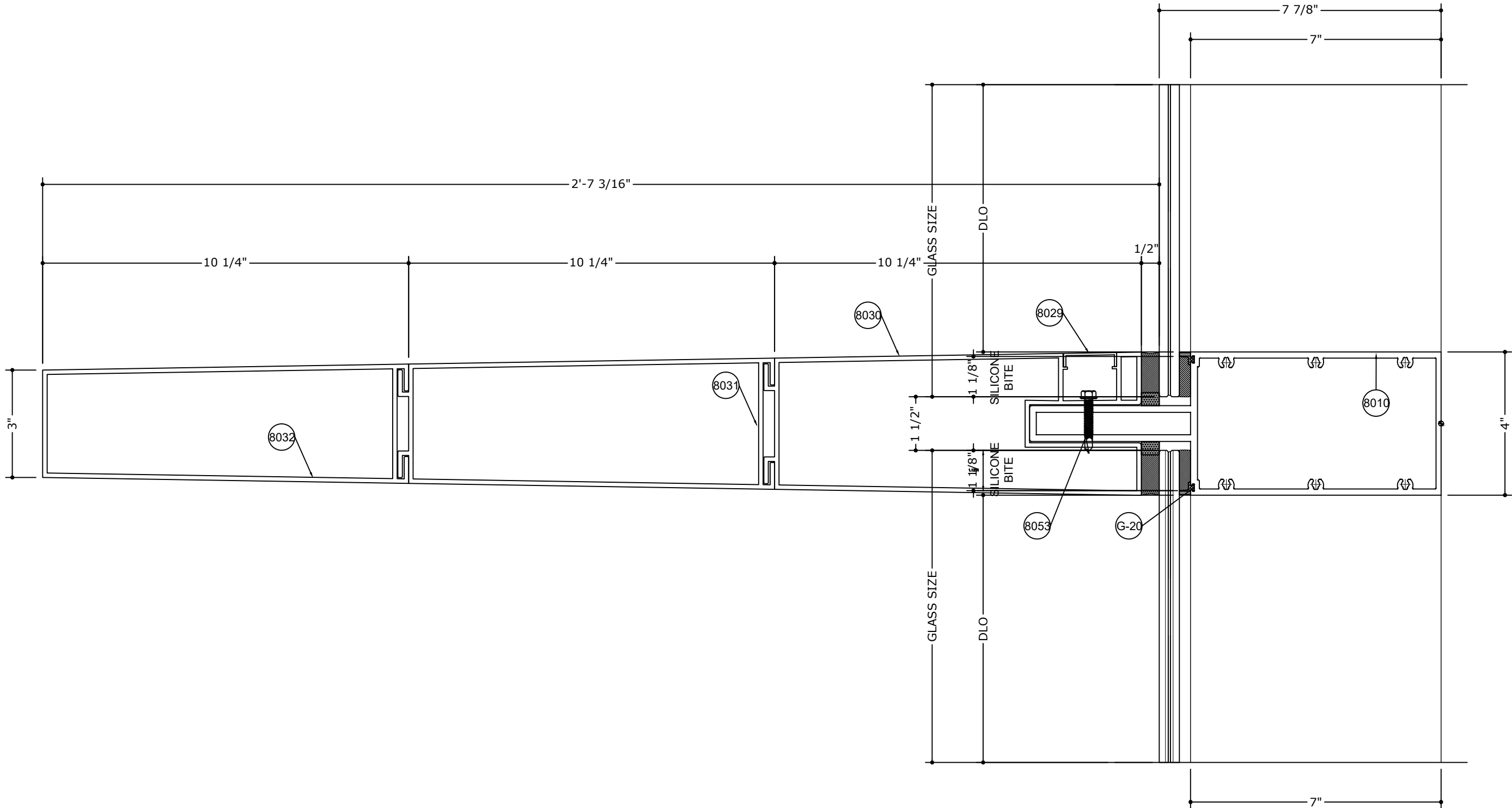
REMARKS	DRWN	CHKD	DATE
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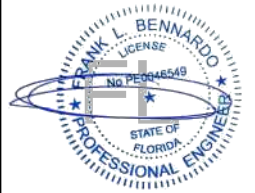
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38 FIN DETAIL
N.T.S



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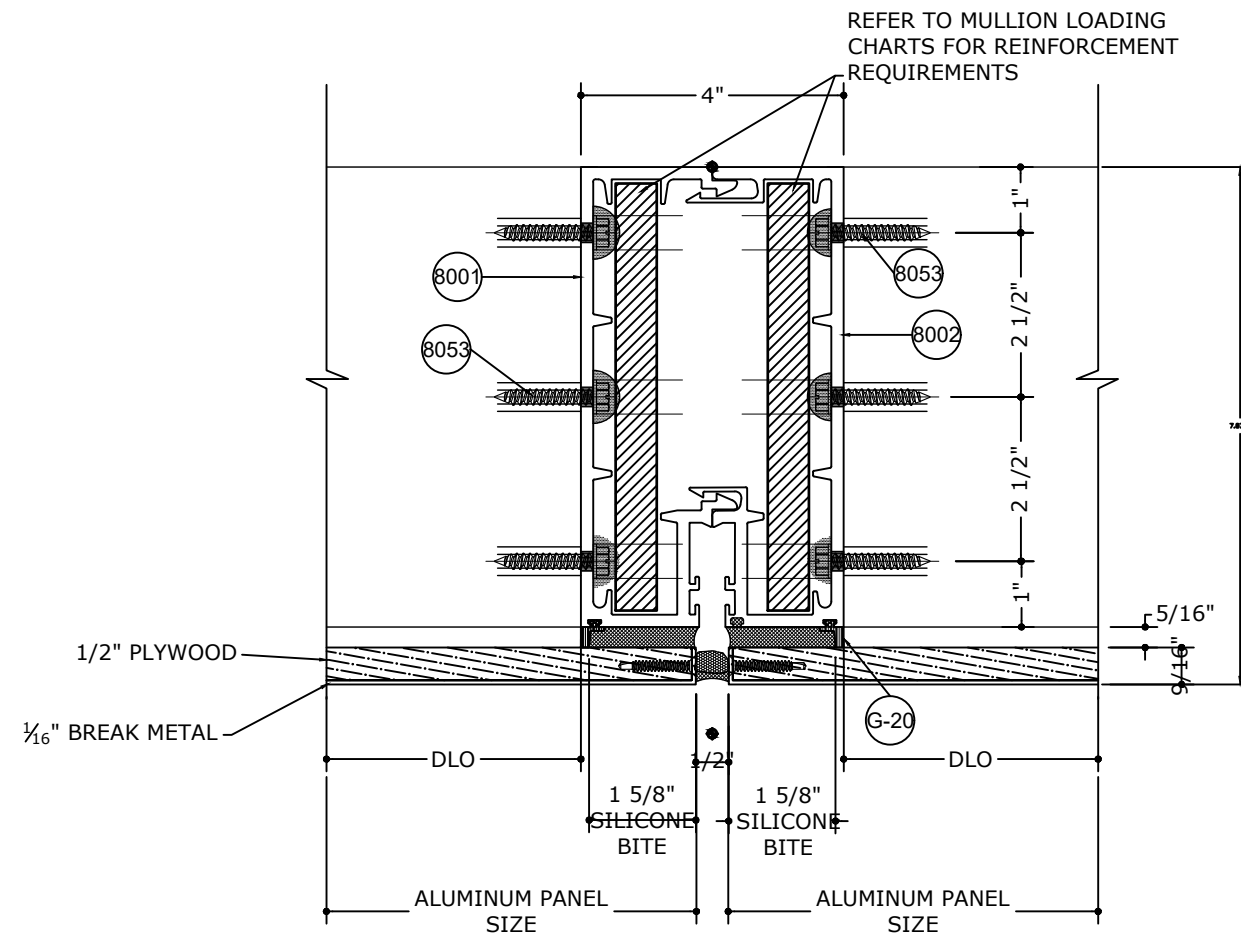
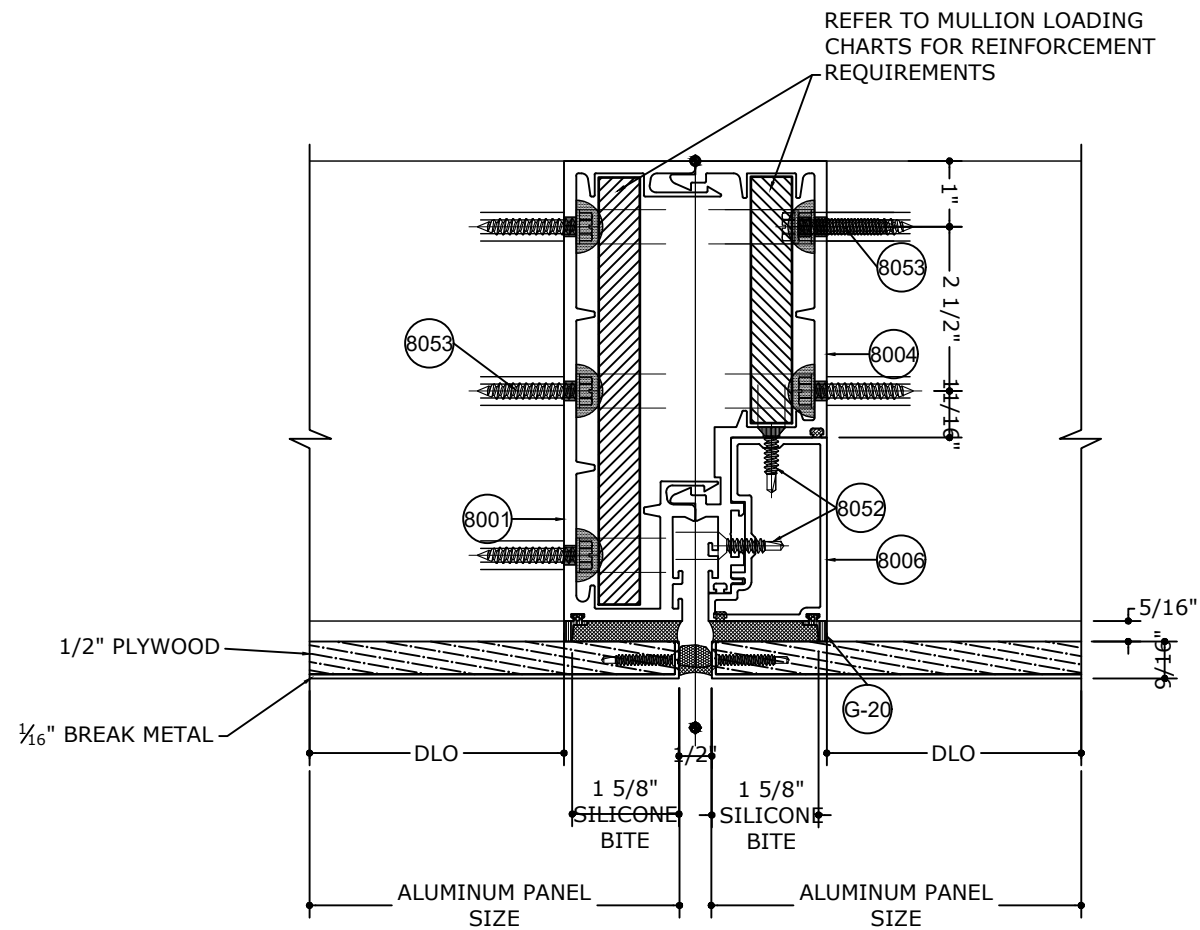
WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22
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	-	-	-

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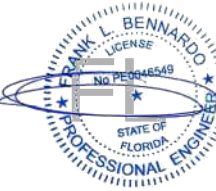
22-52826e

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39 INTERMEDIATE VERTICAL WITH FILLER ADAPTOR
N.T.S

40 ALUMINUM PANEL DETAIL
N.T.S



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LARGE MISSILE IMPACT LEVEL D

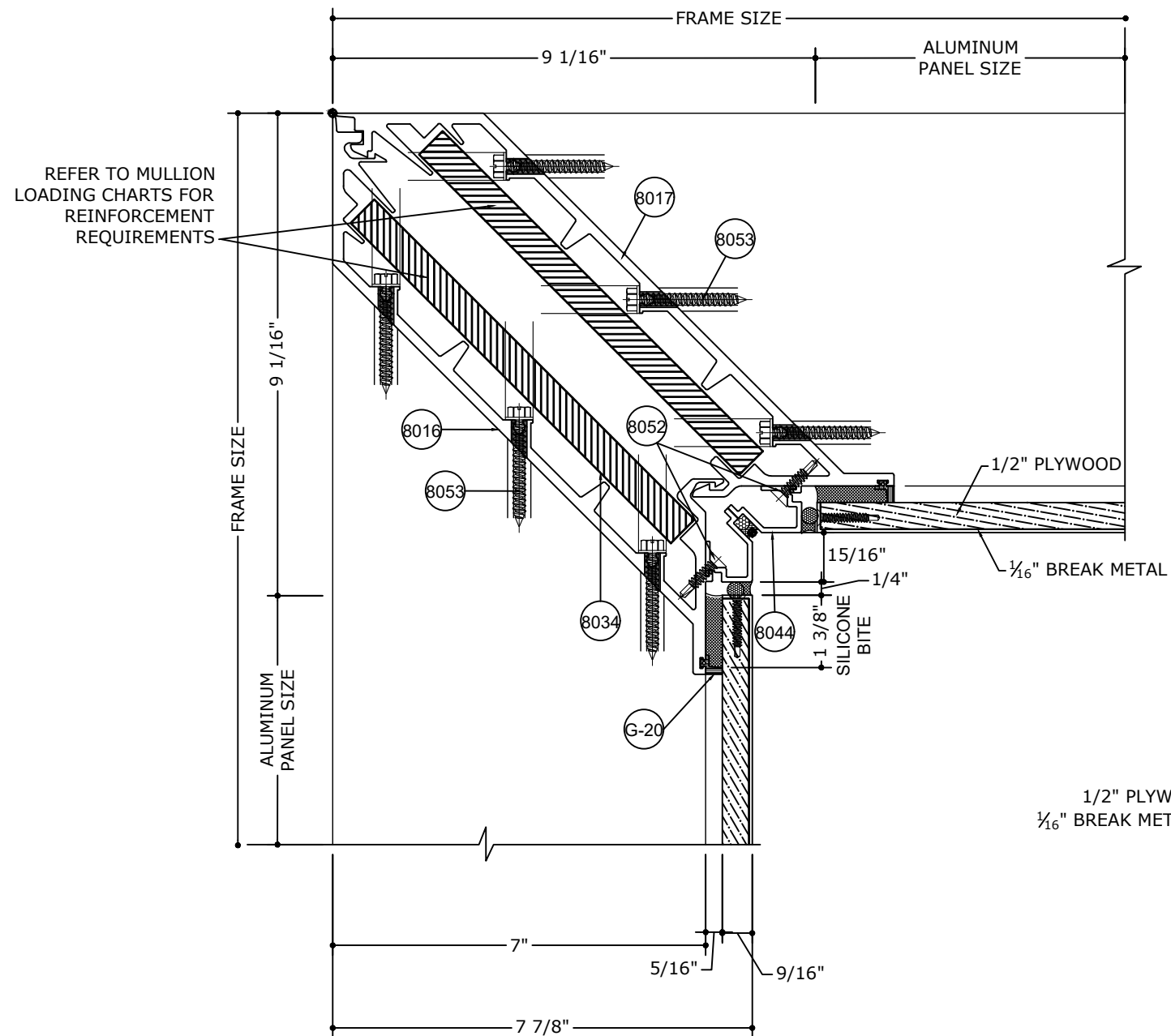
REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

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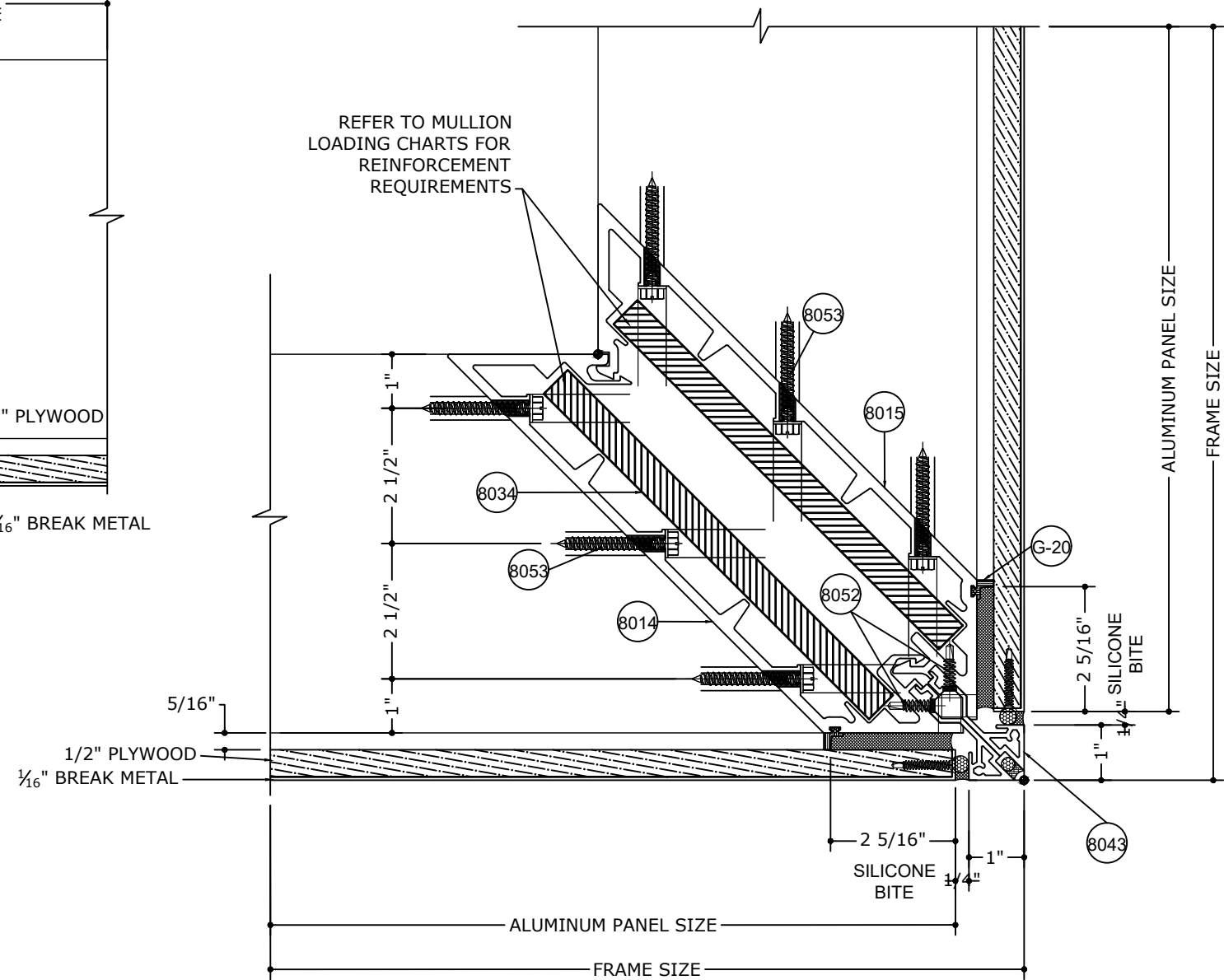
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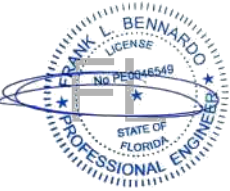
26 OF 64



41 INSIDE CORNER
N.T.S



42 OUTSIDE CORNER
N.T.S



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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

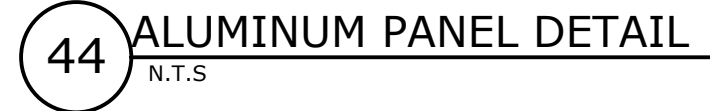
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GLASS LOADING TABLES (P.S.F.)

48 in		
HEIGHT		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	100	120
54	100	120
60	100	120
68	100	120
72	100	120
78	100	120
84	100	120
90	100	120
96	100	120
102	100	120
108	100	120
114	100	120
120	100	120
126	100	120
132	100	120
138	100	120
144	100	120
150	100	120
156	100	120
163	100	120
174	100	120
183	100	120
192	100	120
201	100	120

54 in		
HEIGHT		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	100	120
54	100	120
60	100	120
68	100	120
72	100	120
78	100	120
84	100	120
90	100	120
96	100	120
102	100	120
108	100	120
114	100	120
120	100	120
126	100	120
132	100	120
138	100	120
144	100	120
150	100	120
156	100	120
163	100	120
174	100	120

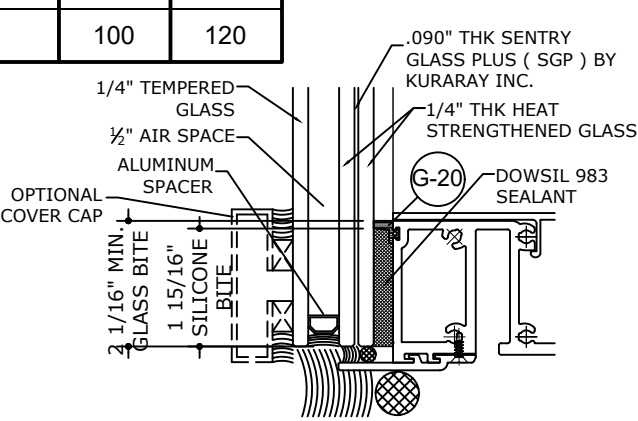
60 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	100	120
54	100	120
60	100	113
68	100	113
72	100	113
78	100	113
84	100	113
90	100	113
96	100	113
102	100	113
108	100	113
114	100	113
120	100	113
126	100	113
132	100	113
138	100	113
144	100	113
150	100	100
156	100	100
163	100	100

68in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	100	120
54	100	120
60	100	113
68	100	100
72	100	100
78	100	100
84	100	100
90	100	100
96	100	100
102	100	100
108	100	100
114	100	100
120	100	100
126	100	100
132	100	100
138	88	88

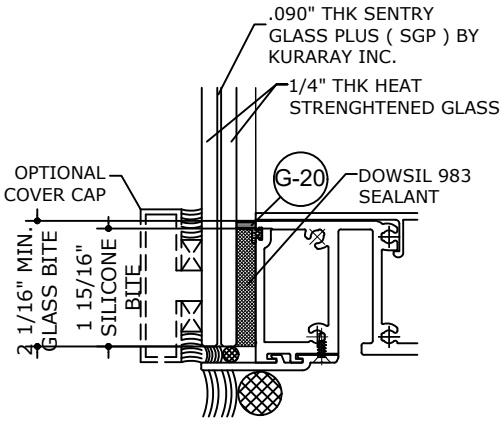
72 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	94	94
84	94	94
90	94	94
96	94	94
102	94	94
108	94	94
114	94	94
120	94	94
126	83	83
132	83	83

78 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	87	87
84	87	87
90	87	87
96	87	87
102	87	87
108	87	87
114	87	87
120	76	76

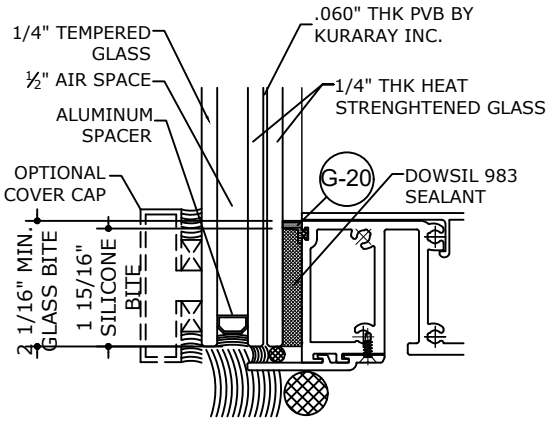
84 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	87	87
84	80	80
90	80	80
96	80	80
102	80	80
108	71	71
114	71	71



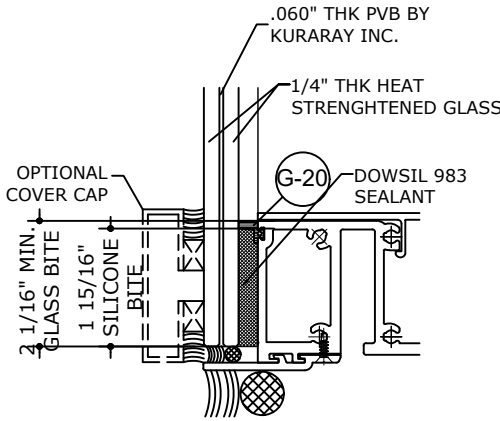
GLASS TYPE **A**
GLAZING DETAIL (LMI)
N.T.S.



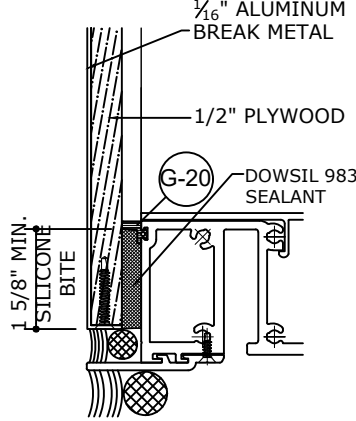
GLASS TYPE **B**
GLAZING DETAIL (LMI)
N.T.S.



GLASS TYPE **C**
GLAZING DETAIL (SMI)
N.T.S.



GLASS TYPE **D**
GLAZING DETAIL (SMI)
N.T.S.



PANEL TYPE **E**
GLAZING DETAIL (LMI & SMI)
N.T.S.
18.5 SQ. FT. MAX. PANEL SIZE

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

FL#41589.5

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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

DATE	06/13/22				
DRWN	CHKD	RS			
SQ					

REMARKS
INIT ISSUE

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GLASS LOADING TABLES (P.S.F.)

90 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	87	87
84	80	80
90	75	75
96	75	75
102	66	66
108	66	66

96 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	87	87
84	80	80
90	75	75
96	62	62

102 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	87	87
84	80	80
90	66	66

108 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	87	87
84	71	71
90	66	66

114 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	87	87
84	71	71

120 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	94	94
78	76	76

126 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	83	83

132 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	113
68	100	100
72	83	83

138 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	110
60	100	100
68	88	88

144 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	100

150 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	100

156 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	100

163 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120
60	100	100

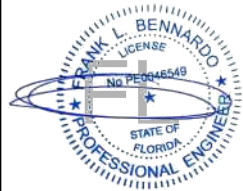
174 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120
54	100	120

183 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120

192 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120

201 in.		
HEIGHT		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
48	100	120

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5



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1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

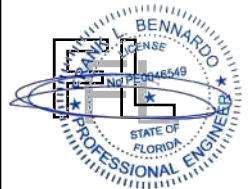
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SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

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PE# 0046549 CA# 9885



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(646) 618-1682

8000 SERIES ALUMINUM CURTAIN WALL
MISSILE LEVEL D
FLORIDA STATE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22
			-
			-
			-
			-

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54 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

60 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

66 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

72 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

78 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

84 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

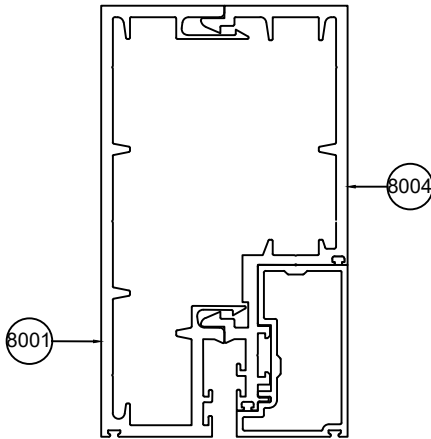
90 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

96 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

102 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

108 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120

NON REINFORCED MULLIONS



TYPE "A"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

114 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	119

120 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	118

126 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	119
60	100	111

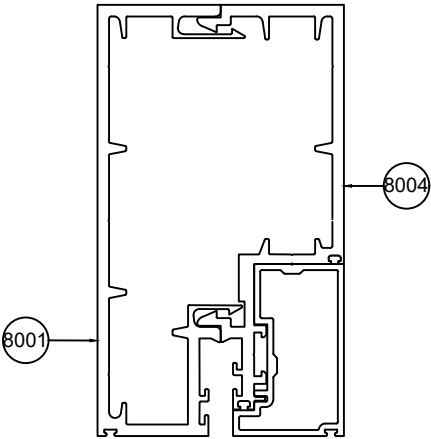
132 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	116
54	100	112

138 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	116
52	100	109
54	100	106

144 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	111
52	100	104

149 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	118
48	100	106
52	100	100

NON REINFORCED MULLIONS

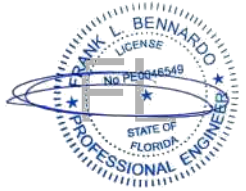


TYPE "A"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

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WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22
	-	-	-
	-	-	-
	-	-	-

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NON-REINFORCED MULTI SPAN - MULLION LOADING TABLES (P.S.F.)

78 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

84 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

90 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

96 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

102 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

108 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

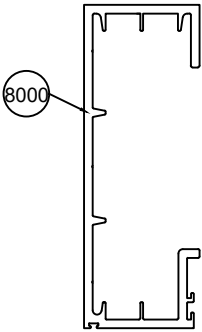
114 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

120 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

126 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

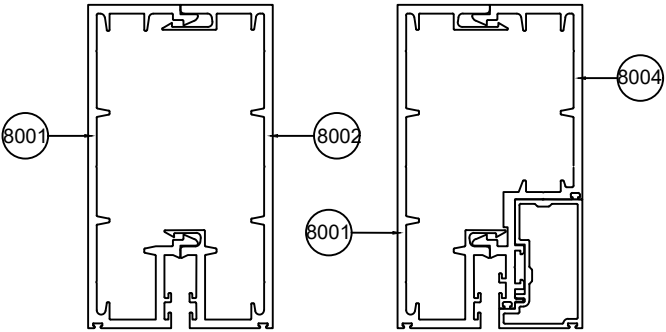
132 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

NON REINFORCED JAMB



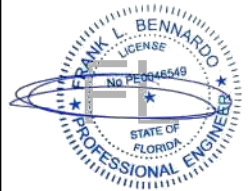
JAMB TRIBUTARY WIDTH
W = W1

NON REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH
 $W = \frac{W1}{2} + \frac{W2}{2}$

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PE# 0046549 CA# 9885



FL#41589.5

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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS

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NON-REINFORCED MULTI SPAN - MULLION LOADING TABLES (P.S.F.)

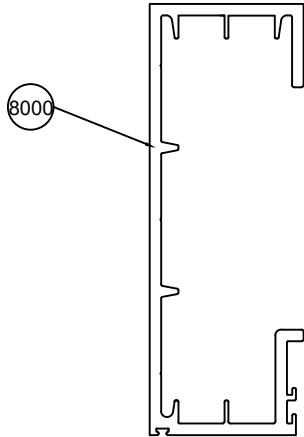
138 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

144 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

150 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90
72	83	83

156 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90

NON REINFORCED JAMB



JAMB TRIBUTARY WIDTH
W = W1

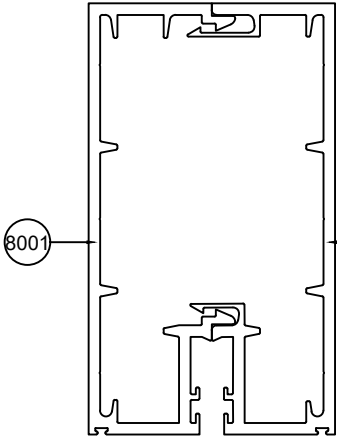
162 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100
66	90	90

168 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100

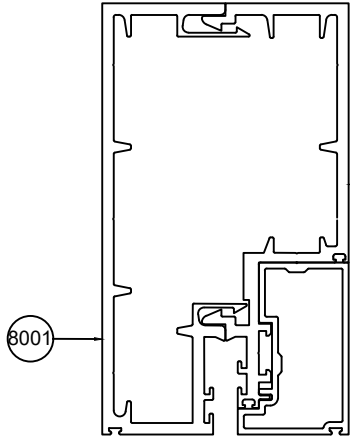
174 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	111
60	100	100

180 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	110
60	100	100

NON REINFORCED MULLIONS



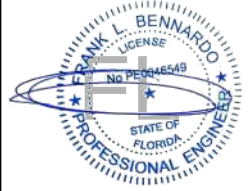
TYPE "A"



TYPE "B"

MULLION TRIBUTARY WIDTH
 $W = \frac{W1}{2} + \frac{W2}{2}$

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PE# 0046549 CA# 9885



FL#41589.5

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(646) 618-1682

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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS

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OF 64

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

54 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

60 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

66 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

72 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

78 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

84 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

90 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

96 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

102 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

108 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

114 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	119
72	100	113

120 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	118
66	100	111
72	100	105

126 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	119
60	100	111
66	100	104
72	98	98

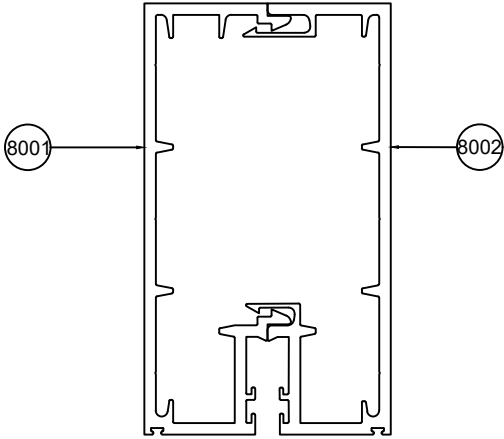
132 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	116
54	100	112
60	100	104
66	97	97
72	92	92

138 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	116
52	100	109
54	100	106
60	98	98
66	92	92
72	87	87

144 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	111
52	100	104
54	100	101
60	93	93
66	87	87
72	80	80

149 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	118
48	100	106
52	100	100
54	96	96
60	87	87
66	80	80
72	75	75

NON REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

FL#41589.5

POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 # 219
DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

DATE
06/13/22

DRWN
SQ

CHKD
RS

REMARKS
INIT ISSUE

OF
64

22-52826e

SCALE: NTS UNLESS NOTED

35

NON-REINFORCED MULTI SPAN - MULLION LOADING TABLES (P.S.F.)

78 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

84 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

90 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

96 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

102 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

108 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

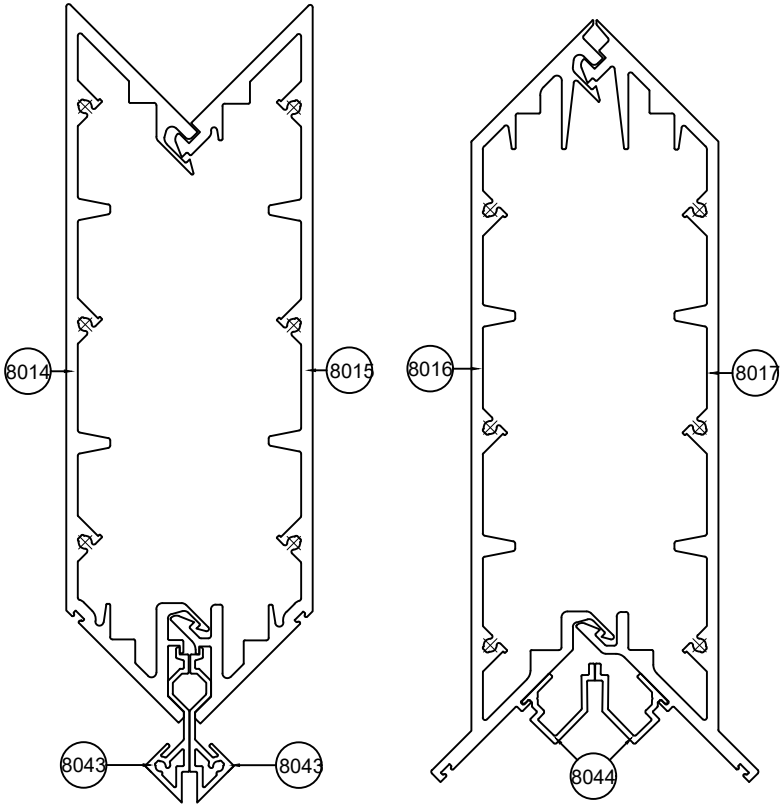
114 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

120 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

126 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

132 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

NON REINFORCED MULLIONS



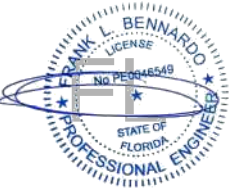
TYPE "A"

TYPE "B"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5



POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 #219
DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS

INIT ISSUE

DATE 06/13/22

DRWN CHKD

SQ RS

22-52826e

SCALE: NTS UNLESS NOTED

36

OF 64

NON-REINFORCED MULTI SPAN - MULLION LOADING TABLES (P.S.F.)

138 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

144 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

150 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

150 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

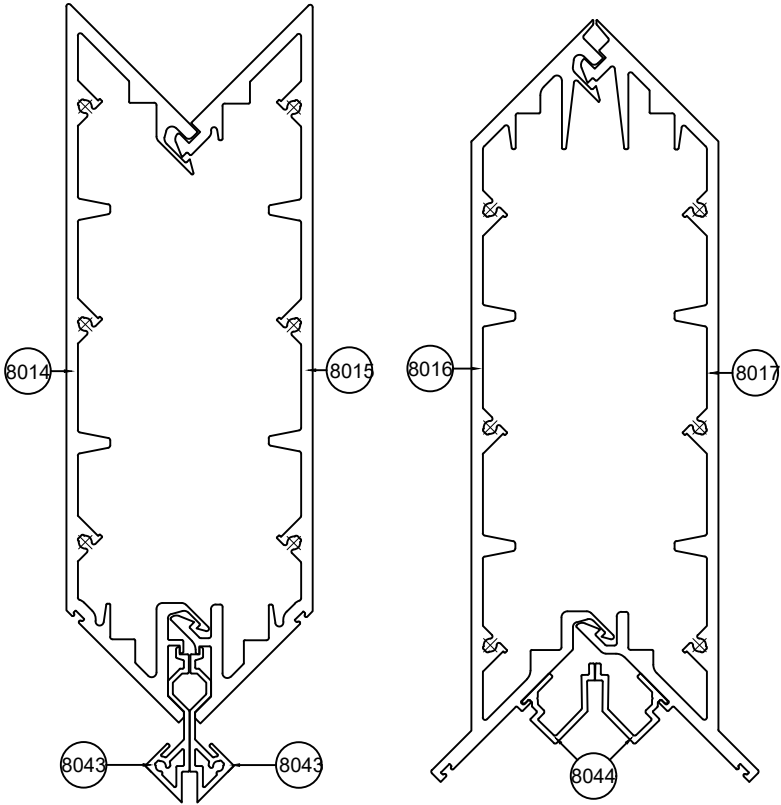
156 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

162 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100
72	91	91

168 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100

174 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	110
66	100	100

180 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	100	120
30	100	120
36	100	120
42	100	120
48	100	120
54	100	120
60	100	109
66	100	100



TYPE "A"

TYPE "B"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

FL#41589.5

POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 #219
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GLOBAL IMPACT PRODUCTS, LLC
1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682
WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

22-52826e

SCALE: NTS UNLESS NOTED

37

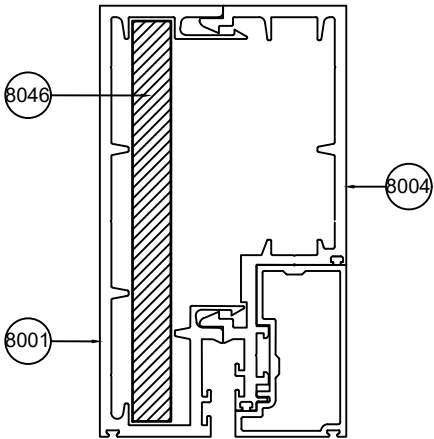
OF 64

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

54 in			60 in			66 in			72 in			78 in			84 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120

90 in			96 in			102 in			108 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120
66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120

ALUMINUM REINFORCED MULLIONS



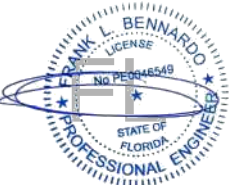
TYPE "A"

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW 1/4" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5



ENGINEERING
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POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 #219
DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

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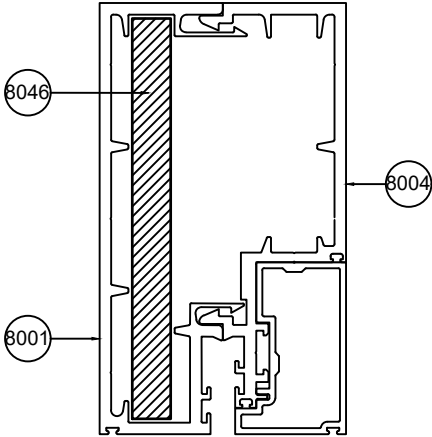
SCALE: NTS UNLESS NOTED

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

114 in			120 in			126 in			132 in			138 in			144 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	116
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	107
66	100	120	66	100	120	66	100	120	66	100	120	60	100	113			
72	100	120	72	100	120				66	100	113						

149 in			156 in			162 in			168 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	119
48	100	120	48	100	116	48	100	111	48	100	106
52	100	115	52	100	109	52	100	104	52	100	100
54	100	112	54	100	106						

ALUMINUM REINFORCED MULLIONS



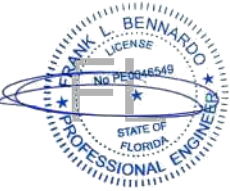
TYPE "A"

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5



POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 #219
DELRAY BEACH, FL 33444
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GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

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SCALE: NTS UNLESS NOTED

39 OF 64

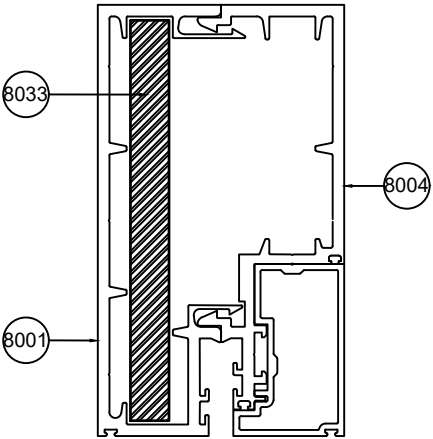
SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

54 in			60 in			66 in			72 in			78 in			84 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120

90 in			96 in			102 in			108 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

STEEL REINFORCED MULLIONS

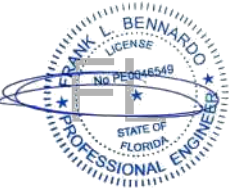


TYPE "A"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5



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GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

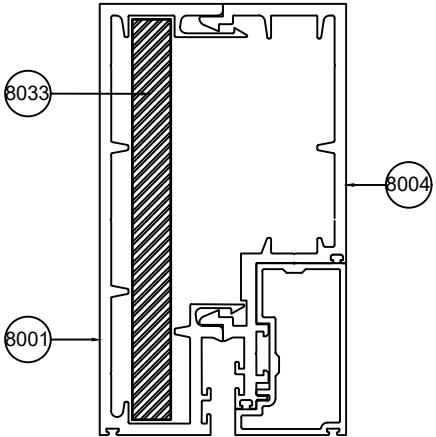
SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

114 in			120 in			126 in			132 in			138 in			144 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	118
72	100	120	72	100	120	72	100	120	72	100	120	72	100	118	72	100	111

149 in			156 in			162 in			168 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	117
54	100	120	54	100	120	54	100	119	54	100	114
60	100	120	60	100	115	60	100	109	60	100	105
64	100	116	64	100	109	64	100	104	64	100	100
66	100	113	66	100	107	66	100	102			
72	100	106									

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

STEEL REINFORCED MULLIONS

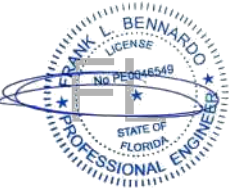


TYPE "A"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5



POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 #219
DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS

INIT ISSUE

DATE

06/13/22

DRWN

CHKD

SQ

RS

22-52826e

SCALE: NTS UNLESS NOTED

41

OF 64

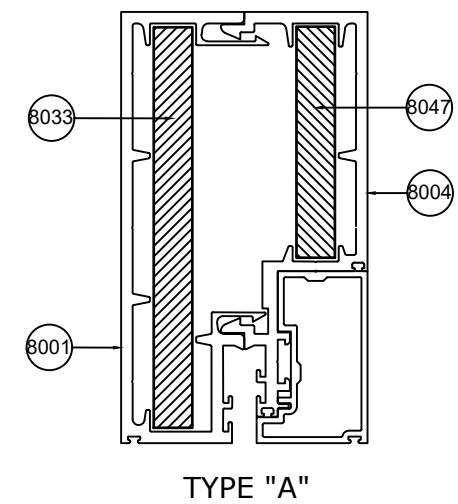
SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

66 in			72 in			78 in.			84 in.			90 in			96 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120

102 in.			108 in.			114 in			120 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

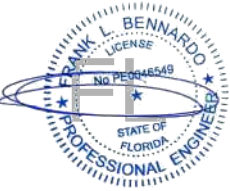
STEEL REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5



POSTAL ADDRESS:
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DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DATE	DRWN	CHKD	SQ	RS				
INIT ISSUE	06/13/22								

22-52826e

SCALE: NTS UNLESS NOTED

42

OF 64

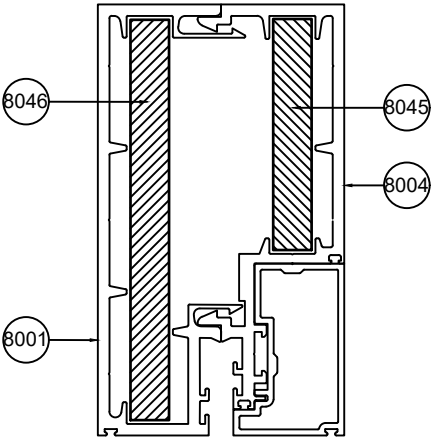
SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

126 in			132 in.			138 in.			144 in.			150 in.			156 in.			162 in.		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	116	48	100	111
52	100	120	52	100	120	52	100	120	52	100	119	52	100	114	52	100	108	52	100	104
54	100	120	54	100	120	54	100	120	54	100	116	54	100	110	54	100	105	54	100	100
60	100	120	60	100	120	60	100	113	60	100	107	60	100	102	60	97	97	60	92	92
64	100	120	64	100	114	64	100	108	64	100	102	64	97	97	64	92	92	64	88	88
66	100	119	66	100	112	66	100	106	66	100	100	66	95	95	66	90	90	66	86	86
72	100	113	72	100	106	72	100	100	72	94	94	72	89	89	72	85	85	72	81	81

168 in			174 in			180 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120
42	100	119	42	100	114	42	100	110
48	100	106	48	100	102	48	98	98
52	99	99	52	95	95	52	90	90
54	96	96	54	92	92	54	87	87
60	88	88	60	85	85	60	79	79
64	84	84	64	80	80	64	74	74
66	82	82	66	78	78	66	72	72
72	77	77	72	72	72	72	67	67

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

ALUMINUM REINFORCED MULLIONS

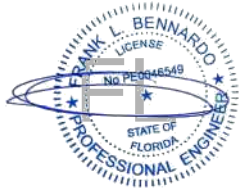


TYPE "A"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5



POSTAL ADDRESS:
401 W. ATLANTIC AVE R10 #219
DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DATE	06/13/22				
	DRWN	CHKD	RS			
	SQ					
	INIT	ISSUE				

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43

OF 64

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

66 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

72 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

78 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

84 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

90 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

96 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

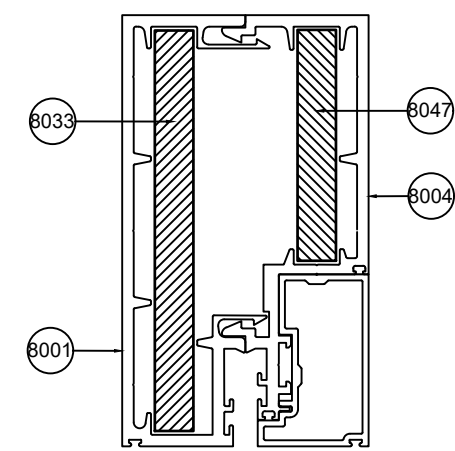
102 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

108 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

114 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

120 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120

STEEL REINFORCED MULLIONS



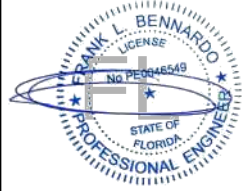
TYPE "A"

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5

ENGINEERING
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POSTAL ADDRESS:
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DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPAHO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS

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SCALE: NTS UNLESS NOTED

44

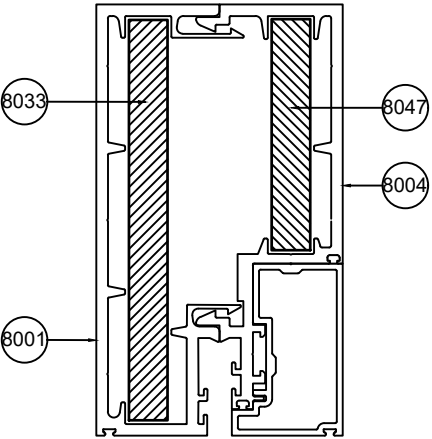
OF 64

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

126 in			132 in.			138 in.			144 in.			150 in.			156 in.			162 in.		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120

168 in			174 in.			180 in.			186 in.			192 in.		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	54	100	120	54	100	120
54	100	120	54	100	120	54	100	120	60	100	120	60	100	115
60	100	120	60	100	120	60	100	120	66	100	111	66	100	107
64	100	120	66	100	120	66	100	115	72	100	104	72	100	100
66	100	120												
72	100	118	72	100	113	72	100	108						

STEEL REINFORCED MULLIONS



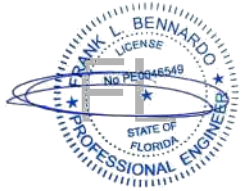
TYPE "A"

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5



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DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

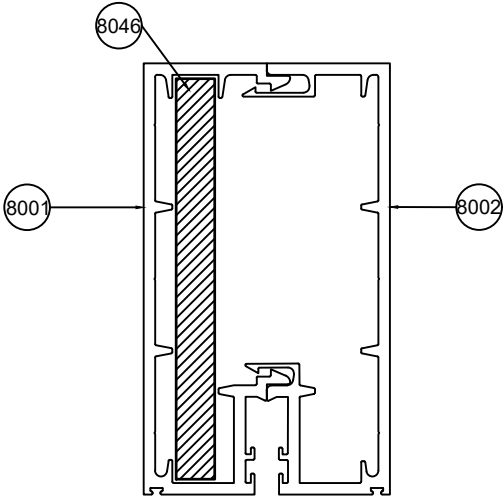
REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

54 in			60 in			66 in			72 in			78 in			84 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120

90 in			96 in			102 in			108 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120
66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120

ALUMINUM REINFORCED MULLIONS



NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885

FL#41589.5

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(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DATE
INIT ISSUE	06/13/22
DRWN	
CHKD	
SQ	
RS	

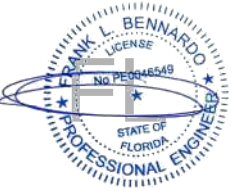
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SCALE: NTS UNLESS NOTED

46 OF 64

RANK BENNARDO, PE
E# 0046549 CA# 9885



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DELRAY BEACH, FL 33444
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GLOBAL IMPACT PRODUCTS, LLC	
1963 W McNAB RD POMPANO BEACH, FL 33069 (646) 618-1682	
WINDOW WALL SYSTEM - FL# 41589.5 8000 SERIES WINDOW WALL LARGE MISSILE IMPACT MISSILE LEVEL D	

114 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

120 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	120

126 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	120
72	100	113

132 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
66	100	113
72	100	106

138 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	113
66	100	106
72	100	100

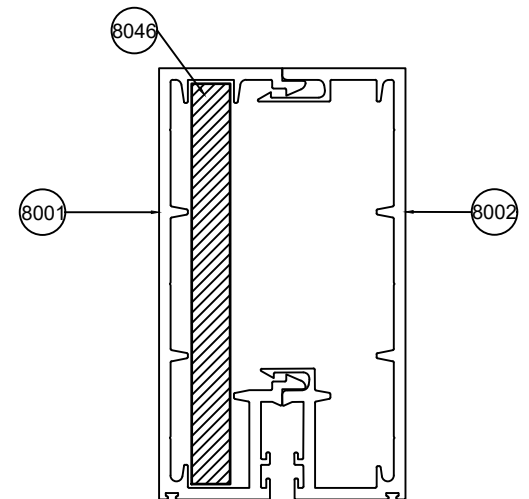
144 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	116
60	100	107
66	100	100
72	94	94

149 in		
SPAN LENGTH		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
36	100	120
42	100	120
48	100	120
52	100	115
54	100	112
60	100	103
66	96	96
72	90	90

156 in		
SPAN LENGTH		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
36	100	120
42	100	120
48	100	116
52	100	109
54	100	106
60	97	97
66	90	90
72	85	85

162 in		
SPAN LENGTH		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
36	100	120
42	100	120
48	100	111
52	100	104
54	100	101
60	93	93
66	86	86
72	80	80

168 in		
SPAN LENGTH		
<i>WIDTH (in.)</i>	<i>(+) P.S.F</i>	<i>(-) P.S.F</i>
36	100	120
42	100	119
48	100	106
52	100	100
54	96	96
60	87	87
66	80	80
72	74	74



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	06/13/22	SQ	RS
-		-	-
-		-	-
-		-	-
-		-	-

SCALE: NTS UNLESS NOTED

	OF 64
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47

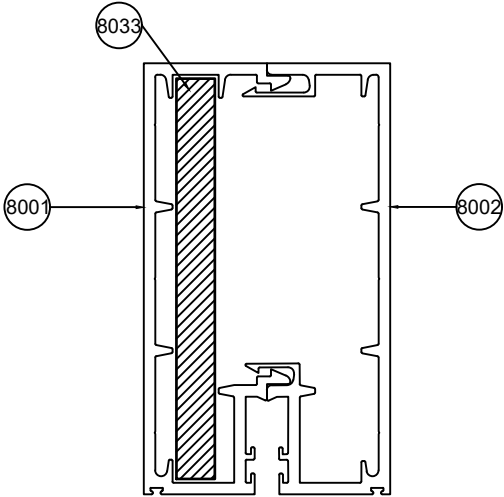
SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

54 in			60 in			66 in			72 in			78 in			84 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120

90 in			96 in			102 in			108 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

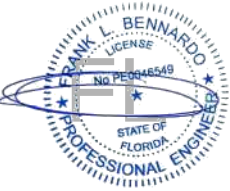
STEEL REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5



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GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPAHO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS
INIT ISSUE

DRWN
SQ

CHKD
RS

DATE
06/13/22

OF
64

22-52826e

SCALE: NTS UNLESS NOTED

48

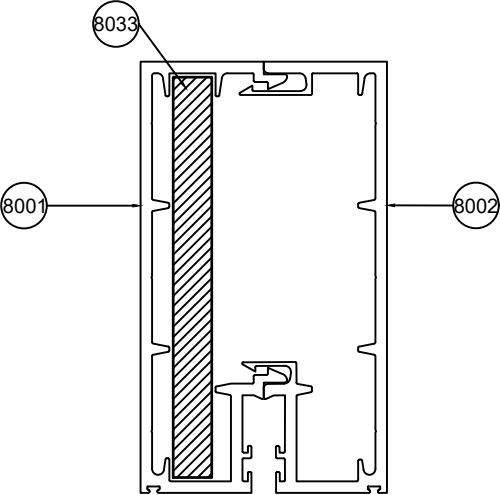
SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

114 in			120 in			126 in			132 in			138 in			144 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	118
72	100	120	72	100	120	72	100	120	72	100	120	72	100	118	72	100	111

149 in			156 in			162 in			168 in		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	117
54	100	120	54	100	120	54	100	119	54	100	114
60	100	120	60	100	115	60	100	109	60	100	105
64	100	116	64	100	109	64	100	104	64	100	100
66	100	113	66	100	107	66	100	102	66	97	97
72	100	106	72	100	100	72	95	95	72	90	90

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

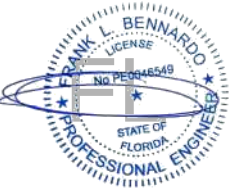
STEEL REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5

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GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DATE
INIT ISSUE	06/13/22
DRWN	
CHKD	
RS	
SQ	

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SCALE: NTS UNLESS NOTED

49 OF 64

SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

66 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

72 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

78 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

84 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

90 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

96 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

102 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

108 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

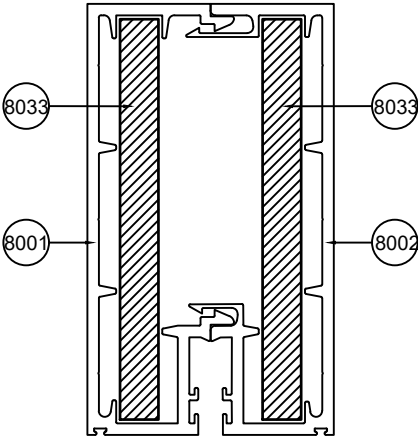
114 in		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

120 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

126 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

132 in.		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120
42	100	120
48	100	120
52	100	120
54	100	120
60	100	120
64	100	120
66	100	120
72	100	120
78	100	120
82	100	120

STEEL REINFORCED MULLIONS



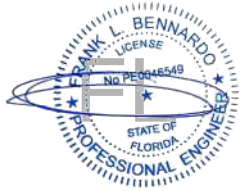
TYPE "A"

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5



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DELRAY BEACH, FL 33444
ENGINEERINGEXPRESS.COM

GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS

INIT

ISSUE

DATE

06/13/22

DRWN

CHKD

SQ

RS

22-52826e

SCALE: NTS UNLESS NOTED

50

OF 64

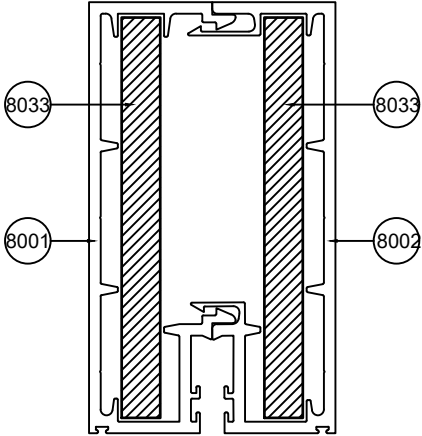
SINGLE SPAN MULLION LOADING TABLES (P.S.F.)

138 in			144 in			150 in.			156 in.			162 in.			168 in.			174 in.		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120	66	100	120
72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120	72	100	120
78	100	120	78	100	120	78	100	120	78	100	120	78	100	120	78	100	120	78	100	120
82	100	120	82	100	120	82	100	120	82	100	120	82	100	120	82	100	120	82	100	120

180 in			186 in			192 in.			198 in.			204.5 in.		
SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH			SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F	WIDTH (in.)	(+) P.S.F	(-) P.S.F
36	100	120	36	100	120	36	100	120	36	100	120	36	100	120
42	100	120	42	100	120	42	100	120	42	100	120	42	100	120
48	100	120	48	100	120	48	100	120	48	100	120	48	100	120
52	100	120	52	100	120	52	100	120	52	100	120	52	100	120
54	100	120	54	100	120	54	100	120	54	100	120	54	100	120
60	100	120	60	100	120	60	100	120	60	100	120	60	100	120
64	100	120	64	100	120	64	100	120	64	100	120	64	100	120
66	100	120	66	100	120	66	100	120	66	100	120	66	100	118
72	100	120	72	100	120	72	100	120	72	100	114	72	100	110
78	100	120	78	100	116	78	100	112	78	100	108	78	100	103
82	100	117	82	100	112	82	100	108	82	100	104	82	100	100

NOTE: REINFORCEMENT MUST BE CONTINUOUS AND PLACED 6" FROM TOP AND BOTTOM ENDS. FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

STEEL REINFORCED MULLIONS

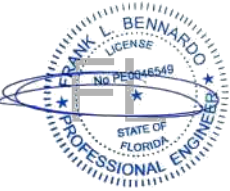


TYPE "A"

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5



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DELRAY BEACH, FL 33444
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GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS

INIT ISSUE

DATE

06/13/22

DRWN

CHKD

SQ

RS

22-52826e

SCALE: NTS UNLESS NOTED

51

OF 64

REINFORCED MULTI-SPAN MULLION LOADING TABLES (P.S.F.)
WITH NON REINFORCED JAMBS

78 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

84 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

90 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

96 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

102 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

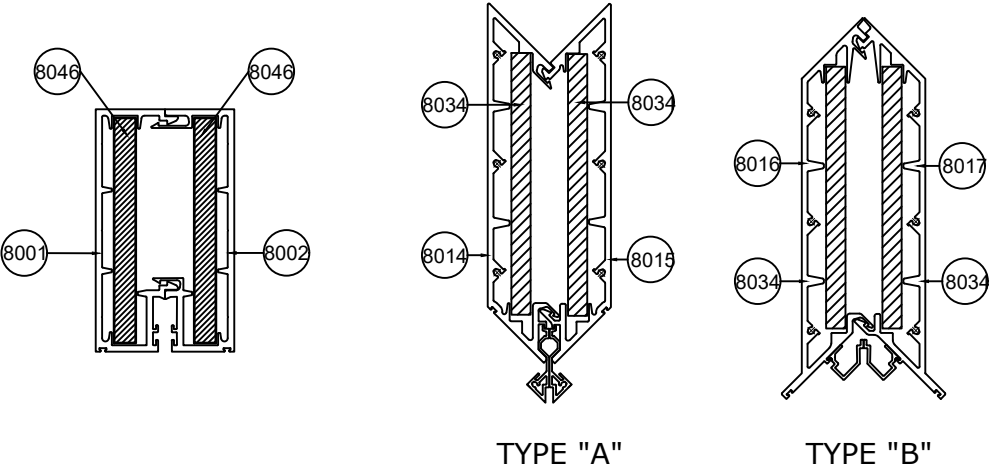
108 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

114 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

120 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

NOTE: REINFORCEMENT MUST BE CONTINUOUS
AND PLACED 6" FROM TOP AND BOTTOM ENDS.
FOR MULTI-SPAN CONFIGURATION, ALLOW ¼"
CLEARANCE BETWEEN MID ANCHOR SLEEVE &
REINFORCEMENT END.

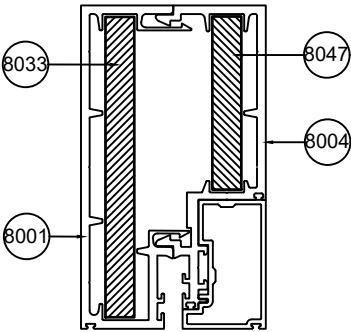
ALUMINUM REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

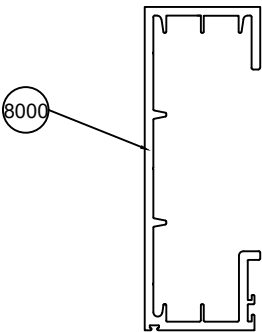
STEEL REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

NON REINFORCED JAMB



JAMB TRIBUTARY WIDTH

$$W = W1$$

FRANK BENNARDI, PE
PE# 0046549 CA# 9885

FL#41589.5

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POSTAL ADDRESS:
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DELRAY BEACH, FL 33444
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GLOBAL IMPACT PRODUCTS, LLC

1963 W McNAB RD
POMPANO BEACH, FL 33069
(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS
INIT ISSUE

DRWN
SQ

CHKD
RS

DATE
06/13/22

OF
64

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52

REINFORCED MULTI-SPAN MULLION LOADING TABLES (P.S.F.)
WITH NON REINFORCED JAMBS

126 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

132 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

138 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

144 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

150 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

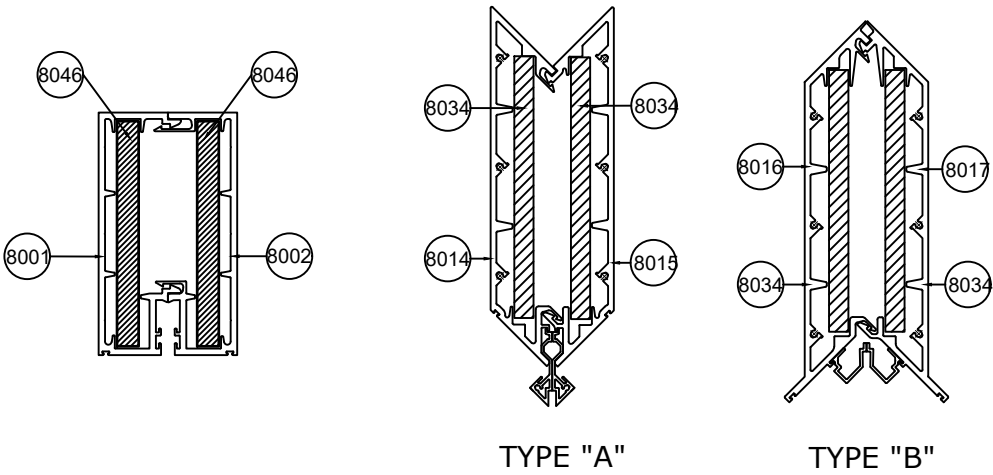
156 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

162 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

168 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

NOTE: REINFORCEMENT MUST BE CONTINUOUS
AND PLACED 6" FROM TOP AND BOTTOM ENDS.
FOR MULTI-SPAN CONFIGURATION, ALLOW ¼"
CLEARANCE BETWEEN MID ANCHOR SLEEVE &
REINFORCEMENT END.

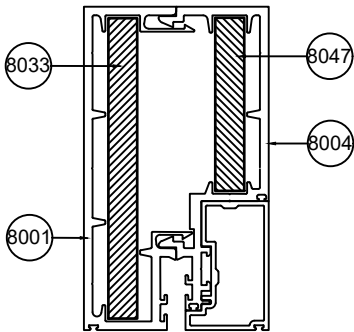
ALUMINUM REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

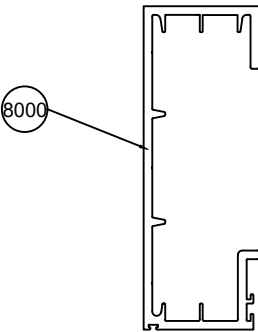
STEEL REINFORCED MULLIONS



MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

NON REINFORCED JAMB



JAMB TRIBUTARY WIDTH

$$W = W1$$

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PE# 0046549 CA# 9885

FL#41589.5

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LARGE MISSILE IMPACT MISSILE LEVEL D

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DATE

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REINFORCED MULTI-SPAN MULLION LOADING TABLES (P.S.F.)
WITH NON REINFORCED JAMBS

174 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

180 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

186 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

192 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

198 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

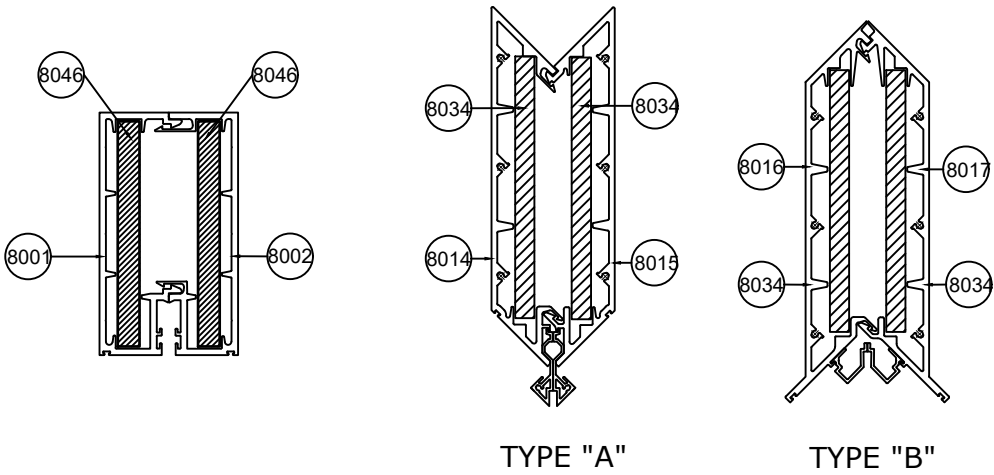
204 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

210 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	109	109
72	100	100

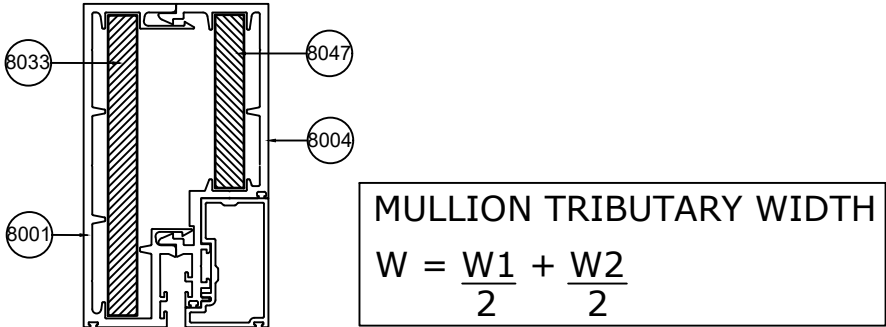
216 (in.)		
SPAN LENGTH		
WIDTH (in.)	(+) P.S.F	(-) P.S.F
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	118	118
66	108	108
72	100	100

NOTE: REINFORCEMENT MUST BE CONTINUOUS
AND PLACED 6" FROM TOP AND BOTTOM ENDS.
FOR MULTI-SPAN CONFIGURATION, ALLOW ¼" CLEARANCE BETWEEN MID ANCHOR SLEEVE & REINFORCEMENT END.

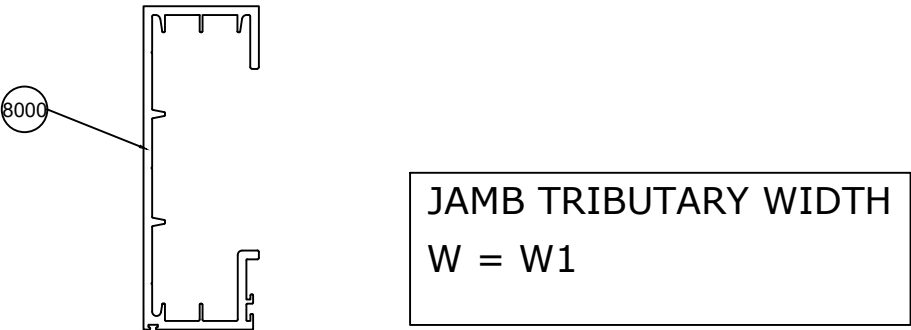
ALUMINUM REINFORCED MULLIONS



STEEL REINFORCED MULLIONS



NON REINFORCED JAMB



FRANK BENNARDI, PE
PE# 0046549 CA# 9885

FL#41589.5

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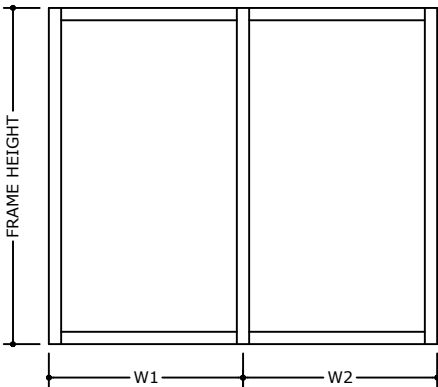
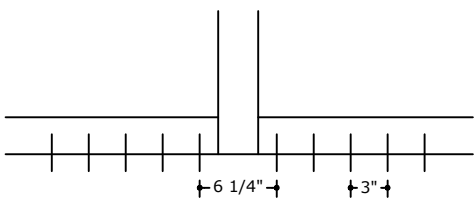
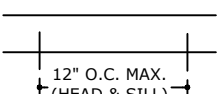
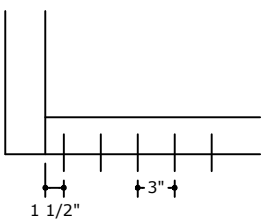
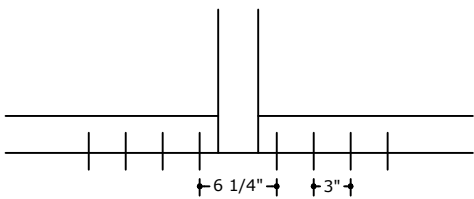
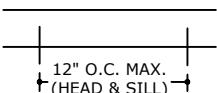
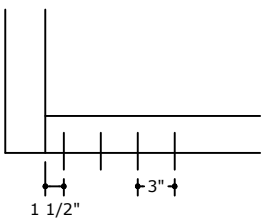
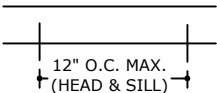
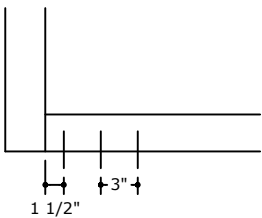
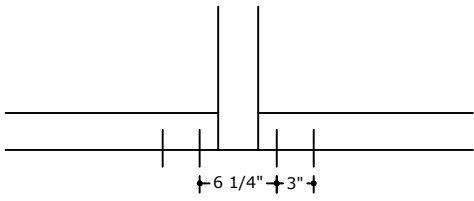
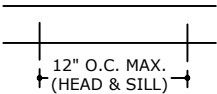
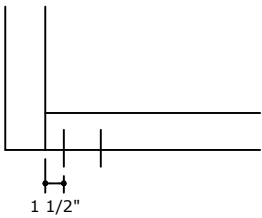
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OF 64

ANCHOR LOAD CAPACITY CHART 1/4" SHIM MAX - (CONDITION 1 AND CONDITION 2)

		TYPE A NUMBER OF ANCHORS AT THE CLUSTER							TYPE B NUMBER OF ANCHORS AT THE CLUSTER				TYPE C NUMBER OF ANCHORS AT THE CLUSTER				
		ALLOWABLE PRESSURE (PSF) +/-							ALLOWABLE PRESSURE (PSF) +/-				ALLOWABLE PRESSURE (PSF) +/-				
WIDTH (W)	FRAME HEIGHT (in)	4	6	8	10	12	14	16	4	6	8	10	4	6	8	10	12
24	84	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
42		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
48		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
54		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
60		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
66		116	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
72		113	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
78		112	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
84		111	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
24	96	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
42		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
48		113	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
54		105	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
60		99	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
66		94	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
72		91	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
78		88	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
84		86	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
24	108	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
42		107	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
48		97	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
54		90	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
60		84	120	120	120	120	120	120	120	120	120	120	118	120	120	120	120
66		79	119	120	120	120	120	120	120	120	120	120	112	120	120	120	120
72		76	113	120	120	120	120	120	120	120	120	120	107	120	120	120	120
78		73	109	120	120	120	120	120	120	120	120	120	103	120	120	120	120
84		71	106	120	120	120	120	120	120	120	120	120	100	120	120	120	120
24	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		107	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
42		94	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
48		85	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
54		78	117	120	120	120	120	120	120	120	120	120	110	120	120	120	120
60		73	109	120	120	120	120	120	120	120	120	120	102	120	120	120	120
66		68	102	120	120	120	120	120	119	120	120	120	96	120	120	120	120
72		65	97	120	120	120	120	120	113	120	120	120	91	120	120	120	120
78		62	93	120	120	120	120	120	108	120	120	120	88	120	120	120	120
84		60	90	120	120	120	120	120	104	120	120	120	84	120	120	120	120
24	132	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		112	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		95	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
42		84	120	120	120	120	120	120	120	120	120	120	119	120	120	120	120
48		76	113	120	120	120	120	120	120	120	120	120	107	120	120	120	120
54		69	104	120	120	120	120	120	120	120	120	120	98	120	120	120	120
60		64	96	120	120	120	120	120	112	120	120	120	90	120	120	120	120
66		60	90	120	120	120	120	120	105	120	120	120	85	120	120	120	120
72		57	85	113	120	120	120	120	99	120	120	120	80	120	120	120	120
78		54	81	108	120	120	120	120	94	120	120	120	76	114	120	120	120
84		52	78	104	120	120	120	120	90	120	120	120	73	110	120	120	120

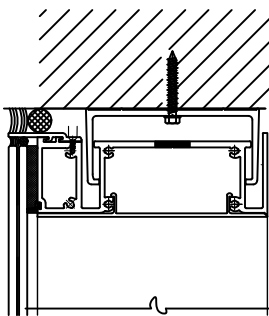
ANCHORS AT JAMB AREA ANCHORS BETWEEN CLUSTERS ANCHORS AT INTERMEDIATE AREA



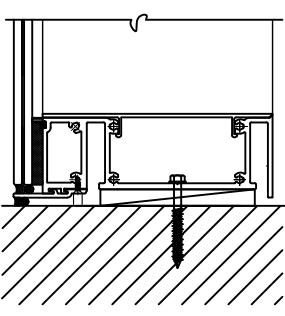
WIDTH (W) = $\frac{W1 + W2}{2}$

WIDTH (W) = W1 (AT FRAME JAMBS)

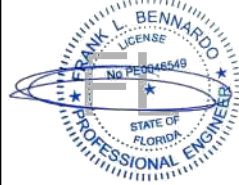
CONDITION 1 HEAD/SILL
WITH SUB BUCK (1/4" MAX SHIM)



CONDITION 2 HEAD/SILL
WITHOUT SUB BUCK (1/4" MAX SHIM)



FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5

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8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT	RS		06/13/22
ISSUE	SQ		

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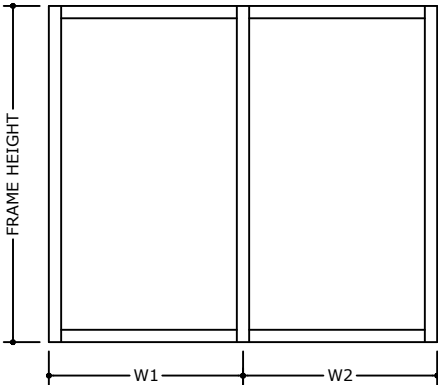
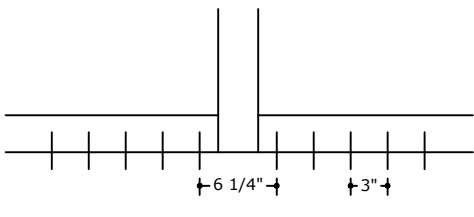
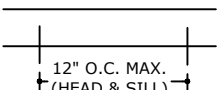
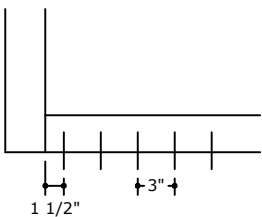
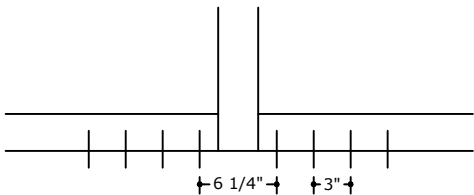
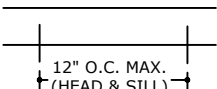
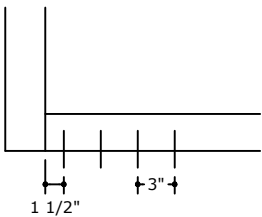
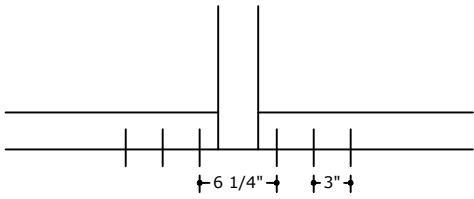
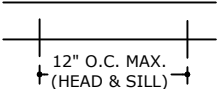
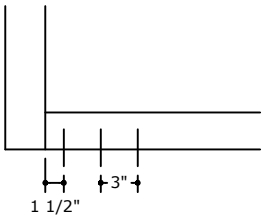
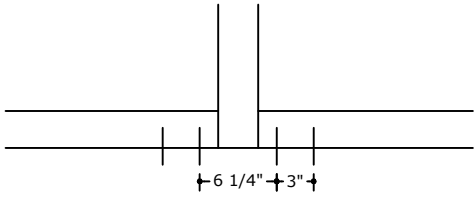
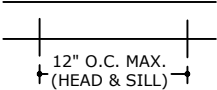
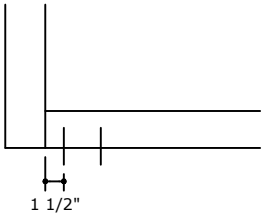
22-52826e

SCALE: NTS UNLESS NOTED

ANCHOR LOAD CAPACITY CHART 1/4" SHIM MAX - (CONDITION 1 AND CONDITION 2)

		TYPE A NUMBER OF ANCHORS AT THE CLUSTER						TYPE B NUMBER OF ANCHORS AT THE CLUSTER					TYPE C NUMBER OF ANCHORS AT THE CLUSTER				
		ALLOWABLE PRESSURE (PSF) +/-						ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-				
WIDTH (W)	FRAME HEIGHT (in)	4	6	8	10	12	14	16	4	6	8	10	4	6	8	10	12
24	144	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		101	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		86	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
42		76	114	120	120	120	120	120	120	120	120	120	107	120	120	120	120
48		68	102	120	120	120	120	120	119	120	120	120	96	120	120	120	120
54		62	93	120	120	120	120	120	108	120	120	120	88	120	120	120	120
60		57	86	115	120	120	120	120	100	120	120	120	81	120	120	120	120
66		53	80	107	120	120	120	120	93	120	120	120	75	113	120	120	120
72		50	76	101	120	120	120	120	88	120	120	120	71	107	120	120	120
78		48	72	96	120	120	120	120	83	120	120	120	68	101	120	120	120
84	156	46	69	91	114	120	120	120	80	120	120	120	65	97	120	120	120
24		113	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		93	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		79	118	120	120	120	120	120	120	120	120	120	111	120	120	120	120
42		69	104	120	120	120	120	120	120	120	120	120	98	120	120	120	120
48		62	93	120	120	120	120	120	108	120	120	120	87	120	120	120	120
54		56	84	112	120	120	120	120	98	120	120	120	79	119	120	120	120
60		52	78	104	120	120	120	120	90	120	120	120	73	110	120	120	120
66		48	72	96	120	120	120	120	84	120	120	120	68	102	120	120	120
72		45	68	91	113	120	120	120	79	119	120	120	64	96	120	120	120
78	168	43	64	86	107	120	120	120	75	112	120	120	61	91	120	120	120
84		41	61	82	102	120	120	120	71	107	120	120	58	87	115	120	120
24		105	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		85	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
36		73	109	120	120	120	120	120	120	120	120	120	102	120	120	120	120
42		63	95	120	120	120	120	120	111	120	120	120	90	120	120	120	120
48		57	85	113	120	120	120	120	99	120	120	120	80	120	120	120	120
54		51	77	103	120	120	120	120	90	120	120	120	73	109	120	120	120
60		47	71	95	118	120	120	120	83	120	120	120	67	100	120	120	120
66		44	66	88	110	120	120	120	77	115	120	120	62	93	120	120	120
72	180	41	62	82	103	120	120	120	72	108	120	120	58	87	116	120	120
78		39	58	78	97	117	120	120	68	102	120	120	55	82	110	120	120
84		37	56	74	93	111	120	120	65	97	120	120	52	78	104	120	120
24		97	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		79	119	120	120	120	120	120	120	120	120	120	112	120	120	120	120
36		67	101	120	120	120	120	120	117	120	120	120	95	120	120	120	120
42		59	88	117	120	120	120	120	102	120	120	120	83	120	120	120	120
48		52	78	105	120	120	120	120	91	120	120	120	74	111	120	120	120
54		47	71	95	119	120	120	120	83	120	120	120	67	100	120	120	120
60		44	65	87	109	120	120	120	76	114	120	120	61	92	120	120	120
66	180	40	61	81	101	120	120	120	70	106	120	120	57	85	114	120	120
72		38	57	76	94	113	120	120	66	99	120	120	53	80	107	120	120
78		36	53	71	89	107	120	120	62	93	120	120	50	75	101	120	120
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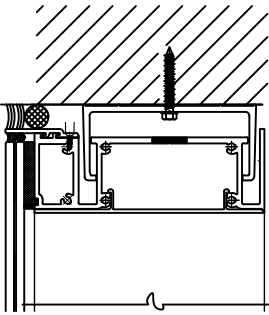
ANCHORS AT JAMB AREA ANCHORS BETWEEN CLUSTERS ANCHORS AT INTERMEDIATE AREA



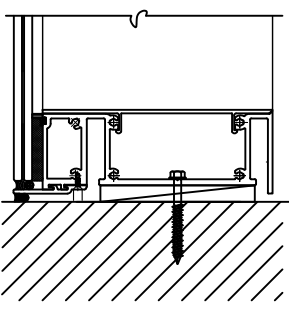
WIDTH (W) = $\frac{W1 + W2}{2}$

WIDTH (W) = W1 (AT FRAME JAMBS)

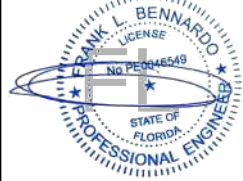
CONDITION 1 HEAD/SILL
WITH SUB BUCK (1/4" MAX SHIM)



CONDITION 2 HEAD/SILL
WITHOUT SUB BUCK (1/4" MAX SHIM)



FRANK BENNARD, PE
PE# 0046549 CA# 9885



FL#41589.5

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GLOBAL IMPACT PRODUCTS, LLC
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(646) 618-1682

WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

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SCALE: NTS UNLESS NOTED

ANCHOR LOAD CAPACITY CHART 1/4" SHIM MAX - (CONDITION 1 AND CONDITION 2)

		TYPE A NUMBER OF ANCHORS AT THE CLUSTER						TYPE B NUMBER OF ANCHORS AT THE CLUSTER					TYPE C NUMBER OF ANCHORS AT THE CLUSTER					
		ALLOWABLE PRESSURE (PSF) +/-						ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-					
WIDTH (W)	FRAME HEIGHT (in)	4	6	8	10	12	14	16	4	6	8	10	4	6	8	10	12	
24	192	91	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
30		74	111	120	120	120	120	120	120	120	120	120	104	120	120	120	120	
36		63	94	120	120	120	120	120	120	109	120	120	120	88	120	120	120	120
42		55	82	109	120	120	120	120	120	95	120	120	120	77	115	120	120	120
48		49	73	97	120	120	120	120	120	85	120	120	120	69	103	120	120	120
54		44	66	88	110	120	120	120	120	77	115	120	120	62	93	120	120	120
60		40	60	81	101	120	120	120	120	70	105	120	120	57	85	114	120	120
66		37	56	75	93	112	120	120	120	65	98	120	120	53	79	105	120	120
72		35	52	70	87	105	120	120	120	61	91	120	120	49	74	98	120	120
78		33	49	66	82	98	115	120	120	57	86	114	120	46	69	93	116	120
84		31	47	62	78	93	109	120	120	54	81	108	120	44	66	88	110	120
24	204 ⅔	85	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
30		69	103	120	120	120	120	120	120	120	120	120	97	120	120	120	120	
36		58	88	117	120	120	120	120	102	120	120	120	82	120	120	120	120	
42		51	76	102	120	120	120	120	89	120	120	120	72	108	120	120	120	
48		45	68	90	113	120	120	120	79	118	120	120	64	96	120	120	120	
54		41	61	82	102	120	120	120	71	107	120	120	58	87	115	120	120	
60		37	56	75	94	112	120	120	65	98	120	120	53	79	106	120	120	
66		35	52	69	87	104	120	120	60	91	120	120	49	73	98	120	120	
72		32	48	65	81	97	113	120	56	85	113	120	46	68	91	114	120	
78		30	46	61	76	91	106	120	53	79	106	120	43	64	86	107	120	
84		29	43	57	72	86	101	115	50	75	100	120	41	61	81	101	120	

TYPICAL ANCHOR TYPES:

TYPE A - 5/16" DEWALT ULTRAICON OR EQUAL, 1 1/2" MIN ENGAGEMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1-1/4" MIN EDGE DISTANCE

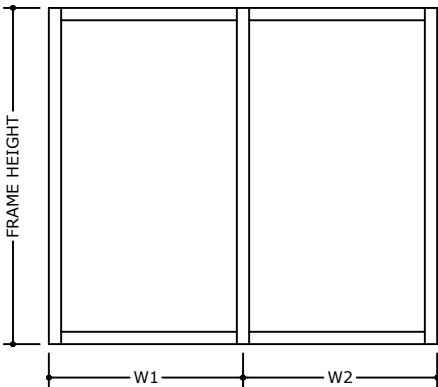
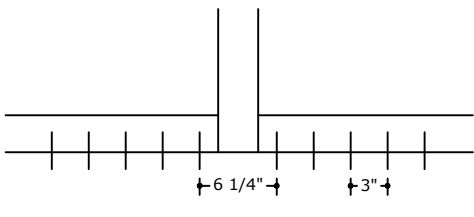
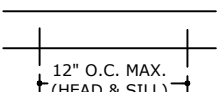
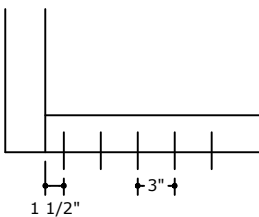
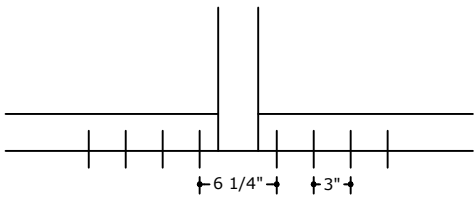
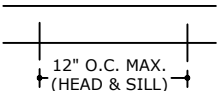
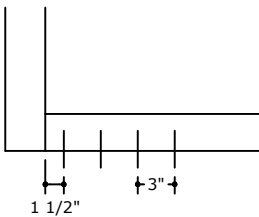
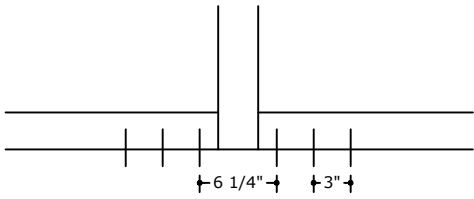
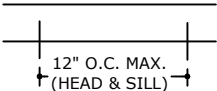
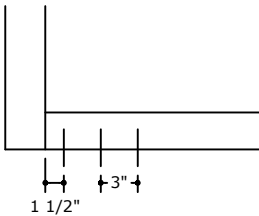
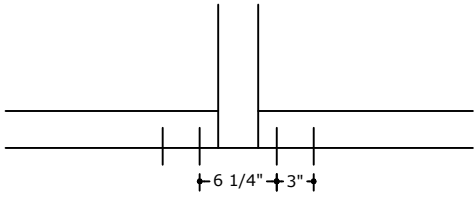
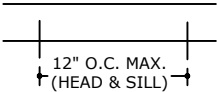
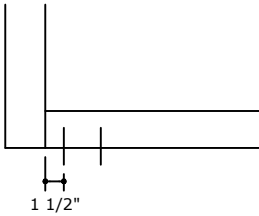
TYPE B - 5/16" DEWALT ULTRAICON OR EQUAL, 2" EFFECTIVE EMBEDMENT INTO 3000 PSI CONCRETE MIN. WITH 2 1/2" EDGE DISTANCE

TYPE C - 5/16" -24 DEWALT DRILLFLEX OR EQUAL, ENGAGING 5 PITCHES PASSED THE THREAD PLANE INTO 1/8" ALUMINUM (6063-T5 MIN) OR 1/8" STEEL (A36 MIN), 3/4" MIN EDGE DISTANCE

ANCHORS AT JAMB AREA

ANCHORS BETWEEN CLUSTERS

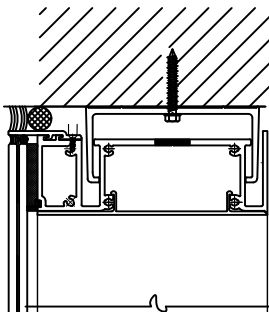
ANCHORS AT INTERMEDIATE AREA



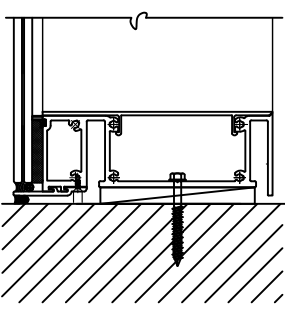
WIDTH (W) = $\frac{W1 + W2}{2}$

WIDTH (W) = W1 (AT FRAME JAMBS)

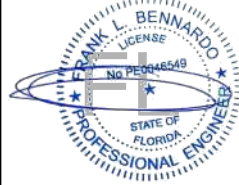
CONDITION 1 HEAD/SILL
WITH SUB BUCK (1/4" MAX SHIM)



CONDITION 2 HEAD/SILL
WITHOUT SUB BUCK (1/4" MAX SHIM)



FRANK BENNARDO, PE
PE# 0046549 CA# 9885



FL#41589.5

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WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

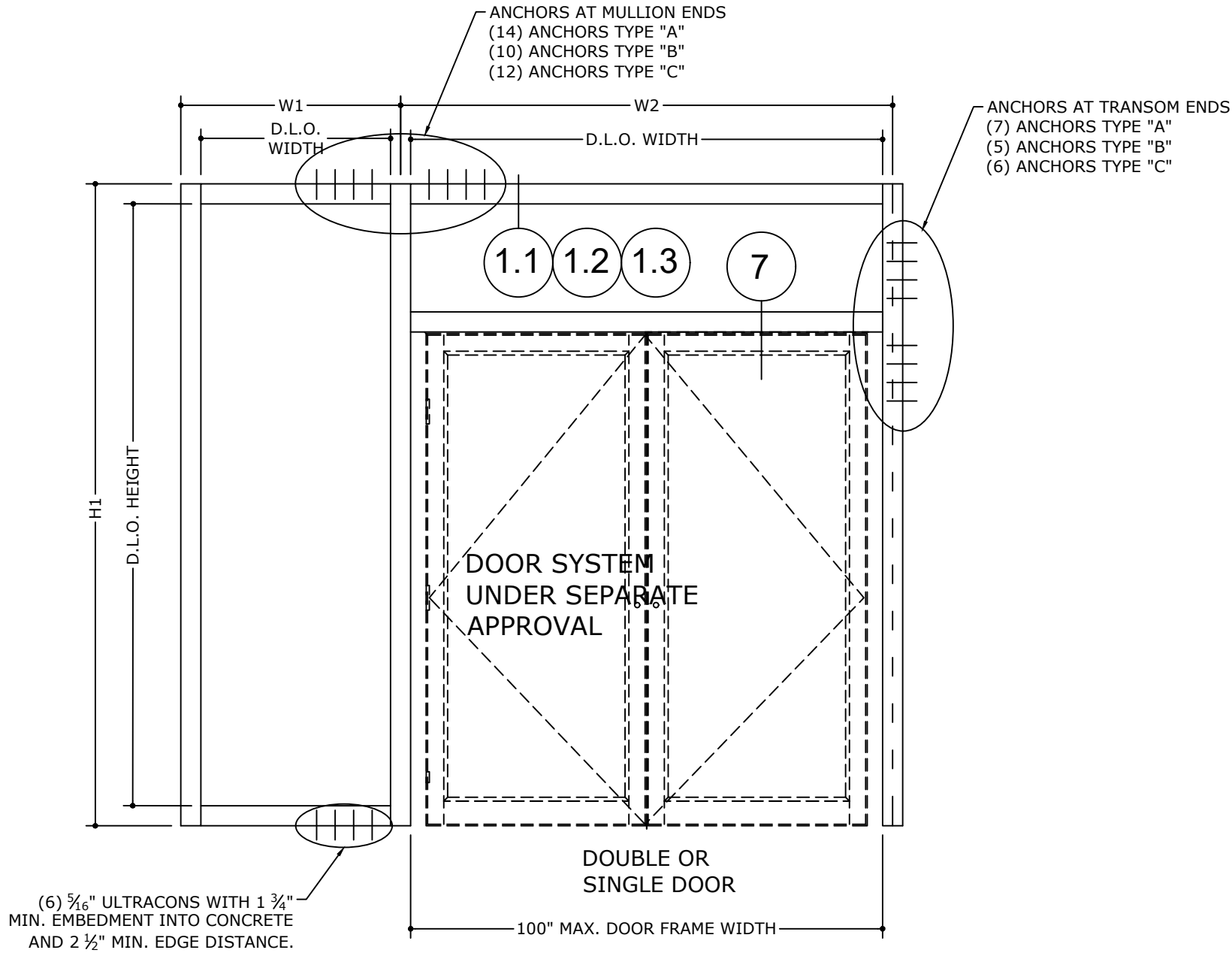
REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

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57 OF 64

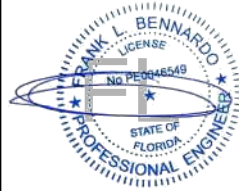


TYPICAL ANCHOR TYPES:

TYPE A - $\frac{5}{16}$ " DEWALT ULTRACON OR EQUAL, $1\frac{1}{2}$ " MIN ENGAGEMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1-1/4" MIN EDGE DISTANCE

TYPE B - $\frac{5}{16}$ " DEWALT ULTRACON OR EQUAL, 2" EFFECTIVE EMBEDMENT INTO 3000 PSI CONCRETE MIN. WITH $2\frac{1}{2}$ " EDGE DISTANCE

TYPE C - $\frac{5}{16}$ " -24 DEWALT DRILLFLEX OR EQUAL, ENGAGING 5 PITCHES PASSED THE THREAD PLANE INTO $\frac{1}{8}$ " ALUMINUM (6063-T5 MIN) OR $\frac{1}{8}$ " STEEL (A36 MIN), $\frac{3}{4}$ " MIN EDGE DISTANCE



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WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT MISSILE LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

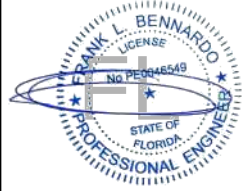
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PARTS LIST

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PE# 0046549 CA# 9885



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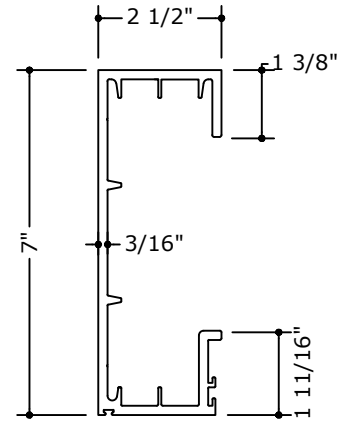
WINDOW WALL SYSTEM - FL# 41589.5
8000 SERIES WINDOW WALL
LARGE MISSILE IMPACT LEVEL D

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	06/13/22

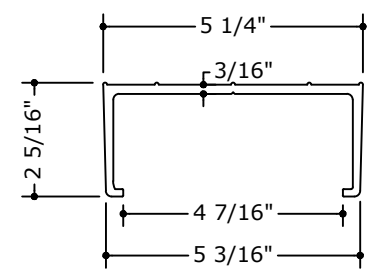
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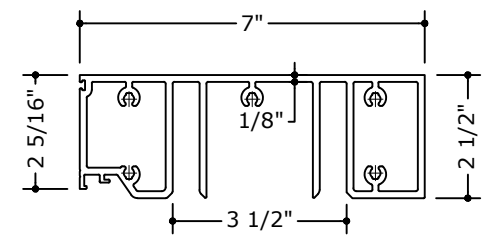
SCALE: NTS UNLESS NOTED



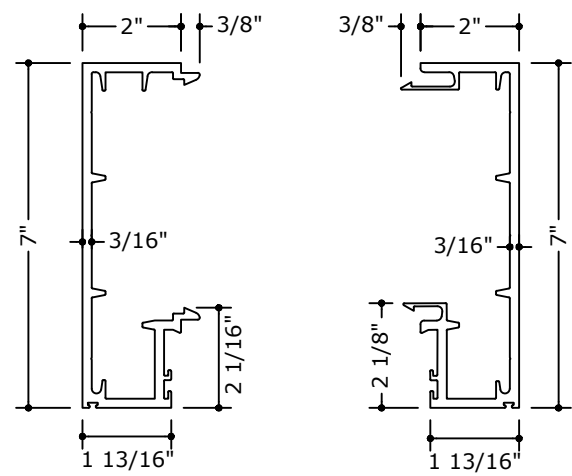
8000 JAMB



8007 HEAD RECEPTOR

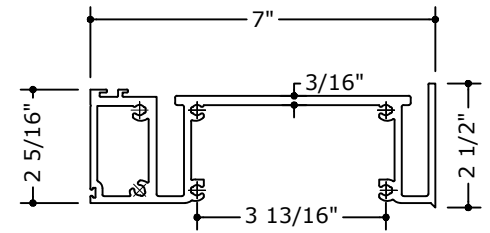


8011 HORIZONTAL @ SPLICE (FEMALE)

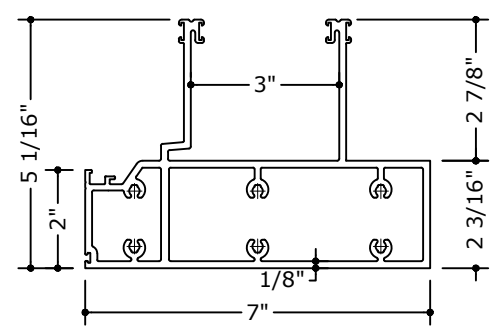


8001 VERT. MULLION (MALE)

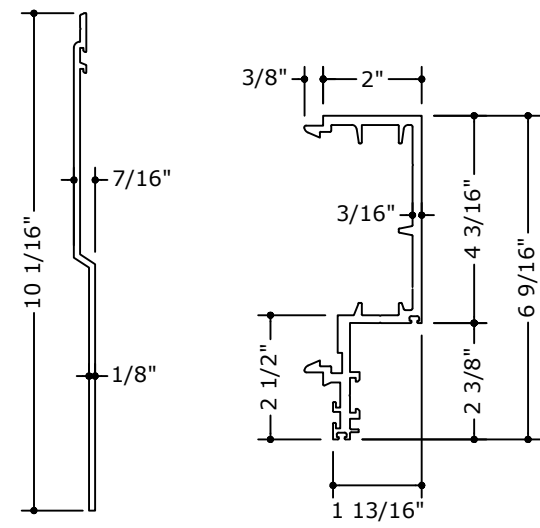
8002 VERT. MULLION (FEMALE)



8008 HEAD / SILL

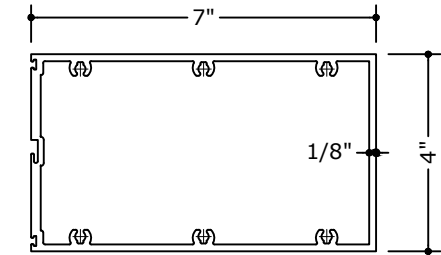


8012 HORIZONTAL @ SPLICE (MALE)

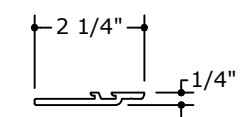


8018 LOUVER ADAPTOR

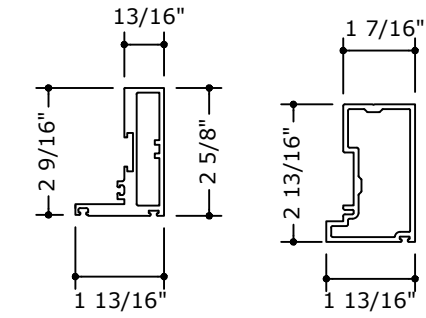
8004 FEMALE MULLION FOR CASEMENT



8009 INTERMEDIATE HORIZONTAL

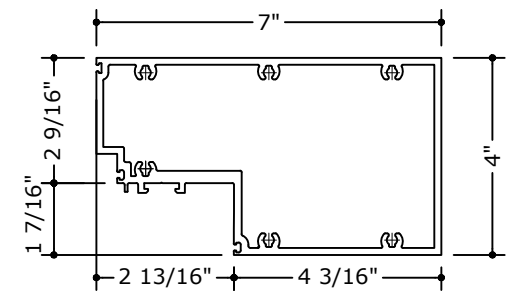


8019 VERTICAL GLASS SUPPORT



8005 CASEMENT / PROJECTED FRAME

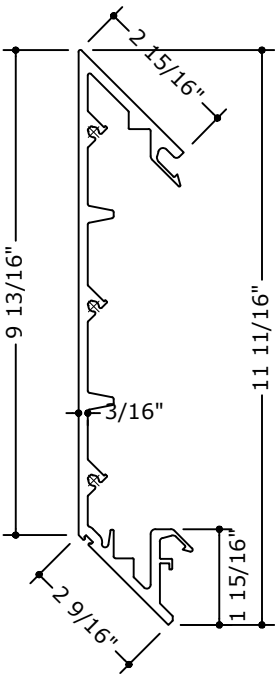
8006 MULLION FILLER



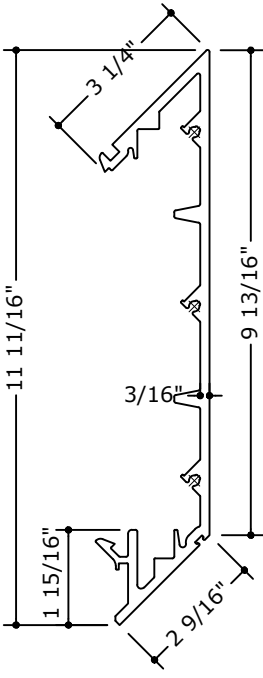
8003 INTERMEDIATE HORIZONTAL @ CASEMENT HEAD / SILL

ALUMINUM 6005-T5

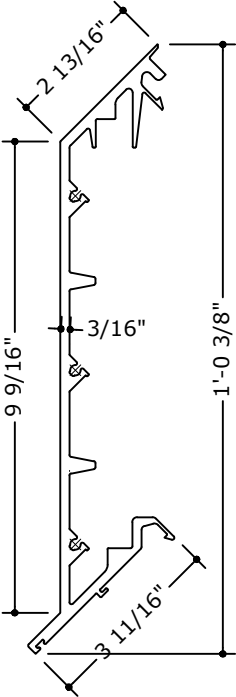
PARTS LIST



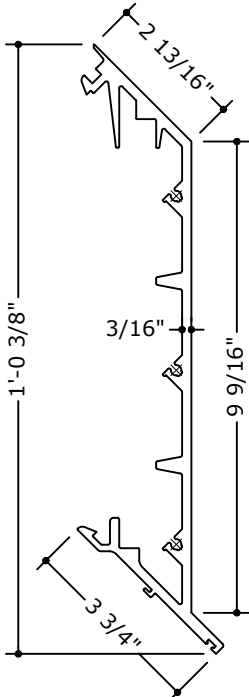
8014 OUTSIDE CORNER MULLION (FEMALE)



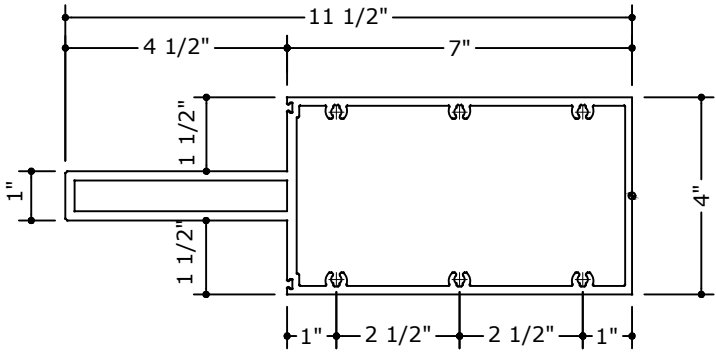
8015 OUTSIDE CORNER MULLION (MALE)



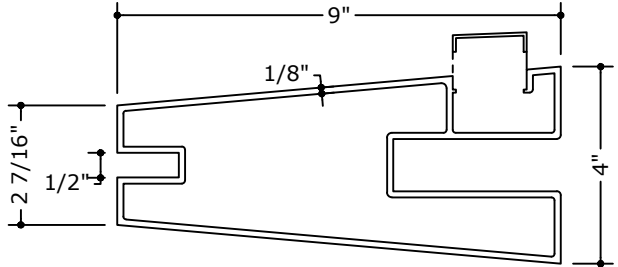
8016 INSIDE CORNER MULLION (FEMALE)



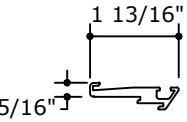
8017 INSIDE CORNER MULLION (MALE)



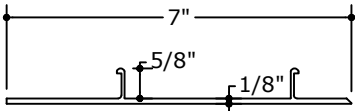
8010 INT. HORIZ. FOR SUNSHADE



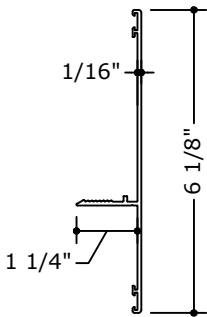
8024 SUNSHADE



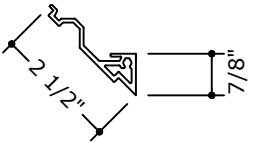
8020 GLASS SUPPORT



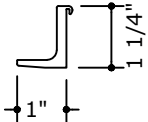
8013 HEAD / SILL MULLION COVER



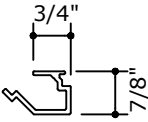
8023 SPLICE MULLION COVER



8043 OUTSIDE CORNER END CAP



8021 HORIZONTAL GLASS SUPPORT



8044 INSIDE CORNER END CAP

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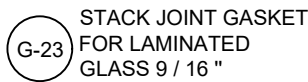
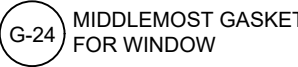
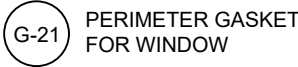
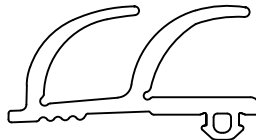
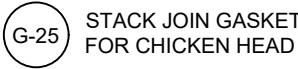
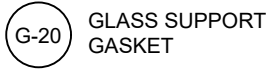
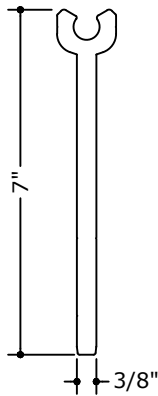
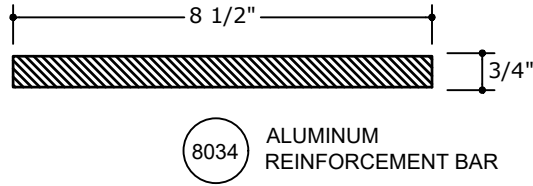
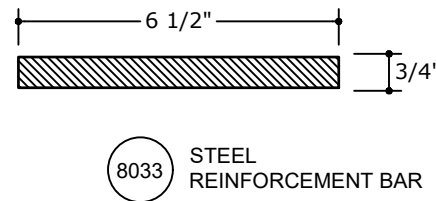
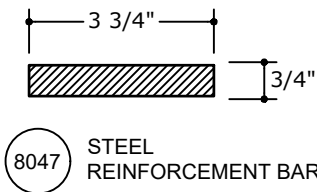
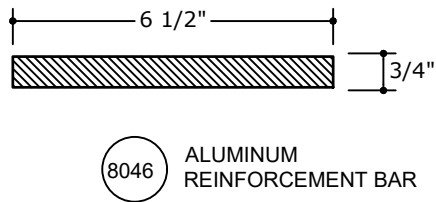
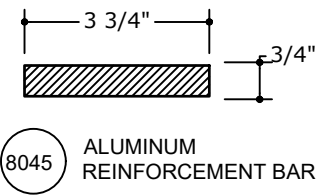
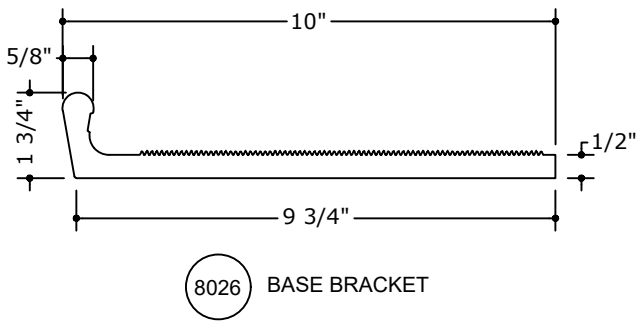
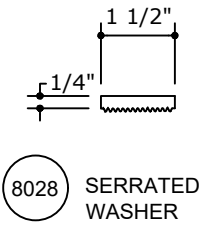
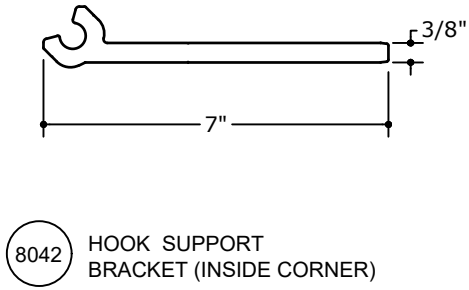
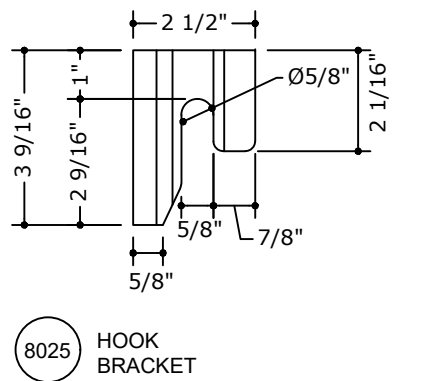
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LARGE MISSILE IMPACT LEVEL D

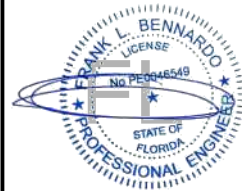
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PARTS LIST



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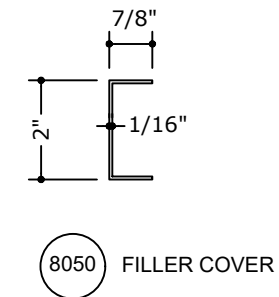
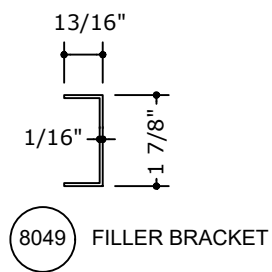
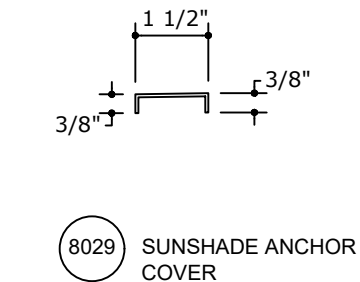
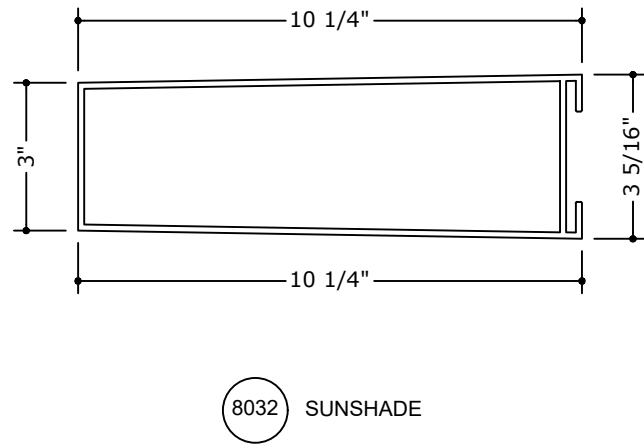
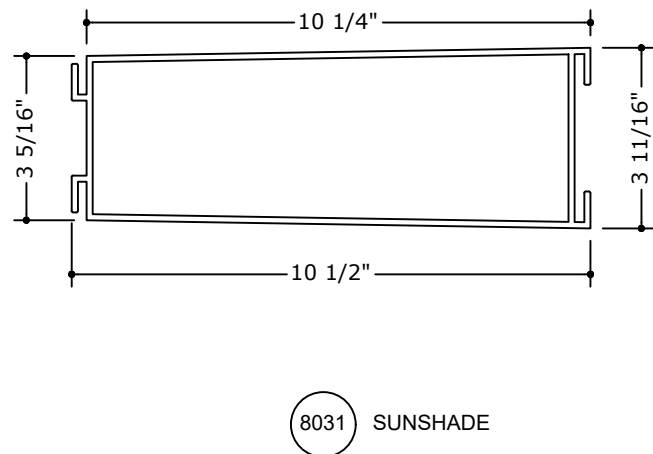
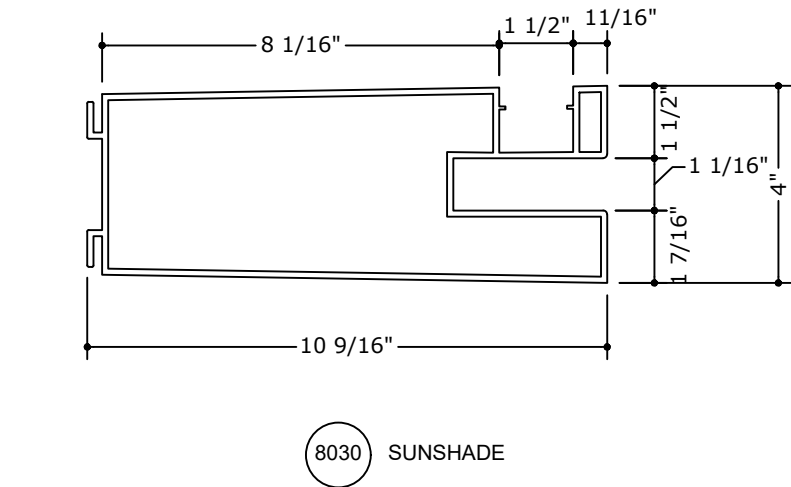
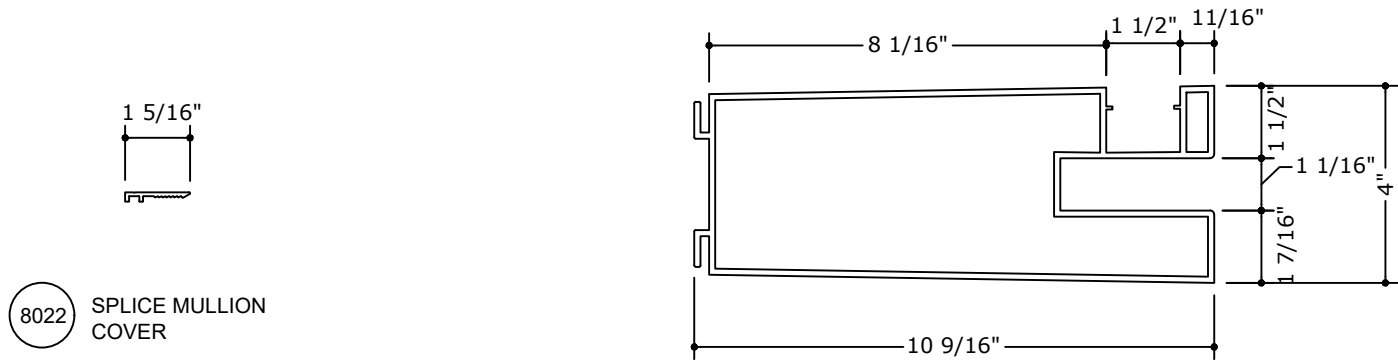
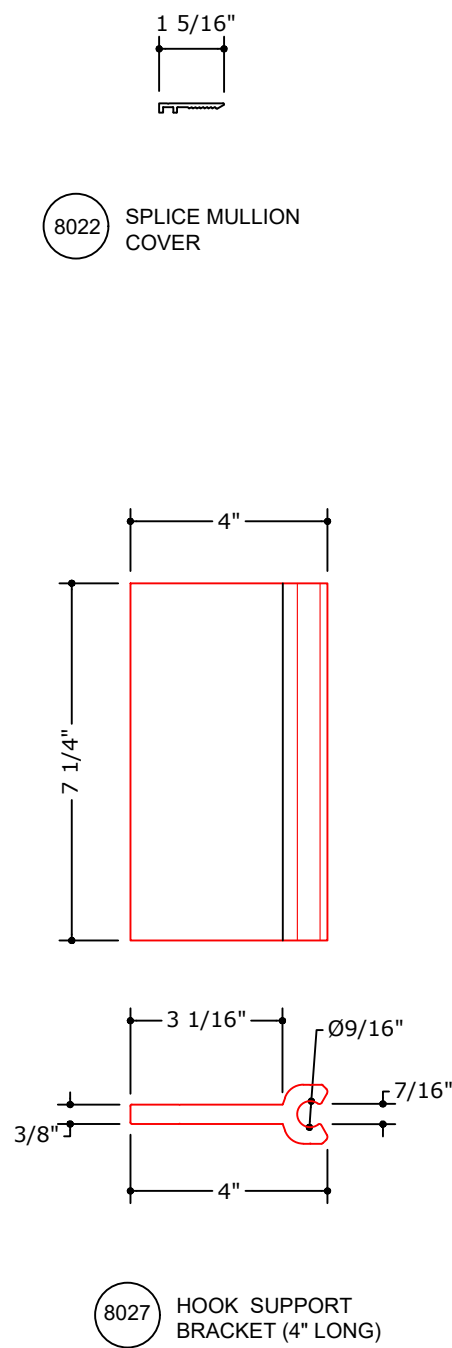
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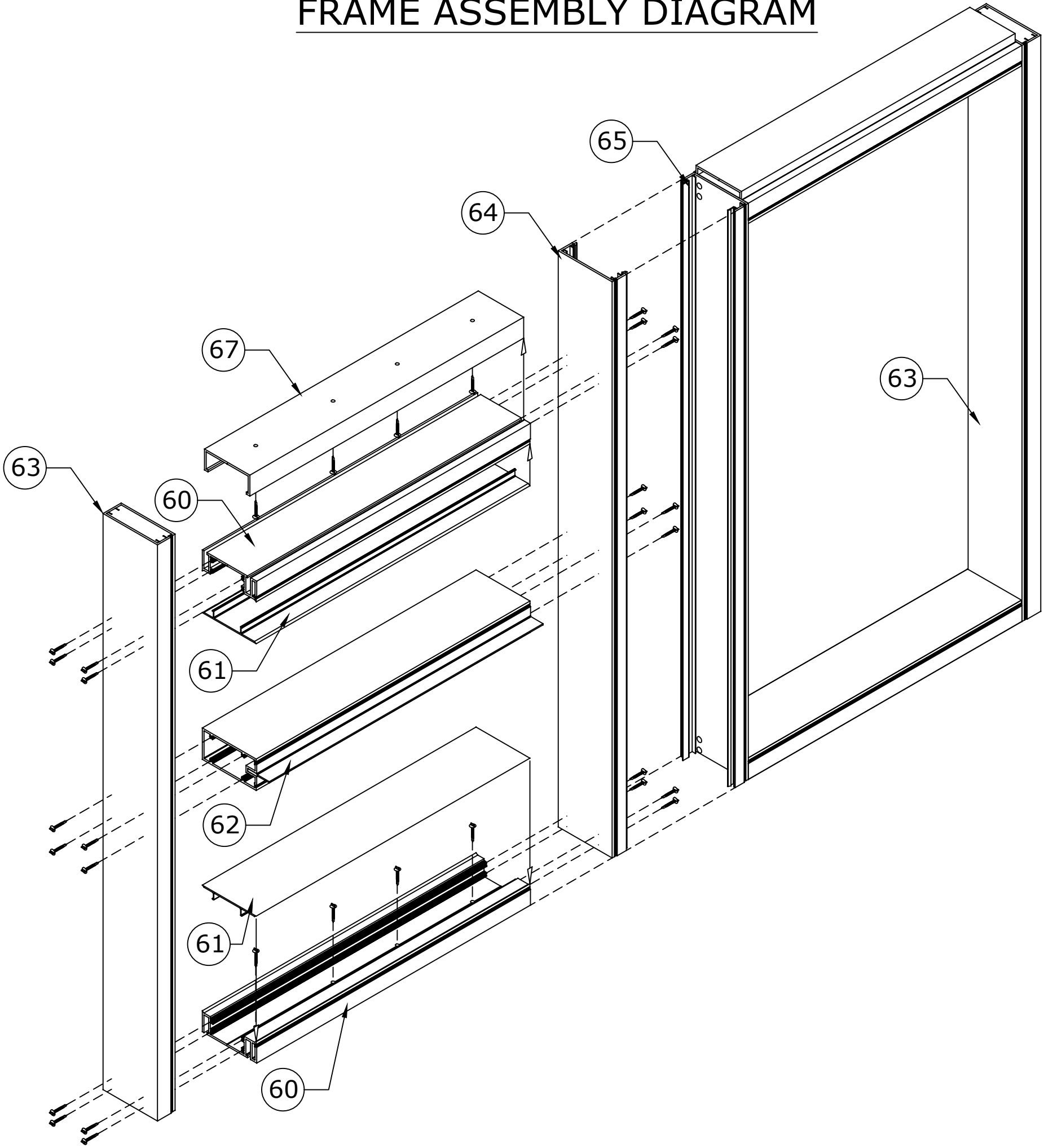
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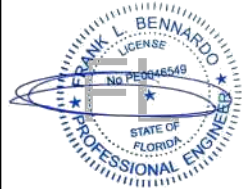
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FRAME ASSEMBLY DIAGRAM



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