

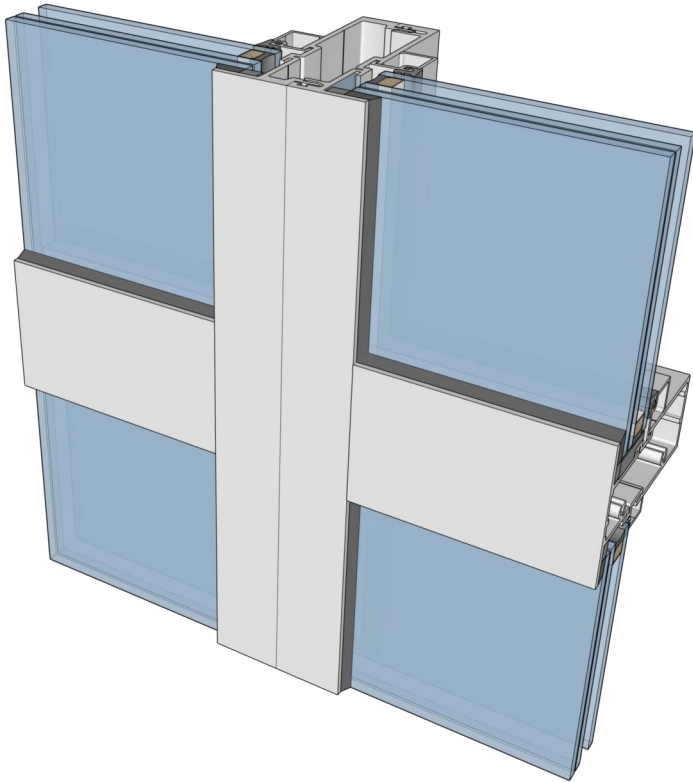
TRULITE GLASS & ALUMINUM SOLUTIONS

3300 IMPACT RESISTANT STOREFRONT SYSTEM

WITH MULTIPLE INFILLS (LMI-HVHZ)

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) AND HAS BEEN TESTED TO THE FOLLOWING STANDARDS:
 - TAS 201-94 (ASTM E283, ASTM E330, ASTM E331)
 - TAS 202-94 (ASTM 1996)
 - TAS 203-94 (ASTM E 1886)
- SERIES 3300 RESISTOR ALUMINUM STOREFRONT SYSTEM WAS TESTED TO COMPLY WITH MISSILE LEVEL "D" (50FT/SEC) IMPACT AND QUALIFIED FOR USE ON ESSENTIAL FACILITIES FOR THE FOLLOWING WIND ZONE LOCATIONS:
 - WIND ZONE 1: 130MPH-139MPH
 - WIND ZONE 2: 140MPH TO 149MPH (AT GREATER THAN ONE MILE OF THE COASTLINE)
 - WIND ZONE 3: 150MPH TO 170MPH (AT ELEVATION GREATER THAN 30FT (EXCLUDING HIGH-VELOCITY HURRICANE ZONES)
- THIS STOREFRONT SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- THE MAIN STRUCTURE WHERE THIS STOREFRONT SYSTEM WILL BE INSTALLED MUST BE CAPABLE OF SUPPORTING ALL THE LOADS IMPOSED BY THIS STOREFRONT SYSTEM.
- ANCHORS SHALL BE AS LISTED. SPACED AS SHOWN ON DETAILS. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS REQUIRED. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR INSTALLATION THROUGH METAL FRAME, PROVIDE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE. FOR GROUTED FILLED BLOCK (CMU), DO NOT INSTALL ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS REFERENCED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT IN FACE SHELL OF BLOCK. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE & ADAPTED STANDARDS.



- ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
- A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- ULTIMATE LOAD OBTAINED FROM APPLICABLE ASCE 7 STANDARD MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

INSTRUCTIONS FOR USE:

- DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT & WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- SEE TABLE ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING TABLES ON SHEETS 5 TO 10. THE CAPACITY SHOULD BE EQUAL OR GREATER THAN THE DESIGN LOAD.
- SEE SHEETS 14 TO 15 FOR ANCHOR TYPE & CAPACITY. ANCHOR CAPACITY SHALL BE EQUAL OR GREATER THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- THE LOWEST VALUE RESULTING FROM STEP 2,3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS:

DLO or D.L.O. - DAYLIGHT OPENING
TYP. - TYPICAL
FH - FRAME HEIGHT
DOW - DOOR OPENING WIDTH
DOH - DOOR OPENING HEIGHT
DP - DESIGN PRESSURE
NTS - NOT TO SCALE
W - WIDTH
H - HEIGHT
DP - DESIGN PRESSURE
SLW - SIDELITE WIDTH
O.C.- ON CENTER

LIMITATION OF USE

- THIS FLORIDA PRODUCT APPROVAL DOCUMENT IS GENERIC AND DOES NOT PROVIDE INFORMATION ABOUT A SITE SPECIFIC PROJECT OR WHERE THE SITE CONDITIONS DEVIATE FROM THIS DOCUMENT.
- FOR CONDITIONS THAT DEVIATE FROM THE FLORIDA PRODUCT APPROVAL DOCUMENT, THIS SHALL BE REVIEWED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD FOR THE PROJECT.



<http://www.trulite.com>

403 West Park Court, Suite 201
Peachtree City, GA 30269
p. 800-432-8132

PRODUCT:

**3300 IMPACT
STOREFRONT SYSTEM**
LMI (HVHZ)



REVN	DATE/REMARKS

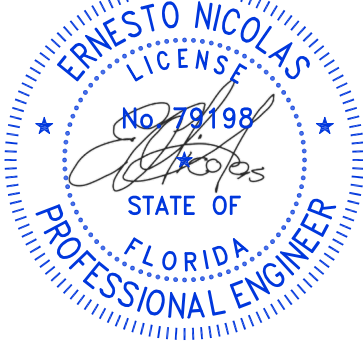
ENGINEER:



En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

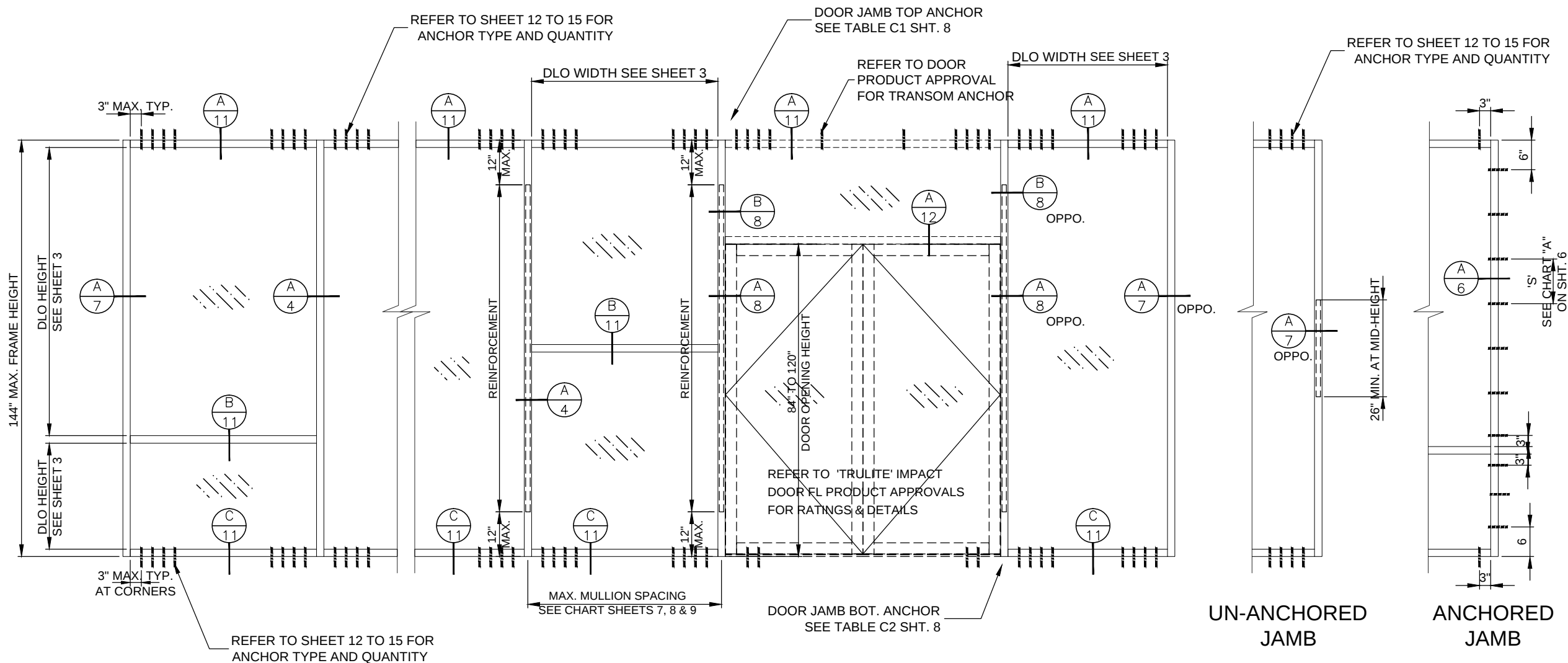
DATE: DEC. 15, 2023

DRAWN: ML CHK: ESN

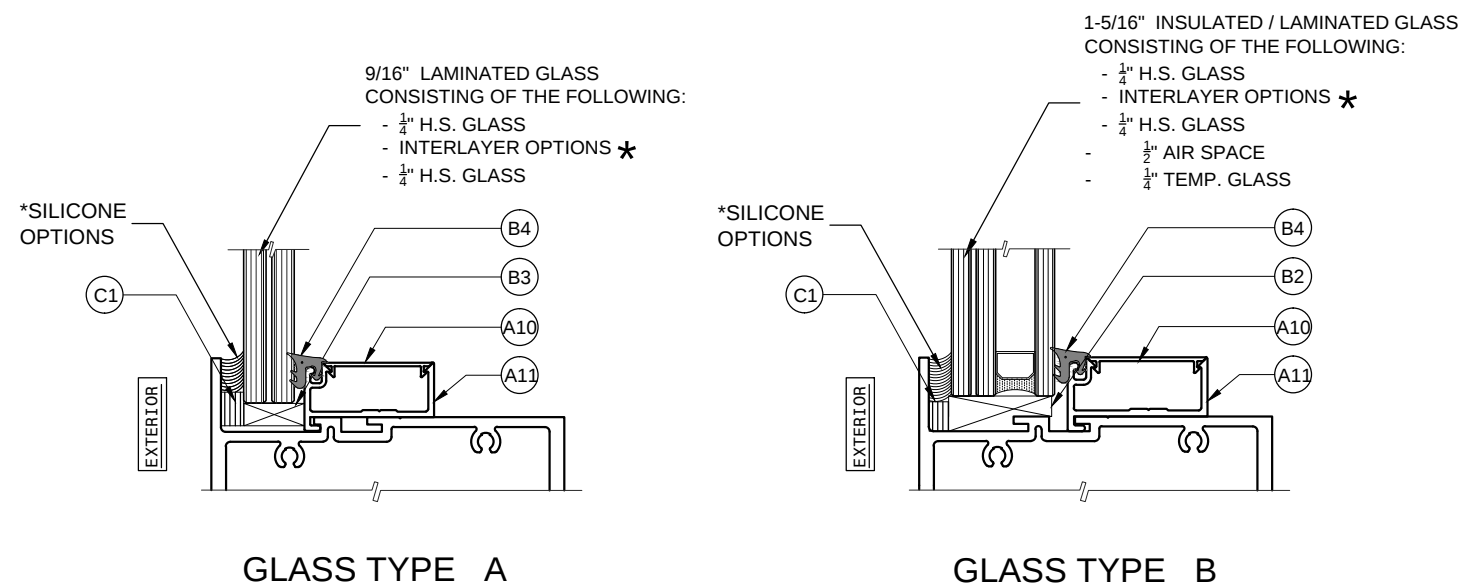
DRWG. No: 23FL-100 SCALE: NTS

SHEET NO.:

1 OF 17



TYPICAL ELEVATIONS



GLAZING OPTIONS

* INTERLAYER OPTIONS:

1. 0.090" SAFLEX PVB, CLEAR AND COLORED BY EASTMAN CHEMICAL CO.
2. 0.100 SAFLEX HP BY EASTMAN CHEMICAL CO.
3. 0.090" SENTRYGLAS BY KURARAY AMERICA INC.
4. 0.090" EVERLAM PVB CLEAR INTERLAYER
5. 0.075" SAFLEX STORM INTERLAYER BY EASTMAN CHEMICAL CO.
6. 0.090" LAM50 PVB INTERLAYER BY EVERLAM
7. 0.090" SUPER TOUGH PVB INTERLAYER BY EVERLAM

SILICONE OPTIONS:

- | | |
|----------------------------|---------------------------|
| (C2) - DOWSIL 995 | (C4) - SIKA SIKASIL SG-10 |
| (C3) - TREMCO PROGLAZE SSG | (C5) - DOWSIL 983 |



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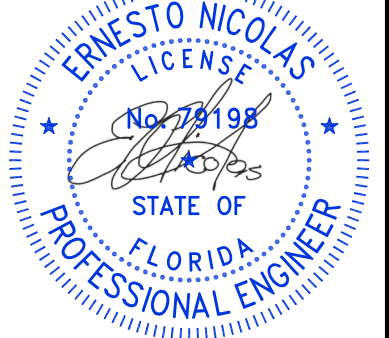
ENGINEER:



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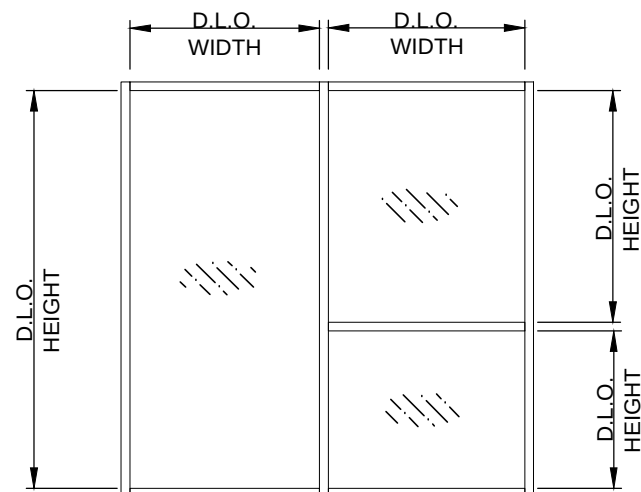
DRAWN: ML CHK: ESN

DRWG. No: 23FL-100 SCALE: NTS

SHEET NO.:

2 OF 17

GLASS LOAD CAPACITY (psf)																	
DLO (in)		GLASS TYPES															
		A1	B1	A2	B2	A3	B3	B4	B5	A6	B6		A7		B7		
Width	Height	EXT.(+) /INT.(-)	EXT.(+) /INT.(-)	EXT.(+) /INT.(-)	EXT.(+) /INT.(-)	EXT.(+) /INT.(-)	EXT.(+) /INT.(-)	EXT.(+) /INT.(-)	EXT.(+) /INT.(-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
26.75	67	80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
32.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
38.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
44.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
50.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
56.75		80	-	80	-	80	94	65	85	-	-	-	-	70	85	70	85
62.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
72.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
74.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
26.75	73	80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
32.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
38.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
44.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
50.75		80	75	80	75	80	94	65	85	-	-	-	-	70	85	70	85
56.75		80	-	80	-	80	94	65	85	-	-	-	-	70	85	70	85
62.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
68.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
72.00		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
26.75	79	80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
32.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
38.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
44.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
50.75		80	-	80	-	80	94	65	85	-	-	-	-	70	85	70	85
56.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
62.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
68.75		-	-	-	-	-	94	-	-	-	-	-	-	-	-	-	-
26.75		85	80	75	80	75	80	94	65	85	65	75	65	75	70	85	70
32.75	80		75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
38.75	80		75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
44.75	80		-	80	-	80	94	65	85	-	-	-	-	70	85	70	85
50.75	80		-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
56.75	80		-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
62.75	-		-	-	-	-	94	-	-	-	-	-	-	-	-	-	-
63.50	-		-	-	-	-	94	-	-	-	-	-	-	-	-	-	-
26.75	92		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70
32.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
38.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
39.25		80	-	80	-	80	94	65	85	65	75	65	75	70	85	70	85
45.25		80	-	80	-	80	94	65	85	-	-	-	-	70	85	70	85
50.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
56.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
56.00		-	-	-	-	-	94	-	-	-	-	-	-	-	-	-	-
26.75		97	80	75	80	75	80	94	65	85	65	75	65	75	70	85	70
32.75	80		75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
38.75	80		-	80	-	80	94	65	85	-	-	-	-	70	85	70	85
43.00	80		-	80	-	80	94	-	85	-	-	-	-	70	85	70	85
44.75	80		-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
50.75	80		-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
56.00	-		-	-	-	-	94	-	-	-	-	-	-	-	-	-	-
26.75	103	80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
32.75		80	75	80	75	80	94	65	85	65	75	65	75	70	85	70	85
38.75		80	-	80	-	80	94	65	85	-	-	-	-	70	85	70	85
44.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
50.75		80	-	80	-	80	94	-	85	-	-	-	-	-	-	-	-
53.00		-	-	-	-	-	94	-	-	-	-	-	-	-	-	-	-

[illegible]

NOTE:

1. GLASS CAPACITIES ON THIS SHEET WERE VERIFIED BASED ON ASTM E1300-16 (3 SEC. GUSTS).
2. PROVIDE 2 SETTING BLOCKS PER GLASS PANEL AS PER FBC CHAPTER 24. SETTING BLOCK TO BE LOCATED AT L/4 FOR SPAN $\leq 54"$ AT L/8 FOR SPAN $\leq 66"$ AND AT 4" FROM ENDS FOR SPAN GREATER THAN 66".
3. OTHER GLASS SIZES ARE QUALIFIED AS LONG AS EQUAL OR LESS THAN TESTED AREA.
4. INSULATED GLASS SEALANT:
PRIMARY SEALANT: PIB-POLYISOBUTYLENE
SECONDARY SEALANT: SILICONE SEALANT

 **Trulite**
GLASS & ALUMINUM SOLUTIONS™

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PRODUCT:

**3300 IMPACT
STOREFRONT SYSTEM**

LMI (HVHZ)

 **Resistor**

PRODUCT SERIES

REV#	DATE/REMARKS

ENGINEER:



En3 Engineering & Consultancy

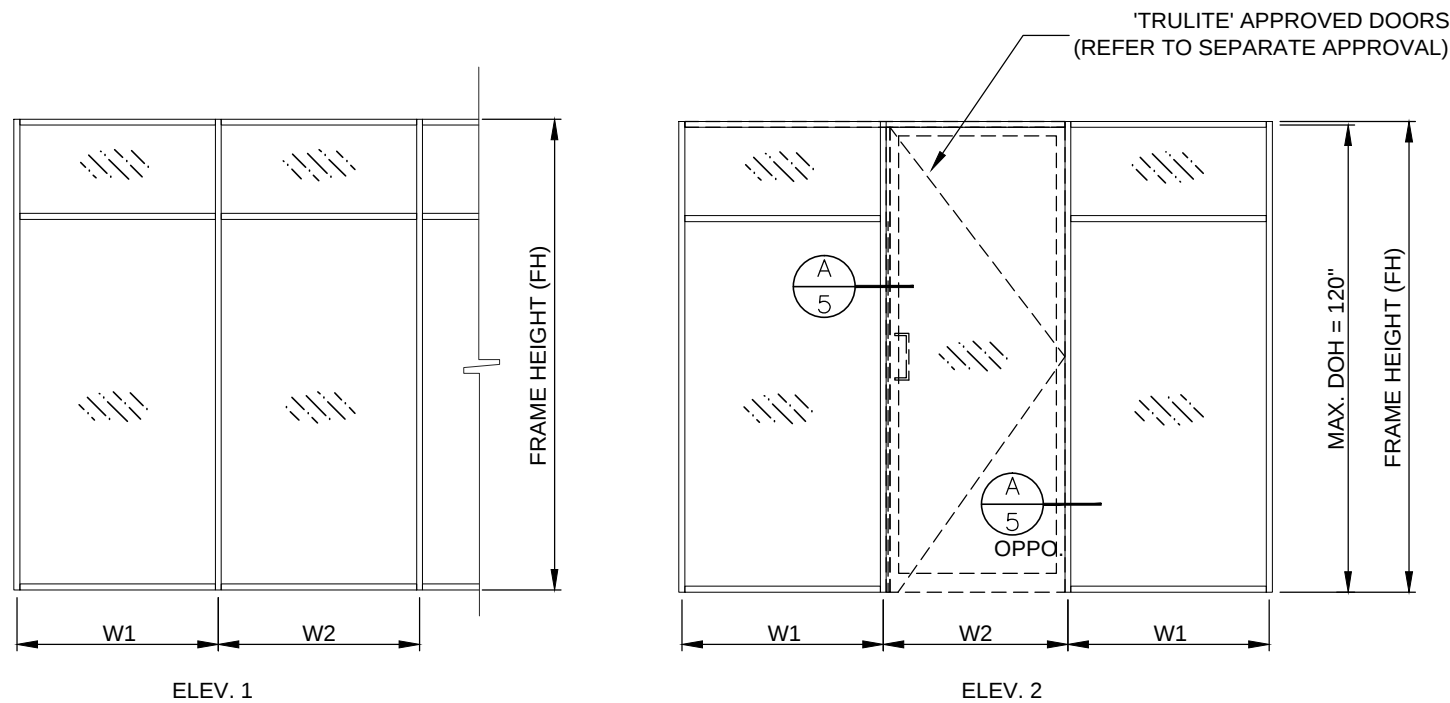
950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

A circular blue ink stamp. The outer ring contains the text "ERNESTO NICOLAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No. 79198" is printed above a stylized signature. A small blue star is positioned between the signature and the words "STATE OF".

FLORIDA PRODUCT APPROVAL:
FL46133

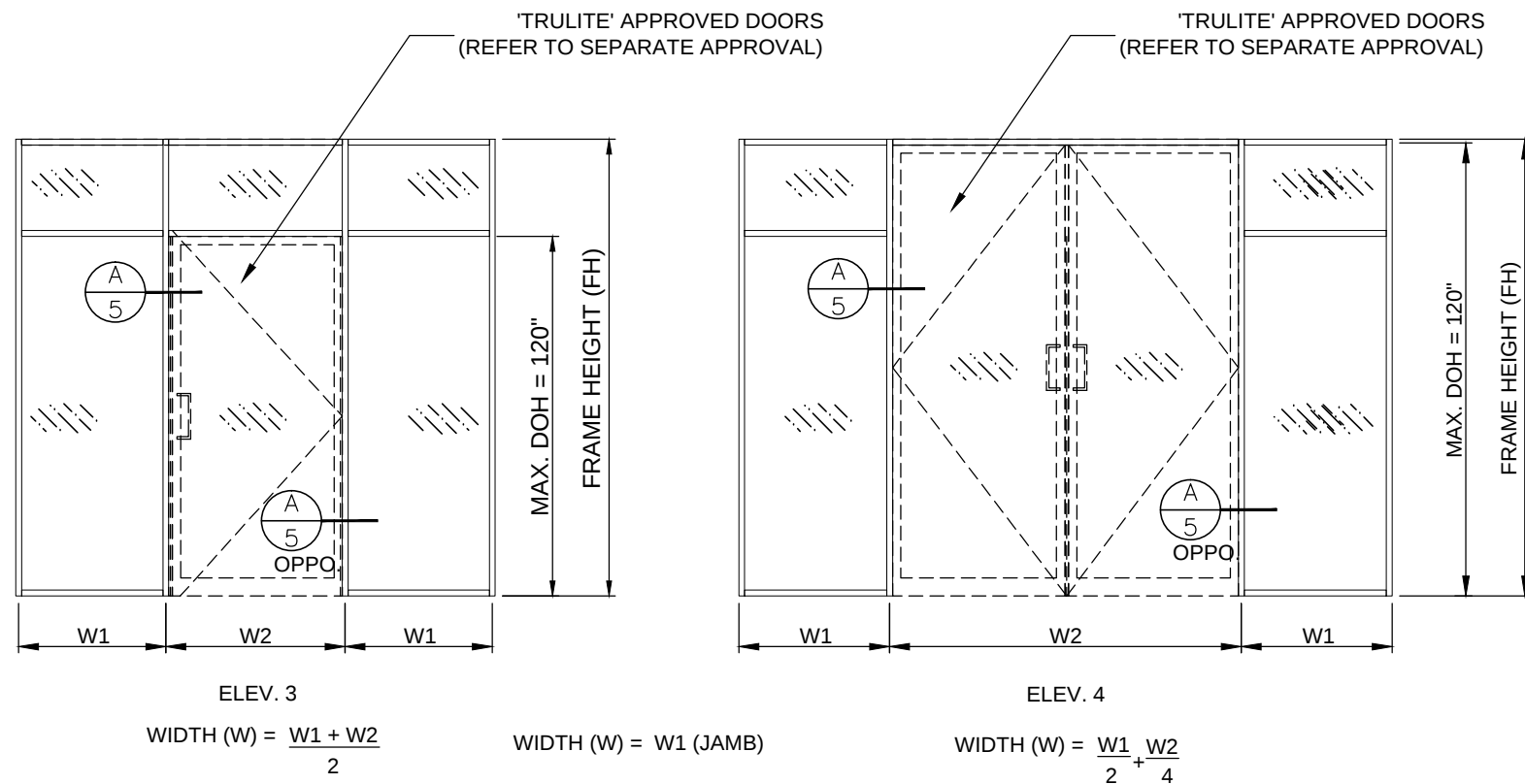
DATE: DEC. 15, 2023	
DRAWN: ML	CHK: ESN
DRWG. No: 23FL-100	SCALE: NTS

SHEET NO.:



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

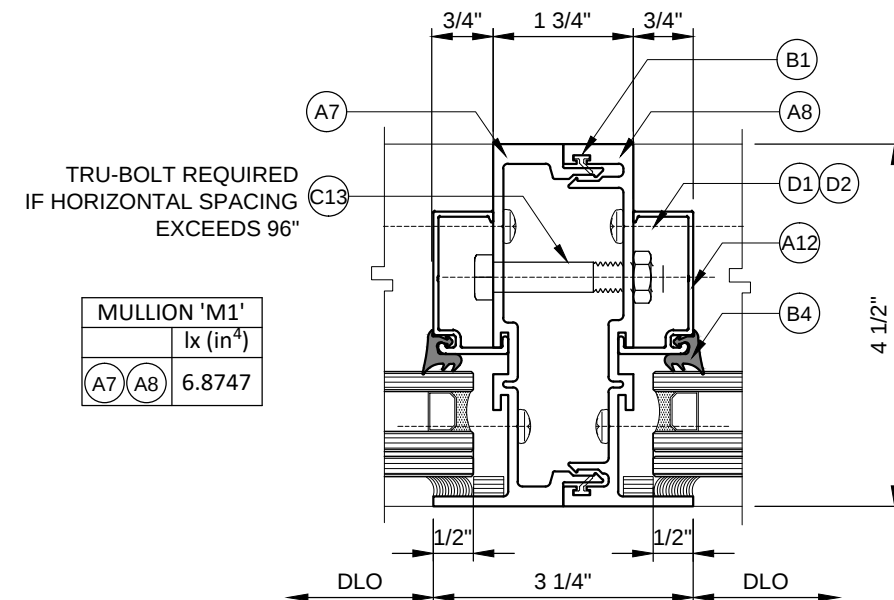
$$\text{WIDTH (W)} = W1 \text{ (JAMB)}$$



$$\text{WIDTH (W)} = W1 \text{ (JAMB)}$$

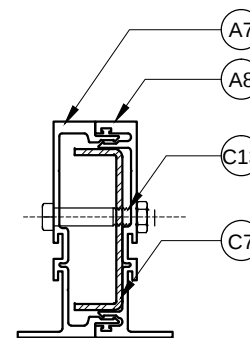
$$\text{WIDTH (W)} = \frac{W1}{2} + \frac{W2}{4}$$

ELEVATIONS

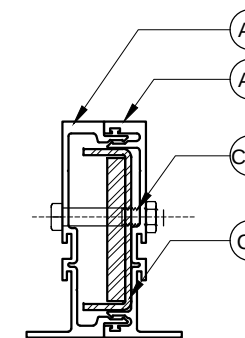


MULLION 'M1'		lx (in ⁴)
A7	A8	6.8747

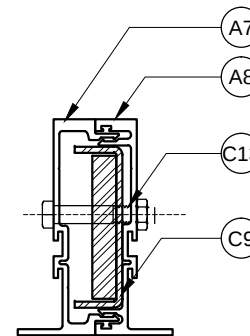
A STANDARD MULLION
REFER TO ELEV. 1



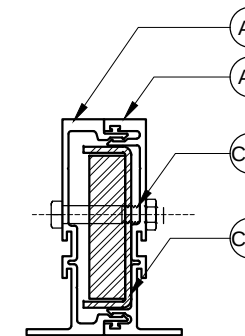
MULLION 'M2'		lx (in ⁴)
A7	A8	6.875
C7 (in Alum)		2.930
TOTAL		9.805



MULLION 'M3'		lx (in ⁴)
A7	A8	6.875
C8 (in Alum)		5.377
TOTAL		12.252



MULLION 'M4'		lx (in ⁴)
A7	A8	6.875
C9 (in Alum)		6.193
TOTAL		13.067



MULLION 'M5'		lx (in ⁴)
A7	A8	6.875
C10 (in Alum)		7.824
TOTAL		14.699

MULLION OPTIONS

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**3300 IMPACT
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LMI (HVHZ)

Resistor
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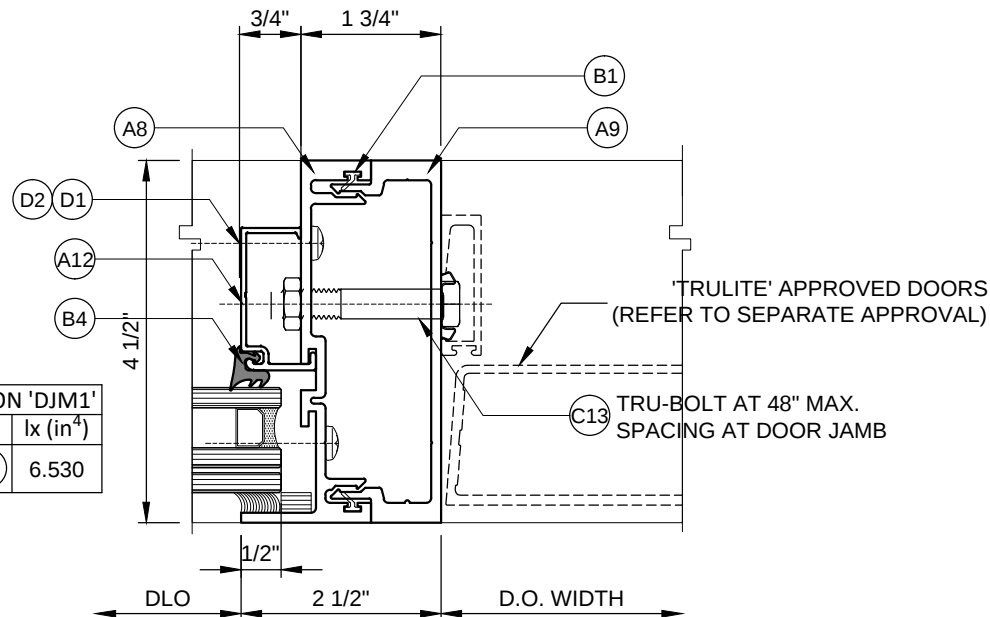
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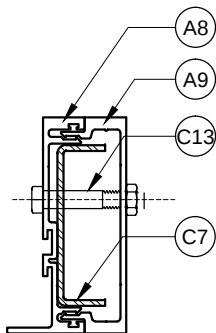
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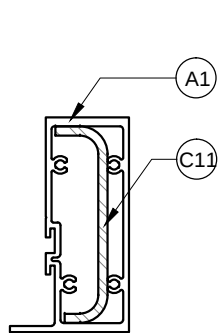
4 OF 17



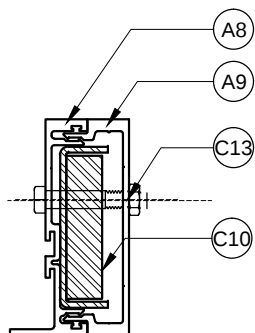
A DOOR JAMB-MULLION
REFER TO ELEVS. 2, 3, 4



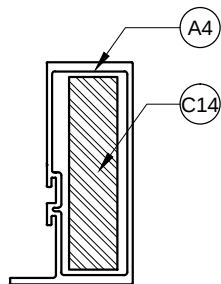
MULLION 'DJM2'	
	Ix (in ⁴)
A8 A9	6.530
C7 (in Alum)	2.930
TOTAL	9.461



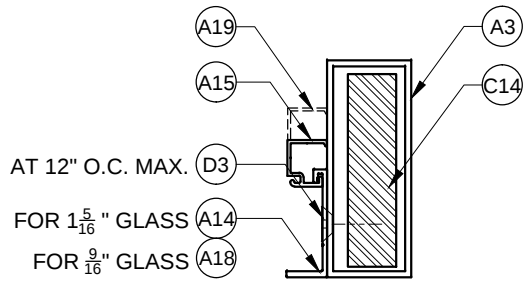
MULLION 'DJM2a'	
	Ix (in ⁴)
A1	5.345
C11 (in Alum)	5.113
TOTAL	10.459



MULLION 'DJM5'	
	Ix (in ⁴)
A8 A9	6.530
C10 (in Alum)	7.824
TOTAL	14.354



MULLION 'DJM5a'	
	Ix (in ⁴)
A4	4.823
C14 (in Alum)	15.467
TOTAL	20.290



MULLION 'DJM5b'	
	Ix (in ⁴)
A3	3.6934
C14 (in Alum)	15.467
TOTAL	19.160

NOMINAL DIMENSION (in)		MULLION / JAMB CAPACITY (psf) Ext (+) / Int. (-)							
		M1	DJM1	M2	DJM2/ DJM2a	M3	M4	M5/ DJM5	DJM5a/ DJM5b
W	H								
30"	78"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
36"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
42"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
48"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
54"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
60"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
66"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
72"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
30"	84"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
36"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
42"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
48"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
54"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
60"		85.0	85.0	94.0	91.0	94.0	94.0	94.0	94.0
66"		85.0	85.0	94.0	82.7	94.0	75.0	94.0	94.0
72"		-	-	91.7	75.8	94.0	75.0	94.0	94.0
30"	90"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
36"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
42"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
48"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
54"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
60"		84.9	84.9	94.0	94.0	94.0	94.0	94.0	94.0
66"		-	-	93.3	87.5	94.0	94.0	94.0	94.0
72"		-	-	75.0	75.0	75.0	75.0	75.0	75.0
30"	96"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
36"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
42"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
48"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
54"		85.0	84.0	94.0	94.0	94.0	94.0	94.0	94.0
60"		79.6	75.6	90.2	87.0	94.0	94.0	94.0	94.0
66"		-	-	75.0	75.0	75.0	75.0	75.0	75.0
72"		-	-	70.2	70.2	75.0	75.0	75.0	75.0
30"	102"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
36"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
42"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
48"		82.9	78.8	94.0	94.0	94.0	94.0	94.0	94.0
54"		73.7	70.0	88.7	85.6	94.0	94.0	94.0	94.0
60"		-	-	74.6	74.6	75.0	75.0	75.0	75.0
66"		-	-	67.8	67.8	75.0	75.0	75.0	75.0
72"		-	-	62.2	62.2	72.1	72.1	72.1	72.1
30"	108"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
36"		85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
42"		79.8	75.8	94.0	94.0	94.0	94.0	94.0	94.0
48"		69.9	66.4	89.1	85.9	94.0	94.0	94.0	94.0
54"		-	-	79.2	76.4	94.0	94.0	94.0	94.0
60"		-	-	66.5	66.5	75.0	75.0	75.0	75.0
66"		-	-	60.5	60.5	74.2	74.2	74.2	74.2
72"		-	-	60.5	60.5	74.2	74.2	74.2	74.2
30"	114"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
36"		79.2	75.2	94.0	94.0	94.0	94.0	94.0	94.0
42"		67.9	64.5	91.3	88.1	94.0	94.0	94.0	94.0
48"		59.4	56.4	79.9	77.1	94.0	94.0	94.0	94.0
54"		-	-	66.4	66.4	75.0	75.0	75.0	75.0
60"		-	-	59.7	59.7	75.0	75.0	75.0	75.0
66"		-	-	54.3	54.3	68.2	70.3	70.3	70.3
72"		-	-	54.3	54.3	68.2	70.3	70.3	70.3

Table 2 | MULLION / DOOR JAMB-MULLION
LOAD CAPACITY (Refer to Elevs. 1, 2, 3, 4)

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PRODUCT:

3300 IMPACT
STOREFRONT SYSTEM

LMI (HVHZ)

Resistor

PRODUCT SERIES

REV#	DATE/REMARKS

ENGINEER:

En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

STAMP:

ERNESTO NICOLAS

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PROFESSIONAL ENGINEER

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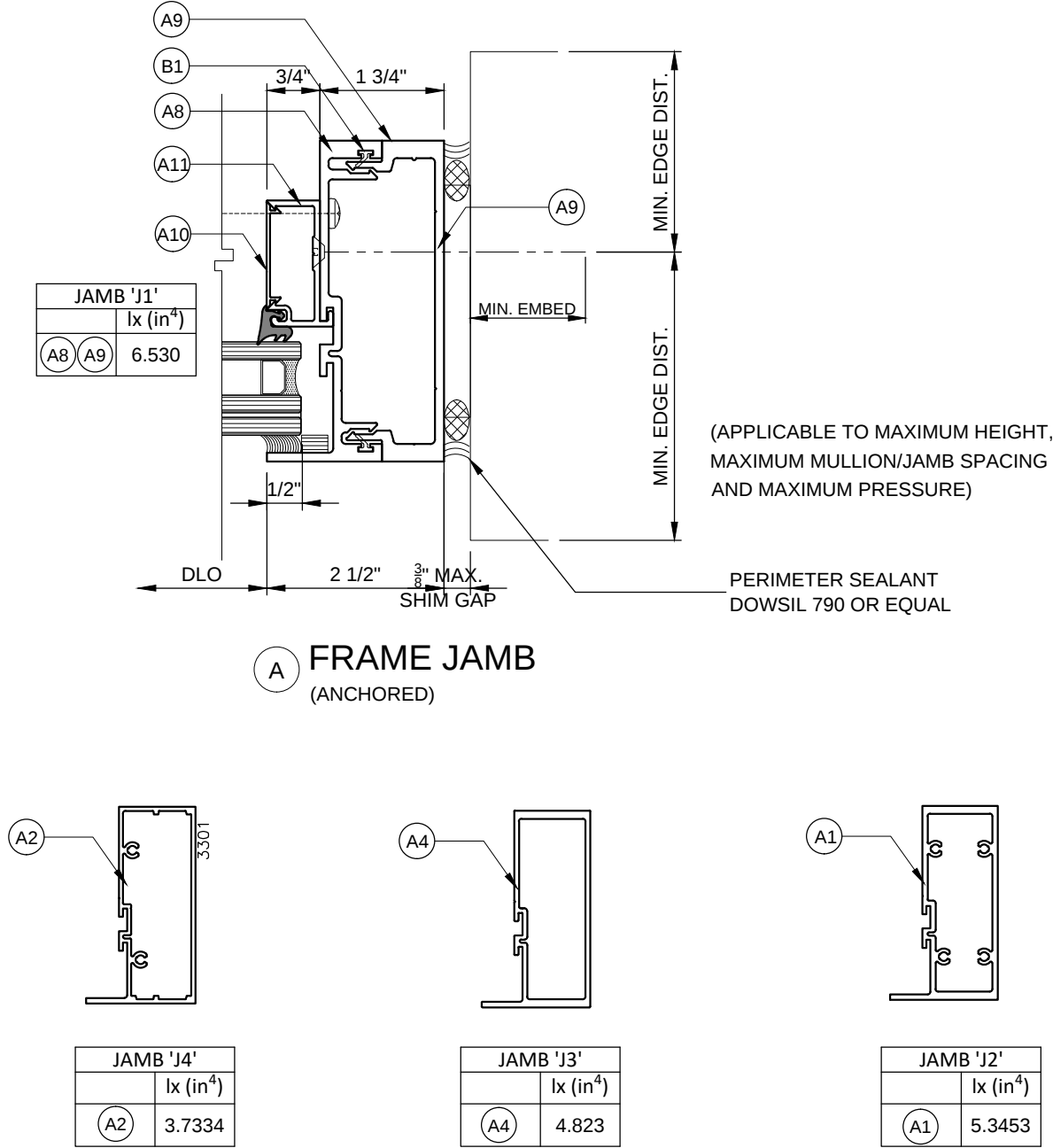
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MULLION / JAMB CAPACITY (psf) Ext (+) / Int. (-)									
NOMINAL DIMENSION (in)		M1	DJM1	M2	DJM2/ DJM2a	M3	M4	M5/ DJM5	DJM5a/ DJM5b
W	H								
24"	120"	85.0	85.0	94.0	94.0	94.0	94.0	94.0	94.0
30"		81.5	77.4	94.0	94.0	94.0	94.0	94.0	94.0
36"		67.9	64.5	92.6	90.5	94.0	94.0	94.0	94.0
42"		58.2	55.3	80.3	79.5	94.0	94.0	94.0	94.0
48"		50.9	48.4	70.3	69.6	87.8	88.1	94.0	94.0
54"		-	-	62.5	61.9	78.1	83.3	92.1	92.1
60"	126"	-	-	56.3	55.7	70.3	75.0	82.9	82.9
24"		85.0	83.6	94.0	94.0	94.0	94.0	94.0	94.0
30"		70.4	66.9	94.0	94.0	94.0	94.0	94.0	94.0
36"		58.7	55.7	81.6	80.7	94.0	94.0	94.0	94.0
42"		50.3	47.8	69.9	69.2	87.4	91.6	94.0	94.0
48"		-	-	61.1	60.5	76.4	81.5	91.9	94.0
54"	132"	-	-	54.4	53.8	68.0	72.4	81.6	83.6
60"		-	-	48.9	48.4	61.1	65.2	73.5	75.2
24"		76.5	72.7	94.0	94.0	94.0	94	94.0	94.0
30"		61.2	58.1	85.1	84.2	94.0	94.0	94.0	94.0
36"		51.0	48.5	71.0	70.2	88.6	91.6	94.0	94.0
42"		43.7	41.5	60.8	60.2	76.0	81.0	91.3	91.3
48"	138"	-	-	53.2	52.7	66.5	70.9	79.9	82.9
54"		-	-	47.3	46.8	59.1	63.0	71.0	73.7
24"		67.0	63.6	91.6	92.2	94.0	94.0	94.0	94.0
30"		53.6	50.9	74.5	73.7	91.2	91.6	94.0	94.0
36"		44.6	42.4	62.1	61.4	77.6	82.8	93.2	93.2
42"		-	-	53.2	52.7	66.5	70.9	79.9	83.0
48"	144"	-	-	46.6	46.1	58.2	62.0	65.4	72.6
54"		-	-	41.3	41.0	51.7	55.2	58.0	64.5
24"		58.9	56.0	82.0	81.1	91.6	91.6	94.0	94.0
30"		47.2	44.8	65.5	64.9	81.9	87.4	94.0	94.0
36"		39.3	37.3	54.6	54.1	68.3	72.8	82.0	85.2
42"		-	-	46.8	46.3	58.5	62.4	70.3	73.0
48"		-	-	41.0	40.6	51.2	54.6	61.5	63.9

Table 2 Cont. | MULLION / DOOR JAMB-MULLION
LOAD CAPACITY (Refer to Elevs. 1, 2, 3, 4)



ANCHORED FRAME JAMB OPTIONS

TABLE A - JAMB ANCHOR SPACING (in)						
ANCHOR TYPE	MAX. 1/4" SHIM GAP			MAX. 3/8" SHIM GAP		
	MULLION SPACING (in)					
	≤ 48	≤ 60	≤ 72	≤ 48	≤ 60	≤ 72
A	12	10	8	10	8	7
B	15	12	10	15	12	10
C	15	12	10	10	8	7
D	22	17	14	15	12	10
E	17	13	11	15	12	10
F	18	14	12	12	10	8

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PRODUCT:

**3300 IMPACT
STOREFRONT SYSTEM**

LMI (HVHZ)

Resistor
PRODUCT SERIES

REV#	DATE/REMARKS

ENGINEER:

En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
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Email: en3.engconsul@gmail.com

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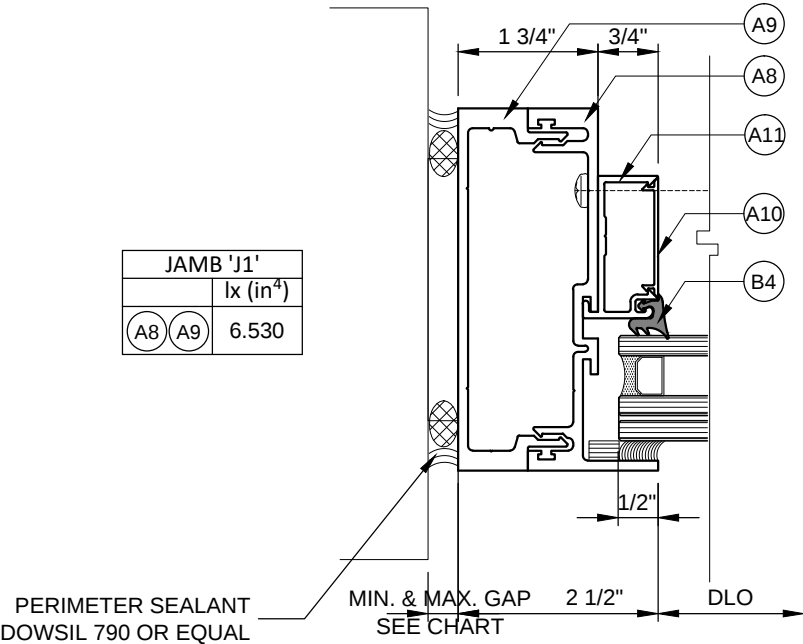
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RECOMMENDED FRAME GAP ON UN-ANCHORED JAMB USING DOWSIL 790 SEALANT (3/4\"				
Jamb Height (ft.)	≤6	≤8	≤10	≤12
Min. gap (in)	1/4	5/16	3/8	1/2

ALTERNATE SEALANT AT JAMB GAP
CAN BE DESIGNED BY ENGINEER
OF RECORD BASED ON MANUFACTURER'S
GUIDE LINES

A FRAME JAMB (UN-ANCHORED)
REFER TO ELEVS. 1, 2, 3, 4

JAMB 'J2'	lx (in ⁴)
A1	5.3453

JAMB 'J3'	lx (in ⁴)
A4	4.823

JAMB 'J4'	lx (in ⁴)
A2	3.7334

JAMB J1R	lx (in ⁴)
A8 A9	6.530
C7 (in Alum)	2.930
TOTAL	9.460

JAMB 'J2R'	lx (in ⁴)
A1	5.345
C11 (in Alum)	5.113
TOTAL	10.459

FRAME JAMB OPTIONS

DIMENS. (in)		JAMB CAPACITY (psf) Ext (+) / Int. (-)				
		J1	J2	J3	J4	J1R / J2R
72	78	85.0	85.0	85.0	85.0	94.0
72	84	85.0	85.0	85.0	85.0	94.0
66	90	80.6	80.6	80.6	80.6	94.0
60	96	85.0	85.0	85.0	85.0	94.0
48	102	85.0	85.0	85.0	85.0	94.0
54	102	83.7	83.7	83.7	80.1	94.0
60	102	75.3	75.3	75.3	72.0	94.0
72	102	62.7	62.7	62.7	60.0	94.0
42	108	85.0	85.0	85.0	85.0	94.0
48	108	84.0	84.0	84.0	75.9	94.0
54	108	74.6	74.6	74.6	67.4	94.0
60	108	67.2	67.2	67.2	60.7	94.0
36	114	85.0	85.0	85.0	85.0	94.0
42	114	85.0	85.0	85.0	73.7	94.0
48	114	75.3	75.3	75.3	64.5	94.0
54	114	67.0	67.0	67.0	57.3	94.0
60	114	60.3	60.3	60.3	51.6	91.9
30	120	85.0	85.0	85.0	85.0	94.0
36	120	85.0	85.0	85.0	73.7	94.0
42	120	77.7	77.7	77.7	63.2	94.0
48	120	68.0	68.0	68.0	55.3	94.0
54	120	60.4	60.4	60.4	49.2	92.1
24	126	85.0	85.0	85.0	85.0	94.0
30	126	85.0	85.0	85.0	76.4	94.0
36	126	82.2	82.2	82.2	63.7	94.0
42	126	70.5	70.5	70.5	54.6	94.0
48	126	61.7	61.7	61.7	47.8	94.0
24	132	85.0	85.0	85.0	83.1	94.0
30	132	85.0	85.0	85.0	66.5	94.0
36	132	74.9	74.9	71.6	55.4	94.0
42	132	64.2	64.2	61.4	47.5	94.0
24	138	85.0	85.0	85.0	72.7	94.0
30	138	82.3	82.3	75.2	58.2	94.0
36	138	68.6	68.6	62.6	48.5	94.0
42	138	58.8	58.8	53.7	41.6	89.6
24	144	85.0	85.0	82.7	64.0	94.0
30	144	75.6	73.3	66.2	51.2	94.0
36	144	63.0	61.1	55.1	42.7	94.0
42	144	54.0	52.4	47.3	36.6	82.3

Table 3 | FRAME JAMB LOAD CAPACITY
(Refer to Elevs. 1, 2, 3, 4)

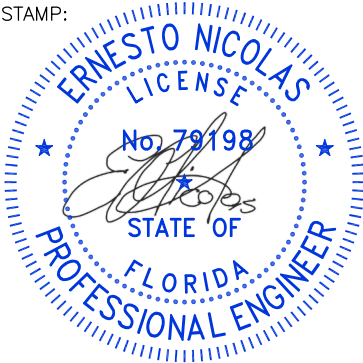
PRODUCT:
**3300 IMPACT
STOREFRONT SYSTEM**
LMI (HVHZ)



REVN	DATE/REMARKS

ENGINEER:

En3 Engineering & Consultancy
950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com



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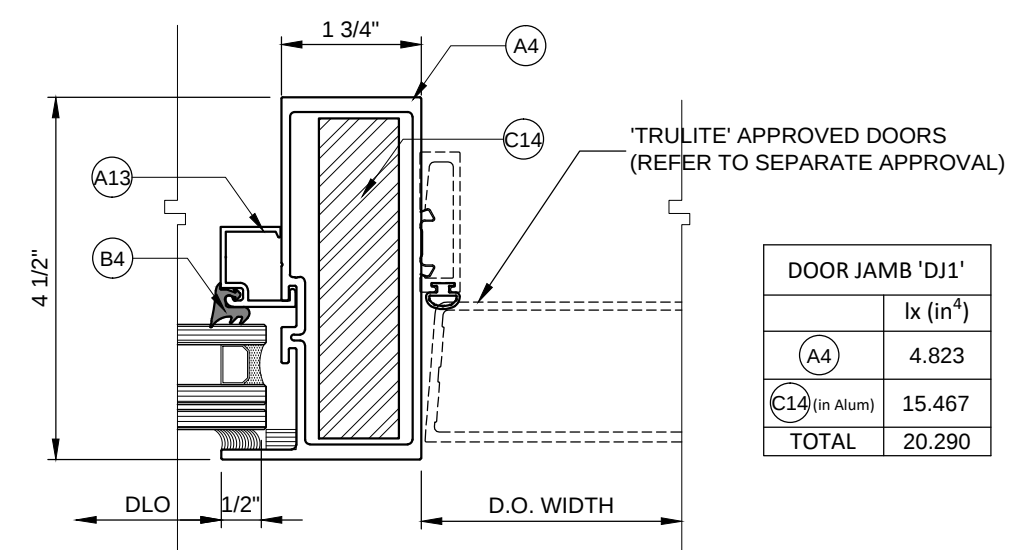
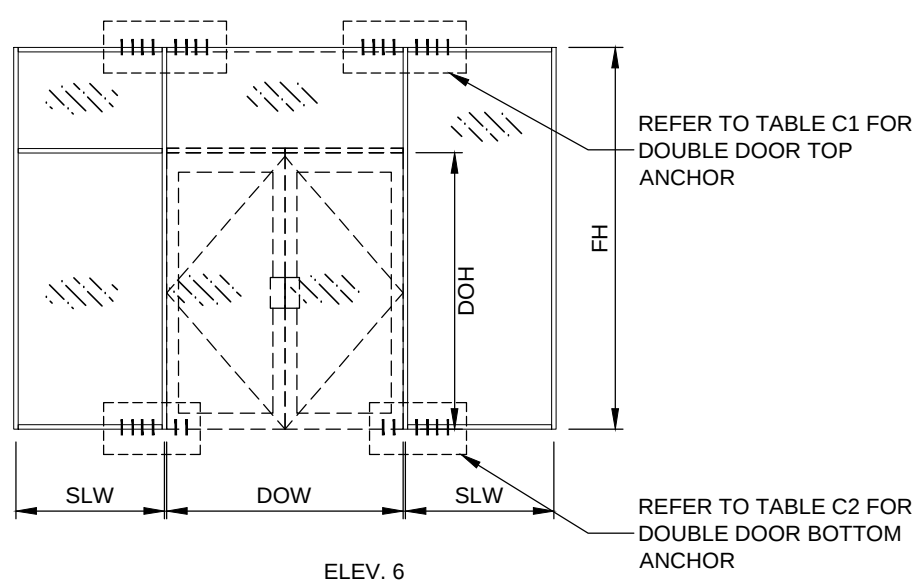
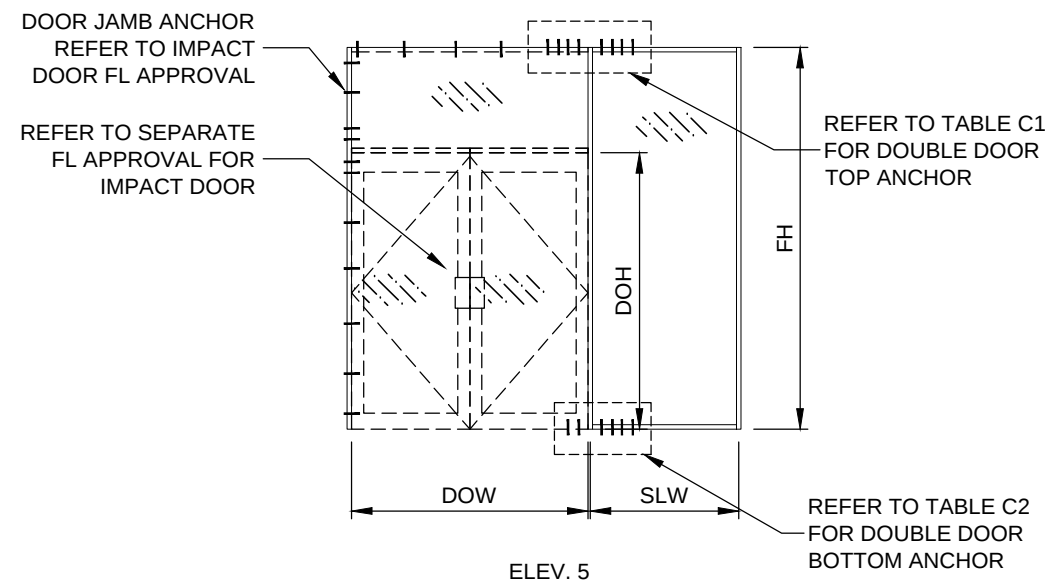
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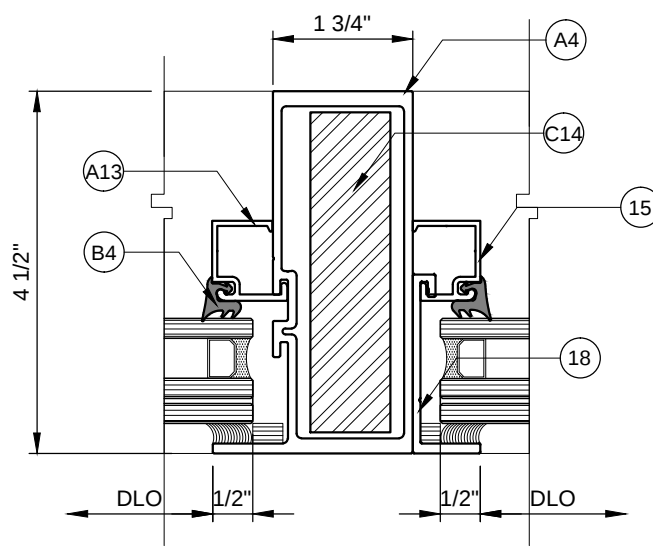
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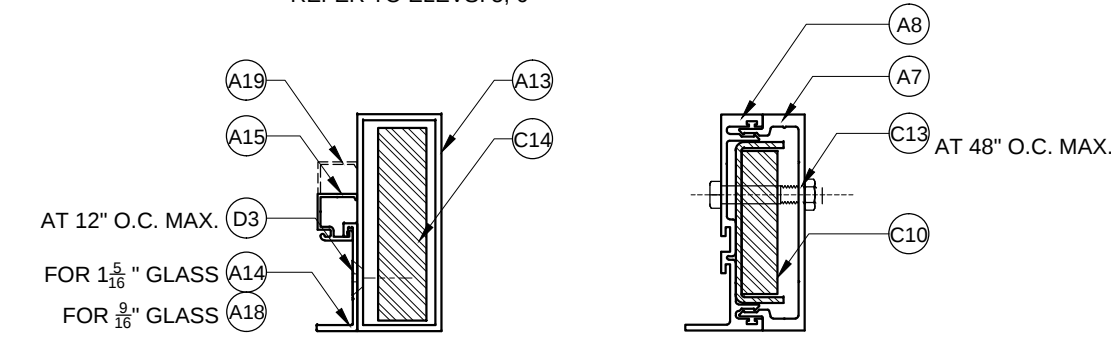
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DOOR JAMB 'DJ1'	
	Ix (in ⁴)
A4	4.823
C14 (in Alum)	15.467
TOTAL	20.290



B DOOR JAMB AT TRANSOM
REFER TO ELEVS. 5, 6



DOOR JAMB 'DJ2'	
	Ix (in ⁴)
A13	3.6934
C14 (in Alum)	15.467
TOTAL	19.160

DOOR JAMB 'DJ3'	
	Ix (in ⁴)
A8 A9	6.530
C10 (in Alum)	7.824
TOTAL	14.354

DOOR JAMB OPTIONS

TABLE C1 - ANCHOR AT DOUBLE DOOR JAMB TOP		
ANCHOR TYPE	1/4" Shim	3/8" Shim
A	11	13
B	9	9
C	9	13
D	6	9
E	8	9
F	8	11

TABLE C2 - ANCHOR AT DOUBLE DOOR JAMB BOTTOM		
ANCHOR TYPE	1/4" Shim	3/8" Shim
C	6	9
D	5	6

DOOR JAMB CAPACITY (psf)								
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3		
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)	
102	60	72	84	65.0	85.0	75.0	75.0	
108	60	72	84	65.0	85.0	75.0	75.0	
114	60	72	84	65.0	85.0	75.0	75.0	
120	54	72	84	65.0	85.0	75.0	75.0	
120	60	72	84	65.0	85.0	-	-	
126	42	72	84	65.0	85.0	72.0	72.0	
126	48	72	84	65.0	85.0	68.4	68.4	
126	54	72	84	65.0	85.0	-	-	
126	60	72	84	65.0	85.0	-	-	
132	24	72	84	65.0	85.0	72.0	72.0	
132	30	72	84	65.0	85.0	70.0	70.0	
132	36	72	84	65.0	85.0	65.8	65.8	
132	42	72	84	65.0	85.0	62.1	62.1	
132	48	72	84	65.0	85.0	-	-	
132	54	72	84	65.0	81.6	-	-	
132	60	72	84	65.0	79.7	-	-	
144	24	72	84	65.0	81.6	56.5	56.5	
144	30	72	84	65.0	79.6	52.9	52.9	
144	36	72	84	65.0	74.8	-	-	
144	42	72	84	65.0	70.6	-	-	
144	48	72	84	65.0	66.9	-	-	
144	54	72	84	62.4	63.5	-	-	
144	60	72	84	60.5	60.5	-	-	
102	60	72	90	65.0	85.0	75.0	75.0	
108	60	72	90	65.0	85.0	75.0	75.0	
114	60	72	90	65.0	85.0	75.0	75.0	
120	54	72	90	65.0	85.0	75.0	75.0	
120	60	72	90	65.0	85.0	-	-	
126	42	72	90	65.0	85.0	72.0	72.0	
126	48	72	90	65.0	85.0	70.0	70.0	
126	54	72	90	65.0	85.0	-	-	
126	60	72	90	65.0	85.0	-	-	
132	24	72	90	65.0	85.0	72.0	72.0	
132	30	72	90	65.0	85.0	71.7	71.7	
132	36	72	90	65.0	85.0	67.3	67.3	
132	42	72	90	65.0	85.0	63.3	63.3	
132	48	72	90	65.0	85.0	-	-	
132	54	72	90	65.0	81.6	-	-	
132	60	72	90	65.0	81.1	-	-	
144	24	72	90	65.0	81.6	57.3	57.3	
144	30	72	90	65.0	80.7	53.7	53.7	
144	36	72	90	65.0	75.9	-	-	
144	42	72	90	65.0	71.6	-	-	
144	48	72	90	65.0	67.7	-	-	
144	54	72	90	62.4	64.3	-	-	
144	60	72	90	61.2	61.2	-	-	
108	60	72	96	65.0	85.0	75.0	75.0	
114	60	72	96	65.0	85.0	75.0	75.0	
120	54	72	96	65.0	85.0	75.0	75.0	
120	60	72	96	65.0	85.0	-	-	

Table 4 | DOOR JAMB LOAD CAPACITY
(Refer to Elevs. 5, 6)

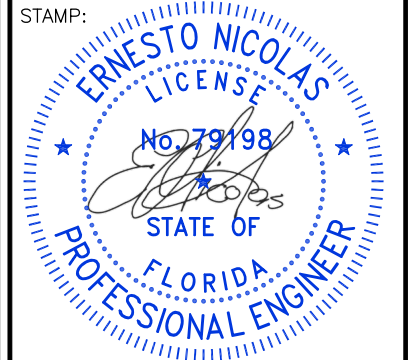
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DOOR JAMB CAPACITY (psf)								
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3		
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)	
126	48	72	96	65.0	85.0	75.0	75.0	
126	54	72	96	65.0	85.0	-	-	
126	60	72	96	65.0	85.0	-	-	
132	30	72	96	65.0	85.0	72.0	72.0	
132	36	72	96	65.0	85.0	69.1	69.1	
132	42	72	96	65.0	85.0	65.0	65.0	
132	48	72	96	65.0	85.0	-	-	
132	54	72	96	65.0	85.0	-	-	
132	60	72	96	65.0	85.0	-	-	
138	24	72	96	65.0	85.0	67.7	67.7	
138	30	72	96	65.0	85.0	63.2	63.2	
138	36	72	96	65.0	85.0	59.3	59.3	
138	42	72	96	65.0	81.6	-	-	
138	48	72	96	65.0	79.3	-	-	
138	54	72	96	65.0	75.2	-	-	
138	60	72	96	65.0	71.4	-	-	
144	24	72	96	65.0	85.0	58.6	58.6	
144	30	72	96	65.0	81.6	54.7	54.7	
144	36	72	96	65.0	77.3	-	-	
144	42	72	96	65.0	72.8	-	-	
144	48	72	96	65.0	68.8	-	-	
144	54	72	96	62.4	65.3	-	-	
144	60	72	96	62.1	62.1	-	-	
114	60	72	102	65.0	85.0	75.0	75.0	
120	54	72	102	65.0	85.0	75.0	75.0	
120	60	72	102	65.0	85.0	-	-	
126	48	72	102	65.0	85.0	75.0	75.0	
126	54	72	102	65.0	85.0	-	-	
126	60	72	102	65.0	85.0	-	-	
132	30	72	102	65.0	85.0	72.0	72.0	
132	36	72	102	65.0	85.0	71.4	71.4	
132	42	72	102	65.0	85.0	67.0	67.0	
132	48	72	102	65.0	85.0	-	-	
132	54	72	102	65.0	85.0	-	-	
132	60	72	102	65.0	85.0	-	-	
144	24	72	102	65.0	81.6	60.1	60.1	
144	30	72	102	65.0	81.6	56.1	56.1	
144	36	72	102	65.0	79.1	-	-	
144	42	72	102	65.0	74.4	-	-	
144	48	72	102	65.0	70.3	-	-	
144	54	72	102	65.0	66.6	-	-	
144	60	72	102	65.0	63.2	-	-	
120	54	72	108	65.0	85.0	75.0	75.0	
120	60	72	108	65.0	85.0	-	-	
126	48	72	108	65.0	85.0	75.0	75.0	
126	54	72	108	65.0	85.0	-	-	
126	60	72	108	65.0	85.0	-	-	
132	36	72	108	65.0	85.0	72.0	72.0	
132	42	72	108	65.0	85.0	69.5	69.5	
132	48	72	108	65.0	85.0	-	-	
132	54	72	108	65.0	85.0	-	-	
132	60	72	108	65.0	85.0	-	-	

DOOR JAMB CAPACITY (psf)								
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3		
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)	
144	24	72	108	65.0	85.0	62.1	62.1	
144	30	72	108	65.0	81.6	57.8	57.8	
144	36	72	108	65.0	81.3	-	-	
144	42	72	108	65.0	76.4	-	-	
144	48	72	108	65.0	72.0	-	-	
144	54	72	108	65.0	68.1	-	-	
144	60	72	108	65.0	64.6	-	-	
126	48	72	114	65.0	85.0	75.0	75.0	
126	54	72	114	65.0	85.0	-	-	
126	60	72	114	65.0	85.0	-	-	
132	42	72	114	65.0	85.0	75.0	75	
132	48	72	114	65.0	85.0	-	-	
132	54	72	114	65.0	81.6	-	-	
132	60	72	114	65.0	80.7	-	-	
144	24	72	114	65.0	85.0	64.4	64.4	
144	30	72	114	65.0	85.0	59.8	59.8	
144	36	72	114	65.0	81.6	-	-	
144	42	72	114	65.0	78.7	-	-	
144	48	72	114	65.0	74.1	-	-	
144	54	72	114	65.0	70.0	-	-	
144	60	72	114	65.0	66.3	-	-	
132	42	72	120	65.0	85.0	75.0	75.0	
132	48	72	120	65.0	85.0	-	-	
132	54	72	120	65.0	81.6	-	-	
132	60	72	120	65.0	79.7	-	-	
144	24	72	120	65.0	85.0	67.2	67.2	
144	30	72	120	65.0	85.0	62.2	62.2	
144	36	72	120	65.0	81.6	-	-	
144	42	72	120	65.0	81.5	-	-	
144	48	72	120	65.0	76.5	-	-	
144	54	72	120	65.0	72.2	-	-	
144	60	72	120	65.0	68.3	-	-	

DOOR JAMB CAPACITY (psf)								
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3		
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)	
102	60	84	84	65.0	85.0	75.0	75.0	
108	54	84	84	65.0	85.0	75.0	75.0	
108	60	84	84	65.0	85.0	-	-	
114	48	84	84	65.0	85.0	75.0	75.0	
114	54	84	84	65.0	85.0	-	-	
114	60	84	84	65.0	85.0	-	-	
120	42	84	84	65.0	85.0	75.0	75.0	
120	48	84	84	65.0	85.0	-	-	
120	54	84	84	65.0	85.0	-	-	
120	60	84	84	65.0	85.0	-	-	
126	30	84	84	65.0	85.0	72.0	72.0	
126	36	84	84	65.0	85.0	69.6	69.6	
126	42	84	84	65.0	85.0	-	-	
126	48	84	84	65.0	85.0	-	-	

DOOR JAMB CAPACITY (psf)								
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3		
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)	
126	54	84	84	65.0	85.0	-	-	
126	60	84	84	65.0	85.0	-	-	
132	24	84	84	65.0	85.0	66.9	66.9	
132	30	84	84	65.0	85.0	63.1	63.1	
132	36	84	84	65.0	85.0	-	-	
132	42	84	84	65.0	81.6	-	-	
132	48	84	84	65.0	80.8	-	-	
132	54	84	84	65.0	77.0	-	-	
132	60	84	84	65.0	73.6	-	-	
144	24	84	84	65.0	75.9	-	-	
144	30	84	84	65.0	71.6	-	-	
144	36	84	84	65.0	67.7	-	-	
144	42	84	84	62.4	64.3	-	-	
144	48	84	84	61.2	61.2	-	-	
144	54	84	84	58.3	58.3	-	-	
144	60	84	84	55.8	55.8	-	-	
102	60	84	90	65.0	85.0	75.0	75.0	
108	54	84	90	65.0	85.0	75.0	75.0	
108	60	84	90	65.0	85.0	-	-	
114	48	84	90	65.0	85.0	75.0	75.0	
114	54	84	90	65.0	85.0	-	-	
114	60	84	90	65.0	85.0	-	-	
120	42	84	90	65.0	85.0	75.0	75.0	
120	48	84	90	65.0	85.0	-	-	
120	54	84	90	65.0	85.0	-	-	
120	60	84	90	65.0	85.0	-	-	
126	30	84	90	65.0	85.0	72.0	72.0	
126	36	84	90	65.0	85.0	71.6	71.6	
126	42	84	90	65.0	85.0	-	-	
126	48	84	90	65.0	85.0	-	-	
126	54	84	90	65.0	81.6	-	-	
126	60	84	90	65.0	81.5	-	-	
132	24	84	90	65.0	85.0	68.7	68.7	
132	30	84	90	65.0	85.0	64.6	64.6	
132	36	84	90	65.0	85.0	-	-	
132	42	84	90	65.0	85.0	-	-	
132	48	84	90	65.0	81.6	-	-	
132	54	84	90	65.0	78.5	-	-	
132	60	84	90	65.0	75.0	-	-	
144	24	84	90	65.0	77.1	-	-	
144	30	84	90	65.0	72.7	-	-	
144	36	84	90	65.0	68.7	-	-	
144	42	84	90	62.4	65.2	-	-	
144	48	84	90	62.0	62.0	-	-	
144	54	84	90	59.1	59.1	-	-	
144	60	84	90	56.4	56.4	-	-	
108	54	84	96	65.0	85.0	75.0	75.0	
108	60	84	96	65.0	85.0	-	-	
114	48	84	96	65.0	85.0	75.0	75.0	
114	54	84	96	65.0	85.0	-	-	
114	60	84	96	65.0	85.0	-	-	

DOOR JAMB CAPACITY (psf)								
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3		
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int(-)	
120	42	84	96	65.0	85.0	75.0	75.0	
120	48	84	96	65.0	85.0	-	-	
120	54	84	96	65.0	85.0	-	-	
120	60	84	96	65.0	85.0	-	-	
126	36	84	96	65.0	85.0	75.0	75.0	
126	42	84	96	65.0	85.0	-	-	
126	48	84	96	65.0	85.0	-	-	
126	54	84	96	65.0	85.0	-	-	
126	60	84	96	65.0	83.6	-	-	
132	24	84	96	65.0	85.0	71.0	71.0	
132	30	84	96	65.0	85.0	66.6	66.6	
132	36	84	96	65.0	85.0	-	-	
132	42	84	96	65.0	85.0	-	-	
132	48	84	96	65.0	81.6	-	-	
132	54	84	96	65.0	80.5	-	-	
132	60	84	96	65.0	76.7	-	-	
138	24	84	96	65.0	85.0	60.7	60.7	
138	30	84	96	65.0	81.6	-	-	
138	36	84	96	65.0	80.9	-	-	
138	42	84	96	65.0	76.6	-	-	
138	48	84	96	65.0	72.7	-	-	
138	54	84	96	65.0	69.2	-	-	
138	60	84	96	65.0	66.0	-	-	
144	24	84	96	65.0	78.8	-	-	
144	30	84	96	65.0	74.2	-	-	
144	36	84	96	65.0	70.1	-	-	
144	42	84	96	65.0	66.4	-	-	
144	48	84	96	62.4	63.1	-	-	
144	54	84	96	60.1	60.1	-	-	
144	60	84	96	57.3	57.3	-	-	
114	48	84	102	65.0	85.0	75.0	75.0	
114	54	84	102	65.0	85.0	-	-	
114	60	84	102	65.0	85.0	-	-	
120	42	84	102	65.0	85.0	75.0	75.0	
120	48	84	102	65.0	85.0	-	-	
120	54	84	102	65.0	85.0	-	-	
120	60	84	102	65.0	85.0	-	-	
126	36	84	102	65.0	85.0	75.0	75.0	
126	42	84	102	65.0	85.0	-	-	
126	48	84	102	65.0	85.0	-	-	
126	54	84	102	65.0	81.6	-	-	
126	60	84	102	65.0	79.1	-	-	
132	24	84	102	65.0	85.0	72.0	72.0	
132	30	84	102	65.0	85.0	69.1	69.1	
132	36	84	102	65.0	85.0	-	-	
132	42	84	102	65.0	85.0	-	-	
132	48	84	102	65.0	81.6	-	-	
132	54	84	102	65.0	79.9	-	-	
132	60	84	102	65.0	76.3	-	-	
144	24	84	102	65.0	81.0	-	-	
144	30	84	102	65.0	76.1	-	-	

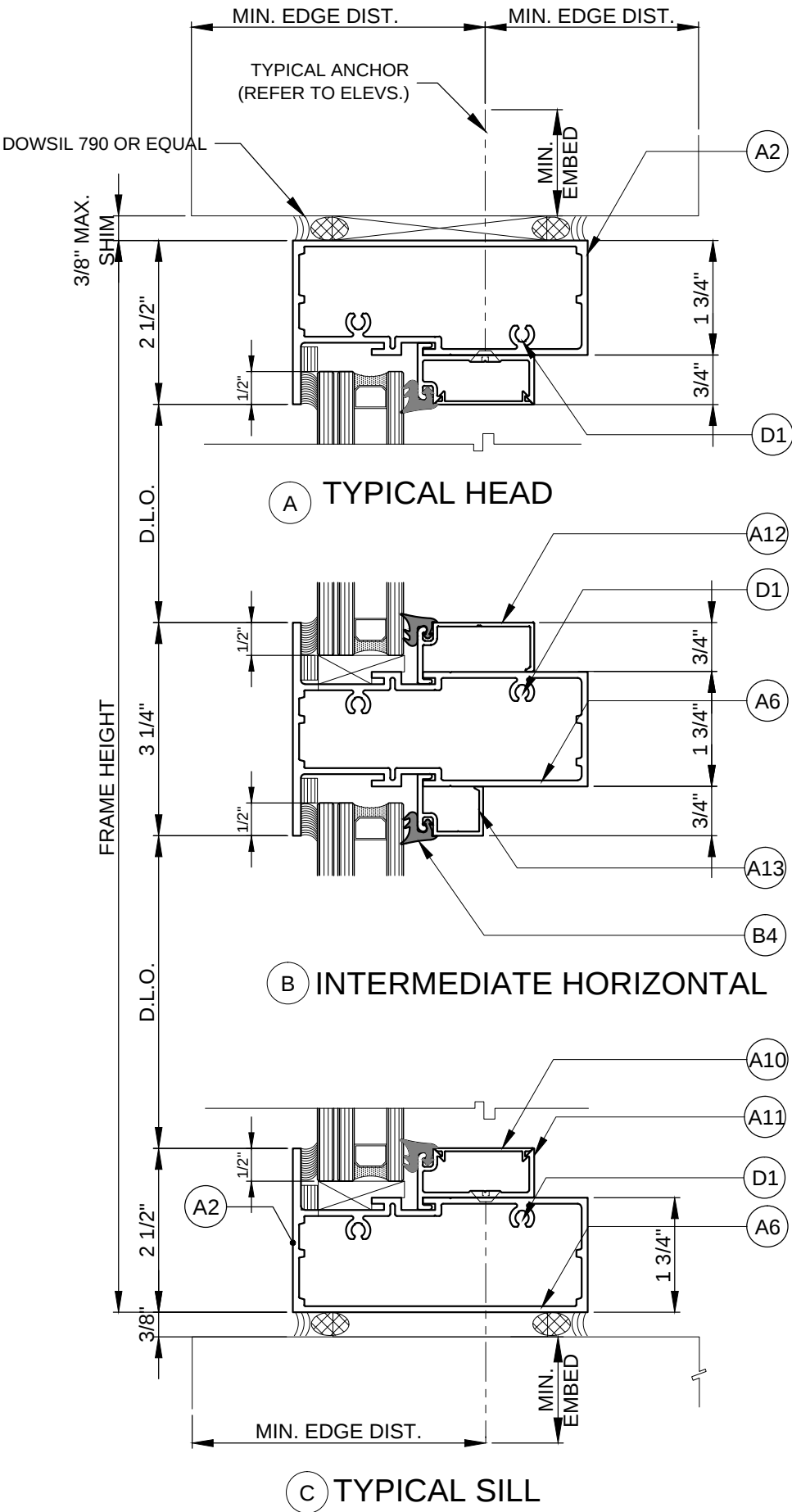
DOOR JAMB CAPACITY (psf)							
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3	
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)
144	24	84	120	65.0	85.0	-	-
144	30	84	120	65.0	81.6	-	-
144	36	84	120	65.0	79.5	-	-
144	42	84	120	65.0	74.8	-	-
144	48	84	120	65.0	70.6	-	-
144	54	84	120	65.0	66.9	-	-
144	60	84	120	65.0	63.5	-	-

DOOR JAMB CAPACITY (psf)							
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3	
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)
102	48	96	84	65.0	85.0	75.0	75.0
102	54	96	84	65.0	85.0	-	-
102	60	96	84	65.0	85.0	-	-
108	42	96	84	65.0	85.0	75.0	75.0
108	48	96	84	65.0	85.0	-	-
108	54	96	84	65.0	85.0	-	-
108	60	96	84	65.0	85.0	-	-
114	36	96	84	65.0	85.0	75.0	75.0
114	42	96	84	65.0	85.0	-	-
114	48	96	84	65.0	85.0	-	-
114	54	96	84	65.0	85.0	-	-
114	60	96	84	65.0	85.0	-	-
120	30	96	84	65.0	85.0	75.0	75.0
120	36	96	84	65.0	85.0	-	-
120	42	96	84	65.0	85.0	-	-
120	48	96	84	65.0	85.0	-	-
120	54	96	84	65.0	81.6	-	-
120	60	96	84	65.0	79.8	-	-
126	24	96	84	65.0	85.0	70.8	70.8
126	30	96	84	65.0	85.0	-	-
126	36	96	84	65.0	85.0	-	-
126	42	96	84	65.0	85.0	-	-
126	48	96	84	65.0	81.6	-	-
126	54	96	84	65.0	80.3	-	-
126	60	96	84	65.0	76.9	-	-
132	24	96	84	65.0	85.0	-	-
132	30	96	84	65.0	85.0	-	-
132	36	96	84	65.0	81.6	-	-
132	42	96	84	65.0	78.1	-	-
132	48	96	84	65.0	74.5	-	-
132	54	96	84	65.0	71.3	-	-
132	60	96	84	65.0	68.3	-	-
144	24	96	84	65.0	68.6	-	-
144	30	96	84	62.4	65.1	-	-
144	36	96	84	61.9	61.9	-	-
144	42	96	84	59.0	59.0	-	-
144	48	96	84	56.3	56.3	-	-

DOOR JAMB CAPACITY (psf)							
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3	
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)
144	54	96	84	53.9	53.9	-	-
144	60	96	84	51.7	51.7	-	-
102	48	96	90	65.0	85.0	75.0	75.0
102	54	96	90	65.0	85.0	-	-
102	60	96	90	65.0	85.0	-	-
108	42	96	90	65.0	85.0	75.0	75.0
108	48	96	90	65.0	85.0	-	-
108	54	96	90	65.0	85.0	-	-
108	60	96	90	65.0	85.0	-	-
114	36	96	90	65.0	85.0	75.0	75.0
114	42	96	90	65.0	85.0	-	-
114	48	96	90	65.0	85.0	-	-
114	54	96	90	65.0	81.6	-	-
114	60	96	90	65.0	81.5	-	-
120	30	96	90	65.0	85.0	75.0	75.0
120	36	96	90	65.0	85.0	-	-
120	42	96	90	65.0	85.0	-	-
120	48	96	90	65.0	85.0	-	-
120	54	96	90	65.0	81.6	-	-
120	60	96	90	65.0	78.5	-	-
126	24	96	90	65.0	85.0	75.0	75.0
126	30	96	90	65.0	85.0	-	-
126	36	96	90	65.0	85.0	-	-
126	42	96	90	65.0	85.0	-	-
126	48	96	90	65.0	81.6	-	-
126	54	96	90	65.0	78.9	-	-
126	60	96	90	65.0	75.6	-	-
132	24	96	90	65.0	85.0	-	-
132	30	96	90	65.0	85.0	-	-
132	36	96	90	65.0	81.6	-	-
132	42	96	90	65.0	79.9	-	-
132	48	96	90	65.0	76.1	-	-
132	54	96	90	65.0	72.8	-	-
132	60	96	90	65.0	69.7	-	-
144	24	96	90	65.0	69.7	-	-
144	30	96	90	65.0	66.1	-	-
144	36	96	90	62.4	62.8	-	-
144	42	96	90	59.8	59.8	-	-
144	48	96	90	57.1	57.1	-	-
144	54	96	90	54.6	54.6	-	-
144	60	96	90	52.4	52.4	-	-
108	42	96	96	65.0	85.0	75.0	75.0
108	48	96	96	65.0	85.0	-	-
108	54	96	96	65.0	85.0	-	-
108	60	96	96	65.0	85.0	-	-
114	36	96	96	65.0	85.0	75.0	75.0
114	42	96	96	65.0	85.0	-	-
114	48	96	96	65.0	85.0	-	-
114	54	96	96	65.0	81.6	-	-
114	60	96	96	65.0	80.1	-	-

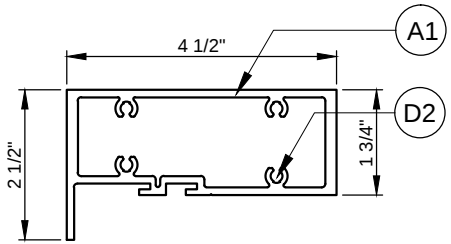
DOOR JAMB CAPACITY (psf)							
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3	
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int (-)
120	30	96	96	65.0	85.0	75.0	75.0
120	36	96	96	65.0	85.0	-	-
120	42	96	96	65.0	85.0	-	-
120	48	96	96	65.0	81.6	-	-
120	54	96	96	65.0	80.4	-	-
120	60	96	96	65.0	77.2	-	-
126	24	96	96	65.0	85.0	75.0	75.0
126	30	96	96	65.0	85.0	-	-
126	36	96	96	65.0	85.0	-	-
126	42	96	96	65.0	81.6	-	-
126	48	96	96	65.0	81.1	-	-
126	54	96	96	65.0	77.6	-	-
126	60	96	96	65.0	74.4	-	-
132	24	96	96	65.0	85.0	-	-
132	30	96	96	65.0	85.0	-	-
132	36	96	96	65.0	85.0	-	-
132	42	96	96	65.0	81.6	-	-
132	48	96	96	65.0	78.3	-	-
132	54	96	96	65.0	74.7	-	-
132	60	96	96	65.0	71.4	-	-
138	24	96	96	65.0	81.6	-	-
138	30	96	96	65.0	78.1	-	-
138	36	96	96	65.0	74.1	-	-
138	42	96	96	65.0	70.4	-	-
138	48	96	96	65.0	67.1	-	-
138	54	96	96	65.0	64.1	-	-
138	60	96	96	64.0	61.4	-	-
144	24	96	96	65.0	71.3	-	-
144	30	96	96	65.0	67.5	-	-
144	36	96	96	62.4	64.1	-	-
144	42	96	96	61.0	61.0	-	-
144	48	96	96	58.2	58.2	-	-
144	54	96	96	55.6	55.6	-	-
144	60	96	96	53.3	53.3	-	-
114	36	96	102	65.0	85.0	75.0	75.0
114	42	96	102	65.0	85.0	-	-
114	48	96	102	65.0	85.0	-	-
114	54	96	102	65.0	81.6	-	-
114	60	96	102	65.0	78.8	-	-
120	24	96	102	65.0	85.0	75.0	75.0
120	30	96	102	65.0	85.0	75.0	75.0
120	36	96	102	65.0	85.0	-	-
120	42	96	102	65.0	85.0	-	-
120	48	96	102	65.0	81.6	-	-
120	54	96	102	65.0	79.1	-	-
120	60	96	102	65.0	75.9	-	-
126	24	96	102	65.0	85.0	75.0	75.0
126	30	96	102	65.0	85.0	-	-
126	36	96	102	65.0	85.0	-	-
126	42	96	102	65.0	81.6	-	-

DOOR JAMB CAPACITY (psf)							
NOMINAL DIMENSION (in)				DJ1 / DJ2		DJ3	
FH	SLW	DOW	DOH	Ext (+)	Int (-)	Ext (+)	Int(-)
126	48	96	102	65.0	79.7	-	-
126	54	96	102	65.0	76.3	-	-
126	60	96	102	65.0	73.3	-	-
132	24	96	102	65.0	85.0	-	-
132	30	96	102	65.0	85.0	-	-
132	36	96	102	65.0	81.6	-	-
132	42	96	102	65.0	80.7	-	-
132	48	96	102	65.0	77.1	-	-
132	54	96	102	65.0	73.8	-	-
132	60	96	102	65.0	70.8	-	-
144	24	96	102	65.0	73.4	-	-
144	30	96	102	65.0	69.4	-	-
144	36	96	102	65.0	65.7	-	-
144	42	96	102	62.4	62.5	-	-
144	48	96	102	59.5	59.5	-	-
144	54	96	102	56.9	56.9	-	-
144	60	96	102	54.4	54.4	-	-
120	30	96	108	65.0	85.0	75.0	75.0
120	36	96	108	65.0	85.0	-	-
120	42	96	108	65.0	81.6	-	-
120	48	96	108	65.0	81.1	-	-
120	54	96	108	65.0	77.8	-	-
120	60	96	108	65.0	74.7	-	-
126	24	96	108	65.0	85.0	75.0	75.0
126	30	96	108	65.0	85.0	-	-
126	36	96	108	65.0	85.0	-	-
126	42	96	108	65.0	81.6	-	-
126	48	96	108	65.0	78.4	-	-
126	54	96	108	65.0	75.1	-	-
126	60	96	108	65.0	72.1	-	-
132	24	96	108	65.0	85.0	-	-
132	30	96	108	65.0	85.0	-	-
132	36	96	108	65.0	81.6	-	-
132	42	96	108	65.0	79.3	-	-
132	48	96	108	65.0	75.9	-	-
132	54	96	108	65.0	72.7	-	-
132	60	96	108	65.0	69.7	-	-
144	24	96	108	65.0	76.0	-	-
144	30	96	108	65.0	71.6	-	-
144	36	96	108	65.0	67.8	-	-
144	42	96	108	62.4	64.3	-	-
144	48	96	108	61.2	61.2	-	-
144	54	96	108	58.4	58.4	-	-
144	60	96	108	55.8	55.8	-	-
126	24	96	114	65.0	85.0	75.0	75.0
126	30	96	114	65.0	85.0	-	-
126	36	96	114	65.0	81.6	-	-
126	42	96	114	65.0	80.5	-	-
126	48	96	114	65.0	77.1	-	-
126	54	96	114	65.0	73.9	-	-
126	60	96	114	65.0	71.0	-	-

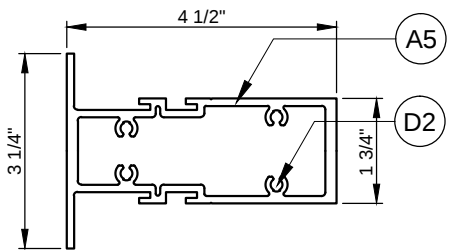


DESIGN LOAD LIMITATION FOR 3302 INTERM. HORIZONTAL			
NOMINAL DIMS. (in)		ALLOW Pd (PSF)	
WIDTH (W)	TRANSOM HEIGHT	Ext (+)	Int.(-)
66"	108"	60.0	85.0
60"	114"	70.0	85.0
54"	92"	85.0	85.0
48"	109"	85.0	85.0
42"	122"	85.0	85.0
36"	141"	85.0	85.0

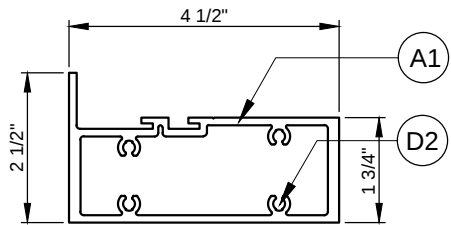
Table D | 3302 INTERM. HORIZONTALS
LOAD CAPACITY TABLE



HEAD



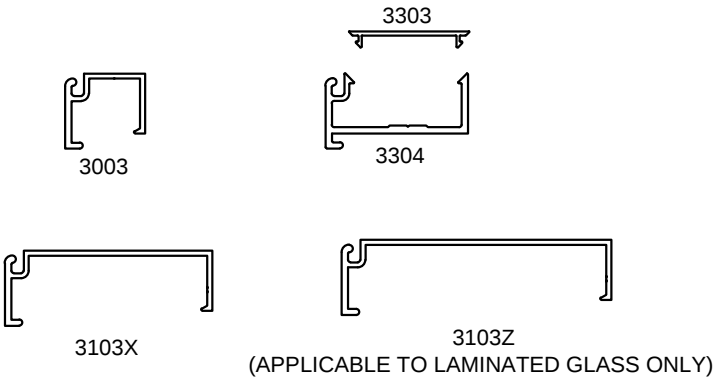
INTER. HORIZONTAL



SILL

HORIZONTAL MEMBER OPTIONS

USE WHEN SIZE & LOADS EXCEEDED TABLE D



GLASS STOP OPTIONS

PRODUCT:

3300 IMPACT STOREFRONT SYSTEM

LMI (HVHZ)

Resistor
PRODUCT SERIES

REV#	DATE/REMARKS

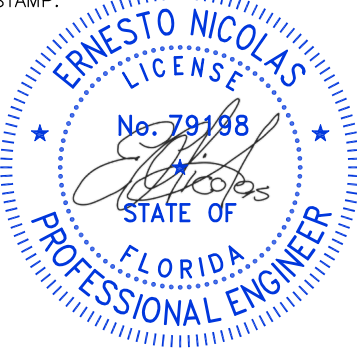
ENGINEER:



En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

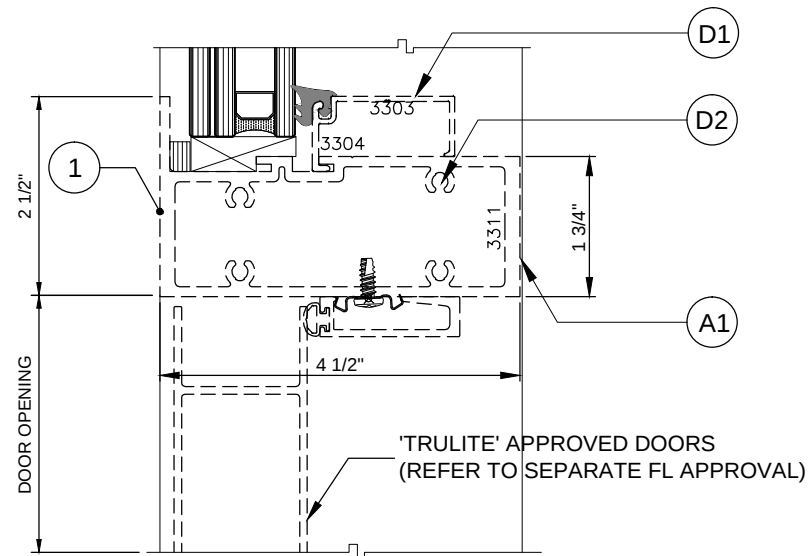
DATE: DEC. 15, 2023

DRAWN: ML CHK: ESN

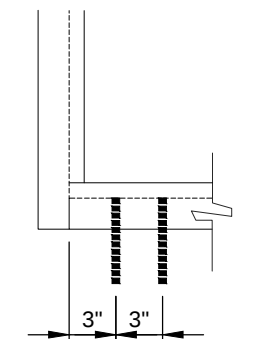
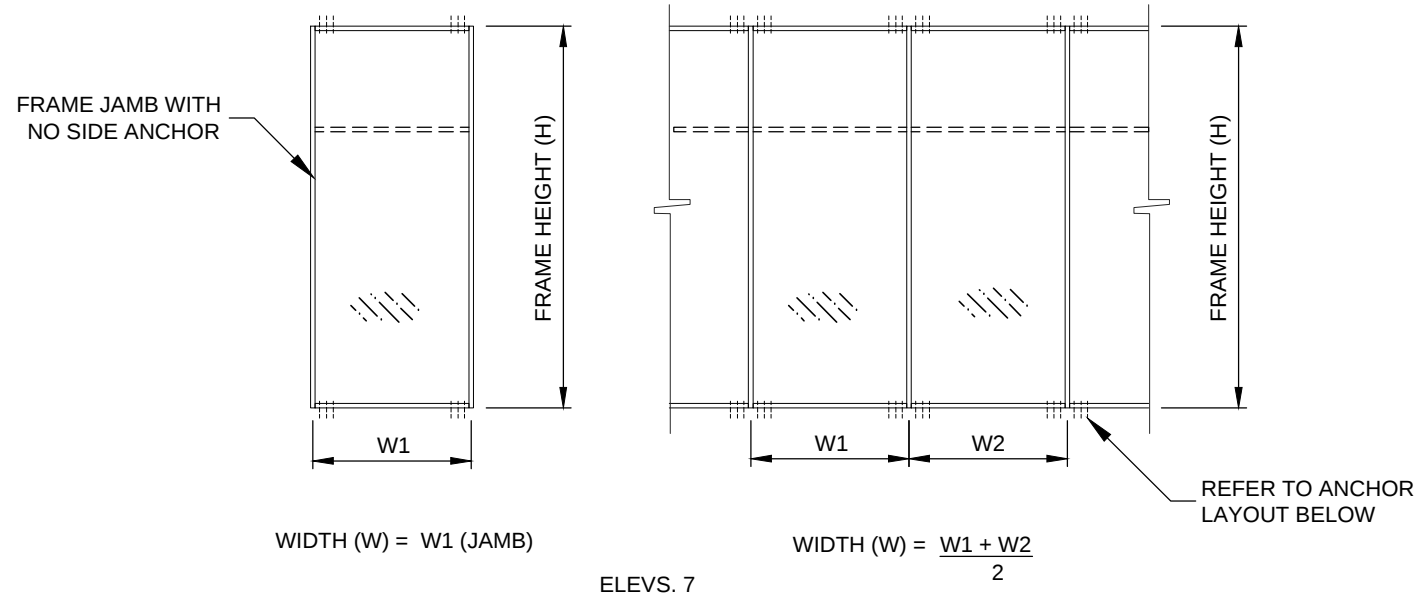
DRWG. No: 23FL-100 SCALE: NTS

SHEET NO.:

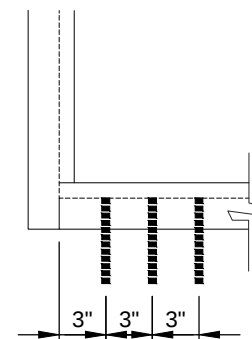
11 OF 17



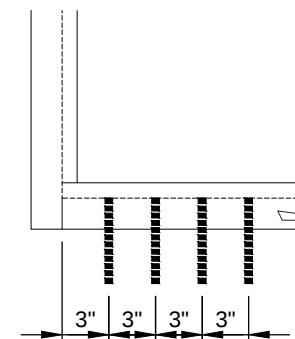
A DOOR HEAD WITH TRANSOM
(REFER TO DOOR PRODUCT APPROVAL
FOR OPTIONS & CAPACITIES)



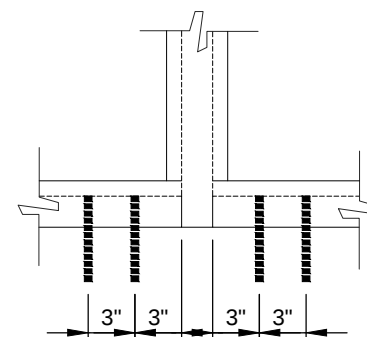
A2, B2, C2, D2, E2 or F2



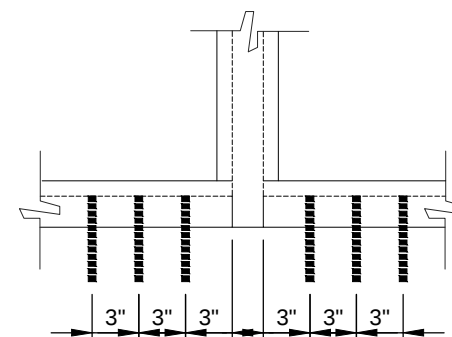
A3, B3, C3, D3, E3 or F3



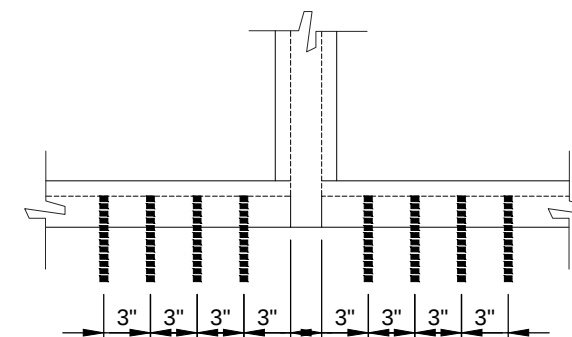
A4, B4, C4, D4, E4 or F4



A2, B2, C2, D2, E2 or F2



A3, B3, C3, D3, E3 or F3



A4, B4, C4, D4, E4 or F4

ANCHOR LAYOUT

REFER TO SHEET 13 FOR TYPES

PRODUCT:

**3300 IMPACT
STOREFRONT SYSTEM**
LMI (HVHZ)

REV#	DATE/REMARKS

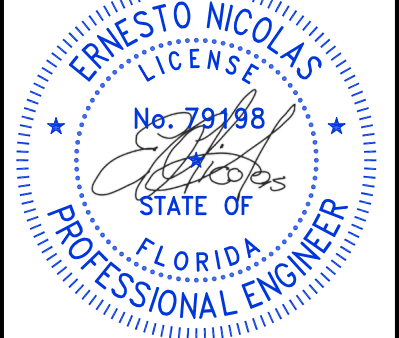
ENGINEER:



En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

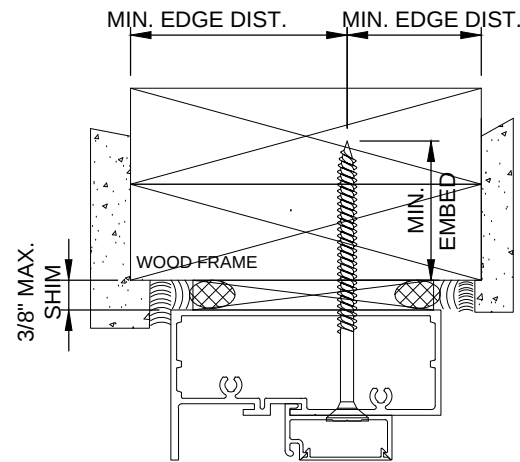
DATE: DEC. 15, 2023

DRAWN: ML CHK: ESN

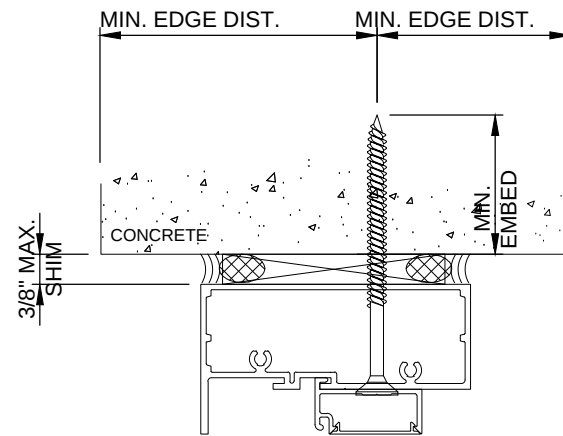
DRWG. No: 23FL-100 SCALE: NTS

SHEET NO.:

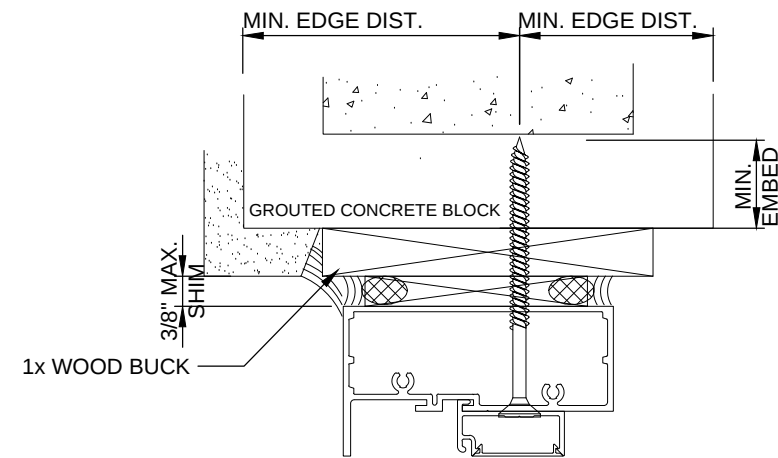
12 OF 17



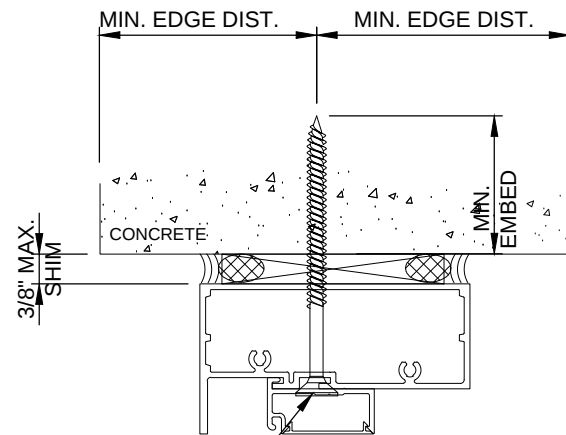
TYPE A or B



TYPE C or D

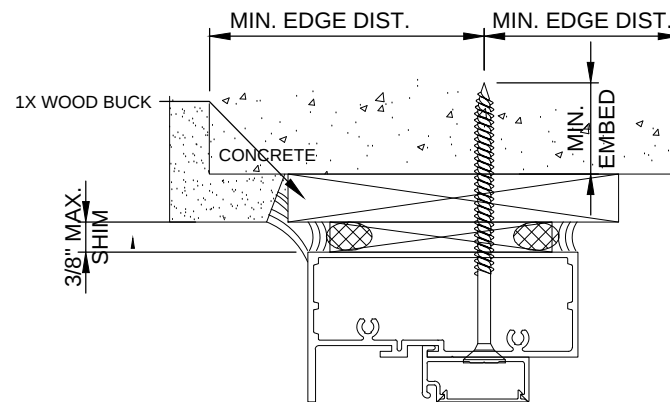


TYPE E

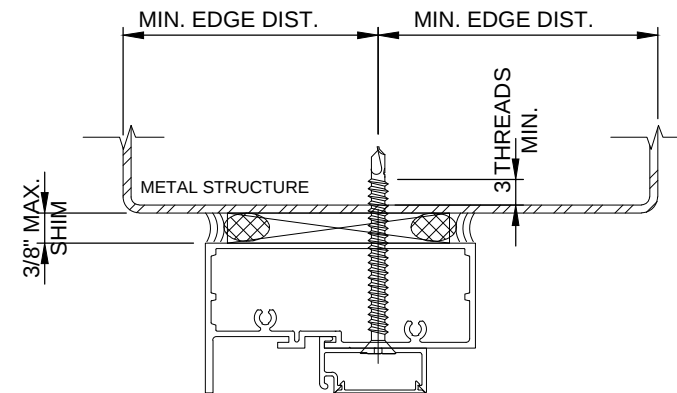


OPTIONAL ANCHOR LOCATION
(APPLICABLE TO
ALL ANCHOR TYPES)

TYP. ANCHOR LAY-OUT ON
 $\frac{9}{16}$ " THICK GLASS



TYPE C or D



TYPE E

ANCHOR TYPES

TYPE	SUBSTRATE	MATERIAL	MIN. EMBED (IN.)	MIN. EDGE DIST. (IN.)
A	WOOD	$\frac{1}{4}$ " $\varnothing$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)	1.50	1.25
B		$\frac{1}{4}$ " $\varnothing$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.)	1.50	1.25
C	CONCRETE	$\frac{1}{4}$ " $\varnothing$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)	1.75	2.50
D		$\frac{1}{4}$ " $\varnothing$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.)	1.75	2.50
E	GROUTED CMU	$\frac{1}{4}$ " $\varnothing$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.)	1.25	2.50
F	METAL	$\frac{1}{4}$ " $\varnothing$ Gr. 5 Metal Screw	Min. 3 Threads pass substrate	1.00

NOTE:

- MIN. SPECIFIC GRAVITY OF WOOD = 0.55
- MIN. CONCRETE COMPRESSIVE STRENGTH = 3000psi (NORMAL WEIGHT & UNCRACKED)
- MIN. COMPRESSIVE STRENGTH OF CONCRETE MASONRY = 2000PSI (MEDIUM WEIGHT & CONFORM TO ASTM C90)
- METAL SUBSTRATE SHALL BE STEEL (FY=36KSI MIN. & 12GA. THICK MIN.) OR ALUMINUM (6063-T5 MIN. & 0.10" THICK MIN.)

PRODUCT:

**3300 IMPACT
STOREFRONT SYSTEM**
LMI (HVHZ)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS

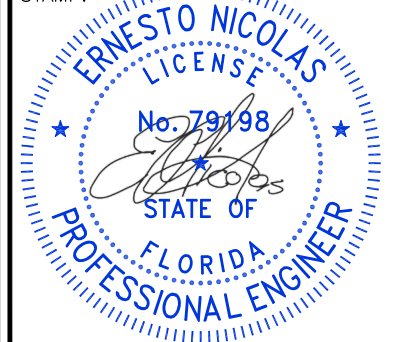
ENGINEER:



En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

DATE: DEC. 15, 2023

DRAWN: ML CHK: ESN

DRWG. No: 23FL-100 SCALE: NTS

SHEET NO.:

13 OF 17

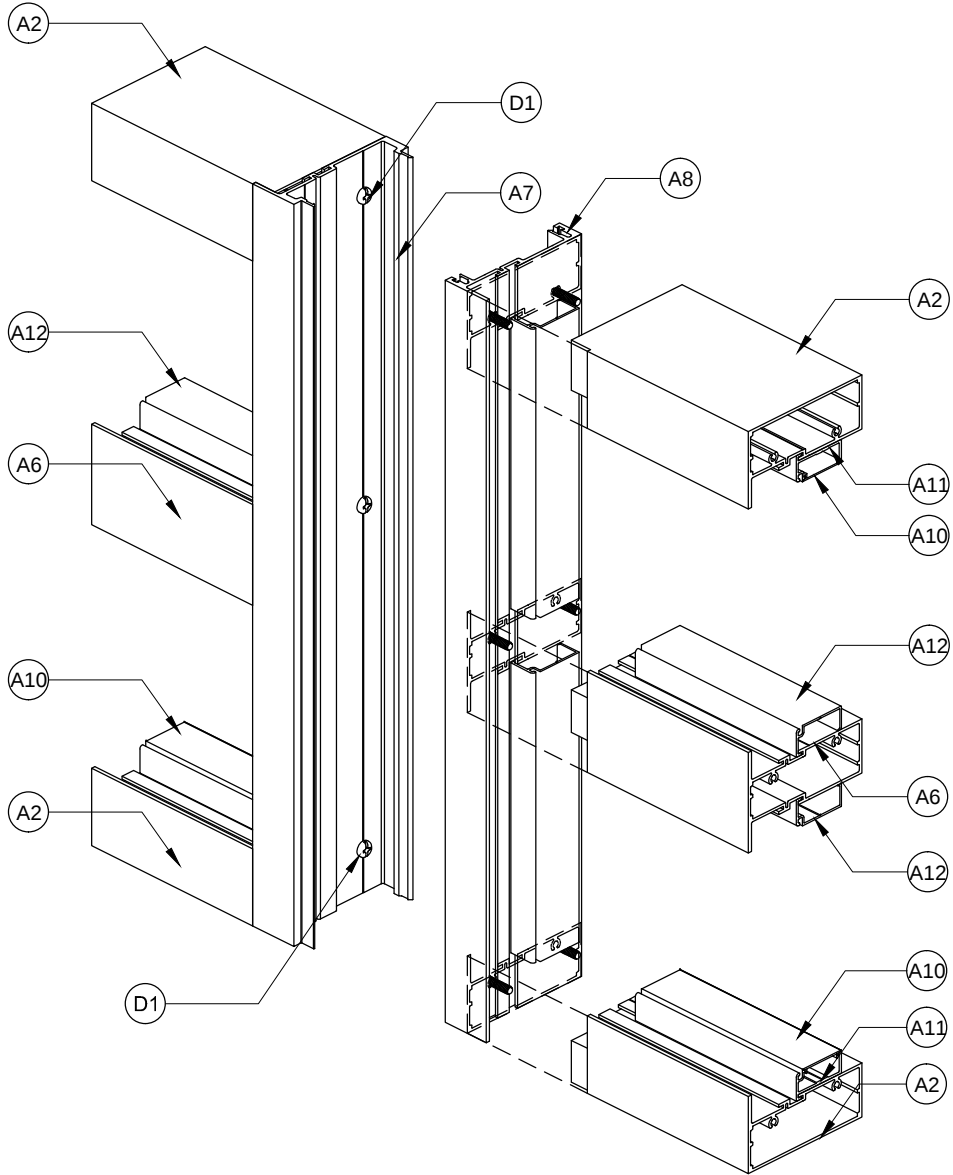
ANCHOR LOAD CAPACITY (psf)																Ext. (+) / Int. (-)	
Nom. Sizes (in)		TYPE 'A'			TYPE 'B'			TYPE 'C'			TYPE 'D'		TYPE 'E'		TYPE 'F'		
W	H	A2	A3	A4	B2	B3	B4	C2	C3	C4	D2	D3	E2	E3	F2	F3	
30	66	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		88.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
48		77.1	94.0	94.0	93.1	94.0	94.0	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
54		68.5	94.0	94.0	82.7	94.0	94.0	82.7	94.0	94.0	94.0	94.0	94.0	93.7	94.0	94.0	
60		61.7	92.5	94.0	74.5	94.0	94.0	74.5	94.0	94.0	94.0	94.0	94.0	84.4	94.0	87.3	
66		56.1	84.1	94.0	67.7	94.0	94.0	67.7	94.0	94.0	94.0	94.0	94.0	76.7	94.0	79.3	
72		51.4	77.1	94.0	62.1	93.1	94.0	62.1	93.1	94.0	89.2	94.0	70.3	94.0	72.7	94.0	
30	72	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		80.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
48		70.7	94.0	94.0	85.3	94.0	94.0	85.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
54		62.8	94.0	94.0	75.9	94.0	94.0	75.9	94.0	94.0	94.0	94.0	94.0	85.9	94.0	88.9	
60		56.5	84.8	94.0	68.3	94.0	94.0	68.3	94.0	94.0	94.0	94.0	94.0	77.3	94.0	80.0	
66		51.4	77.1	94.0	62.1	93.1	94.0	62.1	93.1	94.0	89.2	94.0	70.3	94.0	72.7	94.0	
72		47.1	70.7	94.0	56.9	85.3	94.0	56.9	85.3	94.0	81.8	94.0	64.4	94.0	66.7	94.0	
30	78	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		87.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		74.5	94.0	94.0	90.0	94.0	94.0	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
48		65.2	94.0	94.0	78.8	94.0	94.0	78.8	94.0	94.0	94.0	94.0	89.2	94.0	92.3	94.0	
54		58.0	87.0	94.0	70.0	94.0	94.0	70.0	94.0	94.0	94.0	94.0	79.3	94.0	82.1	94.0	
60		52.2	78.3	94.0	63.0	94.0	94.0	63.0	94.0	94.0	90.6	94.0	71.4	94.0	73.8	94.0	
66		47.4	71.2	94.0	57.3	85.9	94.0	57.3	85.9	94.0	82.3	94.0	64.9	94.0	67.1	94.0	
72		43.5	65.2	87.0	52.5	78.8	94.0	52.5	78.8	94.0	75.5	94.0	59.5	89.2	61.5	92.3	
30	84	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		80.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		69.2	94.0	94.0	83.6	94.0	94.0	83.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
48		60.6	90.9	94.0	73.1	94.0	94.0	73.1	94.0	94.0	94.0	94.0	82.9	94.0	85.7	94.0	
54		53.8	80.8	94.0	65.0	94.0	94.0	65.0	94.0	94.0	93.5	94.0	73.7	94.0	76.2	94.0	
60		48.5	72.7	94.0	58.5	87.8	94.0	58.5	87.8	94.0	84.1	94.0	66.3	94.0	68.6	94.0	
66		44.1	66.1	88.1	53.2	79.8	94.0	53.2	79.8	94.0	76.5	94.0	60.3	90.4	62.3	93.5	
72		40.4	60.6	80.8	48.8	73.1	94.0	48.8	73.1	94.0	70.1	94.0	55.2	82.9	57.1	85.7	
30	90	90.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		75.4	94.0	94.0	91.0	94.0	94.0	91.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		64.6	94.0	94.0	78.0	94.0	94.0	78.0	94.0	94.0	94.0	94.0	88.4	94.0	91.4	94.0	
48		56.5	84.8	94.0	68.3	94.0	94.0	68.3	94.0	94.0	94.0	94.0	77.3	94.0	80.0	94.0	
54		50.3	75.4	94.0	60.7	91.0	94.0	60.7	91.0	94.0	87.2	94.0	68.7	94.0	71.1	94.0	
60		45.2	67.8	90.5	54.6	81.9	94.0	54.6	81.9	94.0	78.5	94.0	61.9	92.8	64.0	94.0	
66		41.1	61.7	82.2	49.6	74.5	94.0	49.6	74.5	94.0	71.4	94.0	56.2	84.4	58.2	87.3	
72		37.7	56.5	75.4	45.5	68.3	91.0	45.5	68.3	91.0	65.4	94.0	51.6	77.3	53.3	80.0	
30	96	84.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		70.7	94.0	94.0	85.3	94.0	94.0	85.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		60.6	90.9	94.0	73.1	94.0	94.0	73.1	94.0	94.0	94.0	94.0	82.9	94.0	85.7	94.0	
48		53.0	79.5	94.0	64.0	94.0	94.0	64.0	94.0	94.0	92.0	94.0	72.5	94.0	75.0	94.0	
54		47.1	70.7	94.0	56.9	85.3	94.0	56.9	85.3	94.0	81.8	94.0	64.4	94.0	66.7	94.0	
60		42.4	63.6	84.8	51.2	76.8	94.0	51.2	76.8	94.0	73.6	94.0	58.0	87.0	60.0	90.0	
66		38.5	57.8	77.1	46.5	69.8	93.1	46.5	69.8	93.1	66.9	94.0	52.7	79.1	54.5	81.8	
72		35.3	53.0	70.7	42.7	64.0	85.3	42.7	64.0	85.3	61.3	92.0	48.3	72.5	50.0	75.0	

ANCHOR LOAD CAPACITY (psf)													Ext. (+) / Int. (-)			
Nom. Sizes (in)		TYPE 'A'			TYPE 'B'			TYPE 'C'			TYPE 'D'		TYPE 'E'		TYPE 'F'	
W	H	A2	A3	A4	B2	B3	B4	C2	C3	C4	D2	D3	E2	E3	F2	F3
30	102	79.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
36		66.5	94.0	94.0	80.3	94.0	94.0	80.3	94.0	94.0	94.0	94.0	91.0	94.0	94.0	94.0
42		57.0	85.5	94.0	68.8	94.0	94.0	68.8	94.0	94.0	94.0	94.0	78.0	94.0	80.7	94.0
48		49.9	74.8	94.0	60.2	90.4	94.0	60.2	90.4	94.0	86.6	94.0	68.2	94.0	70.6	94.0
54		44.3	66.5	88.7	53.5	80.3	94.0	53.5	80.3	94.0	77.0	94.0	60.7	91.0	62.7	94.0
60		39.9	59.9	79.8	48.2	72.3	94.0	48.2	72.3	94.0	69.3	94.0	54.6	81.9	56.5	84.7
66		36.3	54.4	72.6	43.8	65.7	87.6	43.8	65.7	87.6	63.0	94.0	49.6	74.4	51.3	77.0
72		33.3	49.9	66.5	40.2	60.2	80.3	40.2	60.2	80.3	57.7	86.6	45.5	68.2	47.1	70.6
30	108	75.4	94.0	94.0	91.0	94.0	94.0	91.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
36		62.8	94.0	94.0	75.9	94.0	94.0	75.9	94.0	94.0	94.0	94.0	85.9	94.0	88.9	94.0
42		53.8	80.8	94.0	65.0	94.0	94.0	65.0	94.0	94.0	93.5	94.0	73.7	94.0	76.2	94.0
48		47.1	70.7	94.0	56.9	85.3	94.0	56.9	85.3	94.0	81.8	94.0	64.4	94.0	66.7	94.0
54		41.9	62.8	83.8	50.6	75.9	94.0	50.6	75.9	94.0	72.7	94.0	57.3	85.9	59.3	88.9
60		37.7	56.5	75.4	45.5	68.3	91.0	45.5	68.3	91.0	65.4	94.0	51.6	77.3	53.3	80.0
66		34.3	51.4	68.5	41.4	62.1	82.7	41.4	62.1	82.7	59.5	89.2	46.9	70.3	48.5	72.7
72		31.4	47.1	62.8	37.9	56.9	75.9	37.9	56.9	75.9	54.5	81.8	43.0	64.4	44.4	66.7
30	114	71.4	94.0	94.0	86.2	94.0	94.0	86.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
36		59.5	89.3	94.0	71.9	94.0	94.0	71.9	94.0	94.0	94.0	94.0	81.4	94.0	84.2	94.0
42		51.0	76.5	94.0	61.6	92.4	94.0	61.6	92.4	94.0	88.5	94.0	69.8	94.0	72.2	94.0
48		44.6	66.9	89.3	53.9	80.8	94.0	53.9	80.8	94.0	77.5	94.0	61.1	91.6	63.2	94.0
54		39.7	59.5	79.3	47.9	71.9	94.0	47.9	71.9	94.0	68.9	94.0	54.3	81.4	56.1	84.2
60		35.7	53.6	71.4	43.1	64.7	86.2	43.1	64.7	86.2	62.0	93.0	48.8	73.3	50.5	75.8
66		32.5	48.7	64.9	39.2	58.8	78.4	39.2	58.8	78.4	56.3	84.5	44.4	66.6	45.9	68.9
72		29.8	44.6	59.5	35.9	53.9	71.9	35.9	53.9	71.9	51.6	77.5	40.7	61.1	42.1	63.2
30	120	67.8	94.0	94.0	81.9	94.0	94.0	81.9	94.0	94.0	94.0	94.0	92.8	94.0	94.0	94.0
36		56.5	84.8	94.0	68.3	94.0	94.0	68.3	94.0	94.0	94.0	94.0	77.3	94.0	80.0	94.0
42		48.5	72.7	94.0	58.5	87.8	94.0	58.5	87.8	94.0	84.1	94.0	66.3	94.0	68.6	94.0
48		42.4	63.6	84.8	51.2	76.8	94.0	51.2	76.8	94.0	73.6	94.0	58.0	87.0	60.0	90.0
54		37.7	56.5	75.4	45.5	68.3	91.0	45.5	68.3	91.0	65.4	94.0	51.6	77.3	53.3	80.0
60		33.9	50.9	67.8	41.0	61.4	81.9	41.0	61.4	81.9	58.9	88.3	46.4	69.6	48.0	72.0
66		30.9	47.9	64.8	38.0	58.4	78.4	30.9	47.9	64.8	55.9	85.3	43.4	66.6	45.0	68.0
30	126	64.6	94.0	94.0	78.0	94.0	94.0	78.0	94.0	94.0	94.0	94.0	88.4	94.0	91.4	94.0
36		53.8	80.8	94.0	65.0	94.0	94.0	65.0	94.0	94.0	93.5	94.0	73.7	94.0	76.2	94.0
42		46.1	69.2	92.3	55.7	83.6	94.0	55.7	83.6	94.0	80.1	94.0	63.1	94.0	65.3	94.0
48		40.4	60.6	80.8	48.8	73.1	94.0	48.8	73.1	94.0	70.1	94.0	55.2	82.9	57.1	85.7
54		35.9	53.8	71.8	43.3	65.0	86.7	43.3	65.0	86.7	62.3	93.5	49.1	73.7	50.8	76.2
30	132	61.7	92.5	94.0	74.5	94.0	94.0	74.5	94.0	94.0	94.0	94.0	84.4	94.0	87.3	94.0
36		51.4	77.1	94.0	62.1	93.1	94.0	62.1	93.1	94.0	89.2	94.0	70.3	94.0	72.7	94.0
42		44.1	66.1	88.1	53.2	79.8	94.0	53.2	79.8	94.0	76.5	94.0	60.3	90.4	62.3	93.5
48		38.5	57.8	77.1	46.5	69.8	93.1	46.5	69.8	93.1	66.9	94.0	52.7	79.1	54.5	81.8
30	138	59.0	88.5	94.0	71.2	94.0	94.0	71.2	94.0	94.0	94.0	94.0	80.7	94.0	83.5	94.0
36		49.2	73.7	94.0	59.4	89.0	94.0	59.4	89.0	94.0	85.3	94.0	67.2	94.0	69.6	94.0
42		42.1	63.2	84.3	50.9	76.3	94.0	50.9	76.3	94.0	73.1	94.0	57.6	86.5	59.6	89.4
48		36.9	55.3	73.7	44.5	66.8	89.0	44.5	66.8	89.0	64.0	94.0	50.4	75.7	52.2	78.3
24	144	70.7	94.0	94.0	85.3	94.0	94.0	85.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
30		56.5	84.8	94.0	68.3	94.0	94.0	68.3	94.0	94.0	94.0	94.0	77.3	94.0	80.0	94.0
36		47.1	70.7	94.0	56.9	85.3	94.0	56.9	85.3	94.0	81.8	94.0	64.4	94.0	66.7	94.0
42		40.4	60.6	80.8	48.8	73.1	94.0	48.8	73.1	94.0	70.1	94.0	55.2	82.9	57.1	85.7
48		35.3	53.0	70.7	42.7	64.0	85.3	42.7	64.0	85.3	61.3	92.0	48.3	72.5	50.0	75.0

ANCHOR LOAD CAPACITY (psf)																			Ext. (+) / Int. (-)			
Nom. Sizes (in)		TYPE 'A'				TYPE 'B'			TYPE 'C'				TYPE 'D'			TYPE 'E'			TYPE 'F'			
W	H	A2	A3	A4	A5	B2	B3	B4	C2	C3	C4	C5	D2	D3	D4	E2	E3	E4	F2	F3	F4	
30	66	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		88.2	94.0	94.0	94.0	94.0	94.0	94.0	88.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		75.6	94.0	94.0	94.0	94.0	94.0	94.0	75.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	89.4	94.0	94.0	
48		66.2	94.0	94.0	94.0	93.1	94.0	94.0	66.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	78.2	94.0	94.0	
54		58.8	88.2	94.0	94.0	82.7	94.0	94.0	58.8	88.2	94.0	94.0	85.7	94.0	94.0	85.7	94.0	94.0	69.5	94.0	94.0	
60		52.9	79.4	94.0	94.0	74.5	94.0	94.0	52.9	79.4	94.0	94.0	77.1	94.0	94.0	77.1	94.0	94.0	62.5	93.8	94.0	
66		48.1	72.2	94.0	94.0	67.7	94.0	94.0	48.1	72.2	94.0	94.0	70.1	94.0	94.0	70.1	94.0	94.0	56.9	85.3	94.0	
72		44.1	66.2	88.2	94.0	62.1	93.1	94.0	44.1	66.2	88.2	94.0	64.2	94.0	94.0	64.2	94.0	94.0	52.1	78.2	94.0	
30	72	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		80.9	94.0	94.0	94.0	94.0	94.0	94.0	80.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
42		69.3	94.0	94.0	94.0	94.0	94.0	94.0	69.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	81.9	94.0	94.0	
48		60.7	91.0	94.0	94.0	85.3	94.0	94.0	60.7	91.0	94.0	94.0	88.3	94.0	94.0	88.3	94.0	94.0	71.7	94.0	94.0	
54		53.9	80.9	94.0	94.0	75.9	94.0	94.0	53.9	80.9	94.0	94.0	78.5	94.0	94.0	78.5	94.0	94.0	63.7	94.0	94.0	
60		48.5	72.8	94.0	94.0	68.3	94.0	94.0	48.5	72.8	94.0	94.0	70.7	94.0	94.0	70.7	94.0	94.0	57.3	86.0	94.0	
66		44.1	66.2	88.2	94.0	62.1	93.1	94.0	44.1	66.2	88.2	94.0	64.2	94.0	94.0	64.2	94.0	94.0	52.1	78.2	94.0	
72		40.4	60.7	80.9	94.0	56.9	85.3	94.0	40.4	60.7	80.9	94.0	58.9	88.3	94.0	58.9	88.3	94.0	47.8	71.7	94.0	
30	78	89.6	94.0	94.0	94.0	94.0	94.0	94.0	89.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		74.7	94.0	94.0	94.0	94.0	94.0	94.0	74.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	88.2	94.0	94.0	
42		64.0	94.0	94.0	94.0	90.0	94.0	94.0	64.0	94.0	94.0	94.0	93.2	94.0	94.0	93.2	94.0	94.0	75.6	94.0	94.0	
48		56.0	84.0	94.0	94.0	78.8	94.0	94.0	56.0	84.0	94.0	94.0	81.5	94.0	94.0	81.5	94.0	94.0	66.2	94.0	94.0	
54		49.8	74.7	94.0	94.0	70.0	94.0	94.0	49.8	74.7	94.0	94.0	72.5	94.0	94.0	72.5	94.0	94.0	58.8	88.2	94.0	
60		44.8	67.2	89.6	94.0	63.0	94.0	94.0	44.8	67.2	89.6	94.0	65.2	94.0	94.0	65.2	94.0	94.0	52.9	79.4	94.0	
66		40.7	61.1	81.5	94.0	57.3	85.9	94.0	40.7	61.1	81.5	94.0	59.3	89.0	94.0	59.3	89.0	94.0	48.1	72.2	94.0	
72		37.3	56.0	74.7	93.3	52.5	78.8	94.0	37.3	56.0	74.7	93.3	54.4	81.5	94.0	54.4	81.5	94.0	44.1	66.2	88.2	
30	84	83.2	94.0	94.0	94.0	94.0	94.0	94.0	83.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
36		69.3	94.0	94.0	94.0	94.0	94.0	94.0	69.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	81.9	94.0	94.0	
42		59.4	89.1	94.0	94.0	83.6	94.0	94.0	59.4	89.1	94.0	94.0	86.5	94.0	94.0	86.5	94.0	94.0	70.2	94.0	94.0	
48		52.0	78.0	94.0	94.0	73.1	94.0	94.0	52.0	78.0	94.0	94.0	75.7	94.0	94.0	75.7	94.0	94.0	61.4	92.1	94.0	
54		46.2	69.3	92.4	94.0	65.0	94.0	94.0	46.2	69.3	92.4	94.0	67.3	94.0	94.0	67.3	94.0	94.0	54.6	81.9	94.0	
60		41.6	62.4	83.2	94.0	58.5	87.8	94.0	41.6	62.4	83.2	94.0	60.6	90.9	94.0	60.6	90.9	94.0	49.1	73.7	94.0	
66		37.8	56.7	75.6	94.0	53.2	79.8	94.0	37.8	56.7	75.6	94.0	55.1	82.6	94.0	55.1	82.6	94.0	44.7	67.0	89.4	
72		34.7	52.0	69.3	86.7	48.8	73.1	94.0	34.7	52.0	69.3	86.7	50.5	75.7	94.0	50.5	75.7	94.0	41.0	61.4	81.9	
30	90	77.7	94.0	94.0	94.0	94.0	94.0	94.0	77.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	91.7	94.0	94.0	
36		64.7	94.0	94.0	94.0	91.0	94.0	94.0	64.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	76.4	94.0	94.0	
42		55.5	83.2	94.0	94.0	78.0	94.0	94.0	55.5	83.2	94.0	94.0	80.8	94.0	94.0	80.8	94.0	94.0	65.5	94.0	94.0	
48		48.5	72.8	94.0	94.0	68.3	94.0	94.0	48.5	72.8	94.0	94.0	70.7	94.0	94.0	70.7	94.0	94.0	57.3	86.0	94.0	
54		43.1	64.7	86.3	94.0	60.7	91.0	94.0	43.1	64.7	86.3	94.0	62.8	94.0	94.0	62.8	94.0	94.0	51.0	76.4	94.0	
60		38.8	58.2	77.7	94.0	54.6	81.9	94.0	38.8	58.2	77.7	94.0	56.5	84.8	94.0	56.5	84.8	94.0	45.9	68.8	91.7	
66		35.3	52.9	70.6	88.2	49.6	74.5	94.0	35.3	52.9	70.6	88.2	51.4	77.1	94.0	51.4	77.1	94.0	41.7	62.5	83.4	
72		32.4	48.5	64.7	80.9	45.5	68.3	91.0	32.4	48.5	64.7	80.9	47.1	70.7	94.0	47.1	70.7	94.0	38.2	57.3	76.4	
30	96	72.8	94.0	94.0	94.0	94.0	94.0	94.0	72.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	86.0	94.0	94.0	
36		60.7	91.0	94.0	94.0	85.3	94.0	94.0	60.7	91.0	94.0	94.0	88.3	94.0	94.0	88.3	94.0	94.0	71.7	94.0	94.0	
42		52.0	78.0	94.0	94.0	73.1	94.0	94.0	52.0	78.0	94.0	94.0	75.7	94.0	94.0	75.7	94.0	94.0	61.4	92.1	94.0	
48		45.5	68.3	91.0	94.0	64.0	94.0	94.0	45.5	68.3	91.0	94.0	66.3	94.0	94.0	66.3	94.0	94.0	53.8	80.6	94.0	
54		40.4	60.7	80.9	94.0	56.9	85.3	94.0	40.4	60.7	80.9	94.0	58.9	88.3	94.0	58.9	88.3	94.0	47.8	71.7	94.0	
60		36.4	54.6	72.8	91.0	51.2	76.8	94.0	36.4	54.6	72.8	91.0	53.0	79.5	94.0	53.0	79.5	94.0	43.0	64.5	86.0	
66		33.1	49.6	66.2	82.7	46.5	69.8	93.1	33.1	49.6	66.2	82.7	48.2	72.3	94.0	48.2	72.3	94.0	39.1	58.6	78.2	
72		30.3	45.5	60.7	75.8	42.7	64.0	85.3	30.3	45.5	60.7	75.8	44.2	66.3	88.3	44.2	66.3	88.3	35.8	53.8	71.7	

ANCHOR LOAD CAPACITY (psf)																			Ext. (+) / Int. (-)			
Nom. Sizes (in)		TYPE 'A'				TYPE 'B'			TYPE 'C'				TYPE 'D'			TYPE 'E'			TYPE 'F'			
W	H	A2	A3	A4	A5	B2	B3	B4	C2	C3	C4	C5	D2	D3	D4	E2	E3	E4	F2	F3	F4	
30	102	68.5	94.0	94.0	94.0	94.0	94.0	94.0	68.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	80.9	94.0	94.0	
36		57.1	85.6	94.0	94.0	80.3	94.0	94.0	57.1	85.6	94.0	94.0	83.1	94.0	94.0	83.1	94.0	94.0	67.5	94.0	94.0	
42		48.9	73.4	94.0	94.0	68.8	94.0	94.0	48.9	73.4	94.0	94.0	71.3	94.0	94.0	71.3	94.0	94.0	57.8	86.7	94.0	
48		42.8	64.2	85.6	94.0	60.2	90.4	94.0	42.8	64.2	85.6	94.0	62.4	93.5	94.0	62.4	93.5	94.0	50.6	75.9	94.0	
54		38.1	57.1	76.1	94.0	53.5	80.3	94.0	38.1	57.1	76.1	94.0	55.4	83.1	94.0	55.4	83.1	94.0	45.0	67.5	89.9	
60		34.3	51.4	68.5	85.6	48.2	72.3	94.0	34.3	51.4	68.5	85.6	49.9	74.8	94.0	49.9	74.8	94.0	40.5	60.7	80.9	
66		31.1	46.7	62.3	77.9	43.8	65.7	87.6	31.1	46.7	62.3	77.9	45.3	68.0	90.7	45.3	68.0	90.7	36.8	55.2	73.6	
72		28.5	42.8	57.1	71.4	40.2	60.2	80.3	28.5	42.8	57.1	71.4	41.6	62.4	83.1	41.6	62.4	83.1	33.7	50.6	67.5	
30	108	64.7	94.0	94.0	94.0	91.0	94.0	94.0	64.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	76.4	94.0	94.0	
36		53.9	80.9	94.0	94.0	75.9	94.0	94.0	53.9	80.9	94.0	94.0	78.5	94.0	94.0	78.5	94.0	94.0	63.7	94.0	94.0	
42		46.2	69.3	92.4	94.0	65.0	94.0	94.0	46.2	69.3	92.4	94.0	67.3	94.0	94.0	67.3	94.0	94.0	54.6	81.9	94.0	
48		40.4	60.7	80.9	94.0	56.9	85.3	94.0	40.4	60.7	80.9	94.0	58.9	88.3	94.0	58.9	88.3	94.0	47.8	71.7	94.0	
54		36.0	53.9	71.9	89.9	50.6	75.9	94.0	36.0	53.9	71.9	89.9	52.3	78.5	94.0	52.3	78.5	94.0	42.5	63.7	84.9	
60		32.4	48.5	64.7	80.9	45.5	68.3	91.0	32.4	48.5	64.7	80.9	47.1	70.7	94.0	47.1	70.7	94.0	38.2	57.3	76.4	
66		29.4	44.1	58.8	73.5	41.4	62.1	82.7	29.4	44.1	58.8	73.5	42.8	64.2	85.7	42.8	64.2	85.7	34.7	52.1	69.5	
72		27.0	40.4	53.9	67.4	37.9	56.9	75.9	27.0	40.4	53.9	67.4	39.3	58.9	78.5	39.3	58.9	78.5	31.9	47.8	63.7	
30	114	61.3	92.0	94.0	94.0	86.2	94.0	94.0	61.3	92.0	94.0	94.0	89.3	94.0	94.0	89.3	94.0	94.0	72.4	94.0	94.0	
36		51.1	76.6	94.0	94.0	71.9	94.0	94.0	51.1	76.6	94.0	94.0	74.4	94.0	94.0	74.4	94.0	94.0	60.4	90.5	94.0	
42		43.8	65.7	87.6	94.0	61.6	92.4	94.0	43.8	65.7	87.6	94.0	63.8	94.0	94.0	63.8	94.0	94.0	51.7	77.6	94.0	
48		38.3	57.5	76.6	94.0	53.9	80.8	94.0	38.3	57.5	76.6	94.0	55.8	83.7	94.0	55.8	83.7	94.0	45.3	67.9	90.5	
54		34.1	51.1	68.1	85.1	47.9	71.9	94.0	34.1	51.1	68.1	85.1	49.6	74.4	94.0	49.6	74.4	94.0	40.2	60.4	80.5	
60		30.7	46.0	61.3	76.6	43.1	64.7	86.2	30.7	46.0	61.3	76.6	44.6	66.9	89.3	44.6	66.9	89.3	36.2	54.3	72.4	
66		27.9	41.8	55.7	69.7	39.2	58.8	78.4	27.9	41.8	55.7	69.7	40.6	60.9	81.1	40.6	60.9	81.1	32.9	49.4	65.8	
72		25.5	38.3	51.1	63.9	35.9	53.9	71.9	25.5	38.3	51.1	63.9	37.2	55.8	74.4	37.2	55.8	74.4	30.2	45.3	60.4	
30	120	58.2	87.4	94.0	94.0	81.9	94.0	94.0	58.2	87.4	94.0	94.0	84.8	94.0	94.0	84.8	94.0	94.0	68.8	94.0	94.0	
36		48.5	72.8	94.0	94.0	68.3	94.0	94.0	48.5	72.8	94.0	94.0	70.7	94.0	94.0	70.7	94.0	94.0	57.3	86.0	94.0	
42		41.6	62.4	83.2	94.0	58.5	87.8	94.0	41.6	62.4	83.2	94.0	60.6	90.9	94.0	60.6	90.9	94.0	49.1	73.7	94.0	
48		36.4	54.6	72.8	91.0	51.2	76.8	94.0	36.4	54.6	72.8	91.0	53.0	79.5	94.0	53.0	79.5	94.0	43.0	64.5	86.0	
54		32.4	48.5	64.7	80.9	45.5	68.3	91.0	32.4	48.5	64.7	80.9	47.1	70.7	94.0	47.1	70.7	94.0	38.2	57.3	76.4	
60		29.1	43.7	58.2	72.8	41.0	61.4	81.9	29.1	43.7	58.2	72.8	42.4	63.6	84.8	42.4	63.6	84.8	34.4	51.6	68.8	
30	126	55.5	83.2	94.0	94.0	78.0	94.0	94.0	55.5	83.2	94.0	94.0	80.8	94.0	94.0	80.8	94.0	94.0	65.5	94.0	94.0	
36		46.2	69.3	92.4	94.0	65.0	94.0	94.0	46.2	69.3	92.4	94.0	67.3	94.0	94.0	67.3	94.0	94.0	54.6	81.9	94.0	
42		39.6	59.4	79.2	94.0	55.7	83.6	94.0	39.6	59.4	79.2	94.0	57.7	86.5	94.0	57.7	86.5	94.0	46.8	70.2	93.6	
48		34.7	52.0	69.3	86.7	48.8	73.1	94.0	34.7	52.0	69.3	86.7	50.5	75.7	94.0	50.5	75.7	94.0	41.0	61.4	81.9	
54		30.8	46.2	61.6	77.0	43.3	65.0	86.7	30.8	46.2	61.6	77.0	44.9	67.3	89.7	44.9	67.3	89.7	36.4	54.6	72.8	
60		25.9	79.4	94.0	94.0	74.5	94.0	94.0	52.9	79.4	94.0	94.0	77.1	94.0	94.0	77.1	94.0	94.0	62.5	93.8	94.0	
30	132	44.1	66.2	88.2	94.0	62.1	93.1	94.0	44.1	66.2	88.2	94.0	64.2	94.0	94.0	64.2	94.0	94.0	52.1	78.2	94.0	
36		37.8	56.7	75.6	94.0	53.2	79.8	94.0	37.8	56.7	75.6	94.0	55.1	82.6	94.0	55.1	82.6	94.0	44.7	67.0	89.4	
42		33.1	49.6	66.2	82.7	46.5	69.8	93.1	33.1	49.6	66.2	82.7	48.2	72.3	94.0	48.2	72.3	94.0	39.1	58.6	78.2	
48		30.6	76.0	94.0	94.0	71.2	94.0	94.0	50.6	76.0	94.0	94.0	73.7	94.0	94.0	73.7	94.0	94.0	59.8	89.7	94.0	
30	138	42.2	63.3	84.4	94.0	59.4	89.0	94.0	42.2	63.3	84.4	94.0	61.4	92.2	94.0	61.4	92.2	94.0	49.9	74.8	94.0	
36		36.2	54.3	72.3	90.4	50.9	76.3	94.0	36.2	54.3	72.3	90.4	52.7	79.0	94.0	52.7	79.0	94.0	42.7	64.1	85.5	
42		31.7	47.5	63.3	79.1	44.5	66.8	89.0	31.7	47.5	63.3	79.1	46.1	69.1	92.2	46.1	69.1	92.2	37.4	56.1	74.8	
48		60.7	91.0	94.0	94.0	85.3	94.0	94.0	60.7	91.0	94.0	94.0	88.3	94.0	94.0	88.3	94.0	94.0	71.7	94.0	94.0	
24	144	48.5	72.8	94.0	94.0	68.3	94.0	94.0	48.5	72.8	94.0	94.0	70.7	94.0	94.0	70.7	94.0	94.0	57.3	86.0	94.0	
30		40.4	60.7	80.9	94.0	56.9	85.3	94.0	40.4	60.7	80.9	94.0	58.9	88.3	94.0	58.9	88.3	94.0	47.8	71.7	94.0	
36		34.7	52.0	69.3	86.7	48.8	73.1	94.0	34.7	52.0	69.3	86.7	50.5	75.7	94.0	50.5	75.7	94.0	41.0	61.4	81.9	
42		30.3	45.5	60.7	75.8	42.7	64.0	85.3	30.3	45.5	60.7	75.8	44.2	66.3	88.3	44.2	66.3	88.3	35.8	53.8	71.7	
48																						

3300 SYSTEM PARTS TABLE					
Item No.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MAUNFACTURER
A 1	3311	HEAD / STILL / JAMB	2.500 x 4.500	6063-T6 ALUM	TRULITE
A 2	3301	HEAD / STILL / JAMB	2.500 x 4.500	6063-T6 ALUM	TRULITE
A 3	10220	DOOR JAMB	1-3/4" x 4-1/2	6063-T6 ALUM	TRULITE
A 4	3306	DOOR JAMB/JAMB	1-3/4" x 4-1/2	6063-T6 ALUM	TRULITE
A 5	3312	INT. HORIZONTAL	3.250 x 4.500	6063-T6 ALUM	TRULITE
A 6	3302	INT. HORIZONTAL	3.250 x 4.500	6063-T6 ALUM	TRULITE
A 7	3300 A	MALE MULLION	2.124 x4.530	6063-T6 ALUM	TRULITE
A 8	3300 B	FEMALE MULLION	1.625 x 4.530	6063-T6 ALUM	TRULITE
A 9	3305	MALE JAMB	1.50 x 0.188	6063-T6 ALUM	TRULITE
A 10	3303	GLASS STOP COVER	1.780 x 0.938	6063-T6 ALUM	TRULITE
A 11	3304	OPEN BACK GLASS STOP	1.50 x 0.188	6063-T6 ALUM	TRULITE
A 12	3103	GLASS STOP	1.780 x 0.938	6063-T6 ALUM	TRULITE
A 13	3003	GLASS STOP	1.780 x 0.938	6063-T6 ALUM	TRULITE
A 14	3008	TRANSOM GLASS STOP	1.250 x 0.750	6063-T6 ALUM	TRULITE
A 15	3009	TRANSOM GLASS STOP	1.75 x 0.750	6063-T6 ALUM	TRULITE
A 16	3103X	GLASS STOP	-	6063-T6 ALUM	TRULITE
A 17	3103Z	GLASS STOP	-	6063-T6 ALUM	TRULITE
A 18	3108	TRANSOM GLASS STOP	-	6063-T6 ALUM	TRULITE
A 19	3109	TRANSOM GLASS STOP	-	6063-T6 ALUM	TRULITE
B 1	RG 33	FINGER GASKET	0.0186 SPACE	EPDM	TRULITE
B 2	H62J	SET. BLOCK FOR 1-5/16" GLASS	7/16"" X 1 5/16" X 4"	EPDM	TRULITE
B 3	H62D	SET. BLOCK FOR 9/16" GLASS	1/4" X 9/16" X 4"	EPDM	TRULITE
B 4	RG-1	GLAZING GASKET	1/4" X 9/16" X 4"	EPDM	TRULITE
C 1	V2108	GLAZING TAPE	0.250 x 0.375	FOAM TAPE	VARIES
C 2	-	DOWSIL 995	-	SILICONE	DOWSIL
C 3	-	PROGLAZE SSG	-	SILICONE	TREMCO
C 4	-	SIKASIL SG - 10	-	SILICONE	SIKA
C 5	-	DOWSIL 983	-	SILICONE	DOWSIL
C 6	-	ALUMINUM GLASS SPACER	-	ALUMINUM	HELIMA HELVENTION INT. / VARIES
C 7	ST330	REINF. (LENGTH = FH-48" MIN.)	C - 3.375 X 1.000 X .125 THK	C - A36 MIN. / BAR - A572 GR. 50	VARIES
C 8	ST332	REINF. (LENGTH = FH-48" MIN.)	C - 3.375 X 1.0 X 0.125 & 3.0 X 0.375 BAR	C - A36 MIN. / BAR - A572 GR. 50	VARIES
C 9	ST333	REINF. (LENGTH = FH-48" MIN.)	C - 3.375 X 1.0 X 0.125 & 3.0 X 0.50 BAR	C - A36 MIN. / BAR - A572 GR. 50	VARIES
C 10	ST334	REINF. (LENGTH = FH-48" MIN.)	C - 3.375 X 1.0 X 0.125 & 3.0 X 0.75 BAR	C - A36 MIN. / BAR - A572 GR. 50	VARIES
C 11	ST337	REINF. (LENGTH = FH-48" MIN.)	C - 1.06"x 4" x 0.875 x 3/16"	STEEL A572 GR. 50	VARIES
C 12	-	-	-	-	-
C 13	-	3/8" THRU-BOLT	-	STEEL GR. 2 MIN.	VARIES
C 14	ST351X	REINF. (LENGTH = FH-48" MIN.)	1"X4" FLAT BAR	STEEL A572 GR. 50	VARIES
D 1	23233	ASSEMBLY SCREWS	#14-20x1 1/2" PH TC MS (GR. 5)	STEEL (ZINC COATED)	ALLOY FASTENER
D 2	23126	ASSEMBLY SCREWS	#12-24x 1" PPH-23 MS (GR. 5)	STEEL (ZINC COATED)	ALLOY FASTENER
D 3	23163	RETENTION SCREW @ REINF.	#12-24x 3/4" PFH-23 MS	STEEL (ZINC COATED)	ALLOY FASTENER



SERIES 3300 STOREFRONT SYSTEM

NOTES:

- GLASS NOT SHOWN FOR CLARITY.
- FRAME AND PANEL CORNERS, INSTALLATION SCREWS TO BE SEALED WITH CLEAR SEALANT.
- FRAME DETAIL ABOVE SHOWS CONNECTIONS OF HORIZONTALS MEMBERS TO VERTICAL MEMBERS. JAMBS AND MULLIONS CAN BE WITH OR WITHOUT REINFORCEMENTS. SEE SHEETS 4 THRU 9 FOR OPTIONS.



<http://www.trulite.com>

403 West Park Court, Suite 201
Peachtree City, GA 30269
p. 800-432-8132

PRODUCT:

3300 IMPACT STOREFRONT SYSTEM LMI (HVHZ)



REVN	DATE/REMARKS

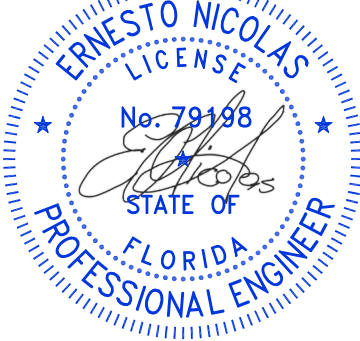
ENGINEER:



En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

DATE: DEC. 15, 2023

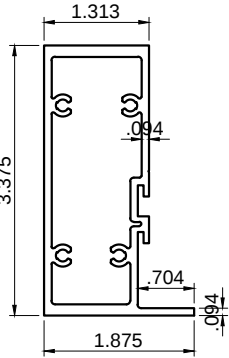
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DRWG. No: 23FL-100 SCALE: NTS

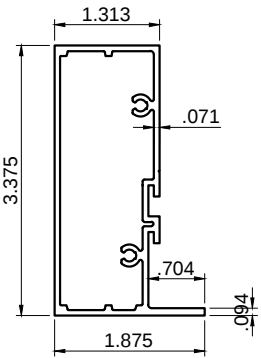
SHEET NO.:

16 OF 17

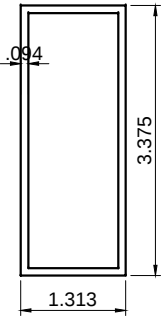
3300 PARTS TABLE



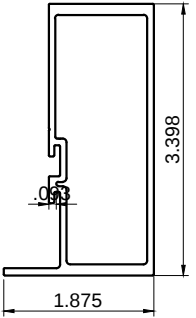
A1)3311 - HEAD/SILL/JAMB



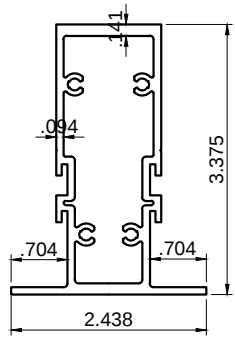
A2)3301 - HEAD/SILL/JAMB



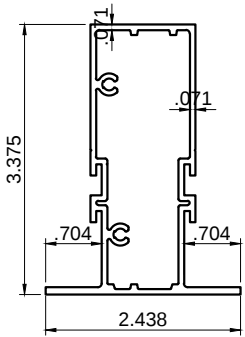
A3)10220 - DOOR JAMB



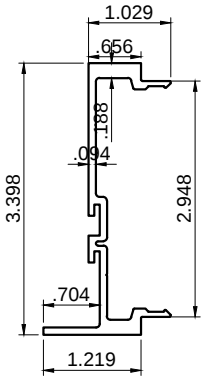
A4)3306 - DOOR JAMB



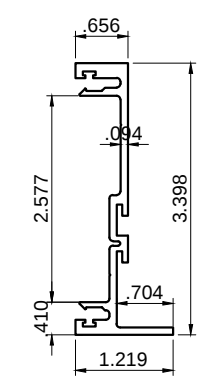
A5)3312 INT. VERTICAL/HORIZONTAL



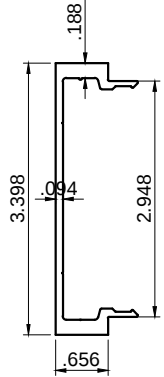
A6)3302 INT. VERTICAL/HORIZONTAL



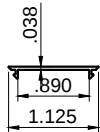
A7)3300A MALE MULLION



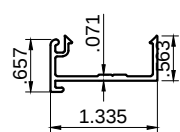
A8)3300B FEMALE MULLION



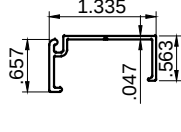
A9)3305 MALE JAMB



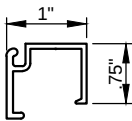
A10)3303 GLASS STOP COVER



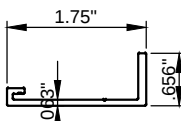
A11)3304 OPEN BACK GLASS STOP



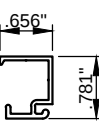
A12)3103 - GLASS STOP



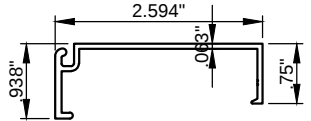
A13)3003 GLASS STOP



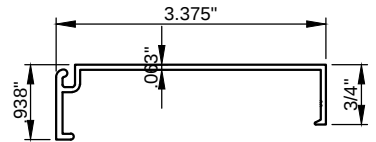
A14)3008 - GLASS STOP



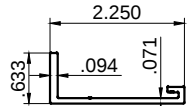
A15)3009 - GLASS STOP



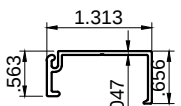
A16)3103X GLASS STOP



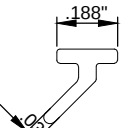
A17)3103Z - GLASS STOP



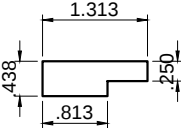
A18)3108 - GLASS STOP



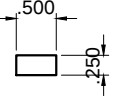
A19)3109 - GLASS STOP



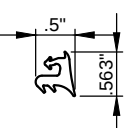
B1)RG-33 - FINGER GASKET



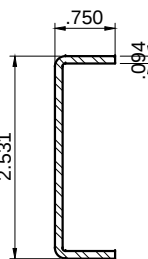
B2)H62J - SETTING BLOCK



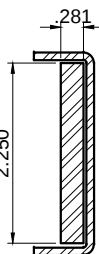
B3)H62D - SETTING BLOCK



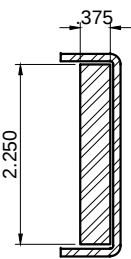
B4)RG-1 EXT. GLAZING GASKET



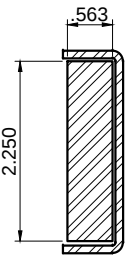
C7)ST330 - STEEL REINF.



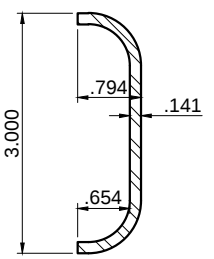
C8)ST332 - STEEL REINF.



C9)ST333 STEEL REINF.



C10)ST334 - STEEL REINF.



C10)ST337 STEEL REINF.



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PRODUCT:

**3300 IMPACT
STOREFRONT SYSTEM**
LMI (HVHZ)



REVN	DATE/REMARKS

ENGINEER:



En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 218 7027
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

DATE: DEC. 15, 2023

DRAWN: ML CHK: ESN

DRWG. No: 23FL-100 SCALE: NTS

SHEET NO.:

17 OF 17