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INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1

DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2

SEE CHARTS ON SHEET 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
FOR STRUCTURAL GLAZING (SSG SYSTEM) ONLY
CHECK SILICONE CAPACITY USING CHART ON SHEET 6.
- STEP 3

CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 7 THRU 8.1.
- STEP 4

USING HEAD/SILL ANCHOR DETAILS ON SHEETS 9 THRU 10.3
SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5

CHECK INTERMEDIATE ANCHOR CAPACITY FOR DOUBLE SPANS USING CHARTS OR DETAILS ON SHEETS 16 THRU 19.
- STEP 6

THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM.

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES-5250
ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

CURTAIN WALL SYSTEM COMPLIES WITH REQUIREMENTS
OF ANSI Z97.1.

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

Sealed: 8/29/2024

FL #27598

- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



afc

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

TEL. (305) 264-8100

FAX. (305) 262-6978

(C.A.N. 3538)

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC

3550 N.W. 49 STREET

MIAMI, FL. 33142

TEL. (305) 638-5151

FAX. (305) 638-5158

revisions:

no	date	by	description
A	02.14.19		GENERAL REVISION
B	12.28.20		UPDATED TO 2020 FBC
C	10.25.23		NEW TEST ADDED
d	07.16.24		NEW TEST ADDED

date: 06-27-18

scale: -

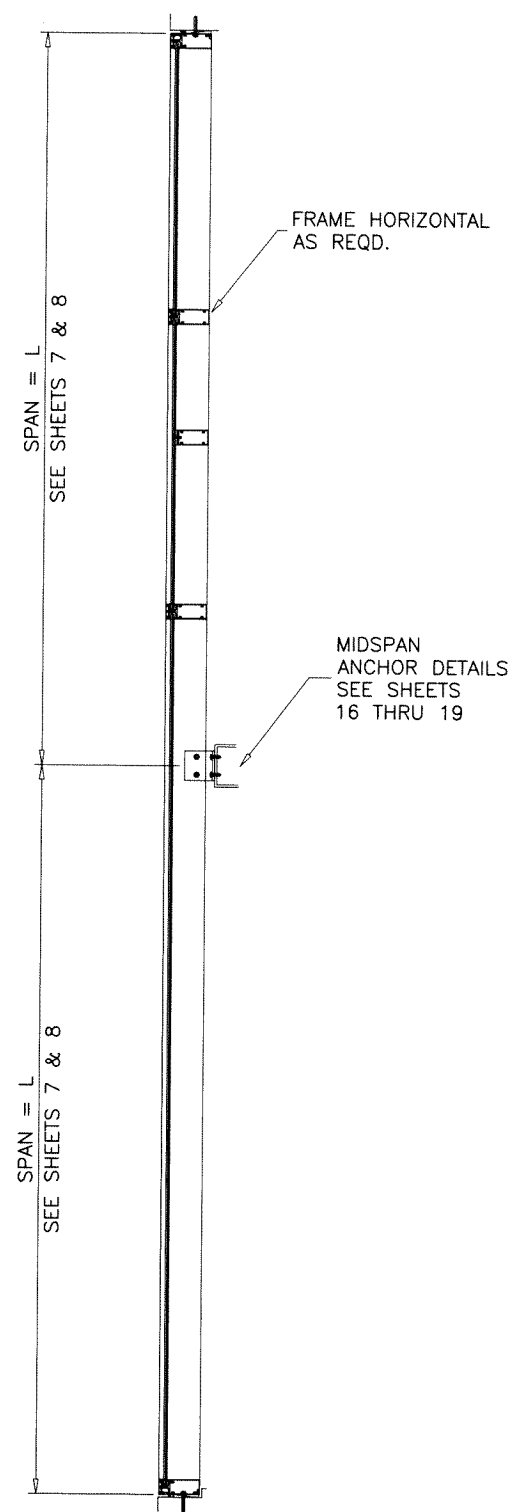
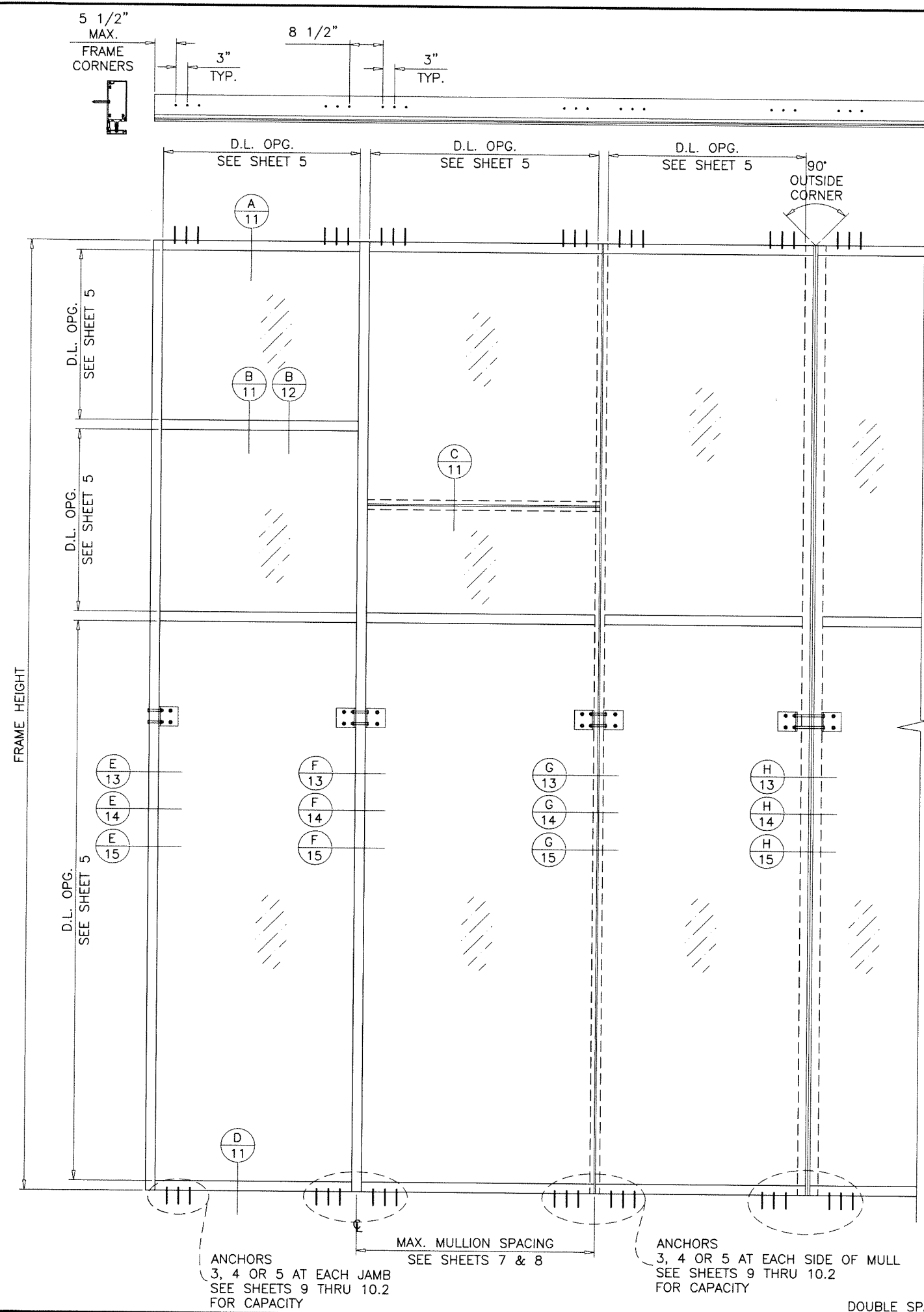
dr. by: TARIQ

chk. by:

drawing no.

18-33F

sheet 1 of 23

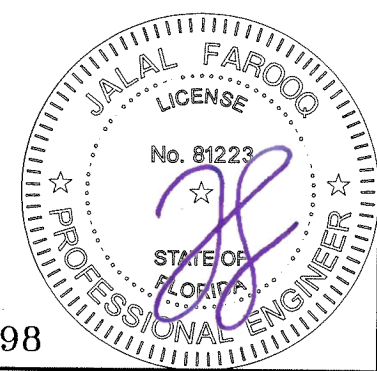


TYPICAL ELEVATION

DOUBLE SPAN WITHOUT HEAD RECEPTOR W/ 90° EXTERIOR CORNER

Sealed: 8/29/2024

FL #27598



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP - ANL \ 18-33F - TG

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

date: 06-27-18
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

revisions:
no date by description

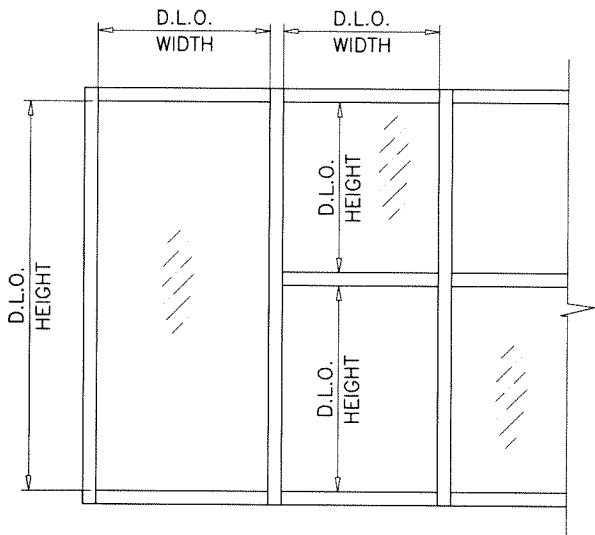
drawing no.
18-33F
sheet 4 of 23

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
27-1/2"	79"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		121.0	121.0
57-1/2"		117.0	117.0
63-1/2"		106.4	106.4
69-1/2"		97.5	97.5
75-1/2"		90.0	90.0
81-1/2"		83.6	83.6
82-1/2"		44.0	44.0
27-1/2"	85"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		121.0	121.0
57-1/2"		117.0	117.0
63-1/2"		106.4	106.4
69-1/2"		97.5	97.5
75-1/2"		90.0	90.0
81-1/2"		42.6	42.6
82-1/2"		42.1	42.1
27-1/2"	91"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		121.0	121.0
57-1/2"		117.0	117.0
63-1/2"		106.4	106.4
69-1/2"		97.5	97.5
75-1/2"		46.0	46.0
81-1/2"		42.6	42.6
82-1/2"		42.1	42.1
27-1/2"	97"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		121.0	121.0
57-1/2"		117.0	117.0
63-1/2"		106.4	106.4
69-1/2"		50.0	50.0
75-1/2"		46.0	46.0
81-1/2"		42.6	42.6
82-1/2"		42.1	42.1

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
27-1/2"	103"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		121.0	121.0
55-1/2"		117.0	117.0
57-1/2"		106.4	106.4
63-1/2"		54.7	54.7
69-1/2"		50.0	50.0
75-1/2"		46.0	46.0
81-1/2"		42.6	42.6
82-1/2"		42.1	42.1
27-1/2"	109"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		121.0	121.0
57-1/2"		117.0	117.0
63-1/2"		54.7	54.7
69-1/2"		50.0	50.0
75-1/2"		46.0	46.0
81-1/2"		42.6	42.6
82-1/2"		42.1	42.1
27-1/2"	115"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		121.0	121.0
57-1/2"		60.0	60.0
63-1/2"		54.7	54.7
69-1/2"		50.0	50.0
75-1/2"		46.0	46.0
81-1/2"		42.6	42.6
82-1/2"		42.1	42.1
27-1/2"	121"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		60.0	60.0
57-1/2"		59.5	59.5
63-1/2"		54.7	54.7
69-1/2"		50.0	50.0
75-1/2"		46.0	46.0

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
27-1/2"	127"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		60.0	60.0
57-1/2"		58.6	58.6
63-1/2"		54.7	54.7
69-1/2"		50.0	50.0
75-1/2"		46.0	46.0
81-1/2"	130"	60.0	60.0
82-1/2"		59.7	59.7
27-1/2"	133"	58.2	58.2
33-1/2"		54.3	54.3
39-1/2"	139"	50.0	50.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		130.0	130.0
57-1/2"		124.6	124.6
63-1/2"		60.0	60.0
69-1/2"		59.3	59.3
75-1/2"		57.8	57.8
81-1/2"		53.9	53.9
82-1/2"		50.0	50.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

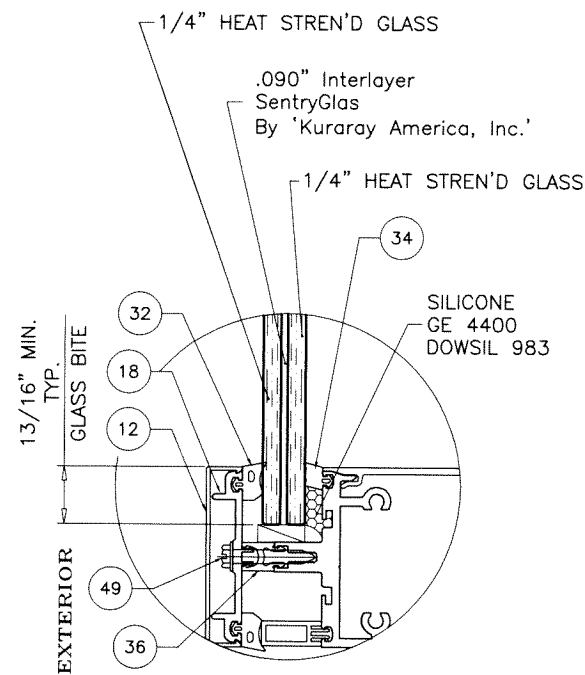


SINGLE 'O' PANEL:
FRAME WIDTH = D.L.O. WIDTH + 5.00"
FRAME HEIGHT = D.L.O. HEIGHT + 5.00"

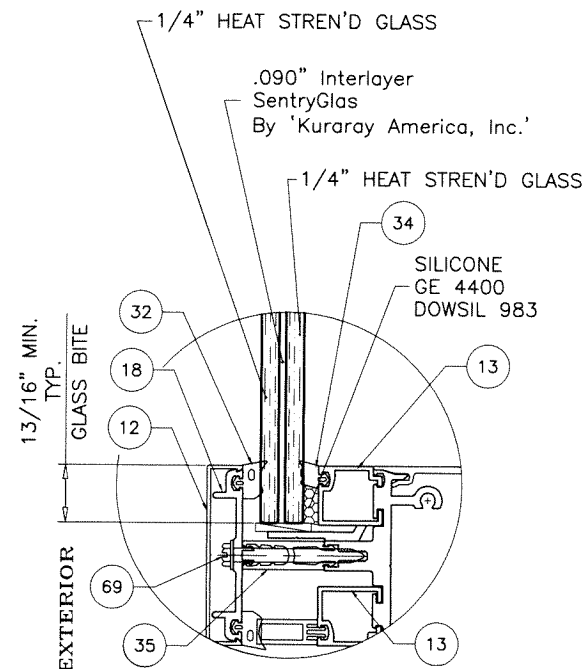
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
27-1/2"	79"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		130.0	130.0
57-1/2"		130.0	130.0
63-1/2"		118.2	118.2
69-1/2"		104.7	104.7
75-1/2"		80.0	80.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	85"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		130.0	130.0
57-1/2"		130.0	130.0
63-1/2"		114.2	114.2
69-1/2"		86.7	86.7
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	91"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		130.0	130.0
57-1/2"		130.0	130.0
63-1/2"		94.5	94.5
69-1/2"		86.7	86.7
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	97"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		130.0	130.0
57-1/2"		125.7	125.7
63-1/2"		94.5	94.5
69-1/2"		86.7	86.7
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
27-1/2"	103"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		130.0	130.0
55-1/2"		130.0	130.0
57-1/2"		104.0	104.0
63-1/2"		54.7	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	109"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		115.6	115.6
55-1/2"		107.6	107.6
57-1/2"		104.0	104.0
63-1/2"		54.7	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	115"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		115.6	115.6
55-1/2"		60.0	60.0
57-1/2"		60.0	60.0
63-1/2"		54.7	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	121"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		115.6	115.6
55-1/2"		60.0	60.0
57-1/2"		59.5	59.5
63-1/2"		54.7	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0

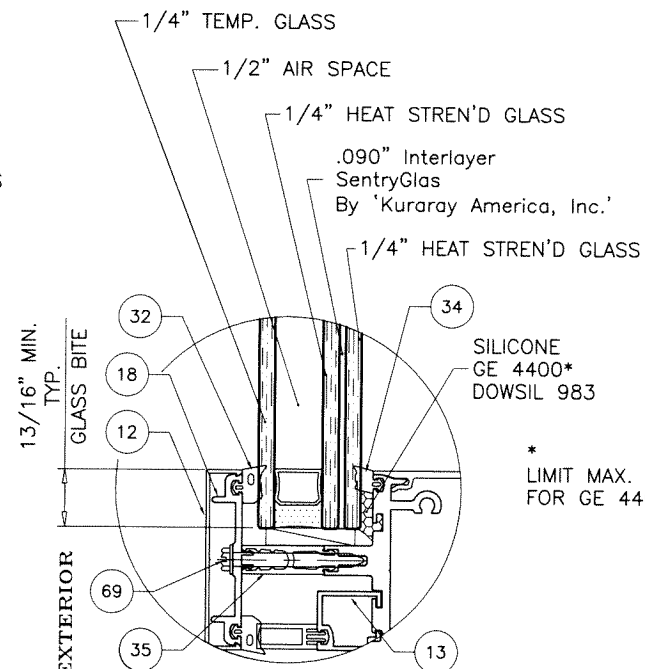
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(−)
27-1/2"	127"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		60.0	60.0
55-1/2"		60.0	60.0
57-1/2"		58.6	59.0
63-1/2"		54.7	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	130"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		130.0	130.0
51-1/2"		60.0	60.0
55-1/2"		59.7	59.7
57-1/2"		58.2	59.0
63-1/2"		54.5	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0
81-1/2"		54.5	59.0
82-1/2"		54.5	59.0
27-1/2"	133"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		128.4	128.4
51-1/2"		60.0	60.0
55-1/2"		59.3	59.3
57-1/2"		57.8	59.0
63-1/2"		54.5	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0
27-1/2"	139"	130.0	130.0
33-1/2"		130.0	130.0
39-1/2"		130.0	130.0
45-1/2"		125.4	125.4
51-1/2"		60.0	60.0
55-1/2"		58.7	59.0
57-1/2"		57.1	57.1
63-1/2"		54.5	59.0
69-1/2"		54.5	59.0
75-1/2"		54.5	59.0



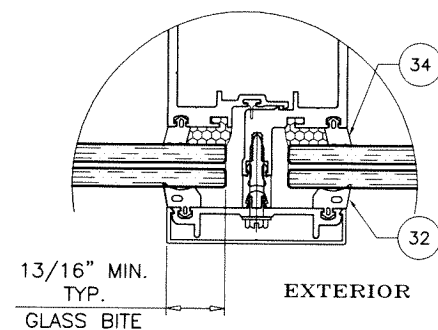
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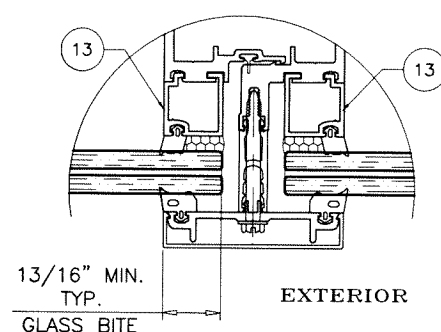
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9/16" LAM. GLASS



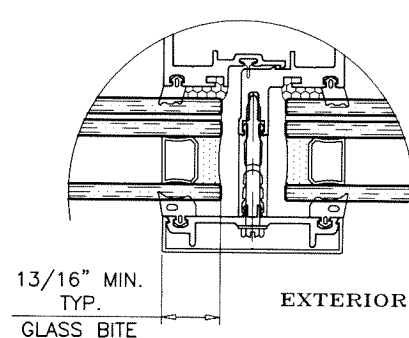
*
LIMIT MAX. D.L.O. AREA TO 43.9 SQ. FT.
FOR GE 4400 SILICONE



GLASS TYPE 'A'
AT CAPTURED JAMB/MULLION



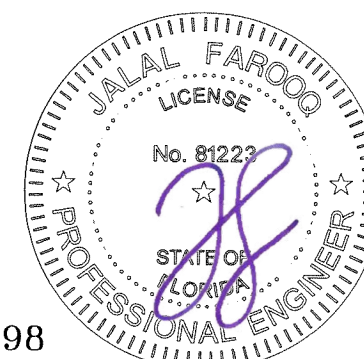
GLASS TYPE 'A'
AT CAPTURED JAMB/MULLION



GLASS TYPE 'A1'
AT CAPTURED JAMB/MULLION

1/2" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

GLAZING DETAILS W/ PRESSURE PLATE CAPTURED SYSTEM



Sealed: 8/29/2024

FL #27598

AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33173 (C.A.N. 3538)
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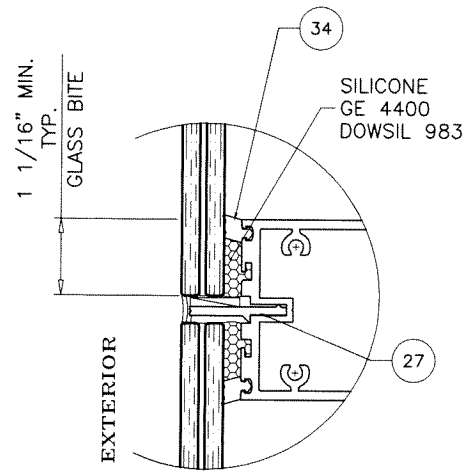
SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

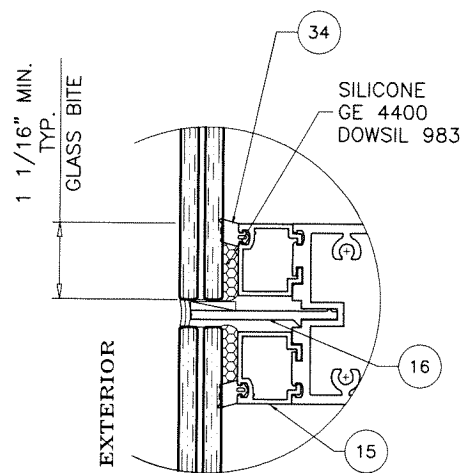
drawing no.		sheet 5.1 of 23	
18-33F			
date: 06-27-18		revisions:	
scale: 3/8" = 1"		no	date by description
dr. by: TARIQ			
chk. by:			

drawing no.
18-33F

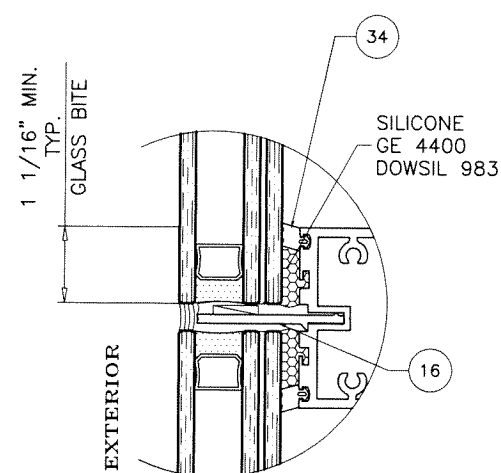
sheet 5.1 of 23



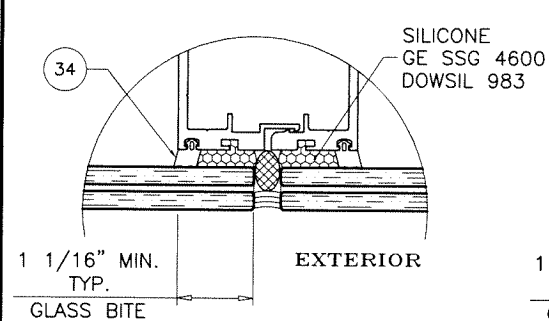
GLASS TYPE 'A'
AT SSG HORIZONTAL



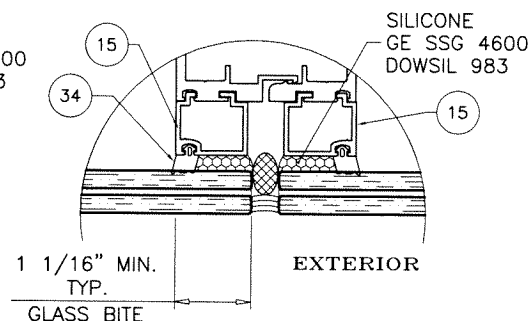
GLASS TYPE 'A'
AT SSG HORIZONTAL



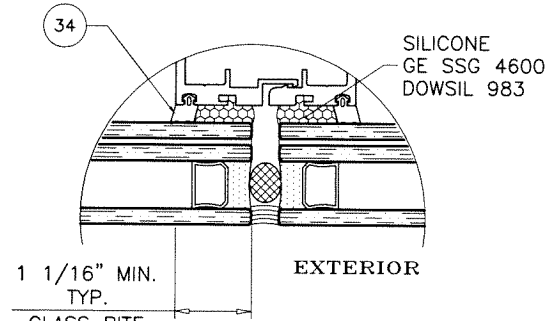
GLASS TYPE 'A1'
AT SSG HORIZONTAL



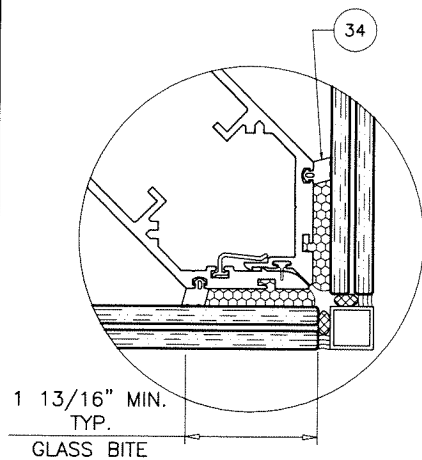
GLASS TYPE 'A'
AT SSG MULLION



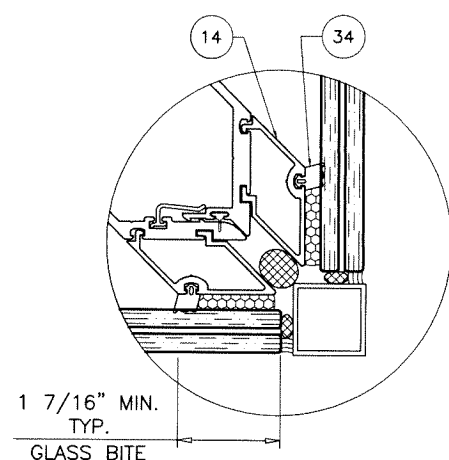
GLASS TYPE 'A'
AT SSG MULLION



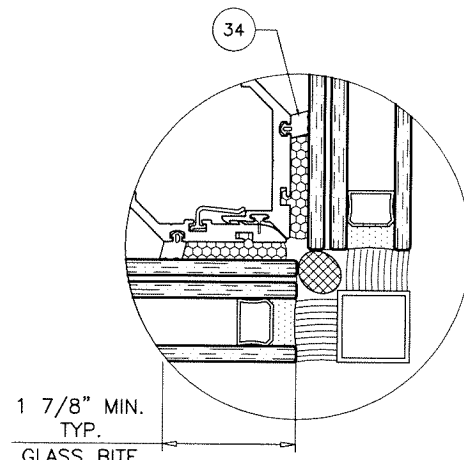
GLASS TYPE 'A1'
AT SSG MULLION



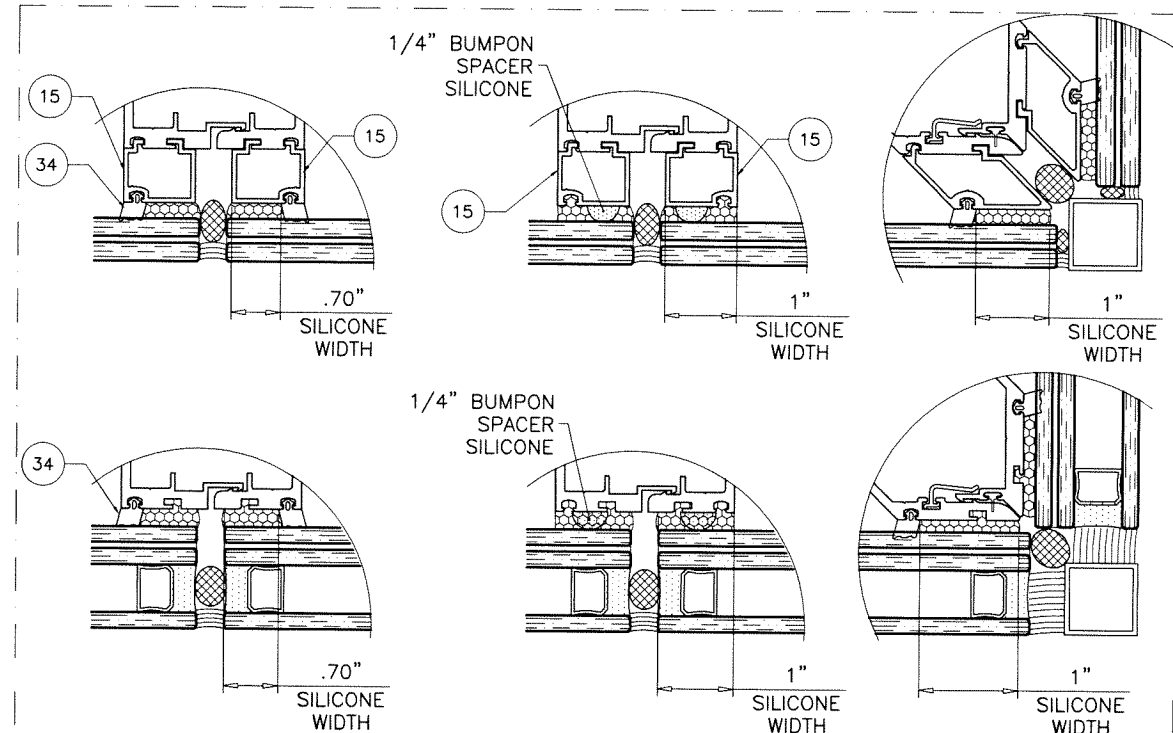
GLASS TYPE 'A'
AT SSG CORNER MULLION



GLASS TYPE 'A'
AT SSG CORNER MULLION



GLASS TYPE 'A1'
AT SSG CORNER MULLION

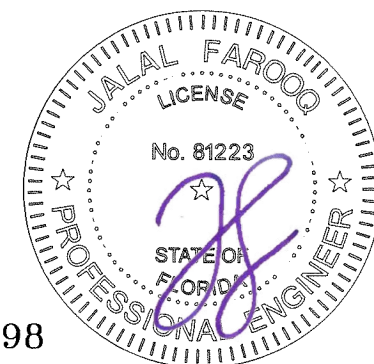


STRUCTURAL SILICONE (SSG) CAPACITY-PSF AT VERTICALS		
D.L.O. WIDTH	SILICONE WIDTH	
	.7 IN.	1 IN.
27-1/2"	130.0	130.0
33-1/2"	120.4	130.0
39-1/2"	102.1	130.0
45-1/2"	88.6	126.6
51-1/2"	78.3	111.8
55-1/2"	72.6	103.8
57-1/2"	70.1	100.2
63-1/2"	63.5	90.7
69-1/2"	58.0	82.9
75-1/2"	53.4	76.3
82-1/2"	48.9	60.0

DESIGN LOADS FOR SILICONE WIDTHS AT SSG MULLIONS ONLY.
LOWER DESIGN LOADS FROM SHEET 5 OR CHART ABOVE SHALL
CONTROL.

Sealed: 8/29/2024

FL #27598

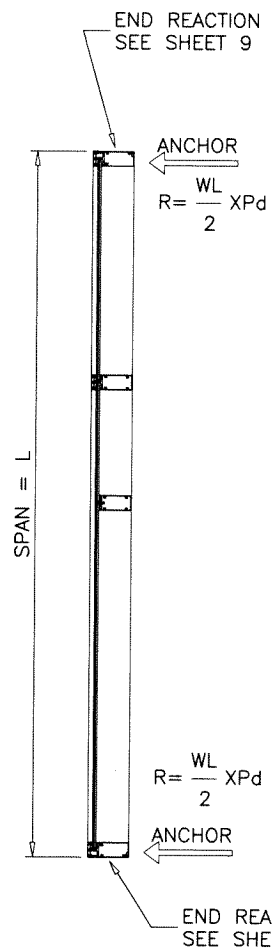


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
C.A.N. 3538

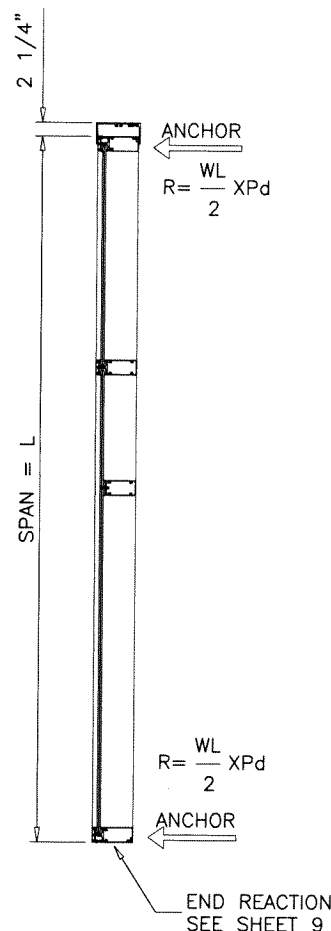
SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

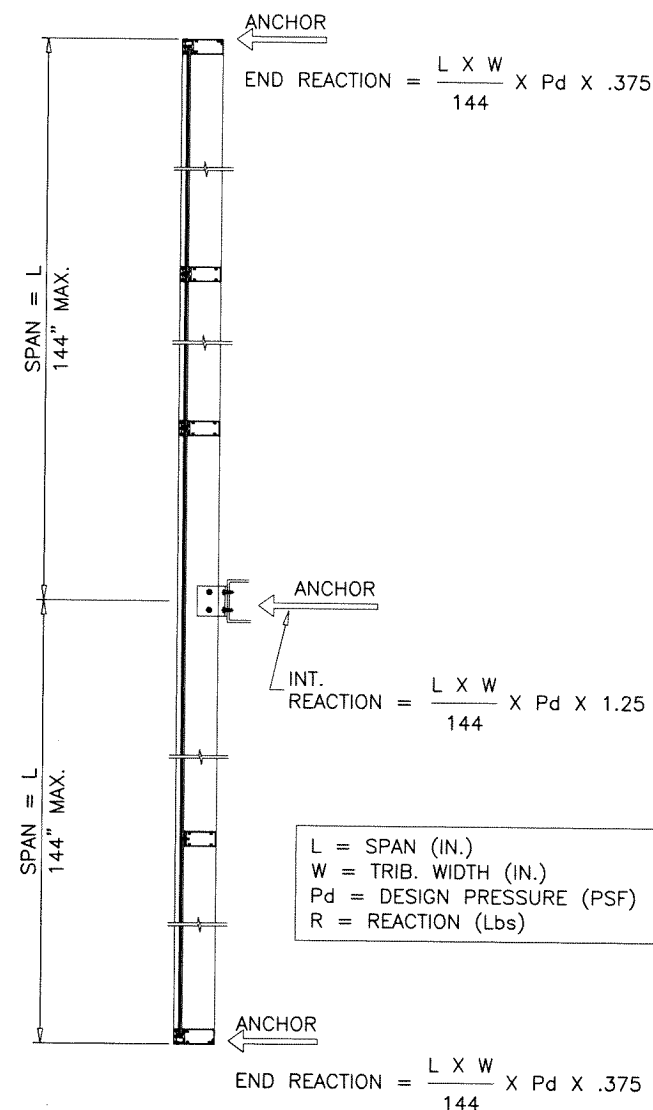
revisions:	
no	date
by description	
date: 06-27-18	scale: 3/8" = 1"
dr. by: TARIQ	chk. by:
drawing no.	
18-33F	
sheet 6 of 23	



SINGLE SPAN
WITHOUT RECEPTOR



SINGLE SPAN
WITH RECEPTOR



DOUBLE SPANS
WITHOUT RECEPTOR

SEE CHART ON SHEET 8 FOR MULLION DESIGN LOAD CAPACITY.

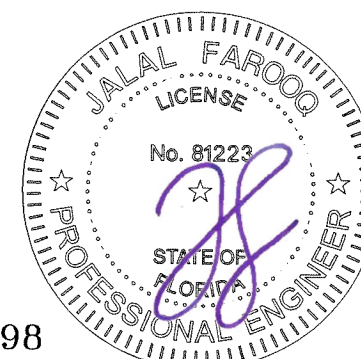
JAMB TYPES 'J1', 'J2', 'J3' AND MULLION TYPES 'M1', 'M2' & 'M3' APPROVED FOR SINGLE SPANS INSTALLATIONS ONLY.

JAMB TYPE 'J4' AND MULLION TYPES 'M4' & 'MC' APPROVED FOR SINGLE SPANS AND DOUBLE SPANS INSTALLATIONS.

INTERMEDIATE HORIZONTAL IS AN INTEGRAL PART OF SINGLE OR DOUBLE SPANS.
UNEQUAL SPANS TO BE CHECKED ON JOB TO JOB BASIS
UNDER SEPARATE APPROVAL TO BE REVIEWED BY BUILDING OFFICIAL

Sealed: 8/29/2024

FL #27598



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\18-33F-TG

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

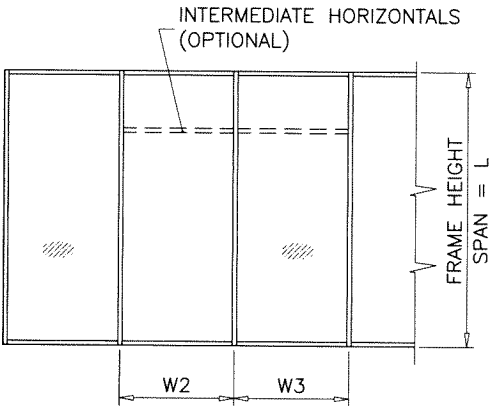
date: 06-27-18
scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-33F
sheet 7 of 23

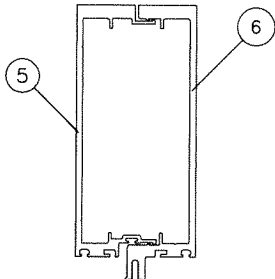
MULLION LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		MULL 'M1'	MULL 'M2'	MULL 'M3'	MULL 'M4'	MULL 'MC'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	84"	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0
54"		130.0	130.0	130.0	130.0	130.0
58"		124.0	130.0	130.0	130.0	130.0
60"		119.9	130.0	130.0	130.0	130.0
66"		109.0	130.0	130.0	130.0	130.0
72"	90"	99.9	120.0	130.0	130.0	130.0
78"		92.2	110.8	130.0	130.0	130.0
84"		85.6	102.9	130.0	130.0	130.0
30"		130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0
48"		129.2	130.0	130.0	130.0	130.0
54"		114.8	130.0	130.0	130.0	130.0
58"		106.9	129.8	130.0	130.0	130.0
60"		103.4	125.5	130.0	130.0	130.0
66"	96"	94.0	114.1	130.0	130.0	130.0
72"		86.1	104.6	130.0	130.0	130.0
78"		79.5	96.5	130.0	130.0	130.0
30"		130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0
42"		128.5	130.0	130.0	130.0	130.0
48"		112.4	130.0	130.0	130.0	130.0
54"		99.9	122.5	130.0	130.0	130.0
58"	102"	93.0	114.1	130.0	130.0	130.0
60"		89.9	110.3	130.0	130.0	130.0
66"		-	100.3	130.0	130.0	130.0
72"		-	91.9	130.0	130.0	130.0
30"		-	130.0	130.0	130.0	130.0
36"		-	130.0	130.0	130.0	130.0
42"		-	130.0	130.0	130.0	130.0
48"		-	122.1	130.0	130.0	130.0
54"	108"	-	108.5	130.0	130.0	130.0
58"		-	101.1	130.0	130.0	130.0
60"		-	97.7	130.0	130.0	130.0
66"		-	88.8	130.0	130.0	130.0
30"		-	130.0	130.0	130.0	130.0
36"		-	130.0	130.0	130.0	130.0
42"		-	124.5	130.0	130.0	130.0
48"		-	108.9	130.0	130.0	130.0
54"	114"	-	96.8	130.0	130.0	130.0
58"		-	90.1	130.0	130.0	130.0
60"		-	-	130.0	130.0	130.0
66"		-	-	130.0	130.0	130.0
30"		-	-	130.0	130.0	130.0
36"		-	-	130.0	130.0	130.0
42"		-	-	130.0	130.0	130.0
48"		-	-	130.0	130.0	130.0
54"	120"	-	-	130.0	130.0	130.0
58"		-	-	130.0	130.0	130.0
60"		-	-	130.0	130.0	130.0
66"		-	-	130.0	130.0	130.0
72"		-	-	130.0	130.0	130.0
78"		-	-	130.0	130.0	130.0
84"		-	-	130.0	130.0	130.0
88"		-	-	123.3	130.0	130.0

MULLION LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		MULL 'M1'	MULL 'M2'	MULL 'M3'	MULL 'M4'	MULL 'MC'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	126"	-	-	130.0	130.0	130.0
36"		-	-	130.0	130.0	130.0
42"		-	-	130.0	130.0	130.0
48"		-	-	130.0	130.0	130.0
54"		-	-	120.1	130.0	130.0
30"	132"	-	-	130.0	130.0	130.0
36"		-	-	130.0	130.0	130.0
42"		-	-	130.0	130.0	130.0
48"		-	-	123.1	130.0	130.0
54"		-	-	109.4	130.0	130.0
30"	138"	-	-	-	130.0	130.0
36"		-	-	-	130.0	130.0
42"		-	-	-	112.7	130.0
48"		-	-	-	98.6	130.0
54"		-	-	-	-	-
30"	144"	-	-	-	130.0	130.0
36"		-	-	-	115.7	130.0
42"		-	-	-	99.2	130.0
48"		-	-	-	86.8	130.0
54"		-	-	-	-	-

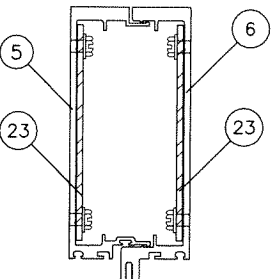
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



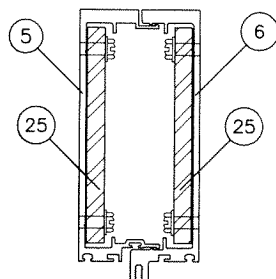
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



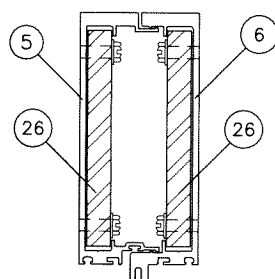
MULLION 'M1'



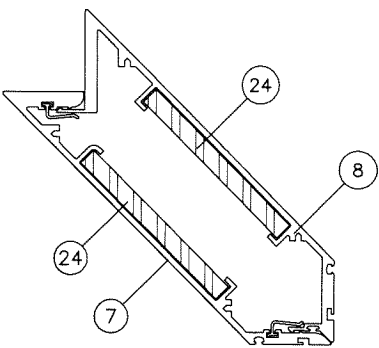
MULLION 'M2'



MULLION 'M3'



MULLION 'M4'



MULLION 'MC'

Ix IN^4	Sx IN^3
10.3928	3.7626

ALUMINUM		Ix IN^4	Sx IN^3
STEEL		10.3928	3.7626
TOTAL		1.8994	.8438
Ix ALUM + Ix STL X 2.9		15.8465	

ALUMINUM		Ix IN^4	Sx IN^3
STEEL		10.3928	3.7626
TOTAL		5.6953	2.5313
Ix ALUM + Ix STL X 2.9		26.7456	

ALUMINUM		Ix IN^4	Sx IN^3
STEEL		10.3928	3.7626
TOTAL		7.5938	3.3750
Ix ALUM + Ix STL X 2.9		32.1966	

ALUMINUM		Ix IN^4	Sx IN^3
STEEL		15.973	4.045
TOTAL		2.0264	1.3094
Ix ALUM + Ix STL X 2.9		21.7914	

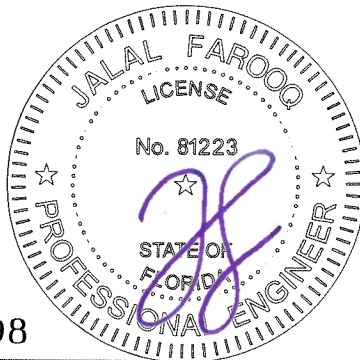
MULLION TYPES 'M1', 'M2' & 'M3' APPROVED FOR SINGLE SPANS INSTALLATIONS ONLY.

MULLION TYPES 'M4' & 'MC' APPROVED FOR SINGLE SPANS AND DOUBLE SPANS INSTALLATIONS.

CHART ABOVE SHOWS FRAME HEIGHTS FOR CURTAIN WALL WITHOUT HEAD RECEPTOR.
FOR CURTAIN WALL WITH HEAD RECEPTORS OVERALL HEIGHT = FRAME HT. FROM CHART + 2-1/4".

Sealed: 8/29/2024

FL #27598



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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C.A.N. 3538

COMP-ANL\18-33F-TG

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

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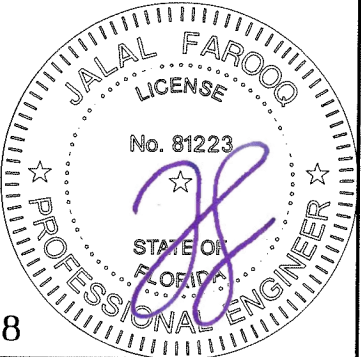
revisions:	no	date	by	description
date:	06-27-18	scale:	-	
dr. by:	TARIQ	chk. by:		
drawing no.	18-33F	sheet	8.1 of 23	

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (HEAD W/O RECEPTOR) EXT.(+) & INT.(-)																		
NOMINAL DIMS.		ANCHORS TYPE 'A'									ANCHORS TYPE 'B'							
		1/4" SHIM SPACE			3/8" SHIM SPACE			1/2" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE		
WIDTH (W)	FRAME HEIGHT	A3	A4	A5	A3	A4	A5	A3	A4	A5	B3	B4	B3	B4	B5	B3	B4	B5
30"	84"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	127.7	130.0	130.0	100.6	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	113.4	130.0	130.0	130.0	130.0	106.5	130.0	130.0	83.8	111.8	130.0
42"		130.0	130.0	130.0	124.2	130.0	130.0	97.2	129.6	130.0	130.0	130.0	91.2	121.7	130.0	71.9	95.8	119.8
48"		127.3	130.0	130.0	108.6	130.0	130.0	85.1	113.4	130.0	130.0	130.0	79.8	106.5	130.0	62.9	83.8	104.8
54"		113.1	130.0	130.0	96.6	128.8	130.0	75.6	100.8	126.0	130.0	130.0	71.0	94.6	118.3	55.9	74.5	93.1
58"		105.3	130.0	130.0	89.9	119.9	130.0	70.4	93.9	117.3	130.0	130.0	66.1	88.1	110.1	52.0	69.4	86.7
60"		101.8	130.0	130.0	86.9	115.9	130.0	68.1	90.7	113.4	130.0	130.0	63.9	85.2	106.5	50.3	67.1	83.8
66"		92.6	123.4	130.0	79.0	105.4	130.0	61.9	82.5	103.1	121.9	130.0	58.1	77.4	96.8	45.7	61.0	76.2
72"		84.9	113.1	130.0	72.4	96.6	120.7	56.7	75.6	94.5	111.7	130.0	53.2	71.0	88.7	41.9	55.9	69.9
78"		78.3	104.4	130.0	66.9	89.1	111.4	52.4	69.8	87.3	103.1	130.0	49.1	65.5	81.9	38.7	51.6	64.5
84"		72.7	97.0	121.2	62.1	82.8	103.5	48.6	64.8	81.0	95.8	127.7	45.6	60.8	76.0	35.9	47.9	59.9
85"		71.9	95.8	119.8	61.4	81.8	102.3	48.0	64.1	80.1	94.6	126.2	45.1	60.1	75.1	35.5	47.3	59.2
30"	90"	130.0	130.0	130.0	130.0	130.0	130.0	127.0	130.0	130.0	130.0	130.0	119.2	130.0	130.0	93.9	125.2	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	105.9	130.0	130.0	130.0	130.0	99.4	130.0	130.0	78.2	104.3	130.0
42"		130.0	130.0	130.0	115.9	130.0	130.0	90.7	121.0	130.0	130.0	130.0	85.2	113.6	130.0	67.1	89.4	111.8
48"		118.8	130.0	130.0	101.4	130.0	130.0	79.4	105.9	130.0	130.0	130.0	74.5	99.4	124.2	58.7	78.2	97.8
54"		105.6	130.0	130.0	90.1	120.2	130.0	70.6	94.1	117.6	130.0	130.0	66.2	88.3	110.4	52.2	69.5	86.9
58"		98.3	130.0	130.0	83.9	111.9	130.0	65.7	87.6	109.5	129.4	130.0	61.7	82.2	102.8	48.6	64.8	80.9
60"		95.0	126.7	130.0	81.1	108.2	130.0	63.5	84.7	105.9	125.1	130.0	59.6	79.5	99.4	46.9	62.6	78.2
66"		86.4	115.2	130.0	73.7	98.3	122.9	57.7	77.0	96.2	113.7	130.0	54.2	72.3	90.3	42.7	56.9	71.1
72"		79.2	105.6	130.0	67.6	90.1	112.7	52.9	70.6	88.2	104.3	130.0	49.7	66.2	82.8	39.1	52.2	65.2
78"		73.1	97.5	121.8	62.4	83.2	104.0	48.9	65.1	81.4	96.2	128.3	45.9	61.1	76.4	36.1	48.1	60.2
84"		67.9	90.5	113.1	57.9	77.3	96.6	45.4	60.5	75.6	89.4	119.2	42.6	56.8	71.0	33.5	44.7	55.9
85"		67.1	89.4	11.8	57.3	76.3	95.4	44.8	59.8	74.7	88.3	117.8	42.1	56.1	70.1	33.1	44.2	55.2
30"	96"	130.0	130.0	130.0	130.0	130.0	130.0	119.1	130.0	130.0	130.0	130.0	111.8	130.0	130.0	88.0	117.4	130.0
36"		130.0	130.0	130.0	126.8	130.0	130.0	99.3	130.0	130.0	130.0	130.0	93.2	124.2	130.0	73.4	97.8	122.3
42"		127.3	130.0	130.0	108.6	130.0	130.0	85.1	113.4	130.0	130.0	130.0	79.8	106.5	130.0	62.9	83.8	104.8
48"		111.4	130.0	130.0	95.1	126.8	130.0	74.4	99.3	124.1	130.0	130.0	69.9	93.2	116.4	55.0	73.4	91.7
54"		99.0	130.0	130.0	84.5	112.7	130.0	66.2	88.2	110.3	130.0	130.0	62.1	82.8	103.5	48.9	65.2	81.5
58"		92.2	122.9	130.0	78.7	104.9	130.0	61.6	82.1	102.7	121.3	130.0	57.8	77.1	96.4	45.5	60.7	75.9
60"		89.1	118.8	130.0	76.1	101.4	126.8	59.6	79.4	99.3	117.3	130.0	55.9	74.5	93.2	44.0	58.7	73.4
66"		81.0	108.0	130.0	69.1	92.2	115.2	54.1	72.2	90.2	106.6	130.0	50.8	67.7	84.7	40.0	53.3	66.7
72"		74.3	99.0	123.8	63.4	84.5	105.6	49.6	66.2	82.7	97.8	130.0	46.4	62.1	77.6	36.7	48.9	61.1
78"		68.5	91.4	114.2	58.5	78.0	97.5	45.8	61.1	76.3	90.2	120.3	43.0	57.3	71.7	33.9	45.1	56.4
84"		63.6	84.9	106.1	54.3	72.4	90.5	42.5	56.7	70.9	83.8	111.7	39.9	53.2	66.5	31.4	41.9	52.4
85"		62.9	83.9	104.8	53.7	71.6	89.5	42.0	56.0	70.1	82.8	110.4	39.5	52.6	65.8	31.1	41.4	51.8
30"	102"	130.0	130.0	130.0	130.0	130.0	130.0	112.1	130.0	130.0	130.0	130.0	105.2	130.0	130.0	82.8	110.5	130.0
36"		130.0	130.0	130.0	119.3	130.0	130.0	93.4	124.5	130.0	130.0	130.0	87.7	116.9	130.0	69.0	92.0	115.1
42"		119.8	130.0	130.0	102.3	130.0	130.0	80.1	106.8	130.0	130.0	130.0	75.1	100.2	125.2	59.2	78.9	98.6
48"		104.8	130.0	130.0	89.5	119.3	130.0	70.1	93.4	116.8	130.0	130.0	65.8	87.7	109.6	51.8	69.0	86.3
54"		93.2	124.2	130.0	79.5	106.0	130.0	62.3	83.0	103.8	122.7	130.0	58.4	77.9	97.4	46.0	61.4	76.7
58"		86.8	115.7	130.0	74.0	98.7	123.4	58.0	77.3	96.6	114.2	130.0	54.4	72.6	90.7	42.8	57.1	71.4
60"		83.9	111.8	130.0	71.6	95.4	119.3	56.0	74.7	93.4	110.4	130.0	52.6	70.1	87.7	41.4	55.2	69.0
66"		76.2	101.6	127.1	65.1	86.8	108.4	51.0	67.9	84.9	100.4	130.0	47.8	63.8	79.7	37.7	50.2	62.8
72"		69.9	93.2	116.5	59.6	79.5	99.4	46.7	62.3	77.8	92.0	122.7	43.8	58.4	73.1	34.5	46.0	57.5
78"		64.5	86.0	107.5	55.1	73.4	91.8	43.1	57.5	71.9	84.9	113.2	40.5	54.0	67.4	31.9	42.5	53.1
84"		59.9	79.9	99.8	51.1	68.2	85.2	40.0	53.4	66.7	78.9	105.1	37.6	50.1	62.6	29.6	39.4	49.3
85"		59.2	78.9	98.7	50.5	67.4	84.2	39.6	52.8	65.9	77.9	103.9	37.1	49.5	61.9	29.2	39.0	48.7

CHART CONTINUES NEXT SHEET

Sealed: 8/29/2024

FL #27598



af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL: (305) 264-8100 FAX: (305) 262-6978
(C.A.N. 3538)

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL 33142
TEL: (305) 638-5151 FAX: (305) 638-5158

revisions:

no	date	by	description

date: 06-27-18

scale: -

dr. by: TARIQ

chk. by:

drawing no.
18-33F

sheet **9** of **23**

COMP-ANL\18-33F-TG

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (HEAD W/O RECEPTOR) EXT.(+) & INT.(–)																		
NOMINAL DIMS.		ANCHORS TYPE 'A'									ANCHORS TYPE 'B'							
		1/4" SHIM SPACE			3/8" SHIM SPACE			1/2" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE		
WIDTH (W)	FRAME HEIGHT	A3	A4	A5	A3	A4	A5	A3	A4	A5	B3	B4	B3	B4	B5	B3	B4	B5
30"	108"	130.0	130.0	130.0	130.0	130.0	130.0	105.9	130.0	130.0	130.0	130.0	99.4	130.0	130.0	78.2	104.3	130.0
36"		130.0	130.0	130.0	112.7	130.0	130.0	88.2	117.6	130.0	130.0	130.0	82.8	110.4	130.0	65.2	86.9	108.7
42"		113.1	130.0	130.0	96.6	128.8	130.0	75.6	100.8	126.0	130.0	130.0	71.0	94.6	118.3	55.9	74.5	93.1
48"		99.0	130.0	130.0	84.5	112.7	130.0	66.2	88.2	110.3	130.0	130.0	62.1	82.8	103.5	48.9	65.2	81.5
54"		88.0	117.3	130.0	75.1	100.1	125.2	58.8	78.4	98.0	115.9	130.0	55.2	73.6	92.0	43.5	58.0	72.4
58"		81.9	109.2	130.0	69.9	93.2	116.6	54.8	73.0	91.3	107.9	130.0	51.4	68.5	85.7	40.5	54.0	67.4
60"		79.2	105.6	130.0	67.6	90.1	112.7	52.9	70.6	88.2	104.3	130.0	49.7	66.2	82.8	39.1	52.2	65.2
66"		72.0	96.0	120.0	61.5	81.9	102.4	48.1	64.2	80.2	94.8	126.4	45.2	60.2	75.3	35.6	47.4	59.3
72"		66.0	88.0	110.0	56.3	75.1	93.9	44.1	58.8	73.5	86.9	115.9	41.4	55.2	69.0	32.6	43.5	54.3
78"		60.9	81.2	101.5	52.0	69.3	86.7	40.7	54.3	67.9	80.2	106.9	38.2	51.0	63.7	30.1	40.1	50.2
84"		56.6	75.4	94.3	48.3	64.4	80.5	37.8	50.4	63.0	74.5	99.3	35.5	47.3	59.1	27.9	37.3	46.6
85"		55.9	74.5	93.2	47.7	63.6	79.5	37.4	49.8	62.3	73.6	98.1	35.1	46.8	58.4	27.6	36.8	46.0
30"	114"	130.0	130.0	130.0	128.1	130.0	130.0	100.3	130.0	130.0	130.0	130.0	94.1	125.5	130.0	74.1	98.8	123.5
36"		125.1	130.0	130.0	106.7	130.0	130.0	83.6	111.4	130.0	130.0	130.0	78.4	104.6	130.0	61.8	82.4	102.9
42"		107.2	130.0	130.0	91.5	122.0	130.0	71.6	95.5	119.4	130.0	130.0	67.2	89.6	112.1	52.9	70.6	88.2
48"		93.8	125.1	130.0	80.1	106.7	130.0	62.7	83.6	104.5	123.5	130.0	58.8	78.4	98.1	46.3	61.8	77.2
54"		83.4	111.2	130.0	71.2	94.9	118.6	55.7	74.3	92.9	109.8	130.0	52.3	69.7	87.2	41.2	54.9	68.6
58"		77.6	103.5	129.4	66.3	88.3	110.4	51.9	69.2	86.5	102.2	130.0	48.7	64.9	81.1	38.3	51.1	63.9
60"		75.0	100.0	125.1	64.0	85.4	106.7	50.1	66.9	83.6	98.8	130.0	47.1	62.8	78.4	37.1	49.4	61.8
66"		68.2	90.9	113.7	58.2	77.6	97.0	45.6	60.8	76.0	89.8	119.7	42.8	57.0	71.3	33.7	44.9	56.2
72"		62.5	83.4	104.2	53.4	71.2	88.9	41.8	55.7	69.6	82.3	109.8	39.2	52.3	65.4	30.9	41.2	51.5
78"		57.7	77.0	96.2	49.3	65.7	82.1	38.6	51.4	64.3	76.0	101.3	36.2	48.3	60.3	28.5	38.0	47.5
84"		53.6	71.5	89.3	45.7	61.0	76.2	35.8	47.8	59.7	70.6	94.1	33.6	44.8	56.0	26.5	35.3	44.1
85"		53.0	70.6	88.3	45.2	60.3	75.3	35.4	47.2	59.0	69.7	93.0	33.2	44.3	55.4	26.2	34.9	43.6
30"	120"	130.0	130.0	130.0	121.7	130.0	130.0	95.3	127.0	130.0	130.0	130.0	89.4	119.2	130.0	70.4	93.9	117.4
36"		118.8	130.0	130.0	101.4	130.0	130.0	79.4	105.9	130.0	130.0	130.0	74.5	99.4	124.2	58.7	78.2	97.8
42"		101.8	130.0	130.0	86.9	115.9	130.0	68.1	90.7	113.4	130.0	130.0	63.9	85.2	106.5	50.3	67.1	83.8
48"		89.1	118.8	130.0	76.1	101.4	126.8	59.6	79.4	99.3	117.3	130.0	55.9	74.5	93.2	44.0	58.7	73.4
54"		79.2	105.6	130.0	67.6	90.1	112.7	52.9	70.6	88.2	104.3	130.0	49.7	66.2	82.8	39.1	52.2	65.2
58"		73.7	98.3	122.9	62.9	83.9	104.9	49.3	65.7	82.1	97.1	129.4	46.3	61.7	77.1	36.4	48.6	60.7
60"		71.3	95.0	118.8	60.8	81.1	101.4	47.6	63.5	79.4	93.8	125.1	44.7	59.6	74.5	35.2	46.9	58.7
66"		64.8	86.4	108.0	55.3	73.7	92.2	43.3	57.7	72.2	85.3	113.7	40.6	54.2	67.7	32.0	42.7	53.3
72"		59.4	79.2	99.0	50.7	67.6	84.5	39.7	52.9	66.2	78.2	104.3	37.3	49.7	62.1	29.3	39.1	48.9
78"		54.8	73.1	91.4	46.8	62.4	78.0	36.6	48.9	61.1	72.2	96.2	34.4	45.9	57.3	27.1	36.1	45.1
84"		50.9	67.9	84.9	43.5	57.9	72.4	34.0	45.4	56.7	67.0	89.4	31.9	42.6	53.2	25.1	33.5	41.9
85"		50.3	67.1	83.9	42.9	57.3	71.6	33.6	44.8	56.0	66.2	88.3	31.6	42.1	52.6	24.9	33.1	41.4
30"	126"	130.0	130.0	130.0	115.9	130.0	130.0	90.7	121.0	130.0	130.0	130.0	85.2	113.6	130.0	67.1	89.4	111.8
36"		113.1	130.0	130.0	96.6	128.8	130.0	75.6	100.8	126.0	130.0	130.0	71.0	94.6	118.3	55.9	74.5	93.1
42"		97.0	129.3	130.0	82.8	110.4	130.0	64.8	86.4	108.0	127.7	130.0	60.8	81.1	101.4	47.9	63.9	79.8
48"		84.9	113.1	130.0	72.4	96.6	120.7	56.7	75.6	94.5	111.7	130.0	53.2	71.0	88.7	41.9	55.9	69.9
54"		75.4	100.6	125.7	64.4	85.8	107.3	50.4	67.2	84.0	99.3	130.0	47.3	63.1	78.9	37.3	49.7	62.1
58"		70.2	93.6	117.0	59.9	79.9	99.9	46.9	62.6	78.2	92.5	123.3	44.1	58.7	73.4	34.7	46.3	57.8
60"		67.9	90.5	113.1	57.9	77.3	96.6	45.4	60.5	75.6	89.4	119.2	42.6	56.8	71.0	33.5	44.7	55.9
66"		61.7	82.3	102.9	52.7	70.2	87.8	41.2	55.0	68.7	81.2	108.3	38.7	51.6	64.5	30.5	40.6	50.8
72"		56.6	75.4	94.3	48.3	64.4	80.5	37.8	50.4	63.0	74.5	99.3	35.5	47.3	59.1	27.9	37.3	46.6
78"		52.2	69.6	87.0	44.6	59.4	74.3	34.9	46.5	58.2	68.7	91.7	32.8	43.7	54.6	25.8	34.4	43.0
84"		48.5	64.7	80.8	41.4	55.2	69.0	32.4	43.2	54.0	63.8	85.1	30.4	40.6	50.7	24.0	31.9	39.9
85"		47.9	63.9	79.9	40.9	54.5	68.2	32.0	42.7	53.4	63.1	84.1	30.1	40.1	50.1	23.7	31.6	39.4

CHART CONTINUES NEXT SHEET

Sealed: 8/29/2024

FL #27598



af
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description

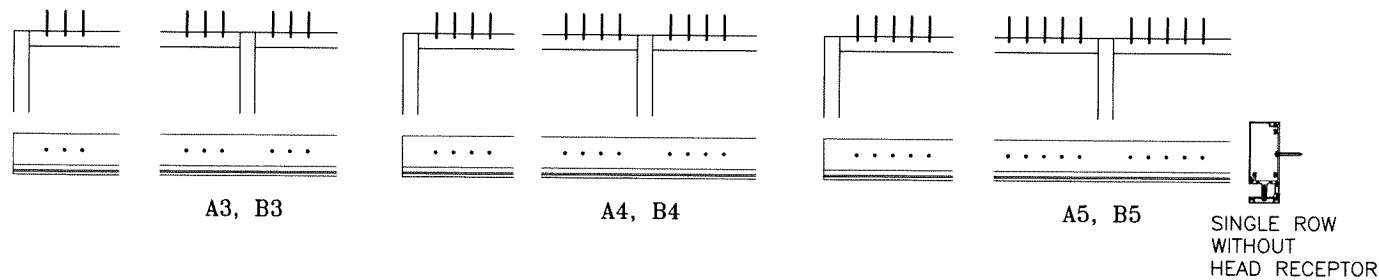
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scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-33F
sheet 9.1 of 23

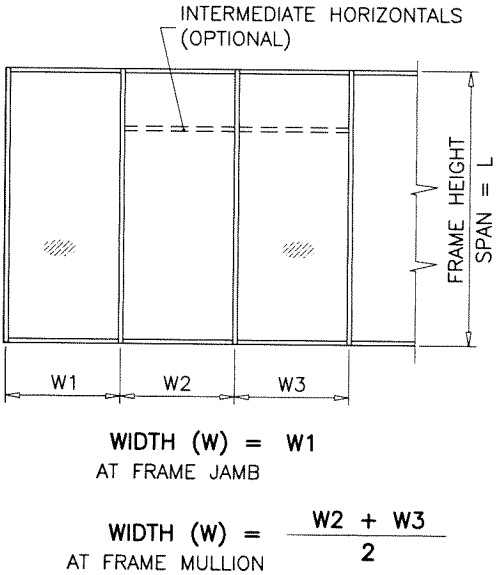
COMP-ANL\18-33F-TG

HEAD/SILL ANCHOR LOAD CAPACITY - PSF (HEAD W/O RECEPTOR) EXT.(+) & INT.(-)																		
NOMINAL DIMS. WIDTH (W) FRAME HEIGHT		ANCHORS TYPE 'A'									ANCHORS TYPE 'B'							
		1/4" SHIM SPACE			3/8" SHIM SPACE			1/2" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE		1/2" SHIM SPACE			
		A3	A4	A5	A3	A4	A5	A3	A4	A5	B3	B4	B3	B4	B5	B3	B4	B5
30"	132"	129.6	130.0	130.0	110.6	130.0	130.0	86.6	115.5	130.0	130.0	130.0	81.3	108.4	130.0	64.0	85.4	106.7
36"		108.0	130.0	130.0	92.2	122.9	130.0	72.2	96.2	120.3	130.0	130.0	67.7	90.3	112.9	53.3	71.1	88.9
42"		92.6	123.4	130.0	79.0	105.4	130.0	61.9	82.5	103.1	121.9	130.0	58.1	77.4	96.8	45.7	61.0	76.2
48"		81.0	108.0	130.0	69.1	92.2	115.2	54.1	72.2	90.2	106.6	130.0	50.8	67.7	84.7	40.0	53.3	66.7
54"		72.0	96.0	120.0	61.5	81.9	102.4	48.1	64.2	80.2	94.8	126.4	45.2	60.2	75.3	35.6	47.4	59.3
58"		67.0	89.4	111.7	57.2	76.3	95.4	44.8	59.7	74.7	88.3	117.7	42.0	56.1	70.1	33.1	44.1	55.2
60"		64.8	86.4	108.0	55.3	73.7	92.2	43.3	57.7	72.2	85.3	113.7	40.6	54.2	67.7	32.0	42.7	53.3
66"		58.9	78.5	98.2	50.3	67.0	83.8	39.4	52.5	65.6	77.6	103.4	37.0	49.3	61.6	29.1	38.8	48.5
72"		54.0	72.0	90.0	46.1	61.5	76.8	36.1	48.1	60.2	71.1	94.8	33.9	45.2	56.5	26.7	35.6	44.5
78"		49.8	66.5	83.1	42.5	56.7	70.9	33.3	44.4	55.5	65.6	87.5	31.3	41.7	52.1	24.6	32.8	41.0
84"	135"	46.3	61.7	77.1	39.5	52.7	65.8	30.9	41.2	51.6	60.9	81.2	29.0	38.7	48.4	22.9	30.5	38.1
85"		45.7	61.0	76.2	39.0	52.1	65.1	30.6	40.8	51.0	60.2	80.3	28.7	38.3	47.8	22.6	30.1	37.7
30"		126.7	130.0	130.0	108.2	130.0	130.0	84.7	112.9	130.0	130.0	130.0	79.5	106.0	130.0	62.6	83.5	104.3
36"		105.6	130.0	130.0	90.1	120.2	130.0	70.6	94.1	117.6	130.0	130.0	66.2	88.3	110.4	52.2	69.5	86.9
42"		90.5	120.7	130.0	77.3	103.0	128.8	60.5	80.7	100.8	119.2	130.0	56.8	75.7	94.6	44.7	59.6	74.5
48"		79.2	105.6	130.0	67.6	90.1	112.7	52.9	70.6	88.2	104.3	130.0	49.7	66.2	82.8	39.1	52.2	65.2
54"		70.4	93.9	117.3	60.1	80.1	100.1	47.1	62.7	78.4	92.7	123.6	44.2	58.9	73.6	34.8	46.4	58.0
58"		65.5	87.4	109.2	55.9	74.6	93.2	43.8	58.4	73.0	86.3	115.1	41.1	54.8	68.5	32.4	43.2	54.0
60"		63.4	84.5	105.6	54.1	72.1	90.1	42.3	56.5	70.6	83.4	111.2	39.7	53.0	66.2	31.3	41.7	52.2
66"		57.6	76.8	96.0	49.2	65.6	81.9	38.5	51.3	64.2	75.8	101.1	36.1	48.2	60.2	28.5	37.9	47.4
72"	138"	52.8	70.4	88.0	45.1	60.1	75.1	35.3	47.1	58.8	69.5	92.7	33.1	44.2	55.2	26.1	34.8	43.5
78"		48.7	65.0	81.2	41.6	55.5	69.3	32.6	43.4	54.3	64.2	85.6	30.6	40.8	51.0	24.1	32.1	40.1
84"		45.3	60.3	75.4	38.6	51.5	64.4	30.2	40.3	50.4	59.6	79.4	28.4	37.9	47.3	22.4	29.8	37.3
85"		44.7	59.6	74.5	38.2	50.9	63.6	29.9	39.9	49.8	58.9	78.5	28.1	37.4	46.8	22.1	29.5	36.8
30"		124.0	130.0	130.0	105.8	130.0	130.0	82.9	110.5	130.0	130.0	130.0	77.8	103.7	129.6	61.2	81.6	102.1
36"		103.3	130.0	130.0	88.2	117.6	130.0	69.0	92.1	115.1	130.0	130.0	64.8	86.4	108.0	51.0	68.0	85.0
42"		88.5	118.1	130.0	75.6	100.8	126.0	59.2	78.9	98.6	116.6	130.0	55.5	74.1	92.6	43.7	58.3	72.9
48"		77.5	103.3	129.1	66.1	88.2	110.2	51.8	69.0	86.3	102.0	130.0	48.6	64.8	81.0	38.3	51.0	63.8
54"		60.0	60.0	60.0	58.8	60.0	60.0	46.0	60.0	60.0	60.0	60.0	43.2	57.6	60.0	34.0	45.4	56.7
58"		60.0	60.0	60.0	54.7	60.0	60.0	42.8	57.1	60.0	60.0	60.0	40.2	53.6	60.0	31.7	42.2	52.8
60"	144"	60.0	60.0	60.0	52.9	60.0	60.0	41.4	55.2	60.0	60.0	60.0	38.9	51.8	60.0	30.6	40.8	51.0
66"		56.3	60.0	60.0	48.1	60.0	60.0	37.6	50.2	60.0	60.0	60.0	35.3	47.1	58.9	27.8	37.1	46.4
72"		51.7	60.0	60.0	44.1	58.8	60.0	34.5	46.0	57.5	60.0	60.0	32.4	43.2	54.0	25.5	34.0	42.5
30"		118.8	130.0	130.0	101.4	130.0	130.0	79.4	105.9	130.0	130.0	130.0	74.5	99.4	124.2	58.7	78.2	97.8
36"		99.0	130.0	130.0	84.5	112.7	130.0	66.2	88.2	110.3	130.0	130.0	62.1	82.8	103.5	48.9	65.2	81.5
42"		84.9	113.1	130.0	72.4	96.6	120.7	56.7	75.6	94.5	111.7	130.0	53.2	71.0	88.7	41.9	55.9	69.9
48"		74.3	99.0	123.8	63.4	84.5	105.6	49.6	66.2	82.7	97.8	130.0	46.6	62.1	77.6	36.7	48.9	61.1
54"		60.0	60.0	60.0	56.3	60.0	60.0	44.1	58.8	60.0	60.0	60.0	41.4	55.2	60.0	32.6	43.5	54.3
58"		60.0	60.0	60.0	52.4	60.0	60.0	41.0	54.7	60.0	60.0	60.0	38.5	51.4	60.0	30.4	40.5	50.6
60"		59.4	60.0	60.0	50.7	60.0	60.0	39.7	52.9	60.0	60.0	60.0	37.3	49.7	60.0	29.3	39.1	48.9
66"	144"	54.0	60.0	60.0	46.1	60.0	60.0	36.1	48.1	60.0	60.0	60.0	33.9	45.2	56.5	26.7	35.6	44.5
72"		49.5	60.0	60.0	42.3	56.3	60.0	33.1	44.1	55.1	60.0	60.0	31.1	41.4	51.8	24.5	32.6	40.8

CHART ABOVE SHOWS FRAME HEIGHTS FOR CURTAIN WALL WITHOUT HEAD RECEPTOR.
FOR CURTAIN WALL WITH HEAD RECEPTORS OVERALL HEIGHT = FRAME HT. FROM CHART + 2'-1/4".



- ANCHORS TYPES:**
- A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
 - B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
 - A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
 - B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
 - A5 = (5) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
 - B5 = (5) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

ANCHOR EDGE DISTANCES
INTO CONCRETE = 2-1/2" MIN.

ANCHOR CL TO CL DISTANCE
INTO CONCRETE = 3" MIN.

TYPE 'B'— 1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE AT HEAD OR SILL f'c = 3000 PSI MIN.

Sealed: 8/29/2024



FL #27598

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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TECNOGLASS, LLC
3550 N.W. 49 STREET
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revisions:
no. date by description

date: 06-27-18
scale: -
dr. by: TARIO
chk. by:

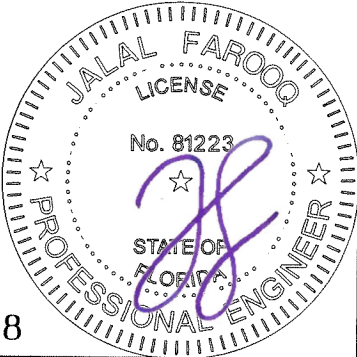
drawing no.
18-33F
sheet 9.2 of 23

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (HEAD W/O RECEPTOR)																		
EXT.(+) & INT.(–)																		
NOMINAL DIMS.		ANCHORS TYPE 'AA'								ANCHORS TYPE 'BB'								
		1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE			
WIDTH (W)	FRAME HEIGHT	AA3	AA4	AA3	AA4	AA5	AA3	AA4	AA5	BB3	BB4	BB3	BB4	BB5	BB3	BB4	BB5	
30"	84"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0	127.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	126.9	130.0	130.0	130.0
54"		130.0	130.0	130.0	130.0	130.0	112.9	130.0	130.0	130.0	130.0	130.0	130.0	130.0	112.8	130.0	130.0	130.0
58"		130.0	130.0	130.0	130.0	130.0	105.1	130.0	130.0	130.0	130.0	130.0	130.0	130.0	105.0	130.0	130.0	130.0
60"		130.0	130.0	129.6	130.0	130.0	101.6	130.0	130.0	130.0	130.0	127.4	130.0	130.0	101.5	130.0	130.0	130.0
66"		130.0	130.0	117.8	130.0	130.0	92.4	123.2	130.0	130.0	130.0	115.8	130.0	130.0	92.3	123.0	130.0	130.0
72"		130.0	130.0	108.0	130.0	130.0	84.7	112.9	130.0	130.0	130.0	106.2	130.0	130.0	84.6	112.8	130.0	130.0
78"		124.2	130.0	99.7	130.0	130.0	78.2	104.2	130.0	130.0	130.0	98.0	130.0	130.0	78.1	104.1	130.0	130.0
84"		115.3	130.0	92.6	123.4	130.0	72.6	96.8	121.0	122.2	130.0	91.0	121.3	130.0	72.5	96.7	120.8	130.0
85"		114.0	130.0	91.5	122.0	130.0	71.7	95.6	119.6	120.8	130.0	89.9	119.9	130.0	71.6	95.5	119.4	130.0
30"	90"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0	118.6	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
54"		130.0	130.0	130.0	130.0	130.0	105.4	130.0	130.0	130.0	130.0	130.0	130.0	130.0	118.4	130.0	130.0	130.0
58"		130.0	130.0	125.1	130.0	130.0	98.1	130.0	130.0	130.0	130.0	123.0	130.0	130.0	105.2	130.0	130.0	130.0
60"		130.0	130.0	121.0	130.0	130.0	94.8	126.5	130.0	130.0	130.0	118.9	130.0	130.0	98.0	126.3	130.0	130.0
66"		130.0	130.0	110.0	130.0	130.0	86.2	115.0	130.0	130.0	130.0	108.1	130.0	130.0	94.7	114.8	130.0	130.0
72"		125.6	130.0	100.8	130.0	130.0	79.0	105.4	130.0	130.0	130.0	99.1	130.0	130.0	86.1	105.2	130.0	130.0
78"		115.9	130.0	93.0	124.1	130.0	73.0	97.3	121.6	122.8	130.0	91.5	122.0	130.0	72.9	97.1	121.4	130.0
84"		107.7	130.0	86.4	115.2	130.0	67.7	90.3	112.9	114.1	130.0	84.9	113.2	130.0	67.7	90.2	112.8	130.0
85"		106.4	130.0	85.4	113.8	130.0	67.0	89.3	111.6	112.7	130.0	83.9	111.9	130.0	66.9	89.1	111.4	130.0
30"	96"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	127.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	126.9	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0	111.2	130.0	130.0	130.0	130.0	130.0	130.0	130.0	111.0	130.0	130.0	130.0
54"		130.0	130.0	126.0	130.0	130.0	98.8	130.0	130.0	130.0	130.0	123.9	130.0	130.0	98.7	130.0	130.0	130.0
58"		130.0	130.0	117.3	130.0	130.0	92.0	122.6	130.0	130.0	130.0	115.3	130.0	130.0	91.9	122.5	130.0	130.0
60"		130.0	130.0	113.4	130.0	130.0	88.9	118.6	130.0	130.0	130.0	111.5	130.0	130.0	88.8	118.4	130.0	130.0
66"		128.5	130.0	103.1	130.0	130.0	80.8	107.8	130.0	130.0	130.0	101.3	130.0	130.0	80.7	107.6	130.0	130.0
72"		117.8	130.0	94.5	126.0	130.0	74.1	98.8	123.5	124.8	130.0	92.9	123.9	130.0	74.0	98.7	123.3	130.0
78"		108.7	130.0	87.2	116.3	130.0	68.4	91.2	114.0	115.2	130.0	85.8	114.3	130.0	68.3	91.1	113.8	130.0
84"		100.9	130.0	81.0	108.0	130.0	63.5	84.7	105.9	106.9	130.0	79.6	106.2	130.0	63.4	84.6	105.7	130.0
85"		99.7	130.0	80.0	106.7	130.0	62.8	83.7	104.6	105.7	130.0	78.7	104.9	130.0	62.7	83.6	104.5	130.0
30"	102"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	119.6	130.0	130.0	130.0	130.0	130.0	130.0	130.0	119.4	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0	104.6	130.0	130.0	130.0	130.0	130.0	130.0	130.0	104.5	130.0	130.0	130.0
54"		130.0	130.0	118.6	130.0	130.0	93.0	124.0	130.0	130.0	130.0	116.6	130.0	130.0	92.9	123.8	130.0	130.0
58"		130.0	130.0	110.4	130.0	130.0	86.6	115.4	130.0	130.0	130.0	108.5	130.0	130.0	86.5	115.3	130.0	130.0
60"		130.0	130.0	106.7	130.0	130.0	83.7	111.6	130.0	130.0	130.0	104.9	130.0	130.0	83.6	111.4	130.0	130.0
66"		120.9	130.0	97.0	129.4	130.0	76.1	101.4	126.8	128.1	130.0	95.4	127.2	130.0	76.0	101.3	126.6	130.0
72"		110.8	130.0	88.9	118.6	130.0	69.7	93.0	116.2	117.4	130.0	87.4	116.6	130.0	69.6	92.9	116.1	130.0
78"		102.3	130.0	82.1	109.5	130.0	64.4	85.8	107.3	108.4	130.0	80.7	107.6	130.0	64.3	85.7	107.1	130.0
84"		95.0	126.7	76.2	101.6	127.1	59.8	79.7	99.6	100.6	130.0	74.9	99.9	124.9	59.7	79.6	99.5	130.0
85"		93.9	125.2	75.3	100.5	125.6	59.1	78.8	98.5	99.5	130.0	74.1	98.8	123.4	59.0	78.7	98.3	130.0

CHART CONTINUES NEXT SHEET

Sealed: 8/29/2024

FL #27598





AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

date: 06-27-18

scale: -

dr. by: TARIQ

chk. by:

drawing no.

18-33F

sheet 10 of 23

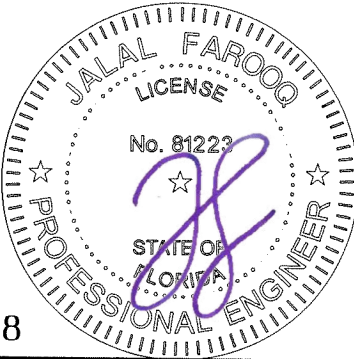
COMP-ANL\18-33F-TG

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (HEAD W/O RECEPTOR) EXT.(+) & INT.(-)																	
NOMINAL DIMS.		ANCHORS TYPE 'AA'								ANCHORS TYPE 'BB'							
		1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE		
WIDTH (W)	FRAME HEIGHT	AA3	AA4	AA3	AA4	AA5	AA3	AA4	AA5	BB3	BB4	BB3	BB4	BB5	BB3	BB4	BB5
30"	108"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	112.9	130.0	130.0	130.0	130.0	130.0	130.0	130.0	112.8	130.0	130.0
48"		130.0	130.0	126.0	130.0	130.0	98.8	130.0	130.0	130.0	130.0	123.9	130.0	130.0	98.7	130.0	130.0
54"		130.0	130.0	112.0	130.0	130.0	87.8	117.1	130.0	130.0	130.0	110.1	130.0	130.0	87.7	116.9	130.0
58"		129.9	130.0	104.3	130.0	130.0	81.8	109.0	130.0	130.0	130.0	102.5	130.0	130.0	81.7	108.9	130.0
60"		125.6	130.0	100.8	130.0	130.0	79.0	105.4	130.0	130.0	130.0	99.1	130.0	130.0	78.9	105.2	130.0
66"		114.2	130.0	91.6	122.2	130.0	71.9	95.8	119.8	121.0	130.0	90.1	120.1	130.0	71.8	95.7	119.6
72"		104.7	130.0	84.0	112.0	130.0	65.9	87.8	109.8	110.9	130.0	82.6	110.1	130.0	65.8	87.7	109.6
78"		96.6	128.8	77.5	103.4	129.2	60.8	81.1	101.3	102.4	130.0	76.2	101.6	127.0	60.7	81.0	101.2
84"		89.7	119.6	72.0	96.0	120.0	56.5	75.3	94.1	95.0	126.7	70.8	94.4	118.0	56.4	75.2	94.0
85"		88.7	118.2	71.2	94.9	118.6	55.8	74.4	93.0	93.9	125.2	69.9	93.3	116.6	55.7	74.3	92.9
30"	114"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	124.8	130.0	130.0	130.0	130.0	130.0	130.0	130.0	124.6	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	107.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	106.8	130.0	130.0
48"		130.0	130.0	119.4	130.0	130.0	93.6	124.8	130.0	130.0	130.0	117.3	130.0	130.0	93.5	124.6	130.0
54"		130.0	130.0	106.1	130.0	130.0	83.2	110.9	130.0	130.0	130.0	104.3	130.0	130.0	83.1	110.8	130.0
58"		123.1	130.0	98.8	130.0	130.0	77.5	103.3	129.1	130.0	130.0	97.1	129.5	130.0	77.4	103.1	128.9
60"		119.0	130.0	95.5	127.3	130.0	74.9	99.8	124.8	126.1	130.0	93.9	125.2	130.0	74.8	99.7	124.6
66"		108.2	130.0	86.8	115.8	130.0	68.1	90.8	113.5	114.6	130.0	85.3	113.8	130.0	68.0	90.6	113.3
72"		99.2	130.0	79.6	106.1	130.0	62.4	83.2	104.0	105.1	130.0	78.2	104.3	130.0	62.3	83.1	103.9
78"		91.5	122.0	73.5	97.9	122.4	57.6	76.8	96.0	97.0	129.3	72.2	96.3	120.4	57.5	76.7	95.9
84"		85.0	113.3	68.2	90.9	113.7	53.5	71.3	89.1	90.0	120.1	67.1	89.4	111.8	53.4	71.2	89.0
85"		84.0	112.0	67.4	89.9	112.3	52.9	70.5	88.1	89.0	118.6	66.3	88.4	110.4	52.8	70.4	88.0
30"	120"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	118.6	130.0	130.0	130.0	130.0	130.0	130.0	130.0	118.4	130.0	130.0
42"		130.0	130.0	129.6	130.0	130.0	101.6	130.0	130.0	130.0	130.0	127.4	130.0	130.0	101.5	130.0	130.0
48"		130.0	130.0	113.4	130.0	130.0	88.9	118.6	130.0	130.0	130.0	111.5	130.0	130.0	88.8	118.4	130.0
54"		125.6	130.0	100.8	130.0	130.0	79.0	105.4	130.0	130.0	130.0	99.1	130.0	130.0	78.9	105.2	130.0
58"		116.9	130.0	93.8	125.1	130.0	73.6	98.1	122.6	123.9	130.0	92.3	123.0	130.0	73.5	98.0	122.5
60"		113.0	130.0	90.7	121.0	130.0	71.1	94.8	118.6	119.8	130.0	89.2	118.9	130.0	71.0	94.7	118.4
66"		102.8	130.0	82.5	110.0	130.0	64.7	86.2	107.8	108.9	130.0	81.1	108.1	130.0	64.6	86.1	107.6
72"		94.2	125.6	75.6	100.8	126.0	59.3	79.0	98.8	99.8	130.0	74.3	99.1	123.9	59.2	78.9	98.7
78"		87.0	115.9	69.8	93.0	116.3	54.7	73.0	91.2	92.1	122.8	68.6	91.5	114.3	54.6	72.9	91.1
84"		80.7	107.7	64.8	86.4	108.0	50.8	67.7	84.7	85.5	114.1	63.7	84.9	106.2	50.7	67.7	84.6
85"		79.8	106.4	64.0	85.4	106.7	50.2	67.0	83.7	84.5	112.7	63.0	83.9	104.9	50.1	66.9	83.6
30"	126"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	112.9	130.0	130.0	130.0	130.0	130.0	130.0	130.0	112.8	130.0	130.0
42"		130.0	130.0	123.4	130.0	130.0	96.8	129.0	130.0	130.0	130.0	121.3	130.0	130.0	96.7	128.9	130.0
48"		130.0	130.0	108.0	130.0	130.0	84.7	112.9	130.0	130.0	130.0	106.2	130.0	130.0	84.6	112.8	130.0
54"		119.6	130.0	96.0	128.0	130.0	75.3	100.4	125.5	126.7	130.0	94.4	125.8	130.0	75.2	100.2	125.3
58"		111.4	130.0	89.4	119.2	130.0	70.1	93.4	116.8	118.0	130.0	87.9	117.2	130.0	70.0	93.3	116.7
60"		107.7	130.0	86.4	115.2	130.0	67.7	90.3	112.9	114.1	130.0	84.9	113.2	130.0	67.7	90.2	112.8
66"		97.9	130.0	78.5	104.7	130.0	61.6	82.1	102.6	103.7	130.0	77.2	103.0	128.7	61.5	82.0	102.5
72"		89.7	119.6	72.0	96.0	120.0	56.5	75.3	94.1	95.0	126.7	70.8	94.4	118.0	56.4	75.2	94.0
78"		82.8	110.4	66.5	88.6	110.8	52.1	69.5	86.9	87.7	117.0	65.3	87.1	108.9	52.0	69.4	86.7
84"		76.9	102.5	61.7	82.3	102.9	48.4	64.5	80.7	81.5	108.6	60.7	80.9	101.1	48.3	64.4	80.5
85"		76.0	101.3	61.0	81.3	101.6	47.8	63.8	79.7	80.5	107.3	60.0	79.9	99.9	47.8	63.7	79.6

CHART CONTINUES NEXT SHEET

Sealed: 8/29/2024

FL #27598



af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description

date: 06-27-18
scale: -
dr. by: TARIQ
chk. by:

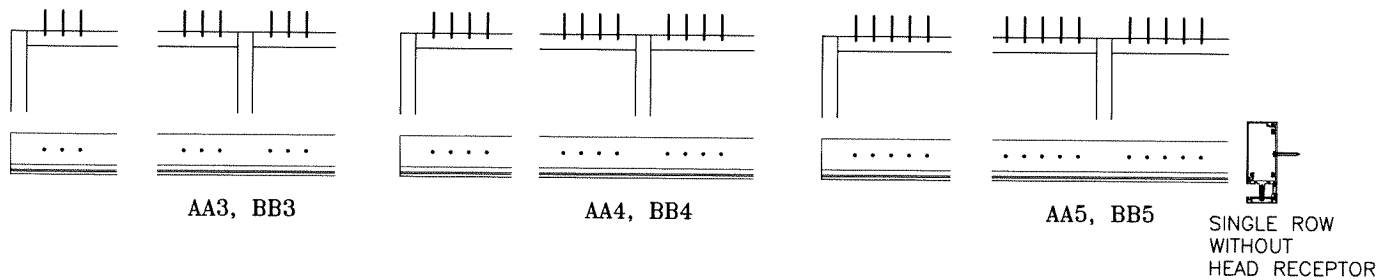
drawing no.
18-33F
sheet 10.1 of 23

COMP-ANL\18-33F-TG

HEAD/SILL ANCHOR LOAD CAPACITY - PSF (HEAD W/O RECEPTOR) EXT.(+) & INT.(–)																		
NOMINAL DIMS.		ANCHORS TYPE 'AA'								ANCHORS TYPE 'BB'								
		1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE			
WIDTH (W)	FRAME HEIGHT	AA3	AA4	AA3	AA4	AA5	AA3	AA4	AA5	BB3	BB4	BB3	BB4	BB5	BB3	BB4	BB5	
30"	132"	130.0	130.0	130.0	130.0	130.0	129.3	130.0	130.0	130.0	130.0	130.0	130.0	130.0	129.2	130.0	130.0	
36"		130.0	130.0	130.0	130.0	130.0	107.8	130.0	130.0	130.0	130.0	130.0	130.0	130.0	107.6	130.0	130.0	
42"		130.0	130.0	117.8	130.0	130.0	92.4	123.2	130.0	130.0	130.0	130.0	115.8	130.0	130.0	92.3	123.0	130.0
48"		128.5	130.0	103.1	130.0	130.0	80.8	107.8	130.0	130.0	130.0	130.0	101.3	130.0	130.0	80.7	107.6	130.0
54"		114.2	130.0	91.6	122.2	130.0	71.9	95.8	119.8	121.0	130.0	90.1	120.1	130.0	71.8	95.7	119.6	
58"		106.3	130.0	85.3	113.8	130.0	66.9	89.2	111.5	112.6	130.0	83.9	111.8	130.0	66.8	89.1	111.3	
60"		102.8	130.0	82.5	110.0	130.0	64.7	86.2	107.8	108.9	130.0	81.1	108.1	130.0	64.6	86.1	107.6	
66"		93.4	124.6	75.0	100.0	125.0	58.8	78.4	98.0	99.0	130.0	73.7	98.3	122.8	58.7	78.3	97.9	
72"		85.6	114.2	68.7	91.6	114.5	53.9	71.9	89.8	90.7	121.0	67.6	90.1	112.6	53.8	71.8	89.7	
78"		79.0	105.4	63.4	84.6	105.7	49.7	66.3	82.9	83.7	111.7	62.4	83.2	103.9	49.7	66.2	82.8	
84"		73.4	97.9	58.9	78.5	98.2	46.2	61.6	77.0	77.8	103.7	57.9	77.2	96.5	46.1	61.5	76.9	
85"	72.5	96.7	58.2	77.6	97.0	45.6	60.9	76.1	76.9	102.5	57.2	76.3	95.4	45.6	60.8	76.0		
30"	135"	130.0	130.0	130.0	130.0	130.0	126.5	130.0	130.0	130.0	130.0	130.0	130.0	130.0	126.3	130.0	130.0	
36"		130.0	130.0	130.0	130.0	130.0	105.4	130.0	130.0	130.0	130.0	130.0	130.0	130.0	105.2	130.0	130.0	
42"		130.0	130.0	115.2	130.0	130.0	90.3	120.4	130.0	130.0	130.0	113.2	130.0	130.0	90.2	120.3	130.0	
48"		125.6	130.0	100.8	130.0	130.0	79.0	105.4	130.0	130.0	130.0	99.1	130.0	130.0	78.9	105.2	130.0	
54"		111.6	130.0	89.6	119.5	130.0	70.3	93.7	117.1	118.3	130.0	88.1	117.4	130.0	70.2	93.6	116.9	
58"		103.9	130.0	83.4	111.2	130.0	65.4	87.2	109.0	110.1	130.0	82.0	109.3	130.0	65.3	87.1	108.9	
60"		100.5	130.0	80.6	107.5	130.0	63.2	84.3	105.4	106.5	130.0	79.3	105.7	130.0	63.1	84.2	105.2	
66"		91.3	121.8	73.3	97.7	122.2	57.5	76.6	95.8	96.8	129.0	72.1	96.1	130.0	57.4	76.5	95.7	
72"		83.7	111.6	67.2	89.6	112.0	52.7	70.3	87.8	88.7	118.3	66.1	88.1	120.1	52.6	70.2	87.7	
78"		77.3	103.1	62.0	82.7	103.4	48.6	64.9	81.1	81.9	109.2	61.0	81.3	101.6	48.6	64.8	81.0	
84"		71.8	95.7	57.6	76.8	96.0	45.2	60.2	75.3	76.0	101.4	56.6	75.5	94.4	45.1	60.1	75.2	
85"	70.9	94.6	56.9	75.9	94.9	44.6	59.5	74.4	75.1	100.2	56.0	74.6	93.3	44.6	59.4	74.3		
30"	138"	130.0	130.0	130.0	130.0	130.0	123.7	130.0	130.0	130.0	130.0	130.0	130.0	130.0	123.5	130.0	130.0	
36"		130.0	130.0	130.0	130.0	130.0	103.1	130.0	130.0	130.0	130.0	129.3	130.0	130.0	103.0	130.0	130.0	
42"		130.0	130.0	112.7	130.0	130.0	88.4	117.8	130.0	130.0	130.0	110.8	130.0	130.0	88.2	117.7	130.0	
48"		122.9	130.0	98.6	130.0	130.0	77.3	103.1	128.9	130.0	130.0	96.9	129.3	130.0	77.2	103.0	128.7	
54"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
58"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
60"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
66"		60.0	60.0	60.0	60.0	60.0	56.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.2	60.0	60.0	
72"		60.0	60.0	60.0	60.0	60.0	51.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	51.5	60.0	60.0	
30"		144"	130.0	130.0	130.0	130.0	130.0	118.6	130.0	130.0	130.0	130.0	130.0	130.0	130.0	118.4	130.0	130.0
36"	130.0		130.0	126.0	130.0	130.0	98.8	130.0	130.0	130.0	130.0	123.9	130.0	130.0	98.7	130.0	130.0	
42"	130.0		130.0	108.0	130.0	130.0	84.7	112.9	130.0	130.0	130.0	106.2	130.0	130.0	84.6	112.8	130.0	
48"	117.8		130.0	94.5	126.0	130.0	74.1	98.8	123.5	124.8	130.0	92.9	123.9	130.0	74.0	98.7	123.3	
54"	60.0		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
58"	60.0		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
60"	60.0		60.0	60.0	60.0	60.0	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.2	60.0	60.0	
66"	60.0		60.0	60.0	60.0	60.0	53.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	53.8	60.0	60.0	
72"	60.0		60.0	60.0	60.0	60.0	49.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.3	60.0	60.0	

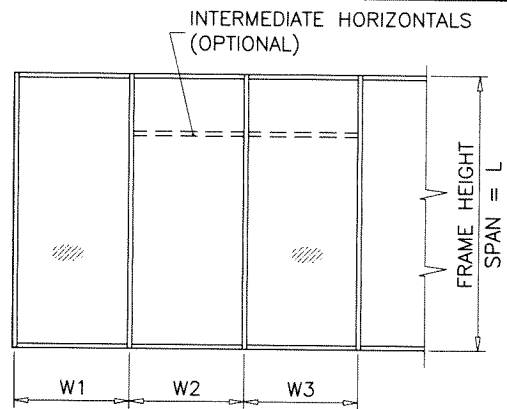
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

CHART ABOVE SHOWS FRAME HEIGHTS FOR CURTAIN WALL WITHOUT HEAD RECEPTOR.
FOR CURTAIN WALL WITH HEAD RECEPTORS OVERALL HEIGHT = FRAME HT. FROM CHART + 2-1/4".



ANCHORS TYPES:

- AA3 = (3) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB AND MULLION
- BB3 = (3) ANCHORS TYPE 'BB' AT EACH SIDE OF JAMB AND MULLION
- AA4 = (4) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB AND MULLION
- BB4 = (4) ANCHORS TYPE 'BB' AT EACH SIDE OF JAMB AND MULLION
- AA5 = (5) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB AND MULLION
- BB5 = (5) ANCHORS TYPE 'BB' AT EACH SIDE OF JAMB AND MULLION



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'AA'- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

ANCHOR EDGE DISTANCES
INTO CONCRETE = 3" MIN.

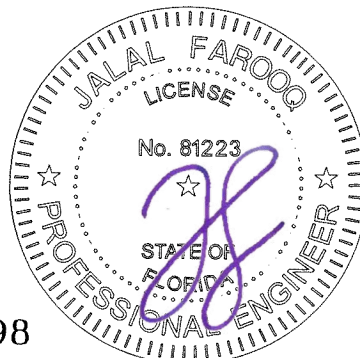
ANCHOR CL TO CL DISTANCE
INTO CONCRETE = 3" MIN.

TYPE 'BB'- 5/16" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE AT HEAD OR SILL f'c = 3000 PSI MIN.

Sealed: 8/29/2024



FL #27598

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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COMP-ANL\18-33F-1G

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

date: 06-27-18 scale: - dr. by: TARIQ ch. by:

drawing no. 18-33F sheet 10.2 of 23

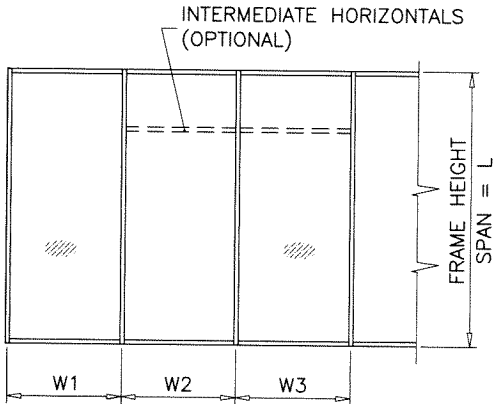
HEAD ANCHOR LOAD CAPACITY - PSF (W/ RECEPTOR) EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHORS TYPE 'AA'			ANCHORS 'BB'
WIDTH (W)	FRAME HEIGHT	AA3	AA4	AA5	BB3
30"	84"	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0
54"		117.0	130.0	130.0	130.0
58"		109.0	130.0	130.0	130.0
60"		105.0	130.0	130.0	130.0
66"		96.0	128.0	130.0	130.0
72"		88.0	117.0	130.0	130.0
78"		81.0	108.0	130.0	130.0
84"		75.0	100.0	125.0	127.0
30"	90"	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0
48"		123.0	130.0	130.0	130.0
54"		109.0	130.0	130.0	130.0
58"		102.0	130.0	130.0	130.0
60"		98.0	130.0	130.0	130.0
66"		89.0	119.0	130.0	130.0
72"		82.0	109.0	130.0	130.0
78"		76.0	101.0	126.0	128.0
84"		60.0	60.0	60.0	60.0
30"	96"	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0
48"		115.0	130.0	130.0	130.0
54"		102.0	130.0	130.0	130.0
58"		95.0	127.0	130.0	130.0
60"		92.0	123.0	130.0	130.0
66"		84.0	112.0	130.0	130.0
72"		77.0	102.0	128.0	130.0
78"		60.0	60.0	60.0	60.0
84"		60.0	60.0	60.0	60.0
30"	102"	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0
42"		124.0	130.0	130.0	130.0
48"		108.0	130.0	130.0	130.0
54"		96.0	128.0	130.0	130.0
58"		90.0	119.0	130.0	130.0
60"		87.0	116.0	130.0	130.0
66"		79.0	105.0	130.0	130.0
72"		60.0	60.0	60.0	60.0
78"		60.0	60.0	60.0	60.0
84"		60.0	60.0	60.0	60.0
30"	108"	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0
42"		117.0	130.0	130.0	130.0
48"		102.0	130.0	130.0	130.0
54"		91.0	121.0	130.0	130.0
58"		85.0	113.0	130.0	130.0
60"		82.0	109.0	130.0	130.0
66"		74.0	99.0	124.0	126.0
72"		60.0	60.0	60.0	60.0
78"		60.0	60.0	60.0	60.0
84"		58.4	60.0	60.0	60.0

HEAD ANCHOR LOAD CAPACITY - PSF (W/ RECEPTOR) EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHORS TYPE 'AA'			ANCHORS 'BB'
WIDTH (W)	FRAME HEIGHT	AA3	AA4	AA5	BB3
30"	114"	130.0	130.0	130.0	130.0
36"		129.0	130.0	130.0	130.0
42"		111.0	130.0	130.0	130.0
48"		97.0	129.0	130.0	130.0
54"		86.0	115.0	130.0	130.0
58"		8.0	107.0	130.0	130.0
60"		78.0	103.0	129.0	130.0
66"		60.0	60.0	60.0	60.0
72"		60.0	60.0	60.0	60.0
78"		59.6	60.0	60.0	60.0
84"		55.4	60.0	60.0	60.0
30"	120"	130.0	130.0	130.0	130.0
36"		123.0	130.0	130.0	130.0
42"		105.0	130.0	130.0	130.0
48"		92.0	123.0	130.0	130.0
54"		82.0	109.0	130.0	130.0
58"		76.0	102.0	127.0	129.0
60"		60.0	60.0	60.0	60.0
66"		60.0	60.0	60.0	60.0
72"		60.0	60.0	60.0	60.0
78"		56.6	60.0	60.0	60.0
84"		52.6	60.0	60.0	60.0
30"	126"	130.0	130.0	130.0	130.0
36"		117.0	130.0	130.0	130.0
42"		100.0	130.0	130.0	130.0
48"		88.0	117.0	130.0	130.0
54"		78.0	104.0	130.0	130.0
60"		60.0	60.0	60.0	60.0
66"		60.0	60.0	60.0	60.0
72"		58.4	60.0	60.0	60.0
78"		53.9	60.0	60.0	60.0
30"	132"	130.0	130.0	130.0	130.0
36"		112.0	130.0	130.0	130.0
42"		96.0	128.0	130.0	130.0
48"		84.0	112.0	130.0	130.0
54"		74.0	99.0	124.0	126.0
58"		60.0	60.0	60.0	60.0
60"		60.0	60.0	60.0	60.0
66"		60.0	60.0	60.0	60.0
72"		55.8	60.0	60.0	60.0
78"		51.5	60.0	60.0	60.0

HEAD ANCHOR LOAD CAPACITY - PSF (W/ RECEPTOR) EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHORS TYPE 'AA'			ANCHORS 'BB'
WIDTH (W)	FRAME HEIGHT	AA3	AA4	AA5	BB3
30"	138"	128.0	130.0	130.0	130.0
36"		107.0	130.0	130.0	130.0
42"		91.0	122.0	130.0	130.0
48"		80.0	107.0	130.0	130.0
54"		60.0	60.0	60.0	60.0
58"		60.0	60.0	60.0	60.0
60"		60.0	60.0	60.0	60.0
66"		58.2	60.0	60.0	60.0
72"		53.4	60.0	60.0	60.0
30"	144"	123.0	130.0	130.0	130.0
36"		102.0	130.0	130.0	130.0
42"		88.0	117.0	130.0	130.0
48"		77.0	102.0	128.0	130.0
54"		60.0	60.0	60.0	60.0
58"		60.0	60.0	60.0	60.0
60"		60.0	60.0	60.0	60.0
66"		55.8	60.0	60.0	60.0
72"		51.1	60.0	60.0	60.0

CHART ABOVE SHOWS FRAME HEIGHTS FOR CURTAIN WALL WITHOUT HEAD RECEPTOR.
FOR CURTAIN WALL WITH HEAD RECEPTORS OVERALL HEIGHT = FRAME HT. FROM CHART + 2-1/4".

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'AA' - 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 3" MIN.

ANCHOR CL TO CL DISTANCE

INTO CONCRETE = 3" MIN.

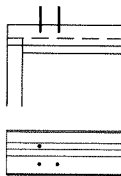
TYPE 'BB' - 5/16" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

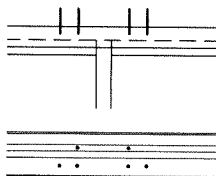
ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" MIN.

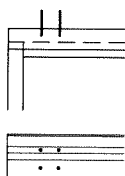
CONCRETE AT HEAD OR SILL f'c = 3000 PSI MIN.



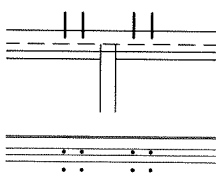
AA3, BB3



AA4



AA5



DOUBLE ROW
WITH HEAD RECEPTOR

ANCHORS TYPES:

- AA3 = (3) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB AND MULLION
BB3 = (3) ANCHORS TYPE 'BB' AT EACH SIDE OF JAMB AND MULLION
AA4 = (4) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB AND MULLION
AA5 = (5) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB AND MULLION

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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

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no. date by description

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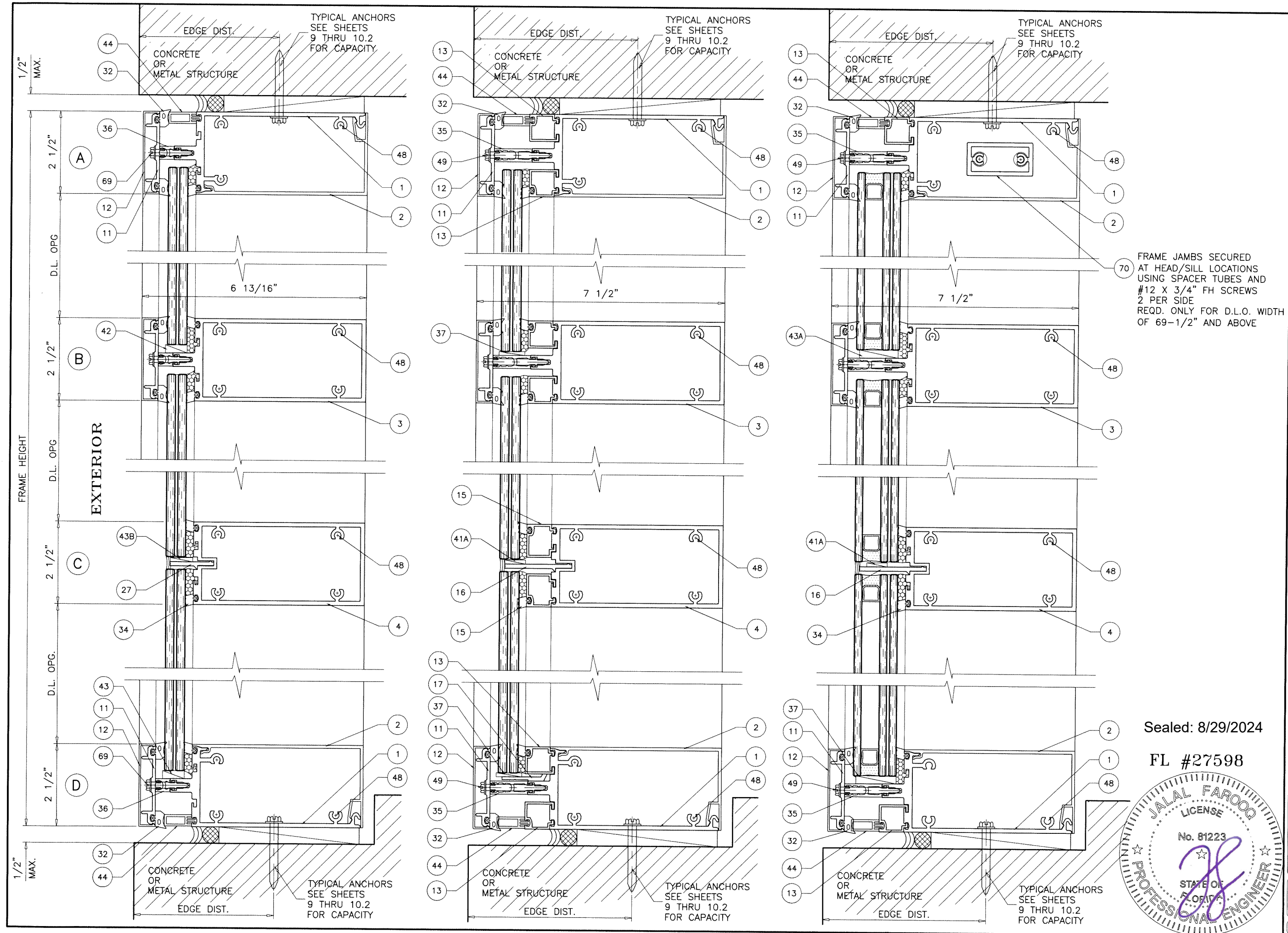
dr. by: TARIQ

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70
FRAME JAMBS SECURED
AT HEAD/SILL LOCATIONS
USING SPACER TUBES AND
#12 X 3/4" FH SCREWS
2 PER SIDE
REQD. ONLY FOR D.L.O. WIDTH
OF 69-1/2" AND ABOVE

Sealed: 8/29/2024
FL #27598

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

af c

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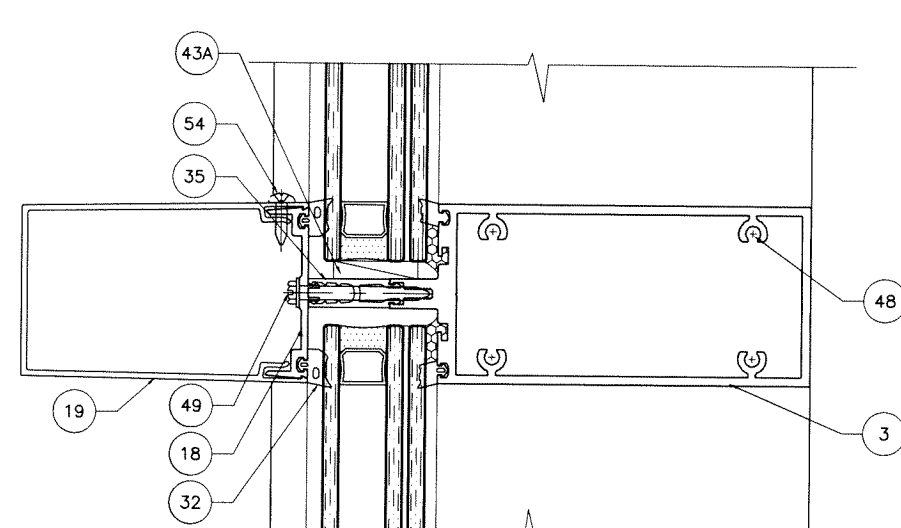
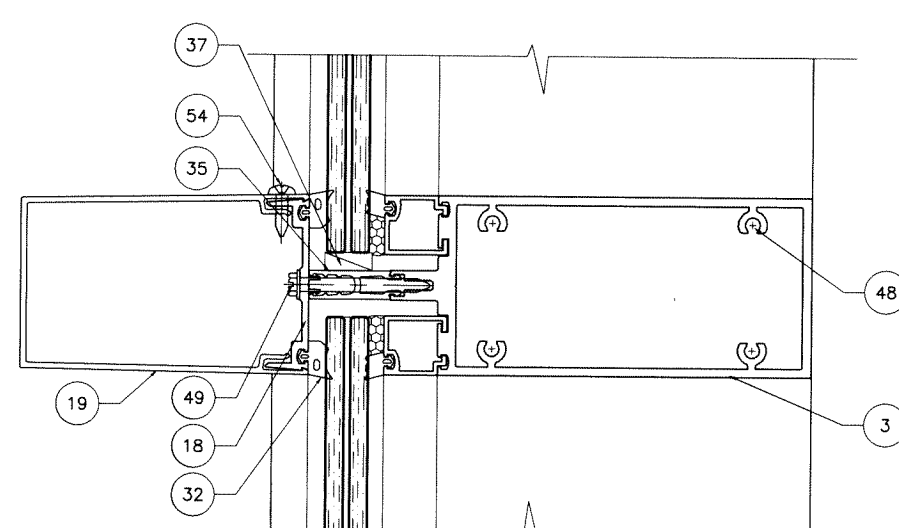
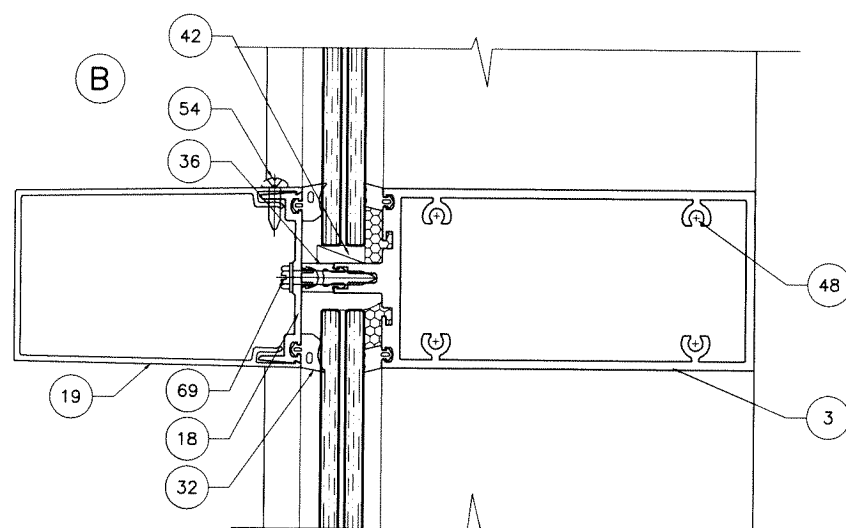
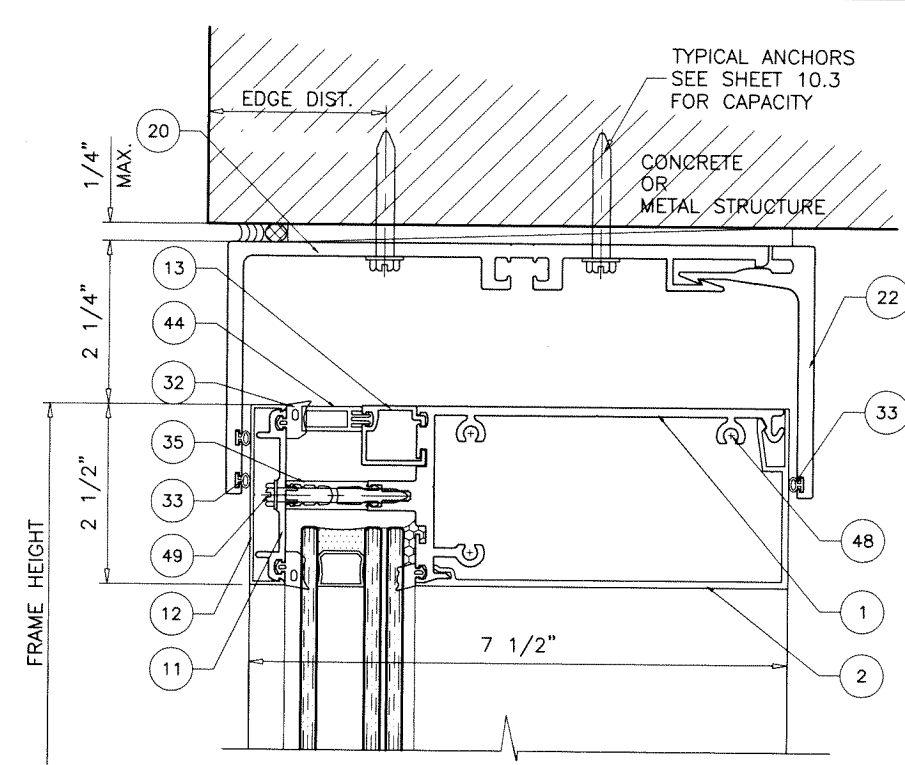
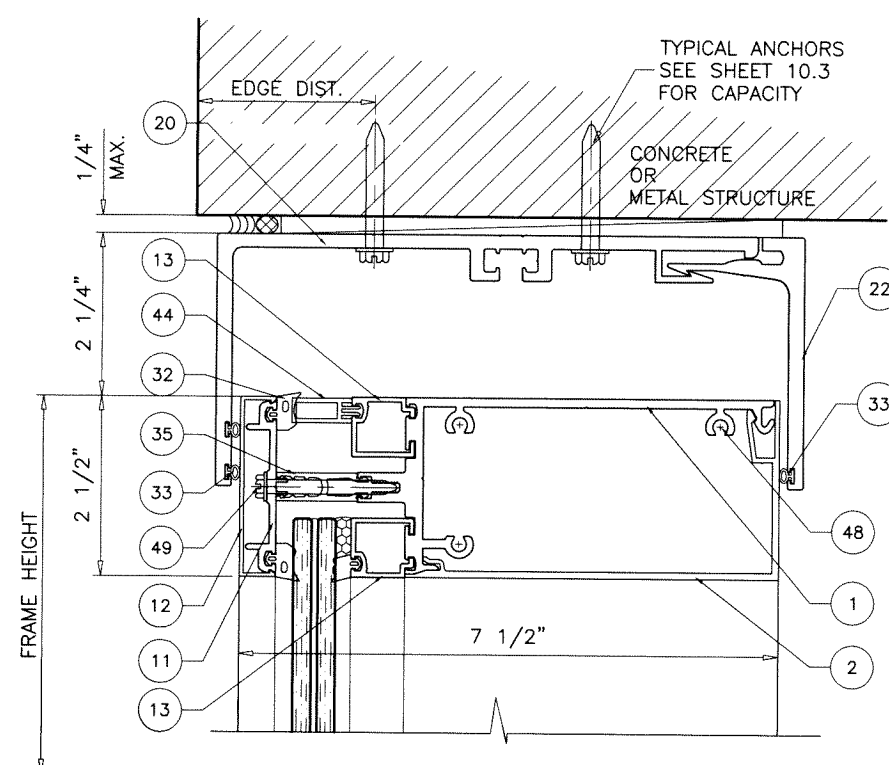
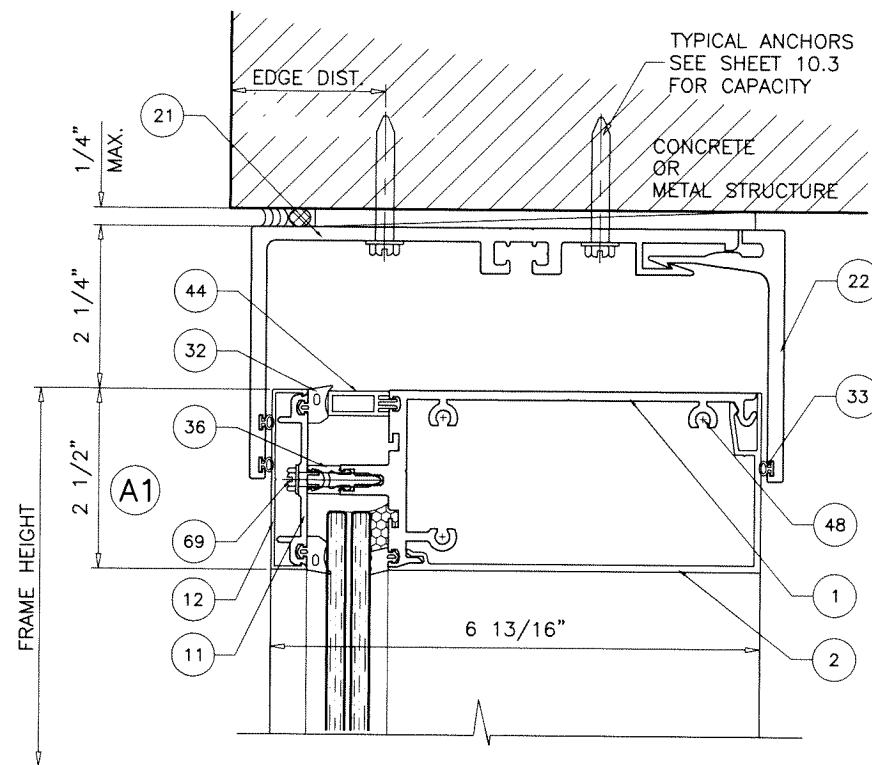
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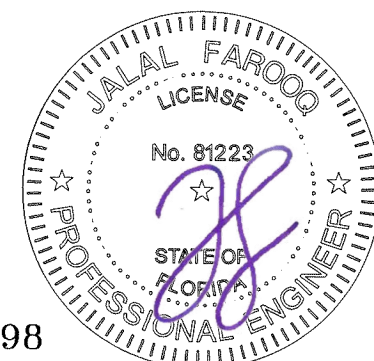
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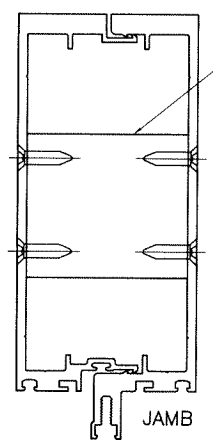
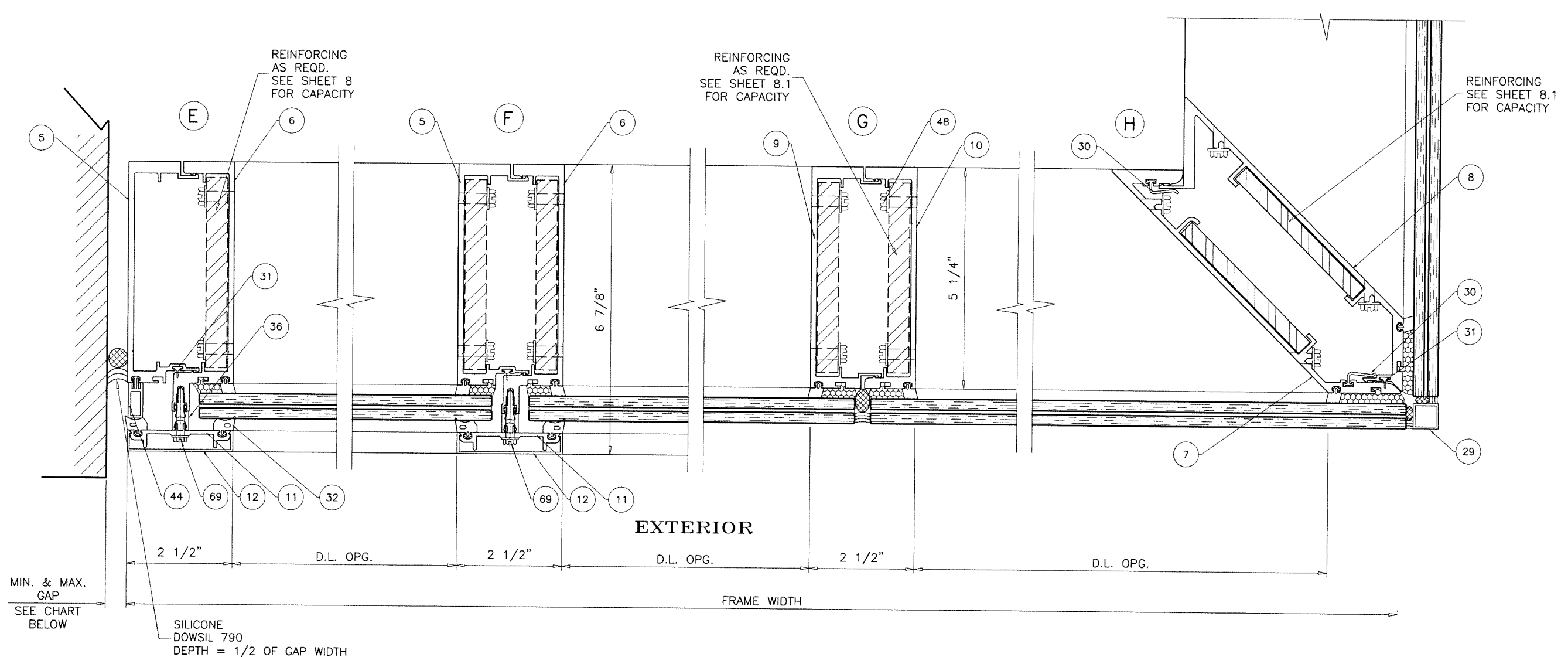


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[illegible]



MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
96"	5/16"	3/4"
120"	3/8"	3/4"
144"	1/2"	3/4"

NOTE:
 MAX. MOVEMENT CONSIDERED=100% STRETCH.
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
 REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

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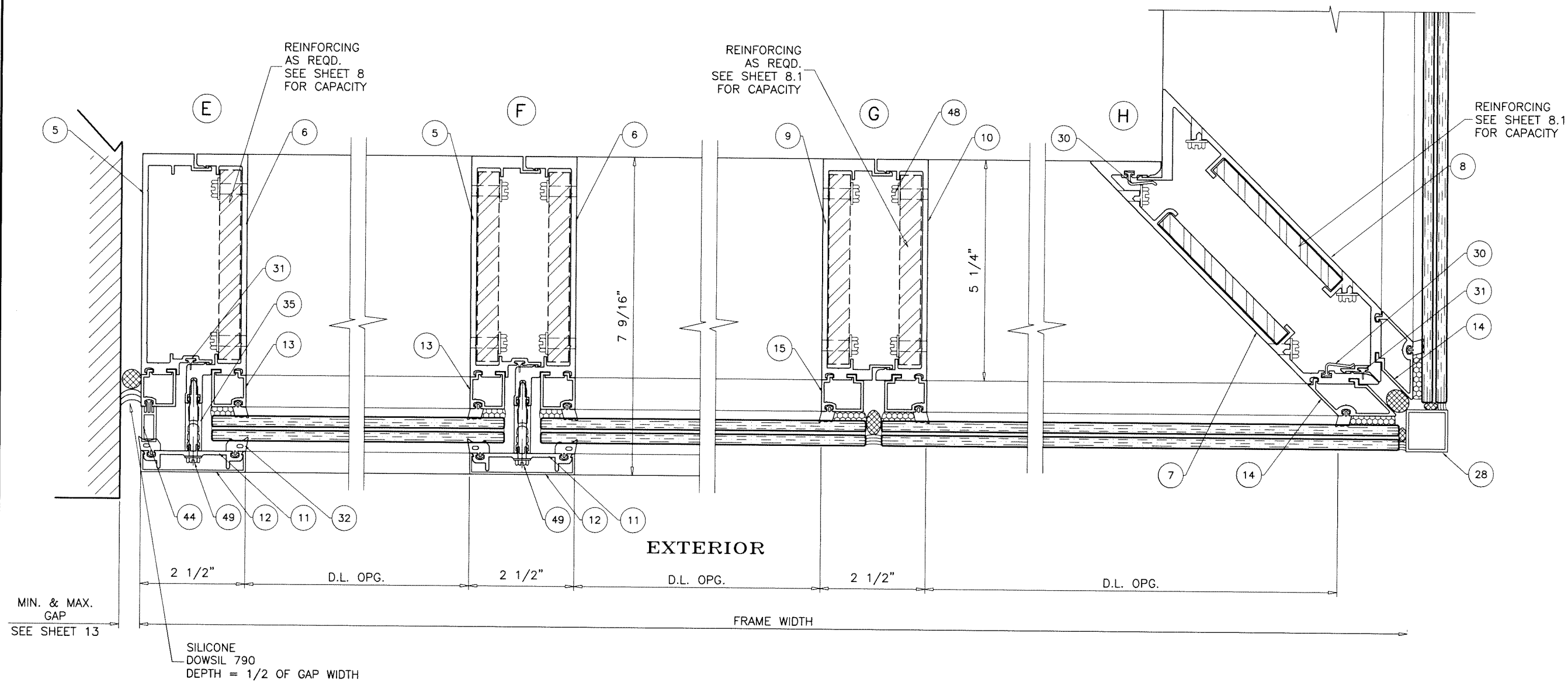
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MIN. & MAX.
GAP
SEE SHEET 13

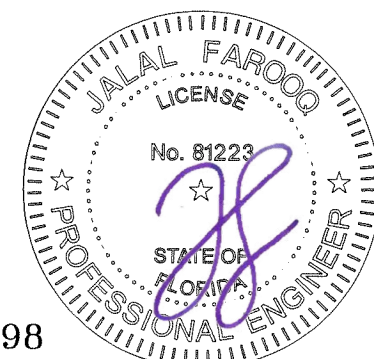
SILICONE
DOWSIL 790
DEPTH = 1/2 OF GAP WIDTH

EXTERIOR

FRAME WIDTH

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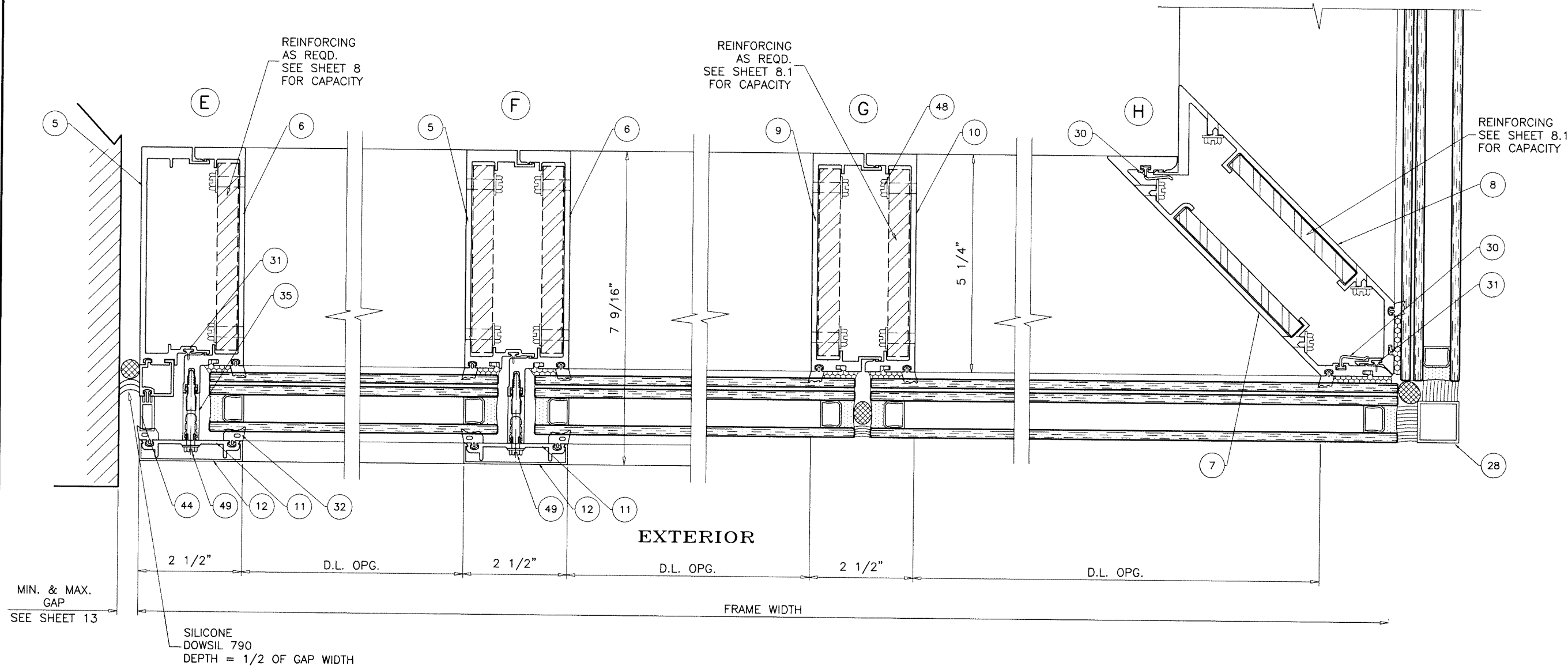
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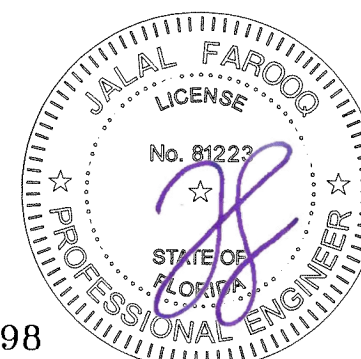
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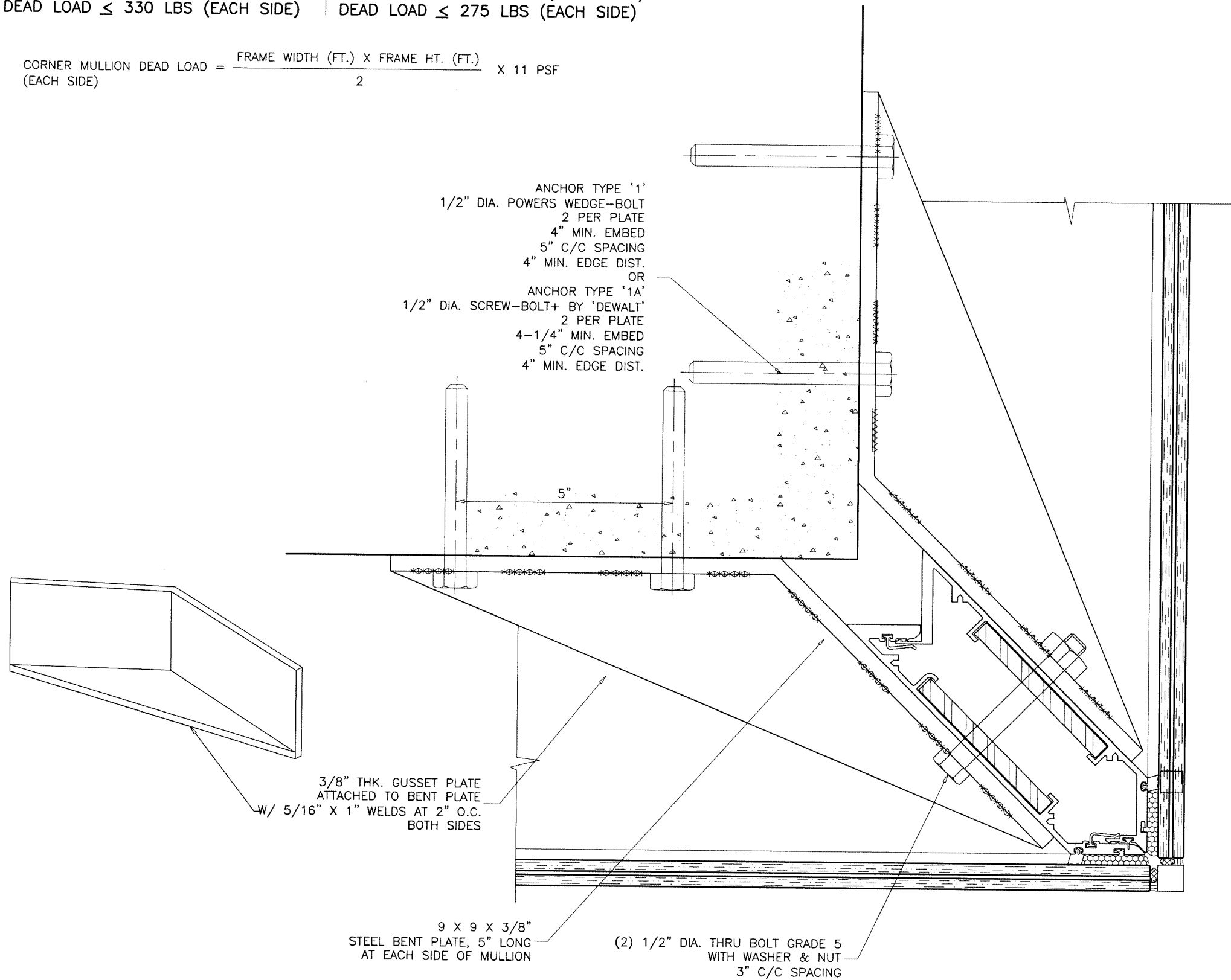
sheet 15 of 23

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WIND LOAD $\leq$ 1900 LBS (EACH SIDE)
DEAD LOAD $\leq$ 330 LBS (EACH SIDE)

INTERMEDIATE
ANCHOR TYPE '1A'
WIND LOAD ≤ 2100 LBS (EACH SIDE)
DEAD LOAD ≤ 275 LBS (EACH SIDE)

$$\text{CORNER MULLION DEAD LOAD (EACH SIDE)} = \frac{\text{FRAME WIDTH (FT.)} \times \text{FRAME HT. (FT.)}}{2} \times 11 \text{ PSF}$$

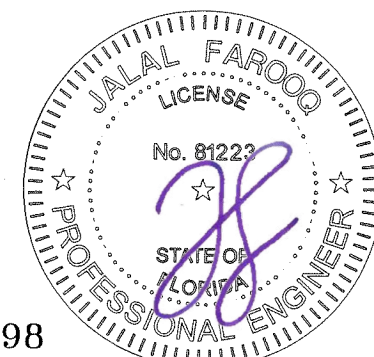


CORNER MULLION ANCHORS

MIDSPAN ANCHOR
INTO 4000 PSI MIN. CONCRETE

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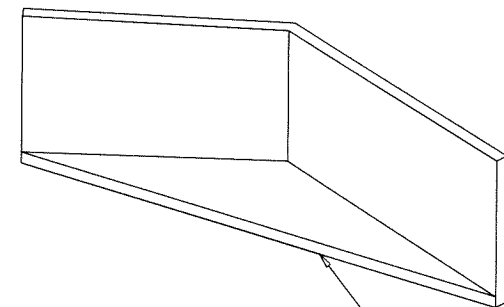
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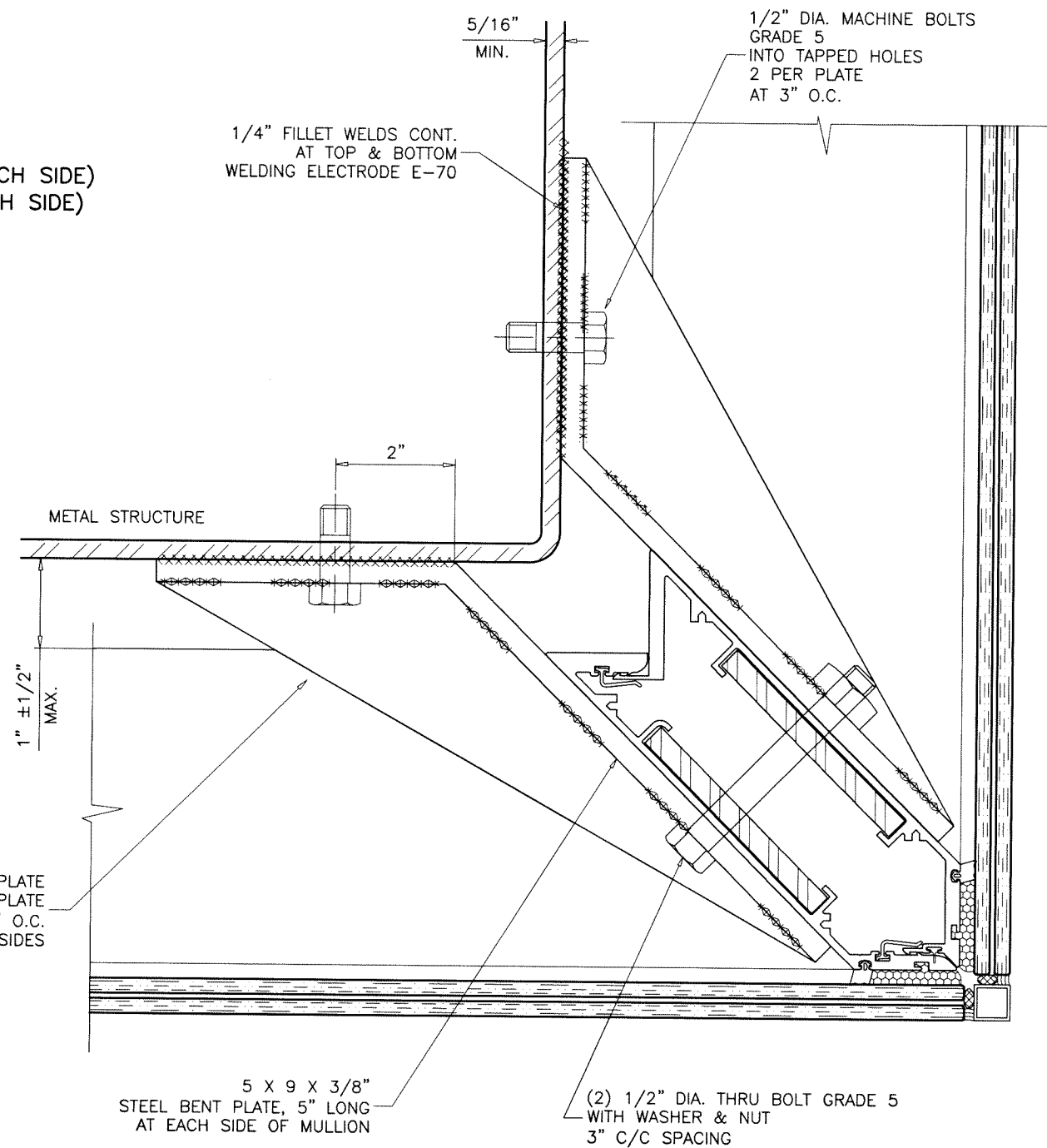
INTERMEDIATE ANCHOR

WIND LOAD $\leq$ 6500 LBS (EACH SIDE)
DEAD LOAD $\leq$ 750 LBS (EACH SIDE)



3/8" THK. GUSSET PLATE
ATTACHED TO BENT PLATE
W/ 5/16" X 1" WELDS AT 2" O.C.
BOTH SIDES

ALL WELDS = 1/4" FILLET, WELDING ELECTRODE E-70
EMBEDDED STEEL STUD IS NOT PART OF THIS APPROVAL.

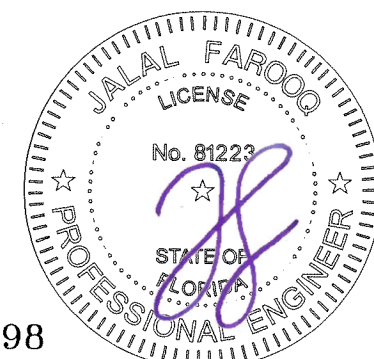


CORNER MULLION ANCHORS

MIDSPAN ANCHOR
INTO 1/4" THK. MIN. COMMERCIAL STEEL

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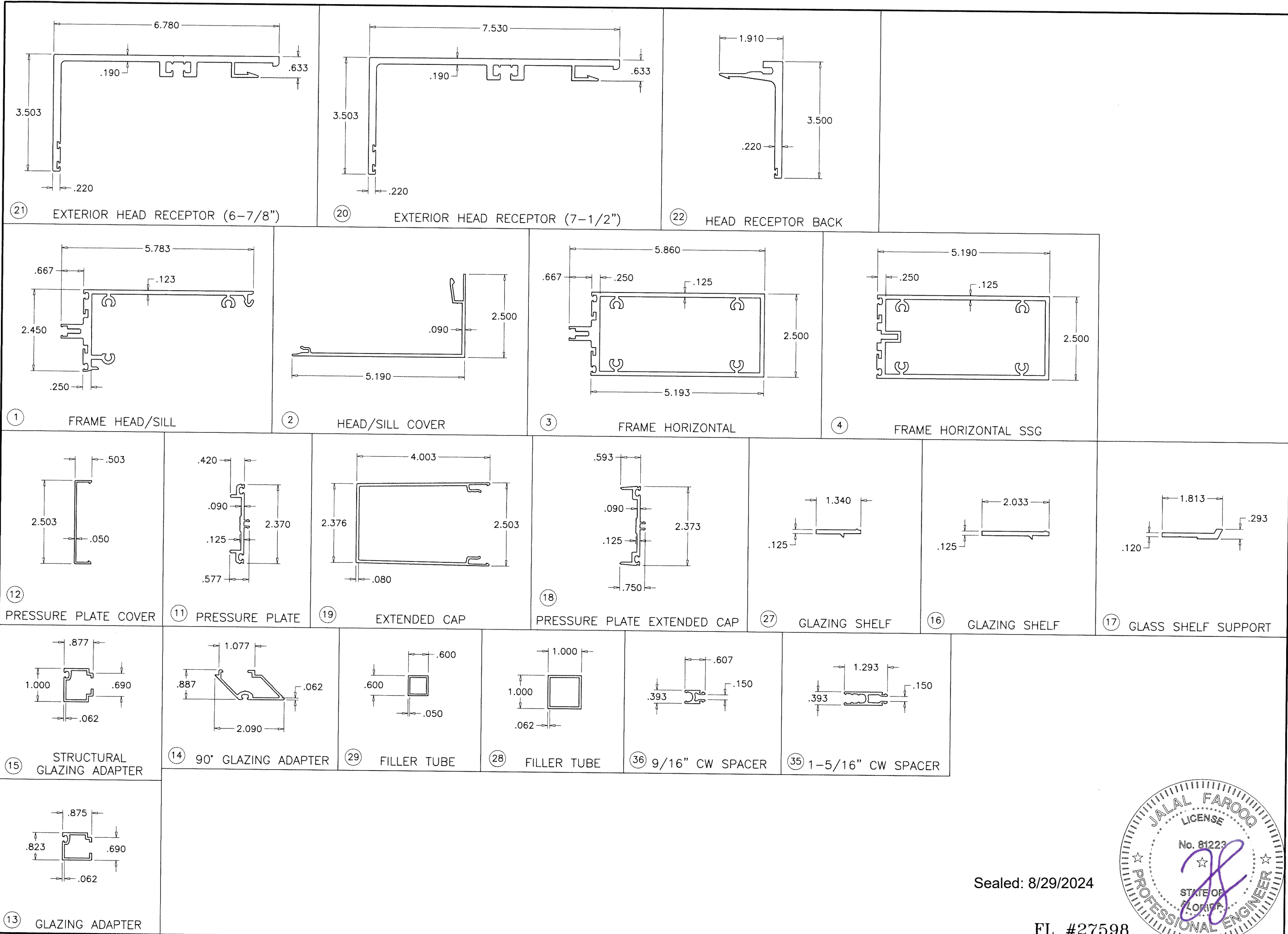


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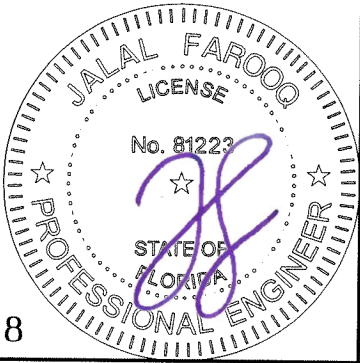
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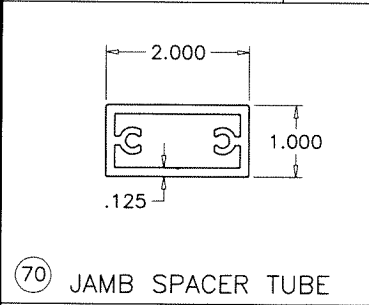
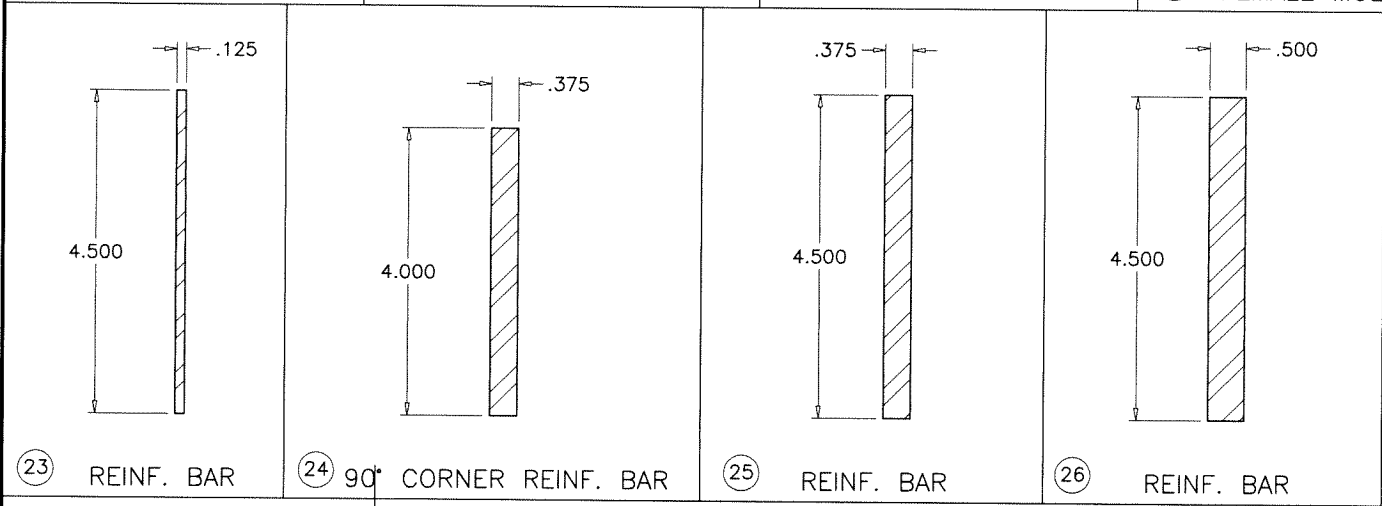
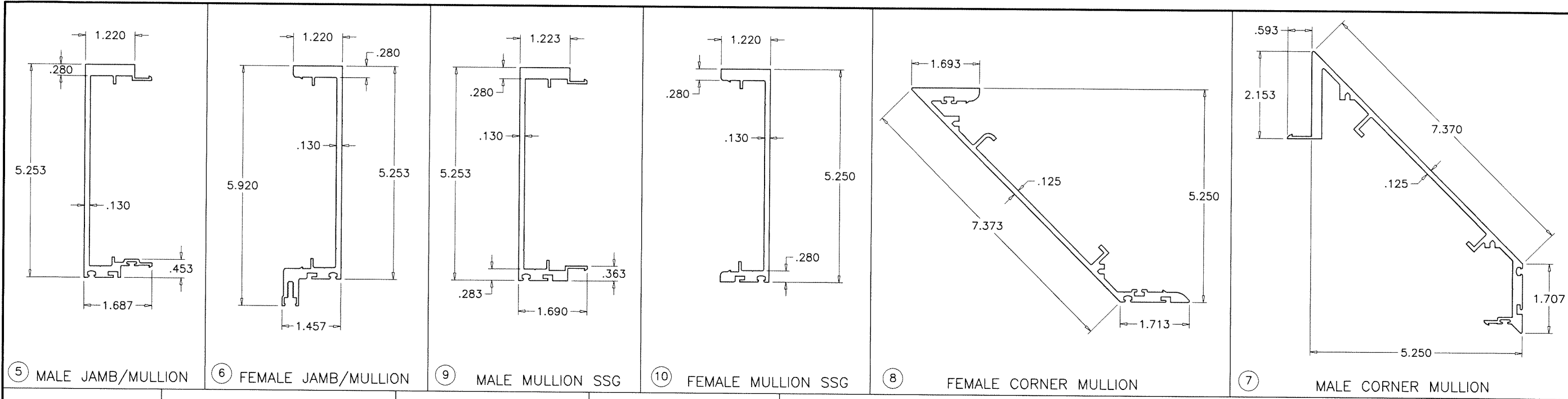
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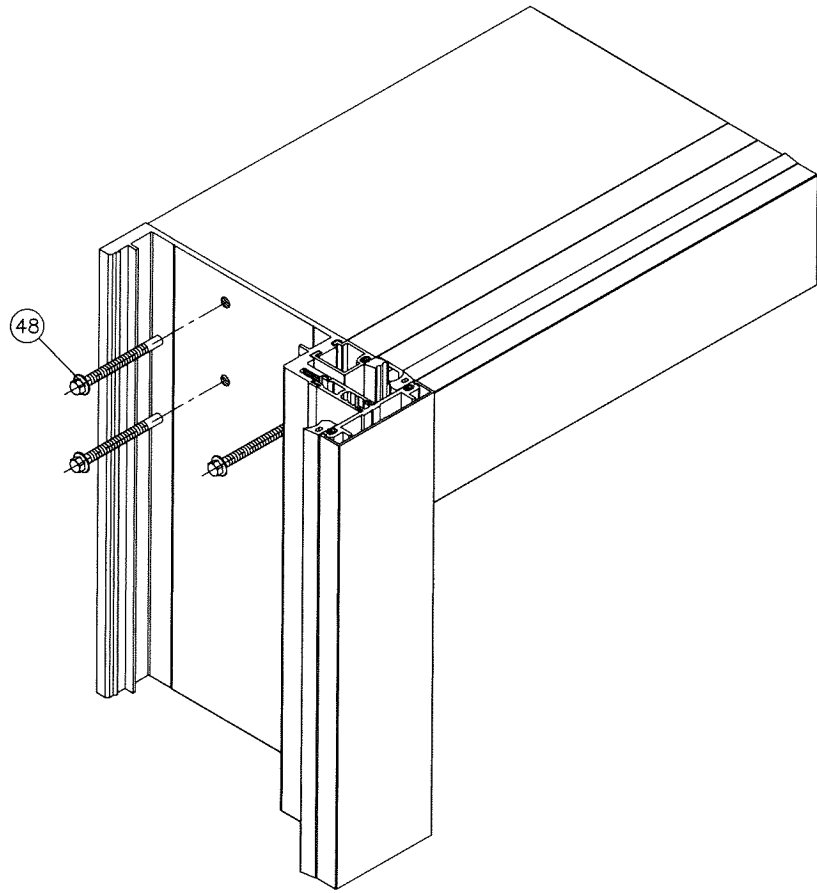
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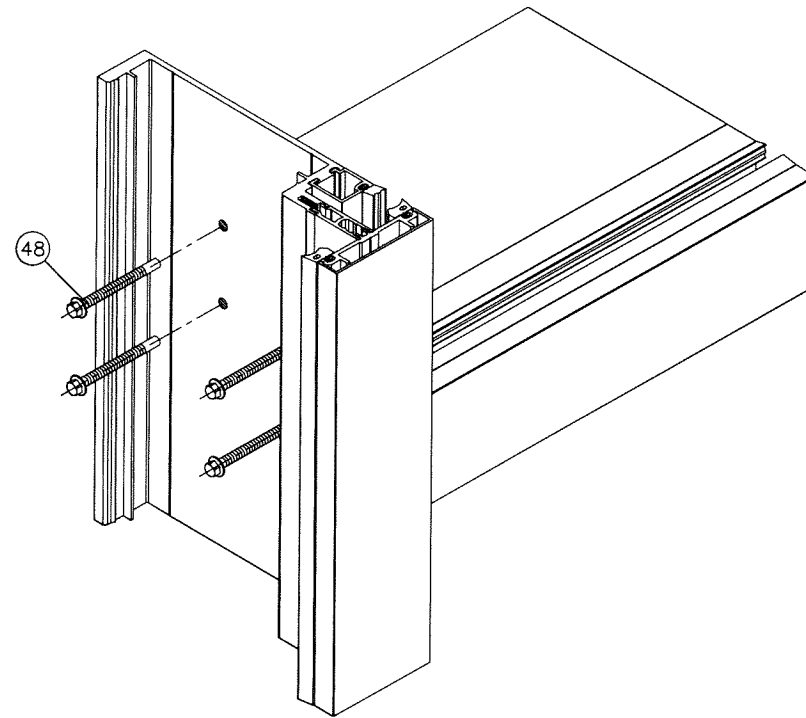


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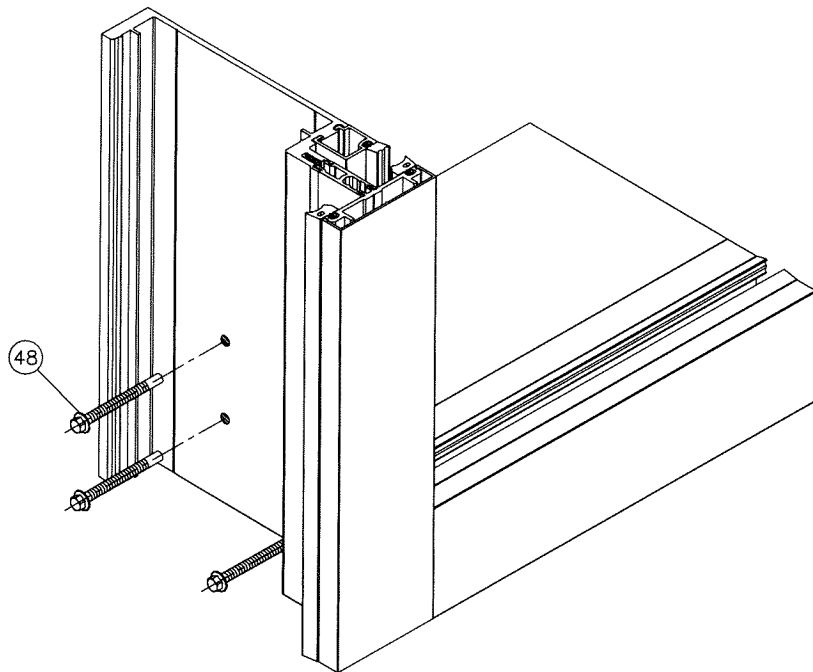
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FRAME TOP CORNER



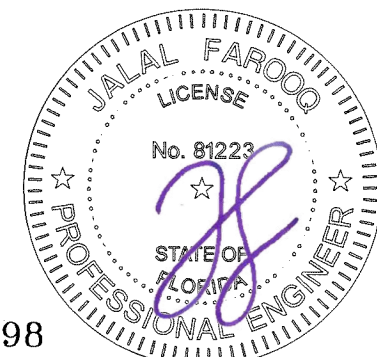
FRAME HORIZONTAL CORNER



FRAME BOTTOM CORNER

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