

INDEX OF DRAWING	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2	CURTAIN WALL ELEVATION (SINGLE SPAN W/O HEAD RECEPTOR)
3	CURTAIN WALL ELEVATION (SINGLE SPANS WITH HEAD RECEPTOR)
4	CURTAIN WALL ELEVATION (DOUBLE SPANS W/O HEAD RECEPTOR)
5 THRU 6	GLASS CAPACITY CHARTS, GLAZING DETAILS
7 THRU 8.1	SINGLE & DOUBLE SPANS MULLION CAPACITY CHART
9 THRU 10.3	HEAD/SILL ANCHOR CAPACITY CHARTS
11 & 12	VERTICAL SECTION DETAILS
13 THRU 15	HORIZONTAL SECTION DETAILS
16 & 17	DEAD LOAD ANCHOR DETAILS
18 & 19	DEAD LOAD CORNER MULLION ANCHOR DETAILS
20 & 21	EXTRUSION DETAILS
22	BILL OF MATERIALS
23	CORNER CONSTRUCTION DETAILS

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)/2026 (9TH 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 LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 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)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

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

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

Sealed: 9/16/2026

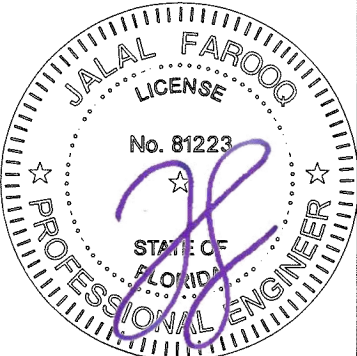
FL #27598

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.

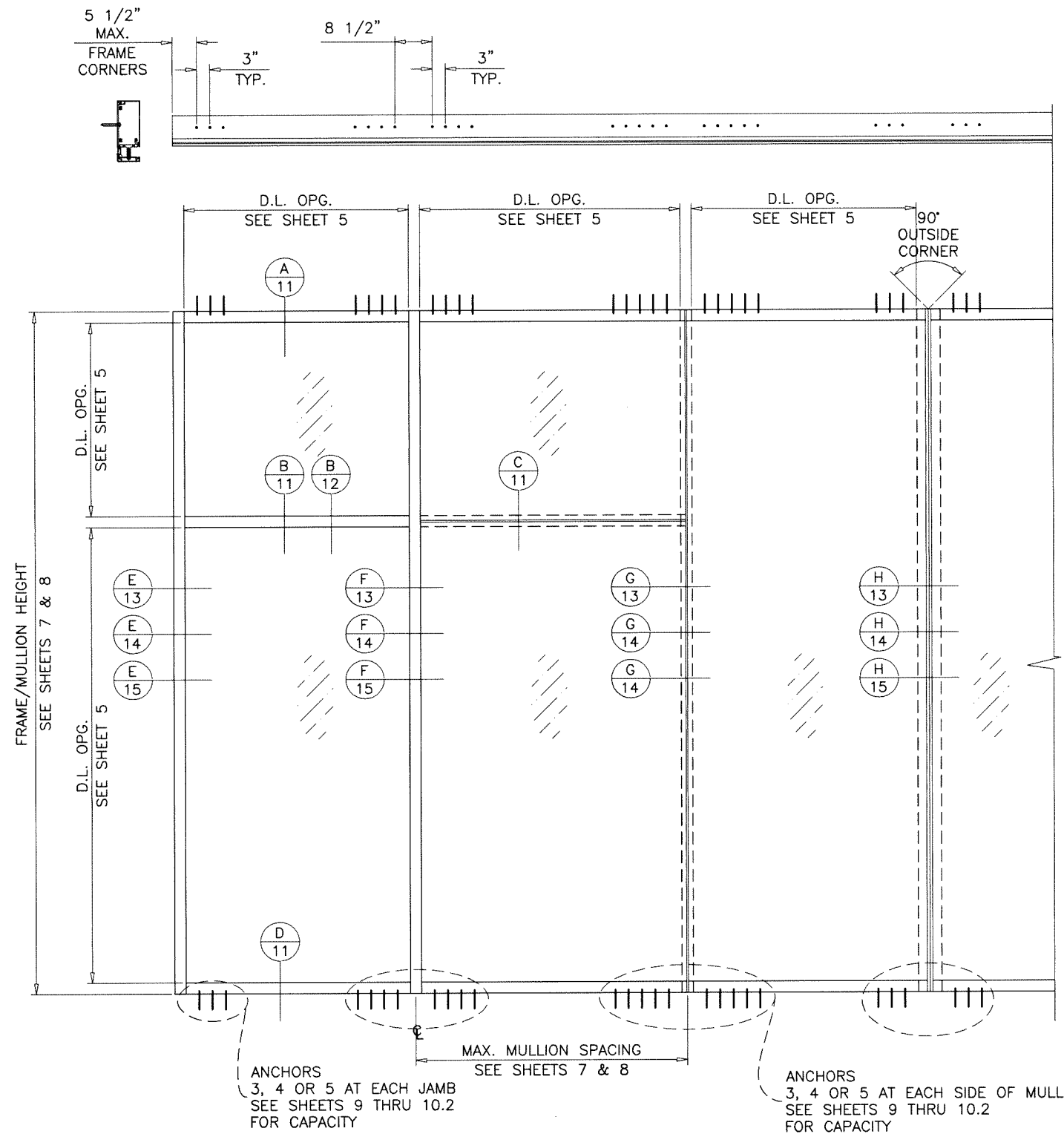
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



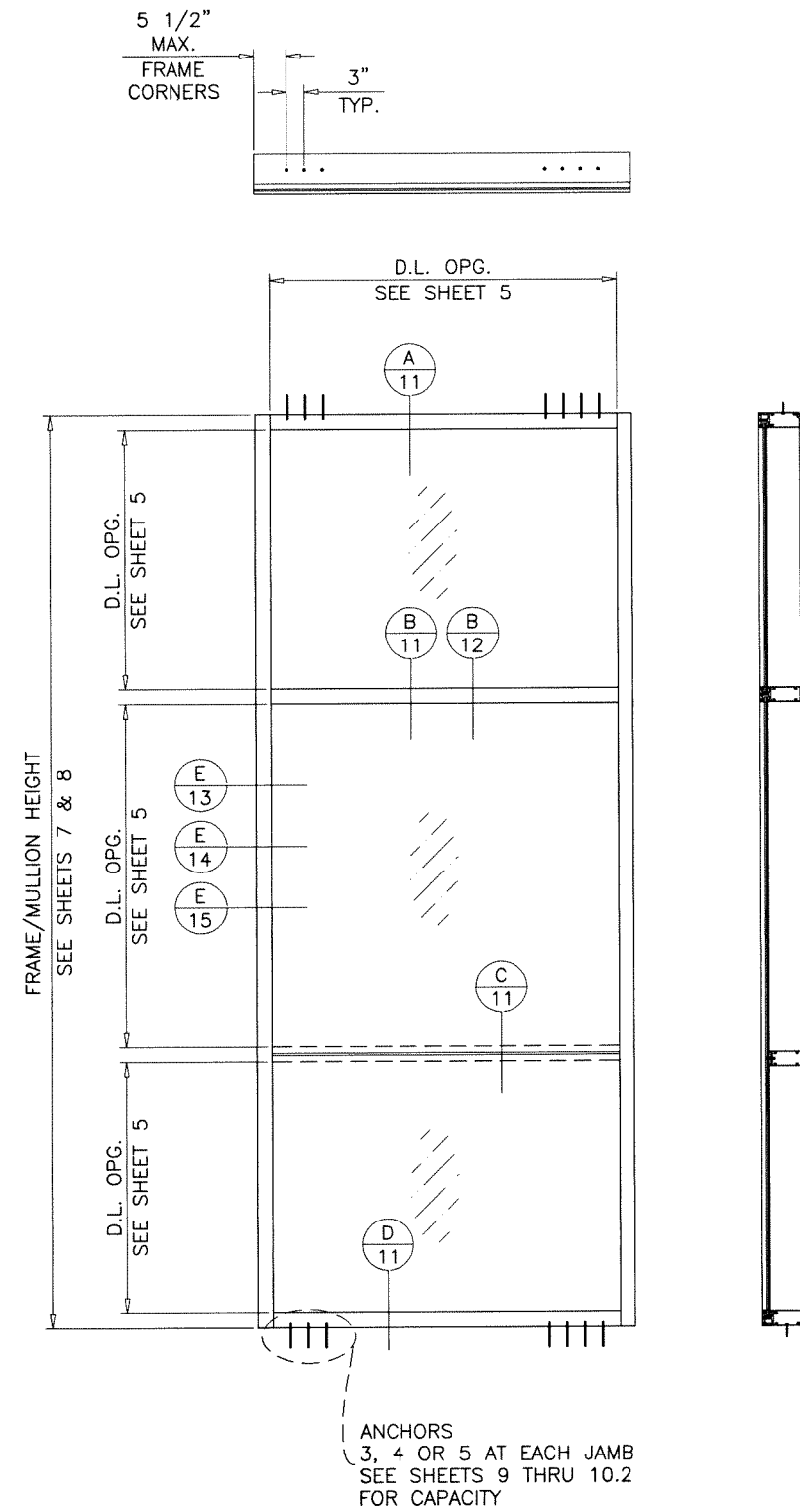
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\18-33F-TG

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

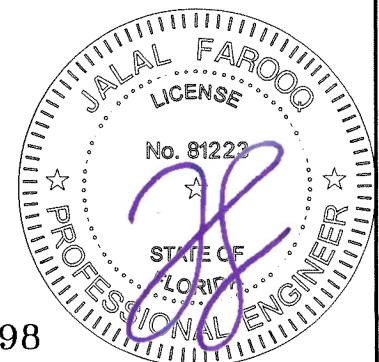
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		B	12.28.20		UPDATED TO 2020 FBC
		C	10.25.23		NEW TEST ADDED
		D	07.16.24		NEW TEST ADDED
		E	09.14.26		UPDATED TO 2026 FBC



TYPICAL ELEVATIONS
SINGLE SPAN WITHOUT HEAD RECEPTOR W/ 90° EXTERIOR CORNER



Sealed: 9/16/2026



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
COMP-ANL 18-33F-TG

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

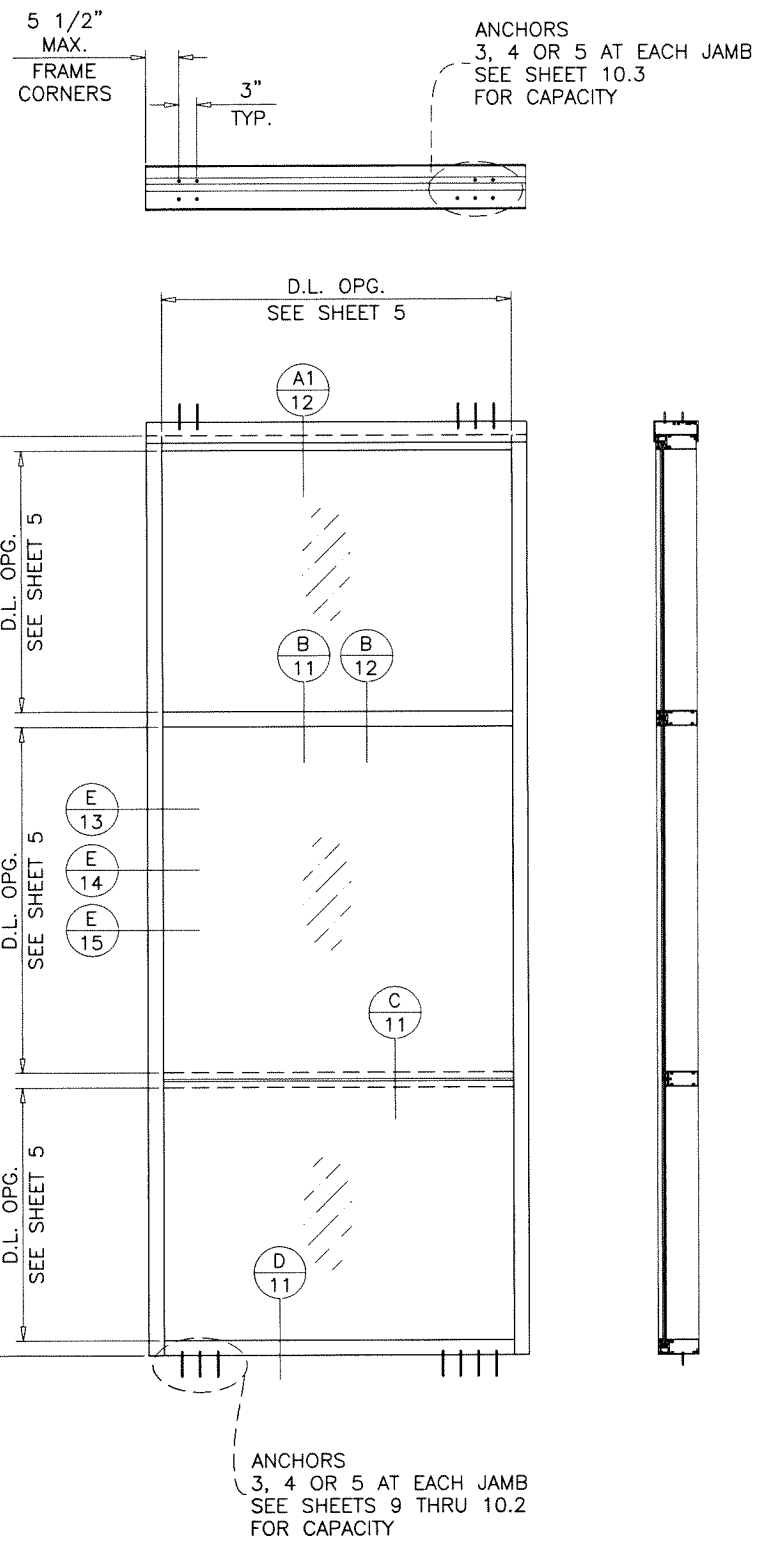
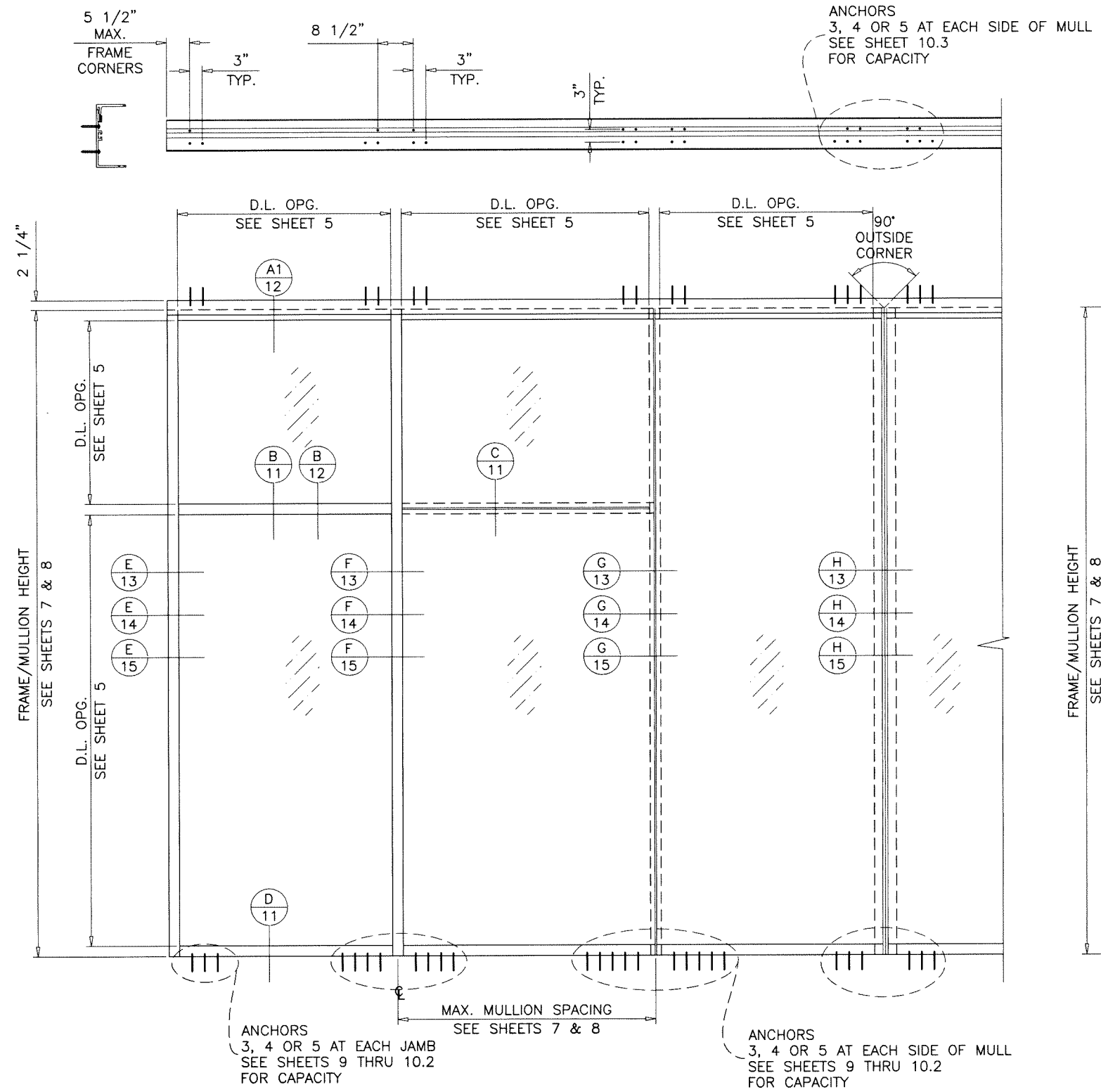
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		by description	
no	date	no	date

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dr. by: TARIQ
chk. by:

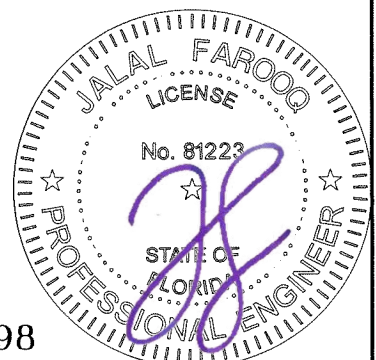
drawing no.
18-33F

sheet 2 of 23



TYPICAL ELEVATIONS
SINGLE SPAN WITH HEAD RECEPTOR W/ 90° EXTERIOR CORNER

Sealed: 9/16/2026



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)

COMP-ANL 18-33F-TG

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

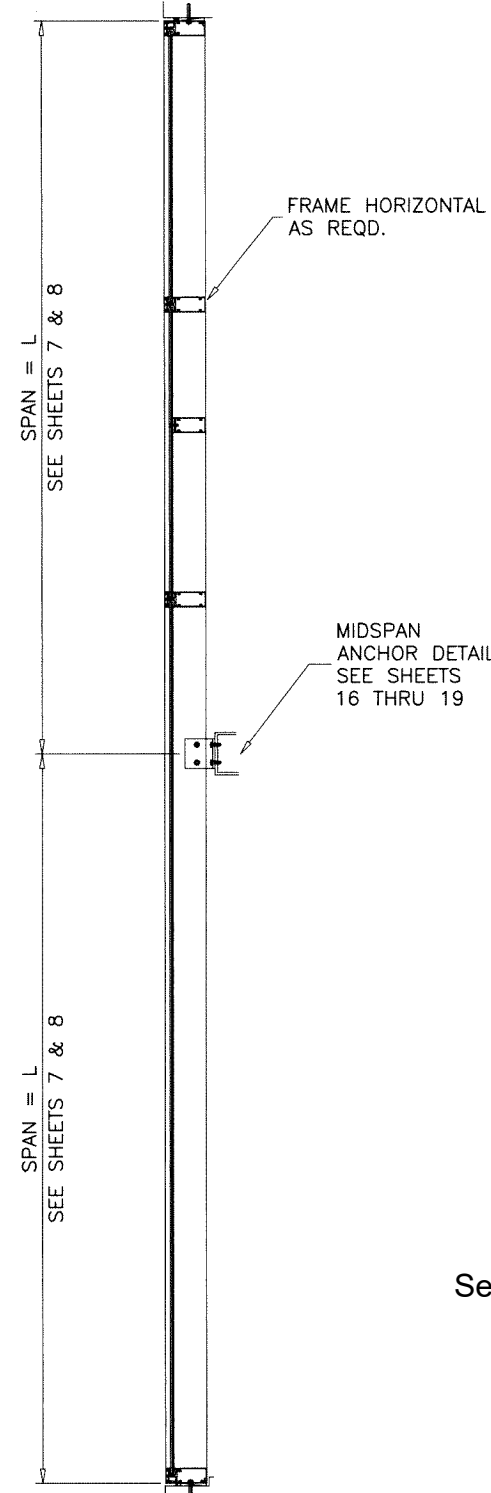
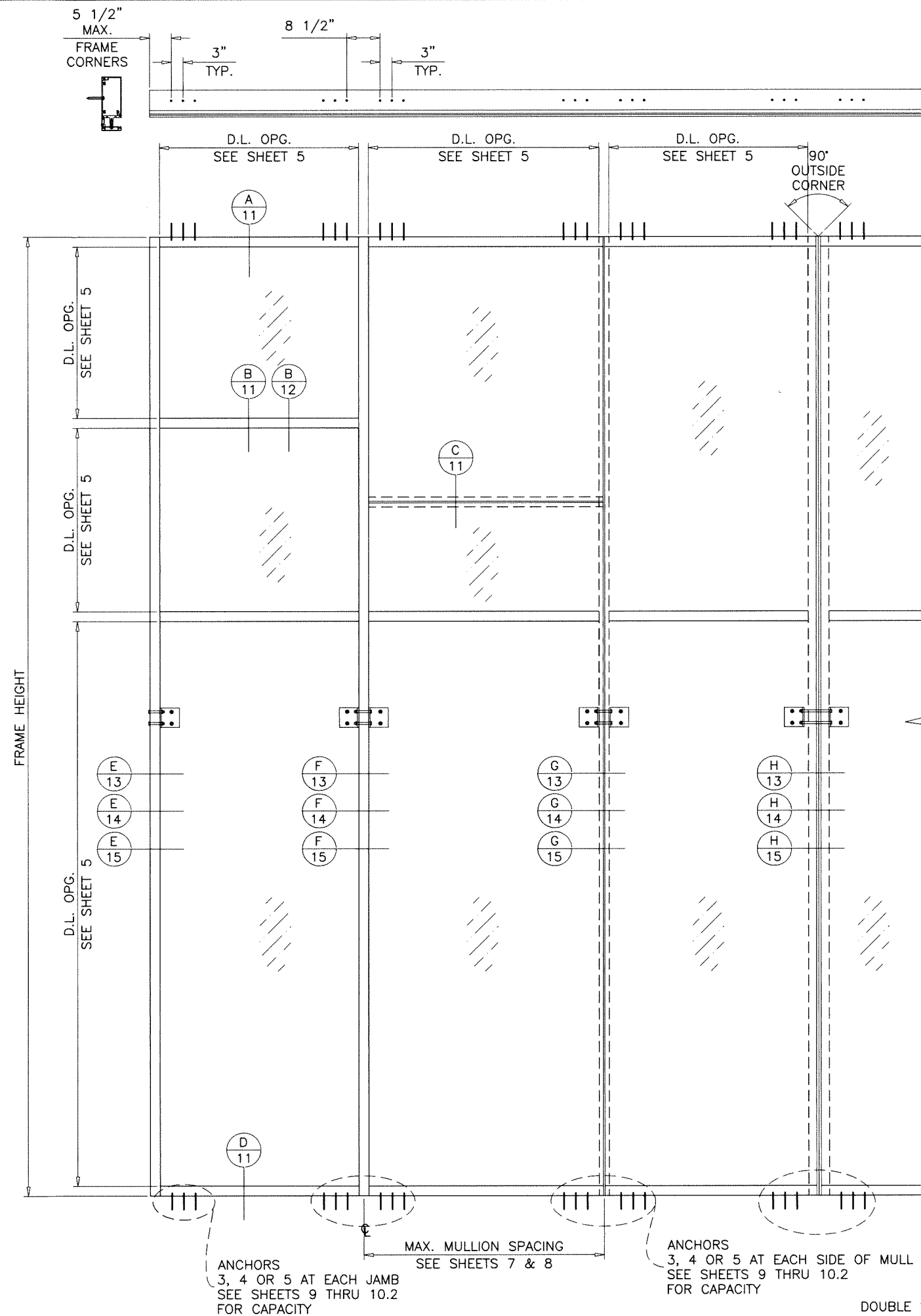
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by description

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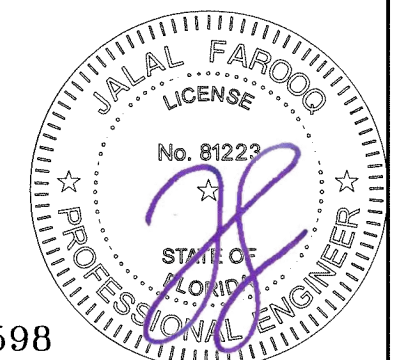
drawing no.
18-33F
sheet 3 of 23



TYPICAL ELEVATION

DOUBLE SPAN WITHOUT HEAD RECEPTOR W/ 90° EXTERIOR CORNER

Sealed: 9/16/2026



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.)

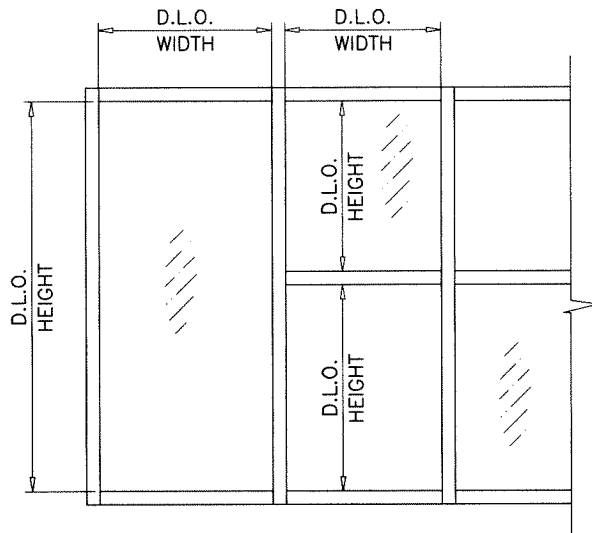
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	
no	date by description

date: 06-27-18	scale: 3/8"=1'-0"	dr. by: TARIQ	chk. by:	drawing no. 18-33F
				sheet 4 of 23

GLASS LOAD CAPACITY - PSF				GLASS LOAD CAPACITY - PSF				GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A'		NOMINAL DIMS.		GLASS TYPE 'A'		NOMINAL DIMS.		GLASS TYPE 'A'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)	D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)	D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
27-1/2"	79"	130.0	130.0	27-1/2"	103"	130.0	130.0	27-1/2"	127"	130.0	130.0
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0	33-1/2"		130.0	130.0
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0	39-1/2"		130.0	130.0
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0	45-1/2"		130.0	130.0
51-1/2"		130.0	130.0	51-1/2"		121.0	121.0	51-1/2"		130.0	130.0
55-1/2"		121.0	121.0	55-1/2"		117.0	117.0	55-1/2"		60.0	60.0
57-1/2"		117.0	117.0	57-1/2"		106.4	106.4	57-1/2"		58.6	58.6
63-1/2"		106.4	106.4	63-1/2"		54.7	54.7	63-1/2"		54.7	54.7
69-1/2"		97.5	97.5	69-1/2"		50.0	50.0	69-1/2"		50.0	50.0
75-1/2"		90.0	90.0	75-1/2"		46.0	46.0	75-1/2"		46.0	46.0
81-1/2"		83.6	83.6	81-1/2"		42.6	42.6	81-1/2"	130"	60.0	60.0
82-1/2"		44.0	44.0	82-1/2"		42.1	42.1	82-1/2"		59.7	59.7
27-1/2"	85"	130.0	130.0	27-1/2"	109"	130.0	130.0	57-1/2"		58.2	58.2
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0	63-1/2"		54.3	54.3
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0	69-1/2"		50.0	50.0
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0	27-1/2"	133"	130.0	130.0
51-1/2"		130.0	130.0	51-1/2"		130.0	130.0	33-1/2"		130.0	130.0
55-1/2"		121.0	121.0	55-1/2"		121.0	121.0	39-1/2"		130.0	130.0
57-1/2"		117.0	117.0	57-1/2"		117.0	117.0	45-1/2"		124.6	124.6
63-1/2"		106.4	106.4	63-1/2"		54.7	54.7	51-1/2"		60.0	60.0
69-1/2"		97.5	97.5	69-1/2"		50.0	50.0	55-1/2"		59.3	59.3
75-1/2"		90.0	90.0	75-1/2"		46.0	46.0	57-1/2"		57.8	57.8
81-1/2"		42.6	42.6	81-1/2"		42.6	42.6	63-1/2"		53.9	53.9
82-1/2"		42.1	42.1	82-1/2"		42.1	42.1	69-1/2"		50.0	50.0
27-1/2"	91"	130.0	130.0	27-1/2"	115"	130.0	130.0	27-1/2"	139"	130.0	130.0
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0	33-1/2"		130.0	130.0
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0	39-1/2"		130.0	130.0
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0	45-1/2"		121.6	121.6
51-1/2"		130.0	130.0	51-1/2"		130.0	130.0	51-1/2"		60.0	60.0
55-1/2"		121.0	121.0	55-1/2"		121.0	121.0	55-1/2"		58.7	58.7
57-1/2"		117.0	117.0	57-1/2"		60.0	60.0	57-1/2"		57.1	57.1
63-1/2"		106.4	106.4	63-1/2"		54.7	54.7	63-1/2"		53.2	53.2
69-1/2"		97.5	97.5	69-1/2"		50.0	50.0	69-1/2"		50.0	50.0
75-1/2"		46.0	46.0	75-1/2"		46.0	46.0				
81-1/2"		42.6	42.6	81-1/2"		42.6	42.6				
82-1/2"		42.1	42.1	82-1/2"		42.1	42.1				
27-1/2"	97"	130.0	130.0	27-1/2"	121"	130.0	130.0				
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0				
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0				
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0				
51-1/2"		130.0	130.0	51-1/2"		130.0	130.0				
55-1/2"		121.0	121.0	55-1/2"		60.0	60.0				
57-1/2"		117.0	117.0	57-1/2"		59.5	59.5				
63-1/2"		106.4	106.4	63-1/2"		54.7	54.7				
69-1/2"		50.0	50.0	69-1/2"		50.0	50.0				
75-1/2"		46.0	46.0	75-1/2"		46.0	46.0				
81-1/2"		42.6	42.6								
82-1/2"		42.1	42.1								

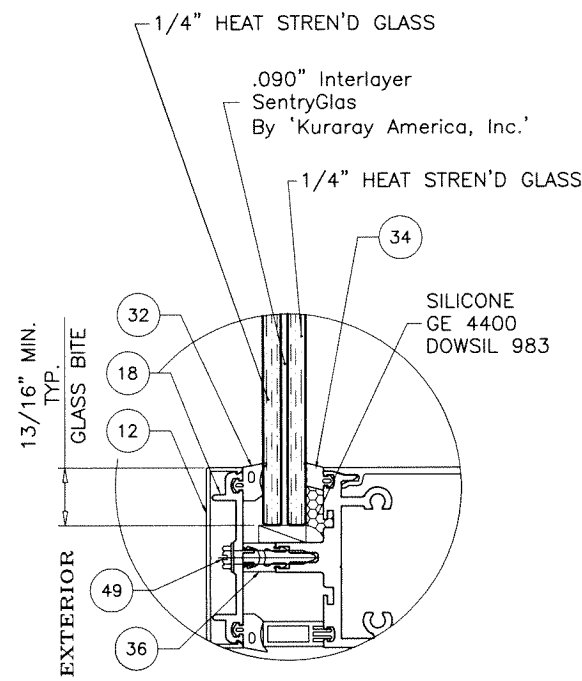
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



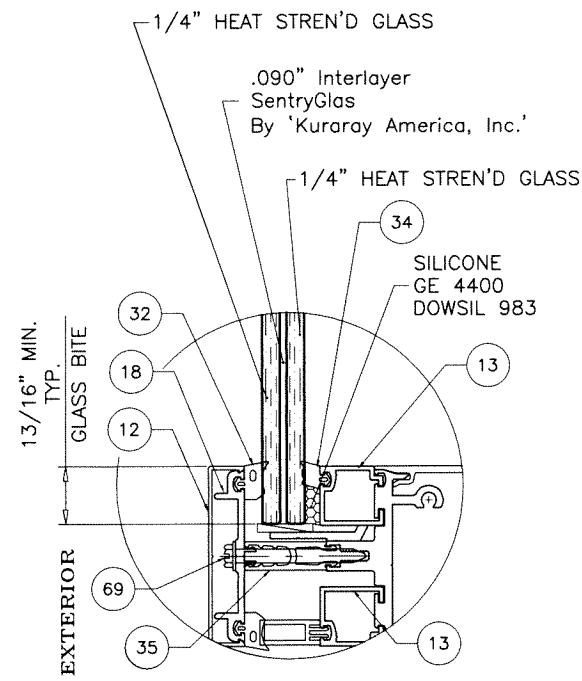
SINGLE 'O' PANEL:
 FRAME WIDTH = D.L.O. WIDTH + 5.00"
 FRAME HEIGHT = D.L.O. HEIGHT + 5.00"

NOTE:
 GLASS CAPACITIES ON THIS SHEET
 ARE BASED ON
 ASTM E1300-16 (3 SEC. GUSTS)

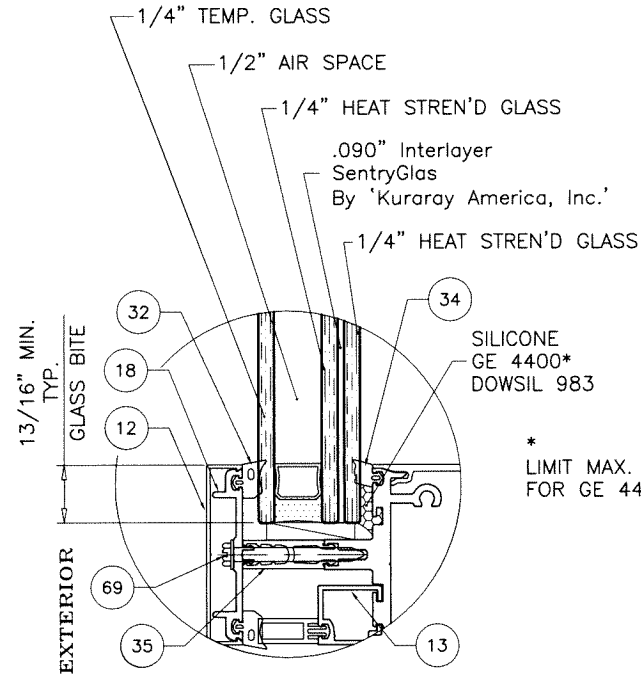
GLASS LOAD CAPACITY - PSF				GLASS LOAD CAPACITY - PSF				GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A1'		NOMINAL DIMS.		GLASS TYPE 'A1'		NOMINAL DIMS.		GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(−)	D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(−)	D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(−)
27-1/2"	79"	130.0	130.0	27-1/2"	103"	130.0	130.0	27-1/2"	127"	130.0	130.0
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0	33-1/2"		130.0	130.0
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0	39-1/2"		130.0	130.0
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0	45-1/2"		130.0	130.0
51-1/2"		130.0	130.0	51-1/2"		130.0	130.0	51-1/2"		60.0	60.0
55-1/2"		130.0	130.0	55-1/2"		130.0	130.0	55-1/2"		60.0	60.0
57-1/2"		130.0	130.0	57-1/2"		104.0	104.0	57-1/2"		58.6	59.0
63-1/2"		118.2	118.2	63-1/2"		54.7	59.0	63-1/2"		54.7	59.0
69-1/2"		104.7	104.7	69-1/2"		54.5	59.0	69-1/2"		54.5	59.0
75-1/2"		80.0	80.0	75-1/2"		54.5	59.0	75-1/2"		54.5	59.0
81-1/2"		54.5	59.0	81-1/2"		54.5	59.0	81-1/2"		54.5	59.0
82-1/2"		54.5	59.0	82-1/2"		54.5	59.0	82-1/2"		54.5	59.0
27-1/2"	85"	130.0	130.0	27-1/2"	109"	130.0	130.0	27-1/2"	130"	130.0	130.0
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0	33-1/2"		130.0	130.0
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0	39-1/2"		130.0	130.0
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0	45-1/2"		130.0	130.0
51-1/2"		130.0	130.0	51-1/2"		115.6	115.6	51-1/2"		60.0	60.0
55-1/2"		130.0	130.0	55-1/2"		107.6	107.6	55-1/2"		59.7	59.7
57-1/2"		130.0	130.0	57-1/2"		104.0	104.0	57-1/2"		58.2	59.0
63-1/2"		114.2	114.2	63-1/2"		54.7	59.0	63-1/2"		54.5	59.0
69-1/2"		86.7	86.7	69-1/2"		54.5	59.0	69-1/2"		54.5	59.0
75-1/2"		54.5	59.0	75-1/2"		54.5	59.0	75-1/2"		54.5	59.0
81-1/2"		54.5	59.0	81-1/2"		54.5	59.0	81-1/2"		54.5	59.0
82-1/2"		54.5	59.0	82-1/2"		54.5	59.0	82-1/2"		54.5	59.0
27-1/2"	91"	130.0	130.0	27-1/2"	115"	130.0	130.0	27-1/2"	133"	130.0	130.0
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0	33-1/2"		130.0	130.0
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0	39-1/2"		130.0	130.0
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0	45-1/2"		128.4	128.4
51-1/2"		130.0	130.0	51-1/2"		115.6	115.6	51-1/2"		60.0	60.0
55-1/2"		130.0	130.0	55-1/2"		60.0	60.0	55-1/2"		59.3	59.3
57-1/2"		130.0	130.0	57-1/2"		60.0	60.0	57-1/2"		57.8	59.0
63-1/2"		94.5	94.5	63-1/2"		54.7	59.0	63-1/2"		54.5	59.0
69-1/2"		86.7	86.7	69-1/2"		54.5	59.0	69-1/2"		54.5	59.0
75-1/2"		54.5	59.0	75-1/2"		54.5	59.0	75-1/2"		54.5	59.0
81-1/2"		54.5	59.0	81-1/2"		54.5	59.0	27-1/2"	139"	130.0	130.0
82-1/2"		54.5	59.0	82-1/2"		54.5	59.0	33-1/2"		130.0	130.0
27-1/2"	97"	130.0	130.0	27-1/2"	121"	130.0	130.0	39-1/2"		130.0	130.0
33-1/2"		130.0	130.0	33-1/2"		130.0	130.0	45-1/2"		125.4	125.4
39-1/2"		130.0	130.0	39-1/2"		130.0	130.0	51-1/2"		60.0	60.0
45-1/2"		130.0	130.0	45-1/2"		130.0	130.0	55-1/2"		58.7	59.0
51-1/2"		130.0	130.0	51-1/2"		115.6	115.6	57-1/2"		57.1	57.1
55-1/2"		130.0	130.0	55-1/2"		60.0	60.0	63-1/2"	54.5	59.0	
57-1/2"		125.7	125.7	57-1/2"		59.5	59.5	69-1/2"	54.5	59.0	
63-1/2"		94.5	94.5	63-1/2"		54.7	59.0	75-1/2"	54.5	59.0	
69-1/2"		86.7	86.7	69-1/2"		54.5	59.0				
75-1/2"		54.5	59.0	75-1/2"		54.5	59.0				
81-1/2"		54.5	59.0	81-1/2"		54.5	59.0				
82-1/2"	54.5	59.0	82-1/2"	54.5	59.0						



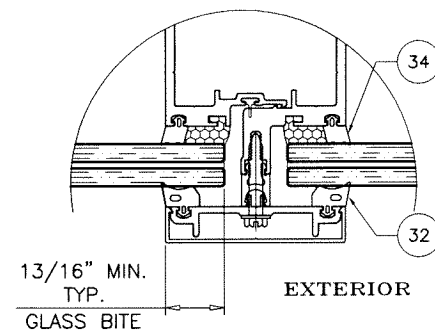
GLASS TYPE 'A'
9/16" LAM. GLASS



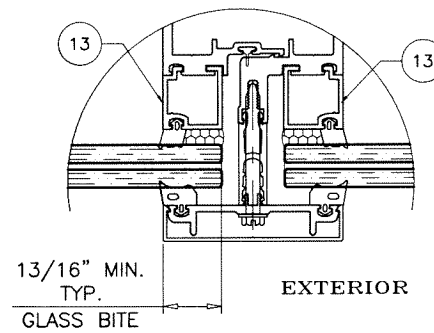
GLASS TYPE 'A'
9/16" LAM. GLASS



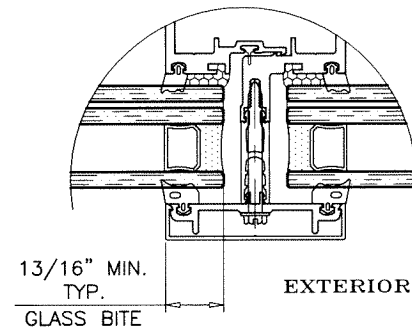
*
LIMIT MAX. D.L.O. AREA TO 43.9 SQ. FT.
FOR GE 4400 SILICONE



GLASS TYPE 'A'
AT CAPTURED JAMB/MULLION



GLASS TYPE 'A'
AT CAPTURED JAMB/MULLION



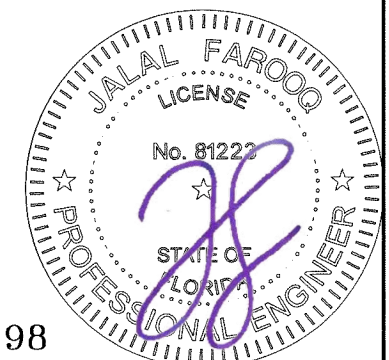
GLASS TYPE 'A1'
AT CAPTURED JAMB/MULLION

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: 9/16/2026

FL #27598



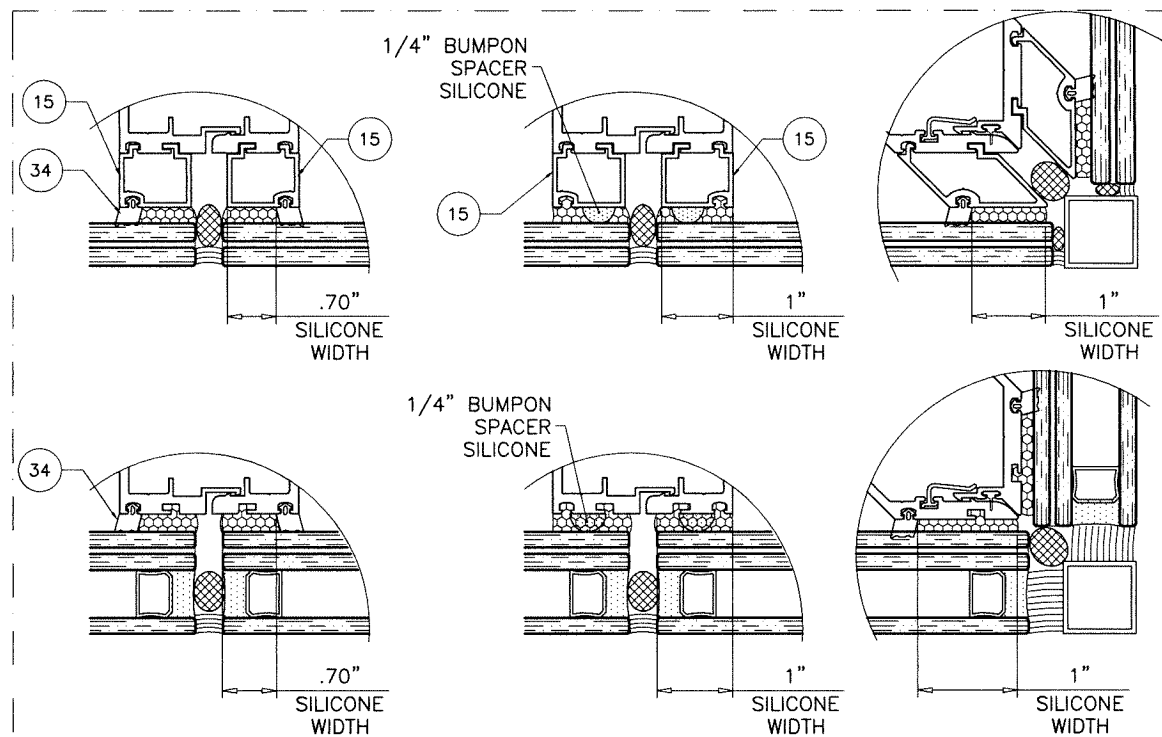
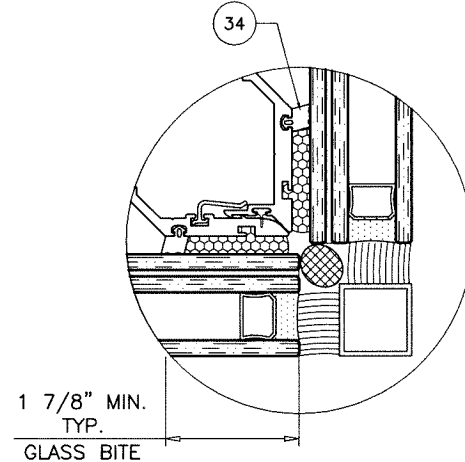
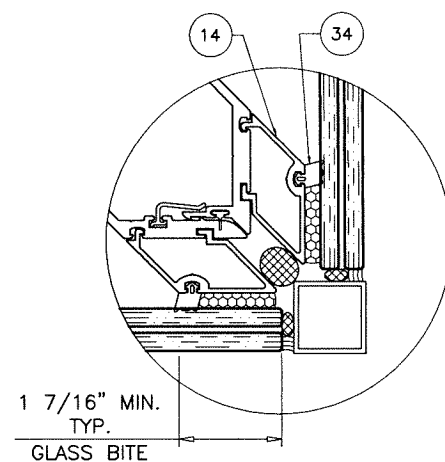
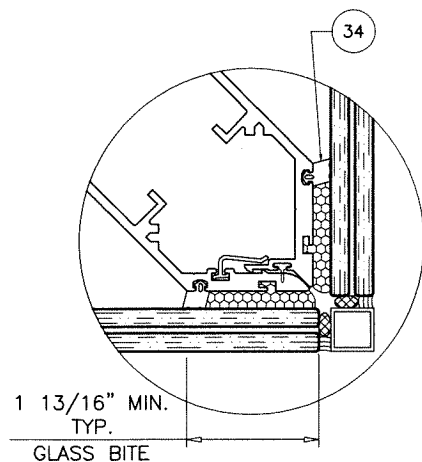
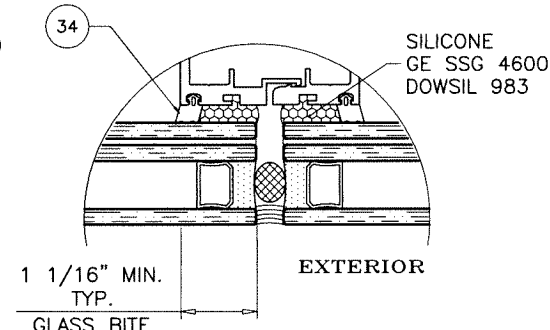
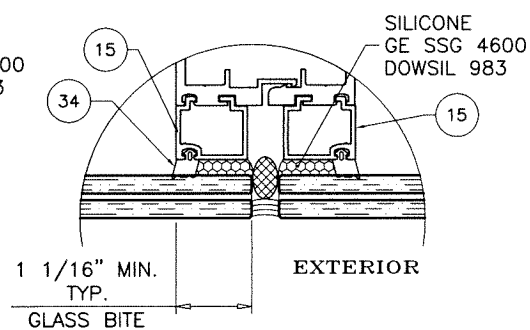
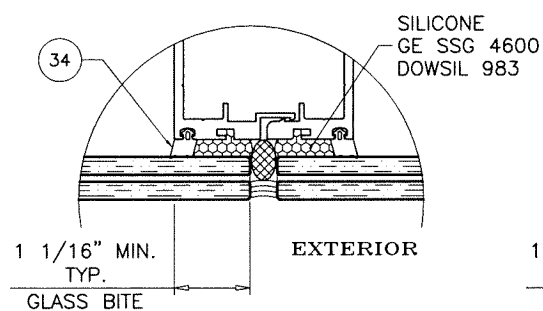
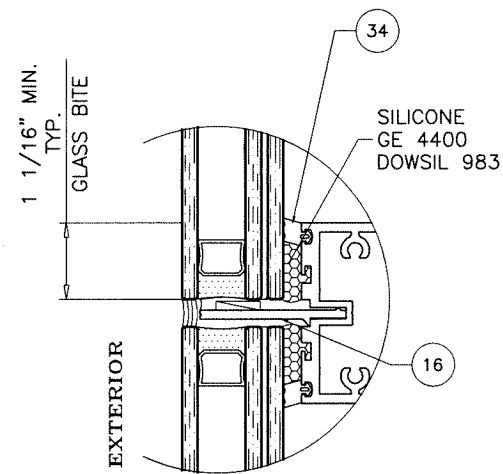
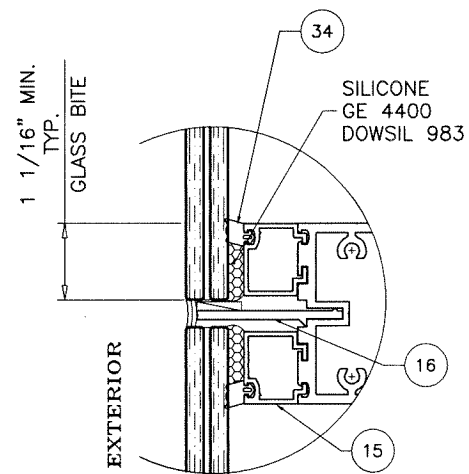
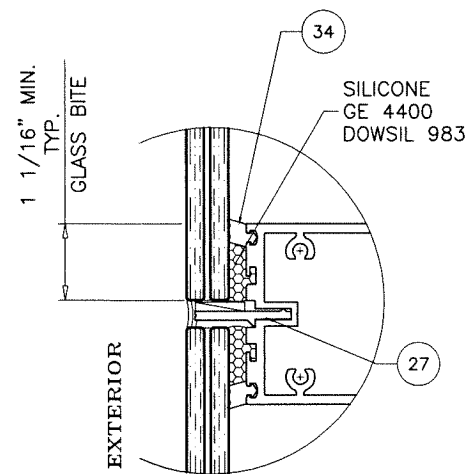
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

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

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

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



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"	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"	117.4	130.0
57-1/2"	105.2	130.0
63-1/2"	95.2	130.0
69-1/2"	87.0	124.3
75-1/2"	80.1	114.4
82-1/2"	73.3	104.7

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

1/2" AIR SPACE CONSISTING OF:

EDGE SPACER:

'HELIMA' LOW PROFILE ALUMINUM SPACER

BY 'LINGERMANN GMBH'

AROUND THE PERIMETER OF THE GLASS.

EDGE SEALANT FOR SSG GLASS (W/O PRESS PLATE):

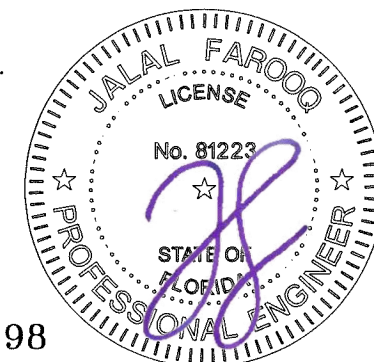
7/16" HIGH SILICONE MIN.

ULTIMATE TENSILE STRENGTH PER ASTM C1135=150 PSI MIN.

ALTERNATE CAN BE DESIGNED BY EOR.

Sealed: 9/16/2026

FL #27598



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

AL-FAROOQ CORPORATION

ARE! ALSO? CON. CIVIL ENGINEERS & PRODUCT DEVELOPMENT

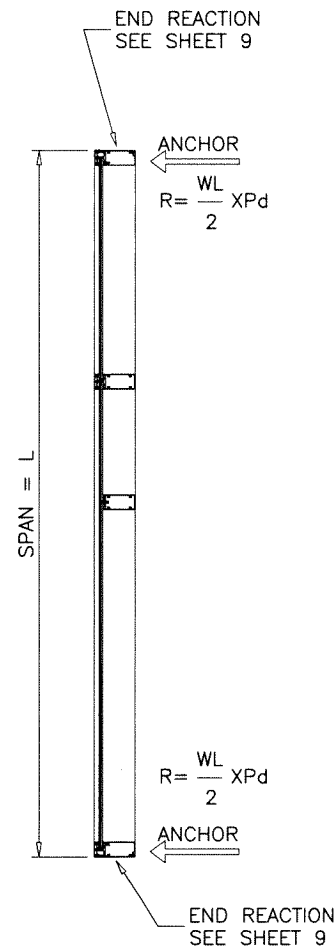
9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173 (C

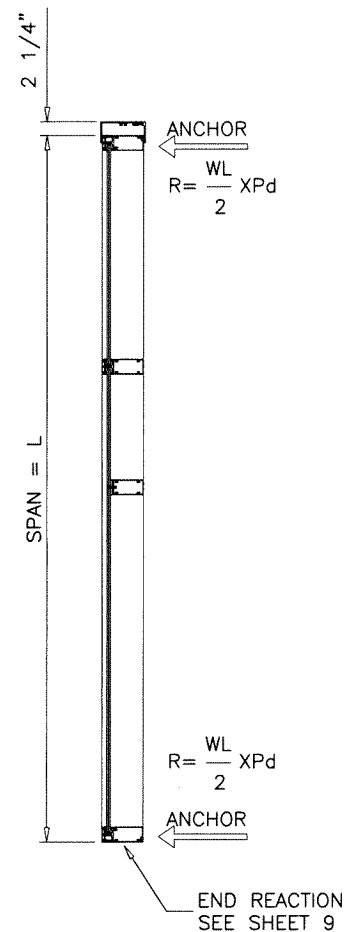
TEL. (305) 264-8100

(C.A.N. 3538)

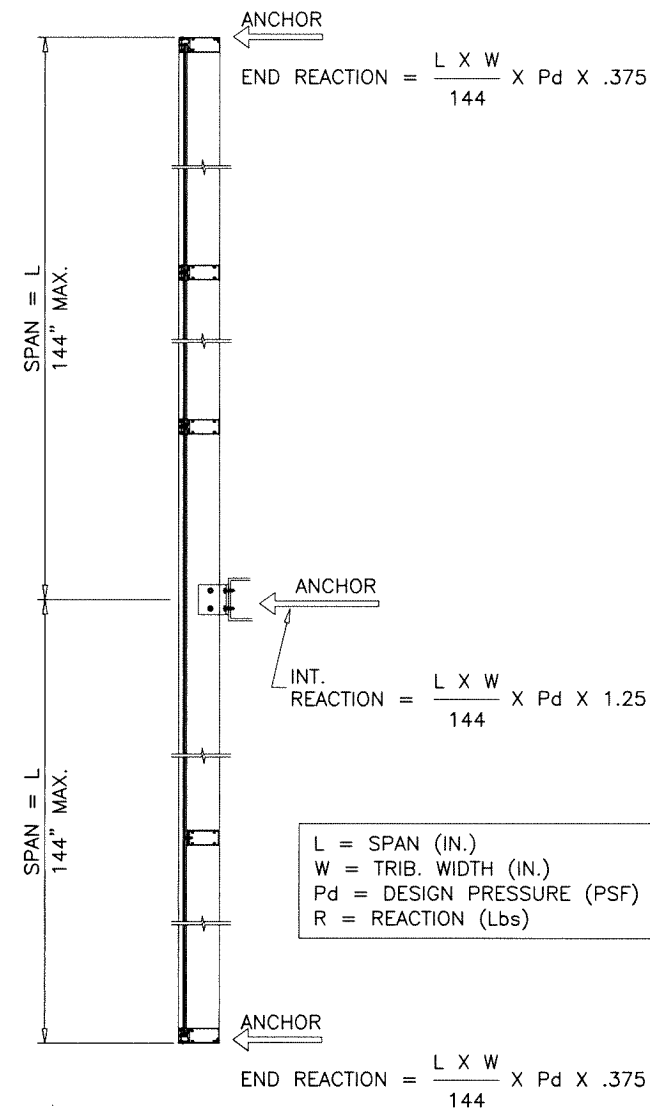
COMP-ANL\18-33F-TG



SINGLE SPAN
WITHOUT RECEPTOR



SINGLE SPAN
WITH RECEPTOR



DOUBLE SPANS
WITHOUT RECEPTOR

SEE CHART ON SHEET 8 FOR MULLION DESIGN LOAD CAPACITY.

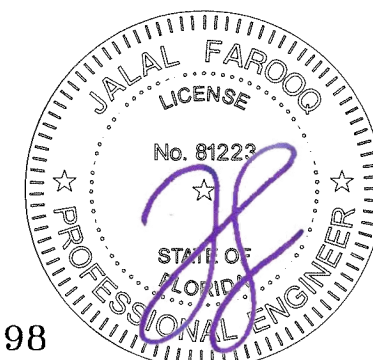
JAMB TYPES 'J1', 'J2', 'J3' AND MULLION TYPES 'M1', 'M2' & 'M3' APPROVED FOR SINGLE SPANS INSTALLATIONS ONLY.

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: 9/16/2026



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

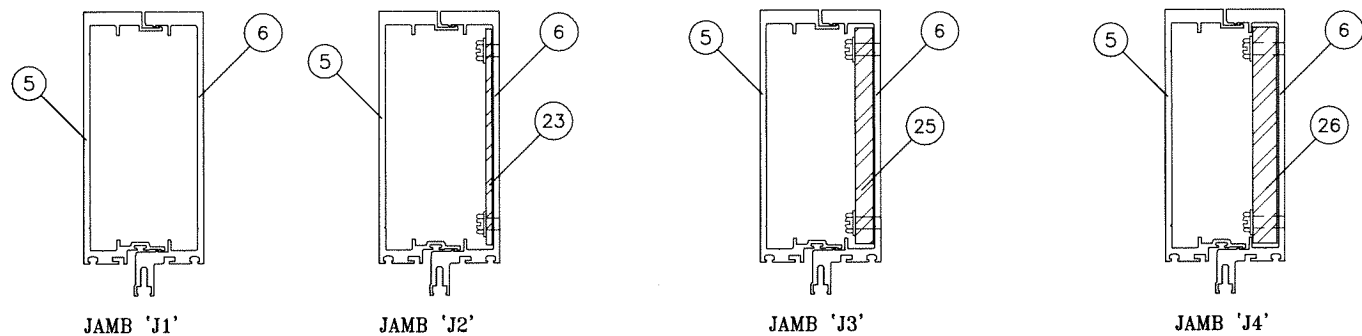
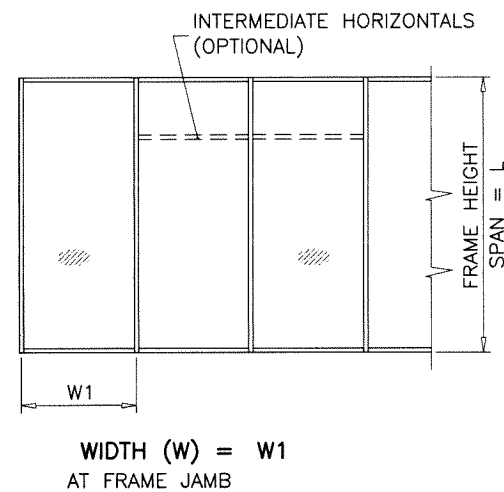
revisions:	
no	date by description

date: 06-27-18	scale: -	dr. by: TARIQ	chk. by:	drawing no. 18-33F
sheet 7 of 23				

JAMB LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3'	JAMB 'J4'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
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"		130.0	130.0	130.0	130.0
58"		124.0	130.0	130.0	130.0
60"		119.9	130.0	130.0	130.0
66"		109.0	130.0	130.0	130.0
72"		99.9	130.0	130.0	130.0
78"		92.2	130.0	130.0	130.0
84"		85.6	130.0	130.0	130.0
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"		129.2	130.0	130.0	130.0
54"		114.8	130.0	130.0	130.0
58"		106.9	130.0	130.0	130.0
60"		103.4	130.0	130.0	130.0
66"		94.0	130.0	130.0	130.0
72"		86.1	130.0	130.0	130.0
78"		79.5	130.0	130.0	130.0
30"	96"	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0
42"		128.5	130.0	130.0	130.0
48"		112.4	130.0	130.0	130.0
54"		99.9	130.0	130.0	130.0
58"		93.0	130.0	130.0	130.0
60"		89.9	130.0	130.0	130.0
66"	102"	-	130.0	130.0	130.0
72"		-	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"		-	130.0	130.0	130.0
58"	108"	-	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"	114"	-	130.0	130.0	130.0
58"		-	130.0	130.0	130.0
60"		-	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

JAMB LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3'	JAMB 'J4'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	126"	-	-	130.0	130.0
36"		-	-	130.0	130.0
42"		-	-	130.0	130.0
48"		-	-	130.0	130.0
54"		-	-	130.0	130.0
30"	132"	-	-	130.0	130.0
36"		-	-	130.0	130.0
42"		-	-	130.0	130.0
48"		-	-	130.0	130.0
54"		-	-	130.0	130.0
30"	138"	-	-	-	130.0
36"		-	-	-	130.0
42"		-	-	-	130.0
48"		-	-	-	130.0
30"	144"	-	-	-	130.0
36"		-	-	-	130.0
42"		-	-	-	130.0
48"		-	-	-	130.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



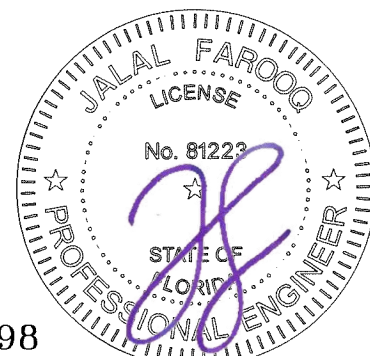
Ix IN ⁴	Sx IN ³		Ix IN ⁴	Sx IN ³		Ix IN ⁴	Sx IN ³		Ix IN ⁴	Sx IN ³
11.7355	3.8891	ALUMINUM	11.7355	3.8891	ALUMINUM	11.7355	3.8891	ALUMINUM	11.7355	3.8891
		STEEL	.9492	.4219	STEEL	2.8477	1.2656	STEEL	3.7969	1.6875
		TOTAL			TOTAL			TOTAL		
		Ix ALUM + Ix STL X 2.9	14.4609		Ix ALUM + Ix STL X 2.9	19.9119		Ix ALUM + Ix STL X 2.9	22.6374	

JAMB TYPES 'J1', 'J2', 'J3' APPROVED FOR SINGLE SPANS INSTALLATIONS ONLY.

JAMB TYPE 'J4' 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".

FL #27598



Sealed: 9/16/2026

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	description

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

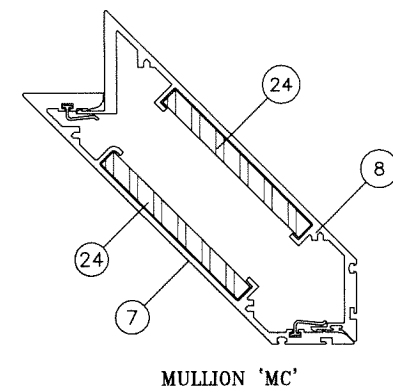
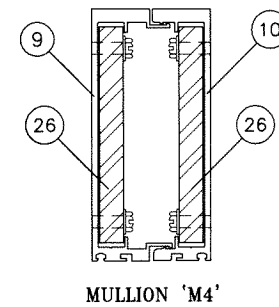
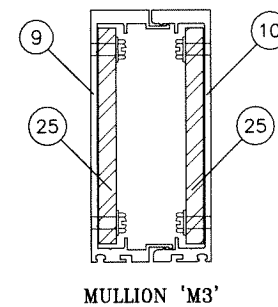
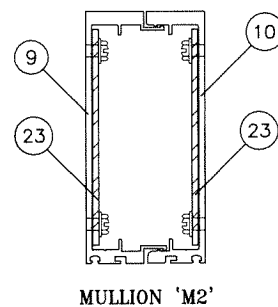
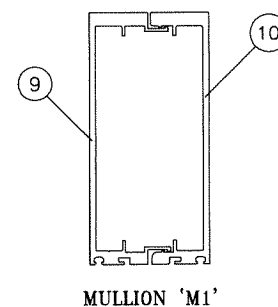
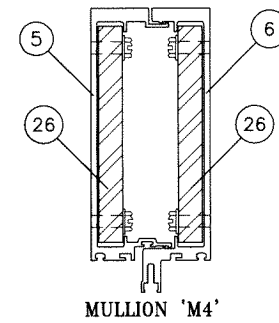
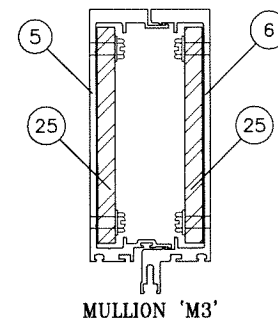
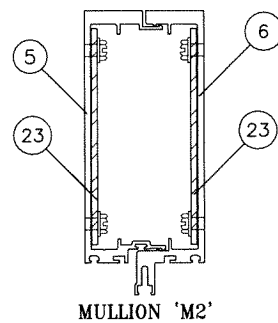
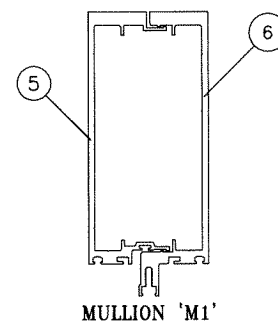
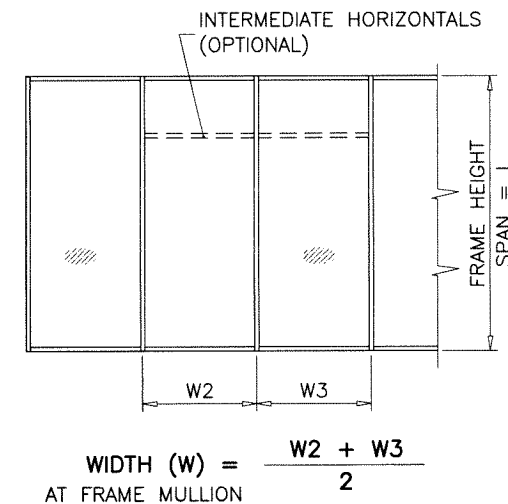
drawing no. **18-33F**

sheet **8** 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"	96"	106.9	129.8	130.0	130.0	130.0
60"		103.4	125.5	130.0	130.0	130.0
66"		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"	102"	112.4	130.0	130.0	130.0	130.0
54"		99.9	122.5	130.0	130.0	130.0
58"		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"	108"	-	130.0	130.0	130.0	130.0
48"		-	122.1	130.0	130.0	130.0
54"		-	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"	114"	-	124.5	130.0	130.0	130.0
48"		-	108.9	130.0	130.0	130.0
54"		-	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"	120"	-	-	130.0	130.0	130.0
48"		-	-	130.0	130.0	130.0
54"		-	-	130.0	130.0	130.0
58"		-	-	130.0	130.0	130.0
60"		-	-	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
30"	144"	-	-	-	130.0	130.0
36"		-	-	-	115.7	130.0
42"		-	-	-	99.2	130.0
48"		-	-	-	86.8	130.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



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.

Sealed: 9/16/2026



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".

FL #27598

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

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revisions:

no	date	by	description

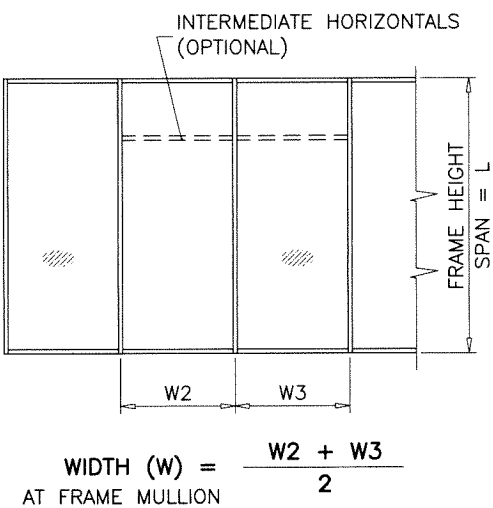
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drawing no. **18-33F**

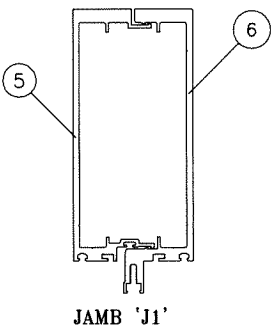
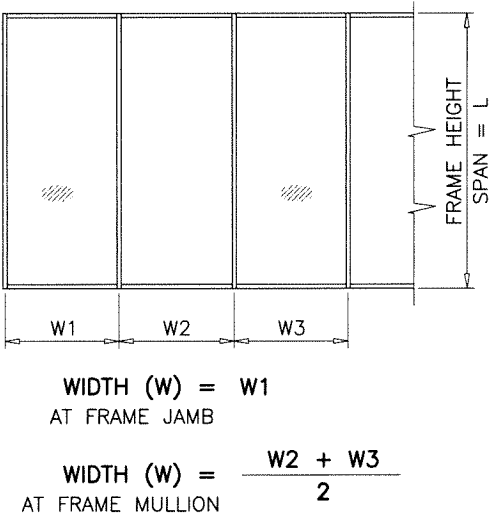
sheet **8.1** of **23**

JAMB AND MULLION LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J1'		MULLION 'M4'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	135"	54.5	59.0	54.5	59.0
36"		54.5	59.0	54.5	59.0
42"		54.5	59.0	54.5	59.0
48"		54.5	59.0	54.5	59.0
54"		54.5	59.0	54.5	59.0
58"		54.5	59.0	54.5	59.0
60"		54.5	59.0	54.5	59.0
66"		54.5	59.0	54.5	59.0
72"		54.5	59.0	54.5	59.0
78"		54.5	59.0	54.5	59.0
84"		54.5	59.0	54.5	59.0
85"		54.5	59.0	54.5	59.0

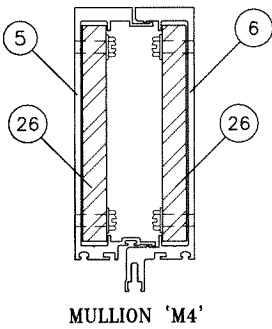
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



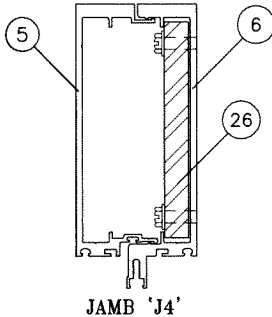
JAMB AND MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB 'J4'	MULL 'M3'	MULL 'M4'
WIDTH (W) MAX.	FRAME HEIGHT MAX.	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
54"	120"	60.0	60.0	60.0
58"		60.0	60.0	60.0
60"		60.0	60.0	60.0
66"		60.0	60.0	60.0
72"		60.0	60.0	60.0
78"		60.0	60.0	60.0
84"		60.0	60.0	60.0
54"	132"	60.0	60.0	60.0
58"		60.0	60.0	60.0
60"		60.0	60.0	60.0
66"		60.0	60.0	60.0
72"		60.0	60.0	60.0
78"		60.0	60.0	60.0
84"		60.0	60.0	60.0
54"	144"	60.0	60.0	60.0
58"		60.0	60.0	60.0
60"		60.0	60.0	60.0
66"		60.0	60.0	60.0
72"		50.0	50.0	50.0



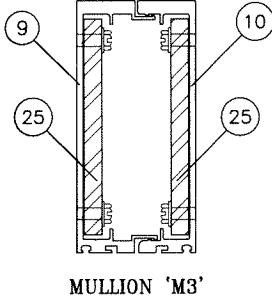
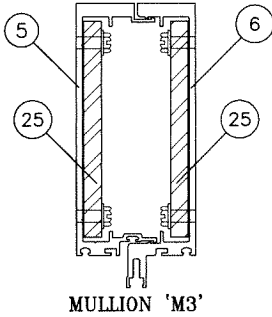
Ix IN^4	Sx IN^3
11.7355	3.8891



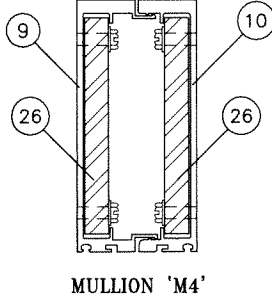
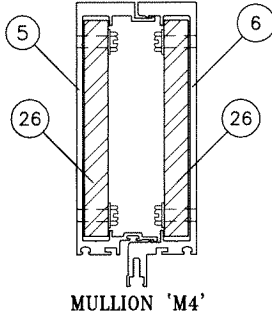
	Ix IN^4	Sx IN^3
ALUMINUM	11.7355	3.8891
STEEL	7.5938	3.3750
TOTAL Ix ALUM + Ix STL X 2.9	33.5395	



	Ix IN^4	Sx IN^3
ALUMINUM	11.7355	3.8891
STEEL	3.7969	1.6875
TOTAL Ix ALUM + Ix STL X 2.9	22.6374	



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



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

JAMB TYPE 'J4' AND MULLION TYPES 'M3', 'M4' APPROVED FOR SINGLE SPANS INSTALLATIONS ONLY.

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"

JAMB TYPE 'J1' AND MULLION TYPE 'M4' APPROVED FOR SINGLE SPANS INSTALLATIONS ONLY.

CHART ABOVE SHOWS FRAME HEIGHTS FOR CURTAIN WALL WITHOUT HEAD RECEPTOR.

Sealed: 9/16/2026

FL #27598



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revisions:
no. date by description

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

drawing no.
18-33F
sheet **8.2** of **23**

COMP-ANL \ 18-33F-TG

18-33F

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: 9/16/2026



FL #27598

af c

AL-FAROOQ CORPORATION
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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: 9/16/2026



FL #27598

afcc

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

(c.a.n. 3538)

TEL. (305) 262-6978

FAX. (305) 264-8100

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

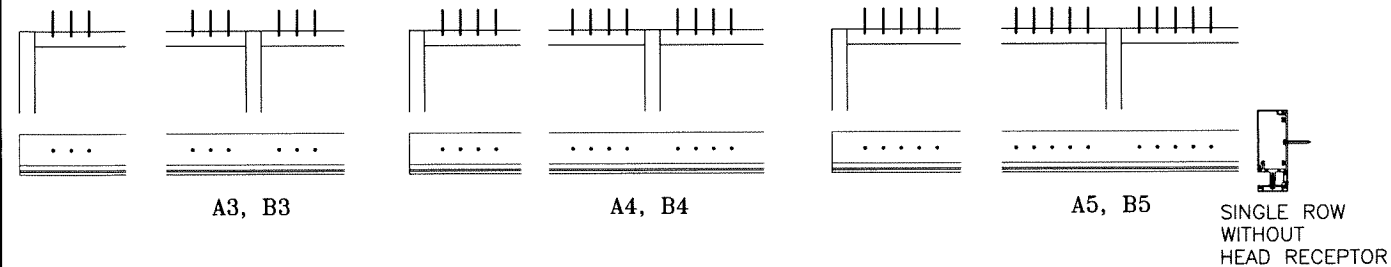
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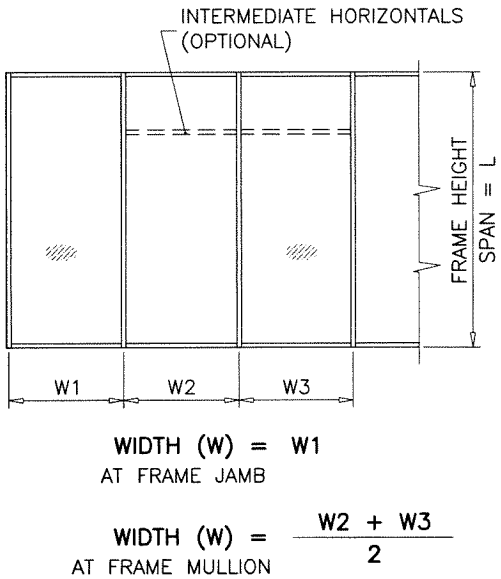
sheet 9.1 of 23

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: 9/16/2026



FL #27598

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

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

revisions:
no. date by description

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

drawing no.
18-33F
sheet 9.2 of 23

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (HEAD W/O RECEPTOR) EXT.(+) & INT.(–)																	
NOMINAL DIMS. WIDTH (W) FRAME HEIGHT		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					
		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
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	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
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
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
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
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
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
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
84"	90"	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
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
30"		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	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
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
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
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
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
72"	96"	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
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
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
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
30"		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	127.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	126.9	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
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
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
60"	102"	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
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
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
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
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
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
30"		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	119.6	130.0	130.0	130.0	130.0	130.0	130.0	130.0	119.4	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
54"	102"	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
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
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
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
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
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
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
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

CHART CONTINUES NEXT SHEET

Sealed: 9/16/2026



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

drawing no.
18-33F

sheet 10 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"	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: 9/16/2026



FL #27598

afcc

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

TEL. (305) 262-6978

FAX. (305) 262-6978

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:

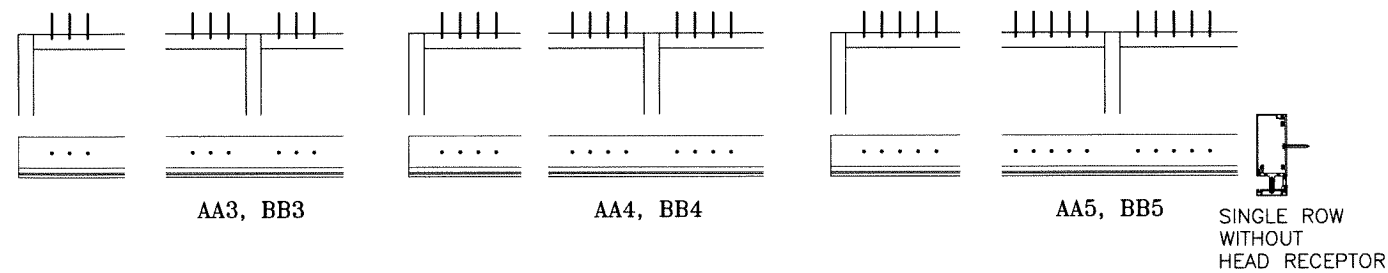
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18-33F

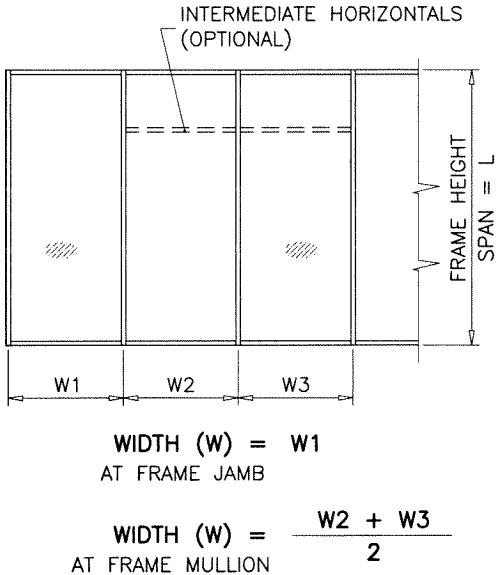
sheet 10.1 of 23

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"	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	60.0	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	60.0	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	

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



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.

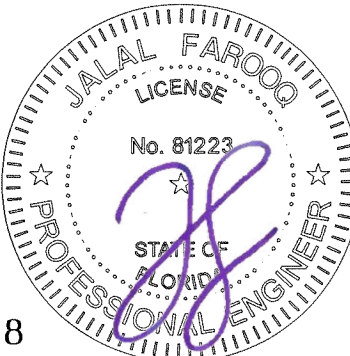
ANCHOR CL TO CL DISTANCE
INTO CONCRETE = 3" MIN.

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: 9/16/2026



FL #27598

af c

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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TEL: (305) 264-8100
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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 10.2 of 23

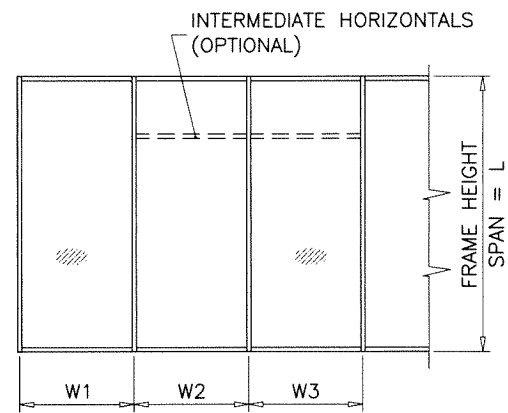
HEAD ANCHOR LOAD CAPACITY - PSF (W/ RECEPTOR) EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHORS TYPE 'AA'			ANCHORS 'BB'
WIDTH (W)	FRAME HEIGHT	AA3	AA4	AA5	BB3
30"	84"	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0
54"		117.0	130.0	130.0	130.0
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)

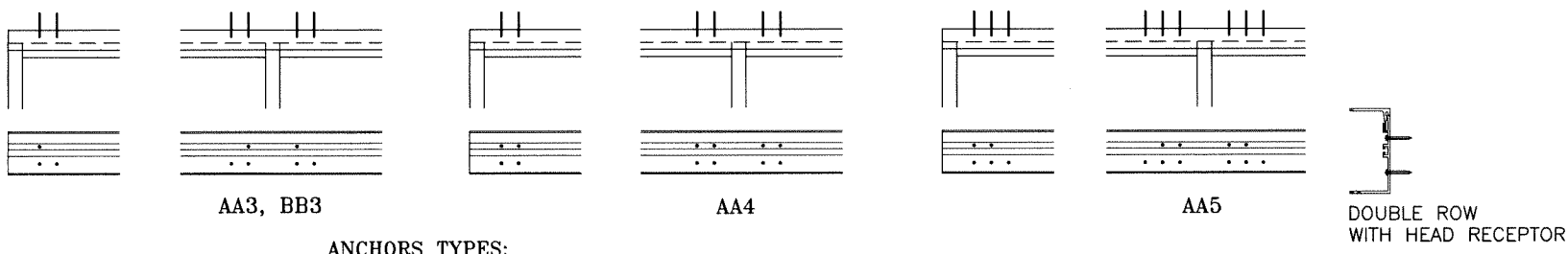
ANCHOR EDGE DISTANCES
INTO CONCRETE = 3" MIN.

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.



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



FL #27598

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

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

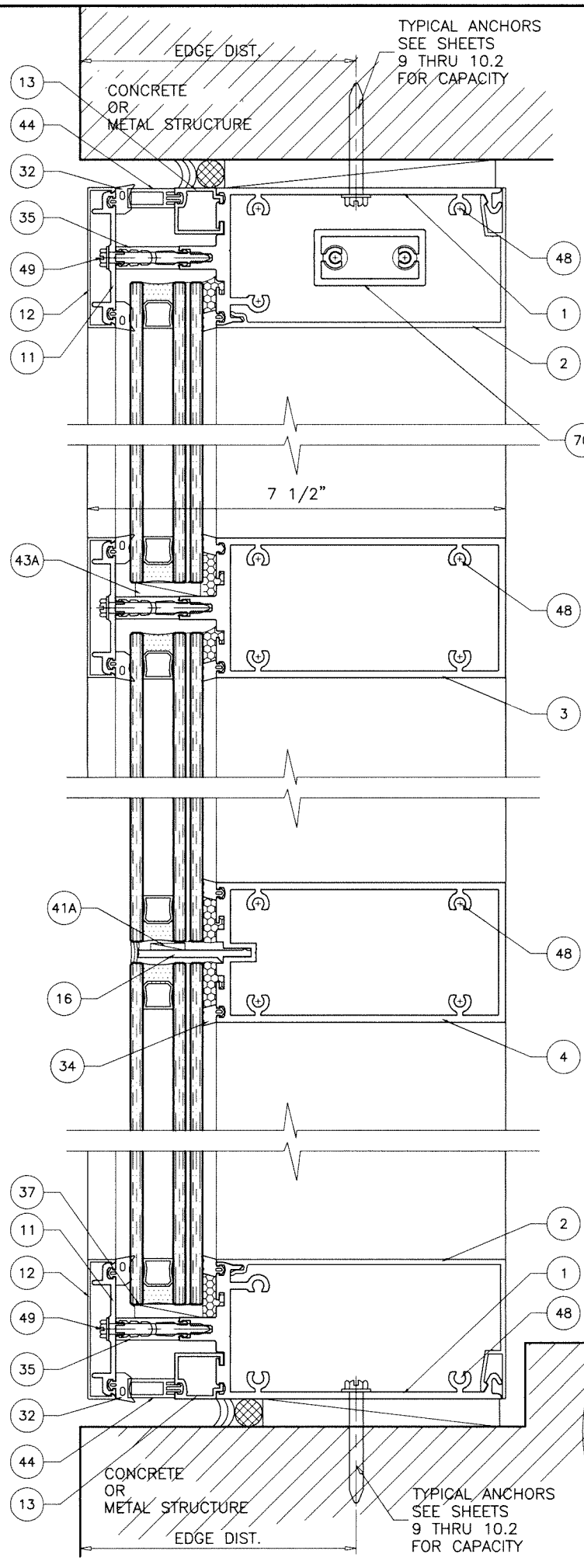
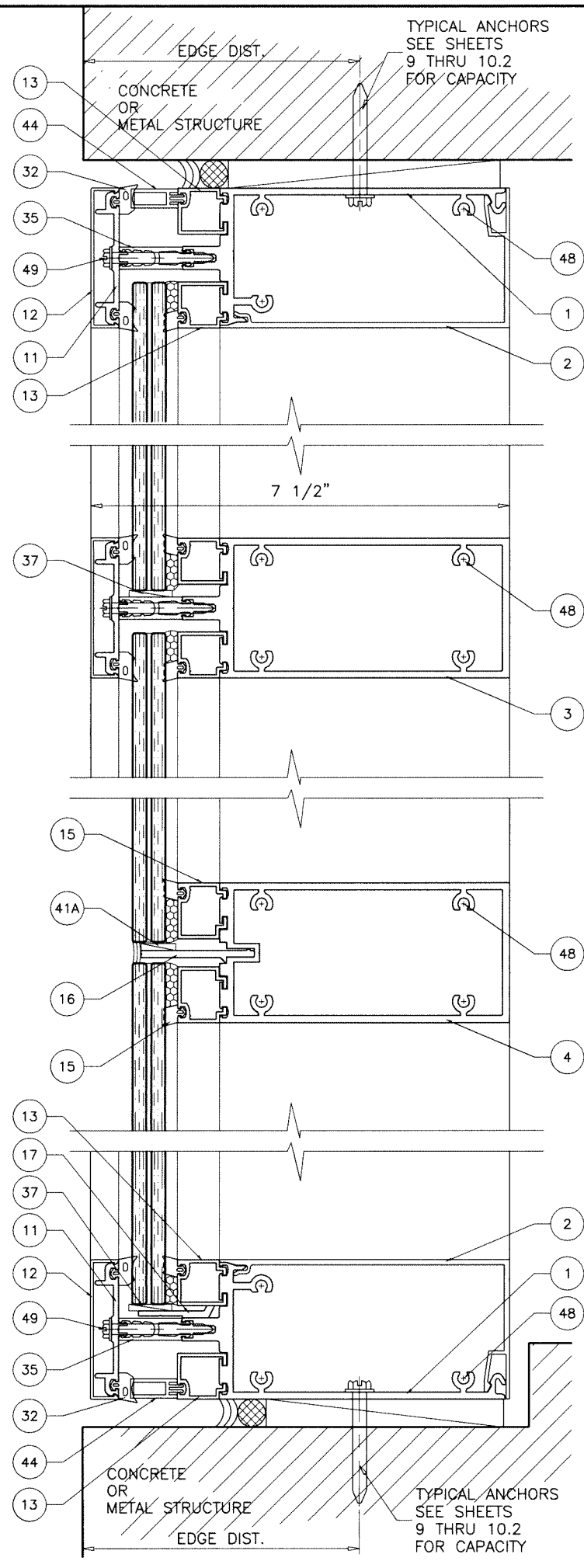
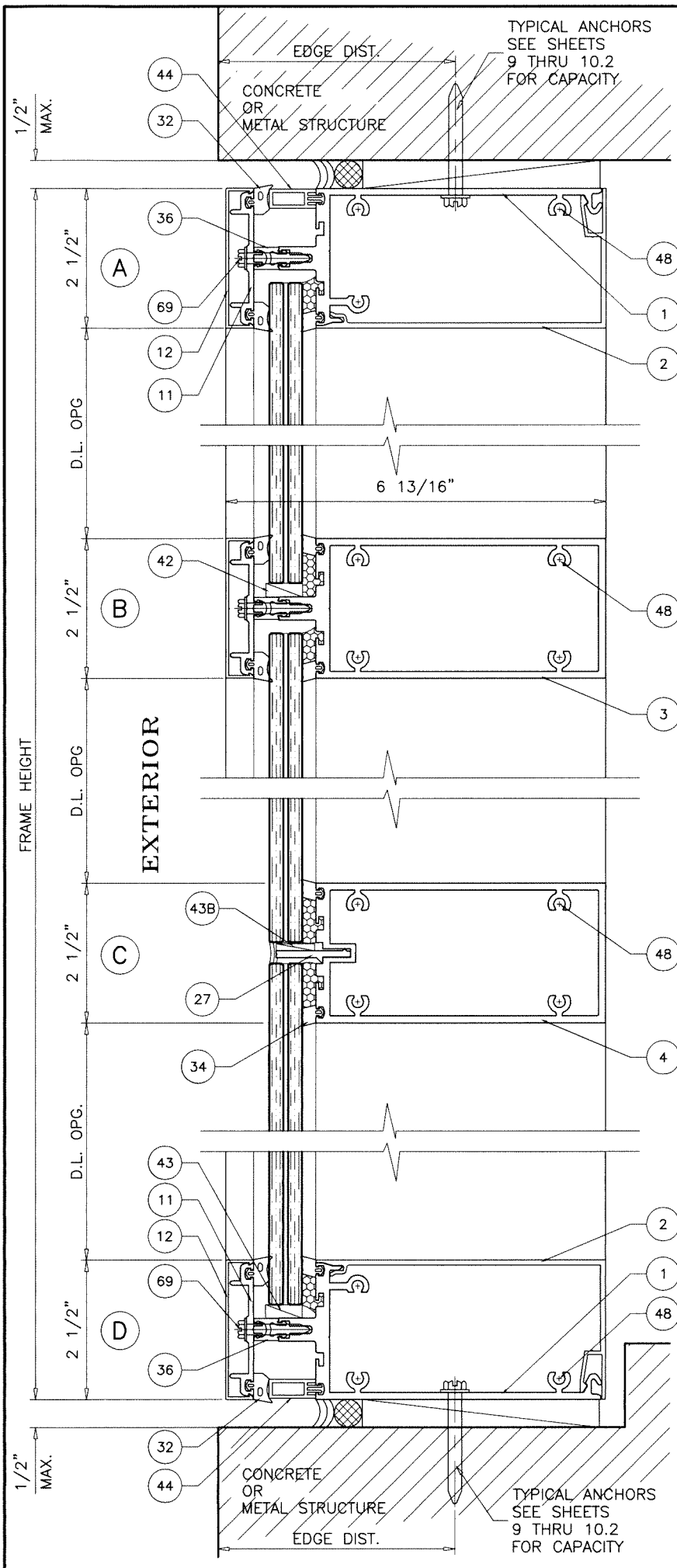
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

revisions:
no date by description

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

drawing no.
18-33F
sheet 10.3 of 23

COMP-ANL\18-33F-TG



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: 9/16/2026

FL #27598

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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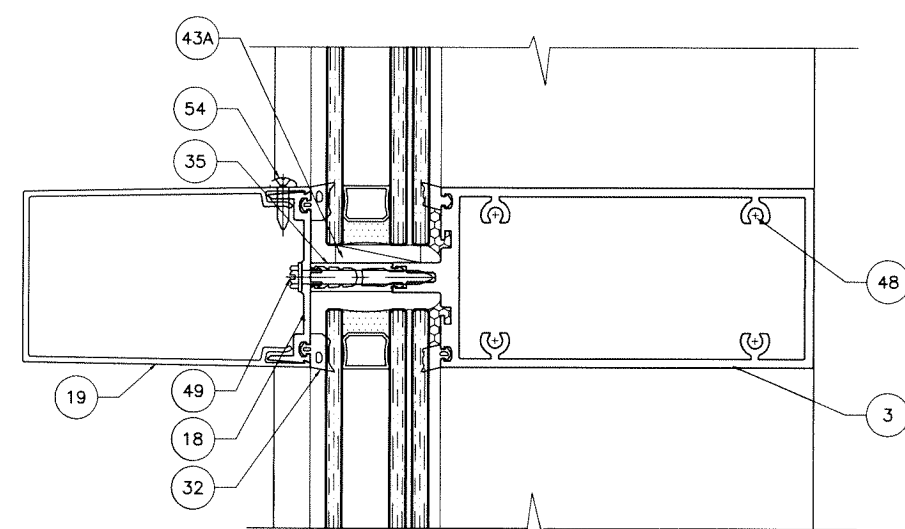
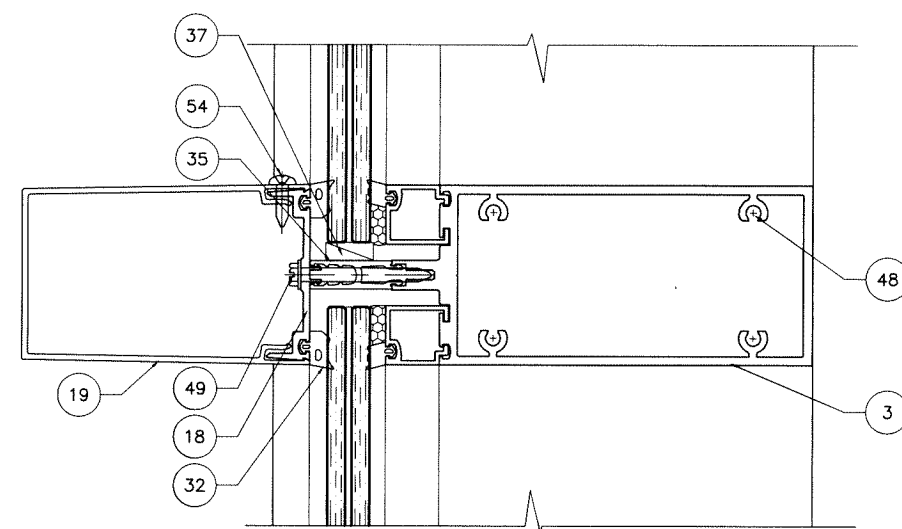
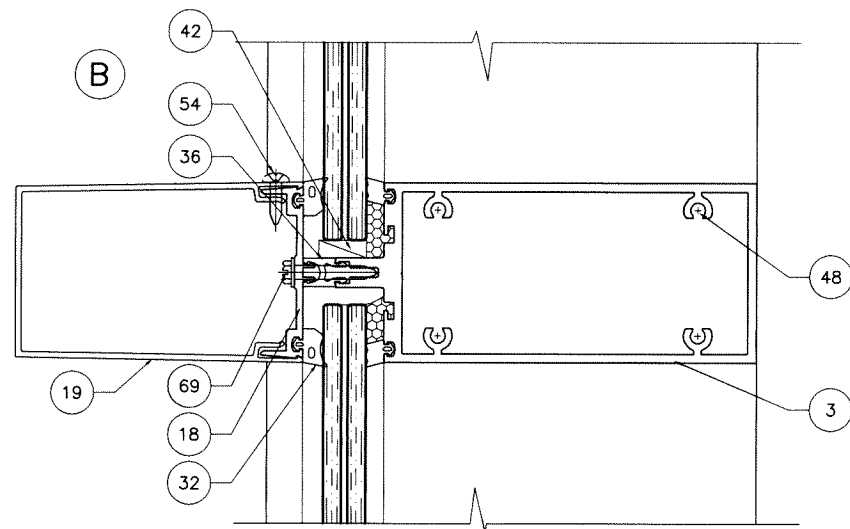
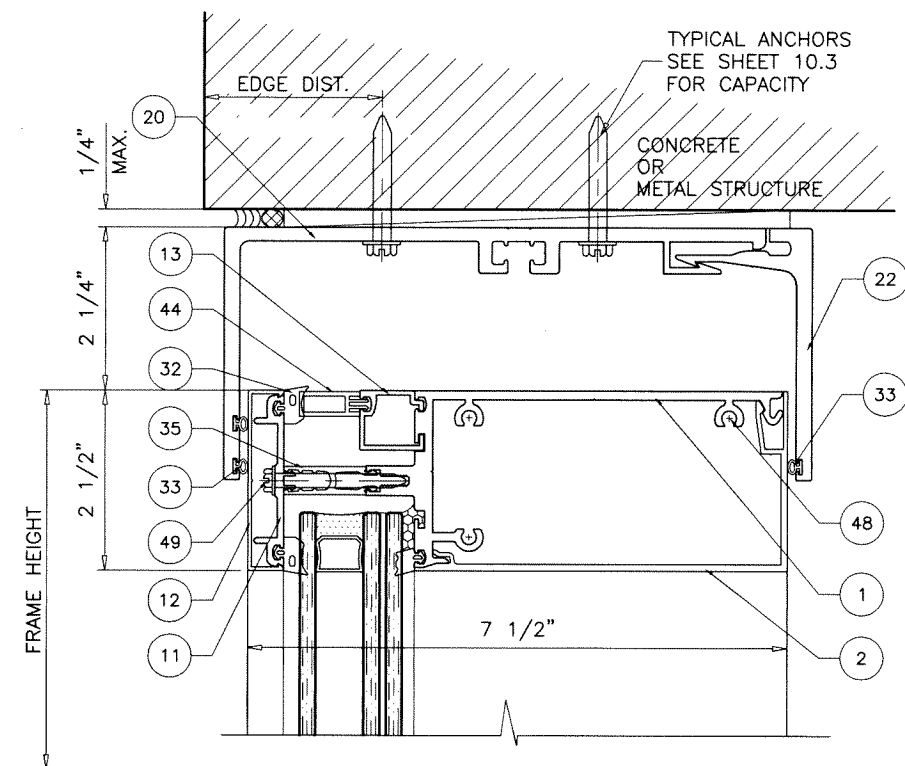
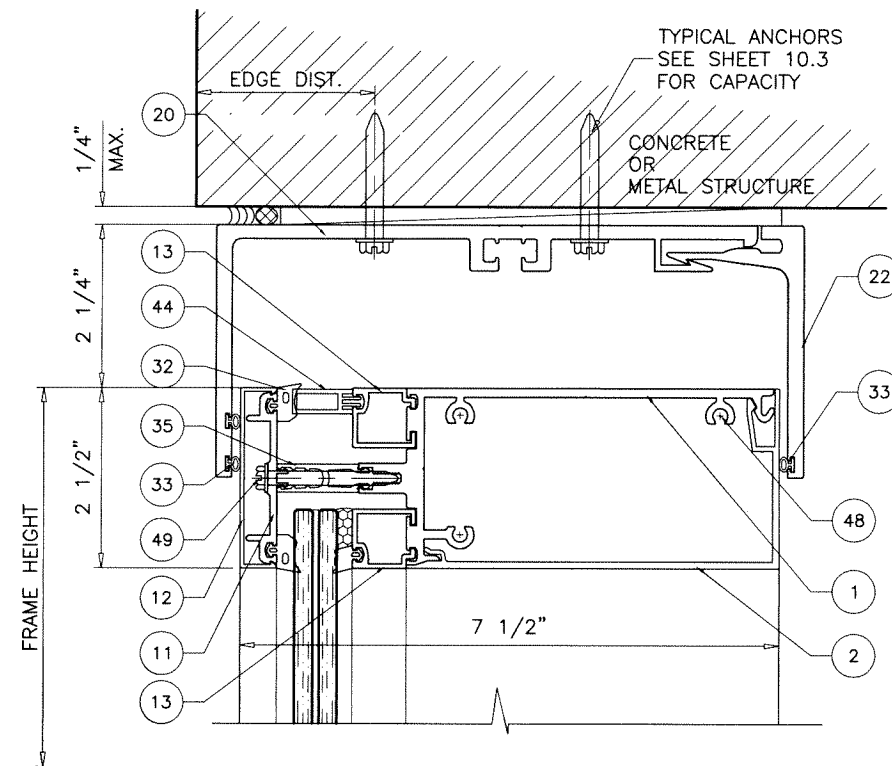
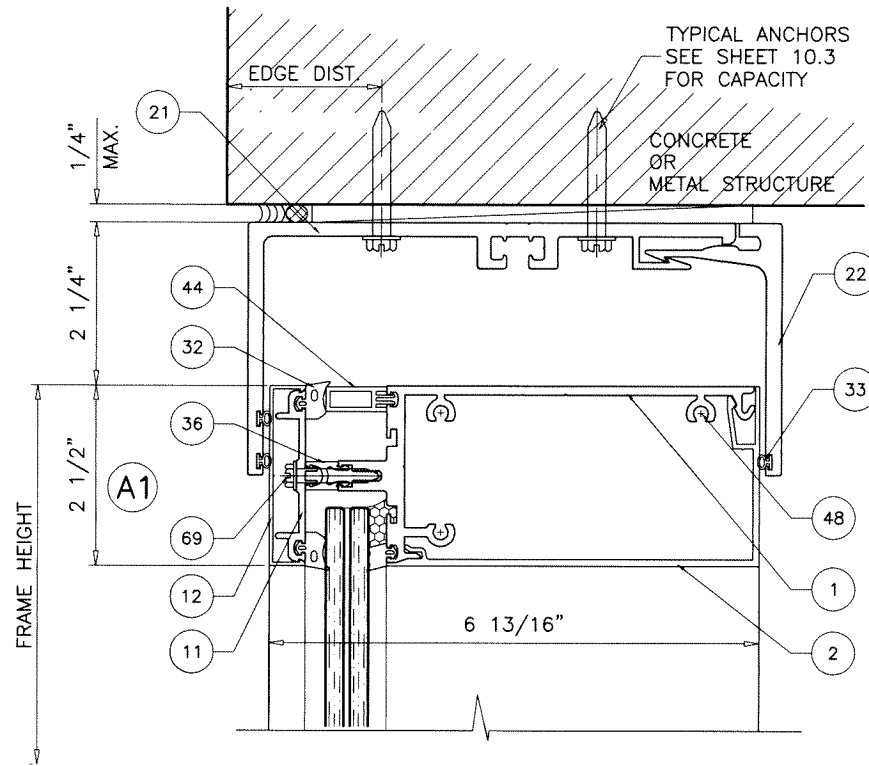
SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

revisions:	
no	date by description

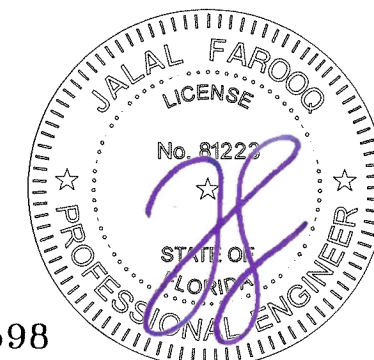
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drawing no. **18-33F**

sheet 11 of 23



Sealed: 9/16/2026



FL #27598

AL-FAROOQ CORPORATION
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SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)
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3550 N.W. 49 STREET
MIAMI, FL. 33142
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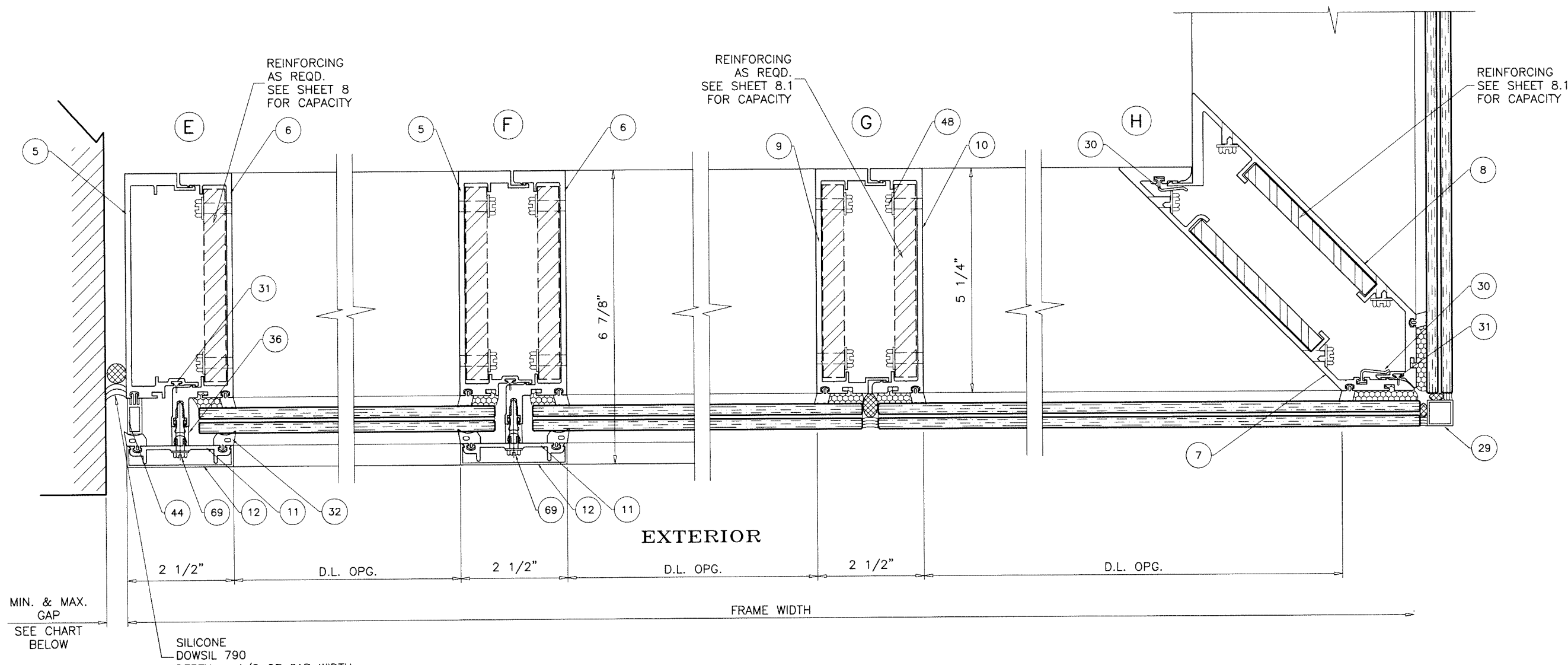
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18-33F

sheet 12 of 23

COMP-ANL 18-33F-TG

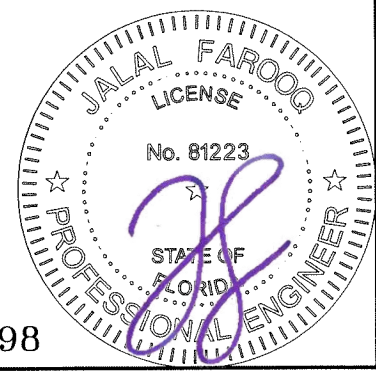


70
 FRAME JAMBS SECURED
 AT HEAD/SILL LOCATIONS
 USING SPACER TUBES AND
 #12 X 3/4" FH SCREWS
 2 PER SIDE
 REQD. ONLY FOR D.L.O. WIDTH
 OF 69-1/2" AND ABOVE

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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FL #27598

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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

18-33F

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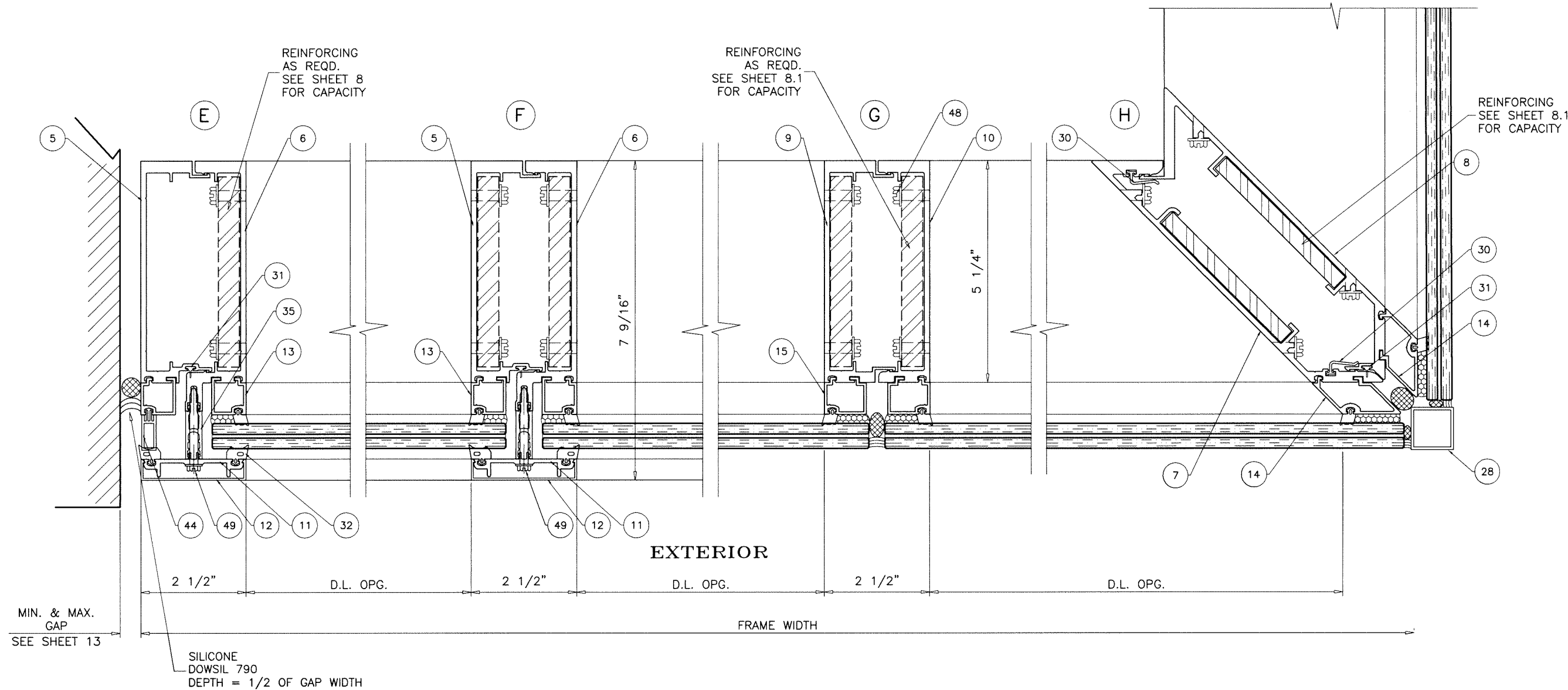
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18-33F

sheet 13 of 23



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FL #27598

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drawing no.
18-33F
sheet 14 of 23

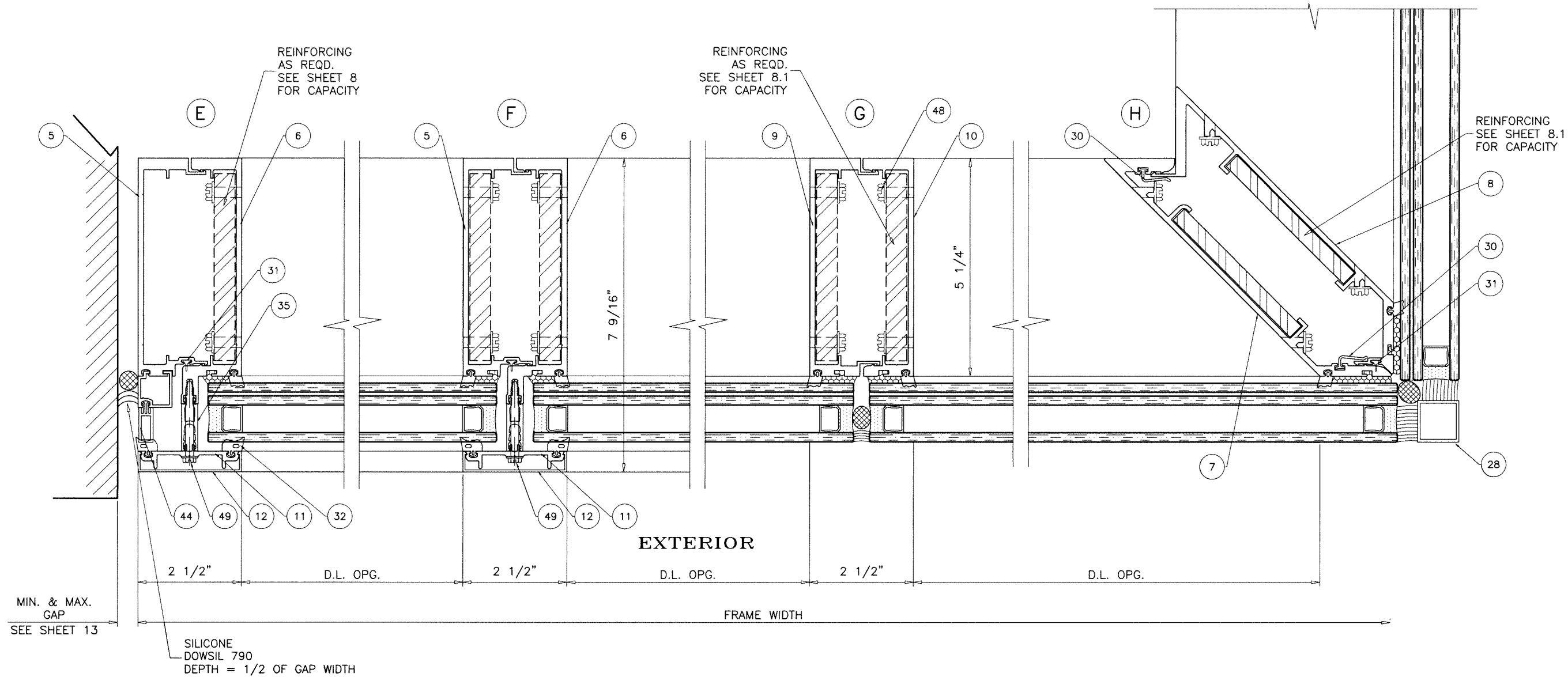
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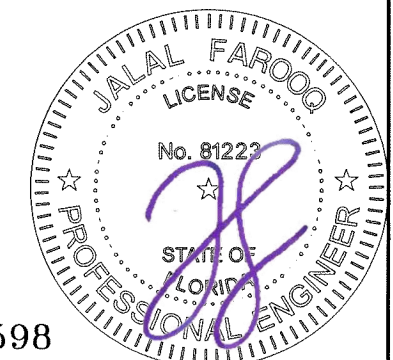
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dr. by: TARIQ

chk. by:



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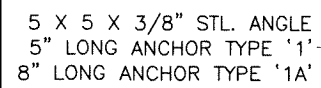
SERIES-5250 ALUMINUM CURTAIN WALL SYSTEM (L.M.I.)

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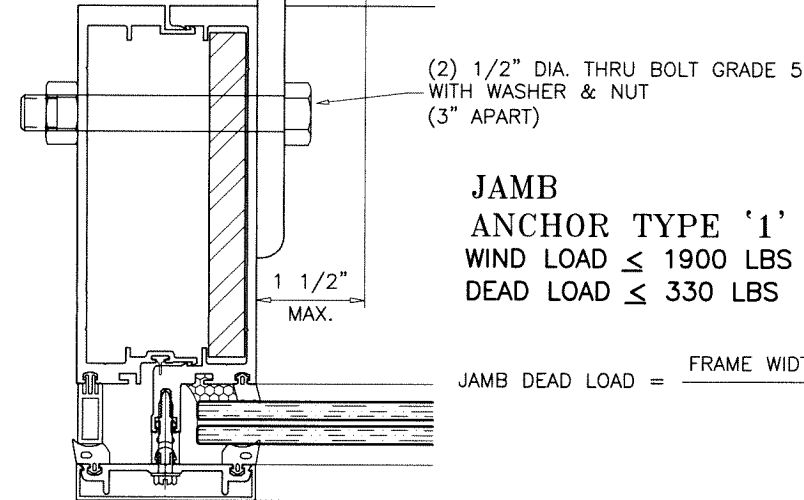
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drawing no.
18-33F
sheet 15 of 23

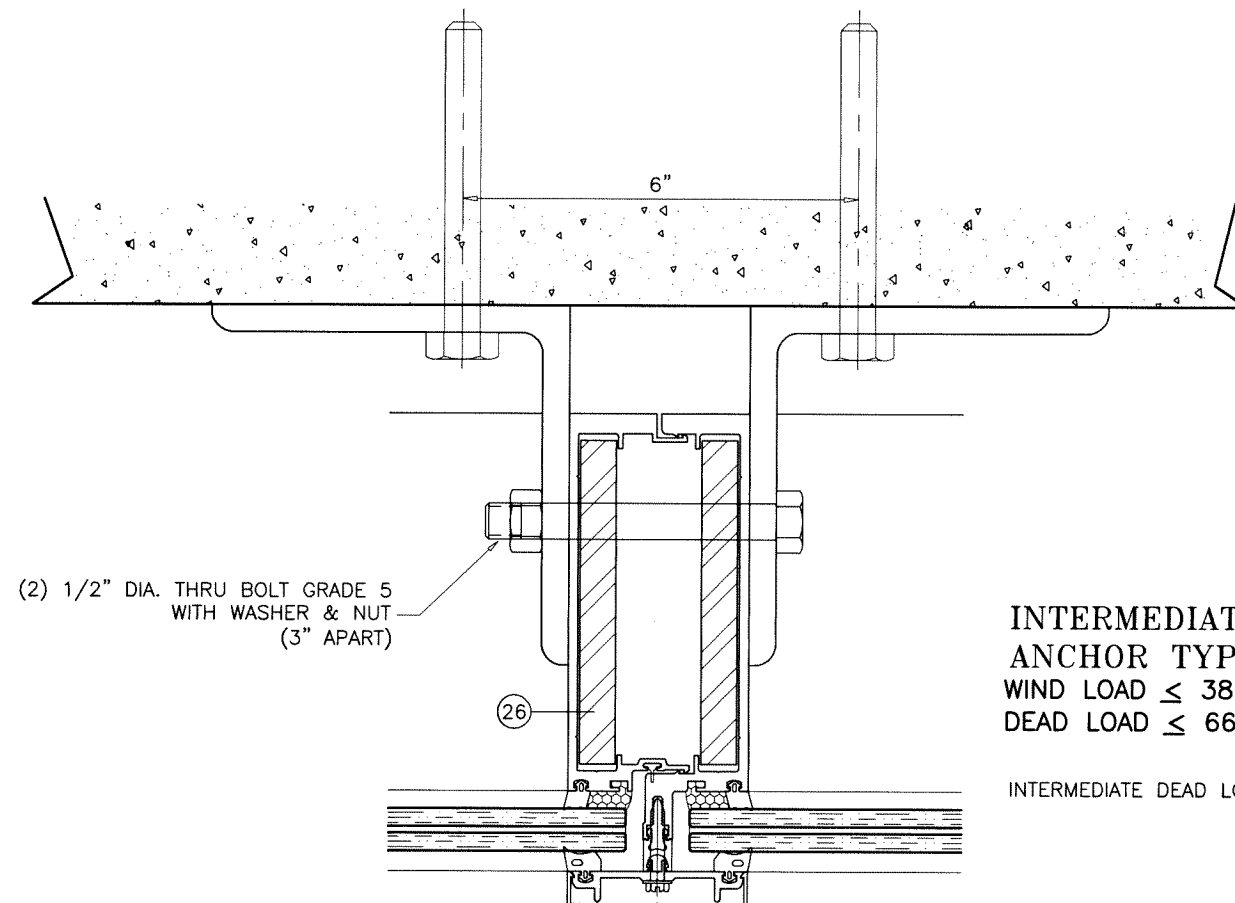


ANCHOR TYPE '1'
1/2" DIA. POWERS WEDGE-BOLT
1 PER ANGLE
4" MIN. EMBED
4" MIN. EDGE DIST.
OR
ANCHOR TYPE '1A'
1/2" DIA. SCREW-BOLT+ BY 'DEWALT'
2 PER ANGLE
4-1/4" MIN. EMBED
4" C/C SPACING
2" MIN. EDGE DIST.



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

DETAIL '4A'

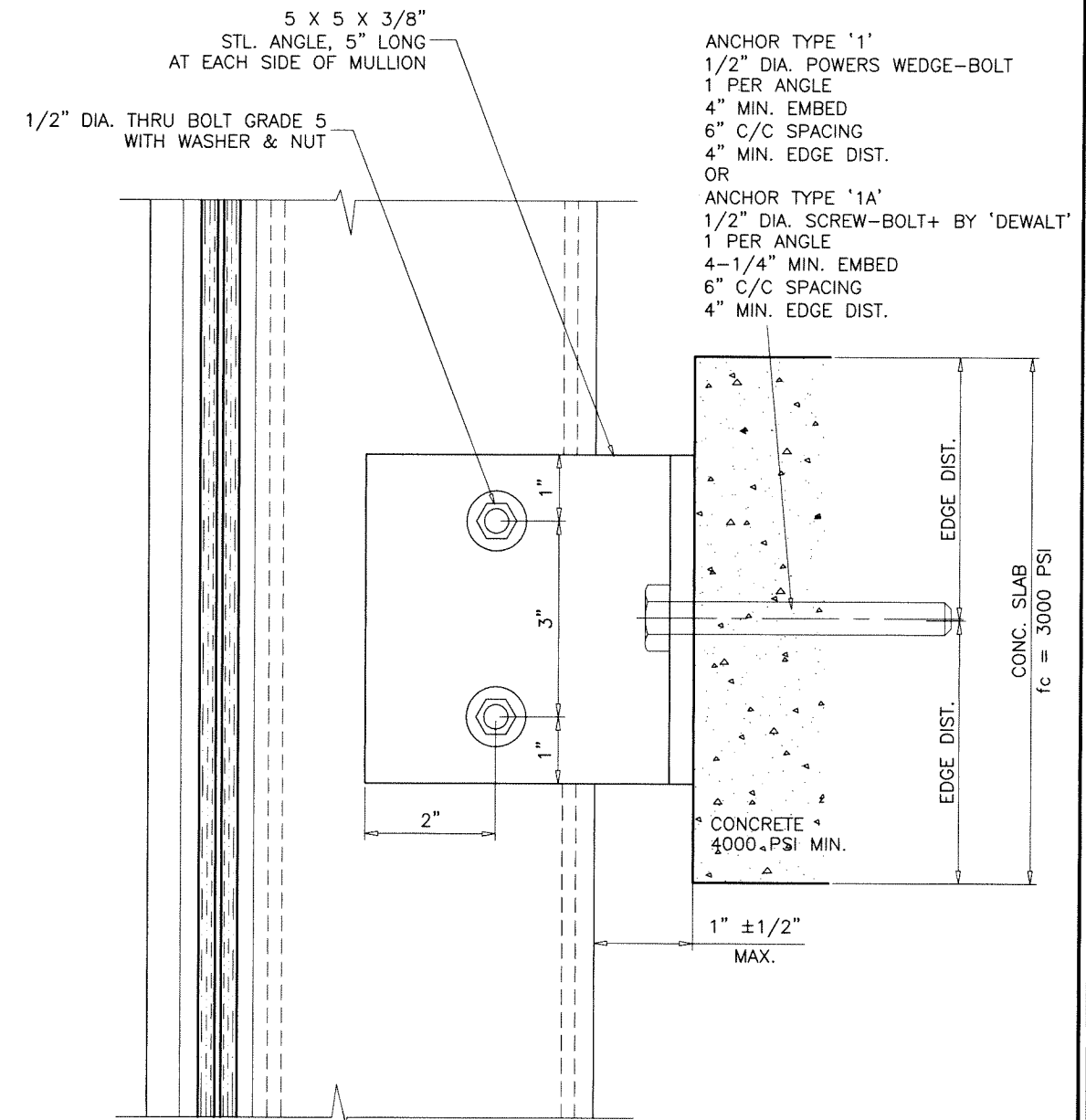


INTERMEDIATE
ANCHOR TYPE '1'
WIND LOAD $\leq$ 3800 LBS
DEAD LOAD $\leq$ 660 LBS

INTERMEDIATE
ANCHOR TYPE '1A'
WIND LOAD ≤ 4200 LBS
DEAD LOAD ≤ 550 LBS

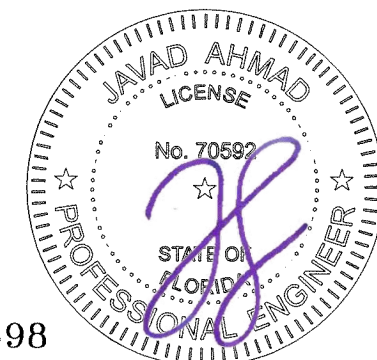
INTERMEDIATE DEAD LOAD = FRAME WIDTH (FT.) X FRAME HT. (FT.) X 11 PSF

MIDSPAN ANCHOR
INTO 4000 PSI MIN. CONCRETE



INTERMEDIATE ANCHORS

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date: 08-27-18	revisions:	
scale: 3/8" = 1"	no	by description
dr. by: TARIQ		
chk. by:		

drawing no.

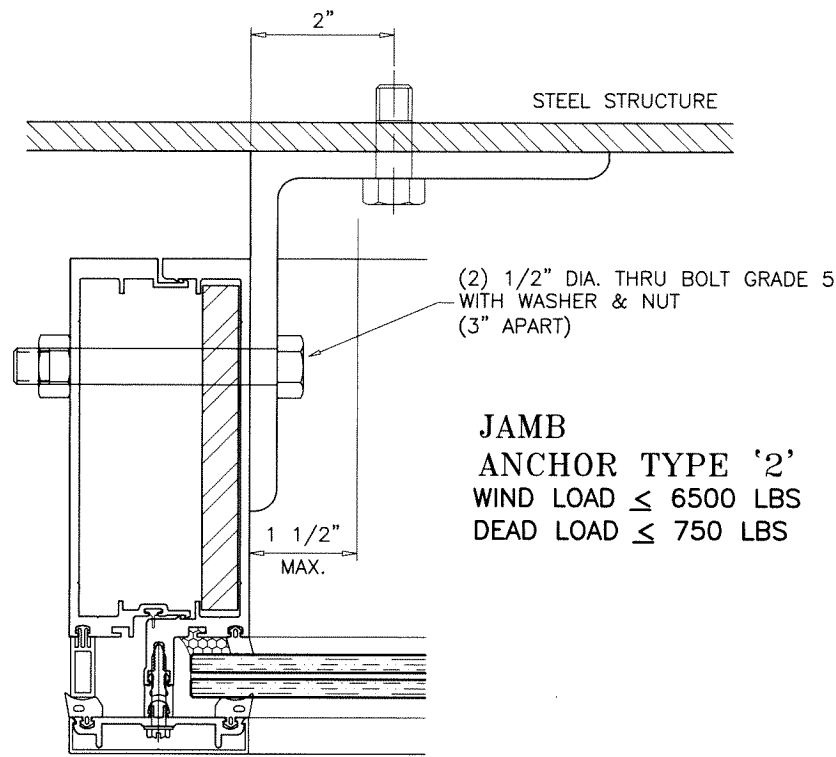
18-33F

sheet 16 of 23

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

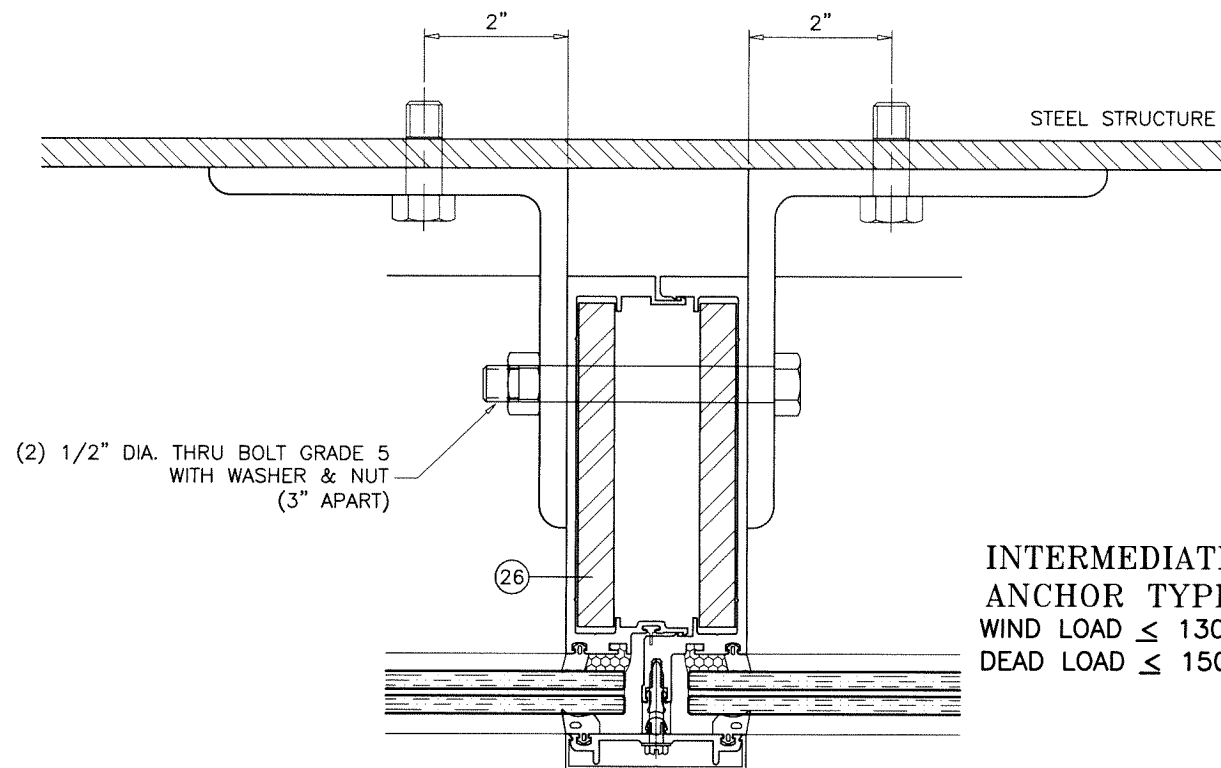
TECNOGLASS, LLC
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DETAIL '4A' (ALT.)

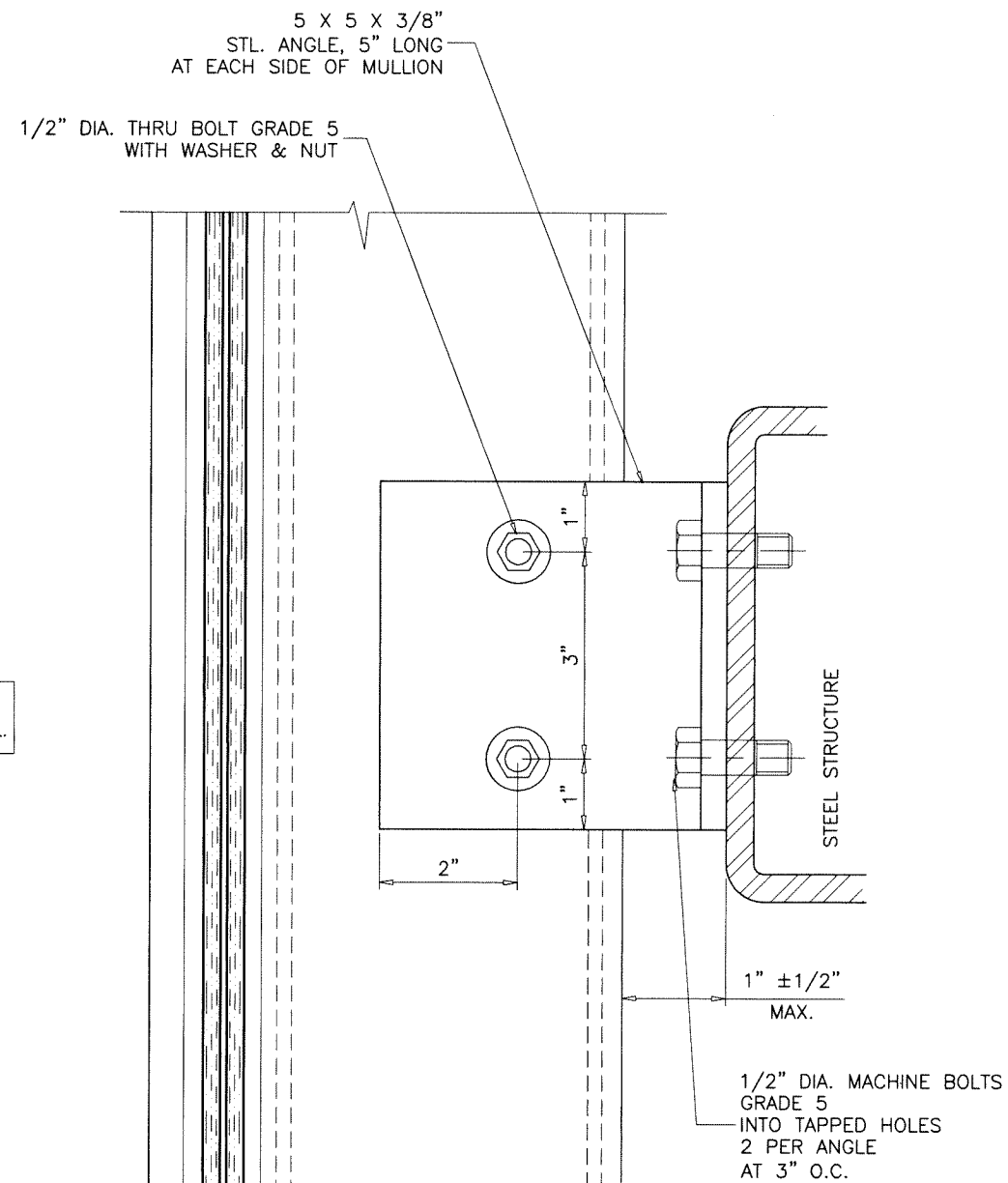
**JAMB
ANCHOR TYPE '2'**
WIND LOAD $\leq$ 6500 LBS
DEAD LOAD $\leq$ 750 LBS

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



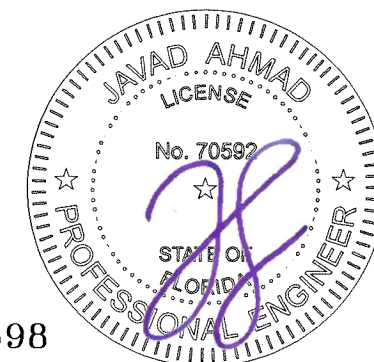
**INTERMEDIATE
ANCHOR TYPE '2'**
WIND LOAD $\leq$ 13000 LBS
DEAD LOAD $\leq$ 1500 LBS

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



INTERMEDIATE ANCHORS

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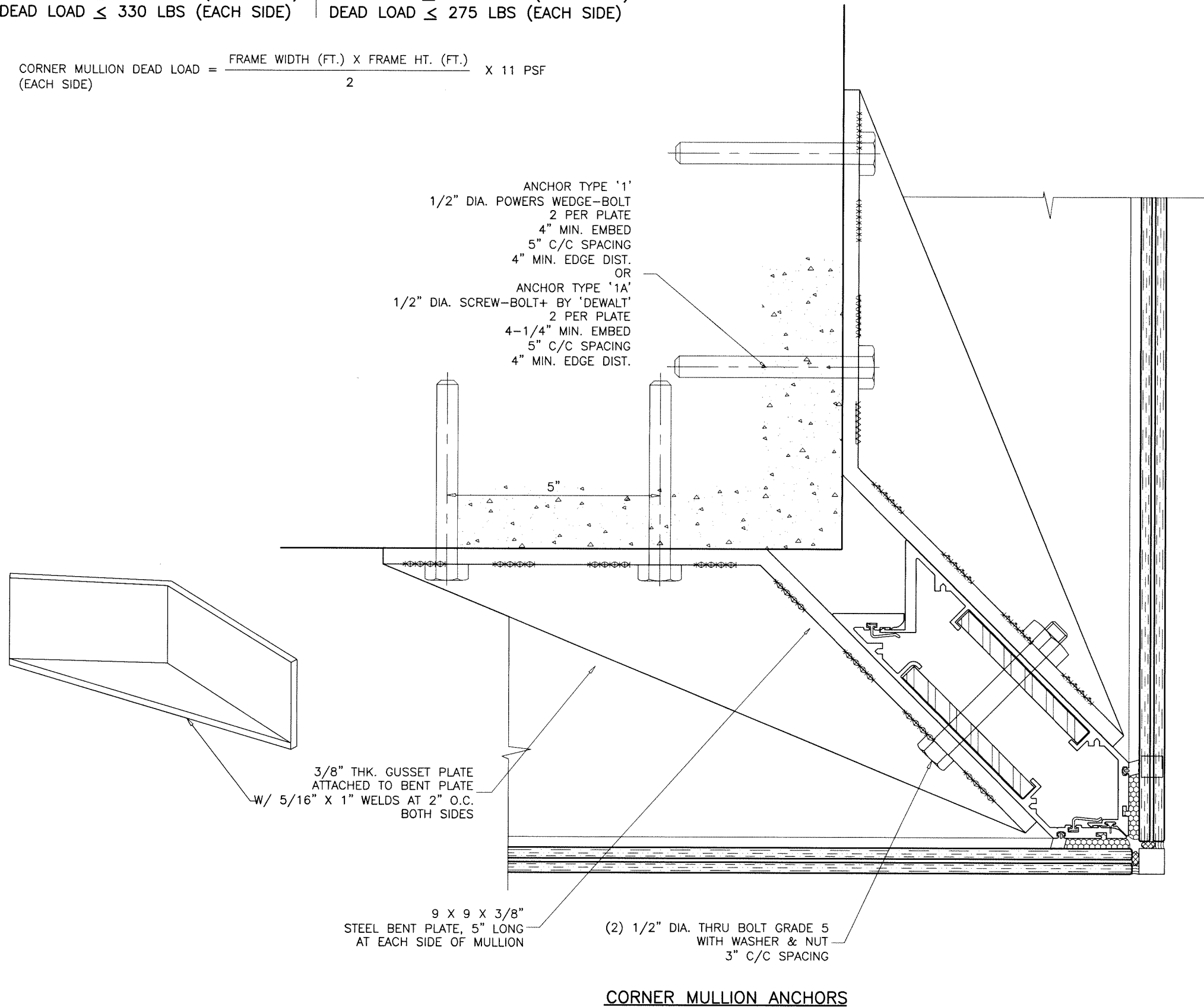
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drawing no.	18-33F	sheet 17 of 23	

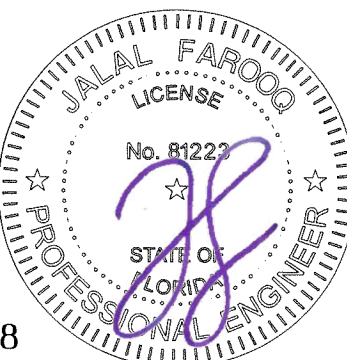
INTERMEDIATE
ANCHOR TYPE '1'
WIND LOAD $\leq$ 1900 LBS (EACH SIDE)
DEAD LOAD $\leq$ 330 LBS (EACH SIDE)

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

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



MIDSPAN ANCHOR
INTO 4000 PSI MIN. CONCRETE



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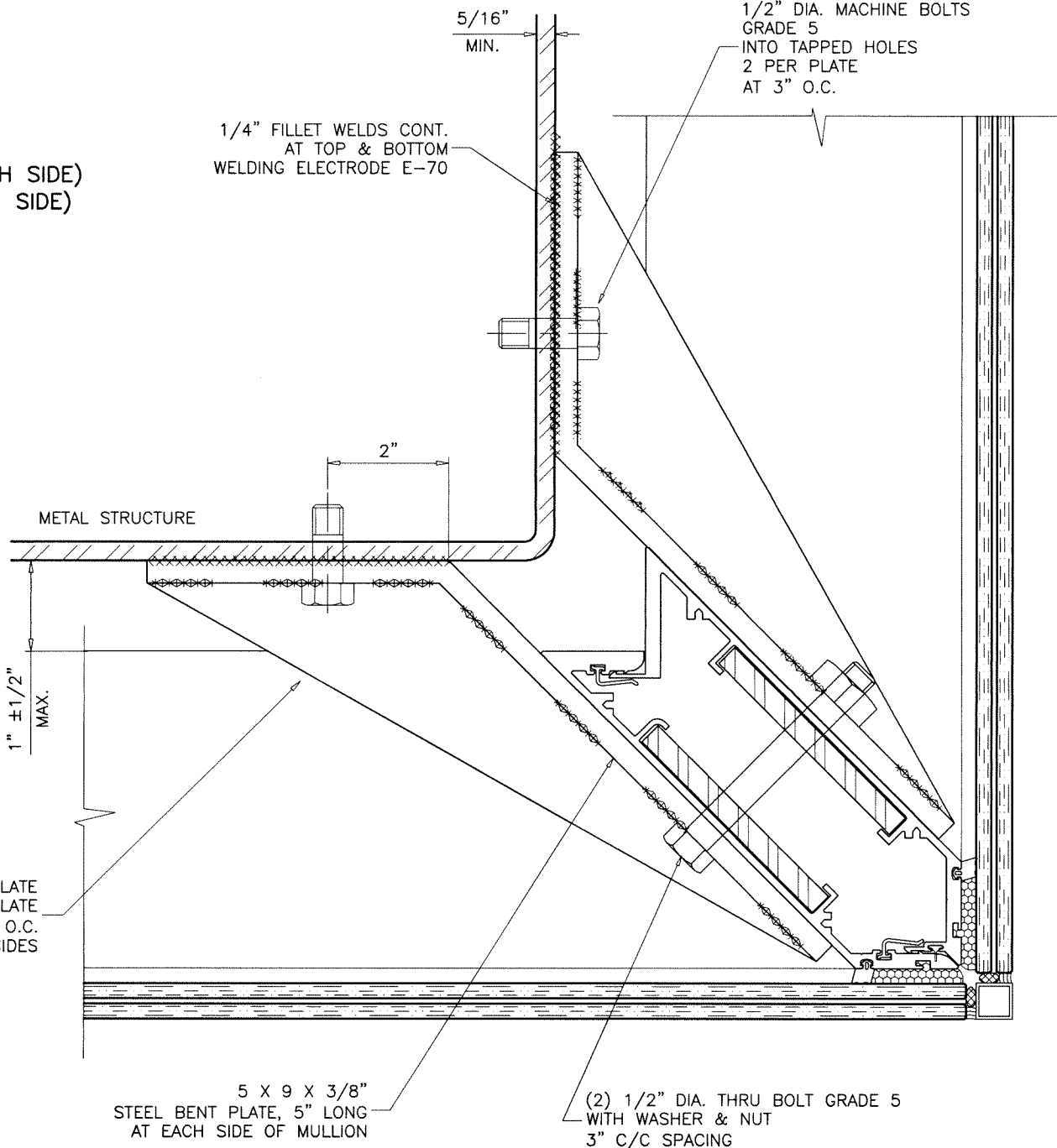
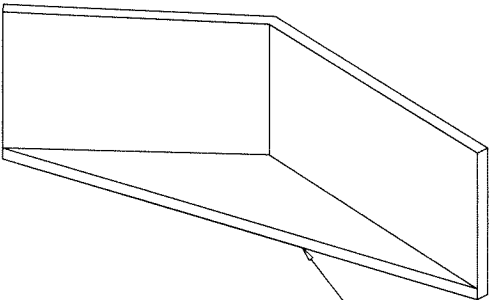
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drawing no.
18-33F
sheet 18 of 23

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

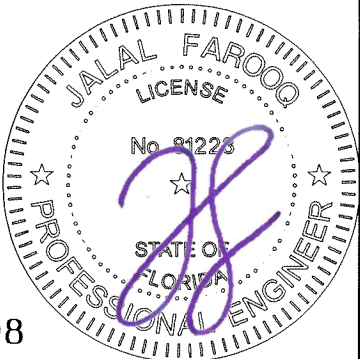


ALL WELDS = 1/4" FILLET, WELDING ELECTRODE E-70
EMBEDDED STEEL STUD IS NOT PART OF THIS APPROVAL.

CORNER MULLION ANCHORS

Sealed: 9/16/2026

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



FL #27598

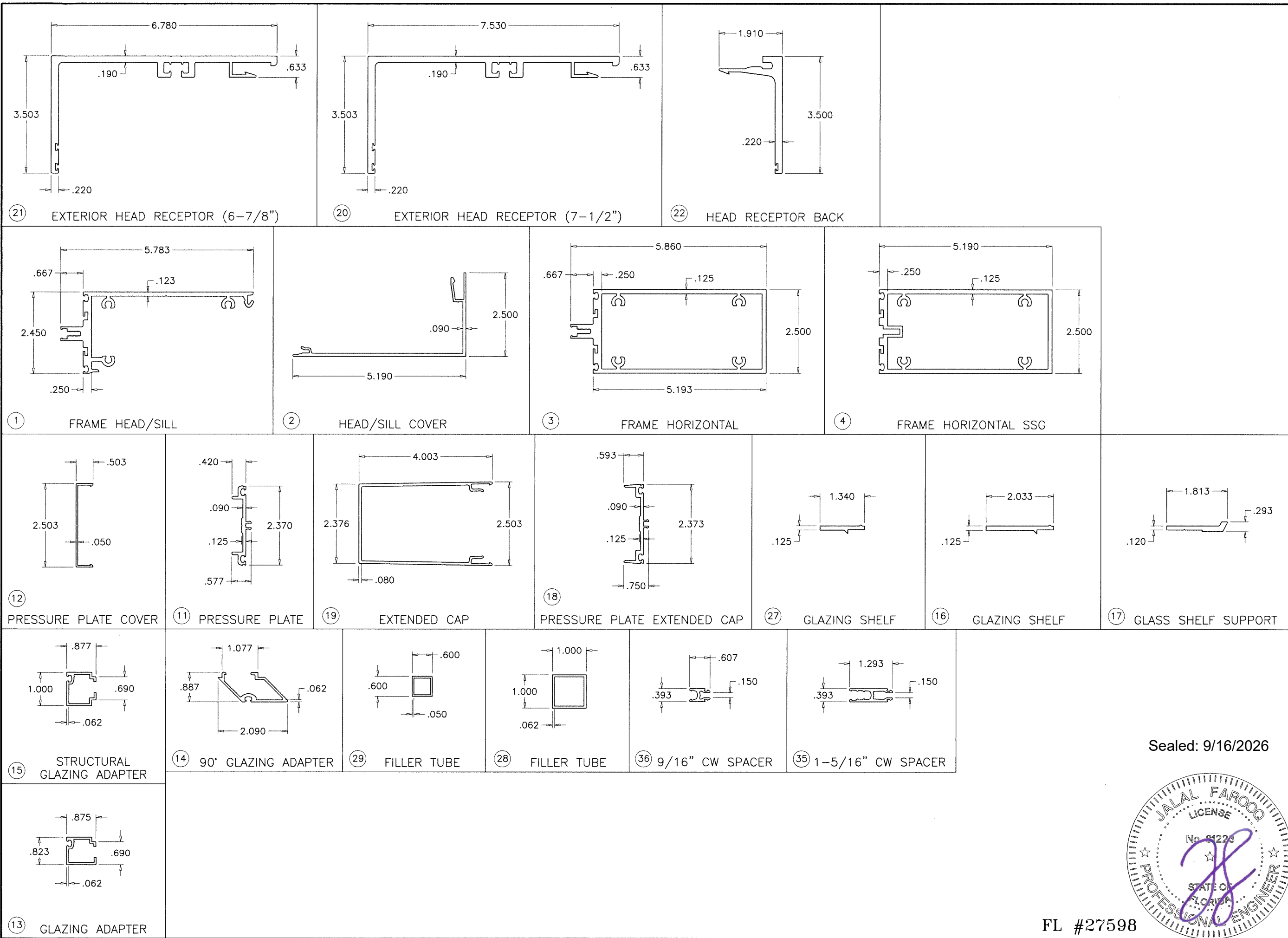
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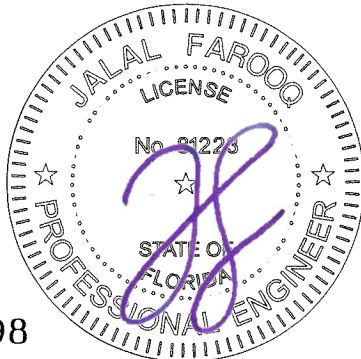
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sheet 19 of 23



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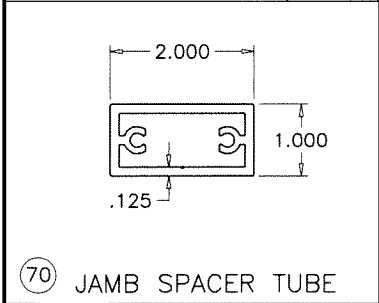
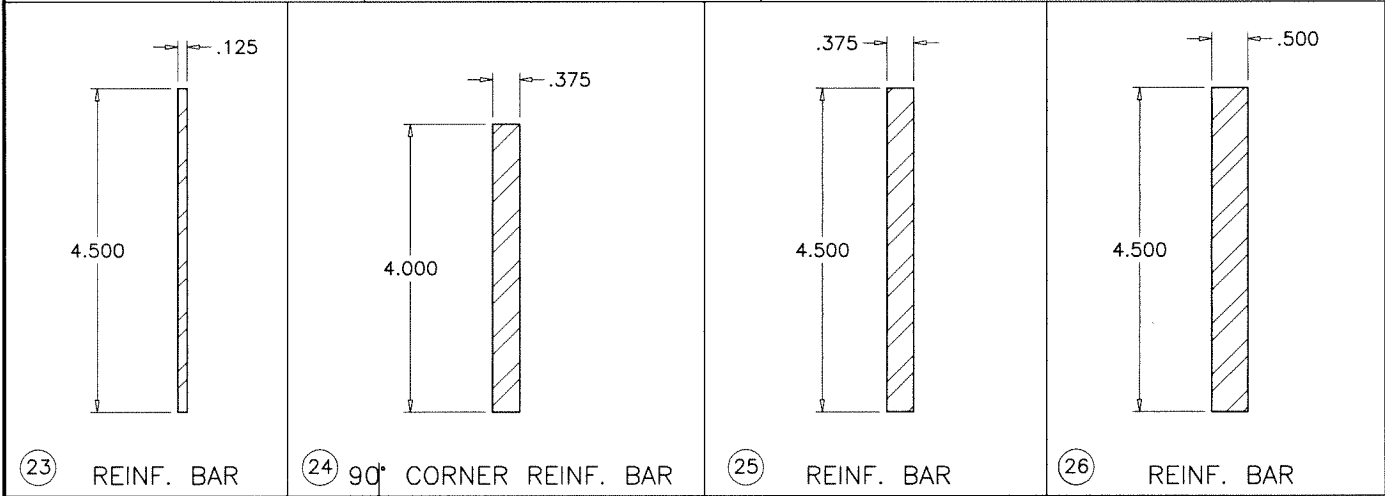
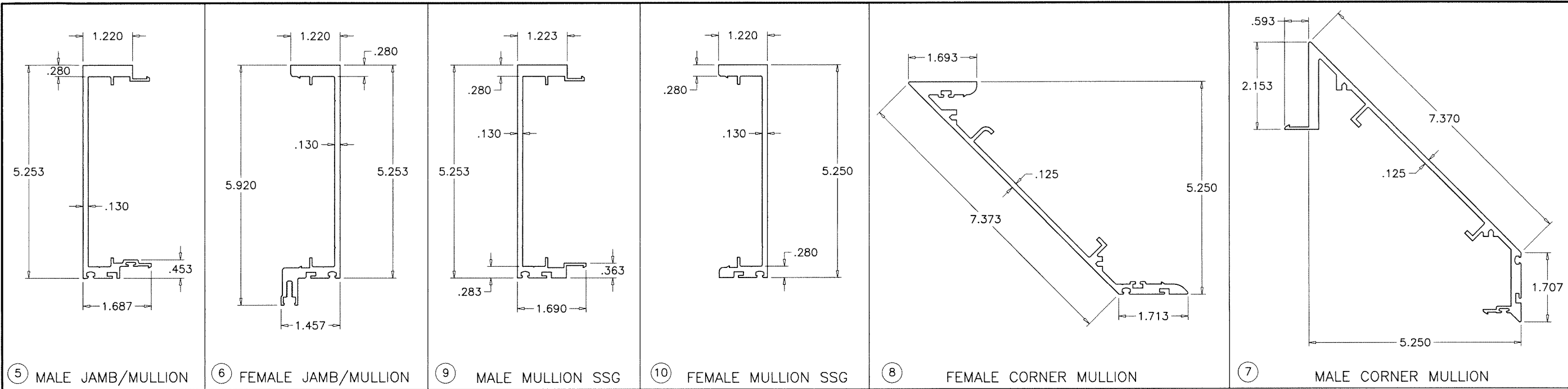
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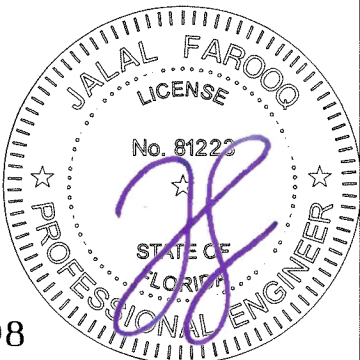
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sheet 20 of 23



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18-33F
sheet 21 of 23

ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	—	AS REQD.	HEAD / SILL	6063-T6	—
2	—	AS REQD.	HEAD / SILL COVER	6063-T6	—
3	—	AS REQD.	HORIZONTAL MULLION	6063-T6	—
4	—	AS REQD.	STRUCTURAL HORIZONTAL MULLION	6063-T6	—
5	—	AS REQD.	MALE JAMB/MULLION	6063-T6	—
6	—	AS REQD.	FEMALE JAMB/MULLION	6063-T6	—
7	—	AS REQD.	90° MALE CORNER MULLION	6063-T6	—
8	—	AS REQD.	90° FEMALE CORNER MULLION	6063-T6	—
9	—	AS REQD.	MALE MULLION	6063-T6	—
10	—	AS REQD.	FEMALE MULLION	6063-T6	—
11	—	AS REQD.	PRESSURE PLATE	6063-T6	—
12	—	AS REQD.	BEAUTY CAP	6063-T6	—
13	5250-203	AS REQD.	GLAZING ADAPTER	6063-T6	—
14	—	AS REQD.	90° GLAZING ADAPTER	6063-T6	—
15	—	AS REQD.	STRUCTURAL GLAZING ADAPTER	6063-T6	—
16	—	AS REQD.	STRUCTURAL GLAZING SHELF	6063-T6	—
17	—	AS REQD.	GLASS SHELF SUPPORT	6063-T6	—
18	—	AS REQD.	PRESSURE PLATE EXTENDED CAP	6063-T6	—
19	—	AS REQD.	EXTENDED CAP	6063-T6	—
20	—	AS REQD.	STRUCTURAL EXTERIOR HEAD RECEPTOR (7 1/2")	6063-T6	—
21	—	AS REQD.	STRUCTURAL EXTERIOR HEAD RECEPTOR (6 7/8")	6063-T6	—
22	—	AS REQD.	BACK STRUCTURAL HEAD RECEPTOR	6063-T6	—
23	—	AS REQD.	1/8" X 4 1/2" FULL LENGTH REINFORCEMENT BAR (VERTICAL MULLION)	STEEL ASTM-A36	—
24	—	AS REQD.	3/8" X 4" FULL LENGTH REINFORCEMENT BAR (90 CORNER MULLION)	STEEL ASTM-A36	—
25	—	AS REQD.	3/8" X 4 1/2" FULL LENGTH REINFORCEMENT BAR (VERTICAL MULLION)	STEEL ASTM-A36	—
26	—	AS REQD.	1/2" X 4 1/2" FULL LENGTH REINFORCEMENT BAR (VERTICAL MULLION)	STEEL ASTM-A36	—
27	—	AS REQD.	STRUCTURAL GLAZING SHELF	6063-T6	—
28	—	AS REQD.	1" x 1" TUBE	6063-T6	—
29	—	AS REQD.	5/8" TUBE	6063-T6	—
30	—	AS REQD.	ANTI-BUCKLING CLIP (4" LONG EVERY 12" SPACING)	6063-T6	—
31	—	AS REQD.	MULLION SEAL GASKET	SILICONE	—
32	—	AS REQD.	INTERIOR GLASS SPACER	SILICONE	—
33	—	AS REQD.	BULB GASKET	SILICONE	—
34	—	AS REQD.	1/4" SLIDE-IN INTERIOR PRESSURE GASKET	SILICONE	—
35	—	AS REQD.	1 5/16" CW SPACER	POLYIMIDE	—
36	—	AS REQD.	9/16" CW SPACER	POLYIMIDE	—
37	—	AS REQD.	1/8" x 3/4" SETTING BLOCK	EPDM	—
38	—	AS REQD.	HIGH MODULUS TWO PART STRUCTURAL	SILICONE	—
41	—	AS REQD.	3/16" x 5/8" SETTING BLOCK	EPDM	—
41A	—	AS REQD.	1/8" x 5/8" SETTING BLOCK	EPDM	—
42	—	2/ LITE	3/16" x 1 7/16" SETTING BLOCK, AT 1/4 POINTS	EPDM	—
42A	—	2/ LITE	1/8" x 1 7/16" SETTING BLOCK, AT 1/4 POINTS	EPDM	—
43	—	2/ LITE	1/4" x 11/16" SETTING BLOCK, AT 1/4 POINTS	EPDM	—
43A	—	2/ LITE	1/4" x 1 1/2" SETTING BLOCK, AT 1/4 POINTS	EPDM	—
43B	—	2/ LITE	1/8" x 11/16" SETTING BLOCK, AT 1/4 POINTS	EPDM	—
44	—	AS REQD.	27/32" EDGE THERMAL ISOLATOR	PVC	—
45	—	AS REQD.	5" X 5" X 3/8" X 8" LG. ANGLE	STEEL ASTM-A36	—
46	—	AS REQD.	4" X 4" X 1/4" X 4 1/2" LG. FORMED ANGLE	STEEL ASTM-A36	—
47	—	AS REQD.	1/2" X 4 1/2" LG. THRU BOLT W/LOCK NUT & WASHER	SAE GRADE 5	—
47A	—	AS REQD.	5/8" X 4 1/2" LG. THRU BOLT W/LOCK NUT & WASHER	SAE GRADE 5	—
48	—	AS REQD.	1/4" — 14 X 1 1/2" LG. (AT VERTICAL & HORIZONTAL MULLION)	SAE GRADE 5	—
49	—	AS REQD.	#12 X 1" PHILLIPS PAN HEAD SHEET METAL SCREW	STAINLESS STEEL	—
52	—	AS REQD.	3/4" Ø HH POWER EDGE BOLT	SAE GRADE 5	—
53	—	AS REQD.	1/4" FILLET, 4" LONG TOP & BOTTOM	MILD STEEL E70	—
54	—	AS REQD.	#10 X 3/4" LG S,S S.S	STAINLESS STEEL	—
55	—	AS REQD.	1/4" X 1 1/2" X 1 1/2" WELD WASHER	MILD STEEL E70	—
56	—	AS REQD.	5" X 3" X 1/4" X 8" LG. ANGLE	STEEL ASTM-A36	—
57	—	AS REQD.	1/4" FILLET, 1 1/2" LONG TOP & BOTTOM	MILD STEEL E70	—
58	—	AS REQD.	1 5/16" X 2 1/16 HALFEN ANCHOR	STEEL ASTM-A36	—
59	—	AS REQD.	SPACER GASKET	SILICONE	—
60	—	AS REQD.	1/4 — 14 X 2" LG HEX WASHER HEAD	STAINLESS STEEL	—
61	—	AS REQD.	1/4 — 14 X 2" LG FLAT HEAD (AT 90° CORNER MULLION)	STAINLESS STEEL	—
67	—	AS REQD.	ZONE PLUG	EPDM	—
69	—	AS REQD.	#12 X 1 3/4" PHILLIPS PAN HEAD SHEET METAL SCREW	STAINLESS STEEL	—
70	103-047	AS REQD.	JAMB SPACER TUBE	6063-T6	—

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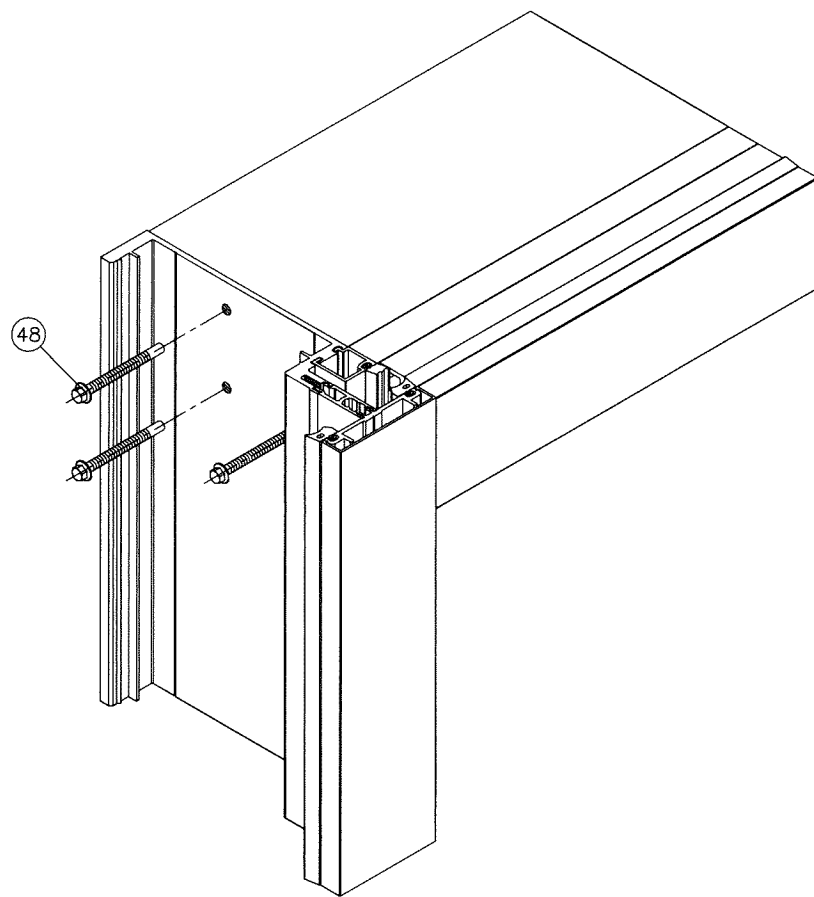
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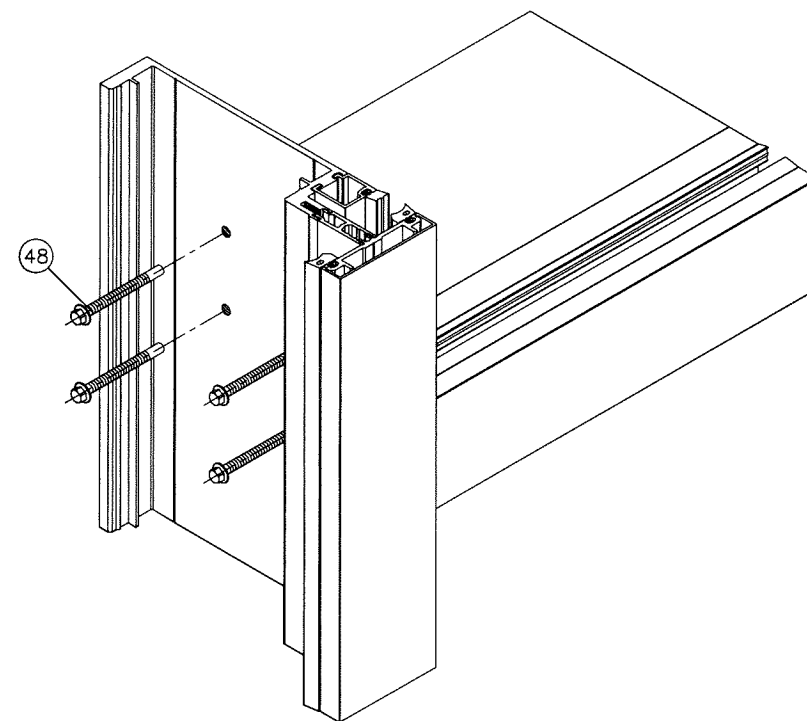
drawing no.

18-33F

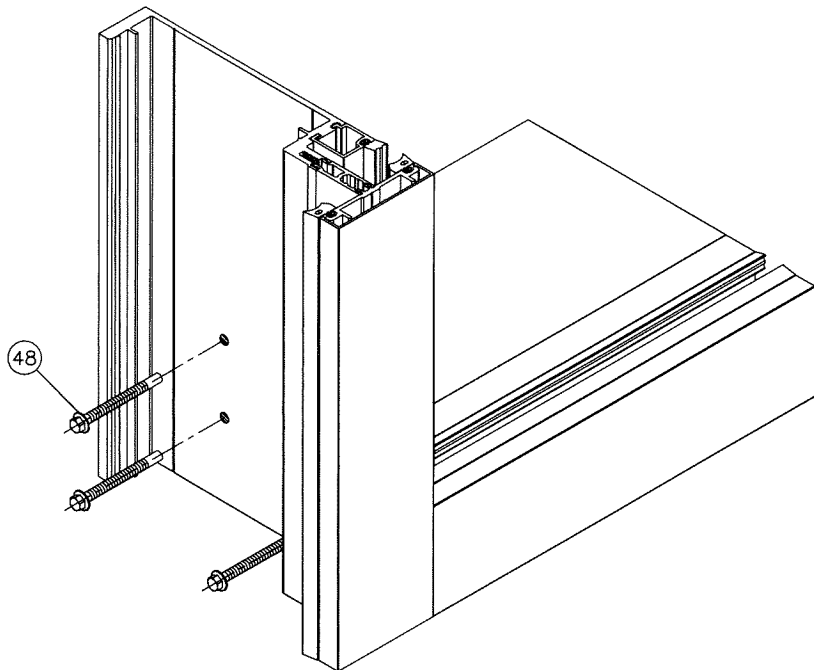
sheet 22 of 23



FRAME TOP CORNER

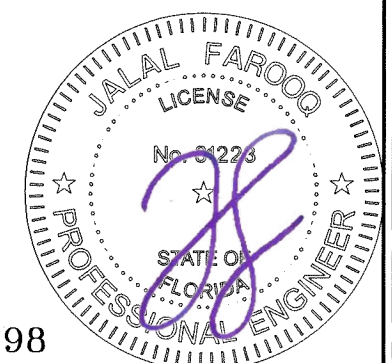


FRAME HORIZONTAL CORNER



FRAME BOTTOM CORNER

Sealed: 9/16/2026



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