

DESIGN LOAD CAPACITY - PSF					
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'A1'			
		INTERLOCKS WITH REINFORCING			
		TOP & BOTTOM RAIL WITHOUT REINF.		TOP & BOTTOM RAIL WITH REINF.	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	126"	120.0	125.0	-	-
42		120.0	125.0	-	-
48		120.0	125.0	-	-
50		115.0	120.0	120.0	125.0
52		111.0	115.0	120.0	125.0
54		106.0	111.0	120.0	125.0
36	132"	120.0	125.0	-	-
42		120.0	125.0	-	-
48		120.0	125.0	-	-
50		115.0	120.0	120.0	125.0
52		111.0	115.0	120.0	125.0
36	138"	120.0	125.0	-	-
42		120.0	125.0	-	-
48		120.0	125.0	-	-
50		115.0	120.0	120.0	125.0
52		111.0	115.0	120.0	125.0
36	144"	120.0	125.0	-	-
42		120.0	125.0	-	-
48		120.0	125.0	-	-

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES ES-6500 ULTRA
ALUMINUM SLIDING GLASS DOOR

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).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE
DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT
LOADS TO THE BUILDING STRUCTURE.

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.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

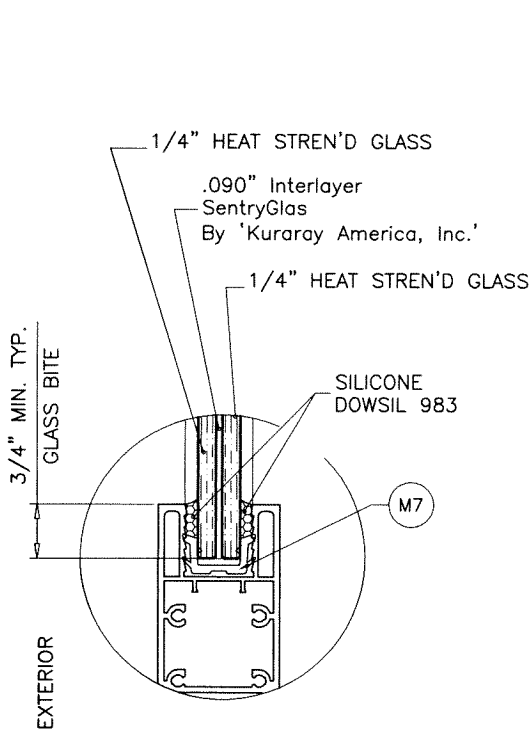
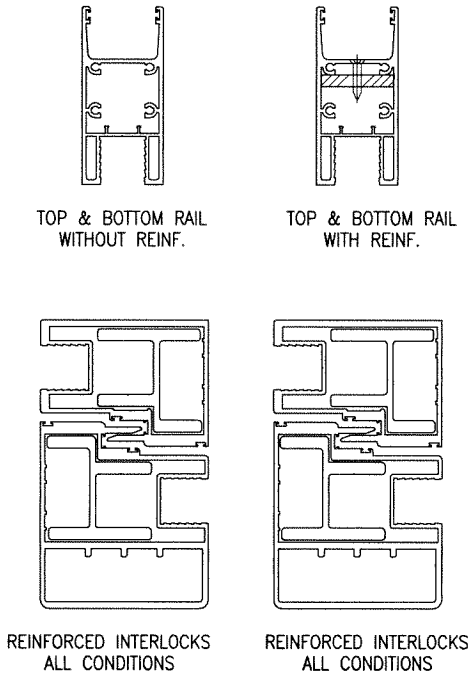
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL
OR OTHER RIGID MATERIALS).

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.

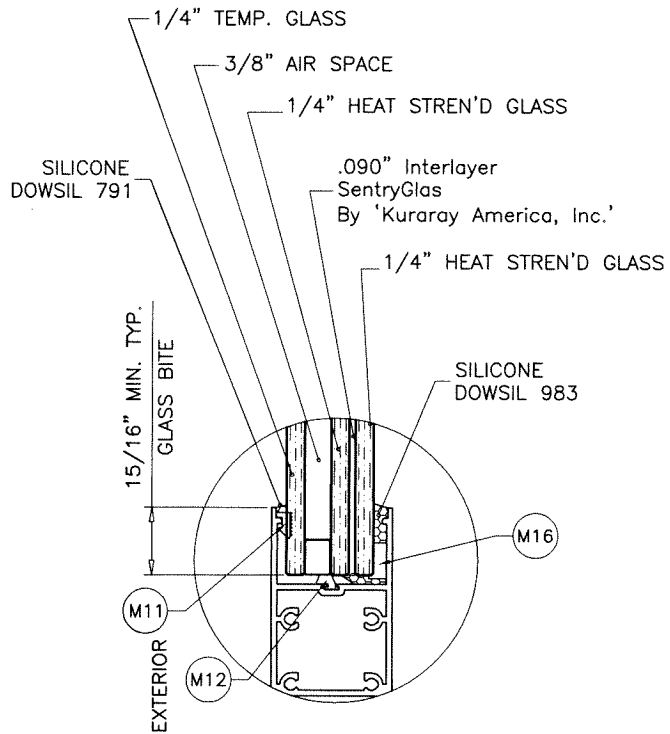
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

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.



GLASS TYPE 'A'

9/16" OVERALL LAMINATED GLASS



GLASS TYPE 'A1'

1-1/4" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

3/8" 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

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.

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

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- 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
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E.S. WINDOWS, LLC
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revisions:

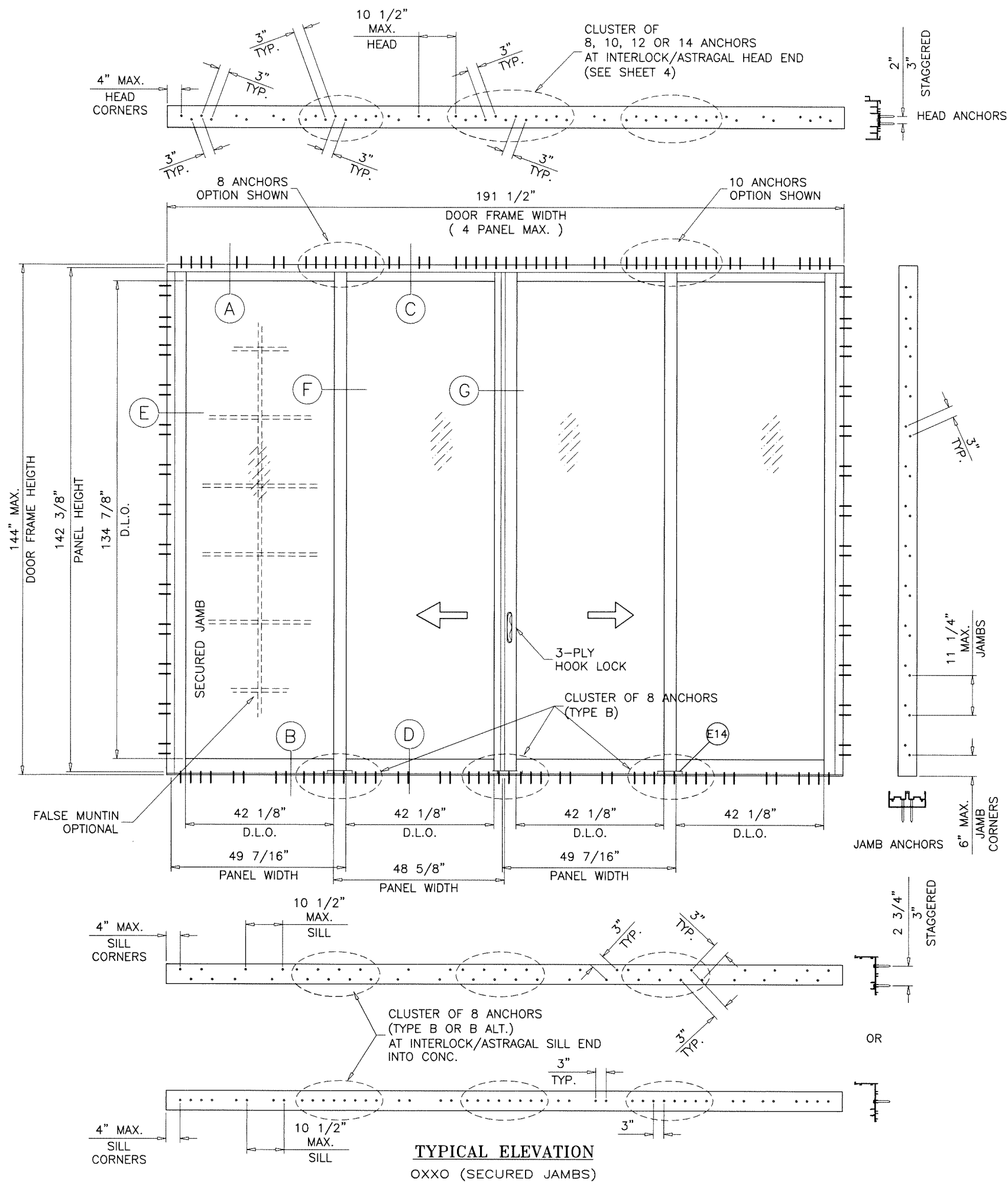
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A	09.30.20		UPDATED TO 2020 FBC
B	09.12.23		UPDATED TO 2023 FBC
C	09.18.26		UPDATED TO 2026 FBC

date: 04-19-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-45F

sheet 1 of 13

COMP-ANL 18-45F-ESW



DAYLITE OPENINGS WIDTHS:
 FIXED STILE-INTERLOCK = NOM. PANEL WIDTH - 7.437"
 INTERLOCK-ASTRAGAL = NOM. PANEL WIDTH - 6.375"
 LOCK STILE-INTERLOCK = NOM. PANEL WIDTH - 7.187"

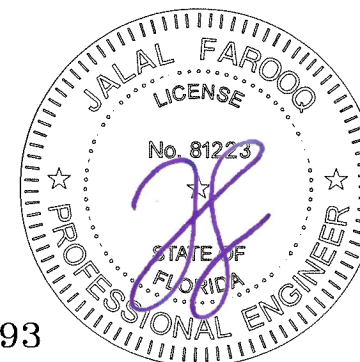
DAYLITE OPENING HEIGHT:
 PANEL HEIGHT - 7.375"
 PANEL HEIGHT = DOOR FRAME HEIGHT - 1.625"

MAX. FRAME AREA OF S.G.D. SHALL NOT EXCEED
 FRAME AND PANEL AREA OF TESTED UNIT PER FBC REQUIREMENTS.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS FOR SECURED JAMB S.G.D.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** DETERMINE DOOR CAPACITY FROM TABLE ON SHEET 1 FOR THE GLASS TYPE USED.
- STEP 3** USING CHARTS ON SHEET 4 SELECT HEAD ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.



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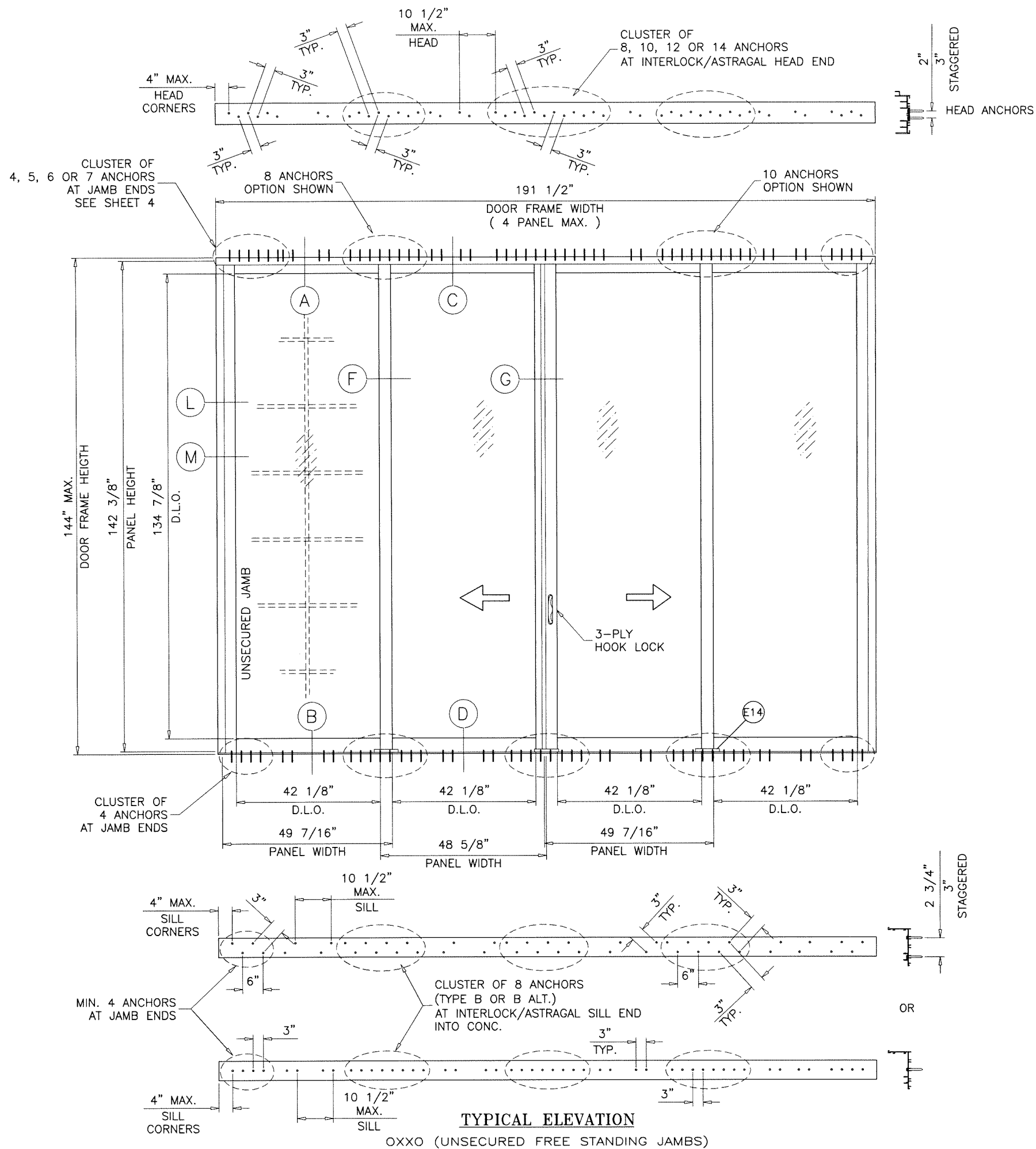
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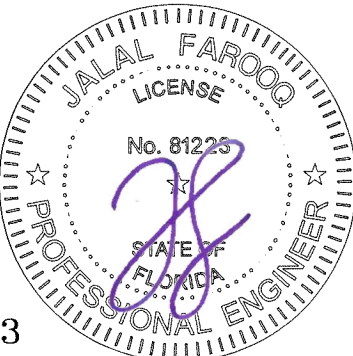
drawing no.
18-45F
 sheet 2 of 13



INSTRUCTIONS:

USE CHARTS AS FOLLOWS FOR UNSECURED JAMB S.G.D.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** DETERMINE DOOR CAPACITY FROM TABLE ON SHEET 1 FOR THE GLASS TYPE USED.
- STEP 3** USING CHARTS ON SHEET 4 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** USING UNANCHORED FREE STANDING JAMB AND REINFORCING OPTIONS FROM SHEET 11, SELECT THE DESIGN LOAD MORE THAN THE LOAD IN STEP 1, 2 & 3.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.



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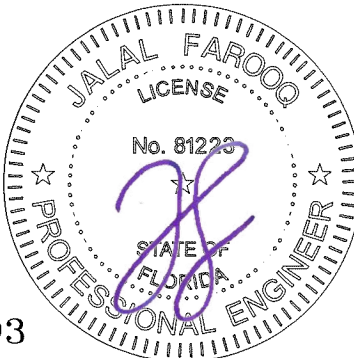
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dr. by: TARIQ
chk. by:

drawing no.
18-45F
sheet 3 of 13

FRAME HEAD ANCHOR CAPACITY – PSF																			
ANCHOR TYPE		ANCHORS TYPE 'A' & 'B'																ANCHORS 'C'	
		1/4" MAX. SHIM		3/8" MAX. SHIM SPACE						1/2" MAX. SHIM SPACE								3/8" MAX. SHIM	
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	8 ANCHORS AT MTG. STILE ENDS		8 ANCHORS AT MTG. STILE ENDS		10 ANCHORS AT MTG. STILE ENDS		12 ANCHORS AT MTG. STILE ENDS		8 ANCHORS AT MTG. STILE ENDS		10 ANCHORS AT MTG. STILE ENDS		12 ANCHORS AT MTG. STILE ENDS		14 ANCHORS AT MTG. STILE ENDS		8 ANCHORS AT MTG. STILE ENDS	
		EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)
36	126	120.0	125.0	120.0	125.0	120.0	125.0	120.0	125.0	120.0	121.0	120.0	125.0	120.0	125.0	120.0	125.0	120.0	125.0
42		120.0	125.0	120.0	125.0	120.0	125.0	120.0	125.0	103.7	103.7	120.0	124.5	120.0	125.0	120.0	125.0	120.0	125.0
48		120.0	125.0	113.1	113.1	120.0	125.0	120.0	125.0	90.8	90.8	108.9	108.9	120.0	125.0	120.0	125.0	120.0	125.0
50		120.0	125.0	108.6	108.6	120.0	125.0	120.0	125.0	87.1	87.1	104.6	104.6	120.0	122.0	120.0	125.0	120.0	125.0
52		120.0	125.0	104.4	104.4	120.0	125.0	120.0	125.0	83.8	83.8	100.5	100.5	117.3	117.3	120.0	125.0	120.0	125.0
54		120.0	125.0	100.5	100.5	120.0	120.6	120.0	125.0	80.7	80.7	96.8	96.8	112.9	112.9	120.0	125.0	120.0	125.0
36	132	120.0	125.0	120.0	125.0	120.0	125.0	120.0	125.0	115.5	115.5	120.0	125.0	120.0	125.0	120.0	125.0	120.0	125.0
42		120.0	125.0	120.0	123.4	120.0	125.0	120.0	125.0	99.0	99.0	118.8	118.8	120.0	125.0	120.0	125.0	120.0	125.0
48		120.0	125.0	108.0	108.0	120.0	125.0	120.0	125.0	86.6	86.6	104.0	104.0	120.0	121.3	120.0	125.0	120.0	125.0
50		120.0	125.0	103.6	103.6	120.0	124.4	120.0	125.0	83.2	83.2	99.8	99.8	116.4	116.4	120.0	125.0	120.0	125.0
52		120.0	125.0	99.7	99.7	119.6	119.6	120.0	125.0	80.0	80.0	96.0	96.0	112.0	112.0	120.0	125.0	120.0	125.0
36		138	120.0	125.0	120.0	125.0	120.0	125.0	120.0	125.0	110.5	110.5	120.0	125.0	120.0	125.0	120.0	125.0	120.0
42	120.0		125.0	118.0	118.0	120.0	125.0	120.0	125.0	94.7	94.7	113.6	113.6	120.0	125.0	120.0	125.0	120.0	125.0
48	120.0		125.0	103.3	103.3	120.0	123.9	120.0	125.0	82.9	82.9	99.4	99.4	116.0	116.0	120.0	125.0	120.0	125.0
50	120.0		125.0	99.1	99.1	119.0	119.0	120.0	125.0	79.6	79.6	95.5	95.5	111.4	111.4	120.0	125.0	120.0	125.0
36	144		120.0	125.0	120.0	125.0	120.0	125.0	120.0	125.0	105.9	105.9	120.0	125.0	120.0	125.0	120.0	125.0	120.0
42		120.0	125.0	113.1	113.1	120.0	125.0	120.0	125.0	90.8	90.8	108.9	108.9	120.0	125.0	120.0	125.0	120.0	125.0
48		120.0	125.0	99.0	99.0	118.8	118.8	120.0	125.0	79.4	79.4	95.3	95.3	111.2	111.2	120.0	125.0	120.0	125.0
		4 ANCHORS AT FREE STANDING JAMB ENDS		4 ANCHORS AT FREE STANDING JAMB ENDS		5 ANCHORS AT FREE STANDING JAMB ENDS		6 ANCHORS AT FREE STANDING JAMB ENDS		4 ANCHORS AT FREE STANDING JAMB ENDS		5 ANCHORS AT FREE STANDING JAMB ENDS		6 ANCHORS AT FREE STANDING JAMB ENDS		7 ANCHORS AT FREE STANDING JAMB ENDS		4 ANCHORS AT FREE STANDING JAMB ENDS	

THESE TABLES APPLY TO ANCHORS AT FRAME HEAD
SILL ANCHORS IN CLUSTER OF 8 AT INTERLOCK/ASTRAGAL ENDS, AND
4 AT FREE STANDING JAMB ENDS (ALL SIZES) MEET ALL LOAD REQUIREMENTS
AND DO NOT REQUIRE SEPARATE TABLES

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date: 04-19-18

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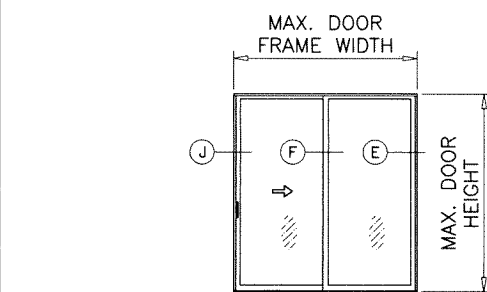
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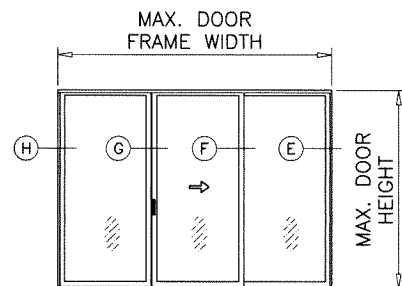
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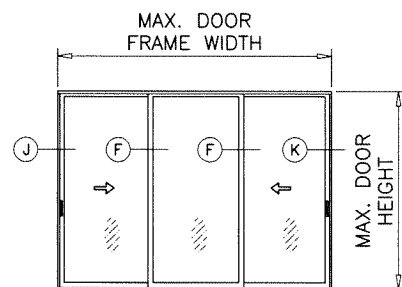
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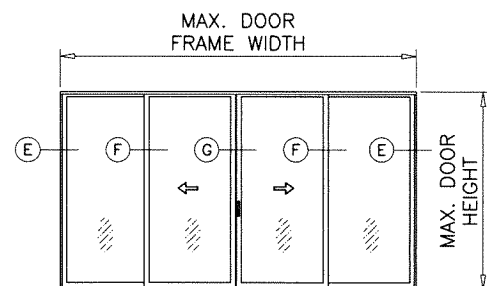
XO (SHOWN)
OX



OXO (SHOWN)



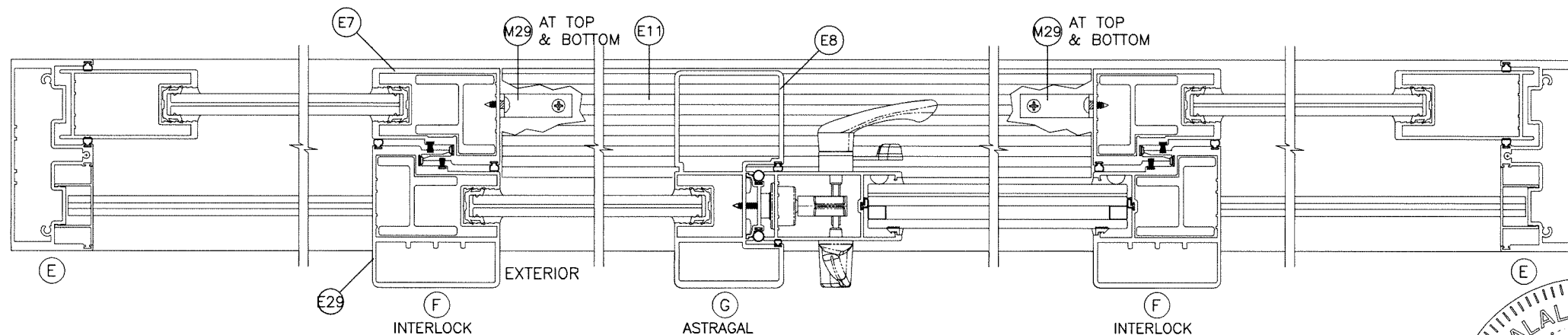
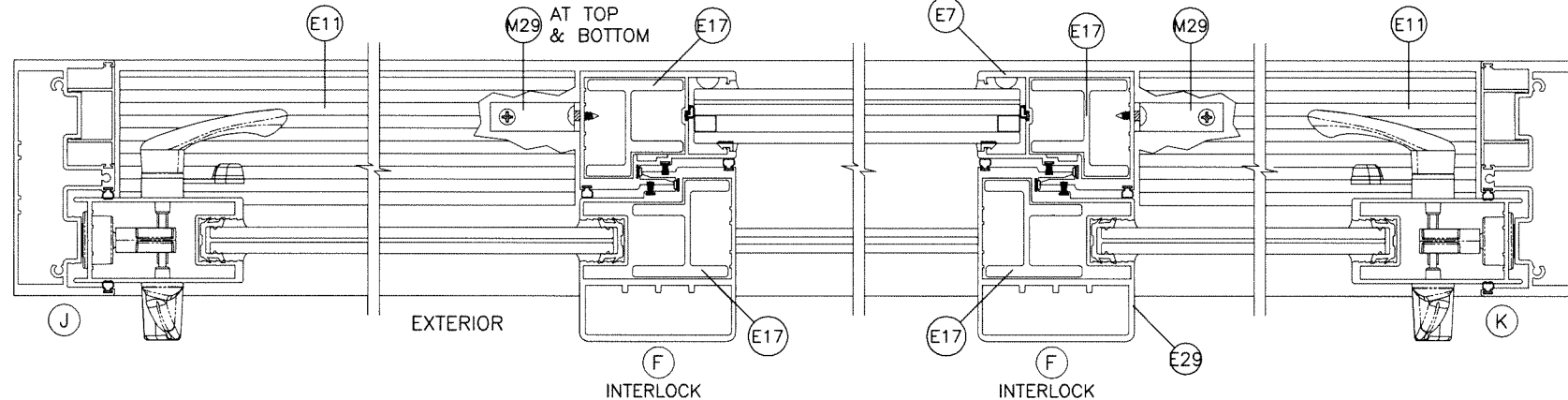
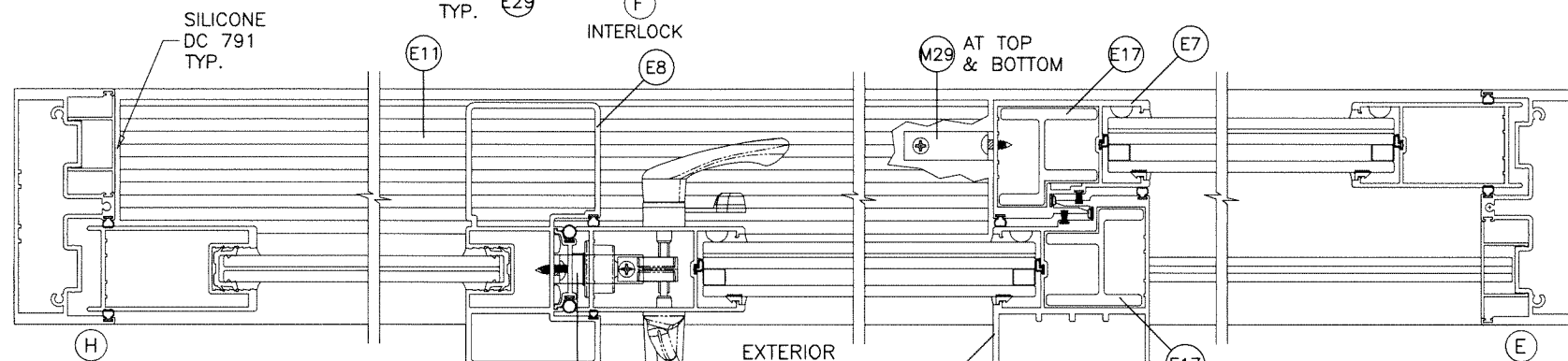
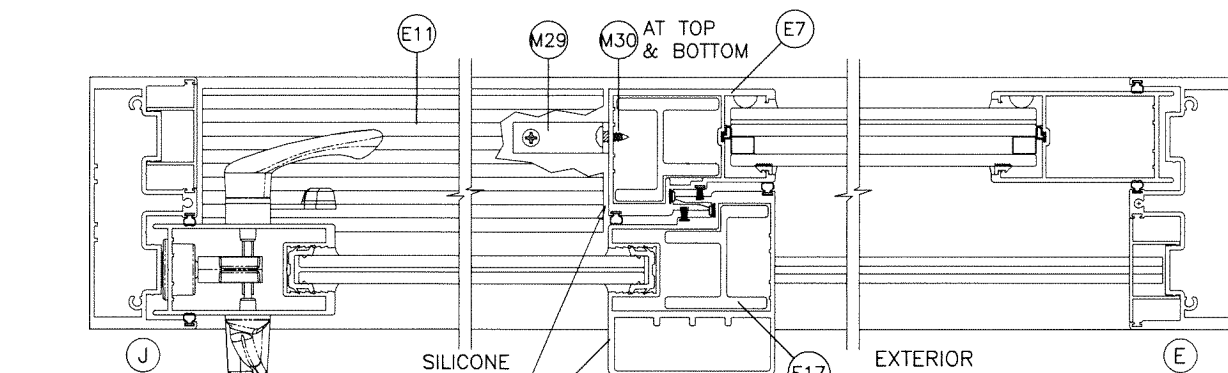
XOX (SHOWN)



OXXO (SHOWN)

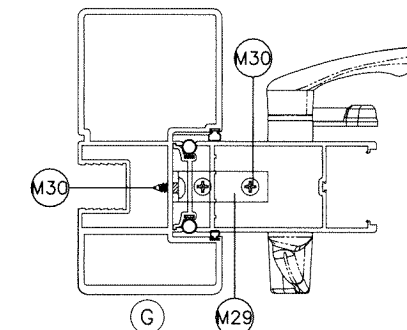
APPROVED CONFIGURATIONS

NOT TO EXCEED TESTED DOOR SIZE AND TESTED PANEL AREA

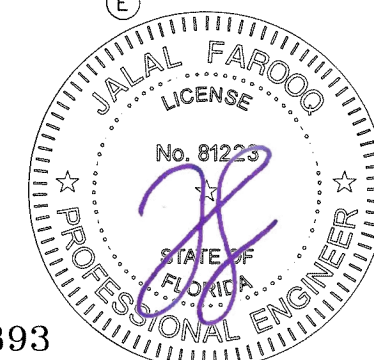


NOTE:

1. OPERABLE PANEL TO BE ON EXTERIOR TRACKS WITH SAFEGUARD.
2. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
3. FOR APPLICABLE DESIGN PRESSURES SEE INSTRUCTIONS IN SHEETS 2 & 3.
4. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 11.
5. THE FRAME AREA OF ALTERNATE SIZE UNIT SHALL NOT EXCEED FRAME & PANEL AREA OF TESTED UNIT PER FBC REQUIREMENTS.



CLIP REQUIRED AT OXO DOORS ONLY
AT TOP AND BOTTOM, SECURED WITH
(2) #10 SMS PER EXTERIOR FIXED PANEL LEG
(TOTAL 4 PER CLIP)



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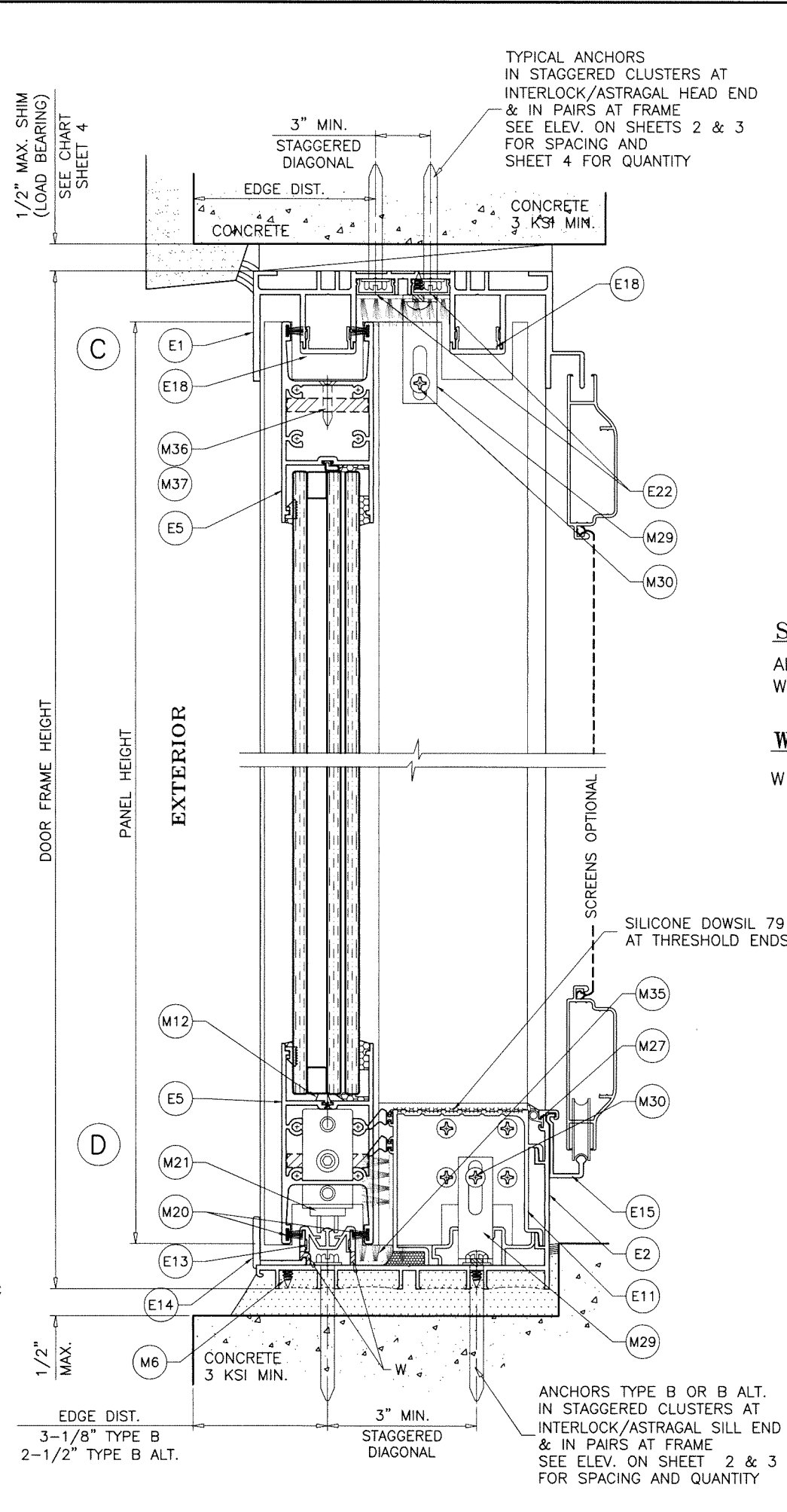
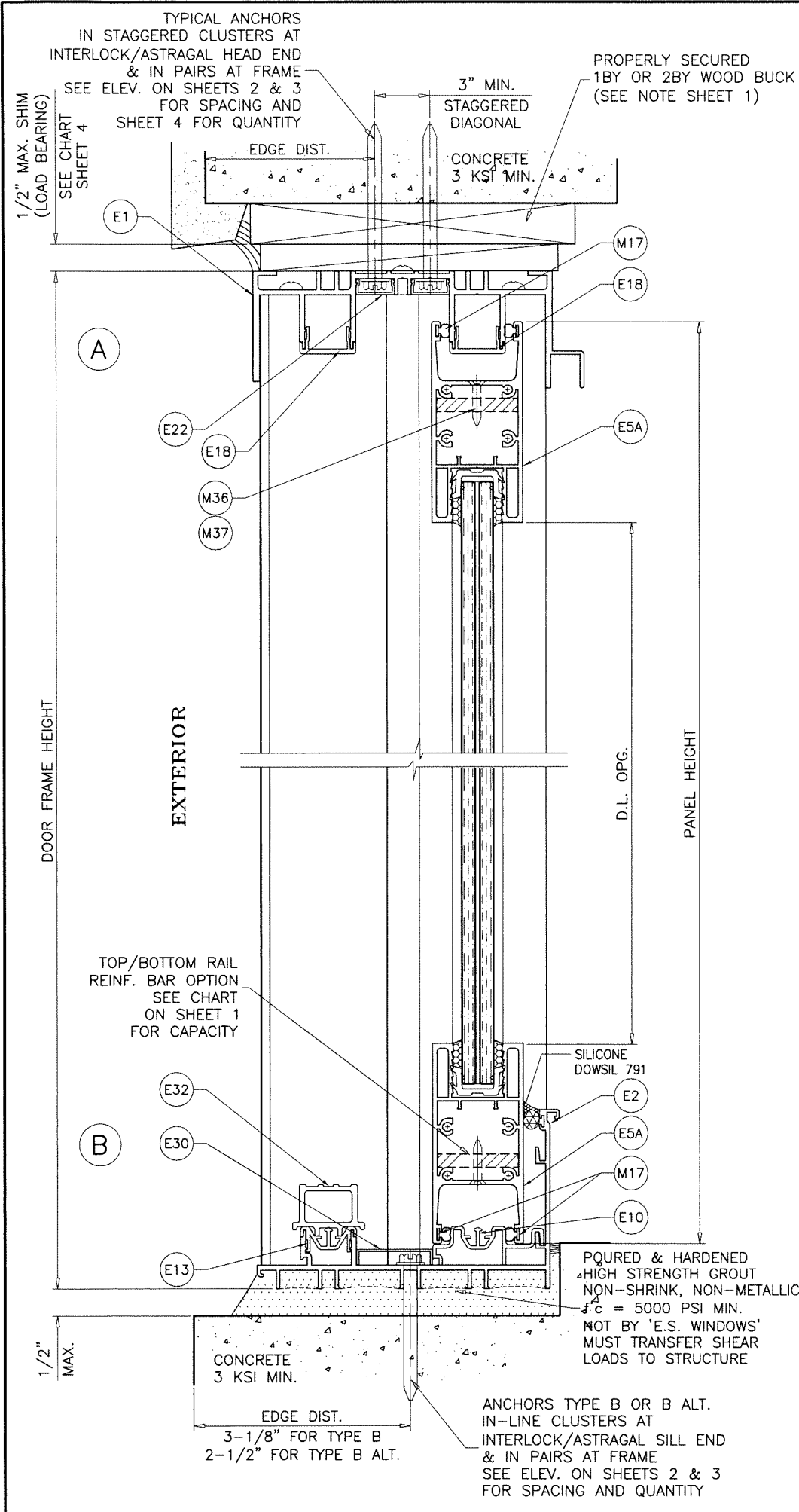
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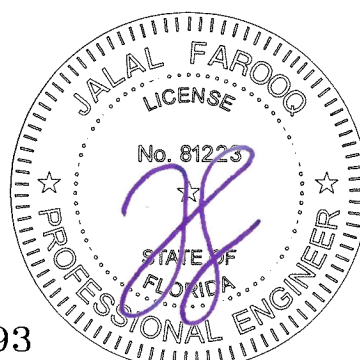
SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

WEEPHOLES:

W = 1/4" X 3" LONG WEEP HOLES AT 4 1/2" FROM EACH END.

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TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

- TYPE 'A'– 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO WOOD STRUCTURES
1-7/8" MIN. PENETRATION INTO WOOD
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE
1-1/2" MIN. EMBED INTO CONCRETE
- TYPE 'B'– 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
1-1/2" MIN. EMBED
- TYPE 'C'– 5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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)

AT SILL

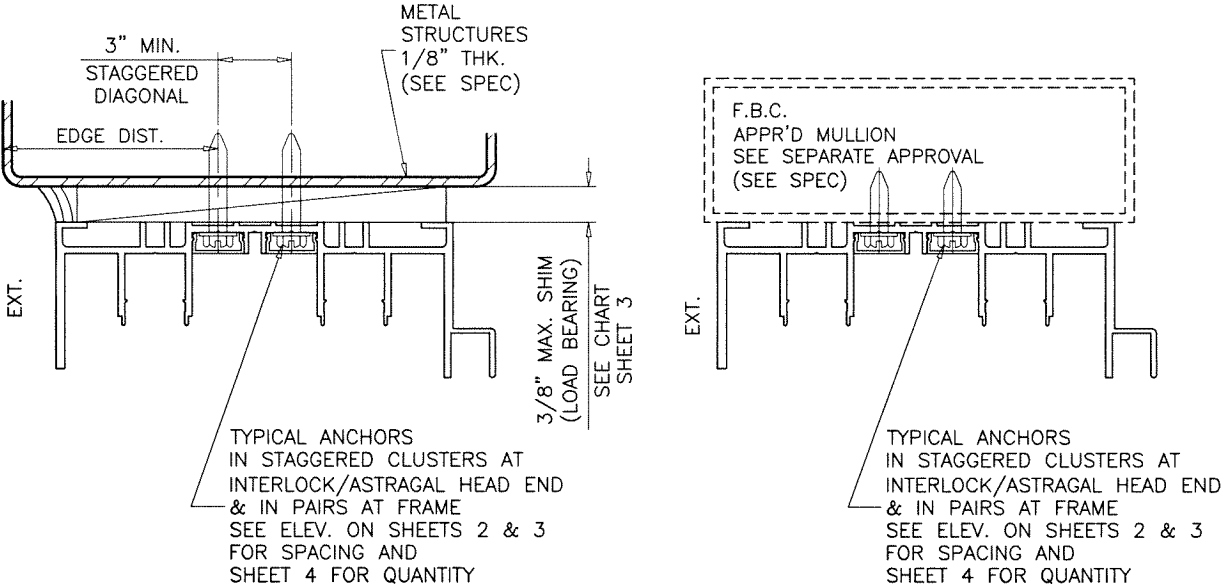
- TYPE 'B'– 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
1-1/2" MIN. EMBED
- TYPE 'B' ALT.– 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED

AT JAMBS

- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO WOOD STRUCTURES
1-7/8" MIN. PENETRATION INTO WOOD
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR FILLED BLOCKS
1-1/2" MIN. EMBED INTO CONCRETE OR BLOCKS
- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS
1-1/2" MIN. EMBED
- 5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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

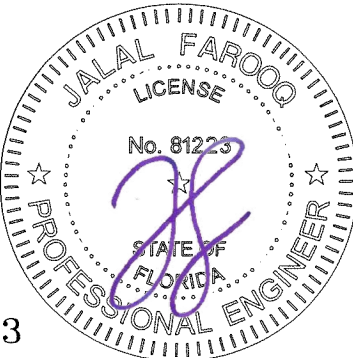
- INTO CONCRETE = 2-1/2" MIN. (1/4" ANCHORS)
INTO CONC. OR BLOCKS = 3-1/8" MIN. (5/16" ANCHORS)
INTO WOOD STRUCTURE = 1-1/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.
- WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



ALTERNATE SUBSTRATES

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'E.S. WINDOWS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Sealed: 9/22/2026



FL #17893

a f 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 ES-6500 ULTRA ALUM S.G. DOOR (L.M.I.)

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

revisions:	
no	by description

date: 04-19-18

scale: 3/8" = 1"

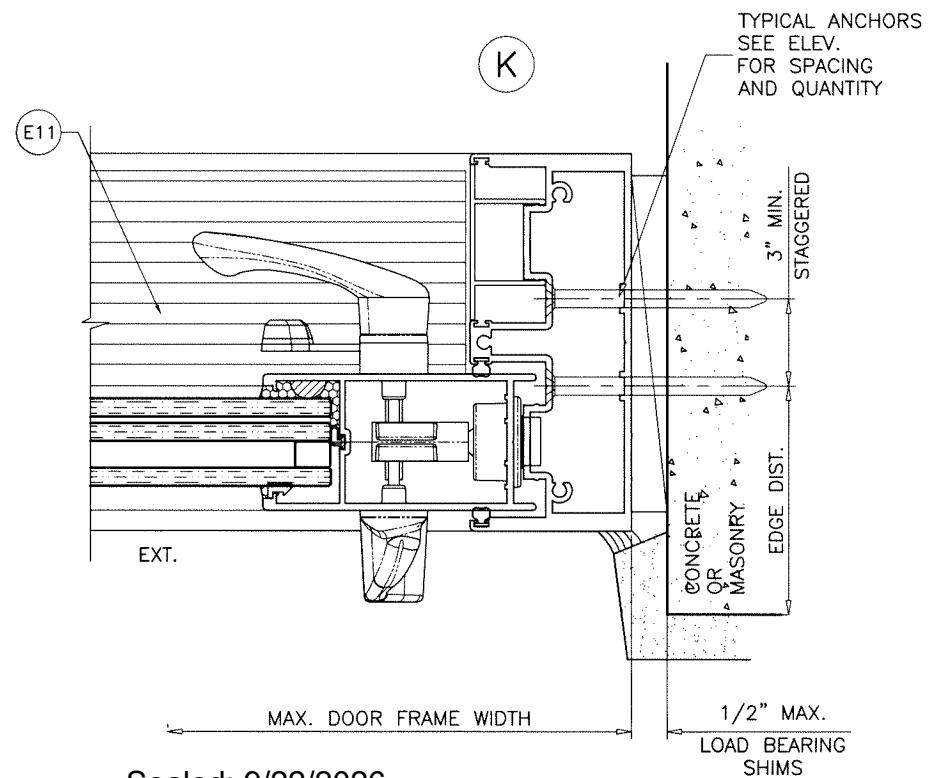
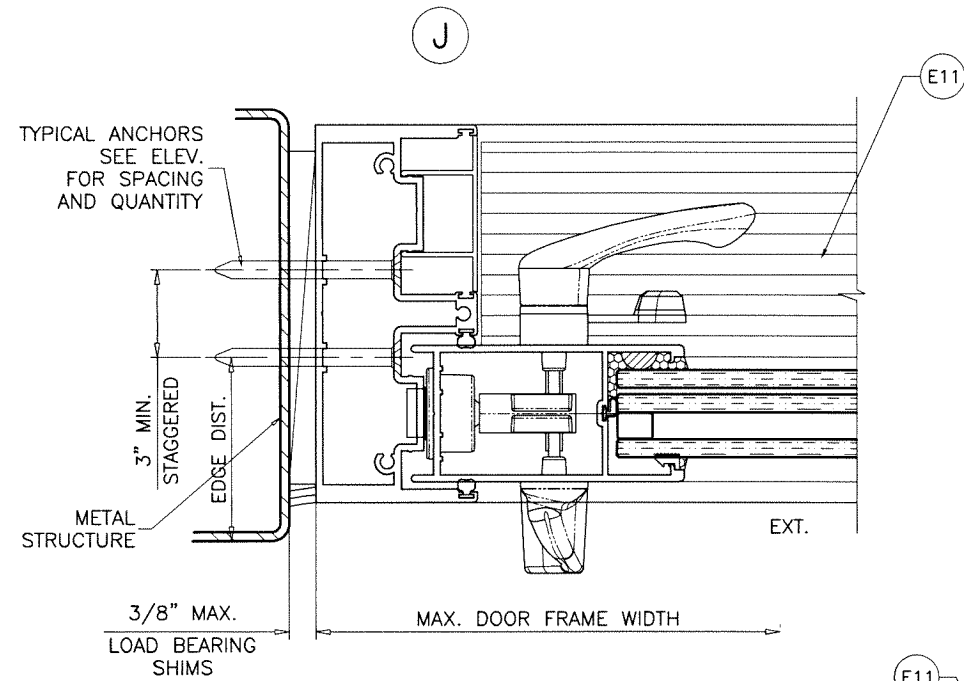
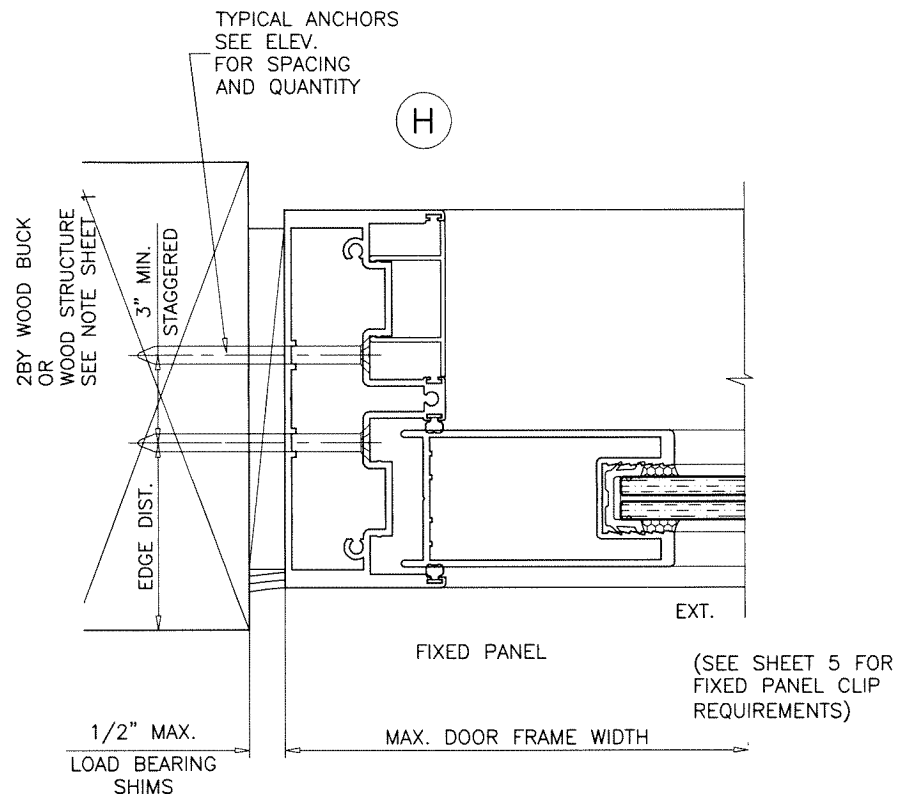
dr. by: TARIQ

chk. by:

drawing no.

18-45F

sheet 8 of 13



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COMP-ANL 18-45F-ESW

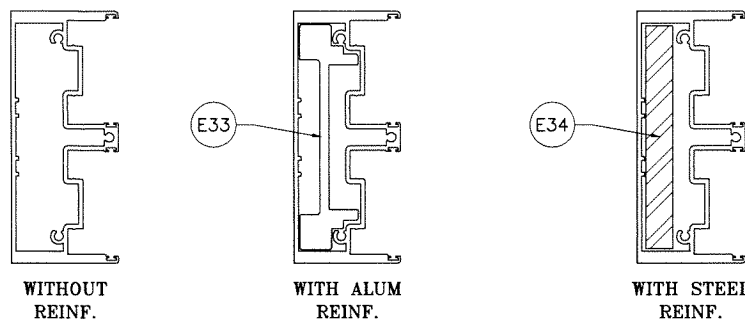
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dr. by: TARIQ
chk. by:

drawing no.
18-45F
sheet 10 of 13



Ix IN ⁴	Sx IN ³
8.204	3.125

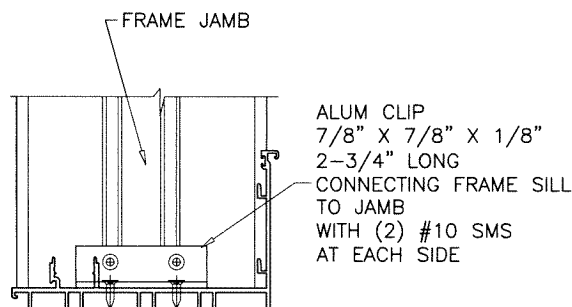
Ix IN ⁴	Sx IN ³
13.592	5.720

Ix IN ⁴	Sx IN ³
ALUMINUM	8.204
STEEL	3.125
TOTAL	11.329
Ix ALUM + Ix STL X 2.9	21.808

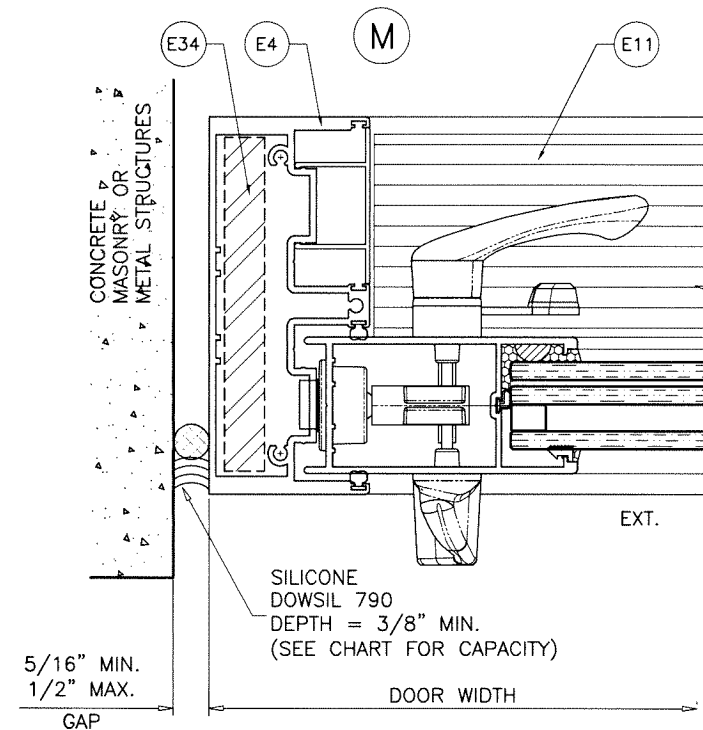
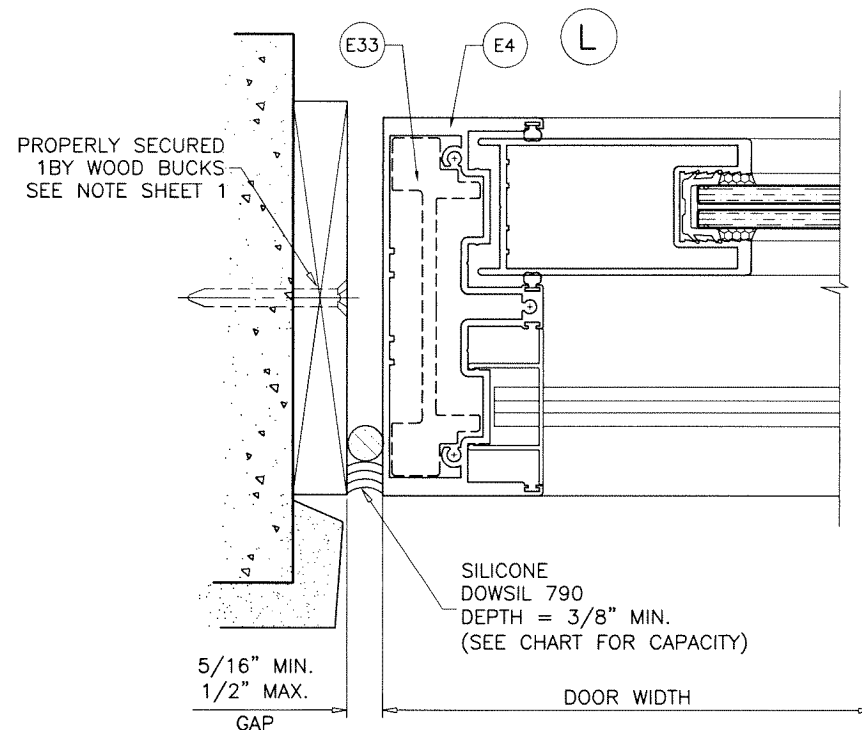
FREE STANDING JAMB DESIGN LOAD CAPACITY - PSF							
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	WITHOUT REINF.		WITH ALUM REINF.		WITH STEEL REINF.	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	126"	113.6	113.6	120.0	125.0	120.0	125.0
42		98.6	98.6	120.0	125.0	120.0	125.0
48		87.5	87.5	120.0	125.0	120.0	125.0
54		79.0	79.0	120.0	125.0	120.0	125.0
36	132"	94.1	94.1	120.0	125.0	120.0	125.0
42		81.5	81.5	120.0	125.0	120.0	125.0
48		72.2	72.2	115.7	115.7	120.0	125.0
52		67.3	67.3	107.8	107.8	120.0	125.0
36	138"	78.6	78.6	120.0	125.0	120.0	125.0
42		68.0	68.0	108.9	108.9	120.0	125.0
48		60.2	60.2	96.4	96.4	120.0	125.0
50		58.0	58.0	92.9	92.9	120.0	125.0
36	144"	66.1	66.1	105.9	105.9	120.0	125.0
42		57.2	57.2	91.6	91.6	120.0	125.0
48		50.6	50.6	81.0	81.0	120.0	125.0

NOTE:
DATA IN THIS SHEET MAY BE USED TO QUALIFY SPECIFIED
JOINT SEALANT TO BE USED AT UNANCHORED FREE
STANDING JAMBS.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND
APPLICATION MANUAL FOR COMPATIBILITY OF SEALANT TO
SUBSTRATE & DOOR MATERIAL FINISH AND COMPLIANCE
FOR WARRANTY. (UNDER SEPARATE REVIEW)

CONDITIONS OR OTHER SEALANTS NOT COVERED IN THIS
SHEET TO BE ENGINEERED SEPARATELY AND TO BE
REVIEWED BY AHJ.

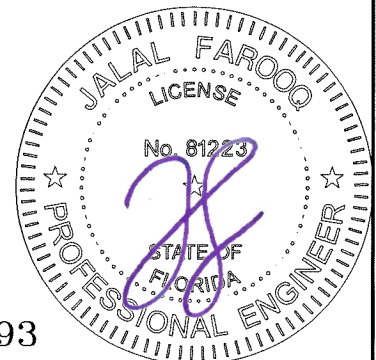


REINFORCEMENT CLIP REQUIRED AT
FREE STANDING JAMB WITH STEEL REINFORCING ONLY



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FL #17893



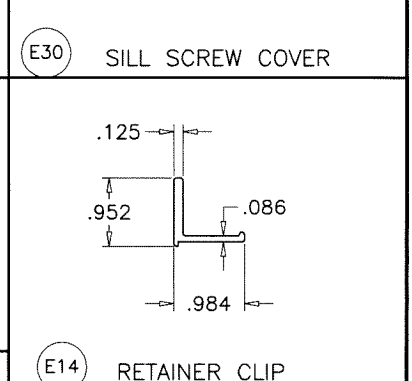
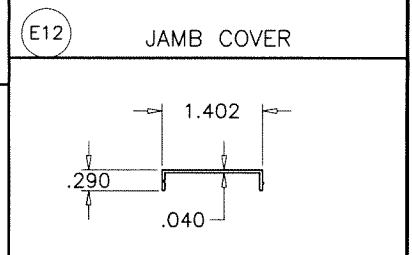
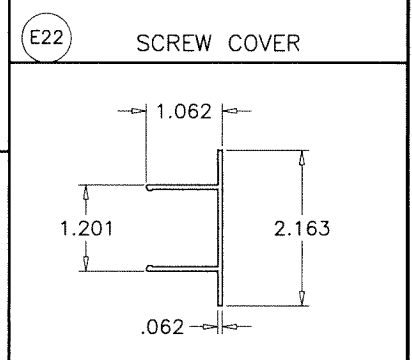
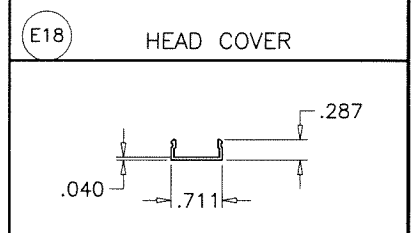
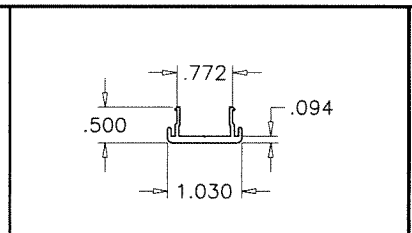
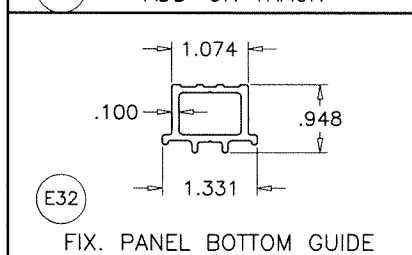
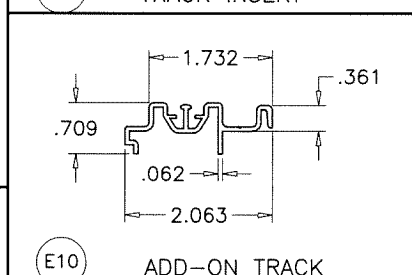
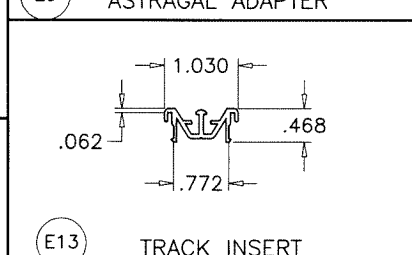
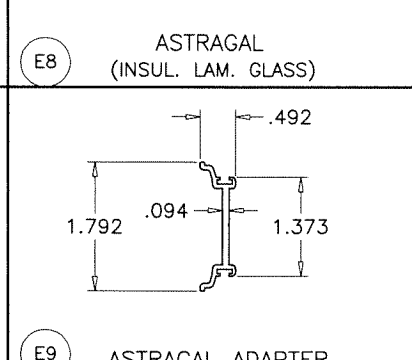
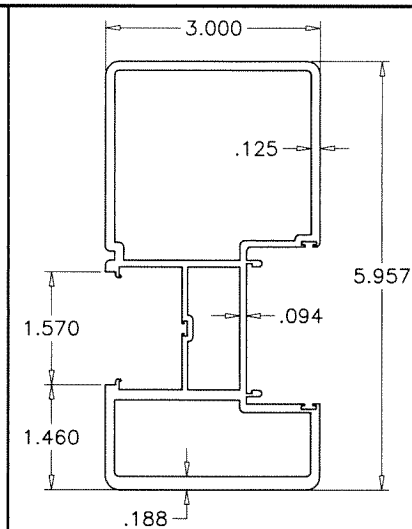
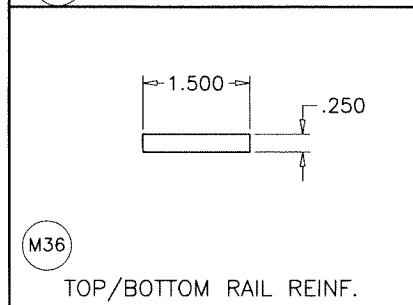
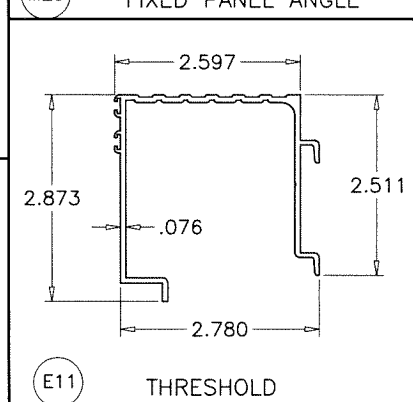
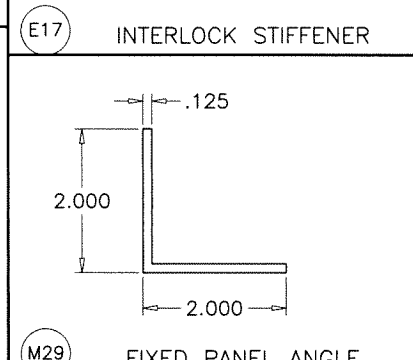
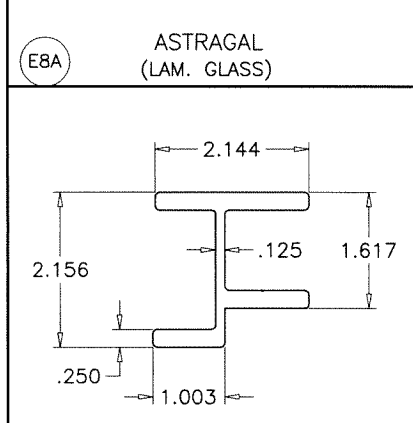
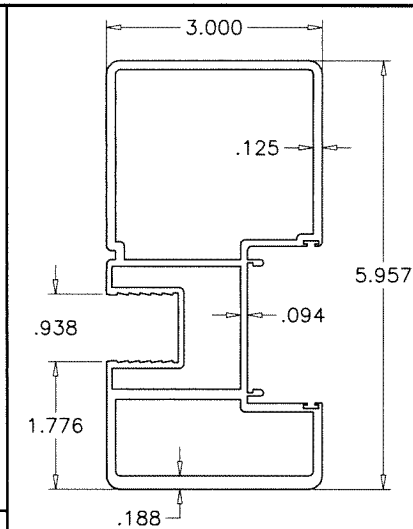
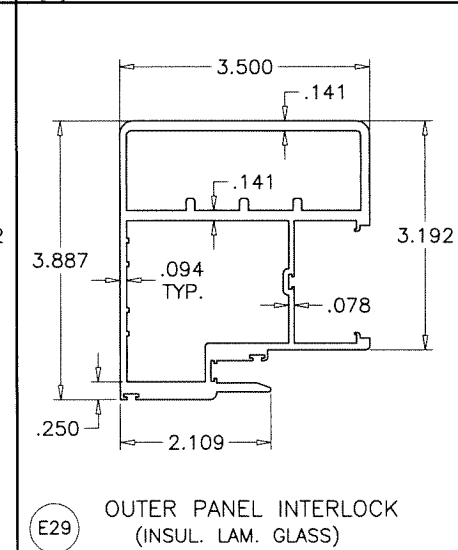
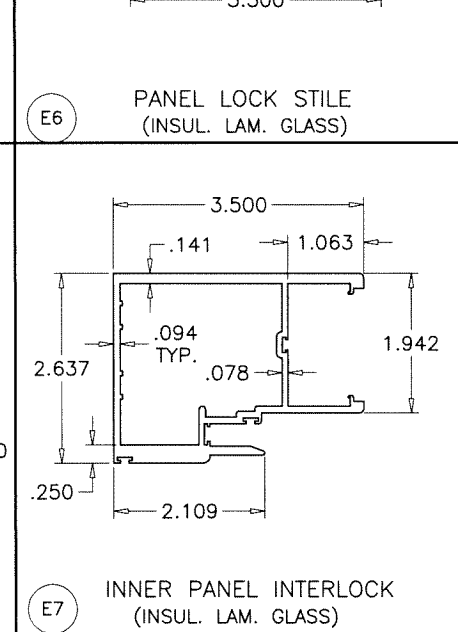
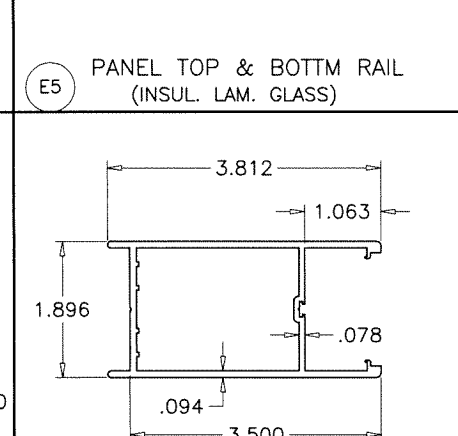
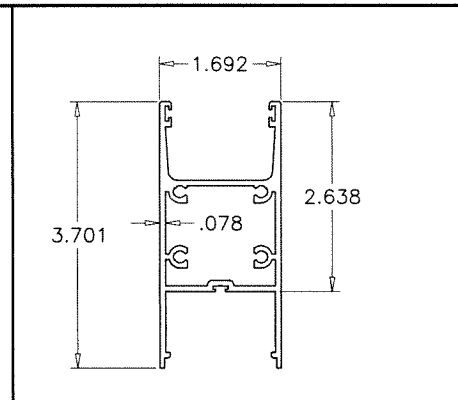
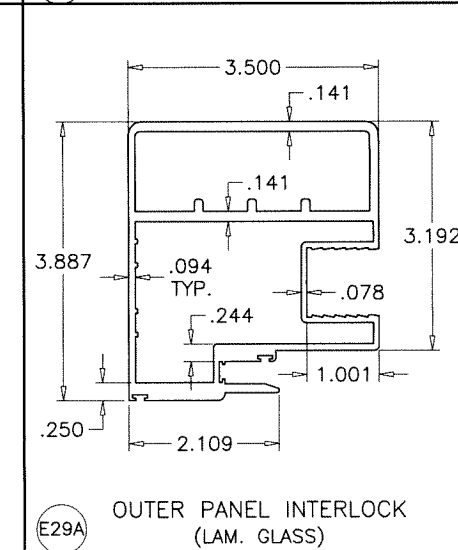
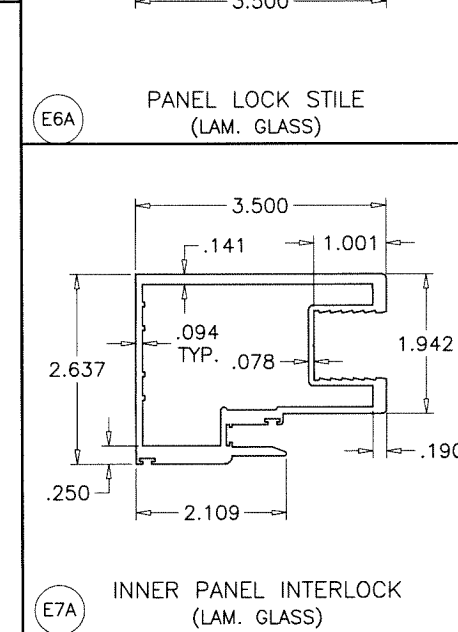
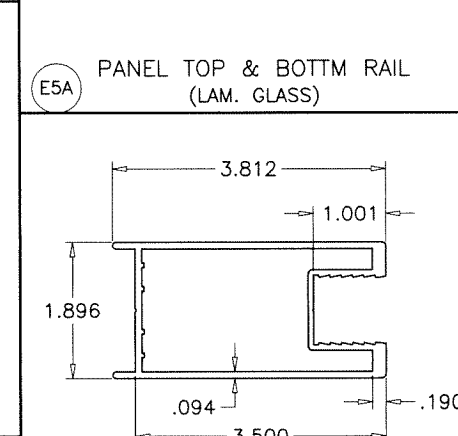
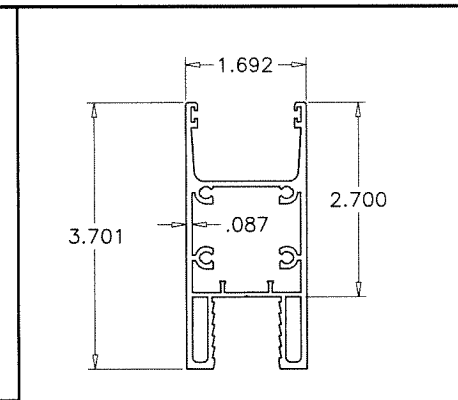
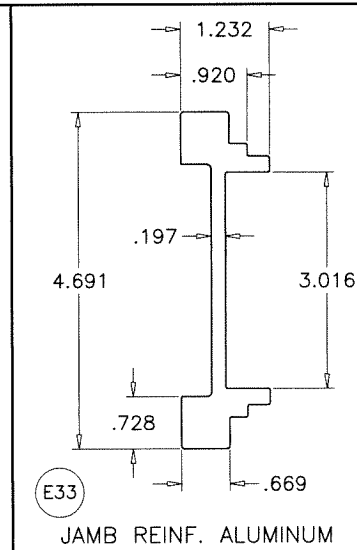
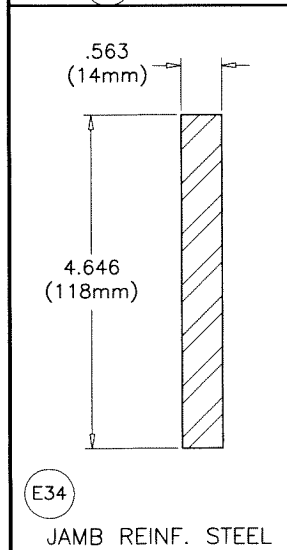
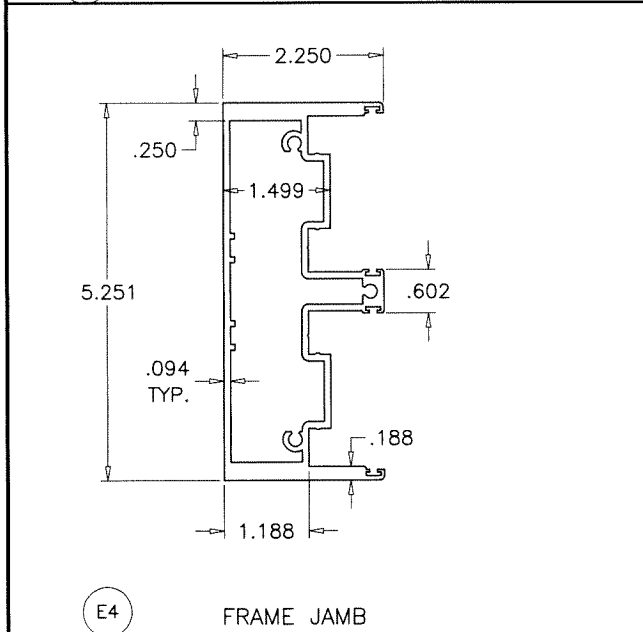
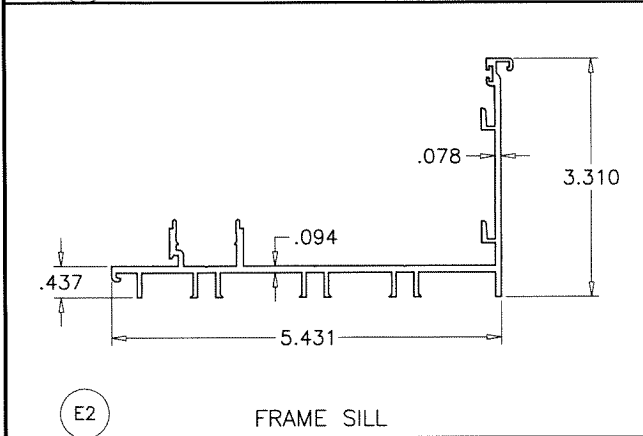
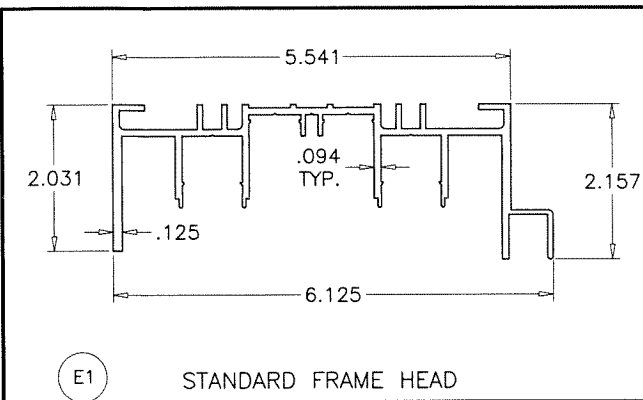
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 262-6978
COMP-ANL 18-45F-ESW

SERIES ES-6500 ULTRA ALUM S.G. DOOR (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
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revisions:	no	date	by	description
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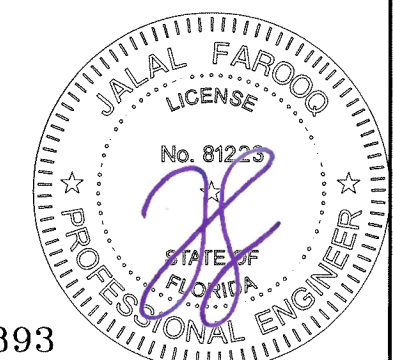
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drawing no.
18-45F
sheet 11 of 13



Sealed: 9/22/2026

FL #17893



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9360 SUNSET DRIVE, SUITE 220
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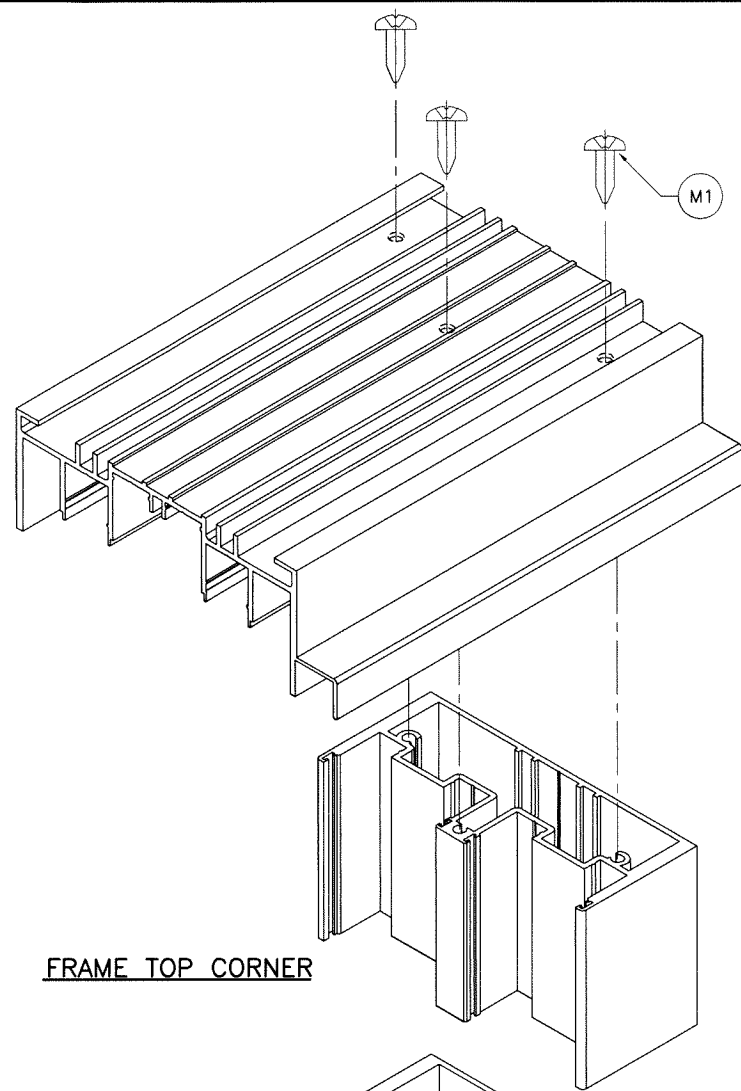
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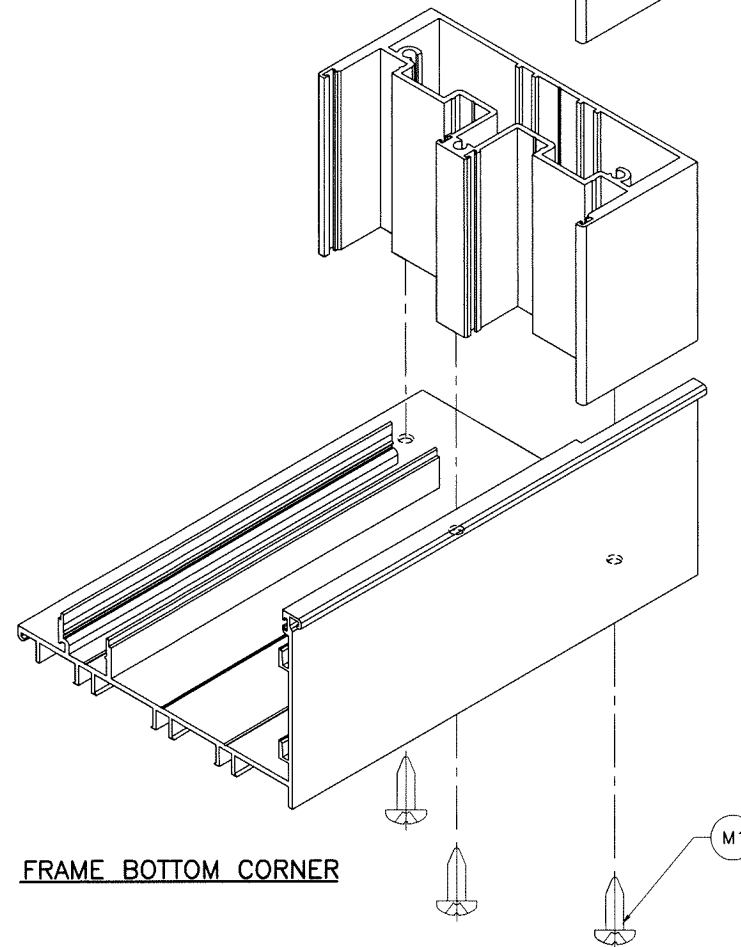
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chk. by:

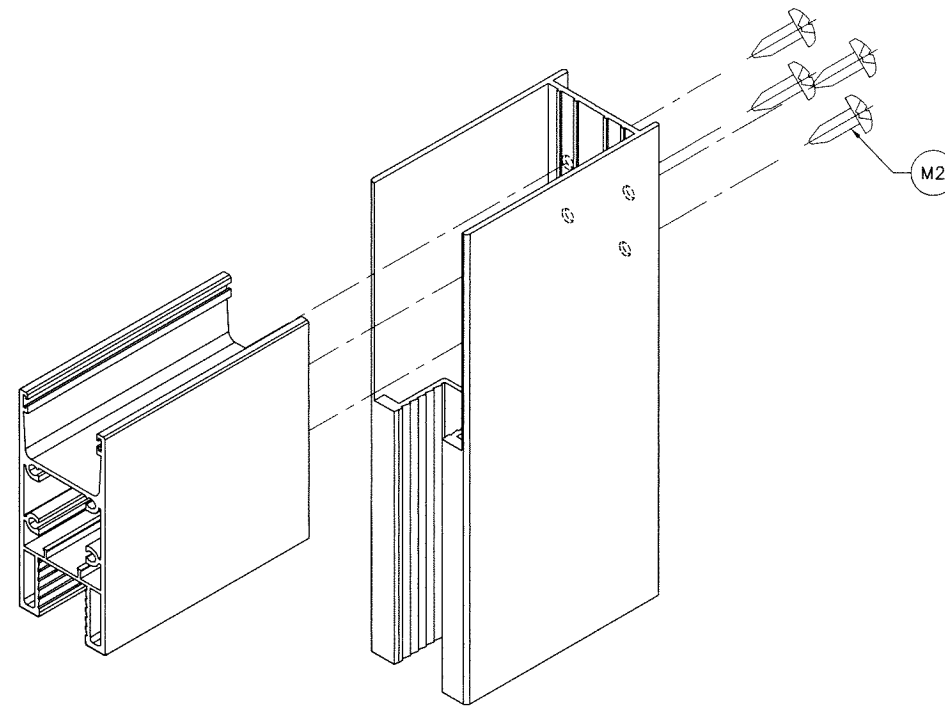
drawing no.
18-45F
sheet 12 of 13



FRAME TOP CORNER

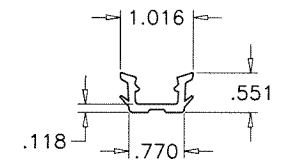


FRAME BOTTOM CORNER



PANEL TOP/BOTTOM CORNER

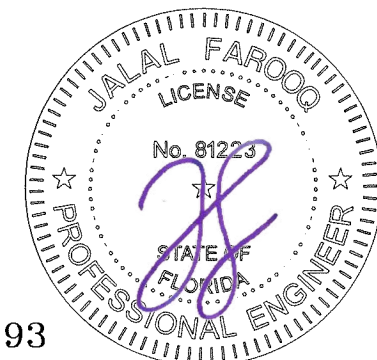
LAM. GLASS RAIL & STILE (SHOWN)
INSUL. LAM. GLASS RAIL & STILE (SIMILAR)



M7 GLAZING GASKET

BASE POLYMER = EPDM RUBBER
DENSITY = 10.26 Lbs/Gal
HARDNESS = 70±5
TENSILE STRENGTH = 905 PSI
ELONGATION AT BREAK = 273%
TEAR STRENGTH = 1.343 Kip/ft
BRITTLENESS TEMPERATURE = -40° F
COMPRESSION SET = 27% (22h@158°F)

Sealed: 9/22/2026



FL #17893

af c
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sheet 13 of 13