

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

**Coastline Bi-Fold Door IZ4 (9')**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH 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 HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

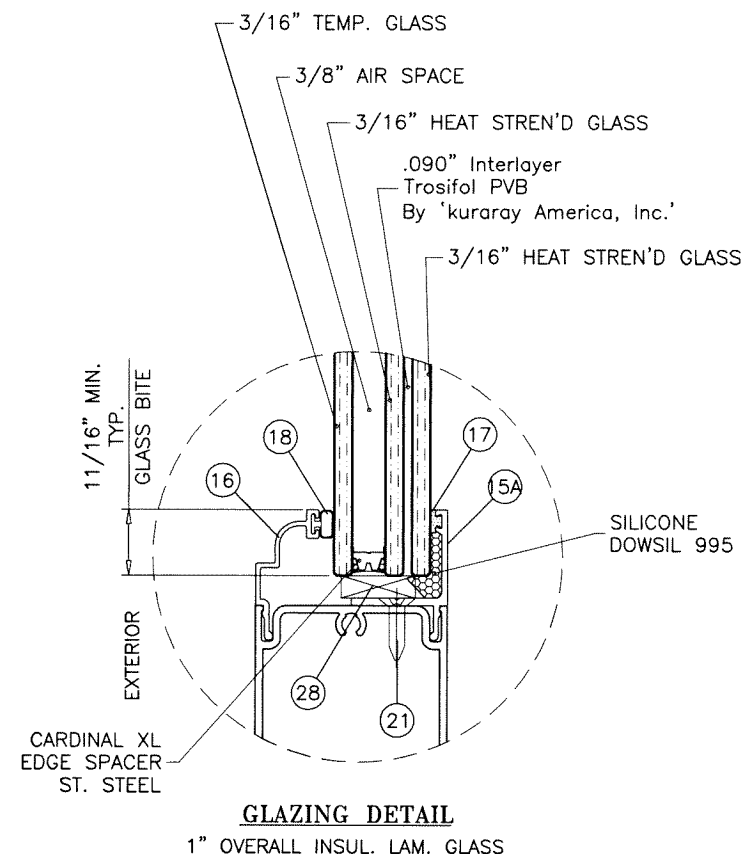
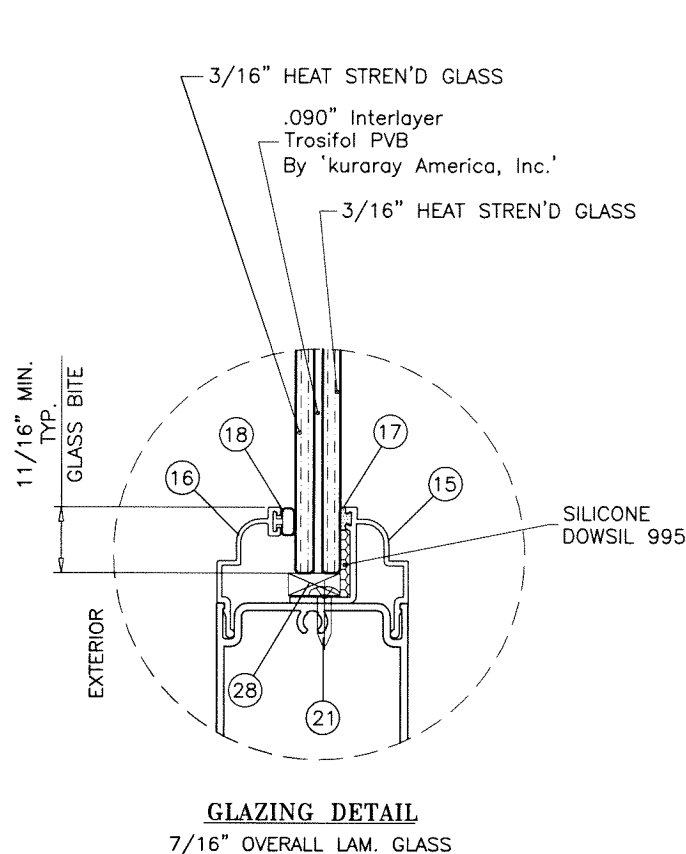
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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

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.

DOORS WITH STANDARD BOTTOM TRACK (SIW802) APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

DOORS WITH LOW PROFILE BOTTOM TRACK (SIW804) NOT APPROVED FOR WATER RESISTANCE.



NOTE:  
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

Sealed: 7/25/2023

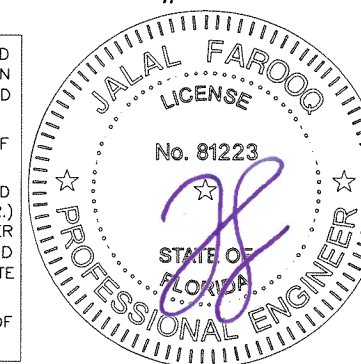
FL #33612

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 333173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL 19-121F-SIW

Coastline Bi-Fold Door IZ4 (9')  
**MARVIN**  
PO Box 100, 401 State Ave. N.  
Warroad, MN. 56763  
Tel. (218) 386-1430 Ext. 2143

no	date	description
A	08.25.20	UPDATED TO 2020 FBC
B	07.25.23	UPDATED TO 2023 FBC

revisions:

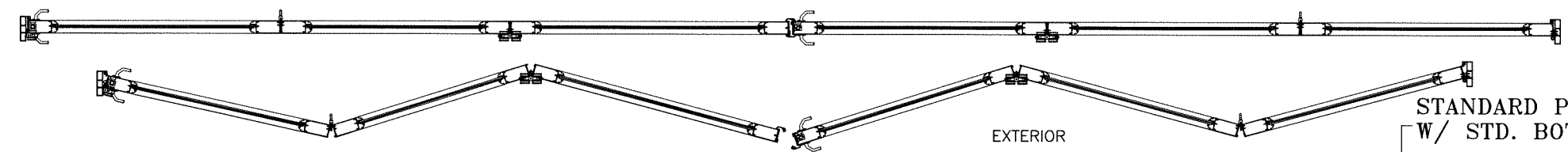
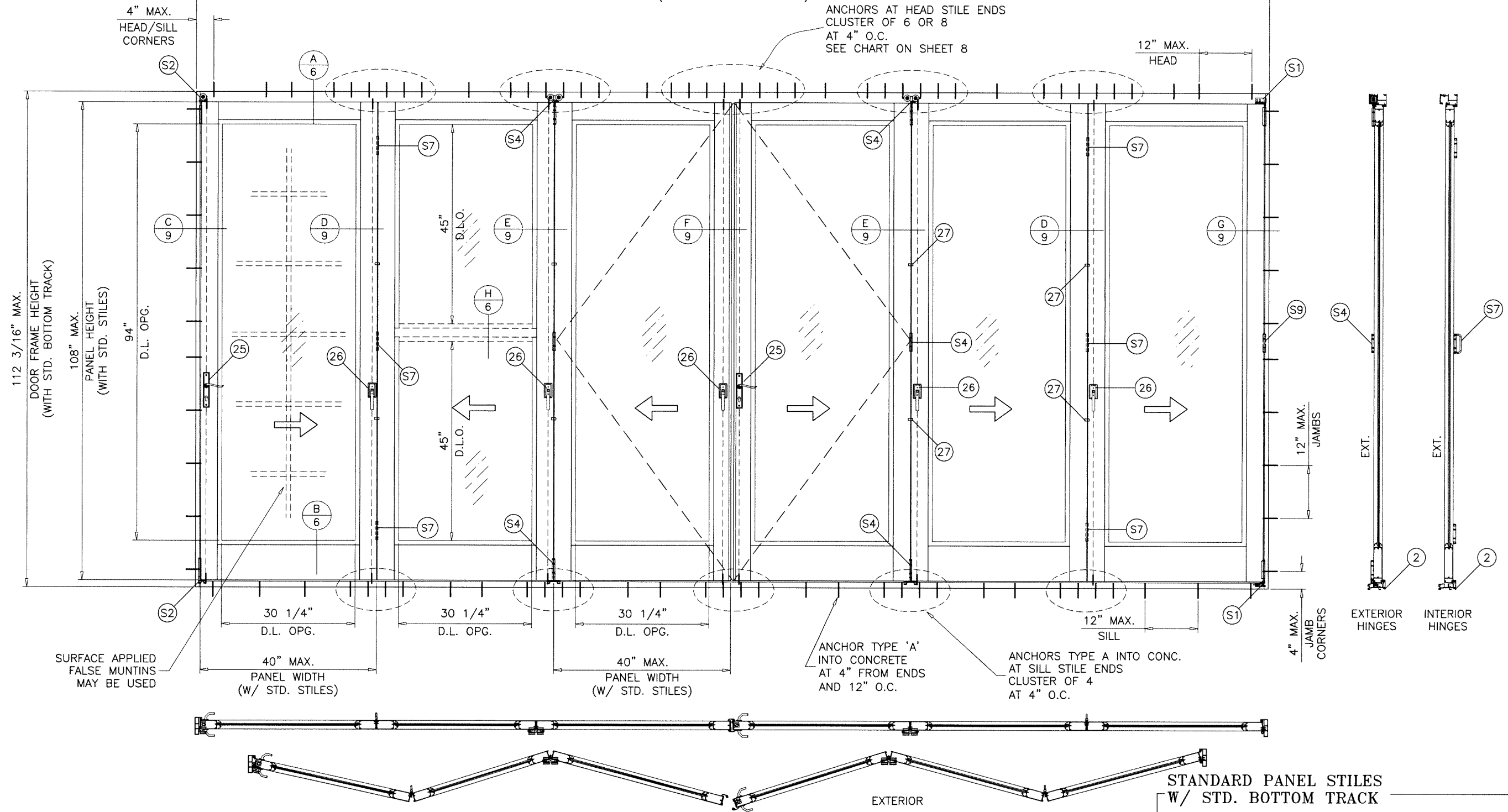
date: 11-13-19  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**19-121F**

sheet 1 of 15

243 5/8" (MAX.)  
DOOR FRAME WIDTH  
(WITH STD. PANEL STILES)

ANCHORS AT HEAD STILE ENDS  
CLUSTER OF 6 OR 8  
AT 4" O.C.  
SEE CHART ON SHEET 8



**TYPICAL ELEVATION** PANELS TESTED CONFIGURATION)  
BI-FOLD DOOR WITH OUT-SWING LEAFS  
STANDARD PANEL STILES AND STANDARD BOTTOM TRACK

STANDARD PANEL STILES  
W/ STD. BOTTOM TRACK  
MAXIMUM DESIGN LOAD RATING = + 70.0 PSF  
(FOR LEAF SIZE SHOWN OR SMALLER) - 70.0 PSF  
AS PERMITTED BY FBC REQUIREMENTS

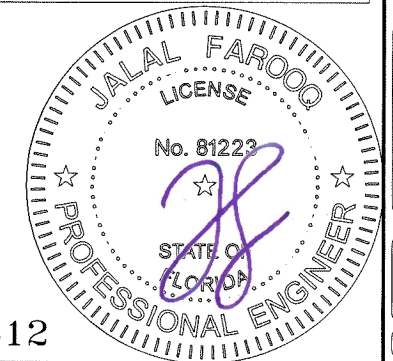
**PANEL SIZE:**  
NOM. PANEL WIDTH = (DOOR FRAME WIDTH - 3.625")/6  
PANEL HEIGHT = DOOR FRAME HEIGHT - 4.188"

**DAYLITE OPENINGS:**  
DLO WIDTH = NOM. PANEL WIDTH - 9.750"  
DLO HEIGHT = PANEL HEIGHT - 14"

SIX PANEL DOOR CONFIGURATION WITH FOLDING AND SWING PANELS SHOWN.  
DOOR MAY HAVE 9 OR 10 PANELS AS SHOWN ON CHARTS ON SHEET 8  
USING THE STILE CONFIGURATIONS SHOWN HEREIN.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

Sealed: 7/25/2023



FL #33612

**af c**  
**AL-FAROOQ CORPORATION**  
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no	date	description

date: 11-13-19  
scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:

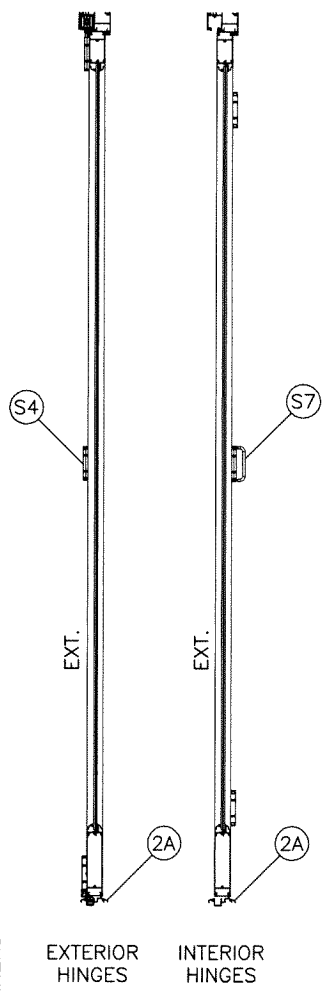
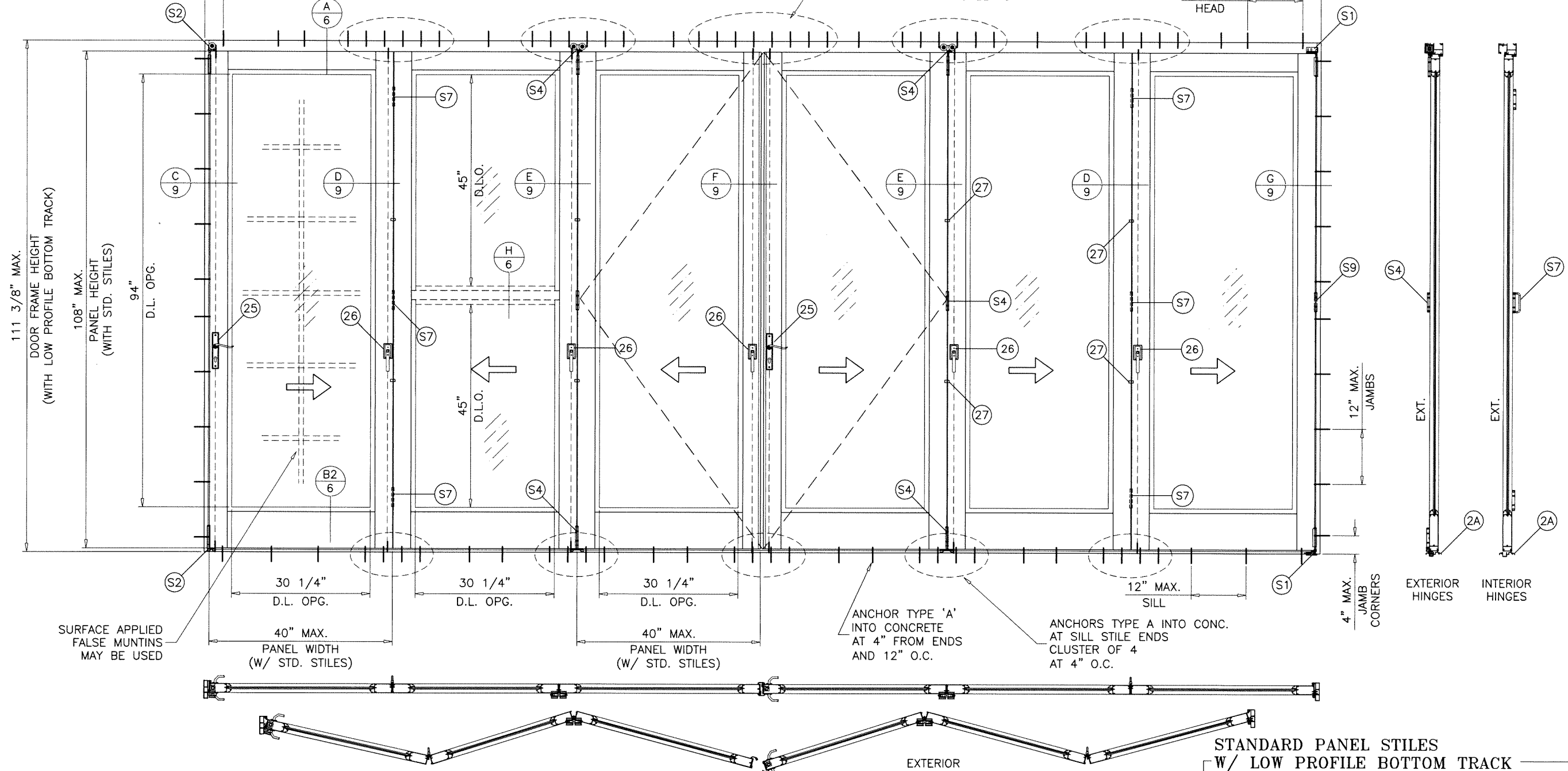
drawing no.  
**19-121F**  
sheet 2 of 15

243 5/8" (MAX.)  
DOOR FRAME WIDTH  
(WITH STD. PANEL STILES)

ANCHORS AT HEAD STILE ENDS  
CLUSTER OF 6 OR 8  
AT 4" O.C.  
SEE CHART ON SHEET 8

12" MAX.  
HEAD

4" MAX.  
HEAD/SILL  
CORNERS



**TYPICAL ELEVATION** (6 PANELS CONFIGURATION)  
BI-FOLD DOOR WITH OUT-SWING LEAFS  
STANDARD PANEL STILES AND LOW PROFILE BOTTOM TRACK

SIX PANEL DOOR CONFIGURATION WITH FOLDING AND SWING PANELS SHOWN.  
DOOR MAY HAVE 9 OR 10 PANELS AS SHOWN ON CHARTS ON SHEET 8  
USING THE STILE CONFIGURATIONS SHOWN HEREIN.

NOTE:  
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STANDARD PANEL STILES  
W/ LOW PROFILE BOTTOM TRACK \*  
MAXIMUM DESIGN LOAD RATING = + 70.0 PSF  
(FOR LEAF SIZE SHOWN OR SMALLER) - 70.0 PSF  
AS PERMITTED BY FBC REQUIREMENTS

\* NOT APPROVED FOR WATER RESISTANCE.



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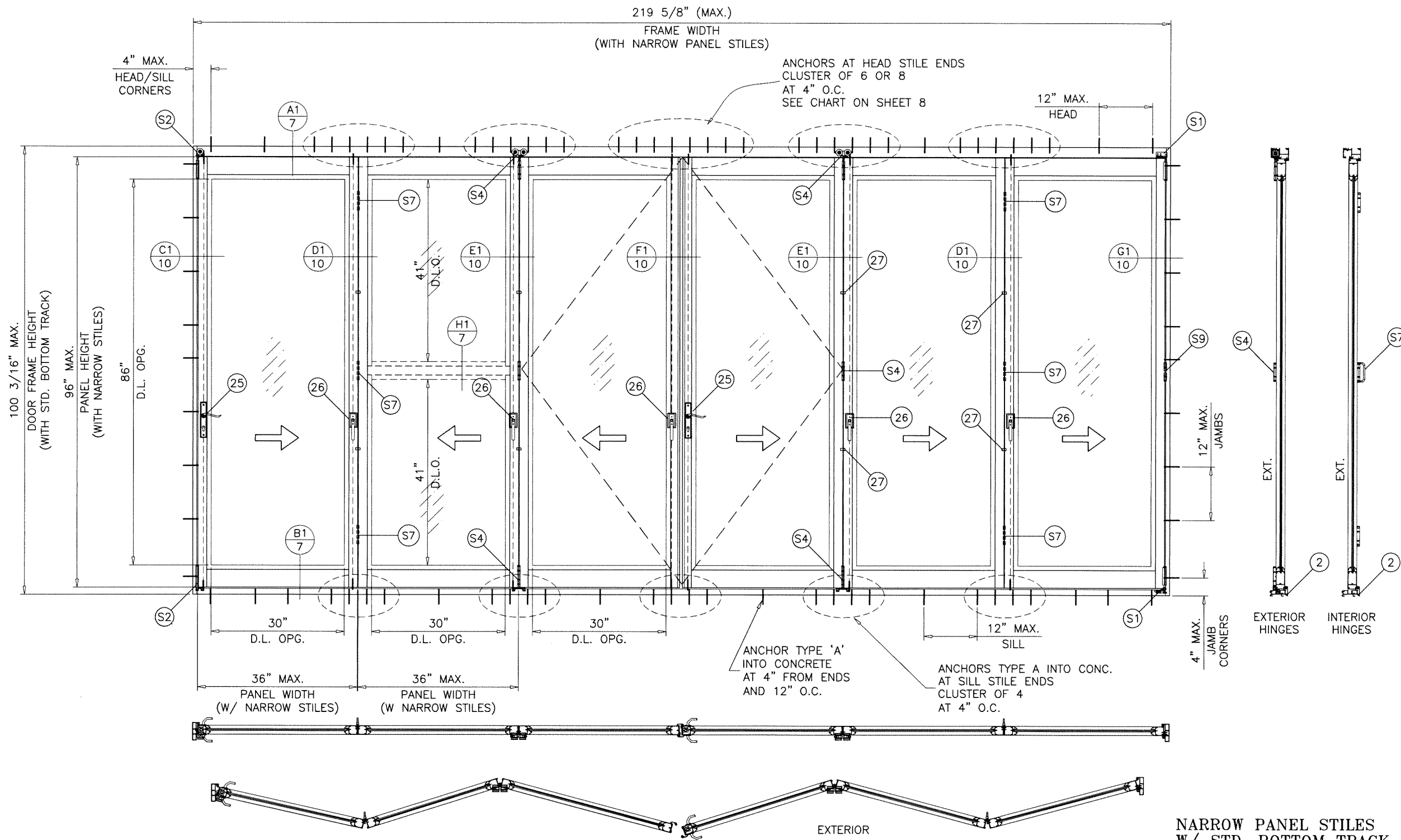
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scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:   

drawing no.  
**19-121F**  
sheet 3 of 15





**TYPICAL ELEVATION** (6 PANELS CONFIGURATION)

BI-FOLD DOOR WITH OUT-SWING LEAFS  
NARROW PANEL STILES AND STANDARD BOTTOM TRACK

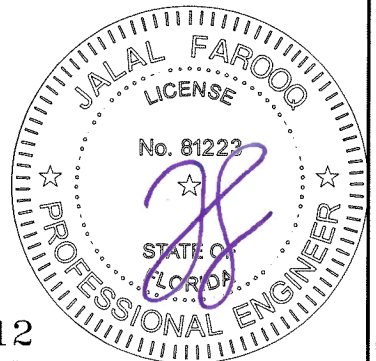
SIX PANEL DOOR CONFIGURATION WITH FOLDING AND SWING PANELS SHOWN.  
DOOR MAY HAVE 9 OR 10 PANELS AS SHOWN ON CHARTS ON SHEET 8  
USING THE STILE CONFIGURATIONS SHOWN HEREIN.

**PANEL SIZE:**  
NOM. PANEL WIDTH = (DOOR FRAME WIDTH - 3.625")/6  
PANEL HEIGHT = DOOR FRAME HEIGHT - 4.188"

**DAYLITE OPENINGS:**  
DLO WIDTH = NOM. PANEL WIDTH - 6.000"  
DLO HEIGHT = PANEL HEIGHT - 10"

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

**NARROW PANEL STILES  
W/ STD. BOTTOM TRACK**  
MAXIMUM DESIGN LOAD RATING = + 60.0 PSF  
(FOR LEAF SIZE SHOWN OR SMALLER) - 60.0 PSF  
AS PERMITTED BY FBC REQUIREMENTS



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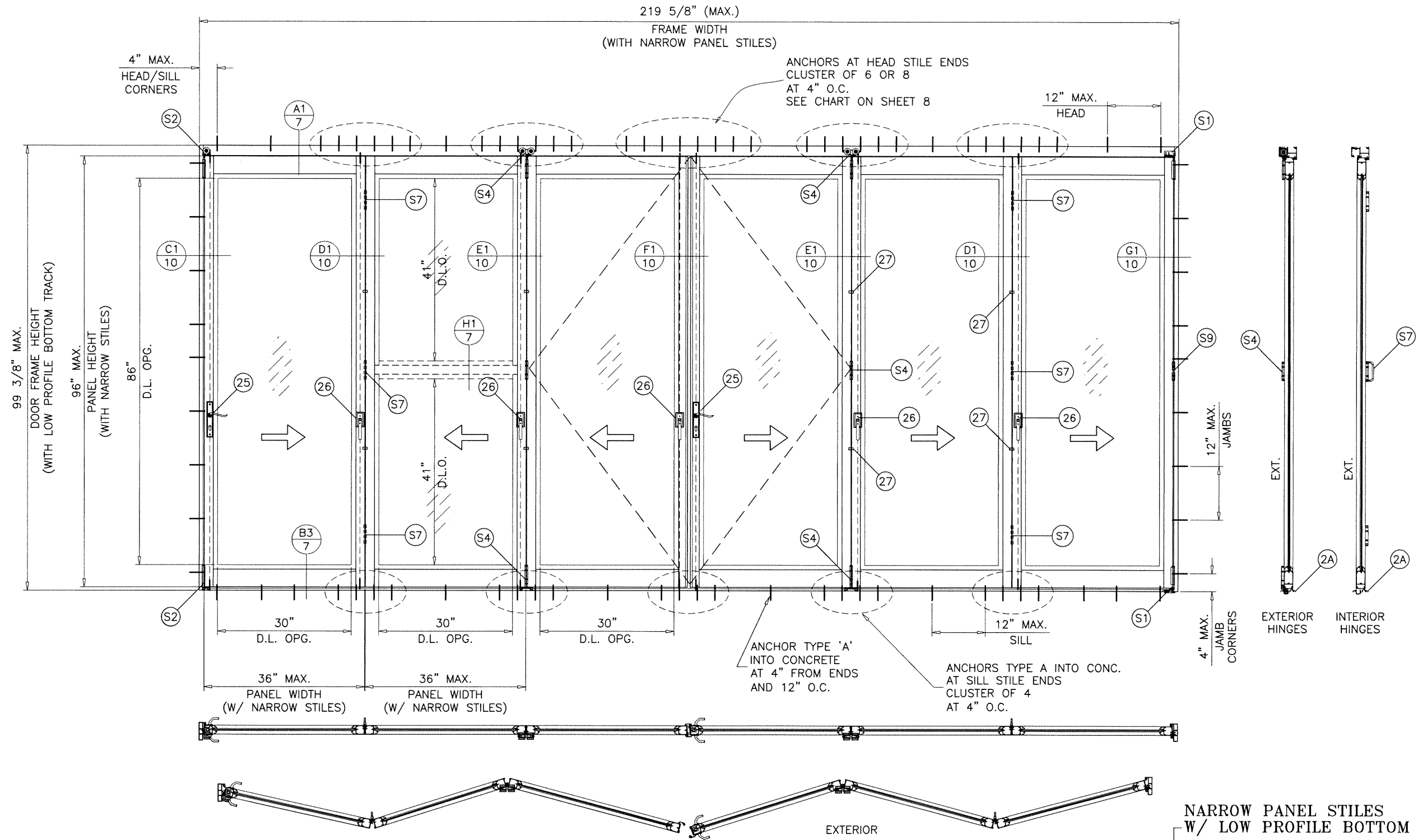
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date: 11-13-19  
scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:

drawing no.  
**19-121F**  
sheet 4 of 15



**TYPICAL ELEVATION** (6 PANELS CONFIGURATION)  
 BI-FOLD DOOR WITH OUT-SWING LEAFS  
 NARROW PANEL STILES AND LOW PROFILE BOTTOM TRACK

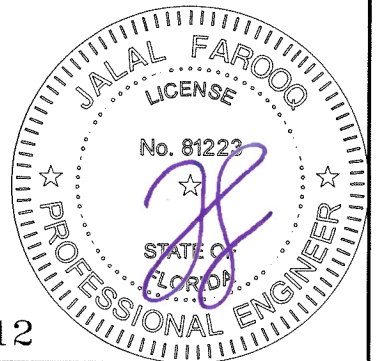
SIX PANEL DOOR CONFIGURATION WITH FOLDING AND SWING PANELS SHOWN.  
 DOOR MAY HAVE 9 OR 10 PANELS AS SHOWN ON CHARTS ON SHEET 8  
 USING THE STILE CONFIGURATIONS SHOWN HEREIN.

**PANEL SIZE:**  
 NOM. PANEL WIDTH = (DOOR FRAME WIDTH - 3.625")/6  
 PANEL HEIGHT = DOOR FRAME HEIGHT - 3.375"

**DAYLITE OPENINGS:**  
 DLO WIDTH = NOM. PANEL WIDTH - 6.000"  
 DLO HEIGHT = PANEL HEIGHT - 10"

NOTE:  
 GLASS CAPACITIES ON THIS SHEET ARE  
 BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
 AND FLORIDA BUILDING COMMISSION  
 DECLARATORY STATEMENT DCA05-DEC-219

**NARROW PANEL STILES  
 W/ LOW PROFILE BOTTOM TRACK** \*  
 MAXIMUM DESIGN LOAD RATING = + 60.0 PSF  
 (FOR LEAF SIZE SHOWN OR SMALLER) - 60.0 PSF  
 AS PERMITTED BY FBC REQUIREMENTS  
 \* NOT APPROVED FOR WATER RESISTANCE.



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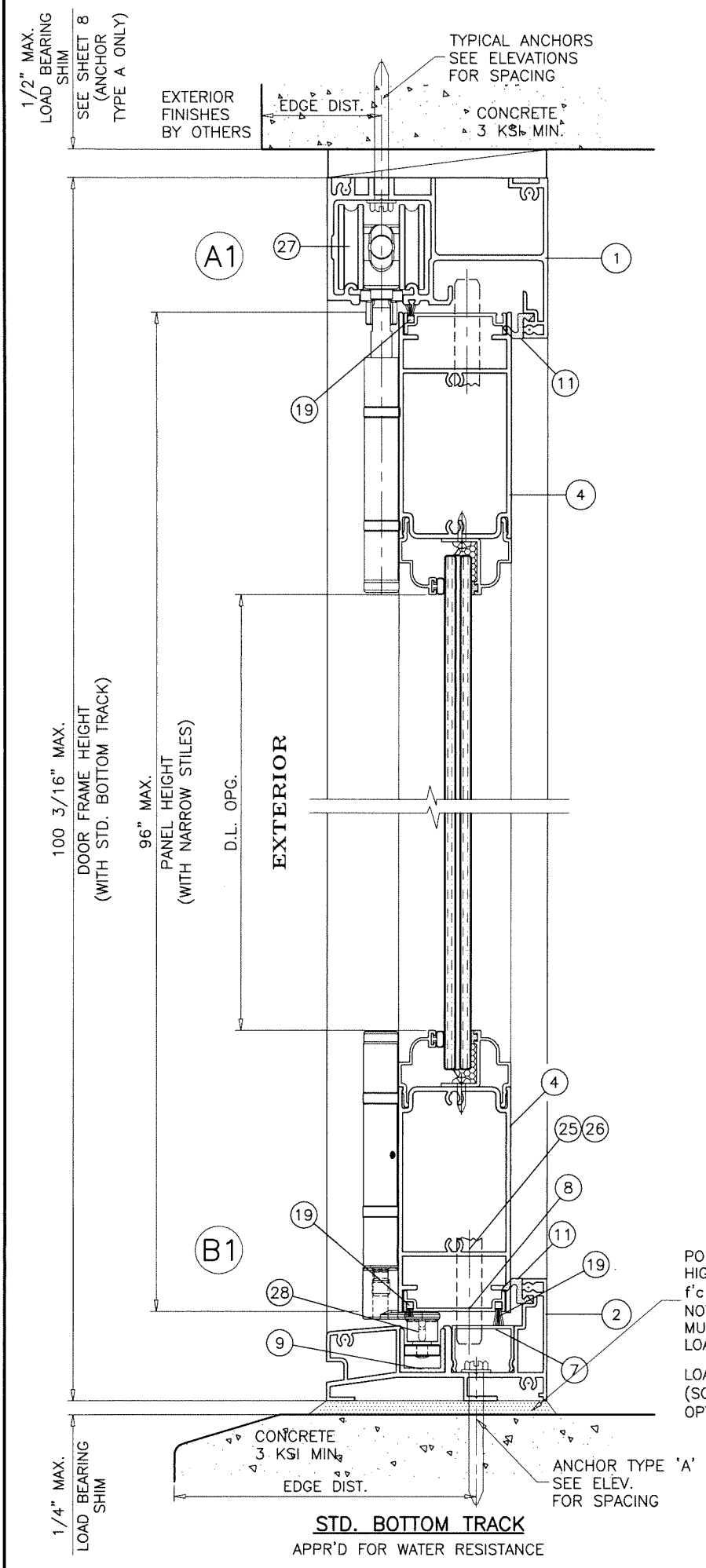
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**19-121F**  
 sheet 5 of 15





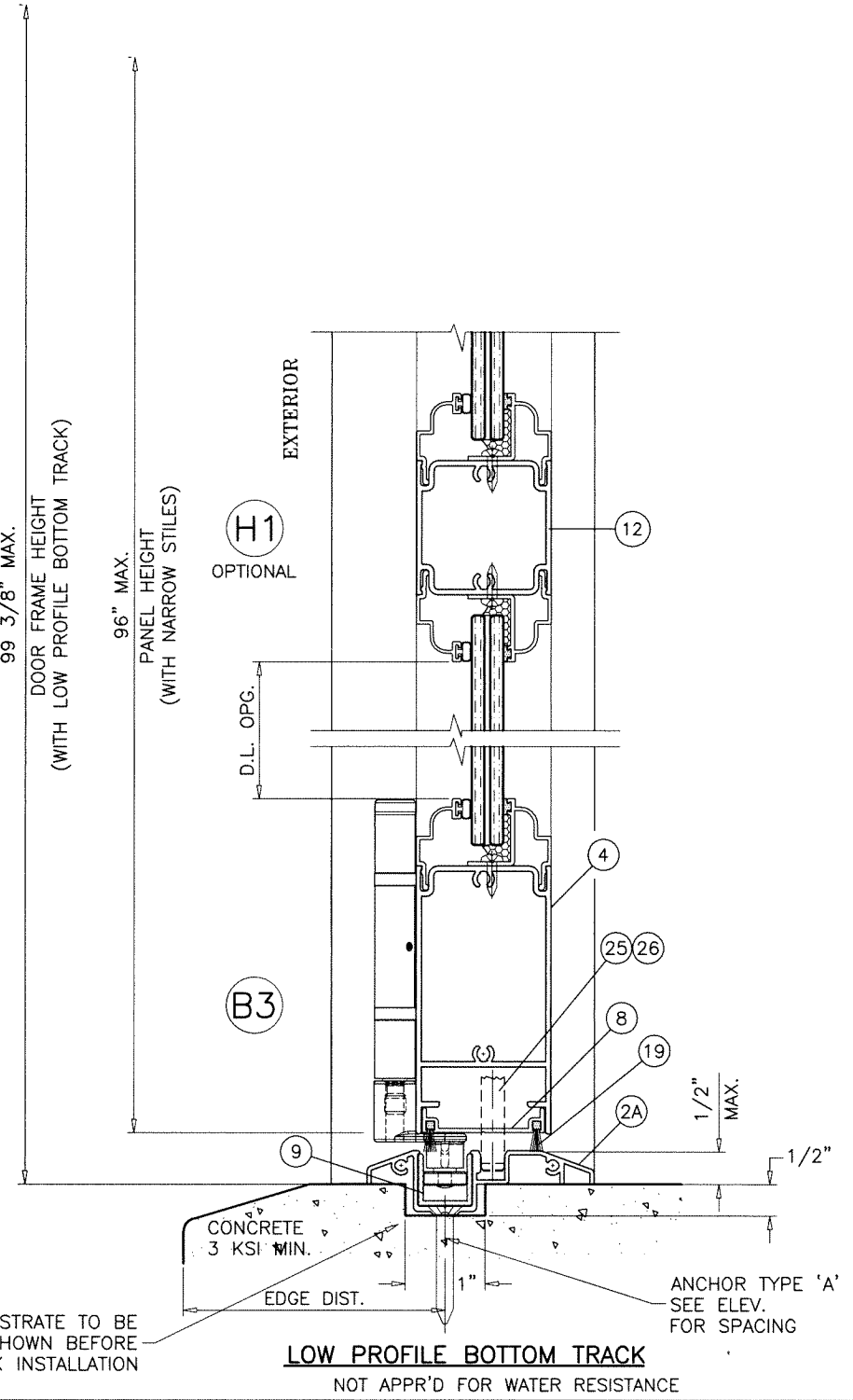
VERTICAL SECTION  
DOORS WITH NARROW STILES



POURED & HARDENED  
HIGH STRENGTH GROUT  
f'c = 5000 PSI MIN.  
NOT BY 'MARVIN'  
MUST TRANSFER SHEAR  
LOADS TO STRUCTURE

LOAD BEARING  
(SOLID SHIMS  
OPTIONAL TO GROUT)

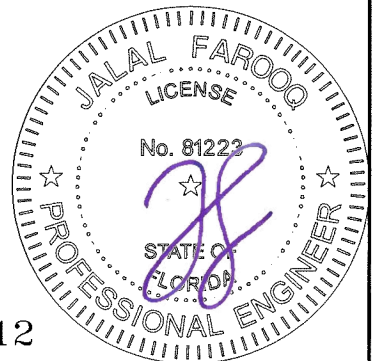
CONCRETE SUBSTRATE TO BE  
RECESSED AS SHOWN BEFORE  
LOW TRACK INSTALLATION



PANEL WITH NARROW STILES LIMIT  
SEE Dp IN SHEETS 4 & 5

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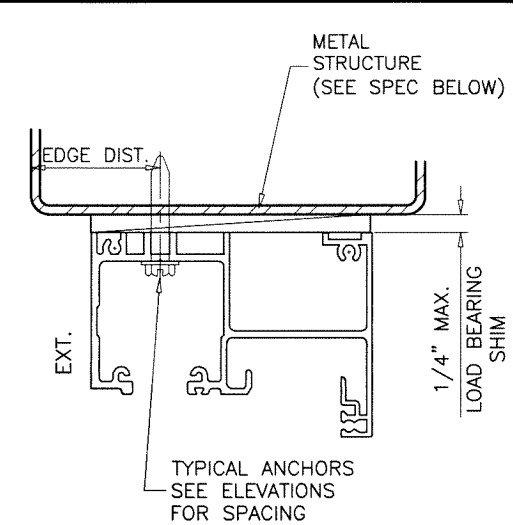
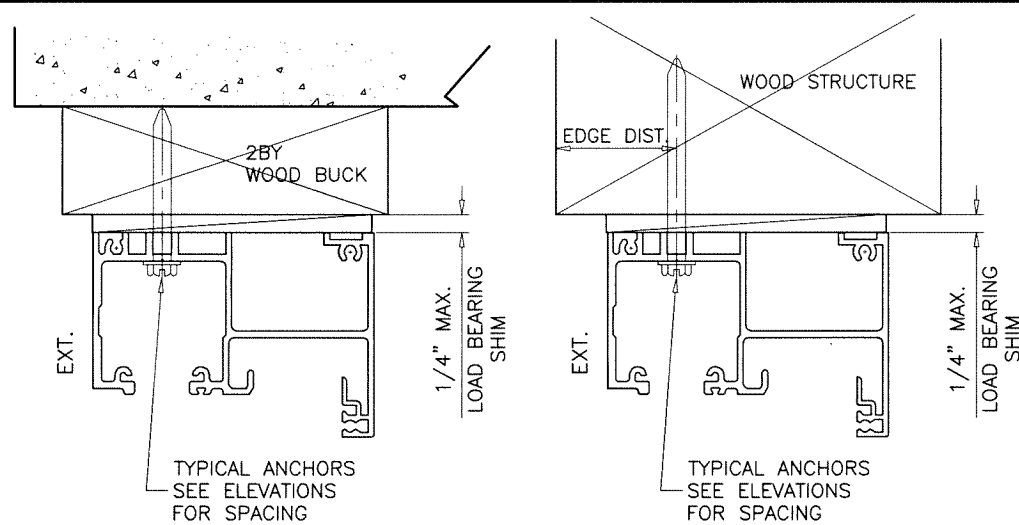
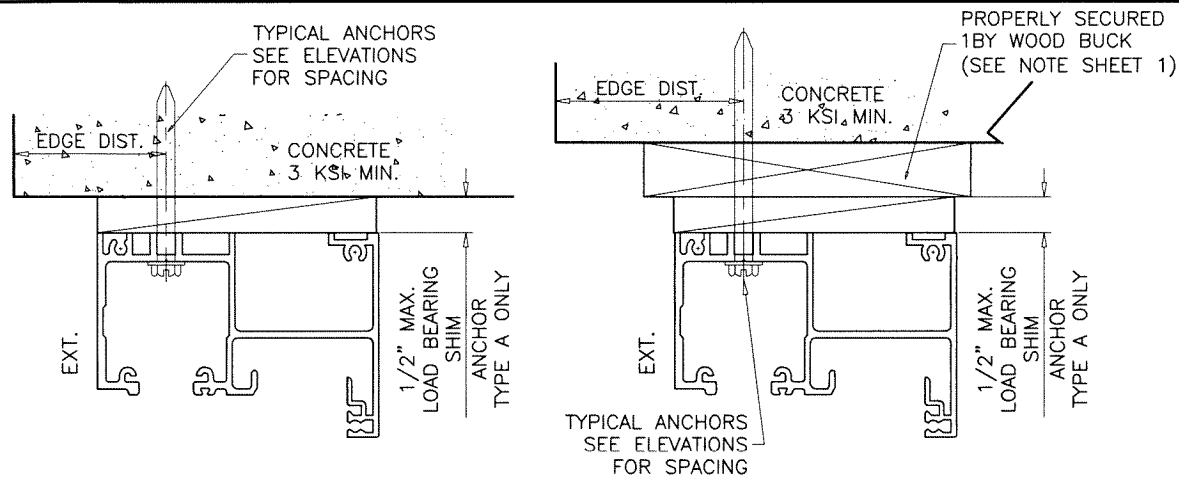
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revisions:	no.	date	by	description

date: 11-13-19  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**19-121F**

sheet 7 of 15



HEAD ANCHORS LOAD CAPACITY - PSF (PANELS W/ STD. STILES)

ANCHOR TYPE		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		ANCHOR TYPE 'B1'		ANCHOR 'C'		
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	MAXIMUM NUMBER OF PANELS ALLOWED	6 ANCHORS AT MTG. STILE ENDS		8 ANCHORS AT MTG. STILE ENDS		6 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. (-)
24	84	10	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
28		10	70.0	70.0	66.0	70.0	70.0	70.0	70.0	70.0
32		10	70.0	70.0	57.0	70.0	70.0	70.0	70.0	70.0
36		10	70.0	70.0	51.0	69.0	63.0	70.0	70.0	70.0
40		10	70.0	70.0	45.0	62.0	57.0	70.0	70.0	70.0
24	98	10	70.0	70.0	66.0	70.0	70.0	70.0	70.0	70.0
28		10	70.0	70.0	56.0	70.0	70.0	70.0	70.0	70.0
32		10	70.0	70.0	49.0	66.0	61.0	70.0	70.0	70.0
36		10	68.0	70.0	43.0	58.0	54.0	70.0	70.0	70.0
40		10	61.0	70.0	38.0	52.0	48.0	65.0	70.0	70.0
24	108	10	70.0	70.0	60.0	70.0	70.0	70.0	70.0	70.0
28		10	70.0	70.0	51.0	69.0	63.0	70.0	70.0	70.0
32		10	70.0	70.0	44.0	60.0	55.0	70.0	70.0	70.0
36		10	62.0	70.0	39.0	53.0	49.0	66.0	70.0	70.0
40		9	55.0	70.0	34.0	47.0	44.0	59.0	70.0	70.0
24	112-3/16	10	70.0	70.0	57.0	70.0	70.0	70.0	70.0	70.0
28		10	70.0	70.0	49.0	66.0	61.0	70.0	70.0	70.0
32		10	67.0	70.0	42.0	57.0	53.0	70.0	70.0	70.0
36		10	59.0	70.0	37.0	51.0	47.0	63.0	70.0	70.0
40		9	53.0	70.0	33.0	45.0	42.0	57.0	70.0	70.0

HEAD ANCHORS LOAD CAPACITY - PSF (PANELS W/ NARROW STILES)

ANCHOR TYPE		ANCHOR 'A'		ANCHOR TYPE 'B'		ANCHOR TYPE 'B1'		ANCHOR 'C'		
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	MAXIMUM NUMBER OF PANELS ALLOWED	6 ANCHORS AT MTG. STILE ENDS		8 ANCHORS AT MTG. STILE ENDS		6 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. (-)
24	84	10	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
28		10	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32		10	60.0	57.0	60.0	60.0	60.0	60.0	60.0	60.0
36		10	60.0	51.0	60.0	60.0	60.0	60.0	60.0	60.0
24	98	10	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
28		10	60.0	56.0	60.0	60.0	60.0	60.0	60.0	60.0
32		10	60.0	49.0	60.0	60.0	60.0	60.0	60.0	60.0
36		9	60.0	43.0	58.0	54.0	60.0	60.0	60.0	60.0
24	100-3/16	10	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
28		10	60.0	55.0	60.0	60.0	60.0	60.0	60.0	60.0
32		10	60.0	48.0	60.0	60.0	60.0	60.0	60.0	60.0
36		9	60.0	42.0	56.0	53.0	60.0	60.0	60.0	60.0

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**TYPE 'A'** - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
MIN. LENGTH = 3-1/4"  
DIRECTLY INTO CONC. OR MASONRY  
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)  
THRU 1BY BUCKS INTO CONC. OR MASONRY  
1-3/4" MIN. EMBED INTO CONCRETE (HEAD)  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

**TYPE 'B'** - #14 SMS (GRADE 2 CRS)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

**TYPE 'B1'** - #14 SMS (GRADE 2 CRS)  
INTO WOOD STRUCTURES  
2" MIN. PENETRATION INTO WOOD (HEAD)

**TYPE 'C'** - 1/4" DIA. KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI' (Fu=120 KSI, Fy=92 KSI)  
INTO F.B.C. APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)  
(3) THREADS MIN. PENETRATION BEYOND 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)

**TYPICAL EDGE DISTANCE**

INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 1" 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 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

WOOD BUCKS AND METAL STRUCTURE NOT BY 'MARVIN'  
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM  
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

NOTE:  
FOR DOOR CAPACITY WITH STD. STILES SEE SHEETS 2 & 3  
FOR DOOR CAPACITY WITH NARROW STILES SEE SHEETS 4 & 5  
FOR ANCHOR CAPACITY SEE CHART ABOVE  
LOWER VALUES FROM DOOR CAPACITY OR ANCHOR CAPACITY  
CHART WILL APPLY TO ENTIRE SYSTEM.

Sealed: 7/25/2023



FL #33612

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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL 19-121F-SIW

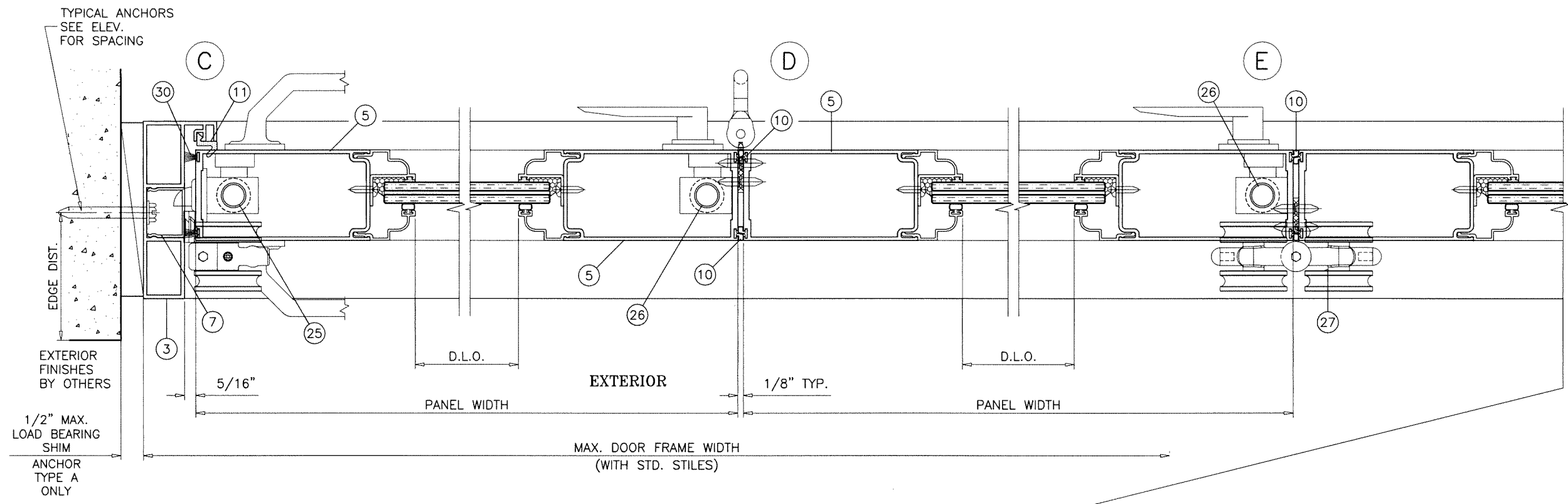
Coastline Bi-Fold Door IZ4 (9')  
**MARVIN**  
PO Box 100, 401 State Ave. N.  
Warroad, MN. 56763  
Tel. (218) 386-1430 Ext. 2143

revisions:	no	date	description

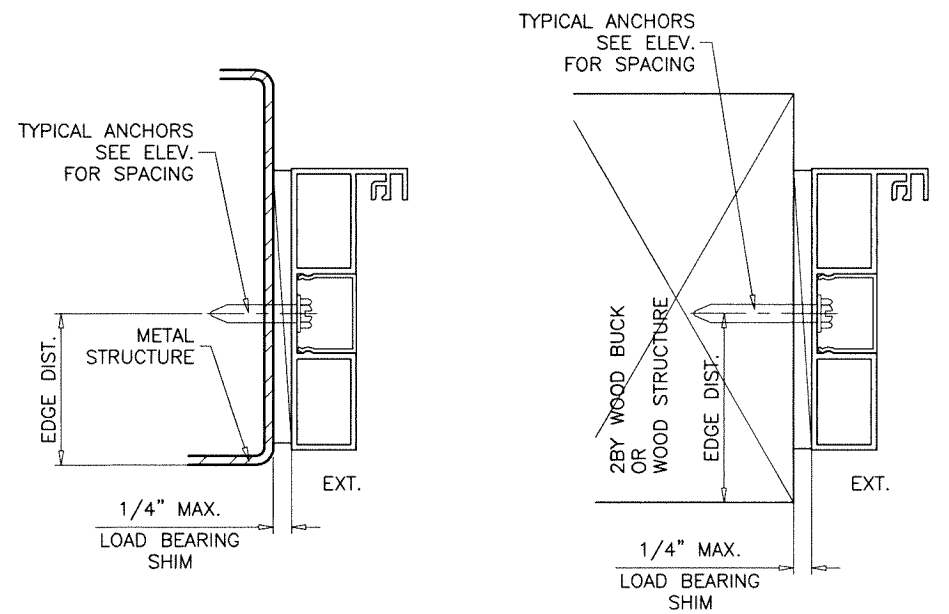
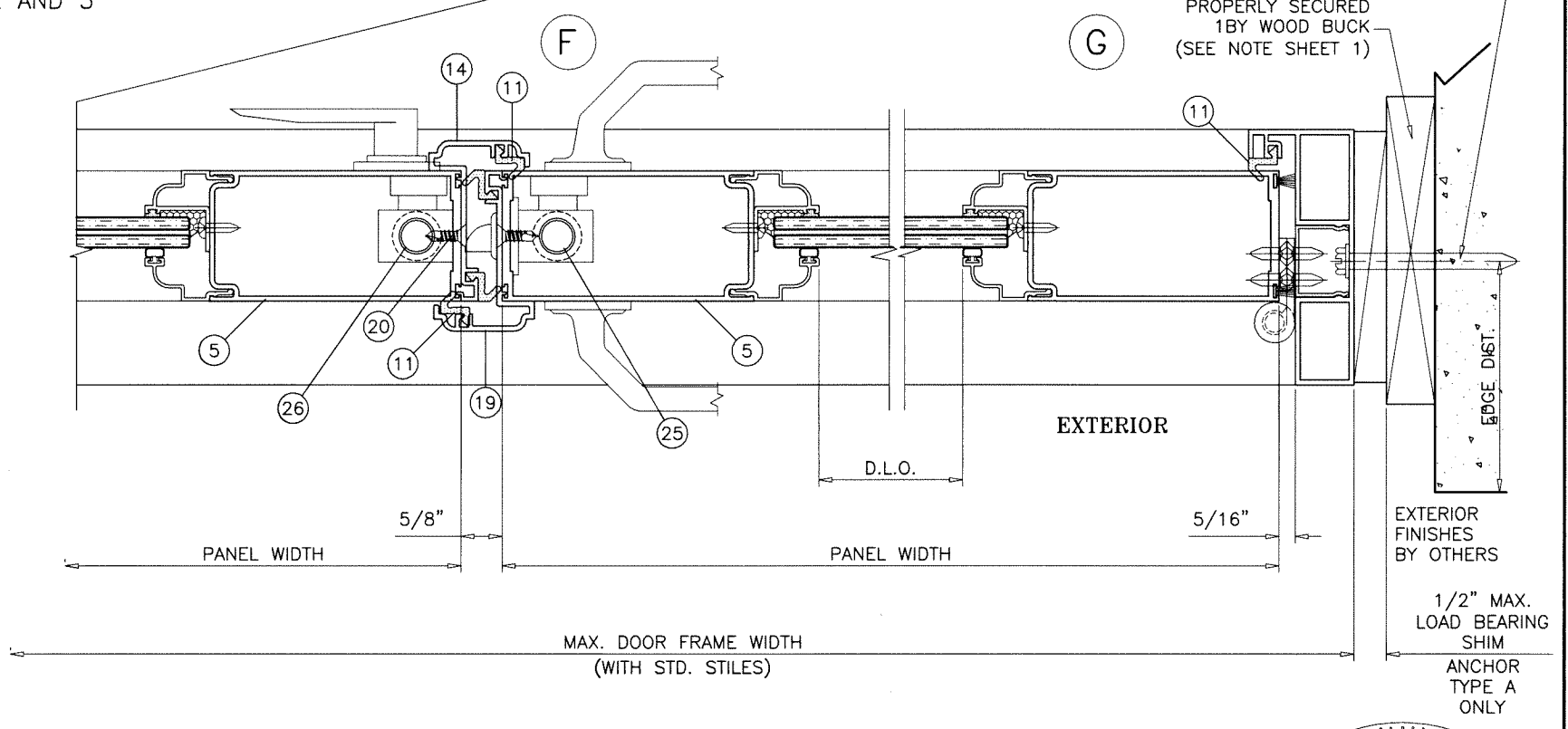
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dr. by: TARIQ	chk. by:

drawing no.  
**19-121F**  
sheet 8 of 15





FOR 6 PANEL CONFIGURATION SEE SHEETS 2 AND 3



HORIZONTAL SECTION  
DOORS WITH STD. STILES

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FL #33612



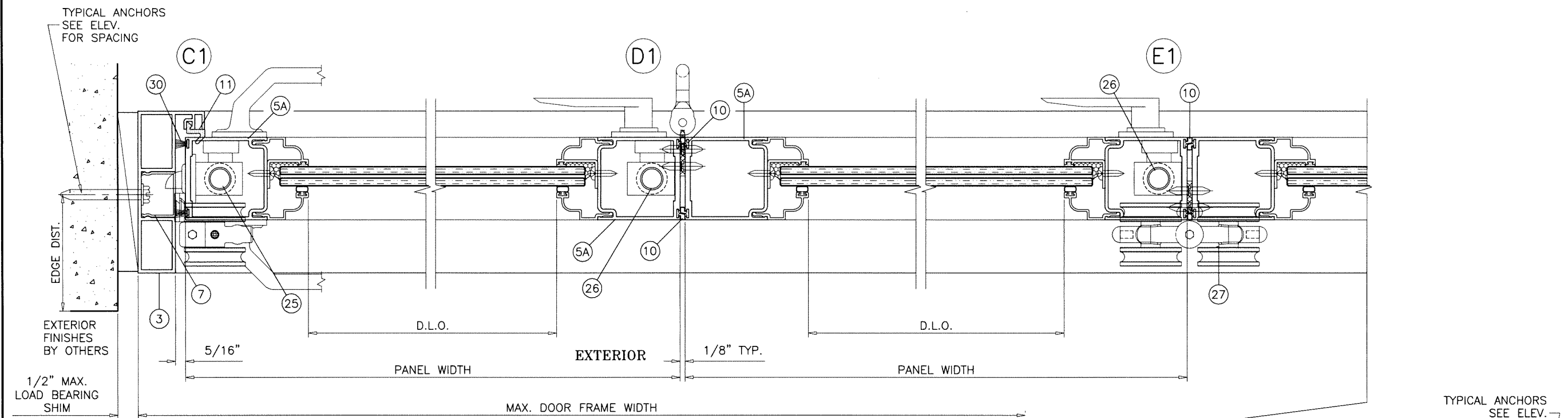
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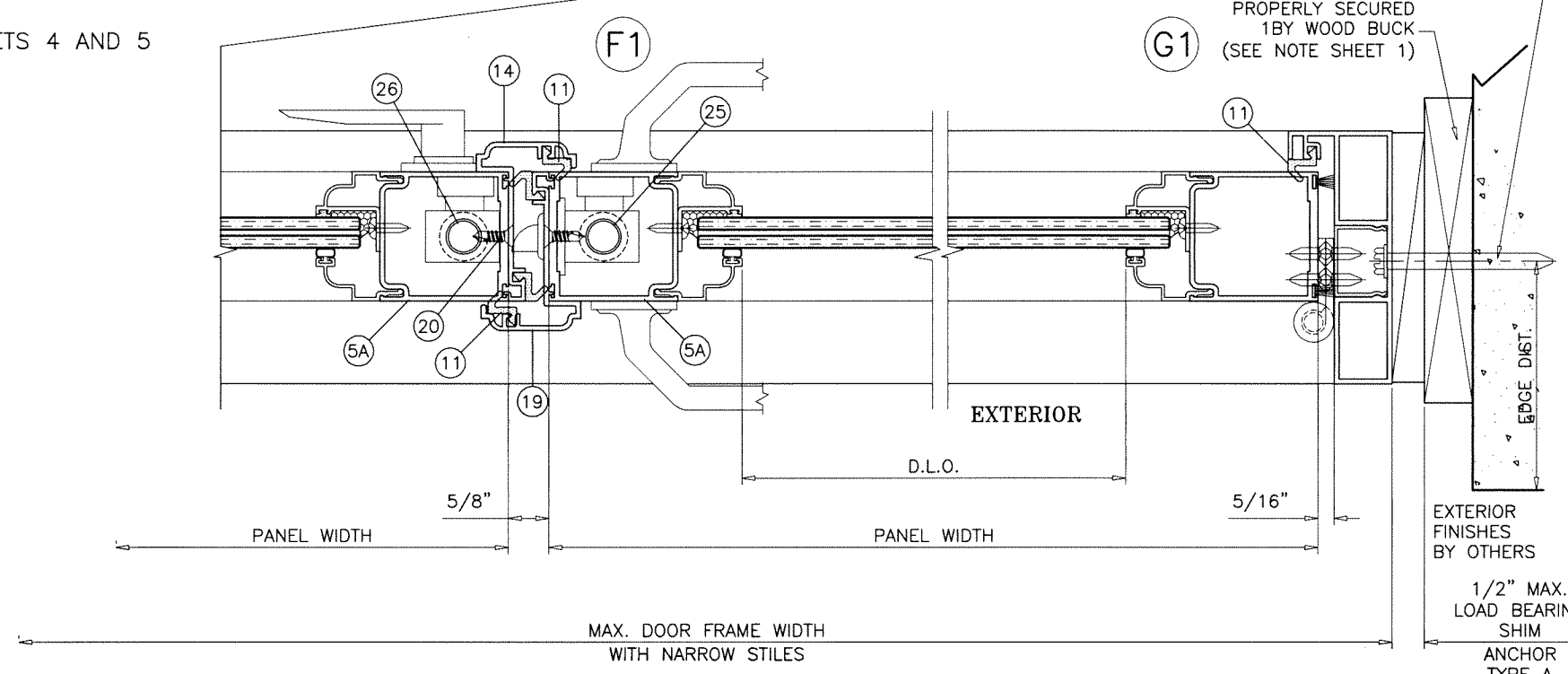
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**19-121F**  
 sheet 9 of 15



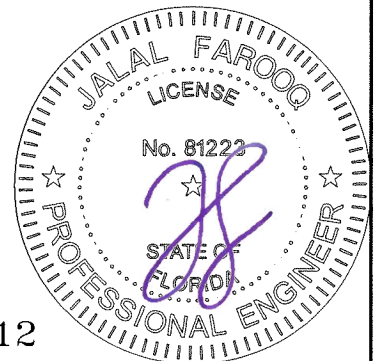
FOR 6 PANEL CONFIGURATION SEE SHEETS 4 AND 5



HORIZONTAL SECTION  
DOORS WITH NARROW STILES

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**19-121F**  
 sheet 10 of 15

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW801	1	TOP TRACK	6063-T6	SUPPLIER PER SIW SPEC.
2	SIW802	1	STD. BOTTOM TRACK	6063-T6	SUPPLIER PER SIW SPEC.
2A	SIW804	1	LOW PROFILE BOTTOM TRACK	6063-T6	SUPPLIER PER SIW SPEC.
3	SIW803	2	FRAME JAMB	6063-T6	SUPPLIER PER SIW SPEC.
4	SIW805	2/ PANEL	PANEL TOP RAIL (STD.) PANEL TOP & BOTTOM RAIL (NARROW)	6063-T6	SUPPLIER PER SIW SPEC.
4A	SIW814	1	PANEL BOTTOM RAIL (STD.)	6063-T6	SUPPLIER PER SIW SPEC.
5	SIW806	2/ PANEL	PANEL STILE (STD.)	6063-T6	SUPPLIER PER SIW SPEC.
5A	SIW813	2/ PANEL	PANEL STILE (NARROW)	6063-T6	SUPPLIER PER SIW SPEC.
6	SIW807	AS REQD.	PANEL ALIGNMENT CLIP	6063-T6	SUPPLIER PER SIW SPEC.
7	SIW808	AS REQD.	SILL AND JAMB SNAP COVER	6063-T6	SUPPLIER PER SIW SPEC.
8	SIW809	1/ PANEL	BOTTOM RAIL SWEEP ADAPTER	6063-T6	SUPPLIER PER SIW SPEC.
9	SIW810	1	BOTTOM TRACK LINER	POLYPROPYLENE	DUROMETER 62 SHORE D
10	SIW811	AS REQD.	BULB W'STRIPPING	SOFT PVC	CENTRAL PLASTICS, DUROMETER 67±5 SHRE A
11	U2132	AS REQD.	COMPRESSION W'STRIPPING	Q-LON	SUPPLIER PER SIW SPEC.
12	SIW816	AS REQD.	CHAIR RAIL	6063-T6	SUPPLIER PER SIW SPEC.
14	SIW815	AS REQD.	ASTRAGAL ADAPTER	6063-T6	SUPPLIER PER SIW SPEC.
15	SIW512	AS REQD.	INTERIOR GLASS STOP (LAM. GLASS)	6063-T6	SUPPLIER PER SIW SPEC.
15A	SIW520	AS REQD.	INTERIOR GLASS STOP (INSUL. LAM. GLASS)	6063-T6	SUPPLIER PER SIW SPEC.
16	SIW513	AS REQD.	EXTERIOR GLASS STOP	6063-T6	SUPPLIER PER SIW SPEC.
17	E20218	AS REQD.	INTERIOR GLAZING GASKET (DUROMETER 70±5)	TPE	ULTRAFAB
18	5530	AS REQD.	EXTERIOR GLAZING GASKET (DUROMETER 70±5)	SANTOPRENE	CENTRAL PLASTICS
19	1104-5601-9	AS REQD.	W'STRIPPING SK560-SKIRT	POLYPROPYLENE	SCHLEGEL
20	#8 X 3/4"	AS REQD.	ASTRAGAL SCREWS PH TEKS	-	AT 6" FROM ENDS & 16" O.C.
21	#8 X 1/2"	AS REQD.	GLASS STOP SCREWS SELF DRILLING	-	AT 6" FROM ENDS & 15" O.C.
24	#12 X 1-1/2"	AS REQD.	FRAME AND PANEL ASSEMBLY SCREWS	ST. STEEL	HWH SMS
25	DL01-6014	AS REQD.	THREE POINT LOCK	-	INTERLOCK, USA
26	BF01-6501	AS REQD.	TWO POINT LOCK	-	INTERLOCK, USA
27	SIW830	AS REQD.	LOCKING PINS IN NYLON BUSHINGS	-	-
28	-	2/ LITE	SETTING BLOCKS	EPDM	DUROMETER 85±5 SHORE A
29	W33321NG	AS REQD.	FINSEAL W'STRIPPING	-	ULTRAFAB
30	W23201N	AS REQD.	FINSEAL W'STRIPPING	-	ULTRAFAB
S1	BF05-6010-560	AS REQD.	PIVOT SET, SURFACE MOUNT	ST. STEEL	INTERLOCK, USA
S2	BF05-6020-560	AS REQD.	END HANGER SET, SURFACE MOUNT	ST. STEEL	INTERLOCK, USA
S4	BF05-6040-560	AS REQD.	INTERMEDIATE HANGER SET, SURFACE MOUNT	ST. STEEL	INTERLOCK, USA
S7	BF05-6070-560	AS REQD.	OFFSET HINGE HANDLE SET, SURFACE MOUNT	ST. STEEL	INTERLOCK, USA
S9	BF05-6015-560	AS REQD.	JAMB PIVOT HINGE	ST. STEEL	INTERLOCK, USA

**SEALANTS:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SMALL JOINT SEALER.

**LOCKS:**

- (25) 3 POINT LOCK SYSTEM (DL01-6014) BY INTERLOCK WITH ACTIVATING HANDLE AT 35-1/2" FROM BOTTOM FASTENED TO STILE WITH (2) #12 X 1/2" FH MACHINE SCREWS HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL 1/2" DIA. BULLET TIPS SHOOT BOLTS CONNECTED TO LOCK WITH 5/16" DIA. THREADED RODS
- (26) 2 POINT LOCK SYSTEM (BF01-6501) BY INTERLOCK WITH ARIA BIFOLD ACTIVATING HANDLE (BF01-6514) AT 36-1/4" FROM BOTTOM FASTENED TO STILE WITH (2) #10 X 3/4" TEKS HANDLE ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL 1/2" DIA. BULLET TIPS SHOOT BOLTS CONNECTED TO LOCK WITH 5/16" DIA. THREADED RODS
- (27) 1/2" DIA. BULLET TIP LOCKING PINS AT 20" AND 88" FROM BOTTOM ENGAGING IN 5/8" DIA. RECEIVING HOLES WITH NYLON BUSHING (#2550-HDG) BY 'MASSOUD & BROS.' IN OPPOSITE PANELS

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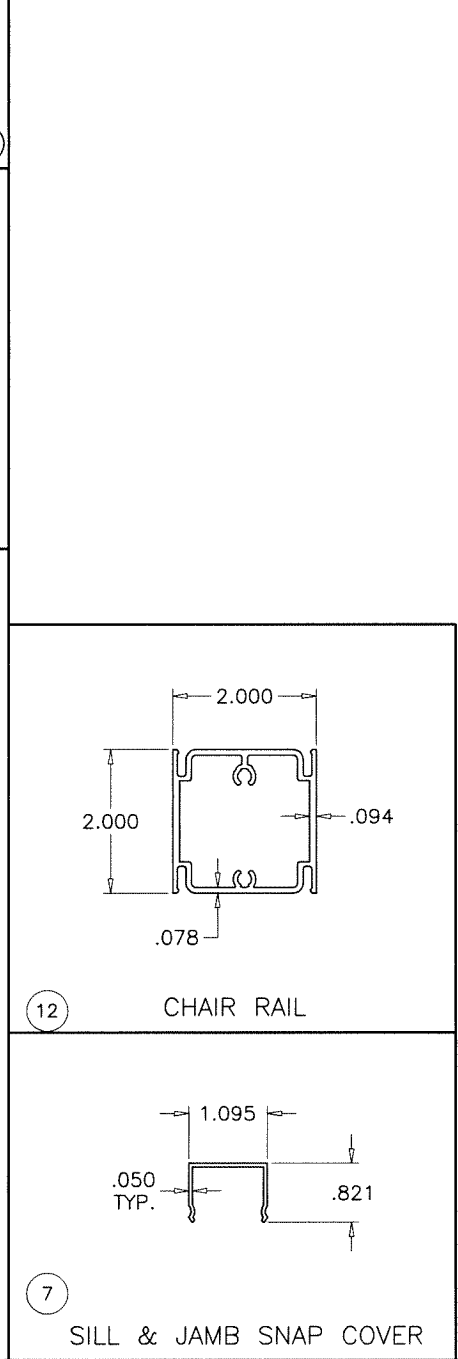
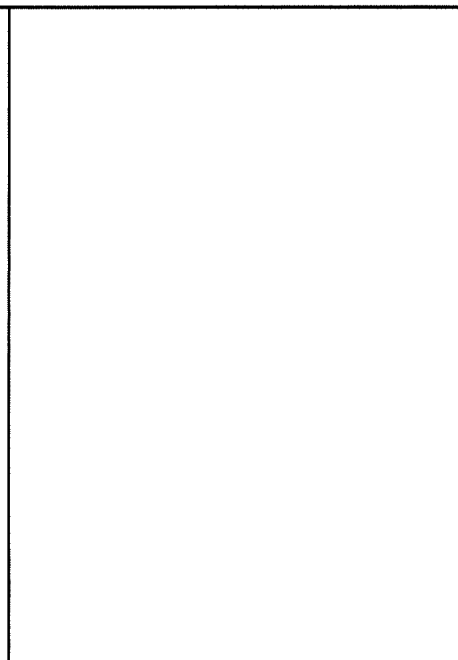
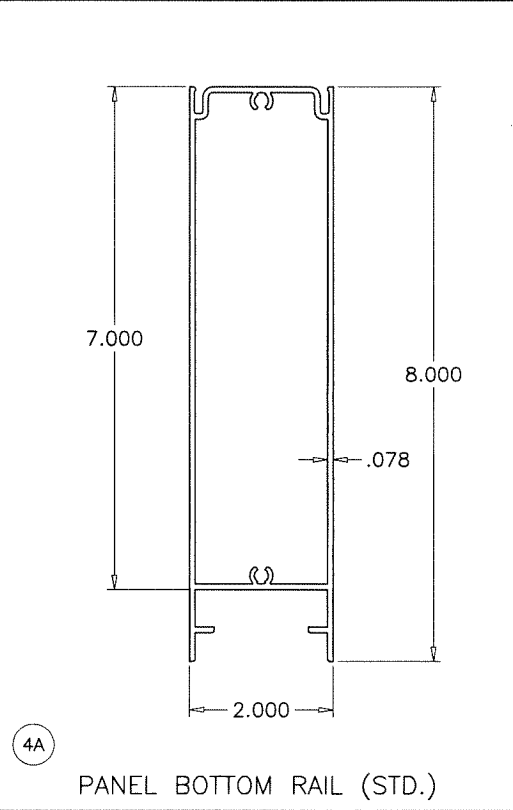
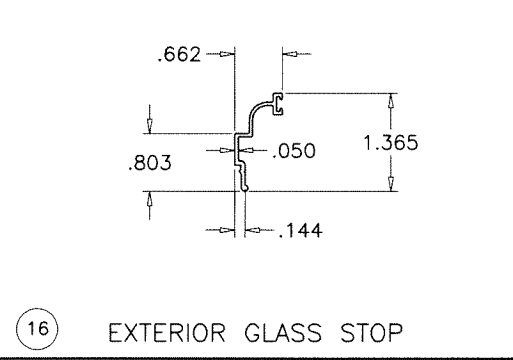
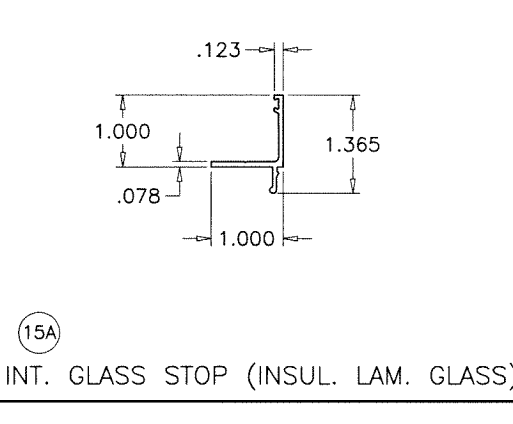
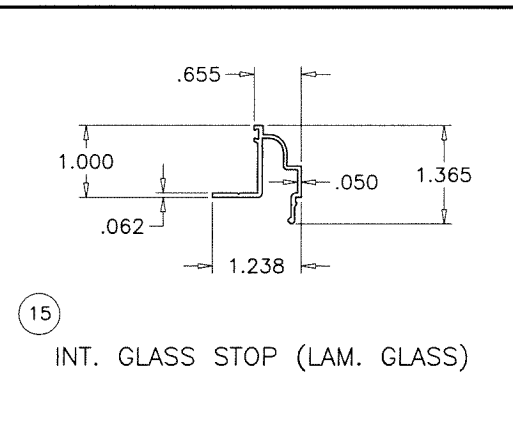
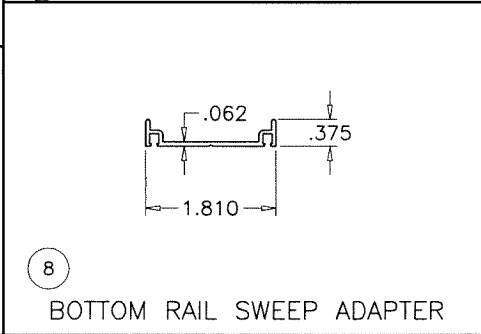
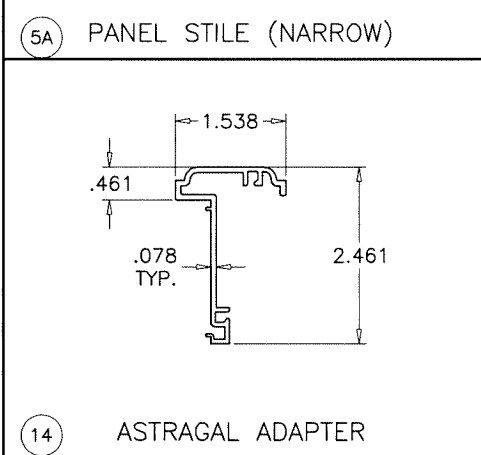
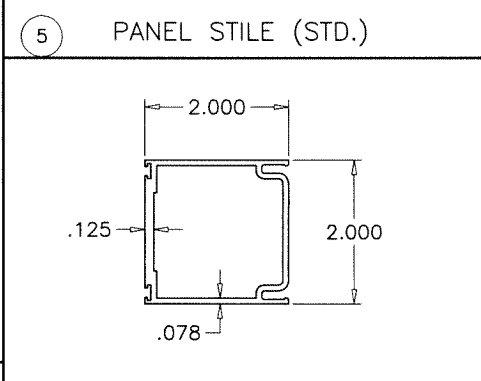
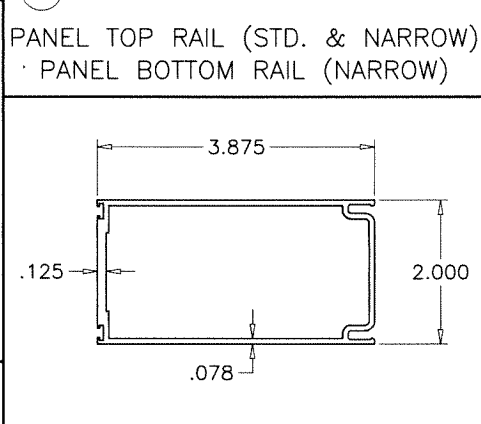
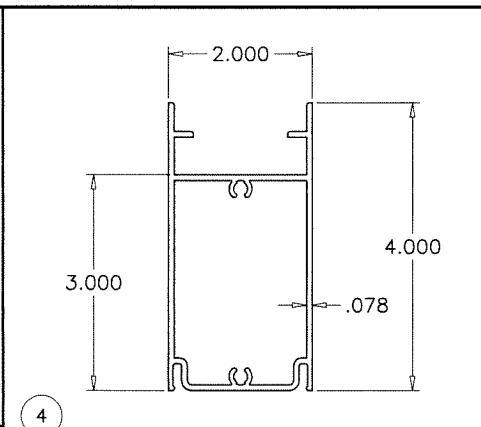
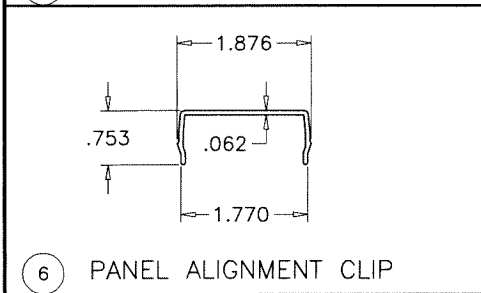
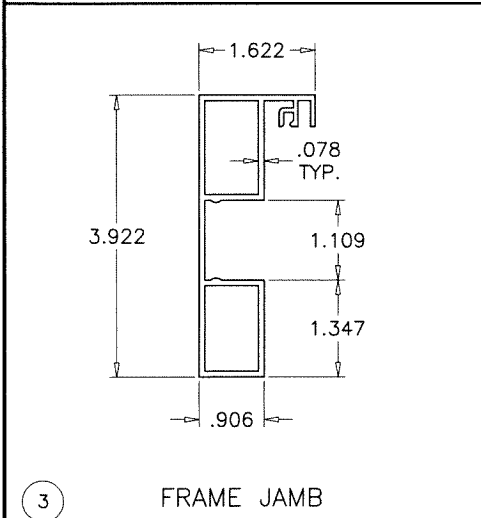
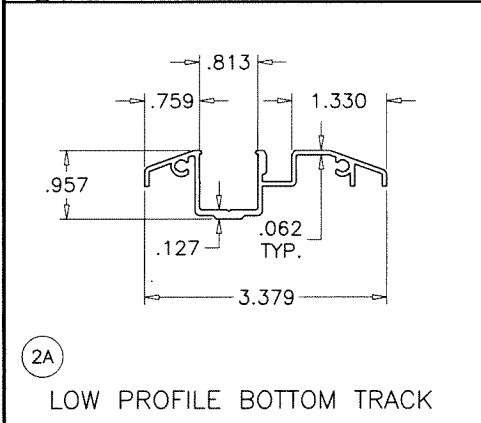
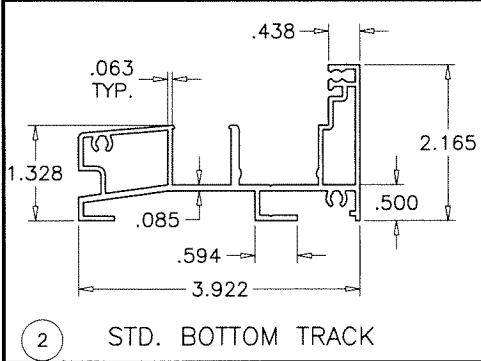
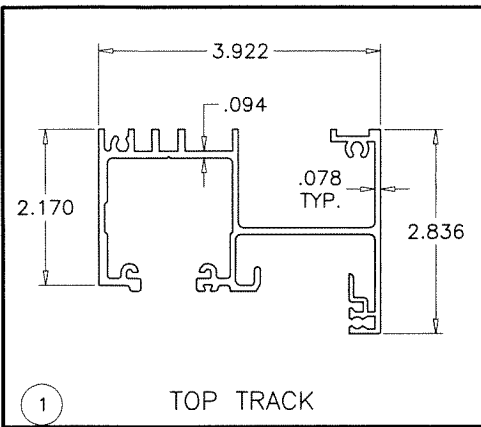
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**19-121F**  
 sheet 11 of 15

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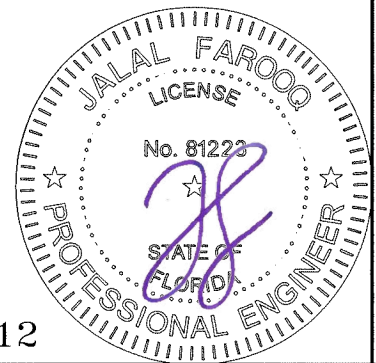
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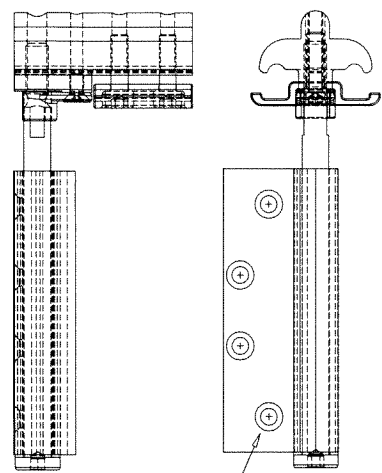
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FL #33612

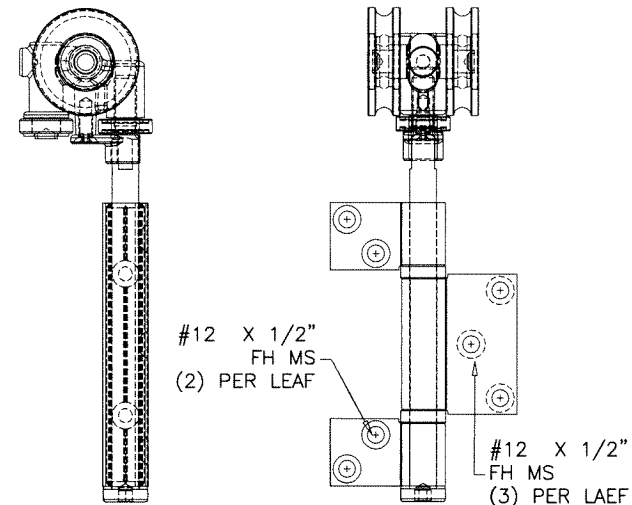




(4) #12 X 1/2"  
FH MS

S1

PIVOT SET

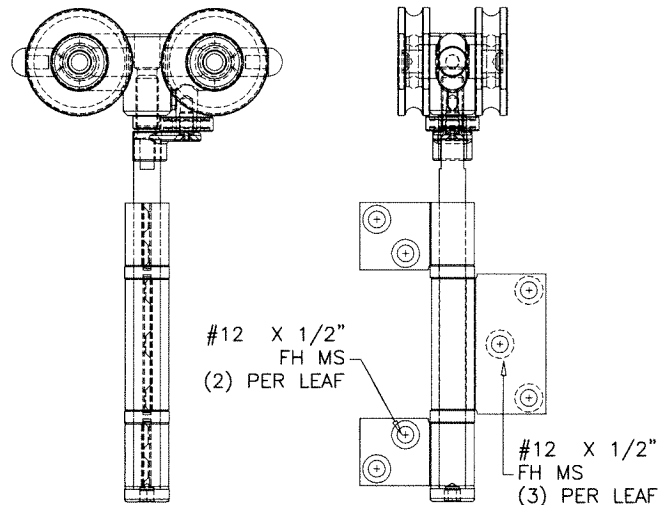


#12 X 1/2"  
FH MS  
(2) PER LEAF

#12 X 1/2"  
FH MS  
(3) PER LEAF

S2

END HANGERS SET

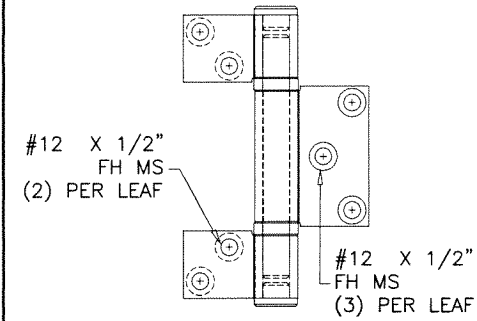


#12 X 1/2"  
FH MS  
(2) PER LEAF

#12 X 1/2"  
FH MS  
(3) PER LEAF

S4

INTERMEDIATE HANGERS SET



#12 X 1/2"  
FH MS  
(2) PER LEAF

#12 X 1/2"  
FH MS  
(3) PER LEAF

S7

OFFSET HINGE HANDLE SET

S9

INTERMEDIATE HINGE

afc

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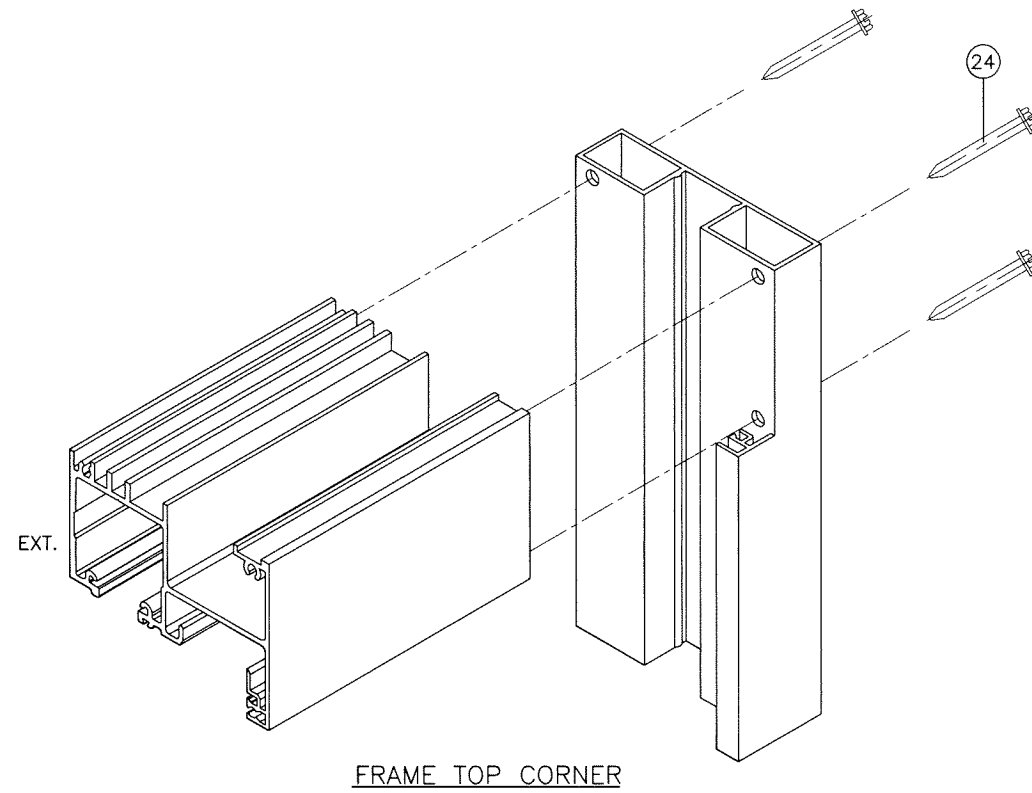
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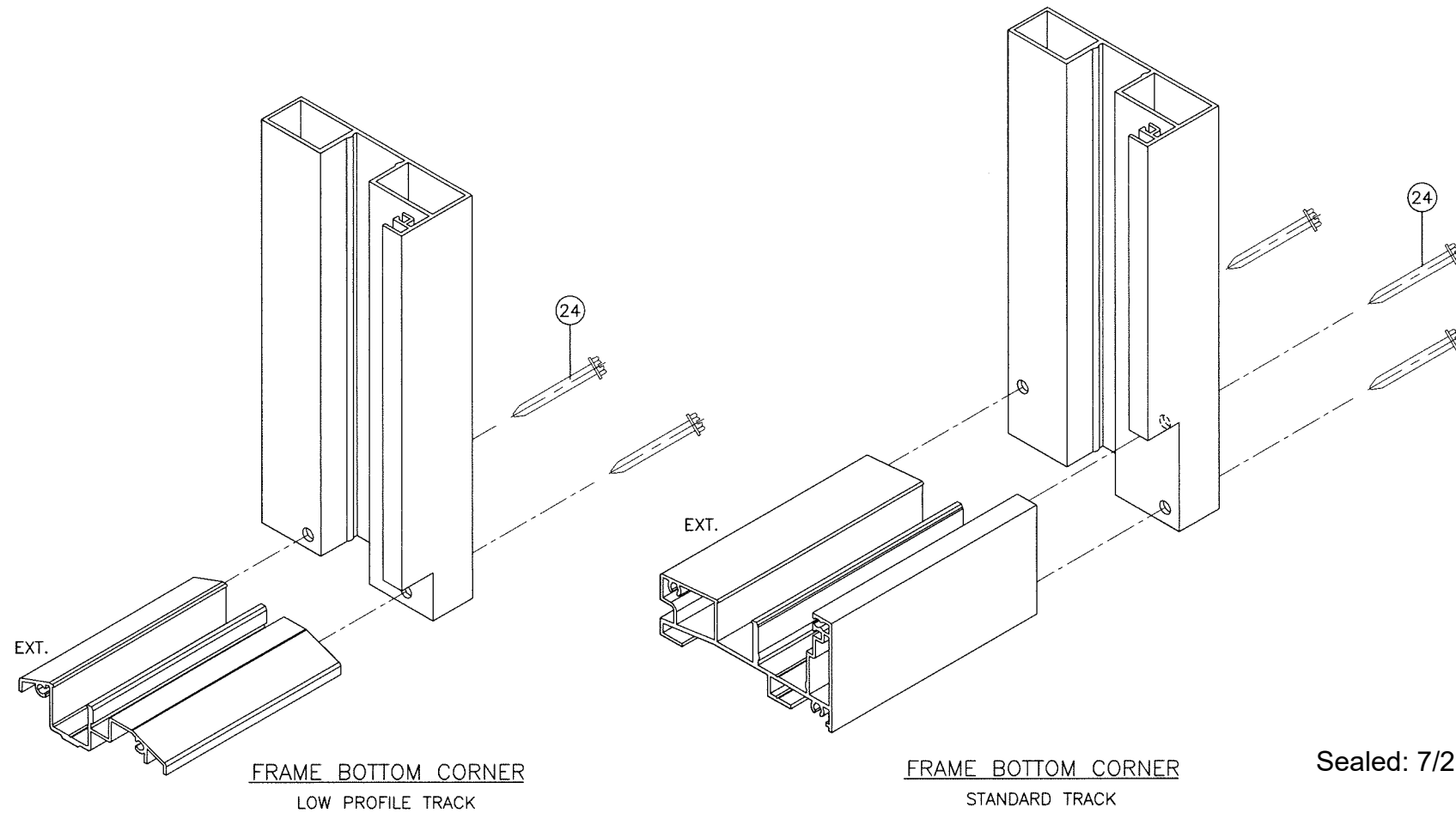
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FL #33612





FRAME TOP CORNER



FRAME BOTTOM CORNER  
LOW PROFILE TRACK

FRAME BOTTOM CORNER  
STANDARD TRACK

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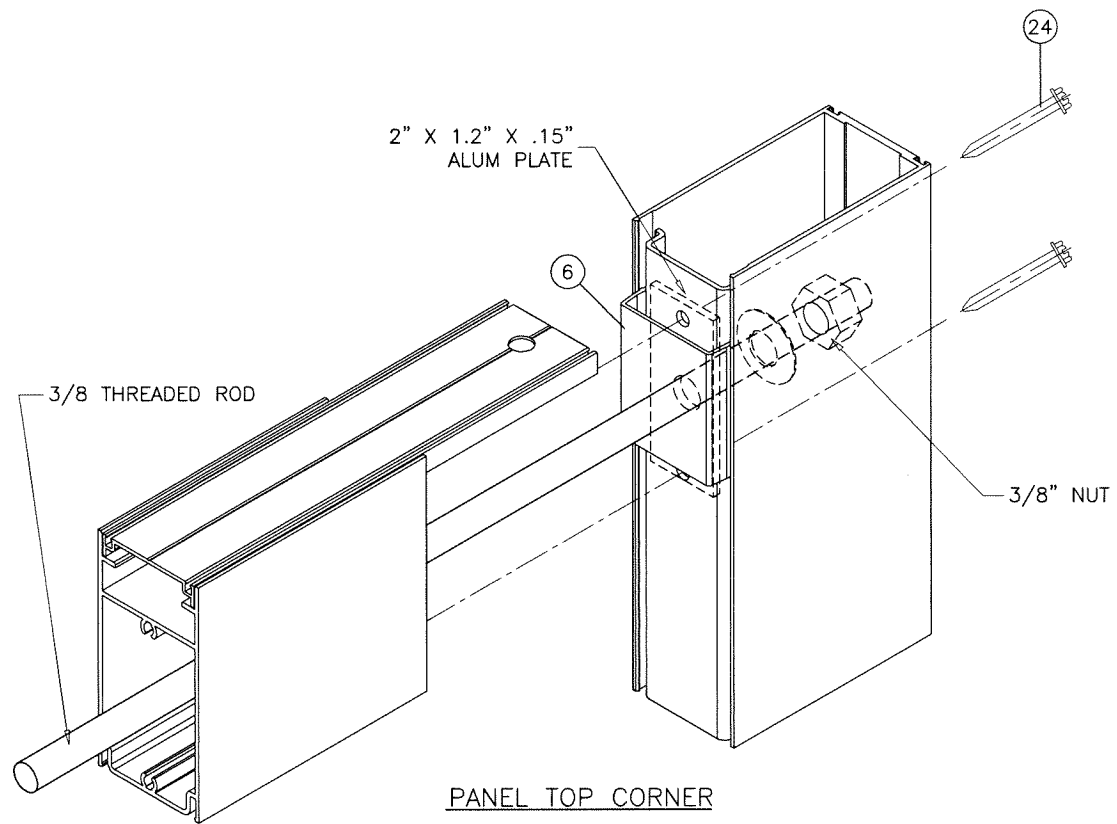
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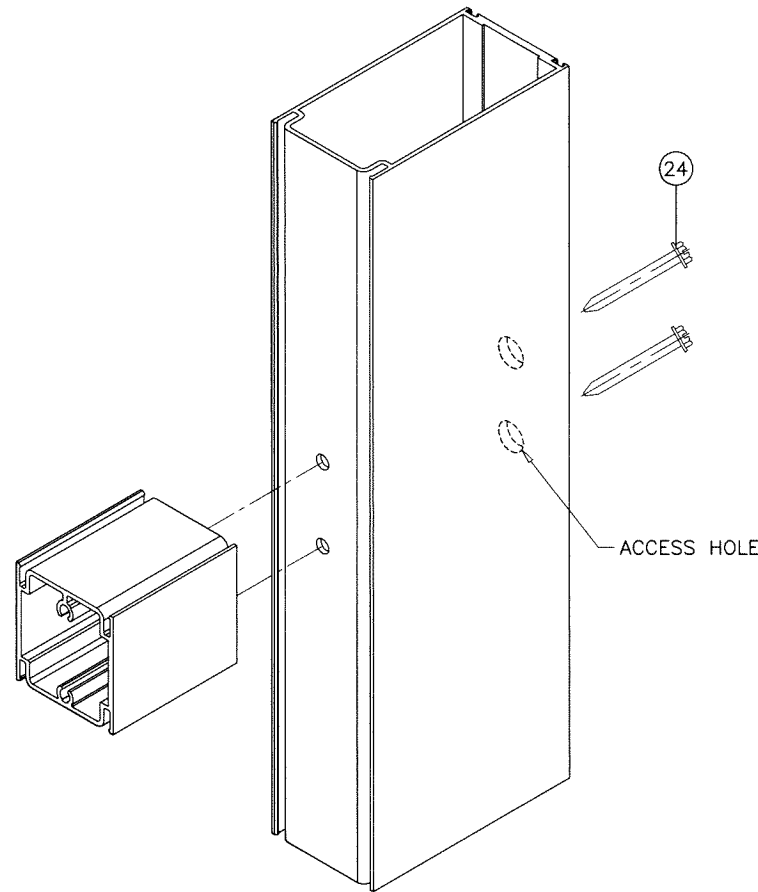
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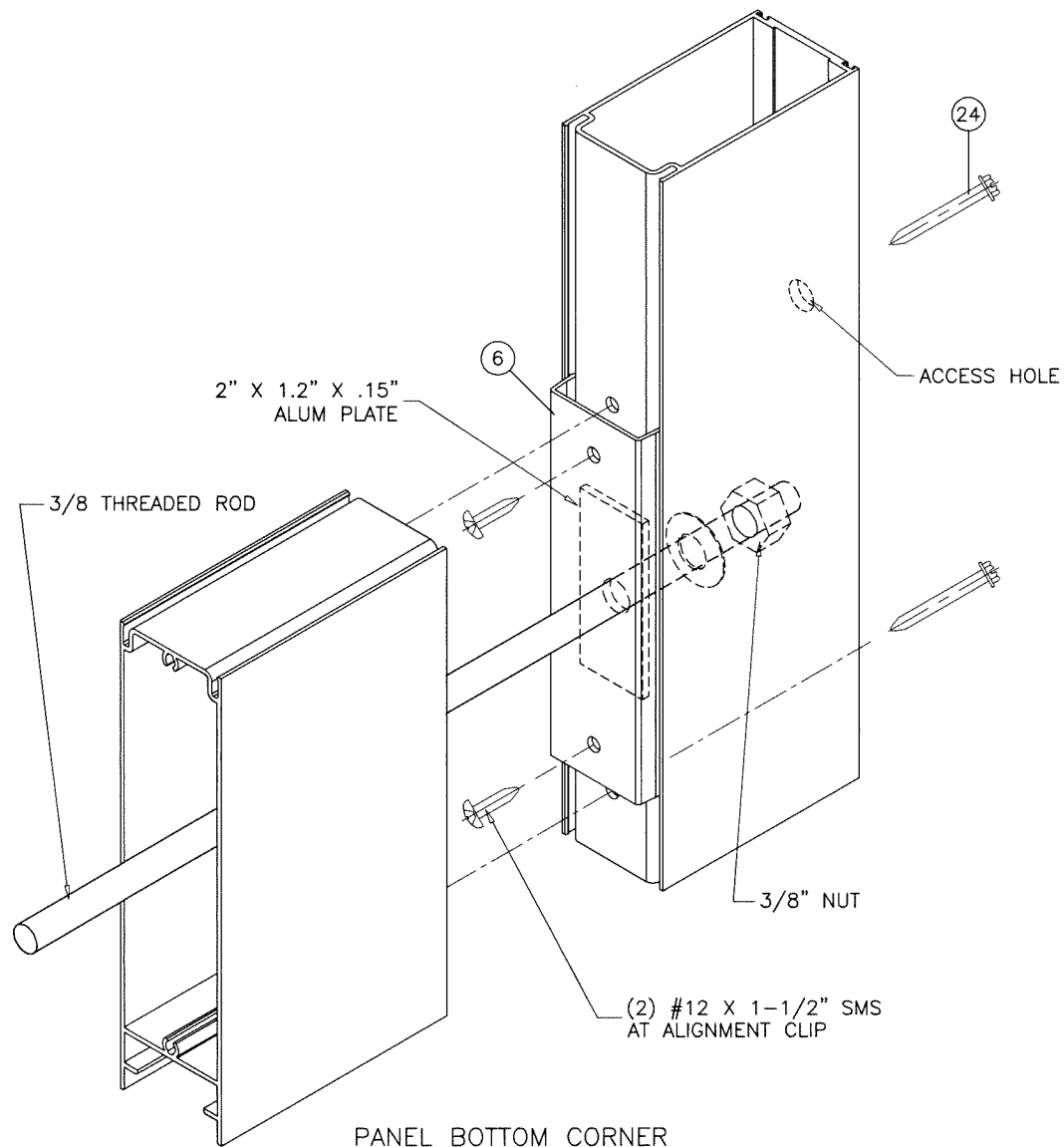




PANEL TOP CORNER



CHAIR RAIL CORNER



PANEL BOTTOM CORNER

Sealed: 7/25/2023

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