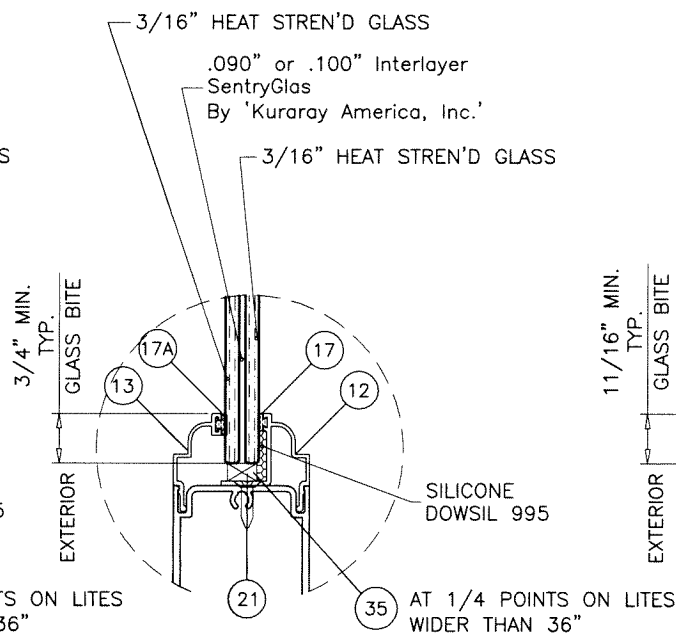
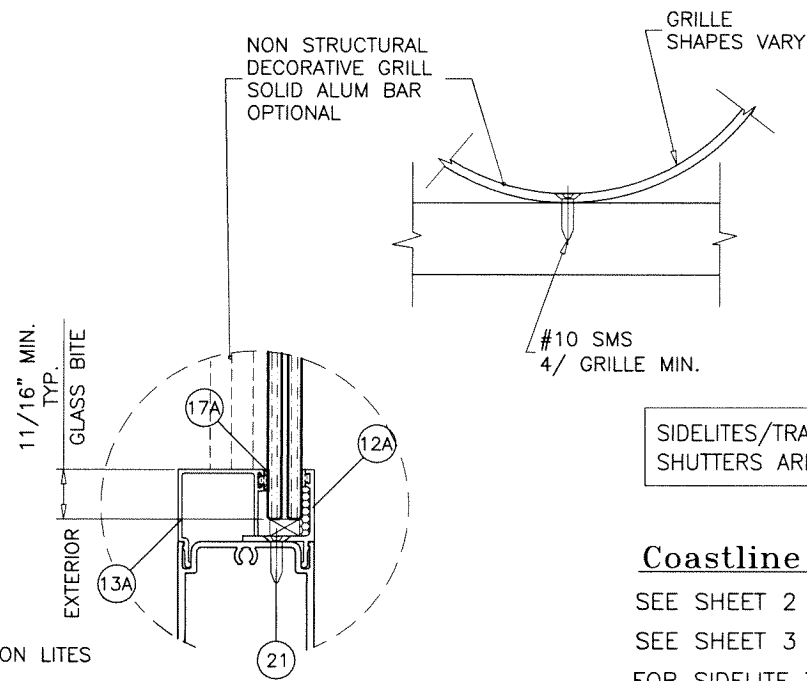


GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS



ALTERNATE GLAZING DETAIL
GLASS TYPES 'A' & 'B'

SIDELITES/TRANSOM ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Coastline French Door/Entry Door Sidelite IZ4

SEE SHEET 2 FOR SINGLE SIDELITE WINDOW DESIGN LOAD CAPACITIES.
SEE SHEET 3 FOR TRANSOM/SIDELITE COMBINATION DESIGN LOAD CAPACITIES.
FOR SIDELITE TO SIDELITE COMBINATIONS SEE CHART ON SHEET 4
FOR COMBINATION MULLION ANCHOR CAPACITY SEE CHART ON SHEET 5.
THE LOWEST VALUE FROM BOTH CHARTS WILL APPLY TO ENTIRE SYSTEM.

THIS SYSTEM CAN BE MATED TO SISTER APPROVAL OF SERIES 500 OUTSWING DOORS HOLDING A CURRENT APPROVAL.

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.

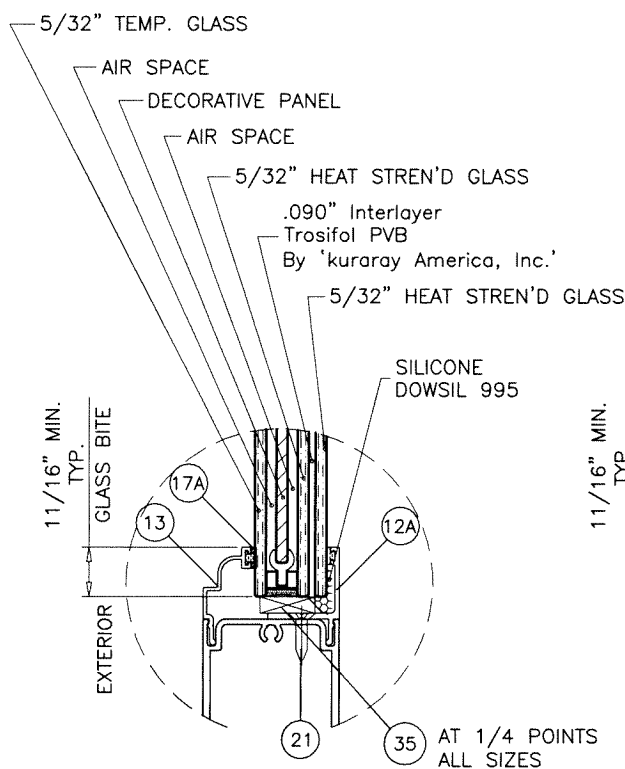
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

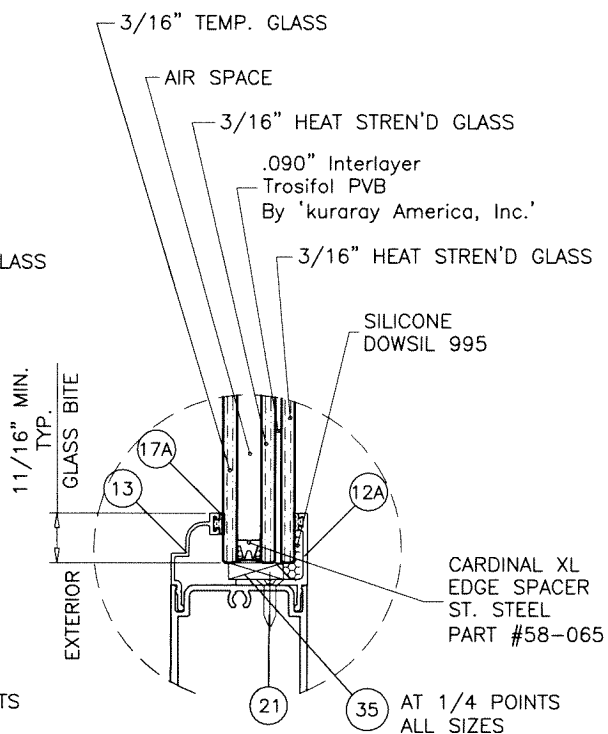
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'. MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

Sealed: 7/26/2023 FL #34013

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.



GLASS TYPE 'C'
1" OVERALL LAM. INSUL. GLASS



GLASS TYPE 'D'
1" OVERALL LAM. INSUL. GLASS

GLAZING OPTIONS

NOTE:
GLASS CAPACITIES ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

af c
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
COMP-ANL\W17-117SW

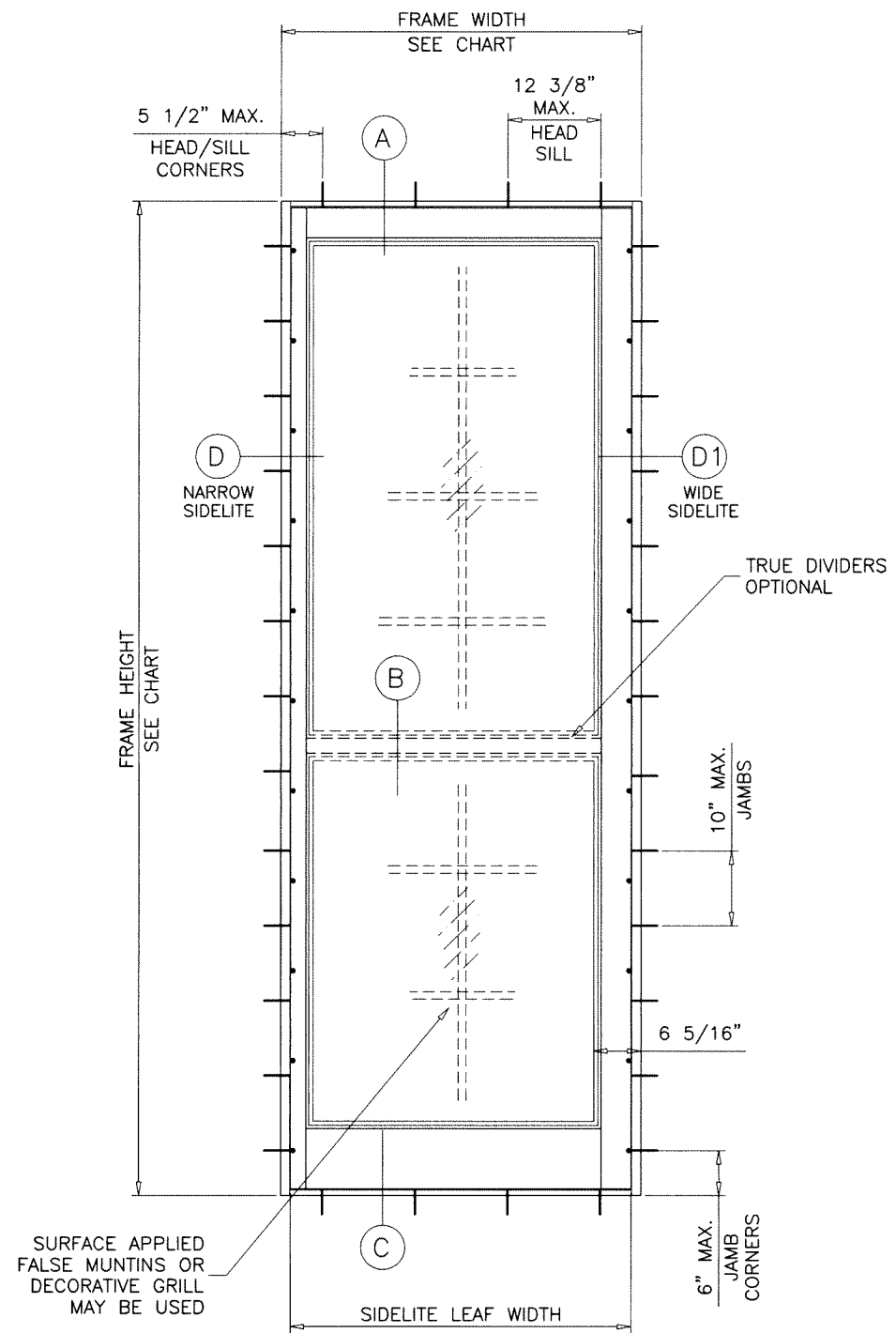
Coastline French Door/Entry Door Sidelite IZ4
MARVIN
PO Box 100, 401 State Ave. N.
Warrroad, MN. 56763
Tel. (218) 386-1430 Ext. 2143

no.	date	by	description
A	12.18.18		COMPANY NAME REV.
B	08.27.20		UPDATED TO 2020 FBC
C	07.25.23		UPDATED TO 2023 FBC

date: 12-15-17
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
W17-117
sheet 1 of 12

DESIGN LOAD CAPACITY - PSF							
FRAME WIDTH INCHES	FRAME HEIGHT INCHES	GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPES 'C' & 'D'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	80	70.0	70.0	80.0	80.0	60.0	60.0
36		70.0	70.0	80.0	80.0	60.0	60.0
42		70.0	70.0	80.0	80.0	60.0	60.0
46-7/8		70.0	70.0	80.0	80.0	-	-
48		70.0	70.0	80.0	80.0	-	-
52		70.0	70.0	73.8	73.8	-	-
54		70.0	70.0	71.1	71.1	-	-
56		68.6	68.6	68.6	68.6	-	-
60	64.0	64.0	64.0	64.0	-	-	
30	84	70.0	70.0	80.0	80.0	60.0	60.0
36		70.0	70.0	80.0	80.0	60.0	60.0
42		70.0	70.0	80.0	80.0	60.0	60.0
46-7/8		70.0	70.0	80.0	80.0	-	-
48		70.0	70.0	80.0	80.0	-	-
52		70.0	70.0	73.8	73.8	-	-
54		70.0	70.0	71.1	71.1	-	-
56		68.6	68.6	68.6	68.6	-	-
60	64.0	64.0	64.0	64.0	-	-	
30	90	70.0	70.0	80.0	80.0	60.0	60.0
36		70.0	70.0	80.0	80.0	60.0	60.0
42		70.0	70.0	80.0	80.0	-	-
46-7/8		70.0	70.0	80.0	80.0	-	-
48		70.0	70.0	80.0	80.0	-	-
52		70.0	70.0	73.8	73.8	-	-
54		70.0	70.0	71.1	71.1	-	-
56		68.6	68.6	68.6	68.6	-	-
30	96	70.0	70.0	80.0	80.0	60.0	60.0
36		70.0	70.0	80.0	80.0	60.0	60.0
42		70.0	70.0	80.0	80.0	-	-
46-7/8		70.0	70.0	80.0	80.0	-	-
48		70.0	70.0	80.0	80.0	-	-
52		70.0	70.0	73.8	73.8	-	-
54		70.0	70.0	71.1	71.1	-	-
56		68.6	68.6	68.6	68.6	-	-
30	97-3/4	70.0	70.0	80.0	80.0	60.0	60.0
36		70.0	70.0	80.0	80.0	60.0	60.0
42		70.0	70.0	80.0	80.0	-	-
46-7/8		70.0	70.0	80.0	80.0	-	-
48		70.0	70.0	80.0	80.0	-	-
52	70.0	70.0	73.8	73.8	-	-	
30	102"	70.0	70.0	80.0	80.0	-	-
36		70.0	70.0	80.0	80.0	-	-
42		70.0	70.0	80.0	80.0	-	-
46-7/8		70.0	70.0	80.0	80.0	-	-
48		70.0	70.0	80.0	80.0	-	-
30	108"	70.0	70.0	80.0	80.0	-	-
36		70.0	70.0	80.0	80.0	-	-
42		70.0	70.0	80.0	80.0	-	-
46-7/8		70.0	70.0	80.0	80.0	-	-
48		70.0	70.0	80.0	80.0	-	-

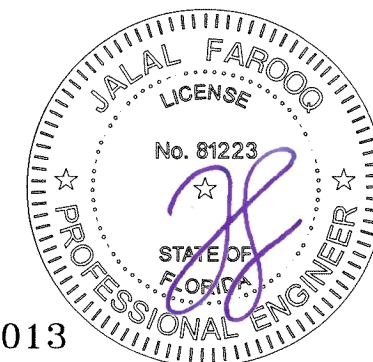


TYPICAL ELEVATION
(O)

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 8.625" (NARROW STILES)
= (FRAME WIDTH - 12.625") (WIDE STILES)
D.L.O. HEIGHT = FRAME HEIGHT - 11.875" (4" BOTTOM RAIL)
= FRAME HEIGHT - 13.875" (6" BOTTOM RAIL)
= FRAME HEIGHT - 15.875" (8" BOTTOM RAIL)

Sealed: 7/26/2023

FL #34013



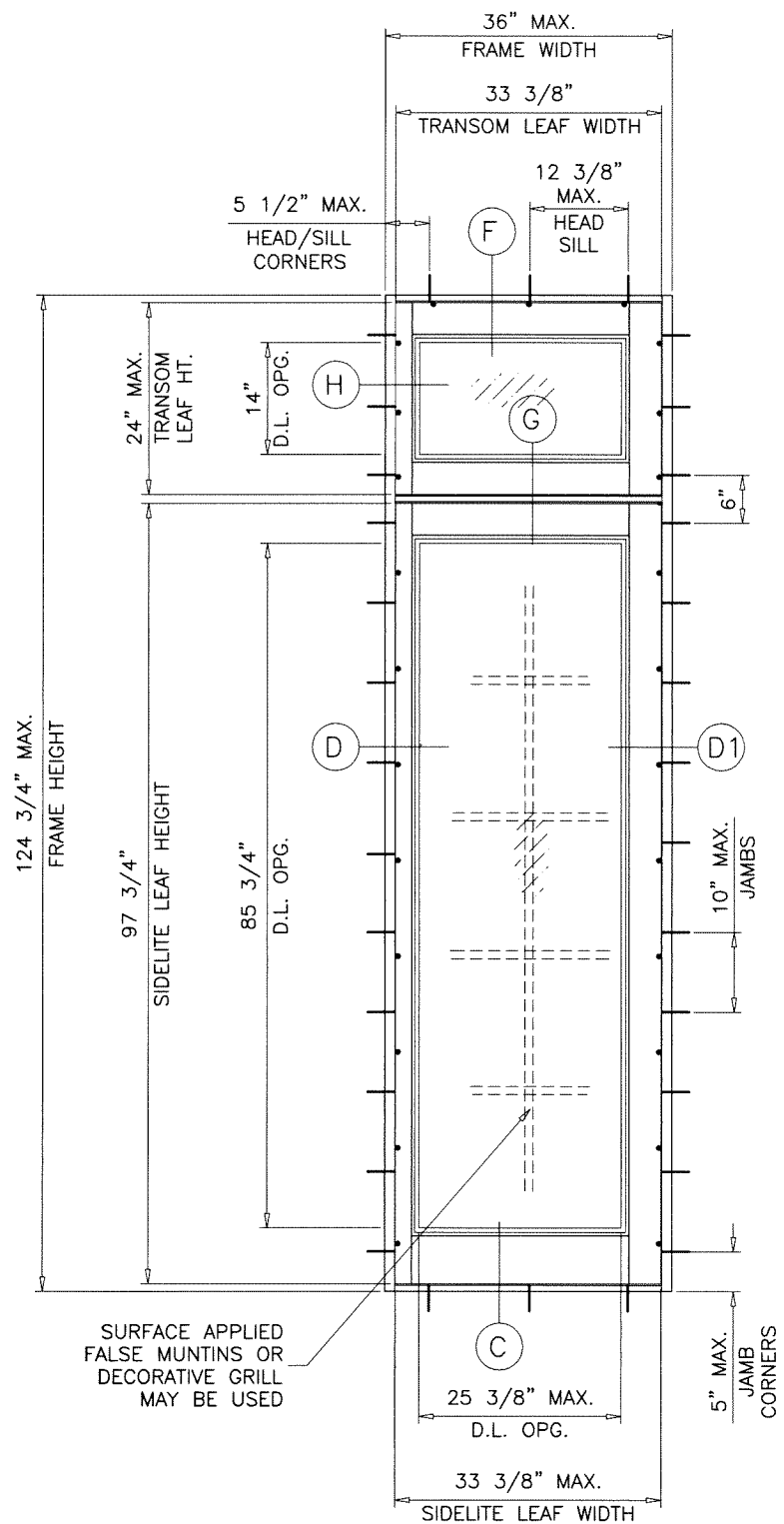
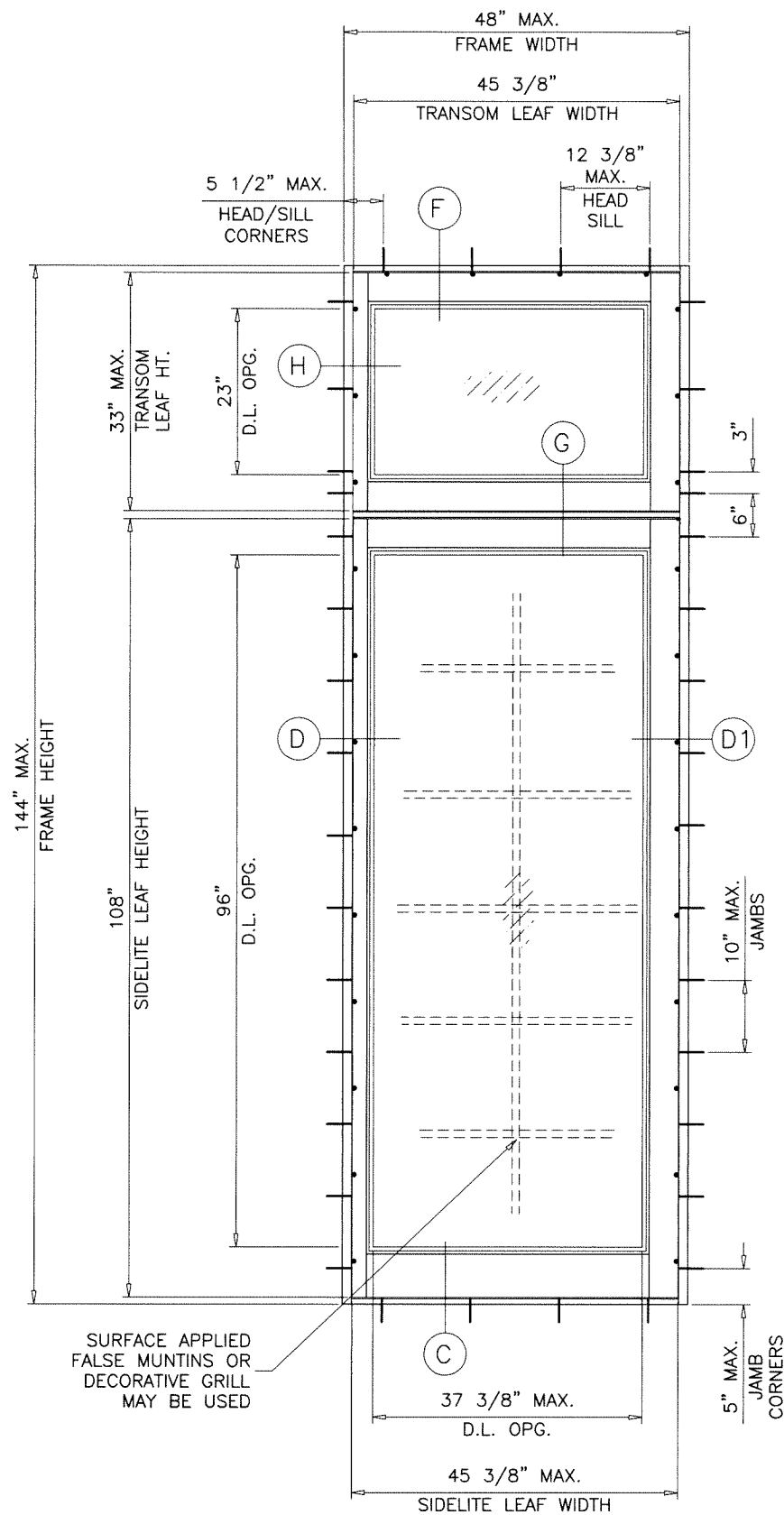
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W17-117SW

Coastline French Door/Entry Door Sidelite IZ4
MARVIN
PO Box 100, 401 State Ave. N.
Warroad, MN. 56763
Tel. (218) 386-1430 Ext. 2143

no	date	by	description

date: 12-15-17
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
W17-117
sheet 2 of 12



TESTED SIZES SHOWN ON THIS SHEET
SEE SHEET 2 FOR SIZES AND CAPACITIES
OTHER THAN SHOWN ON THIS SHEET

NOTE:
SINGLE LITES WITH TRANSOM MAY BE JOINED
TO EACH OTHER OR TO OTHER SYSTEMS USING
APPROVED MULLIONS.

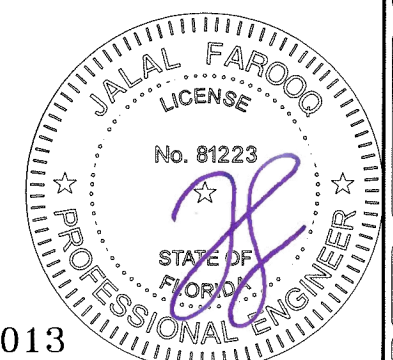
GLASS TYPES 'A'
MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
- 70.0 PSF

GLASS TYPES 'B'
MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
- 80.0 PSF

GLASS TYPES 'C' & 'D'
MAXIMUM DESIGN LOAD RATING = + 60.0 PSF
- 60.0 PSF

Sealed: 7/26/2023

FL #34013



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173 TEL. (305) 262-6978
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COMP-ANL\W17-117SIW

Coastline French Door/Entry Door Sidelite IZ4
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no.	date	description

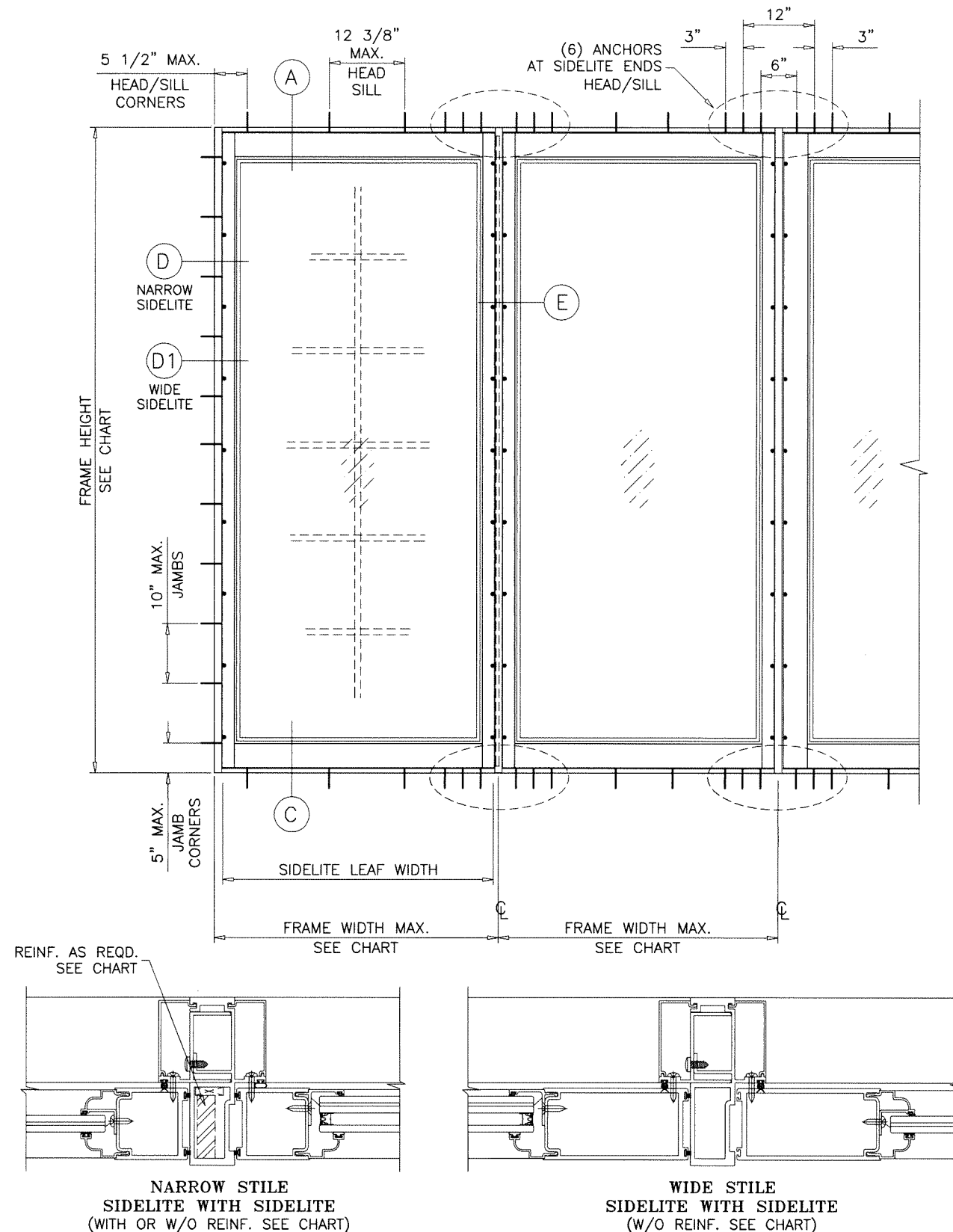
revisions:

date: 12-15-17
scale: -
dr. by: TARIQ
chk. by:

drawing no.
W17-117

sheet 3 of 12

DESIGN LOAD CAPACITY - PSF															
FRAME WIDTH INCHES	FRAME HEIGHT INCHES	GLASS TYPE 'A'						GLASS TYPE 'B'						GLASS 'C' & 'D'	
		NARROW STILE SIDELITE W/O REINF.		NARROW STILE SIDELITE WITH REINF.		WIDE STILE SIDELITE W/O REINF.		NARROW STILE SIDELITE W/O REINF.		NARROW STILE SIDELITE WITH REINF.		WIDE STILE SIDELITE W/O REINF.		NARROW STILE W/O REINF.	WIDE STILE W/O REINF.
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	80	70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
36		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
42		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
46-7/8		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
48		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
52		70.0	70.0	70.0	70.0	70.0	70.0	73.8	73.8	73.8	73.8	73.8	73.8	-	-
54		70.0	70.0	70.0	70.0	70.0	70.0	71.1	71.1	71.1	71.1	71.1	71.1	-	-
56	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	-	-	
60	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	-	-	
30	84	70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
36		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
42		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
46-7/8		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
48		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
52		70.0	70.0	70.0	70.0	70.0	70.0	73.8	73.8	73.8	73.8	73.8	73.8	-	-
54		70.0	70.0	70.0	70.0	70.0	70.0	71.1	71.1	71.1	71.1	71.1	71.1	-	-
56	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	-	-	
60	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	-	-	
30	90	70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
36		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
42		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
46-7/8		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
48		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
52		70.0	70.0	70.0	70.0	70.0	70.0	73.8	73.8	73.8	73.8	73.8	73.8	-	-
54		70.0	70.0	70.0	70.0	70.0	70.0	71.1	71.1	71.1	71.1	71.1	71.1	-	-
56	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	-	-	
30	96	70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
36		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
42		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
46-7/8		70.0	70.0	70.0	70.0	70.0	70.0	75.4	75.4	80.0	80.0	80.0	80.0	-	-
48		70.0	70.0	70.0	70.0	70.0	70.0	74.7	74.7	80.0	80.0	80.0	80.0	-	-
52		70.0	70.0	70.0	70.0	70.0	70.0	70.3	70.3	73.8	73.8	73.8	73.8	-	-
54		68.4	68.4	70.0	70.0	70.0	70.0	68.4	68.4	71.1	71.1	71.1	71.1	-	-
30	97-3/4	70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
36		70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	60.0	60.0
42		70.0	70.0	70.0	70.0	70.0	70.0	78.7	78.7	80.0	80.0	80.0	80.0	-	-
46-7/8		70.0	70.0	70.0	70.0	70.0	70.0	71.9	71.9	80.0	80.0	80.0	80.0	-	-
48		70.0	70.0	70.0	70.0	70.0	70.0	70.5	70.5	80.0	80.0	80.0	80.0	-	-
52		66.3	66.3	70.0	70.0	70.0	70.0	66.3	66.3	73.8	73.8	73.8	73.8	-	-
54		62.8	62.8	70.0	70.0	70.0	70.0	62.8	62.8	71.4	71.4	80.0	80.0	-	-
30	102"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
36		70.0	70.0	70.0	70.0	70.0	70.0	78.8	78.8	80.0	80.0	80.0	80.0	-	-
42		68.8	68.8	70.0	70.0	70.0	70.0	68.8	68.8	78.3	78.3	80.0	80.0	-	-
46-7/8		62.8	62.8	70.0	70.0	70.0	70.0	62.8	62.8	71.4	71.4	80.0	80.0	-	-
48	61.6	61.6	70.0	70.0	70.0	70.0	61.6	61.6	70.1	70.1	79.2	79.2	-	-	
30	108"	70.0	70.0	70.0	70.0	70.0	70.0	78.1	78.1	80.0	80.0	80.0	80.0	-	-
36		66.0	66.0	70.0	70.0	70.0	70.0	66.0	66.0	75.2	75.2	80.0	80.0	-	-
42		57.5	57.5	65.5	65.5	70.0	70.0	57.5	57.5	65.5	65.5	74.0	74.0	-	-
46-7/8		52.4	52.4	59.6	59.6	67.3	67.3	52.4	52.4	59.6	59.6	67.3	67.3	-	-
48		51.3	51.3	58.4	58.4	66.0	66.0	51.3	51.3	58.4	58.4	66.0	66.0	-	-



- INSTRUCTIONS:** USE CHARTS AS FOLLOWS.
- FOR SIDELITE TO SIDELITE COMBINATION CAPACITY SEE CHART ABOVE.
 - FOR COMBINATION MULLION ANCHOR CAPACITY SEE CHART ON SHEET 5.
 - LOWER VALUES FROM STEPS 1 OR 2 WILL APPLY TO ENTIRE SYSTEM.

Sealed: 7/26/2023

FL #34013



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
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 (C.A.N. 3538)

Coastline French Door/Entry Door Sidelite IZ4

MARVIN
 PO Box 100, 401 State Ave. N.
 Warroad, MN. 56763
 Tel. (218) 386-1430 Ext. 2143

no	date	description

date: 12-15-17
 scale: -
 dr. by: TARIQ
 chk. by:

drawing no.
W17-117
 sheet 4 of 12

COMP-ANL W17-117SIW

MULLION ANCHORS DESIGN LOAD CAPACITY			
FRAME WIDTH INCHES	FRAME HEIGHT INCHES	ANCHOR TYPE 'A'	ANCHOR TYPES 'B' & 'C'
		EXT.(+) INT.(-)	EXT.(+) INT.(-)
30	80	80.0	80.0
36		80.0	80.0
42		80.0	80.0
46-7/8		76.7	80.0
48		74.9	80.0
52		69.1	80.0
54		66.5	80.0
56		64.2	80.0
60		59.9	80.0
60		57.0	78.1
30	84	80.0	80.0
36		80.0	80.0
42		80.0	80.0
46-7/8		73.0	80.0
48		71.3	80.0
52		65.8	80.0
54		63.4	80.0
56		61.1	80.0
60		57.0	78.1
60		57.0	78.1
30	90	80.0	80.0
36		80.0	80.0
42		76.1	80.0
46-7/8		68.1	80.0
48		66.5	80.0
52		61.4	80.0
54		59.2	80.0
56		57.0	78.1
60		57.0	78.1
60		57.0	78.1
30	96	80.0	80.0
36		80.0	80.0
42		71.3	80.0
46-7/8		63.9	80.0
48		62.4	80.0
52		57.6	78.8
54		55.5	75.9
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
30	97-3/4	80.0	80.0
36		80.0	80.0
42		70.2	80.0
46-7/8		62.9	80.0
48		61.4	80.0
52		56.7	77.6
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
30	102"	80.0	80.0
36		78.3	80.0
42		67.1	80.0
46-7/8		60.1	80.0
48		58.7	80.0
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
30	108"	80.0	80.0
36		73.9	80.0
42		63.4	80.0
46-7/8		56.8	77.7
48		55.5	75.9
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1
60		57.0	78.1

TYPICAL ANCHORS AT MULLION ENDS: SEE SHEET 4 FOR SPACING						
ANCHOR TYPE	ANCHORS TYPE	SUBSTRATE	AT HEAD		AT SILL	
			MIN. LENGTH	MIN. EDGE DIST.	MIN. LENGTH	MIN. EDGE DIST.
ANCHOR TYPE 'A'	1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)	WOOD	2-3/4"	1"	N.A.	N.A.
		CONCRETE	2-3/4"	2-1/2"	2-3/4"	2-1/2"
ANCHOR TYPE 'B'	5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)	WOOD	2-3/4"	1"	N.A.	N.A.
		CONCRETE	2-3/4"	2-1/2"	2-3/4"	2-1/2"
ANCHOR TYPE 'C'	1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)	METAL	3/4"	3/4"	N.A.	N.A.

WOOD = 2BY WOOD BUCKS OR WOOD STRUCTURE S.G. = 0.55 MIN.
MASONRY = C-90 HOLLOW/FILLED NORMAL WEIGHT BLOCK f'm = 2000 PSI MIN.
CONCRETE = f'c = 3000 PSI MIN.
METAL = 1/8" MIN. THK. STEEL Fy = 36 KSI MIN.
F.B.C. APPROVED MULLION 1/8" MIN. THK.

PROPERLY SECURED 1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES NOT BY 'MARVIN'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO BUILDING STRUCTURE.

ANCHORS MAY BE HEX OR FLAT HEAD.

FOR ALL OTHER PERIMETER ANCHORS SEE SHEET 6
ANCHORS TYPE 'B' REQD. AT MULLION ENDS ONLY

INSTRUCTIONS: USE CHARTS AS FOLLOWS.

- FOR SIDELITE TO SIDELITE COMBINATION CAPACITY SEE CHART ON SHEET 4.
- FOR COMBINATION MULLION ANCHOR CAPACITY SEE CHART ABOVE.
- LOWER VALUES FROM STEPS 1 OR 2 WILL APPLY TO ENTIRE SYSTEM.



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TEL. (305) 264-8100

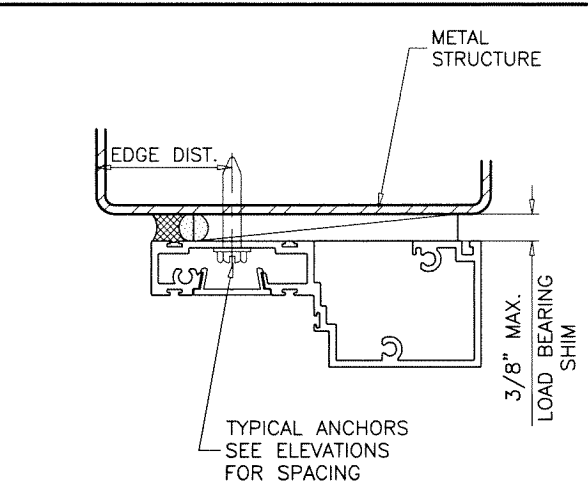
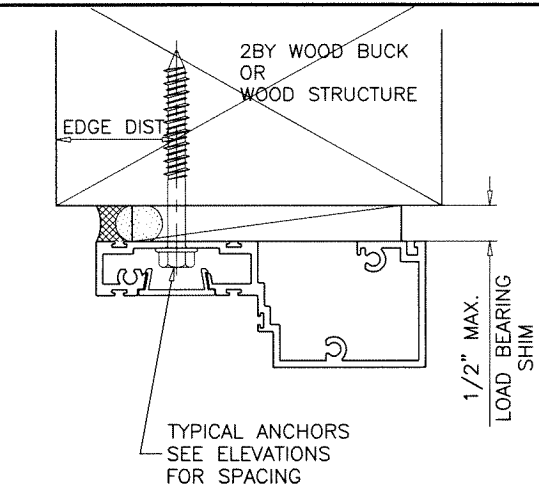
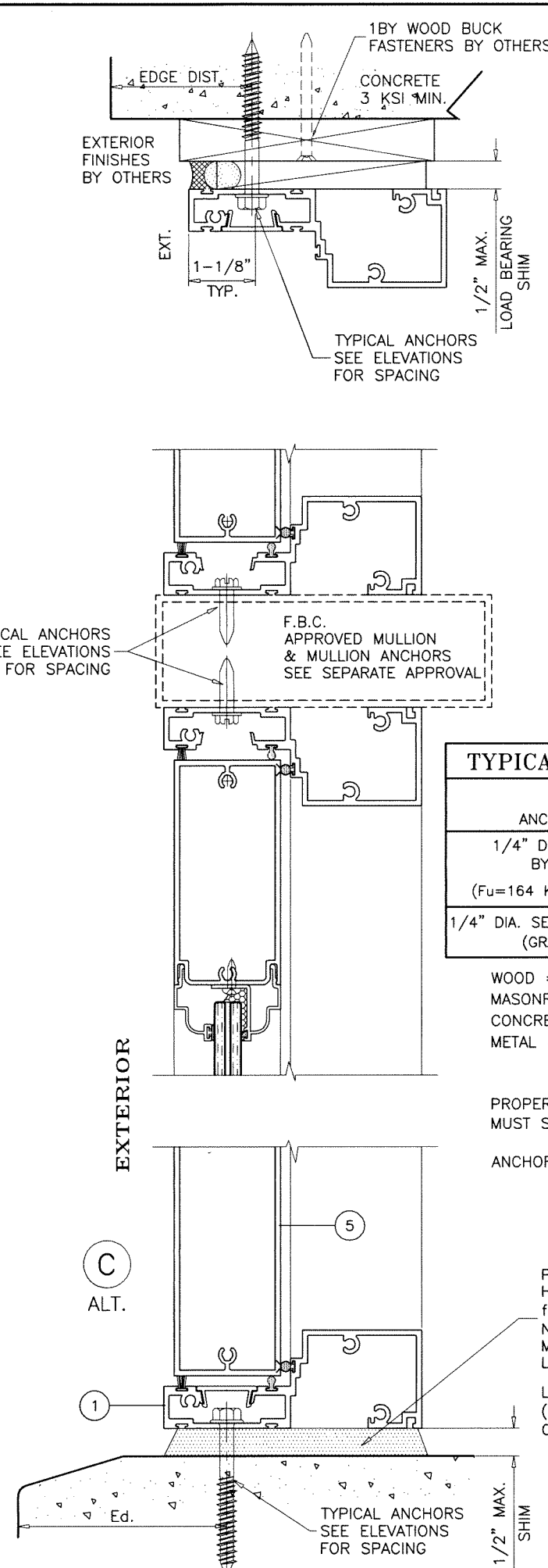
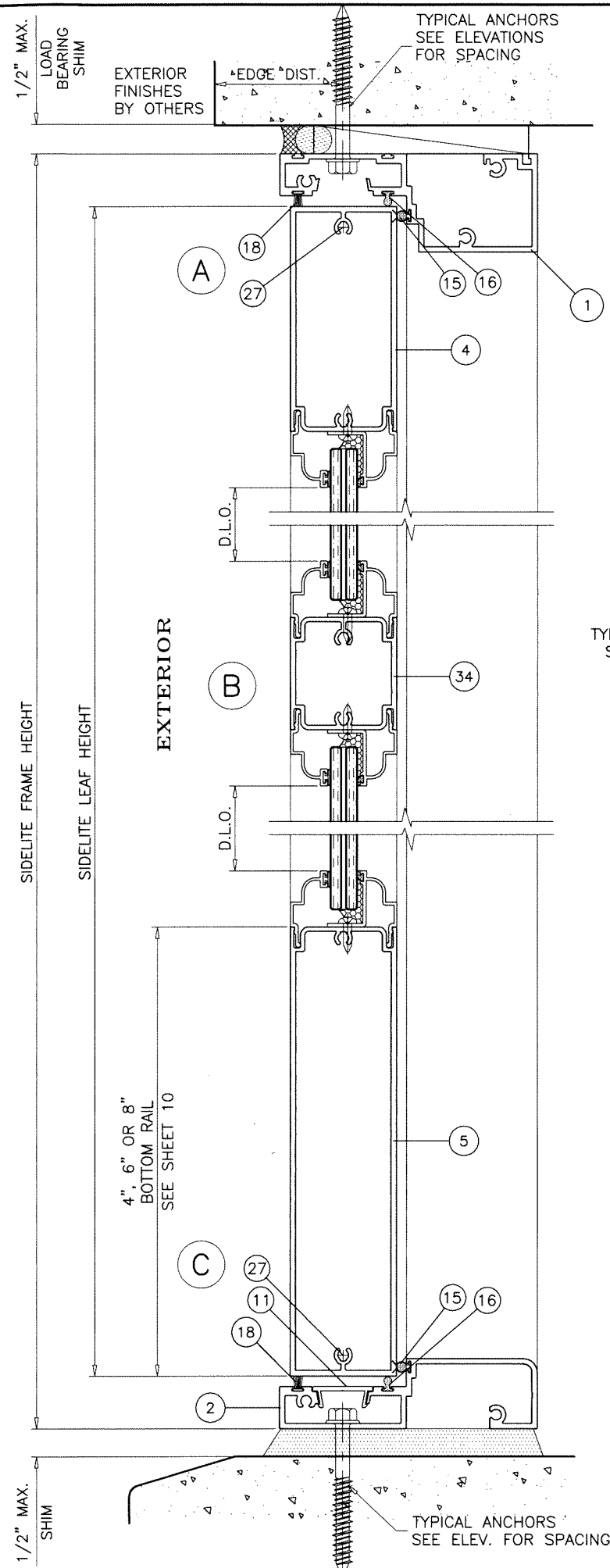
Coastline French Door/Entry Door Sidelite IZ4
MARVIN
PO Box 100, 401 State Ave. N.
Warroad, MN. 56763
Tel. (218) 386-1430 Ext. 2143

no.	date	by	description

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chk. by:

drawing no.
W17-117
sheet 5 of 12

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TYPICAL ANCHORS AT SIDELITE/TRANSOM FRAMES: SEE ELEV. FOR SPACING

ANCHORS TYPE	SUBSTRATE	AT HEAD		AT SILL		AT JAMBS	
		MIN. LENGTH	MIN. EDGE DIST.	MIN. LENGTH	MIN. EDGE DIST.	MIN. LENGTH	MIN. EDGE DIST.
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)	WOOD	2-3/4"	1"	N.A.	N.A.	3-3/4"	1"
	MASONRY	N.A.	N.A.	N.A.	N.A.	3-3/4"	2-1/2"
	CONCRETE	2-3/4"	2-1/2"	2-3/4"	2-1/2"	3-3/4"	2-1/2"
1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)	METAL	3/4"	3/4"	N.A.	N.A.	3/4"	3/4"

WOOD = 2BY WOOD BUCKS OR WOOD STRUCTURE S.G. = 0.55 MIN.
 MASONRY = C-90 HOLLOW/FILLED NORMAL WEIGHT BLOCK f'm = 2000 PSI MIN.
 CONCRETE = f'c = 3000 PSI MIN.
 METAL = 1/8" MIN. THK. STEEL Fy = 36 KSI MIN.
 F.B.C. APPROVED MULLION 1/8" MIN. THK.

PROPERLY SECURED 1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES NOT BY 'MARVIN' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO BUILDING STRUCTURE.

ANCHORS MAY BE HEX OR FLAT HEAD.

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)



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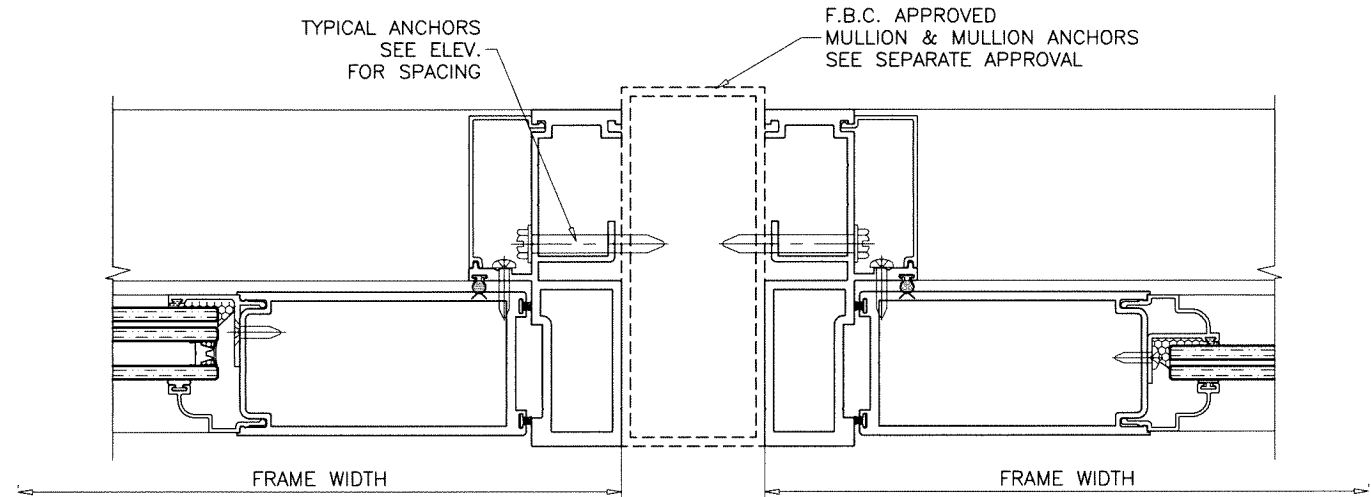
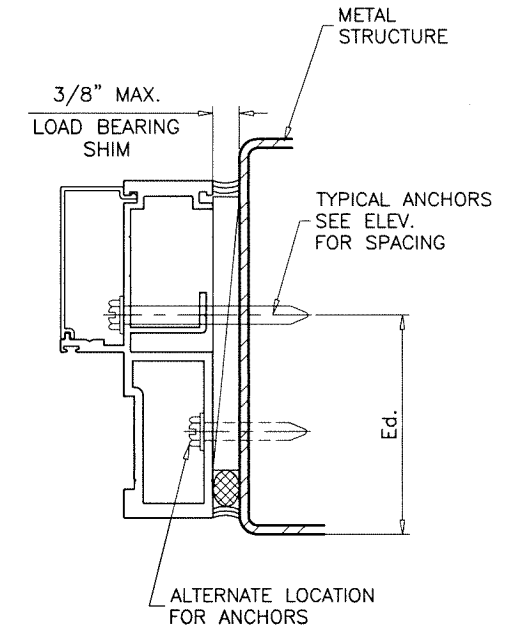
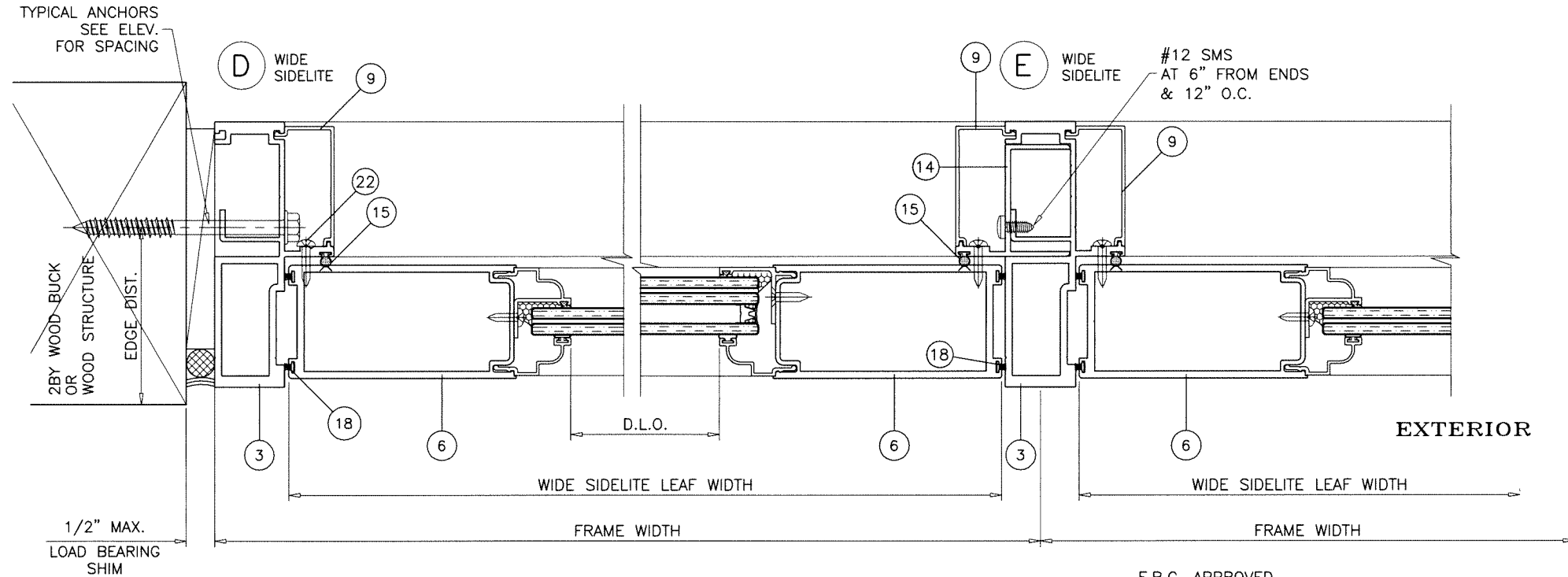
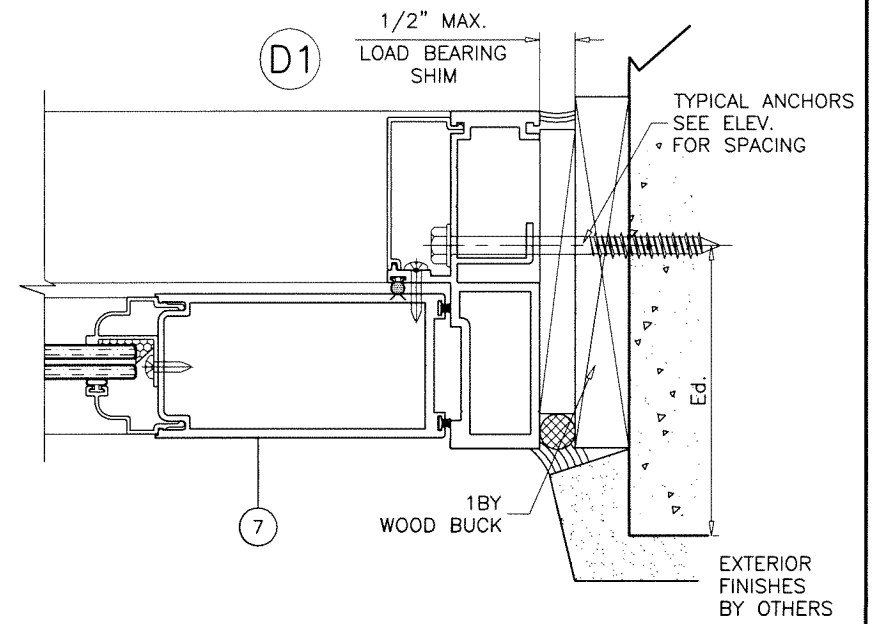
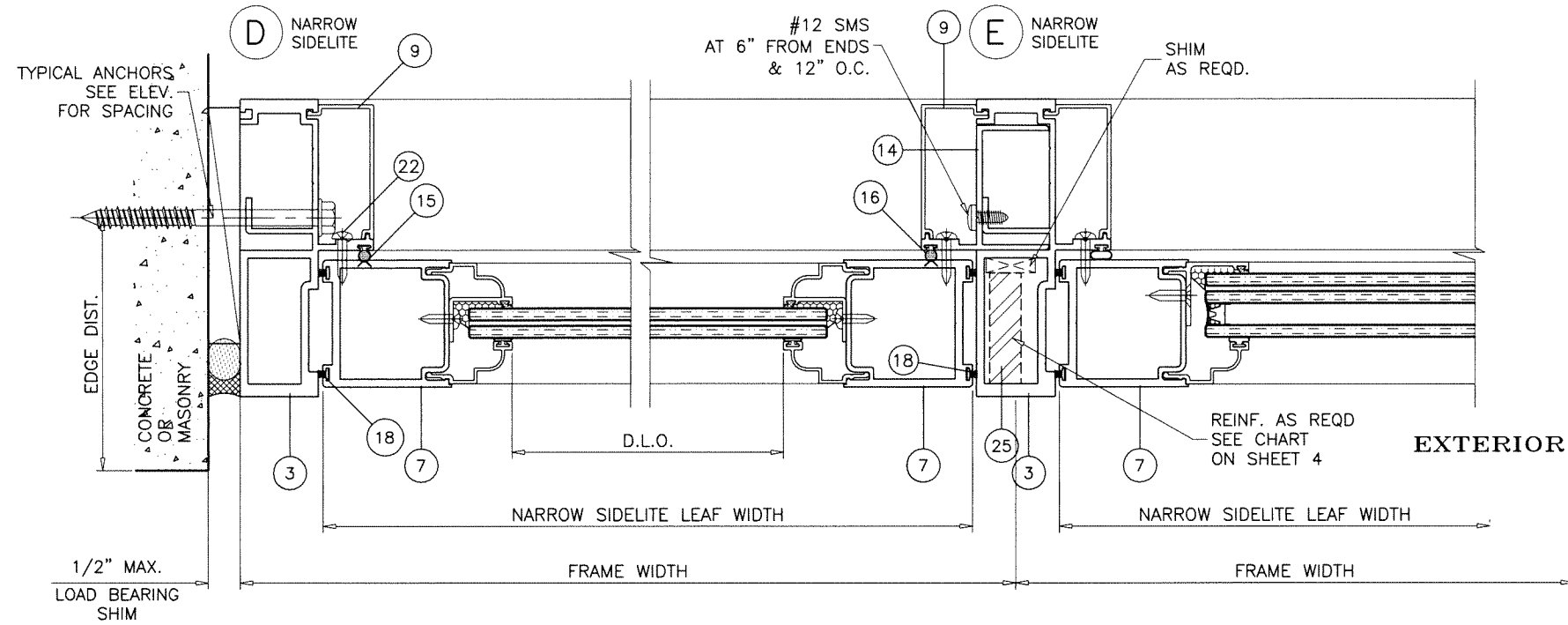
Coastline French Door/Entry Door Sidelite IZ4
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date: 12-15-17
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drawing no.
W17-117
 sheet 6 of 12



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revisions:

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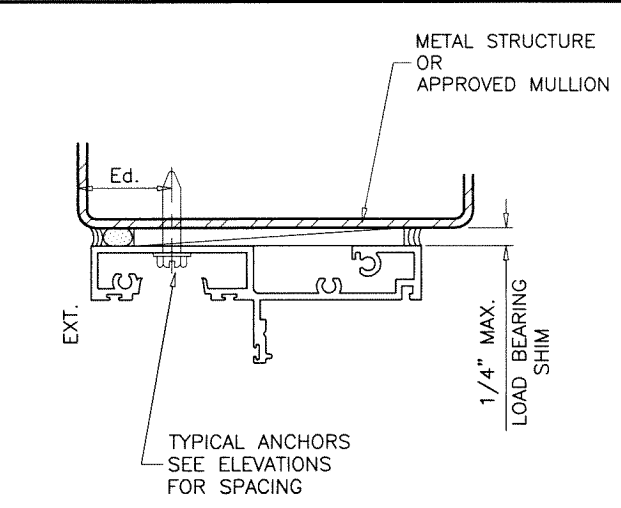
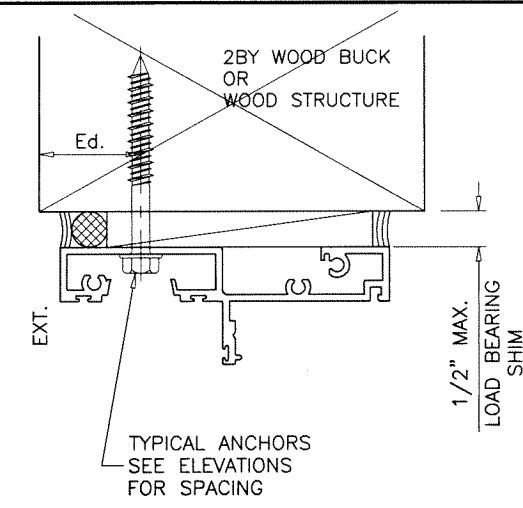
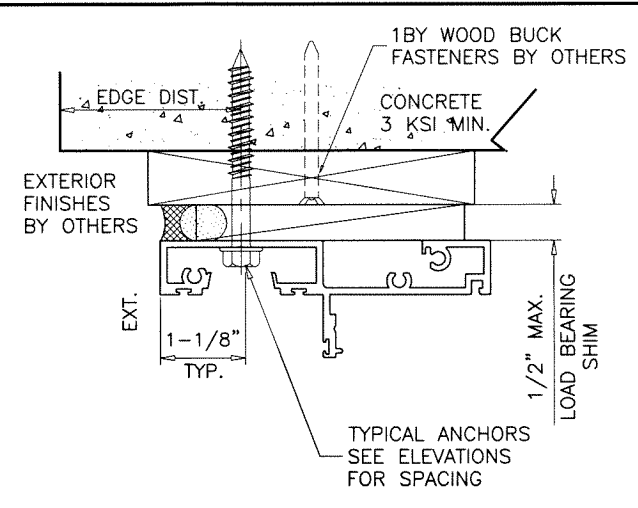
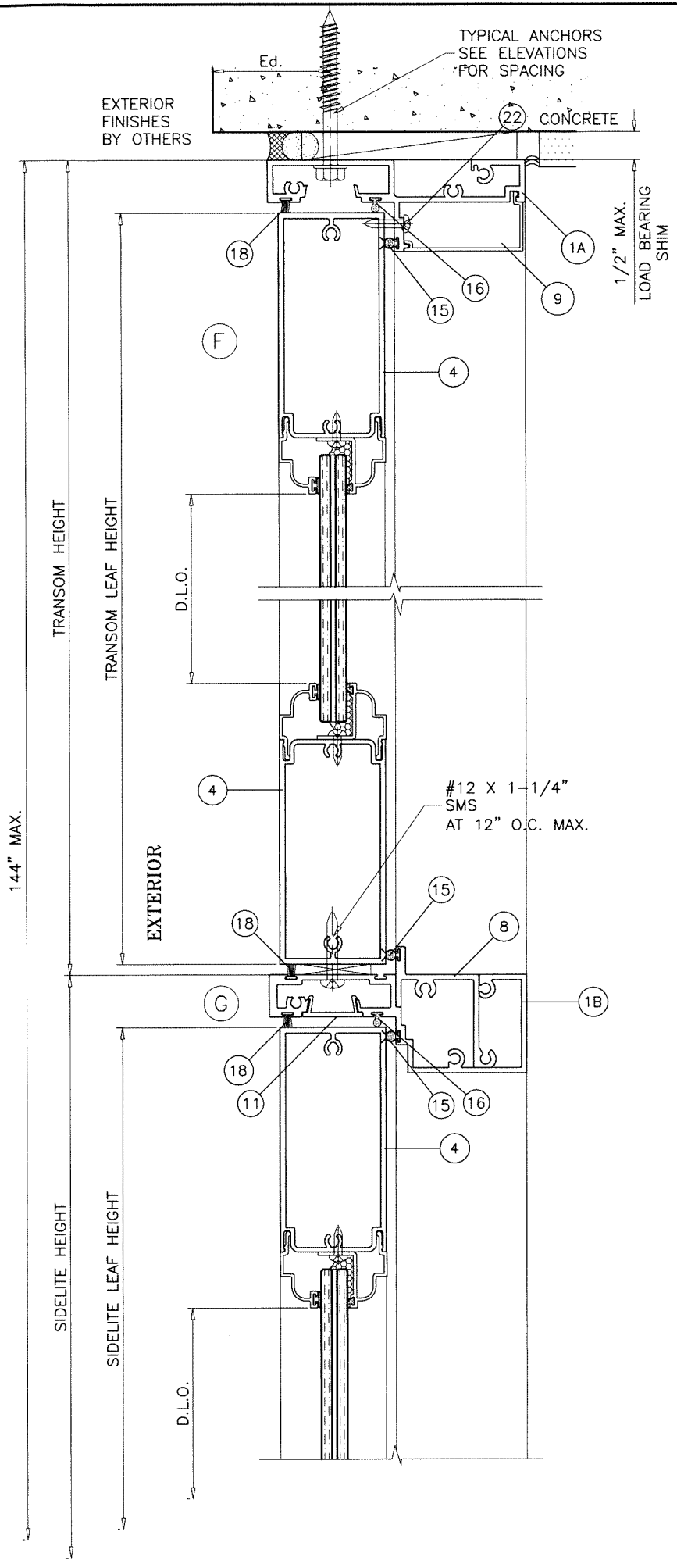
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W17-117
 sheet 7 of 12

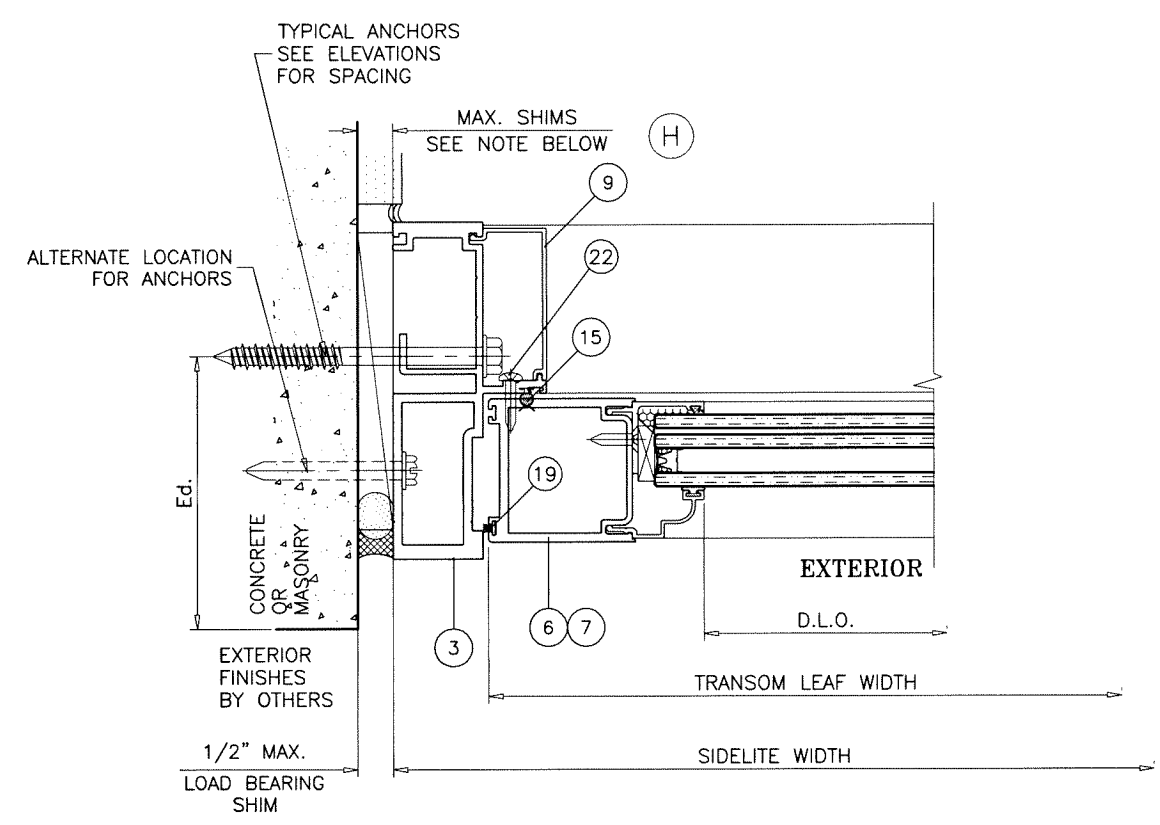
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FL #34013





TRANSOM HEAD FRAME



SHIM SPACE AT TRANSOM MULL ENDS:
ANCHORS INTO WOOD, MASONRY OR CONC.
1/2" MAX. SHIMS
ANCHORS INTO METAL STRUCTURES
1/4" MAX. SHIMS

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Coastline French Door/Entry Door Sidelite IZ4
MARVIN
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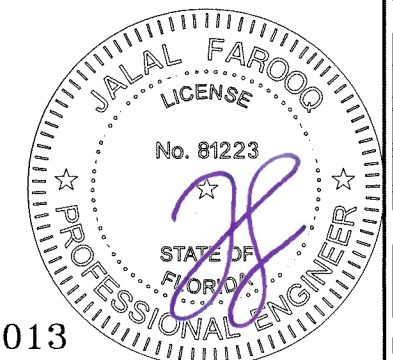
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chk. by:

drawing no.
W17-117
sheet 8 of 12

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FL #34013



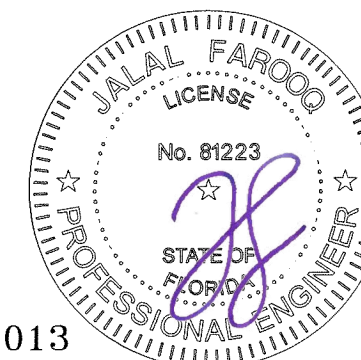
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1	SIW505	1	SIDELITE FRAME HEAD	6063-T6	-
1A	SIW523	1	TRANSOM FRAME HEAD	6063-T6	-
1B	SIW505B	1	TRANSOM MULLION	6063-T6	-
2	SIW515	1	STANDARD THRESHOLD	6063-T6	-
3	SIW506	2/DOOR	FRAME JAMB	6063-T6	-
4	SIW502	1/ LEAF	DOOR TOP RAIL	6063-T6	-
5	SEE SHEET 10	1/ LEAF	DOOR BOTTOM RAIL	6063-T6	-
6	SIW503	2/ LEAF	WIDE SIDELITE JAMB STILE	6063-T6	-
7	SIW507	2/ LEAF	NARROW SIDELITE JAMB STILE	6063-T6	-
8	SIW542	AS REQD.	TRANSOM MULLION ADAPTER	6063-T6	-
9	SIW511	AS REQD.	JAMB SCREW COVER	6063-T6	-
10	-	-	-	-	-
11	SIW510	AS REQD.	SNAP COVER	6063-T5	-
12	SIW512	AS REQD.	INTERIOR GLASS STOP (LAM. GLASS)	6063-T5	-
12A	SIW520	AS REQD.	INTERIOR GLASS STOP (INSUL. LAM. GLASS)	6063-T5	-
13	SIW513	AS REQD.	EXTERIOR GLASS STOP	6063-T6	-
13A	SIW533	AS REQD.	EXTERIOR GLASS STOP	6063-T6	-
14	SIW504	AS REQD.	MULL ADAPTER	6063-T6	-
15	9016E	-	BULB W'STRIPPING	VINYL	CENTRAL PLSTICS
16	U4513	-	Q-LON W'STRIPPING	VINYL	SCHLEGEL
17	5530	AS REQD.	INTERIOR GLAZING SPACER, DUROMETER 70±5 SHORE A	TPE	ULTRAFAB
17A	5531	AS REQD.	EXTERIOR GLAZING SPACER, DUROMETER 70±5 SHORE A	SANTOPRENE	CENTRAL PLASTICS
18	W23201NW0020	AS RQD.	FINSEAL PILE W'STRIPPING	-	ULTRAFAB
20	-	-	-	-	-
21	#8 X 1/2"	AS REQD.	GLASS STOP SCREWS SELF DRILLING	-	AT 8" FROM ENDS & 15" O.C. MAX.
22	#12 X 1-1/4"	-	FIX. PANEL SCREWS PH SMS	-	AT 6" FROM ENDS & 12" O.C. MAX.
25	-	AS REQD.	MULLION REINFORCING	STEEL	-
27	#12 X 2"	1/ CORNER	FRAME AND LEAF ASSEMBLY SCREWS	ST. STEEL	PH SMS
28	-	-	-	-	-
34	SIW539	-	2" CHAIR RAIL	6063-T6	-
35	-	2/ LITE	SETTING BLOCK, DUROMETER 85±5 SHORE A	EPDM	-

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SMALL JOINT SEALER.

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Coastline French Door/Entry Door Sidelite IZ4
MARVIN
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Tel. (218) 386-1430 Ext. 2143

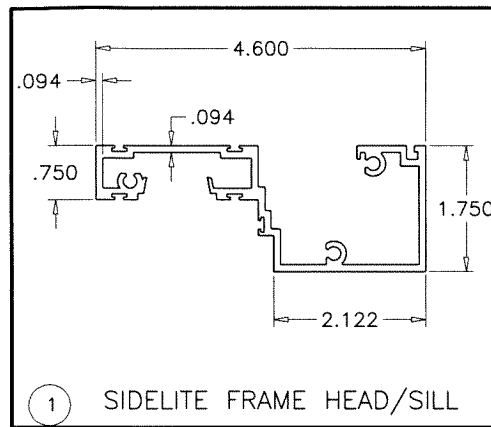
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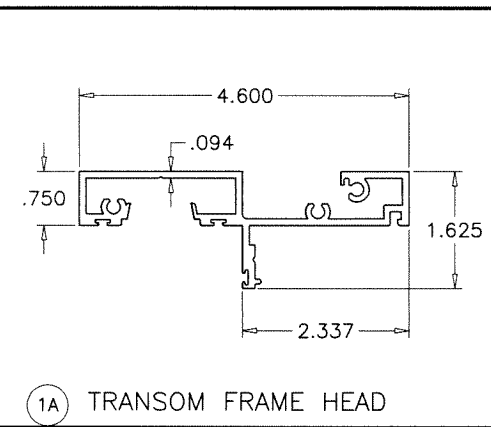
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drawing no.
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sheet 9 of 12

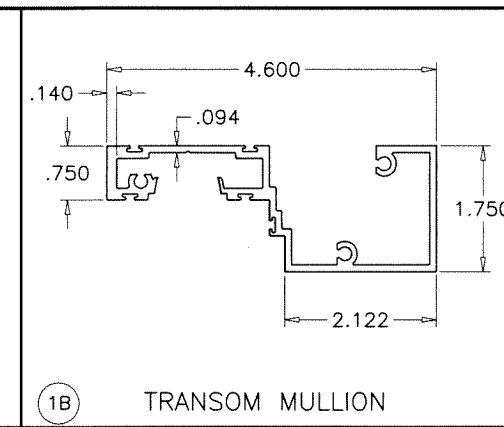
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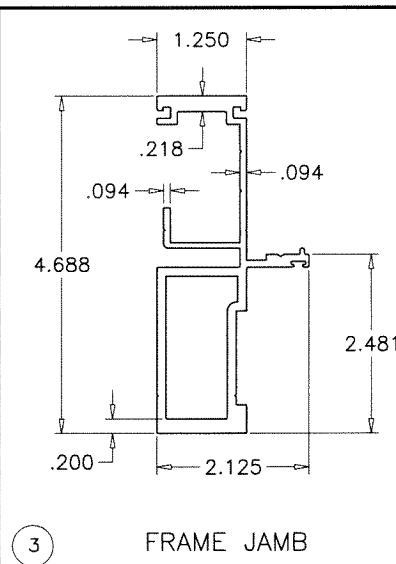
1 SIDELITE FRAME HEAD/SILL



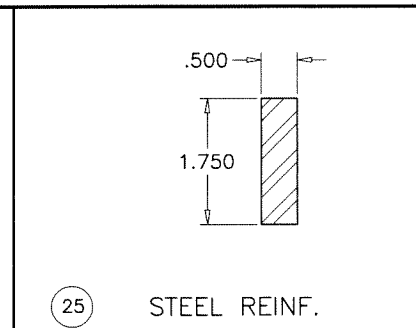
1A TRANSOM FRAME HEAD



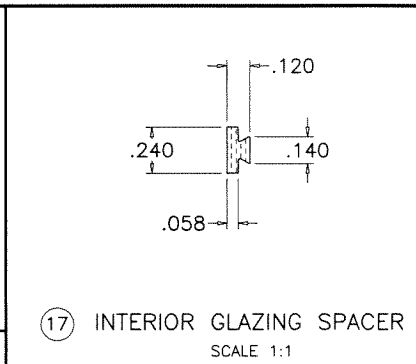
1B TRANSOM MULLION



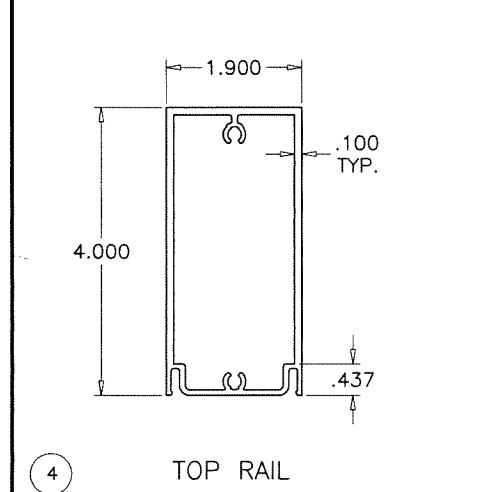
3 FRAME JAMB



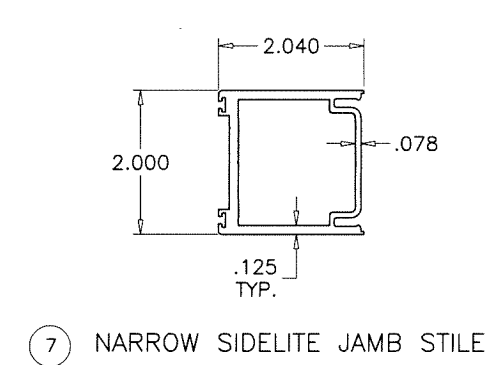
25 STEEL REINF.



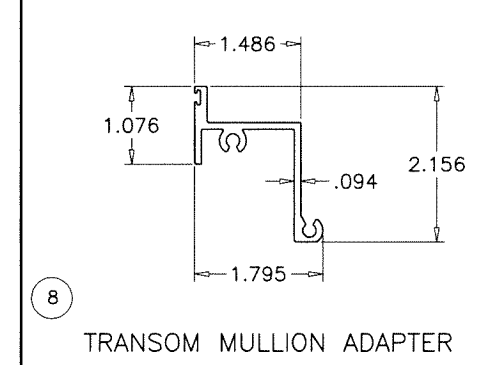
17 INTERIOR GLAZING SPACER
SCALE 1:1



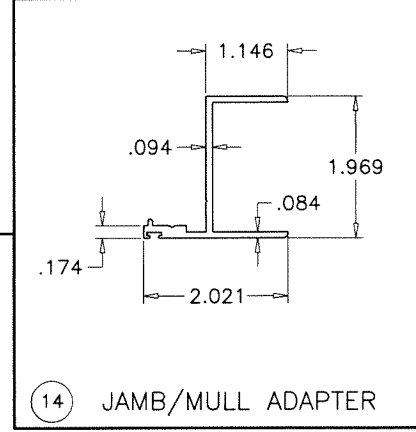
4 TOP RAIL



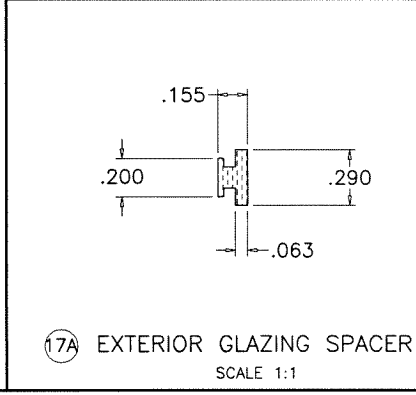
7 NARROW SIDELITE JAMB STILE



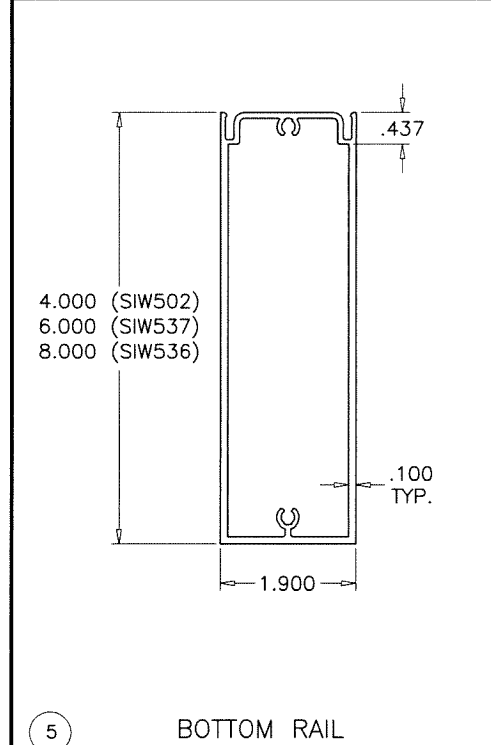
8 TRANSOM MULLION ADAPTER



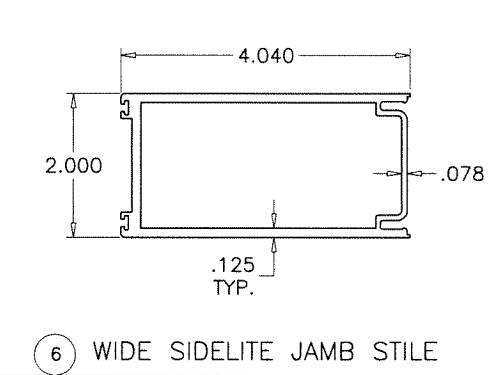
14 JAMB/MULL ADAPTER



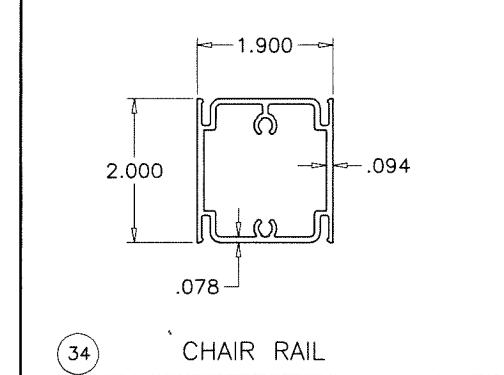
17A EXTERIOR GLAZING SPACER
SCALE 1:1



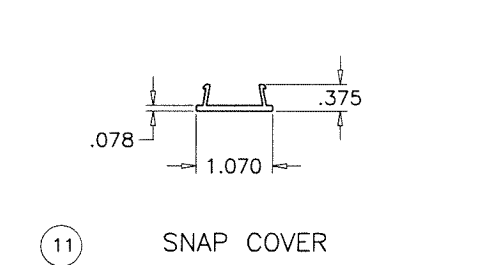
5 BOTTOM RAIL



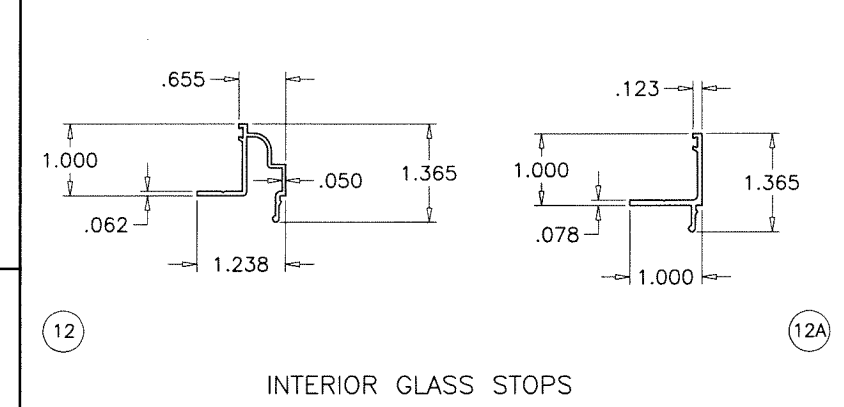
6 WIDE SIDELITE JAMB STILE



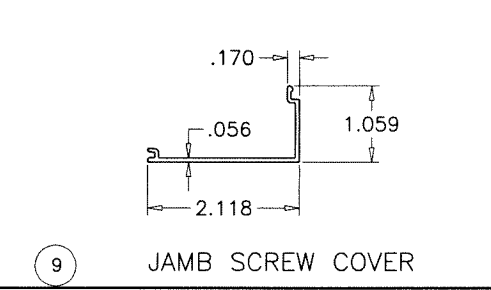
34 CHAIR RAIL



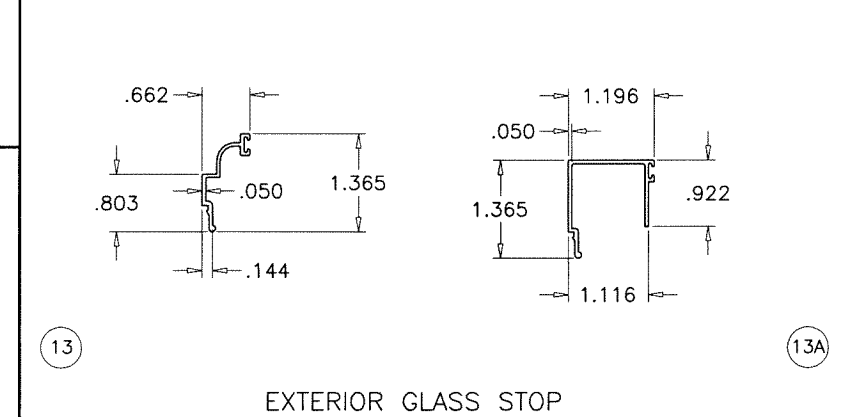
11 SNAP COVER



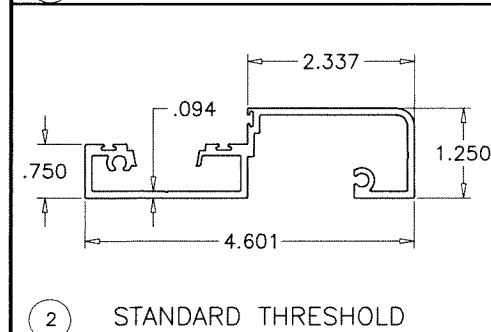
12 INTERIOR GLASS STOPS



9 JAMB SCREW COVER



13 EXTERIOR GLASS STOP



2 STANDARD THRESHOLD

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FL #34013

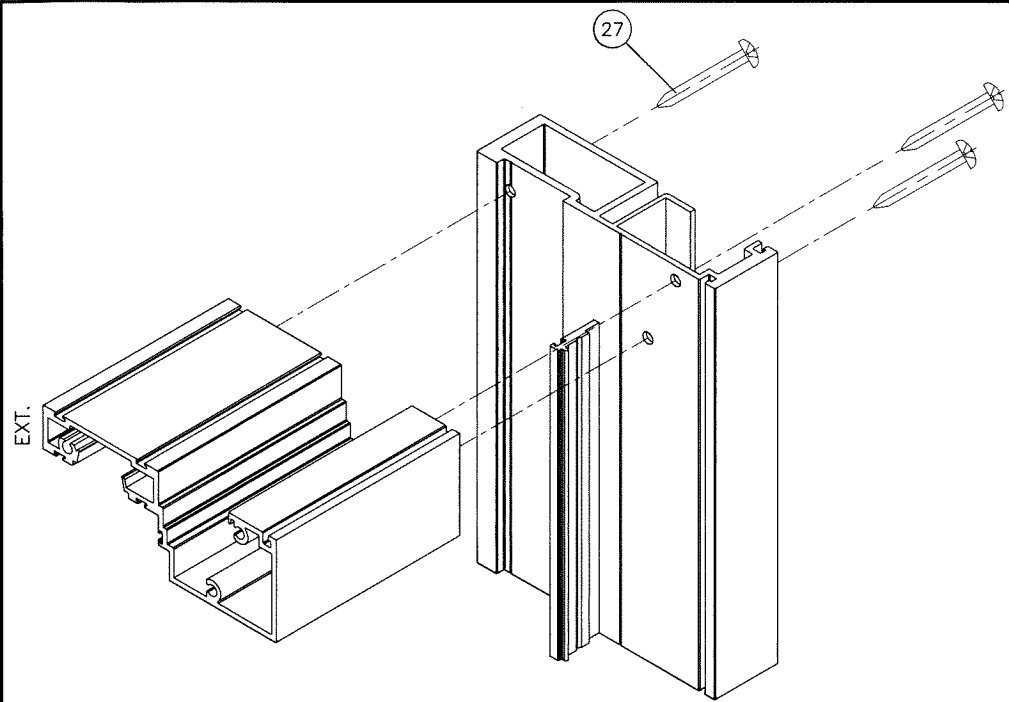


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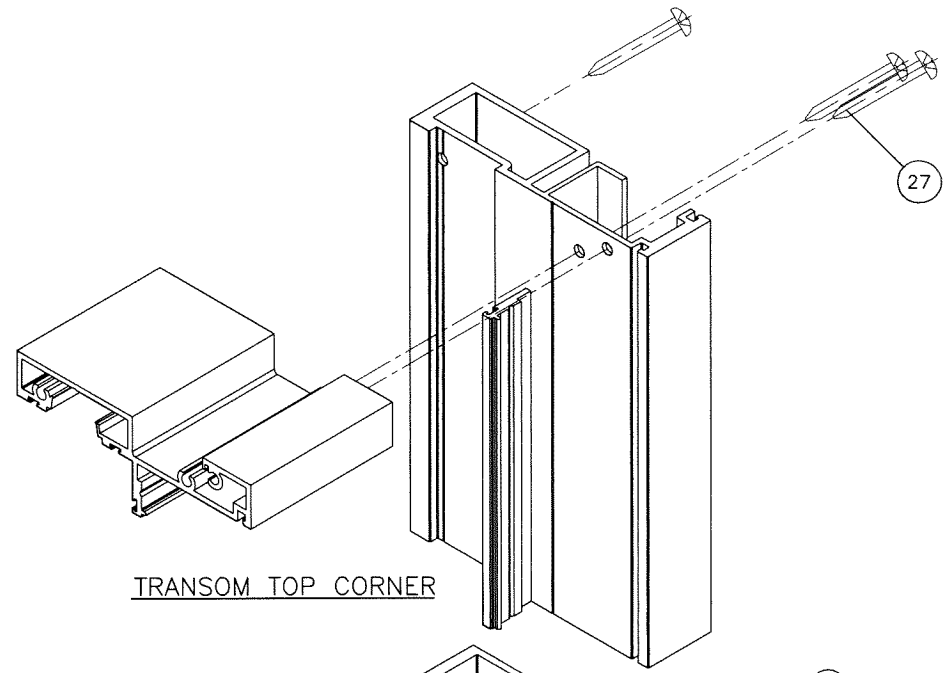
Coastline French Door/Entry Door Sidelite IZ4
MARVIN
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 Warroad, MN. 56763
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no	date	description

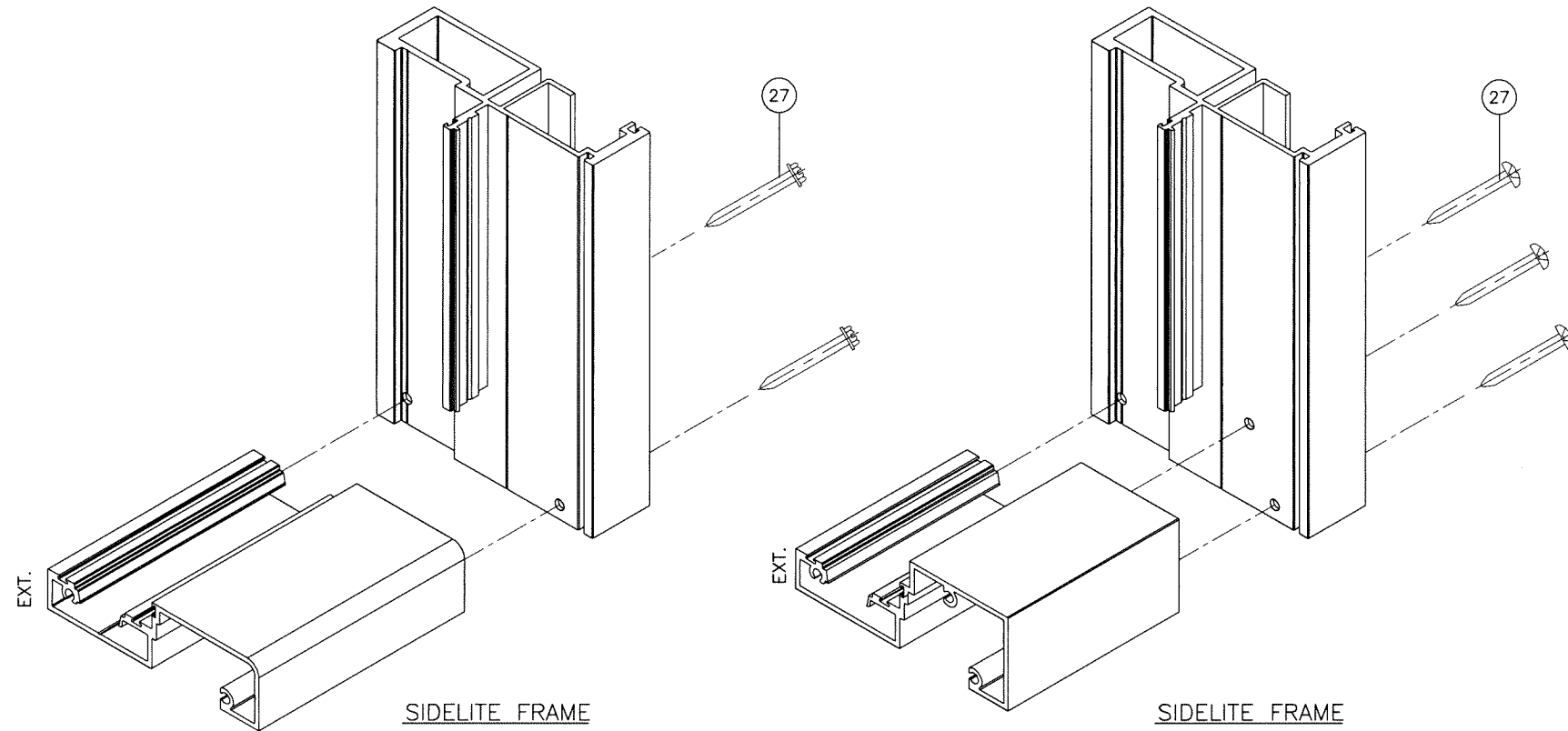
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 chk. by:
 drawing no.
W17-117
 sheet 10 of 12



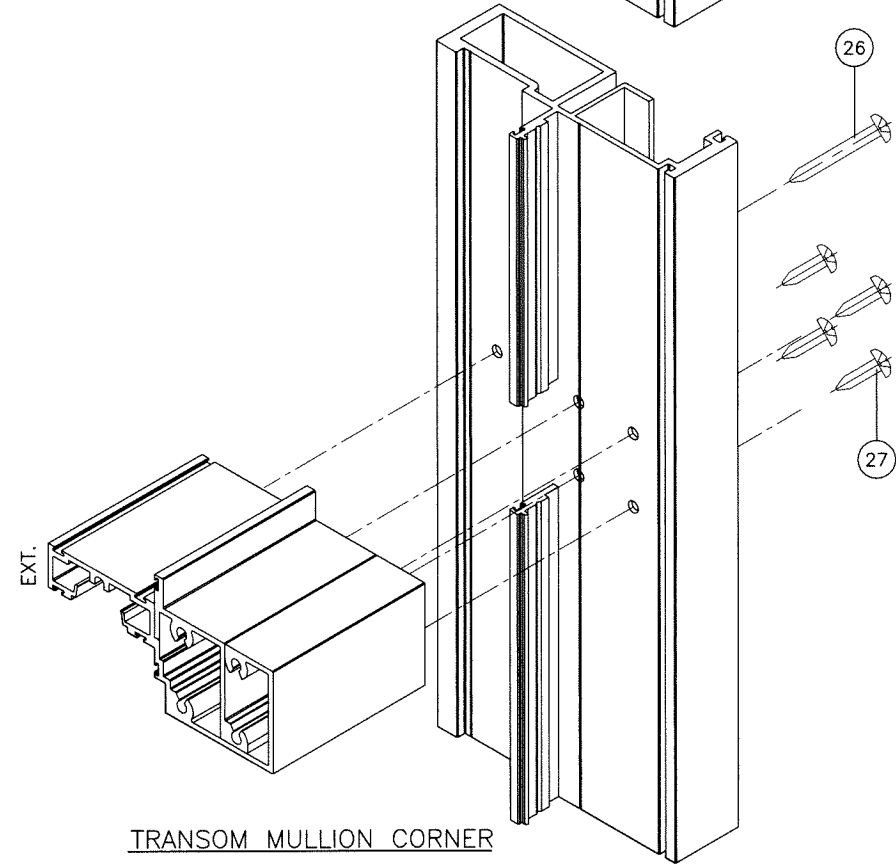
SIDELITE FRAME
TOP CORNER



TRANSOM TOP CORNER



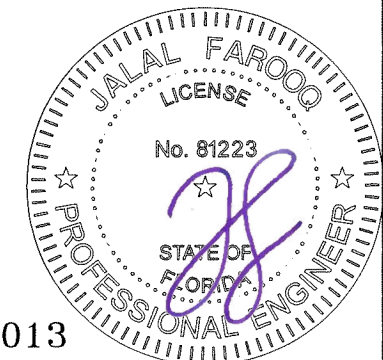
SIDELITE FRAME
BOTTOM CORNER



TRANSOM MULLION CORNER

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Coastline French Door/Entry Door Sidelite IZ4

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no date by description

date: 12-15-17

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chk. by:

drawing no.

W17-117

sheet 11 of 12



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 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL \ W17-117SIW

Coastline French Door/Entry Door Sidelite IZ4

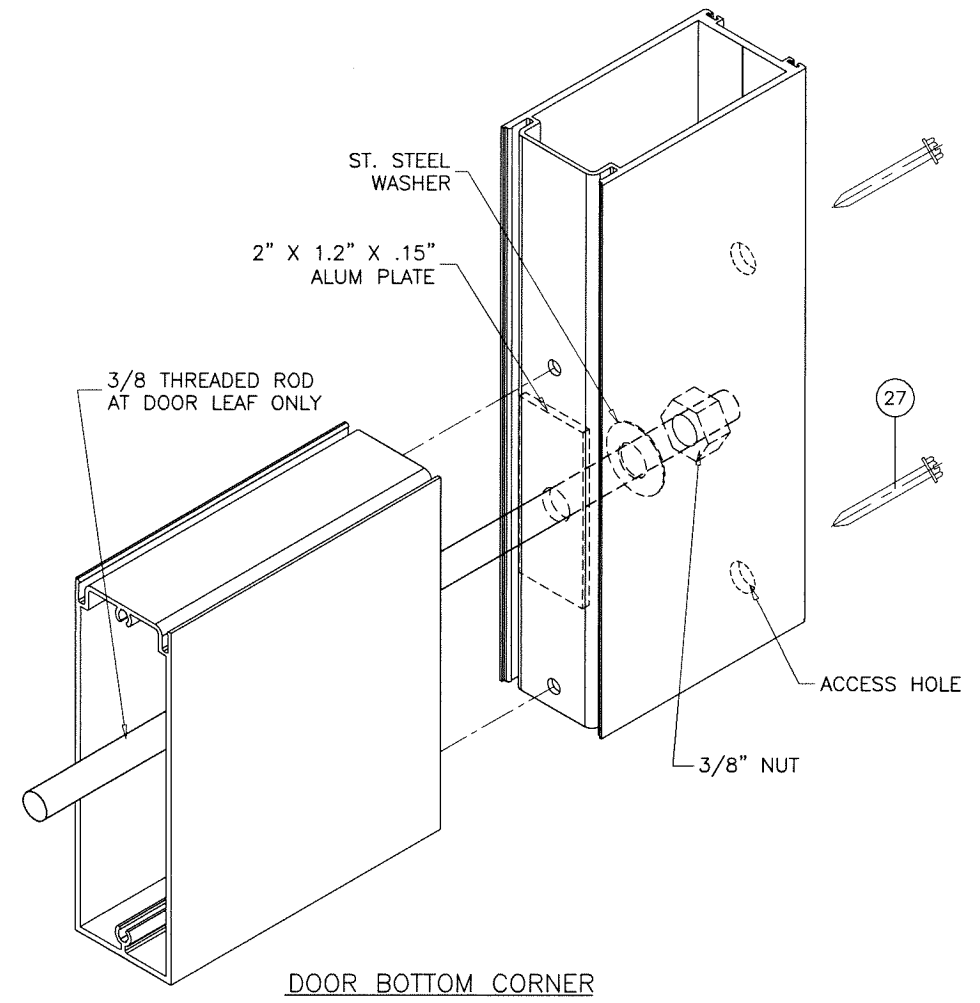
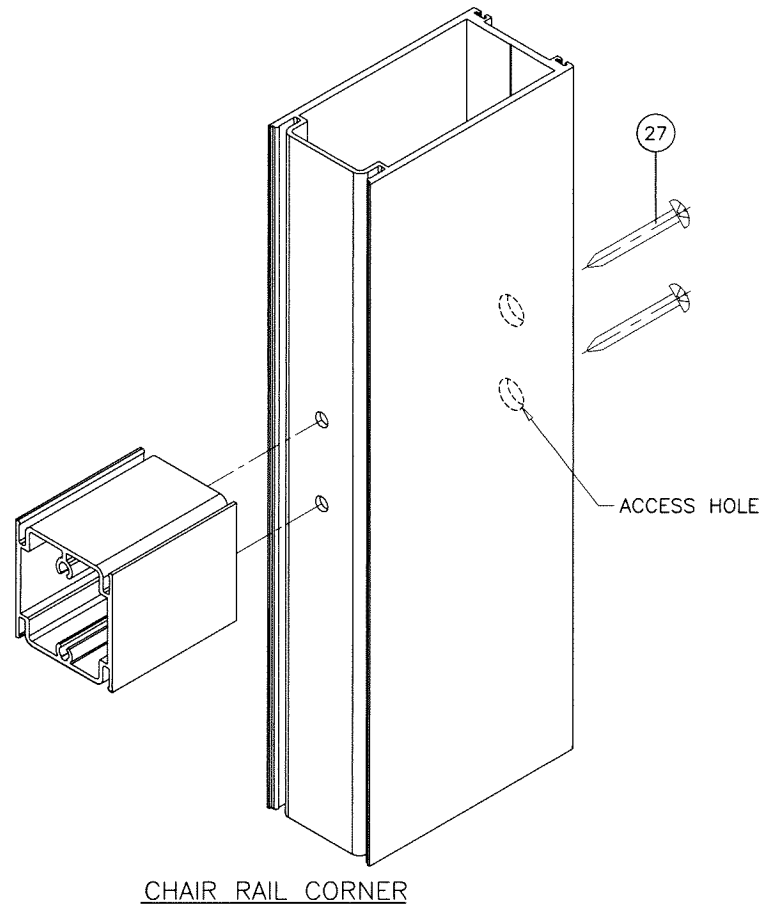
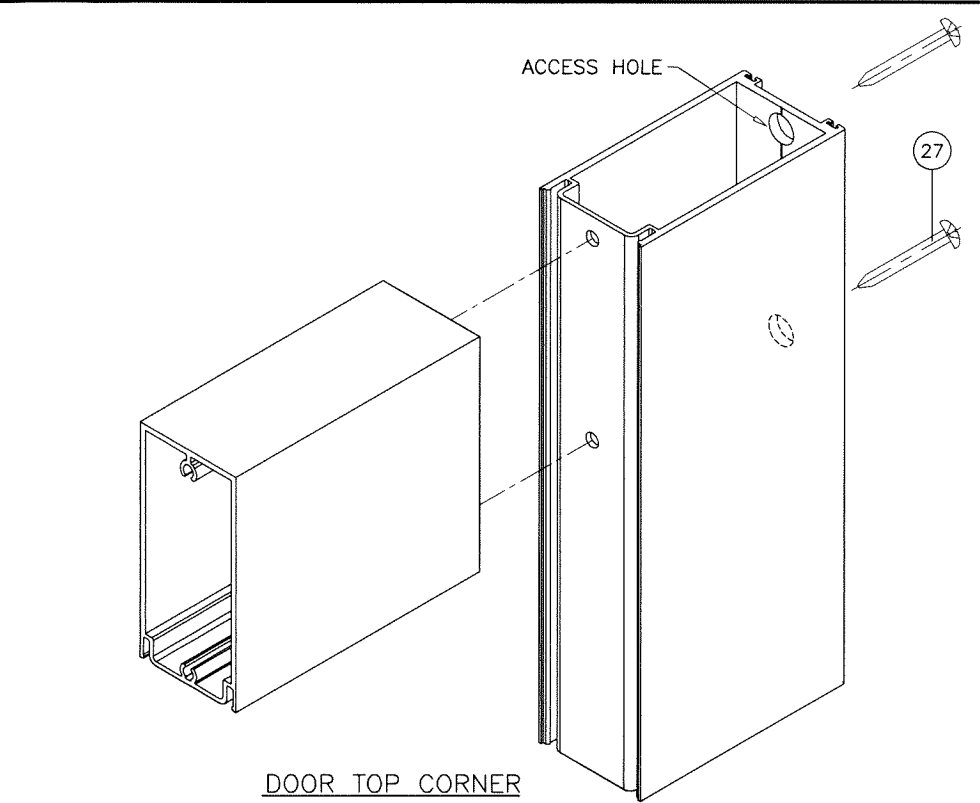


MARVIN
 PO Box 100, 401 State Ave. N.
 Warroad, MN. 56763
 Tel. (218) 386-1430 Ext. 2143

revisions:	no	date	by	description

date: 12-15-17	scale: 3/8" = 1"
dr. by: TARIQ	chk. by:

drawing no.
W17-117
 sheet 12 of 12



Sealed: 7/26/2023

FL #34013

