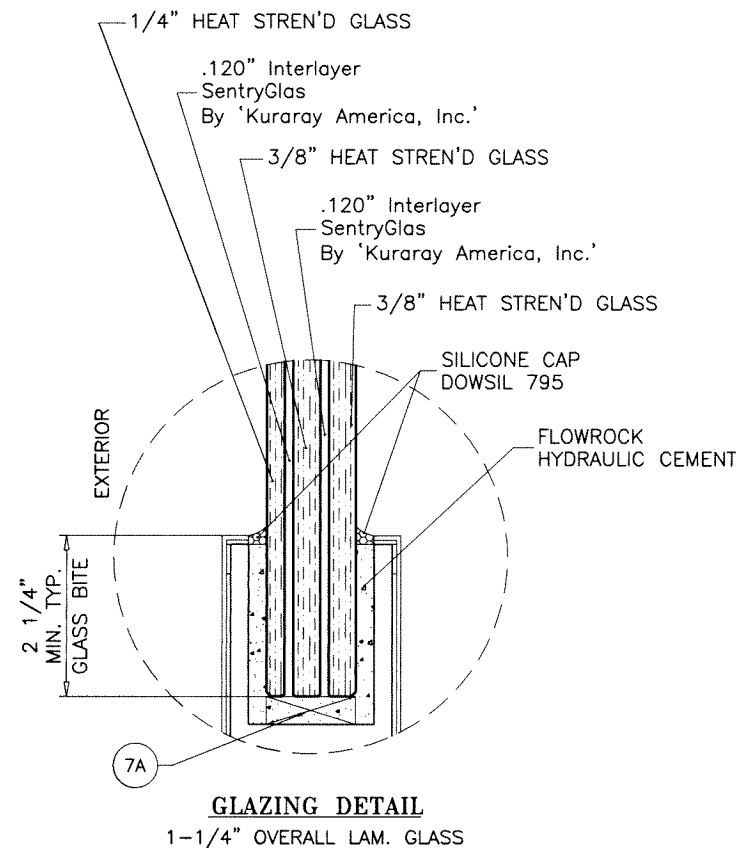




SERIES 'SLIMPACT' PANIC OUTSWING GLASS DOOR

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 NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

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

DOORS LOAD CAPACITY - PSF							
SINGLE DOOR DIMS.		DOUBLE DOOR DIMS.		LEAF DIMS.			
WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)
62"	95-1/2"	122-1/4"	95-1/2"	60"	89-15/16"	72.0	72.0
50"	125-1/4"	98-1/4"	125-1/4"	48"	119-11/16"	72.0	72.0

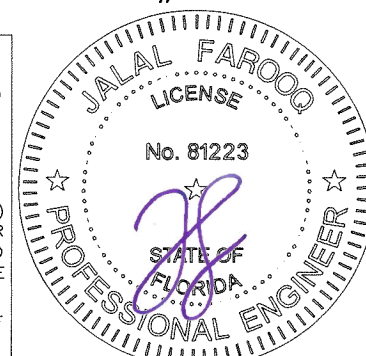
THROW LOCK AT THRESHOLD TO BE ENGAGED DURING PERIODS OF HURRICANE WARNING ONLY.

LIFE SAFETY AND EGRESS REQUIREMENTS TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION (AHJ). (SEE PART 15A SHEET 3)

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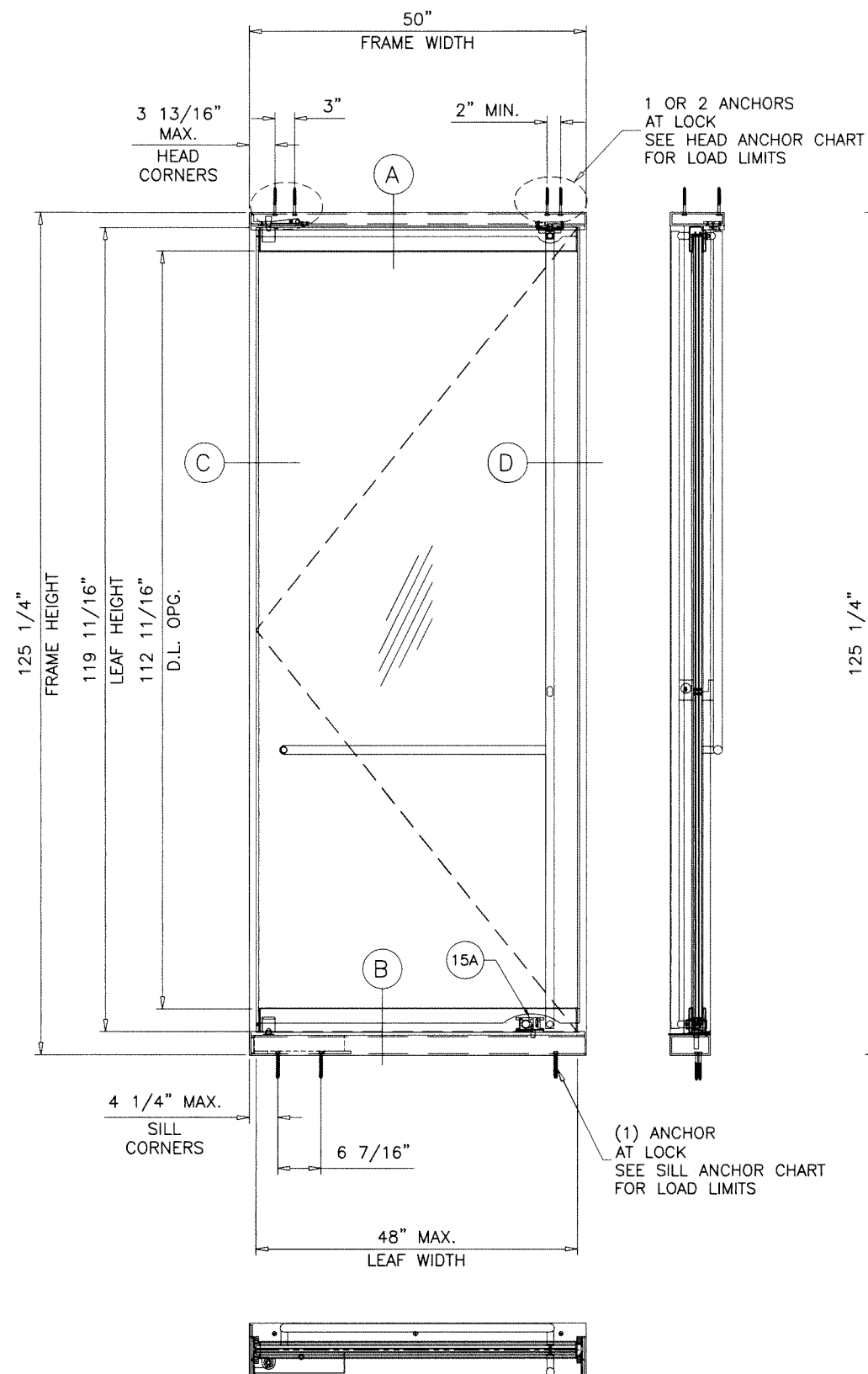
A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE 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.



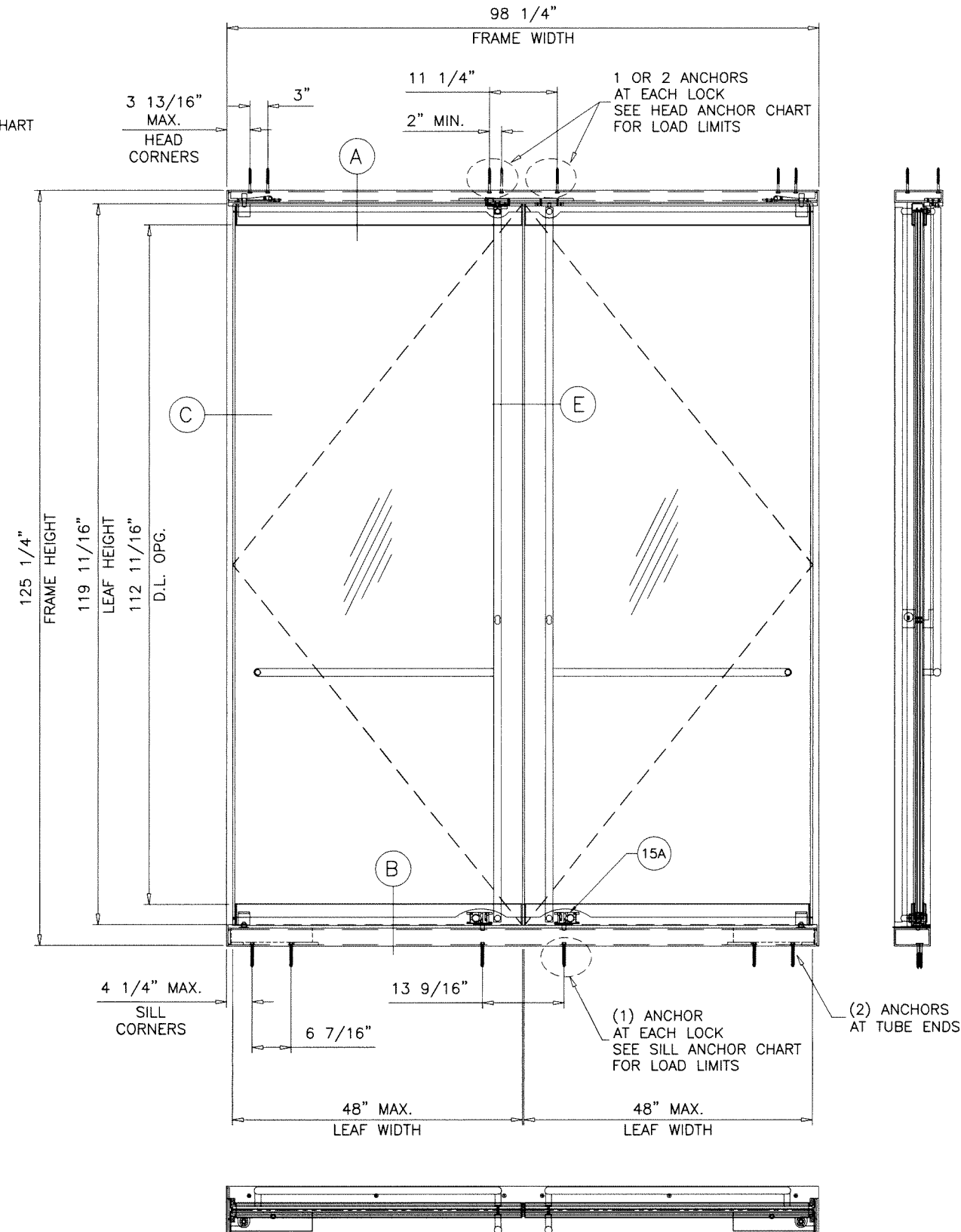
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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL\21-74F-FGT

SLIMPACT (PANIC) OUTSWING GLASS DOOR (L.M.I.)
Faour Glass Technologies
5119 West Knox Street
Tampa, FL. 33634
Tel. (813) 884-3297
WWW.fourglass.com

revisions:	no.	date	by	description
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date:	12-13-21			
scale:	3/8" = 1"			
dr. by:	TARIQ			
chk. by:				
drawing no.	21-74F			
sheet	1 of 9			



TYPICAL ELEVATION
(X)



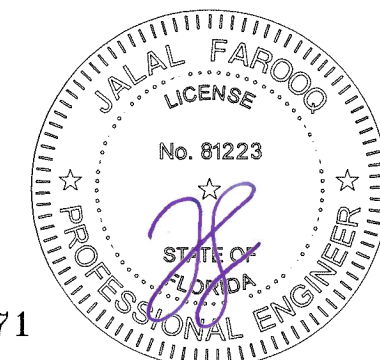
TYPICAL ELEVATION
(XX)

HEAD ANCHOR LOAD CAPACITY — PSF		
ANCHOR TYPES	1 ANCHOR AT LOCK	
	3/8" MAX. SHIM	1/2" MAX. SHIM
A	—	35.0
B	—	43.4
C	72.0	58.2
D	72.0	58.9
D1	61.3	49.3
2 ANCHORS AT EACH LOCK MAX. LOAD CAPACITY = 72.0 PSF		

SEE CHART ON SHEET 1 FOR DOOR DESIGN
LOAD CAPACITY
SEE SHEET 4 FOR ANCHOR DESCRIPTIONS.

SILL ANCHOR LOAD CAPACITY — PSF		
ANCHOR TYPES	1 ANCHOR AT LOCK	
	3/8" MAX. SHIM	1/2" MAX. SHIM
A	—	35.0
B	—	43.4
C	72.0	58.2
D	72.0	58.9

SEE CHART ON SHEET 1 FOR DOOR DESIGN
LOAD CAPACITY
SEE SHEET 4 FOR ANCHOR DESCRIPTIONS.



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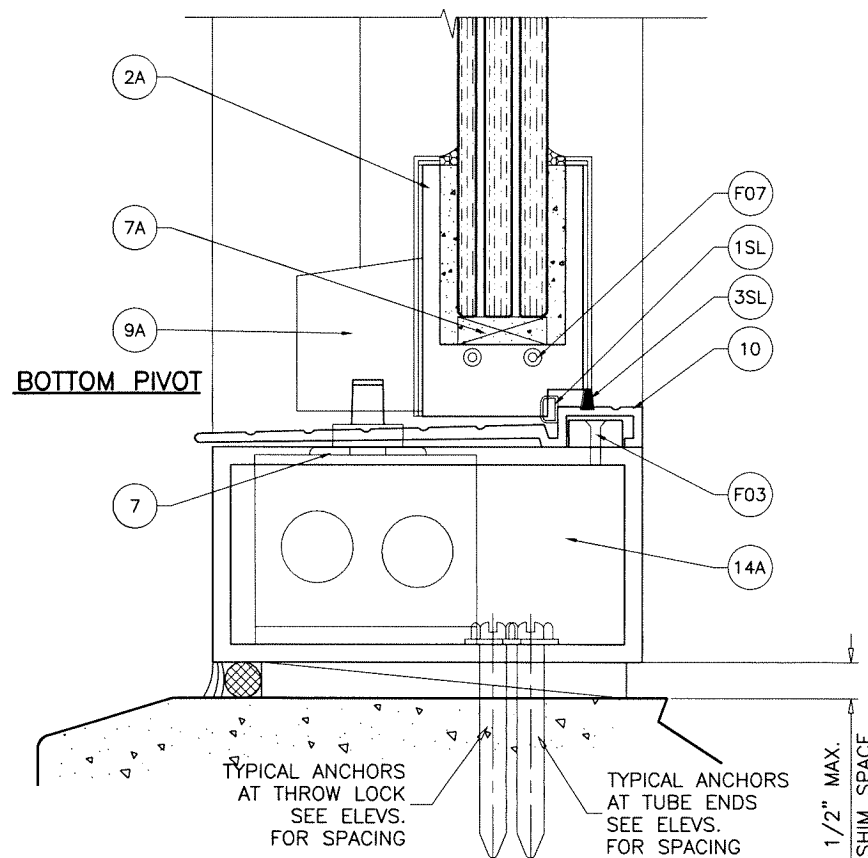
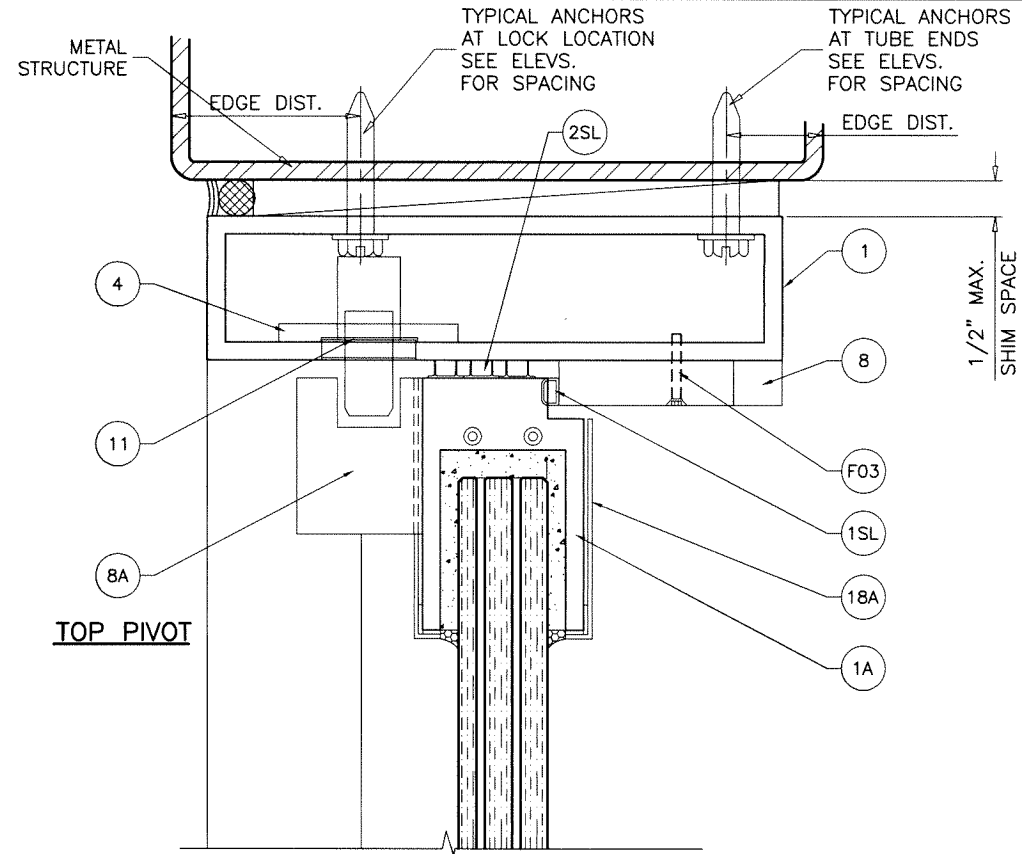
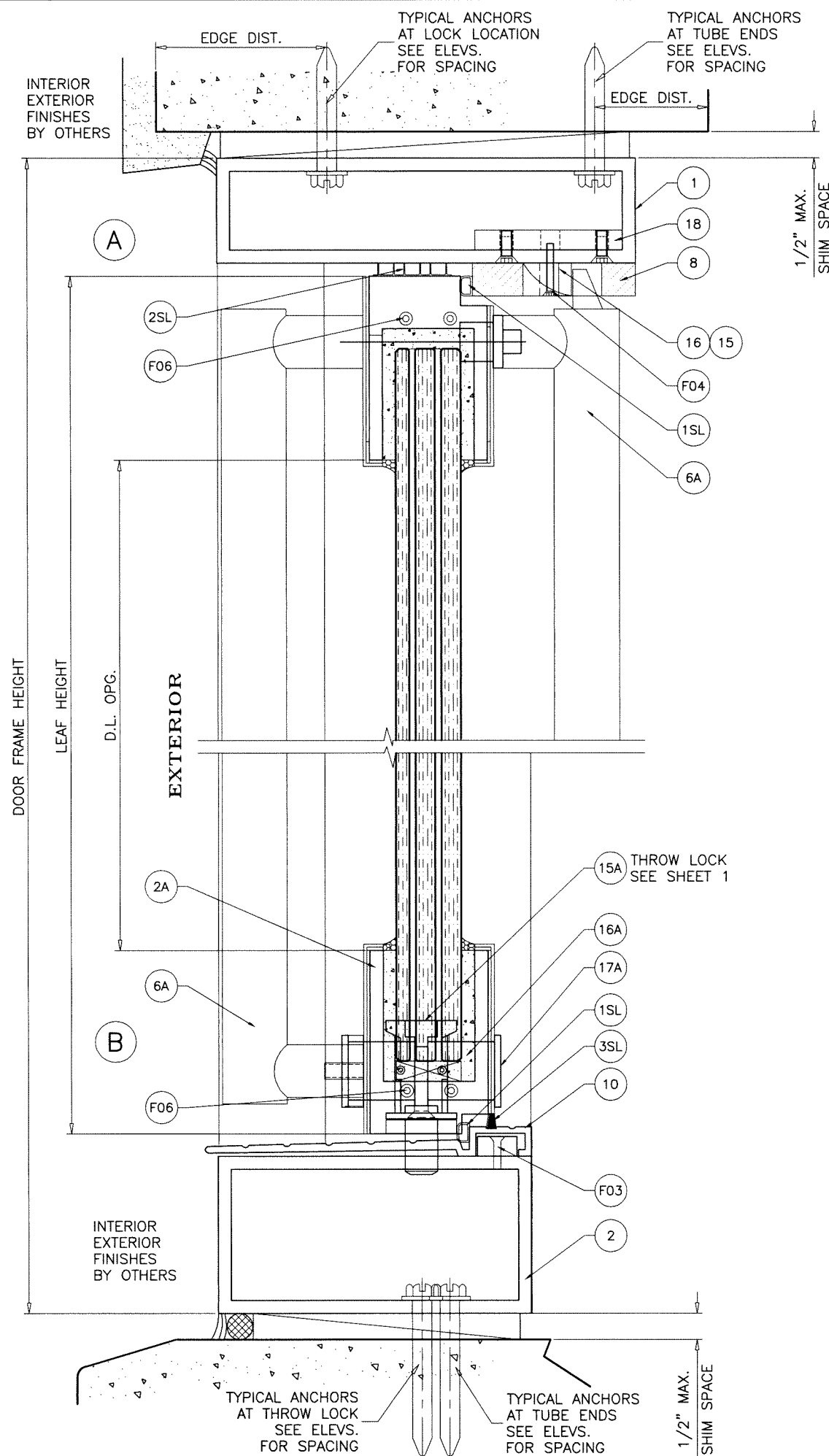
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dr. by: TARIQ		
chk. by:		

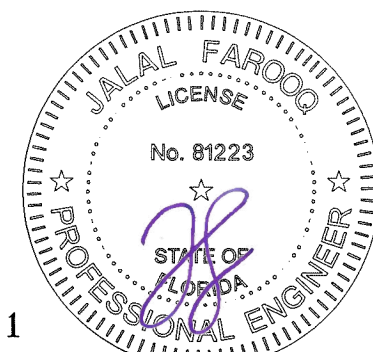
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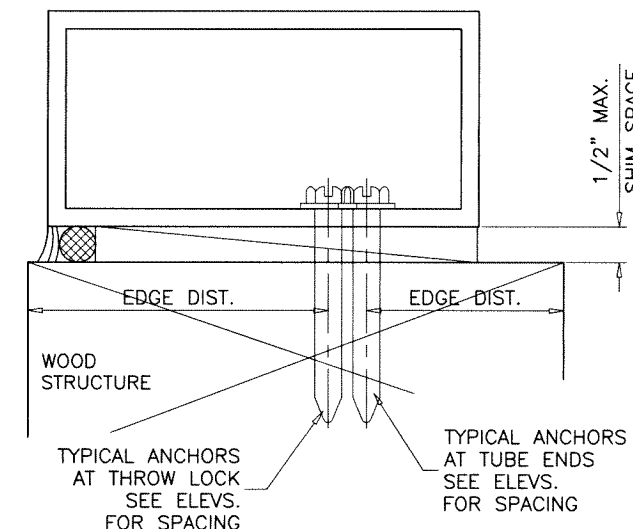
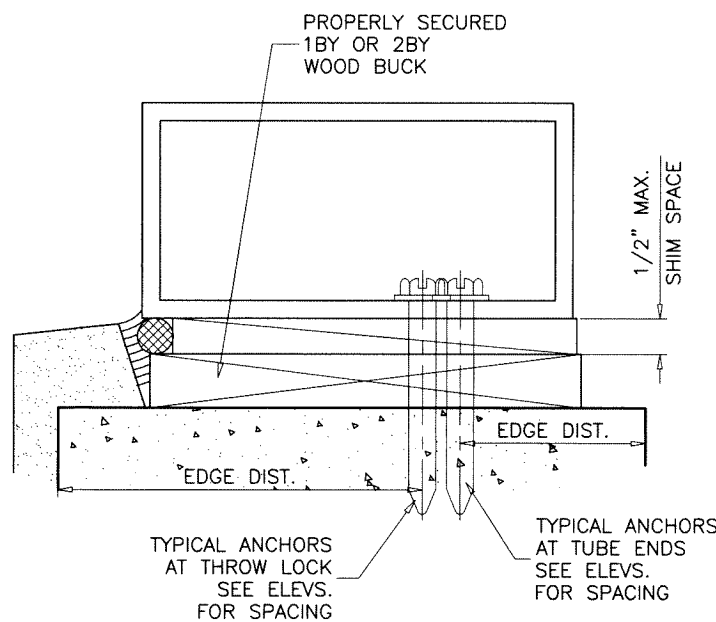
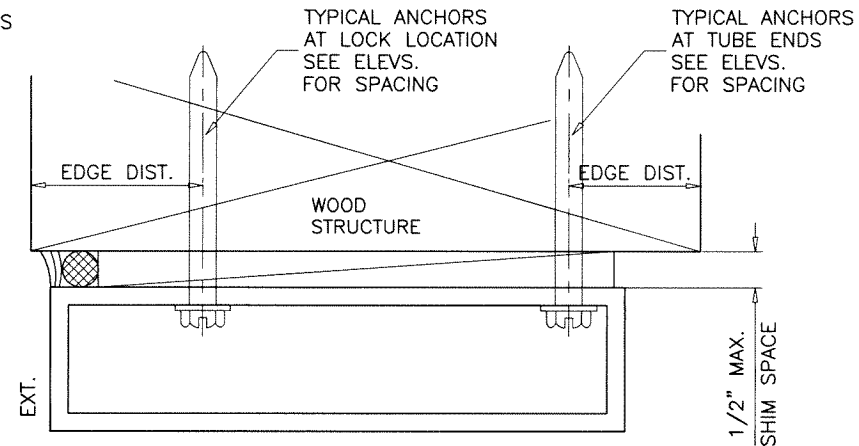
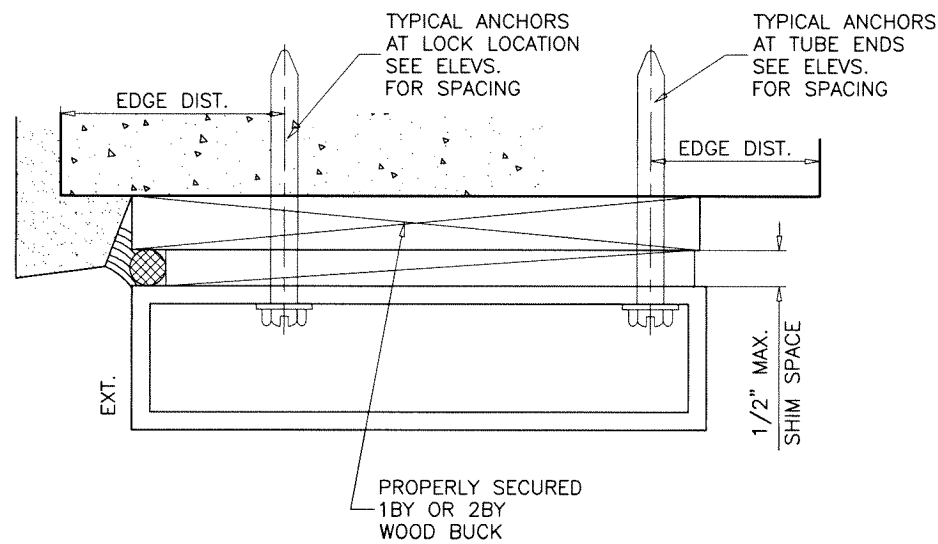
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dr. by:	TARIQ	chk. by:	
drawing no.	21-74F		
sheet	3 of 9		



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

ANCHOR 'A'— 1/2" DIA. LAG SCREWS
 INTO WOOD STRUCTURES
 3" MIN. PENETRATION INTO WOOD (HEAD/SILL)

ANCHOR 'B'— 3/8" DIA. Screw-Bolt+ BY 'DEWALT'
 THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE (HEAD/SILL)
 3-1/4" MIN. EMBED INTO CONCRETE

ANCHOR 'C'— 3/8" DIA. Screw-Bolt+ BY 'DEWALT'
 DIRECTLY INTO CONCRETE (HEAD/SILL)
 3-1/4" MIN. EMBED INTO CONCRETE

ANCHOR 'D'— 3/8" DIA. Top-Flex BY 'DEWALT'
 INTO METAL STRUCTURES
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 ALUMINUM: 1/4" THK. (6063-T5)
 STEEL: 1/4" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR 'D1'—3/8" DIA. ST. STEEL MACHINE SCREW (Fu=120 KSI MIN., Fy=92 KSI MIN.)
 INTO METAL STRUCTURES
 1/4" EMBEDMENT INTO SUBSTRATE
 ALUMINUM: 1/4" THK. (6063-T5)
 STEEL: 1/4" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

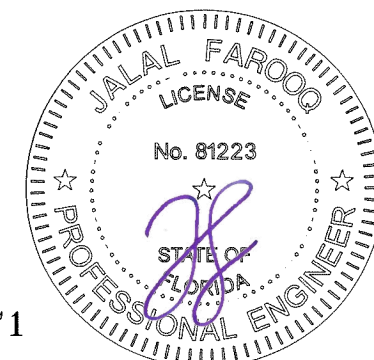
TYPICAL EDGE DISTANCE

INTO CONCRETE = 2-1/4" MIN.
 INTO WOOD STRUCTURE = 2" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL f'c = 3000 PSI MIN.

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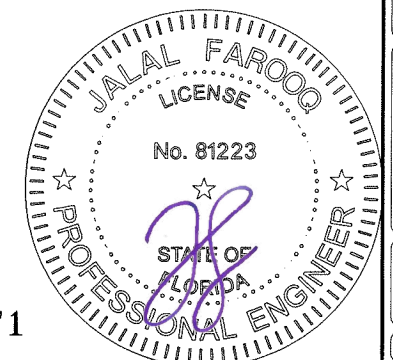
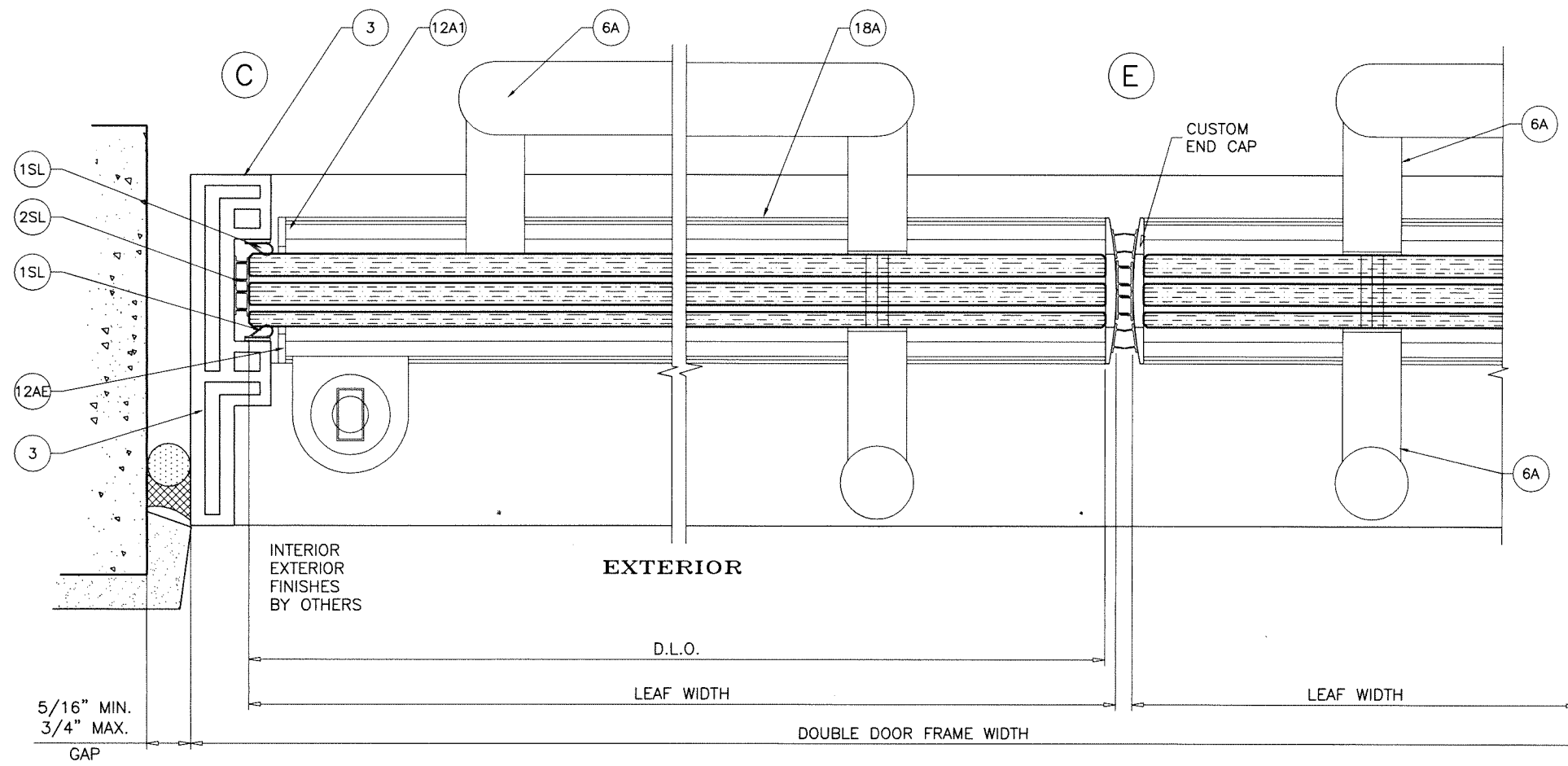
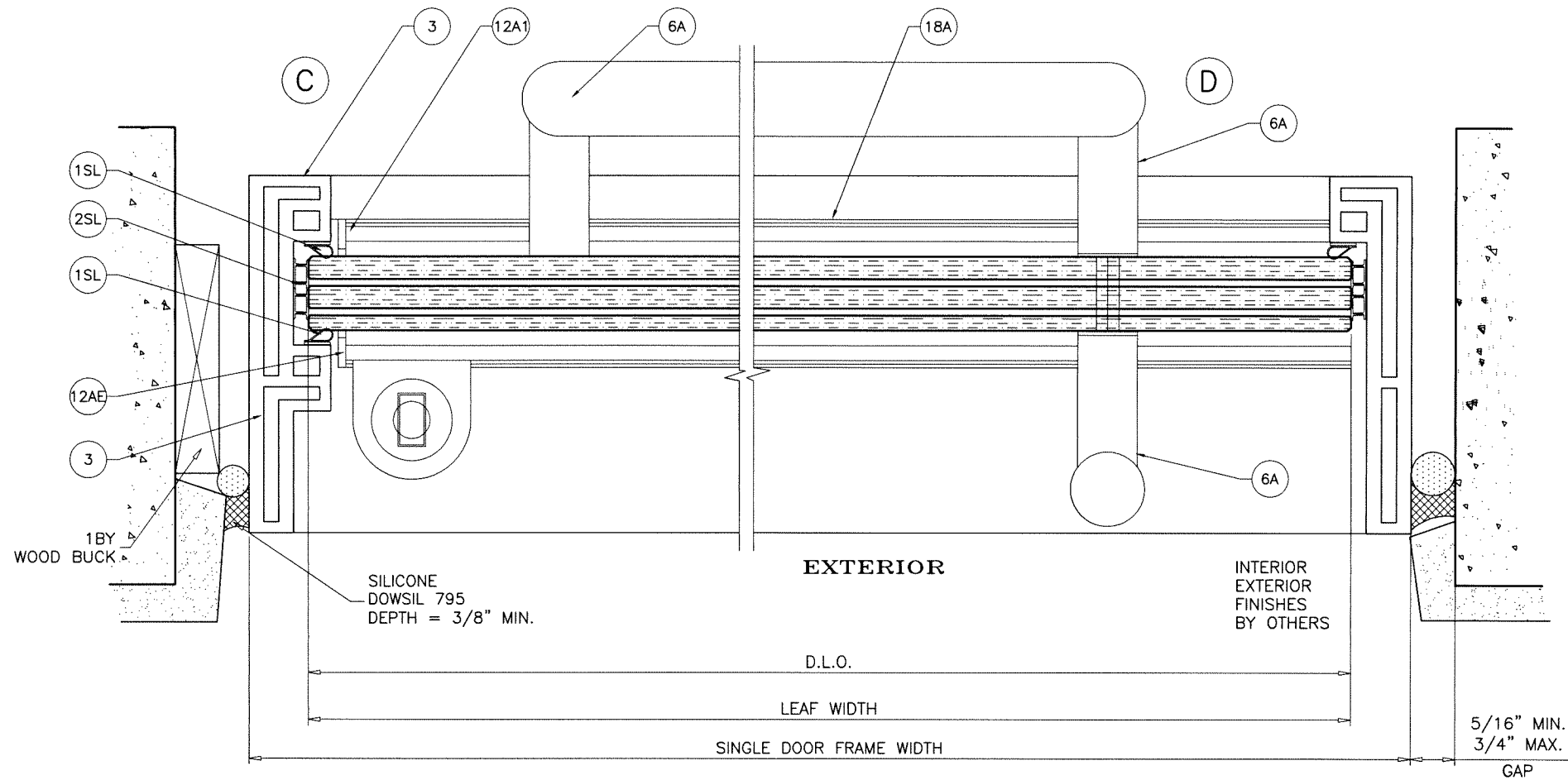
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revisions:		no	date	by	description
date:	12-13-21	scale:	3/8" = 1"	dr. by:	TARIQ
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drawing no.		21-74F			
sheet		4 of 9			



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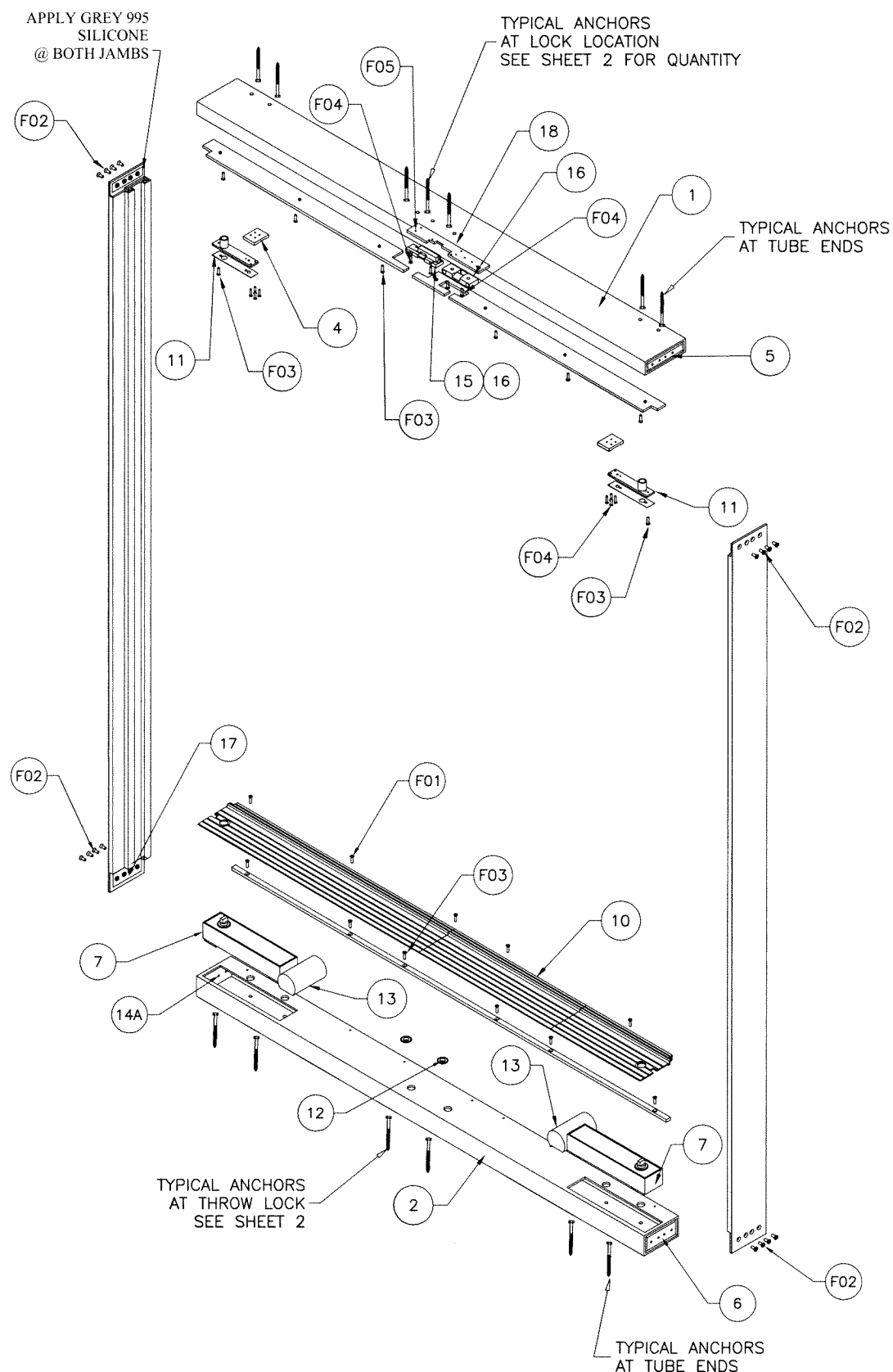
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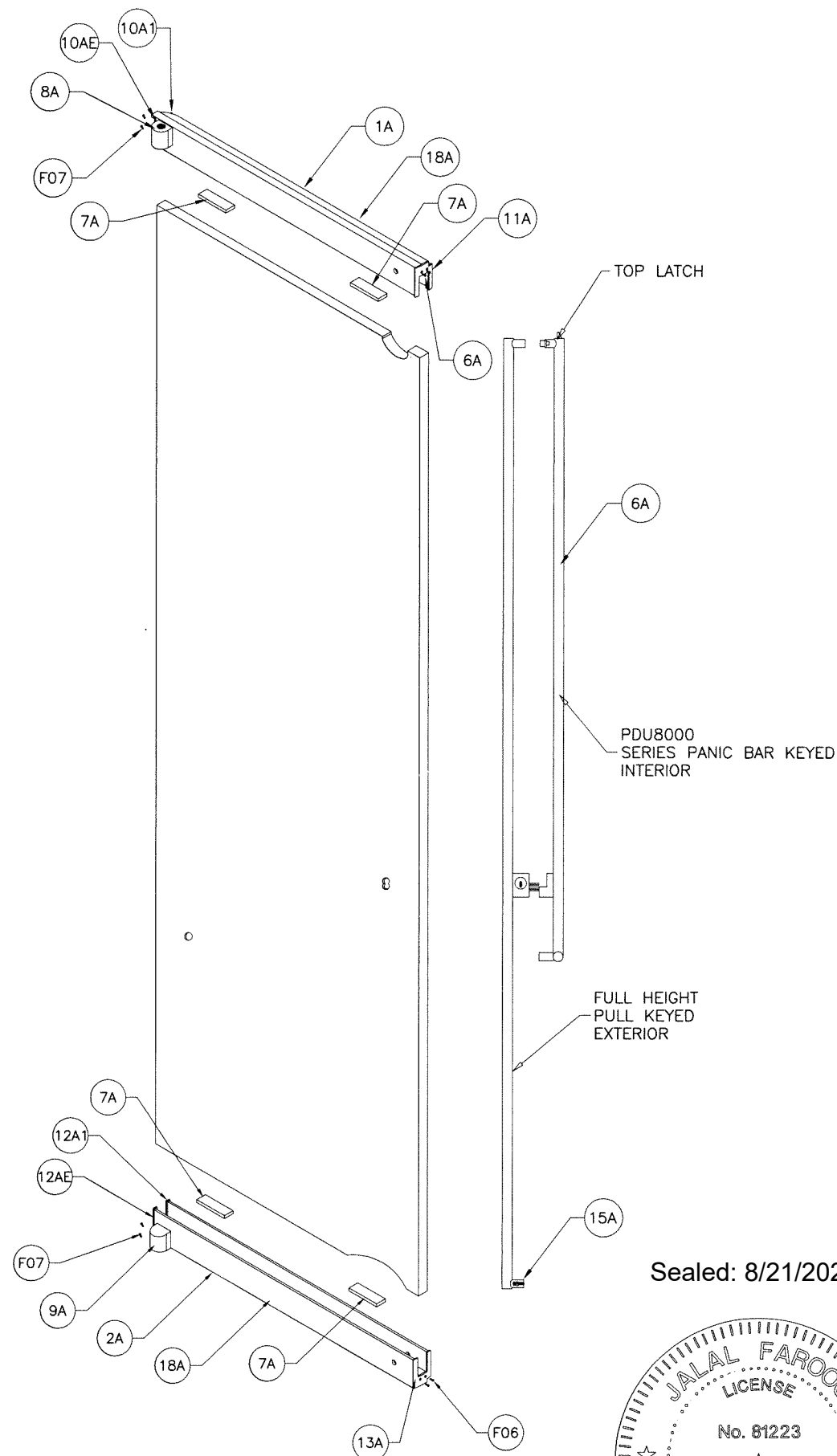
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21-74F

sheet 5 of 9

APPLY GREY 995
SILICONE
@ BOTH JAMBS

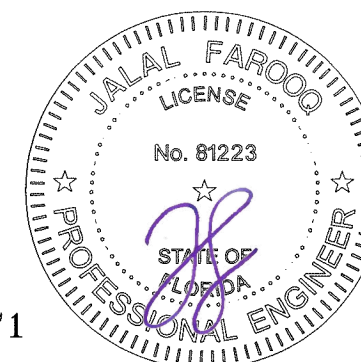


DOOR FRAME EXPLODED VIEW



DOOR LEAF EXPLODED VIEW

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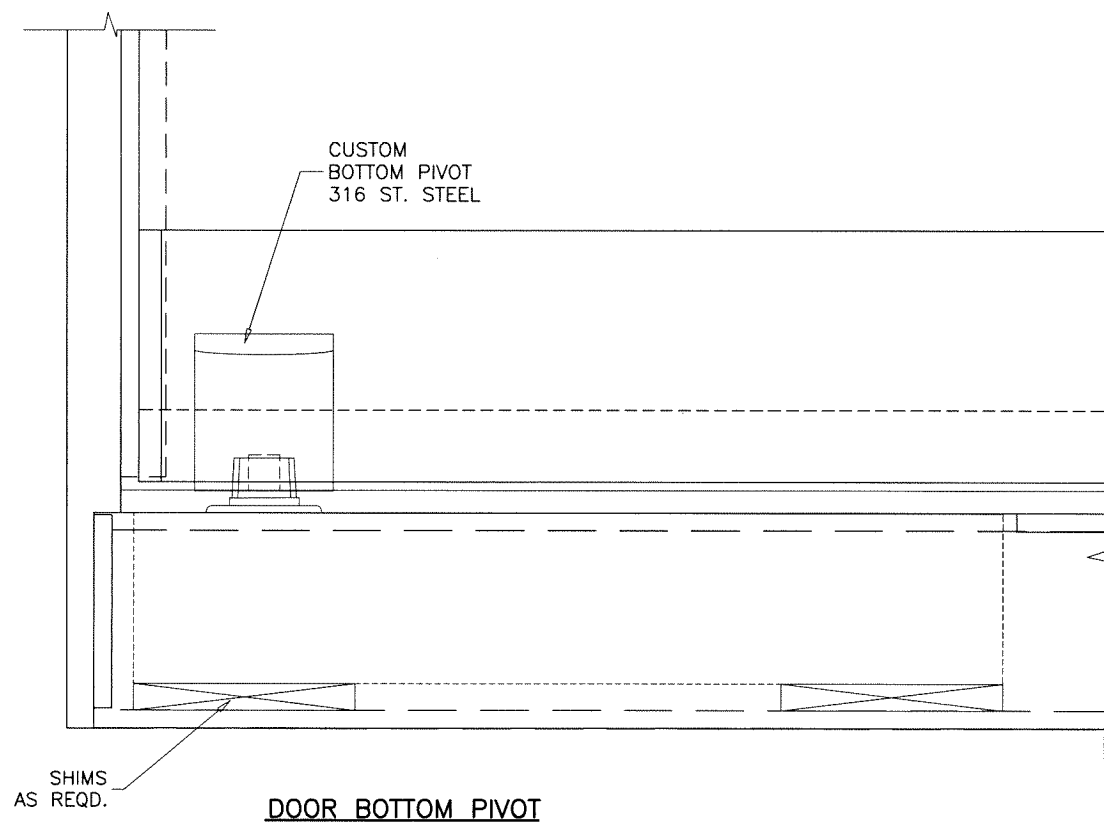
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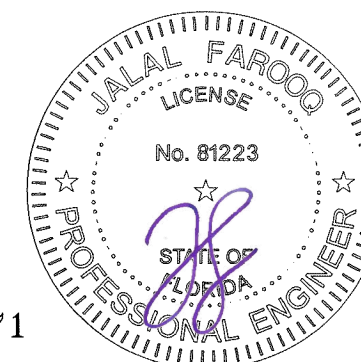
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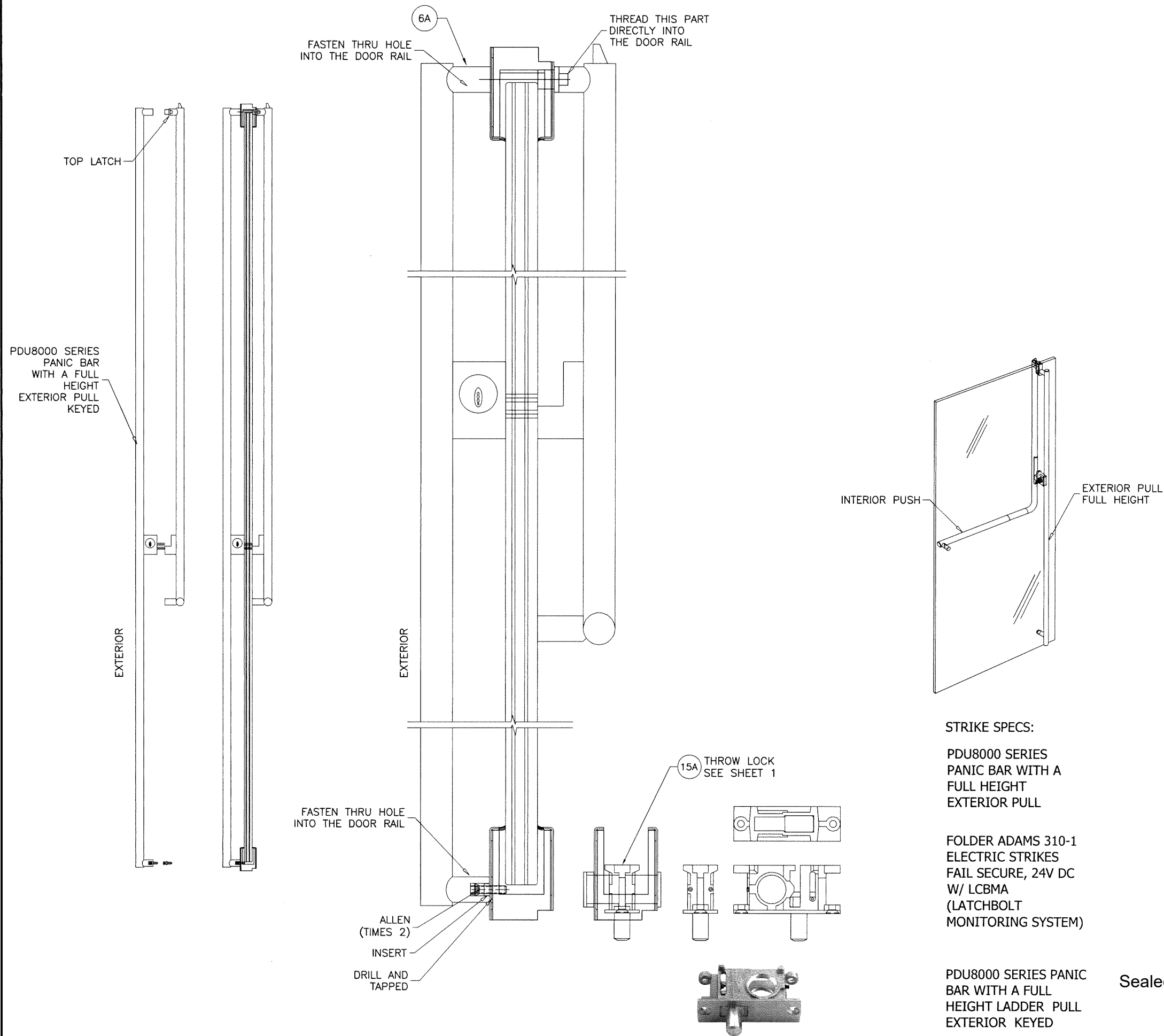
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sheet 6 of 9



FL #25671

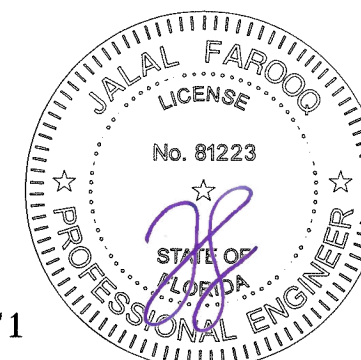


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sheet 7 of 9		dr. by: TARIQ			
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no	date	no	date	no	description

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sheet 8 of 9			

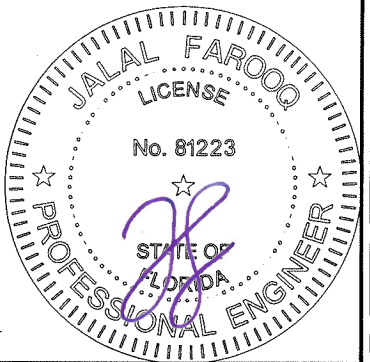
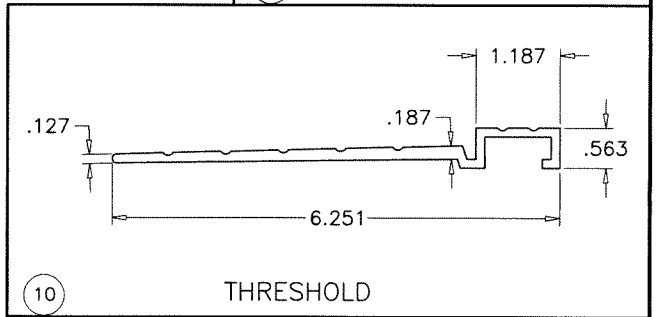
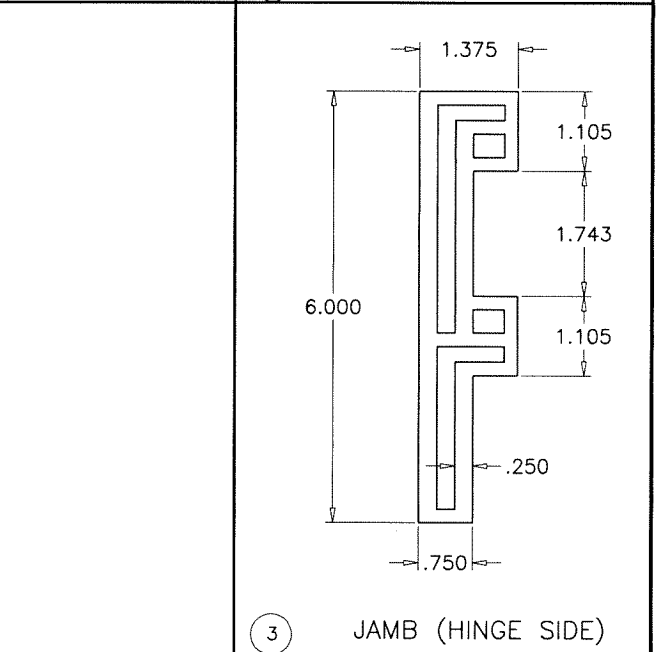
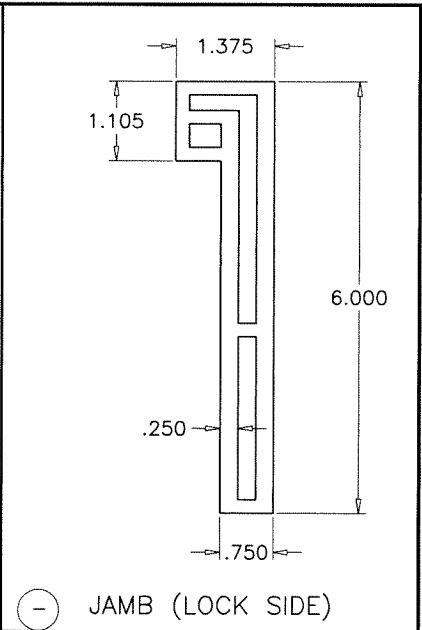
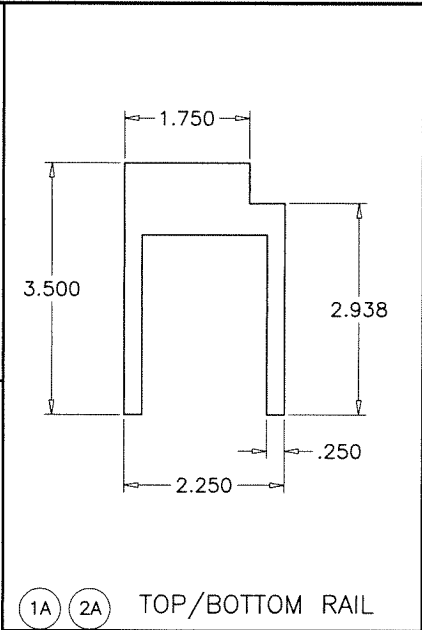
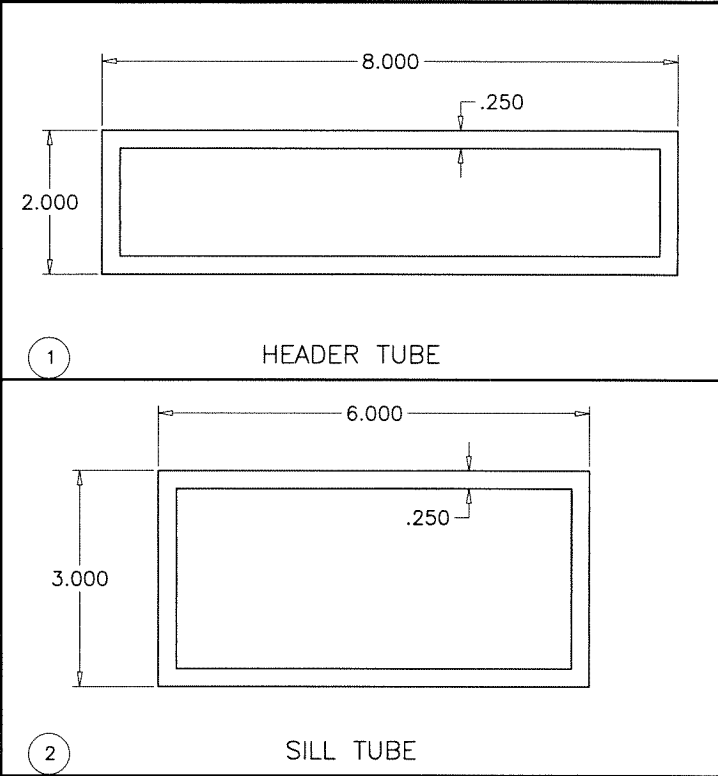
FRAME PARTS LIST			
ITEM	REQD.	PART NUMBER	DESCRIPTION
1	1	20-61-292	HEADER TUBE ¼" X 2" X 8" 6061-T6 EXTRUDED ALUMINUM
2	1	52-61-3007	SILL TUBE ¼" X 3" X 6" 6061-T6 EXTRUDED ALUMINUM
3	2	SDDJ-01	DOOR JAMB ¾" X 1 ⅝" X 6" X 125" 6063-T5 EXTRUDED ALUMINUM F-SHAPE
4	2	SDPB-01	⅜" X 1 ½" X 2 ½" 6061-T6511 ALUMINUM FLATBAR (SUPPORT BRACKET)
5	2	SDHEC-01	¼" X 1 ⅞" X 7 ⅞" 6063-T5 ALUM. (HEADER END CAP)
6	2	SDSEC-01	¼" X 2 ⅞" X 5 ⅞" 6061-T6 ALUM. FLATBAR (SILL END CAP)
7	2	BTS80-4	DORMA BTS80 Series Floor Mounted Closer (SC-4) SIZES 4 SPRING and cement Case plus 1/2" straight spindle (including Hardware)
8	1	SDHDS101	⅝" X 3 ⅝" X 97 13/16" 6061-T6 ALUMINUM FLATBAR (HEADER DOOR STOP)
9	1	SDSDS101	¾" X ⅜" X 97 13/16" 6061-T6 ALUMINUM FLATBAR (SILL DOOR STOP)
10	1	SDTH-01	SLIMPACT EXTRUDED THRESHOLD 6063-T5 ALUMINUM
11	2	H340-326	RIXSON TOP PIVOT W/COVER PLATE
12	2	SDDPK-01	DUSTPROOF KEEPER 316 S/S
13	2	SLIMDR-BR	3" CLOSE CELL BACKER ROD
15	1	ESK-SGL	Folger Adam 310-1 3/4 F 24D 629 LCBMA 310-2-3/4 24D Electric Strike with Latchbolt and Locking Cam Monitor Bright Stainless Steel Finish
16	1	MSK-SGL	Folger Adam 310-1 3/4 F 24D 629 LCBMA 310-2-3/4 24D Manual Strike with Latchbolt
17	1	DOW-995	DOW CORNING 995 SELANT
18	1	PSDHT101.A	⅝" X3" X 19" ALUMINUM PLATE INTERNAL HEADER TUBE PIECE TO ATTACH STRIKE DEVICES

DOOR LEAF PARTS LIST			
ITEM	REQD.	PART NUMBER	DESCRIPTION
1A	2	SDRT-01	TOP DOOR RAIL ¼" X 3 ½" X 2 ¼" 316 S/S LASER-FUSE H-SHAPE
2A	2	SDRB-01	BOTTOM RAIL ¼" X 3 ½" X 2 ¼" 316 S/S LASER-FUSE H-SHAPE
6A	2	PDU8000	DOOR PANIC DEVICE PDU8000 ASSEMBLY 316 S/S W/TOP LATCH
7A	4	SDH-01	⅜" X 1 ¼" X 4" LONG -- SILICONE SETTING BLOCK DUROMETER 85+5 SHORE A
8A	2	SDH-01	TOP PIVOT 316 S/S
9A	2	SDH-01	BOTTOM PIVOT 316 S/S
10A-E	2	SDECT-01	EXTERIOR TOP DOOR RAIL ⅝" END CAP 316 S/S
10A-I	2	SDECT-01	INTERIOR TOP DOOR RAIL ⅝" END CAP 316 S/S
11A	2	SDECT-02	TOP DOOR RAIL ⅜" END CAP 316 S/S
12AE	2	SDECB-01	EXTERIOR BOTTOM DOOR RAIL ⅝" END CAP 316 S/S
12AI	2	SDECB-01	INTERIOR BOTTOM DOOR RAIL ⅝" END CAP 316 S/S
13A	2	SDECB-02	BOTTOM DOOR RAIL ⅜" END CAP 316 S/S
14A	AS NEEDED	N/A	FLOWROCK HYDRAULIC CEMENT
15A	1 PER LEAF	CRL 777SL	Door Rail Long Throw Lock
16A	4	SKD 7P SFIC	SMLL FRMT COREONLY 6-7P A SKD 7P SFIC
17A	4	SFIC-Less Core	Yale keymark SFIC Mortise HSG
18A	4	SDRCL-1	0.060" 316 S/S Door BOTTOM Rail EXT. CLADDING
19A	2	SDRCL-2	0.060" 316 S/S TOP Door Rail INT. CLADDING
20A	2	SDRCL-3	0.060" 316 S/S BOTTOM Door Rail INT.CLADDING

DOOR SEALS PARTS LIST			
ITEM	REQD.	PART NUMBER	DESCRIPTION
1SL	1	PEMKO# PK381BL	¼" BULB SILICON SEAL BY PEMKO (HEADER STOP & TRESHOLD AND JAMB SEAL)
2SL	1	S771X6BL25	⅝" FIN SILICON SEAL BY PEMKO (JAMB SEAL)
3SL	1	309AP	309AP SEAL BY PEMKO 6063-T6 Aluminum Alloy and Temper with Polypropylene Pile

DOOR FRAME ASSEMBLY FASTENERS PARTS LIST			
ITEM	REQD.	PART NUMBER	DESCRIPTION
F01	5	THRESHOLD ANCHOR	12-24 x 3/4" (18-8 S/S) PFH MACHINE SCREW; REFER TO ELEV. FOR LOCATION
F02	16	110170140	5/16-18 x 3/4" (18-8 S/S) COUNTERSUNK FLAT HEAD SCREW (JAMB SCREW)
F03	13	1172710	1/4-20x1" (18-8 S/S) COUNTERSUNK FLAT HEAD SCREW (DOOR STOP SCREW)
F04	12	91771A296	#12-24 x 1 (18-8 S/S) COUNTERSUNK FLAT HEAD SCREW (TOP PIVOT/STRIKE DEVICE)
F05	8	6X58FHPSMS	1/4-20 x 5/8 (18-8 S/S) COUNTERSUNK FLAT HEAD SCREW (INTERNAL HEADER PLATE)

DOOR RAIL END CAP FASTENERS PARTS LIST			
ITEM	REQD.	PART NUMBER	DESCRIPTION
F06	8	RAIL END CAP FASTNERS	# 6-32 x 1/2" (18-8 S/S) COUNTERSUNK FLAT HEAD SCREW (RAIL END CAP)
F07	8	RAIL END CAP FASTNERS	# 6-32 x 3/8" (18-8 S/S) COUNTERSUNK FLAT HEAD SCREW (RAIL END CAP)



SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
DOW CORNING 795 SEALANT.

Sealed: 8/21/2023

FL #25671

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
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SLIMPACT (PANIC) OUTSWING GLASS DOOR (L.M.I.)

Faour Glass Technologies
5119 West Knox Street
Tampa, FL 33634
Tel. (813) 884-3297
WWW.fourglass.com

revisions:
no date by description

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dr. by: TARIQ
chk. by:

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21-74F
sheet 9 of 9