

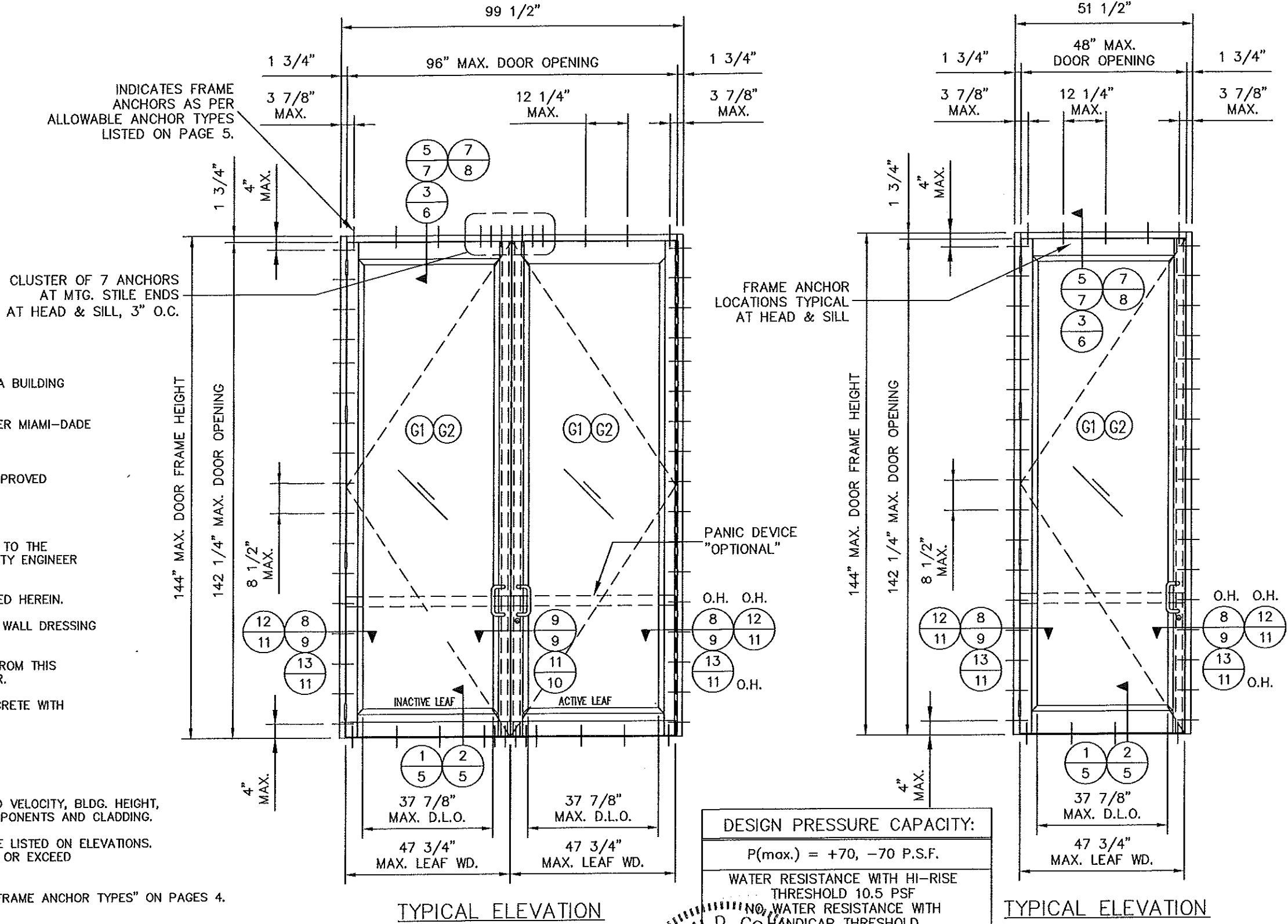
SERIES "SUMMIT + ALUMINUM OUT SWING DOORS

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC 2017) 6th EDITION (HVHZ).
2. DOOR SYSTEM HAS BEEN TESTED FOR LARGE MISSILE IMPACT AS PER MIAMI-DADE COUNTY PROTOCOLS (TAS 201, 202 & 203) HURRICANE WIND-BORNE DEBRIS PROTECTION IS NOT REQUIRED.
3. THIS SYSTEM MAY BE USED IN CONJUNCTION WITH TESTED AND APPROVED STOREFRONT/WINDOW WALL SYSTEM.
4. CODE REQUIREMENTS FOR EGRESS MUST BE OBSERVED.
5. WOOD BUCKS ARE BY OTHERS AND MUST BE ANCHORED PROPERLY TO THE STRUCTURE. BUCKS AND BUCKING SHALL BE DESIGNED BY SPECIALTY ENGINEER OR E.O.R.
6. ANCHORS SHALL BE AS LISTED IN CHARTS AND SPACED AS DETAILED HEREIN.
7. FRAME ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO AS PER ANCHOR ANCHOR TYPE CHART ON PAGE 4.
8. ANY SUBSTRATES, BUCKING OR ANCHOR CONDITIONS WHICH VARY FROM THIS APPROVAL SHALL BE QUALIFIED BY A SPECIALTY ENGINEER OR E.O.R.
9. ALL ALUMINUM FRAMES SHALL BE ISOLATED FROM STEEL AND CONCRETE WITH HIGH STRENGTH STRUCTURAL PLASTIC SHIMS OR AS PER FBC.

INSTRUCTIONS:

- STEP 1 - DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARDS FOR COMPONENTS AND CLADDING.
- STEP 2 - CHECK DESIGN PRESSURE CAPACITY FOR DESIRED DOOR SIZE LISTED ON ELEVATIONS. THE DESIGN PRESSURE ON THE DOOR SHOULD BE EQUAL TO OR EXCEED THE PROJECT DESIGN PRESSURE.
- STEP 3 - SELECT ANCHOR OPTION(S) BASED ON SUBSTRATES FROM "FRAME ANCHOR TYPES" ON PAGES 4.



DESIGN PRESSURE CAPACITY:
P(max.) = +70, -70 P.S.F.
WATER RESISTANCE WITH HI-RISE THRESHOLD 10.5 PSF
NO WATER RESISTANCE WITH HANDICAP THRESHOLD

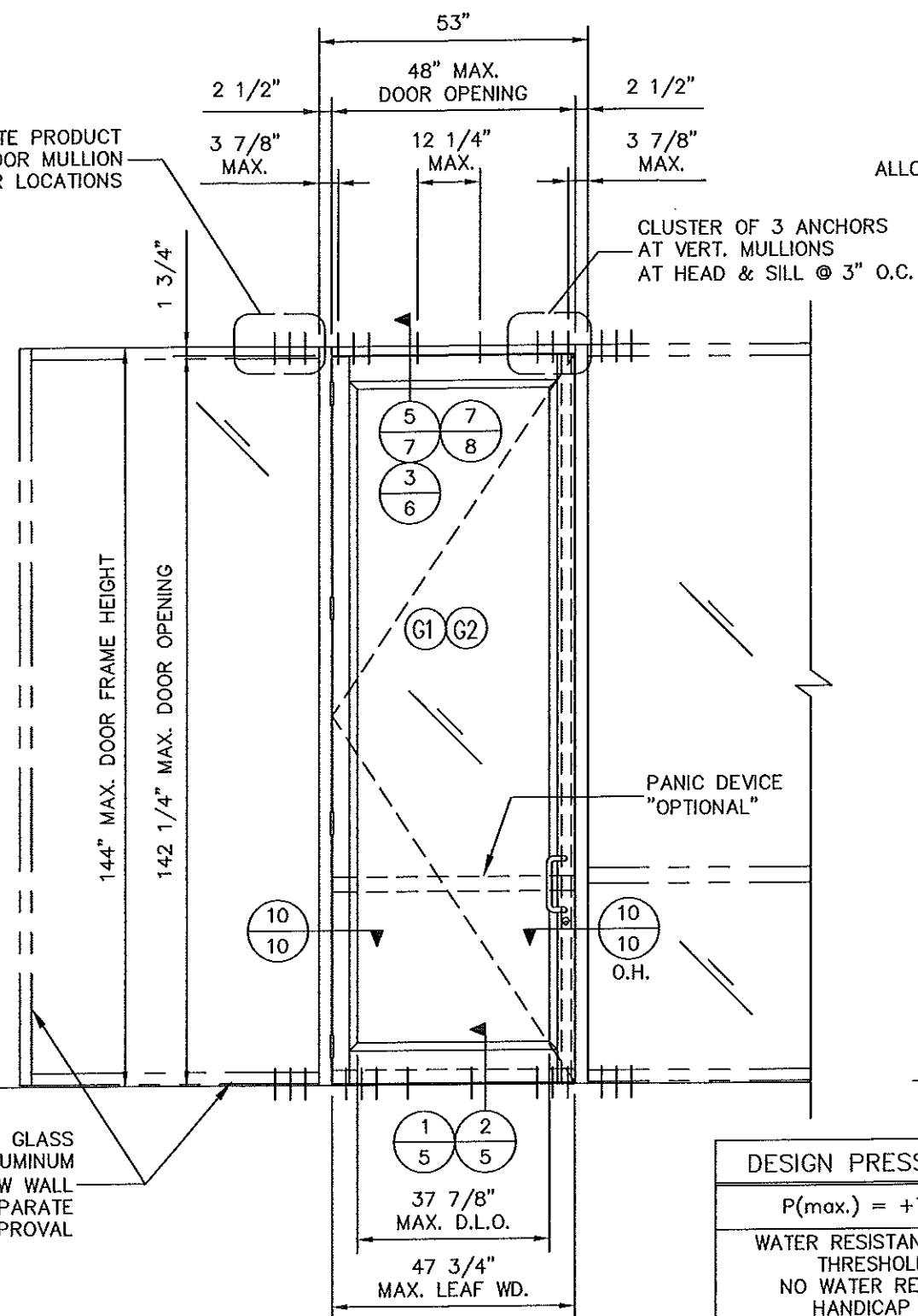
PRODUCT NAME: SUMMIT+ ALUMINUM OUTSWING DOOR SYSTEM - LMI		
DRAWING NUMBER: SUMMIT+OS.LMI	DRAW BY: M.G.	PRODUCT APPROVAL NO.: FL27984.1
SHT. 1 OF 16	SCALE: 3/8"=1'-0"	DATE: 08/17/18

ALDORA
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REFER TO SEPARATE PRODUCT
APPROVAL FOR DOOR MULLION
ANCHOR LOCATIONS



TYPICAL ELEVATION

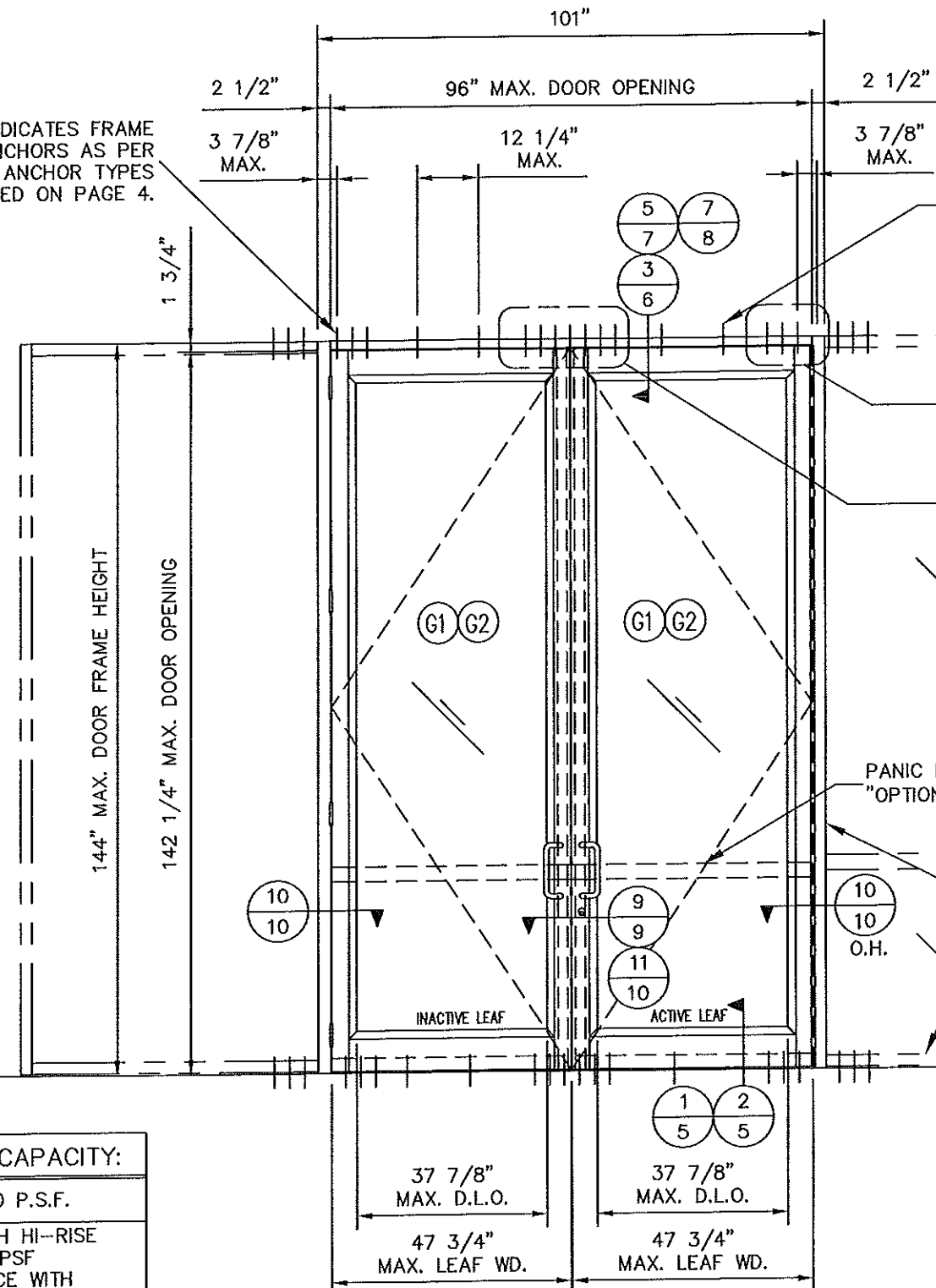
ALDORA ALUMINUM & GLASS
PRODUCTS ALUMINUM
STOREFRONT/ WINDOW WALL
SYSTEM AS PER SEPARATE
PRODUCT APPROVAL

DESIGN PRESSURE CAPACITY:

$P(\text{max.}) = +70, -70 \text{ P.S.F.}$

WATER RESISTANCE WITH HI-RISE
THRESHOLD 10.5 PSF
NO WATER RESISTANCE WITH
HANDICAP THRESHOLD

INDICATES FRAME
ANCHORS AS PER
ALLOWABLE ANCHOR TYPES
LISTED ON PAGE 4.



TYPICAL ELEVATION

FRAME ANCHOR
LOCATIONS TYPICAL
AT HEAD & SILL.

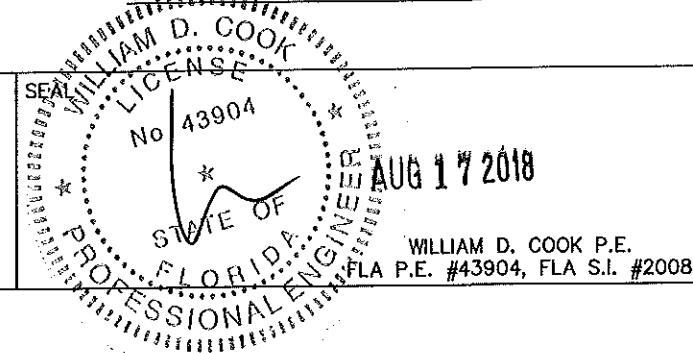
CLUSTER OF 4 ANCHORS
AT VERT. MULLIONS
AT HEAD & SILL @ 3" O.C.

CLUSTER OF 7 ANCHORS
AT MTG. STILE ENDS
AT HEAD & SILL, 3" O.C.

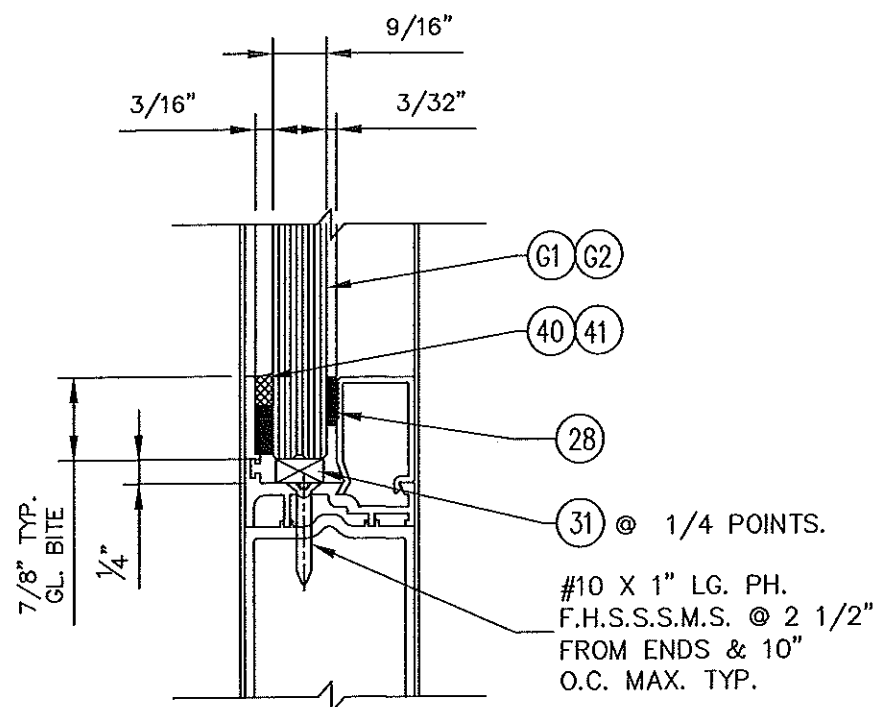
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A GLAZING DETAIL
4 AT BOTTOM RAIL
(TOP RAIL & VERTICAL STILES
SIMILAR)

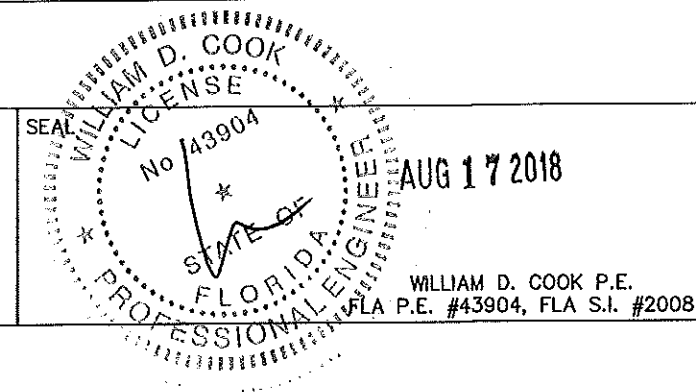
GLASS TYPES		
MARK	TYPE	MAKE UP/DESCRIPTION
G1	9/16" LAMINATED	1/4" HEAT STRENGTHENED - .090" SENTRYGLAS PLUS INTERLAYER - 1/4" HEAT STRENGTHENED SENTRYGLAS PLUS INTERLAYER BY "KURARAY AMERICA, INC."
G2	9/16" LAMINATED	1/4" HEAT STRENGTHENED - .077" VANCEVA STORM INTERLAYER W/PET CORE - 1/4" HEAT STRENGTHENED VANCEVA STORM INTERLAYER BY "EASTMAN CHEMICAL CO."

DOOR LOCK OPTIONS
REGENT SERIES 2002 3-POINT HOOK BOLT MORTISE LOCK (ACTIVE LEAF) WITH KEY CYLINDER (EXTERIOR) AND THUMB TURN (INTERIOR) FOR SINGLE AND DOUBLE DOORS
REGENT PART #2-PT-L 2-POINT THROW BOLT LOCK (INACTIVE LEAF) WITH THUMB TURN (INTERIOR) DOUBLE DOORS ONLY
SARGENT SERIES AD8400 & NB-AD8400 CONCEALED VERTICAL ROD PANIC DEVICE (ACTIVE & INACTIVE LEAF) WITH KEY CYLINDER (EXTERIOR)

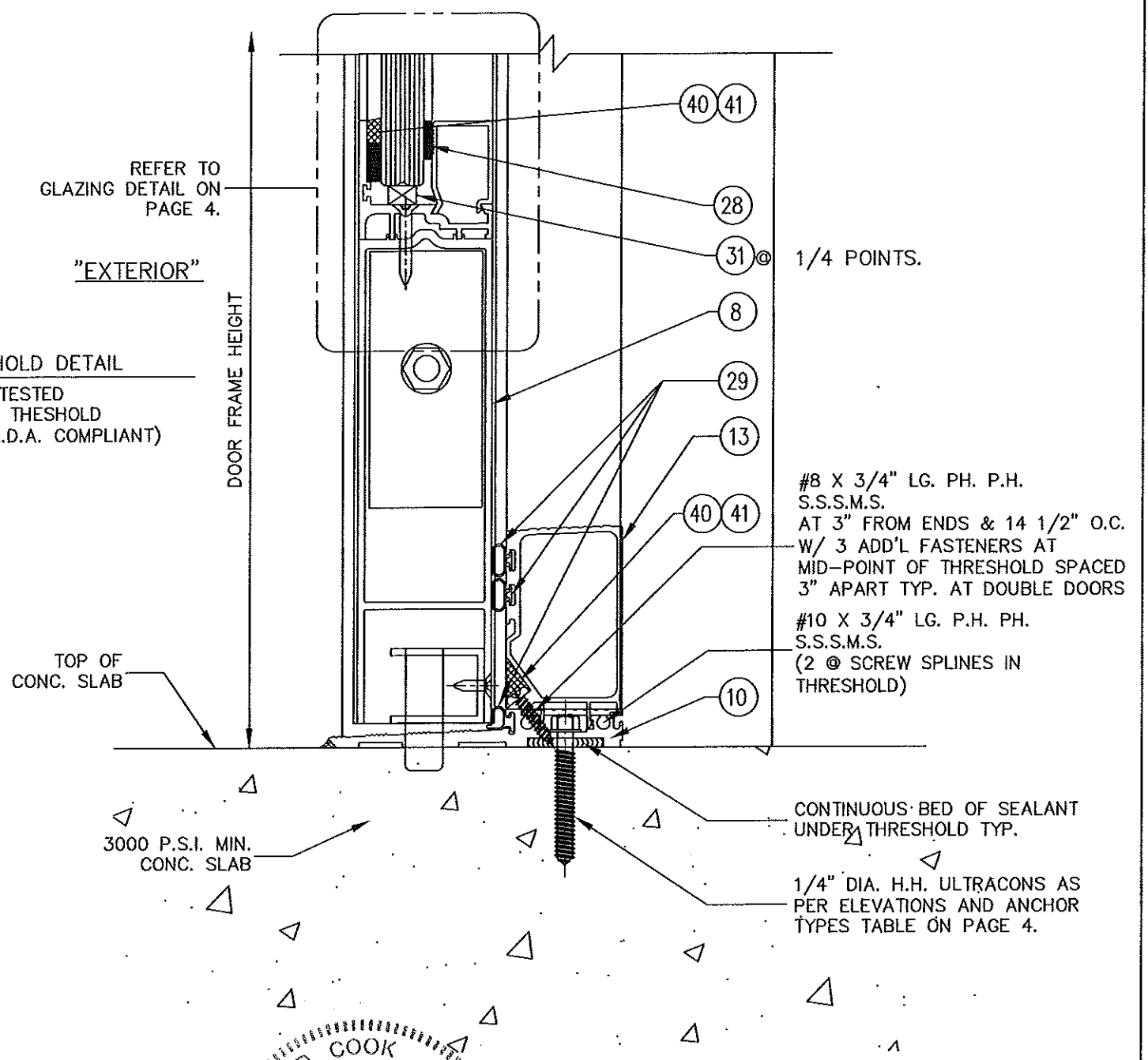
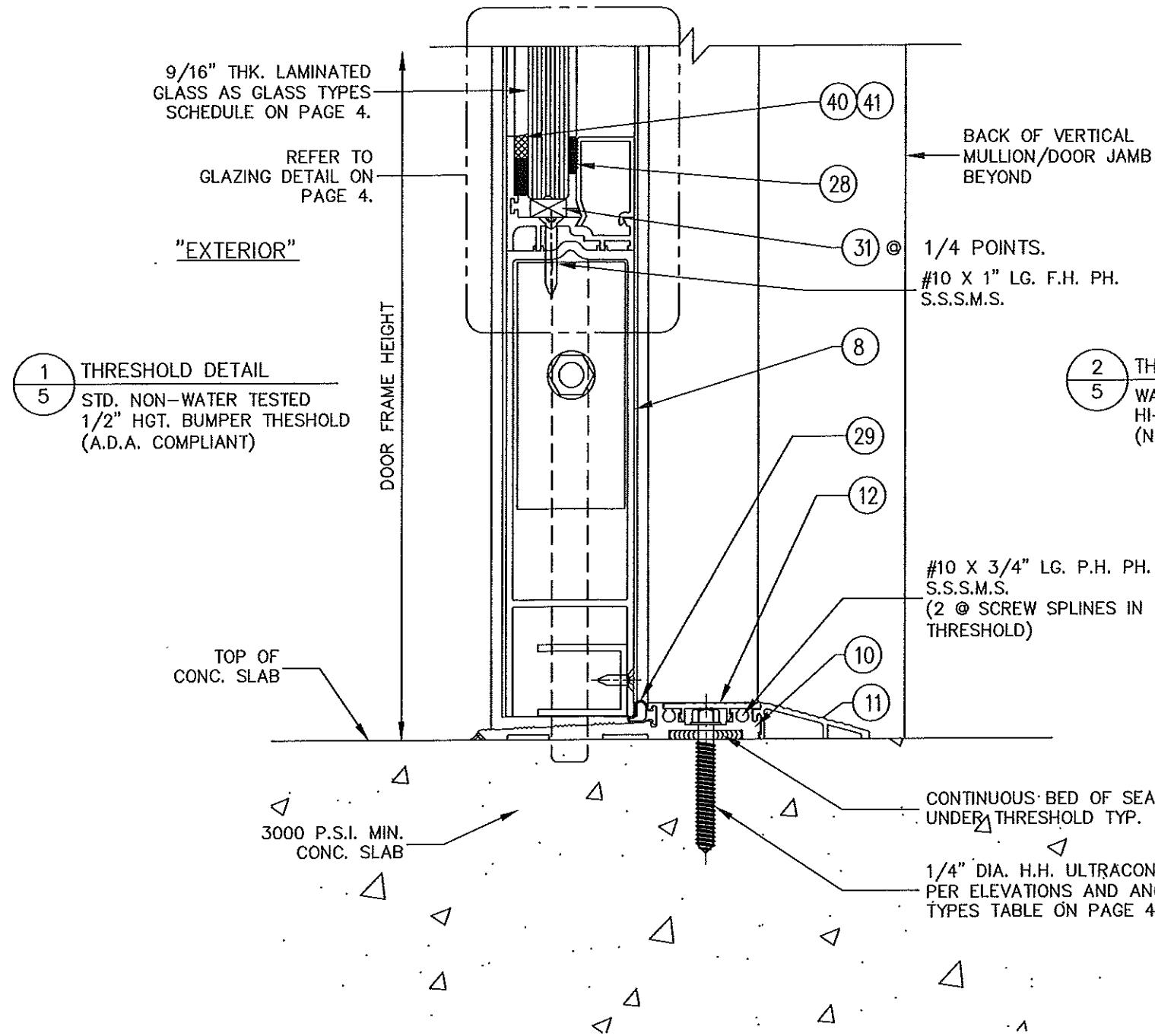
FRAME ANCHOR TYPES:
1. 1/4" DIA. H.H. ULTRACONS OR EQUAL INTO 3000 P.S.I. MIN. GROUT FILLED C.M.U. WITH 1 1/2" MIN. EMBED. MIN. EDGE DISTANCE = 2 1/2"
2. 1/4" DIA. H.H. ULTRACONS OR EQUAL INTO 3000 P.S.I. POURED CONC. WITH 1 1/2" MIN. EMBED. MIN. EDGE DISTANCE = 2 1/2"
3. 1/4" DIA. H.H. ULTRACONS OR EQUAL THRU 3/4" NOMINAL THICKNESS WOOD BUCK WITH 1 1/2" MIN. EMBED. INTO CONC. MIN. EDGE DISTANCE = 2 1/2"
4. 1/4" DIA. H.H. ULTRACONS OR EQUAL INTO 1 1/2" NOMINAL THICKNESS (2 X 6) WOOD BUCK WITH 1 3/4" MIN. EMBED INTO STRUCTURAL WOOD FRAMING. (MIN. SPECIFIC GRAVITY = 0.55) MIN. EDGE DISTANCE = 1 1/4"
5. #14 X 1 1/4" H.H. SELF THREADING SCREWS (ELCO "DRILL-FLEX" OR "TEKS") INTO STEEL OR ALUMINUM FRAMING (STEEL: A36 MIN. YIELD STRENGTH - 1/8" MIN. THICKNESS) (ALUMINUM: 6063-T5 MIN. ALLOY/TEMPER) FASTENERS MUST PENETRATE THRU METAL SUBSTRATE A MINIMUM OF 1/4"

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SHT. 4 OF 16	SCALE: 6"=1'-0"	DATE: 08/17/18


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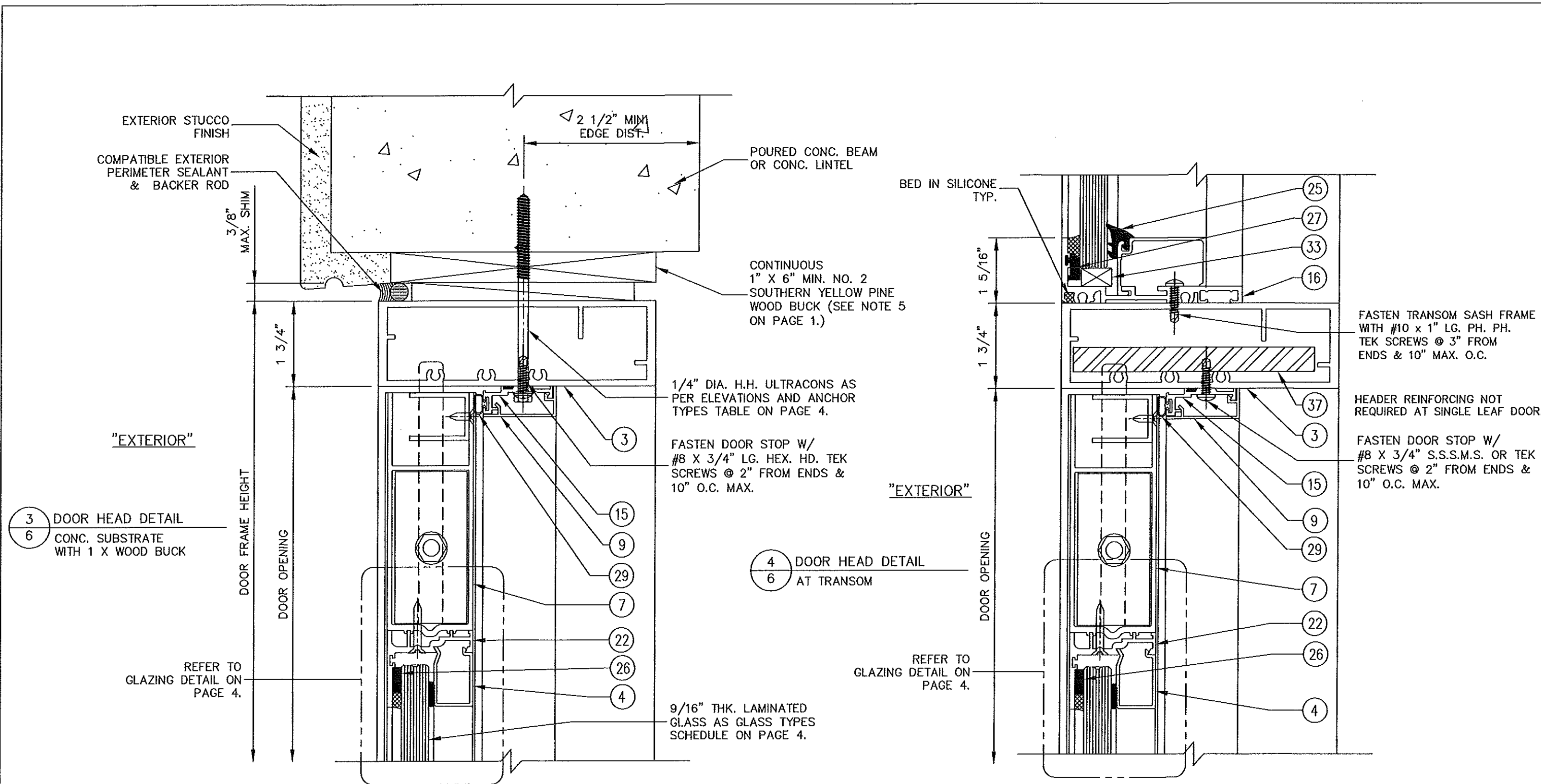


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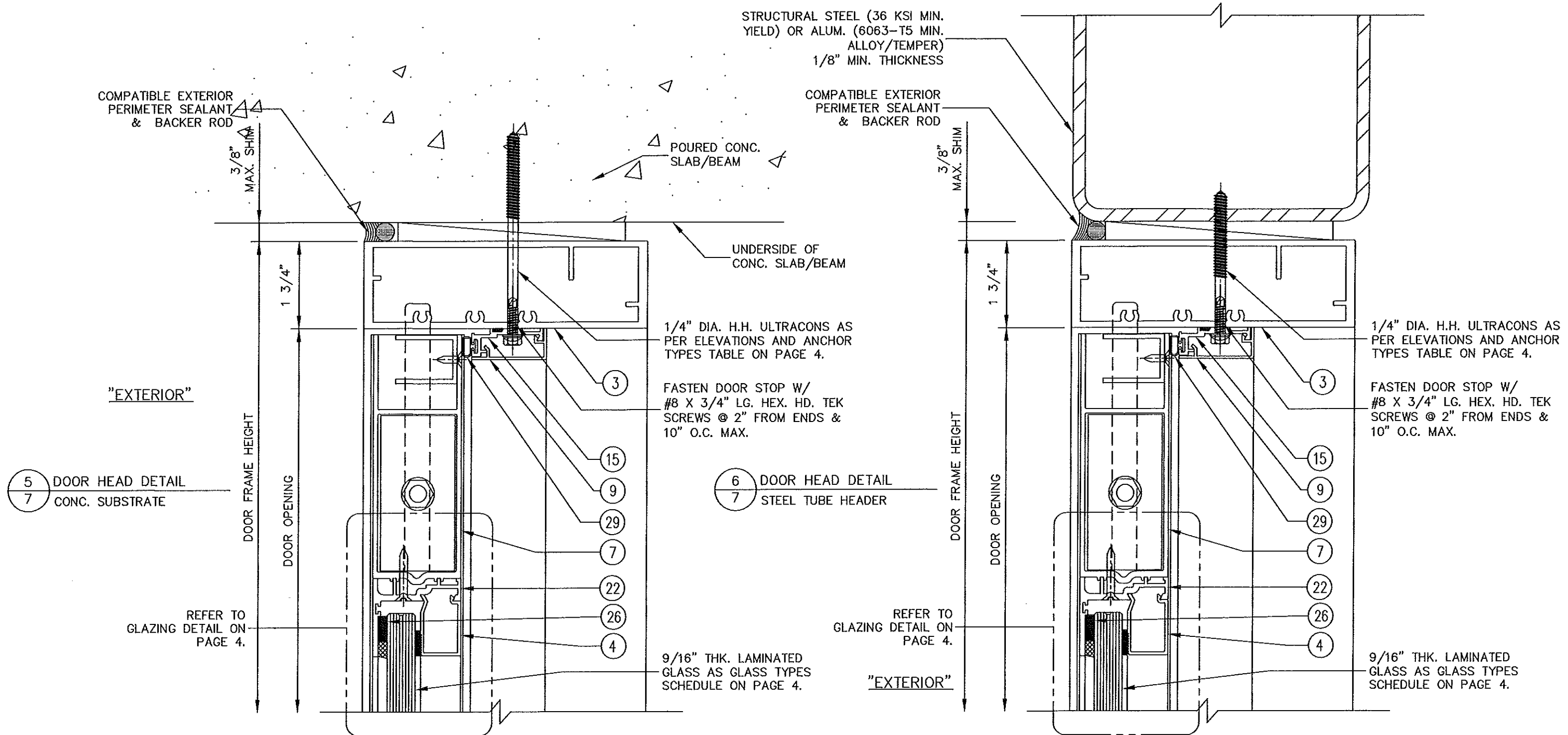


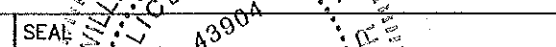
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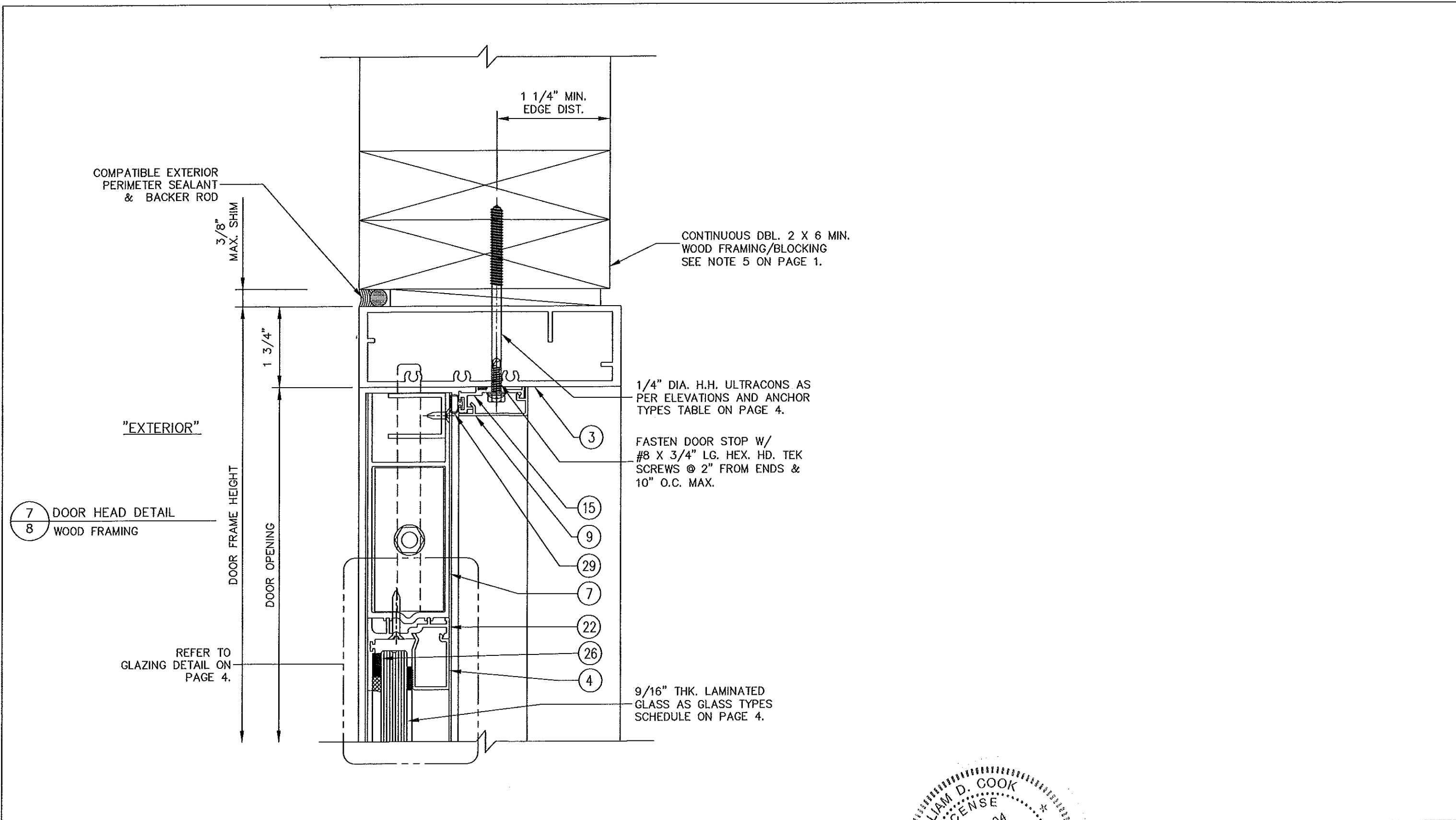

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PRODUCT NAME: SUMIT+ ALUMINUM OUTSWING DOOR SYSTEM – LMI			 ALDORA ALUMINUM AND GLASS PRODUCTS, INC. 11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL. 33025 PHONE: (954) 784-6900 FAX: (954) 784-6901		BROMLEY-COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD AVENUE SUITE 100 FORT LAUDERDALE, FLORIDA 33309 TEL: (954) 772-4624 FAX: (954) 772-4634 CERT. OF AUTH. #00009124
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SHT. <u>7</u> OF <u>16</u>	SCALE: 6"=1'-0"	DATE: 08/17/18			



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CONTINUOUS
1" X 4" MIN. NO. 2
SOUTHERN YELLOW PINE
WOOD BUCK
(SEE NOTE 5 ON PAGE 1.)

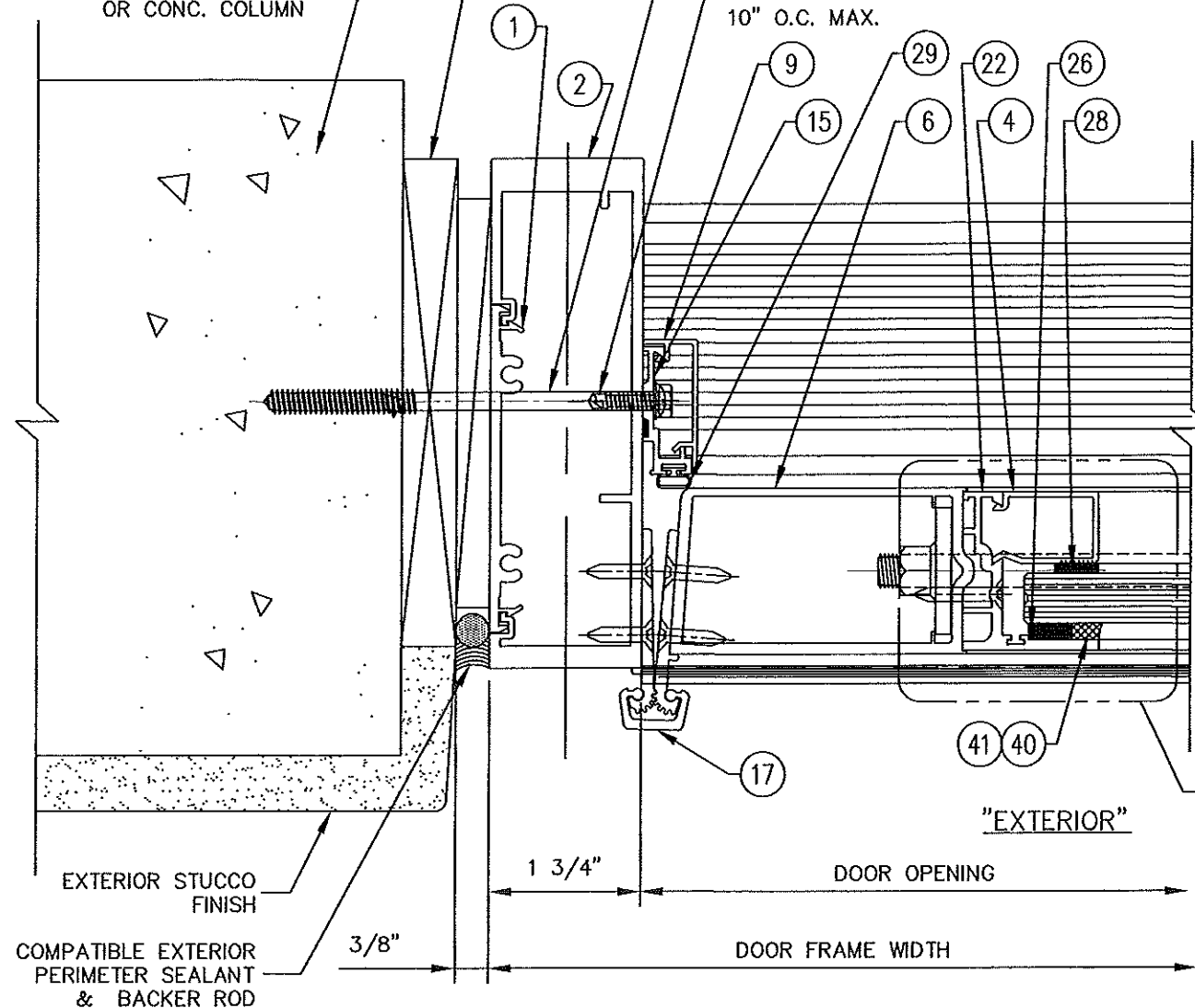
8" CONC. BLOCK WALL
WITH GROUT FILLED CELL OR
OR CONC. COLUMN

1/4" DIA. H.H. ULTRACONS AS
PER ELEVATIONS AND ANCHOR
TYPES TABLE ON PAGE 4.

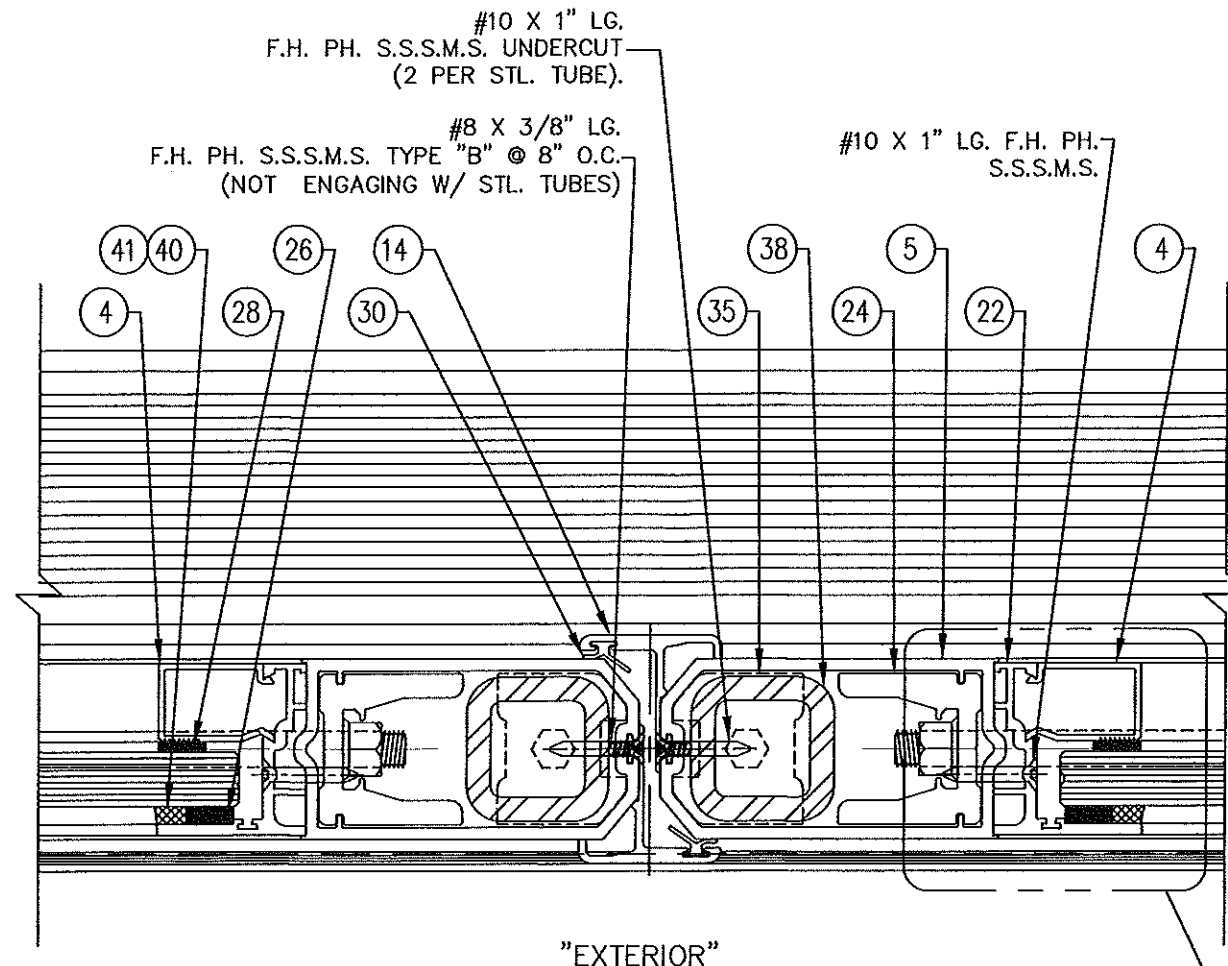
FASTEN DOOR STOP W/
#8 X 3/4" LG. HEX. HD. TEK
SCREWS @ 2" FROM ENDS &
10" O.C. MAX.

#10 X 1" LG.
F.H. PH. S.S.S.M.S. UNDERCUT
(2 PER STL. TUBE).
#8 X 3/8" LG.
F.H. PH. S.S.S.M.S. TYPE "B" @ 8" O.C.
(NOT ENGAGING W/ STL. TUBES)

#10 X 1" LG. F.H. PH.
S.S.S.M.S.



REFER TO
GLAZING DETAIL ON
PAGE 4.



REFER TO
GLAZING DETAIL ON
PAGE 4.

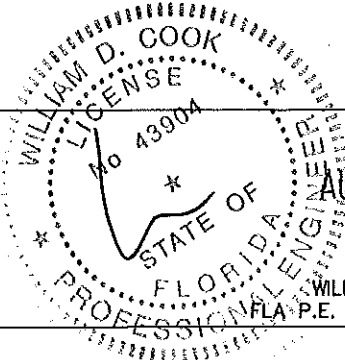
8 DOOR JAMB DETAIL
9 CONC. SUBSTRATE
WITH 1 X WOOD BUCK

9 DOOR MEEETING STILES
9 WITH WATER RESISTANT
WEATHER STRIPPING/ASTRAGAL

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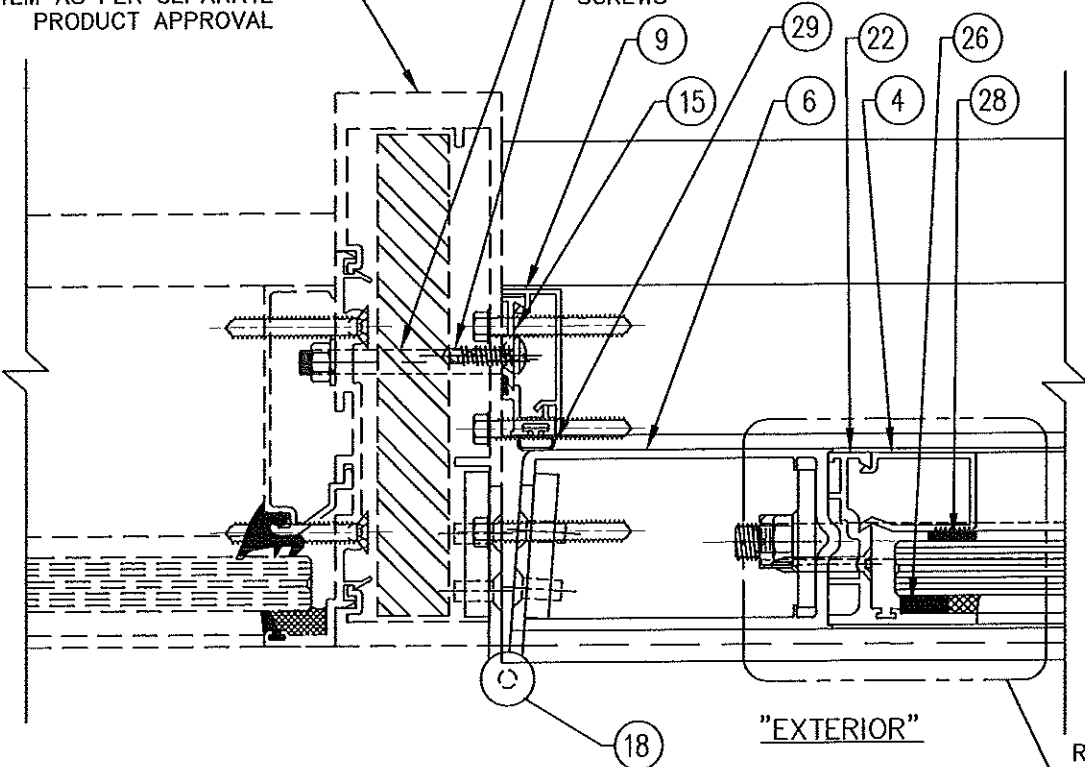
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ALDORA ALUMINUM & GLASS
PRODUCTS ALUMINUM
STOREFRONT/ WINDOW WALL
SYSTEM AS PER SEPARATE
PRODUCT APPROVAL

(3) 1/4" - 20 X 2 1/4" LG. FT. HD.
PH. BOLTS ST/ST W/NUT &
WASHER AT 4" FROM ENDS & MID
SPAN
#8 X 3/4" LG. HEX. HD. TEKS
SCREWS



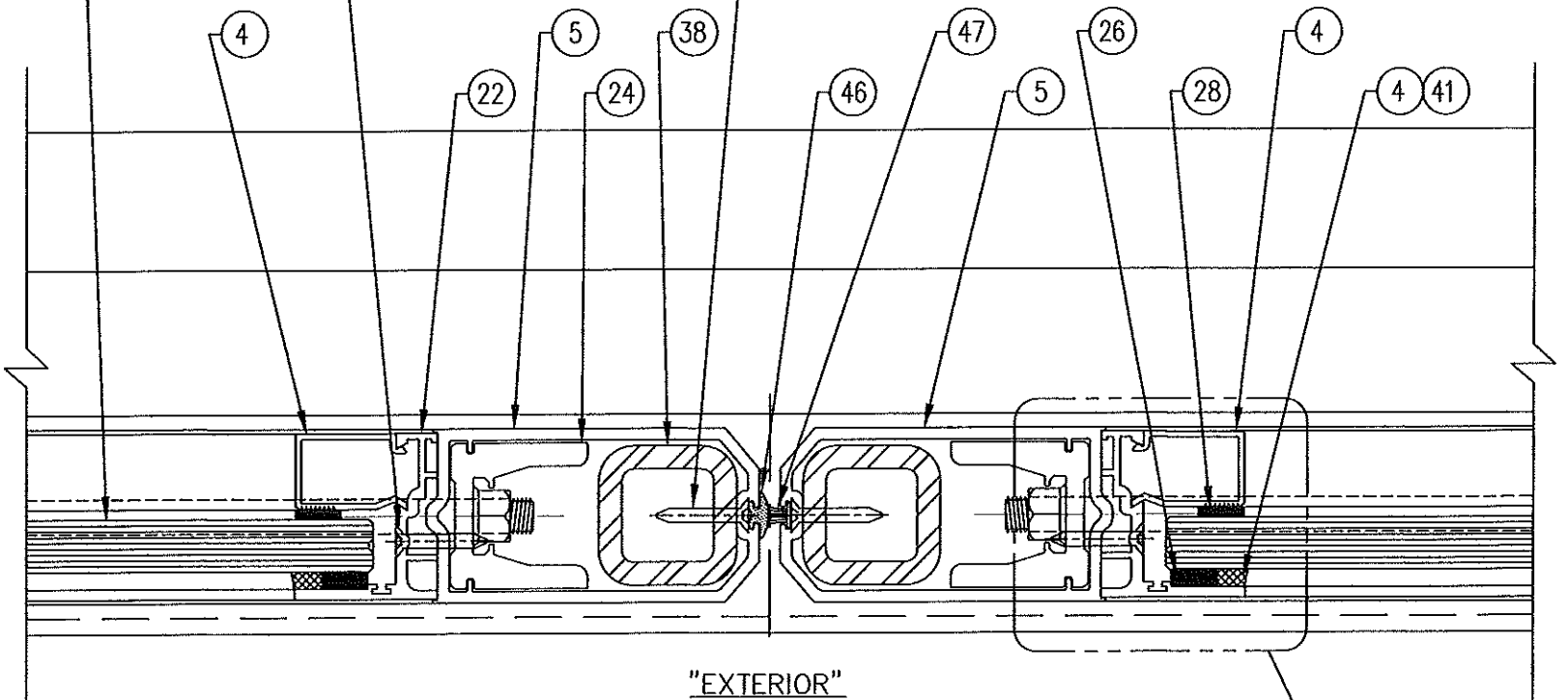
10 DOOR JAMB DETAIL
10 AT INTERMEDIATE VERTICAL
MULLION

REFER TO
GLAZING DETAIL ON
PAGE 4.

9/16" THK. LAMINATED GLASS
(REFER TO THE CHART FOR SPECS)

#10 X 1" LG. FT. HD. PH.
SMS. ST/ST.

#10 X 1" LG.
FT. HD. PH. SMS. ST/ST.
UNDERCUT
(2 PER STL. TUBE).



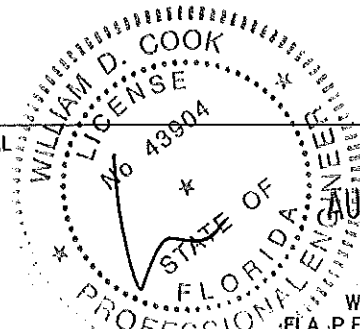
11 DOOR MEETING STILES
10 NON-WATER RESISTANT
WEATHER STRIPPING

REFER TO
GLAZING DETAIL ON
PAGE 4.

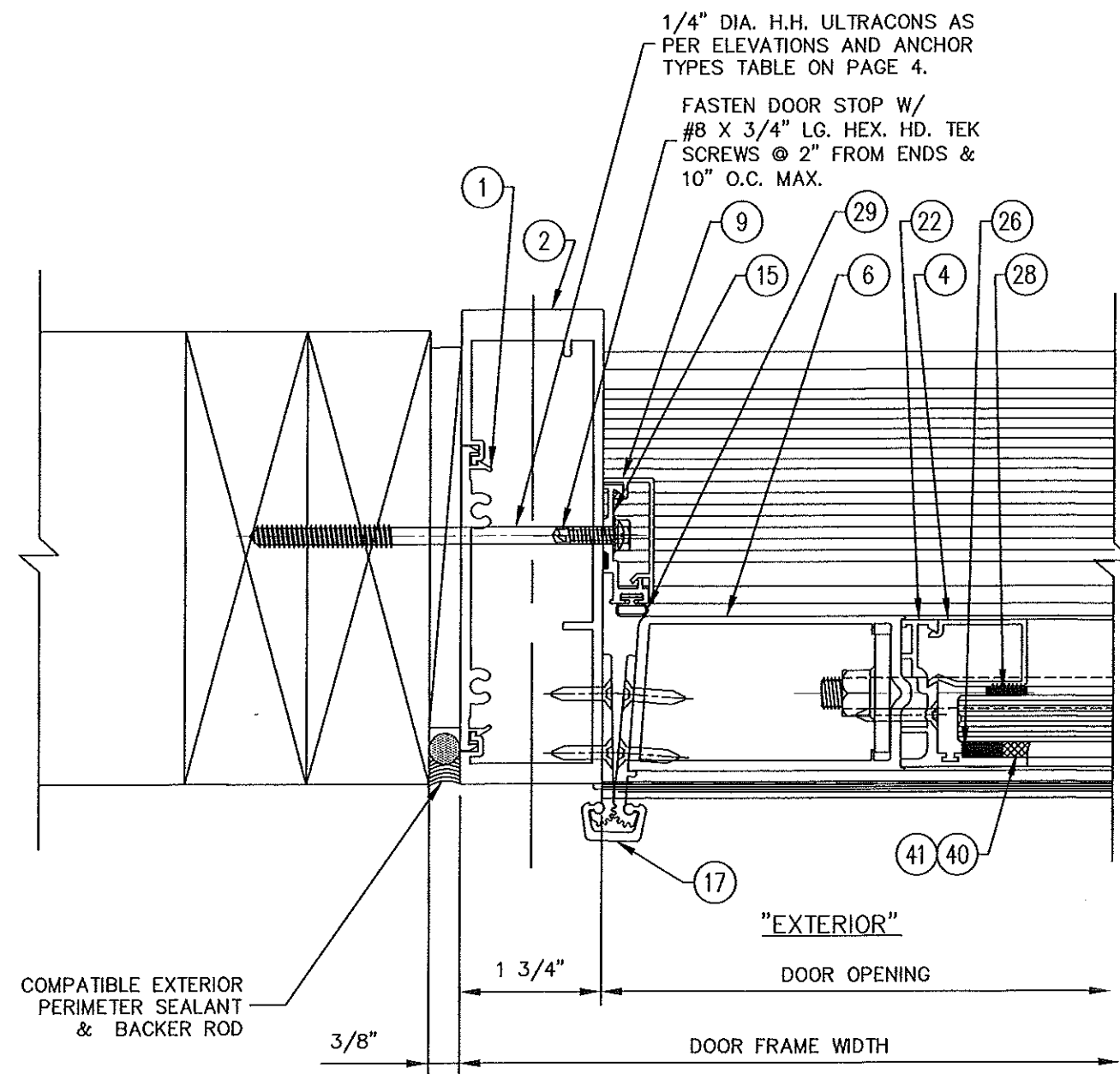
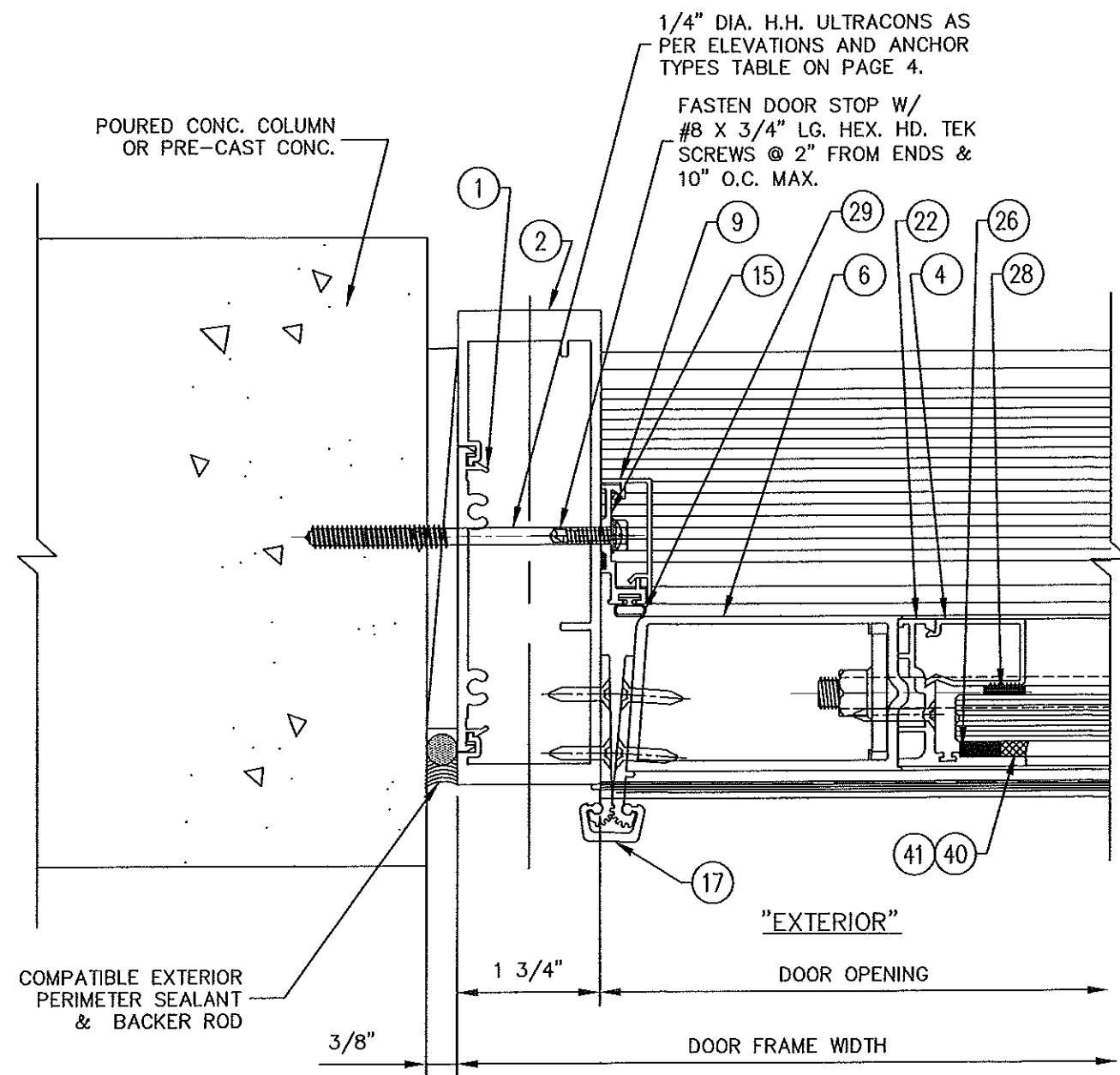
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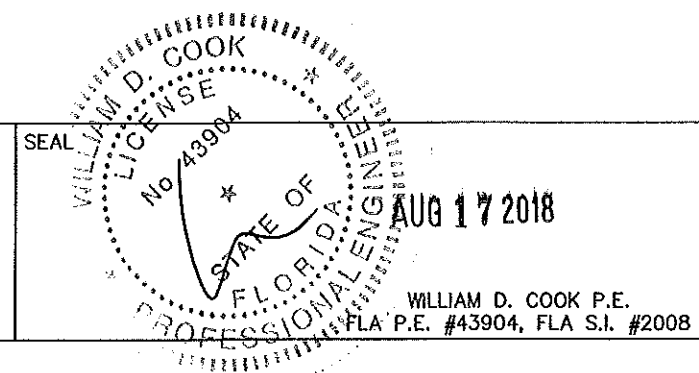

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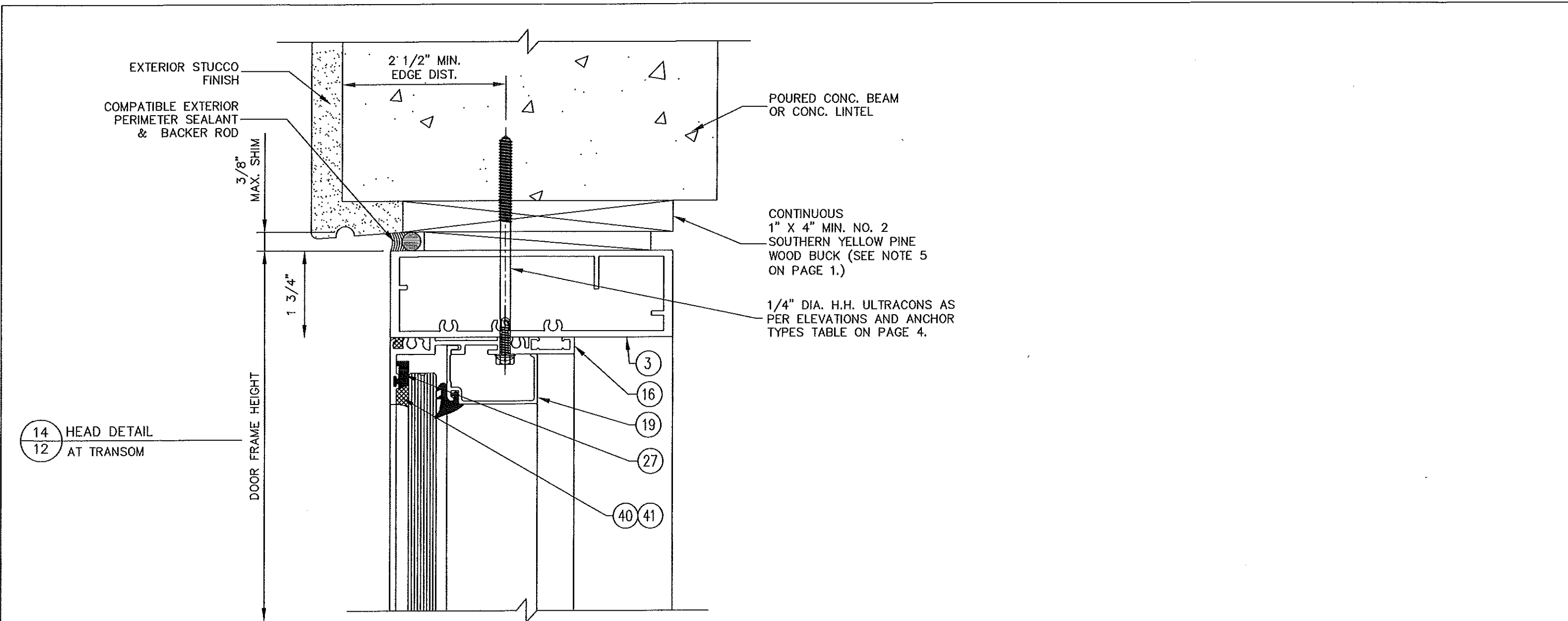


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14 HEAD DETAIL
12 AT TRANSOM

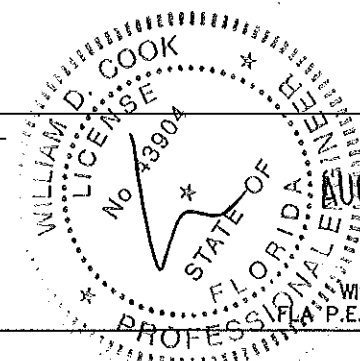
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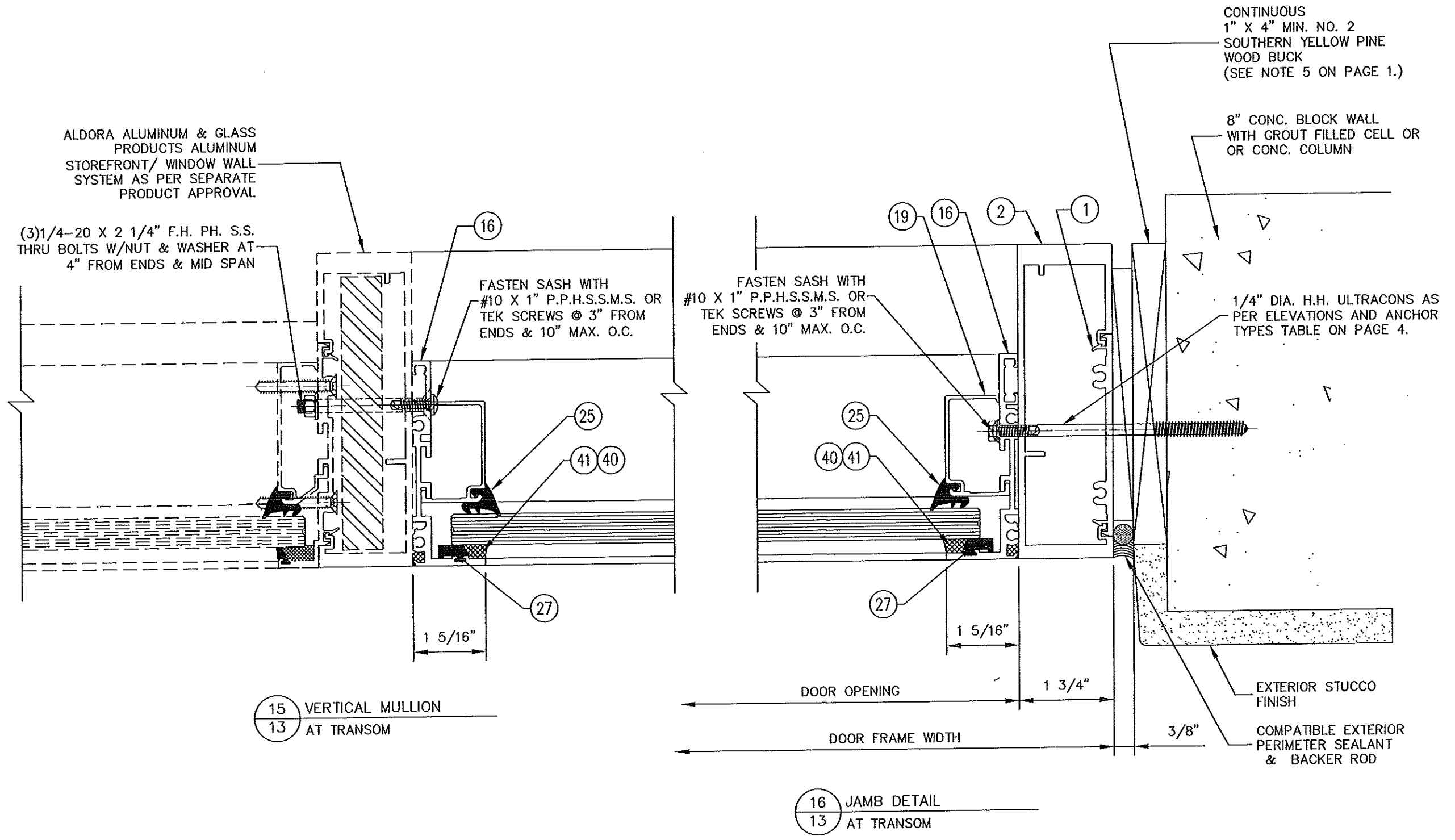
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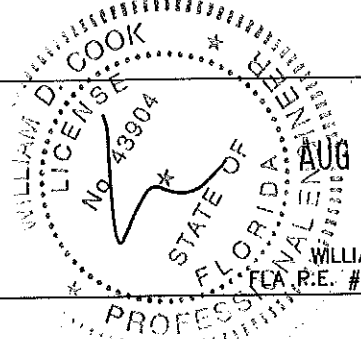
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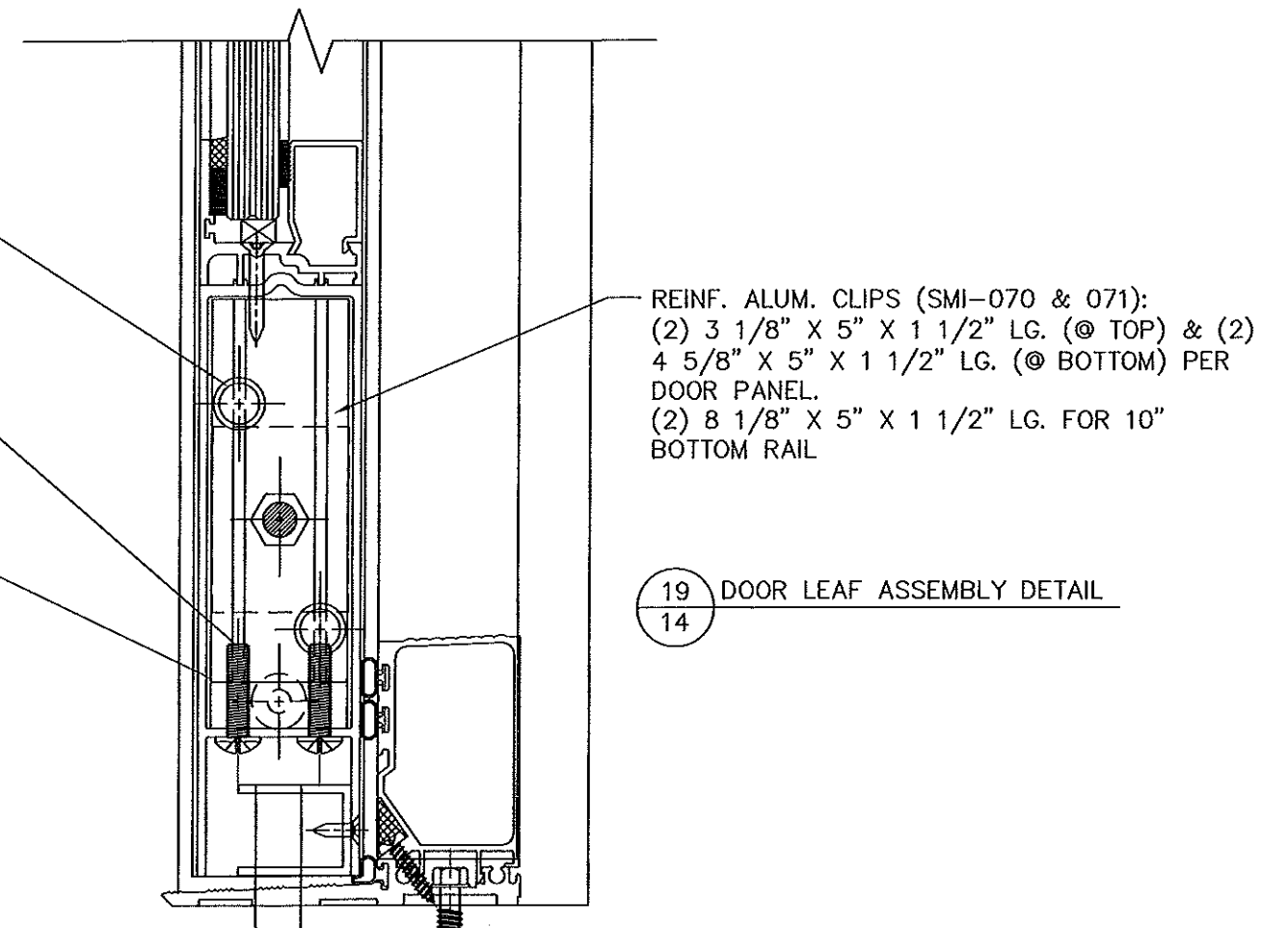
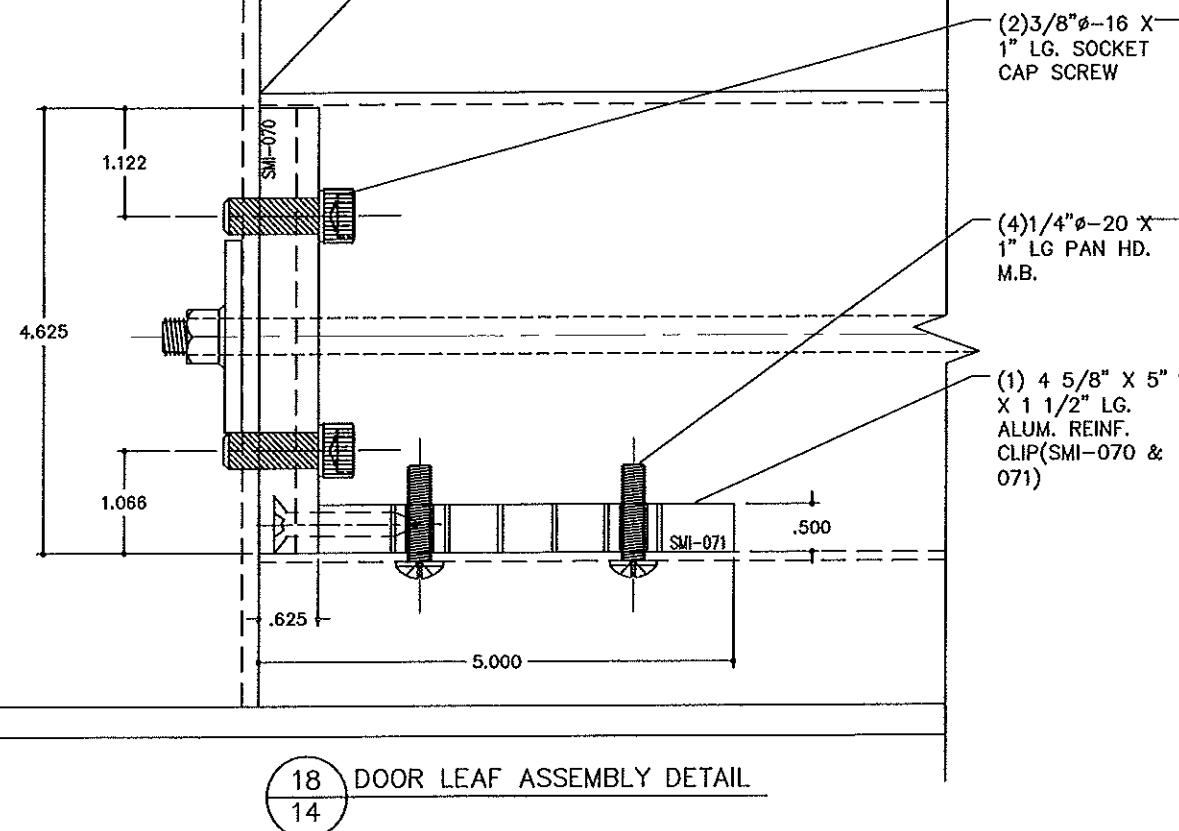
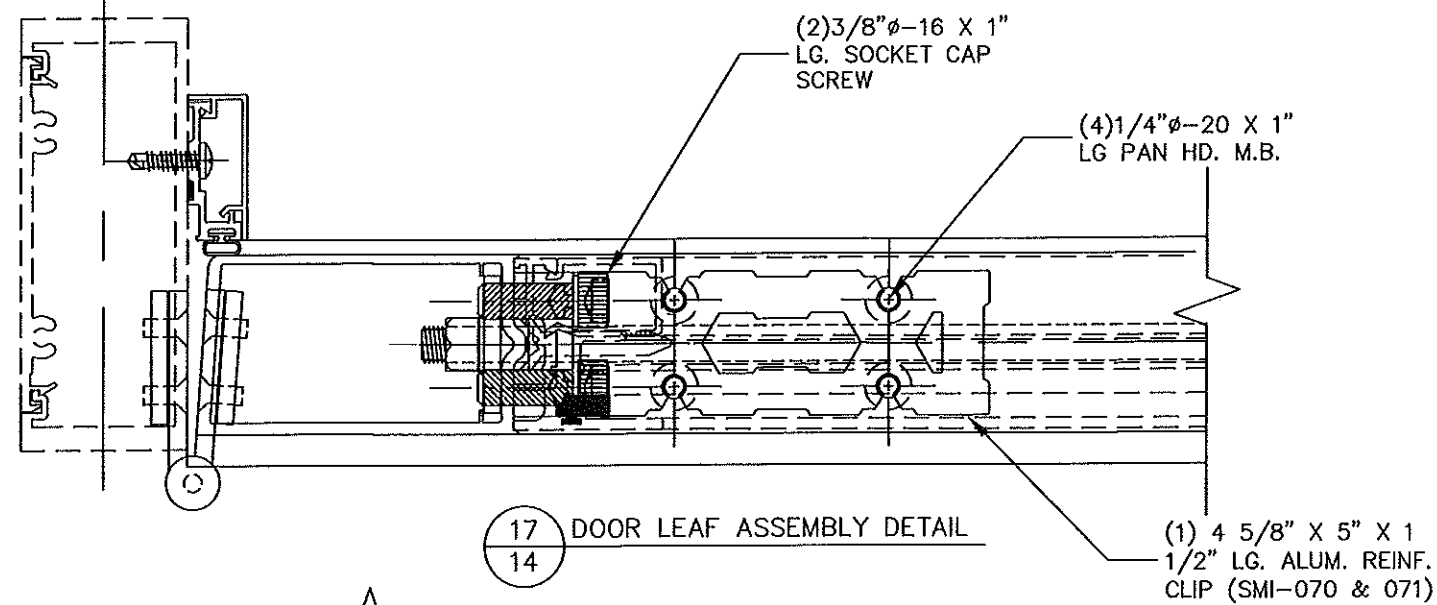
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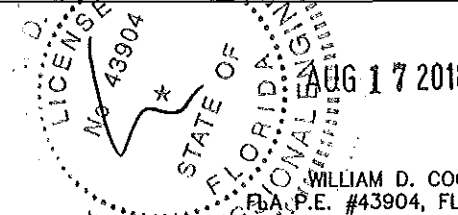
BROMLEY•COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD AVENUE SUITE 100
 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634
 CERT. OF AUTH. #00009124



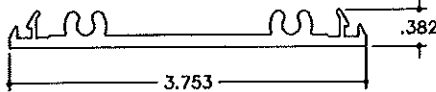
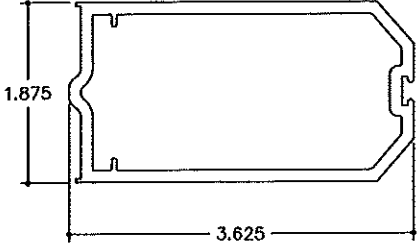
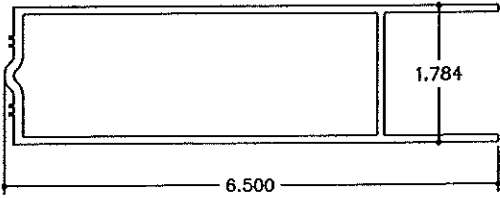
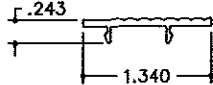
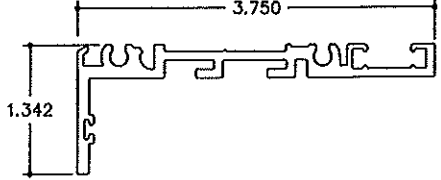
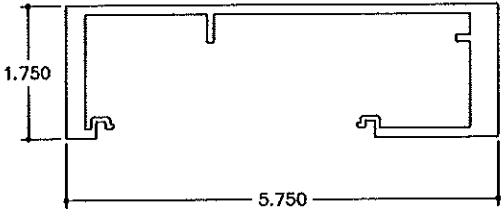
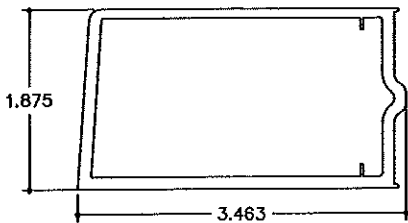
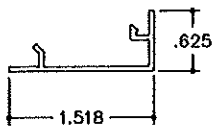
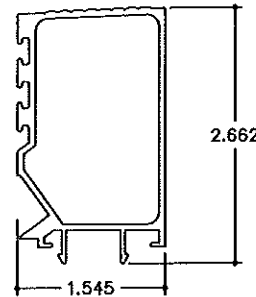
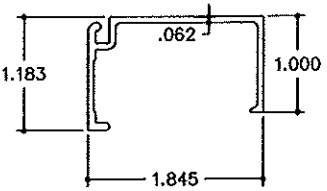
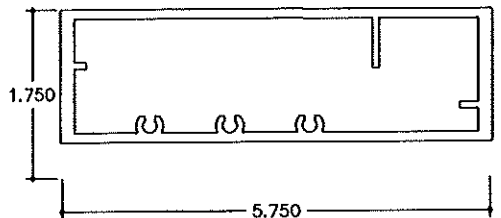
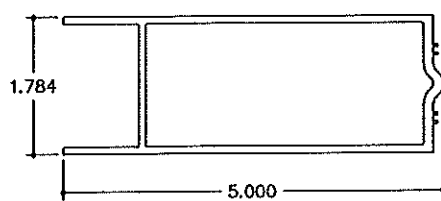
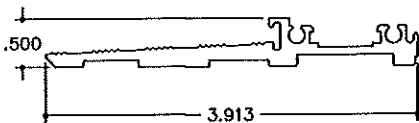
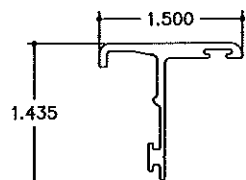
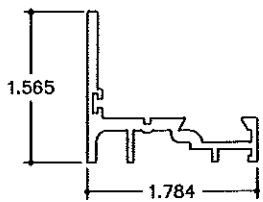
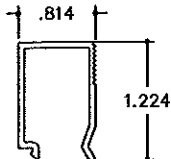
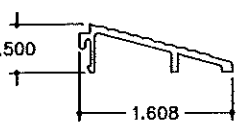
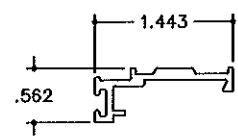
PRODUCT NAME: SUMMIT+ ALUMINUM OUTSWING DOOR SYSTEM - LMI		
DRAWING NUMBER: SUMMIT+OS.LMI	DRAW BY: M.G.	PRODUCT APPROVAL NO.: FL27984.1
SHT. 14 OF 16	SCALE: 6"=1'-0"	DATE: 08/17/18

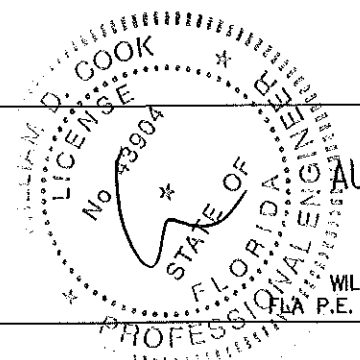

ALDORA
ALUMINUM AND GLASS PRODUCTS, INC.
 11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL. 33025
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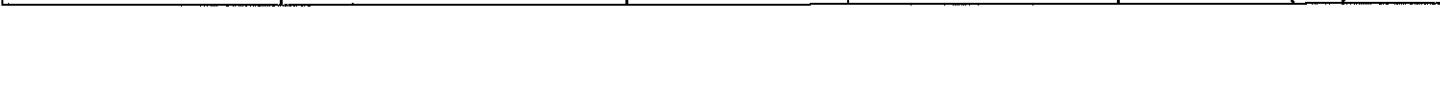
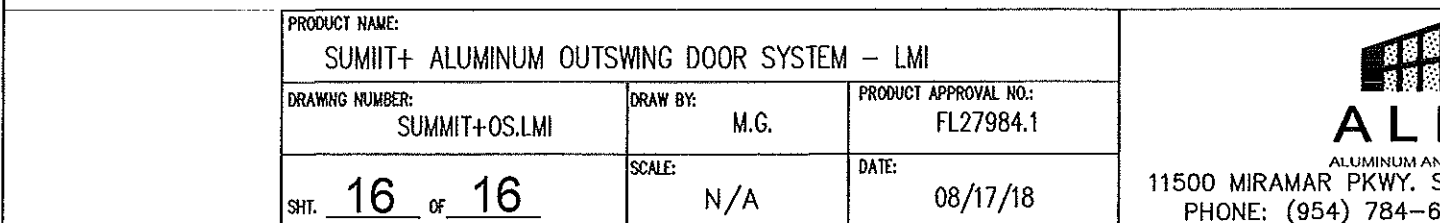
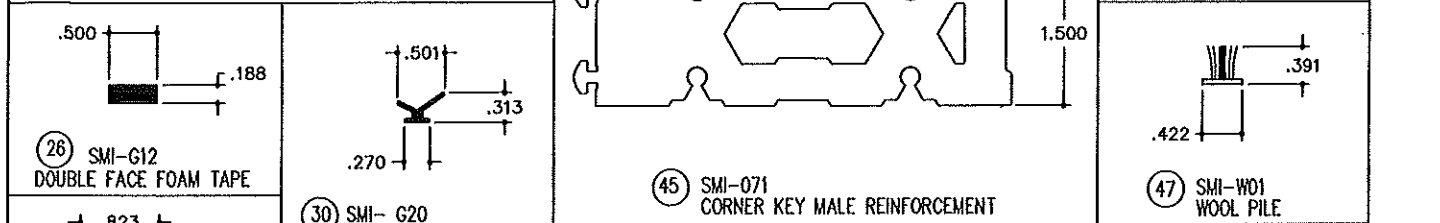
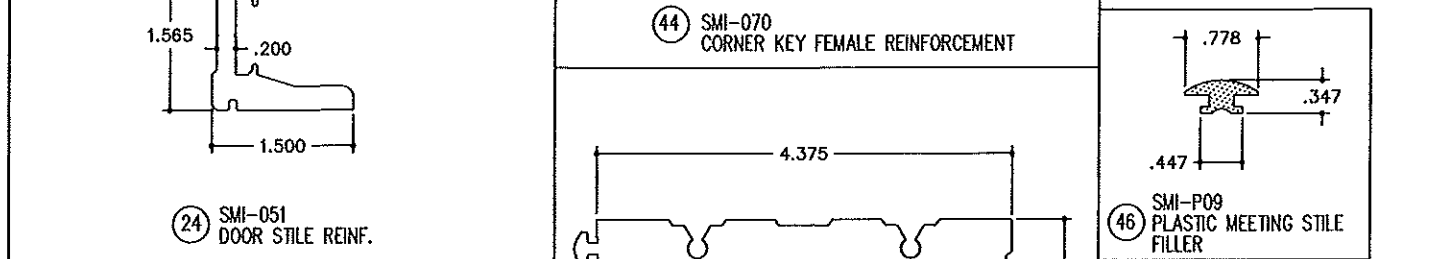
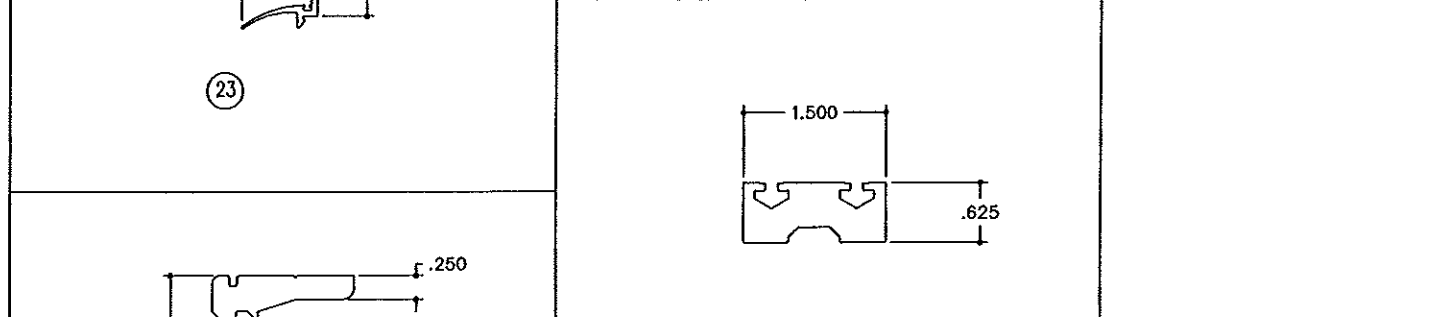
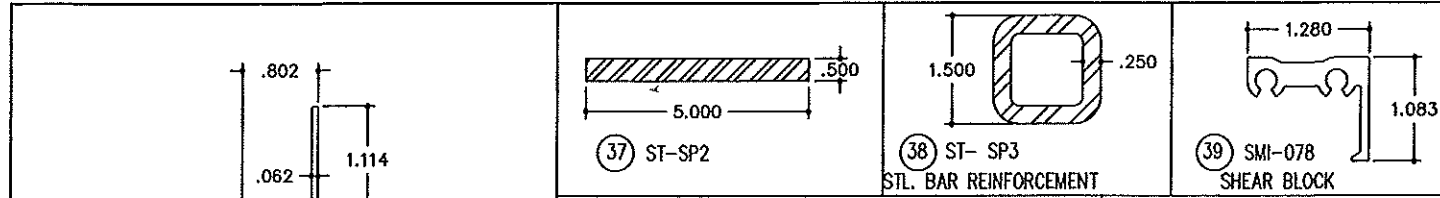
SEAL


 WILLIAM D. COOK P.E.
 FLA. P.E. #43904, FLA S.I. #2008

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 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634
 CERT. OF AUTH. #00009124

 ① SMI-004 PLAIN SNAP	 ⑤ SMI-009 ACTIVE STILE	 ⑧ SMI-013 BOTTOM RAIL	 ⑫ SMI-038 ADA THRESHOLD COVER	 ⑯ SMI-PW001 PICTURE WINDOW @ TRANSOM
 ② SMI-076 FRAME JAMB	 ⑥ SMI-011 HINGE STILE	 ⑨ SMI-015 DOOR STOP COVER	 ⑬ SMI-039 HI RISE THRESHOLD COVER	 ⑰ SMI-092 GLASS STOP
 ③ SMI-077 FRAME HEAD	 ⑦ SMI-012 TOP RAIL	 ⑩ SMI-036 BUMPER THRESHOLD BASE	 ⑭ SMI-058 ASTRAGAL	 ⑳ SMI-096 DOOR SASH BASE
 ④ SMI-008 DOOR SASH STOP		 ⑪ SMI-037 THRESHOLD RAMP ADAPTER	 ⑮ SMI-044 DOOR STOP BASE	

PRODUCT NAME: SUMMIT+ ALUMINUM OUTSWING DOOR SYSTEM - LMI			 ALUMINUM AND GLASS PRODUCTS, INC. 11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL. 33025 PHONE: (954) 784-6900 FAX: (954) 784-6901	SEAL 	BROMLEY•COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD AVENUE SUITE 100 FORT LAUDERDALE, FLORIDA 33309 TEL: (954) 772-4624 FAX: (954) 772-4634 CERT. OF AUTH. #00009124
DRAWING NUMBER: SUMMIT+OS.LMI	DRAW BY: M.G.	PRODUCT APPROVAL NO.: FL27984.1			
SHT. 15 OF 16	SCALE: N/A	DATE: 08/17/18			



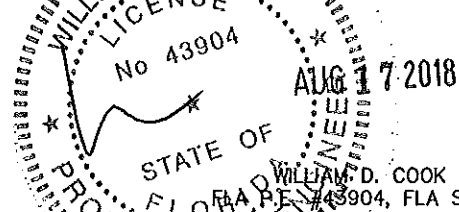
BILL OF MATERIALS					
ITEM #	PART #	QTY.	DESCRIPTION	MATERIAL	MANUF. / SUPPLIER / REMARKS
1	SMI-004	AS REQ'D	PLAIN SNAP	6063-T6	-
2	SMI-076	AS REQ'D	FRAME JAMB	6005-T5	-
3	SMI-077	AS REQ'D	FRAME HEAD	6005-T5	-
4	SMI-008	AS REQ'D	DOOR SASH STOP	6063-T6	-
5	SMI-009	AS REQ'D	ACTIVE / INACTIVE STILE	6063-T6	-
6	SMI-011	AS REQ'D	HINGE STILE	6063-T6	-
7	SMI-012	AS REQ'D	TOP RAIL	6063-T6	-
8	SMI-013	AS REQ'D	BOTTOM RAIL	6063-T6	-
9	SMI-015	AS REQ'D	DOOR STOP COVER	6063-T6	-
10	SMI-036	AS REQ'D	BUMPER THRESHOLD BASE	6063-T6	-
11	SMI-037	AS REQ'D	THRESHOLD RAMP ADAPTOR	6063-T6	-
12	SMI-038	AS REQ'D	ADA THRESHOLD COVER	6063-T6	-
13	SMI-039	AS REQ'D	HI-RISE THRESHOLD COVER	6063-T6	-
14	SMI-058	AS REQ'D	ASTRAGAL	6063-T6	-
15	SMI-044	AS REQ'D	DOOR STOP BASE	6063-T6	-
16	SMI-PH001	AS REQ'D	PICTURE WINDOW @ TRANSOM	6063-T6	-
17	FM SLI	AS REQ'D	CONTINUOUS GEAR HINGE	6063-T6	PEMCO/ASSA ABLOY
18	4001	4 PER LEAF	4" X 4 1/2" STAINLESS STEEL BALL BEARING BUTT HINGE	S.S.	REGENT
19					
20					
21					
22	SMI-096	AS REQ'D	DOOR SASH BASE	6063-T6	-
23	SMI-097	AS REQ'D	DOOR SASH STOP	6063-T6	-
23A	SMI-G13A	AS REQ'D	SPACER/ RETAINER GASKET	SANTOPRENE	MELTPONT PLASTICS
24	SMI-051	AS REQ'D	DOOR STILE ALUM. REINF.	6005-T5	-
25	SMI-G01	AS REQ'D	GASKET (Ø INTERIOR)	EPDM	TREMCO
26	SMI-G12	AS REQ'D	DOUBLE FACE FOAM TAPE (3/16" X 1/2")	VINYL FOAM	FRANK LOWE
27	SMI-G07	AS REQ'D	GASKET (Ø EXTERIOR)	SANTOPRENE	CENTRAL PLASTICS, INC.
28	SMI-G11	AS REQ'D	SINGLE FACE FOAM TAPE (1/8" X 1/2")	VINYL FOAM	FRANK LOWE
29	SMI-B01	AS REQ'D	.385 DIA. BULB	RIGID PVC	CENTRAL PLASTICS, INC.
30	SMI-G20	AS REQ'D	ASTRAGAL FLAP	VINYL	PEMCO
31	SMI-SB03	2 PER GL.	SETTING BLOCKS (1/4" X 1/2" X 2" LG.)	EPDM	TREMCO
32			NOT USED		
33	SMI-SB06	2 PER GL.	SETTING BLOCKS (3/8" X 5/8" X 4" LG.)	EPDM	TREMCO
34			NOT USED		
35	SMI-067	AS REQ'D	2" LG. ALUM. PIN GUIDE REINFORCEMENT	6005-T5	-
36			NOT USED		
37		AS REQ'D	5" X 1/2" THK. STL. REINFORCEMENT	STEEL	
38	ST-SP3	AS REQ'D	1 1/2" X 1 1/2" X 1/4" THK. STL. TUBE REINFORCEMENT (2 PARTS PER DOOR STILE)	STEEL	-
39	SMI-078	AS REQ'D	SHEAR BLOCK	6005-T5	
40	CWS	AS REQ'D	GLAZING COMPOUND	SILICONE	DOW CORNING
41	795	AS REQ'D	GLAZING COMPOUND	SILICONE	DOW CORNING
			NOT USED		
43	#12 X 1 1/2"	4/CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	HEX. & FT. HEAD SHEET METAL SCREW
44	SMI-070	AS REQ'D	CORNER KEY FEMALE ALUM. REINFORCEMENT	6005-T5	-
45	SMI-071	AS REQ'D	CORNER KEY MALE ALUM. REINFORCEMENT	6005-T5	-
46	SMI-P09	AS REQ'D	PLASTIC MEETING STILE FILLER	RIGID PVC	MELTPONT PLASTICS
47	SMI-W01	AS REQ'D	WOOL PILE	PILE	ULTRAFAB
48	1/4" X 20 X 1" LG.	4/CORNER	ASSEMBLY CORNER KEY ALUM. REINF.	ST. STEEL	HEX. HD. MACHINE BOLT
49	3/8" X 1" LG.	2/CORNER	ASSEMBLY CORNER KEY ALUM. REINF.	ST. STEEL	SOCKET CAP SCREW

PRODUCT NAME: SUMMIT+ ALUMINUM OUTSWING DOOR SYSTEM - LMI		
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SHT. 16 OF 16	SCALE: N/A	DATE: 08/17/18



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SEAL



WILLIAM D. COOK P.E.
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