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YKK AP America Inc.

YSD 400 SLIDING GLASS DOOR

(HVHZ) (NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - TAS 202-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT. DOCUMENTS SHALL BE APPROVED BY AUTHORITY HAVING JURISDICTION (AHJ)
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: ALUMINUM 6063-T5
7. ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.

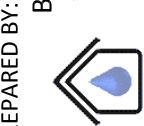
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DESIGN PRESSURE TABLE	
MAX. DP	IMPACT RATING
SEE SHEET 2	NON-IMPACT



YKK AP America Inc
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YSD 400
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
GENERAL NOTES &
TABLE OF CONTENTS



PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero
Reason: I am approving this document
Date: 2020.02.13 11:48:29 -0500



HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL8753

DATE: **06.06.16**

DWG. BY: **MSS** CHK. BY: **HFN**

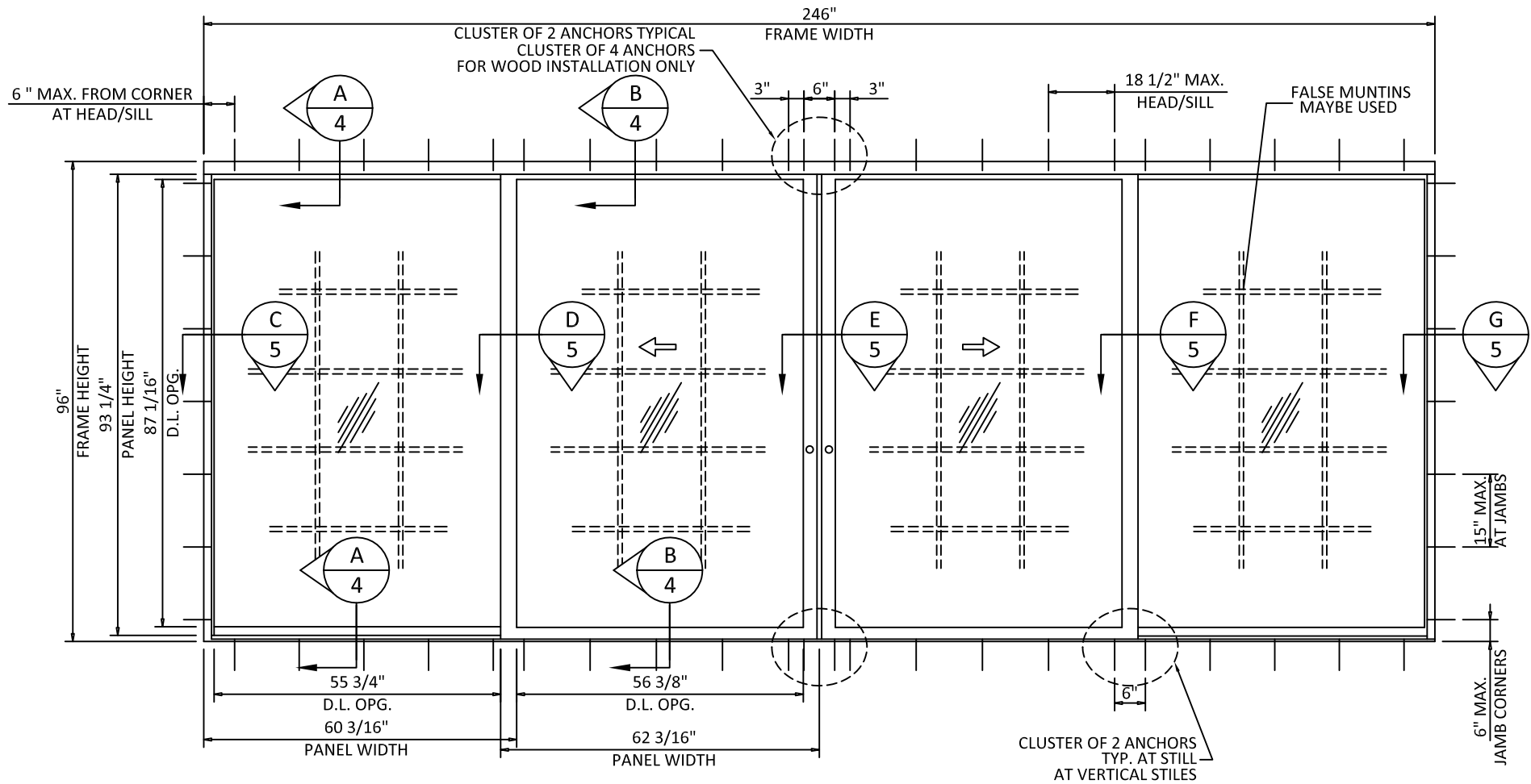
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DWG. #: **YKK232**

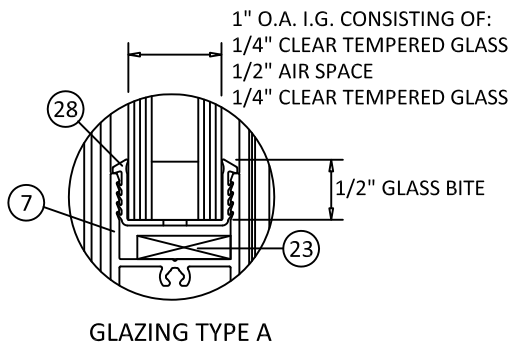
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OF 7



TYPICAL ELEVATION
FOR OXO



- NOTES:
- GLASS COMPLIES WITH ASTM E 1300 GLASS CHART REQUIREMENTS.
 - ALL GLAZING CONFIGURATIONS COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN THE FBC.
 - ALL LITES GREATER THAN 36" IN WIDTH SHALL UTILIZE SETTING BLOCKS IN ACCORDANCE WITH THE FBC.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.

- 1/2" AIR SPACE CONSISTING OF:
- SPACER: ALUMINUM BOX SPACER
 - PRIMARY SEALANT: POLYISOBUTYLENE (PIB)
 - SECONDARY SEALANT: STRUCTURAL SILICONE INTENDED FOR FABRICATION ON INSULATED GLASS UNITS.

DESIGN PRESSURE TABLE			
Door Panel Widths are Average (O.A. Width/# of Panels)			
Width (in.)	Height (in.)	Positive Design Pressure (PSF)	Negative Design Pressure
28	80	100.0	108.6
32		98.0	98.0
36		89.9	89.9
40		83.6	83.6
44		78.6	78.6
48		74.6	74.6
52		71.5	71.5
56		68.9	68.9
60	84	66.9	66.9
61.5		66.2	66.2
28		100.0	107.5
32		96.8	96.8
36		88.7	88.7
40		82.3	82.3
44		77.2	77.2
48		73.2	73.2
52	90	69.9	69.9
56		67.2	67.2
60		65.0	65.0
61.5		64.3	64.3
28		100.0	106.1
32		95.3	95.3
36		87.1	87.1
40		80.6	80.6
44	96	75.4	75.4
48		71.3	71.3
52		67.8	67.8
56		65.0	65.0
60		62.7	62.7
61.5		61.9	61.9
28		100.0	104.9
32		94.1	94.1
36		85.7	85.7
40		79.2	79.2
44		73.9	73.9
48		69.7	69.7
52		66.1	66.1
56		63.2	63.2
60		60.8	60.8
61.5		60.0	60.0



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TITLE:
YSD 400
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
ELEVATION & GLAZING DETAIL

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CHK. BY: HFN

SCALE: NTS

DWG. #: YKK232

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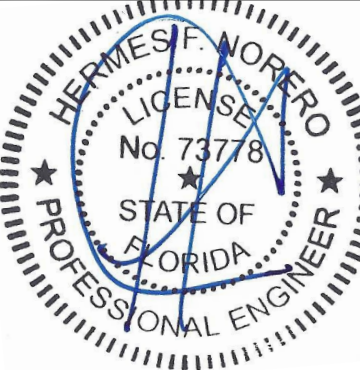
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ELEVATION

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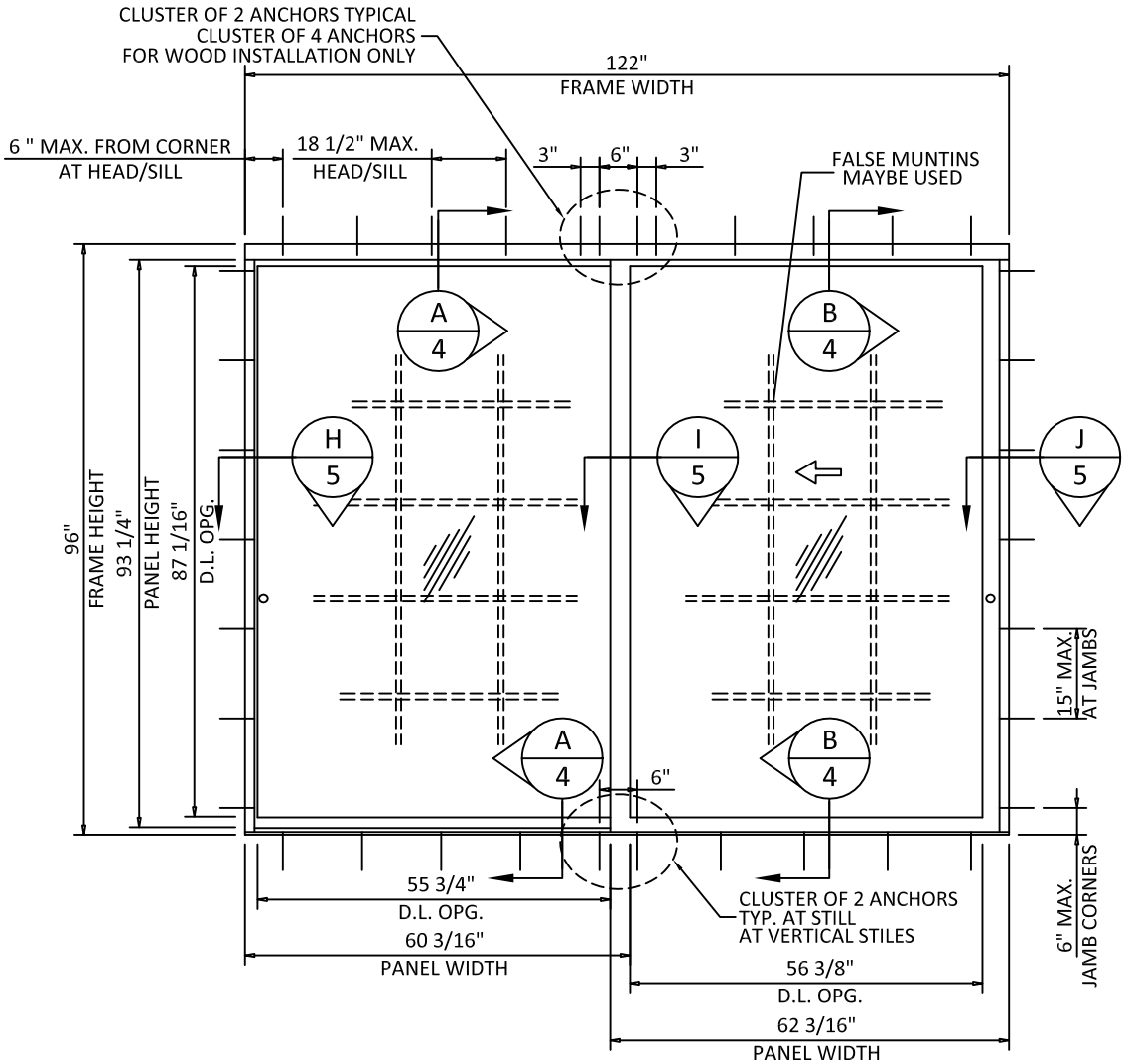
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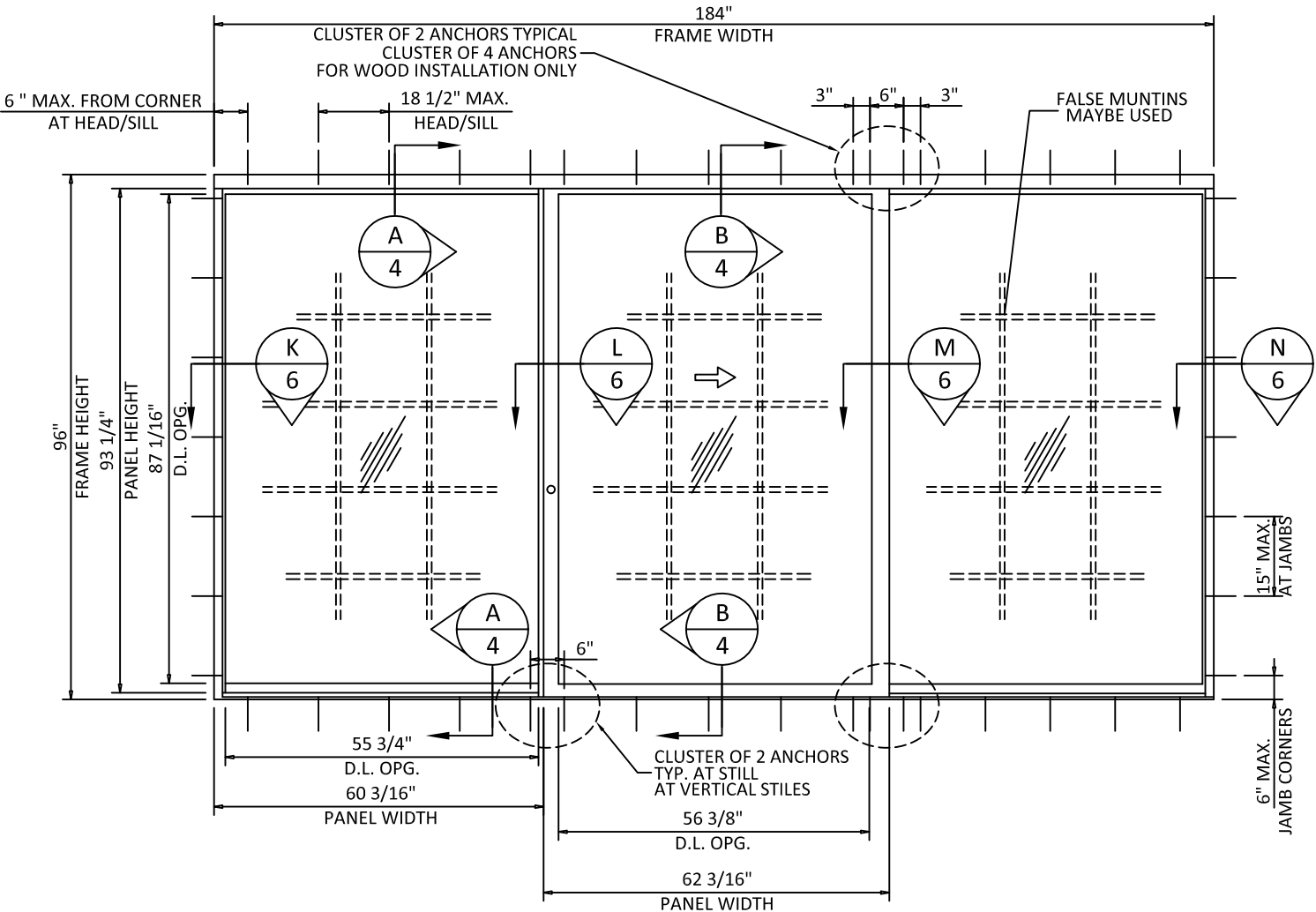
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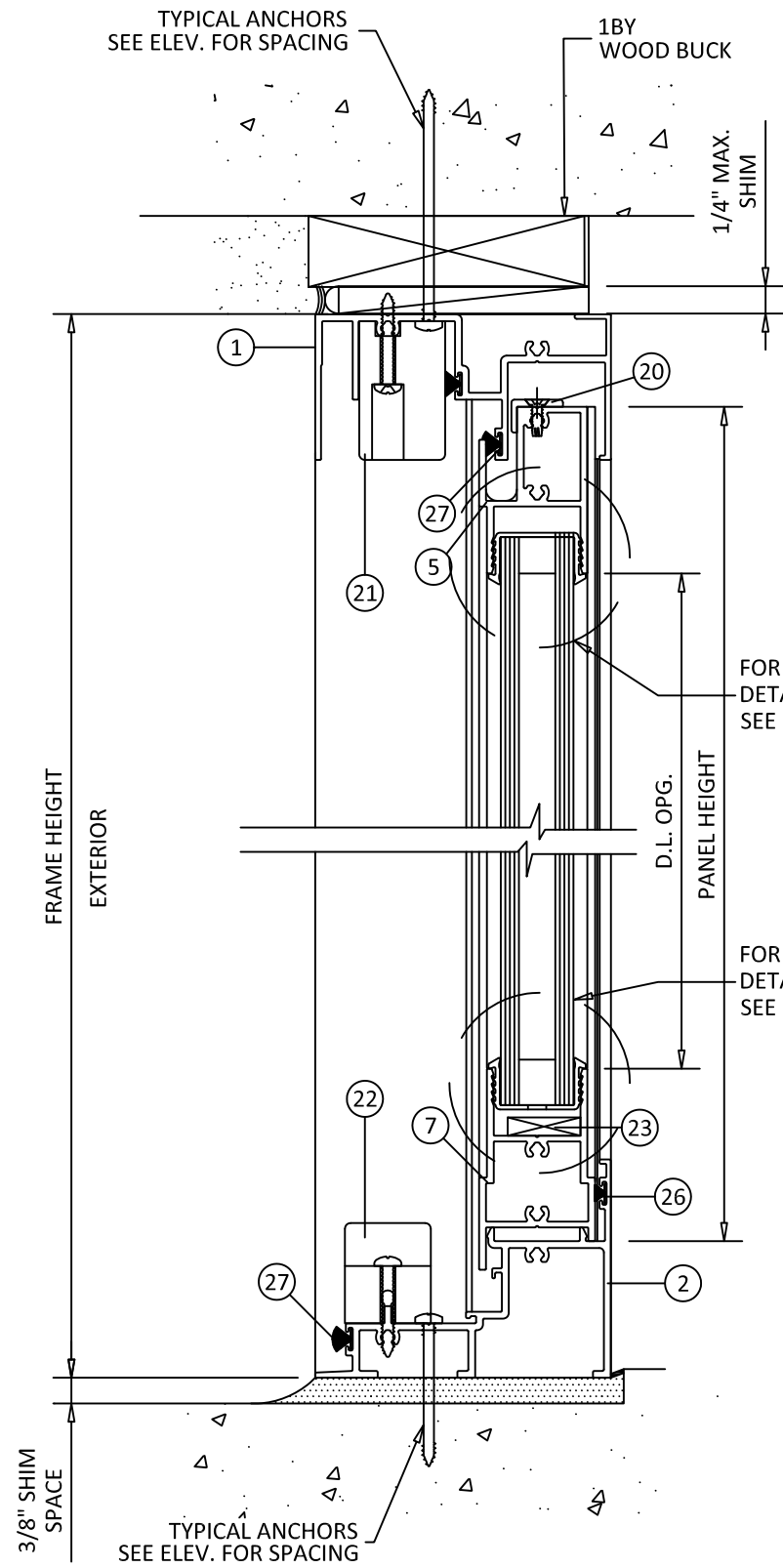
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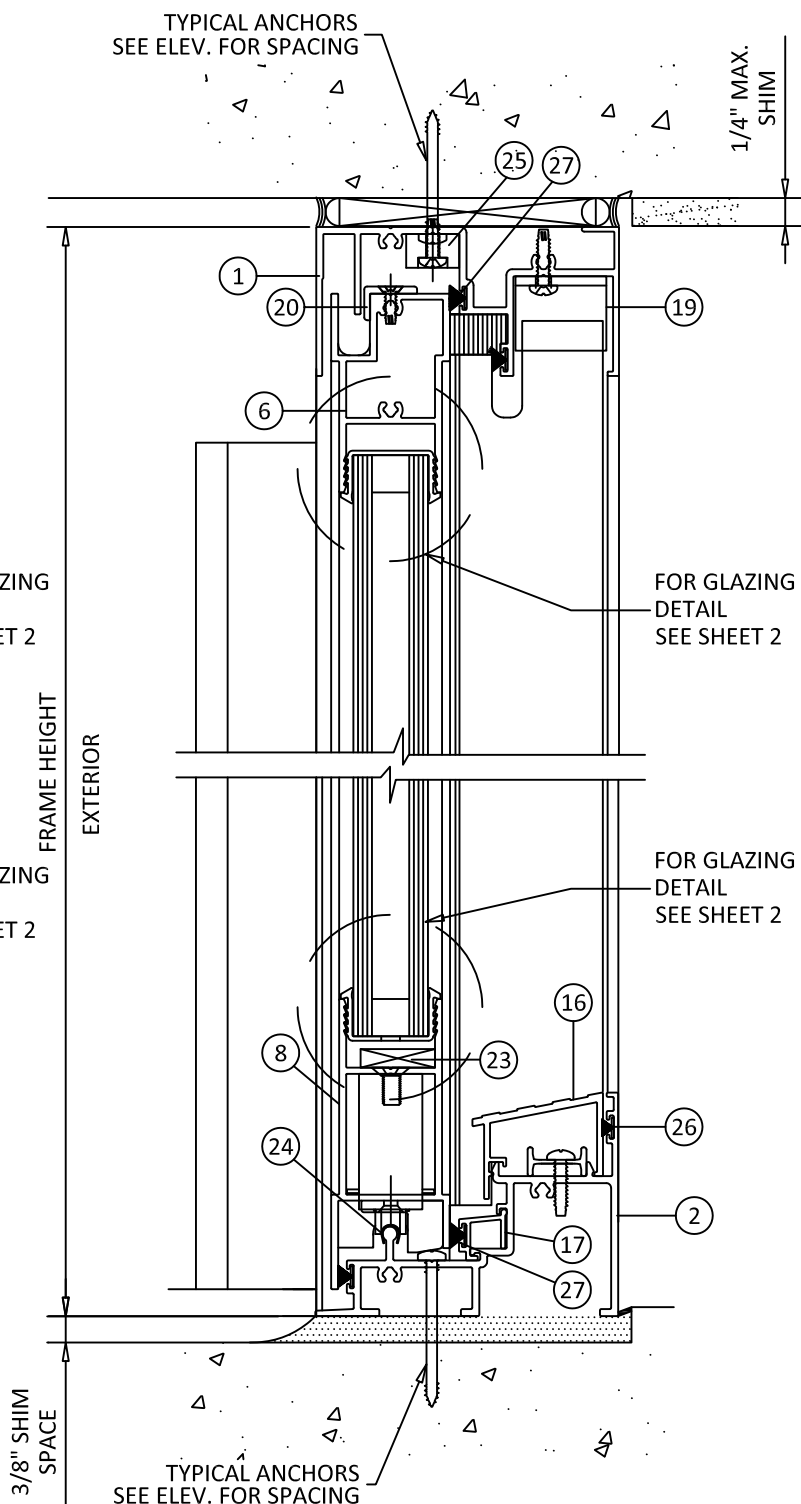
TYPICAL ELEVATION
FOR OX/XO



TYPICAL ELEVATION
FOR OXO

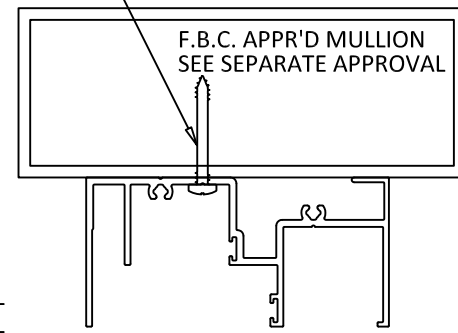


A
4 **VERTICAL SECTION**
FIXED PANEL

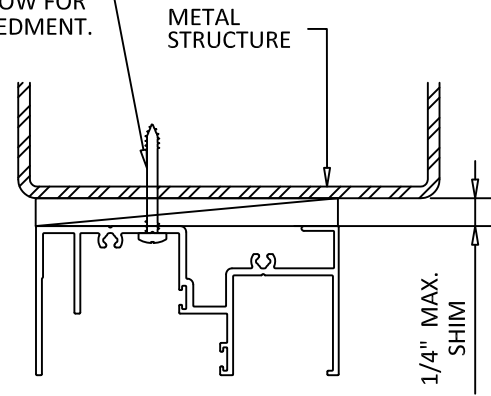


B
4 **VERTICAL SECTION**
OPERABLE PANEL

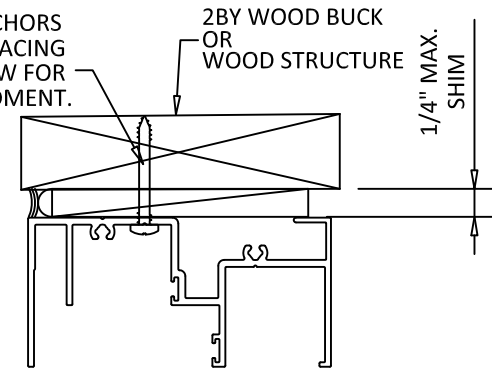
TYPICAL ANCHORS
SEE ELEV. FOR SPACING
SEE NOTES BELOW FOR
MIN. E.D. & EMBEDMENT.



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TYPICAL ANCHORS
SEE ELEV. FOR SPACING
SEE NOTES BELOW FOR
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TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- #14 WOOD SCREW**
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (MIN. S.G. = 0.55)
1-1/2" MIN. PENETRATION INTO WOOD
- 1/4" DIA. TAPCON BY 'ITW'** (Fu=120 KSI, Fy= 92 KSI)
THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- DIRECTLY INTO CONC. OR MASONRY**
1-3/4" MIN. EMBED INTO CONC. OR MASONRY
- 1/4" DIA. SMS OR SELF DRILLING SCREWS** (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS (MIN. THK. = .090")
(NO SHIM SPACE)
- INTO METAL STRUCTURES**
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
INTO CONCRETE AND MASONRY = 2-5/8" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.
C-90 FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
FRAME AND PANEL CORNERS SEALED WITH
TREMCO SPECTREM 2 OR G.E. SILGLAZE OR
TREMCO TREMSIL 600 SEALANT.



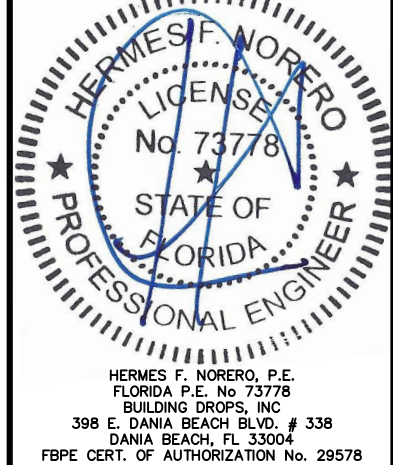
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VERTICAL SECTIONS
AND ANCHOR SCHEDULE

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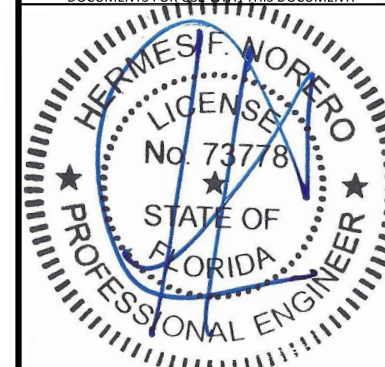
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TITLE:
YSD 400
SLIDING GLASS DOOR
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HORIZONTAL SECTIONS

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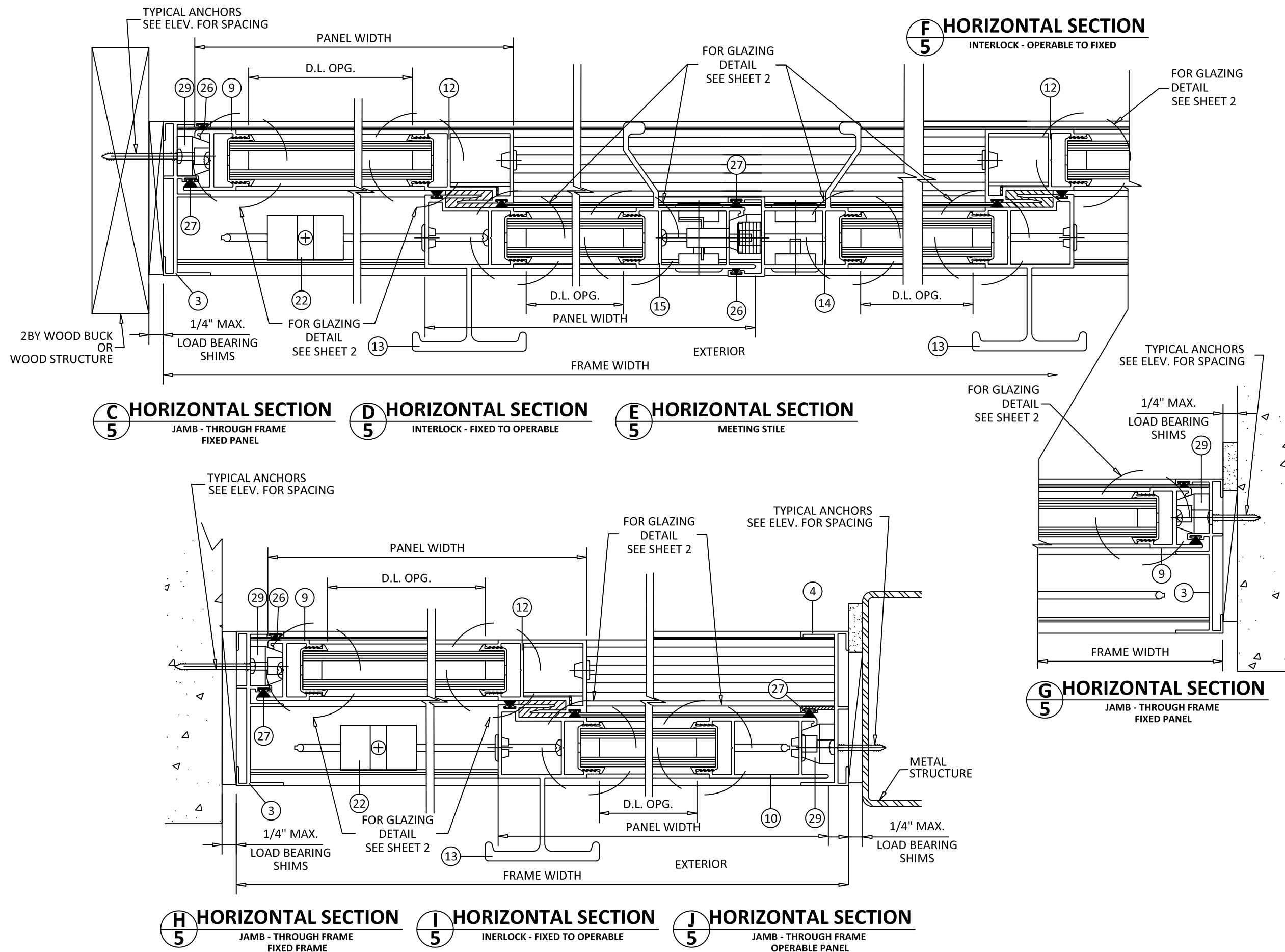
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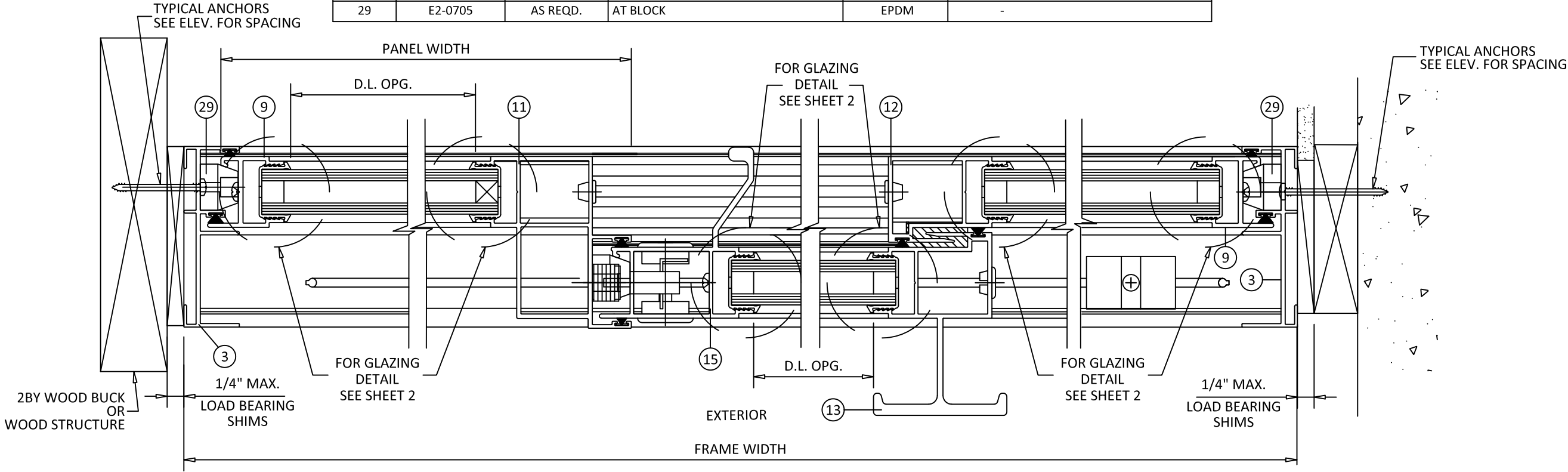
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ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-6001	1	FRAME HEAD	6063-T5	YKK AP AMERICA
2	E9-6002	1	FRAME SILL	6063-T5	YKK AP AMERICA
3	E9-6004	1	FRAME JAMB (FIXED)	6063-T5	YKK AP AMERICA
4	E9-6005	1	FRAME JAMB (OPERABLE)	6063-T5	YKK AP AMERICA
5	E9-6009	1/ PANEL	TOP RAIL(FIXED)	6063-T5	YKK AP AMERICA
6	E9-6008	1/ PANEL	TOP RAIL(OPERABLE)	6063-T5	YKK AP AMERICA
7	E9-6011	1/ PANEL	BOTTOM RAIL (FIXED)	6063-T5	YKK AP AMERICA
8	E9-6010	1/ PANEL	BOTTOM RAIL (OPERABLE)	6063-T5	YKK AP AMERICA
9	E9-6014	1	JAMB STILE (FIXED)	6063-T5	YKK AP AMERICA
10	E9-6013	1	JAMB STILE (OPERABLE)	6063-T5	YKK AP AMERICA
11	E9-6021	1	ASTRAGAL STILE	6063-T5	YKK AP AMERICA
12	E9-6015	1	INTERLOCK (FIXED)	6063-T5	YKK AP AMERICA
13	E9-6016	AS REQD.	INTERLOCK (OPERABLE)	6063-T5	YKK AP AMERICA
14	E9-6020	1	FEMALE LOCK STILE	6063-T5	YKK AP AMERICA
15	E9-6019	1	MALE LOCK STILE	6063-T5	YKK AP AMERICA
16	E9-6007	1	THRESHOLD	6063-T5	YKK AP AMERICA
17	E9-6006	1	WEATHERSEAL SILL ATTACHMENT	6063-T5	YKK AP AMERICA
18	-	-	-	-	-
19	E1-1604	2/ MOV. PANEL	MOV. PANEL BLOCK	6063-T5	SECURED W/ (2) #8 X 1/2" PH TS
20	E3-1161	1/ MOV. PANEL	PANEL GUIDE	POLYAMIDE 6	SECURED W/ #8 X 1/2" PH TS
21	E2-0708	1/ MOV. PANEL	HEAD BUMPER	EPDM	SECURED W/ #10 X 1/4" PH TS
22	E2-0709	1/ MOV. PANEL	SILL BUMPER	EPDM	SECURED W/ #10 X 1/4" PH TS
23	E2-0704	AS REQD.	SETTING BLOCK	EPDM	-
24	E1-1601	1	SILL TRACK COVER	ST.STEEL	-
25	E3-1162	2/ MOV. PANEL	FIX. PANEL STOP	POLYAMIDE 6	SECURED W/ (2) #8 X 1/2" PH TS
26	E2-0711	AS REQD.	PILE W' STRIPPING WITH FIN	-	-
27	E2-0723	AS REQD.	PILE W' STRIPPING WITH FIN	-	-
28	E2-0703	AS REQD.	GLAZING GASKET	-	-
29	E2-0705	AS REQD.	AT BLOCK	EPDM	-



K
6 **HORIZONTAL SECTION**
JAMB - THROUGH FRAME
FIXED PANEL

L
6 **HORIZONTAL SECTION**
INTERLOCK - FIXED TO OPERABLE

M
6 **HORIZONTAL SECTION**
INTERLOCK - OPERABLE TO FIXED

N
6 **HORIZONTAL SECTION**
JAMB - THROUGH FRAME
FIXED PANEL



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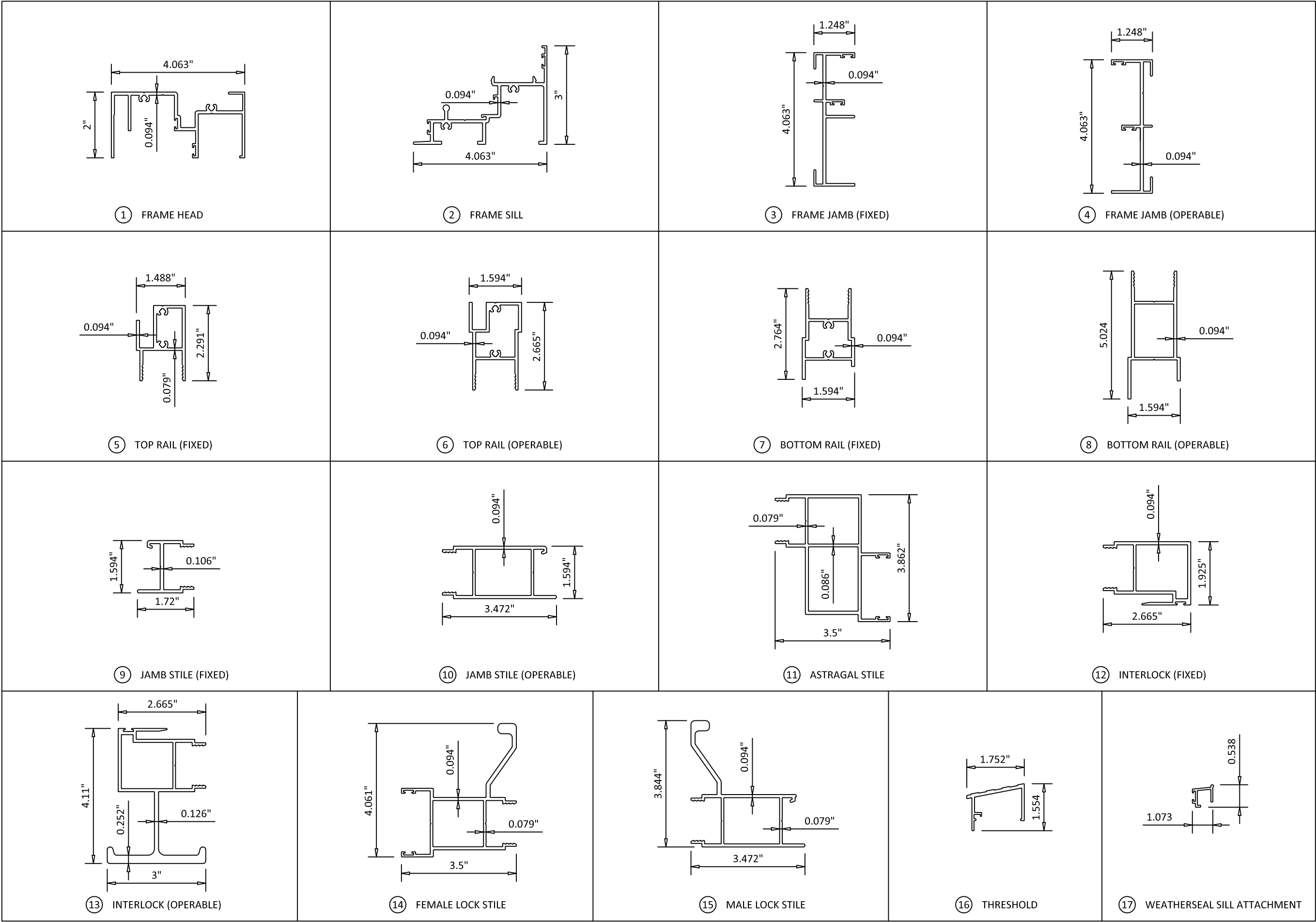
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Quality
inspires™

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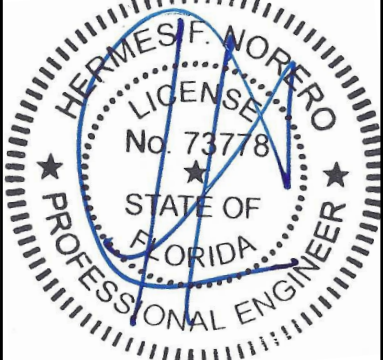
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