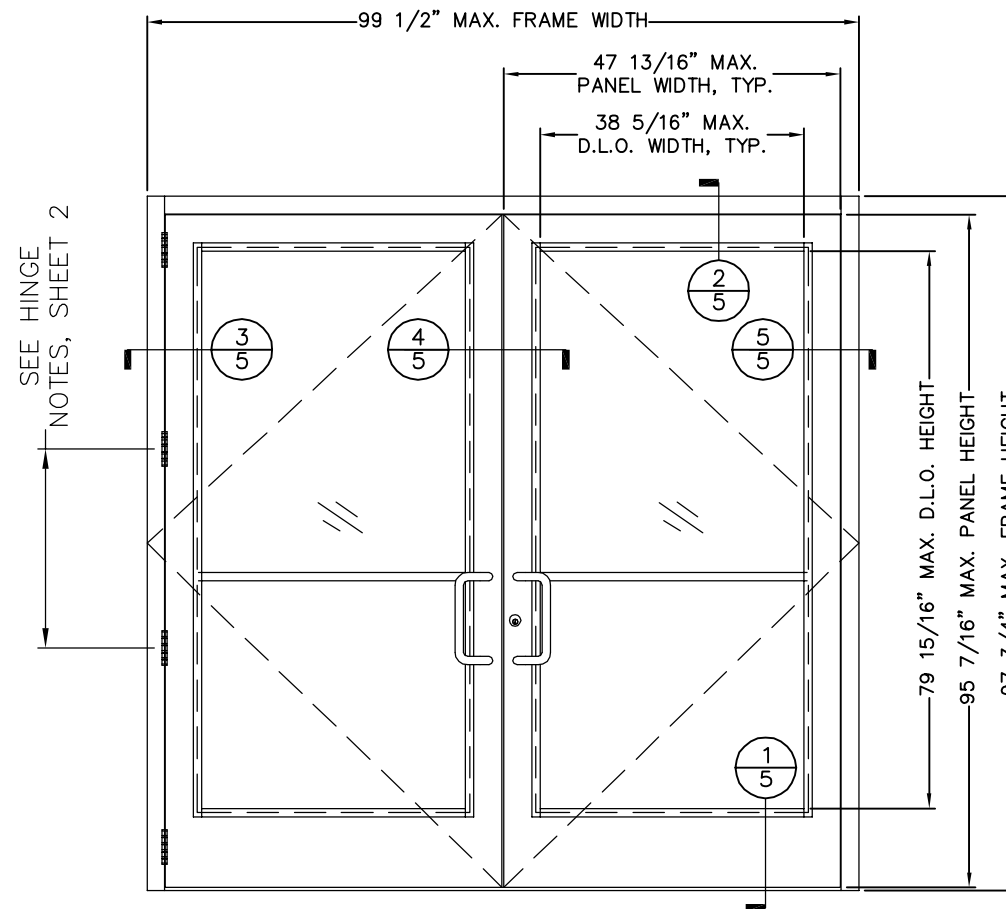


**GENERAL NOTES:**

1. THIS PRODUCT HAS BEEN TESTED TO ASTM E1886/1996, ASTM E283, ASTM E330, AND AAMA 1304, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT (WIND ZONE 3 MISSILE LEVEL D) AND DOES NOT REQUIRE THE USE OF SHUTTERS IN WIND ZONE 3 AND BELOW WINDBORNE DEBRIS REGIONS.
3. ALLOWABLE CONFIGURATIONS: X (SINGLE PANEL) OR XX (DOUBLE PANEL). PANELS MAY BE INSTALLED INTO APPROVED TUBELITE FRAMING (SEE SEPARATE APPROVALS), WITH THE LOWER OF THE DOOR OR FRAMING DESIGN PRESSURES APPLYING TO THE ENTIRE ASSEMBLY.
4. THE DESIGN PRESSURE RATINGS OF THIS PRODUCT ARE AS LIMITED BY ASTM E-1300 04E01/09 GLASS TABLES, TESTED PRESSURES, AND RATIONAL ANALYSIS FOR SOME HARDWARE TYPES.
5. THIS PRODUCT IS NOT TESTED FOR WATER INFILTRATION RESISTANCE AND IS INTENDED FOR USE ONLY IN DRY LOCATIONS OR THOSE WITH A 1:1 OVERHANG IN ACCORDANCE WITH THE FBC. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER PERFORMANCE OF INSTALLED PRODUCTS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS AND ARE THE RESPONSIBILITY OF OTHERS.
6. THE 4/3 ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF WOOD SUBSTRATE ONLY.
7. STRUCTURAL SUITABILITY OF THE OPENING TO RECEIVE LOADS IMPARTED FROM THIS PRODUCT TO BE VERIFIED BY THE DESIGN PROFESSIONAL FOR EACH PROJECT. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT, INCLUDING BUT NOT LIMITED TO FASTENERS IN PRESSURE TREATED WOOD, SHALL BE COATED OR OTHERWISE PROTECTED PER FBC TO PREVENT GALVANIC REACTIONS.
9. INSTALLATIONS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS UNLESS OTHERWISE APPROVED BY A LICENSED DESIGN PROFESSIONAL.
10. THIS DOOR PANEL MAY BE USED IN THE TUBELITE MONUMENTAL DOOR FRAMING IN CURTAIN WALL FRAMING (SEE SEPARATE APPROVAL), WITH DESIGN PRESSURES LIMITED TO THE LOWER OF THOSE IN THIS APPROVAL OR THE MONUMENTAL DOOR APPROVAL.
11. SASH PROFILE WIDTHS AS INDICATED IN THIS DRAWING ARE MINIMUMS. WIDER TUBELITE SASH EXTRUSION WIDTHS (RESULTING IN SMALLER GLASS D.L.O.'S) SUCH AS BUT NOT LIMITED TO THE WIDE STILE SASH, ARE ACCEPTABLE WITH THE SAME MAX. PANEL WIDTHS AND HEIGHTS AND DESIGN PRESSURES AS INDICATED IN THESE DRAWINGS.

**TABLE OF CONTENTS:**

SHEET	DESCRIPTION
1	GEN. NOTES, ELEV. A
2	ELEV. B & C, HINGE NOTES
3	ANCHOR LOC. ELEVATIONS
4	INSTALLATION, GLAZING
5	SECTION DETAILS
6	PROFILE DRAWINGS
7	BILL OF MATERIALS



**ELEVATION A**

3-POINT LOCK ACTIVE, FLUSH BOLTS INACTIVE

ELEVATION A			
QUALIFIED LOCKING HARDWARE	BOTTOM OF DOOR TO LOCK CENTERLINE	DESIGN PRESSURE RATING (+/-PSF)	IMPACT RATING
ACTIVE: ADAMS-RITE 1853A (DEADLOCK 3-POINT WITH FLUSH BOLTS MS1850S 1-1/2 BACKSET, 4015 THRESHOLD BOLT AT BOTTOM OF PANEL, 4016 BOLT AT TOP OF PANEL)			
INACTIVE: 1) ADAMS-RITE MS1881, MS2180, OR P1010-OR TWO POINT FLUSH BOLTS 2) INTERNATIONAL F1203 STANDARD FLUSH BOLTS, PART #P059 WITH #P849 GUIDE, ON TOP AND BOTTOM OF PANEL	35 1/2"	50	LARGE & SMALL MISSILE IMPACT

**TUBELITE, INC.**  
**MEDIUM AND WIDE STILE**  
**ALUMINUM OUTSWING**  
**ENTRANCE DOORS**  
**(WIND ZONE 3 IMPACT)**  
**WITH SINGLE PANE**  
**LAMINATED GLASS**

TUBELITE  
 STANDARD STILE  
 ENTRANCE DOORS  
 LARGE MISSILE IMPACT  
 W/ SINGLE PANE GLASS

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 CURTAINWALL AND ENTRANCE SYSTEMS



REVISION HISTORY:

REV	DATE	DESCRIPTION
0	8.25.16	ORIGINAL RELEASE
A	10.12.17	UPDATED HARDWARE

DATE: 08.25.14

DRAWING NUMBER: FPA-STD-MONO

DRAWN:

FINAL REVIEW:

SCALE: N.T.S.

REVISION: A

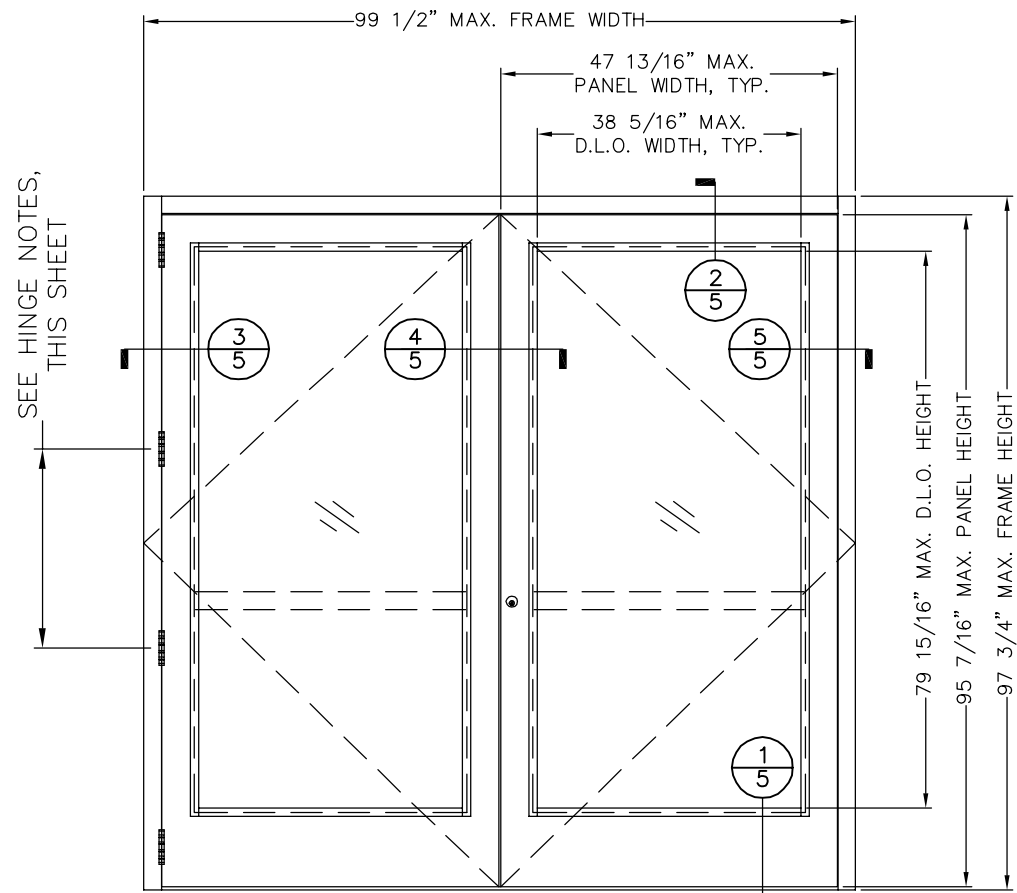
SHEET NAME:

GEN. NOTES, ELEVATION A

SHEET: 1 OF 7

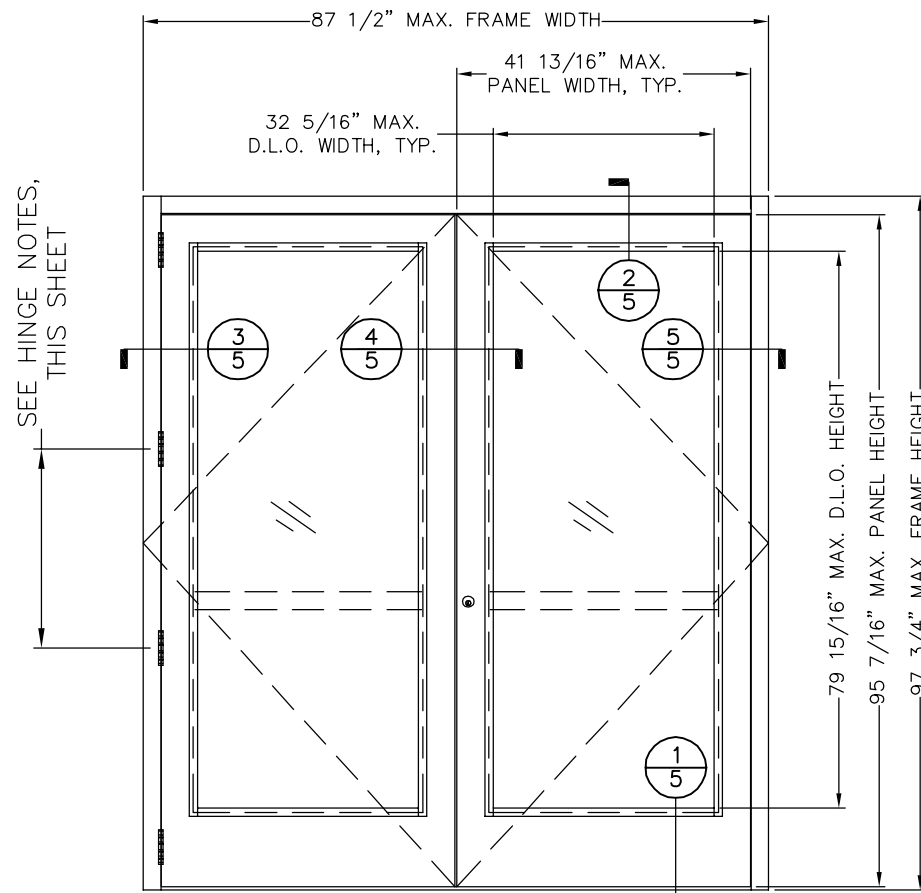
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ELEVATION B

CONCEALED VERTICAL ROD / CABLE EXIT DEVICES



ELEVATION C

CONCEALED VERTICAL ROD EXIT DEVICE

APPROVED HINGE OPTIONS FOR ELEVATIONS A, B, AND C:

- 1) MORTISED HD HAGER BUTT HINGE BB-1199 WITH TWO BUTT HINGE REINFORCEMENTS (PART #P2093) PER HINGE:  
 3'X7' NOM. MAX. PANEL: THREE (3) HINGES PER PANEL AT 5-11/16" MAX. FROM BOTTOM OF DOOR AND 36-3/8" O.C. THEREAFTER EQUALLY SPACED.  
 4'X8' NOM. MAX. PANEL: FOUR (4) HINGES PER PANEL AT 5-11/16" MAX. FROM BOTTOM OF DOOR AND 28-1/4" O.C. THEREAFTER EQUALLY SPACED.

- 2) RIXON OFFSET PIVOT HINGES 180/147/M19L, FOUR HINGES PER PANEL AT TOP AND BOTTOM OF PANEL AND TWO EQUALLY SPACED BETWEEN, WITH TOP PIVOT AND INTERMEDIATE PIVOT REINFORCEMENTS

- 3) CONTINUOUS HINGE: SELECT SL11HD, PEMKO KCFM-95HD1, OR HAGER-ROTON 780

ELEVATION B			
QUALIFIED LOCKING HARDWARE	BOTTOM OF DOOR TO LOCK CENTERLINE	DESIGN PRESSURE RATING (+/-PSF)	IMPACT RATING
FIRST CHOICE 3600 CVR	40 5/8"	50	LARGE & SMALL MISSILE IMPACT
VON DUPRIN HH98/9947 CVR	40 5/8"		
VON DUPRIN 98/9949 CV CABLE	40 5/8"		
JACKSON 2086 CVR	40 5/8"		
ADAMS G86 CVR	39 9/16"		
FALCON HSEC 1690 CVR	40 9/16"		
SARGENT AD/MD8400 CVR	40 9/16"		
SARGENT MD8600 CVR	40 9/16"		
CALIBRE 9100 CVR	40 9/16"		

ELEVATION C			
QUALIFIED LOCKING HARDWARE	BOTTOM OF DOOR TO LOCK CENTERLINE	DESIGN PRESSURE RATING (+/-PSF)	IMPACT RATING
JACKSON 1285 CVR	40 5/8"	50	LARGE & SMALL MISSILE IMPACT



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TUBELITE  
 STANDARD STILE  
 ENTRANCE DOORS  
 LARGE MISSILE IMPACT  
 W/ SINGLE PANE GLASS

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REV	DESCRIPTION
0	ORIGINAL RELEASE
A	UPDATED HARDWARE

DATE: 08.25.14  
 DRAWING NUMBER: FPA-STD-MONO  
 DRAWN:  
 FINAL REVIEW:  
 SCALE: N.T.S.  
 REVISION: A  
 SHEET NAME: ELEVATIONS B AND C, HINGE NOTES  
 SHEET: 2 OF 7

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DATE: 08.25.14

DRAWING NUMBER: FPA-STD-MONO

DRAWN:

FINAL REVIEW:

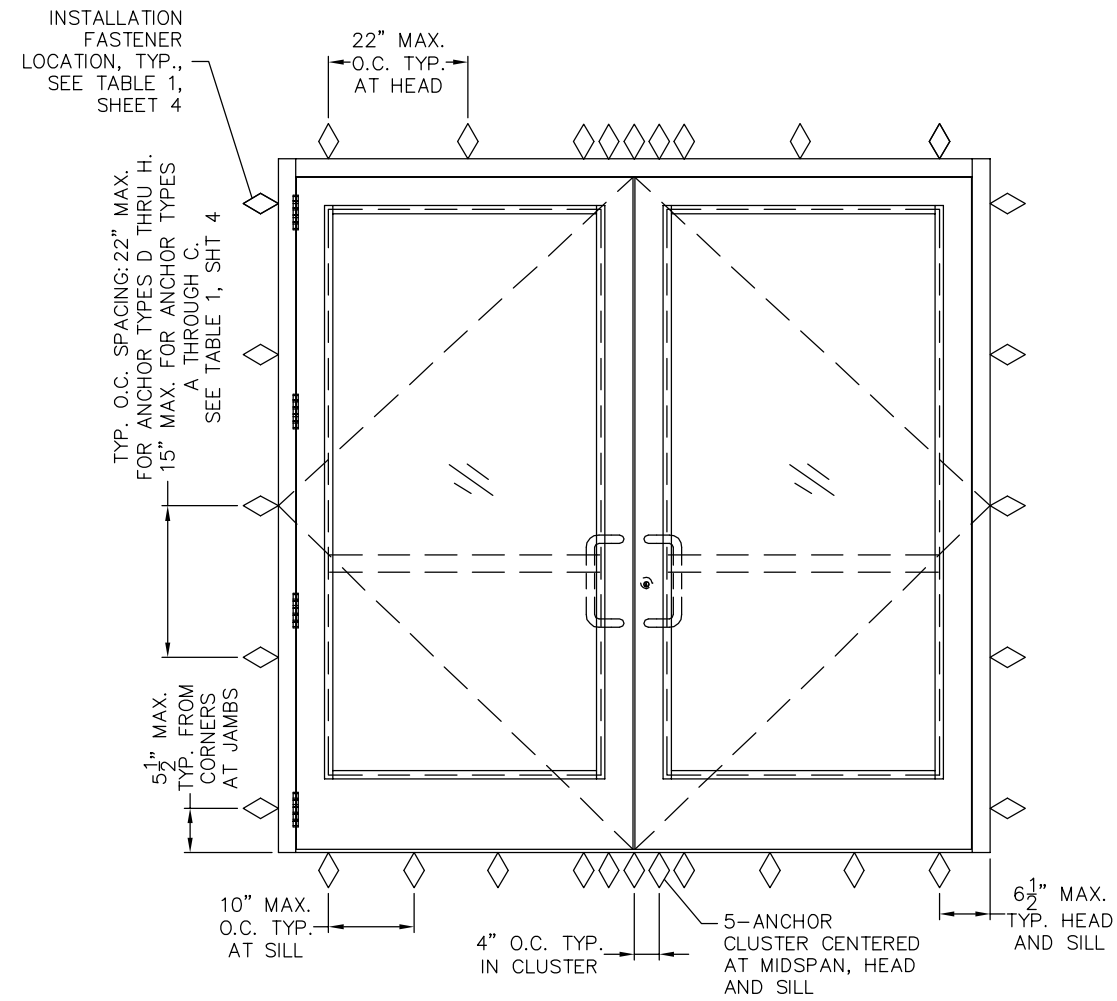
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REVISION: A

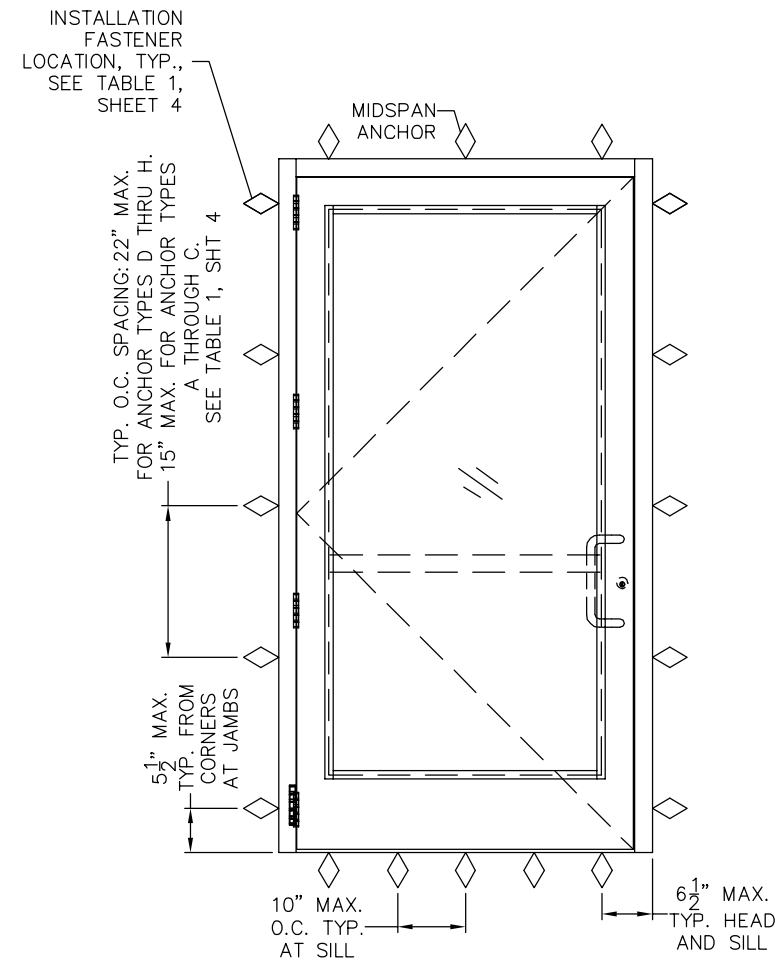
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ANCHOR LOCATION ELEVATIONS

SHEET: 3 OF 7

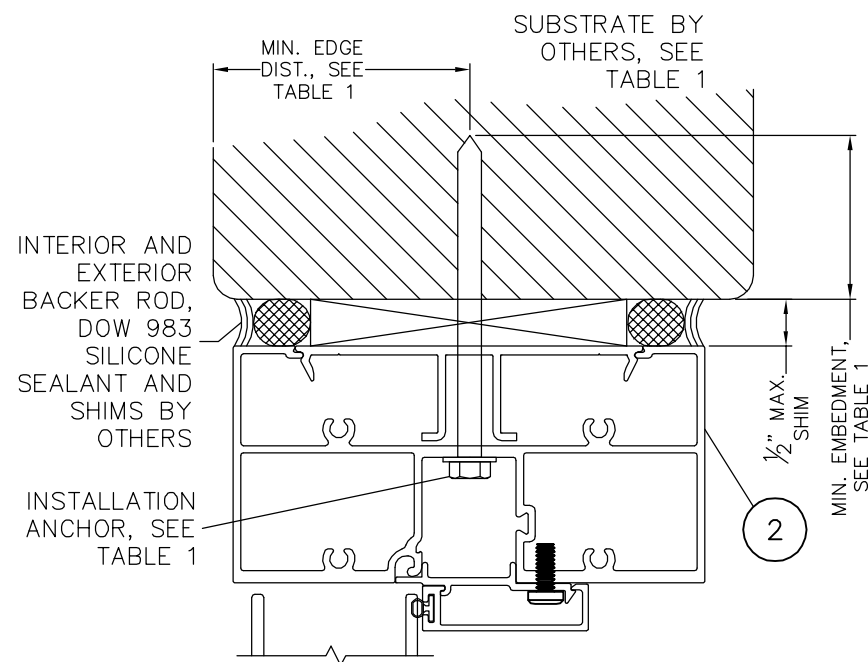


XX ANCHOR LOCATION ELEVATION

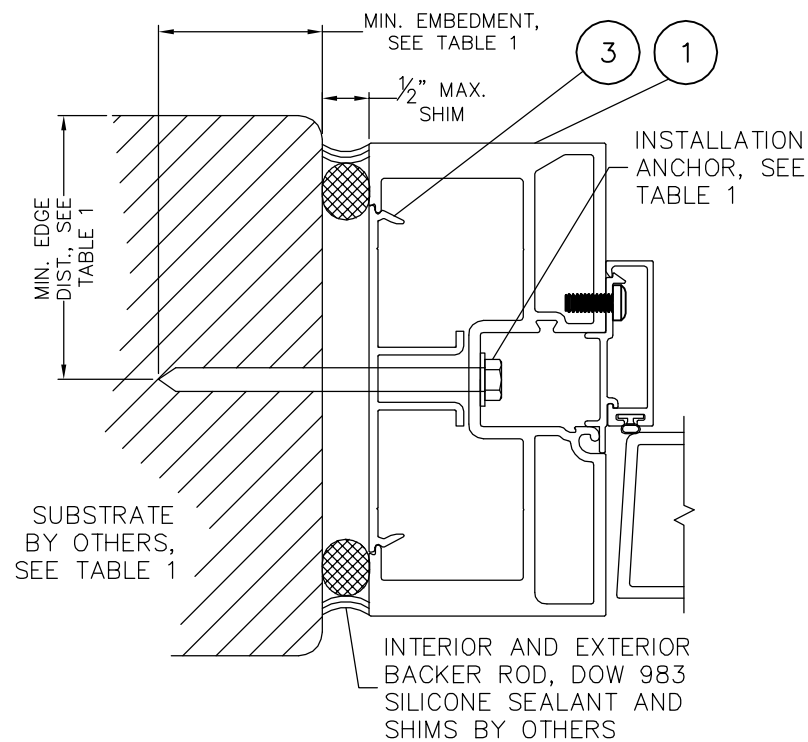


X ANCHOR LOCATION ELEVATION

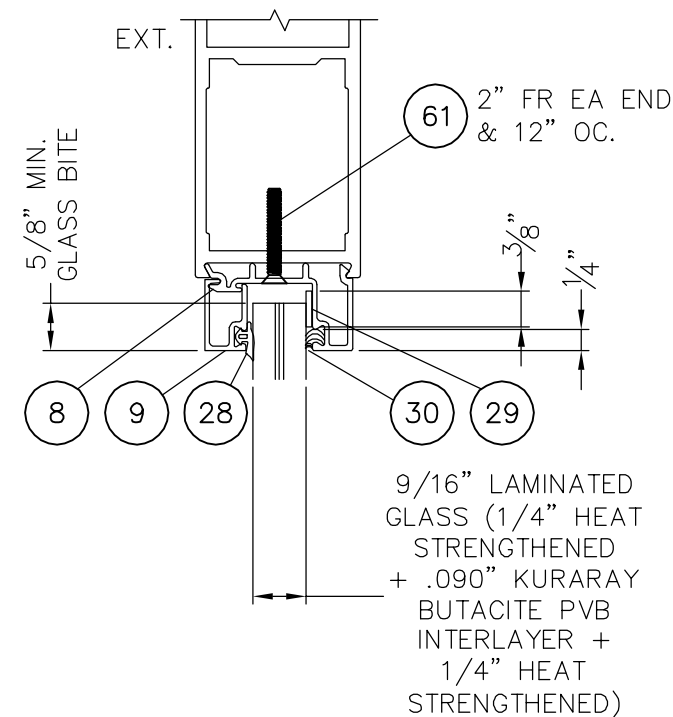
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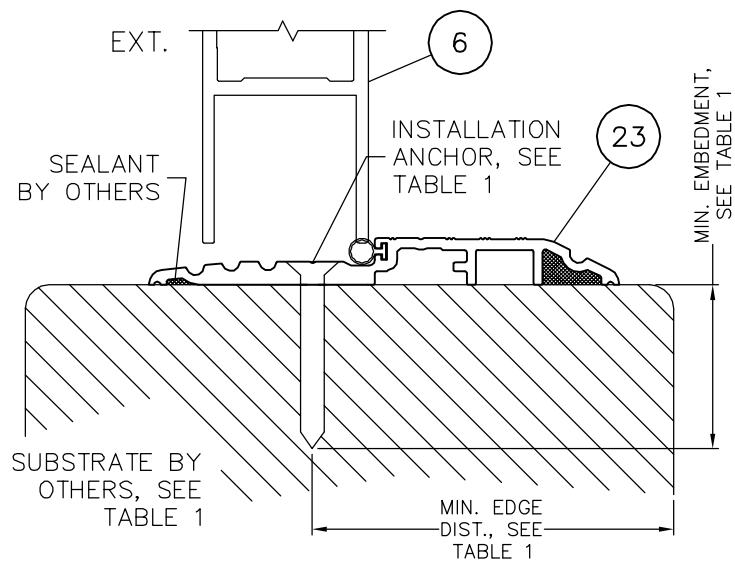
TYPICAL HEAD ANCHORAGE



TYPICAL JAMB ANCHORAGE



TYP. GLAZING DETAIL



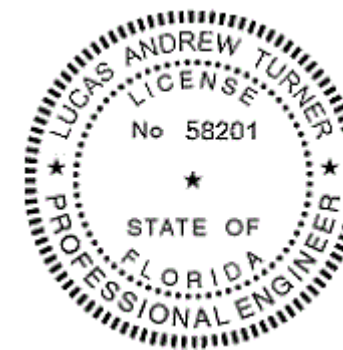
TYPICAL THRESHOLD ANCHORAGE

TABLE 1. QUALIFIED ANCHOR INFORMATION

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	CONCRETE OR GROUT-FILLED CMU (2850 PSI MIN)	1/4" ELCO COATED CARBON STEEL ULTRACON	1 3/4"	2 1/2"
B	CONCRETE OR GROUT-FILLED CMU (2000 PSI MIN)	1/4" ITW COATED CARBON STEEL TAPCON	1 1/2"	3"
C	SOLID UNCRACKED CONCRETE (3000 PSI MIN)	1/4" ITW 410 STAINLESS TAPCON	1 3/4"	2 1/2"
D	SOLID UNCRACKED CONCRETE (3000 PSI MIN)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
E	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
F	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	1/4" GRADE 5 LAG SCREW	1 3/8"	1"
G	16 GAUGE (0.060") MIN. STEEL STUD 33 KSI YIELD MIN.	1/4-14 ITW TEKS, ELCO DRIL-FLEX, OR HILTI-KWIK FLEX	SEE NOTE 5	1/2"
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI MIN.	1/4" GRADE 5 SELF-TAPPING / DRILLING SCREW	SEE NOTE 5	1/2"

ANCHORAGE NOTES:

- SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING APPLIED LOADS FROM THE PRODUCTS TO THE OPENING SUBSTRATES.
- SHIM EACH ANCHOR LOCATION WHERE GAP GREATER THAN 1/16" EXISTS BETWEEN PRODUCT FRAME AND OPENING SUBSTRATE.
- SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- MINIMUM ANCHOR SPACING SHALL BE 4"
- ANCHORS THROUGH METAL SHALL BE OF SUFFICIENT LENGTH TO PROVIDE THREAD ENGAGEMENT THROUGH THE FULL METAL WALL THICKNESS



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TUBELITE  
 STANDARD STILE  
 ENTRANCE DOORS  
 LARGE MISSILE IMPACT  
 W/ SINGLE PANE GLASS

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REVISION HISTORY:

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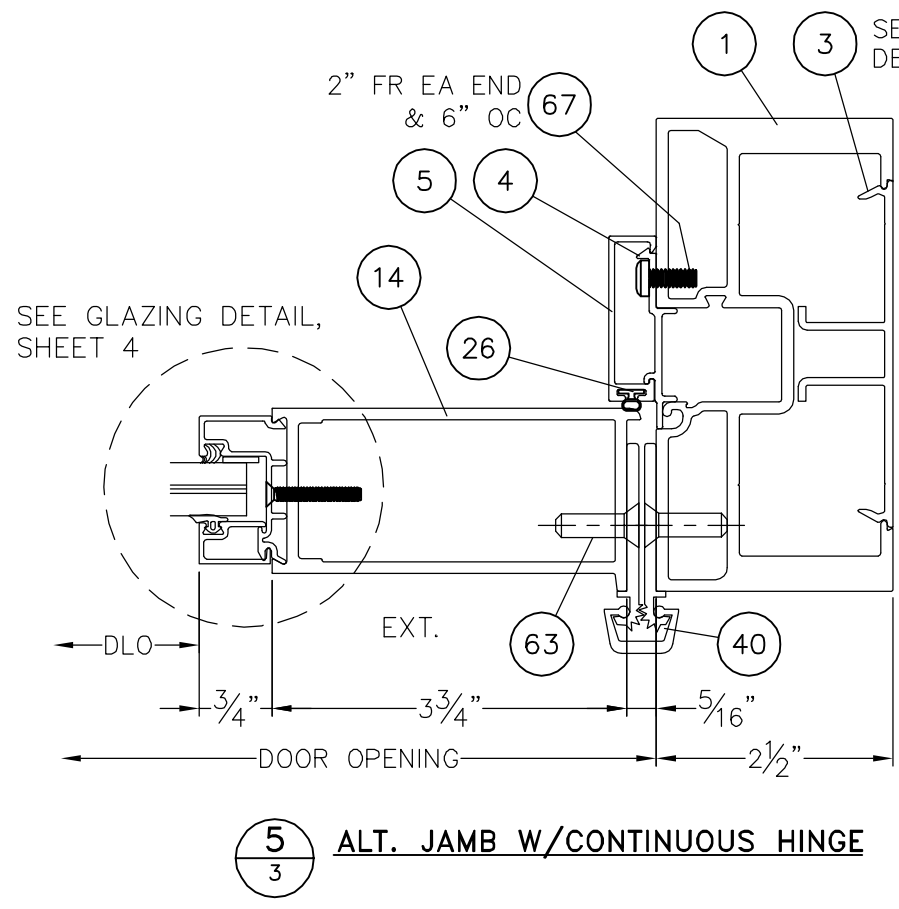
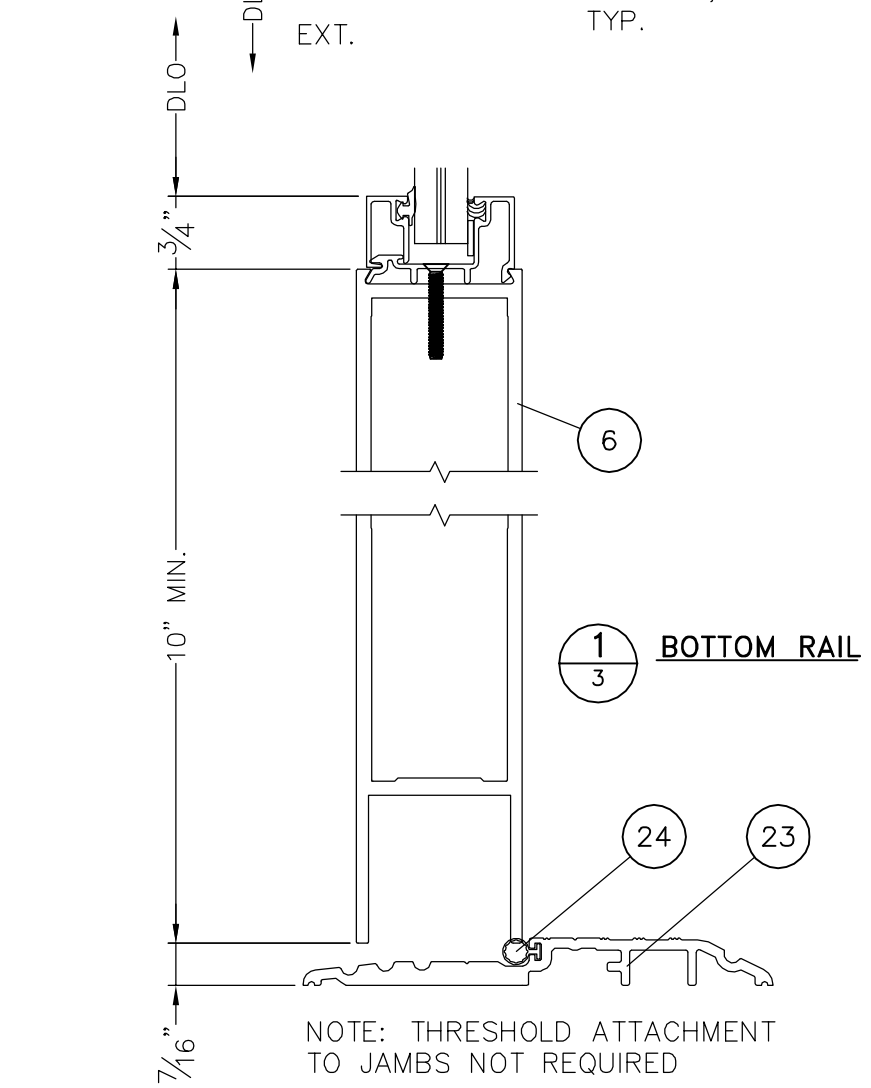
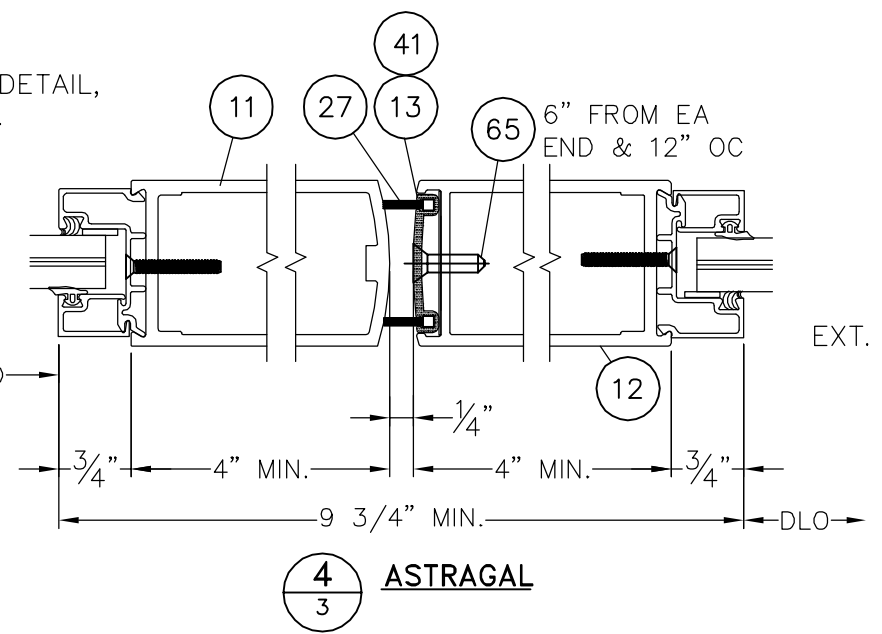
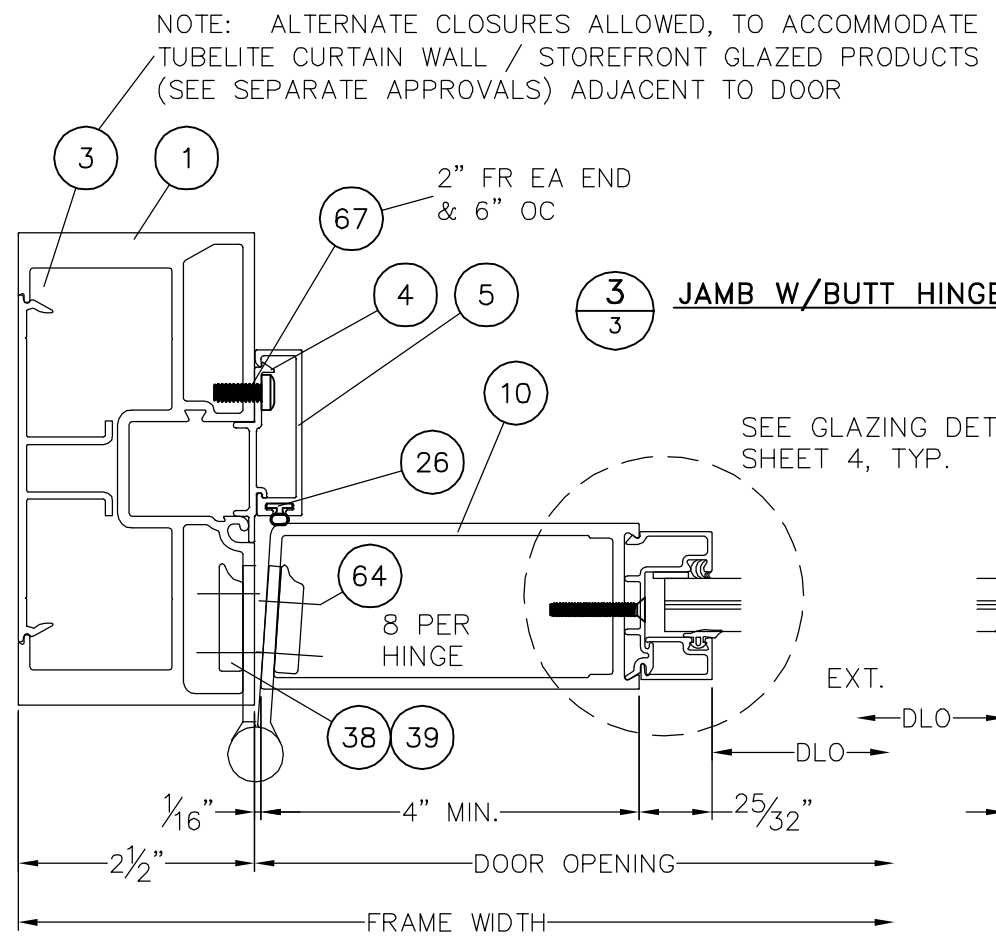
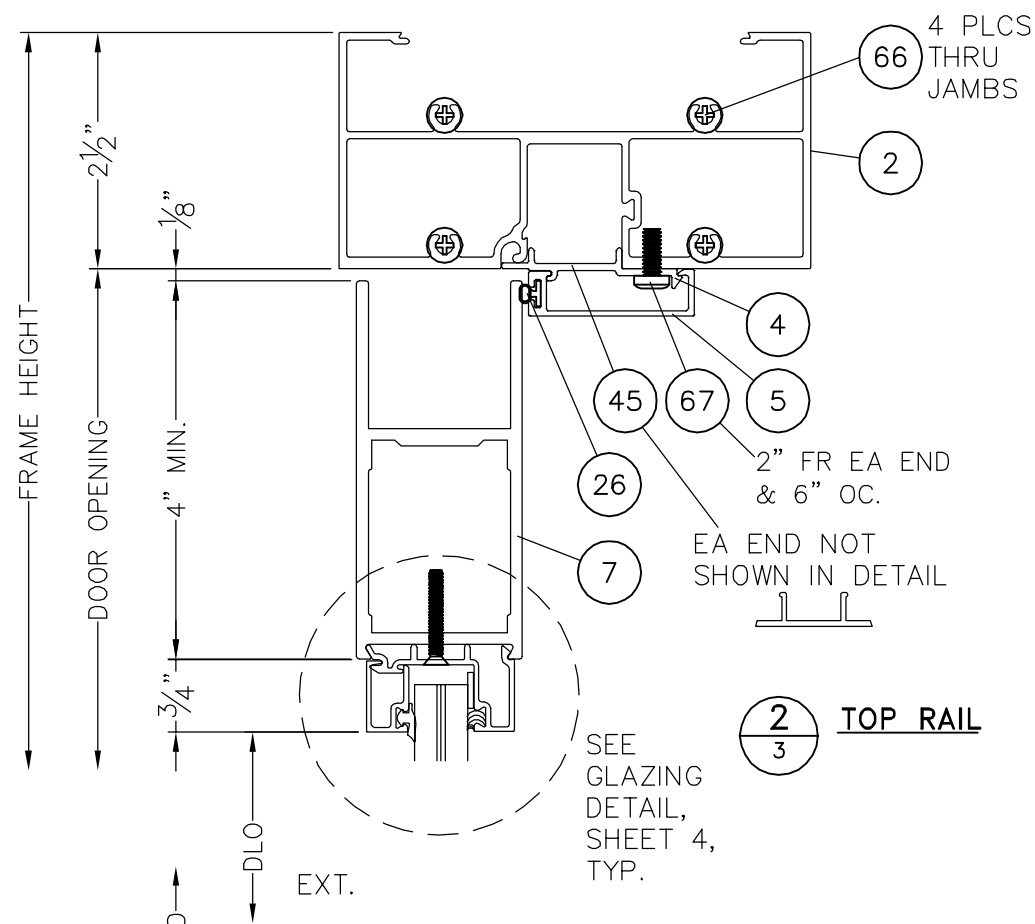
REVISION: A

SHEET NAME:

INSTALLATION, ASSEMBLY, GLAZING DETAIL

SHEET: 4 OF 7





NOTE: ALTERNATE CLOSURES ALLOWED, TO ACCOMMODATE TUBELITE CURTAIN WALL / STOREFRONT GLAZED PRODUCTS (SEE SEPARATE APPROVALS) ADJACENT TO DOOR

**TUBELITE**  
STANDARD STILE  
ENTRANCE DOORS  
LARGE MISSILE IMPACT  
W/ SINGLE PANE GLASS

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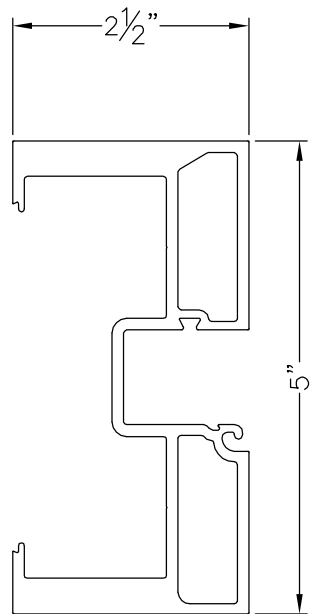


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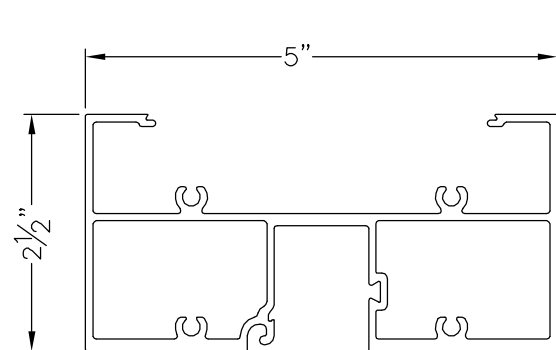
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REVISION HISTORY:	
REV	DESCRIPTION
0	ORIGINAL RELEASE
A	UPDATED HARDWARE

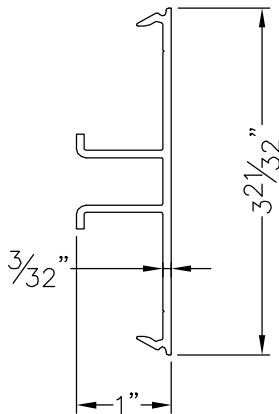
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DRAWING NUMBER: FPA-STD-MONO  
DRAWN: LT  
FINAL REVIEW: N.T.S.  
REVISION: A  
SHEET NAME: SECTION DETAILS  
SHEET: 5 OF 7



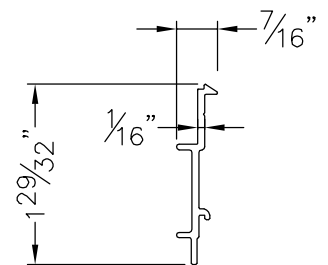
ITEM 1 - E44261  
DOOR JAMB



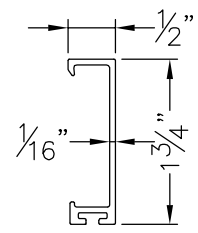
ITEM 2 - E44441  
DOOR HEADER



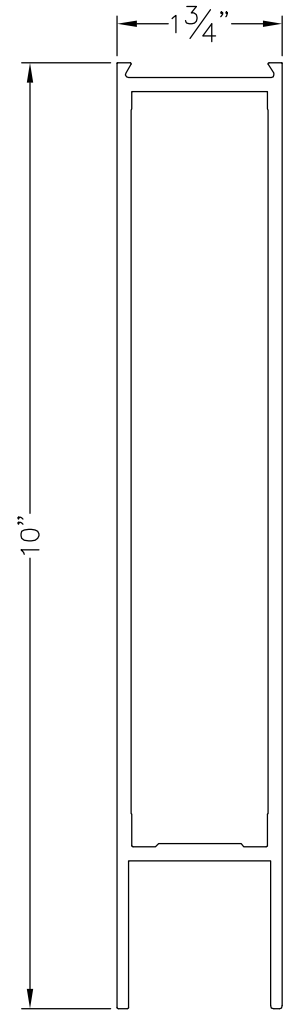
ITEM 3 - E44142  
DOOR JAMB FILLER



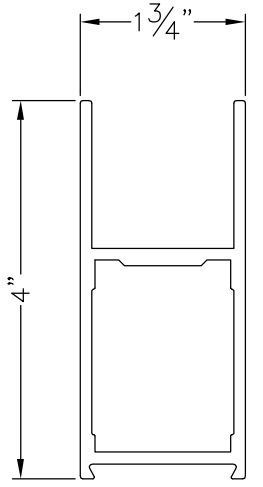
ITEM 4 - E6507  
INNER DOOR STOP



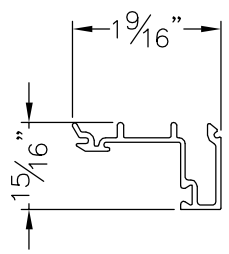
ITEM 5 - E6505  
OUTER DOOR STOP



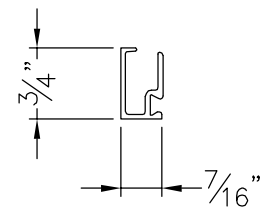
ITEM 6 - E2669  
BOTTOM RAIL



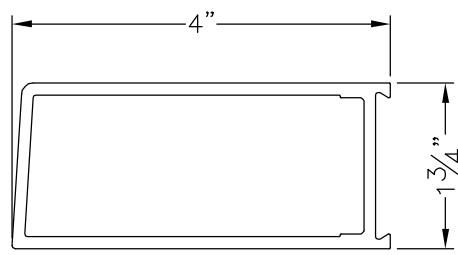
ITEM 7 - E0054  
TOP RAIL ~ MEDIUM STILE



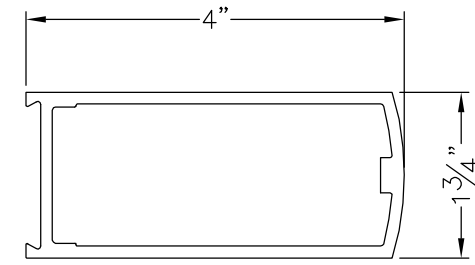
ITEM 8 - E6516  
GLASS STOP



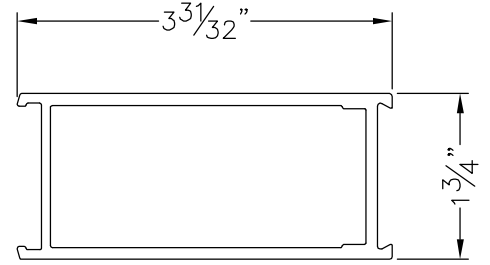
ITEM 9 - E6517  
SNAP IN GLASS STOP



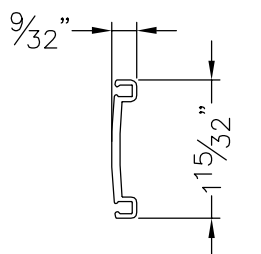
ITEM 10 - E0086  
MEDIUM STILE



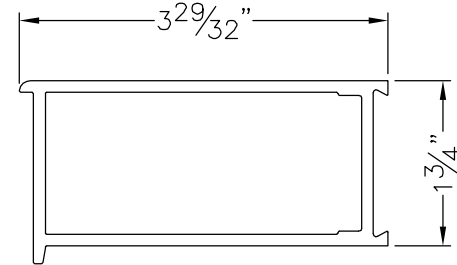
ITEM 11 - E0087  
MEDIUM ROUND FACE STILE



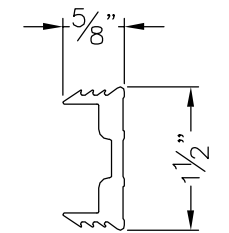
ITEM 12 - E1150  
MEDIUM STILE LOCK W/ASTRAGAL



ITEM 13 - E1152  
ASTRAGAL

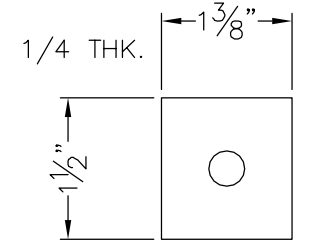


ITEM 14 - E0085  
MEDIUM STILE ~ CONT. HINGE

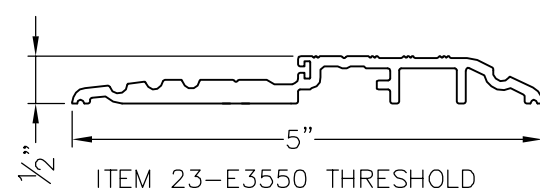


ITEM 16 - E0998 (P035M-OR)  
BOTTOM RAIL

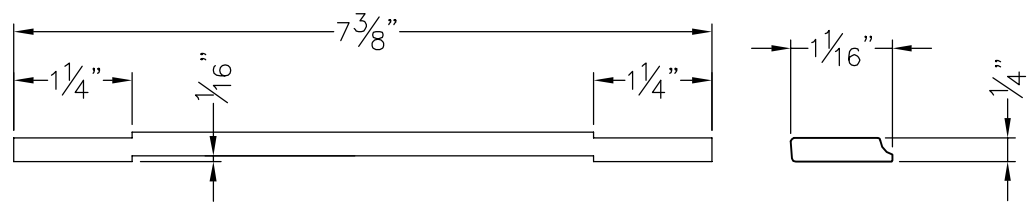
ITEM 17 - E0998 (P035C-OR)  
TOP RAIL DOOR LUGS



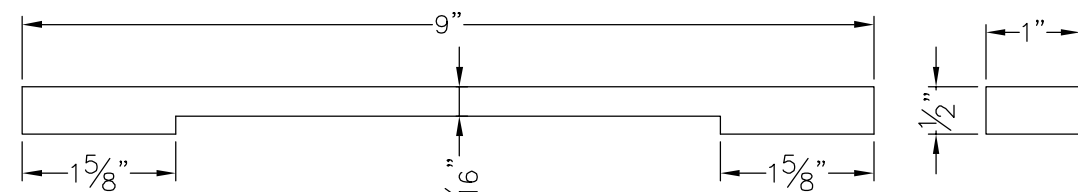
ITEM 19  
DOOR ROD WASHER



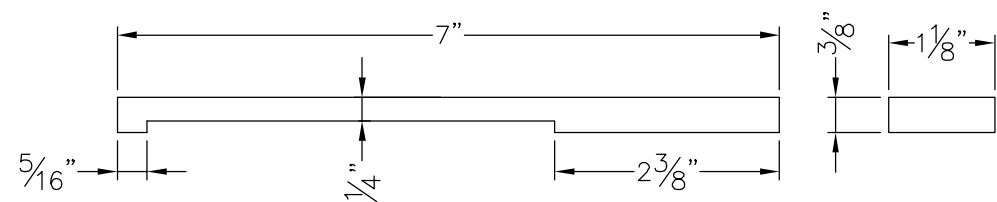
ITEM 23 - E3550  
THRESHOLD



ITEM 39 - P2093 BUTT HINGE REINFORCEMENT



ITEM 43 - P0360 INTERMEDIATE PIVOT REINFORCEMENT



ITEM 55 TOP PIVOT REINFORCEMENT



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 LEADERS IN ECO-EFFICIENT STOREFRONT  
 CURTAINWALL AND ENTRANCE SYSTEMS

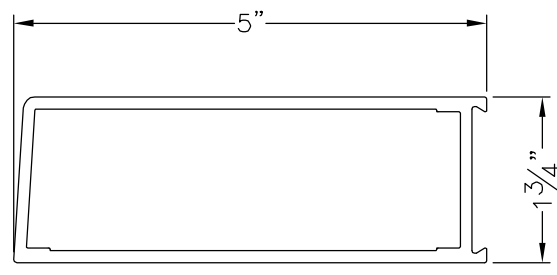
3056 WALKER RIDGE DRIVE N.W.  
 WALKER, MICHIGAN 49544  
 PH: 800.566.2227  
 FAX: 616.301.0005  
 WEB SITE: WWW.TUBELITEINC.COM

REVISION HISTORY:	
REV.	DESCRIPTION
0	ORIGINAL RELEASE
A	UPDATED HARDWARE

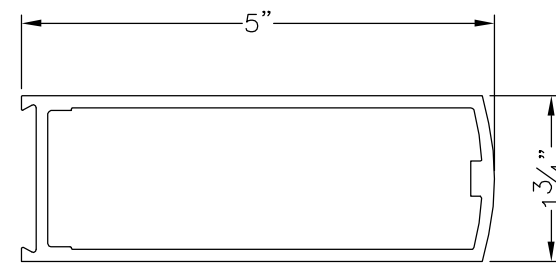
DATE: 08.25.16  
 DRAWING NUMBER: FPA-STD-MONO  
 DRAWN: LT  
 FINAL REVIEW:  
 SCALE: N.T.S.  
 REVISION: A  
 SHEET NAME: PROFILE DRAWINGS  
 SHEET: 6 OF 7

BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	MATERIAL
1	E44261	EXTRUSION ~ DOOR JAMB	ALUMINUM-6063-T6
2	E44441	EXTRUSION ~ DOOR HEADER	ALUMINUM-6063-T6
3	E44142	EXTRUSION ~ DOOR JAMB FILLER	ALUMINUM-6063-T6
4	E6507	EXTRUSION ~ INNER DOOR STOP	ALUMINUM-6063-T5
5	E6505	EXTRUSION ~ OUTER DOOR STOP	ALUMINUM-6063-T5
6	E2669	EXTRUSION ~ BOTTOM RAIL	ALUMINUM-6063-T5
7	E0054	EXTRUSION ~ MED. STILE TOP RAIL (WIDE OPT. SEE DWG BELOW)	ALUMINUM-6063-T5
8	E6516	EXTRUSION ~ GLASS STOP	ALUMINUM-6063-T6
9	E6517	EXTRUSION ~ SNAP IN GLASS STOP	ALUMINUM-6063-T5
10	E0086	EXTRUSION ~ MED. STILE (WIDE OPTIONAL, SEE DWG BELOW)	ALUMINUM-6063-T5
11	E0087	EXTRUSION ~ MED. ROUND FACE STILE (WIDE OPT. SEE DWG)	ALUMINUM-6063-T5
12	E1150	EXTRUSION ~ MED. STILE LOCK W/AST. (WIDE OPT, SEE DWG)	ALUMINUM-6063-T5
13	E1152	EXTRUSION ~ ASTRAGAL	ALUMINUM-6063-T5
14	E0085	EXTRUSION ~ MED. STILE CONT. HINGE (WIDE OPT. SEE DWG)	ALUMINUM-6063-T5
16	P035M-OR	DOOR LUG (E0998) <span style="float:right">BOTTOM RAIL TO STILES</span>	ALUMINUM-6063-T5
17	P035C-OR	DOOR LUG (E0998) <span style="float:right">TOP RAIL TO STILES</span>	ALUMINUM-6063-T5
18	S071	3/8-16 HEX NUT W/LOCK WASHER <span style="float:right">STILES TO RAILS</span>	P-PART FASTENER
19	NA	DOOR ROD WASHER <span style="float:right">STILES TO RAILS</span>	ALUMINUM-6063-T5
20	NA	3/8-16 THREADED ROD <span style="float:right">STILES TO RAILS</span>	P-PART FASTENER
23	E3550	EXTRUSION ~ THRESHOLD	ALUMINUM-6063-T6
24	P3450	BULB GASKET @ THRESHOLD	P-PART-PLASTIC/FAB
26	P6296-OR	BULB GASKET (EPG 5319)	P-PART-RUBBER
27	P938	PILE ~ WOOL PILE FOR ADJUSTABLE ASTRAGAL SCHLEGE PILE WEATHERING #364-1006-5101	P-PART-PLASTIC FABRIC
28	P0017	GLAZING GASKET (TREMCO P/N 00218047E6Z)	P-PART-RUBBER
29	NA	GLAZING TAPE 1/8" x 3/8" CONTINUOUS (TREMCO SGT) GLAZING TAPE	GLAZING
30	BY OTHERS	DOW 983 BLACK	SEALANT
31	TBA	SETTING BLOCK 1/4x1x4	P-PART-RUBBER
38	P094	BUTT HINGE HAGAR RCBB-1199	P-PART-HARDWARE
39	P2093	BUTT HINGE REINFORCEMENT	P-PART-HARDWARE
40	P6563	SELECT SL11HD CONTINUOUS HINGE	P-PART-HARDWARE
41	P1539	SPRING STEEL ASTRAGAL, ADJUSTABLE DOOR	P-PART-HARDWARE
44	P518	DOOR LABEL, GREEN BRUSHED SILVER (NOT SHOWN)	P-PART-LABEL
45	P503	FILLER	P-PART-ALUM-6063-T5

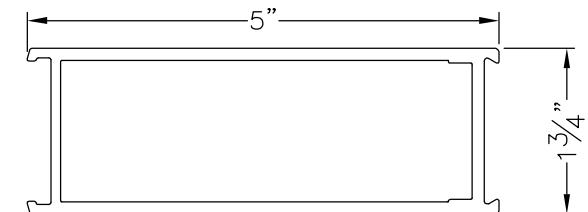
BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	MATERIAL
61	S6504	SCREW ~ #6-32 x 1" FT HD PHIL TYPE F (GLASS STOP/DR STOP))	P-PART-FASTENER
62	S055	SCREW ~ #12 x 3" FLAT HD PHIL (THRESHOLD TO WOOD)	P-PART-FASTENER
63	NA	SCREW ~ FLAT HD UC SD SUPPLIED W/HINGE (CONTINUOUS HINGE ATT.)	P-PART-FASTENER
64	S070	SCREW ~ #12-24 x 1/2 FLAT HD PHIL (HINGE ATTACHMENT)	P-PART-FASTENER
65	S341	SCREW ~ #10-24 x 3/4" FLAT HD PHIL (ASTRAGAL)	P-PART-FASTENER
66	S419	SCREW ~ #12-14 x 1 1/2" HWH SD #3PT (FRAME TO FRAME)	P-PART-FASTENER
67	S206	SCREW ~ #10-24 x 1/2" P PH TYPE F (DR STOP TO FRAME)	P-PART-FASTENER
68	S293	SCREW ~ #10-24 X 3/8" SELF TAPPING P HD(DR ANCHOR CLIP TO DR)	P-PART-FASTENER
69	S070	SCREW ~ #12-24 x 1/2" PHIL FH UC MS (THRESHOLD TO DR ANCHOR CLIP)	P-PART-FASTENER
70	P1564-C2	P1564-C2 PULL (ROCKWOOD)	P-PART-HARDWARE
71	NA	30-821J CYLINDER KIT FIN -628 RHR (JACKSON)	P-PART-HARDWARE
72	P3449C-48-C2	VON DUPRIN 9949/9949 SERIES - FOR 48" WIDE DOOR (3449475CL)	P-PART-HARDWARE
73	P3492C-48-C2	FIRST CHOICE FL3600 SERIES-FOR 48" WIDE DOOR (3492475CL)	P-PART-HARDWARE
74	P3693A	EXTENSION ROD (NOT SHOWN, USE W/ITEM 73)	P-PART-HARDWARE
75	P6533	MS 1881 ADAMS-RITE TWO POINT FLUSH BOLT	P-PART - HARDWARE
76	P1010	ADAMS RITE 4015 BOLT & BOLT GUIDE, THRESHOLD (DOOR)	P-PART - HARDWARE
77	P6509	ADAMS-RITE 4016-10 HEADER BOLT/GUIDE (DOOR)	P-PART - HARDWARE
78	P6508	ADAMS-RITE MS1853S-410-000 ADAMS-RITE (DOOR)	P-PART - HARDWARE
79	P059	STANDARD FLUSH BOLT INTERNATIONAL F1203 (DOOR)	P-PART - HARDWARE
80	P1010-OR	P1010-OR TWO POINT THOLD BOLT (ADAMS RITE)	P-PART-HARDWARE
81	P572	CYLINDER PARTS, P572-C2 (DOOR)	P-PART - HARDWARE
82	P1564	BF156 PULL BAR, ROCKWOOD (DOOR)	P-PART - HARDWARE
83	P6510	BF15747 PUSH/PULL BAR SET, 33" ROCKWOOD (DOOR)	P-PART - HARDWARE
84	NA	LOCK CVR-FALCON HSEC 1690	P-PART-FASTENER
85	NA	LOCK SARGENT MD8600	P-PART-FASTENER
86	NA	2086-47 X 96 CVR PANIC FIN-628 LHR (JACKSON)	P-PART-FASTENER
87	NA	G86 (ADAMS RITE)	P-PART-FASTENER
88	NA	30-1084 TOP & BOTTOM STRIKE (JACKSON)	P-PART-FASTENER
89	P695A	HINGE TOP FRAME OFFSET PIVOT RIXON 180	P-PART-HARDWARE
90	P695B	HINGE TOP DOOR OFFSET PIVOT RIXON 180	P-PART-HARDWARE
91	P695C	HINGE BOTTOM DOOR OFFSET PIVOT RIXON 147	P-PART-HARDWARE
92	P695	HINGE FLOOR OFFSET PIVOT RIXON 147	P-PART-HARDWARE
93	P751	HINGE INTERMEDIATE OFFSET PIVOT RIXON M19L	P-PART-HARDWARE
94	P0360	INTERMEDIATE PIVOT REINFORCEMENT	P-PART-HARDWARE
96	NA	EXTRUSION ~ TOP HINGE REINFORCEMENT	ALUMINUM-6063-T5



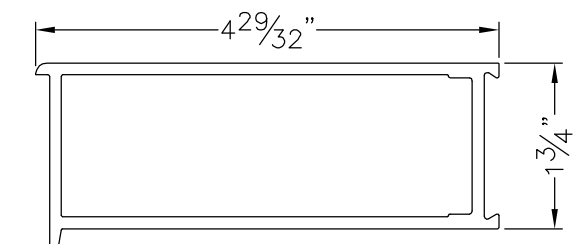
ITEM 10 OPTION -E0416  
WIDE STILE ALUM. 6063-T5



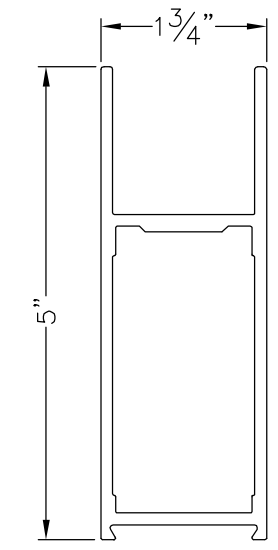
ITEM 11 OPTION -E0417  
WIDE ROUND FACE STILE  
ALUM. 6063-T5



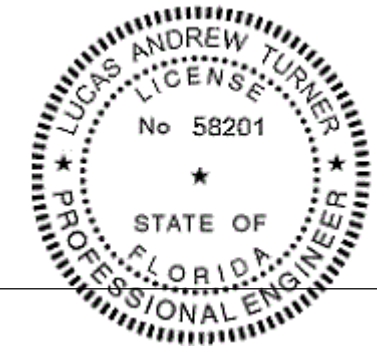
ITEM 12 OPTION -E1151  
WIDE STILE LOCK W/ASTRAGAL  
ALUM. 6063-T5



ITEM 14 OPTION -E0415  
WIDE STILE ~ CONT. HINGE  
ALUM. 6063-T5



ITEM 7 OPTION -E0318  
TOP RAIL ~ WIDE STILE  
ALUM. 6063-T5



**22**  
10/13/2017  
LUCAS A. TURNER, P.E.  
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TURNER ENGINEERING &  
CONSULTING, INC.  
(COA # 29779)  
1239 JABARA AVE.  
NORTH PORT, FL 34288  
PH. 941-380-1574

**TUBELITE**  
STANDARD STILE  
ENTRANCE DOORS  
LARGE MISSILE IMPACT  
W/ SINGLE PANE GLASS

**TUBELITE**  
DEPENDABLE  
LEADERS IN ECO-EFFICIENT STOREFRONT  
CURTAINWALL AND ENTRANCE SYSTEMS

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WALKER, MICHIGAN 49544  
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REVISION HISTORY:		
REV	DATE	DESCRIPTION
0	8.25.16	ORIGINAL RELEASE
A	10.12.17	UPDATED HARDWARE

DATE:	08.25.16
DRAWING NUMBER:	FPA-STD-MONO
DRAWN:	LT
FINAL REVIEW:	
SCALE:	N.T.S.
REVISION:	A
SHEET NAME:	BILL OF MATERIALS
SHEET:	7 OF 7