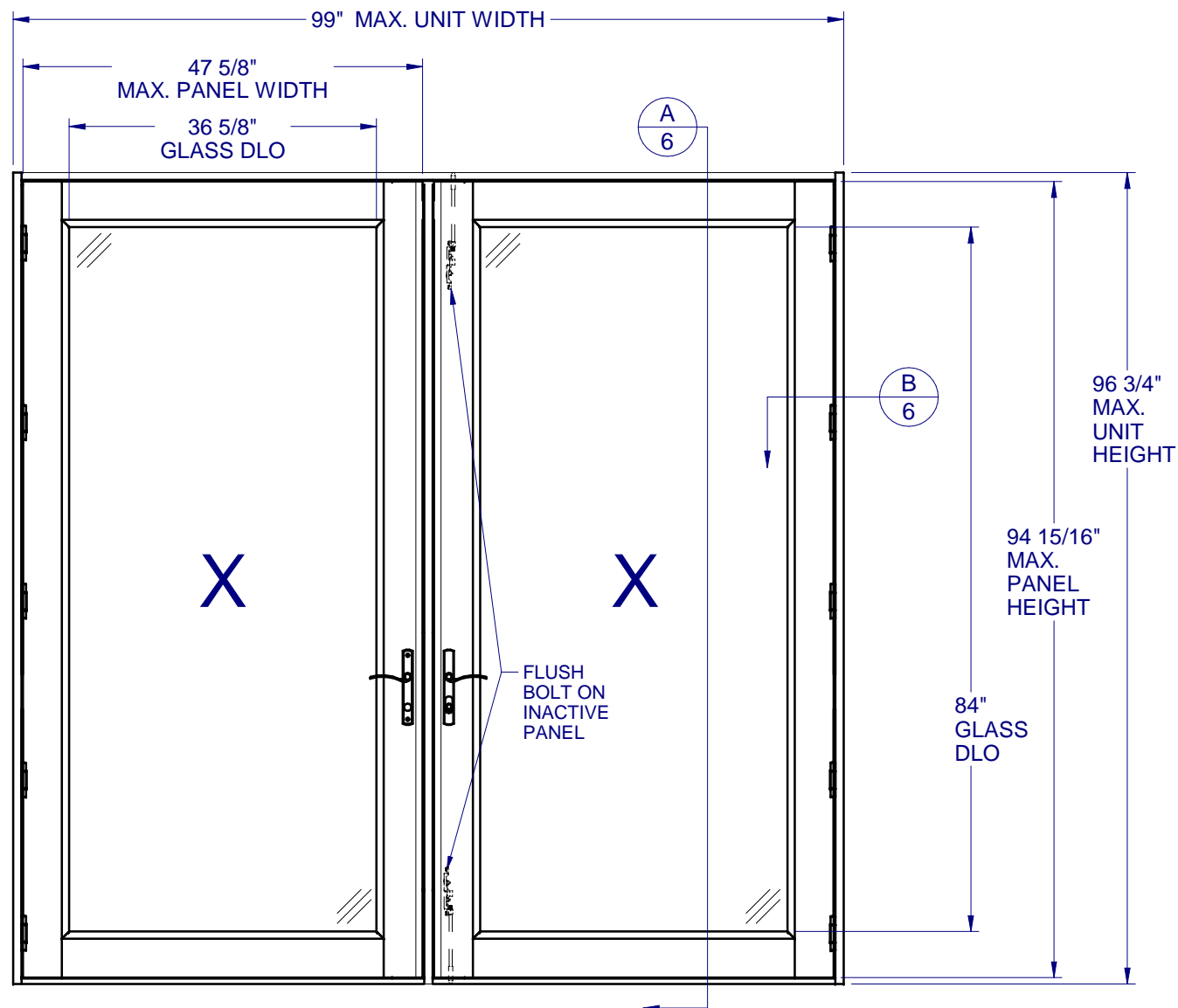


MODEL 8750 SYSTEM 1 FRENCH DOOR - IMPACT



SYSTEM 1
(CAR 138-277/138-744)

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GENERAL NOTES & ELEVATIONS.....	1
SECTION VIEWS & GALZING DETAIL.....	2
BOM.....	3
EXTRUSIONS.....	4
ANCHOR DETAIL & NOTES.....	5
INSTALLATION DETAILS.....	6

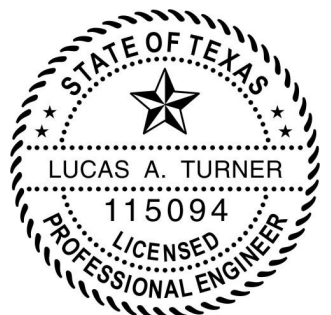
GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND INTERNATIONAL RESIDENTIAL CODE (IRC), WITH TEXAS REVISIONS EFFECTIVE JANUARY 1, 2008.
2. GLAZING DETAIL: (SEE SHEET 2)
3. APPROVED CONFIGURATIONS: FRENCH DOOR
4. LOCK OPTIONS:
 - * UP TO 6'8": MULTIPOINT(4PT)(HANDLE SET).
 - * ABOVE 6'8": MULTIPOINT(5PT)(HANDLE SET).
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR INSTALLATION DETAIL. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. PRODUCT APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT RQUIRED.
7. ALL FRAMES ARE PROCESSED AND SCREWED TOGETHER. VENTS ARE PROCESSED ASSEMBLED VIA TIE RODS.
8. SERIES / MODEL DESIGNATION: FD-8750.
9. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS.
10. INTERIOR FLUSH BOLTS ON ACTIVE PANEL TO BE ENGAGED DURING SEVERE WEATHER.

Custom
WINDOW SYSTEMS
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8750 PVC FRENCH DOOR IMPACT

NO.:	DESCRIPTION:	BY:	DATE:



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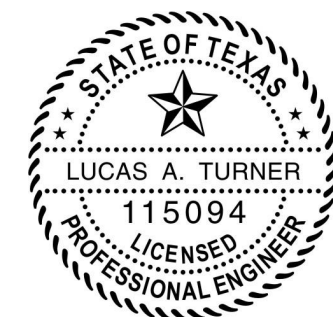
LUCAS A. TURNER, P.E.
TX PE # 115094
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
**GENERAL NOTES AND
ELEVATIONS**

DRAWN BY:	DATE:
EMK	11/13/15
DWG #:	REV.:
TDI-839	-
SCALE:	SHEET
1:20	1 OF 6

**8750 PVC
FRENCH DOOR
IMPACT**

NO.:	DESCRIPTION:	BY:	DATE:



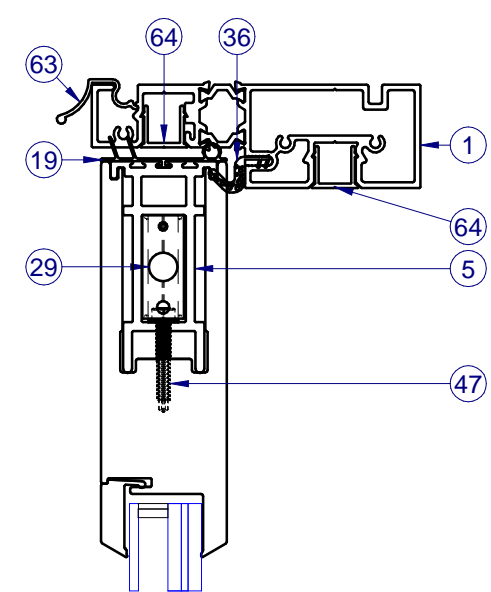
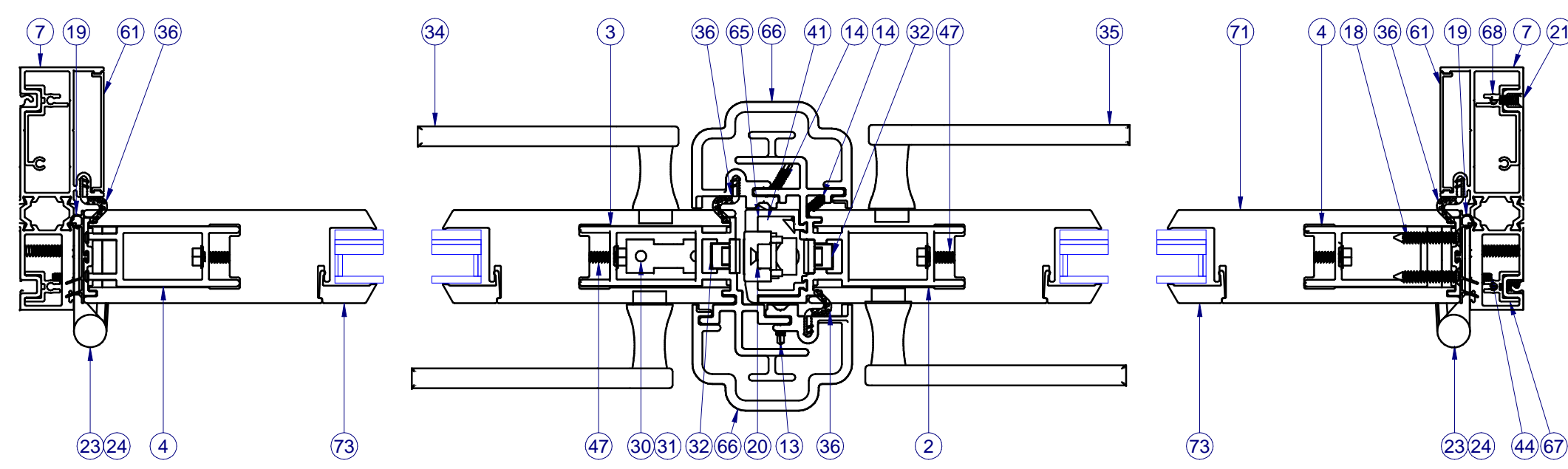
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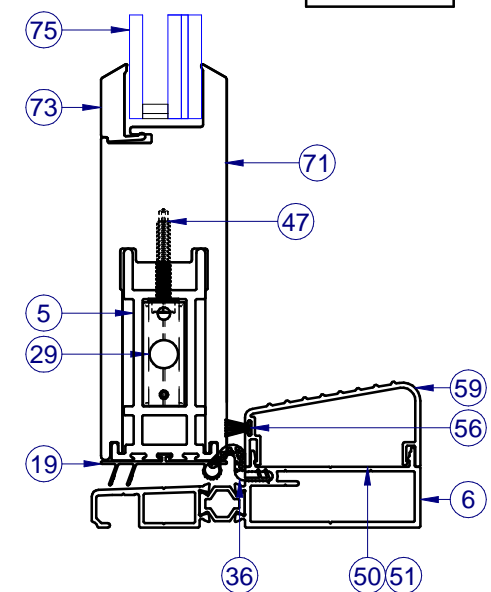
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**SECTION VIEWS AND
GLAZING DETAIL**

DRAWN BY: EMK	DATE: 11/13/15
DWG #: TDI-839	REV.: -
SCALE: 1:2.67	SHEET 2 OF 6

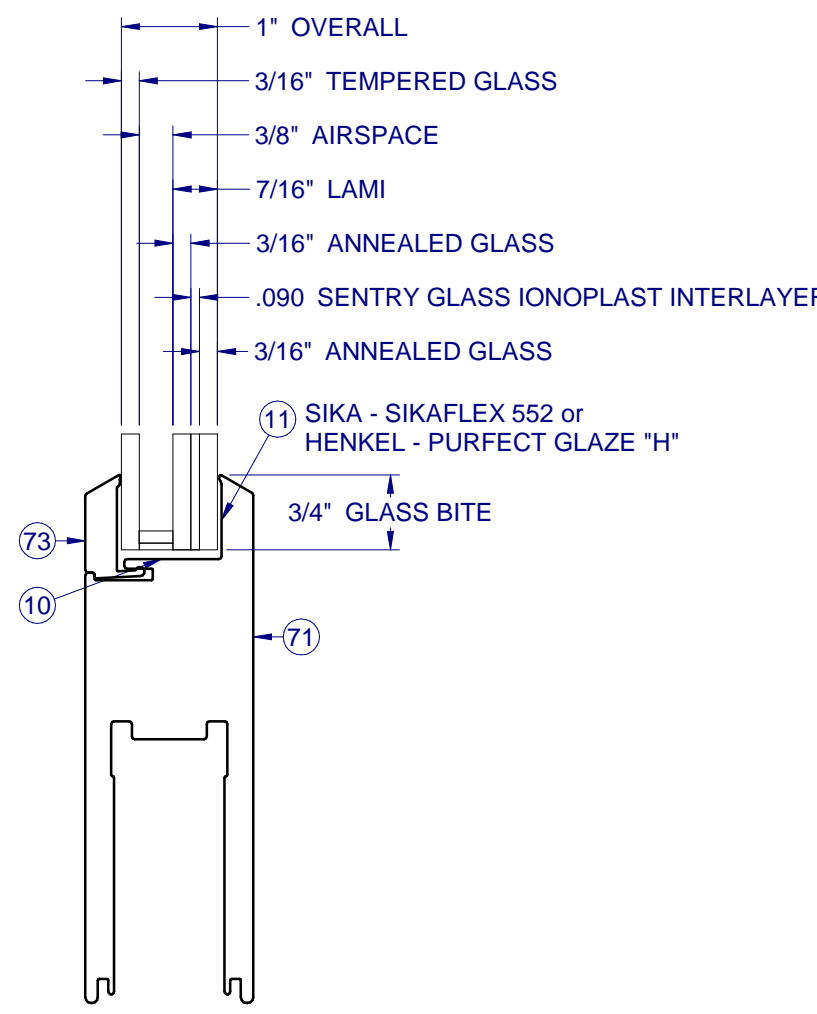
INTERIOR



INTERIOR



ITEMS NOT SHOWN FOR CLARITY:
10-12, 17, 22, 26-28, 37-38, 43, 54, 76, 77

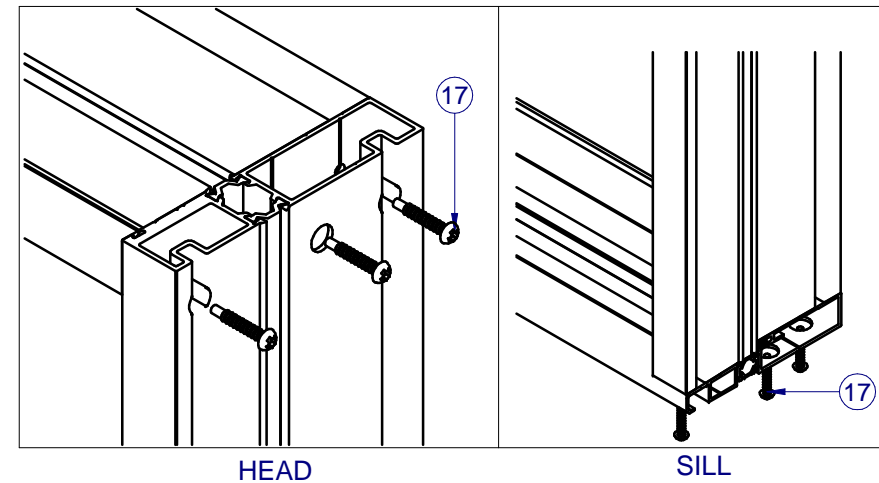


1:2

PARTS LIST				
ITEM	PART NO.	DESCRIPTION	MATERIAL	VENDOR
1	H-1833	MAIN FRAME, HEAD	ALUM	KEYMARK
2	H-1847	ASTRAGAL, INACTIVE, FD, PVC	ALUM	KEYMARK
3	H-1846	ASTRAGAL, ACTIVE, FD, PVC	ALUM	KEYMARK
4	H-1825	REINFORCEMENT, VERT.	ALUM	KEYMARK
5	H-1845	REINFORCEMENT, HORIZ	ALUM	KEYMARK
6	H-1878	MAIN FRAME, SILL	ALUM	KEYMARK
7	H-1880	MAINFRAME, JAMB	ALUM	KEYMARK
10	P-3039	SETTING BLOCK, 1/8 X 1 X 2		FRANKLOWE
11		SIKAFLEX 552 or PURFECT GLAZE "H"		SIKA - HENKEL
12	P-3503	SCREW #8 X 1/2" PH TRUSS SS @ ASTRAGAL CAP		FASTENAL
13	P-3511	SCREW #8 x 5/8" SQ. PAN TEK @ TIEROD BRKT		FASTENAL
14	P-3587	SCREW #8 X 1", PH FLAT TEK @ ASTRAGAL, INSERT, LOCK		FASTENAL
17	P-4144	SCREW #8 X 1", PH PAN SMS @FRAME ASSEM.		FASTENAL
18	P-4522	SCREW #10 X 1-1/4", PH FLAT SMS HINGE @PANEL		FASTENAL
19	P-4774B	WSTP, BULB/LEAFS, PANEL		AMESBURY
20	P-4790	FLUSH BOLT, ASSM, TOP/BTM		SULLIVAN
21	P-4794	SCREW #8 x 5/8" SQ.FLAT TEK @ INSERT ATTACH		FASTENAL
22	P-4802	ALL THREADED ROD (TIE ROD)		McMASTER
23	P-4807	HINGE, GUIDE		HOPPE
24	P-4808/9	HINGE, SET		HOPPE
26	P-4863	LOCK STRIKE PLATE		PADDOCK
27	P-4864	RHINO STRIKE PLATE		PADDOCK
28	P-4866A	GUIDE, TIE ROD	NYLON	M&M
29	P-4871	TIE ROD BRACKET	ZINC	SULLIVAN
30	P-4885	SHOOT BOLT, TOP		PADDOCK
31	P-4886	SHOOT BOLT, BOTTOM		PADDOCK
32	P-4851	LOCKBAR, INACTIVE, 8 FT		PADDOCK
33	P-4884	LOCKBAR, MULTI-POINT, 5PT, 8 FT		PADDOCK
34	P-4903	HANDLE SET, ACTIVE		PADDOCK
35	P-4905	HANDLE SET, INACTIVE		PADDOCK
36	P-4913	WSTP, .50X.50 FOLDED BULB SEAL, @ DOOR		SCHELGEL
37	P-4917	CAP, ASTRAGAL, OUTSIDE	NYLON	M&M
38	P-4925	CAP, ASTRAGAL, INSIDE	NYLON	M&M
41	P-4889	GUIDE, SHOOT BOLT	NYLON	M&M
43	P-4933	NUT, 3/8"-16 FLANGED W/ SERRATED LIP, SS, @ PANEL		McMASTER
44	P-4934	SCREW, #12-24 X 1/2", PH FLAT, MS, @ HINGE		FASTENAL
47	P-4969	SCREW, #10 X 2" REINF. ATTACH.		FASTENAL
49	P-5127	SCREW, #12 X 2", PH PAN, SMS, ANCHOR		FASTENAL
50	P-5130	GASKET, DOOR SILL, FRONT	FOAM	HO PRODUCTS
51	P-5131	GASKET, DOOR SILL, BACK	FOAM	HO PRODUCTS
54	P-5157	SCREW #10-24 x 1/2", FI Undercut PH, 18-8SS @ KEEPER		FASTENAL
56	P-5172	WSTP, .370 X .187, TRI FIN, BLACK		
57	P-5174	SCREW #8 X 3/4" HEX WASHER HEAD, @ FRAME		FASTENAL
59	S-1783	THRESHOLD, HIGH RISE	ALUM	KEYMARK
61	S-1806	COVER, JAMB, ANCHOR	ALUM	KEYMARK
63	S-1817	DRIP CAP	ALUM	KEYMARK
64	S-1840	COVER, HEAD, ANCHOR	ALUM	KEYMARK
65	S-1849	INSERT, INACTIVE PNL, LOCK HARDWARE		KEYMARK

NOTE: ITEMS 8-9, 15-16, 25, 39-40, 42, 45-46, 48, 52-53, 55, 58, 60, 62, 69-70, 72, 74 ARE NOT USED

PARTS LIST CONT.				
ITEM	PART NO.	DESCRIPTION	MATERIAL	VENDOR
66	S-1848	COVER, ASTRAGAL, FD	ALUM	KEYMARK
67	S-1864	INSERT, FRONT, BTM ATTACH SILL	ALUM	KEYMARK
68	S-1865	INSERT, BACK, BTM ATTACH SILL	ALUM	KEYMARK
71	S-6083	PANEL, TOP/BTM RAIL, SIDES - DOOR	PVC	MIKRON
73	S-6084	GLAZING BEAD (1")	PVC	MIKROC
75	GLASS	SEE SHEET 2		
76	P-4899	PLATE, FLUSH/SHOOT BOLT, TOP	ALUM	KEYMARK
77	P-4900	PLATE, FLUSH/SHOOT BOLT, BTM	ALUM	KEYMARK



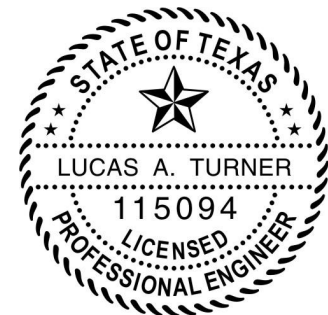
ALL FRAMES ARE MECHANICALLY FASTENED



1900 SW 44TH AVE.
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8750 PVC FRENCH DOOR IMPACT

NO.:	DESCRIPTION:	BY:	DATE:



22
9/29/2016

LUCAS A. TURNER, P.E.
TX PE # 115094
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

BOM

DRAWN BY:	DATE:
EMK	11/13/15
DWG #:	REV.:
TDI-839	-
SCALE:	SHEET
1:4	3 OF 6

**8750 PVC
FRENCH DOOR
IMPACT**

NO.:	DESCRIPTION:	BY:	DATE:

REVISIONS



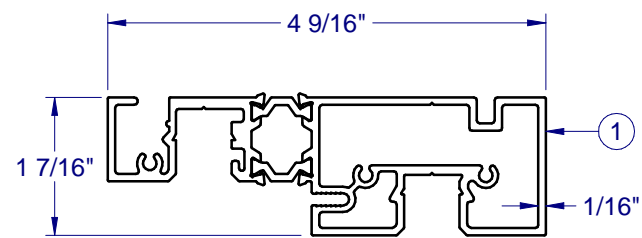
22
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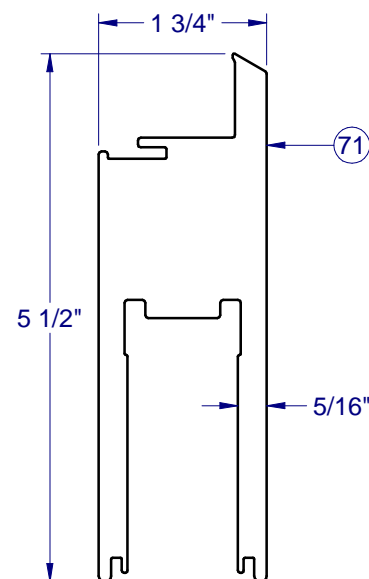
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EXTRUSIONS

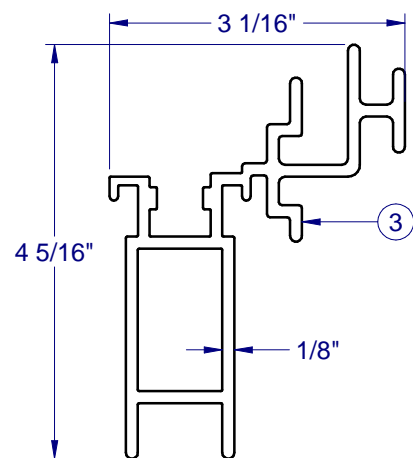
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EMK	11/13/15
DWG #:	REV.:
TDI-839	-
SCALE:	SHEET
1:2	4 OF 6



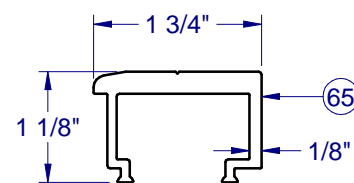
DOOR HEAD - 1833



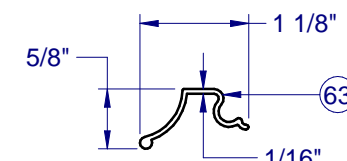
PVC DOOR PANEL - 6083



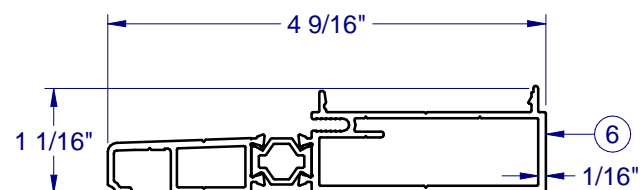
REINF. ACTIVE PANEL - 1846



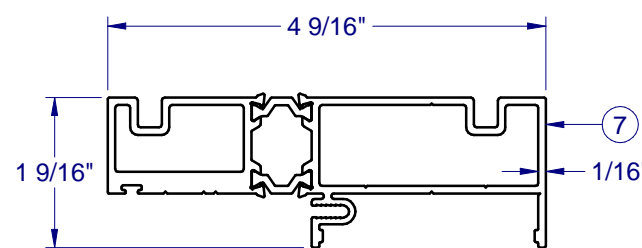
INSERT INACTIVE PNL - 1849



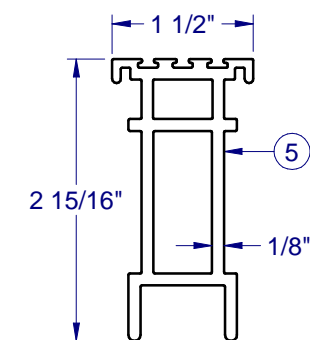
DRIP CAP - 1817



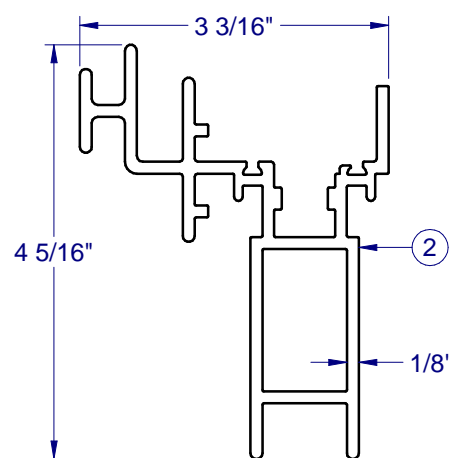
DOOR SILL - 1878



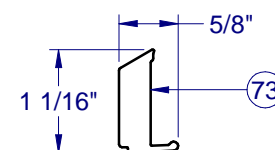
DOOR JAMB - 1880



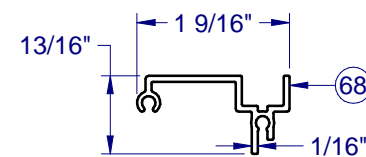
REINF. HORZ. - 1845



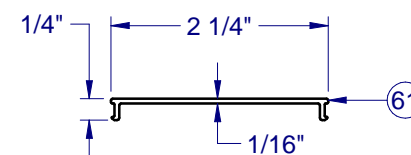
REINF. INACTIVE PANEL - 1847



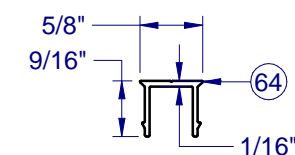
PVC GLAZING BEAD - 6084



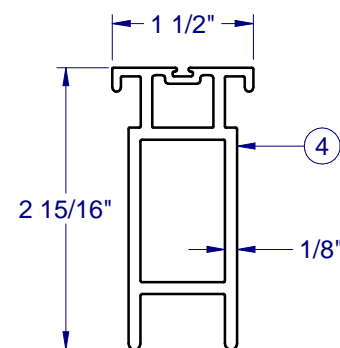
INSERT, BACK - 1865



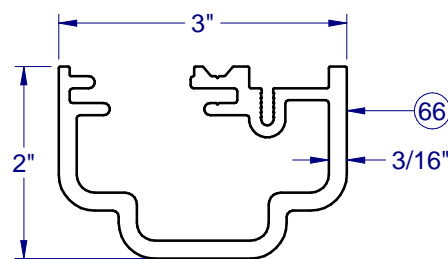
FRAME JAMB COVER - 1806



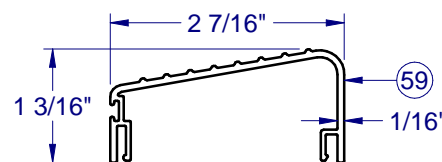
HEAD COVER - 1840



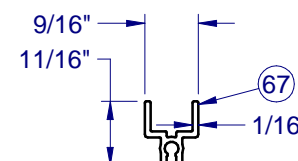
REINF. VERT. - 1825



ASTRAGAL COVER - 1848



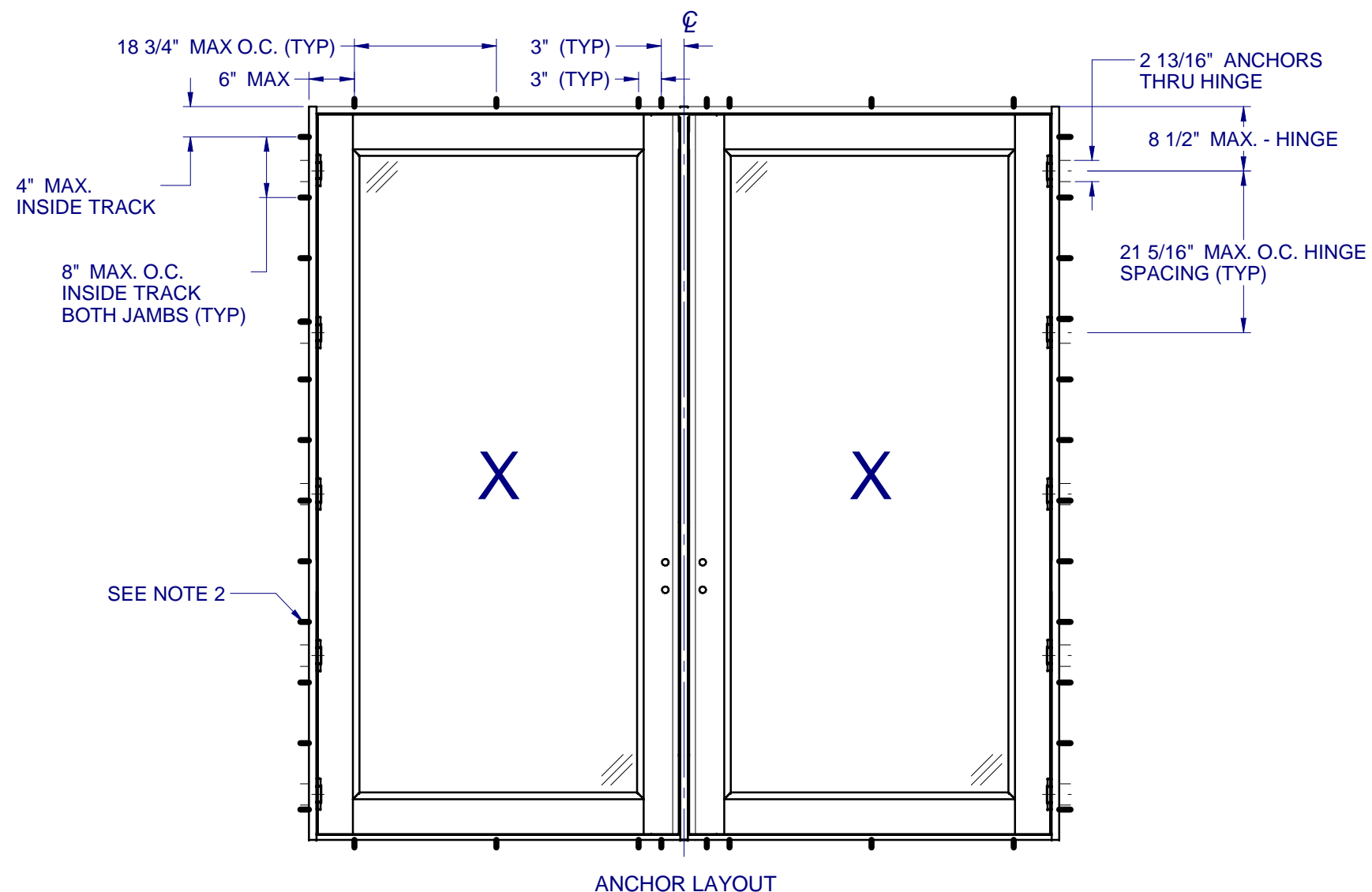
THRESHOLD - 1783



INSERT, FRONT - 1864

NOTE: ALL EXTRUSIONS ARE 6063-T6 ALUMINUM UNLESS OTHERWISE NOTED.

**8750 PVC
FRENCH DOOR
IMPACT**



ANCHOR LAYOUT

NOTES:

1. INSTALL ONE ANCHOR AT EACH JAMB LOCATION AND NSTALL TWO ANCHORS AT EACH HEAD & SILL LOCATION, SEE SHEET 6 FOR DETAILS. BOTH INSIDE TRACK ANCHORS AND HINGE ANCHORS ARE REQUIRED ON BOTH JAMBS. SILL ANCHOR SPACING SAME AS HEAD.
2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 6.
4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 6.
6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND THE SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
7. A MINIMUM 2-5/16" CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL MASONRY FASTENERS AT THE HEAD AND SILL, 2-7/16" MIN. SHALL BE MAINTAINED AT THE HINGES, 3" MIN. SHALL BE MAINTAINED AT THE JAMBS AND ALL OTHER ANCHORS. A MINIMUM 1" CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL WOOD AND METAL FASTENERS.
8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE1, SHEET 8. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS:
FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

NO.:	DESCRIPTION:	BY:	DATE:



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9/29/2016

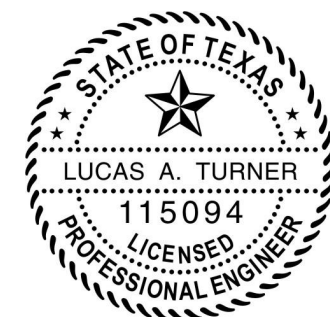
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TX PE # 115094
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
ANCHOR SCHEDULE AND NOTES

DRAWN BY: EMK	DATE: 11/13/15
DWG #: TDI-839	REV.: -
SCALE: 1:20	SHEET 5 OF 6

**8750 PVC
FRENCH DOOR
IMPACT**

NO.:	DESCRIPTION:	BY:	DATE:



LT
9/29/2016

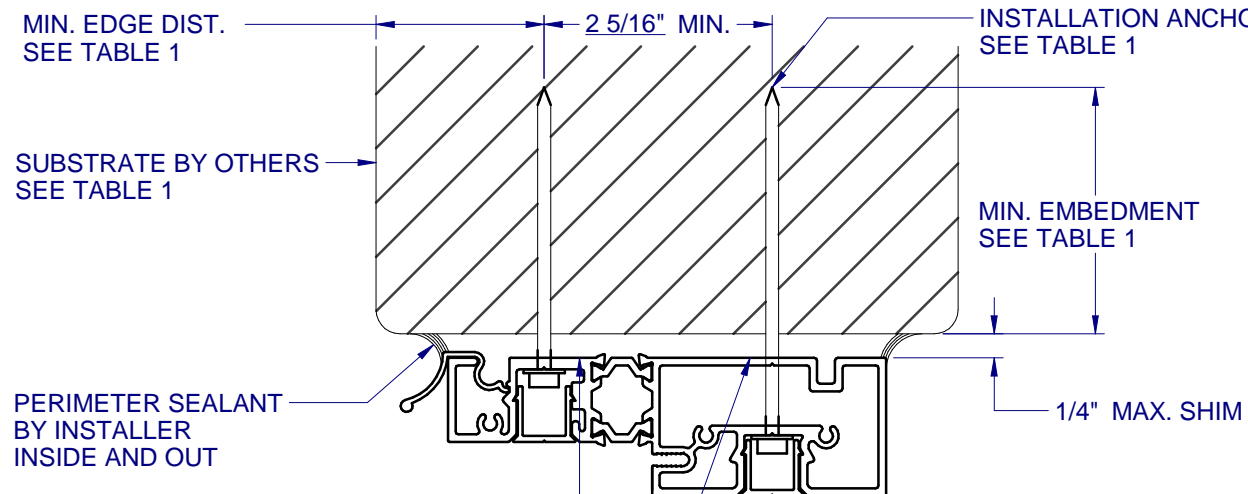
LUCAS A. TURNER, P.E.
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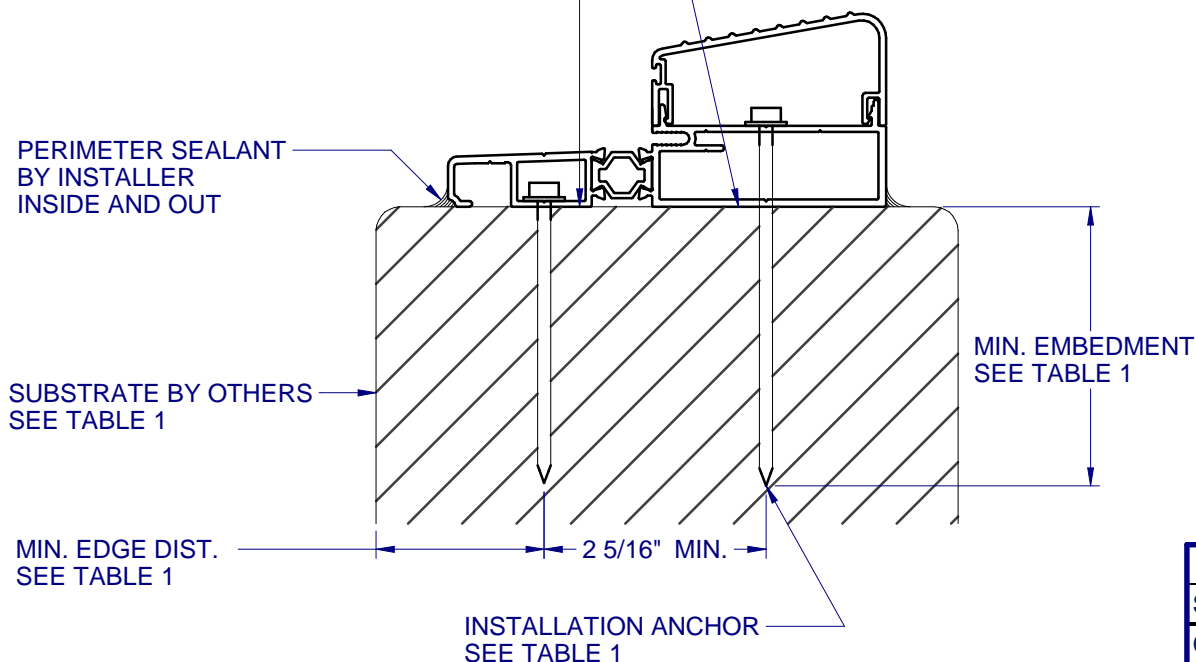
INSTALLATION DETAIL

DRAWN BY:	DATE:
EMK	11/13/15
DWG #:	REV.:
TDI-839	-
SCALE:	SHEET
1:2	6 OF 6

TYPICAL HEAD ANCHORAGE



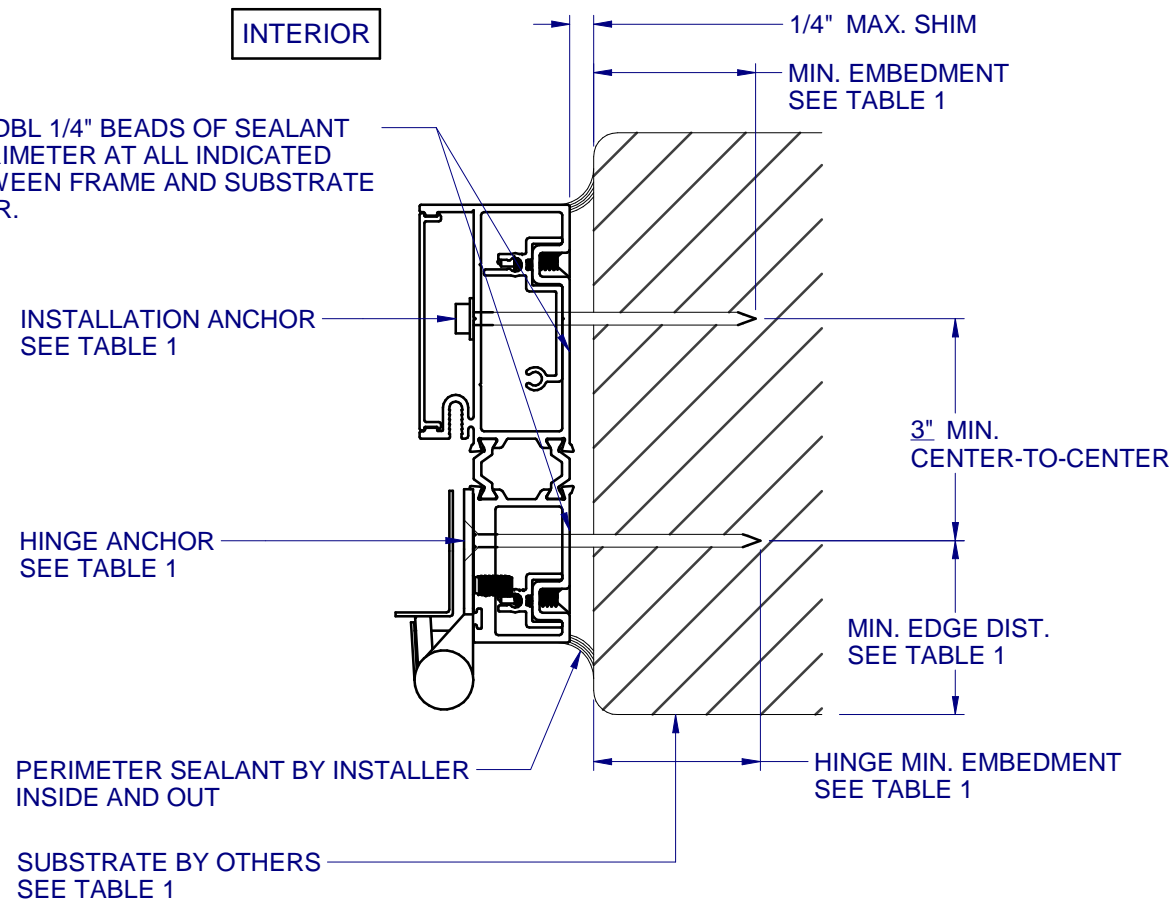
CONTINUOUS DBL 1/4" BEADS OF SEALANT AROUND PERIMETER AT ALL INDICATED POINTS BETWEEN FRAME AND SUBSTRATE BY INSTALLER.



A VERTICAL SECTION
6 TYPICAL SILL ANCHORAGE

INTERIOR

CONTINUOUS DBL 1/4" BEADS OF SEALANT AROUND PERIMETER AT ALL INDICATED POINTS BETWEEN FRAME AND SUBSTRATE BY INSTALLER.



B HORIZONTAL SECTION
6 TYPICAL JAMB / HINGE ANCHORAGE

TABLE 1: APPROVED INSTALLATION FASTENERS

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.85 KSI MIN.)	1/4" ELCO ULTRACON	1-3/4"	2-1/2"
HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" ELCO ULTRACON	1-1/4"	2-1/2"
2X MIN. SOUTHERN PINE (G=0.55)	1/4" ELCO ULTRACON	1-3/8"	7/8"
2X MIN. SOUTHERN PINE (G=0.55)	#12 WOOD SCREW	1-3/8"	7/8"
16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#12-14 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	1/2"
1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#12 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	1/2"
HINGE ANCHORS INTO CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1-3/4"	2-1/2"
HINGE ANCHORS INTO HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"
HINGE ANCHORS INTO 2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
HINGE ANCHORS INTO 16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	1/2"
HINGE ANCHORS 1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	1/2"