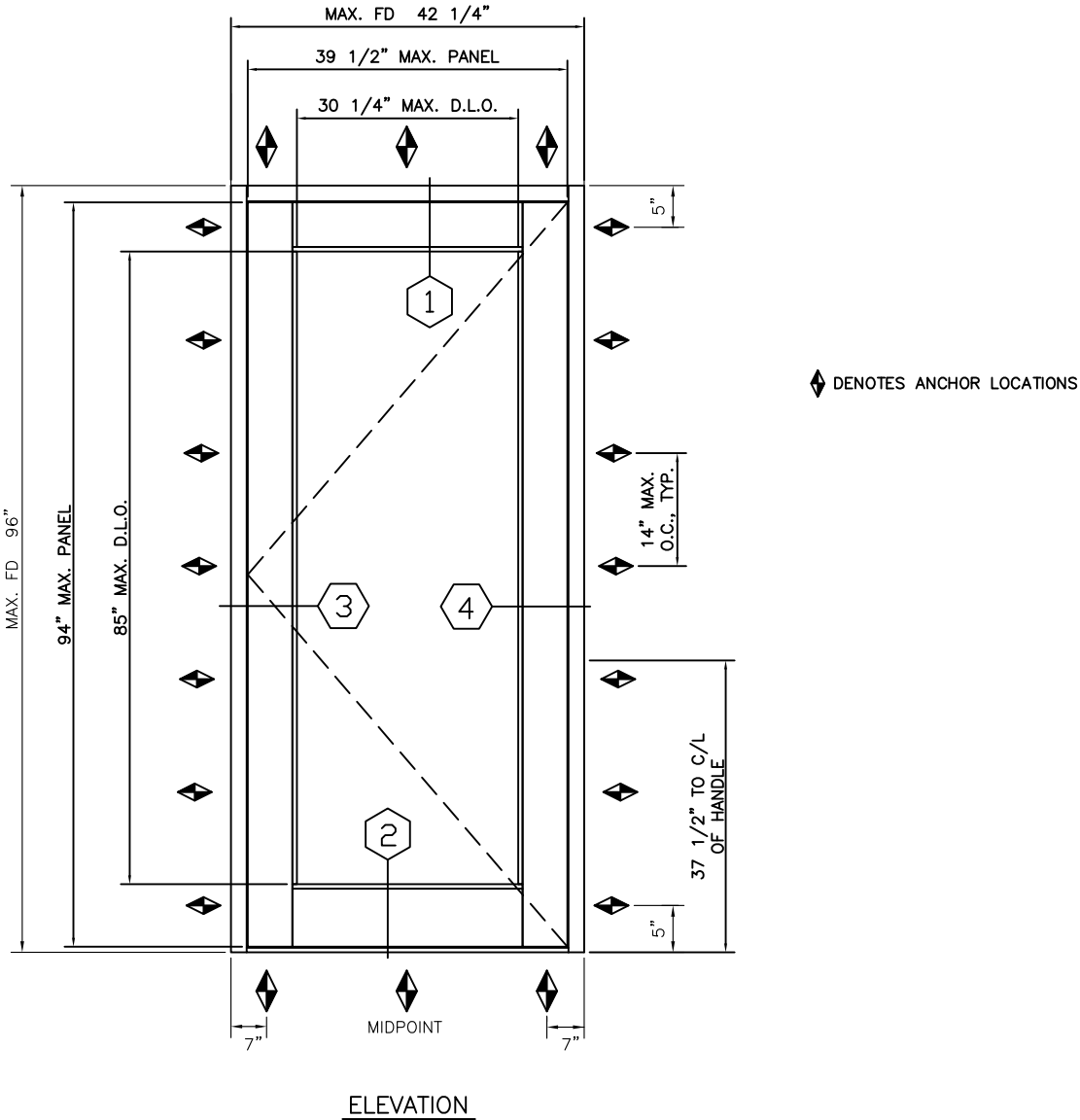


GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED TO TAS 201/202/203, INCLUDING WATER INFILTRATION, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 8TH EDITION (2023), INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF SHUTTERS IN WINDBORNE DEBRIS REGIONS.
3. ALLOWABLE CONFIGURATION: X (SINGLE PANEL)
4. THE DESIGN PRESSURE RATINGS FOR THIS PRODUCT AS DETAILED IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED PRESSURES.
5. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER PERFORMANCE OF INSTALLATION 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. INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC TO PREVENT GALVANIC REACTIONS.
9. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS UNLESS OTHERWISE APPROVED BY A LICENSED DESIGN PROFESSIONAL.
10. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON SHEET 2, AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 1. ENSURE 4" MINIMUM DISTANCE BETWEEN ANY TWO INSTALLATION ANCHORS.
11. INSTALL 1/4" MAX. SHIM STACK AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
12. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
13. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.

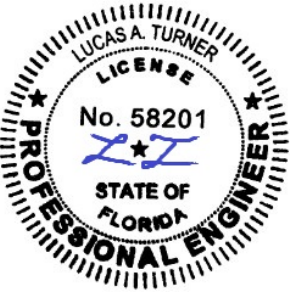


DESIGN PRESSURE TABLE

GLAZING	DESIGN PRESSURE RATING	IMPACT RATING
GLASS TYPE 1	+/-100 PSF	LARGE AND SMALL MISSILE
GLASS TYPE 2	+/-80 PSF	

TABLE 1. QUALIFIED ANCHOR INFORMATION

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	CONCRETE OR GROUT-FILLED CMU (2850 PSI MIN)	1/4" COATED CARBON STEEL ELCO ULTRACON OR DEWALT 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	CONCRETE (3000 PSI MIN)	1/4" ITW 410 STAINLESS TAPCON	1 3/4"	2 1/2"
D	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 WOOD SCREW	1 3/8"	1"
G	16 GAUGE (0.060") MIN. STEEL STUD 33 KSI YIELD MIN.	1/4-24 ITW TEKS SELF-DRILLING SCREW	SEE NOTE	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	1/2"



Lucas Turner
2023.09.29
16:04:30
-05'00'

9/29/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320

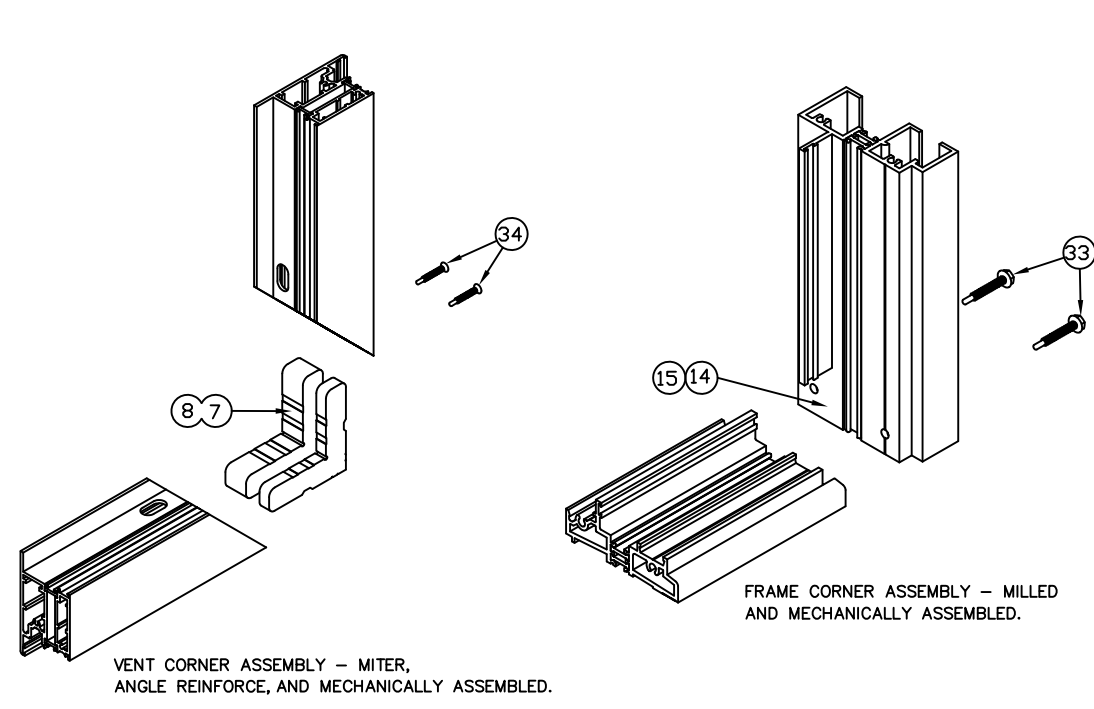
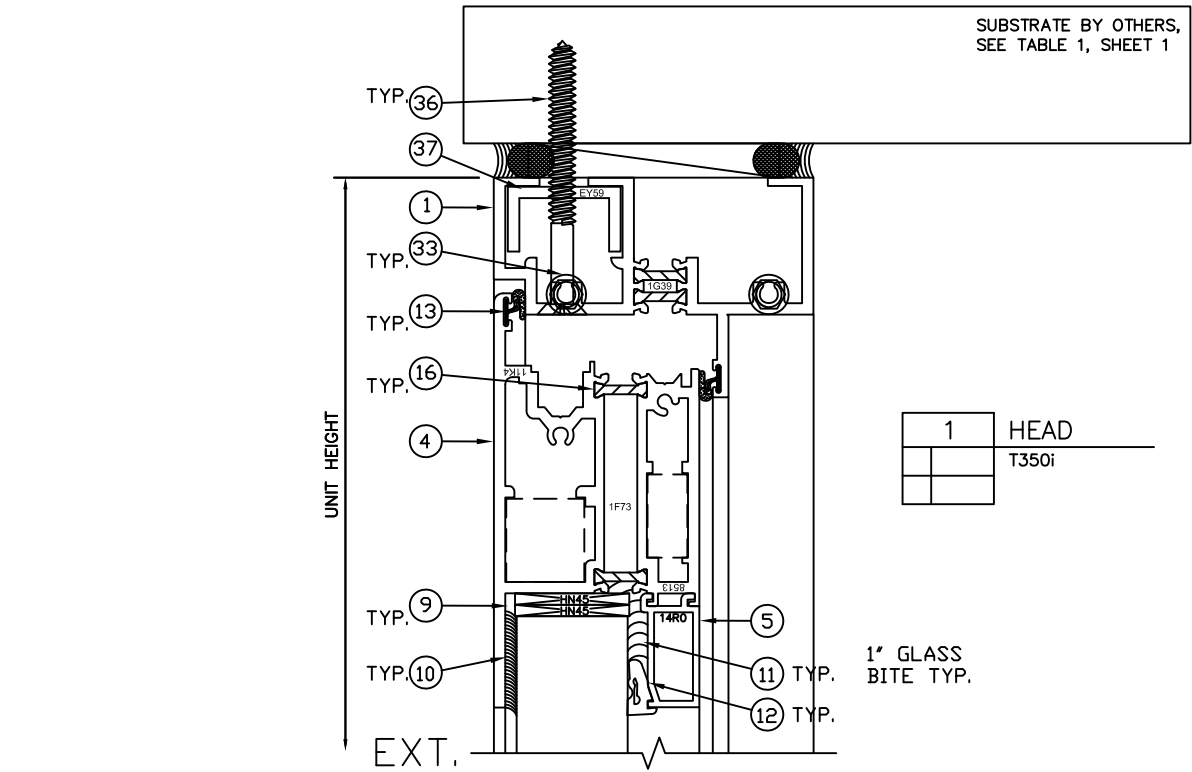
ITEM	# REQD	PART #	DESCRIPTION
1	3	1G39	HEAD/JAMB
2	1	1G37	SILL
3	1	8909	BOTTOM RAIL WEATHERSTRIP ADAPTOR
4	4	1F73	SASH RAILS
5	4	14R0	GLAZING BEAD
6	1	8905	SILL ADAPTOR
7	4	KK84	CORNER KEY 7821 @ .856"
8	4	KK68	CORNER KEY 7821 @ .424"
9	4	HN45	SETTING BLOCKS
10	AS REQD	JJ66	BACK BEDDING (295MB BONDAFLEX)
11	AS REQD	JJB6	D.C. 795 BACK FILL (INTERIOR)
12	AS REQD	WEB4	GLAZING GASKET
13	AS REQD	WQ09	Q-LON W-STRIP
14	2	HS00	HEAD/JAMB FRAME GASKET
15	2	HD86	SILL/JAMB FRAME GASKET
16	AS REQD	LAA3	THERMAL STRUT
17	1	LB57	PVC FILLER
18	1	LB98	LIFT BLOCK
19	2	HB34	LIFT BLOCK
20	2	STK8	#8-18 X 1 3/16 SQ-FH-SMS 410 TEK/2
21	1	HX83	ACTIVE LOCK HOPPE
22	1	HX83	GEAR
23	1	HX86	BOTTOM LOCK EXTENSION
24	1	HX95	LATCH KEEPER
25			
26	4	HK12	ROLLER KEEPER
27	4	HA20	HINGES - ADVANTAGE
28			
29	6	MTZ5	1/4"-20 X 5/8" SHCS-MS 18-8
30	6	M119	1/4"-20 X 1 PL-FH 18-8 UC
31	1	HA44	SNUBBER SET
32	6	SFP1	SNUBBER ATTCH. SCREW
33	8	STV4	#12-14 X 1 1/4 HW-SMS 18-8 A
34	8	SLQ5	#10-16 X 1 1/4 PL-FH-SMS B
35	12	SPP2	#6-18 X 1/2 PL-PH-SMS 18-8 A
36	16	----	1/4Ø FASTENER, SEE TABLE 1
37	3	EY59	FILLER
38			
39			

PRODUCT FRAMING IS ALUMINUM 6063-T6

NOTE: ANCHORS THROUGH METAL SHALL PROVIDE THREAD ENGAGEMENT THROUGH THE METAL THICKNESS W/ MIN. 3 THREADS BEYOND

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DRAWN BY	TKEE	CHECKED BY	SCALE	REV.		EFCO CORPORATION 1000 County Road - Monett, Missouri 65708	SERIES 350i TERRACE DOOR, LM IMPACT FLORIDA PRODUCT APPROVAL DRAWINGS	DRAWING# FPA-350i-LM	SHEET 1 of 2
DATE	4-13-18	DATE		A: 9/29/2023, 2023 FBC UPDATE					




9/29/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320

INSULATED GLASS DESCRIPTIONS

GLASS TYPE 1 1/4" FULLY TEMPERED EXTERIOR 7/16" STEEL REINF. SPACER 9/16" LAMINATED INTERIOR: 1/4" HEAT STRENGTHENED + .077 EASTMAN SAFLEX STORM + 1/4" HEAT STRENGTHENED	GLASS TYPE 2 1/4" FULLY TEMPERED EXTERIOR 7/16" STEEL REINF. SPACER 9/16" LAMINATED INTERIOR: 1/4" HEAT STRENGTHENED + .090 EASTMAN SAFLEX PVB + 1/4" HEAT STRENGTHENED
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