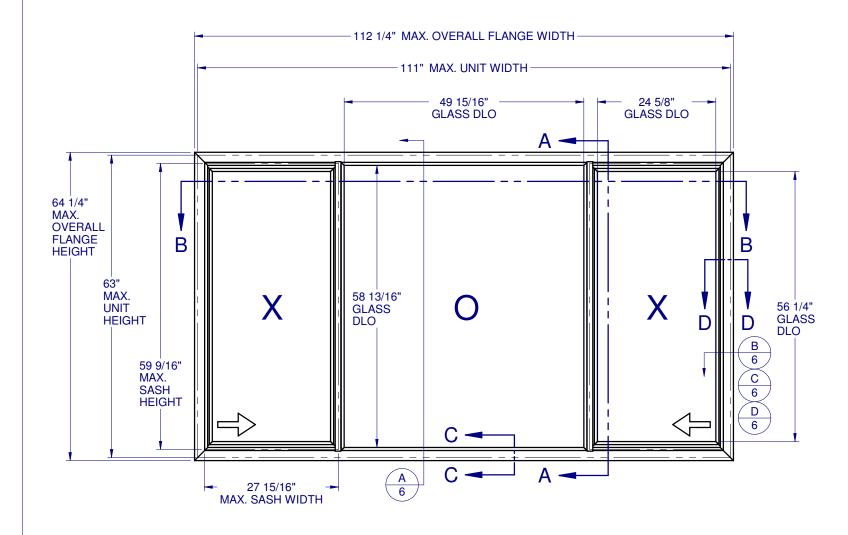
HORIZONTAL SLIDER - LARGE MISSILE IMPACT



GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND IS RATED FOR WIND ZONE 4 MISSILE LEVEL D IMPACT USE AS DEFINED IN ASTM E 1996 PER THE FBC.
- 2. GLAZING OPTIONS: (SEE SHEET 2)
- 3. CONFIGURATIONS: "OX", "XO",
- 4. DESIGN PRESSURE RATING: -NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04. -POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04.
- 5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 6. PRODUCT APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED. THE IMPACT ROTARY LOCKS ARE INTENDED TO BE LEFT UNLATCHED DURING NORMAL OPERATION OF THIS PRODUCT, BUT MUST BE ENGAGED PRIOR TO EXPOSURE TO HURRICANE WINDS AND FLYING DEBRIS.
- 7. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND HEAD/SILL.
- 8. SERIES / MODEL DESIGNATION HS-8200.
- 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: X = OPERABLE SASH, O = FIXED SASH
- 10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
- 11. EXTERNAL WEEP SLOT = 1/4" x 1" LOCATED 4" FROM BOTH ENDS.

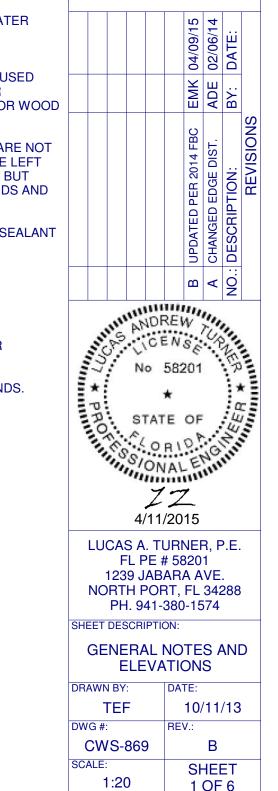
TABLE OF CONTENTS

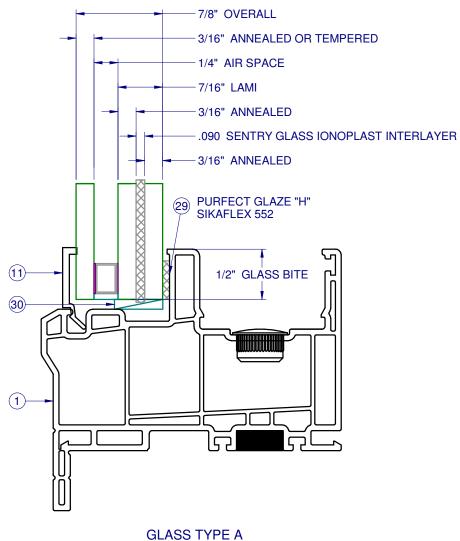
GENERAL NOTES & ELEVATIONS1
GLAZING DETAILS2
SECTION VIEWS & GLAZING DETAILS3
EXTRUSIONS & B.O.M4
ANCHOR SCHEDULE & NOTES5
INSTALLATION DETAILS6

MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
111" x 63"	+/- 60 PSF	LARGE MISSILE IMPACT

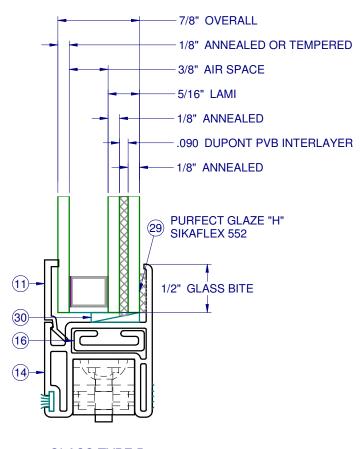


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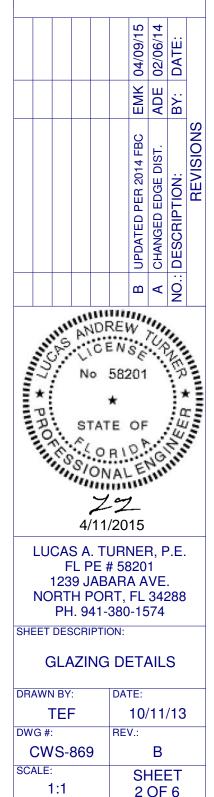
FIXED GLASS

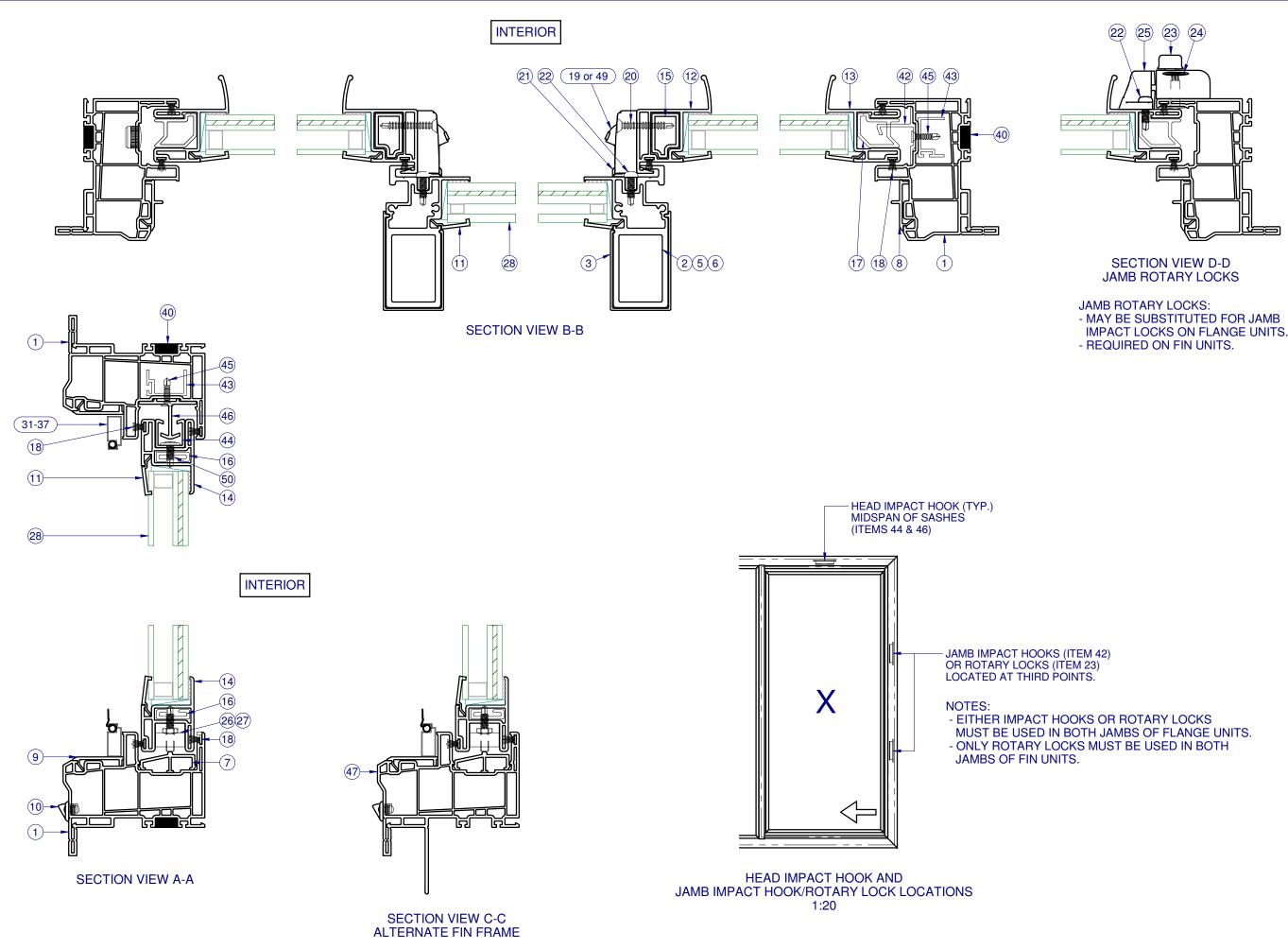


GLASS TYPE B SASH GLASS



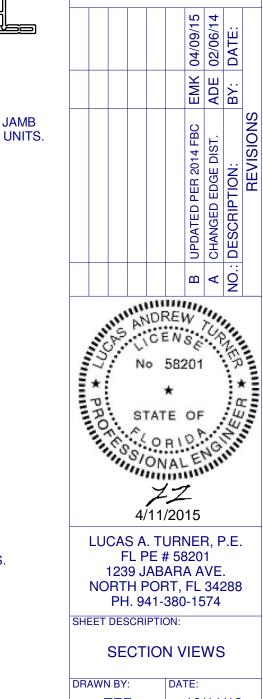
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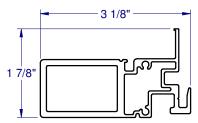


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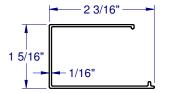


DIRAWIN DI.	DATE.	
TEF	10/11/13	
DWG #:	REV.:	
CWS-869	В	
SCALE:	SHEET	
1:2	3 OF 6	

		PARTS LIST		
TEM	PART #	DESCRIPTION	VENDOR	MATERIAL
1	H-6049	Main Frame, SH/HS, Flange, PVC	Mikron	PVC
2	H-1681	Fixed Rail, Heavy Duty, Aluminum	Keymark	Alum
3	S-6077	Cover, HD Fixed Rail, PVC	Mikron	PVC
5	P-4638	#8 x 2 1/2" Ph Mod Truss Type A TEK	Ajax	Steel
6	P-3342	Seam Sealer, SM-5504	Schnee	Silicone
7	S-1776	Roller Track	Keymark	Alum
8	S-6013	Screen Adapter, Jamb, PVC	Mikron	PVC
9	S-6014	Screen Adapter, Head & Sill, PVC	Mikron	PVC
10	P-4479	Weep Cover w/ Flap	M&M	Nylon
11	S-6064	Glazing Bead	Mikron	PVC
12	H-6050	Sash Meeting Rail, PVC	Mikron	PVC
13	H-6051	Sash Pull Rail, PVC	Mikron	PVC
14	H-6052	Sash Top/Bot. Rail, PVC	Mikron	PVC
15	H-1497	Reinf. Sash Meet. Rail	Keymark	Alum
16	H-1498	Reinforcement, Sash, Side Rail	Keymark	Alum
17		Reinforcement, Sash Pull Rail	Keymark	Alum
18		Wstp., 0.270 x .187 back FinSeal, Gra	Ultrafab	
19		Lock, Impact, PVC	Interlock	
20		#8 x 1 1/4" Ph Flat Tek, Wht.	Fastenal	Steel
21		Keeper, Impact, PVC	Interlock	
22		#8 x 3/4" Square PH Tek, Wht.	Fastenal	Steel
23		Rotary Lock	Interlock	
24		8-32 x 1/2" Barrel Fastener	Interlock	
25		Keeper, Rotary Lock	Interlock	
26		Roller, Tandem	M&M	Nylon
27		#8 x 1/2" Quad PH TEK 2 Zinc	Fastenal	Steel
28		SEE SHEET 2	CARDINAL	GLASS
29	0.12.100	Purfect Glaze "H" or Sikaflex 552	Henkel/Sika	Silicone
30	P-3028	Set. Blk., 85 Dur., 1/8" x 7/8" x 2" Lg.	Frank Lowe	Rubber
31		Screen Frame	Allmetal	RollForm
32		Screen Corner Key	Allmetal	Nylon
33		Screen Corner Key w/Safety Tab	Allmetal	Nylon
34	P-3029		Summit	NyIOI
35		Screen Spring	Fla. Spring	SS
36		Screen Spline	Dapa	
37		Screen Cloth, Fiberglass	Бара	
-		Screw Support, PVC	Team Plastics	Pubbor
40 41			M&M	Rubber
		Cap Plug, 1/2" Hole		Nylon
42	S-1577		Keymark	Alum
43		Reinforcement, Head, Jamb	Keymark	Alum
44	S-2000	Impact Channel, Sash	Keymark	Alum
45		#6 X 5/8 Ph FH TEK, Zinc, Painted	Ajax	Steel
46	S-1999		Keymark	Alum
47	H-6048		Mikron	PVC
48		Roller Track, PVC, (Anti-lift)	Mikron	PVC
49		Lock, Impact, PVC, w/Flipper	Interlock	-
50	P-4730	#8 x 1/2" Ph Mod Truss TEK	Fastenal	Steel



HD MTG RAIL-1681

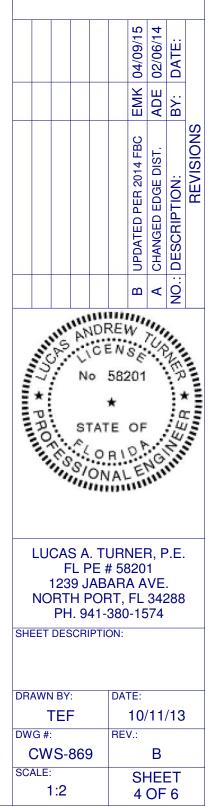


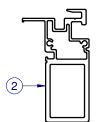
PVC HD MTG RAIL COVER - 6077

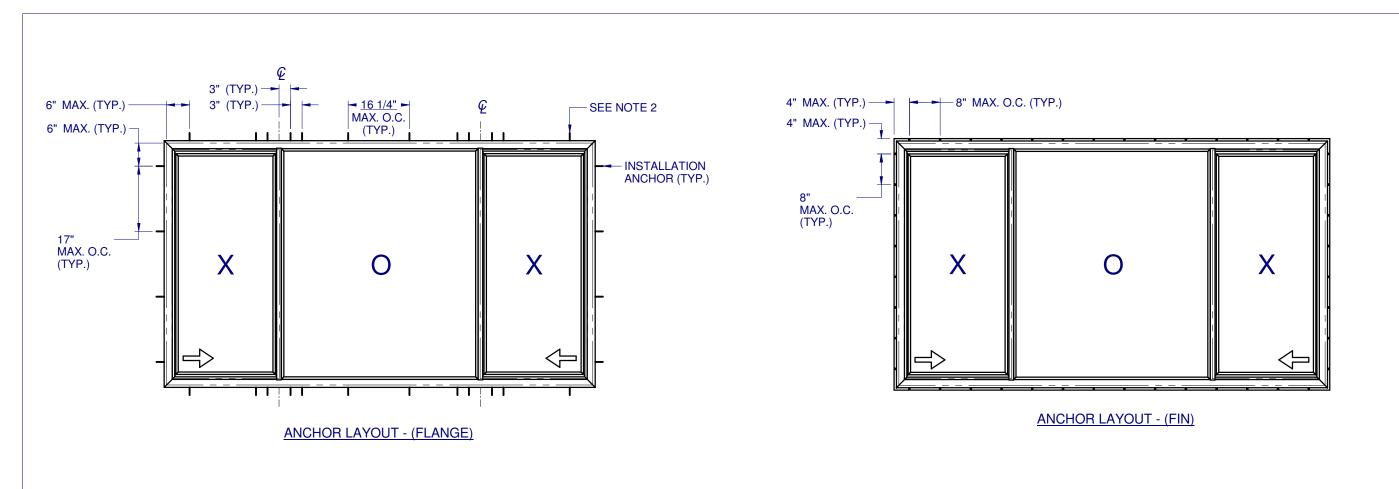




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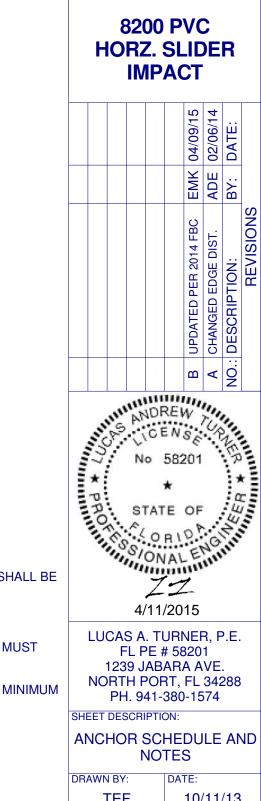


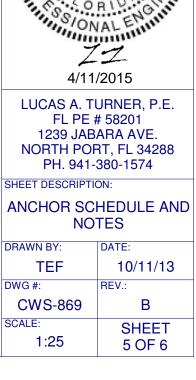
NOTES:

- 1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. 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. 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 PRES 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 STREE 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 INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQURE 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
- 7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3" FOR MASONRY, 1" FOR WOOD AND METAL.
- 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 LO SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE1, SHEET 6. 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)

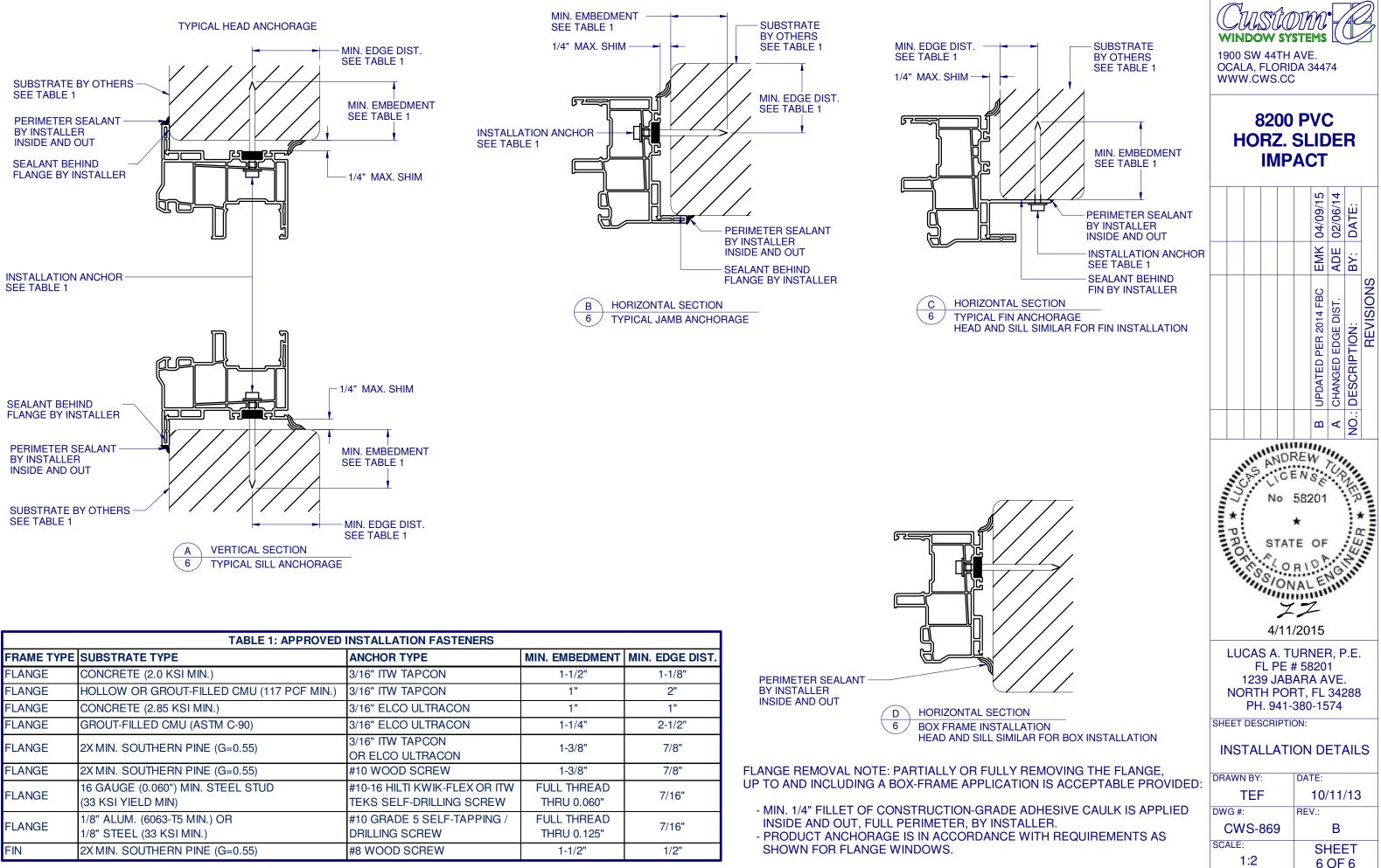


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LOAD BEARING SHIMS SHALL BE	
SSURE TREATED WOOD MUST	
NGTHS LESS THAN THE MINIMUM	
O SUBSTRATE.	
OADS TO THE STRUCTURE.	Ī



FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE	GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
FLANGE	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"	7/16"
FLANGE	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"	7/16"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#8 WOOD SCREW	1-1/2"	1/2"

