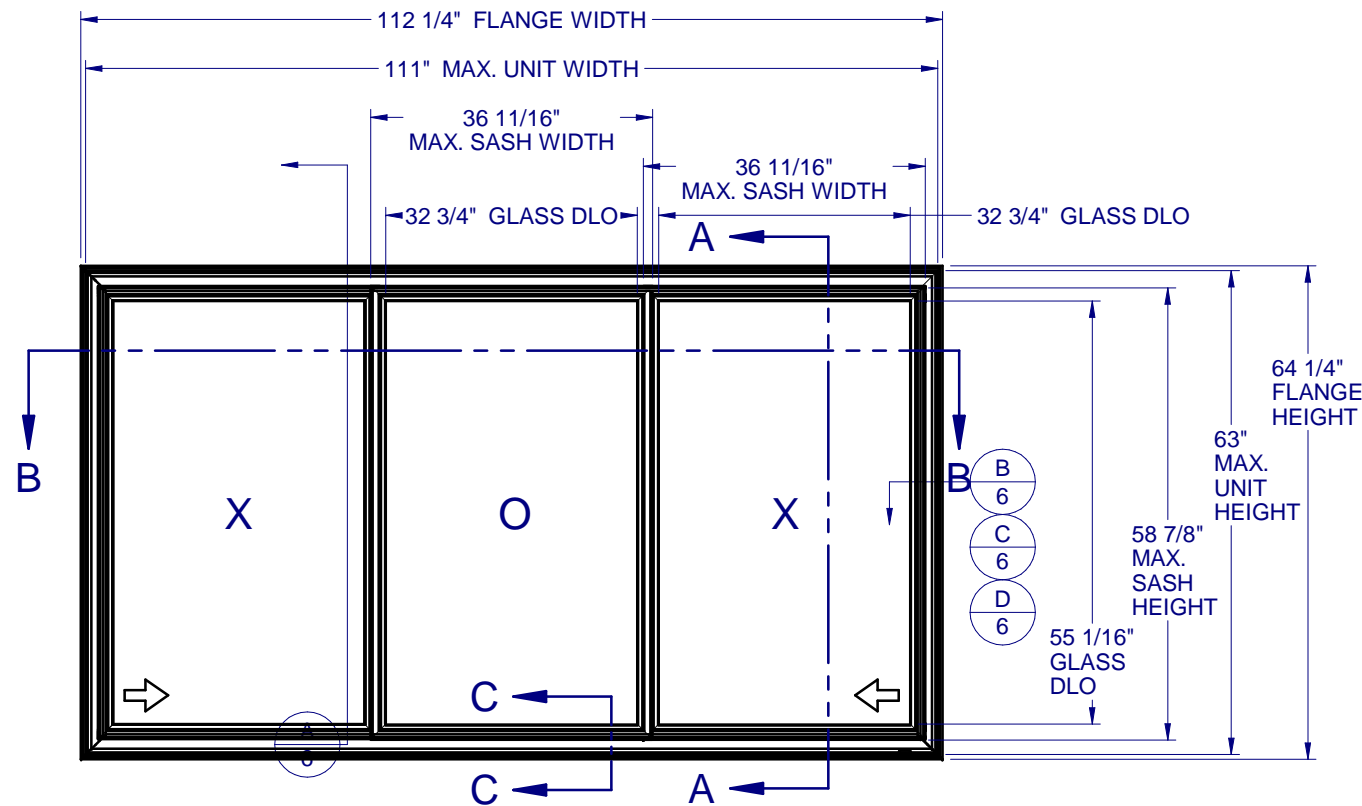
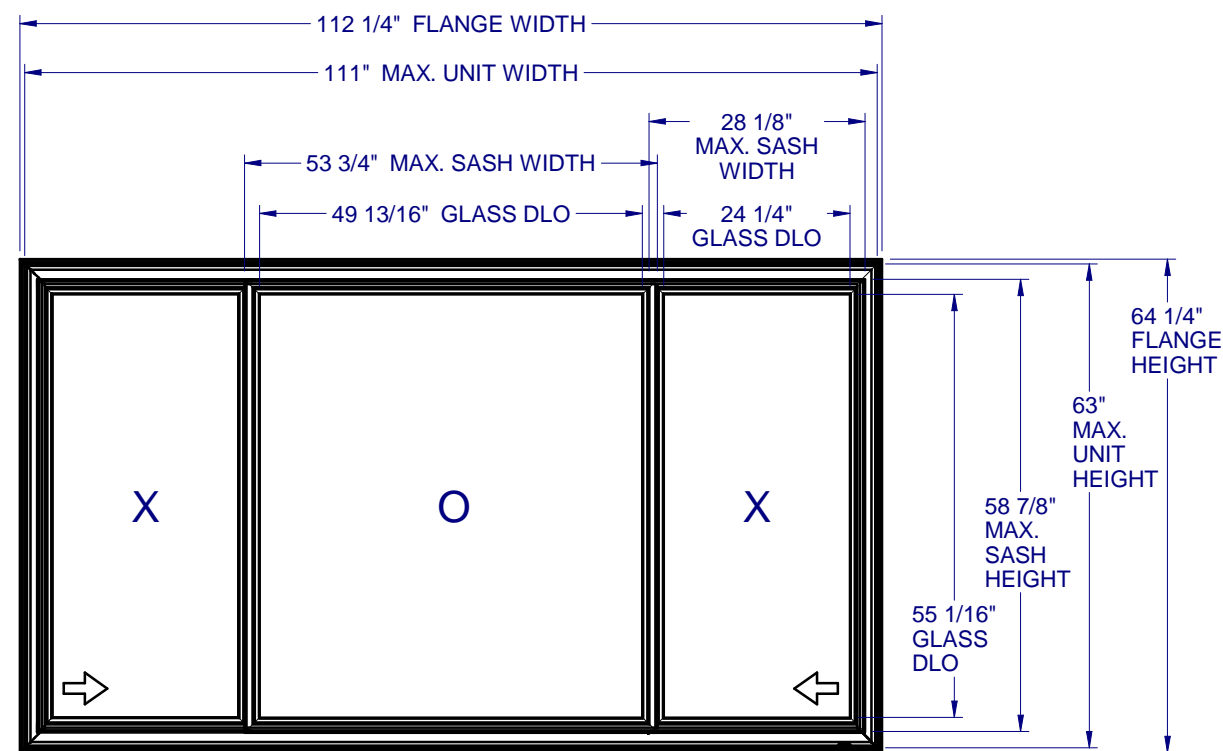


# MODEL 620 SYSTEMS 8 AND 9 HORIZONTAL SLIDER - NON-IMPACT



1/3 - 1/3 - 1/3  
SYSTEM 9 (CAR 138-1341)



1/4 - 1/2 - 1/4  
SYSTEM 8 (CAR 138-1342)

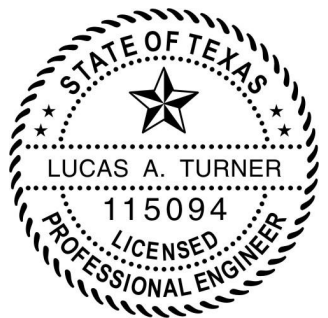
### GENERAL NOTES:

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 OPTIONS: (SEE SHEET 2)
3. CONFIGURATIONS: "XOX".
4. 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.
5. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
6. ALL FRAMES AND VENTS FULLY WELDED.
7. SERIES / MODEL DESIGNATION HS-620.
8. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:  
X = OPERABLE SASH, O = FIXED SASH
9. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
10. EXTERNAL WEEP SLOT = 5/16" x 2-1/8" LOCATED 4-1/2" FROM BOTH ENDS.

**Custom**  
WINDOW SYSTEMS  
1900 SW 44TH AVE.  
OCALA, FLORIDA 34474  
WWW.CWS.CC

## 620 PVC HORIZ. SLIDER NON-IMPACT

NO.	DESCRIPTION:	BY:	DATE:
A	REVISED TO TDI REQUEST	JML	8/2/16



*LT*  
8/19/2016

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: EMK	DATE: 11/10/15
DWG #: TDI-1067	REV.: -
SCALE: 1:25	SHEET 1 OF 6

### TABLE OF CONTENTS

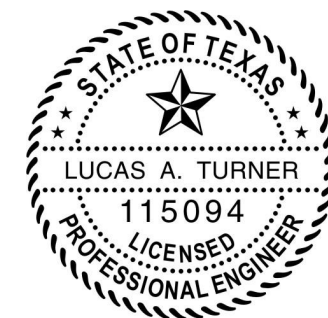
GENERAL NOTES & ELEVATIONS.....	1
DP CHARTS & GLAZING DETAIL.....	2
SECTION VIEWS.....	3
EXTRUSIONS & B.O.M.....	4
ANCHOR SCHEDULE & NOTES.....	5
INSTALLATION DETAILS.....	6



**620 PVC  
HORIZ. SLIDER  
NON-IMPACT**

NO.	DESCRIPTION:	BY:	DATE:
A	REVISED TO TDI REQUEST	JML	8/2/16

REVISIONS



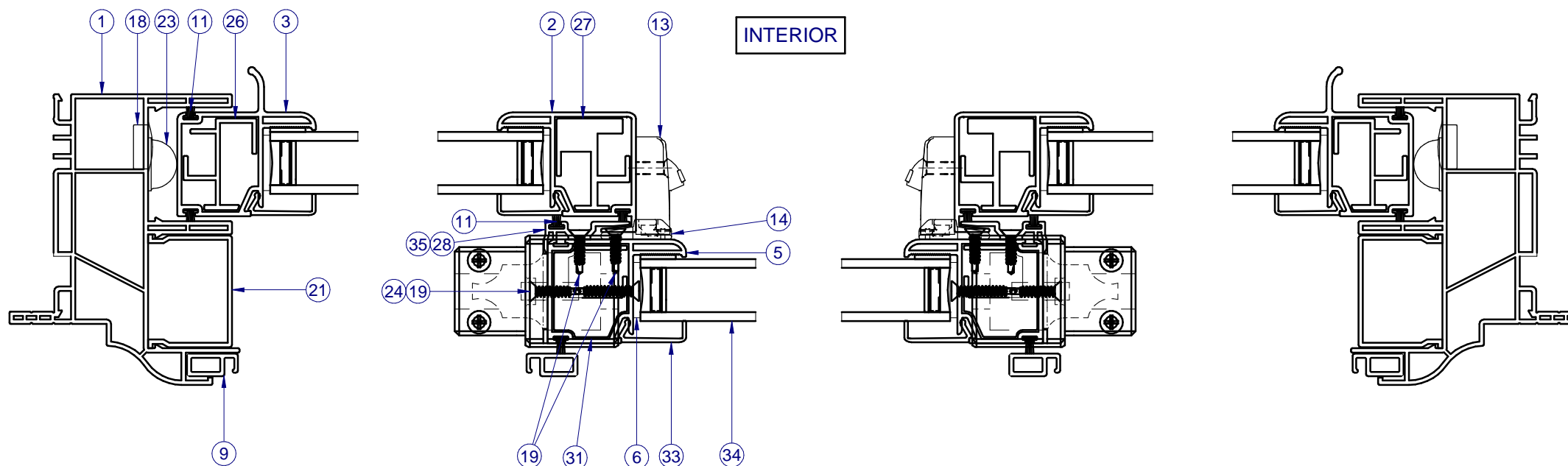
*LT*  
8/19/2016

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SHEET DESCRIPTION:

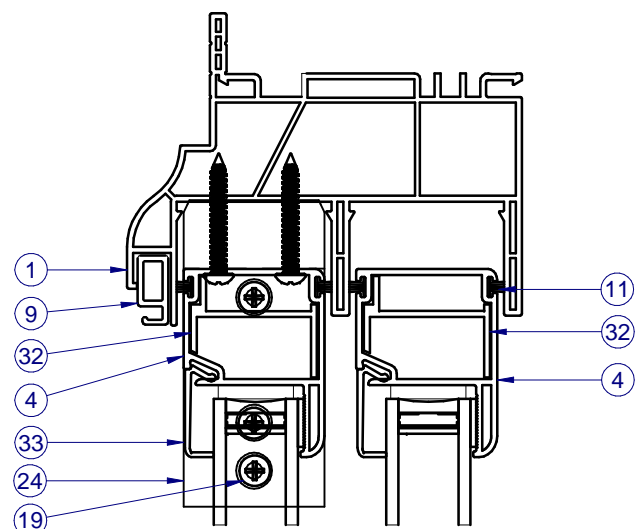
**SECTION VIEWS**

DRAWN BY:	DATE:
EMK	11/10/15
DWG #:	REV.:
TDI-1067	-
SCALE:	SHEET
1:2	3 OF 6

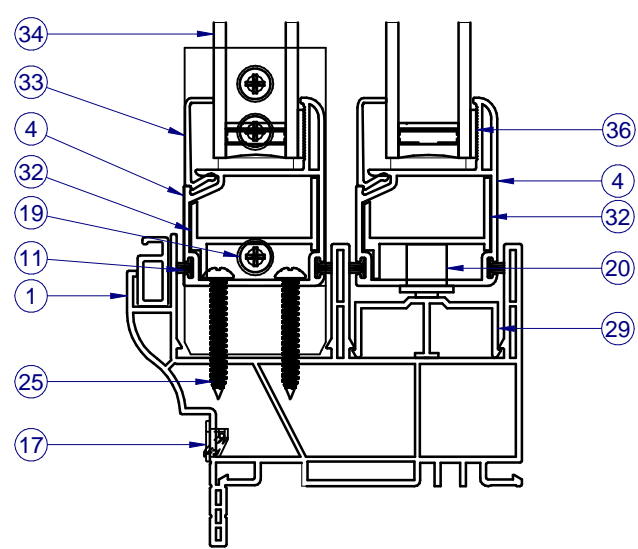


INTERIOR

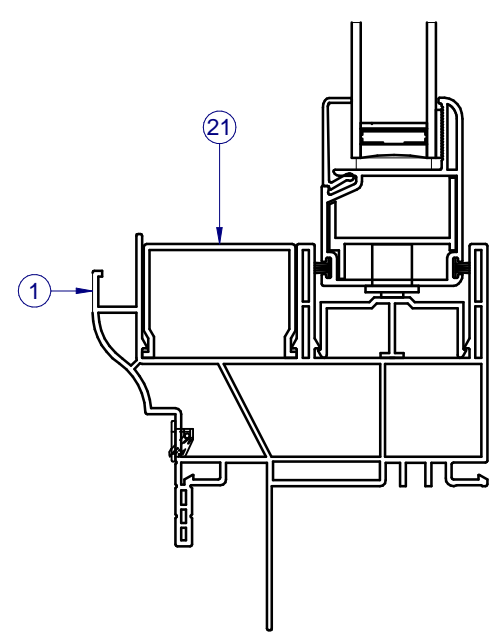
SECTION VIEW B-B



INTERIOR



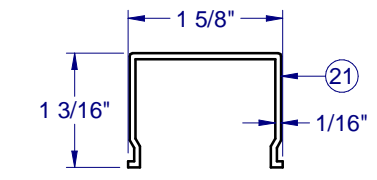
SECTION VIEW A-A



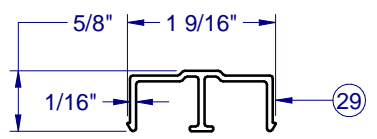
SECTION VIEW C-C  
ALTERNATE FIN FRAME

PARTS LIST				
ITEM	PART	DESCRIPTION	MATERIAL	VENDOR
1	H-6127	MAIN FRAME	PVC	ATN
2	H-6135	SASH INTERLOCK RAIL, INT. PANEL	PVC	ATN
3	H-6139	SASH DRAW RAIL	PVC	ATN
4	H-6140	SASH TOP/BTM RAIL	PVC	ATN
5	H-6140	SASH INTERLOCK RAIL, EXT. PANEL	PVC	ATN
6	P-3028	SETTING BLOCK, 1/8" x 7/8" x 2"		FRANK LOWE
7	P-3029	SCREEN LIFT TABS	STEEL	SUMMIT
8	P-3033	SCREEN SPRINGS	STEEL	FLA SCREEN
9	P-3218	SCREEN FRAME	ALUM	FLA SCREEN
10	P-3228	SCREEN SPLINE		DAPA
11	P-3305	WTSP., 0.187" x 0.270" SOFT FIN		AMESBURY
12	P-3511	#8-18 x 0.625" PN PH TEK #2 POINT ZP	STEEL	FASTENAL
13	P-3783	IMPACT SASH LOCK		INTERLOCK
14	P-3784	KEEPER		INTERLOCK
15	P-4146	#8-18 x 0.750" FH PH #2 POINT TEK ZP	STEEL	FASTENAL
16	P-4754	SCREEN CORNER KEY	NYLON	FLA SCREEN
17	P-5450	JUMBO WEEP COVER ASSY	NYLON	ASHLAND
18	P-5421	0.625" HOLE PLUG	NYLON	HEYCO
19	P-3511	#8-18 x 0.625" SQ PH TEK #2 POINT ZP	STEEL	FASTENAL
20	P-5428	ROLLER ASSY		AMESBURY
21	P-5429	EXTERIOR TRACK FILLER INSERT	PVC	TEAM PLASTICS
23	P-5436	JAMB BUMPER	RUBBER	MINOR RUBBER
24	P-5451	T BLOCK, FIXED SASH	NYLON	
25	P-5448	#8 x 1.50" PN PH #2 POINT TEK ZP	STEEL	FASTENAL
26	S-2004	REINF., SIDE RAIL	ALUM	ASCEND
27	S-2005	REINF., MEETING RAIL, INT. PANEL	ALUM	ASCEND
28	S-2029	INTERLOCK ADAPTOR	ALUM	ASCEND
29	S-2030	ROLLER TRACK	ALUM	ASCEND
31	S-2043	REINF., MEETING RAIL, EXT. PANEL	ALUM	KEYMARK
32	S-2044	REINF., TOP/BOTTOM RAIL	ALUM	ASCEND
33	S-6141	0.875" GLAZING BEAD	PVC	ATN
34	GLASS	SEE SHEET 2		
35		DOW CORNING 1199	SILICONE	
36		PURFECT GLAZE "H", SIKAFLEX 552	SILICONE	HENKEL / SIKA

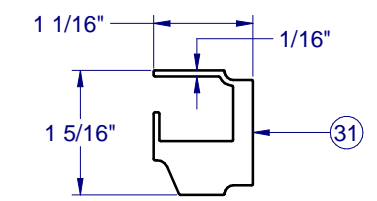
LINE ITEMS NOT USED:  
22, 30



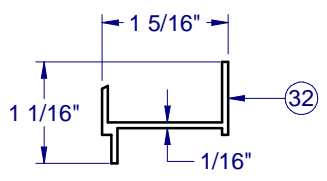
PVC TRACK FILLER - P-5429



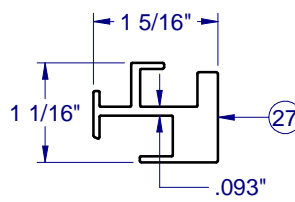
ALUM ROLLER TRACK - S-2030



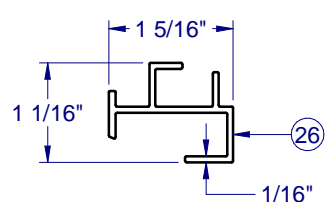
ALUM REINF. - S-2043



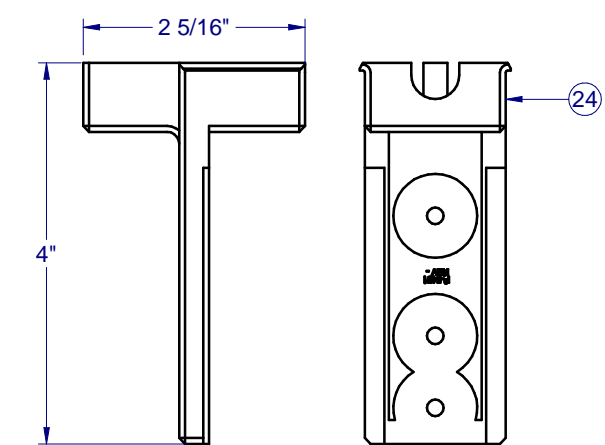
ALUM REINF. - S-2044



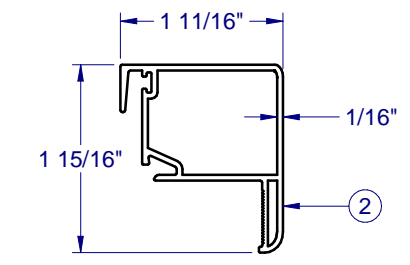
ALUM REINF. - S-2005



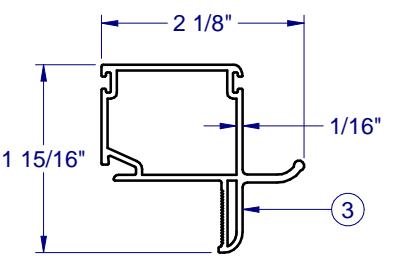
ALUM REINF. - S-2004



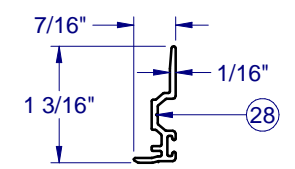
FIXED PANEL "T" BLOCK  
P-5451



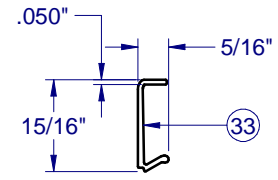
PVC INTERLOCK RAIL - H-6135



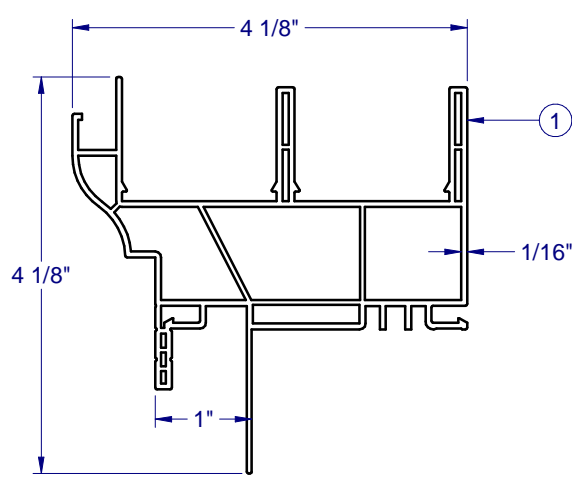
PVC DRAW RAIL - 6139



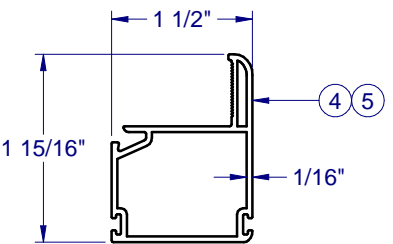
ALUM INTERLOCK - S-2029



PVC GLAZING BEAD - S-6141

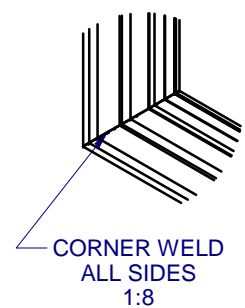


PVC MAIN FRAME - H-6127



PVC TOP/BTM RAIL - H-6140

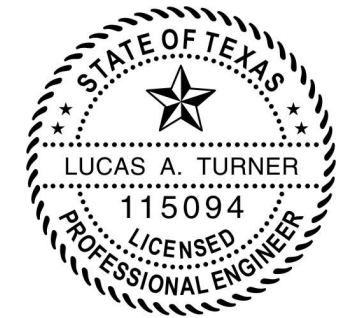
CORNER CONSTRUCTION



**Custom**  
WINDOW SYSTEMS  
1900 SW 44TH AVE.  
OCALA, FLORIDA 34474  
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**620 PVC  
HORIZ. SLIDER  
NON-IMPACT**

NO.	DESCRIPTION:	BY:	DATE:
A	REVISED TO TDI REQUEST	JML	8/2/16



22  
8/19/2016

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

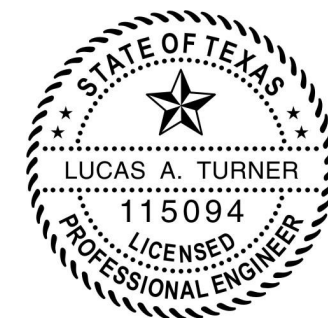
SHEET DESCRIPTION:  
**BOM AND EXTRUSIONS**

DRAWN BY: <b>EMK</b>	DATE: 11/10/15
DWG #: <b>TDI-1067</b>	REV.: -
SCALE: 1:2	SHEET 4 OF 6

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

**620 PVC  
HORIZ. SLIDER  
NON-IMPACT**

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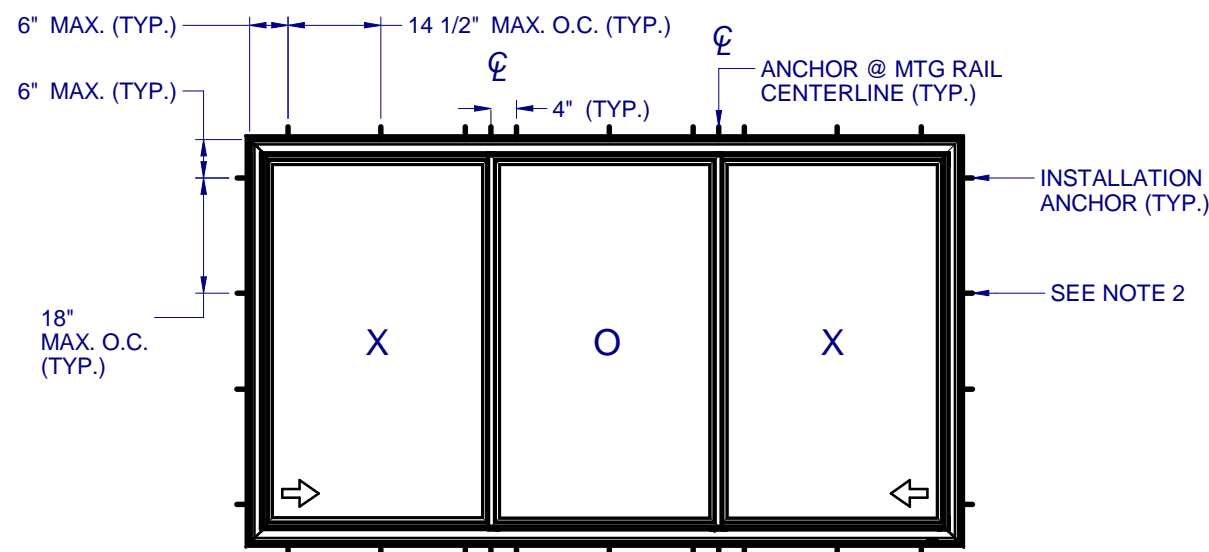


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8/19/2016

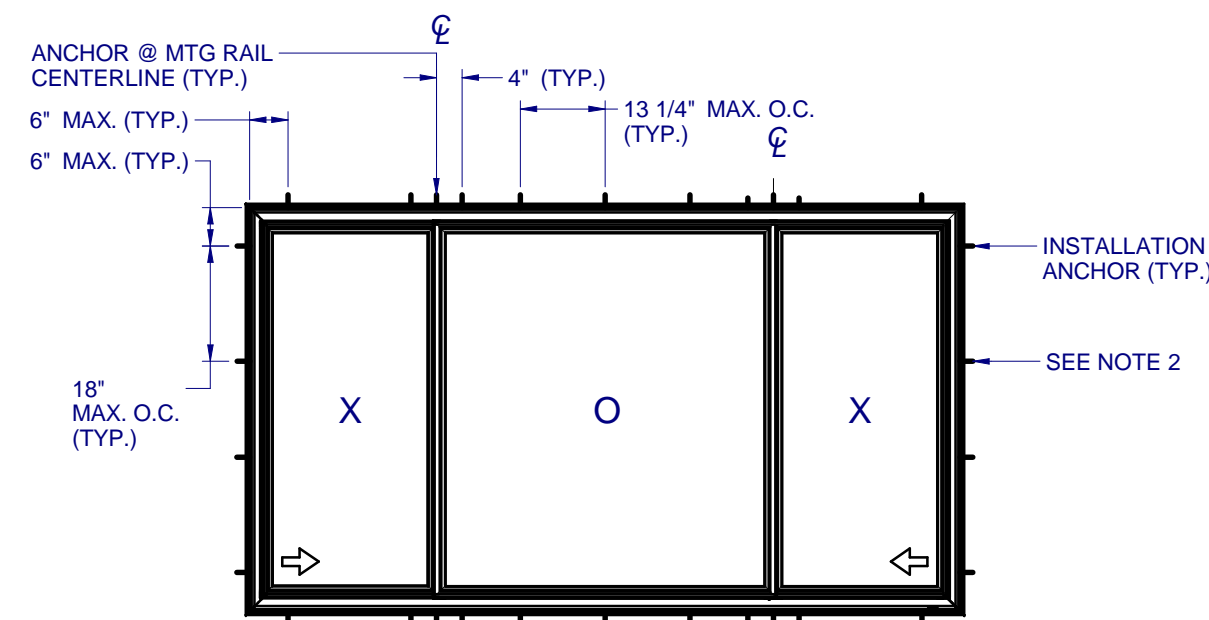
LUCAS A. TURNER, P.E.  
TX PE # 115094  
1239 JABARA AVE.  
NORTH PORT, FL 34288  
PH. 941-380-1574

SHEET DESCRIPTION:  
**ANCHOR SCHEDULE AND NOTES**

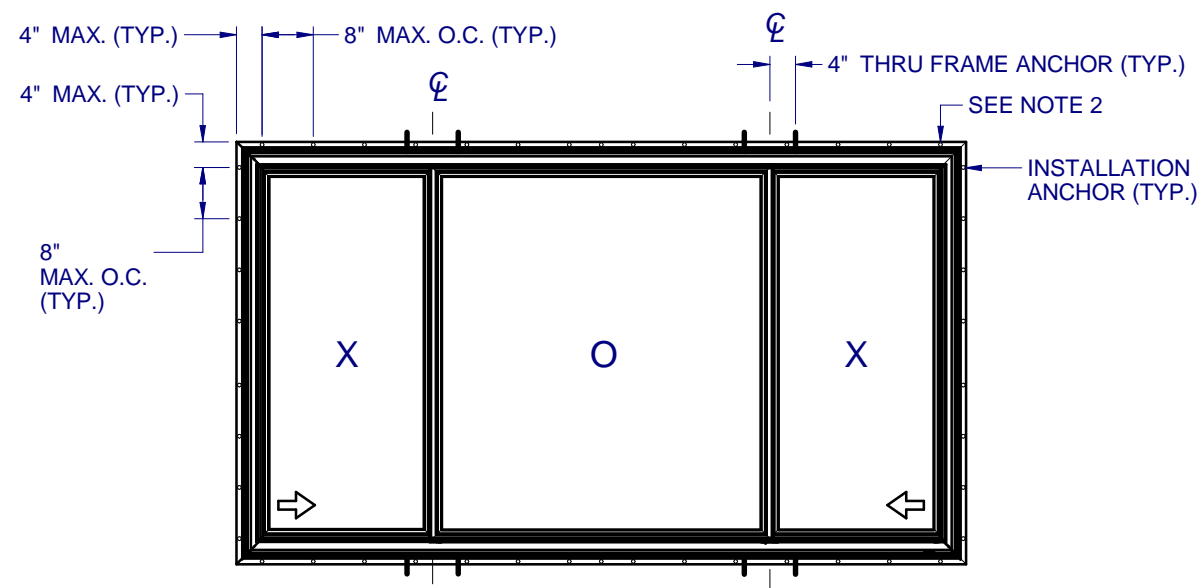
DRAWN BY: <b>EMK</b>	DATE: 11/10/15
DWG #: <b>TDI-1067</b>	REV.: -
SCALE: 1:20	SHEET 5 OF 6



ANCHOR LAYOUT - (FLANGE)  
1/3 - 1/3 - 1/3  
**SYSTEM 9**



ANCHOR LAYOUT - (FLANGE)  
1/4 - 1/2 - 1/2  
**SYSTEM 8**



ANCHOR LAYOUT - (FIN)  
1/4 - 1/2 - 1/4 and 1/3 - 1/3 - 1/3  
NOTE THRU FRAME ANCHORS @ MTG RAIL  
**SYSTEMS 8 AND 9**

**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. 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 - 1X BUCKS ARE OPTIONAL.
7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3-9/16" 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 LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, 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)

**620 PVC  
HORIZ. SLIDER  
NON-IMPACT**

NO.	DESCRIPTION:	BY:	DATE:
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REVISIONS

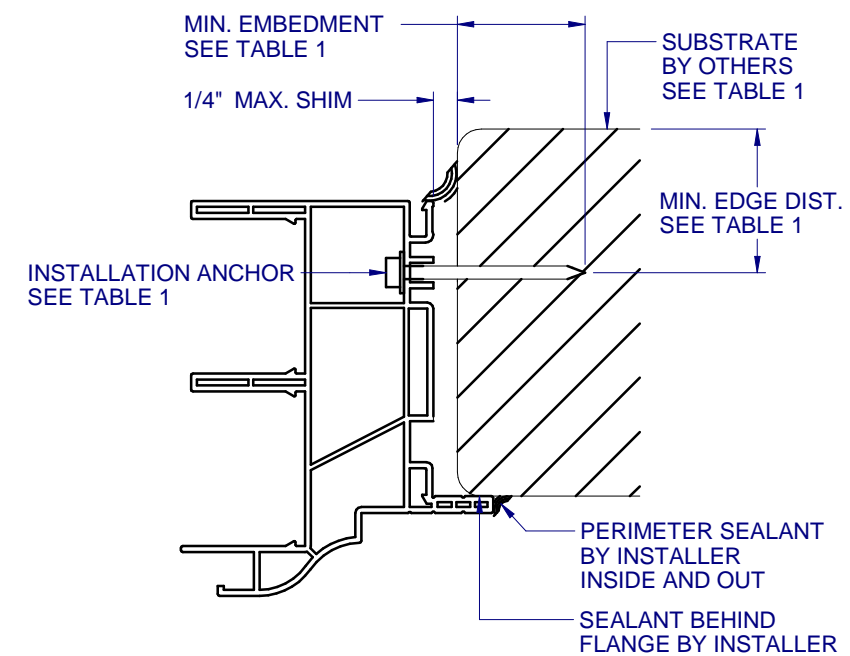
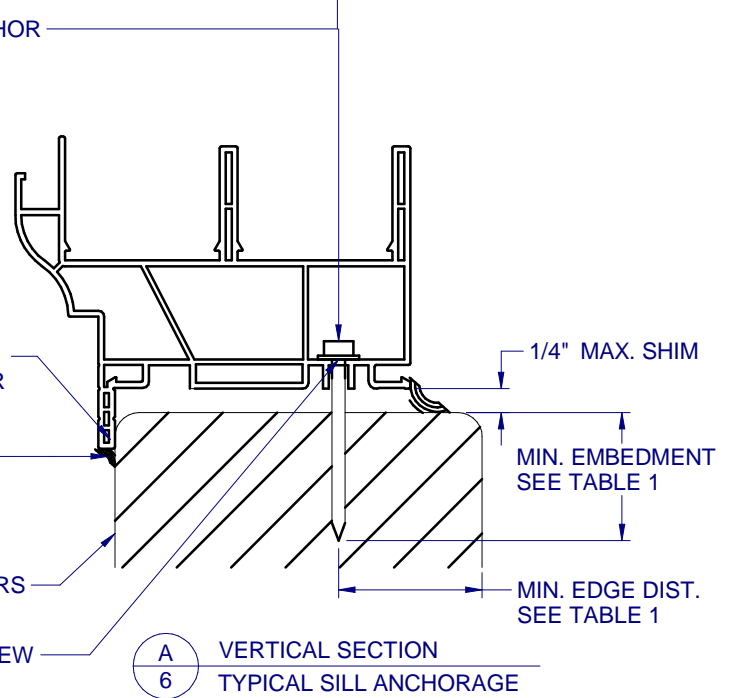
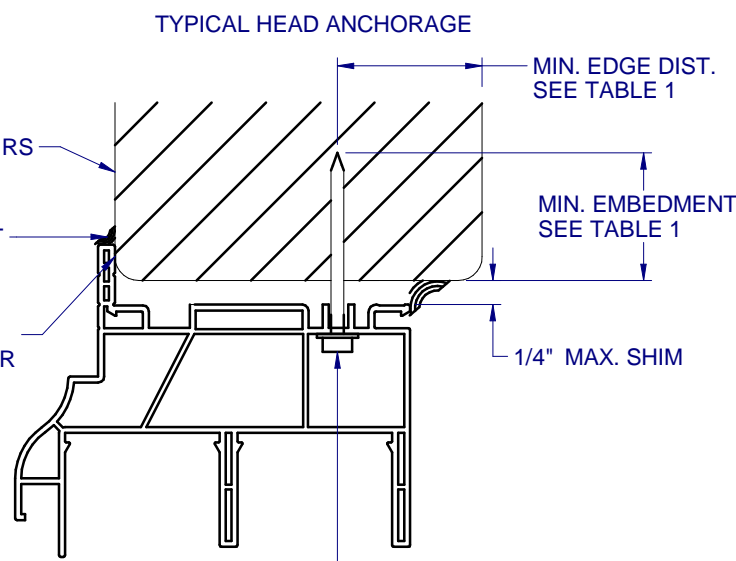
STATE OF TEXAS  
LUCAS A. TURNER  
115094  
LICENSED PROFESSIONAL ENGINEER

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8/19/2016

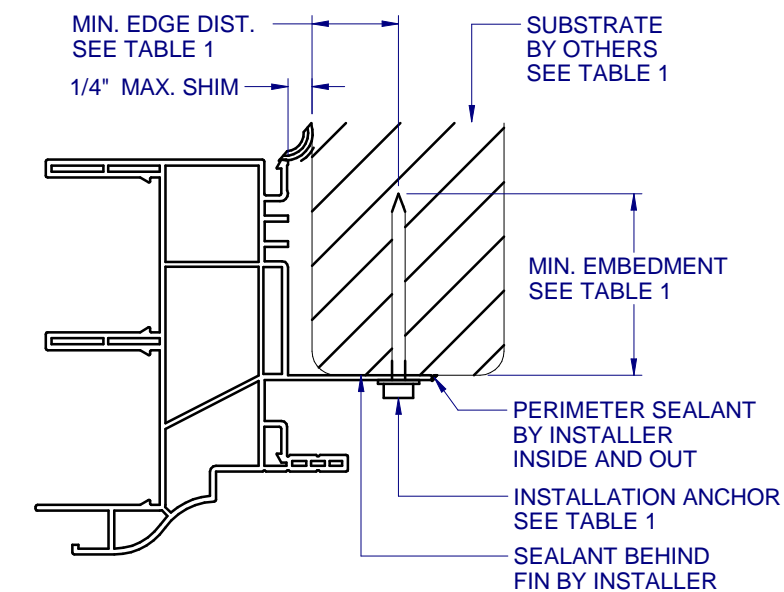
LUCAS A. TURNER, P.E.  
TX PE # 115094  
1239 JABARA AVE.  
NORTH PORT, FL 34288  
PH. 941-380-1574

SHEET DESCRIPTION:  
**INSTALLATION DETAILS**

DRAWN BY:	DATE:
EMK	11/10/15
DWG #:	REV.:
TDI-1067	-
SCALE:	SHEET
1:2	6 OF 6

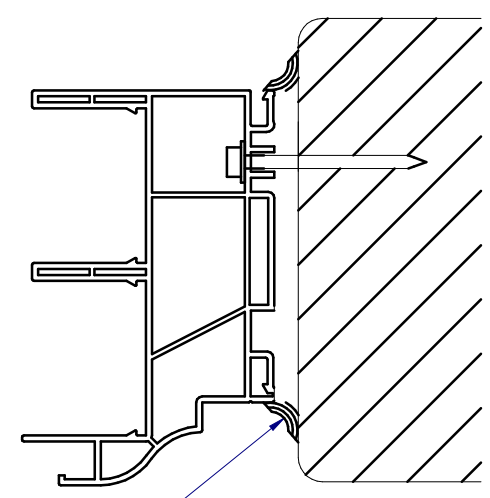


**B**  
6 HORIZONTAL SECTION  
TYPICAL JAMB ANCHORAGE



**C**  
6 HORIZONTAL SECTION  
TYPICAL FIN ANCHORAGE  
HEAD AND SILL SIMILAR FOR FIN INSTALLATION

NOTE: ADDITIONAL THRU-FRAME ANCHORS (AS SHOWN IN DET. A/6) REQ'D AT MTG RAIL, SEE SHEET 5 ANCHOR LAYOUT.



**D**  
6 HORIZONTAL SECTION  
BOX FRAME INSTALLATION  
SIMILAR FOR HEAD AND SILL FOR BOX INSTALLATION

FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.

**TABLE 1: APPROVED INSTALLATION FASTENERS**

FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	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	1-3/4"	2-1/2"
FLANGE	2X MIN. SPRUCE-PINE-FIR (G=0.42)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SPRUCE-PINE-FIR (G=0.42)	#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. SPRUCE-PINE-FIR (G=0.42)	#10 WOOD SCREW	1-1/2"	1/2"