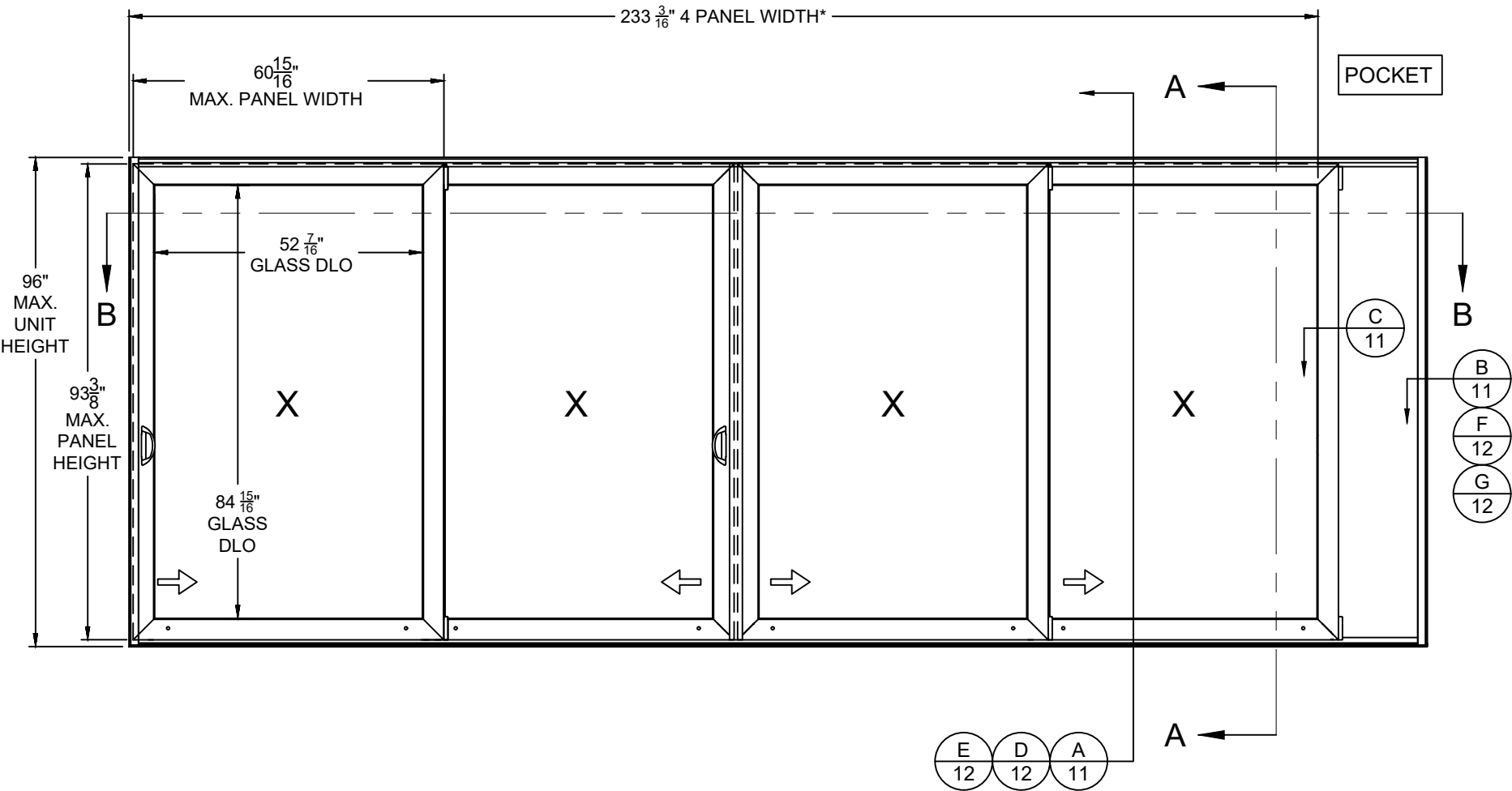


SLIDING GLASS DOOR - LARGE MISSILE IMPACT



GENERAL NOTES:

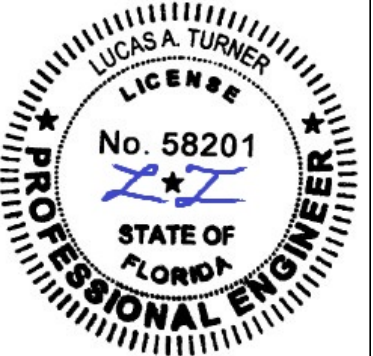
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION AND IS RATED FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND IS RATED FOR WIND ZONE 4 MISSILE LEVEL D IMPACT USE AS DEFINED IN ASTM E 1996 PER THE FBC.
2. GLAZING OPTIONS: (SEE SHEET 3)
3. APPROVED CONFIGURATIONS INCLUDE BUT ARE NOT LIMITED TO:
"XO", "OX", "XX", "OXO", "XXX", "OXXO", "XXXX", "PX", "PXX", "PXXX", "PXXXX", "PXXP", "PXXXXP", "PXXXXXXP", "PXXXXXXXP"
2 TRACK, 3 TRACK, 4 TRACK
4. DESIGN PRESSURE RATING:
-NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
-POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 10-11 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. PRODUCT APPROVED FOR IMPACT USE. SHUTTERS ARE NOT REQUIRED.
7. ALL FRAMES ARE PROCESSED AND SCREWED TOGETHER. VENTS ARE PROCESSED AND THERMAL WELDED TOGETHER.
8. SERIES / MODEL DESIGNATION SGD-8800.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH, P = POCKET/HOOKSTRIP
10. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS IN A SIMILAR LOCATION.
11. WEEP SLOTS = 1/2" x 1" LOCATED @ BOTH ENDS.

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FL PE # 58201
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Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
BLZ	05/16/16
DWG #:	REV.:
CWS-1151	B
SCALE:	SHEET
1:30	1 OF 11

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ANCHOR PATTERNS.....	8-9
INSTALLATION DETAILS.....	10-11

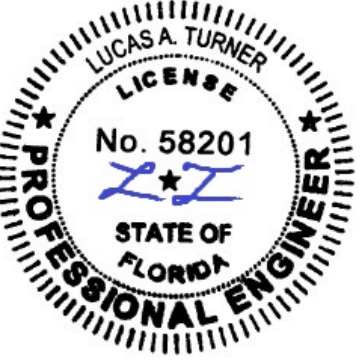
MAX. PANEL SIZE	DESIGN PRESSURE RATING	IMPACT RATING
60-15/16" x 93-3/8"	+/-80 PSF	LARGE MISSILE

*(4) PANELS SHOWN; HVHZ LIMITED TO MAX. (9) PANELS. OUTSIDE HVHZ, UNLIMITED NUMBER OF PANELS IS ALLOWABLE AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

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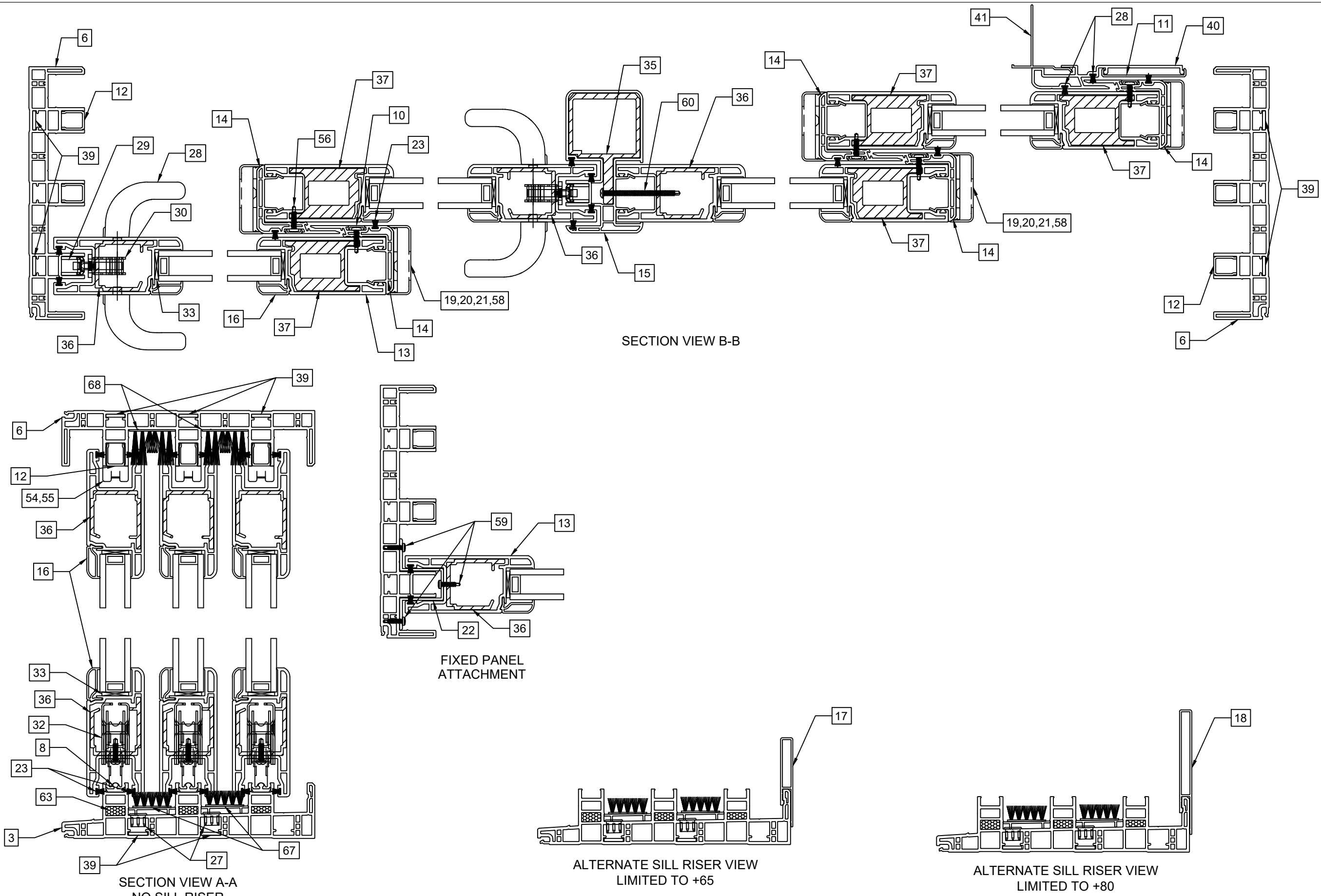
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SECTION VIEWS

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1:3	2 OF 11

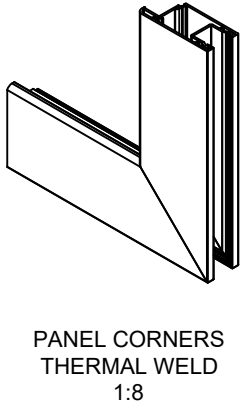
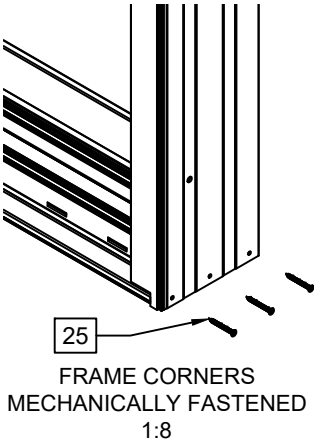
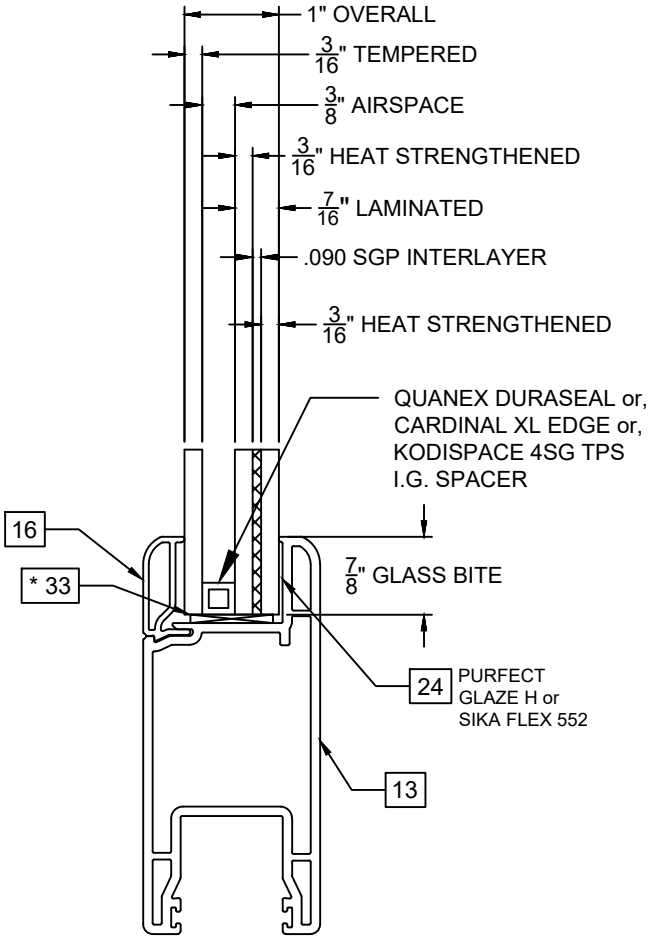


ITEMS NOT SHOWN FOR CLARITY:
20, 24-26, 31, 55-58, 61-62, 64-66

NOTES:
1) INSTALLATION W/NO SILL RISER ALLOWED TO THE FULL DP'S INDICATED ABOVE, IN LOCATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED, SUCH AS BUT NOT LIMITED TO LOCATIONS WHERE AN OVER HANG IS PRESENT THAT IS AS WIDE AS THE WALL IS TALL.

PARTS LIST			
ITEM	PART #	DESCRIPTION	MATERIAL
1	GLASS	SEE THIS SHEET	
2	H-6161	2-Track Sill	PVC
3	H-6163	3-Track Sill	PVC
4	H-6165	4-Track Sill	PVC
5	H-6160	2-Track Head/Jamb	PVC
6	H-6162	3-Track Head/Jamb	PVC
7	H-6164	4-Track Head/Jamb	PVC
8	S-2064	Roller Track Insert	Aluminum
9	S-6171	Cover, Sill Track	PVC
10	S-6169	Cover, Interlock	PVC
11	S-6172	Cover, External Reinforcement/P-Hook	PVC
12	S-6175	Track Filler, Frame	PVC
13	H-6166	Panel Stile/Rail	PVC
14	H-6168	Interlock, Snap-On	PVC
15	H-6167	Astragal	PVC
16	H-6170	Glazing Bead, I.G., 1"	PVC
17	H-2060	Sill Riser, 2.875"	Aluminum
18	H-2062	Sill Riser, 4.062"	Aluminum
19	P-5517	Panel Guide, Interlock	Aluminum
20	P-5558	Support Channel, Bot Rail, Interlock	Aluminum
21	P-5511	Cover, Panel Guide, Interlock	Nylon
22	P-5516	Bracket, Fixed Panel	Aluminum
23	P-3300	Wtsp., 0.280" x 0.187" Back, Fin, Black	
24	P-3438	Backbedding, Purfect Glaze "H" Hot Melt	Silicone
25	P-3514	Screw, #10 x 2" Ph Comb Hd	Steel
26	P-3587	Screw, #8 x 1" PH FL TEK - Roller Asm/Mortise Lock	Steel
27	P-5588	Hole Plug, 0.500" Dia.	Nylon
28	P-5536	Handle Set with Thumb Tum	
29	P-3792	Keeper	
30	P-3793	Multi-Point Mortise Lock	
31	P-4250	Screw, #10 x 2.5" PH PN SMS - Keeper	Steel
32	P-5287	Tandem Roller Assy, 2.125" Dia Wheel	
33	P-5438	Setting Blocks, 0.090" x 0.875" x 1.5"	Rubber
35	H-2068	Reinforcement, Astragal	Aluminum
36	S-1775	Reinforcement, Lock Stile/Rails	Aluminum
37	H-2111	Reinforcement, HD, Interlock	Aluminum
38	S-2071	Reinforcement, External, Interlock	Aluminum
39	S-2069	Frame Insert, Installation Anchors	Aluminum
40	H-2063	P-Hook	Aluminum
41	S-2065	P-Hook Adaptor	Aluminum
42	S-2136	Screen, Astragal	Aluminum
43	H-2135	Screen, 1-Track Head/Jamb	Aluminum
45	S-2134	Screen, 1-Track Sill	Aluminum
46	S-2053	Screen, 2-Track Head	Aluminum
47	S-2054	Screen, 2-Track Jamb	Aluminum
48	S-2055	Screen, 2-Track Sill	Aluminum
49	S-2056	Screen, 3-Track Head	Aluminum
50	S-2057	Screen, 3-Track Jamb	Aluminum

ITEM	PART #	DESCRIPTION	MATERIAL
51	S-2058	Screen, 3-Track Sill	Aluminum
52	S-2059	Screen, Snap Cover	Aluminum
53	S-2070	Screen, Interlock	Aluminum
54	P-5477	Block, Anti-Lift	Nylon
55	P-5559	Screw, #14 x 4" PH PN SMS	Steel
56	P-4269	Screw, #8 x 1" PH PN Tek	Steel
57	P-3556	Screw, #8 x 2.5" PH FL Tek	Steel
58	P-4962	Screw, #8 x 3" PH FL Tek	Steel
59		Screw, #12 x 1 1/2" PH PN SMS	Steel
60	P-3609	Bumper, Panel Stop	Rubber
61	P-4291	Panel Stop Housing	Nylon
62	P-5479	Foam Block, Open Cell, 0.844" x 0.531" x 1"	
63	P-5492	Gasket, Frame Assembly, 2-Track	Butyl
64	P-5493	Gasket, Frame Assembly, 3-Track	Butyl
65	P-5494	Gasket, Frame Assembly, 4-Track	Butyl
66	P-4659	Dust Plug, 1-1/4" x 3" x 0.5"	
67	P-4366	Dust Plug, 1" x 3" x 1"	
68		Screen, Spline	Rubber
69		Screen, Cloth	



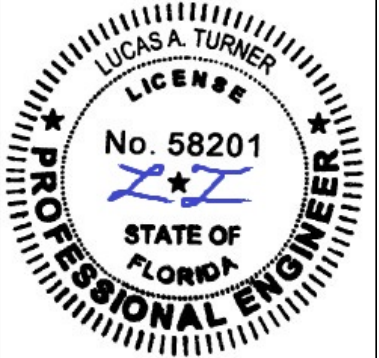
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SHEET DESCRIPTION:

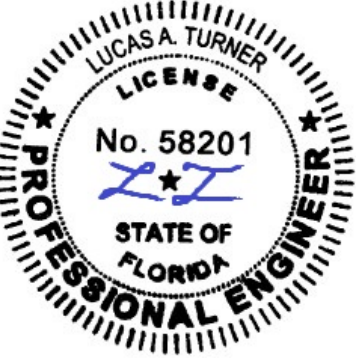
BOM AND GLAZING
DETAIL

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1:2	3 OF 11

* SETTING BLOCKS PER FBC 2411.3.3.1

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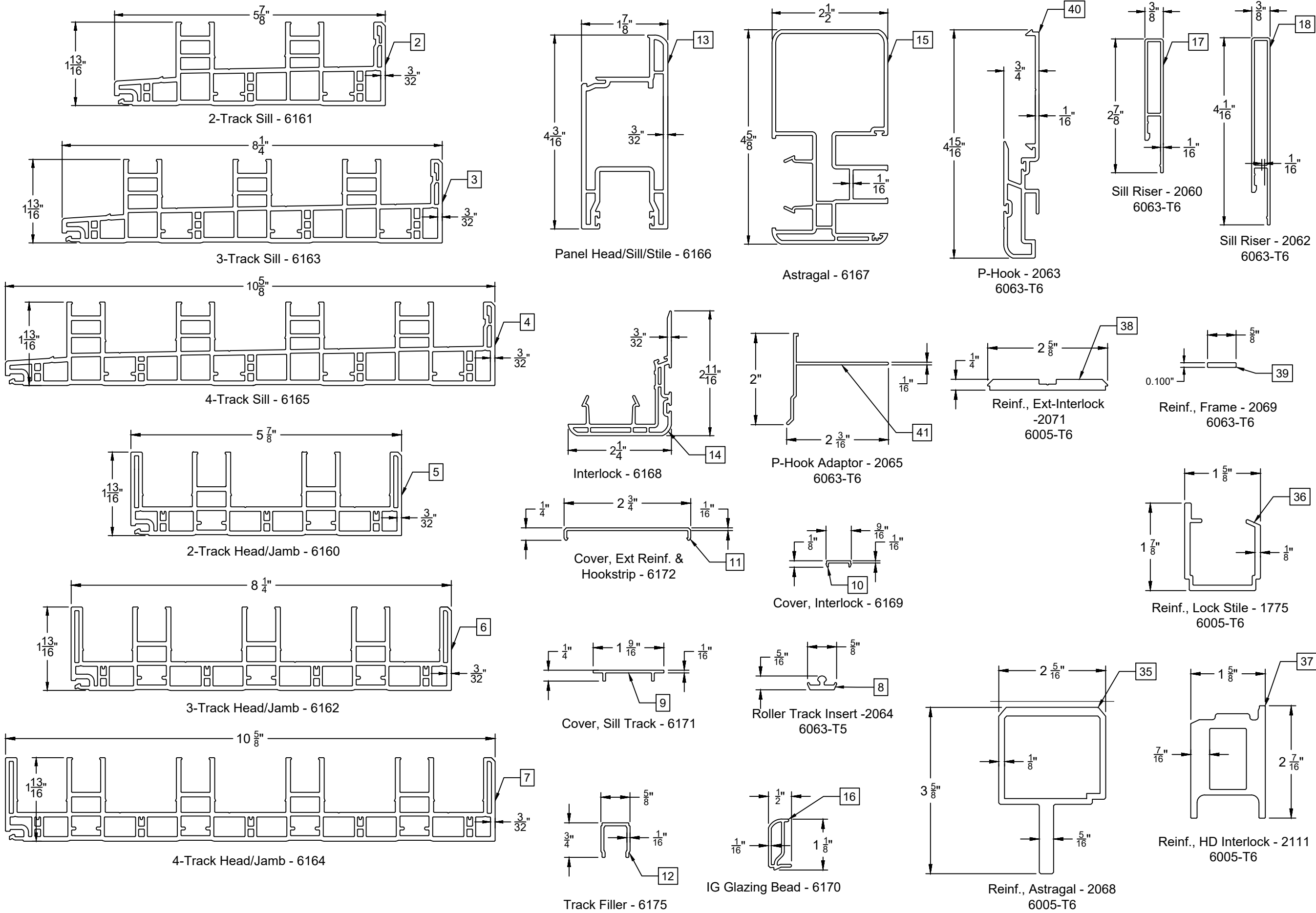
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EXTRUSIONS

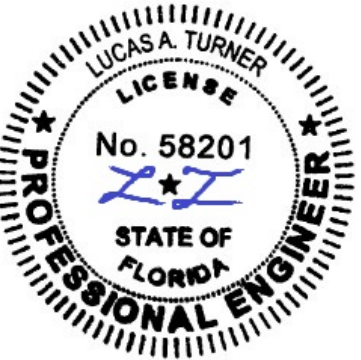
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1:2	4 OF 11



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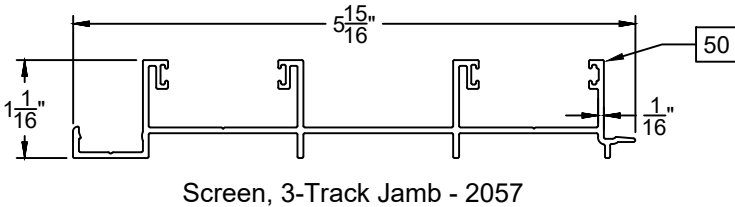
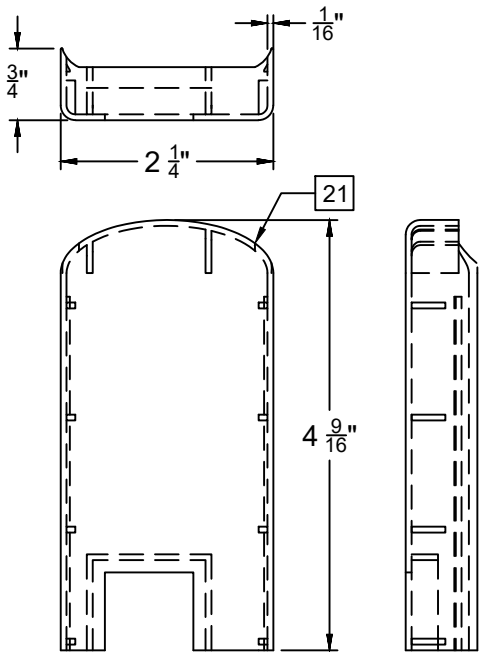
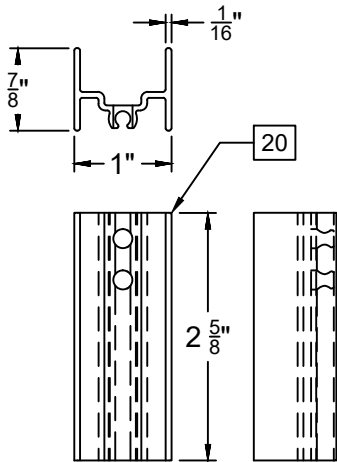
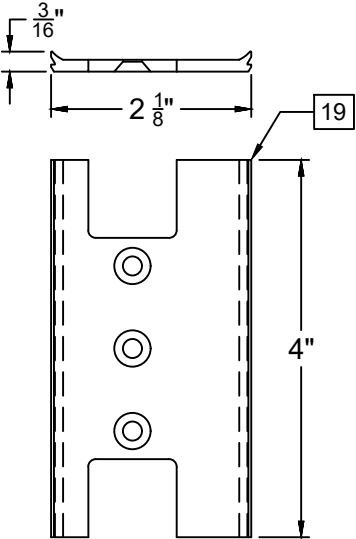
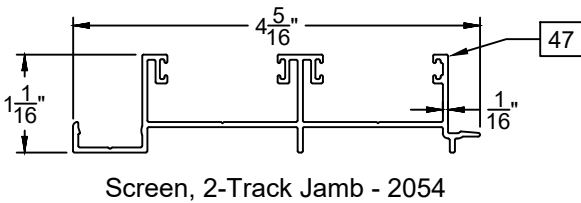
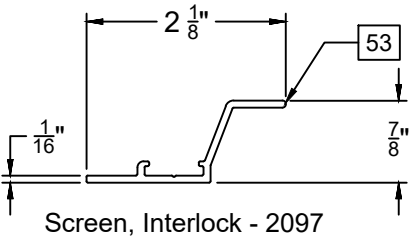
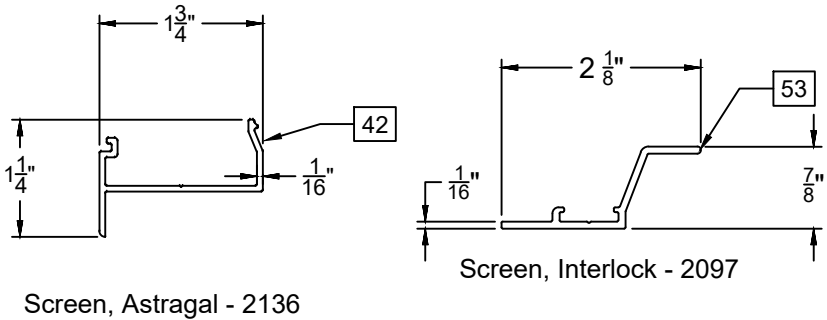
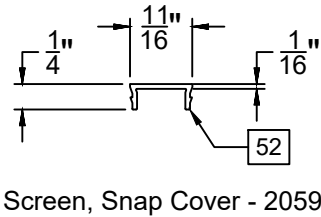
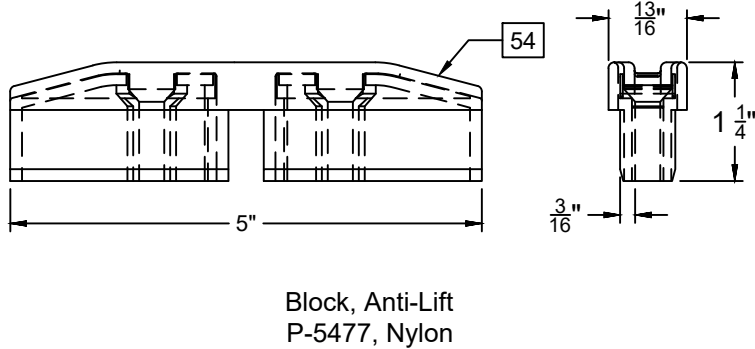
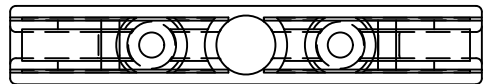
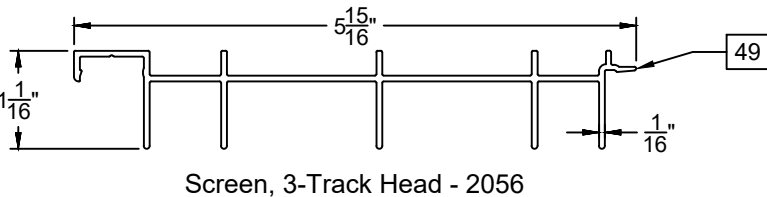
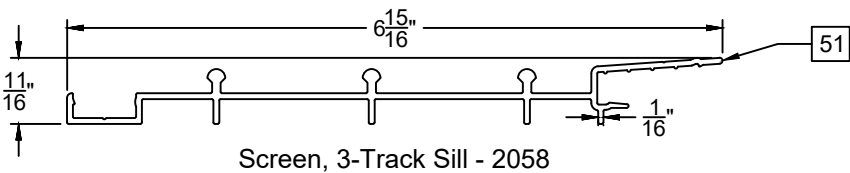
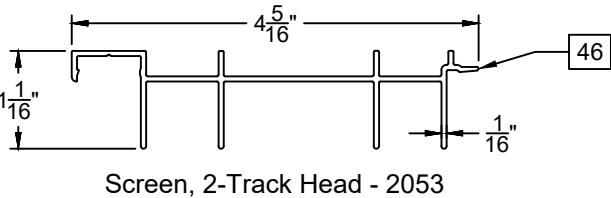
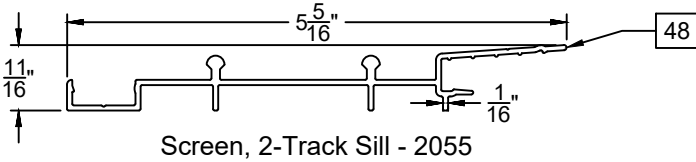
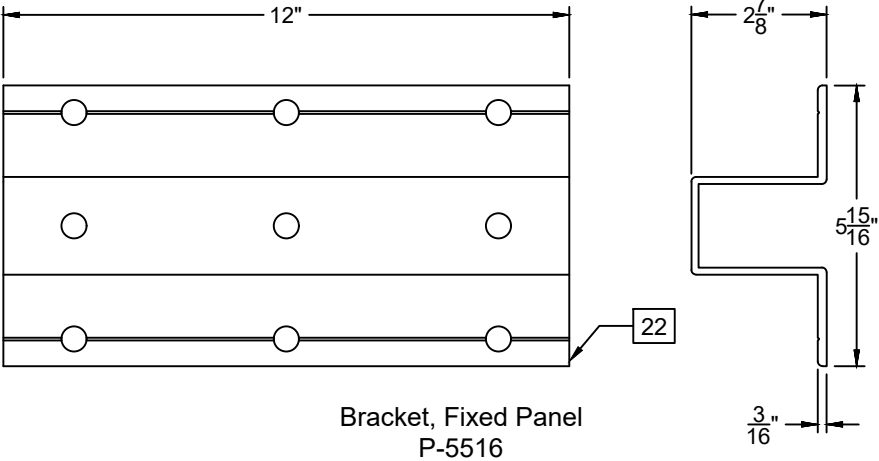
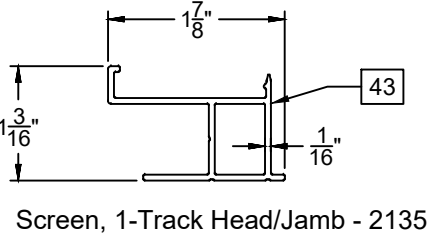
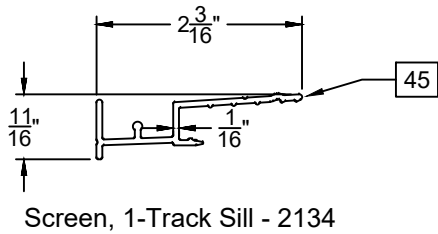
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SHEET DESCRIPTION:

EXTRUSIONS

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1:2	5 OF 11

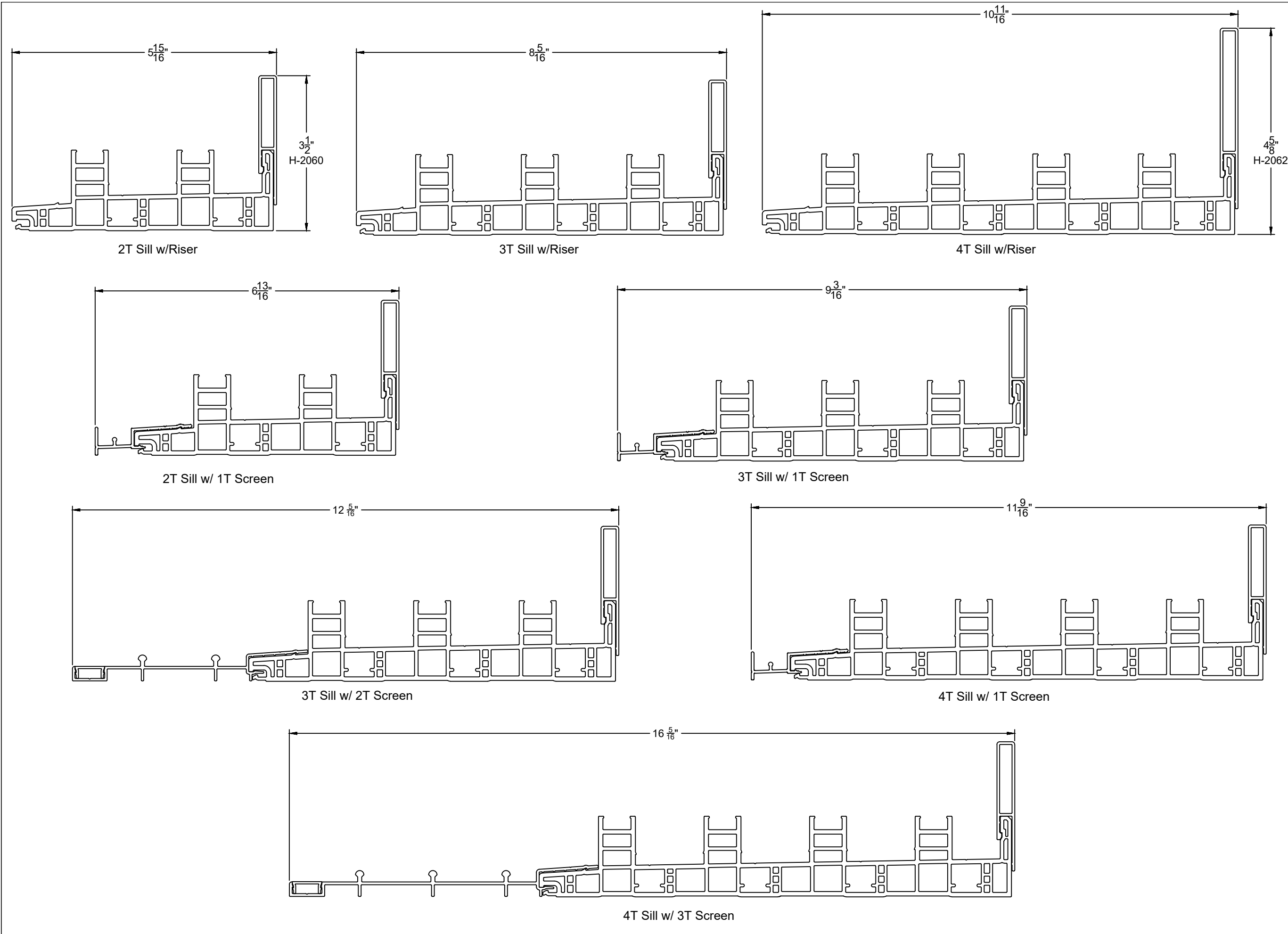


Panel Guide, Interlock - P-5517

Support Channel, Bot
Rail - Interlock - P-5558

Cover, Interlock - Reinf.
P-5511, Nylon

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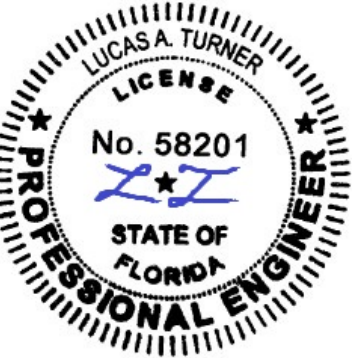
SHEET DESCRIPTION:

TRACK WIDTHS

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SCALE: 1:2	SHEET 6 OF 11

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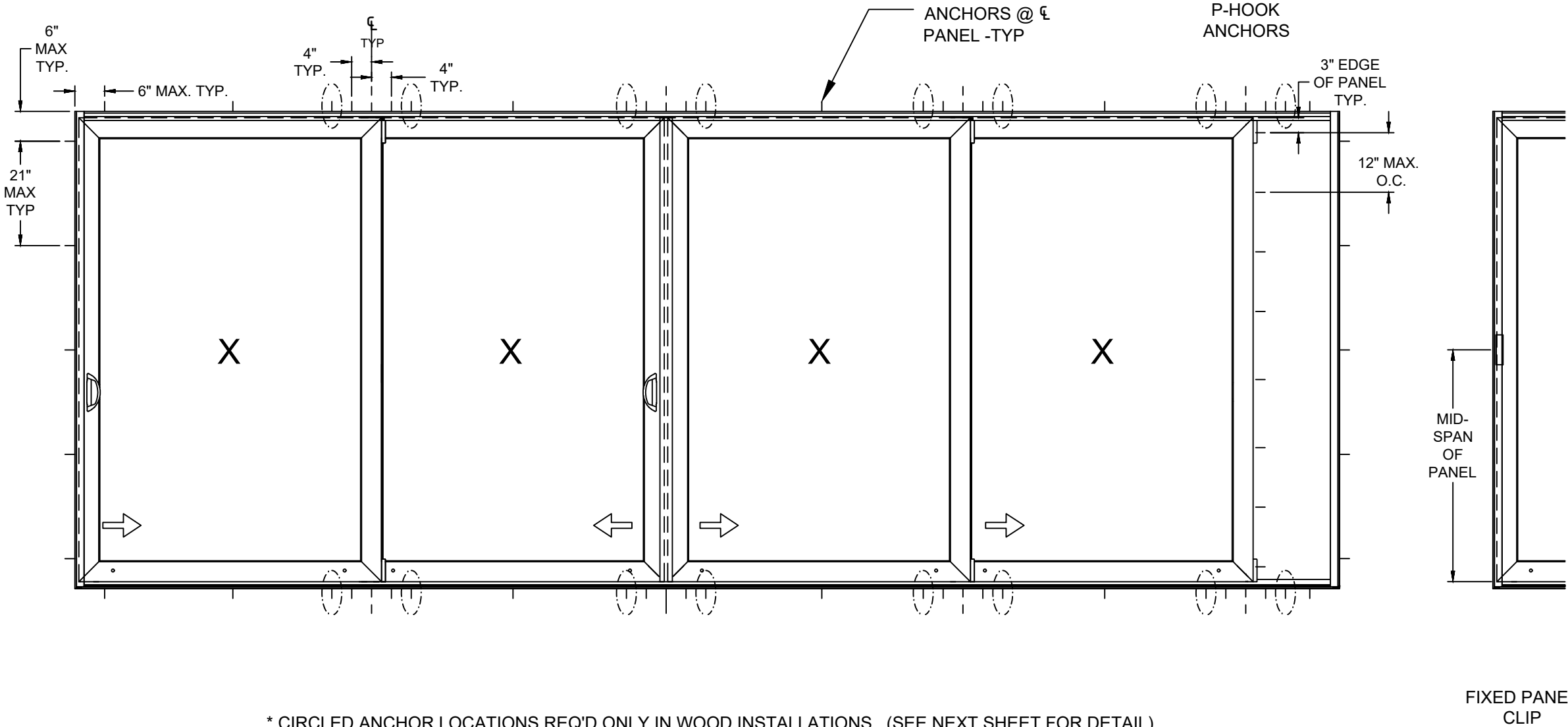


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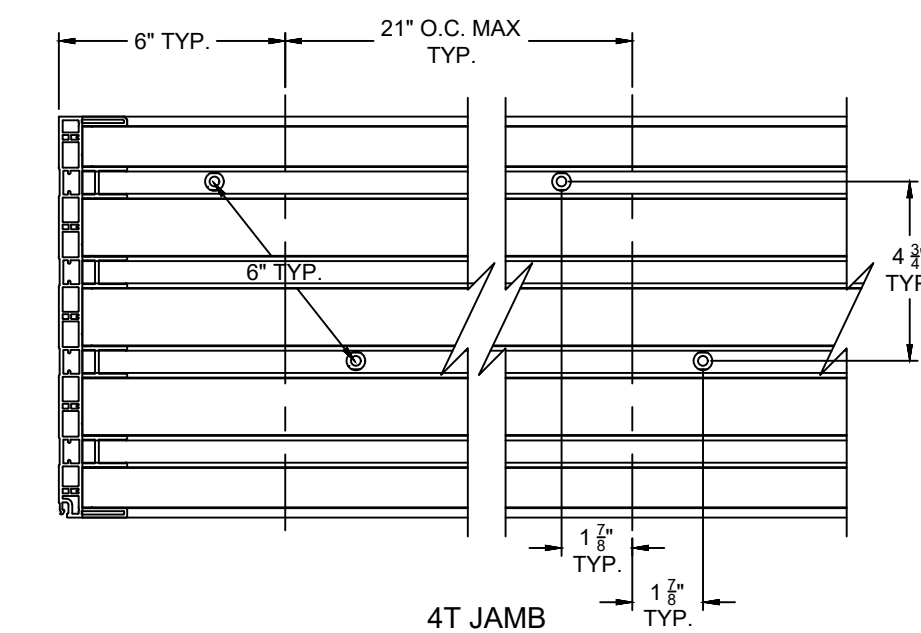
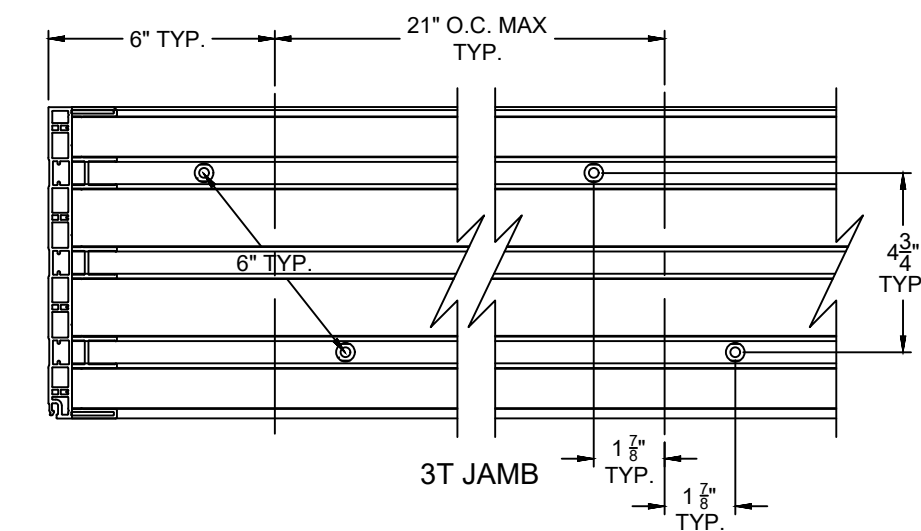
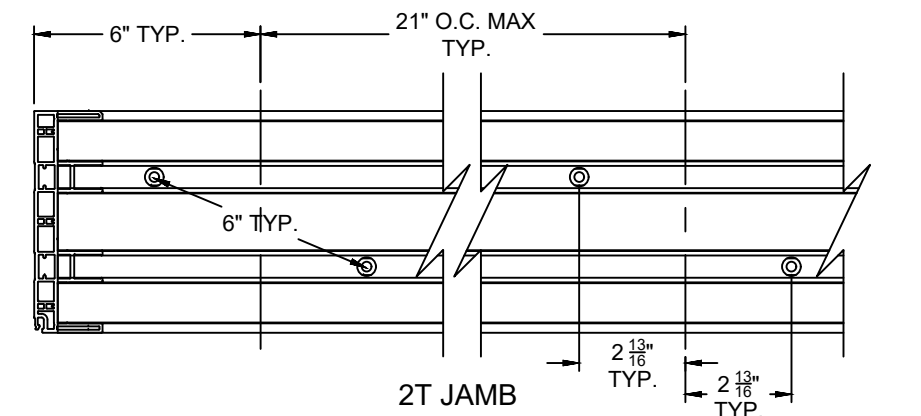
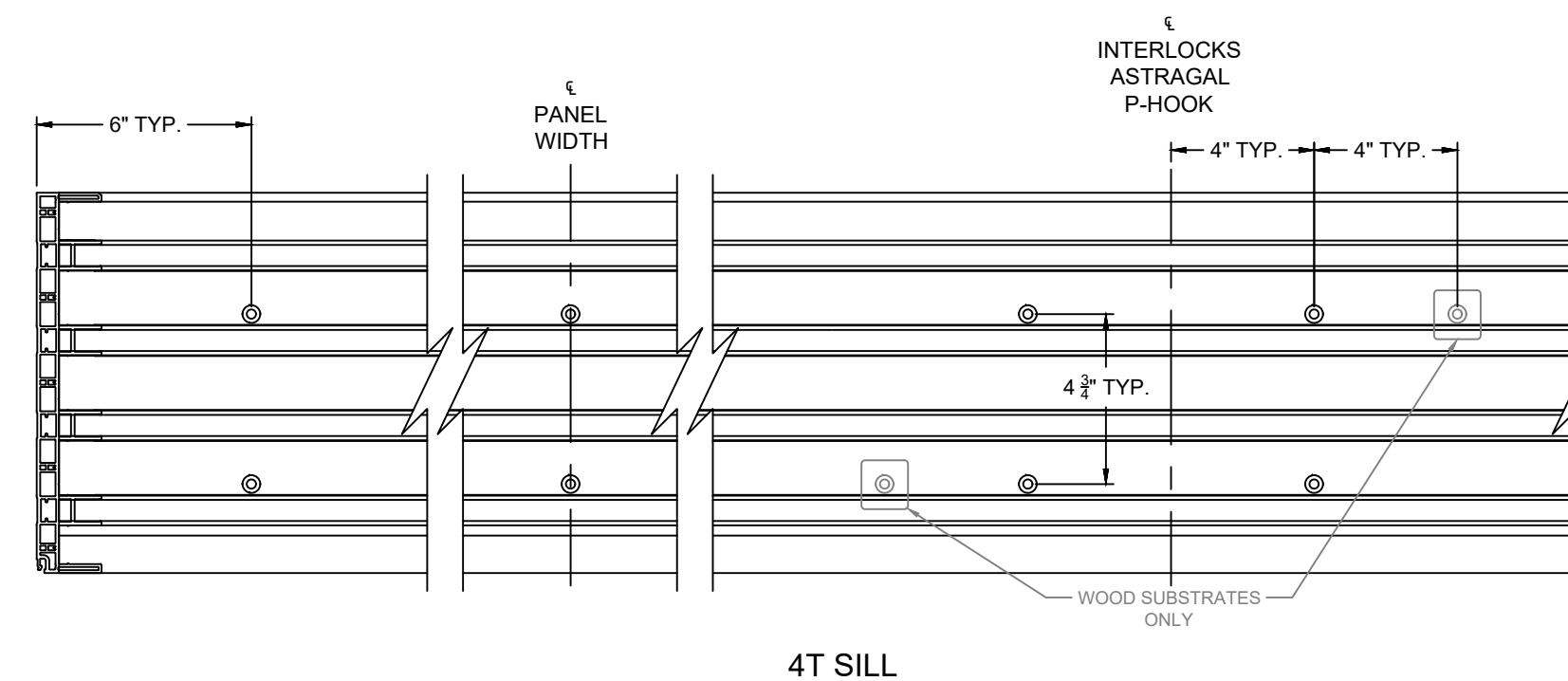
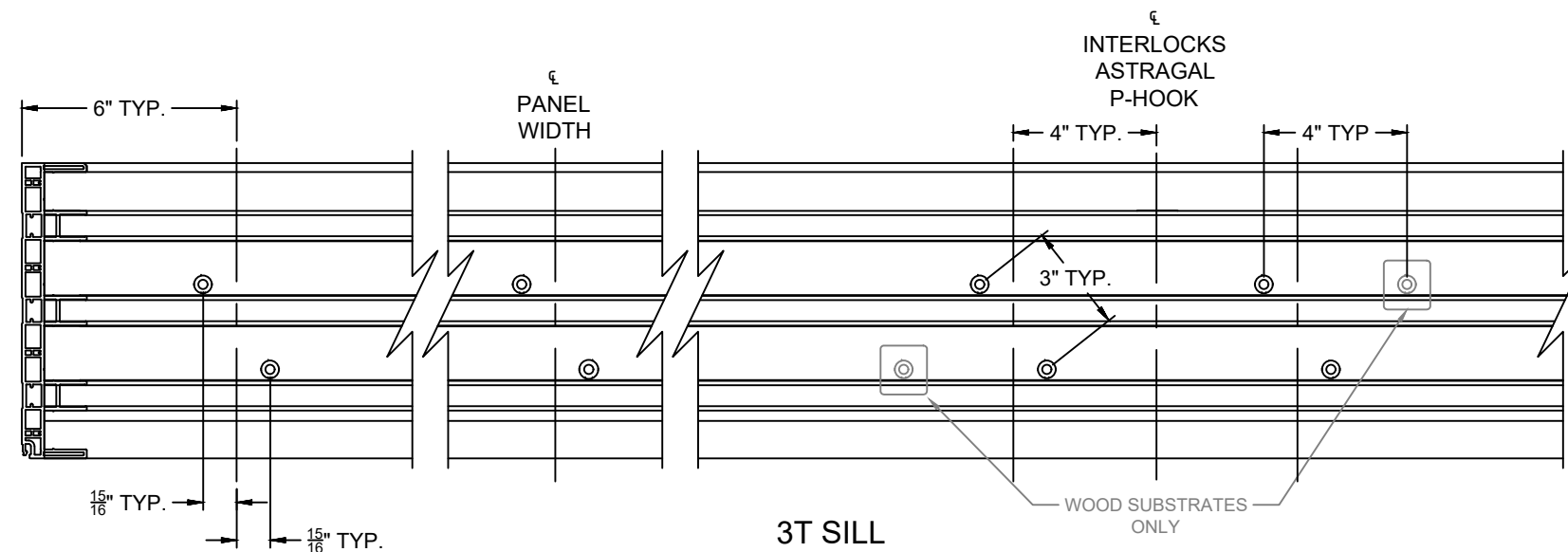
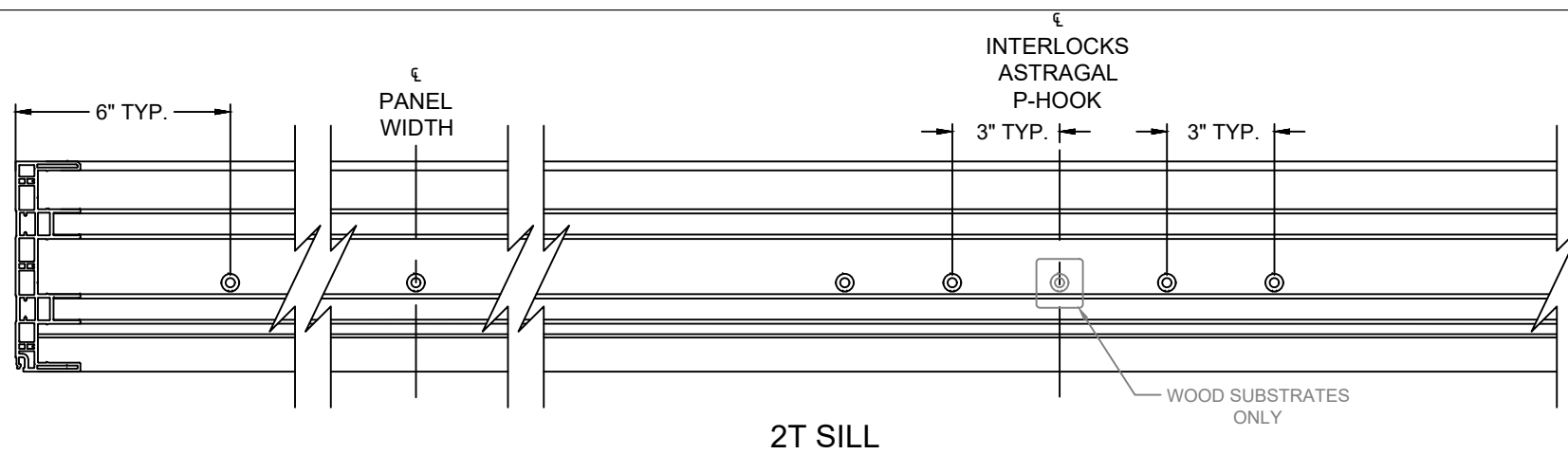
SHEET DESCRIPTION:
ANCHOR SCHEDULE AND
NOTES

DRAWN BY:	DATE:
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DWG #:	REV.:
CWS-1151	B
SCALE:	SHEET
1:25	7 OF 11



* CIRCLED ANCHOR LOCATIONS REQ'D ONLY IN WOOD INSTALLATIONS. (SEE NEXT SHEET FOR DETAIL)

- NOTES:
1. INSTALL TWO ANCHORS AT EACH INSTALLATION LOCATION (SEE LAYOUT DETAILS ON SHEETS 8 & 9), EXCEPT FOR 2T SILL & WOOD INSTALLATION LOCATIONS. SEE SPECIAL LOCATIONS AND SPACING FOR 2T SILL (SHEET 8). INSTALL ONE ANCHOR AT EACH WOOD INSTALLATION LOCATION (CIRCLED). SILL ANCHOR SPACING SAME AS HEAD FOR 3T AND 4T. INSTALL ONE ANCHOR AT EACH LOCATION IN HOOKSTRIP.
 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 10.
 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 10.
 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 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 SOLID CONCRETE, 6" FOR CMU 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 TABLE1, SHEET 10. 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)



NOTE: ϕ = CENTERLINE OF INTERLOCK OR ASTRAGAL

* CIRCLED ANCHOR LOCATIONS REQ'D ONLY IN WOOD INSTALLATIONS.

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8800 PVC SLIDING GLASS DOOR - IMPACT

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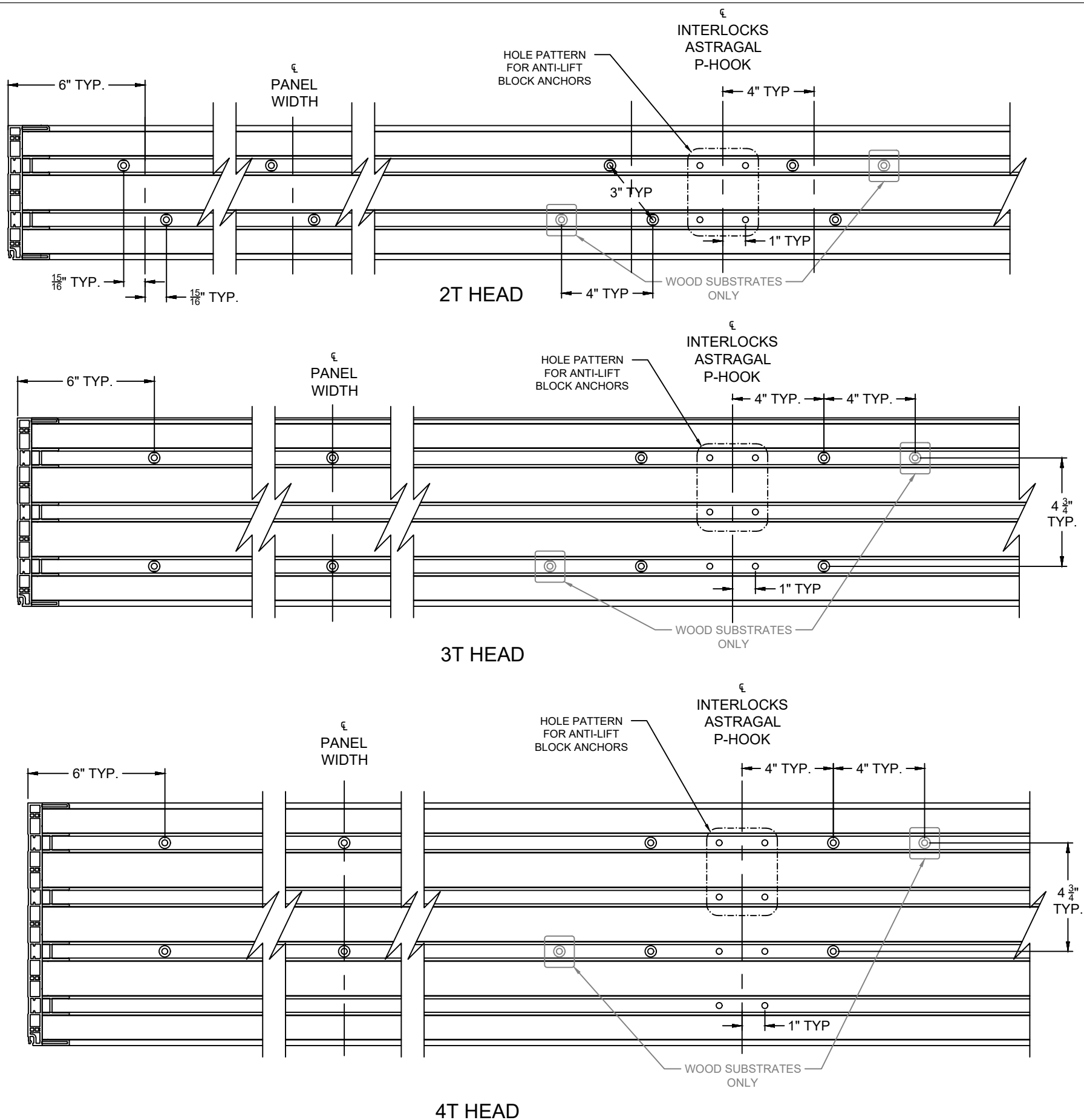
8/6/2020

LUCAS A. TURNER, P.E.
FL PE # 58201
2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

ANCHOR PATTERNS
(JAMB & SILL)

DRAWN BY:	DATE:
BLZ	05/16/16
DWG #:	REV.:
CWS-1151	B
SCALE:	SHEET
1:5	8 OF 11

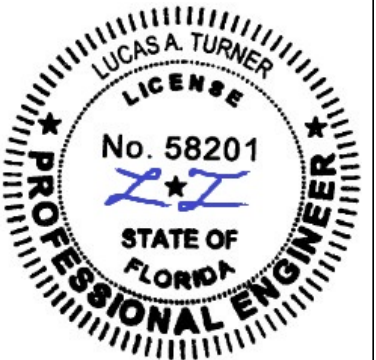


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NOTE: $\varnothing$ = CENTERLINE OF INTERLOCK OR ASTRAGAL

**8800 PVC
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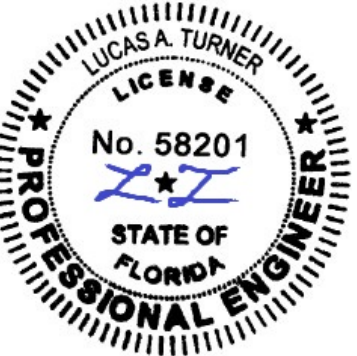
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SHEET DESCRIPTION:
**ANCHOR PATTERNS
 (HEAD)**

DRAWN BY:	DATE:
BLZ	05/16/16
DWG #:	REV.:
CWS-1151	B
SCALE:	SHEET
1:5	9 OF 11

8800 PVC
SLIDING GLASS
DOOR - IMPACT

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SHEET DESCRIPTION:

INSTALLATION DETAILS
2 TRACK

DRAWN BY: BLZ
DATE: 05/16/16

DWG #: CWS-1151
REV.: B

SCALE: 1:3
SHEET 10 OF 11

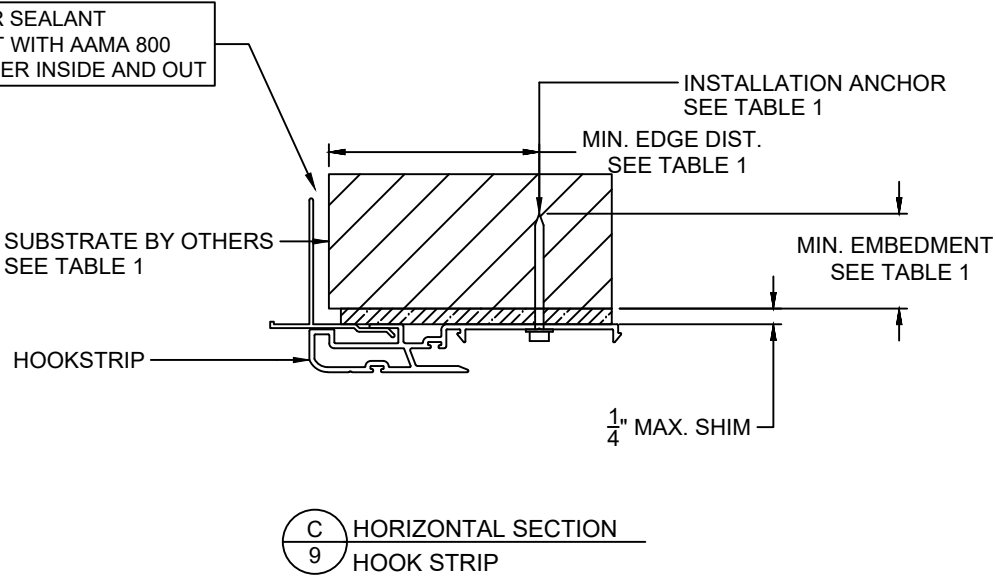
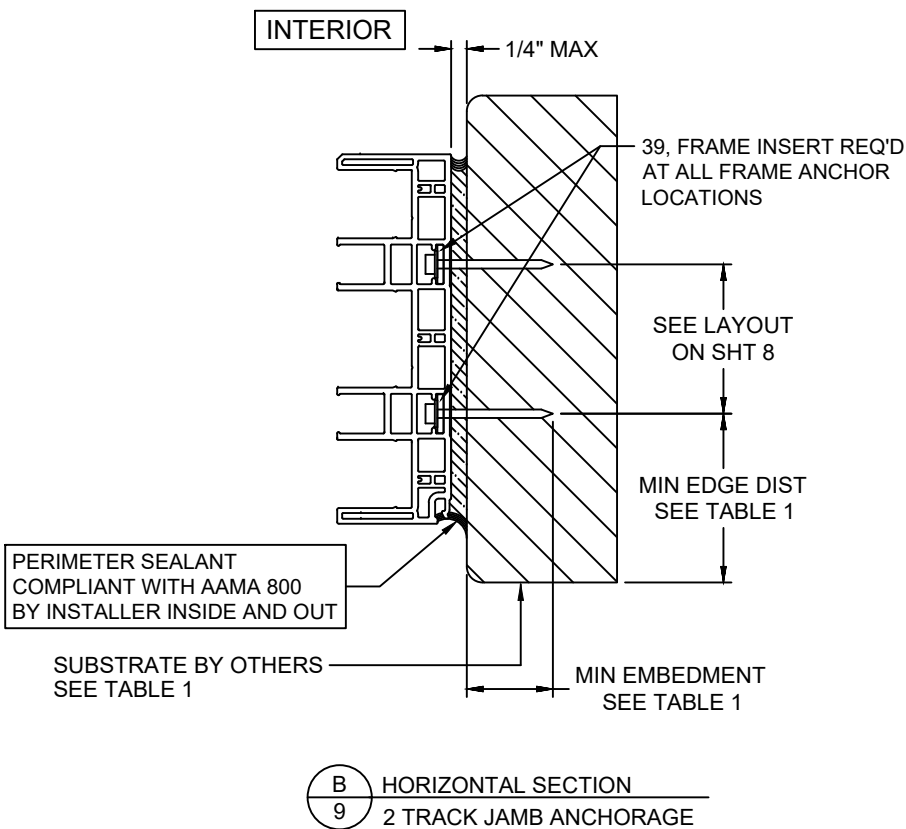
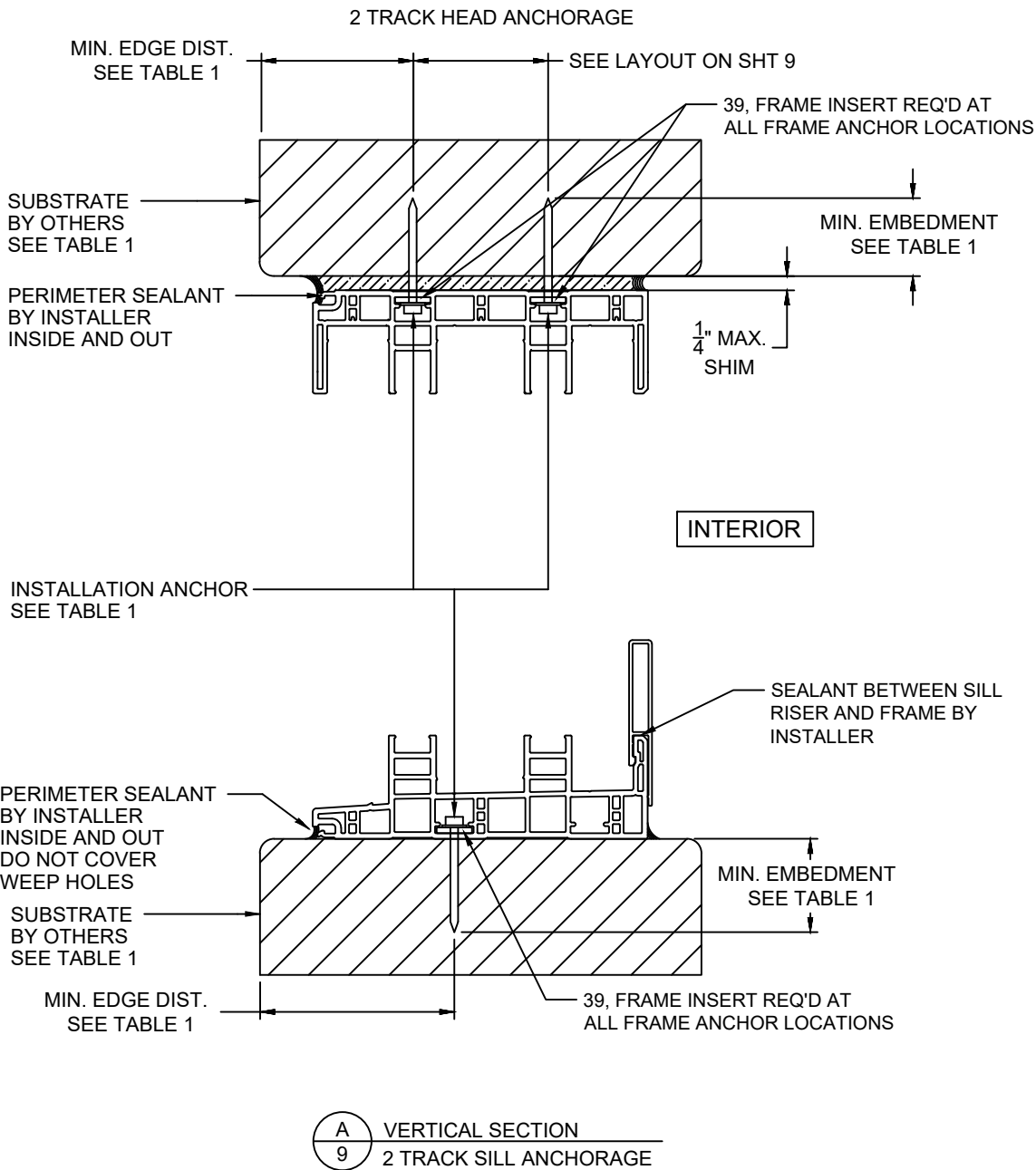
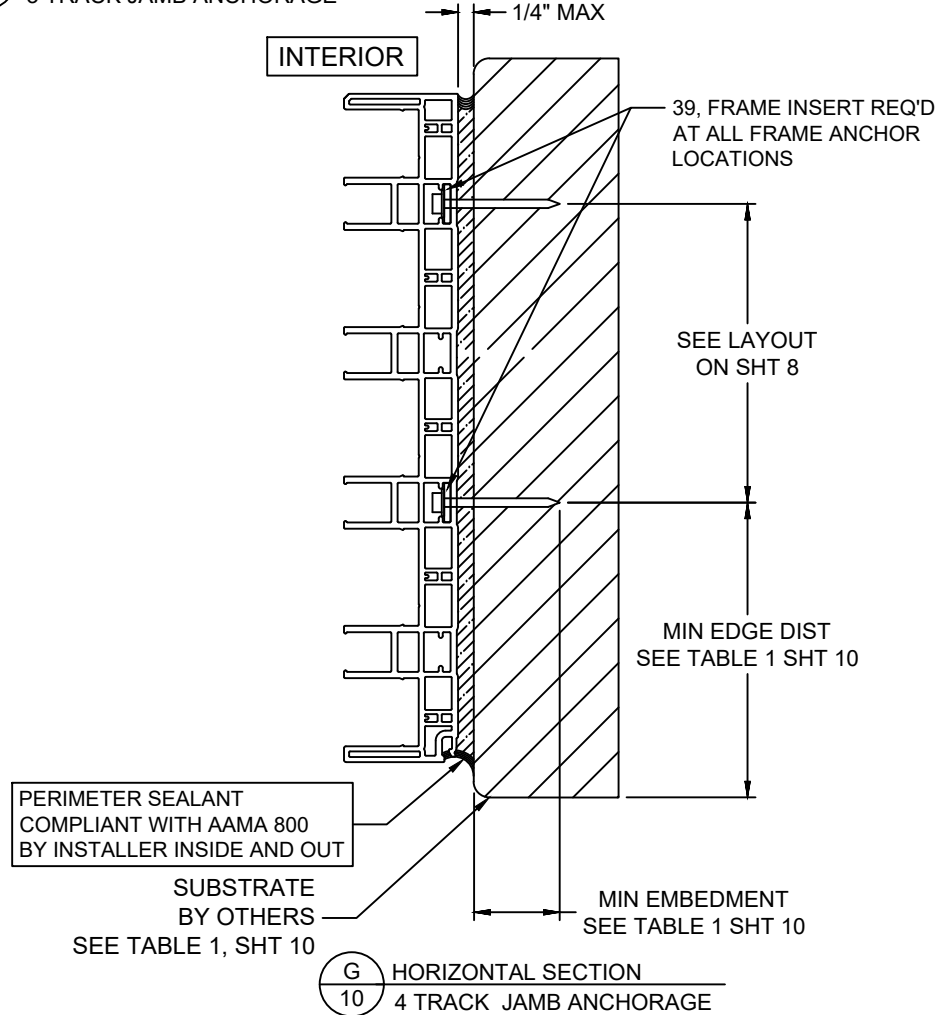
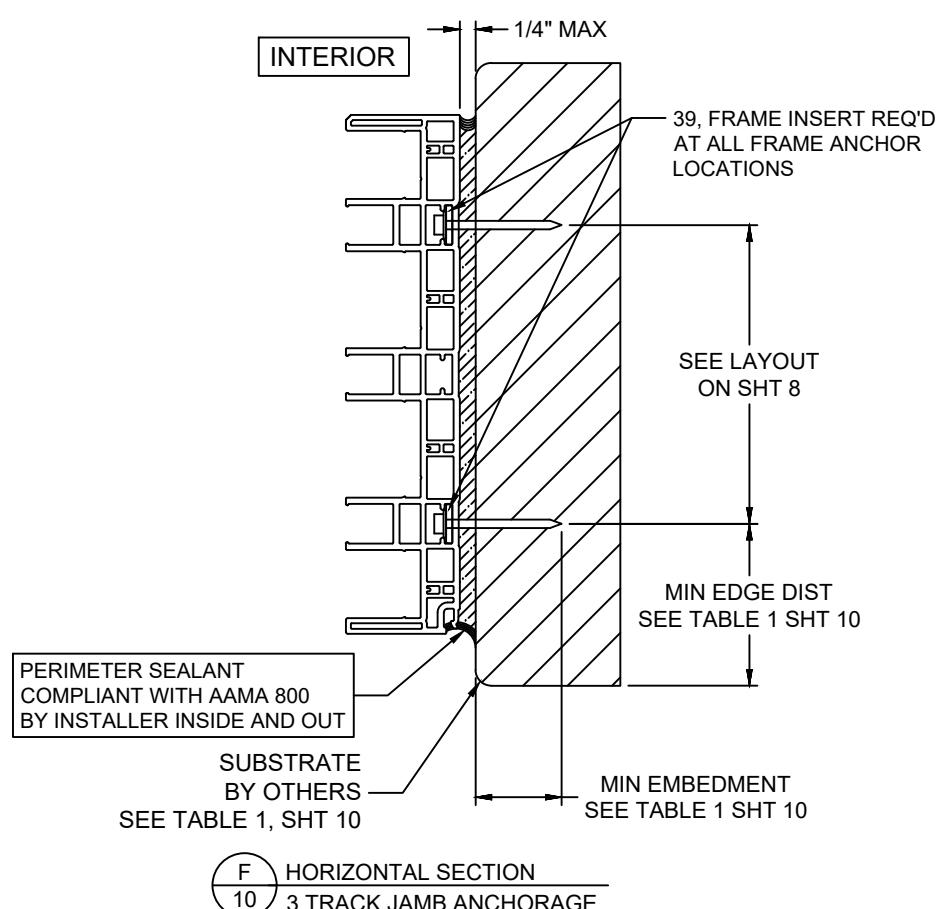
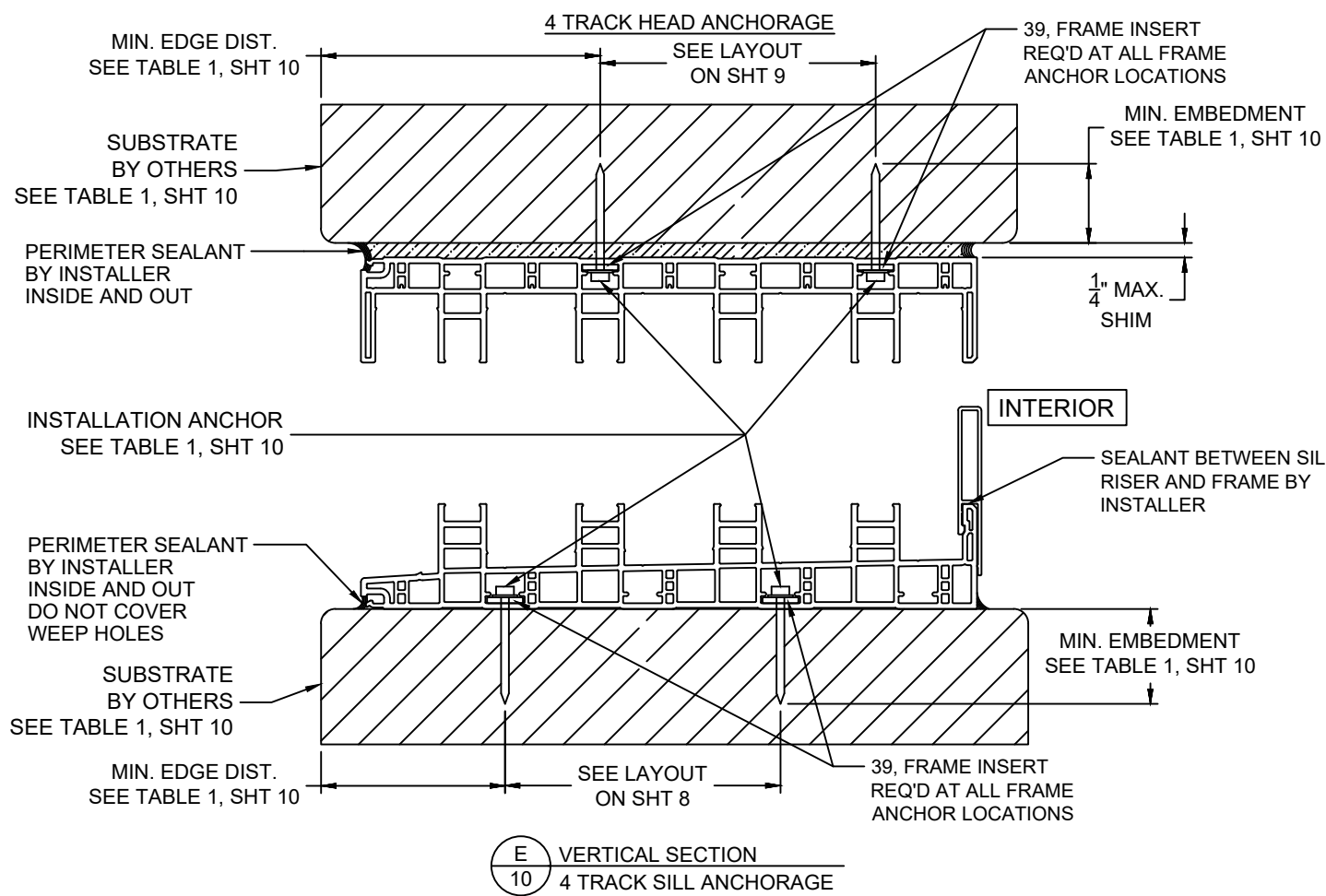
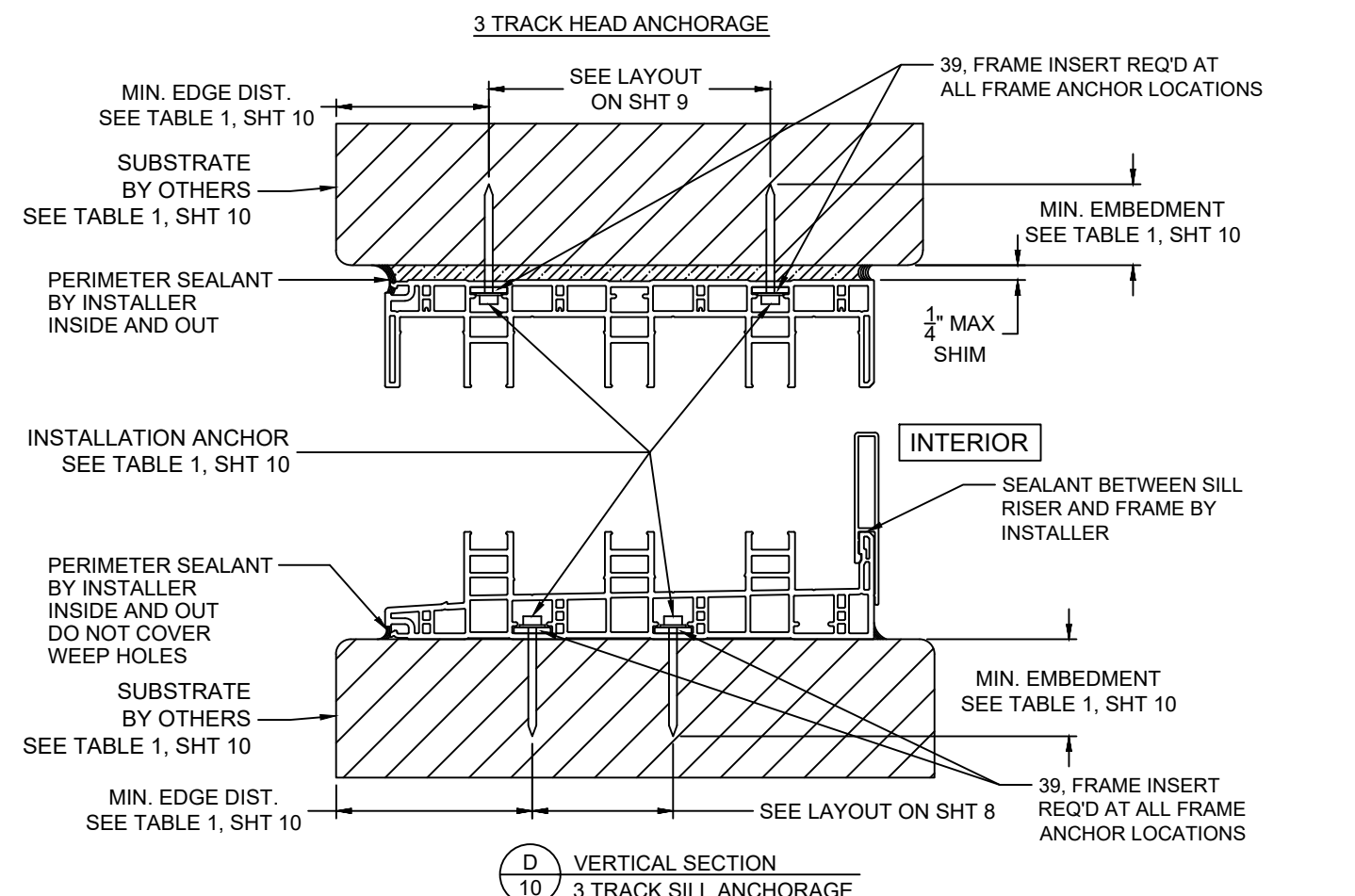


TABLE 1: APPROVED INSTALLATION FASTENERS

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN.)	1/4" ITW TAPCON	1-1/2"	4"
CONCRETE (2.85 KSI MIN.)	1/4" ELCO ULTRACON	1-3/4"	2-1/2"
2X MIN. SOUTHERN PINE (G=0.55)	1/4" ITW TAPCON OR 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"
HOOKSTRIP OR JAMB FRAME ONLY: HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" ELCO ULTRACON	1-3/4"	2-1/2"



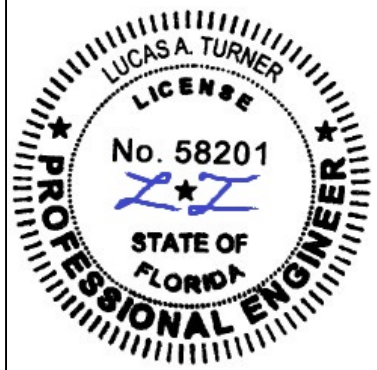
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SHEET DESCRIPTION:
**INSTALLATION DETAILS
3 & 4 TRACK**

DRAWN BY:	DATE:
BLZ	05/16/16
DWG #:	REV.:
CWS-1151	B
SCALE:	SHEET
1:3	11 OF 11