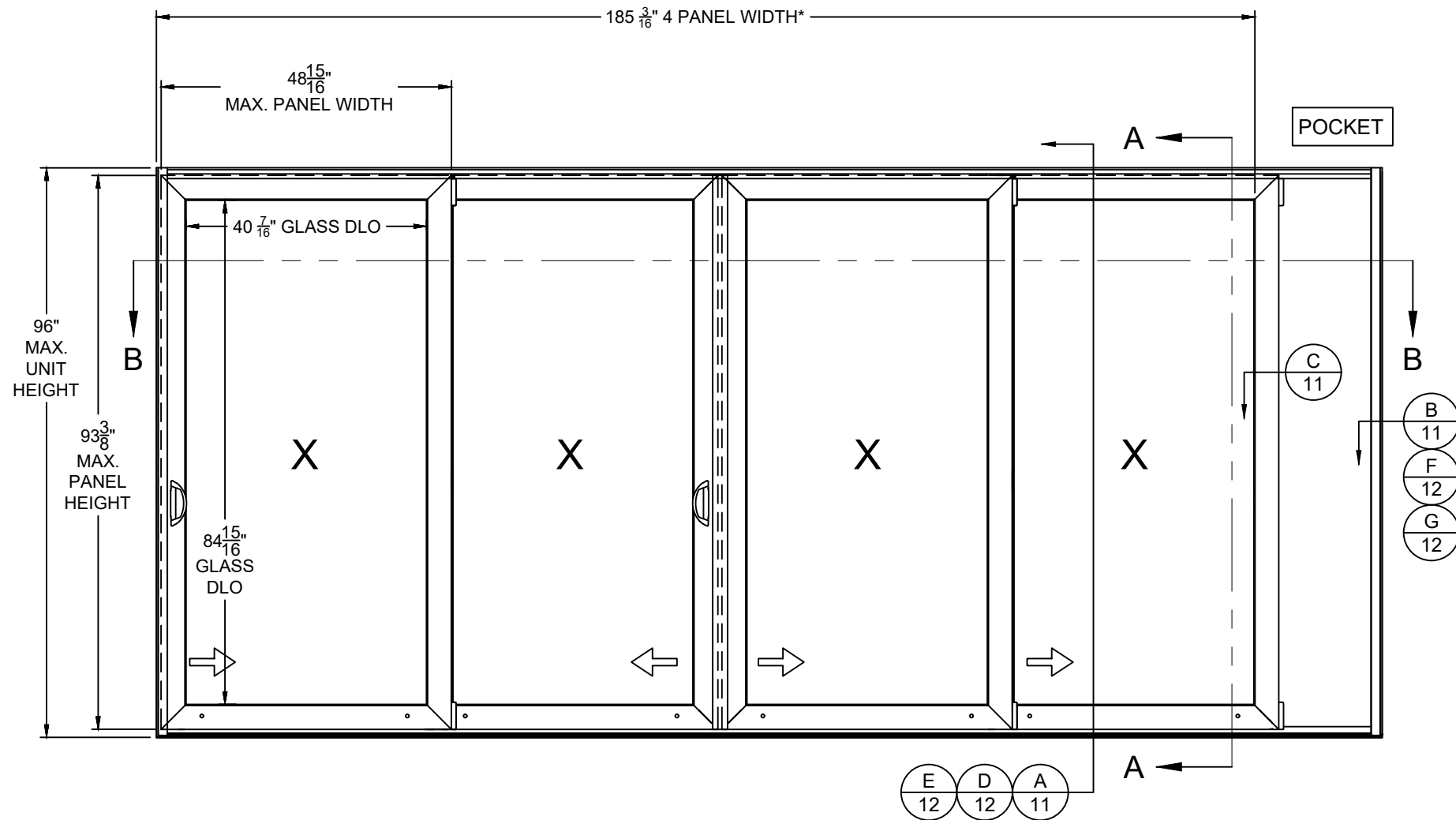


SLIDING GLASS DOOR - LARGE MISSILE IMPACT



GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE AND 2018 INTERNATIONAL RESIDENTIAL CODE.
2. GLAZING OPTIONS: (SEE SHEET 2)
3. APPROVED CONFIGURATIONS INCLUDE BUT ARE NOT LIMITED TO:
 "XO", "OX", "XX", "OXO", "XXX", "OXXO", "XXXX", "PX", "PXX", "PXXX", "PXXX", "PXXP", "PXXXXP", "PXXXXXP", "PXXXXXXP"
 2 TRACK, 3 TRACK, 4 TRACK
4. 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.
5. PRODUCT APPROVED FOR IMPACT USE. SHUTTERS ARE NOT REQUIRED.
6. ALL FRAMES ARE PROCESSED AND SCREWED TOGETHER. VENTS ARE PROCESSED AND THERMAL WELDED TOGETHER.
7. SERIES / MODEL DESIGNATION SGD-8800.
8. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
 X = OPERABLE SASH, O = FIXED SASH, P = POCKET/HOOKSTRIP
9. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS IN A SIMILAR LOCATION.
10. WEEP SLOTS = 1/2" x 1" LOCATED @ BOTH ENDS.

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8800 PVC SLIDING GLASS DOOR - IMPACT

NO.	DESCRIPTION:	BY:	DATE:



5/28/2020

LUCAS A. TURNER, P.E.
 TX PE #115094
 TBPE REG. #F-18075
 2428 OLD NATCHEZ TRC TRL
 CAMDEN, TN 38320
 PH. 941-380-1574

SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

DRAWN BY: BLZ	DATE: 05/06/16
DWG #: TDI-1150	REV.: -
SCALE: 1:30	SHEET 1 OF 11

TABLE OF CONTENTS

GENERAL NOTES & ELEVATIONS....1
 SECTION VIEWS.....2
 BOM & GLAZING DETAIL.....3
 EXTRUSIONS.....4-5
 TRACK WIDTHS.....6
 ANCHOR SCHEDULE & NOTES.....7
 ANCHOR PATTERNS.....8-9
 INSTALLATION DETAILS.....10-11

MAX. PANEL SIZE	DESIGN PRESSURE RATING	GLASS TYPE (SEE SHT 4)	IMPACT RATING
48-15/16" x 93-3/8"	+/-50 PSF	A	LARGE MISSILE IMPACT
	+/-65 PSF	B	LARGE MISSILE IMPACT

*(4) PANELS SHOWN; UNLIMITED NUMBER OF PANELS IS ALLOWABLE AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

8800 PVC SLIDING GLASS DOOR - IMPACT

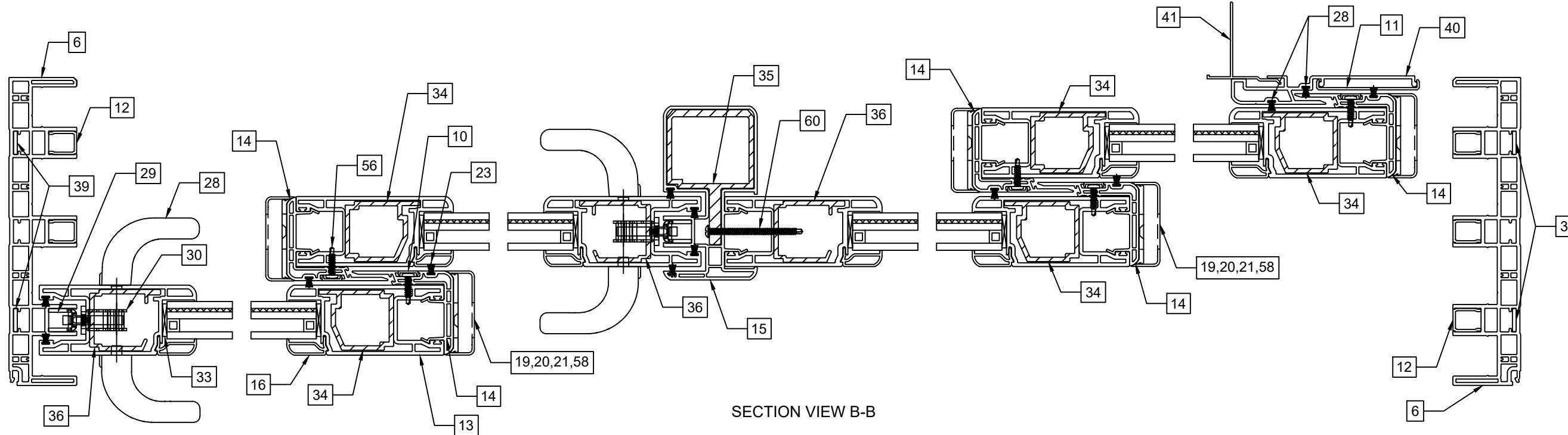
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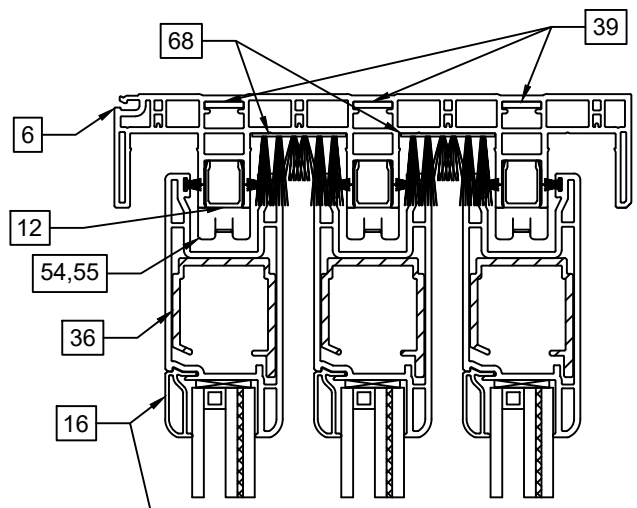
5/28/2020
 LUCAS A. TURNER, P.E.
 TX PE #115094
 TBPE REG. #F-18075
 2428 OLD NATCHEZ TRC TRL
 CAMDEN, TN 38320
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SHEET DESCRIPTION:
SECTION VIEWS

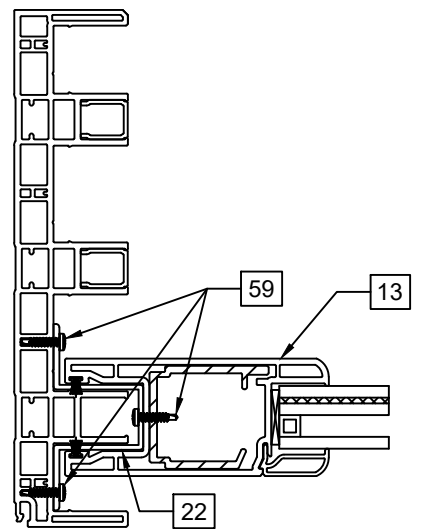
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DWG #: TDI-1150	REV.: -
SCALE: 1:3	SHEET 2 OF 11



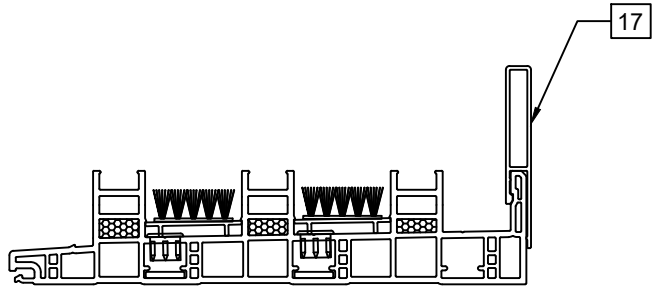
SECTION VIEW B-B



SECTION VIEW A-A
NO SILL RISER



FIXED PANEL ATTACHMENT



ALTERNATE SILL RISER VIEW
LIMITED TO +65

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.

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

**8800 PVC
SLIDING GLASS
DOOR - IMPACT**

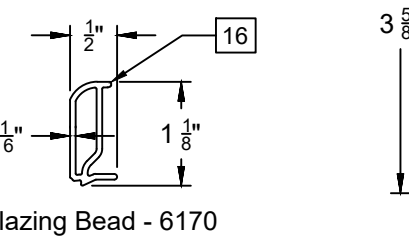
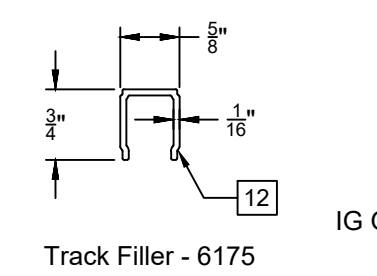
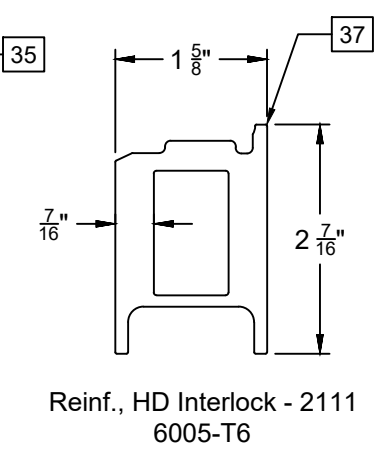
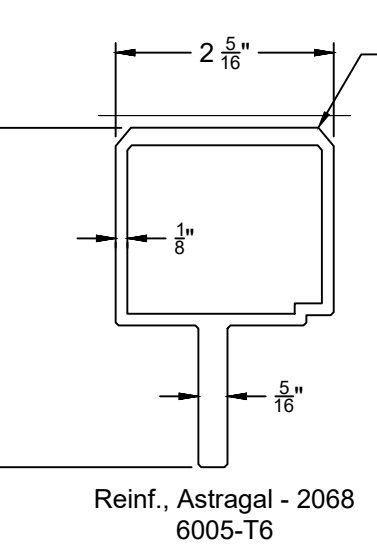
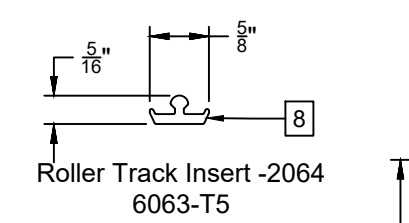
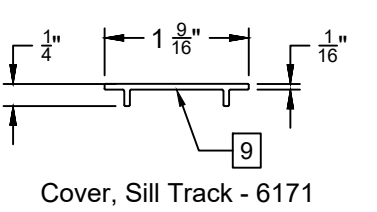
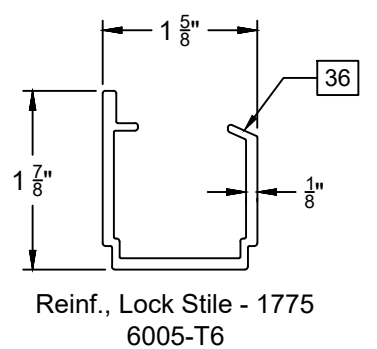
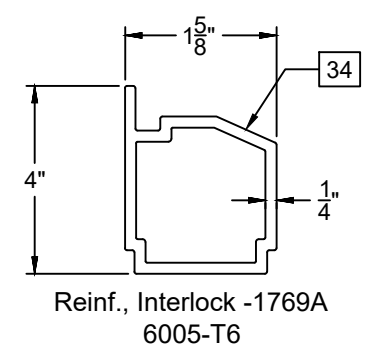
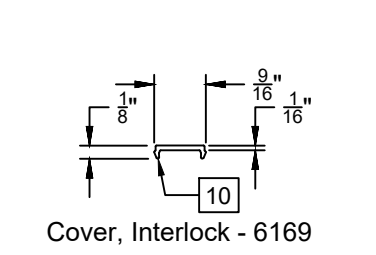
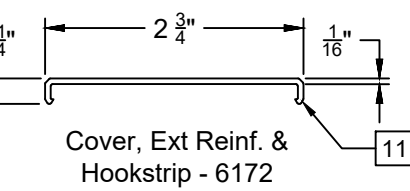
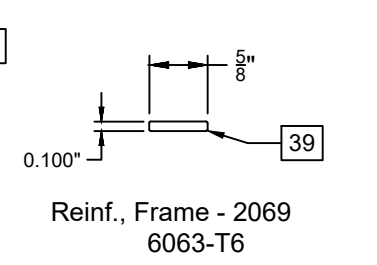
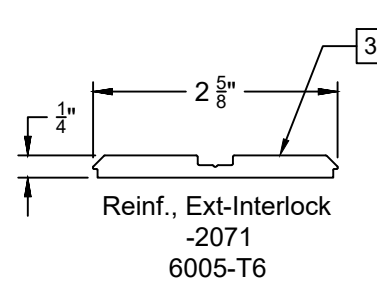
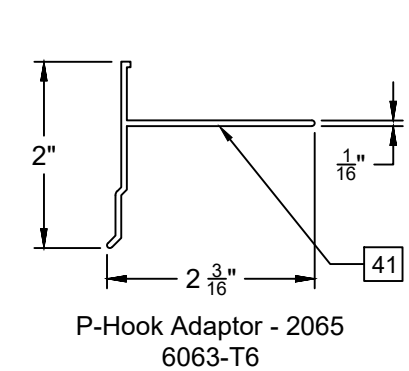
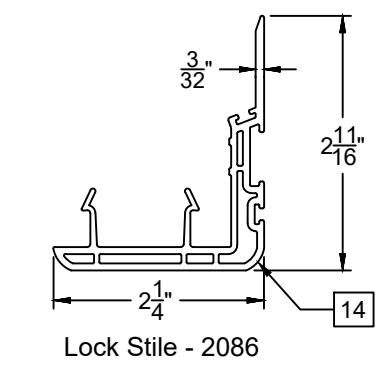
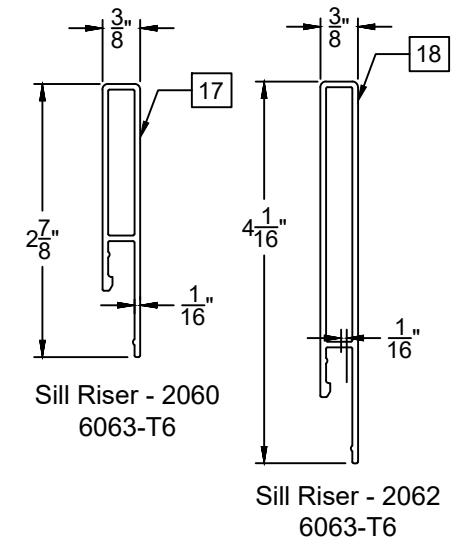
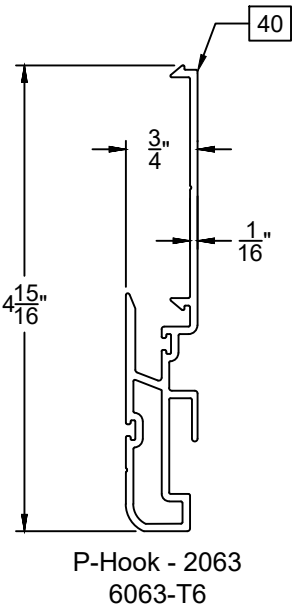
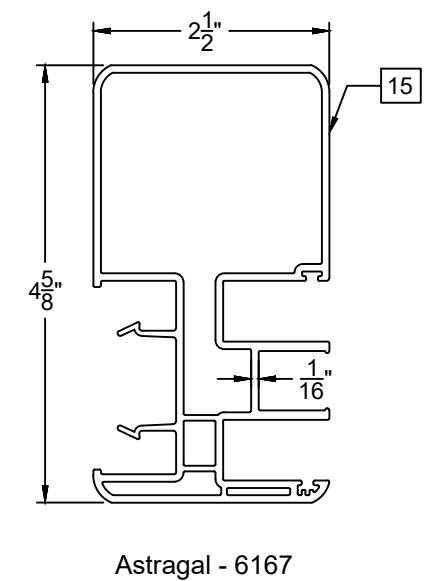
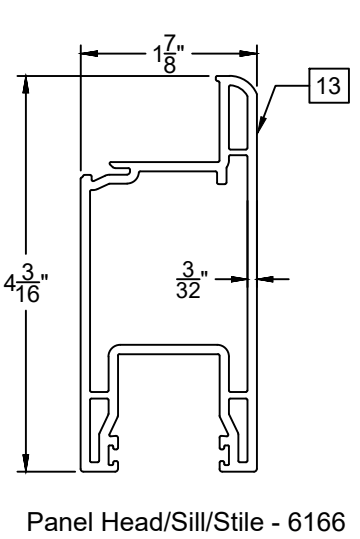
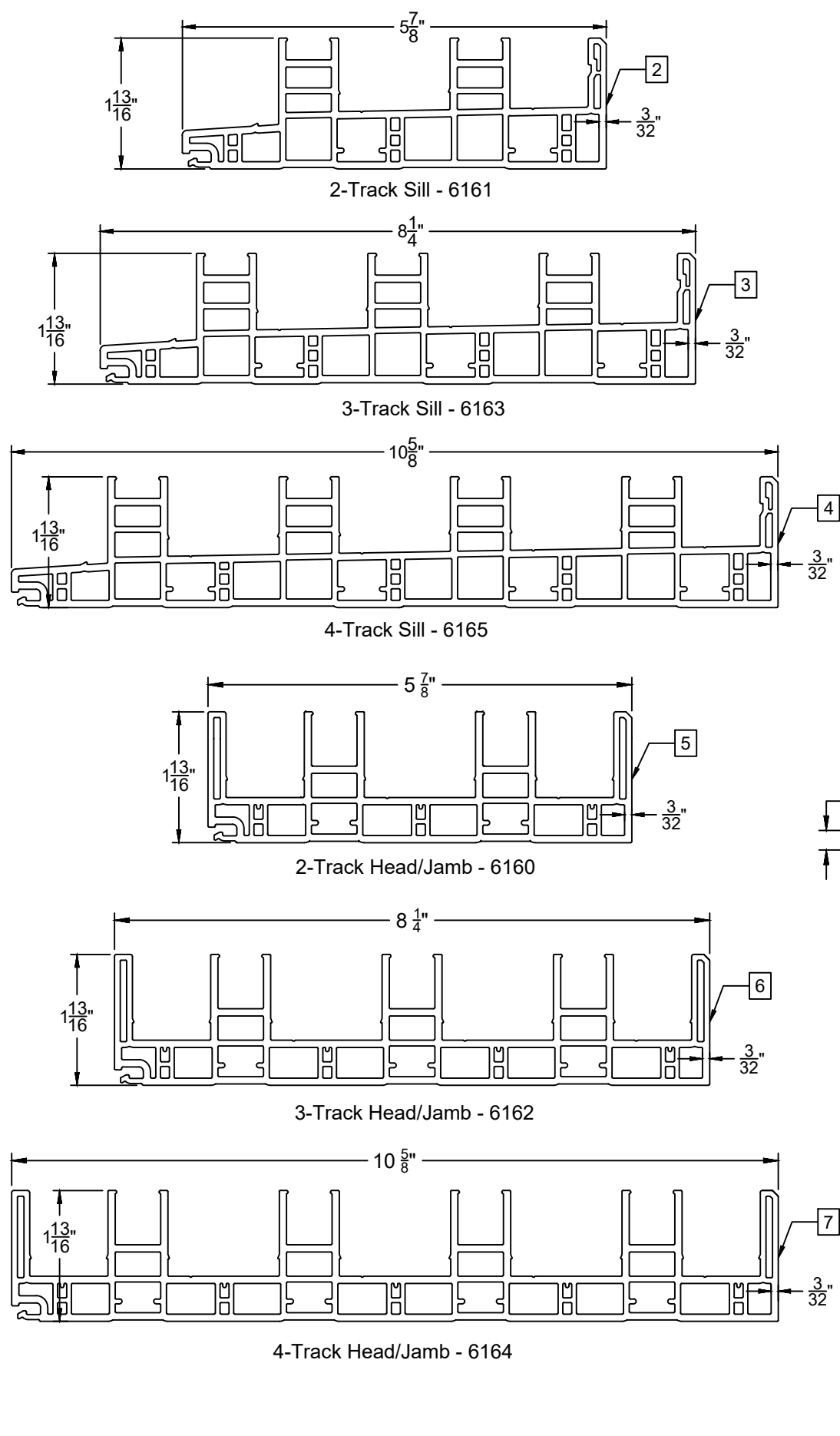
NO.	DESCRIPTION	BY:	DATE:



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TBPE REG. #F-18075
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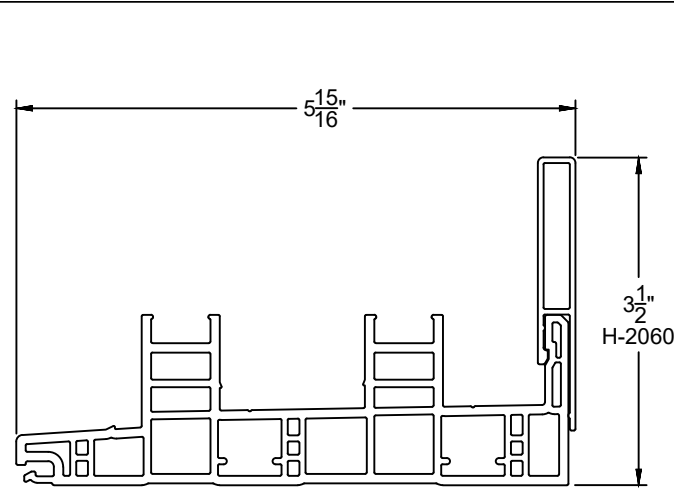
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EXTRUSIONS

DRAWN BY: BLZ	DATE: 05/06/16
DWG #: TDI-1150	REV.: -
SCALE: 1:2	SHEET 4 OF 11

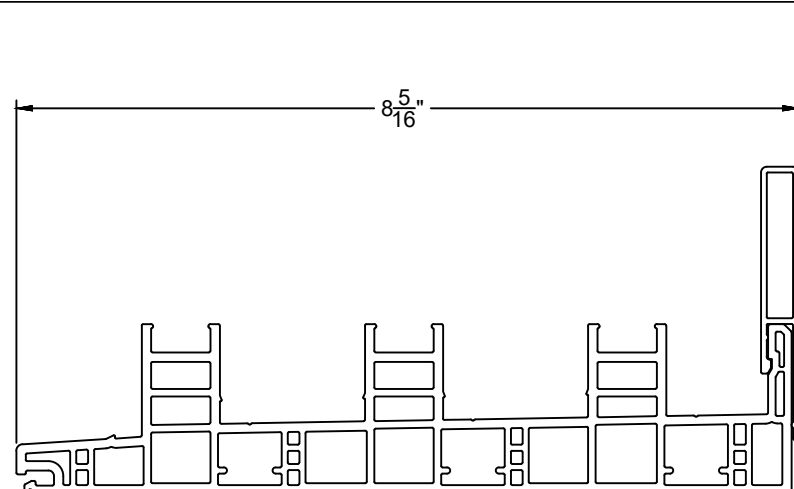


NOTE: ALL EXTRUSIONS ARE RIGID PVC UNLESS OTHERWISE NOTED.

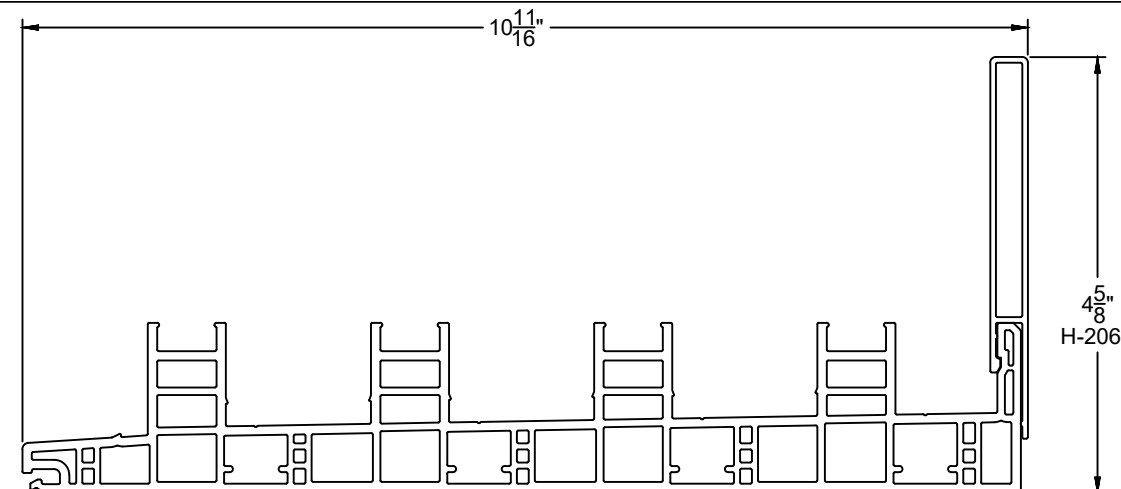
**8800 PVC
SLIDING GLASS
DOOR - IMPACT**



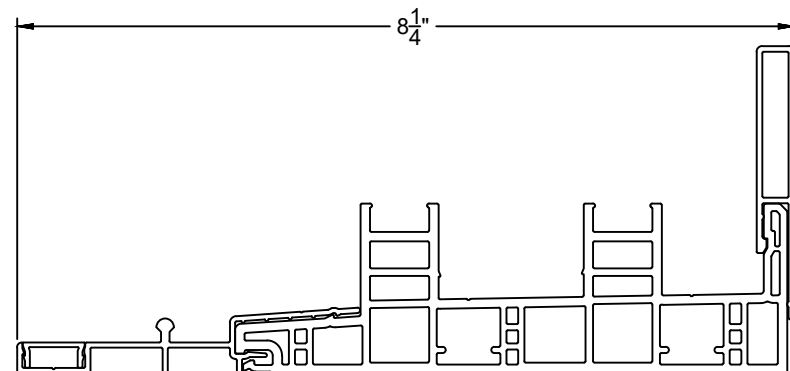
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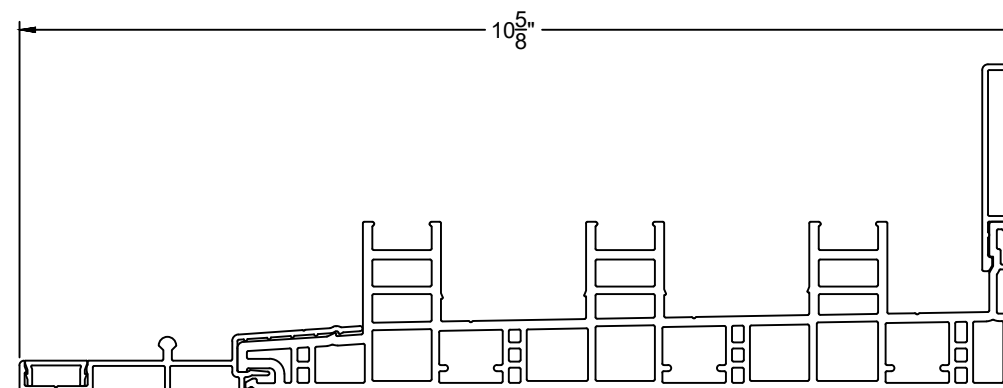
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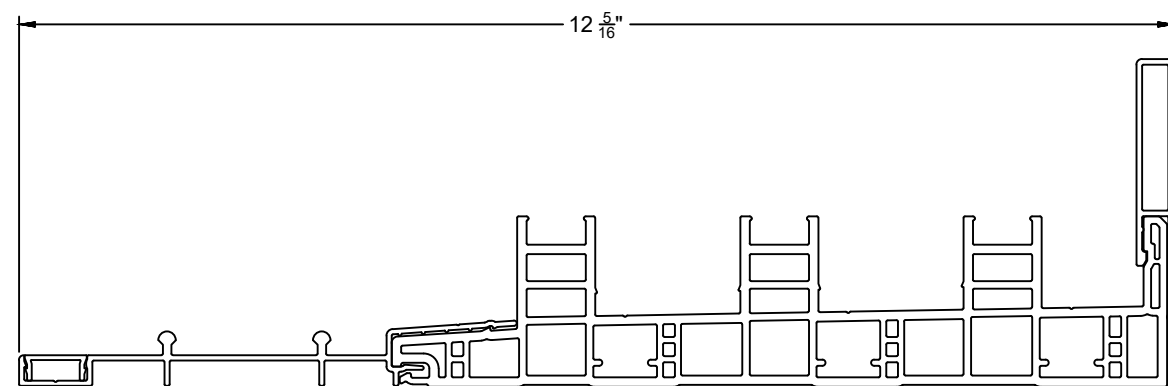
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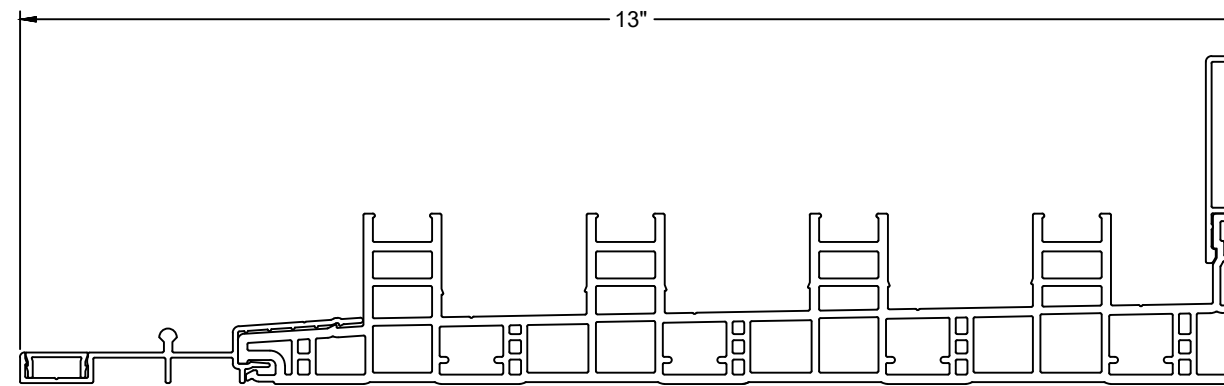
2T Sill w/ 1T Screen



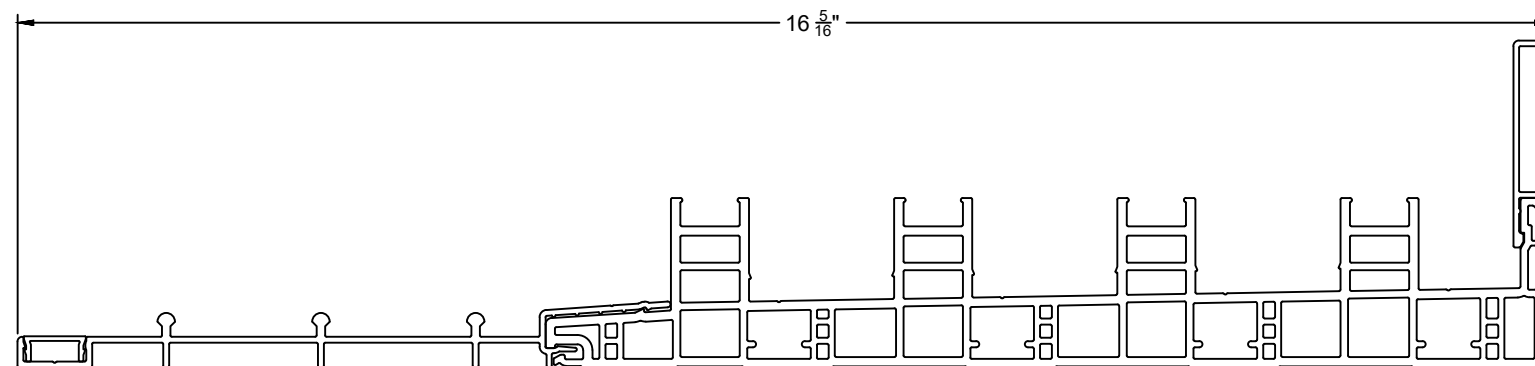
3T Sill w/ 1T Screen



3T Sill w/ 2T Screen



4T Sill w/ 1T Screen



4T Sill w/ 3T Screen

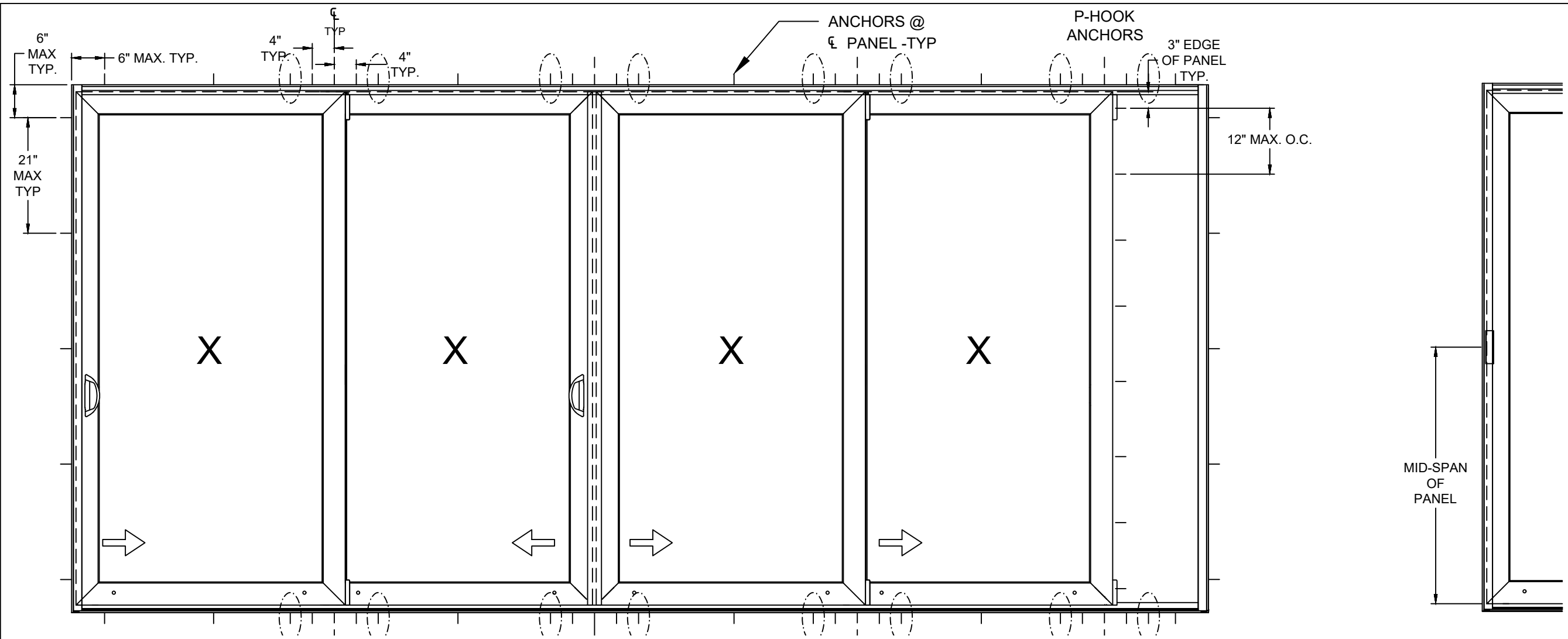
NO.	DESCRIPTION	BY:	DATE:



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SHEET DESCRIPTION:
TRACK WIDTHS

DRAWN BY: BLZ	DATE: 05/06/16
DWG #: TDI-1150	REV.: -
SCALE: 1:2	SHEET 6 OF 11



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**8800 PVC
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 DOOR - IMPACT**

NO.:	DESCRIPTION:	BY:	DATE:



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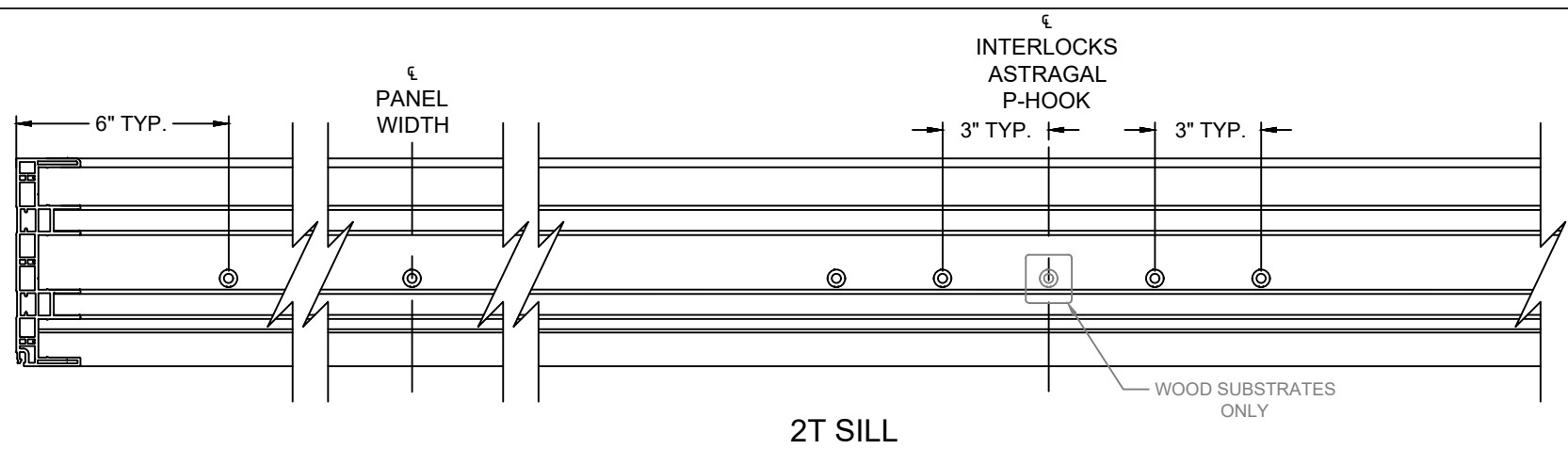
SHEET DESCRIPTION:
**ANCHOR SCHEDULE AND
 NOTES**

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DWG #: TDI-1150	REV.: -
SCALE: 1:20	SHEET 7 OF 11

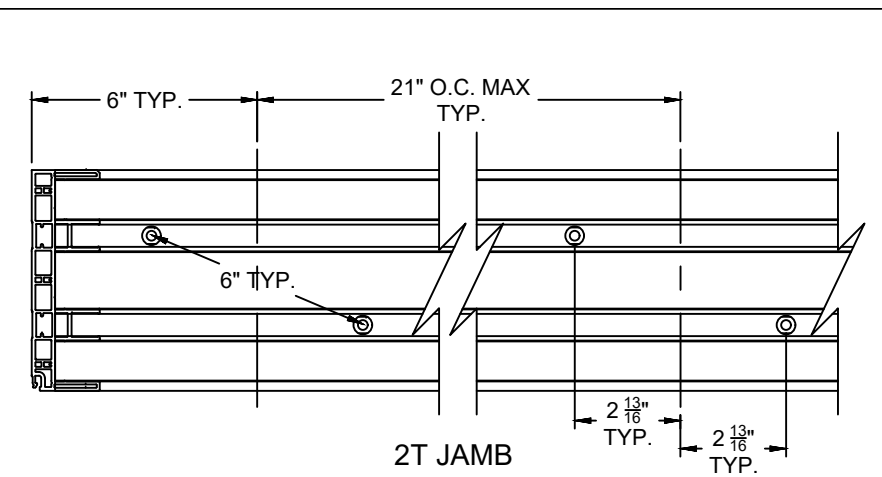
- NOTES:
- * CIRCLED ANCHOR LOCATIONS REQ'D ONLY IN WOOD INSTALLATIONS. (SEE NEXT SHEET FOR DETAIL)
 - 1. INSTALL TWO ANCHORS AT EACH INSTALLATION LOCATION (SEE LAYOUT DETAILS ON SHEETS 8 & 9) EXCEPT FOR 2T SILL & WOOD INSTALLATION LOCATIONS. SEE SPECIAL LOCATIONS AND SPACING FOR 2T SILL (SHEET 8). INSTALL 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)

FIXED PANEL CLIPS

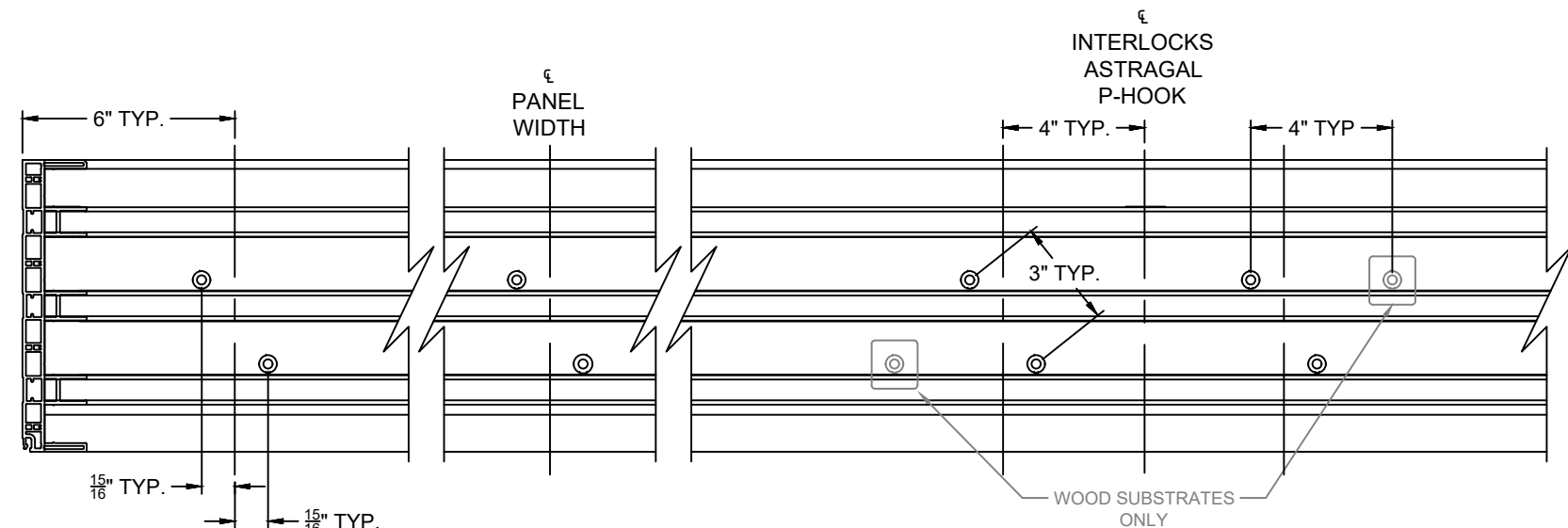
**8800 PVC
SLIDING GLASS
DOOR - IMPACT**



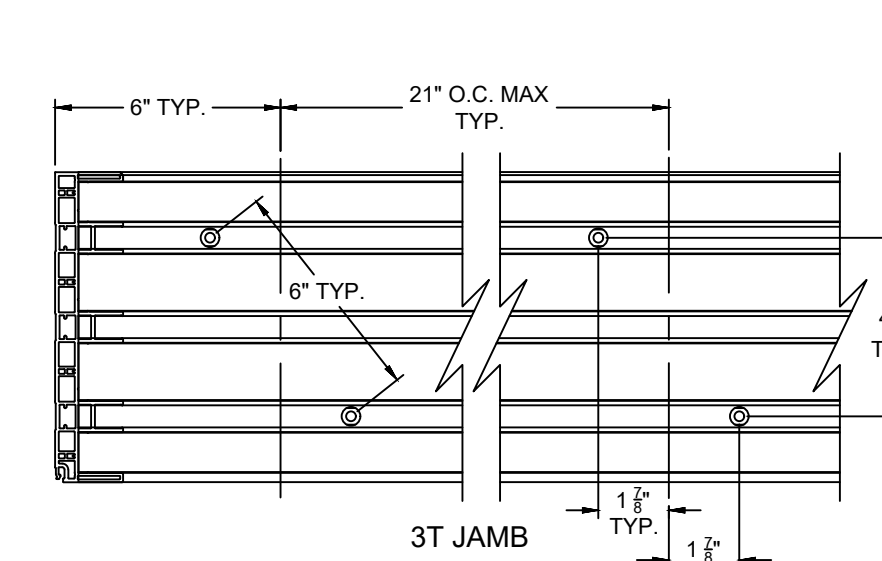
2T SILL



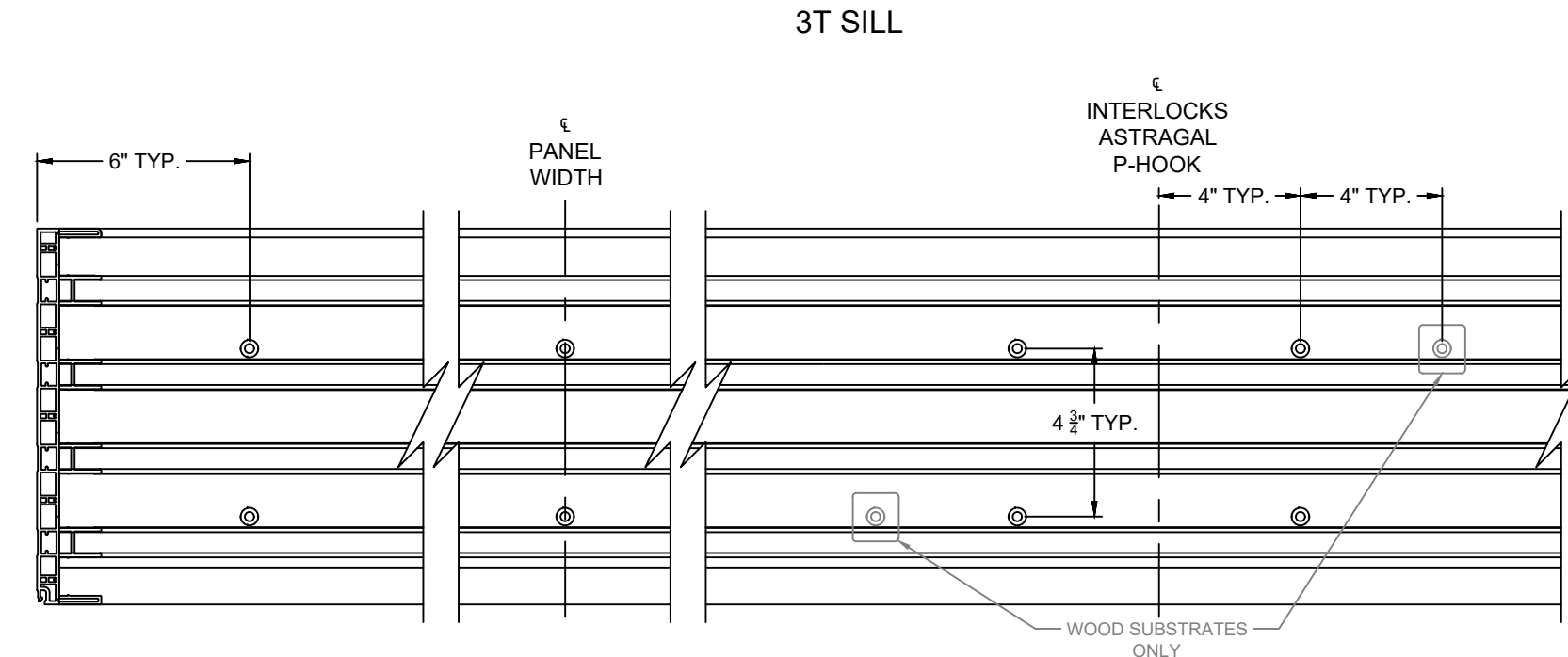
2T JAMB



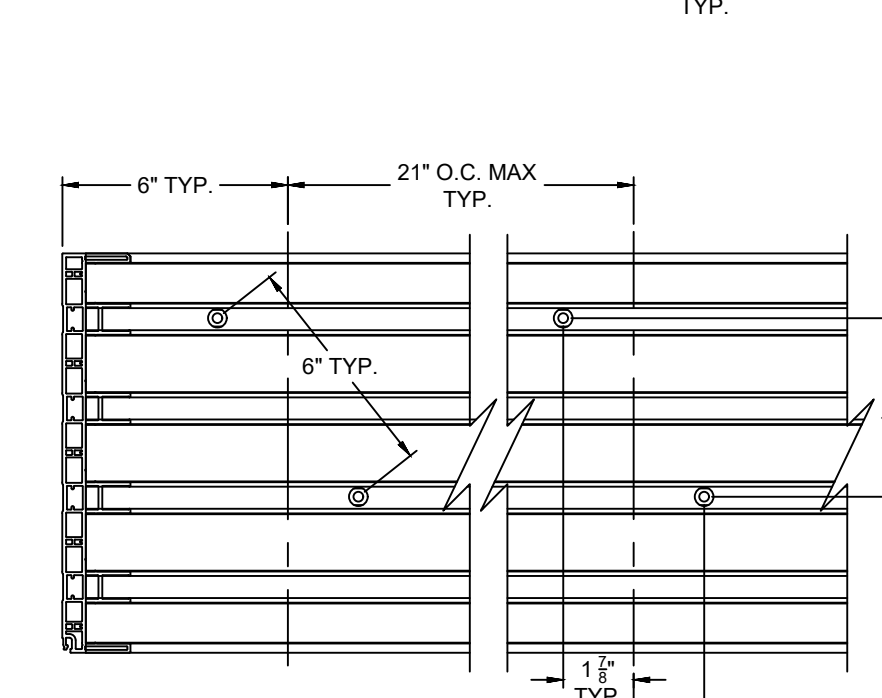
3T SILL



3T JAMB



4T SILL



4T JAMB

NO.	DESCRIPTION	BY:	DATE:



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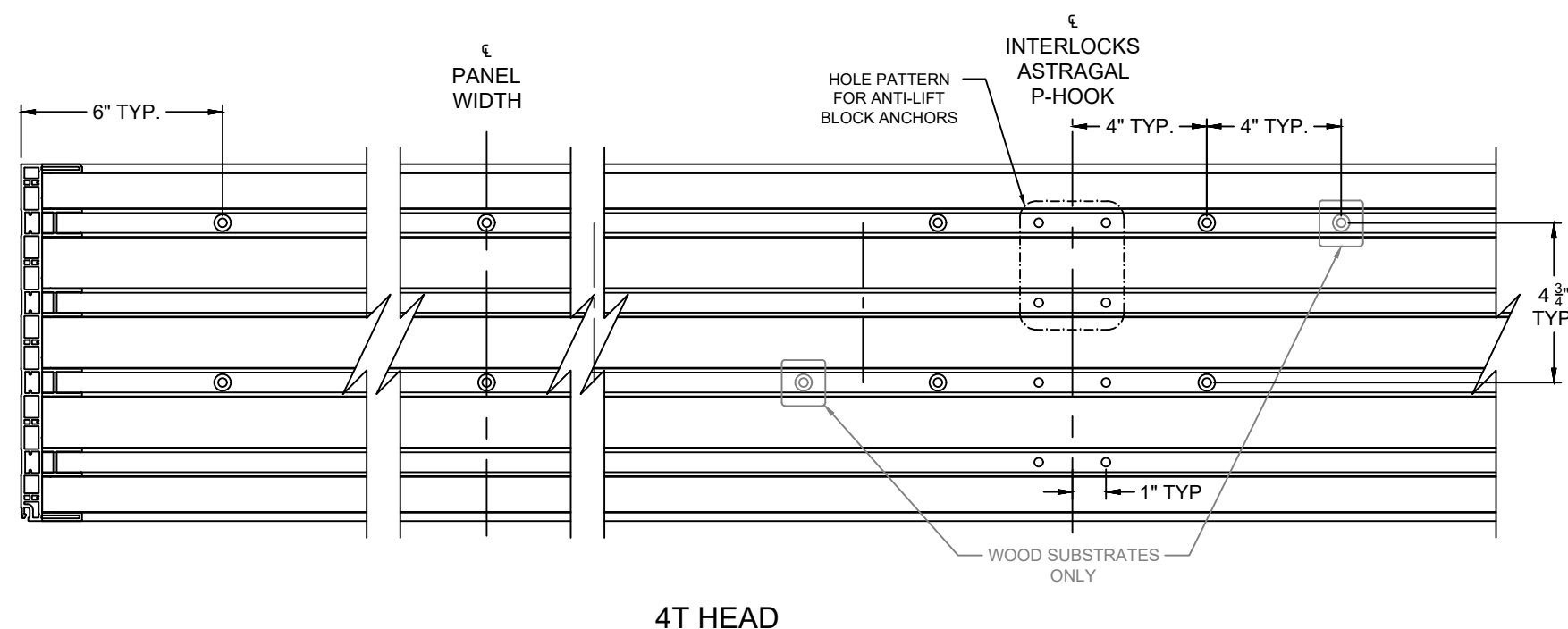
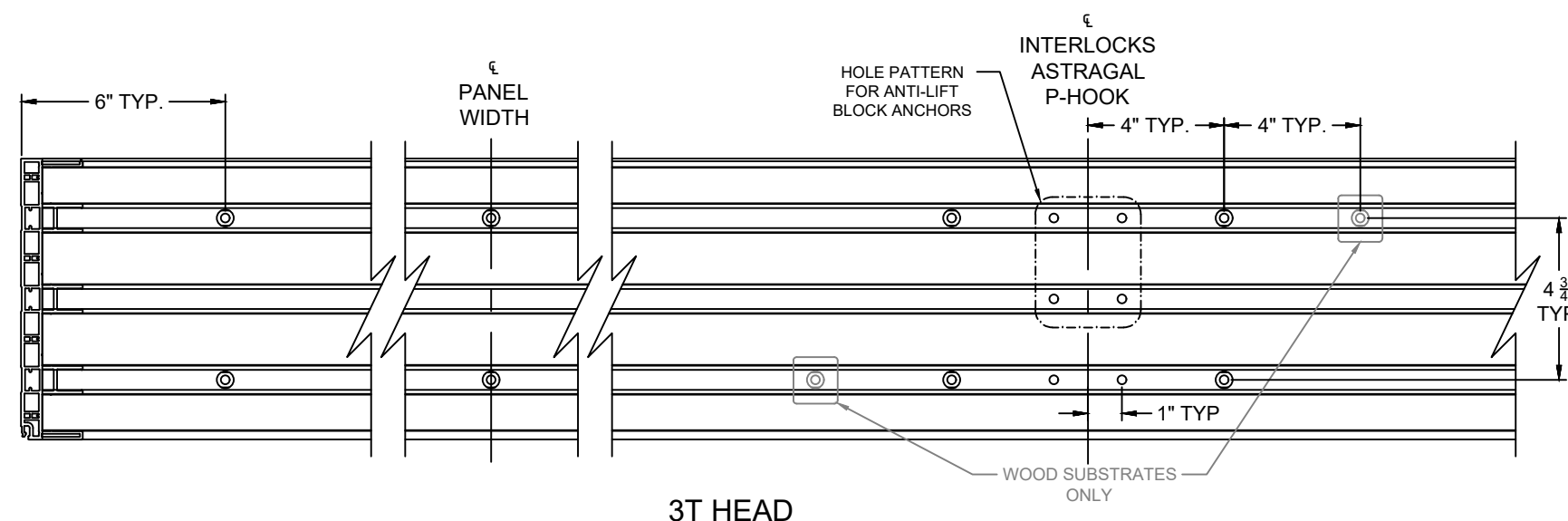
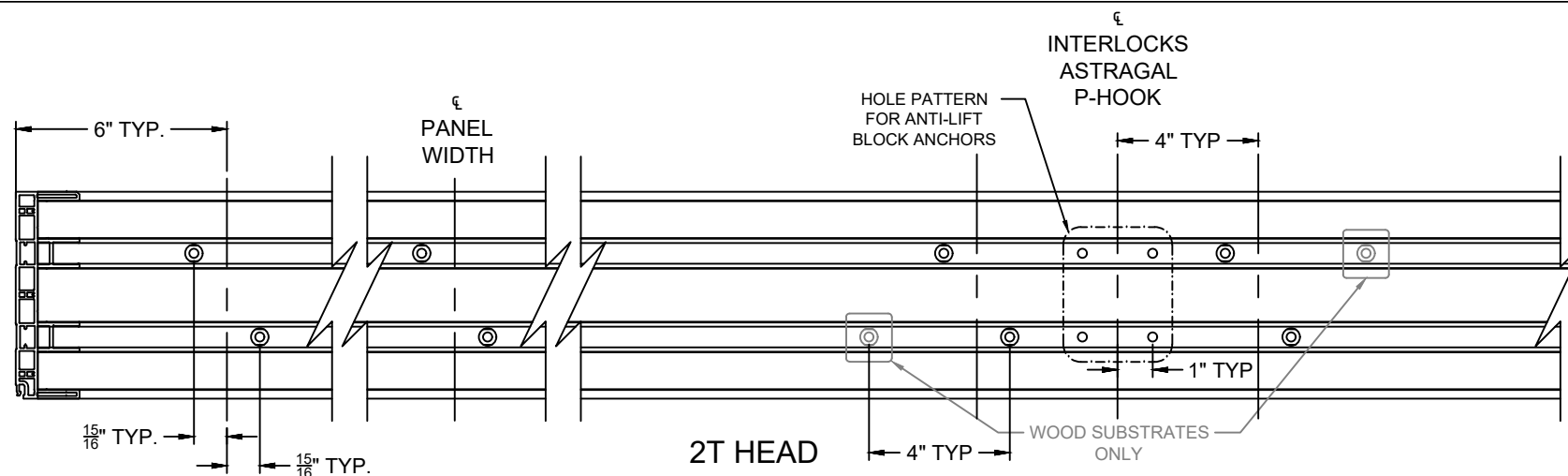
SHEET DESCRIPTION:
**ANCHOR PATTERNS
(JAMB & SILL)**

DRAWN BY: BLZ	DATE: 05/06/16
DWG #: TDI-1150	REV.: -
SCALE: 1:5	SHEET 8 OF 11

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

NOTE: C = CENTERLINE OF INTERLOCK OR ASTRAGAL

**8800 PVC
SLIDING GLASS
DOOR - IMPACT**



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

NOTE: C = CENTERLINE OF INTERLOCK OR ASTRAGAL

NO.	DESCRIPTION	BY	DATE



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

DRAWN BY: BLZ	DATE: 05/06/16
DWG #: TDI-1150	REV.: -
SCALE: 1:5	SHEET 9 OF 11

8800 PVC SLIDING GLASS DOOR - IMPACT

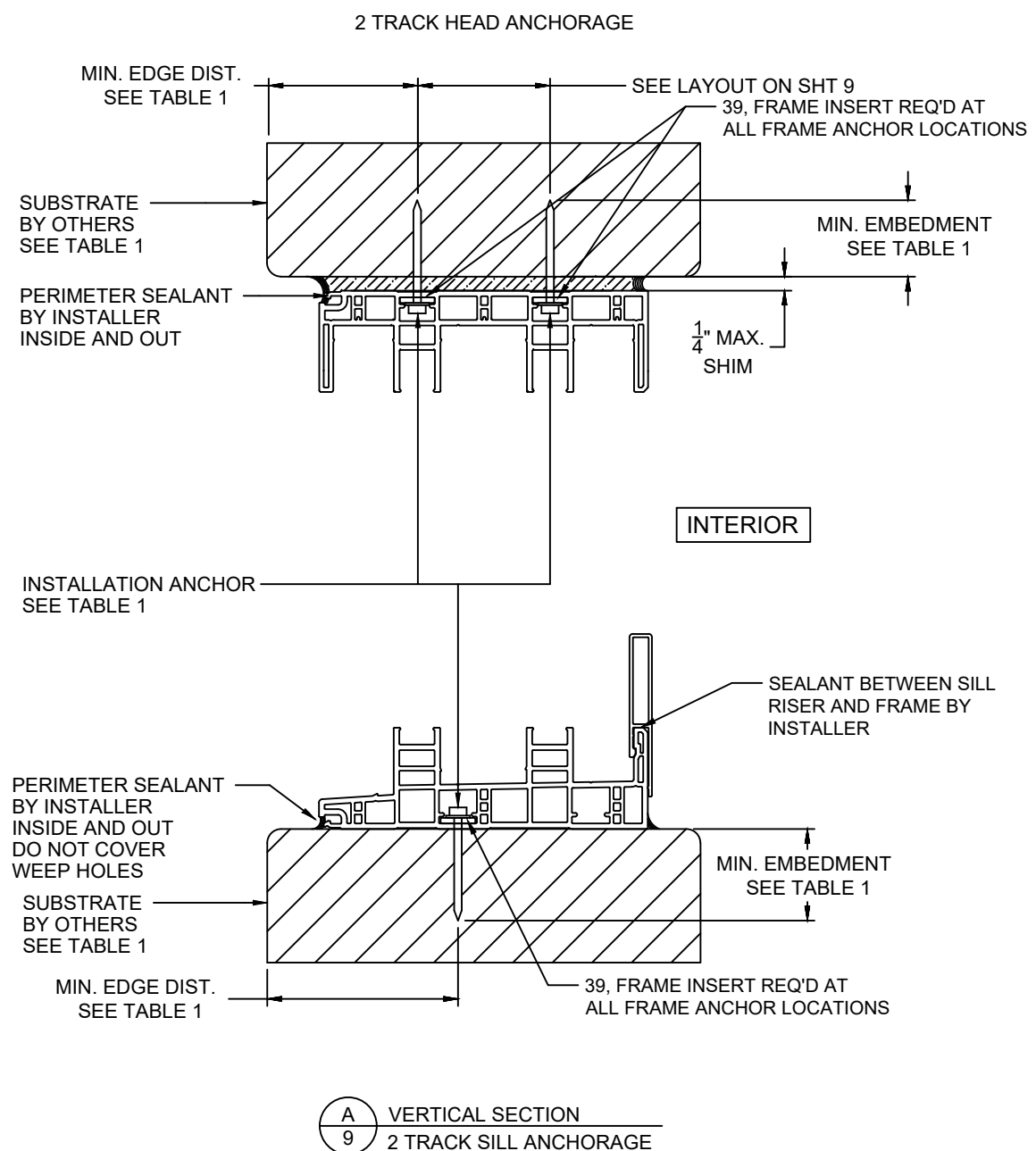
NO.	DESCRIPTION	BY	DATE



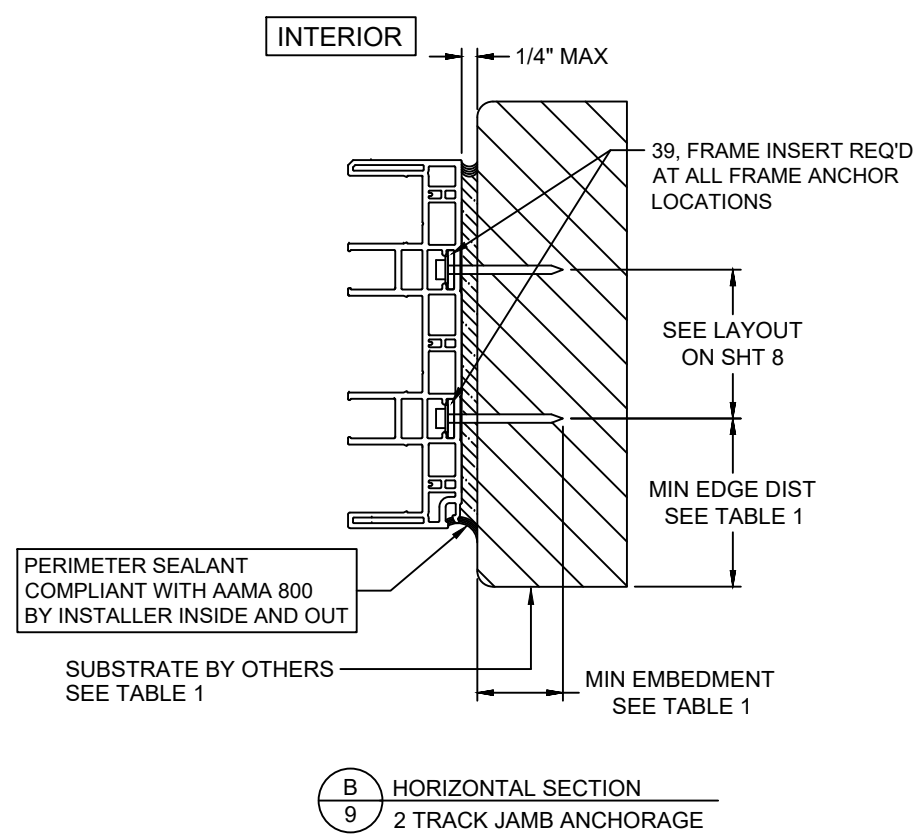
5/28/2020
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 TBPE REG. #F-18075
 2428 OLD NATCHEZ TRC TRL
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SHEET DESCRIPTION:
**INSTALLATION DETAILS
 2 TRACK**

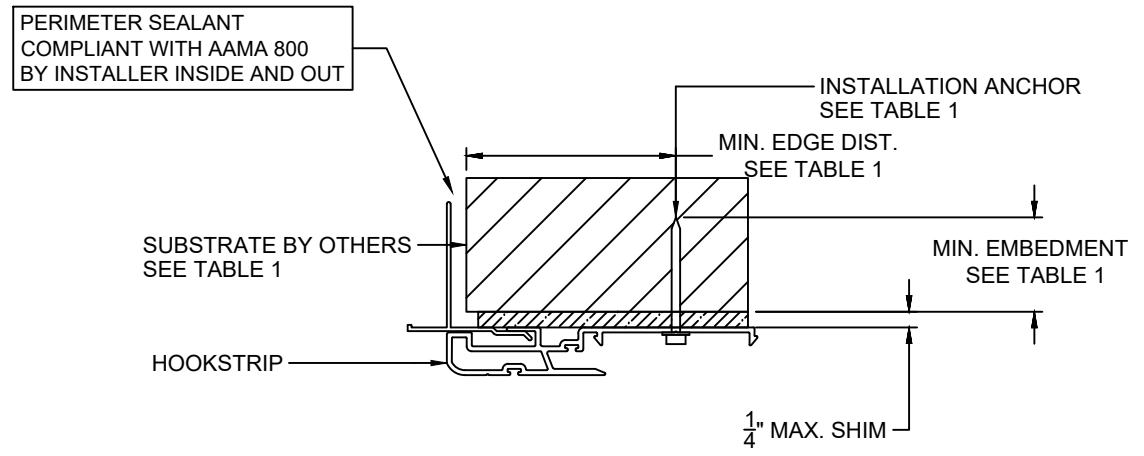
DRAWN BY: BLZ	DATE: 05/06/16
DWG #: TDI-1150	REV.: -
SCALE: 1:3	SHEET 10 OF 11



A VERTICAL SECTION
9 2 TRACK SILL ANCHORAGE



B HORIZONTAL SECTION
9 2 TRACK JAMB ANCHORAGE



C HORIZONTAL SECTION
9 HOOK STRIP

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"

REVISIONS

8800 PVC SLIDING GLASS DOOR - IMPACT

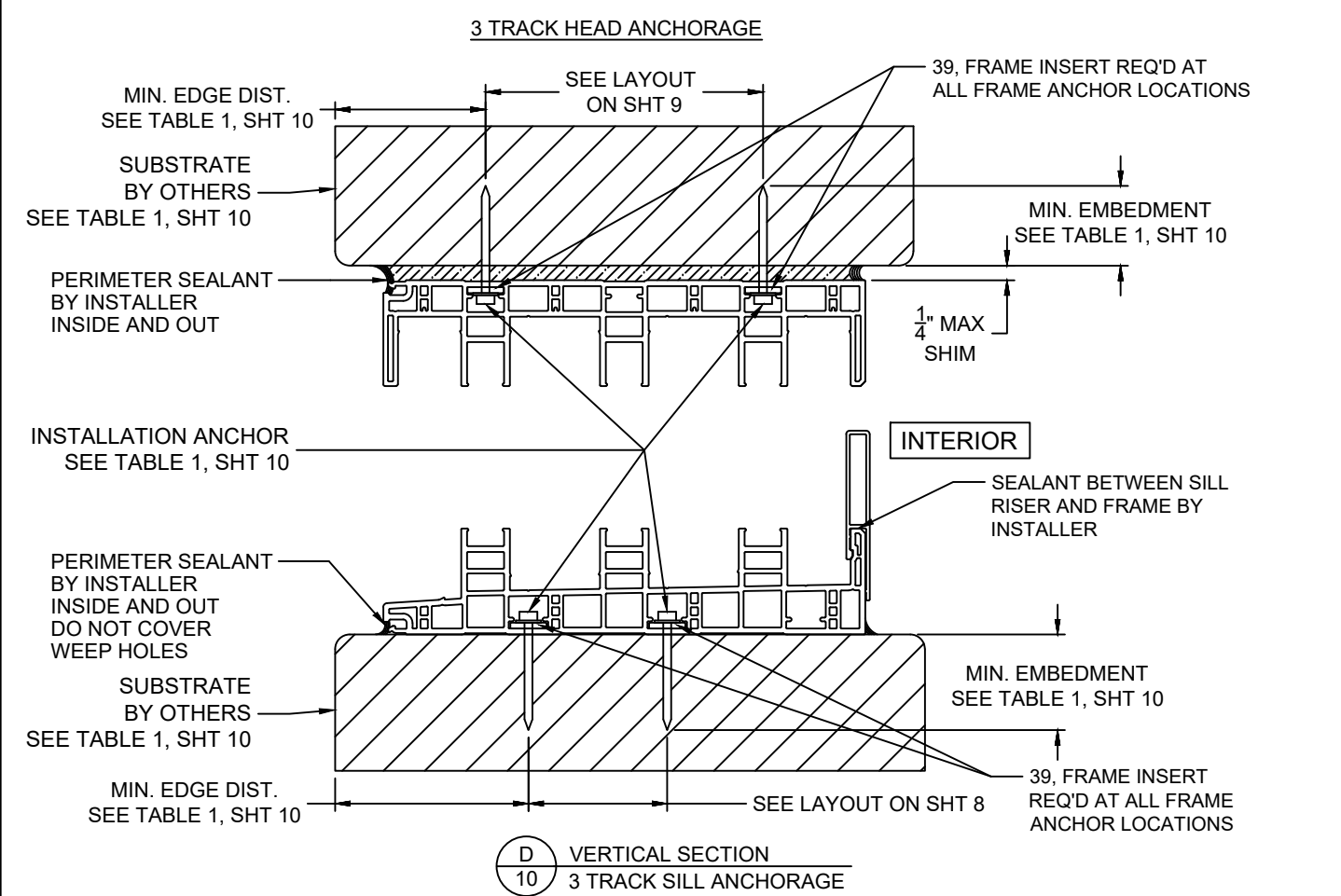
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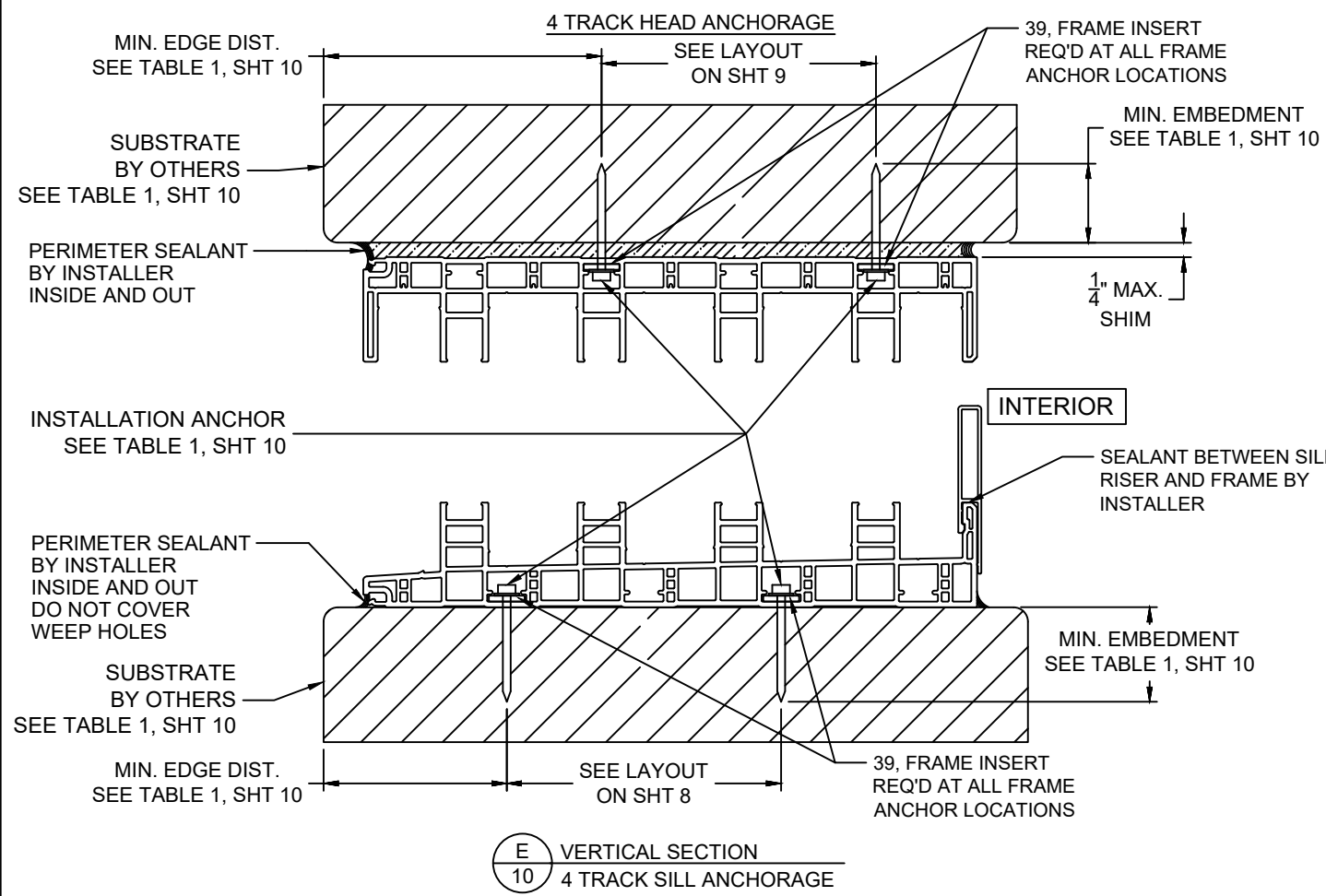
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SHEET DESCRIPTION:
**INSTALLATION DETAILS
 3 & 4 TRACK**

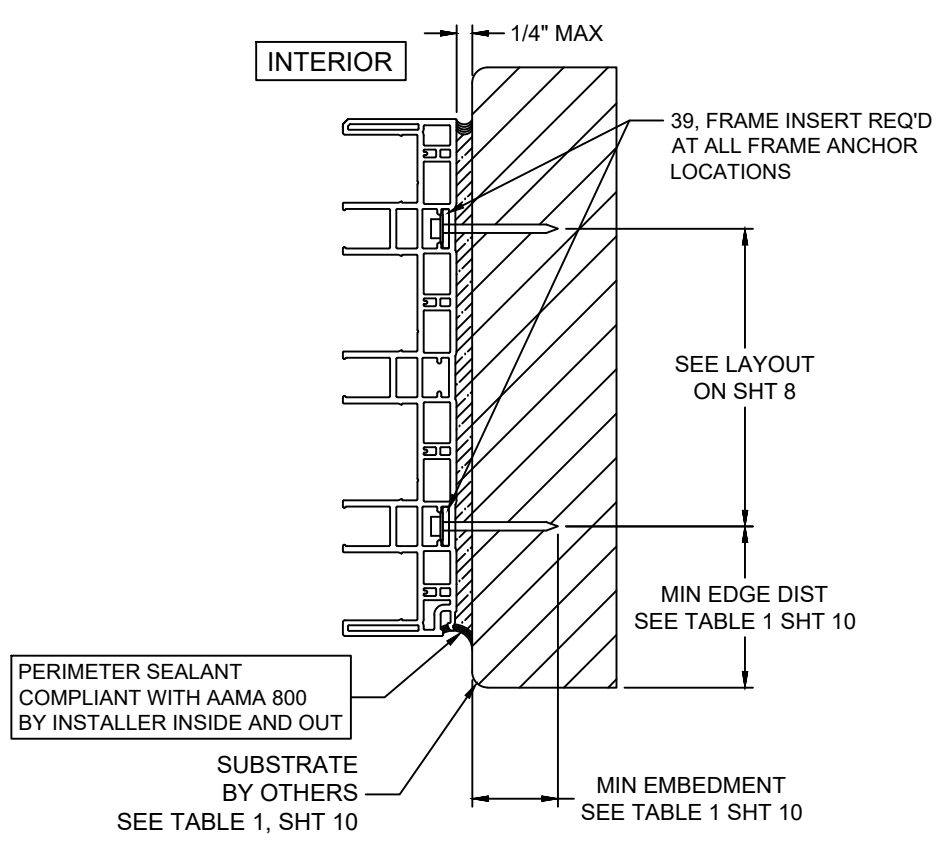
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DWG #: TDI-1150	REV.: -
SCALE: 1:3	SHEET 11 OF 11



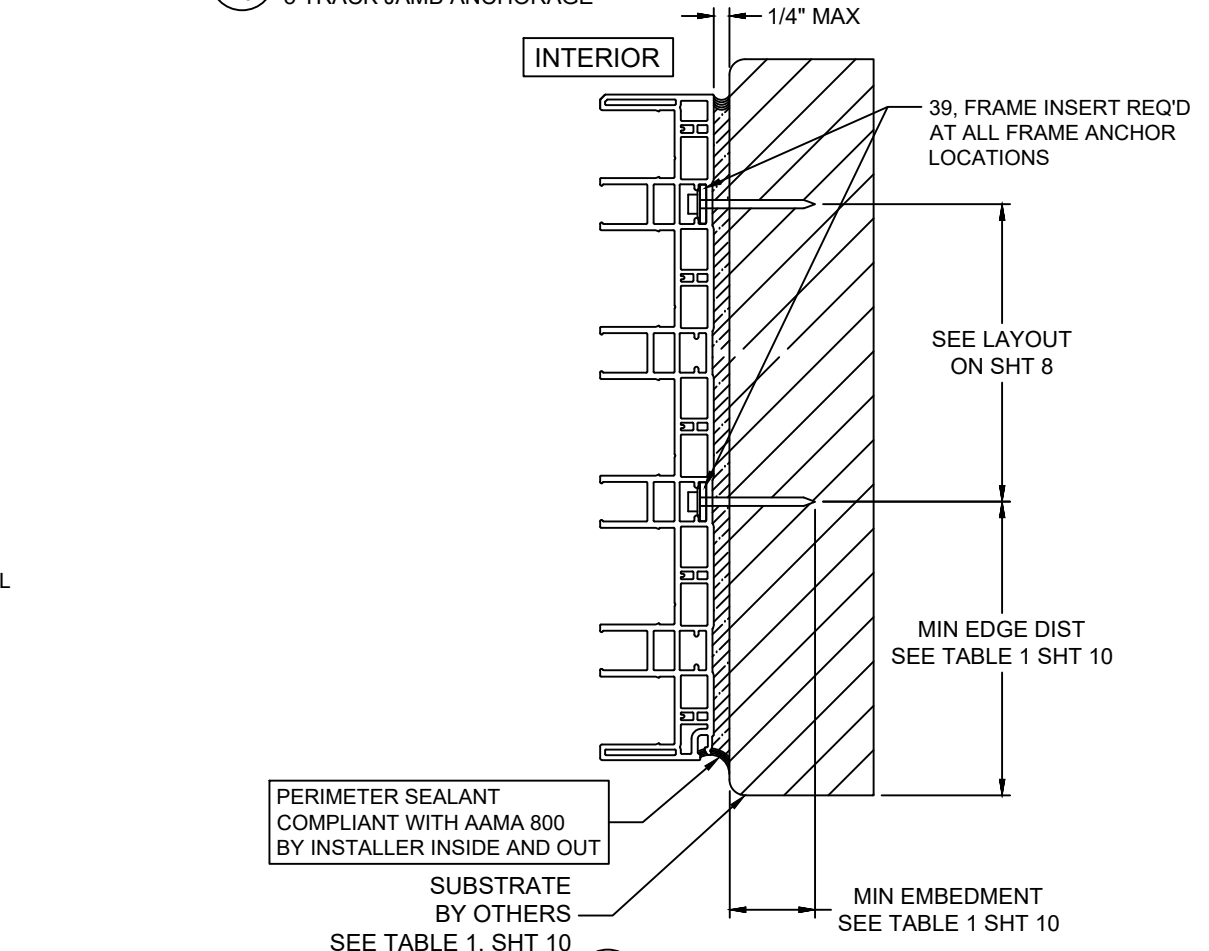
D VERTICAL SECTION
10 3 TRACK SILL ANCHORAGE



E VERTICAL SECTION
10 4 TRACK SILL ANCHORAGE



F HORIZONTAL SECTION
10 3 TRACK JAMB ANCHORAGE



G HORIZONTAL SECTION
10 4 TRACK JAMB ANCHORAGE

REVISIONS