



**Product Approval**  
USER: Public User

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FL #	FL21576-R2										
Application Type	Revision										
Code Version	2017										
Application Status	Approved										
Comments											
Archived	<input type="checkbox"/>										
Product Manufacturer	La Finestra, LC										
Address/Phone/Email	2790 NW 104th Court Miami, FL 33172 (305) 599-8093 brunosalvoni@lafinestra.us										
Authorized Signature	Bruno Salvoni brunosalvoni@lafinestra.us										
Technical Representative											
Address/Phone/Email											
Quality Assurance Representative											
Address/Phone/Email											
Category	Exterior Doors										
Subcategory	Sliding Exterior Door Assemblies										
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received										
Florida Engineer or Architect Name who developed the Evaluation Report	Frank L. Bennardo, P.E.										
Florida License	PE-0046549										
Quality Assurance Entity	National Accreditation and Management Institute										
Quality Assurance Contract Expiration Date	04/30/2018										
Validated By	Troy Bishop, P.E. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received										
Certificate of Independence	<a href="#">FL21576 R2 COI Indep.pdf</a>										
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><b>Standard</b></th> <th><b>Year</b></th> </tr> </thead> <tbody> <tr> <td>ASTM E1300</td> <td>2012</td> </tr> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table>	<b>Standard</b>	<b>Year</b>	ASTM E1300	2012	TAS 201	1994	TAS 202	1994	TAS 203	1994
<b>Standard</b>	<b>Year</b>										
ASTM E1300	2012										
TAS 201	1994										
TAS 202	1994										
TAS 203	1994										
Equivalence of Product Standards Certified By											
Sections from the Code											

Product Approval Method

Method 1 Option D

Date Submitted

12/18/2017

Date Validated

12/18/2017

Date Pending FBC Approval

12/22/2017

Date Approved

02/13/2018

**Summary of Products**

FL #	Model, Number or Name	Description
21576.1	Perfetta Series Sliding Glass Door	Perfetta Series Sliding Glass Door Large & Small Missile Impact Resistant
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> +80/-100 <b>Other:</b>		<b>Installation Instructions</b> <a href="#">FL21576_R2_II_Dwg.pdf</a> Verified By: Frank L. Bennardo, P.E. PE0046549 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL21576_R2_AE_Eval.pdf</a> Created by Independent Third Party: Yes

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## Product Evaluation Report

December 18, 2017

Application Number: FL#21576.1-R2  
EX Project Number: 16-3434

Product Manufacturer: La Finestra, LC  
Manufacturer Address: 2790 NW 104<sup>TH</sup> Court.  
Miami, FL 33172

Product Name & Description: Perfetta Series Sliding Glass Door  
Large & Small Missile Impact Resistant

### Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 1(d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with the Florida Building Code Sixth Edition (2017) and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

### Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX drawing #16-3434 titled "Perfetta Series Sliding Glass Door", sheets 1-36, prepared by Engineering Express, signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

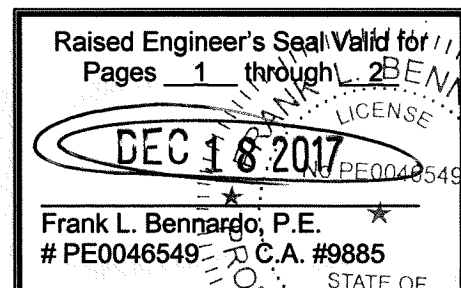
Uniform static structural performance has been tested in accordance with TAS 202 test standards per test report(s) HETI-16-5107, HETI-16-5109, HETI-17-5006, by Hurricane Engineering and Testing, Inc. signed by Mr. Rafael E. Droz-Seda, P.E. and test report(s) FTL 5726 by Fenestration Testing Lab, signed by Idalmis Ortega, P.E.

Large missile impact resistance and cyclic loading performance have been tested in accordance with TAS 201 & 203 test standards per test report(s) HETI-16-5108, HETI-16-5110, HETI-16-5127, HETI-17-5007, by Hurricane Engineering and Testing, Inc. signed by Mr. Rafael E. Droz-Seda, P.E. and test report(s) FTL 5726 by Fenestration Testing Lab signed by Idalmis Ortega, P.E.

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

1. Anchor Spacing
2. Maximum Allowable Size/Pressure Combinations
3. Glass Capacity
4. Anchor Capacity



No 33% increase in allowable stress has been used in the design of each product.

The following are approved for use in the HVHZ as specified in their corresponding NOAs:

- SentryGlas Interlayer by Kuraray America , Inc. (NOA #14-0916.11)
- Trosifol PVB by Kuraray America , Inc. (NOA #16-1117.01)

### ***Impact Resistance:***

Large and Small Missile Impact Resistance has been demonstrated as evidenced in previously listed test reports, and is accounted for in the engineering design of this product.

### ***Wind Load Resistance***

Each product has been designed to resist wind loads as indicated in the design schedule(s) on its respective Product Evaluation Document (i.e. engineering drawing).

### ***Installation***

Each product listed above shall be installed in strict compliance with its respective Product Evaluation Document (i.e. engineering drawing), along with all components noted therein.

Each product component shall be of the material specified in that product's respective Product Evaluation Document (i.e. engineering drawing).

### ***Limitations & Conditions of Use:***

Use of each product shall be in strict accordance with its respective Product Evaluation Document (i.e. engineering drawing) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times.

Each product has been designed for use within and outside of the High Velocity Hurricane Zone (HVHZ).

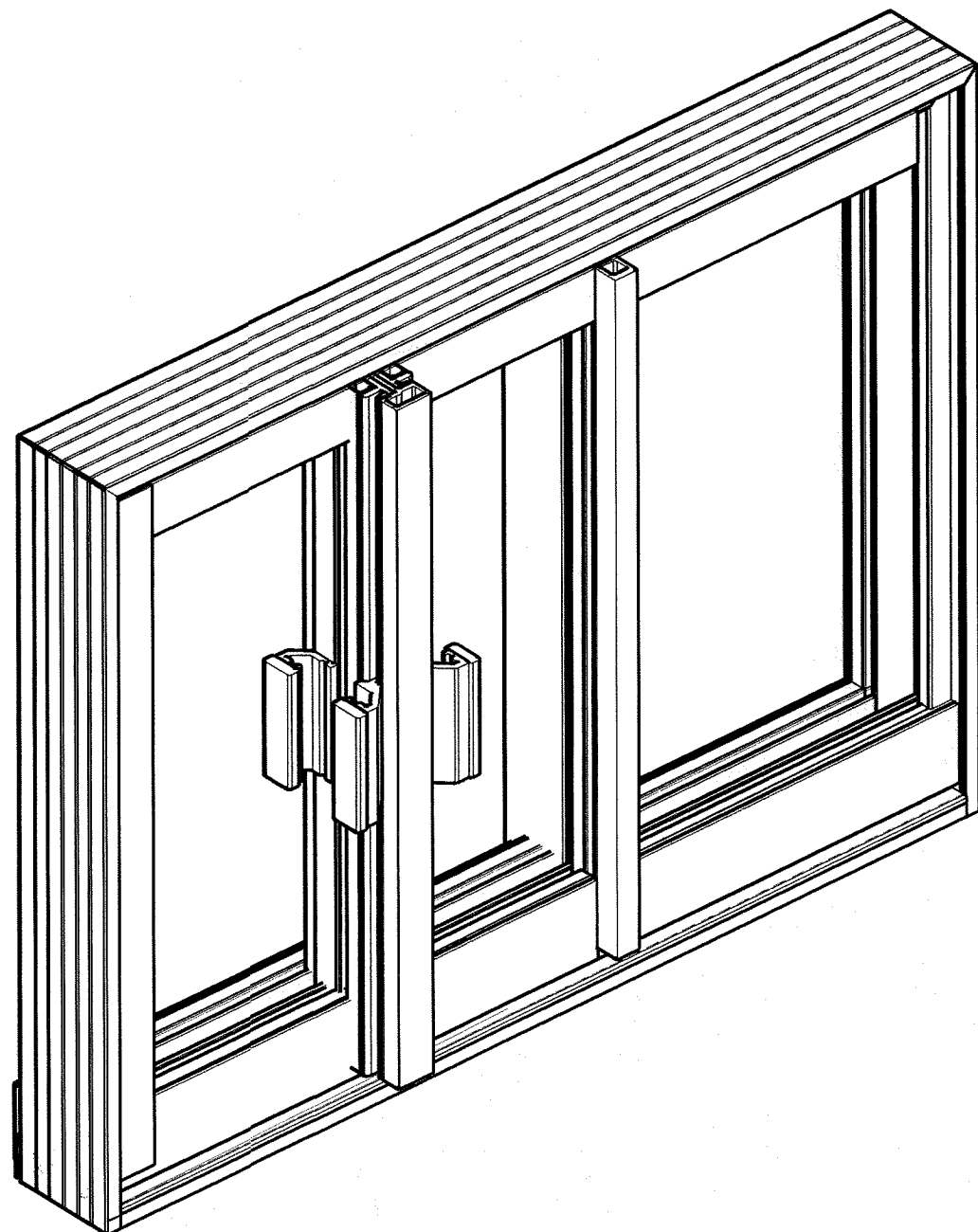
# LA FINESTRA, LC

## PERFETTA SERIES SLIDING GLASS DOOR

### LARGE AND SMALL MISSILE IMPACT RESISTANT

#### GENERAL NOTES

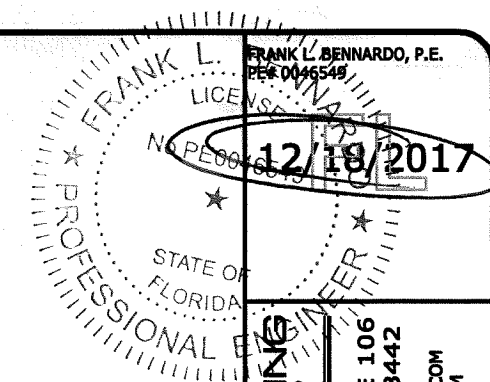
1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER ASTM E1300-12 & TAS 201/202/203 STANDARDS AS QUALIFIED IN TEST REPORTS HETI-16-5107, HETI-16-5108, HETI-16-5109, HETI-16-5110, HETI-16-5127, HETI-17-5006 & HETI-17-5007 BY HURRICANE ENGINEERING & TESTING INC., 9726 FENESTRATION TESTING LAB.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE SPECIFIC WIND LOAD REQUIREMENTS SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-10 AND THE FLORIDA BUILDING CODE BY SEPARATE ENGINEERING CERTIFICATION AND SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUE LISTED HEREIN FOR ANY ASSEMBLY WITHIN THE LIMITATIONS STATED HEREIN.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. MULTIPLE UNITS MUST BE INSTALLED USING STRUCTURAL MULLIONS APPROVED BY OTHERS OR UNDER SEPARATE CERTIFICATION.
7. ALL EXTRUSIONS SHALL BE 6063-T5 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
8. EXTERIOR SEAM OF FRAME CORNERS SHALL BE SEALED WITH PECORA 895 SEALANT.
9. ALL FASTENERS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM ULTIMATE TENSILE STRENGTH Fu=74 KSI, UNLESS NOTED OTHERWISE. ULTRACONS AND DRIL-FLEX FASTENERS REFERENCED HEREIN SHALL BE BY ELCO CONSTRUCTION PRODUCTS WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF Fu=177 KSI & Fu=120 KSI, RESPECTIVELY.
10. ALL DISSIMILAR MATERIALS SHALL BE PAINTED OR PLATED TO PREVENT CORROSION OR ELECTROLYSIS.
11. GLAZING ILLUSTRATED HEREIN UTILIZES SENTRYGLAS INTERLAYER BY KURARAY AMERICA INC. (NOA# 14-0916.11). AND TROSIFOL PVB BY KURARAY AMERICA INC. (NOA# 16-1117.01).
12. THIS PRODUCT IS APPROVED FOR LARGE MISSILE & SMALL MISSILE IMPACT APPLICATIONS. SEE GLASS TYPES FOR ANY RESTRICTIONS.
13. MEANS OF EGRESS AND SAFEGUARD REQUIREMENTS ARE NOT ADDRESSED IN THIS APPROVAL AND SHALL BE CERTIFIED BY OTHERS.
14. ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
15. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
16. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.



SHEET INDEX	
# SHEET	DESCRIPTION
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6-7	ANCHOR SCHEDULES
8	2 TRACK SECTIONS
9	3 TRACK SECTIONS
10	4 TRACK SECTIONS
11	5 TRACK SECTIONS
12	2, 3 & 5 TRACK SECTIONS
13-14	ALTERNATIVE FLUSH SILL
15-17	2 TRACK ANCHORING
18-20	3 TRACK ANCHORING
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SHEET INDEX	
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24-28	5 TRACK ANCHORING
29	TRACK CONFIGURATIONS
30-33	FRAME ASSEMBLY
34-35	EXTRUSIONS
36	BILL OF MATERIALS
36	TOTAL

FL #21576.1



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 PERFETTA SERIES SLIDING GLASS DOORS  
 FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	FLB	12/18/16
REV. 1 - 90" DOOR	JEM	FLB	02/16/17
REV. 2 - 2017 FBC UPDATE	JEM	FLB	12/18/17

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**16-3434**

SCALE: SEE DETAILS

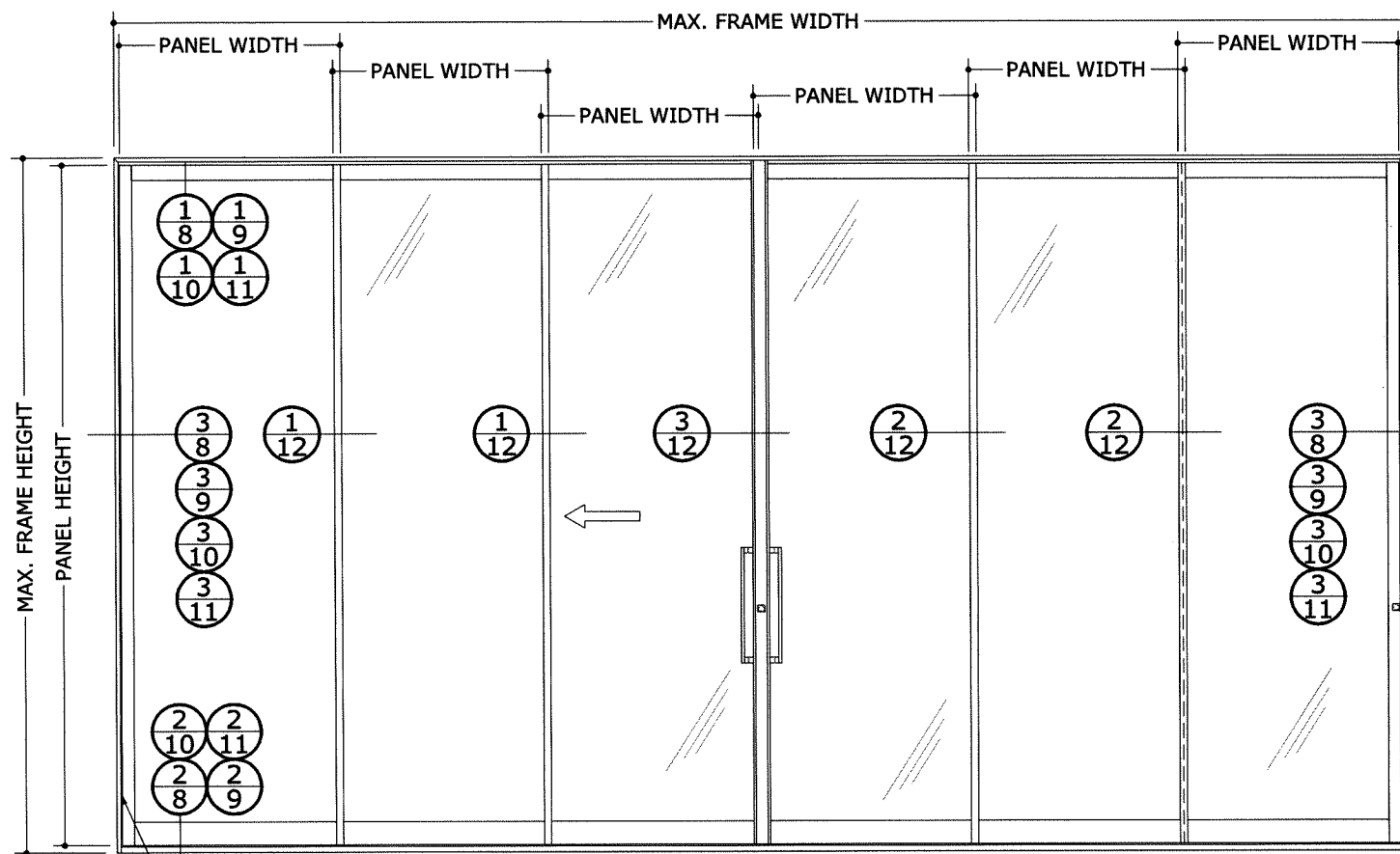
1 OF 36

12/18/2017 - 7:37pm gordon V:\Projects\16-3434 Slim Sliding Door\01\2017 FBC Update\CAD for Approval\16-3434\_011 CAD for NOA.dwg

V:\Projects\16-3434 Slim Sliding Door\2017 FBC Update\CAD for Approval\16-3434\_01m CAD for NOA.dwg

zachr

12/18/2017 - 8:26pm

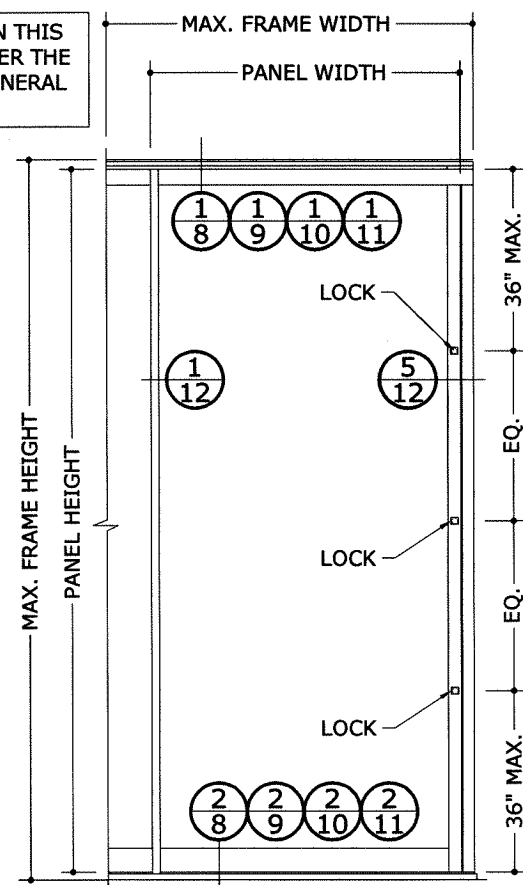


TYPICAL ELEVATION  
LOOKING FROM OUTSIDE IN

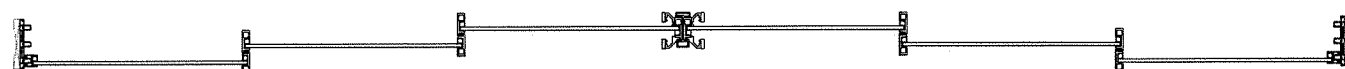
THE FRAME SIZES SHOWN IN THIS ELEVATION ARE AS TESTED PER THE TEST REPORTS LISTED IN GENERAL NOTE #1 ON SHEET 1.

"P" HOOK  
(POCKET PANEL CONFIGURATION)

NO ANCHORS  
REQUIRED



TYPICAL ELEVATION  
LOOKING FROM OUTSIDE IN



EXTERIOR

PLAN VIEW



EXTERIOR

PLAN VIEW



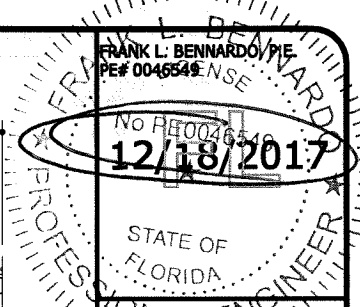
EXTERIOR

PLAN VIEW

NOTE: UNLIMITED PANELS MAY BE USED. ELEVATION IS FOR ILLUSTRATION ONLY, PANEL & FRAME SIZES SHALL NOT BE EXCEEDED.

MAX. FRAME SIZES	
WIDTH (In.)	HEIGHT (In.)
1298	80
1236	84
1154	90
1082	96
1018	102
962	108
911	114
865	120
865	120
824	126
787	132
752	138
721	144

PER SECTION 2411.3.2.4



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PERFETTA SERIES SLIDING GLASS DOORS

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	FLB	12/18/16
REV. 1 - 90" DOOR	JEM	FLB	02/16/17

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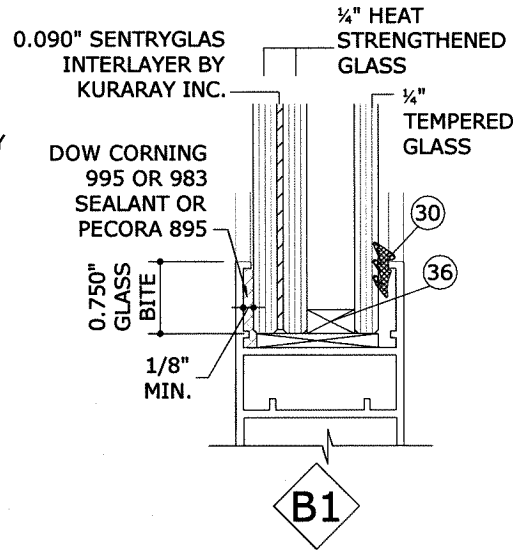
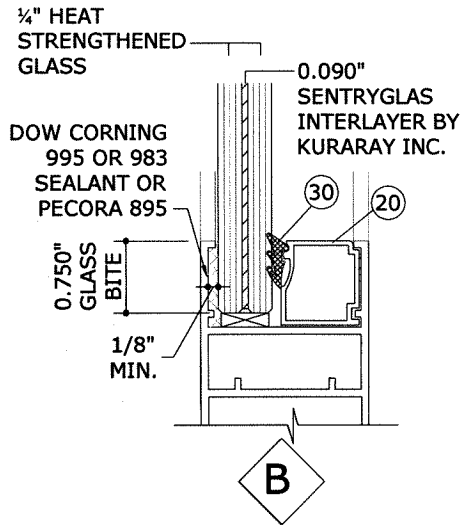
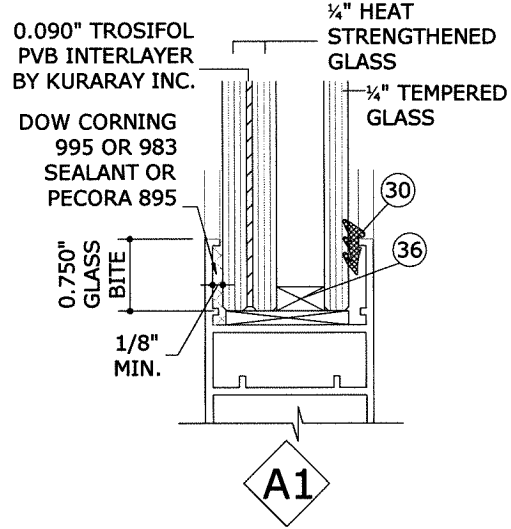
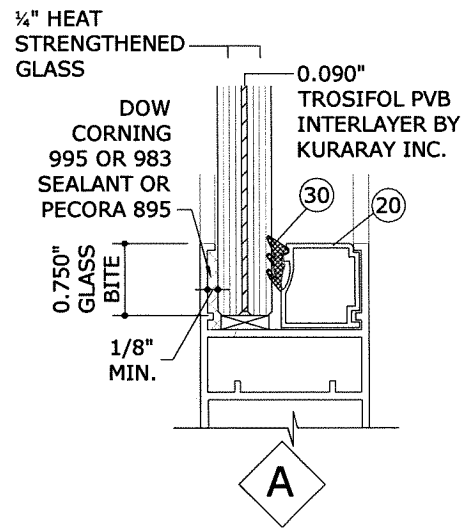
16-3434

SCALE: SEE DETAILS

36

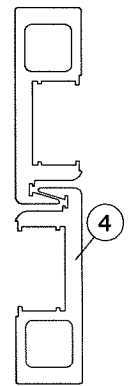
2

# GLASS TYPES

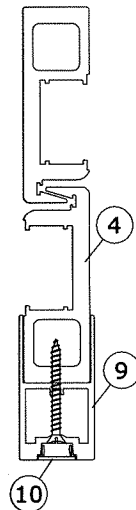


NOTE:  
GLASS TYPES HAVE BEEN TESTED WITH MISSILE LEVEL "D"  
GLASS TYPES HEREIN CONFORM TO ASTM E1300-12

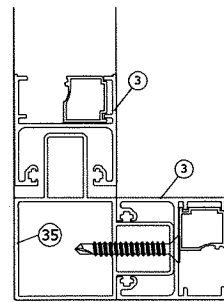
# VERTICAL MEMBER CONFIGURATIONS



NON-REINFORCED

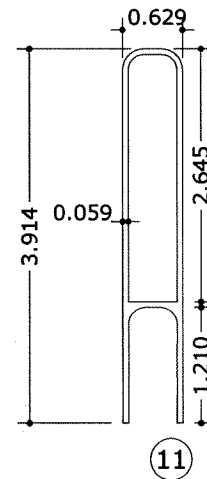


NON-REINFORCED



90° CORNER

# SILL RISERS

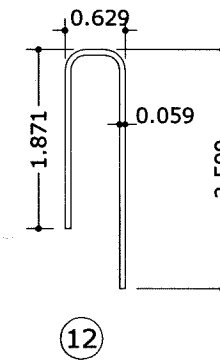


STRUCTURAL PRESSURES MUST MEET OR EXCEED 80 PSF WHEN USING THIS RISER.

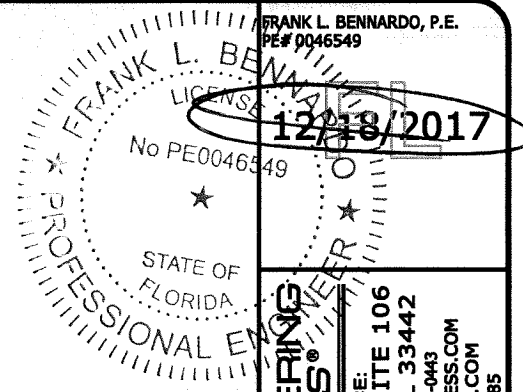
NOTE:  
WATER TEST PER ASTM E331  
DETAIL 11 TEST PRESSURE 12 Psf. (+80 PSF MAX.)  
DETAIL 12 TEST PRESSURE 9 PSF. (+60 PSF MAX.)

NOTE: FOR 90° DOORS, POSITIVE PRESSURE IS LIMITED TO 9 PSF (+ 60 PSF MAX. FOR DETAILS 11 & 12)

NOTE: FLUSH TRACK OPTION IS NOT APPROVED FOR WATER INFILTRATION.



STRUCTURAL PRESSURES MUST MEET OR EXCEED 60 PSF WHEN USING THIS RISER.



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PERFETTA SERIES SLIDING GLASS DOORS  
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REMARKS	DRWN	CHKD	DATE
INT ISSUE	JEM	FLB	12/18/16
REV. 1 - 90° DOOR	JEM	FLB	02/18/17
REV. 2 - 2017 FBC UPDATE	JEM	FLB	12/18/17

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16-3434  
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3





12/18/2017 - 7:37pm gordond V:\Projects\16-3434 Slim Sliding Door\2017 FBC Update\CAD for Approval\16-3434\_011 CAD for NOA.dwg

PANEL LOADING TABLE (P.S.F.) - REINFORCED WITH GLASS TYPE B, B1

PANEL HEIGHT (in.)

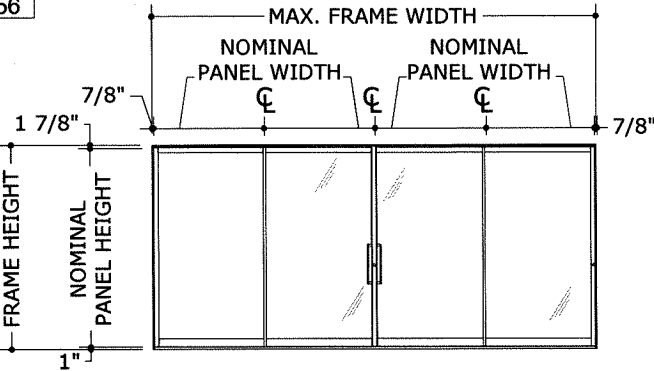
Table with 32 columns (Panel Height) and 32 rows (Panel Width). Values represent panel dimensions in inches.

NOTE: REFER TO SHEET 3 FOR GLASS TYPE DESCRIPTION, VERTICAL MEMBER CONFIGURATIONS AND SILL CONDITIONS.

PANEL LOADING TABLE (P.S.F.) - 90° DOOR & SILL CONDITIONS 1/13, 2/13, 3/13, 1/14 WITH GLASS TYPE B, B1

PANEL HEIGHT (in.)

Table with 32 columns (Panel Height) and 32 rows (Panel Width). Values represent panel dimensions in inches.

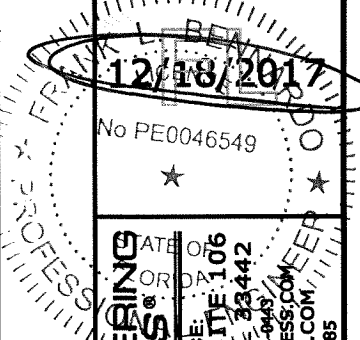


NOTE: REFER TO SHEET 3 FOR GLASS TYPE DESCRIPTION, VERTICAL MEMBER CONFIGURATIONS AND SILL CONDITIONS.

NOTE: SIZES ON CHARTS ARE PANEL DIMENSIONS ADD 2 7/8" TO HEIGHT OF PANEL FOR OVERALL FRAME HEIGHT

NOTE: DLO. SIZE = PANEL SIZE - 6 5/8"
NOTE: PANEL SIZE = FRAME WIDTH - 1 3/4" NUMBER OF PANELS

FRANK L. BENNARDO, P.E. PE# 0046549



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PERFETTA SERIES SLIDING GLASS DOORS FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS table with columns: DRWN, CHKD, DATE, INIT, ISSUE, REV, 1-90° DOOR, REV 2-2017 FBC UPDATE, JEM, FLB, JEM, FLB, 12/18/17, 12/18/17.

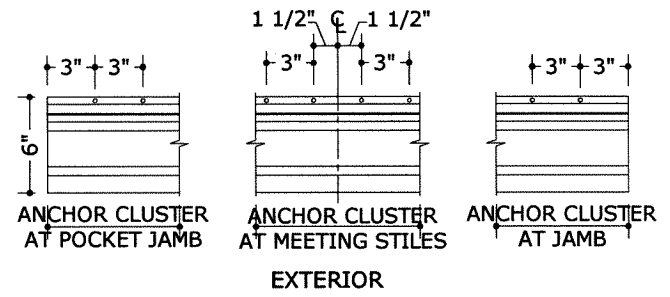
COPYRIGHT ENGINEERING EXPRESS 16-3434 SCALE: SEE DETAILS



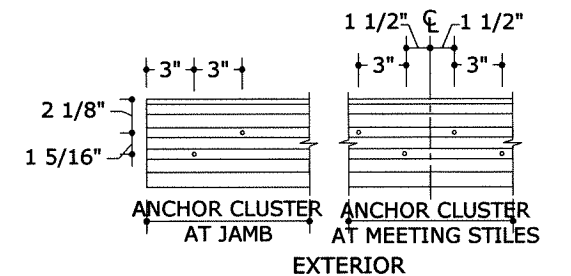
12/18/2017 - 7:37pm gordond V:\Projects\16-3434 Slim Sliding Door\1012017 FBC Update\CAD for Approval\16-3434\_011 CAD for NOA.dwg

FRAME HEIGHT (in)	FRAME WIDTH (in)	NUMBER OF ANCHORS AT THE CLUSTER INTO WOOD (WA)						NUMBER OF ANCHORS AT THE CLUSTER INTO CONCRETE (CA)			NUMBER OF ANCHORS AT THE CLUSTER INTO METAL (MA)					
		ALLOWABLE PRESSURE (PSF)						ALLOWABLE PRESSURE (PSF)			ALLOWABLE PRESSURE (PSF)					
		4	6	8	10	12	14	16	4	6	8	4	6	8	10	12
80	24	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	30	91	100	100	100	100	100	100	100	100	100	100	100	100	100	
	36	76	100	100	100	100	100	100	100	100	100	100	100	100	100	
	42	65	98	100	100	100	100	100	100	100	99	100	100	100	100	
	48	57	86	100	100	100	100	100	100	100	87	100	100	100	100	
	54	51	76	100	100	100	100	100	100	100	77	100	100	100	100	
	60	46	68	91	100	100	100	100	94	100	100	70	100	100	100	100
	72	38	57	76	95	100	100	100	78	100	100	58	87	100	100	100
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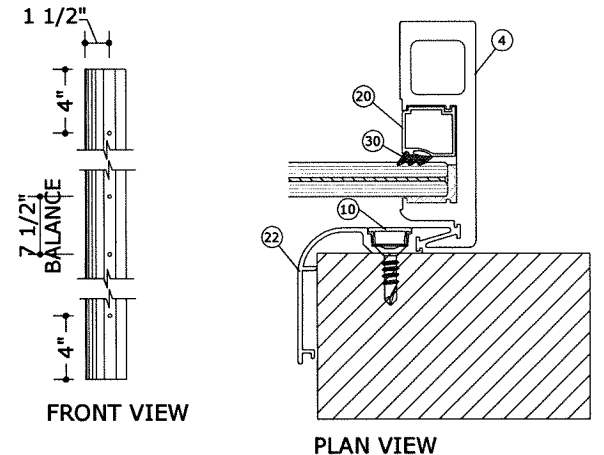
**DOOR SILL ANCHOR LAYOUT**



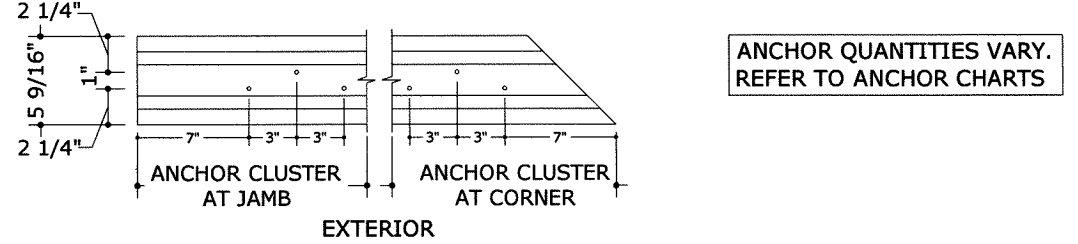
**DOOR HEADER ANCHOR LAYOUT & ALTERNATIVE SILL ANCHOR LAYOUT**



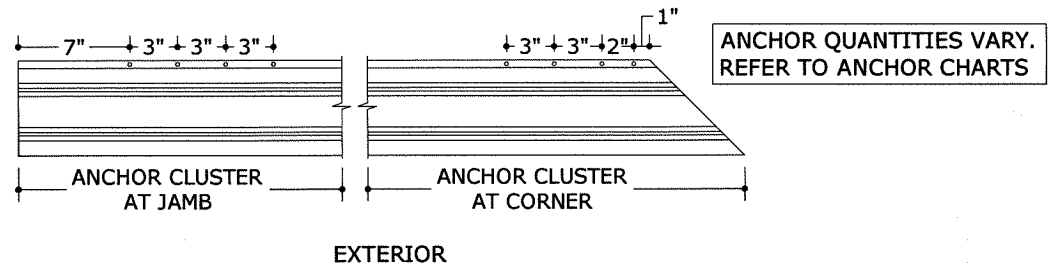
**"P" HOOK ANCHOR LAYOUT**



**DOOR HEADER ANCHOR LAYOUT @ CORNER CONFIGURATION**



**DOOR SILL ANCHOR LAYOUT @ CORNER CONFIGURATION**



**ANCHOR TYPES:**  
 "CA": 1/4" PFH ELCO ULTRACON, 1 3/4" EFFECTIVE EMBEDMENT INTO 2846 PSI CONCRETE MIN. WITH 2 1/2" EDGE DISTANCE AND 3" MIN SPACING BETWEEN ANCHORS.  
 "WA": 5/16" PFH ELCO ULTRACON, 1 1/2" MIN ENGAGEMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1" MIN EDGE DISTANCE AND 1" MIN SPACING BETWEEN ANCHORS.  
 "MA": 1/4"-14 PFH ELCO DRILLFLEX, INTO 1/8" ALUMINUM (6063-T5 MIN) OR 1/8" STEEL (A36 MIN), 7/8" MIN EDGE DISTANCE AND 1" MIN SPACING BETWEEN ANCHORS.

**NOTE:**  
 FOR PANELS GREATER THAN 60" ADD A CLUSTER OF ANCHORS OF (4) AT PANEL MIDSPANS. ANCHOR CLUSTER CENTER TO CENTER DISTANCE NOT TO EXCEED 60"

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 FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DRWN	CHKD	DATE
INT ISSUE	JEM	FLB	12/18/16
REV 1 - 90" DOOR	JEM	FLB	02/16/17
REV 2 - 2017 FBC UPDATE	JEM	FLB	12/18/17

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**16-3434**

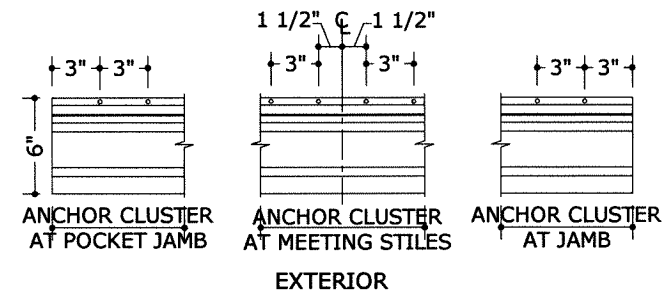
SCALE: SEE DETAILS

36

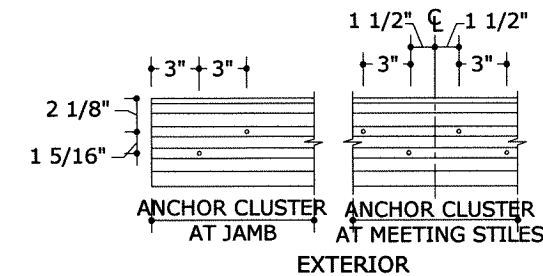
12/18/2017 - 7:37pm gordond V:\Projects\16-3434\_Slim Sliding Door\012017 FBC Update\CAD for Approval\16-3434\_011 CAD for NOA.dwg

FRAME HEIGHT (in)	FRAME WIDTH (in)	NUMBER OF ANCHORS AT THE CLUSTER INTO WOOD (WA)						NUMBER OF ANCHORS AT THE CLUSTER INTO CONCRETE (CA)			NUMBER OF ANCHORS AT THE CLUSTER INTO METAL (MA)					
		ALLOWABLE PRESSURE (PSF)						ALLOWABLE PRESSURE (PSF)			ALLOWABLE PRESSURE (PSF)					
		4	6	8	10	12	14	16	4	6	8	4	6	8	10	12
114	24	80	100	100	100	100	100	100	100	100	100	100	100	100	100	
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126	24	72	100	100	100	100	100	100	100	100	100	100	100	100	100	
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	36	48	72	97	100	100	100	100	100	99	100	100	74	100	100	
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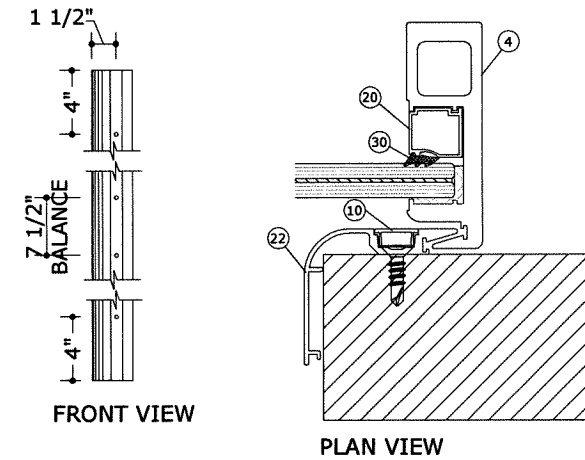
**DOOR SILL ANCHOR LAYOUT**



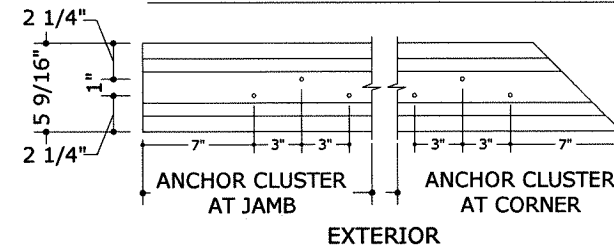
**DOOR HEADER ANCHOR LAYOUT & ALTERNATIVE SILL ANCHOR LAYOUT**



**"P" HOOK ANCHOR LAYOUT**

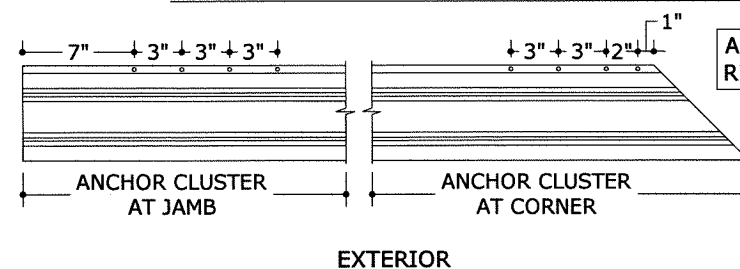


**DOOR HEADER ANCHOR LAYOUT @ CORNER CONFIGURATION**



ANCHOR QUANTITIES VARY. REFER TO ANCHOR CHARTS

**DOOR SILL ANCHOR LAYOUT @ CORNER CONFIGURATION**



ANCHOR QUANTITIES VARY. REFER TO ANCHOR CHARTS

**ANCHOR TYPES:**

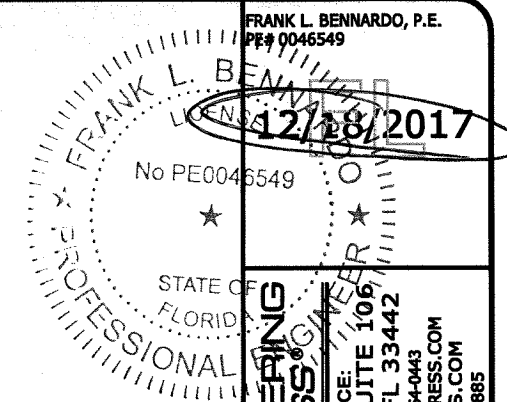
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 PERFETTA SERIES SLIDING GLASS DOORS  
 FLORIDA BUILDING CODE SIXTH EDITION (2017)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	FLB	12/18/16
REV 1 - 90" DOOR	JEM	FLB	02/16/17
REV 2 - 2017 FBC UPDATE	JEM	FLB	12/18/17

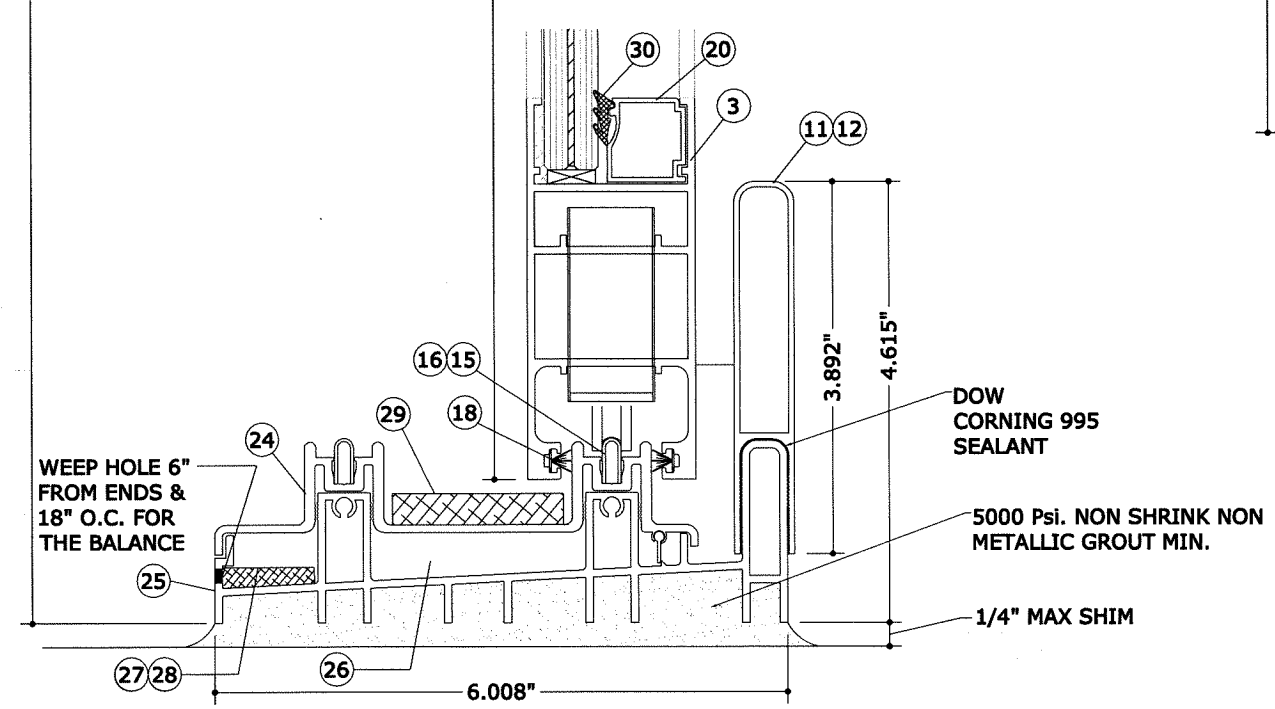
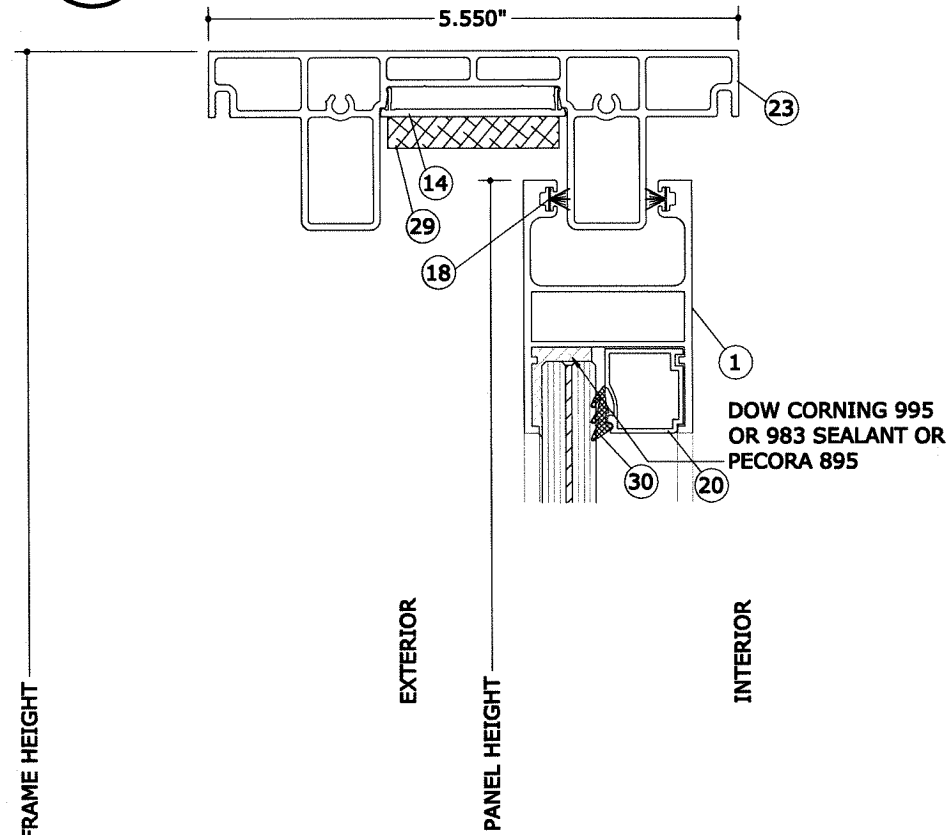
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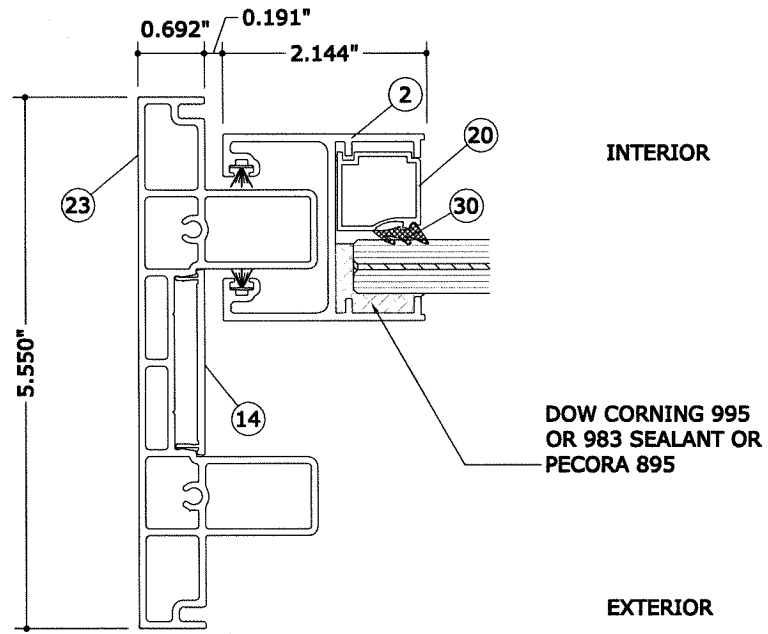
# 2 TRACK SECTIONS

**1**  
**8** TYPICAL HEADER SECTION  
 6" = 1'-0" VERT SECT



**2**  
**8** TYPICAL SILL SECTION  
 6" = 1'-0" VERT SECT

**3**  
**8** TYPICAL JAMB SECTION  
 6" = 1'-0" VERT SECT



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 12/18/2017  
 No PE0046549  
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 PROFESSIONAL ENGINEER

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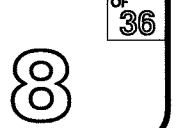
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INIT ISSUE	JEM	FLB	12/16/16
REV. 1 - 90° DOOR	JEM	FLB	02/16/17
REV. 2 - 2017 FBC UPDATE	JEM	FLB	12/18/17

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NOTE: NO ANCHORS REQUIRED AT THE JAMBS



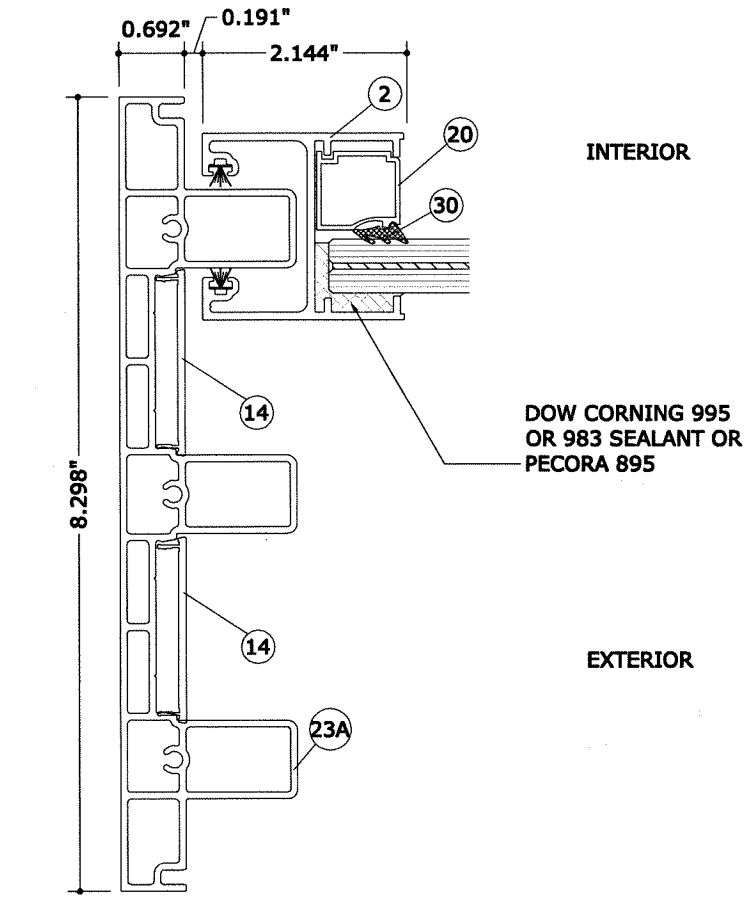
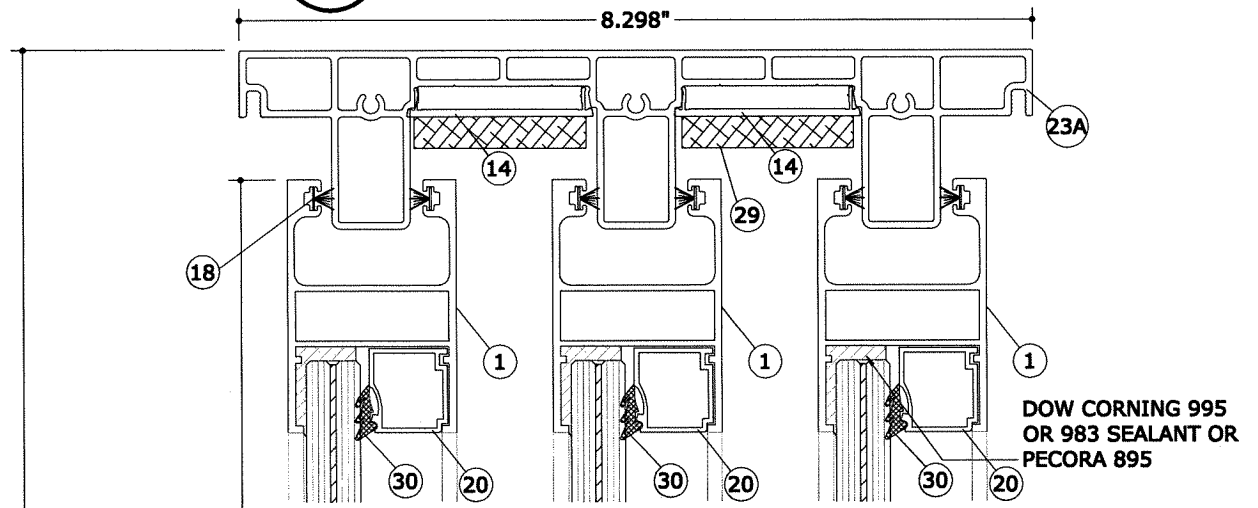
# 3 TRACK SECTIONS

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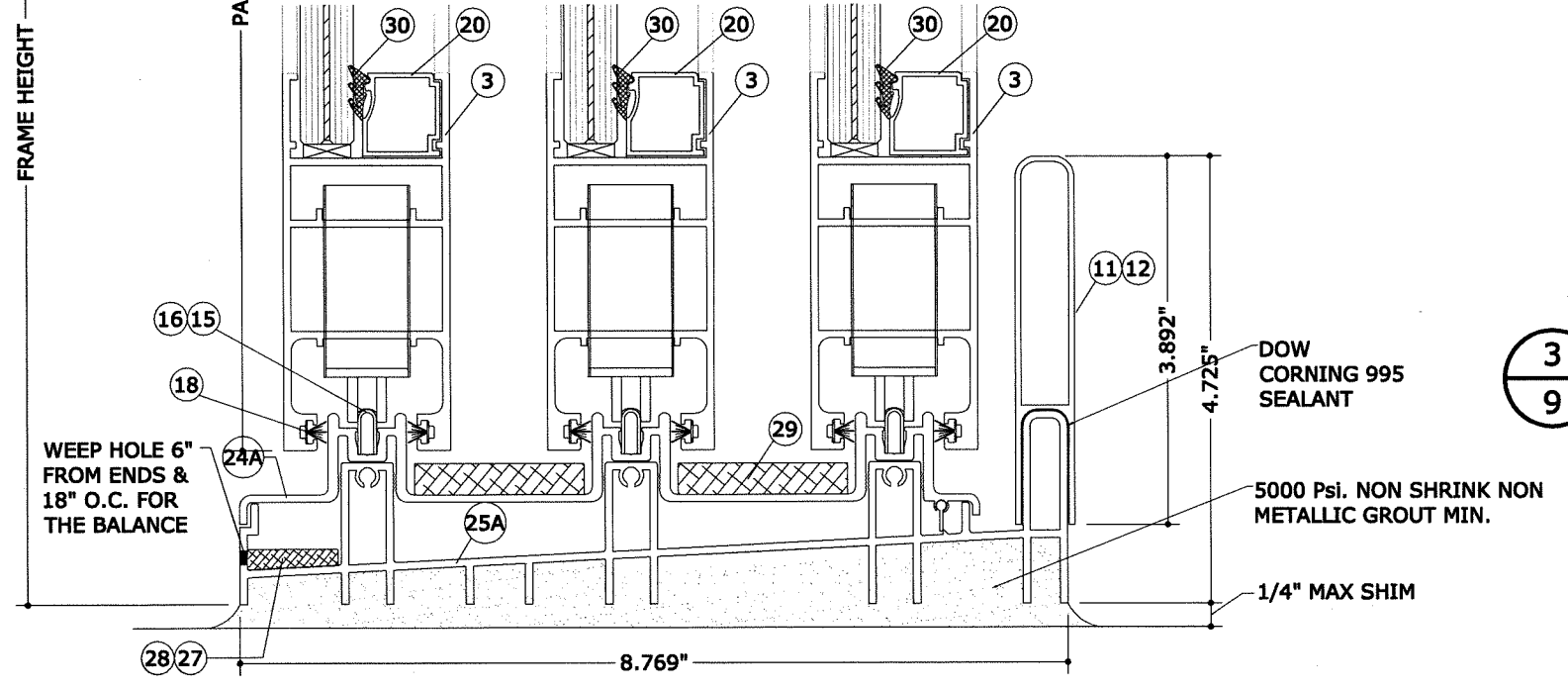
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**1 TYPICAL HEADER SECTION**  
 9 6" = 1'-0" VERT SECT



**3 TYPICAL JAMB SECTION**  
 9 6" = 1'-0" VERT SECT

**2 TYPICAL SILL SECTION**  
 9 6" = 1'-0" VERT SECT



REMARKS	DRWN	CHKD	DATE
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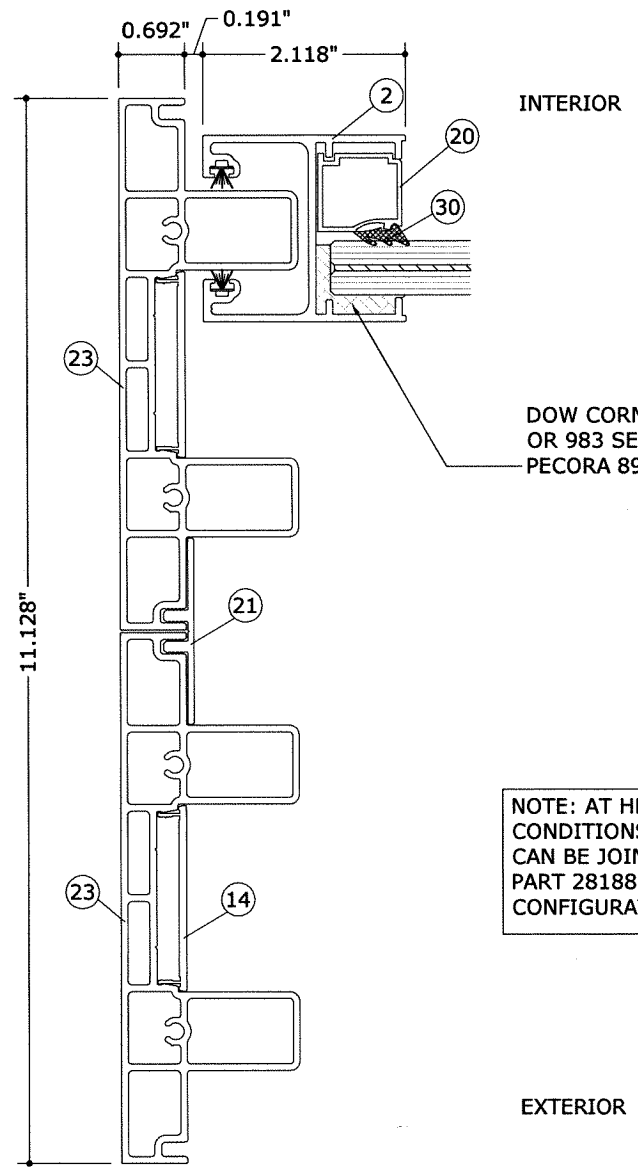
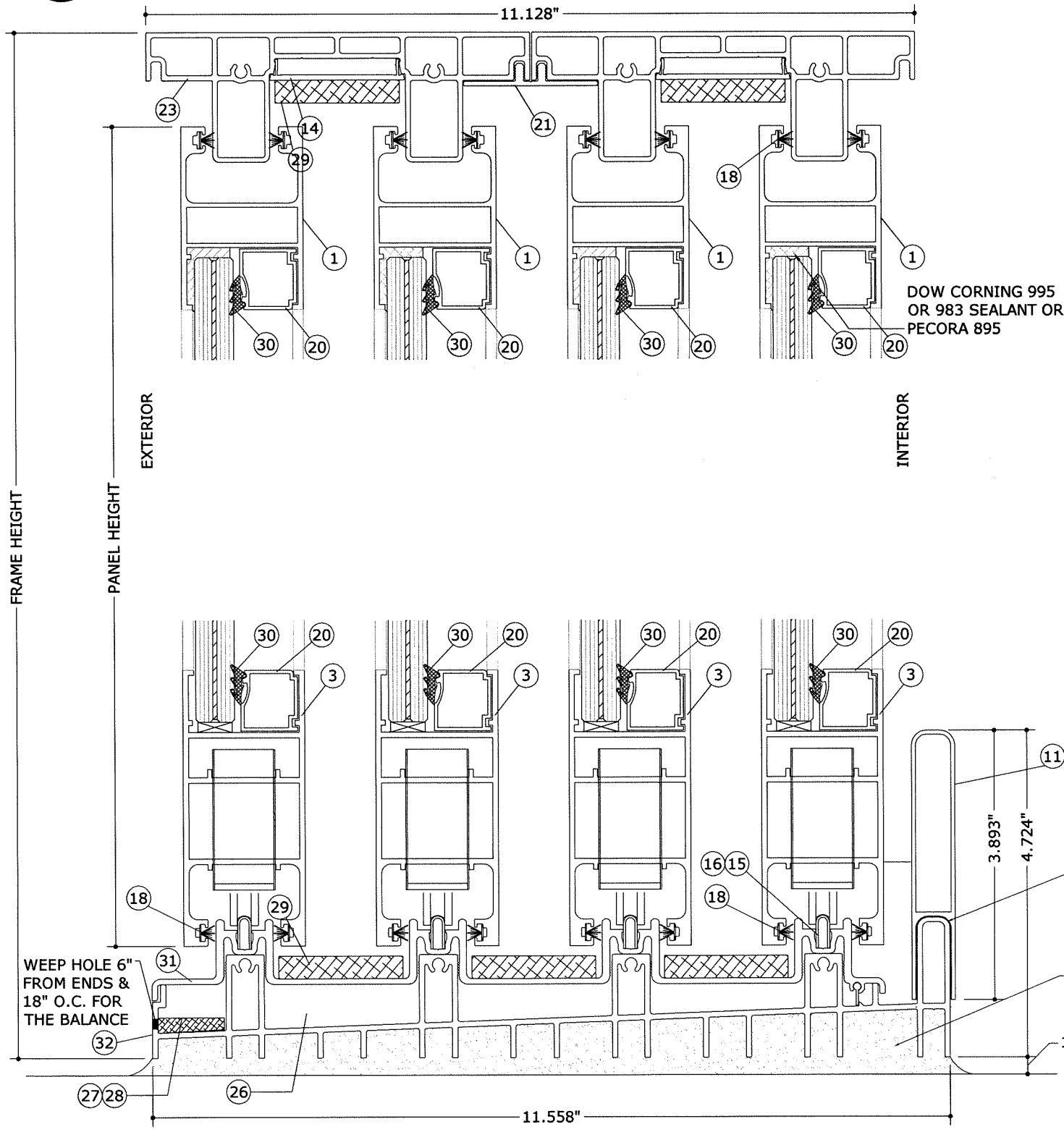
NOTE: NO ANCHORS REQUIRED AT THE JAMBS

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V:\Projects\16-3434 Slim Sliding Door\12017 FBC Update\CAD for Approval\16-3434\_011 CAD for NOA.dwg  
 12/18/2017 - 7:37pm gordon

**1** TYPICAL HEADER SECTION  
 10 6" = 1'-0" VERT SECT

**4 TRACK SECTIONS**

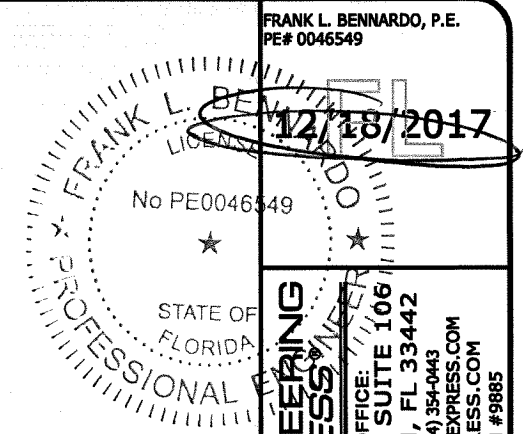


NOTE: AT HEAD AND JAMB CONDITIONS TWO PARTS P28187 CAN BE JOINED TOGETHER USING PART 28188 TO FORM A 4 TRACK CONFIGURATION.

**3** TYPICAL JAMB SECTION  
 10 6" = 1'-0" VERT SECT

**2** TYPICAL SILL SECTION  
 10 6" = 1'-0" VERT SECT

NOTE: NO ANCHORS REQUIRED AT THE JAMBS



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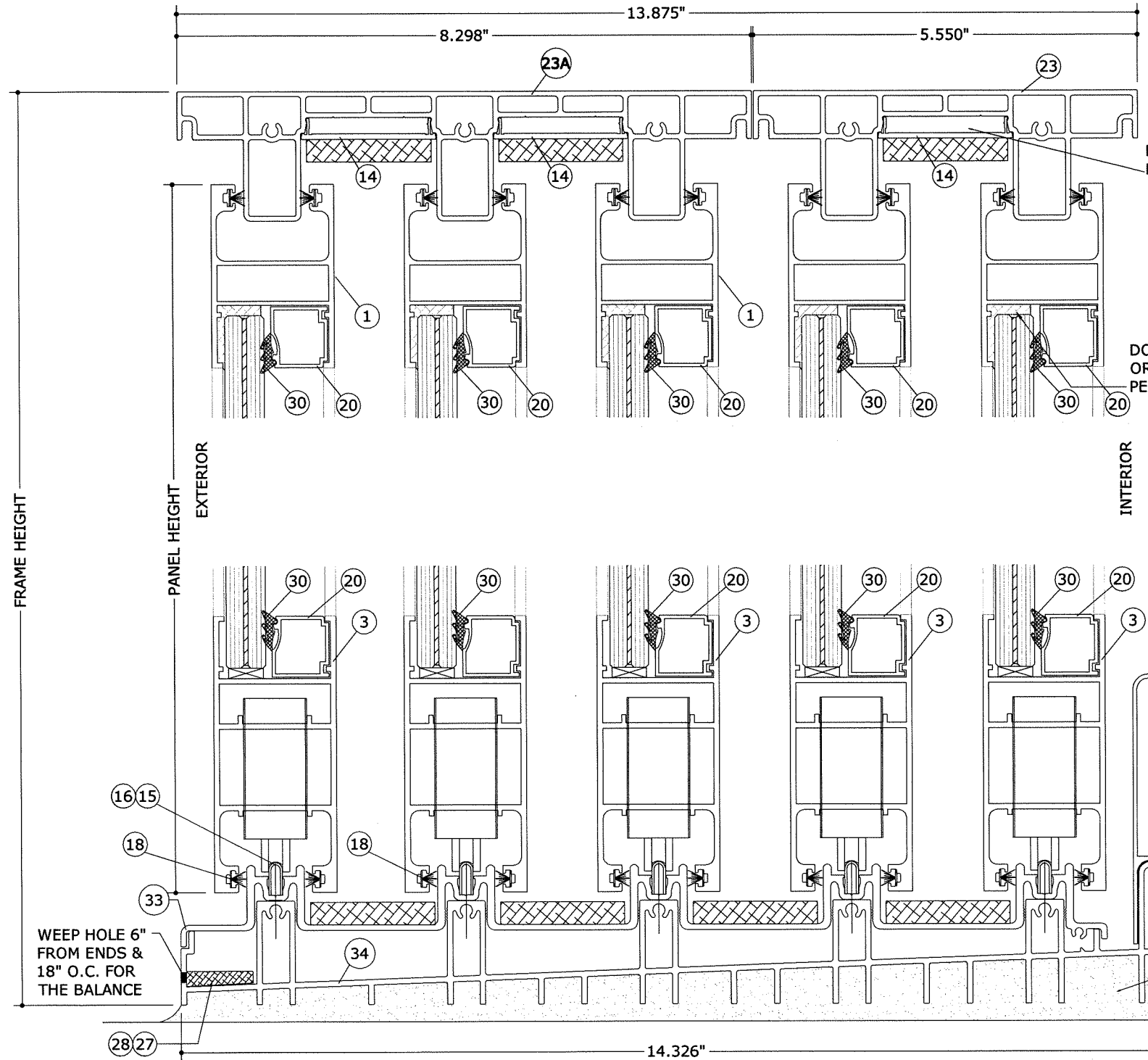
REMARKS	DRWN	CHKD	DATE
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REV 1 - 90" DOOR	JEM	FLB	02/16/17
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# 5 TRACK SECTIONS

**1** TYPICAL HEADER SECTION  
**11** 6" = 1'-0" VERT SECT



POLYPROPYLENE NYLON DUST PLUG BY ULTRAFAB

DOW CORNING 995 OR 983 SEALANT OR PECORA 895

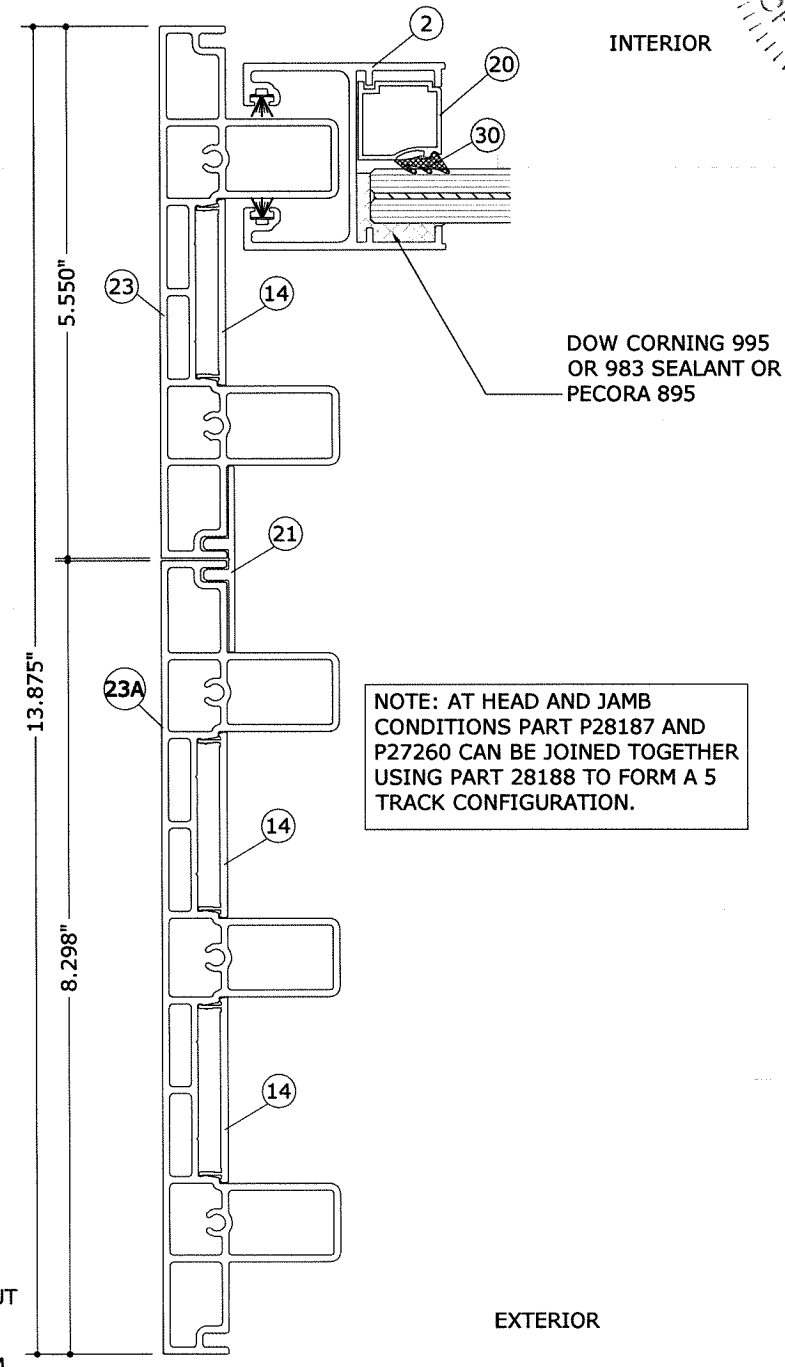
DOW CORNING 995 SEALANT

5000 Psi. NON SHRINK NON METALLIC GROUT MIN.

1/4" MAX SHIM

**2** TYPICAL HEADER SECTION  
**11** 6" = 1'-0" VERT SECT

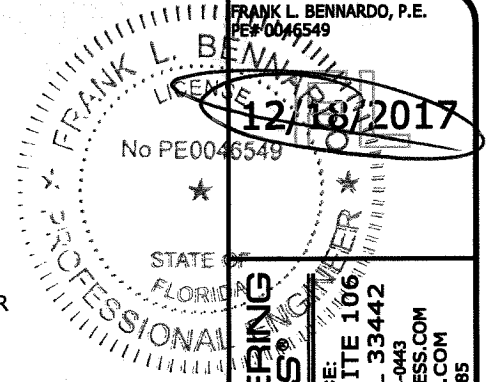
**3** TYPICAL JAMB SECTION  
**11** 6" = 1'-0" VERT SECT



DOW CORNING 995 OR 983 SEALANT OR PECORA 895

NOTE: AT HEAD AND JAMB CONDITIONS PART P28187 AND P27260 CAN BE JOINED TOGETHER USING PART 28188 TO FORM A 5 TRACK CONFIGURATION.

NOTE: NO ANCHORS REQUIRED AT THE JAMBS



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REMARKS	DRWN	CHKD	DATE
INT ISSUE	JEM	FLB	12/18/16
REV. 1 - 90" DOOR	JEM	FLB	02/16/17
REV. 2 - 2017 FBC UPDATE	JEM	FLB	12/18/17

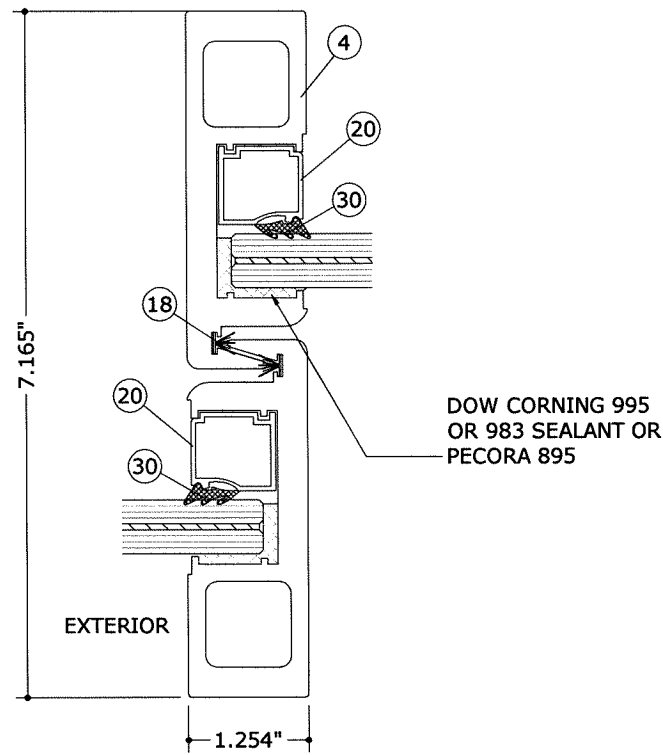
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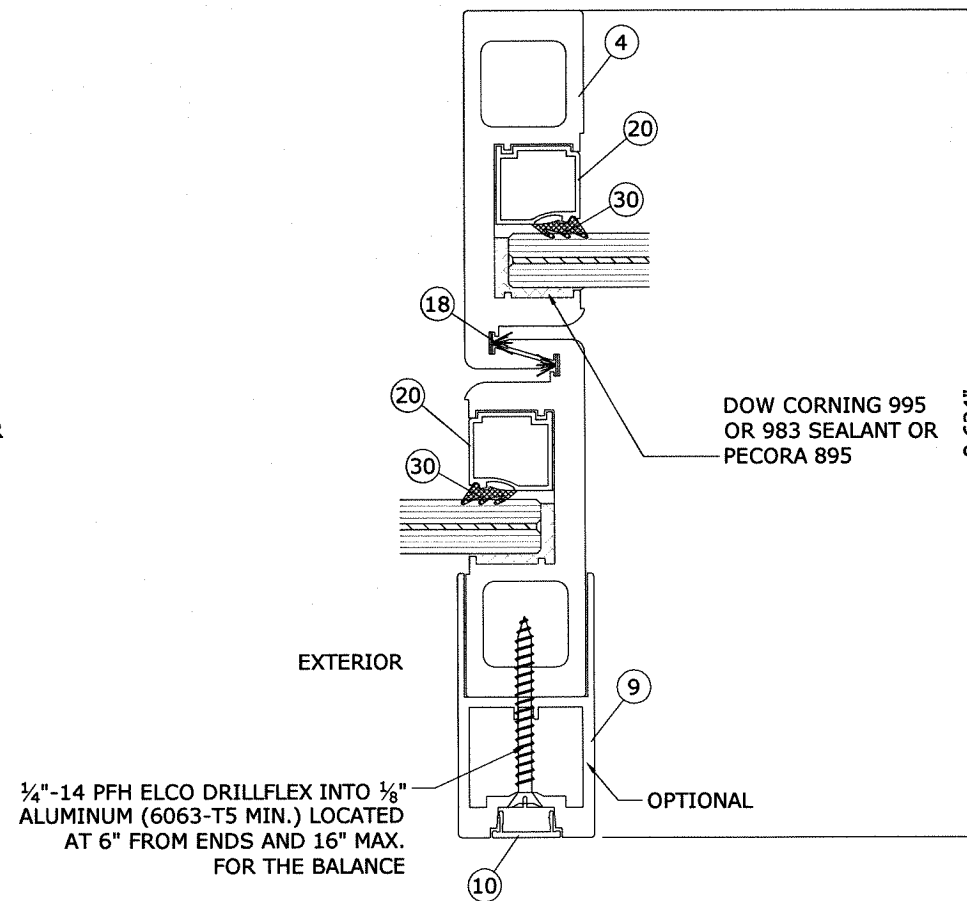
16-3434  
 SCALE: SEE DETAILS

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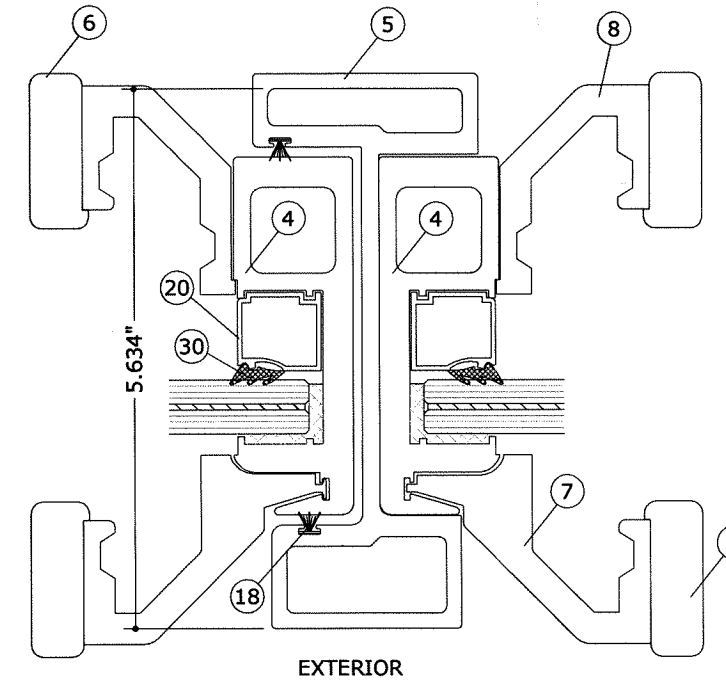
# 2, 3, 4 & 5 TRACK SECTIONS



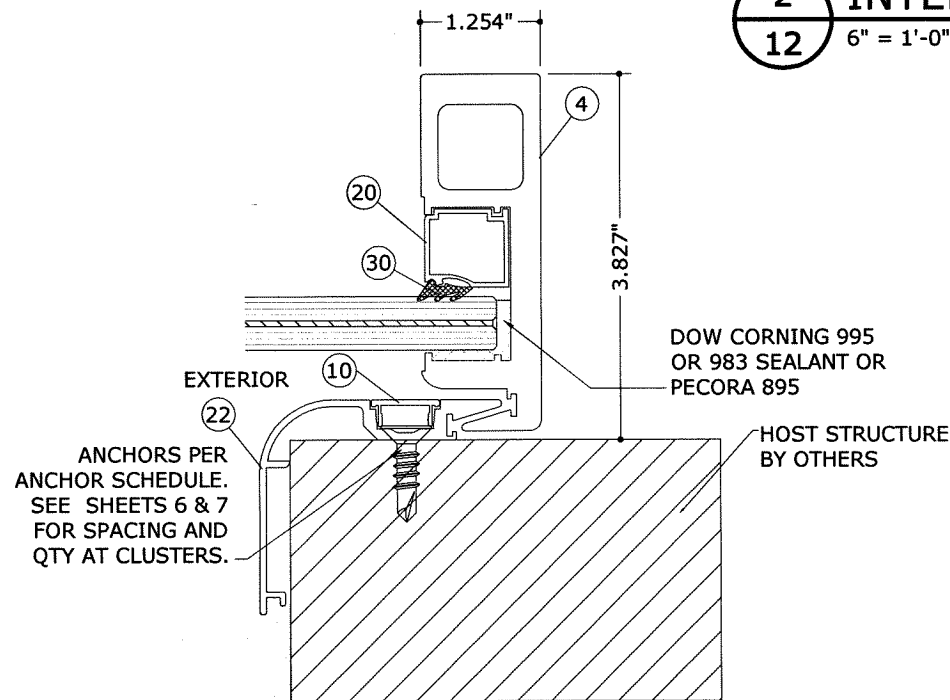
**1** INTERLOCK DETAIL  
12 6" = 1'-0"



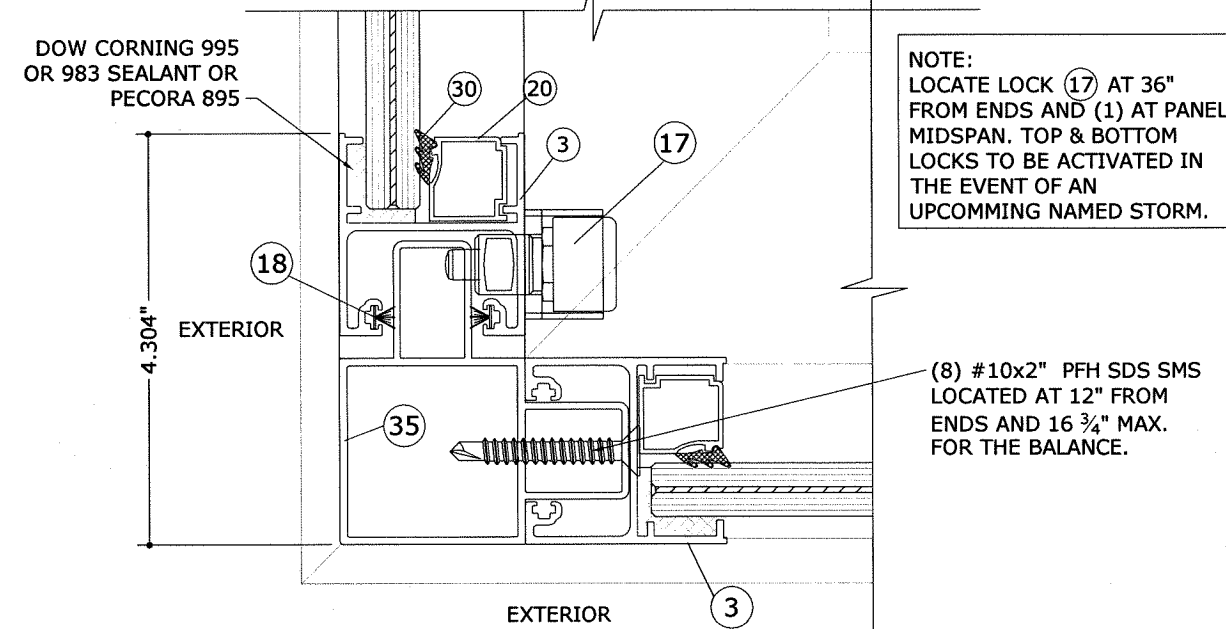
**2** INTERLOCK DETAIL (REINFORCED)  
12 6" = 1'-0"



**3** MEETING STILES DETAIL  
12 6" = 1'-0"



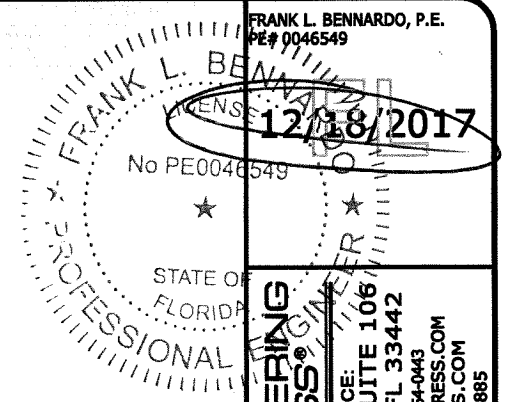
**4** POCKET JAMB DETAIL  
12 6" = 1'-0"



**5** CORNER DETAIL  
12 6" = 1'-0"

NOTE:  
LOCATE LOCK (17) AT 36"  
FROM ENDS AND (1) AT PANEL  
MIDSPAN. TOP & BOTTOM  
LOCKS TO BE ACTIVATED IN  
THE EVENT OF AN  
UPCOMING NAMED STORM.

(8) #10x2" PFH SDS SMS  
LOCATED AT 12" FROM  
ENDS AND 16 3/4" MAX.  
FOR THE BALANCE.



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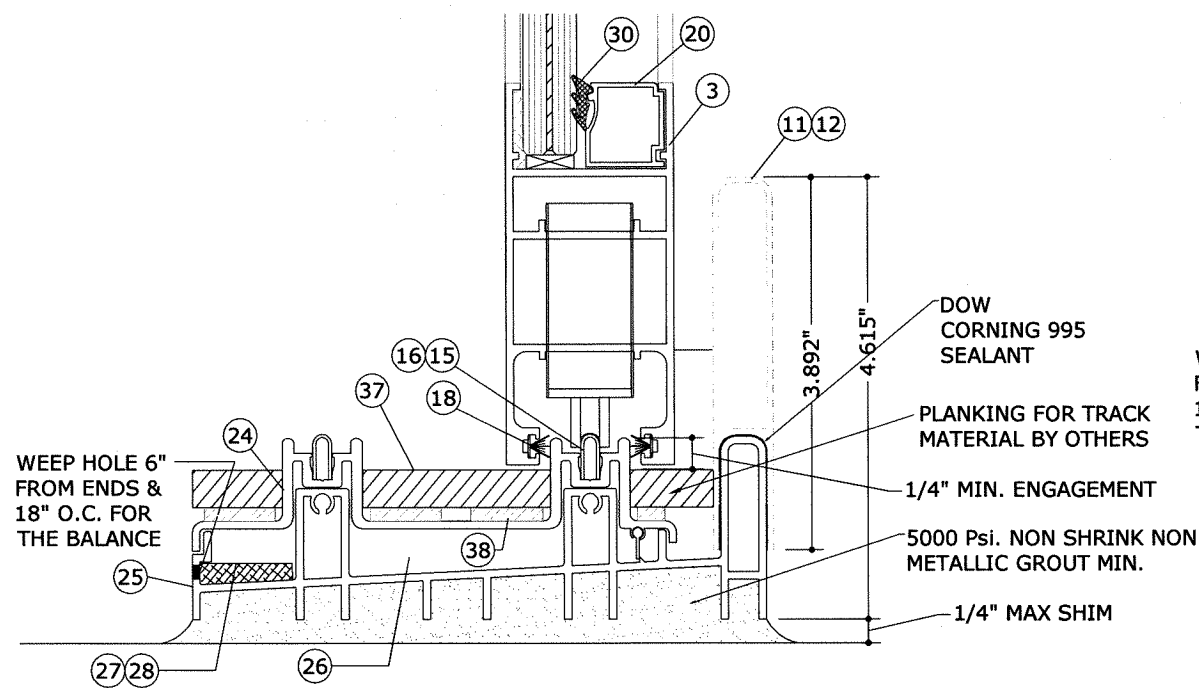
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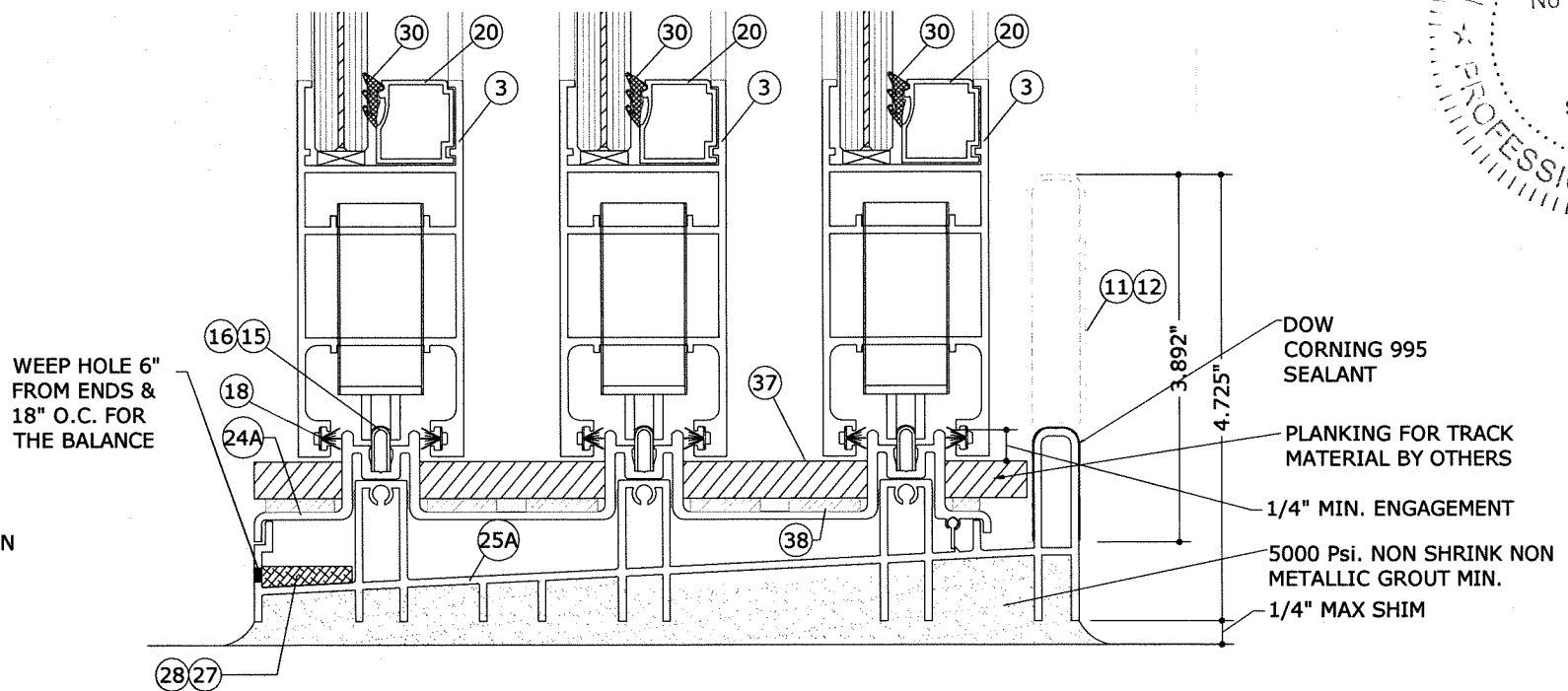
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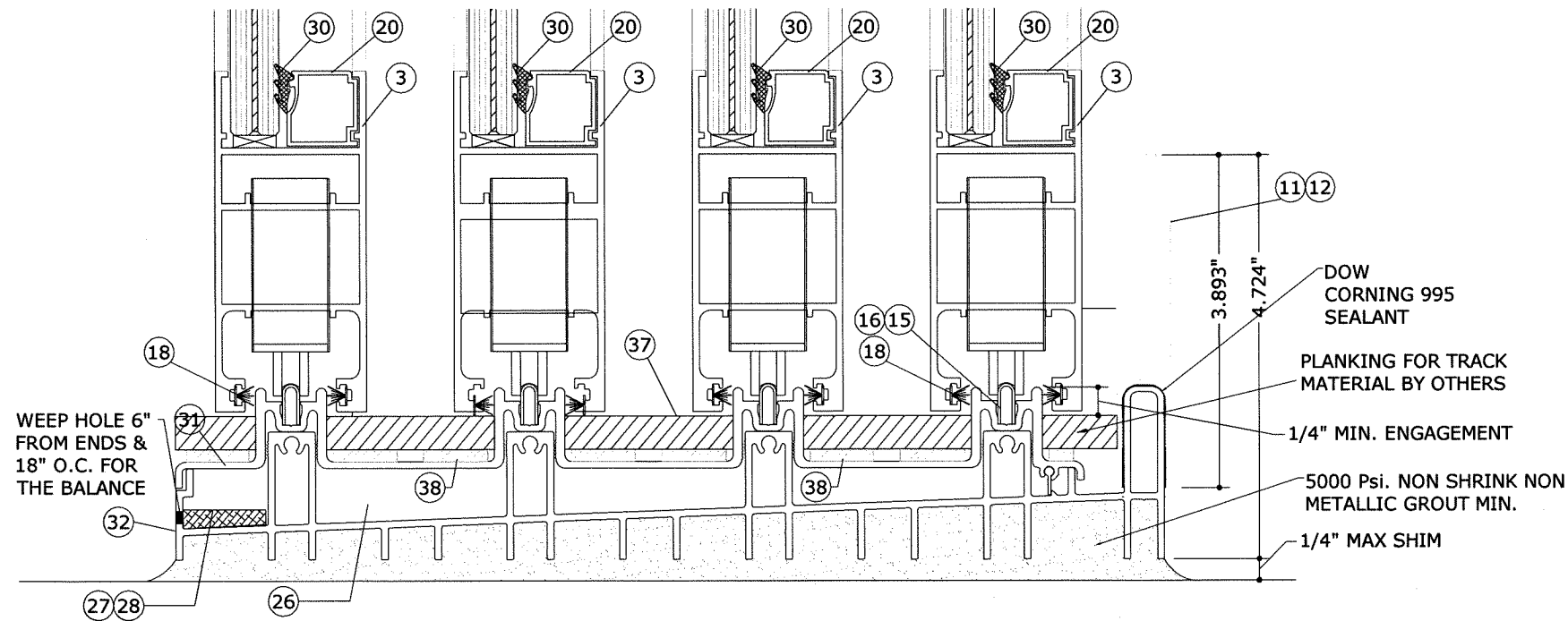
# ALTERNATIVE FLUSH SILL DETAILS



**1** FLUSH SILL SECTION  
13 6" = 1'-0" VERT SECT



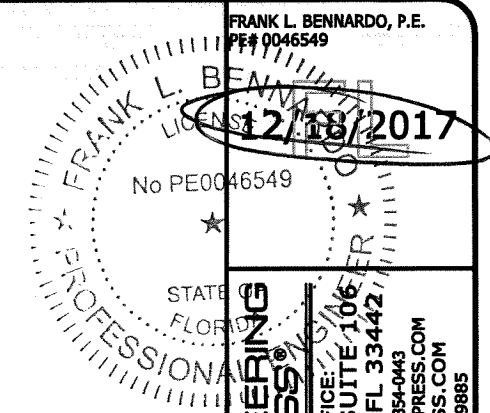
**2** FLUSH SILL SECTION  
13 6" = 1'-0" VERT SECT



**3** FLUSH SILL SECTION  
13 6" = 1'-0" VERT SECT

NOTE: MAX. DESIGN PRESSURE FOR DETAILS 1, 2 & 3 ON THIS SHEET ARE LIMITED TO -70 / +60 P.S.F.

NOTE: FLUSH TRACK OPTION IS NOT APPROVED FOR WATER INFILTRATION.



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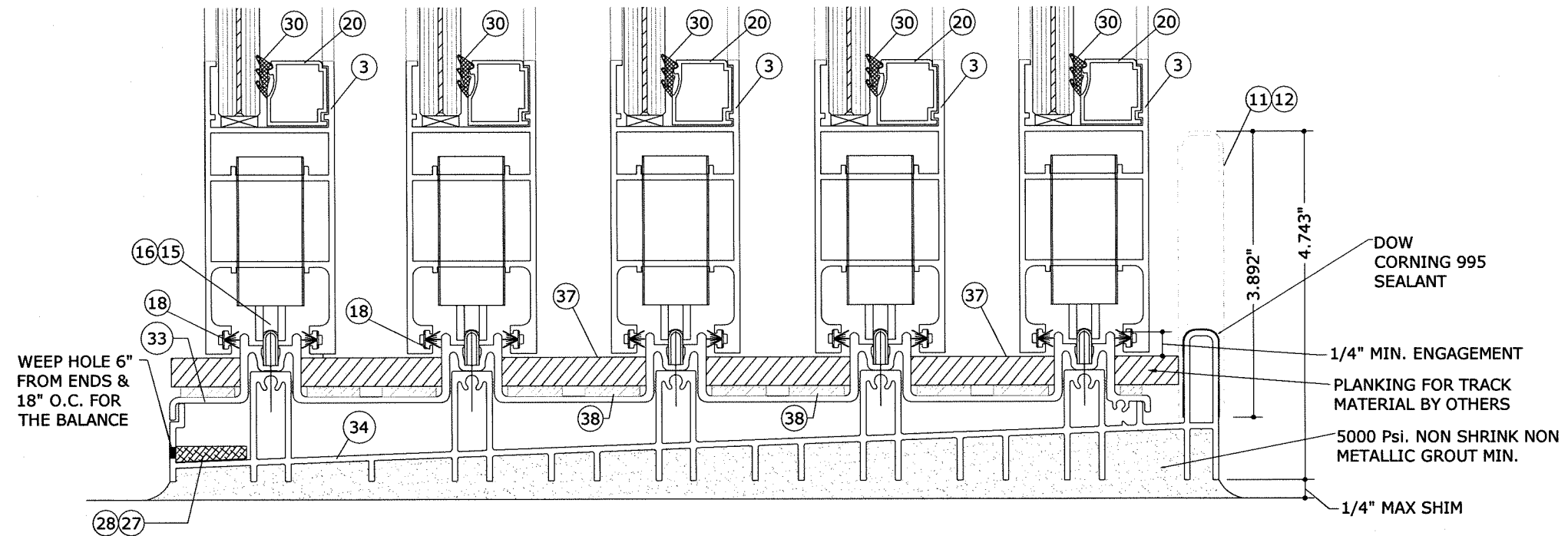
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# ALTERNATIVE FLUSH SILL DETAILS

FRANK L. BENNARDO, P.E.  
 PE# 0046549  
 12/18/2017  
 No PE00400000  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

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WEEP HOLE 6" FROM ENDS & 18" O.C. FOR THE BALANCE

DOW CORNING 995 SEALANT  
 1/4" MIN. ENGAGEMENT  
 PLANKING FOR TRACK MATERIAL BY OTHERS  
 5000 Psi. NON SHRINK NON METALLIC GROUT MIN.  
 1/4" MAX SHIM

**1** FLUSH SILL SECTION  
**14** 6" = 1'-0" VERT SECT

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NOTE: MAX. DESIGN PRESSURE FOR DETAIL 1 ON THIS SHEET IS LIMITED TO -70 / +60 P.S.F.

NOTE: FLUSH TRACK OPTION IS NOT APPROVED FOR WATER INFILTRATION.

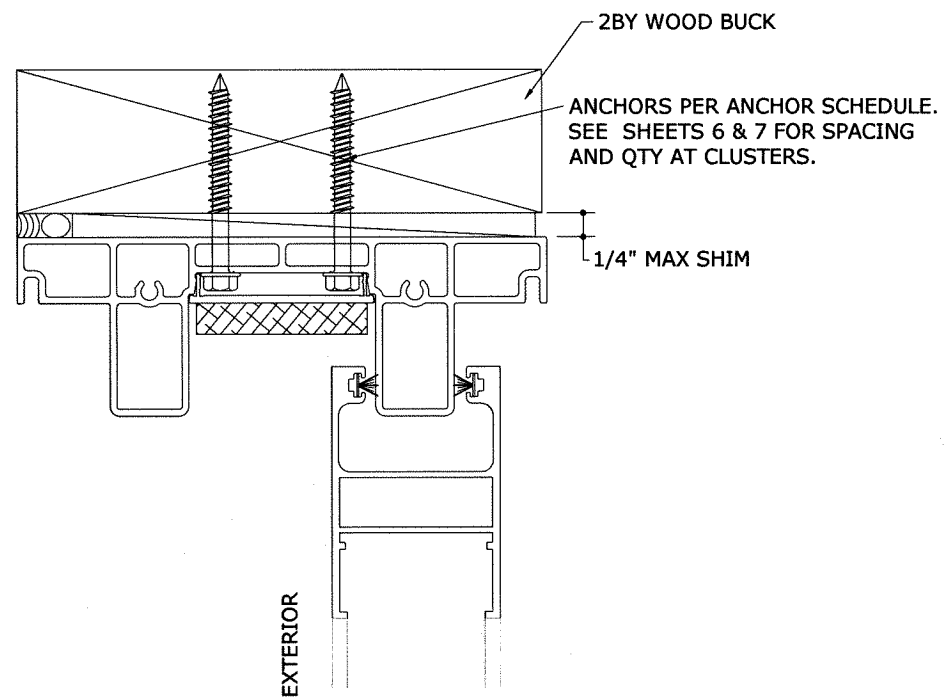
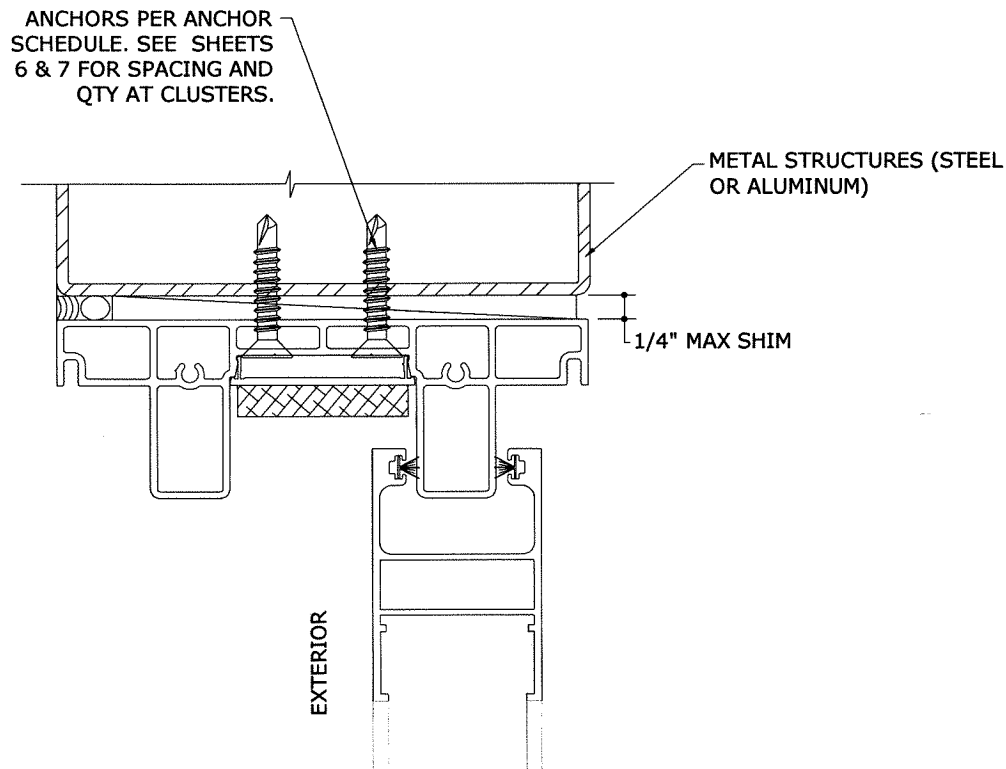
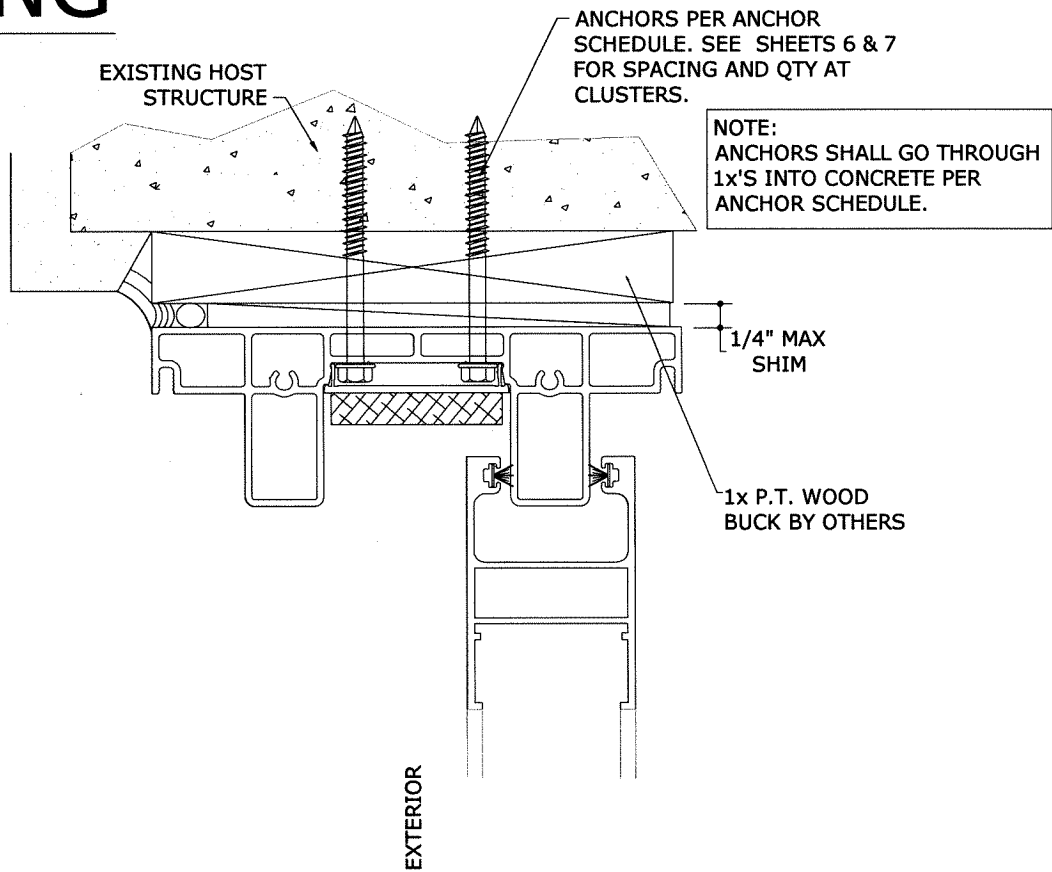
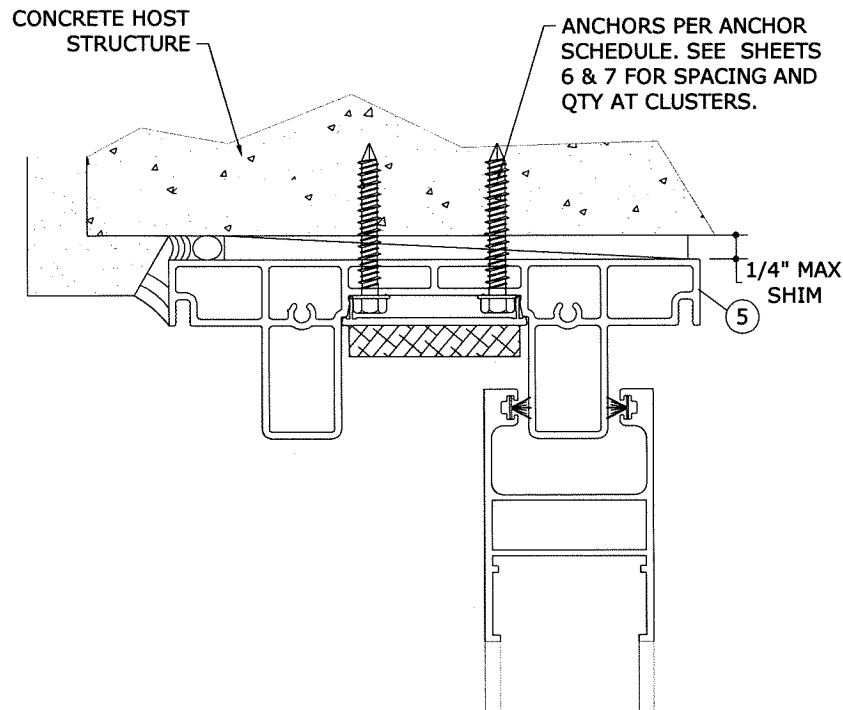
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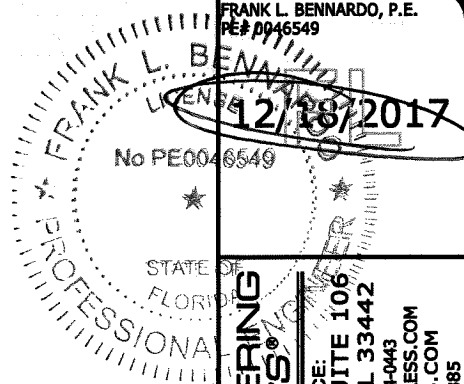
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# 2 TRACK ANCHORING



WOOD BUCKS AND METAL STRUCTURE NOT BY LA FINESTRA. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

NOTE:  
QUALIFYING SUBSTRATES CAN BE FOUND UNDER ANCHOR TYPES ON PAGES 6 & 7



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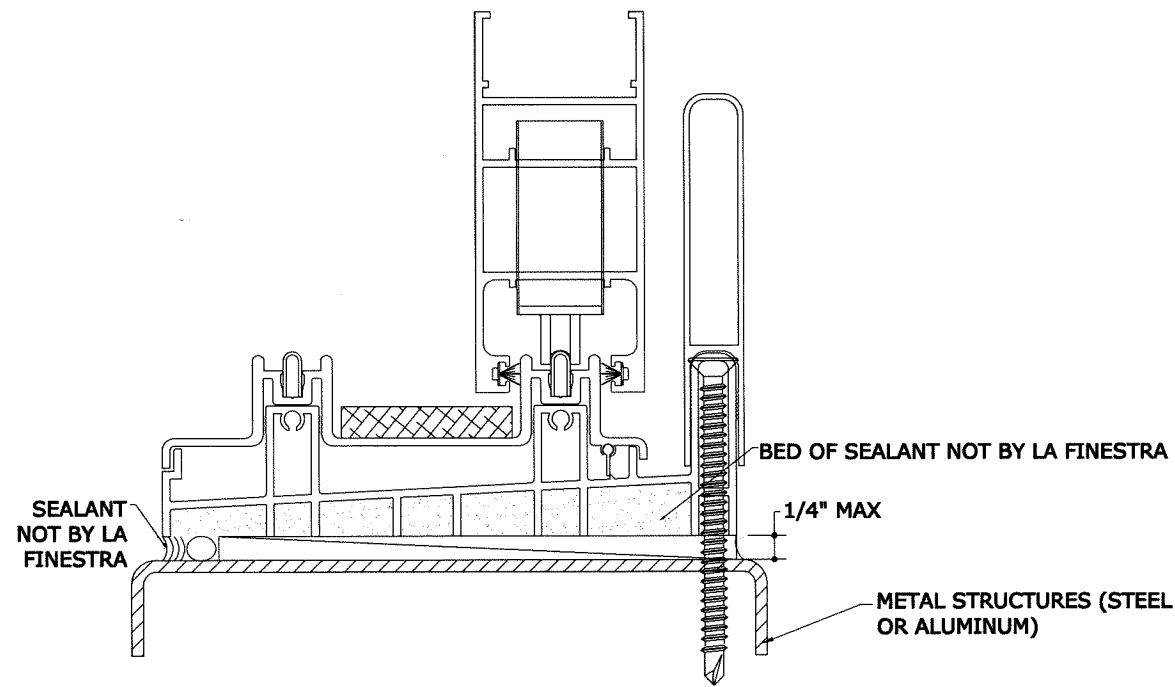
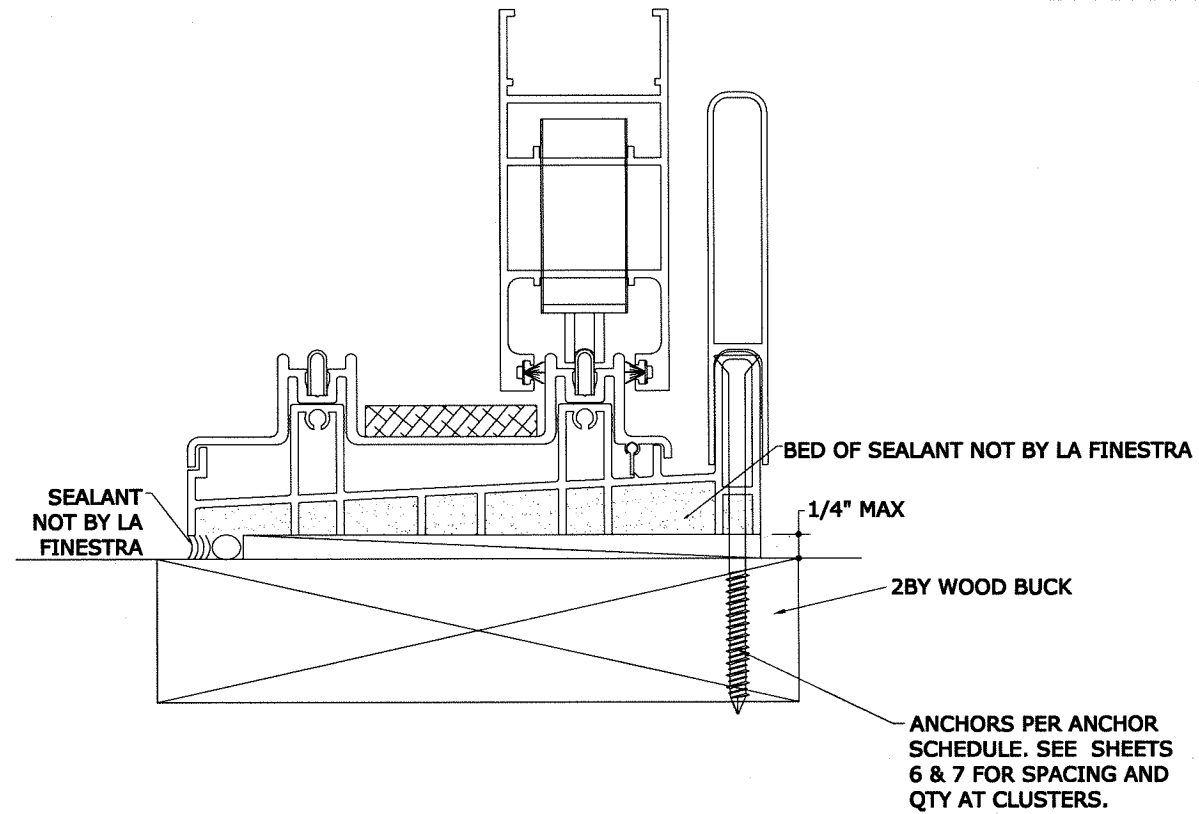
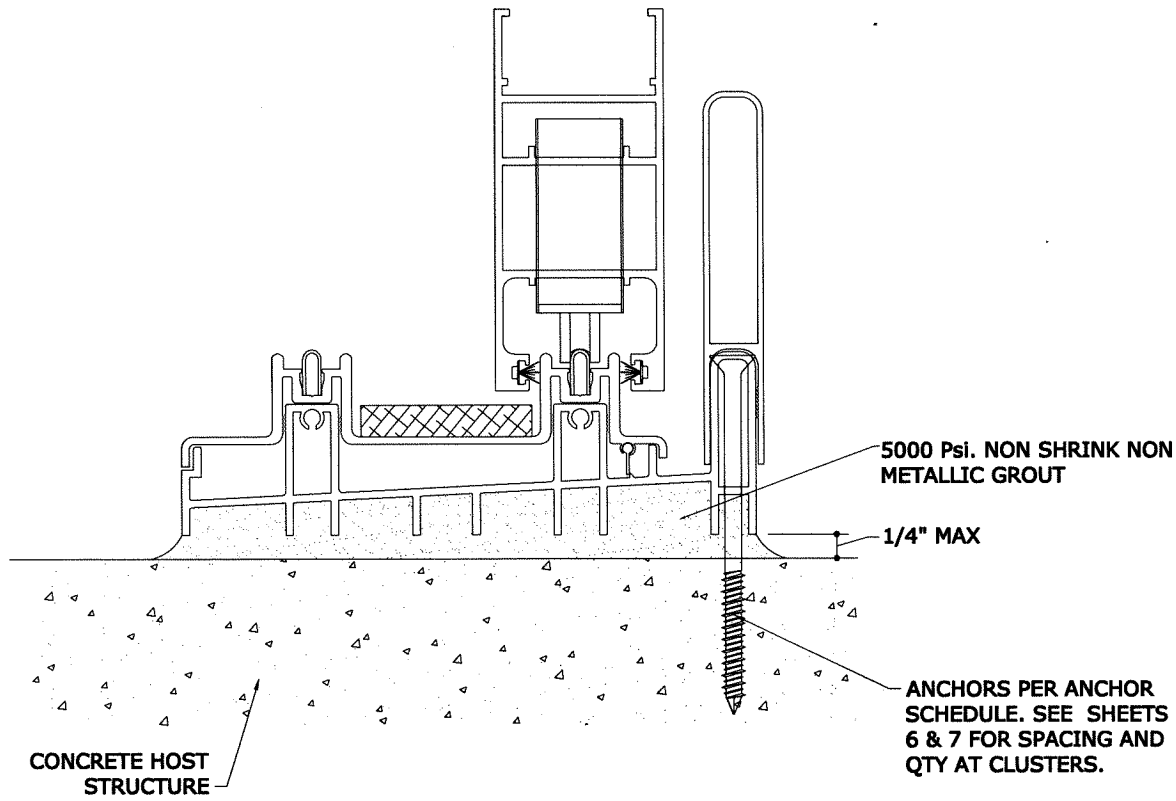
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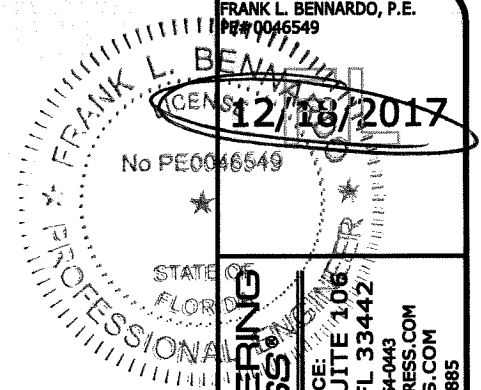
SCALE: SEE DETAILS

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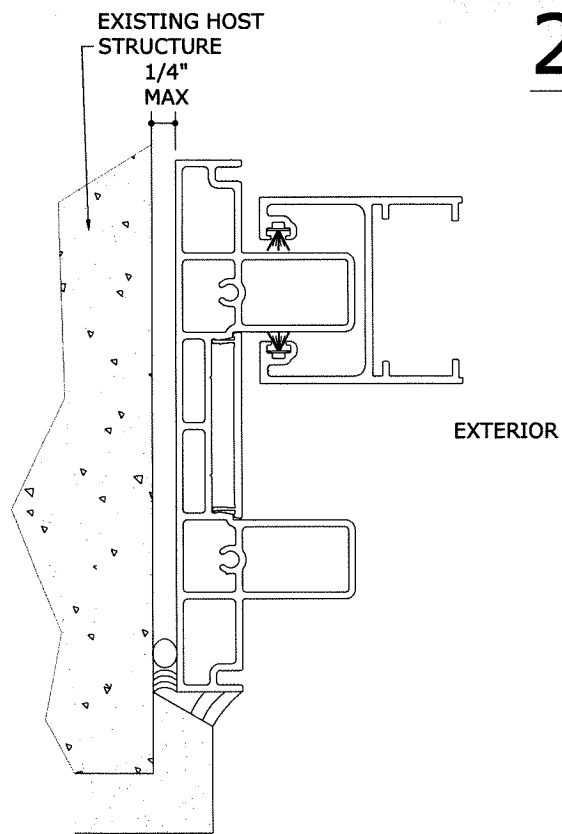
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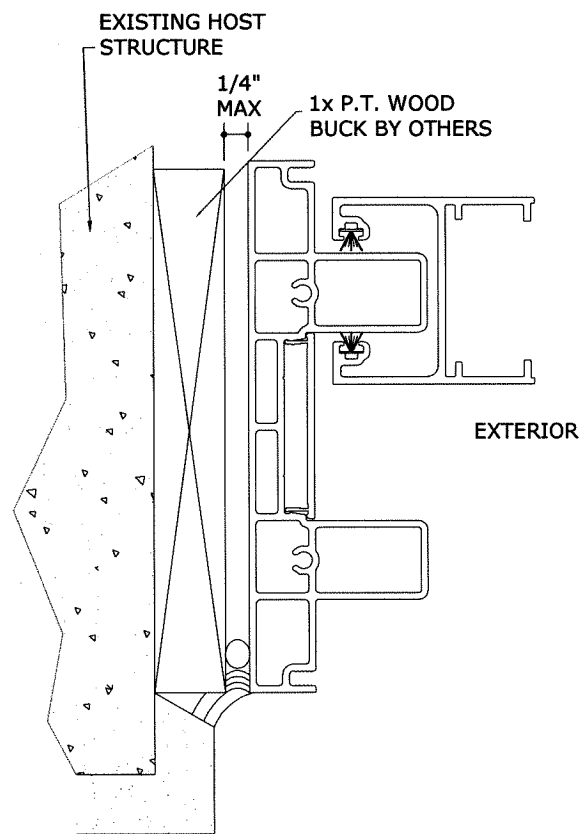
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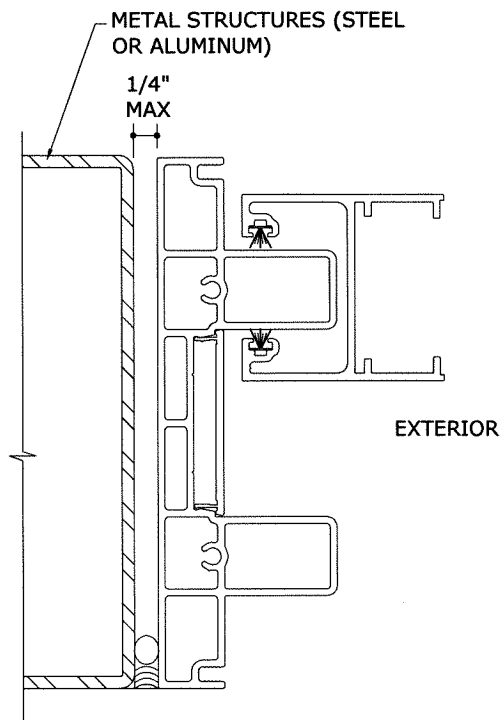
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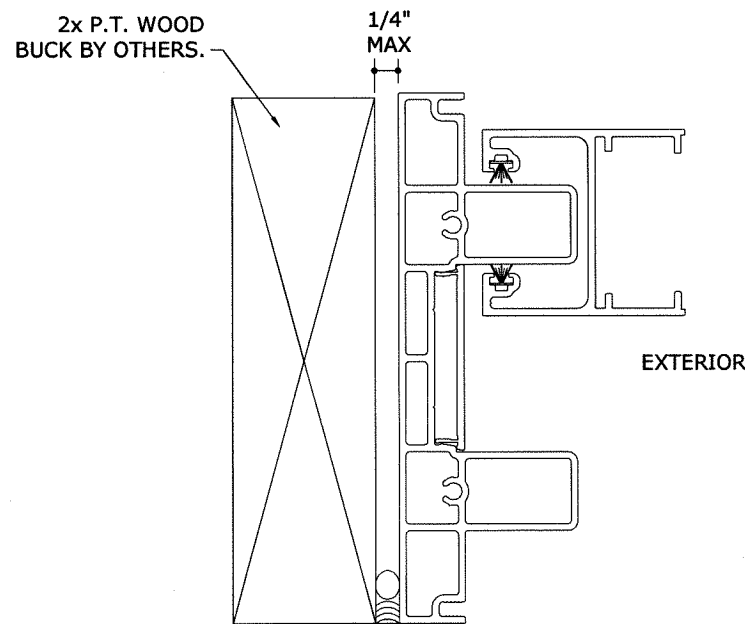
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EXTERIOR



EXTERIOR

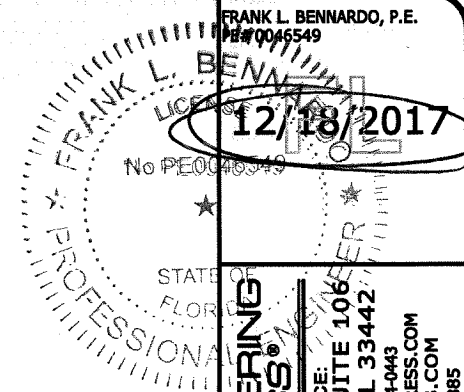


EXTERIOR

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NOTE: NO ANCHORS REQUIRED AT THE JAMBS

NOTE:  
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PAGES 6 & 7



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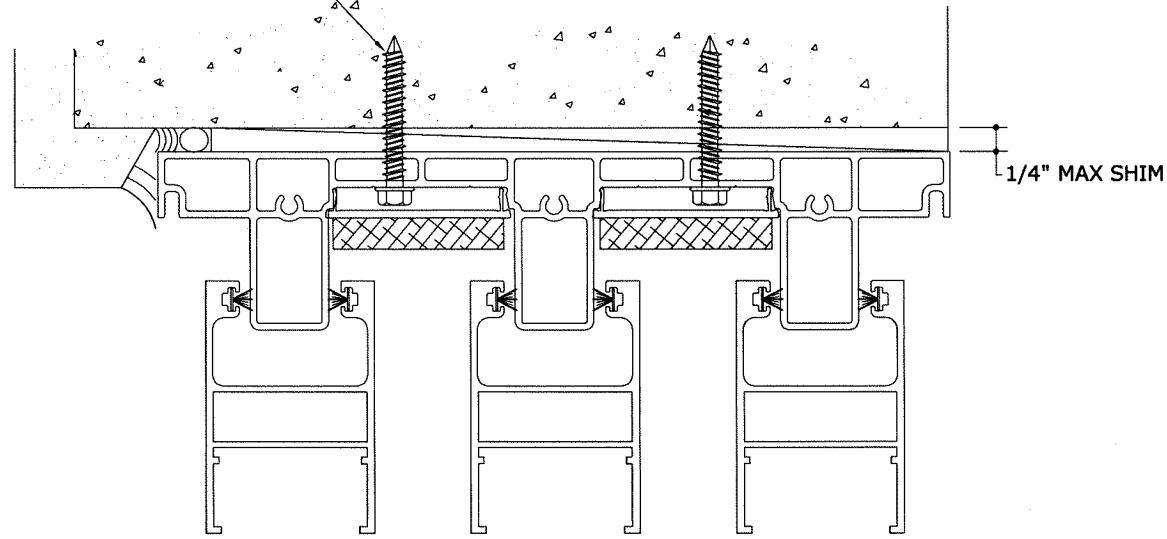
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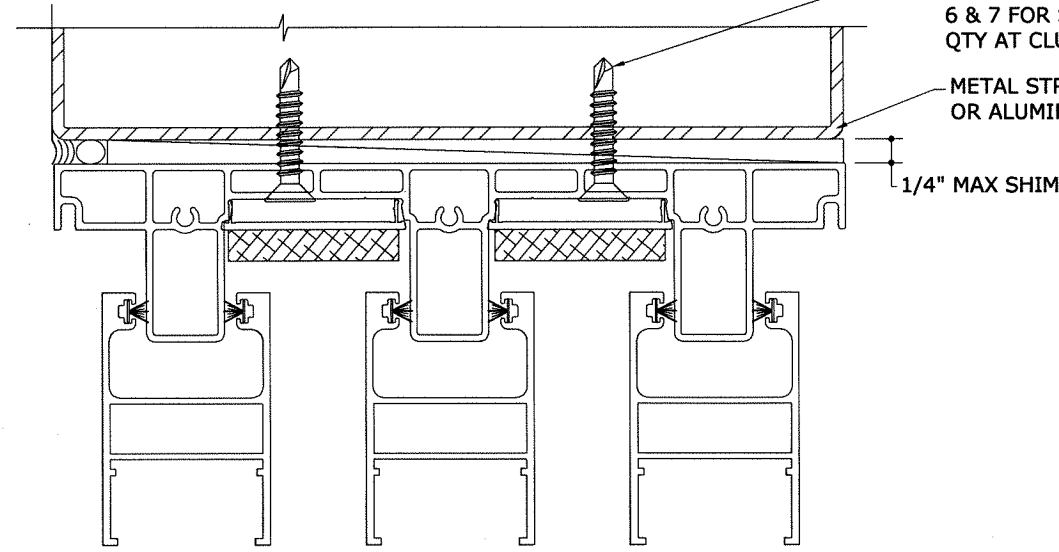
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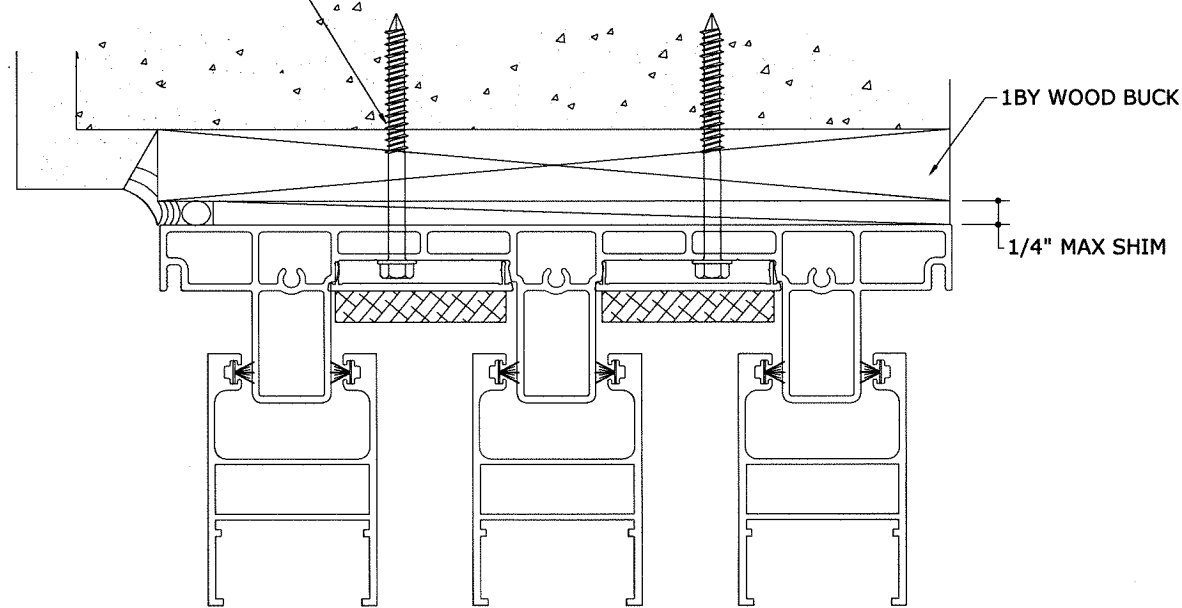
ANCHORS PER ANCHOR SCHEDULE. SEE SHEETS 6 & 7 FOR SPACING AND QTY AT CLUSTERS.

METAL STRUCTURES (STEEL OR ALUMINUM)



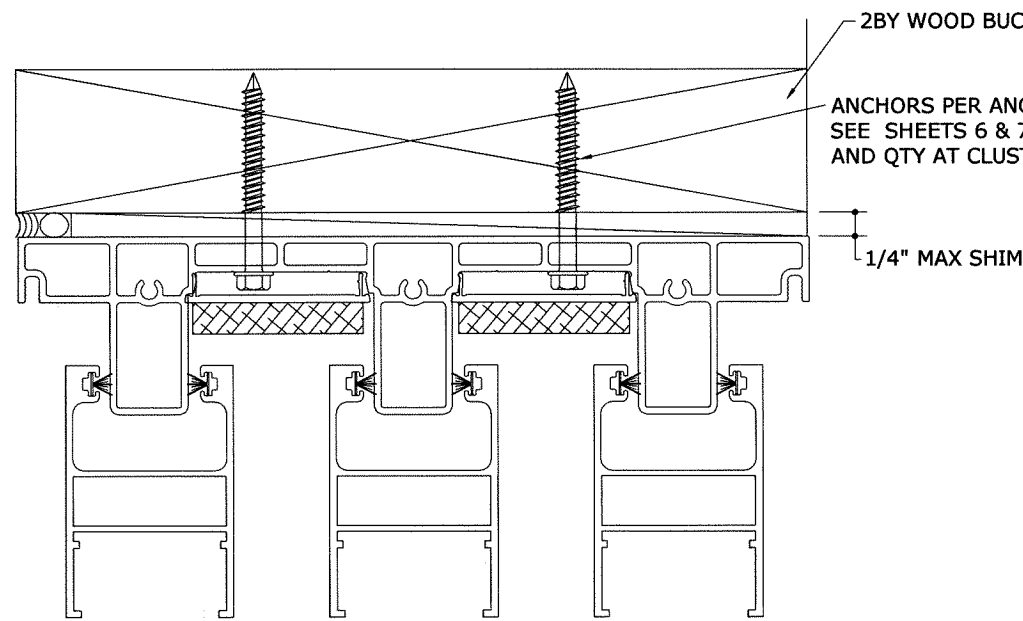
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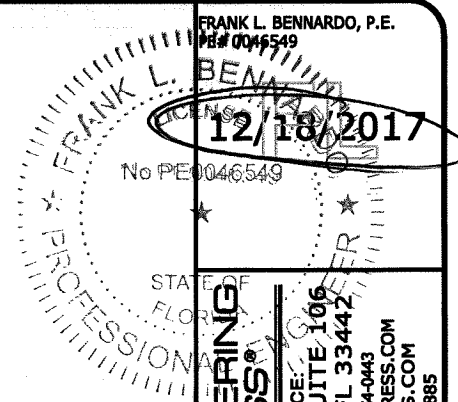
2BY WOOD BUCK

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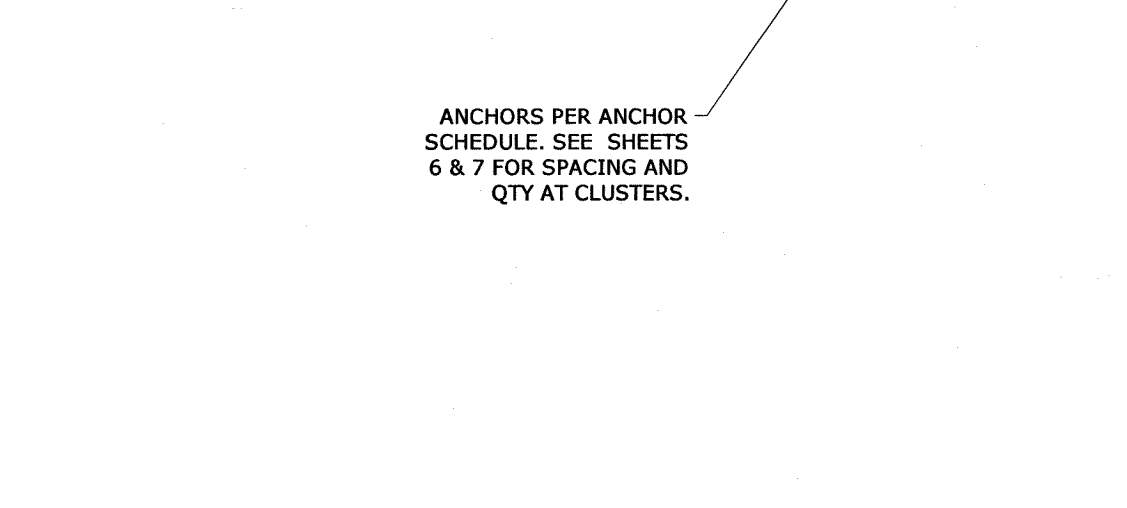
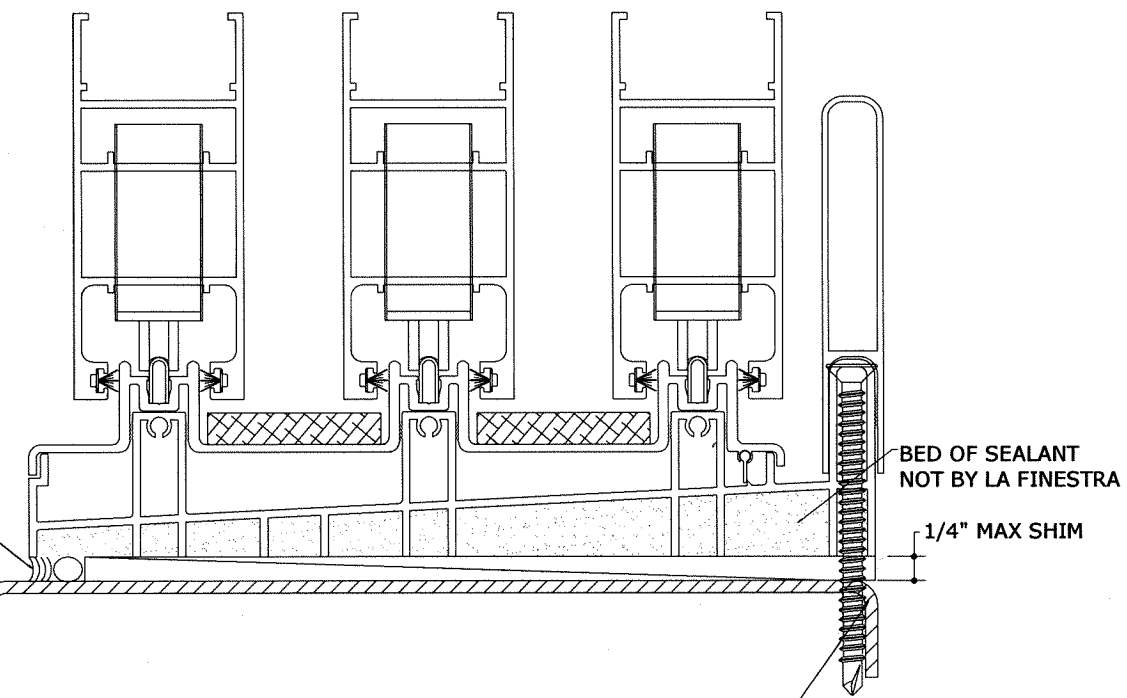
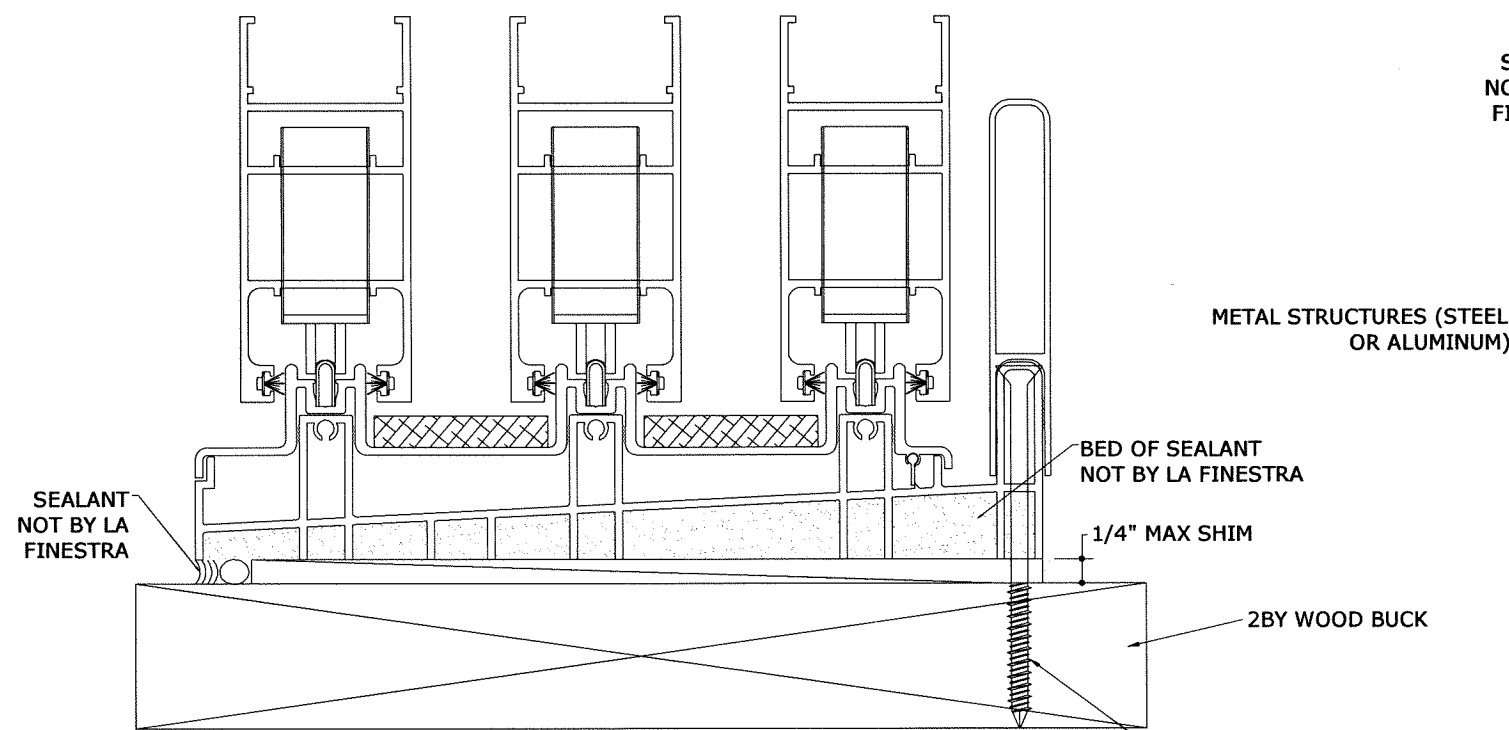
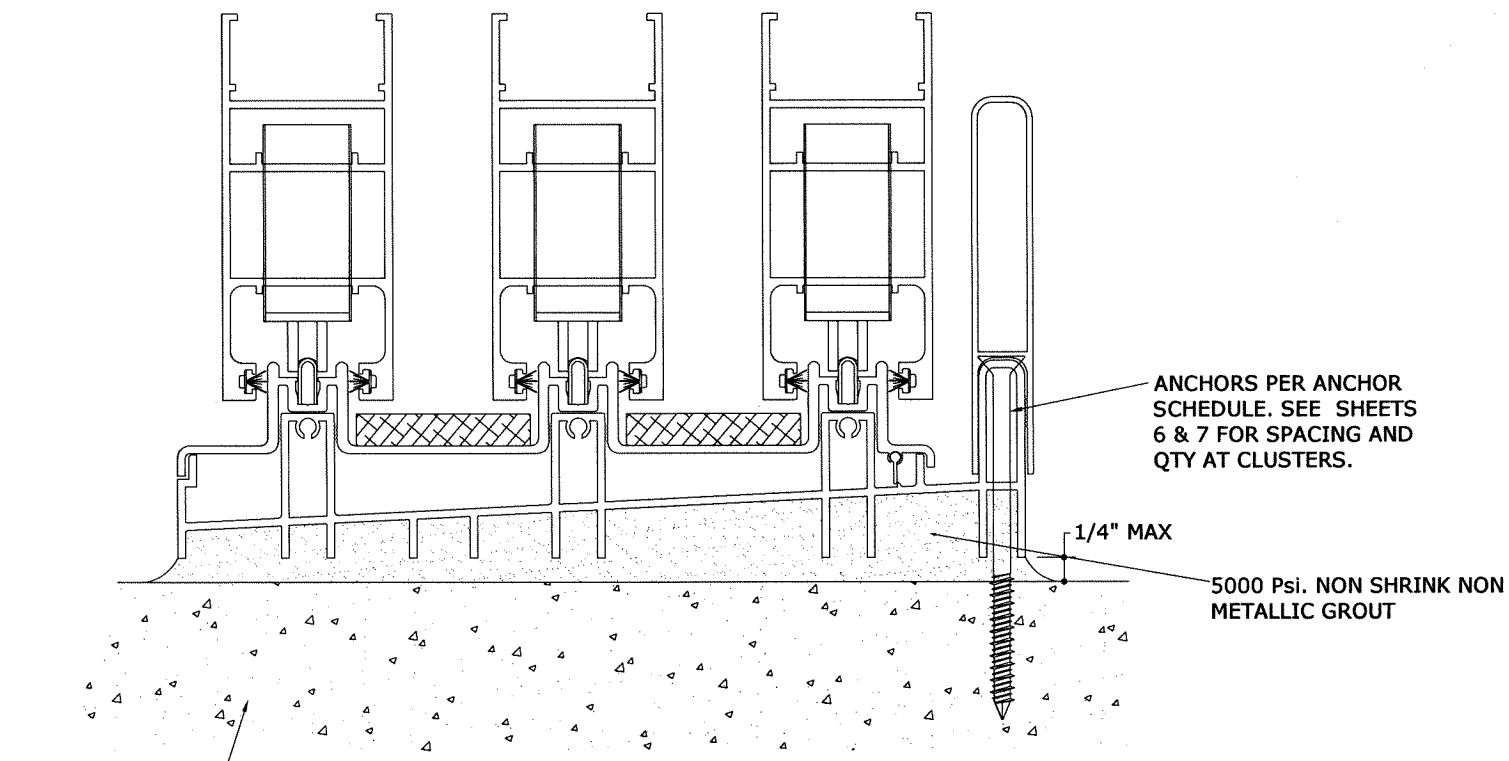
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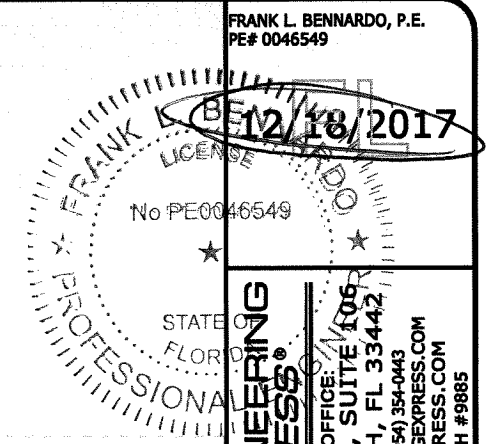
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# 3 TRACK ANCHORING



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NOTE:  
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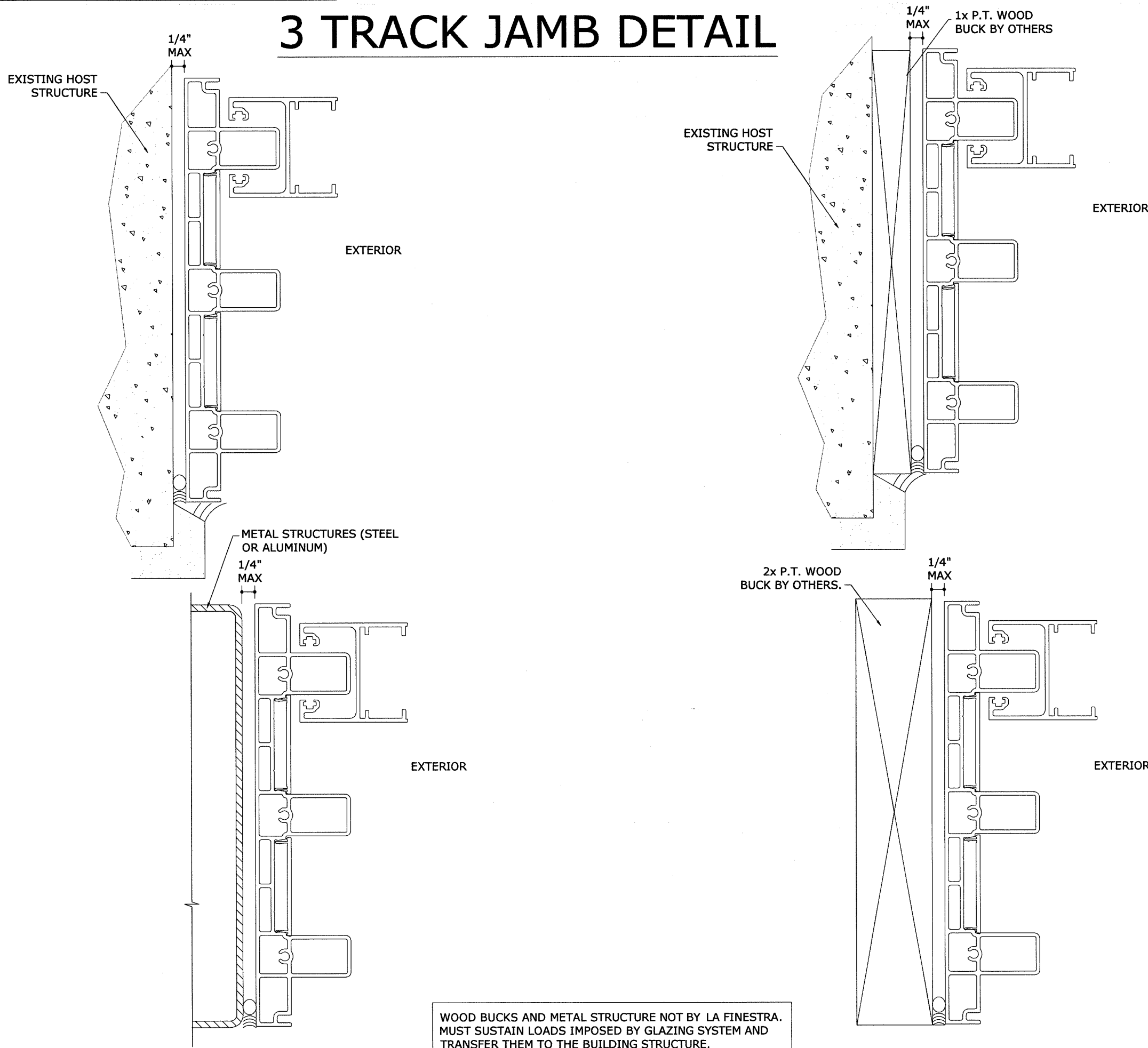
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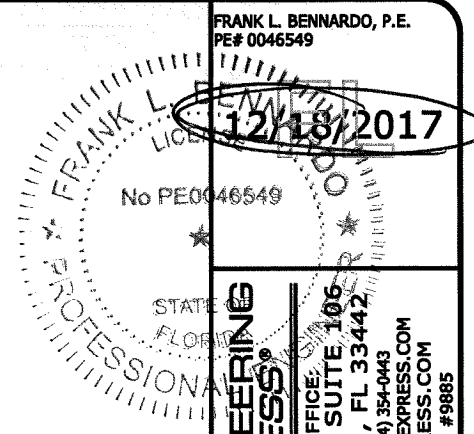
# 3 TRACK JAMB DETAIL



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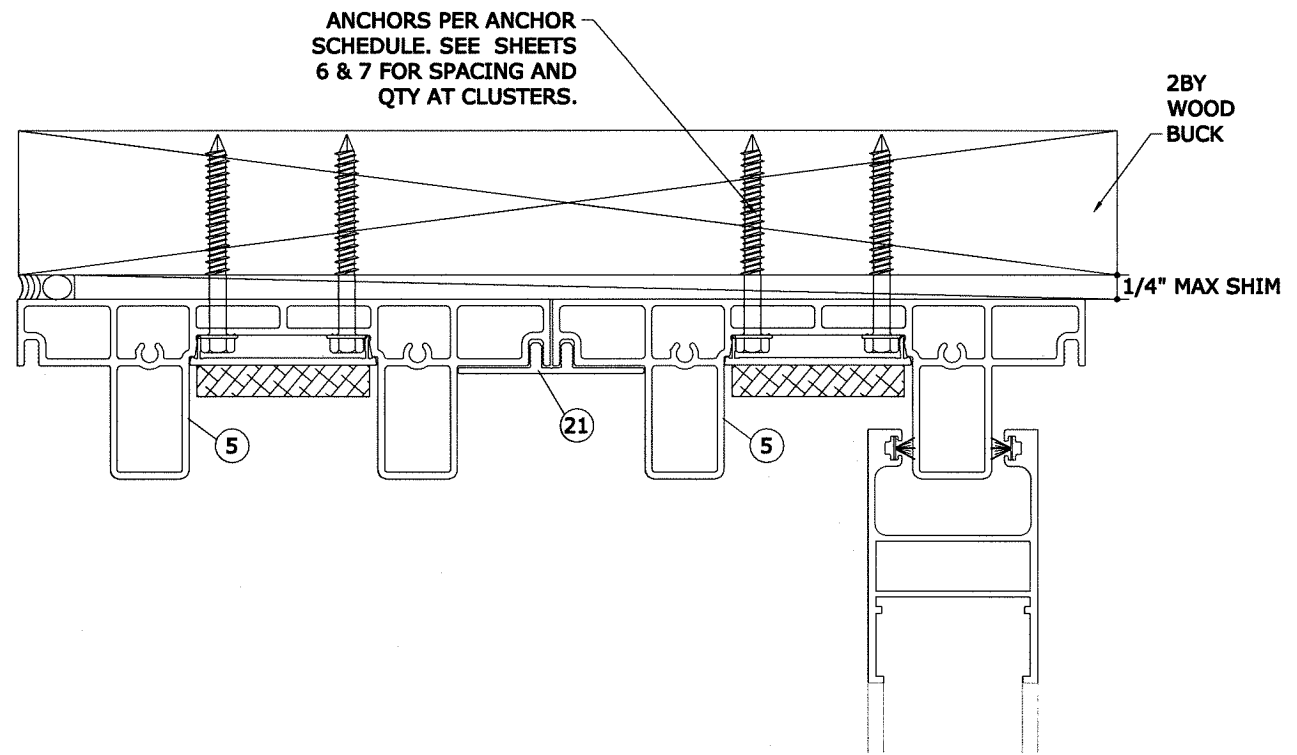
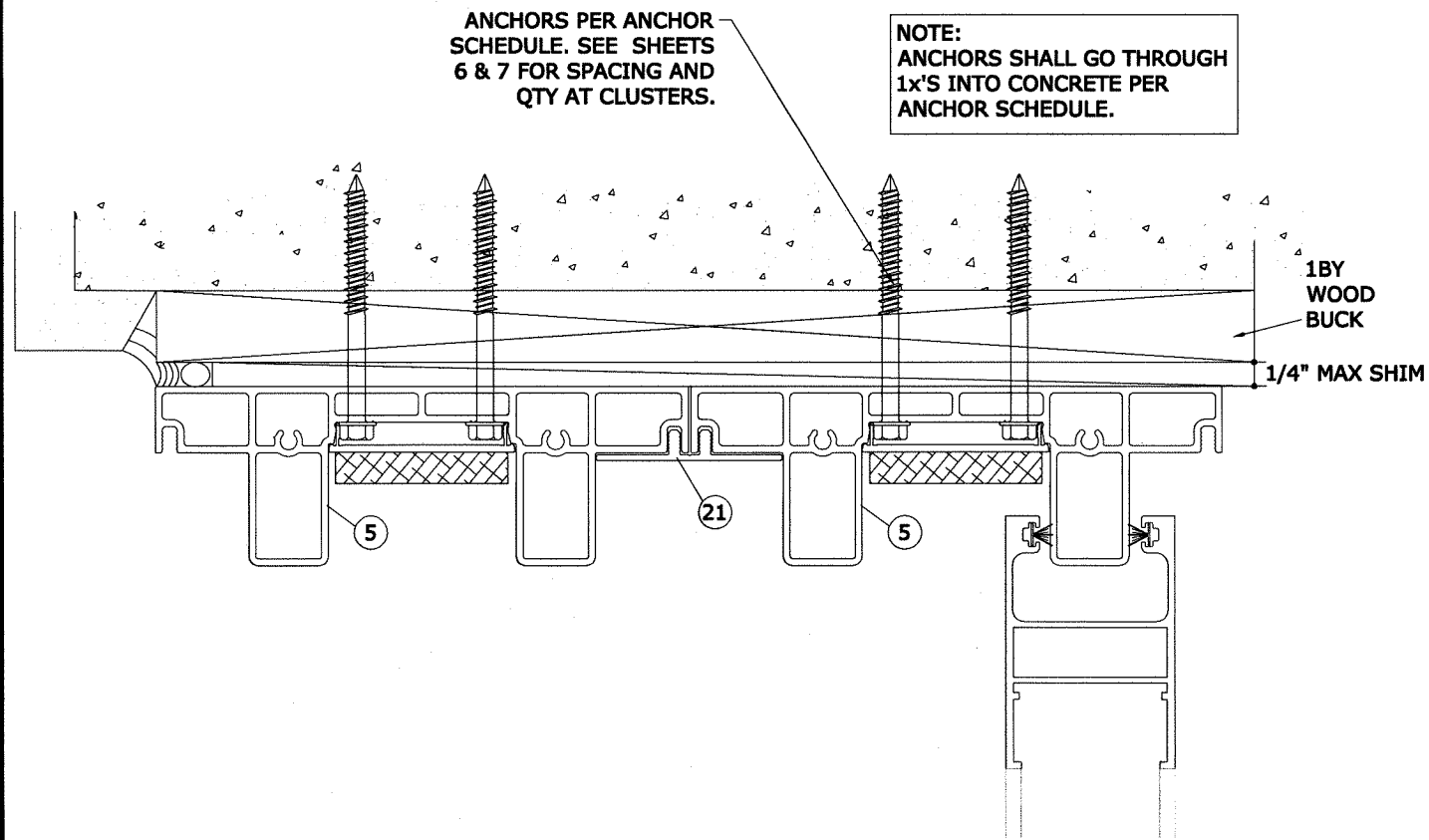
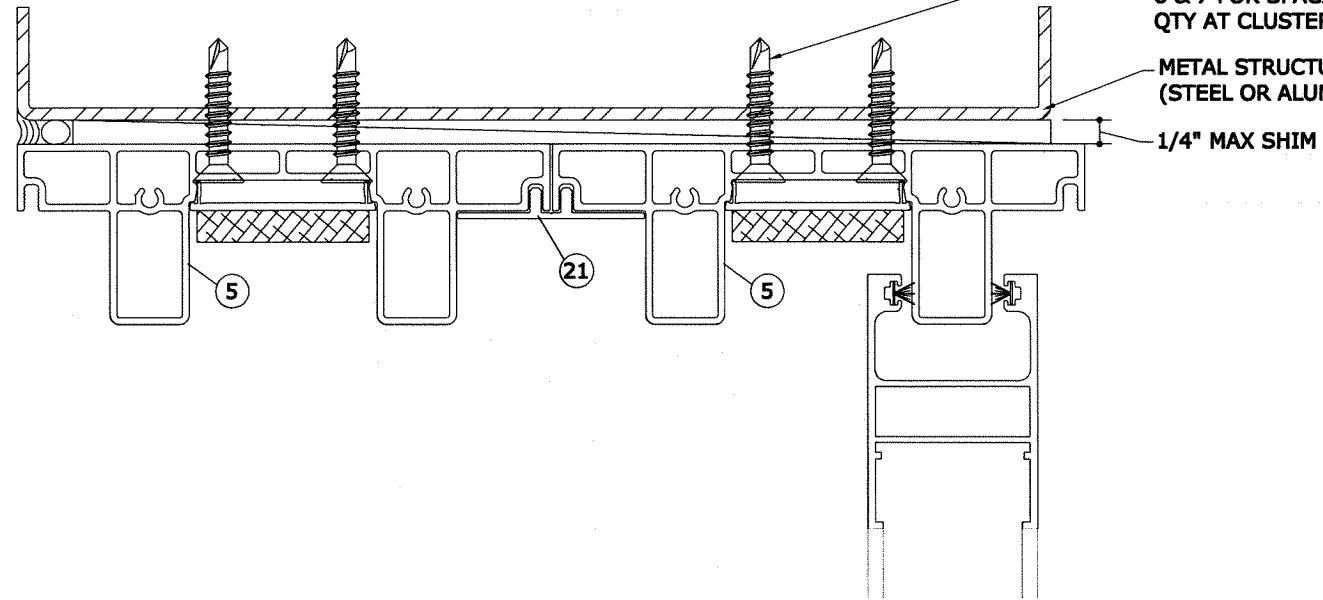
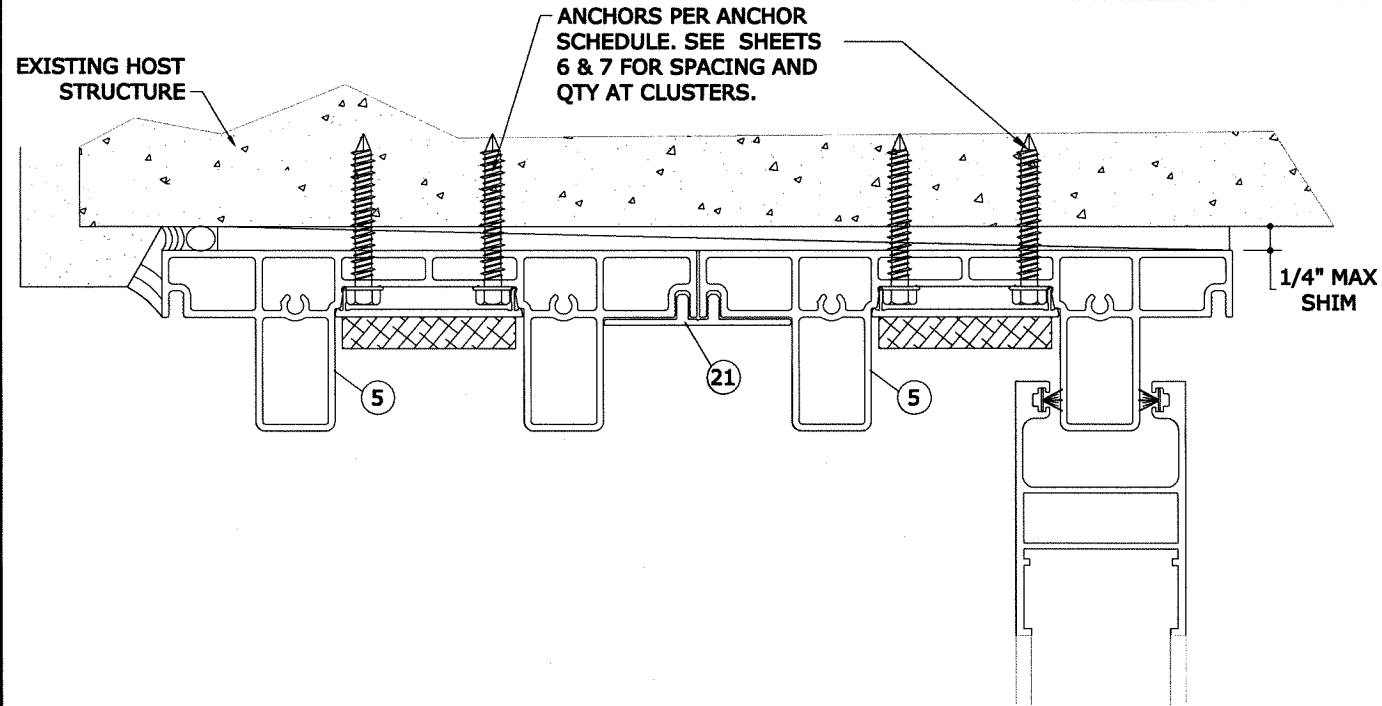
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# 4 TRACK ANCHORING



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12/18/2017  
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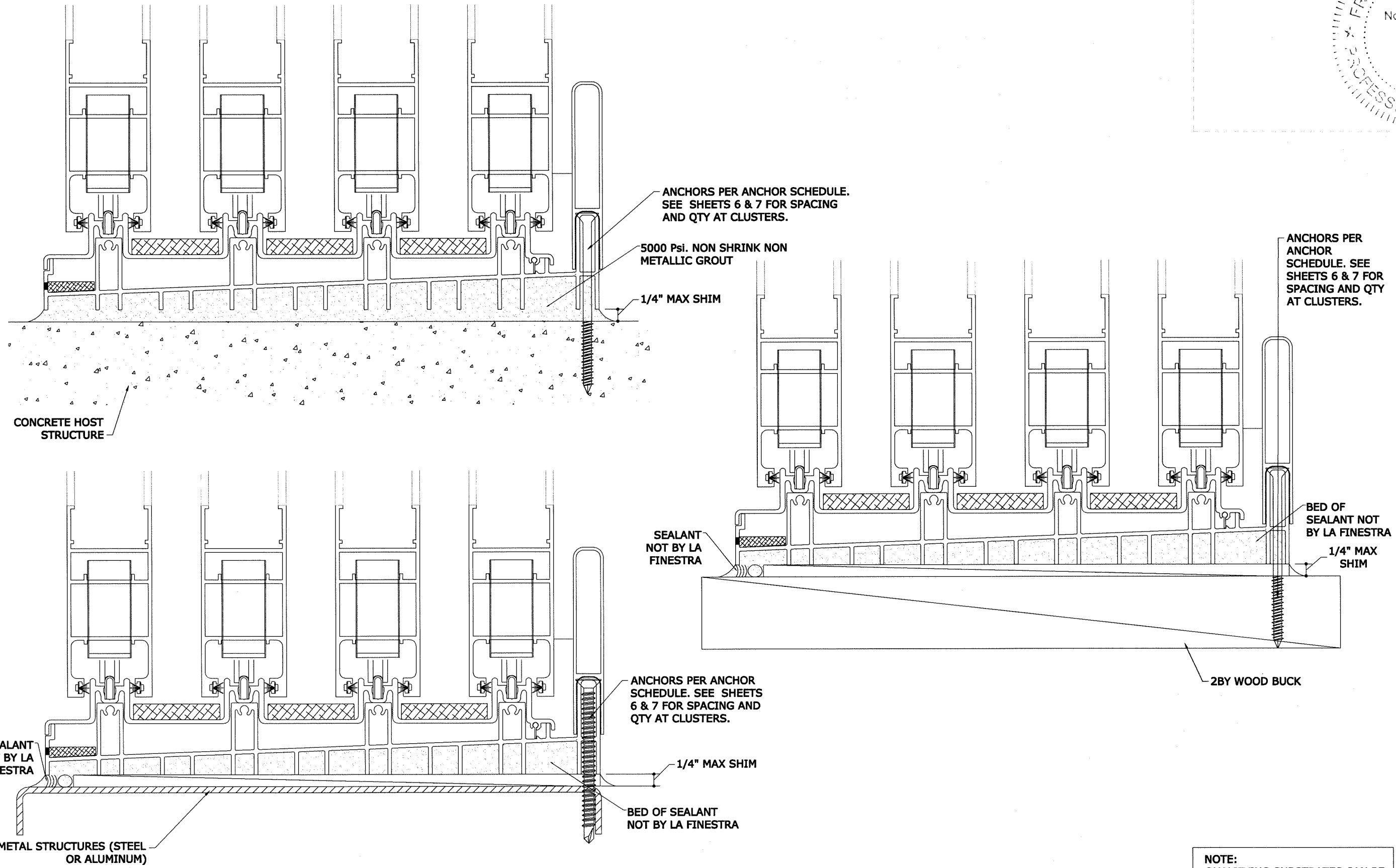
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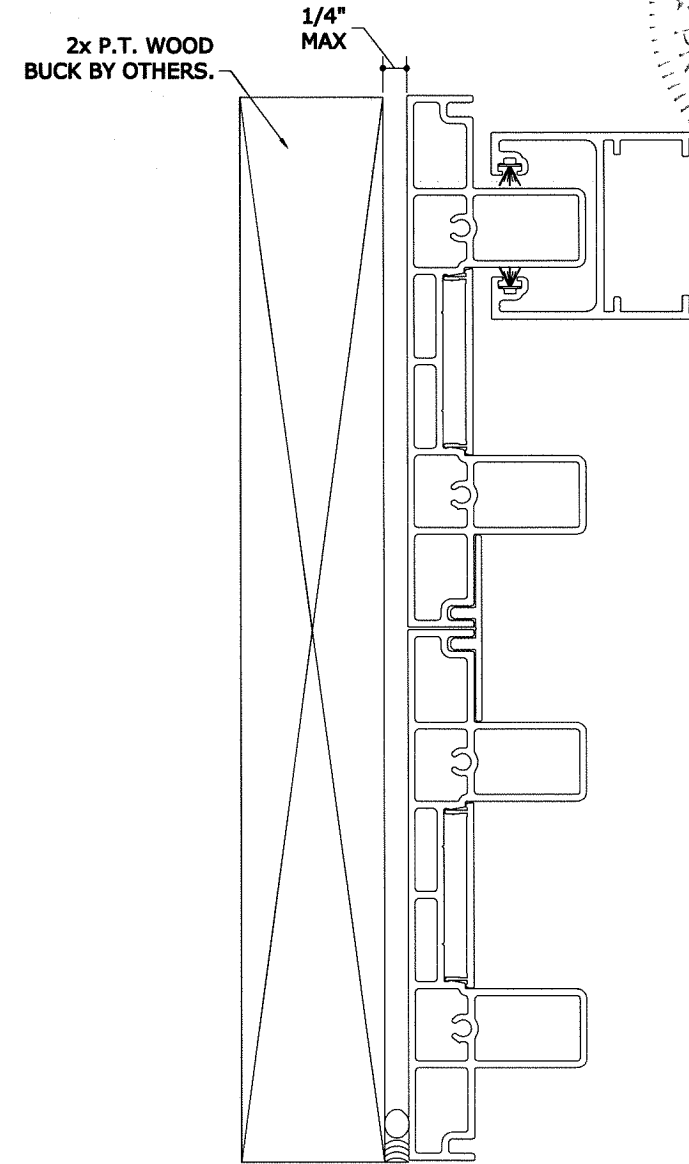
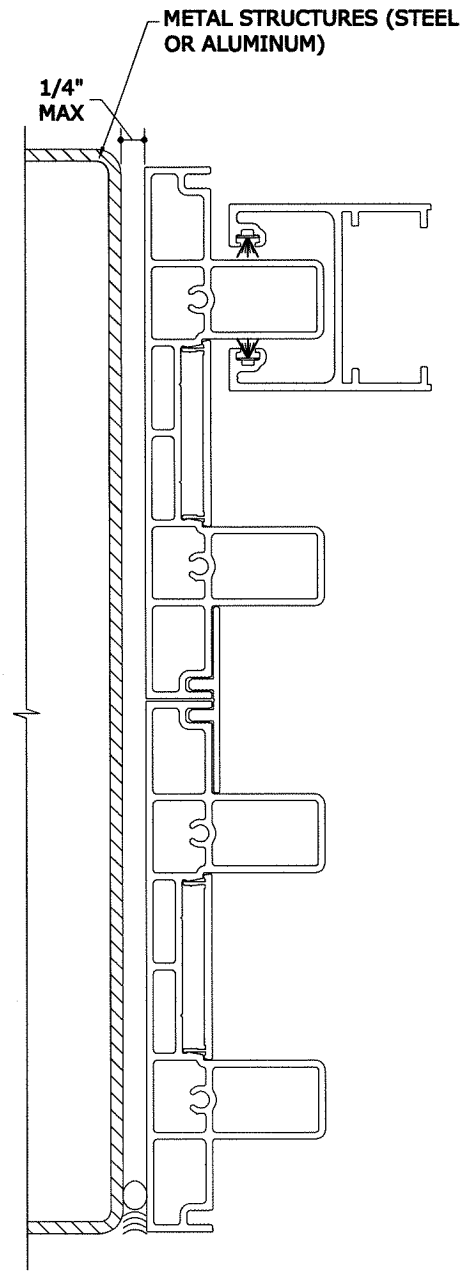
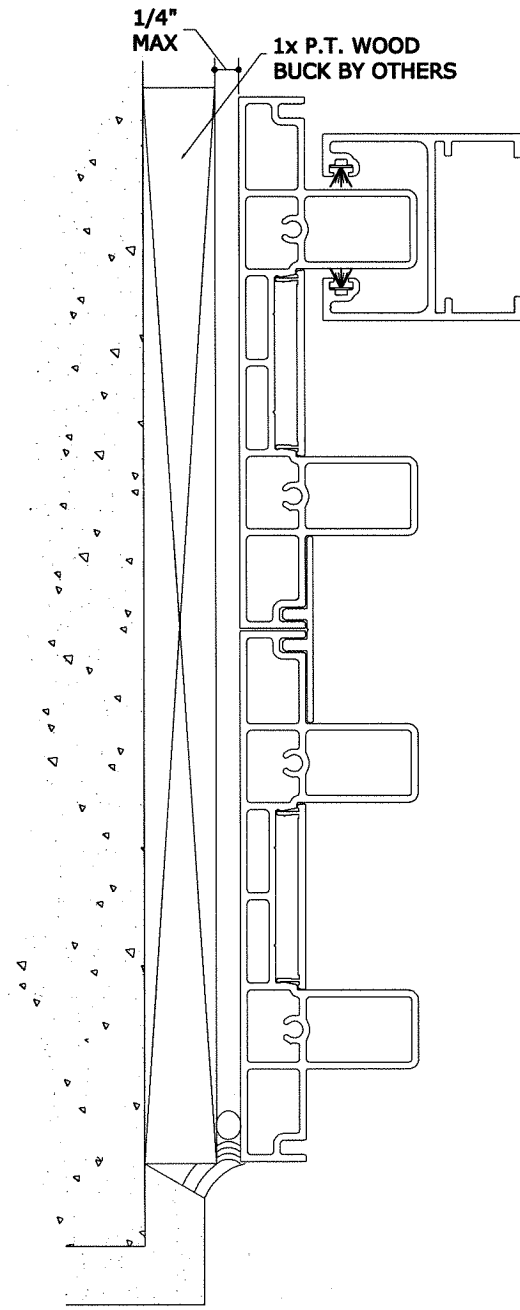
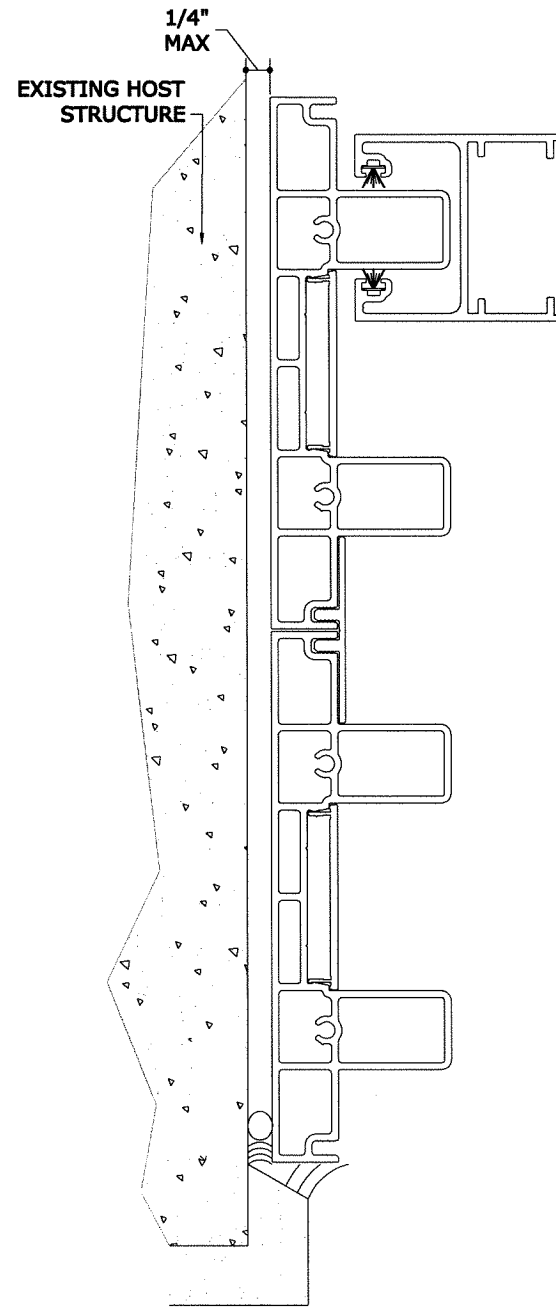
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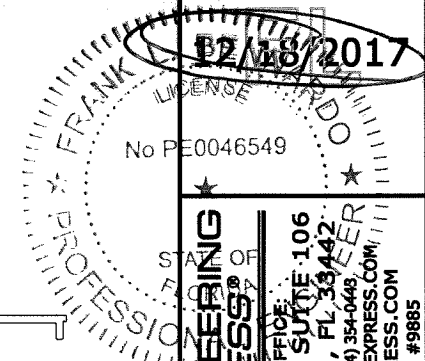
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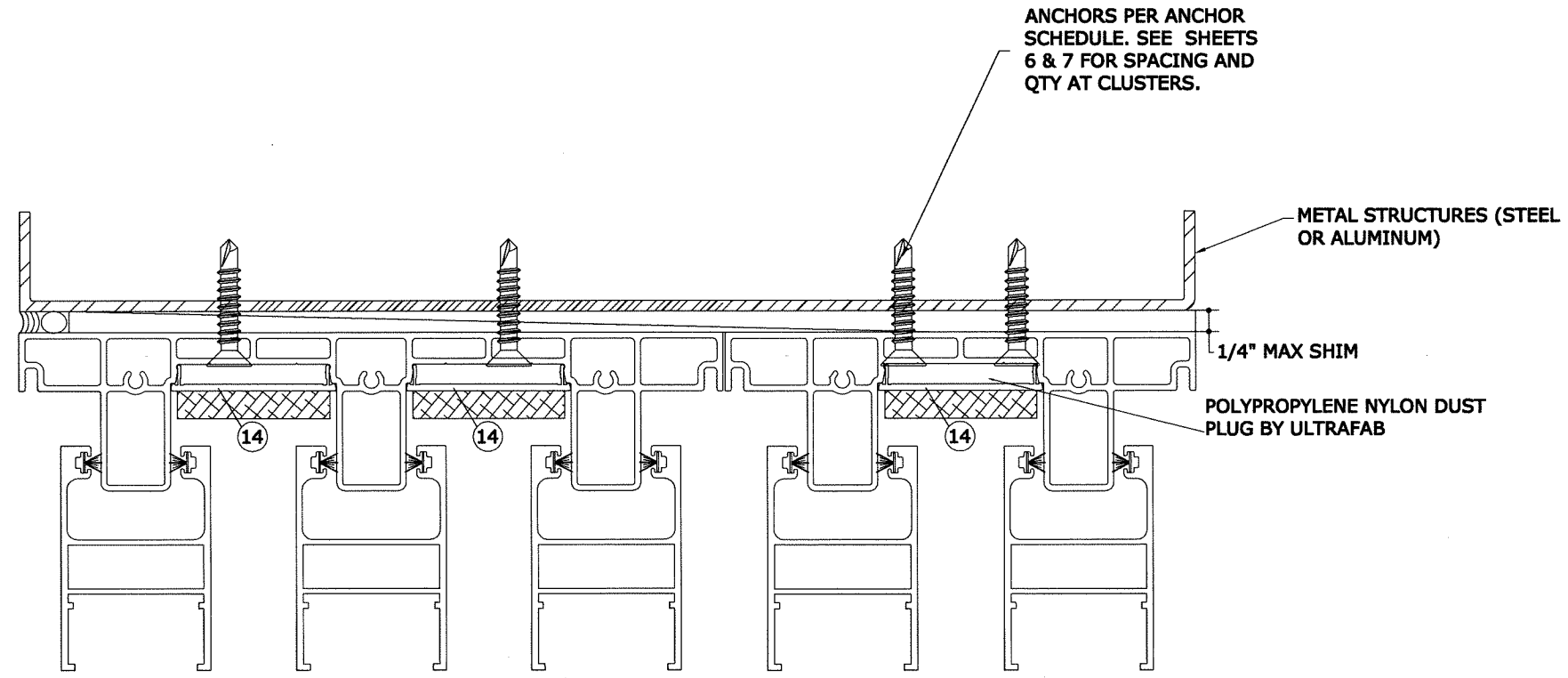
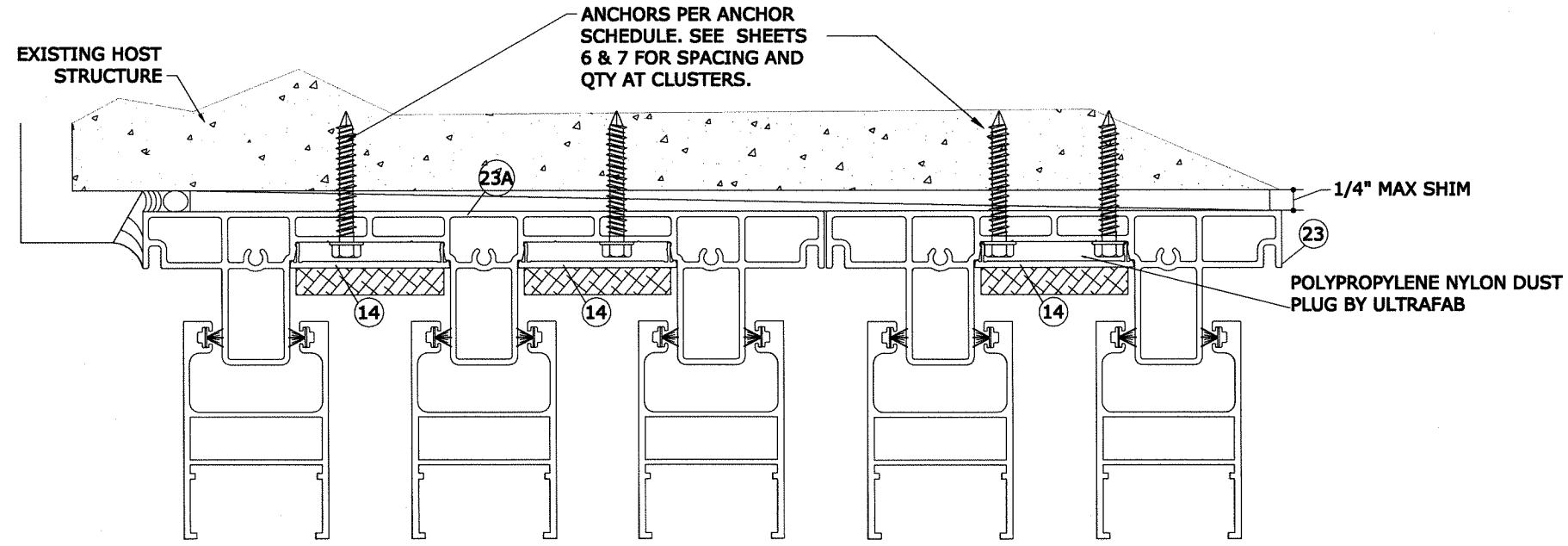
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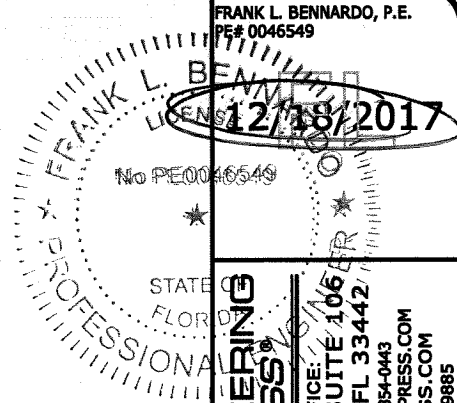
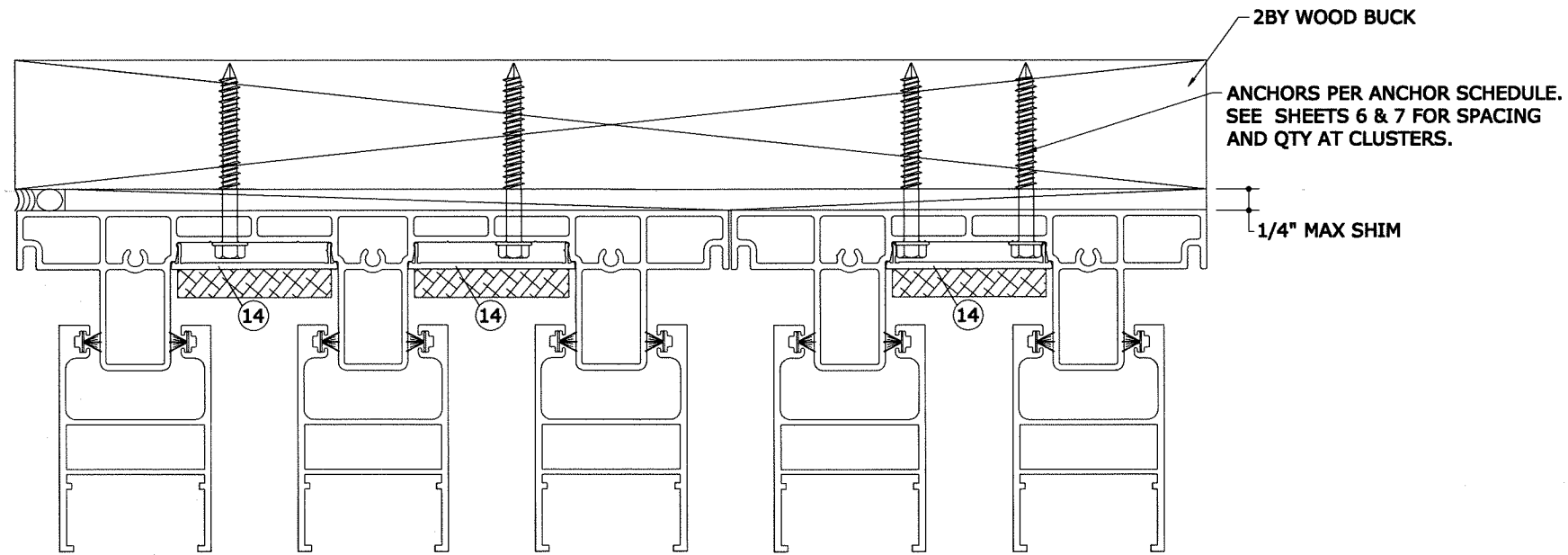
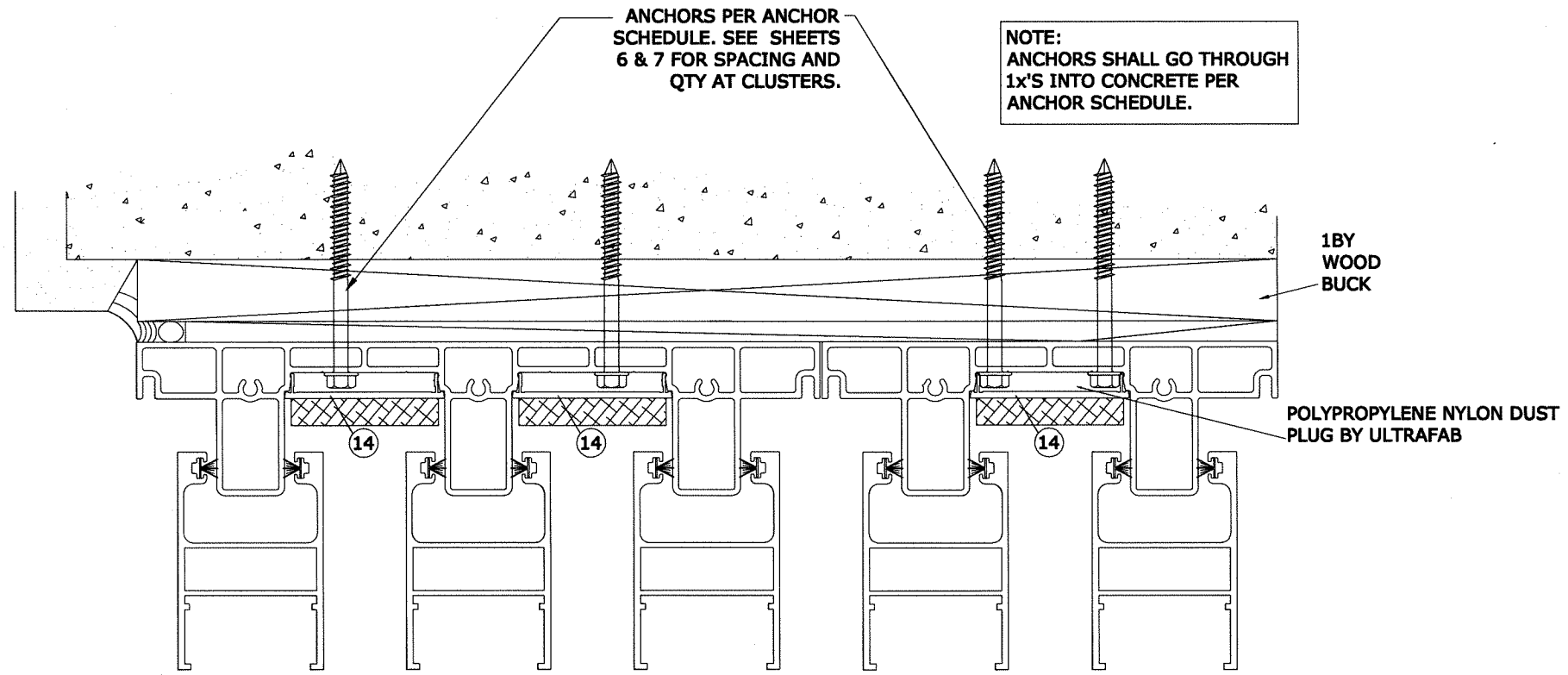
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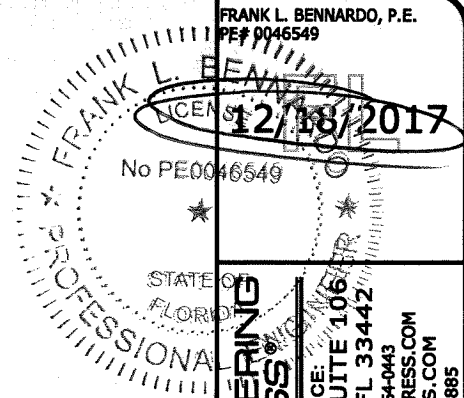
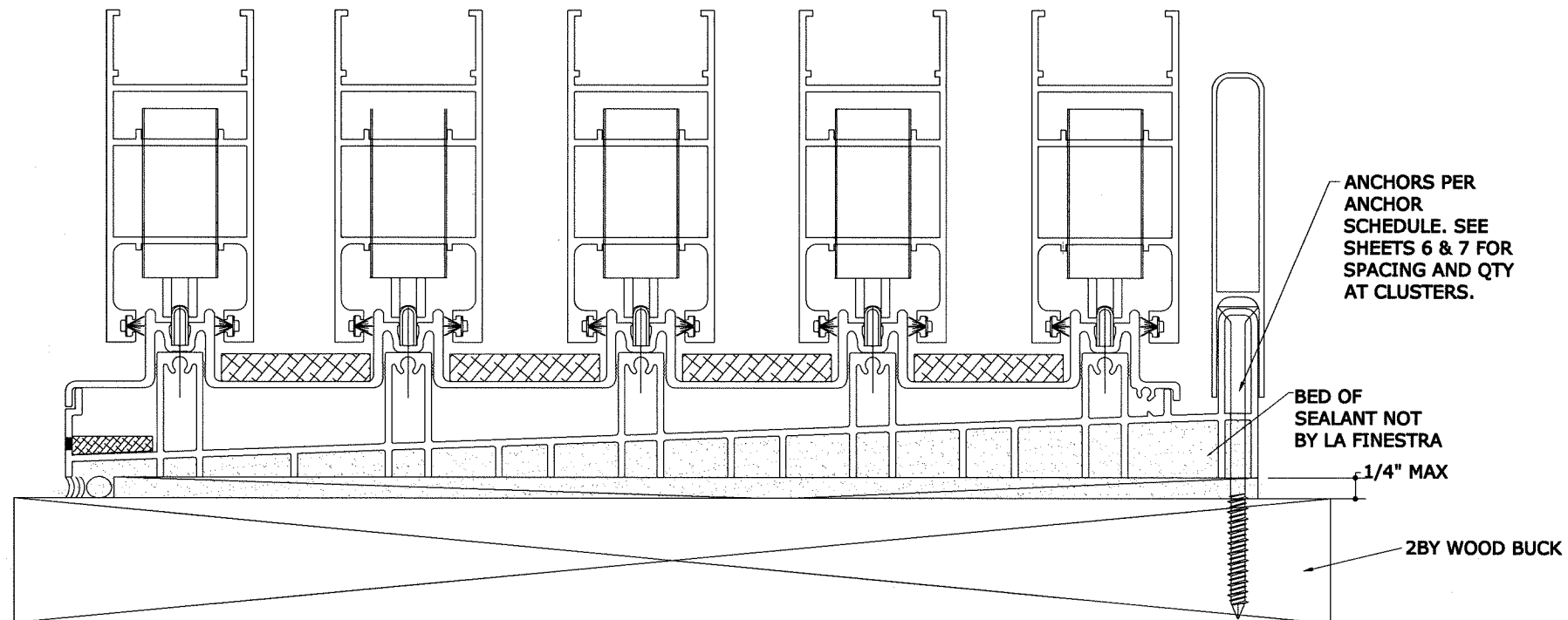
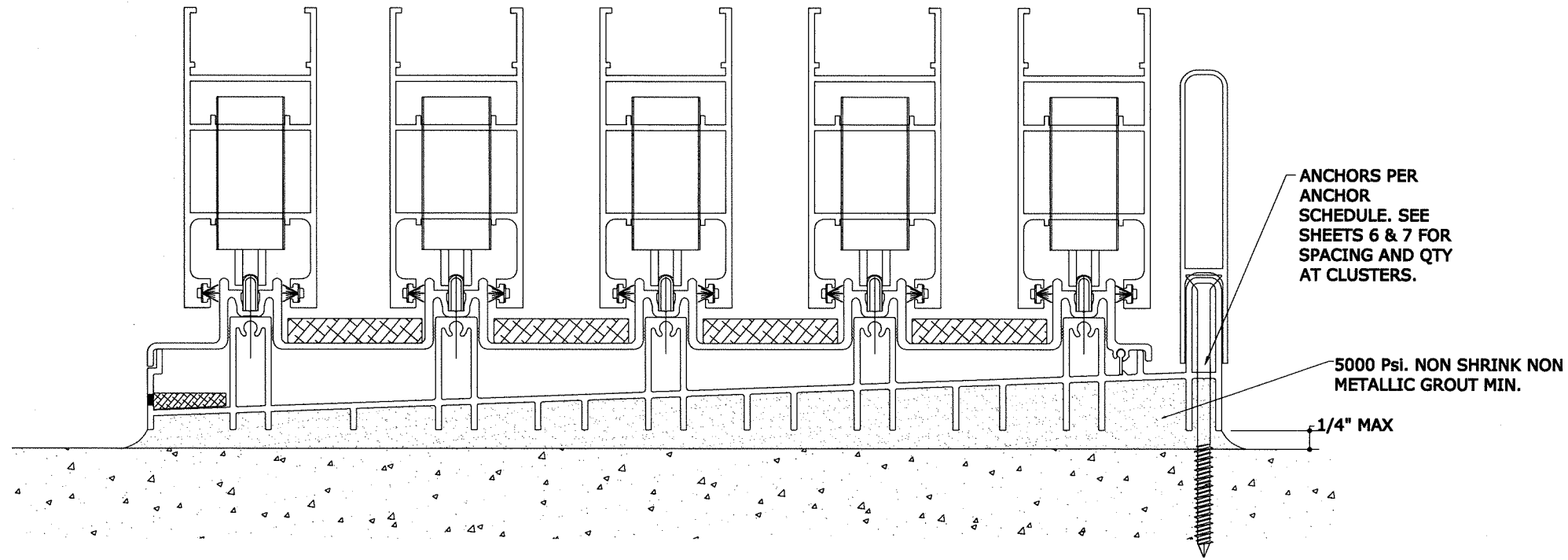
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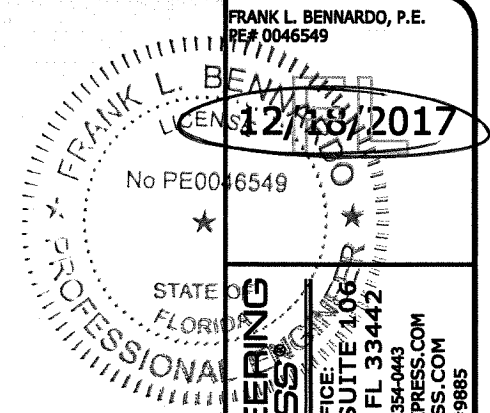
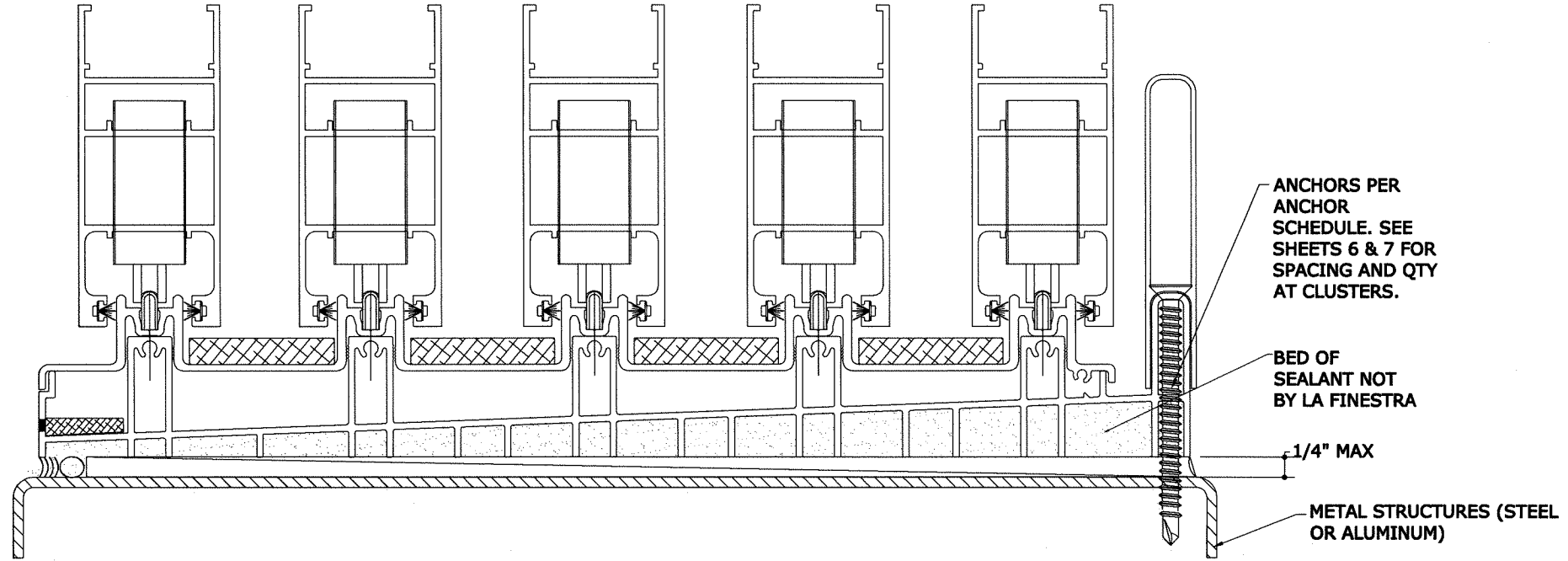
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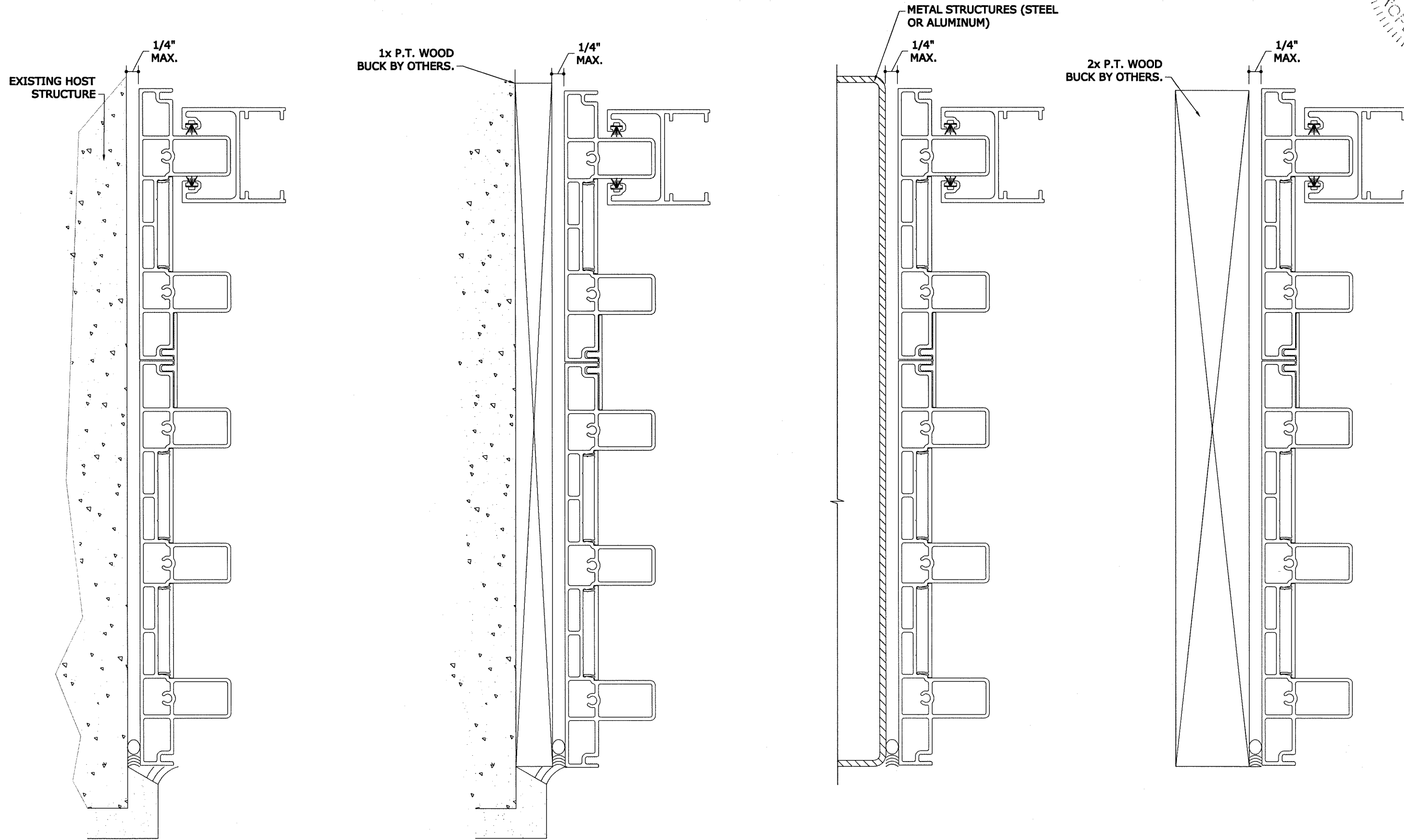
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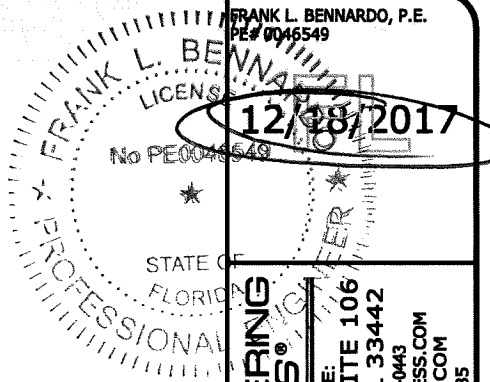
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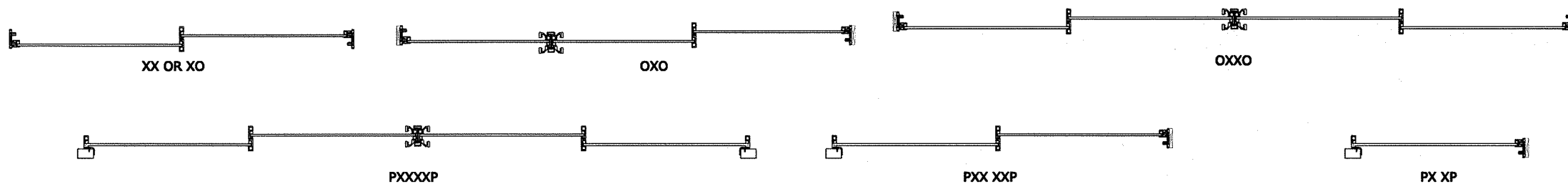
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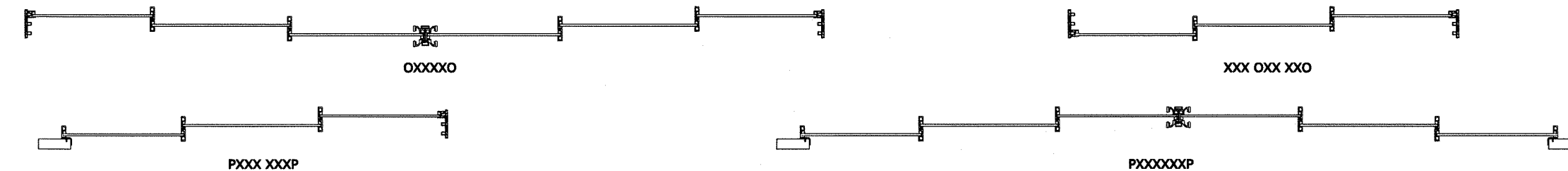


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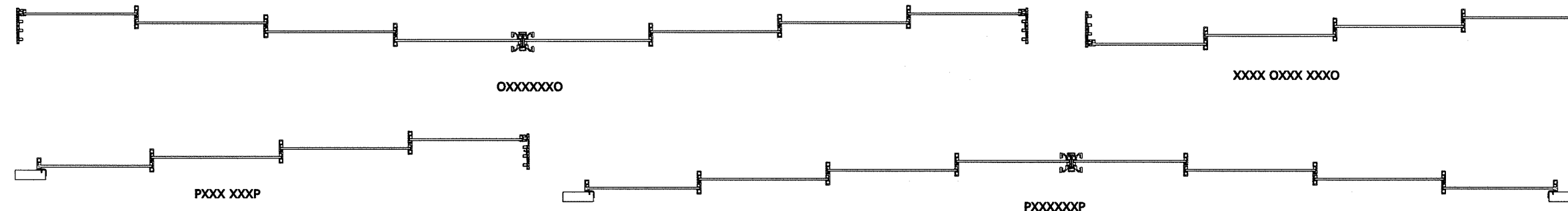
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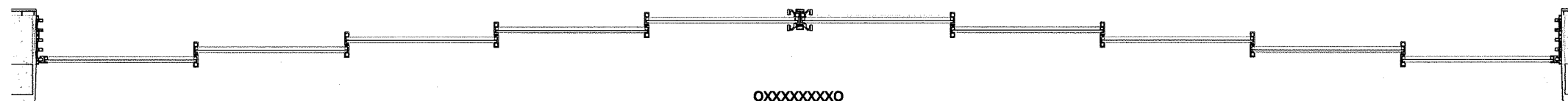
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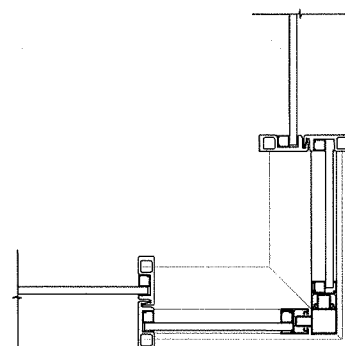
## 4 TRACK CONFIGURATIONS



## 5 TRACK CONFIGURATIONS

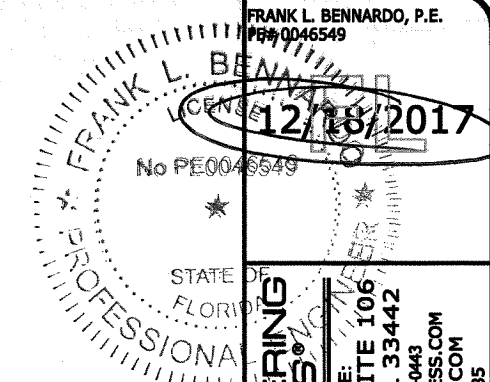


## CORNER CONFIGURATION



NOTE: OTHER CUSTOM CONFIGURATIONS WITH UNLIMITED DOORS ALLOWED UNDER SITE SPECIFIC CONDITIONS.

"X" = MOVABLE PANEL  
 "O" = FIXED PANEL  
 "P" = POCKET PANEL



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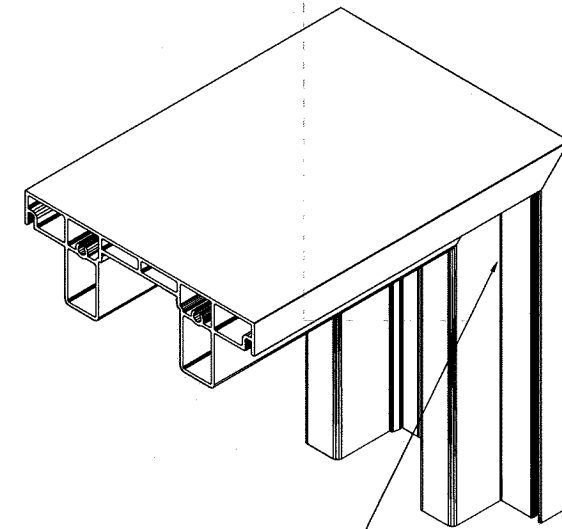
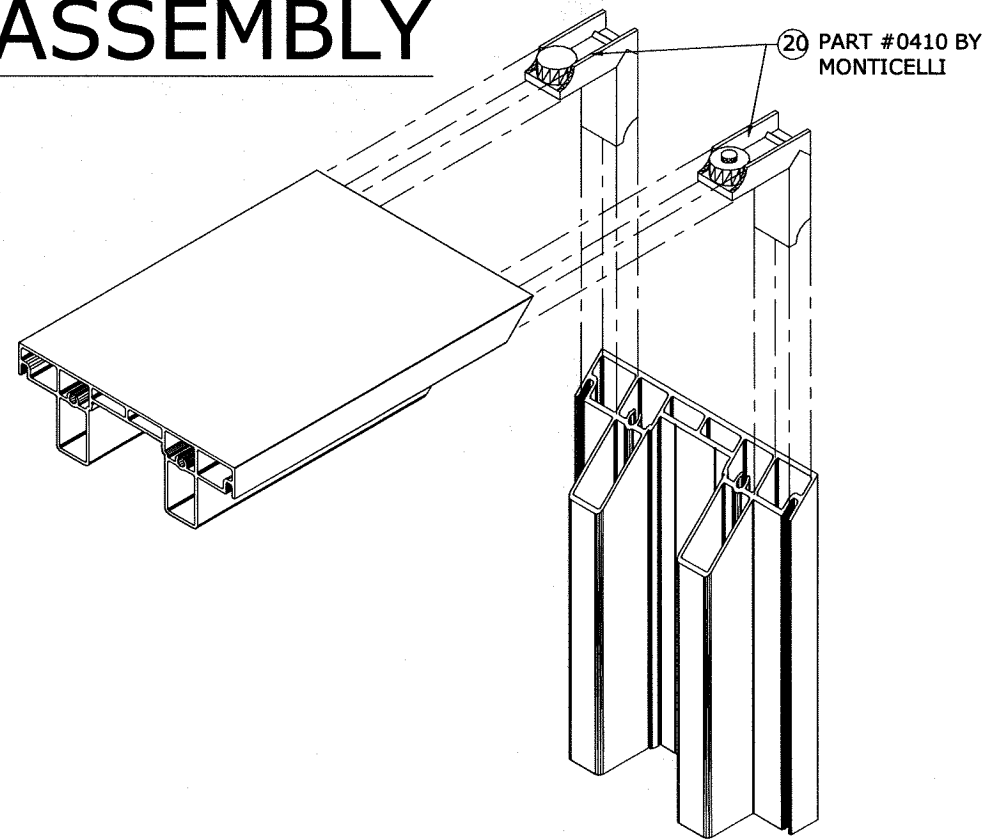
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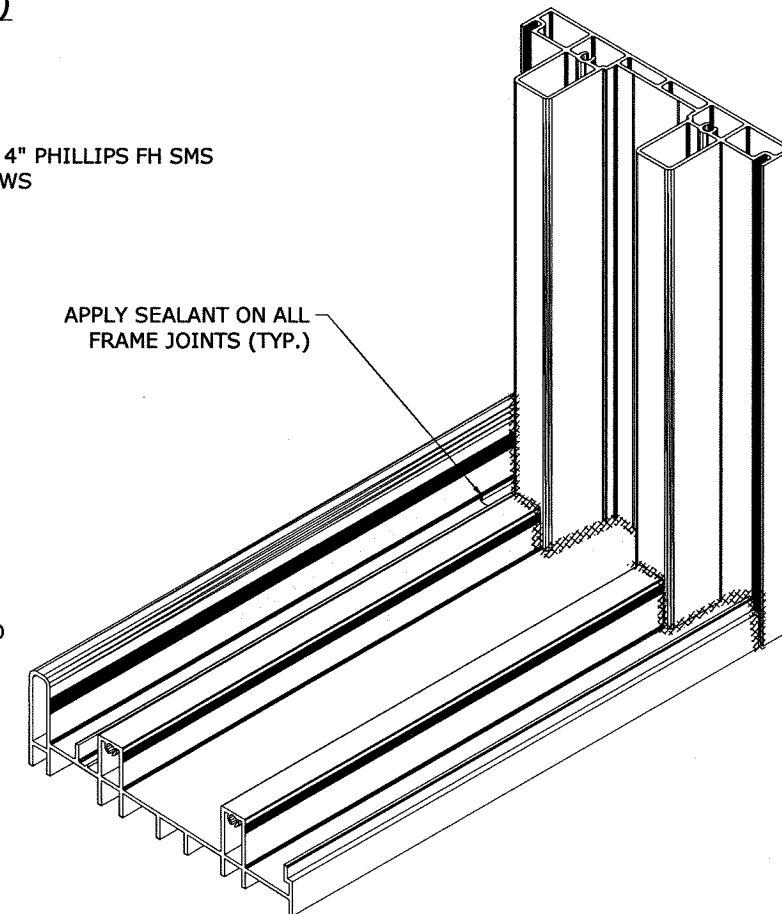
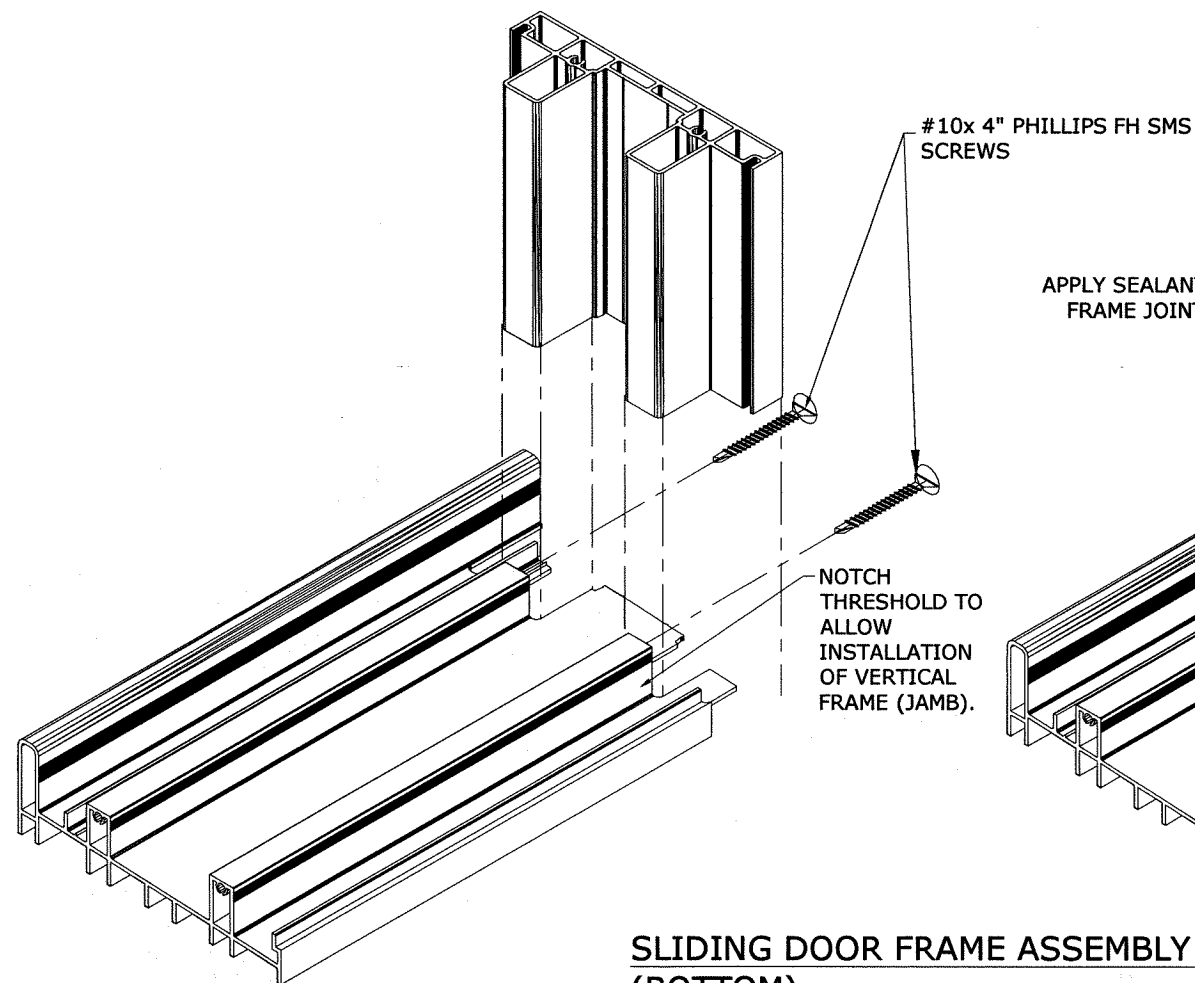
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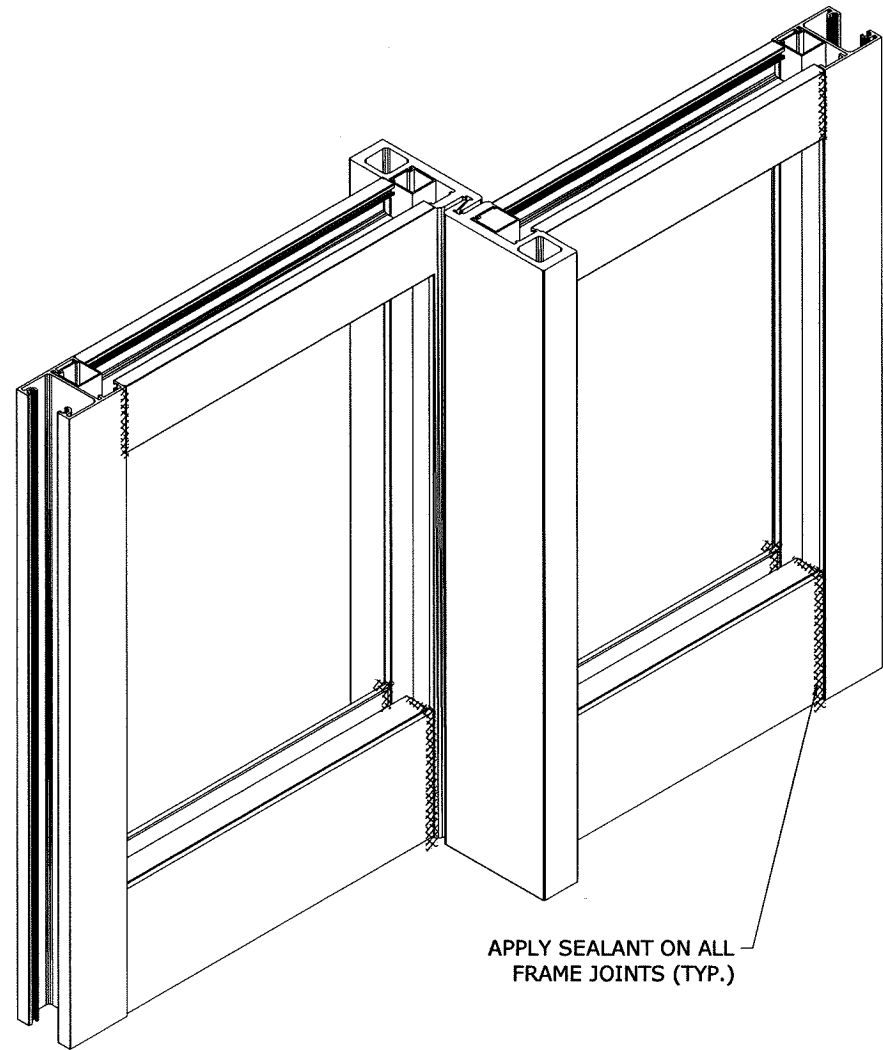
# FRAME ASSEMBLY



**SLIDING DOOR FRAME ASSEMBLY (TOP)**



**SLIDING DOOR FRAME ASSEMBLY (BOTTOM)**



APPLY SEALANT ON ALL FRAME JOINTS (TYP.)

**SLIDING DOOR PANEL ASSEMBLY (TYP.)**

**NOTE:**  
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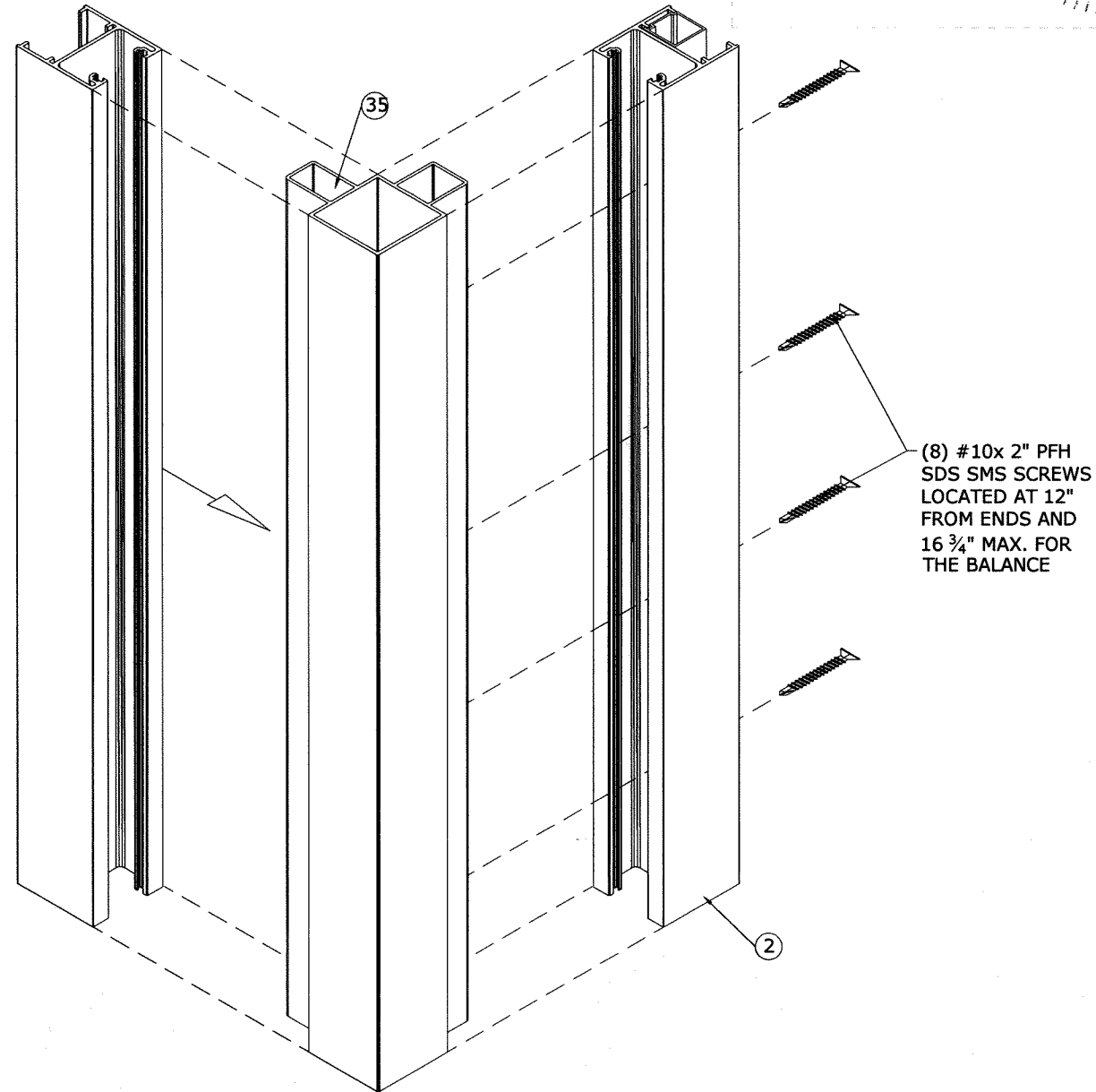
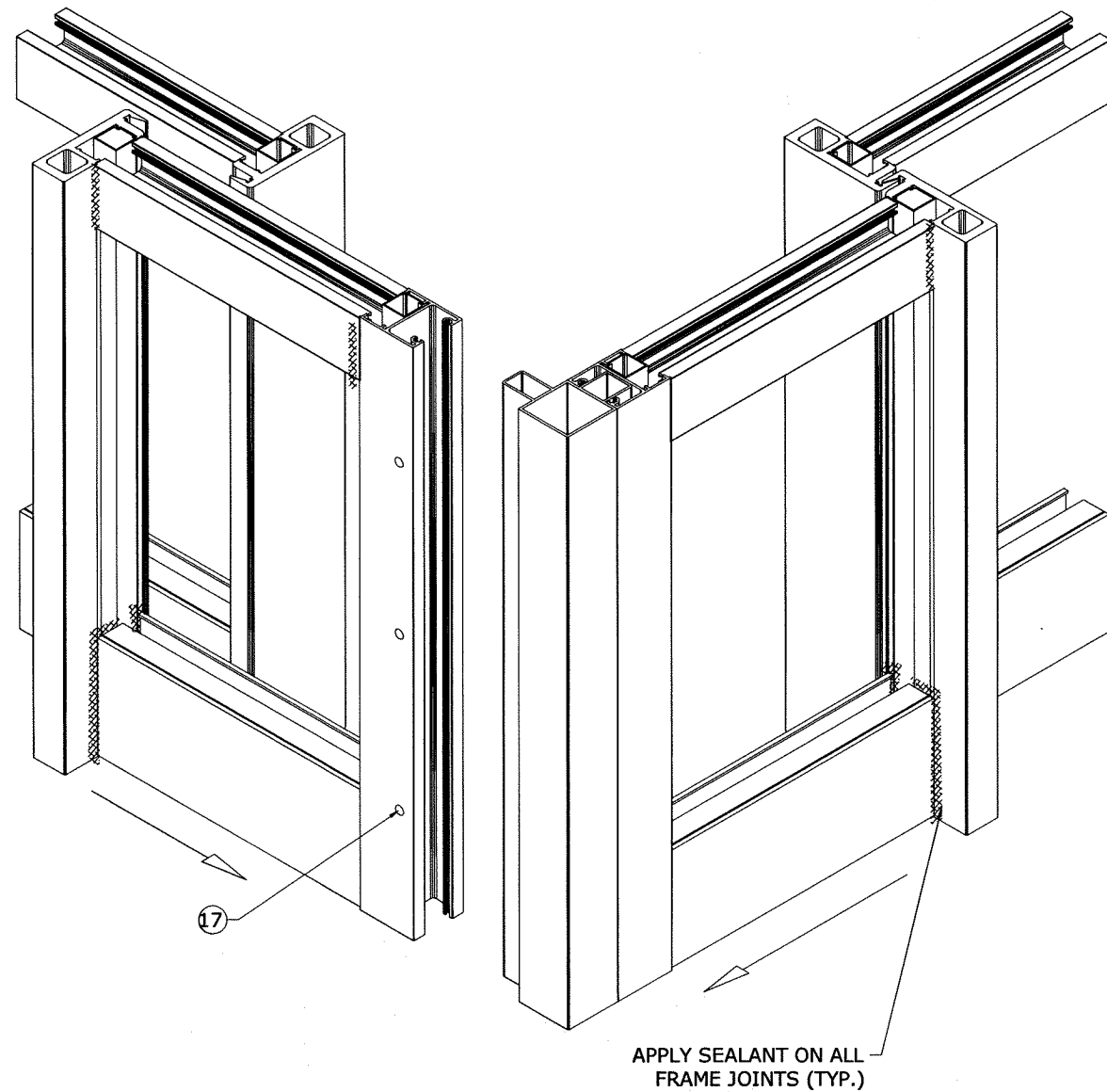
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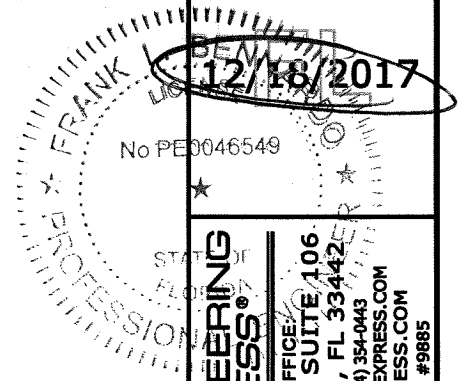
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# FRAME ASSEMBLY



SLIDING DOOR CORNER PANEL ASSEMBLY (TYP.)

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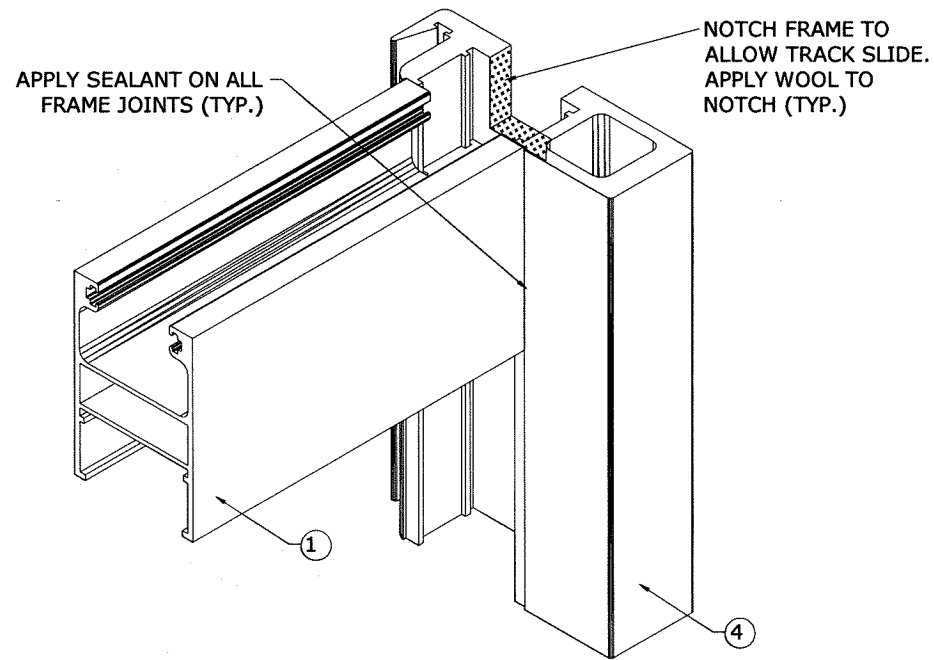
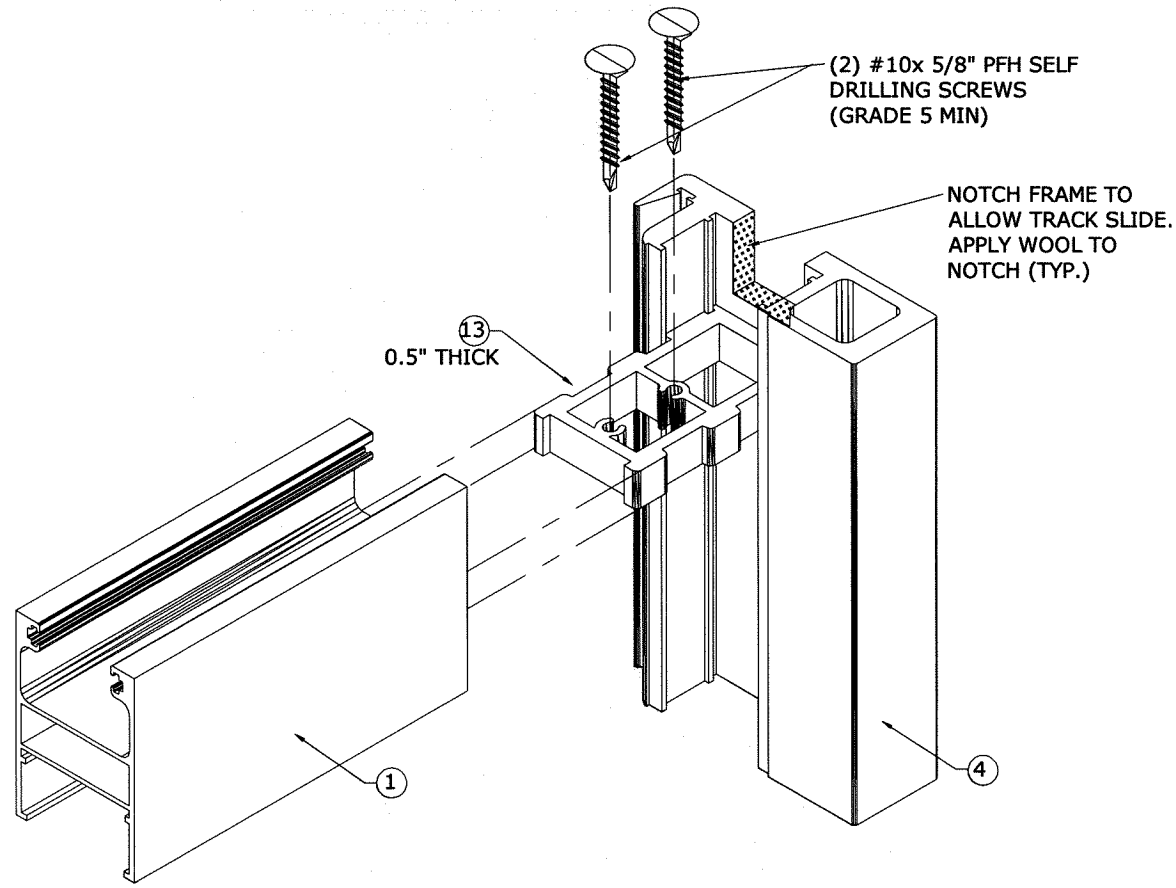
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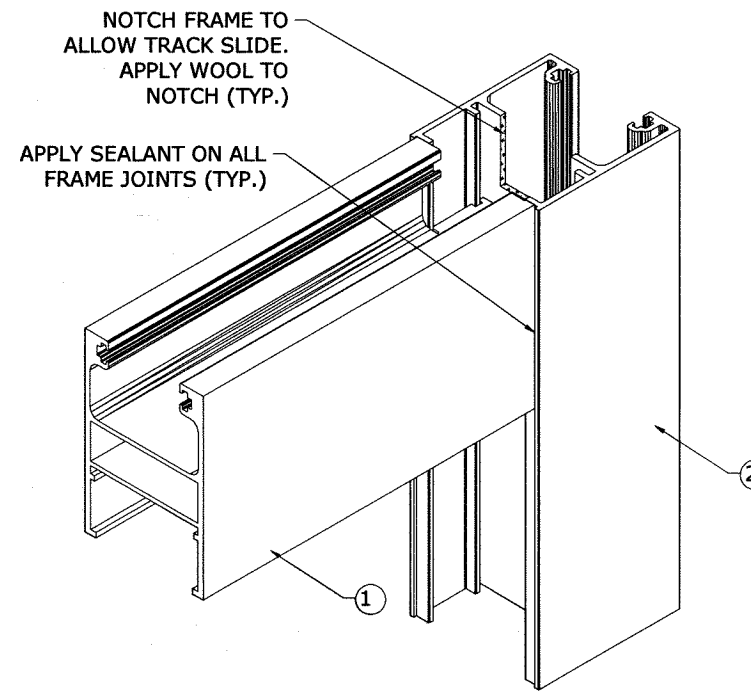
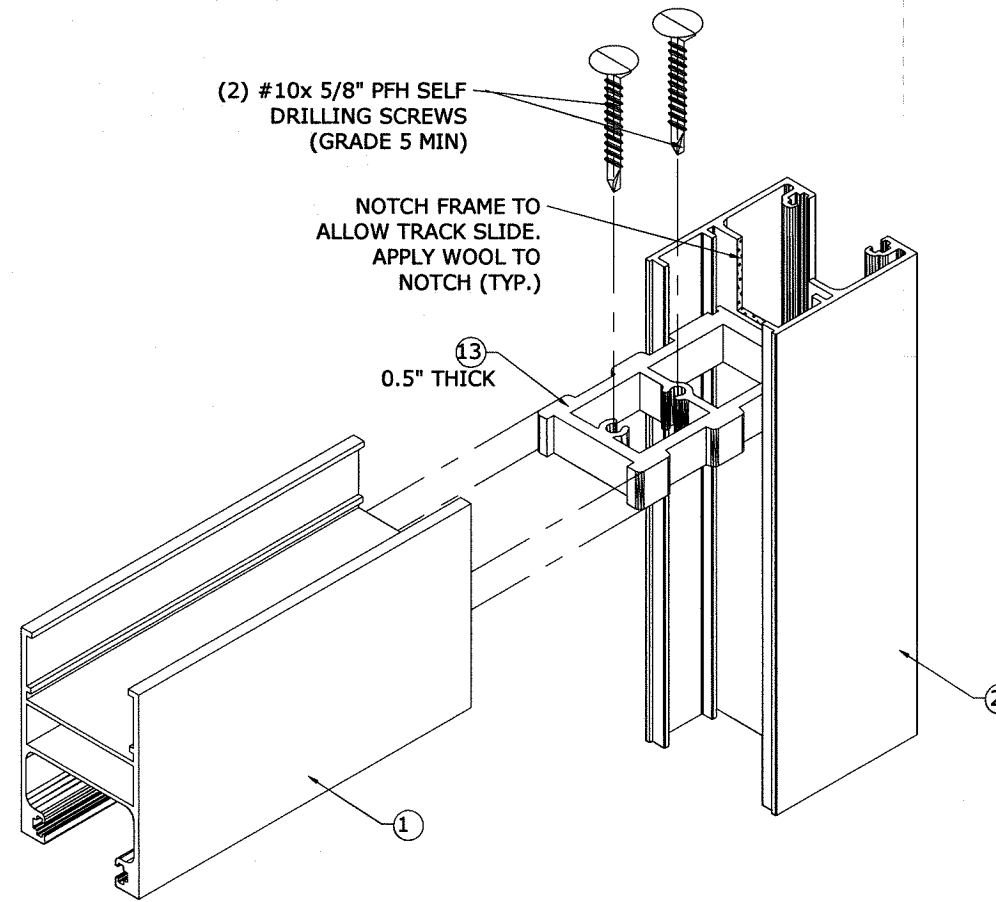
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SCALE: SEE DETAILS

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SLIDING DOOR PANEL ASSEMBLY AT INTERLOCKS (TOP)



SLIDING DOOR PANEL ASSEMBLY AT PANEL ENDS (TOP.)

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PE# 0046549  
12/18/2017  
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STATE OF FLORIDA  
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FLORIDA BUILDING CODE SIXTH EDITION (2017)

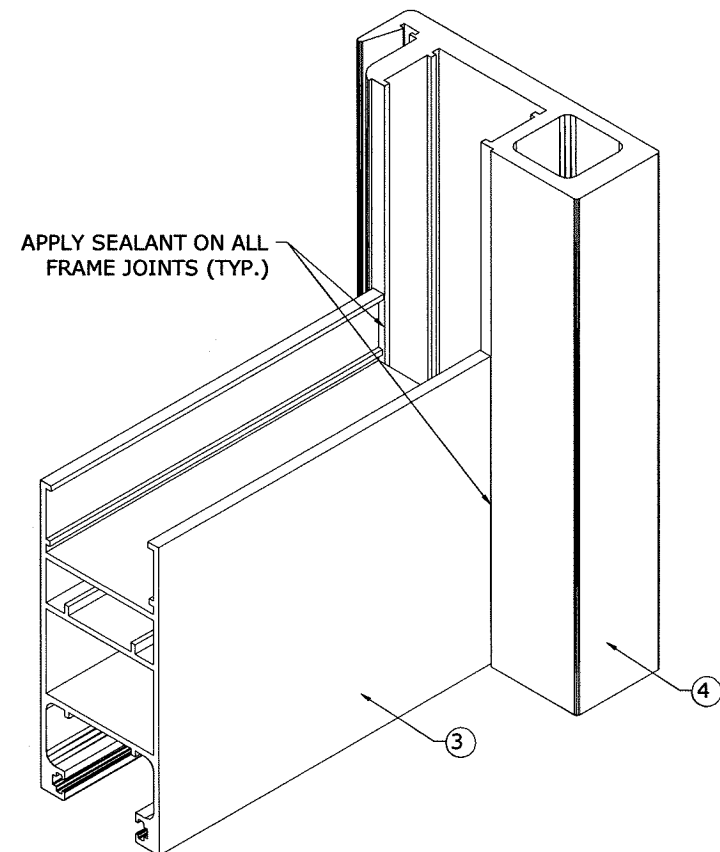
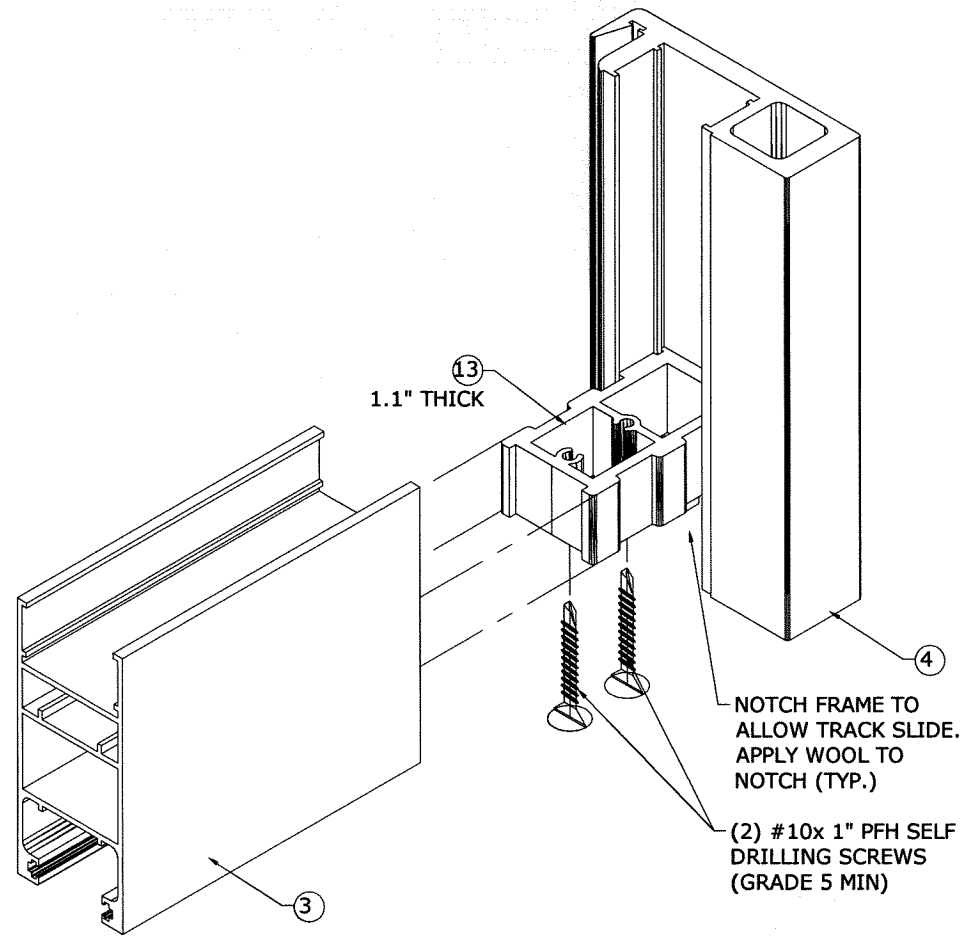
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REV 1 - 80" DOOR	JEM	FLB	02/16/17
REV 2 - 2017 FBC UPDATE	JEM	FLB	12/19/17

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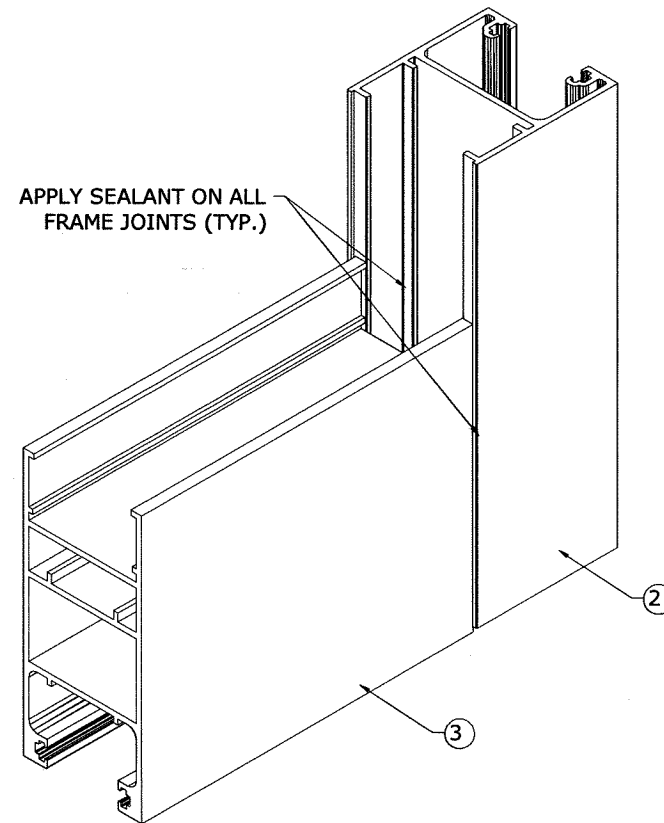
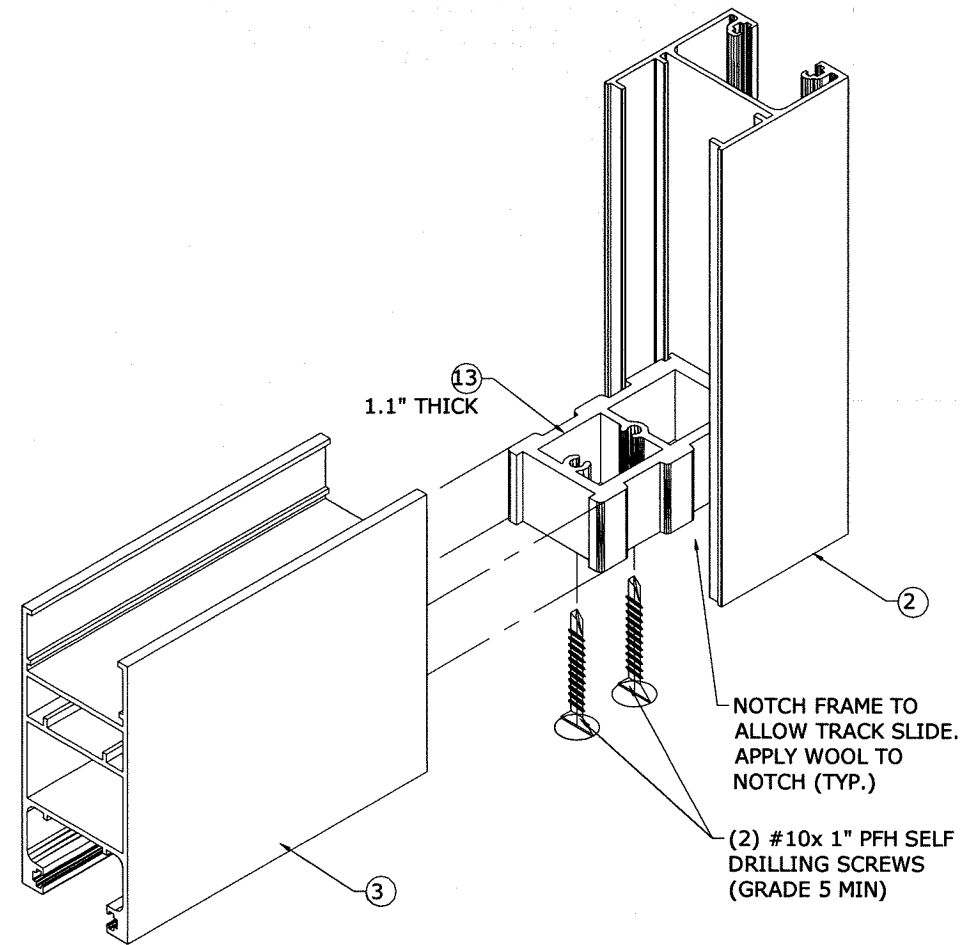
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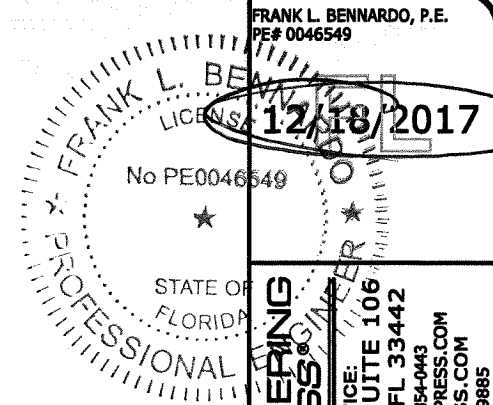
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SLIDING DOOR PANEL ASSEMBLY AT INTERLOCKS (BOTTOM)



SLIDING DOOR PANEL ASSEMBLY AT PANEL ENDS (BOTTOM)



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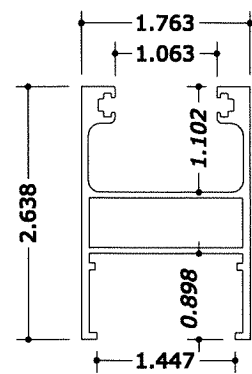
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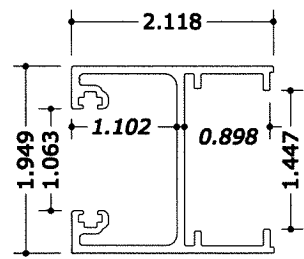
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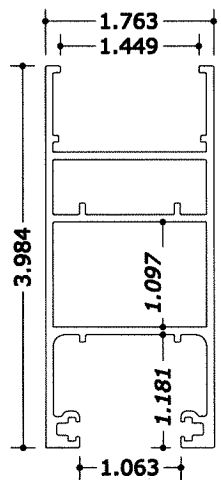
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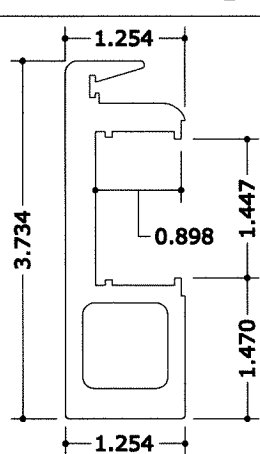
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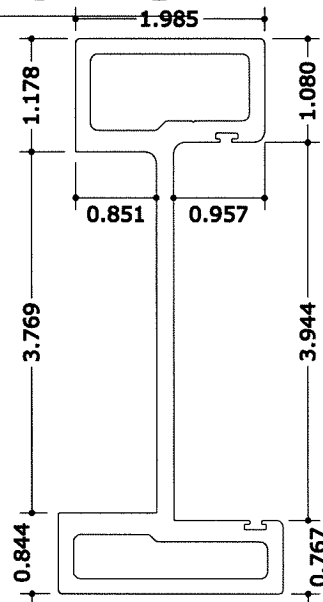
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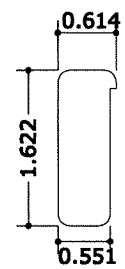
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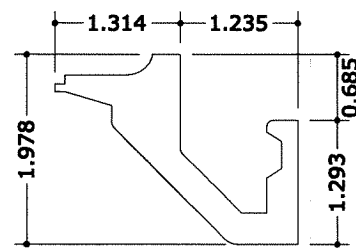
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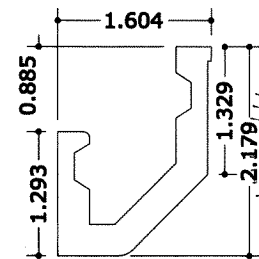
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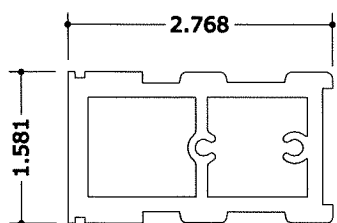
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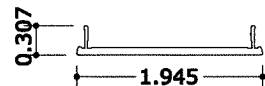
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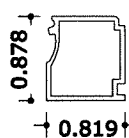
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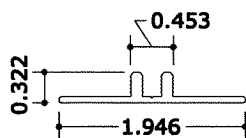
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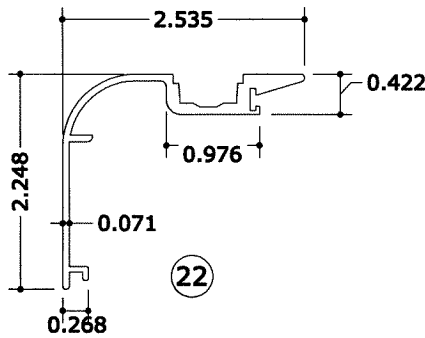
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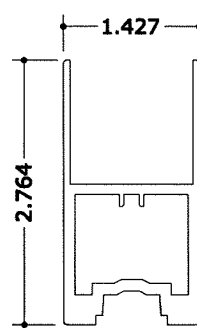
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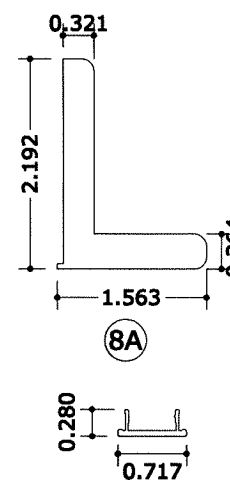
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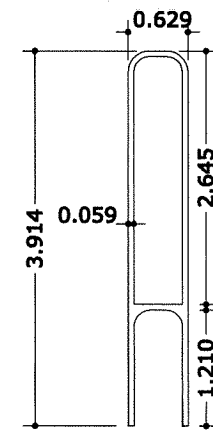


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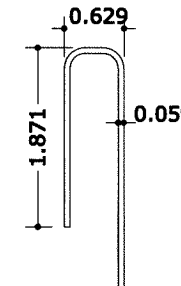


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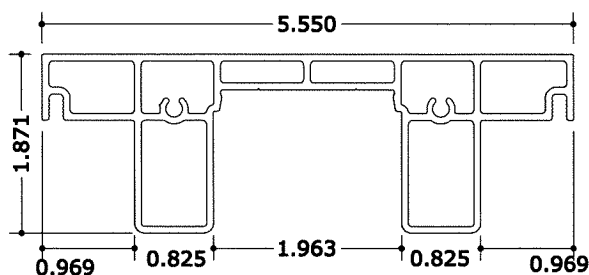
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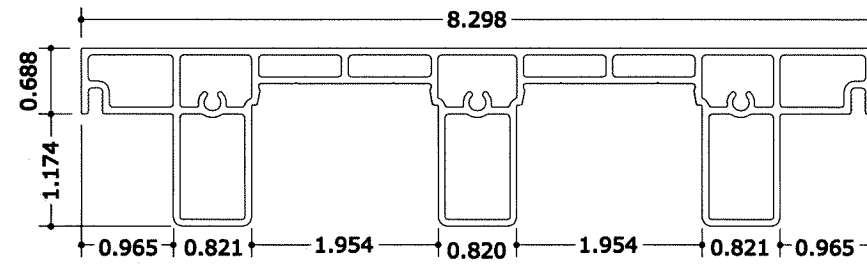
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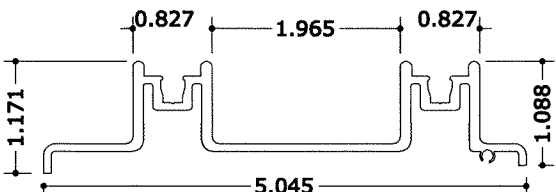
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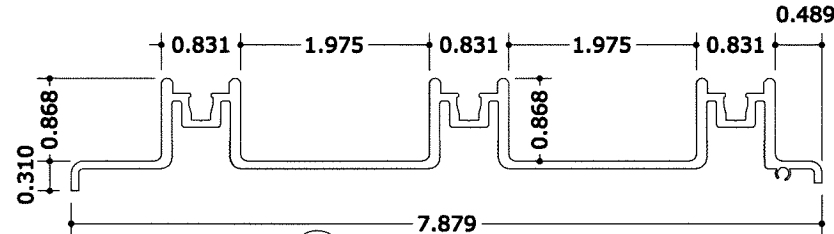
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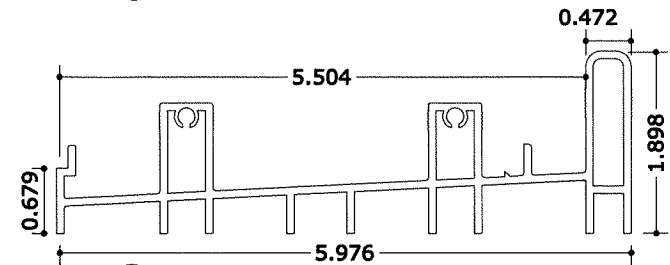
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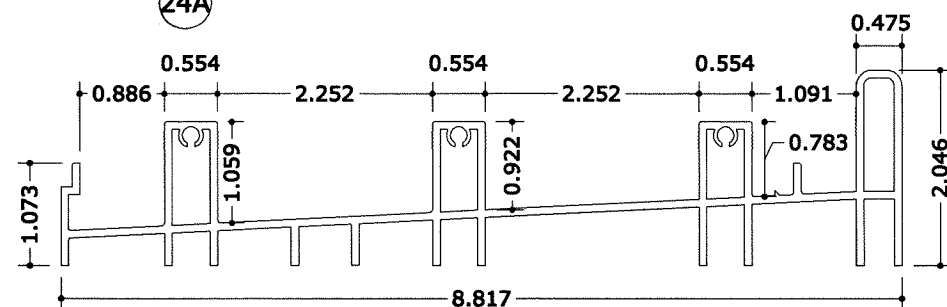
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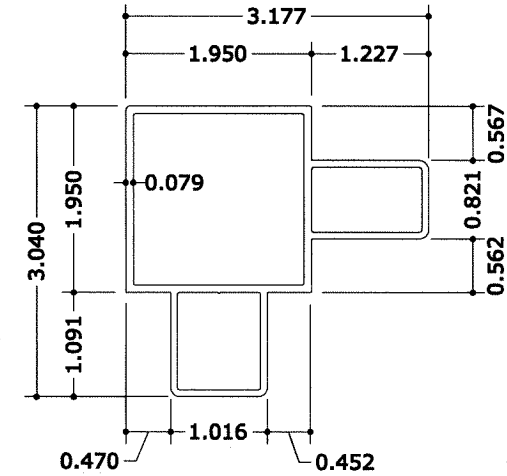
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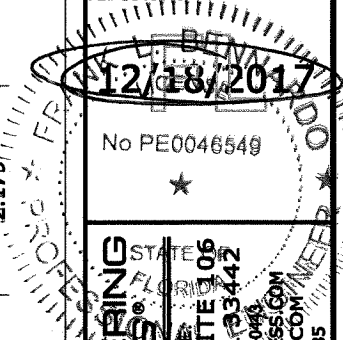
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REMARKS	DRWN	CHKD	DATE
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REV 1 - 80" DOOR	JEM	FLB	02/16/17
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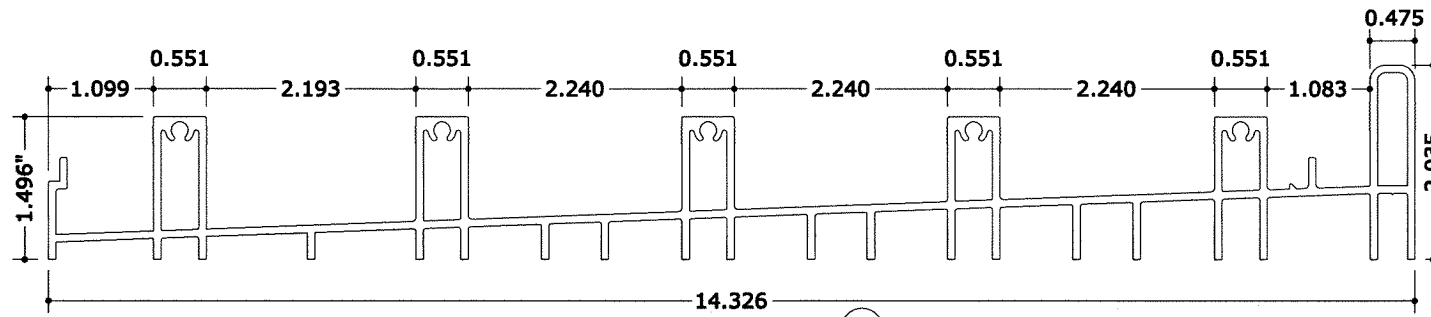
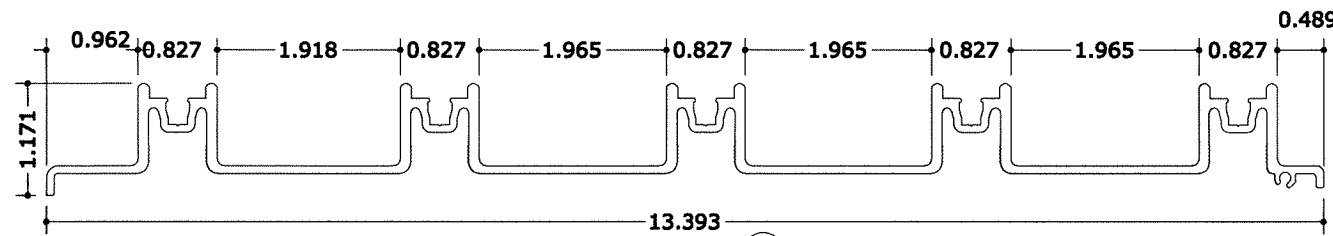
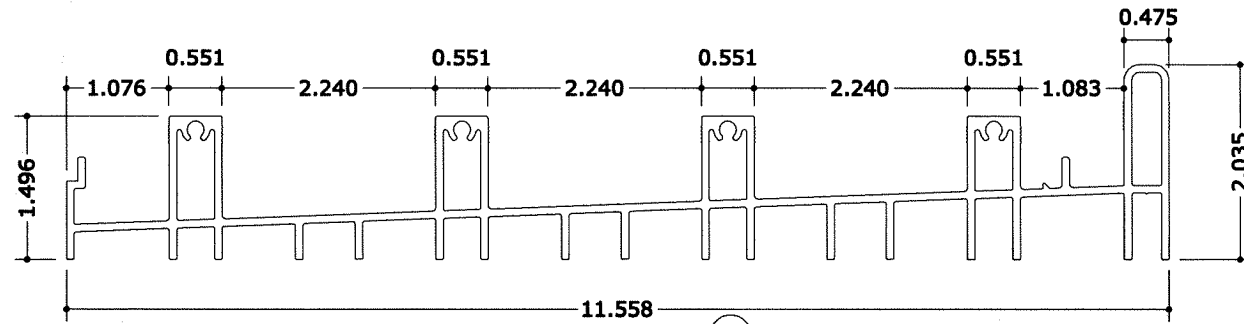
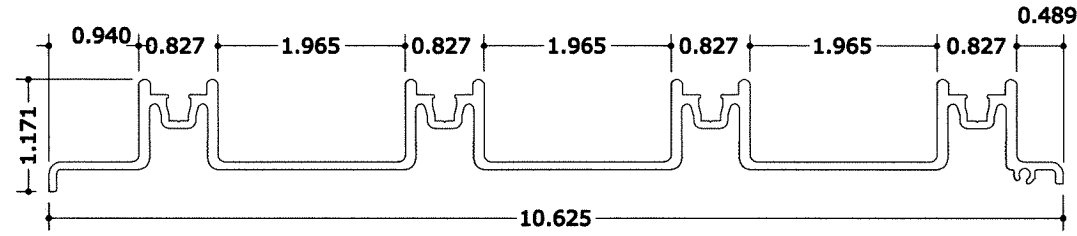
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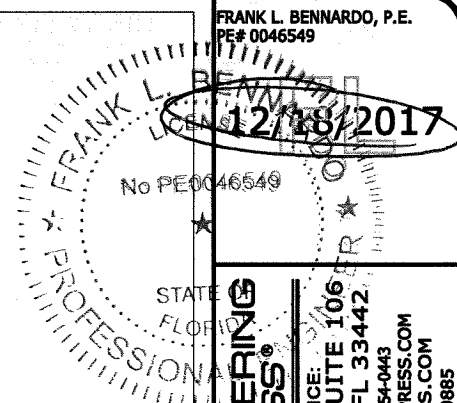
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