



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**PGT Industries, Inc.**  
**1070 Technology Drive**  
**North Venice, Fl. 34275**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "FD-5455" Outswing PVC French Door w/ & w/o Sidelite and Transom - N.I.**

**APPROVAL DOCUMENT:** Drawing No. MD-455.1, Series titled "Vinyl French Door and SLT/TR", sheets 1 through 12 of 12, dated 05/07/13, with revision C dated 04/10/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA No. 17-0504.06** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S.Z.  
12/20/2018

NOA No. 18-1108.04  
Expiration Date: January 23, 2024  
Approval Date: December 20, 2018  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 13-0815.04)*
2. Drawing No. **MD-455.1**, titled "Vinyl French Door and SLT/TR", sheets 1 through 12 of 12, dated 05/07/13, with revision **C** dated 04/10/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
5) Large Missile Impact Test per FBC, TAS 201-94  
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a Series FD-5570/FD-2770 PVC double entrance outswing doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8717**, dated 11/16/15, signed and sealed by Idalmis Ortega, P.E.  
*(Submitted under previous NOA No. 16-0126.06)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of an outswing PVC French door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7370**, dated 05/23/13, signed and sealed by Jorge A. Naya, Jr., P.E.  
*(Submitted under NOA No. 13-0815.04)*
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a PVC fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7338**, dated 05/25/13, signed and sealed by Jorge A. Naya, Jr., P.E.  
*(Submitted under NOA No. 13-0815.04)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 03/30/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under NOA No. 15-0409.01)*
2. Glazing complies with **ASTM E1300-09**



Sifang Zhao, P.E.  
Product Control Examiner  
NOA No. 18-1108.04  
Expiration Date: January 23, 2024  
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D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0820.11** issued to Vision Extrusions Limited for their “**White Rigid PVC Exterior Extrusions for Windows and Doors**”, dated 11/06/14, expiring on 09/30/19.  
*(Submitted under NOA No. 15-0409.01)*
2. Notice of Acceptance No. **14-0820.12** issued to Vision Extrusions Limited for their “**Brown Coated (Painted or Laminated) White Rigid PVC Exterior Extrusions for Windows and Doors**”, dated 11/06/14, expiring on 09/30/19.  
*(Submitted under NOA No. 15-0409.01)*
3. Notice of Acceptance No. **13-1121.01** issued to Vision Extrusions Limited for their series “**VE 2000 Tan 202 and lighter shades (Non-White) Rigid Cellular PVC Exterior Extrusions for Windows and Doors**” dated 01/23/14, expiring on 01/23/19.  
*(Submitted under NOA No. 15-0409.01)*
4. Notice of Acceptance No. **13-1121.02** issued to Vision Extrusions Limited for their series “**White Rigid Cellular PVC Exterior Extrusions for Windows and Doors**” dated 01/23/14, expiring on 01/23/19.  
*(Submitted under NOA No. 15-0409.01)*
5. Notice of Acceptance No. **11-0902.10** issued to Vision Extrusions Limited for their series “**VE 1000 Tan 202 (Non-White) Rigid PVC Exterior Extrusions for Windows and Doors**” dated 12/29/11, expiring on 12/29/16.  
*(Submitted under NOA No. 15-0409.01)*
6. Quanex Part Super Spacer Standard complying with ASTM C518 Thermal Conductivity 0.881 BTU-in/ hr.-ft<sup>2</sup>-°F, ASTM F 1249 WVTR-Pass, ASTM D3985 Oxygen-Pass, ASTM E 2190 I.G. Durability-No Fog-Pass.  
*(Submitted under NOA No. 13-0815.04)*
7. Quanex Part Duraseal complying with ASTM C518 Thermal Conductivity 2.22 BTU-in/ hr.-ft<sup>2</sup>-°F, ASTM F 1249 WVTR-Pass, ASTM D 1434 Argon Permeance-Pass, ASTM E 2189 I.G. Durability-No Fog, ASTM E 546 Dew Point Development -20°F in 48 hrs.  
*(Submitted under NOA No. 13-0815.04)*
8. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13.  
*(Submitted under NOA No. 13-0815.04)*
9. PVC-AAMA 303-13, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles for Vision Extrusions, Ltd.-VEX-1 by AAMA Fenestration Exterior Profile Certification Program.  
*(Submitted under NOA No. 13-0815.04)*



Sifang Zhao, P.E.

Product Control Examiner

NOA No. 18-1108.04

Expiration Date: January 23, 2024

Approval Date: December 20, 2018

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS (CONTINUED)**

10. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13.  
*(Submitted under NOA No. 13-0815.04)*
11. PVC-AAMA 303-13, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles for Vision Extrusions, Ltd.-VEX-1 by AAMA Fenestration Exterior Profile Certification Program.  
*(Submitted under NOA No. 13-0815.04)*

**F. STATEMENTS**

1. Statement letter of conformance to and of complying with **FBC 5<sup>th</sup> Edition (2014)** and **FBC 6<sup>h</sup> Edition (2017)** dated 08/16/17, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.
2. Statement letter of no financial interest and of independence, issued by manufacturer, dated 04/28/17, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Reports No. **FTL-7370** and **FTL-7338**, issued by Fenestration Testing Laboratory, Inc., dated 05/23/13, signed and sealed by Jorge A. Naya, Jr., P.E.  
*(Submitted under NOA No. 13-0815.04)*

**G. OTHERS**

1. Notice of Acceptance No. **17-0504.06**, issued to PGT Industries, Inc. for their Series "FD-5455" Outswing PVC French Door w/ & w/o Sidelite and Transom - N.I., approved on 12/14/17 and expiring on 01/23/19.

  
Sifang Zhao, P.E.

Product Control Examiner

NOA No. 18-1108.04

Expiration Date: January 23, 2024

Approval Date: December 20, 2018

**SERIES FD-5455,  
NON-IMPACT-RESISTANT, VINYL, REINFORCED, OUTSWING  
FRENCH DOOR & SIDELITE/TRANSOM (SLT/TR)**

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS (CMU'S) OF NORMAL WEIGHT AND OF COMPRESSIVE STRENGTH OF MIN. 1.9 KSI AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.

4) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, THIS SHEET. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

5) IF SILL IS TIGHT TO SUBSTRATE, GROUT IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT AT 3.4 KSI MIN. PER ASTM C1107, (DONE BY OTHERS). MAX. 1/4" SHIM SPACE FOR GROUT WHICH MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION, COMPLYING WITH THE FBC.

6) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENT SHOWN ON TABLE 1, THIS SHEET. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. EXTERIOR INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

7) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE DOOR, SIDELITE OR TRANSOM.

8) DESIGN PRESSURES:

- A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
- C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

9) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (INCLUDING ADOPTED STANDARDS) FOR CORROSION RESISTANCE.

10) ALL RIGID PVC AND RIGID CELLULAR PVC MANUFACTURED BY ENERGI FENESTRATION SOLUTIONS USA, INC. OR R VISION EXTRUSIONS, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS.

11) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE.

12) REFERENCES:

TEST REPORTS: FTL-7339 & 7371

NOA'S: ELCO ULTRACON, CRETEFLEX & AGGREGATOR ANCHOR NOA'S, ENERGI FENESTRATION SOLUTIONS USA, INC. OR VISION EXTRUSIONS LTD. WHITE RIGID PVC NOA. VE 1000 TAN 202 AND LIGHTER SHADES (NON-WHITE) RIGID PVC NOA AND

TABLE 1:

Group	Anchor	Ungro	Ungro	P.T.S	Site	P.T.S	Grou	Co	Ungro	P.T.S	Grou	Co	Ungro	P.T.S	Grou	Co	Ungro	P.T.S	Grou	Co																								
A	3/16" Elco Ultracon																																											
B	#10 Steel SMS (G5) #10 410 S.S. SMS #10 18-8 S.S. SMS																																											
C	1/4" Elco Ultracon																																											
D	1/4" Elco Ultracon																																											

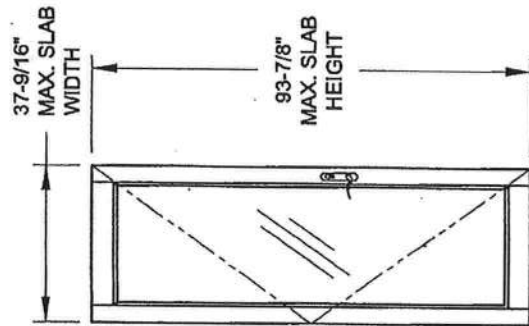
\* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

TABLE 2:

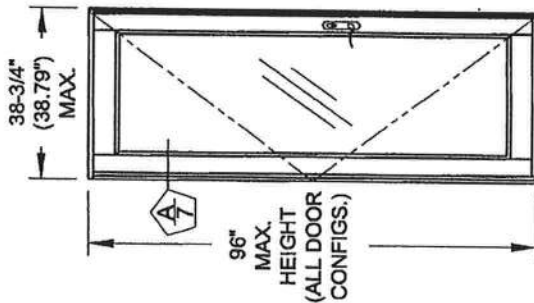
Type #	Description
1	1/8" Tempered - 5/8" Airspace - 1/8" Temp
2	3/16" Tempered - 1/2" Airspace - 3/16" Temp

SEE SHEET 3 FOR SPACER INFORMATION.

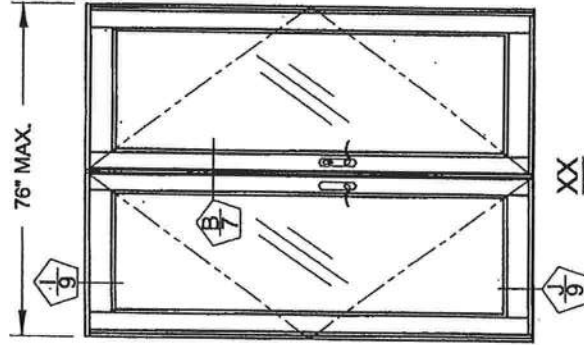
# EXAMPLE CONFIGURATIONS



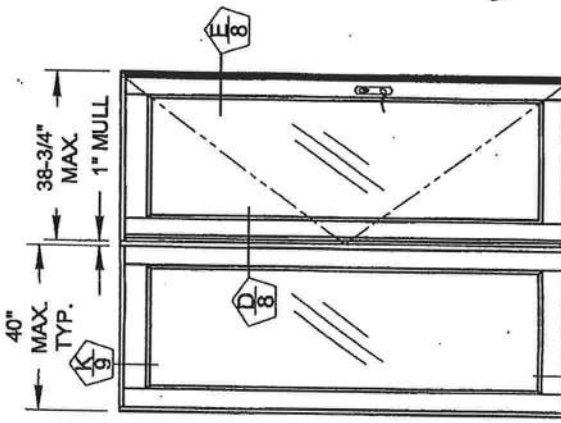
TYP. DOOR SLAB



X



XX

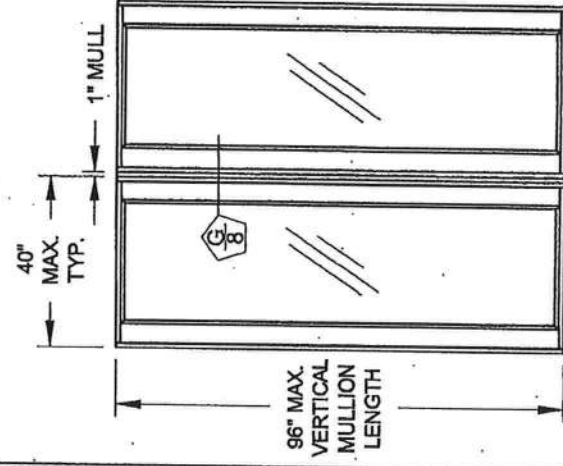
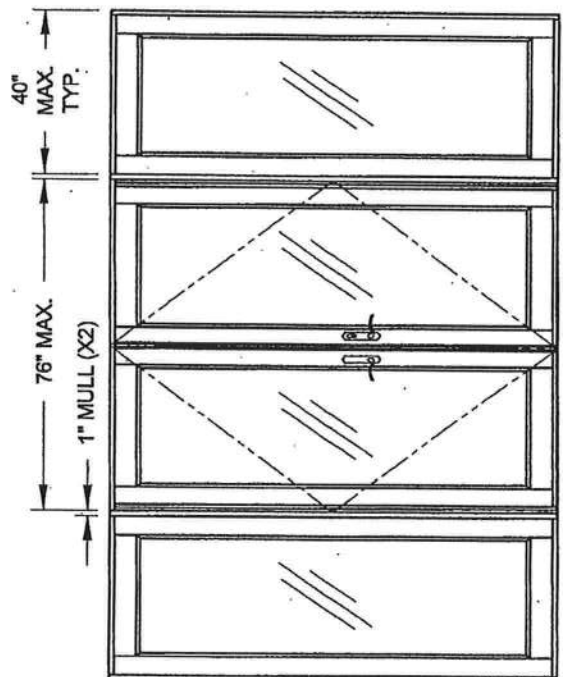
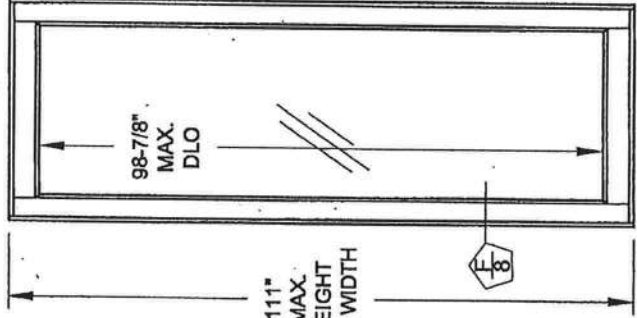
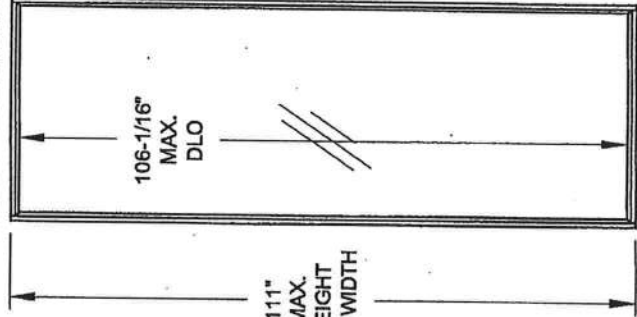


OIX (SHOWN) OR XIO  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)

40" MAX. HORIZONTAL MULLION LENGTH



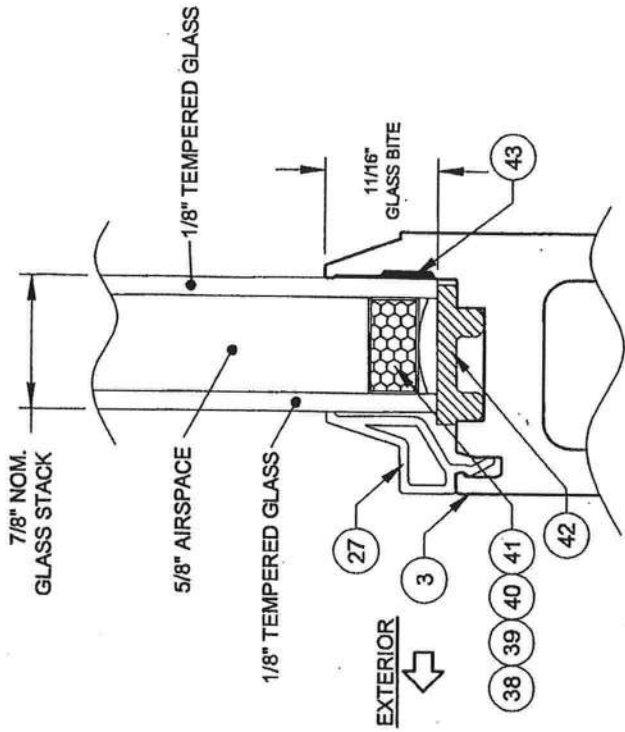
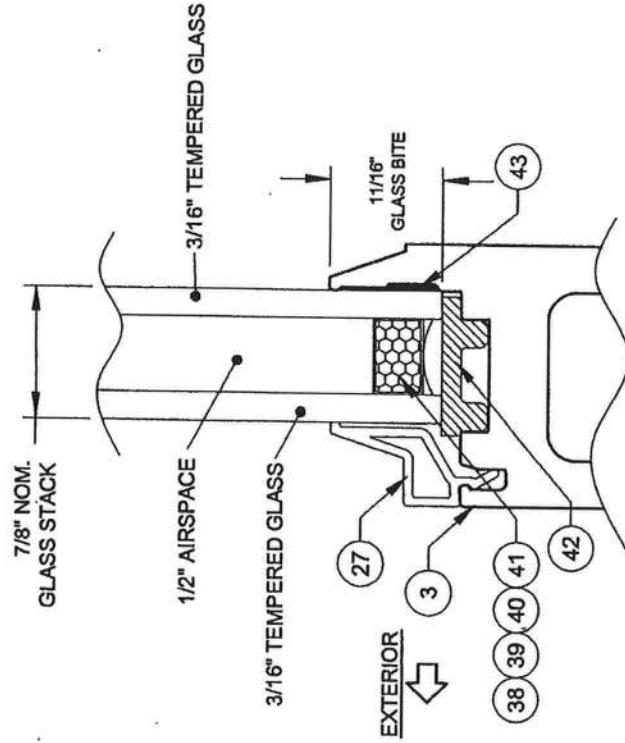
30.8 FT<sup>2</sup> MAX. SEE SIZE RANGES FROM TABLE 8, SHEET 5



# DOOR, SIDELITE & TRANSOM GLAZING DETAILS

STP  
POLYISOE  
WITH DI

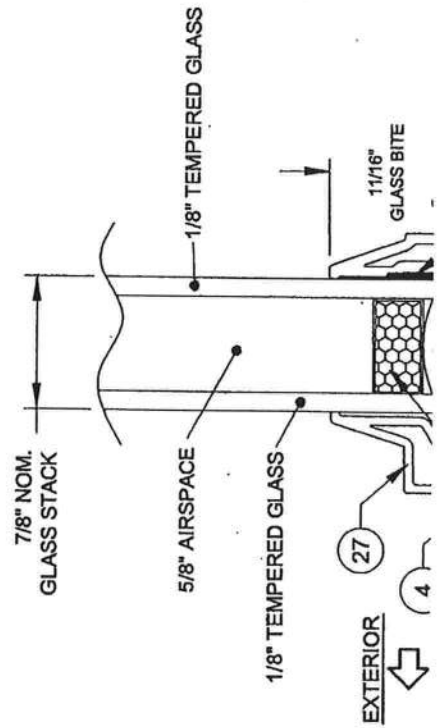
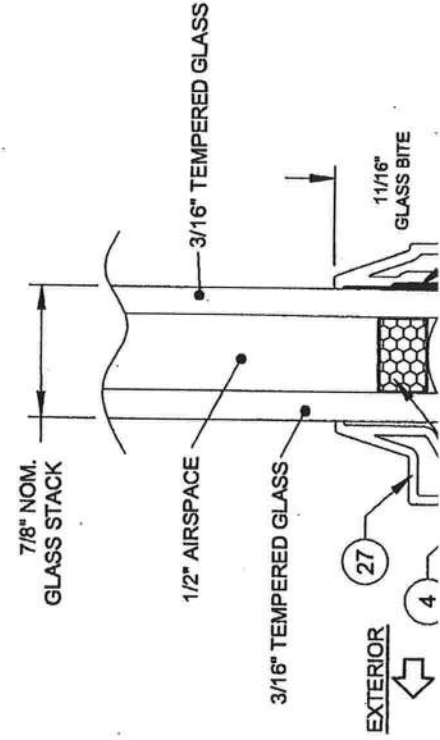
EXT. I



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S

DES  
EXT. G

## GLASS TYPE 2



BU  
DESIC  
f  
EXT. GLAS

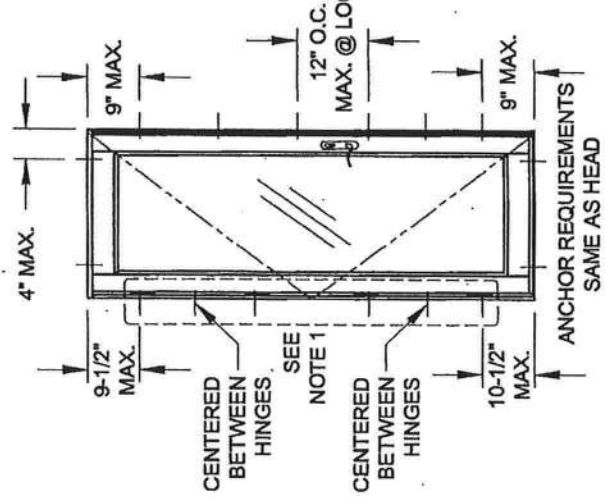
POL  
BUTYL

ROLL-FI  
STAINLESS

## GLASS TYPE 1

**SINGLE DOOR INSTALLATION (X)**

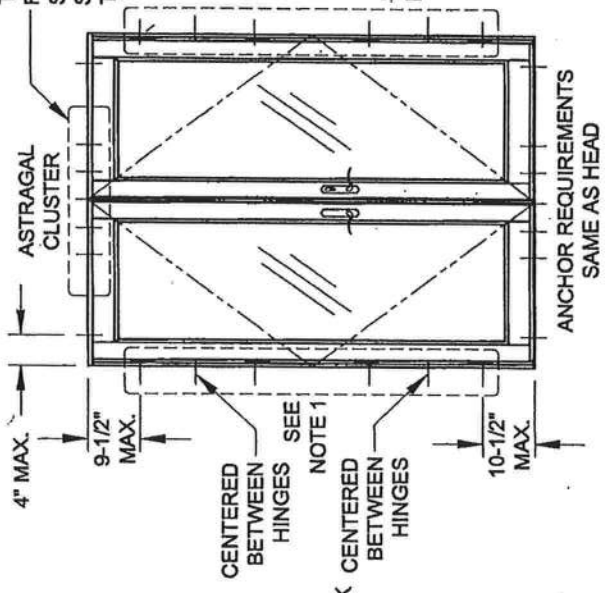
(X)



X

**DOUBLE DOOR INSTALLATION (XX)**

(XX)



XX, (USING ASTRAGAL)

4" O.C. MIN., SEE TABLE 4, THIS SHEET, FOR QUANTITY, SEE TABLE 1, SHEET 1 FOR TYPE

96" MAX. MULLION LENGTH IN VERTICAL APPLICATIONS

SEE NOTE 1

(XIO)

**SIDELITE-TO-SIDELITE MULLION INSTALLATION (OIO)**

(OIO)

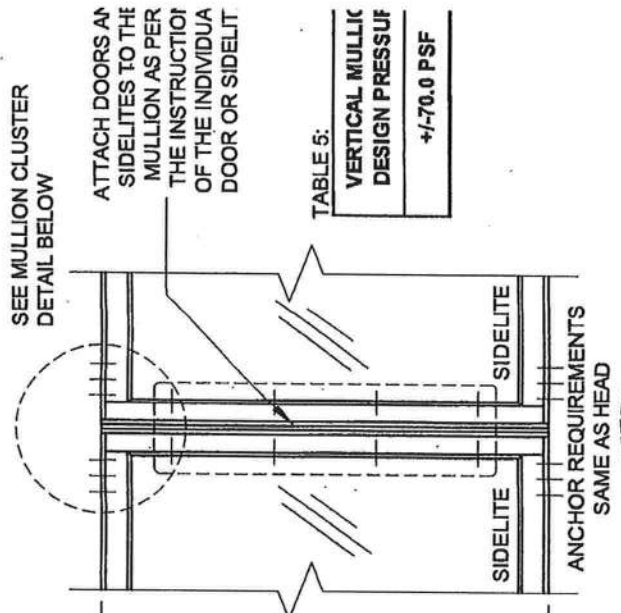


TABLE 5:

VERTICAL MULLION DESIGN PRESSURE
+/-70.0 PSF

TABLE 3:

DOOR DESIGN PRESSURE	Glass Type 1	Glass Type 2
+/-50.0 PSF		
+/-70.0 PSF		

TABLE 4: XX Door: Astragal Cluster Anchors Required @ Head & Sill

Door Height (in)	Door Width (in)												
	48	60	72	76									
80	4	4	4	4	4	4	4	4	4	4	4	4	4
96	4	4	4	4	4	4	4	4	4	4	4	4	4

TABLE 6: Anchors Required for a Vertical Mullion

Door or Sidelite/Transom Height (ft)	Door or Sidelite/Transom Width (ft)											
	12	24	32									
80	Anchor Group B-D	Anchor Group B&C	Anchor Group D	Anchor Group B	Anchor Group C	Anchor Group D	Anchor Group B	Anchor Group C	Anchor Group D	Anchor Group B	Anchor Group C	Anchor Group D
	N/A	2	1	2	2	1	2	2	1	2	2	1
96	Anchor Group B-D	Anchor Group B&C	Anchor Group D	Anchor Group B	Anchor Group C	Anchor Group D	Anchor Group B	Anchor Group C	Anchor Group D	Anchor Group B	Anchor Group C	Anchor Group D
	1	2	1	2	2	1	2	2	1	2	2	1

**TRANSOM-TO-DOOR (XIO) OR TRANSOM-TO-SIDELITE (OIO) MULLION ATTACHMENT & INSTALLATION**

ATTACH DOORS, SIDELITES & TRANSOMS TO THE MULLION AS SHOWN



TABLE 8: Sidelite/Transom Design Pressure (+/-, psf) for Glass Types 1 & 2

	Long Side (in)													
	63-3/16	66-5/8	68	70	72	76	78	82	84	88	92	96	98	104
24	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
28	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
38-3/4	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
52	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
54	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
56	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
58	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
60	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
62	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
63-3/16	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
66-5/8	+/-69.1	+/-68.9	+/-67.9	+/-66.2										

SIDELITE/TRANSOM INSTALLATION (O)

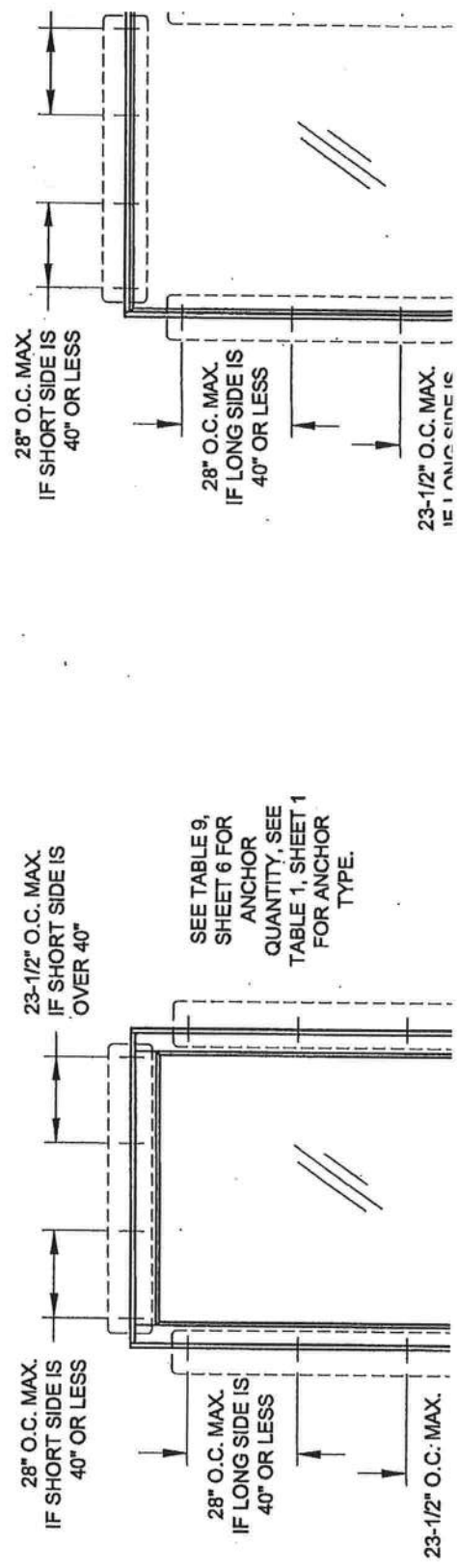


TABLE 9:

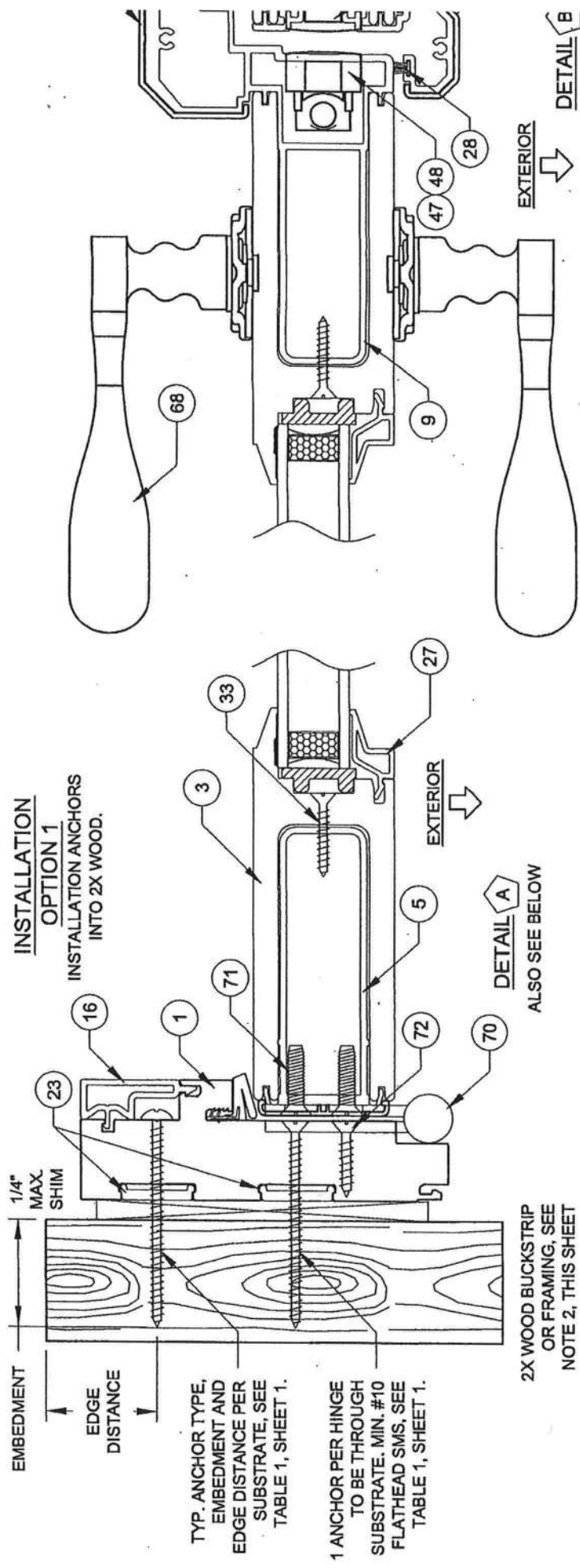
Sidelite/Transom Anchor Quantity

	Long Side (in)																					
	63-3/16		66-5/8		70		72		76		78		82		84		88		92		96	
	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D	Anchor Group A	Anchor Group B-D
24	Short Side	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	Short Side	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
32	Short Side	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
36	Short Side	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
38-3/4	Short Side	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
40	Short Side	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
42	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
44	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
46	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
48	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
50	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
52	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
54	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
56	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
58	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
60	Short Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
62	Short Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
63-3/16	Short Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
	Long Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
66-5/8	Short Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
	Long Side	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6

Short Side (in)

**INSTALLATION  
OPTION 1**

INSTALLATION ANCHORS  
INTO 2X WOOD.



TYP. ANCHOR TYPE,  
EMBEDMENT AND  
EDGE DISTANCE PER  
SUBSTRATE, SEE  
TABLE 1, SHEET 1.

1 ANCHOR PER HINGE  
TO BE THROUGH  
SUBSTRATE. MIN. #10  
FLATHEAD SMS, SEE  
TABLE 1, SHEET 1.

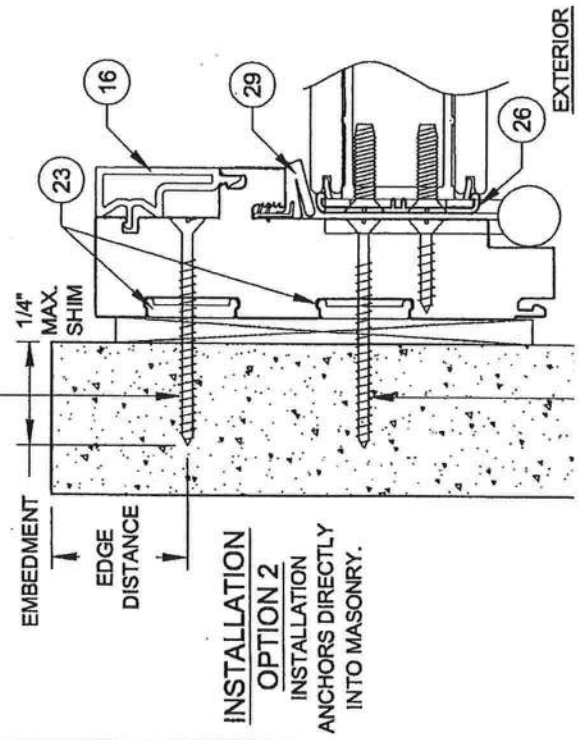
2X WOOD BUCKSTRIP  
OR FRAMING, SEE  
NOTE 2, THIS SHEET

ALSO SEE BELOW  
**DETAIL A**

**DETAIL B**

TYP. ANCHOR TYPE, EMBEDMENT  
AND EDGE DISTANCE PER  
SUBSTRATE, SEE TABLE 1, SHEET 1.  
AVOID INTERFERENCE WITH  
OPPOSING ANCHOR BY CHOOSING  
THE CORRECT LENGTH OR  
STAGGERING LOCATIONS.

TYP. ANCHOR TYPE, EMBEDMENT AND  
EDGE DISTANCE PER SUBSTRATE, SEE  
TABLE 1, SHEET 1.



**INSTALLATION  
OPTION 2**  
INSTALLATION  
ANCHORS DIRECTLY  
INTO MASONRY.

TYP. ANCHOR TYPE,  
EMBEDMENT AND EDGE  
DISTANCE PER SUBSTRATE,  
SEE TABLE 1, SHEET 1.

1 ANCHOR PER HINGE TO BE  
THROUGH SUBSTRATE. MIN.  
#10 FLATHEAD SMS WITH  
MIN. 3 THREADS BEYOND  
METAL SUBSTRATE.

**EXTERIOR**

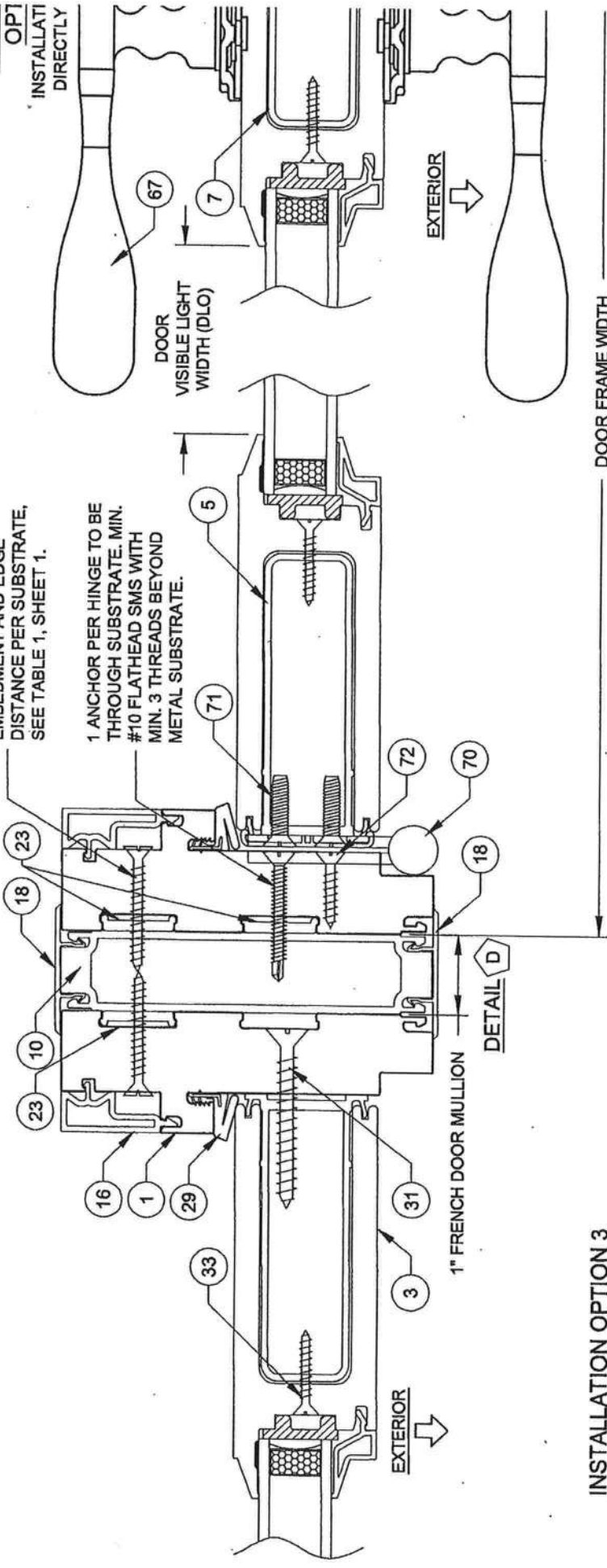
**EXTERIOR**

**EXTERIOR**

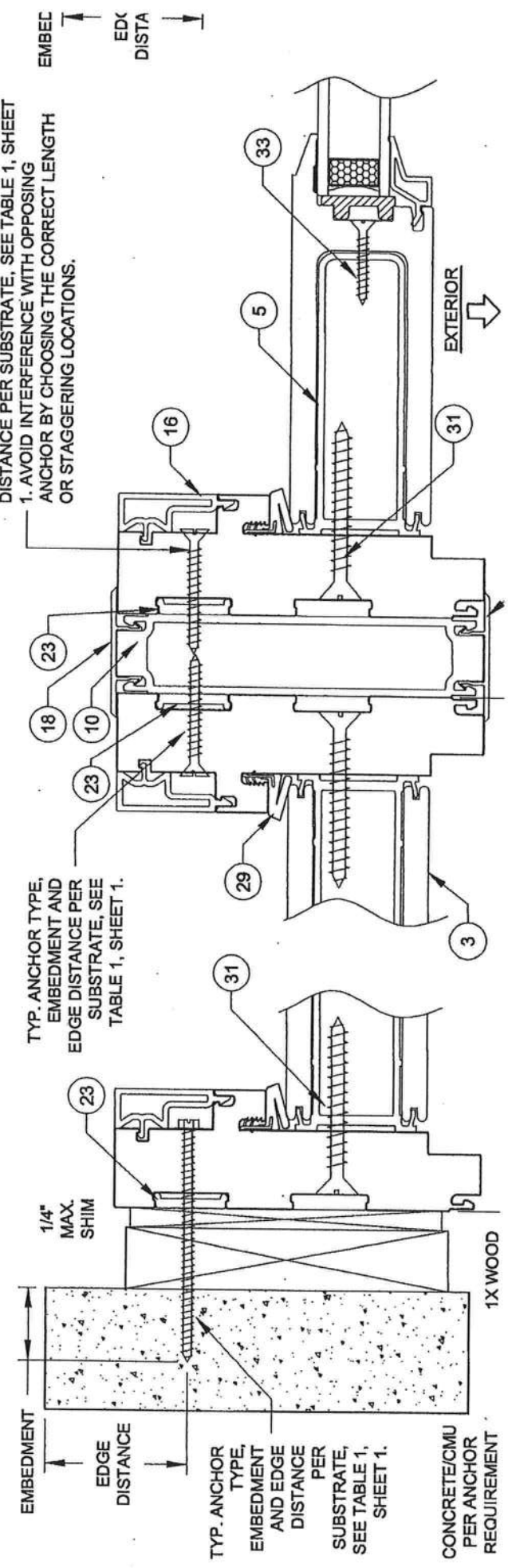
INSTA  
OPT  
INSTALLATI  
DIRECTLY

TYP. ANCHOR TYPE,  
EMBEDMENT AND EDGE  
DISTANCE PER SUBSTRATE,  
SEE TABLE 1, SHEET 1.

1 ANCHOR PER HINGE TO BE  
THROUGH SUBSTRATE. MIN.  
#10 FLATHEAD SMS WITH  
MIN. 3 THREADS BEYOND  
METAL SUBSTRATE.



**INSTALLATION OPTION 3**  
INSTALLATION ANCHORS THROUGH  
1X BUCKSTRIP INTO MASONRY.



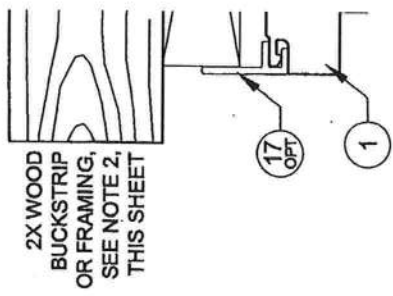
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE  
DISTANCE PER SUBSTRATE, SEE TABLE 1, SHEET  
1. AVOID INTERFERENCE WITH OPPOSING  
ANCHOR BY CHOOSING THE CORRECT LENGTH  
OR STAGGERING LOCATIONS.

EMBE  
EDX  
DISTA

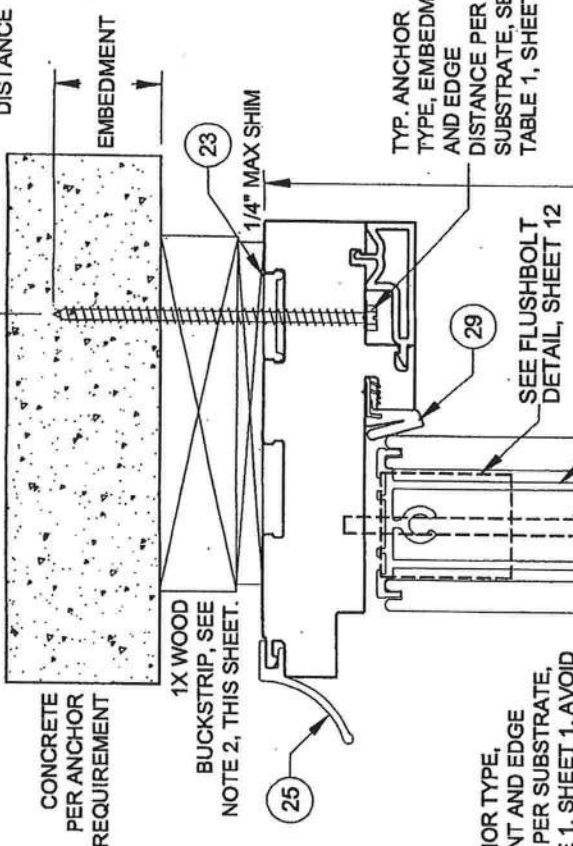
TYP. ANCHOR  
TYPE,  
EMBEDMENT  
AND EDGE  
DISTANCE  
PER  
SUBSTRATE,  
SEE TABLE 1,  
SHEET 1.

CONCRETE/CMU  
PER ANCHOR  
REQUIREMENT

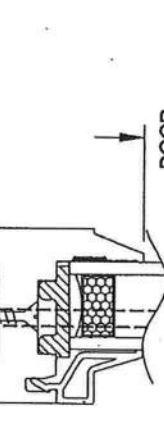
**INSTALL  
INSTALLATION  
1X BUCKS**



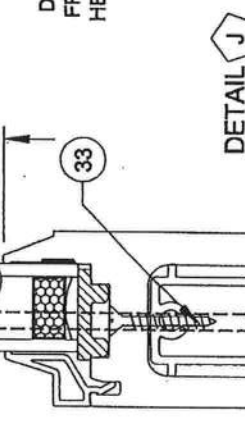
**INSTALLATION OPTION 3  
INSTALLATION ANCHORS THROUGH  
1X BUCKSTRIP INTO MASONRY.**



**DETAIL I**



**DETAIL J**

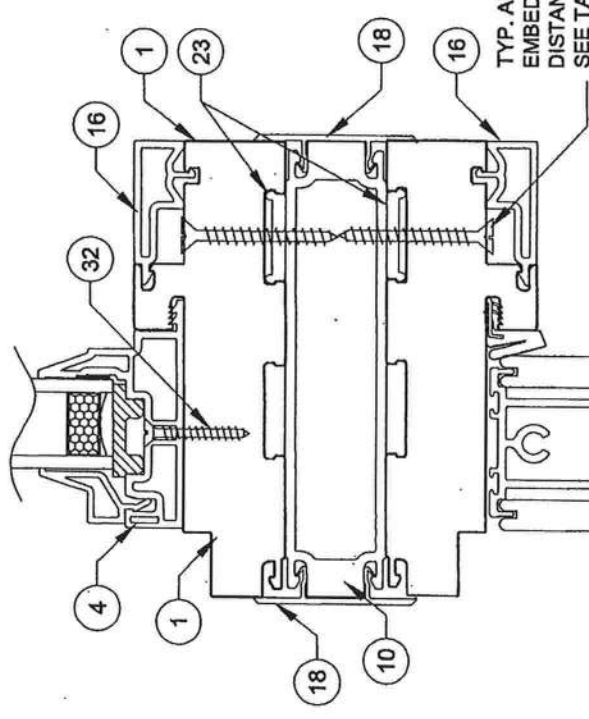


**EXTERIOR** ←

**INSTALLATION  
OPTION 2  
INSTALLATION**

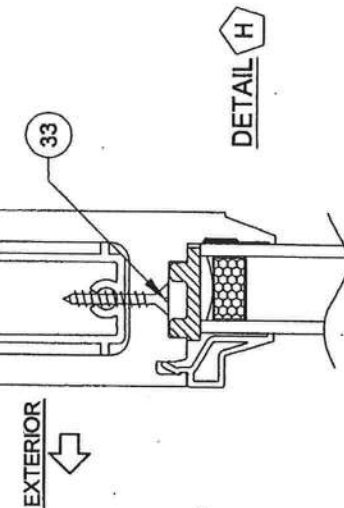
**EXTERIOR** ←

**INSTALLATION**



TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 1, SHEET 1. AVOID INTERFERENCE WITH OPPOSING ANCHOR BY CHOOSING THE CORRECT LENGTH OR STAGGERING LOCATIONS.

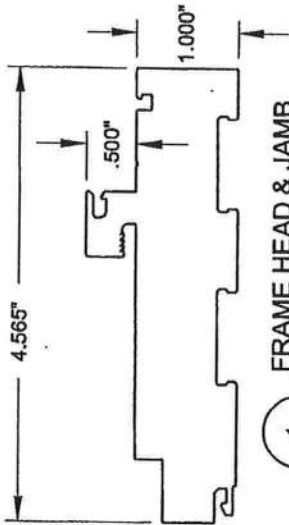
**DETAIL H**



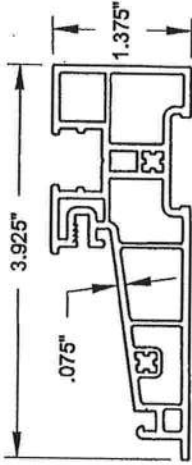
**EXTERIOR** ←

**INSTALLATION NOTES:**

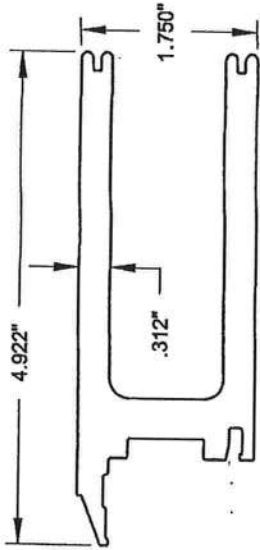
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
- 2) WOOD BUCKS DEPICTED ON THIS SHEET AS "1X", ARE



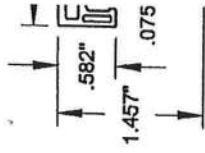
1 **FRAME HEAD & JAMB**  
#20000, Rigid Cellular PVC



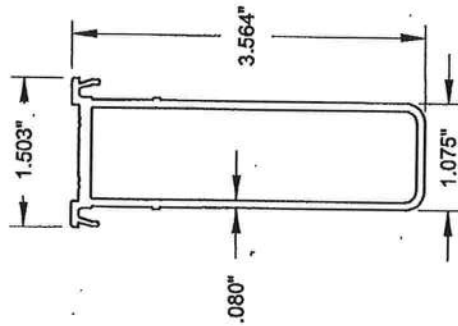
2 **FRAME SILL**  
#20001, Rigid PVC



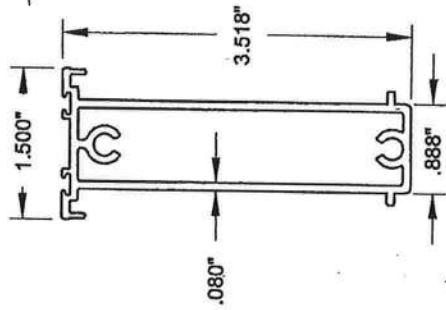
3 **PANEL RAIL & STILE**  
#20002, Rigid Cellular PVC



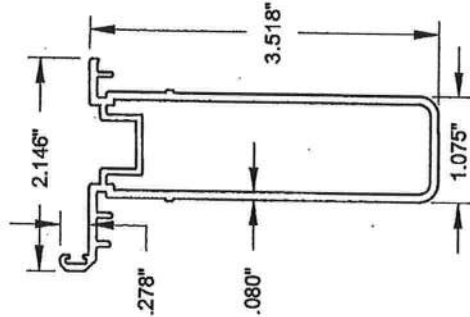
4 **SIDI**  
#2



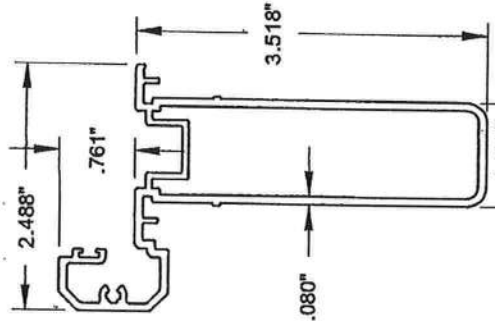
5 **HINGE STILE REINFORCEMENT**  
#20013, 6063-T6



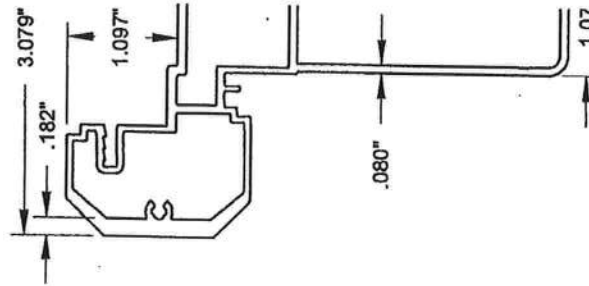
6 **TOP & BOTTOM RAIL REINFORCEMENT**  
#20014, 6063-T6



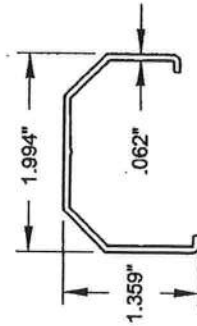
7 **PANEL STILE REINFORCEMENT**  
#20015, 6063-T6



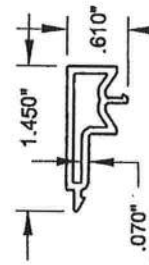
8 **ACTIVE ASTRAGAL**  
#20016, 6063-T6



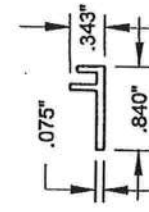
9 **INACTIVE ASTRAGAL**  
#20017, 6063-T6



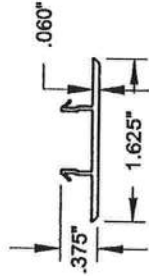
13 **INACTIVE ASTRAGAL COVER**  
#20004, Rigid PVC



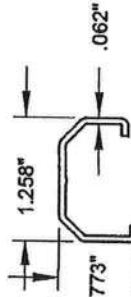
16 **FRAME SCREW COVER**  
#20007, Rigid PVC



17 **ADD-ON FIN/FLANGE**  
#20008, Rigid PVC



18 **1" MULLION CAP**  
#20009, Rigid PVC



19 **ACTIVE ASTRAGAL COVER**  
#20011, Rigid PVC

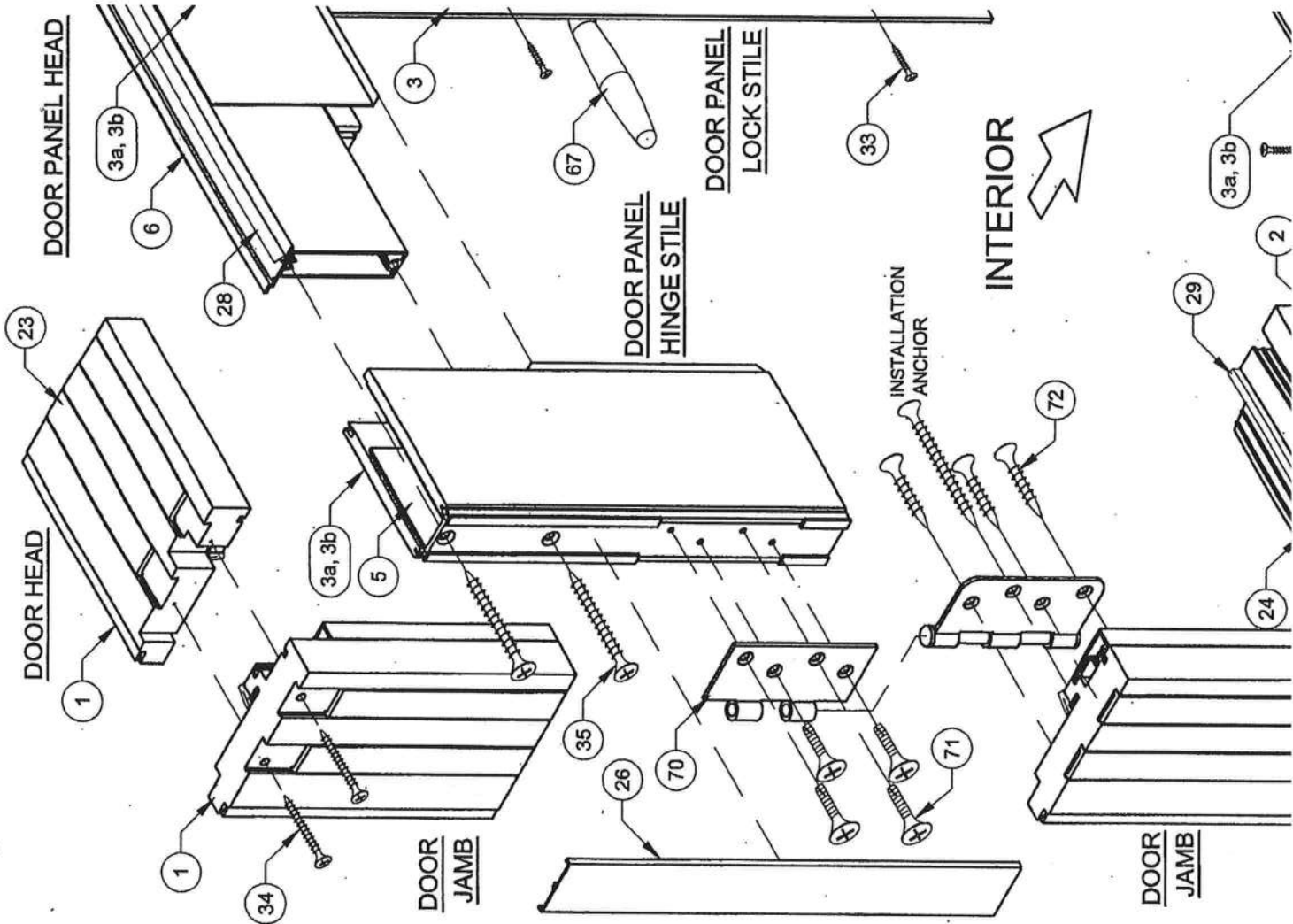
TABLE 10:

#	PGT Part #	Description	Material
1	20000	Door & Sidelite/Transom Main Frame	Cellular PVC
2	20001	Door Frame Sill	Rigid PVC
3	20002	Panel Stile & Rail	Cellular PVC
4	20003	Sidelite Adapter	Rigid PVC
5	20013	Hinge Stile Reinforcement	Alum., 6063-T6
6	20014	Panel Rail Reinforcement	Alum., 6063-T6
7	20015	Panel Stile Reinforcement	Alum., 6063-T6
8	20016	Active Astragal	Rigid PVC
9	20017	Inactive Astragal	Rigid PVC
10	20022	1" French Door Mullion	Alum., 6063-T6
13	20004	Inactive Astragal Cover	Rigid PVC
16	20007	Screw Cover	Rigid PVC
17	20008	Add-on Fin/Flange	Rigid PVC
18	20009	1" Mullion Cap	Rigid PVC
19	20011	Active Astragal Cover	Rigid PVC
20	20012	Single Door Astragal Cover	Rigid PVC
22	20057	Threshold Cover	Rigid PVC
23	19031	Anchor Plate	Alum., 6063-T5
24	20020	Threshold Cover	Alum., 6063-T6
25	20021	Drip Cap	Alum., 6063-T6
26	20023	Hinge Trim Cover	Rigid PVC
27	20024	7/8" Beveled Bead	Rigid PVC
28		Fin Weatherstrip	
29	1671/3	Frame Weatherstrip	
31	714FPT410XW	Frame-to-Wide Slab Screw: #14 X 1-1/2" Ph. FH, 16.625" O.C.	Stainless Steel
32	7S101X	Frame-to-Nar. Slab Screw: #10 X 1" Ph. FH, 28" O.C.	Stainless Steel
33	78X1FPT410	Reinforcement Screw: #8 X 1" Ph. FH, 18" O.C.	Stainless Steel
34	710X2FPAX	Frame Assembly Screw: #10 X 2" Ph. FH	Stainless Steel
35	714FPT410XW	W-W Slab Assembly Screw: #14 X 1-1/2" Ph. FH	Stainless Steel
37	71420X2.25	N-W Slab Assembly Screw: #14 X 2-1/4" Ph. FH	Stainless Steel
42	720026	Setting Block, (Duro.=85 +/- 5)	EPDM
43		Backbedding: Dow-995 or GE-7700	Silicone
47 - 73 see Hardware BOM, Table 11, Sheet 12			
90	20033	Inactive Astragal Cap	Acetal
91	20035	Active Astragal Cap	Acetal

ALL RIGID PVC AND RIGID CELLULAR PVC BY ENERGI FENESTRATION SOLUTIONS USA, INC OR VISION EXTRUSIONS, L.TD.  
ANCHOR O.C. DIMENSIONS SHOWN AS MAXIMUM.

DAYLITE OPENING (DLO) SIZES

WHEN USING PART # 3: (WIDE RAILS OR STILES)



# HARDWARE DETAILS & LOCATIONS

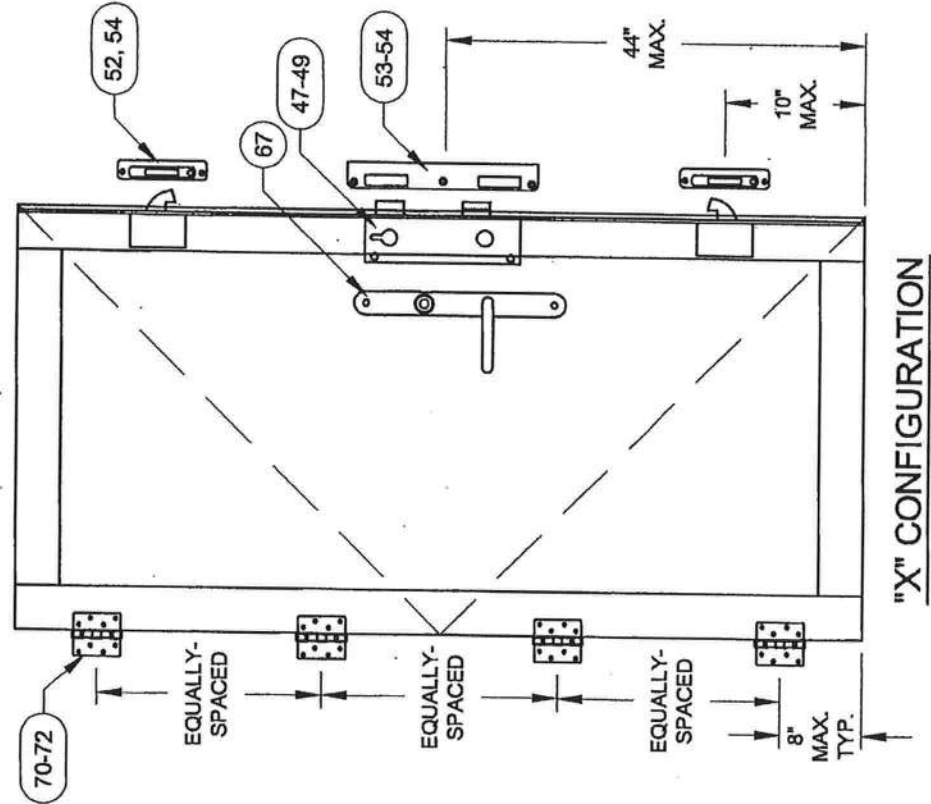
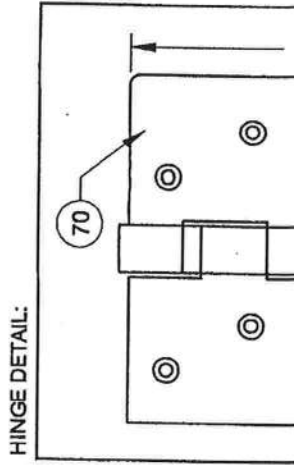
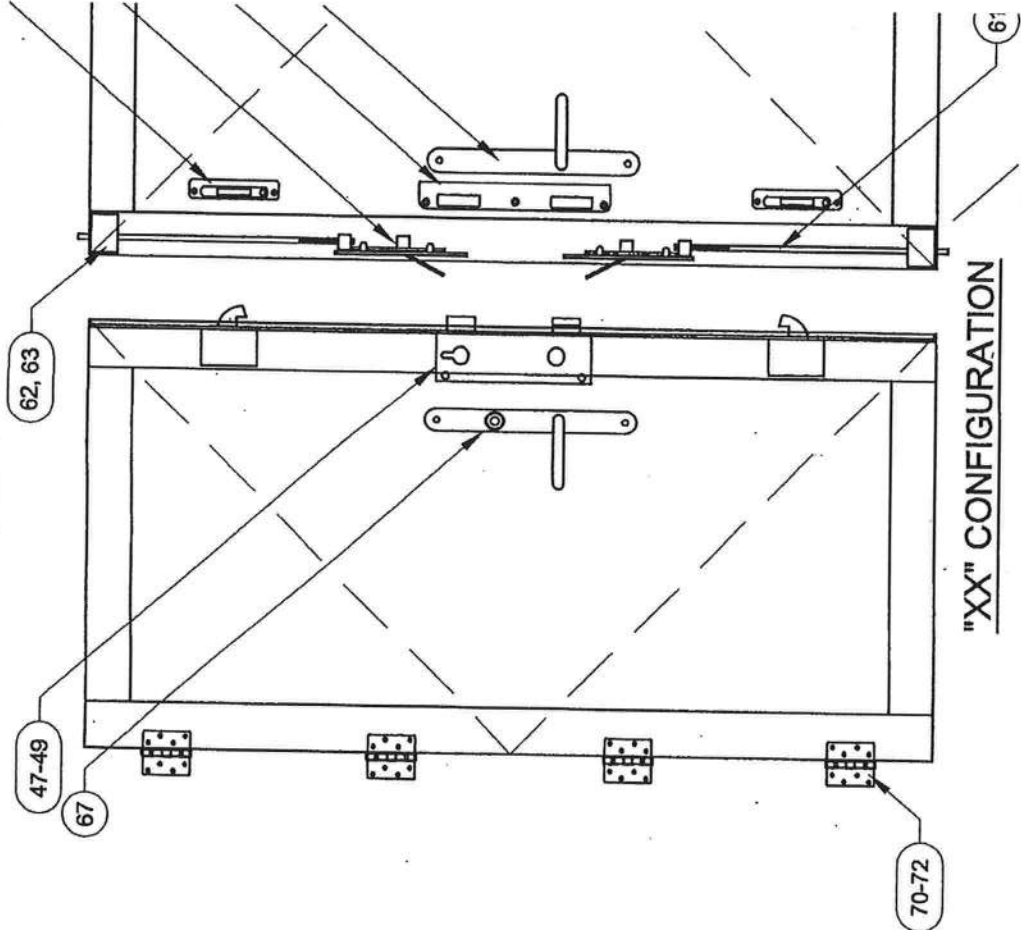


TABLE 11:

#	PGT Part #	Description	Material
47	666032701	P3000 3-PT Rhino Lock (68"), Amesbury Inc.	Stainless Steel
48	666032702	P3000 3-PT Rhino Lock (over 68"), Amesbury Inc.	Stainless Steel
49	71032X1FPFX	Rhino Lock Screw: 10-32 X 1" Phil. FH	Stainless Steel
52	20027	Adjustable Strike Plate Assembly, Amesbury Inc.	Stainless Steel
53	20028	Center Strike Plate Assembly, Amesbury Inc.	Stainless Steel
54	7S101X	Strike Plate Screw, (X): #10 X 1" Phil. FH	410 S.S.
55	78X12PFFHUX	Strike Plate Screw, (XX): #8 X 1/2" Phil. FH	410 S.S.
60	7SB1202	Flush Bolt (XX)	
61	7803725	Flush Bolt Rod (XX)	