

**GENERAL NOTES: SERIES 5555 LARGE & SMALL MISSILE, IMPACT-RESISTANT, VINYL, REINFORCED, OUTSWING FRENCH DOOR & SIDELITE/TRANSOM (SLT/TR)**

TDI PRODUCT EVALUATION #736

DESIGN PRESSURE RATING	IMPACT RATING
VARIES, SEE SHEETS 4 & 5	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC).
- SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- 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.
- IF SILL IS TIGHT TO SUBSTRATE, GROUT IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN., (DONE BY OTHERS) (MAX. 1/4" SHIM SPACE FOR GROUT) 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 IRC/IBC.
- 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.
- 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.
- DESIGN PRESSURES:  
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, CYCLE TESTING AND GLASS PER ASTM E1300.  
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, IMPACT/CYCLE TESTING AND GLASS PER ASTM E1300.
- 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 BE COATED OR CORROSION RESISTANT AS SPECIFIED IN THE IRC/IBC.
- ALL RIGID AND CELLULAR PVC MANUFACTURED BY ENERGI FENESTRATION SOLUTIONS USA, INC. OR VISION EXTRUSION, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS.
- SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER IRC/IBC.
- REFERENCES: TEST REPORTS FTL-7393, 7396, 7402, 7403, 7404 & 7418.
- SERIES FD-5555 WAS FORMERLY KNOWN AS FD-555.

TABLE 1:

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment	
A	3/16" Ultracon	Concrete (min. 2.85 ksi)	1"	1-3/8"	
		UngROUTED CMU, (ASTM C-90)	1"	1-1/4"	
	3/16" Ultracon+	Concrete (min. 3 ksi)	1-1/8"	1-3/4"	
		UngROUTED CMU, (ASTM C-90)	1"	1-1/4"	
B	#10 Steel SMS (G5) #10 410 S.S. SMS #10 18-8 S.S. SMS	P.T. Southern Pine (SG=0.55)	1/2"	1-3/8"	
		Aluminum, 6063-T5*	5/16"	0.063"	
		Steel, A36*	5/16"	0.063"	
		Steel Stud, A653 Gr. 33*	5/16"	0.063"	
	3/16" Ultracon	P.T. Southern Pine (SG=0.55)	1/2"	1-3/8"	
		Grouted CMU, (ASTM C-90)	2-1/2"	2-1/4"	
		Concrete (min. 2.85 ksi)	1"	1-3/8"	
		P.T. Southern Pine (SG=0.55)	1/2"	1-3/8"	
	3/16" Ultracon+	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"	
		Concrete (min. 3 ksi)	1-1/8"	1-3/4"	
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"	
	1/4" Ultracon	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"	
	1/4" Ultracon+	UngROUTED CMU, (ASTM C-90)	1-1/16"	1-1/4"	
	C	#12 Steel SMS (G5) #12 410 S.S. SMS #12 18-8 S.S. SMS	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
			Aluminum, 6063-T5*	3/8"	0.071"
			Steel, A36*	3/8"	0.071"
Steel Stud, A653 Gr. 33*			3/8"	0.071" (14 Ga)	
1/4" Ultracon		P.T. Southern Pine (SG=0.55)	1"	1-3/8"	
		Grouted CMU, (ASTM C-90)	2-1/2"	1-3/4"	
		Concrete (min. 2.85 ksi)	1"	1-3/8"	
1/4" Ultracon+		P.T. Southern Pine (SG=0.55)	1"	1-3/8"	
		Grouted CMU, (ASTM C-90)	1-1/8"	1-3/4"	
		Concrete (min. 3 ksi)	1-1/4"	1-3/8"	
1/4" 410 S.S. CreteFlex		Concrete (min. 3.35 ksi)	1"	1-3/4"	
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"	
		P.T. Southern Pine (SG=0.55)	1"	1-3/8"	
1/4" 18-8 S.S. Aggre-Gator		Concrete (min. 3.27 ksi)	1-1/2"	1-3/8"	
		UngROUTED CMU, (ASTM C-90)	4"	1-1/4"	
		Concrete (min. 2.85 ksi)	2-1/2"	1-3/8"	
D	1/4" Ultracon	Concrete (min. 2.85 ksi)	2-1/2"	1-3/8"	
	1/4" Ultracon+	Concrete (min. 3 ksi)	2-1/2"	1-3/8"	
	1/4" 410 S.S. CreteFlex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"	

- \* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
- UNGROUTED CMU VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- ALL ANCHOR HEAD TYPES ARE APPLICABLE.

TABLE 2:

Type #	Description	Where Used:
1	1-3/16" Lami. IG (1/8" T - 11/16" Air - 1/8" An - .090" PVB - 1/8" An)	Door
2	1-3/16" Lami. IG (3/16" T - 5/8" Air - 1/8" An - .090" PVB - 1/8" An)	
3	1-3/16" Lami. IG (1/8" T - 9/16" Air - 3/16" An - .090" SG - 3/16" An)	Sidelite & Transom (SLT/TR)
4	1-3/16" Lami. IG (3/16" T - 1/2" Air - 3/16" An - .090" SG - 3/16" An)	
5	1-3/16" Lami. IG (1/8" T - 9/16" Air - 3/16" An - .090" PVB - 3/16" An)	
6	1-3/16" Lami. IG (3/16" T - 1/2" Air - 3/16" An - .090" PVB - 3/16" An)	

"AN" = ANNEALED  
 "T" = TEMPERED  
 "PVB" = .090" TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.  
 "SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

Product	Size	DP	Certification #
Mullion	96"	+/- 70 psf	190-278, 1010
Door	38-3/4" x 96" (X) 76" x 96" (XX)	+/-50 psf (Glass Type 1)	190-277, 1009
	38-3/4" x 96" (X) 76" x 96" (XX)	+/-70 psf (Glass Type 2)	190-276, 1009
Sidelite or Transom	40" x 111" 111" x 40"	+/-70 psf (All Glass Types)	190-274, 275, 1006, 1007

SEE TABLE 3 FOR GLAZING-SPECIFIC DOOR DESIGN PRESSURES.

GUIDE TO SHEETS:

GENERAL NOTES.....	1
ELEVATIONS.....	2
GLAZING DETAILS.....	3
DESIGN PRESSURES.....	4-5
SIDELITE/TRANSOM ANCHORS.....	4-5
INSTALLATION.....	6-8
EXTRUSION PROFILES.....	9
PARTS LIST.....	10
CORNER DETAILS.....	10
HARDWARE DETAILS.....	11

COPYRIGHT © 2021  
 PGT INDUSTRIES, INC.  
 LIMITED LICENSE TO MAKE  
 COPIES FOR PERMITTING.

Revision  
 A) UPDATED TO NEW BUILDING CODE, ADDED ANCHOR TYPE, REVISED TABLES 1, 4 & 6 - JR - 01/22/21

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941)-480-1600

REGISTRATION #29296

5/7/13

J ROSOWSKI

VINYL FRENCH DOOR & SIDELITE/TRANSOM (LM)

GENERAL NOTES

FD-5555

1 OF 11

NTS

TDI-5555.1

Scale

Sheet

No.

DWG

Rev.

A

STATE OF TEXAS

ANTHONY LYNN MILLER

106954

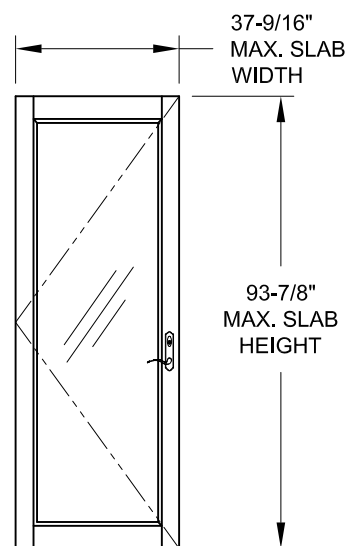
PROFESSIONAL ENGINEER

A. Lynn Miller 1/25/21

A. LYNN MILLER, P.E.

P.E.# 106954

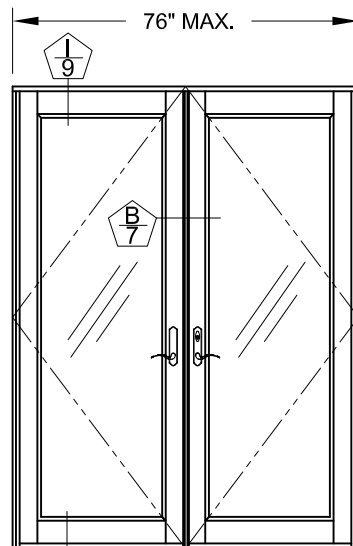
### EXAMPLE CONFIGURATIONS



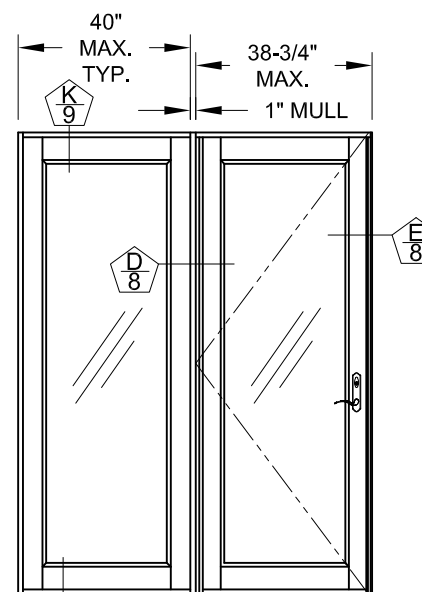
TYP. DOOR SLAB



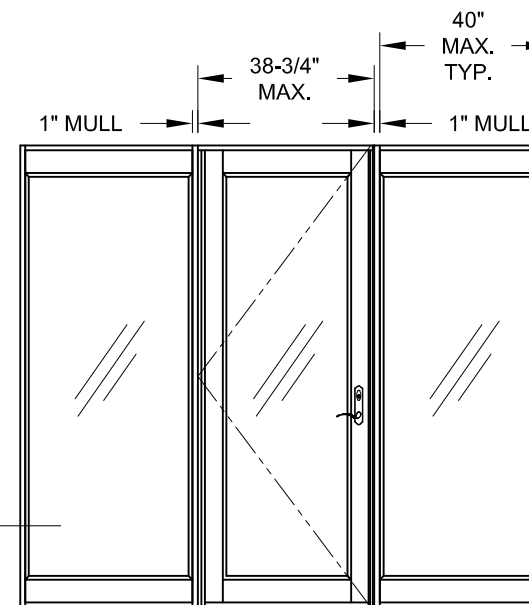
X



XX

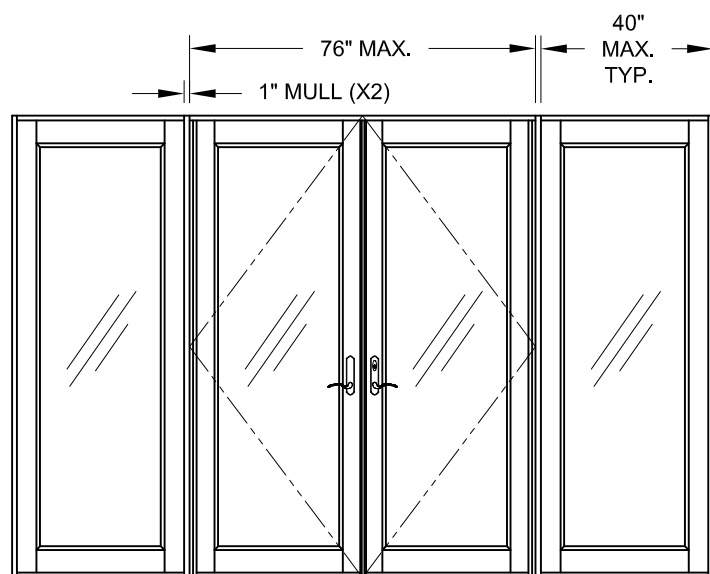


OIX (SHOWN) OR XI O  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)

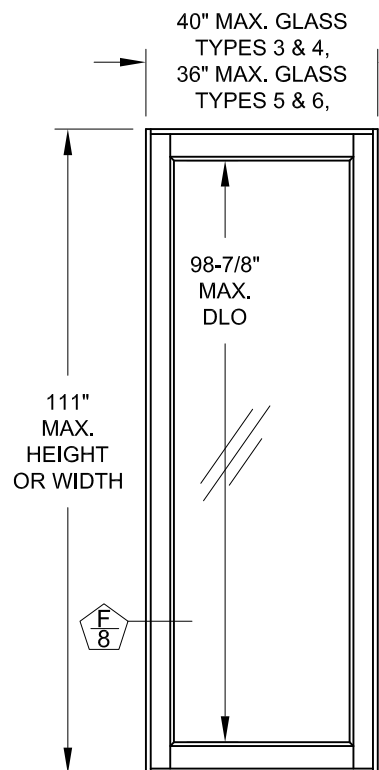


OIXIO  
(NARROW STILES AND WIDE RAILS SHOWN ON SIDELITES)

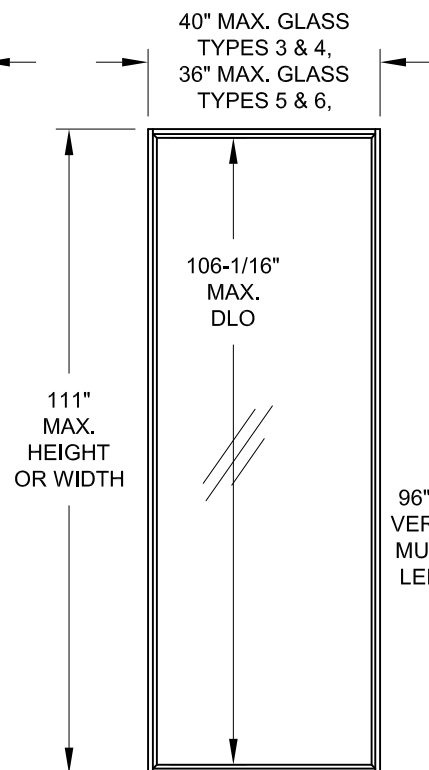
DETAIL SHEET #



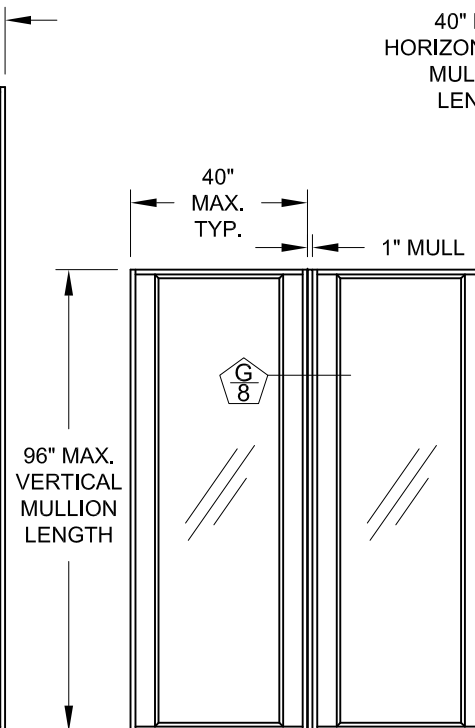
OIXXIO  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)



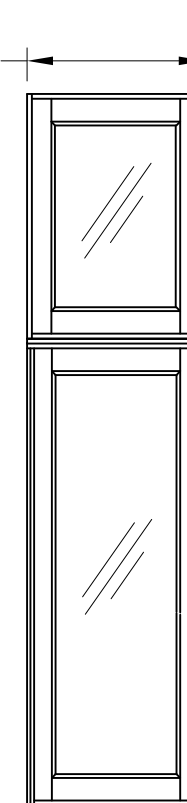
SINGLE O  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)



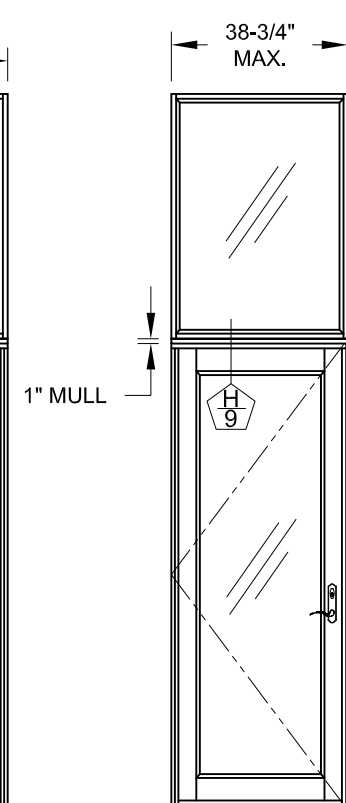
SINGLE O  
(NARROW STILES AND NARROW RAILS SHOWN ON SIDELITES)



OJO (ADDITIONAL MULLED LITES ALLOWED)  
(WIDE STILES AND NARROW RAILS SHOWN ON SIDELITES)



O/O WITH HORIZONTAL MULLION  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITE & TRANSOM)



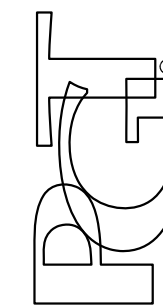
O/X WITH HORIZONTAL MULLION  
(NARROW STILES AND NARROW RAILS SHOWN ON TRANSOM)

- NOTES:**
- 1) SINGLE DOORS MAY BE LEFT OR RIGHT-HANDED.
  - 2) MULLIONS SHOWN ARE STANDARD 1" FRENCH DOOR MULLIONS PER THIS APPROVAL.
  - 3) MULLED CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES, SEE SEPARATE APPROVAL.
  - 4) FRENCH DOOR MULLION IS LIMITED TO 96" IN VERTICAL APPLICATIONS AND 40" IN HORIZONTAL APPLICATIONS.
  - 5) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SLT/TR OR MULLED ASSEMBLY.
  - 6) ADDITIONAL CONFIGURATIONS USING THE 1" FRENCH DOOR MULLION ARE POSSIBLE. USE THE ABOVE DRAWINGS AS A REFERENCE FOR SIZE LIMITATIONS.

COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600



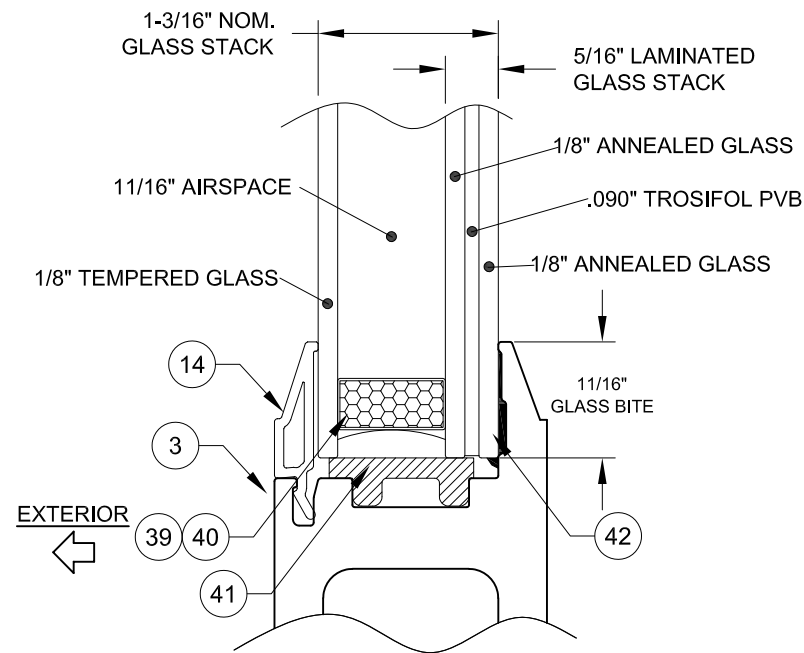
REGISTRATION #29296

VINYL FRENCH DOOR & SIDLITRAN. (LM)	Date	5/7/13	J ROSOWSKI	A
	By			
EXAMPLE CONFIGURATIONS	DWG No.	2 OF 11	TDI-5555.1	A
	Scale	NTS		
Series	FD-5555	Sheet		

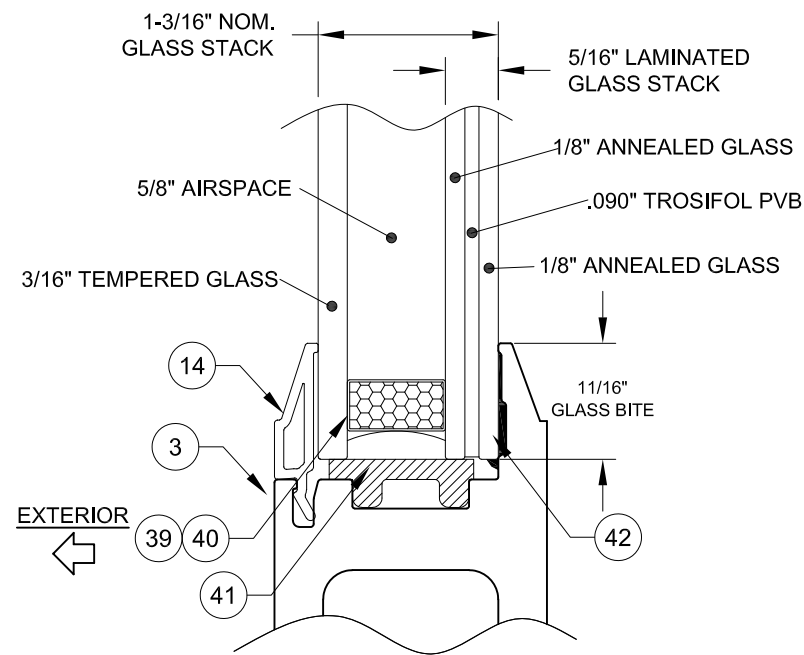
ANTHONY LYNN MILLER  
106954  
LICENSED PROFESSIONAL ENGINEER

A. Lynn Miller 1/25/21  
A. LYNN MILLER, P.E.  
P.E.# 106954

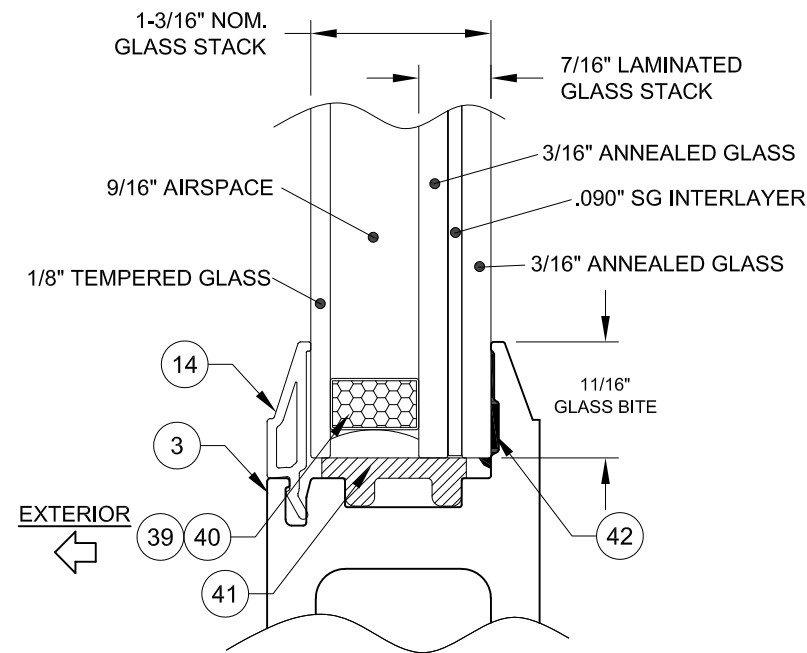
### DOOR GLAZING DETAILS



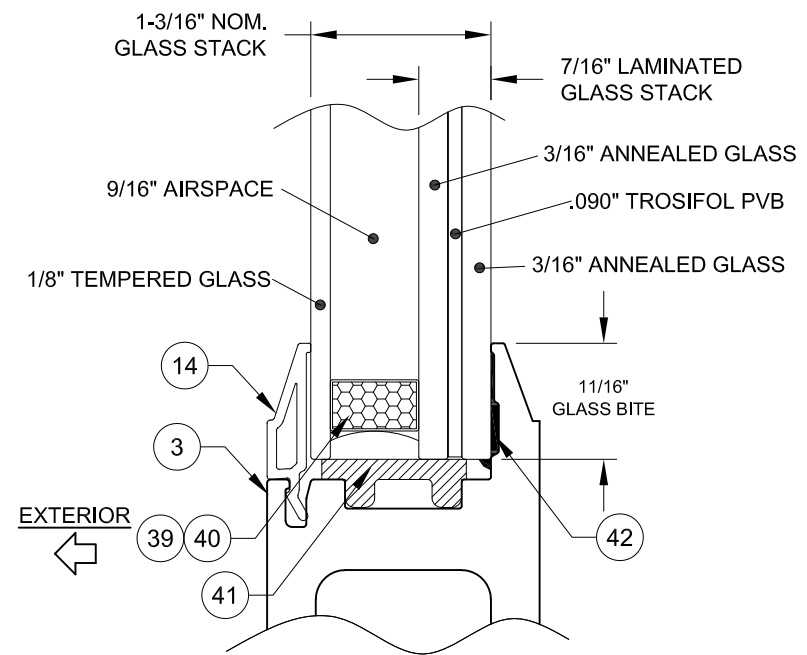
GLASS TYPE 1



GLASS TYPE 2

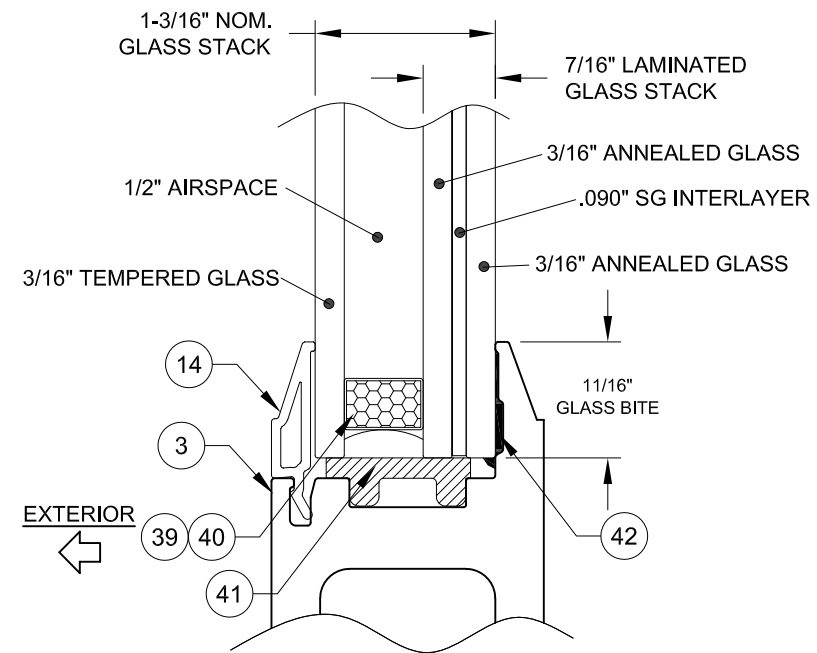


GLASS TYPE 3

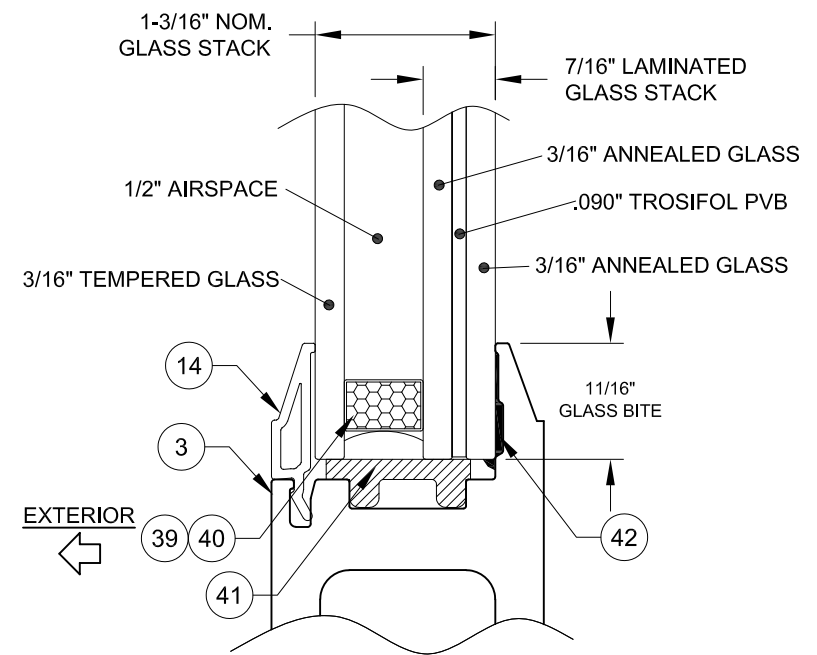


GLASS TYPE 5

### SIDELITE & TRANSOM GLAZING DETAILS



GLASS TYPE 4



GLASS TYPE 6

TROSIFOL PVB & SENTRYGLAS (SG) INTERLAYERS MANUFACTURED BY KURARAY AMERICA, INC.

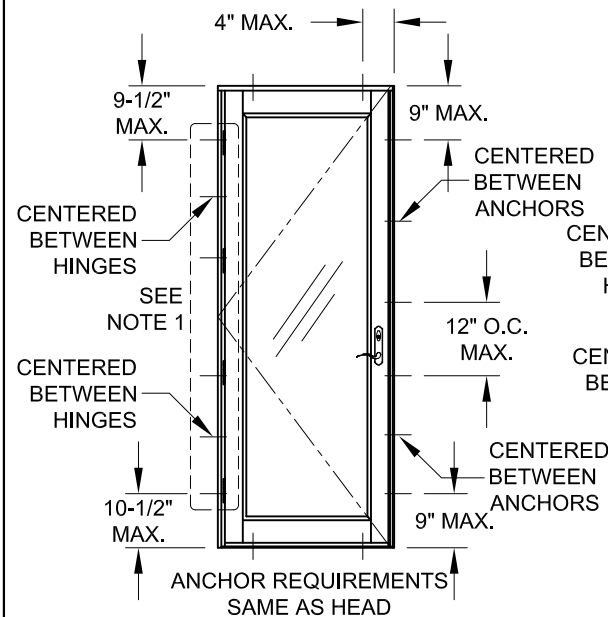
COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

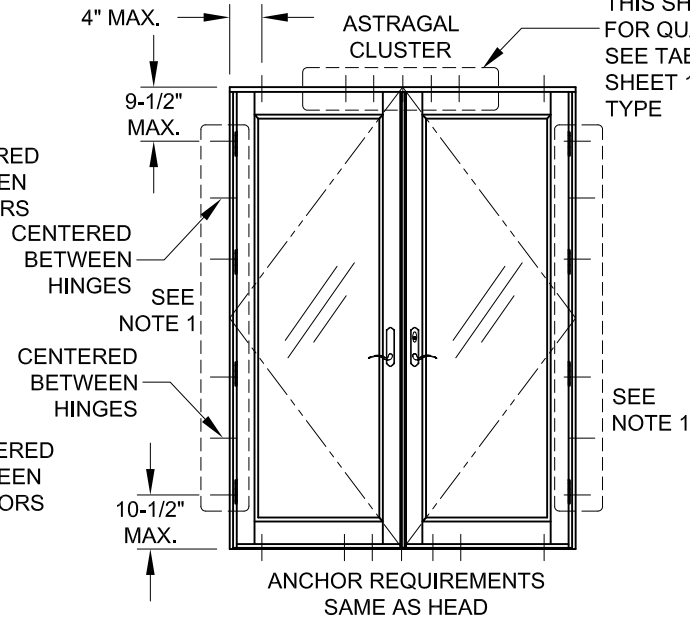
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	REGISTRATION #29296	Date	5/7/13	J ROSOWSKI	Rev.	A	
		Drawn By				DWG No.	TDI-5555.1
		VINYL FRENCH DOOR & SDLT/TRAN. (LM)				Sheet	3 OF 11
		GLAZING DETAILS				Scale	NTS
FD-5555				Series Desc. Title			

*A. Lynn Miller* 1/25/21  
A. LYNN MILLER, P.E.  
P.E.# 106954

**SINGLE DOOR  
INSTALLATION  
(X)**

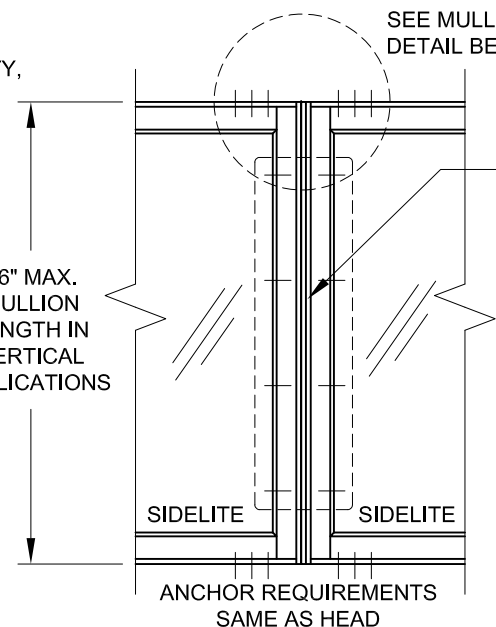


**DOUBLE DOOR  
INSTALLATION  
(XX)**



**SIDELITE-TO-SIDELITE  
MULLION INSTALLATION  
(O|O, O|O|O, ETC.)**

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



**SIDELITE-TO-DOOR  
MULLION INSTALLATION  
(X|O, O|X, X|X, O|X|O, X|O|X, O|XX|O, ETC)**

ATTACH DOORS AND  
SIDELITES TO THE  
MULLION AS PER  
THE INSTRUCTION  
OF THE INDIVIDUAL  
DOOR OR SIDELITE

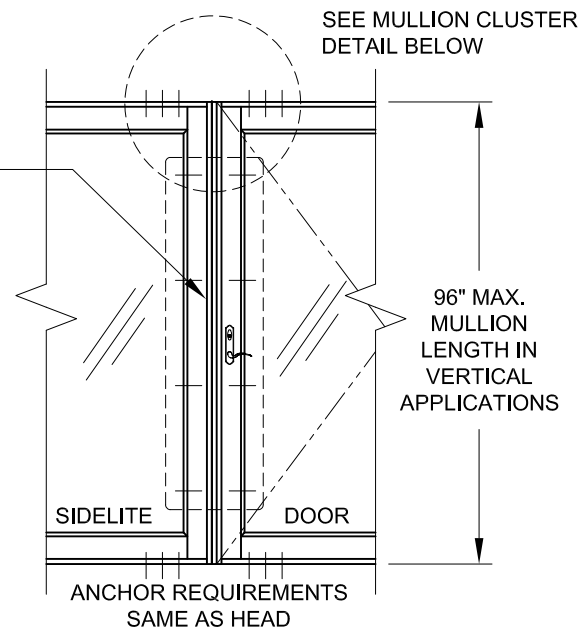


TABLE 5:  
**VERTICAL MULLION  
DESIGN PRESSURE**

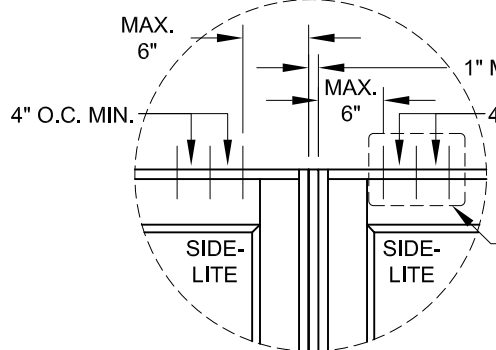
<b>+/-70.0 PSF</b>
--------------------

TABLE 3:  
**DOOR DESIGN PRESSURE**

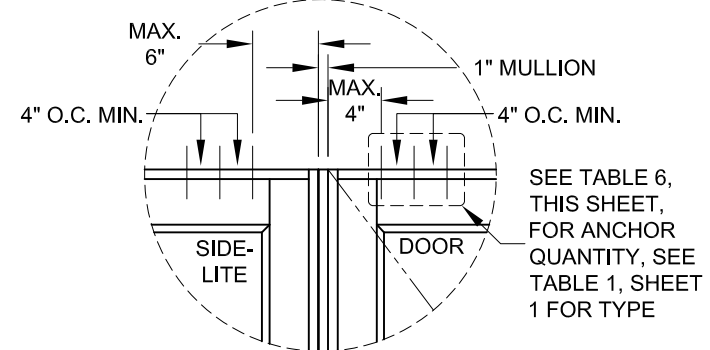
<b>+/-50.0 PSF</b>	Glass Type 1
<b>+/-70.0 PSF</b>	Glass Type 2

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

Door Height (in)	Door Width (in)									
	48		60		72		76			
Anchor Group	A-D	A&B	A&B	C&D	A&B	A&B	C&D	A&B	C	D
80	4	4	4	5	4	5	4	4		
96	4	5	4	6	4	6	5	4		



SEE TABLE 6,  
THIS SHEET,  
FOR ANCHOR  
QUANTITY, SEE  
TABLE 1, SHEET  
1 FOR TYPE



SEE TABLE 6,  
THIS SHEET,  
FOR ANCHOR  
QUANTITY, SEE  
TABLE 1, SHEET  
1 FOR TYPE

TABLE 6:  
**Anchors Required for a Vertical Mullion (each mullion end)**

Mullion Height (in)	Door or Sidelite/Transom Width (in)											
	12		24		32		38-3/4		40			
Anchor Group	A-D	A-C	A-C	A&B	A&B	C	C	D	A&B	A&B	C	D
Door	N/A	2	1	2	2	1	3	2	1	N/A	N/A	N/A
SLT/TR	1	2	1	2	2	1	3	2	1	3	2	1
Door	N/A	2	1	3	2	1	3	3	2	N/A	N/A	N/A
SLT/TR	1	2	1	3	2	1	3	3	2	3	3	2

FOR "O|XX|O"  
AND SIMILAR  
CONFIGURATIONS  
CONTAINING A  
DOUBLE DOOR  
(XX), USE  
ONLY HALF OF  
THE FRAME  
WIDTH OF THE  
DOUBLE DOOR  
WHEN USING  
THIS TABLE.

**INSTRUCTIONS:**  
1) DOOR HINGE JAMBS OF ALL HEIGHTS TO ALWAYS BE ANCHORED WITH SIX ANCHORS. SEE TABLE 1, SHEET 1, FOR ALL APPROVED ANCHORS. FOUR OF THE SIX ANCHORS MUST BE INSTALLED THROUGH THE HINGES, ONE AT EACH HINGE LOCATION (RECOMMENDED #10 FLATHEAD SMS OR 3/16" FLATHEAD ULTRACON FOR EACH HINGE ANCHOR).  
2) FOR A MULLED UNIT, DETERMINE THE DESIGN PRESSURE OF EACH COMPONENT IN THAT CONFIGURATION. FOR EXAMPLE, ON AN "X|O" CONFIGURATION, THE DP FOR THE DOOR, THE MULLION AND THE SIDELITE MUST EACH BE DETERMINED. THE LOWEST DP APPLIES TO THE ENTIRE ASSEMBLY.

**NOTES:**  
1) SINGLE DOOR MAY BE LEFT OR RIGHT-HANDED.  
2) MULLIONS SHOWN ARE STANDARD 1" FRENCH DOOR MULLIONS.  
3) MULLED CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES, SEE SEPARATE APPROVAL. THE LOWEST COMPONENT DP IS TO BE THE OVERALL ASSEMBLY DP.  
4) FRENCH DOOR MULLION IS LIMITED TO 96" IN VERTICAL APPLICATIONS AND 40" IN HORIZONTAL APPLICATIONS.  
5) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SIDELITE/TRANSOM OR MULLED ASSEMBLY.  
6) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

**TRANSOM-TO-DOOR (X/O) OR TRANSOM-TO-SIDELITE (O/O)  
MULLION ATTACHMENT & INSTALLATION**

ATTACH DOORS,  
SIDELITES &  
TRANSOMS TO THE  
MULLION AS PER  
THE INSTRUCTION  
OF THE INDIVIDUAL  
PRODUCT

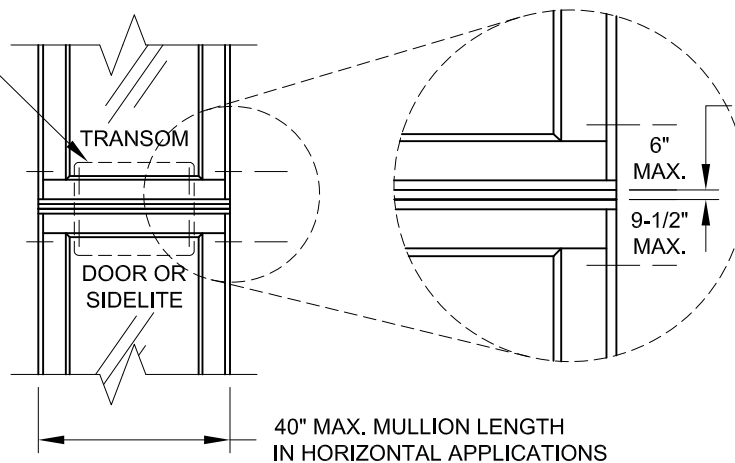


TABLE 7:  
**HORIZONTAL MULLION  
DESIGN PRESSURE**

<b>+/-70.0 PSF</b>
--------------------

COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600

REGISTRATION #29296

VINYL FRENCH DOOR & SLT/TRAN. (LM)

J ROSOWSKI

DESIGN PRESSURE 1

FD-5555

4 OF 11

TDI-5555.1

5/7/13

5/7/13

NTS

Scale

Sheet

Series

Desc.

Title

ANTHONY LYNN MILLER  
106954  
LICENSED  
PROFESSIONAL ENGINEER

A. Lynn Miller 1/25/21  
A. LYNN MILLER, P.E.  
P.E.# 106954

## SIDELITE/TRANSOM INSTALLATION (O)

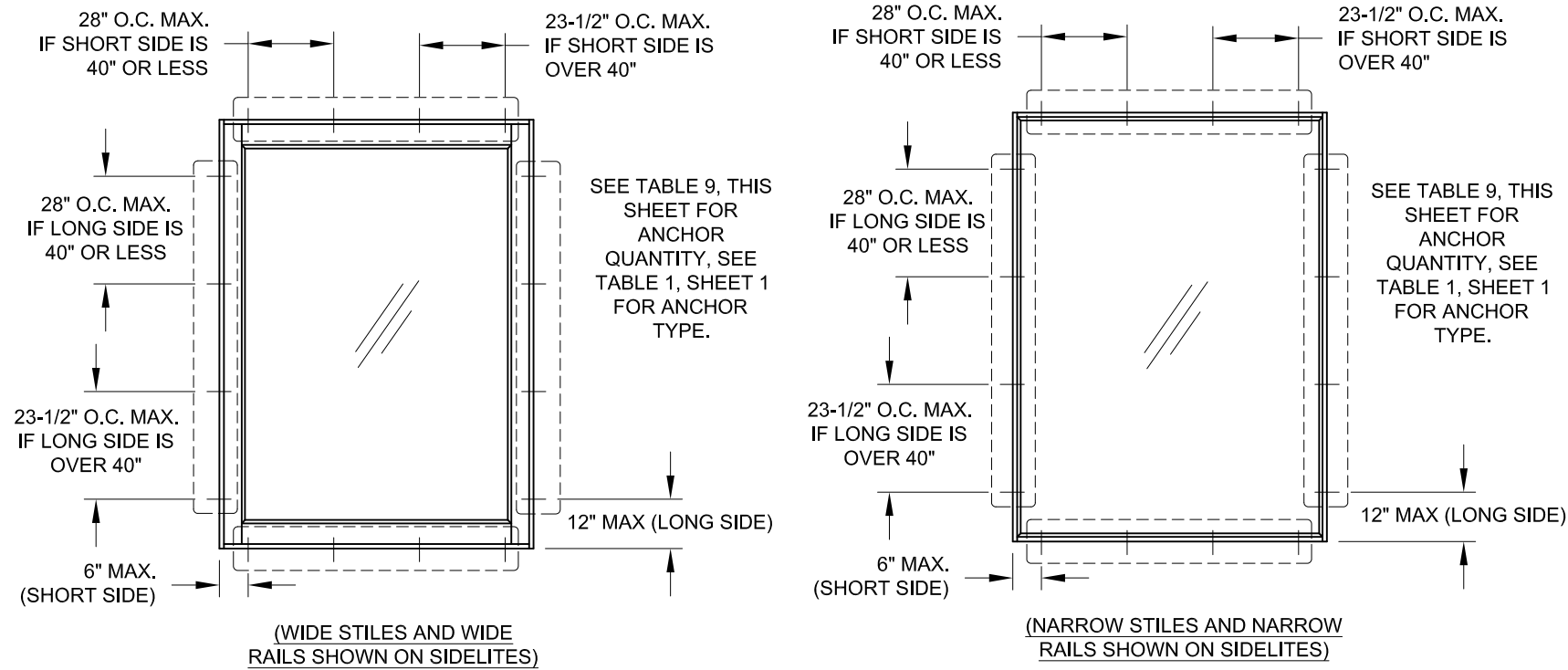


TABLE 8:  
**WINDOW DESIGN PRESSURE**

<b>+/-70.0 PSF</b>	All Glass Types
--------------------	-----------------

- NOTES:**
- 1) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SIDELITE/TRANSOM OR MULLED ASSEMBLY.
  - 2) SIDELITE/TRANSOM MAY BE A SINGLE, STAND-ALONE UNIT.
  - 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

TABLE 9:

		Sidelite/Transom Anchor Quantity																														
		Long Side (in)																														
		63-3/16		66-5/8		68		70		72		76		78		82		84		88		92		96		98		104		108		111
Short Side (in)		Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups B-D	Anchor Group A	Anchor Groups 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	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	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	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	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	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	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	2	2	2	2	2	2	2	2	2	
	Long Side	4	4	5	4	5	4	5	4	5	4	5	4	5	4	6	4	6	5	6	5	7	5	7	5	7	5	8	5	7	6	8
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	2	2	2	2	2	2	2	2	2	
	Long Side	4	4	5	4	5	4	5	4	5	4	6	4	6	4	6	5	7	5	7	5	8	5	8	5	8	5	9	6	8	9	6
40	Short Side	2	2	2	2	2	2	2	2	2	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	5	4	5	4	5	4	5	4	6	4	6	4	6	5	7	5	7	5	8	5	8	5	9	6	9	6	9	6	

COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600

REGISTRATION #29296

5/7/13

J ROSOWSKI

TDI-5555.1

5 OF 11

5/7/13

REGISTRATION #29296

VINYL FRENCH DOOR & SDLT/TRAN. (LM)

SLT/TR ANCHOR QUANTITIES

FD-5555

NTS

Scale

Sheet

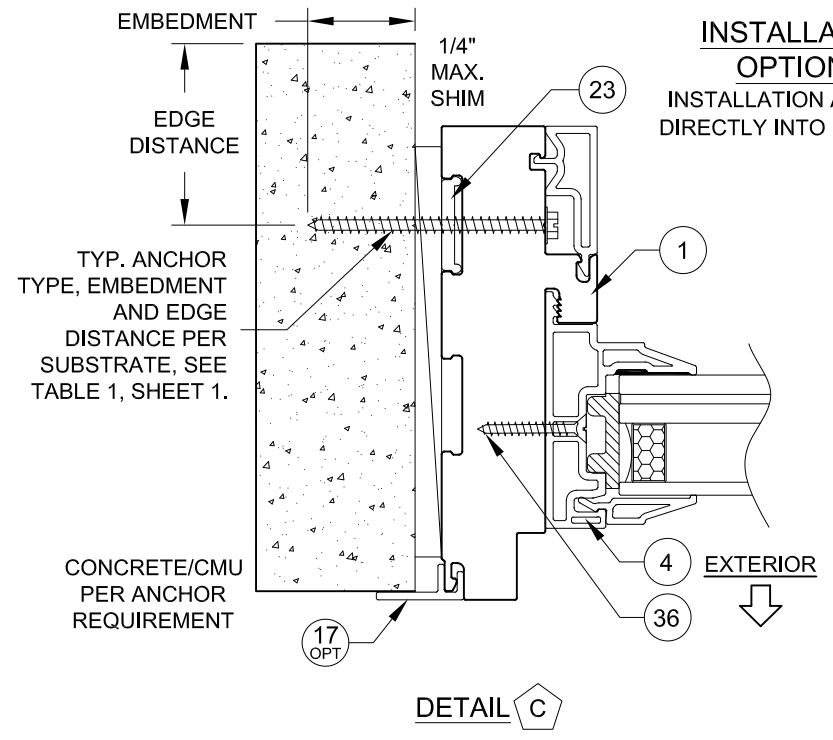
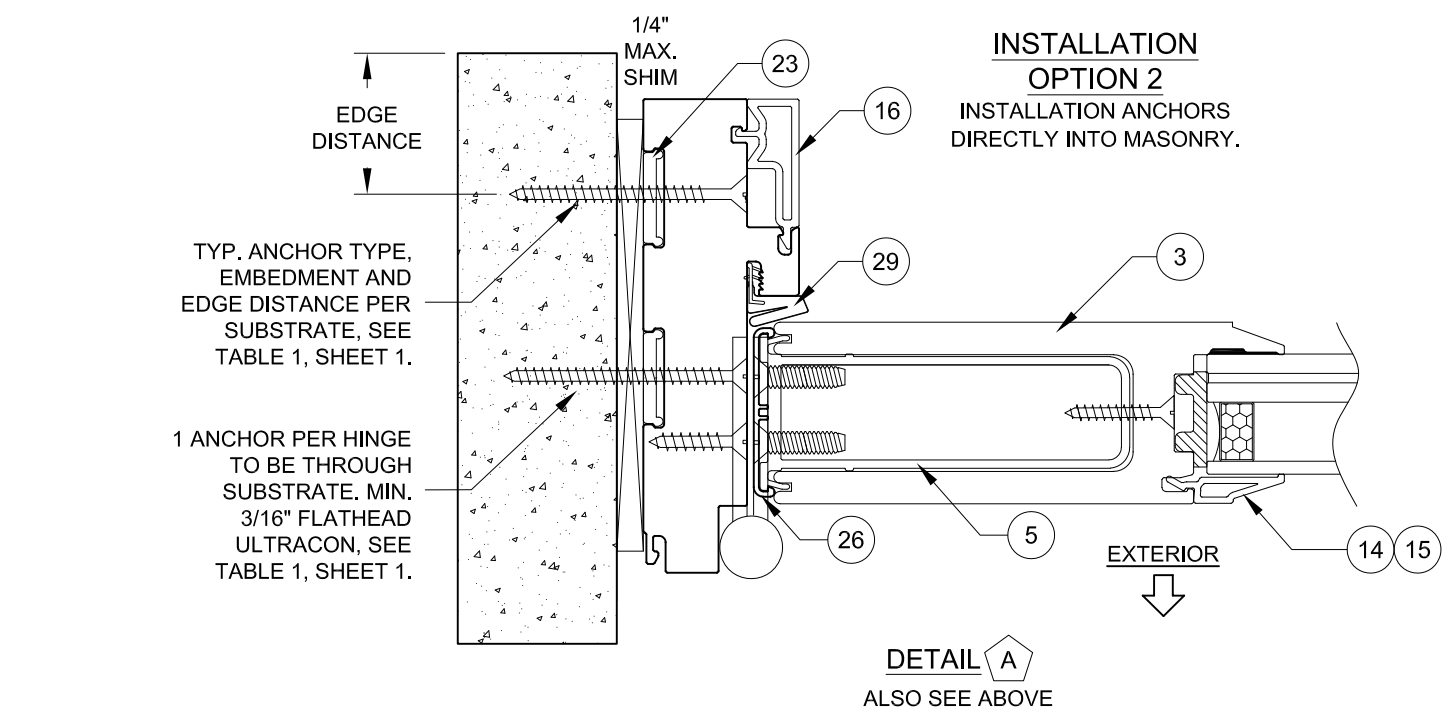
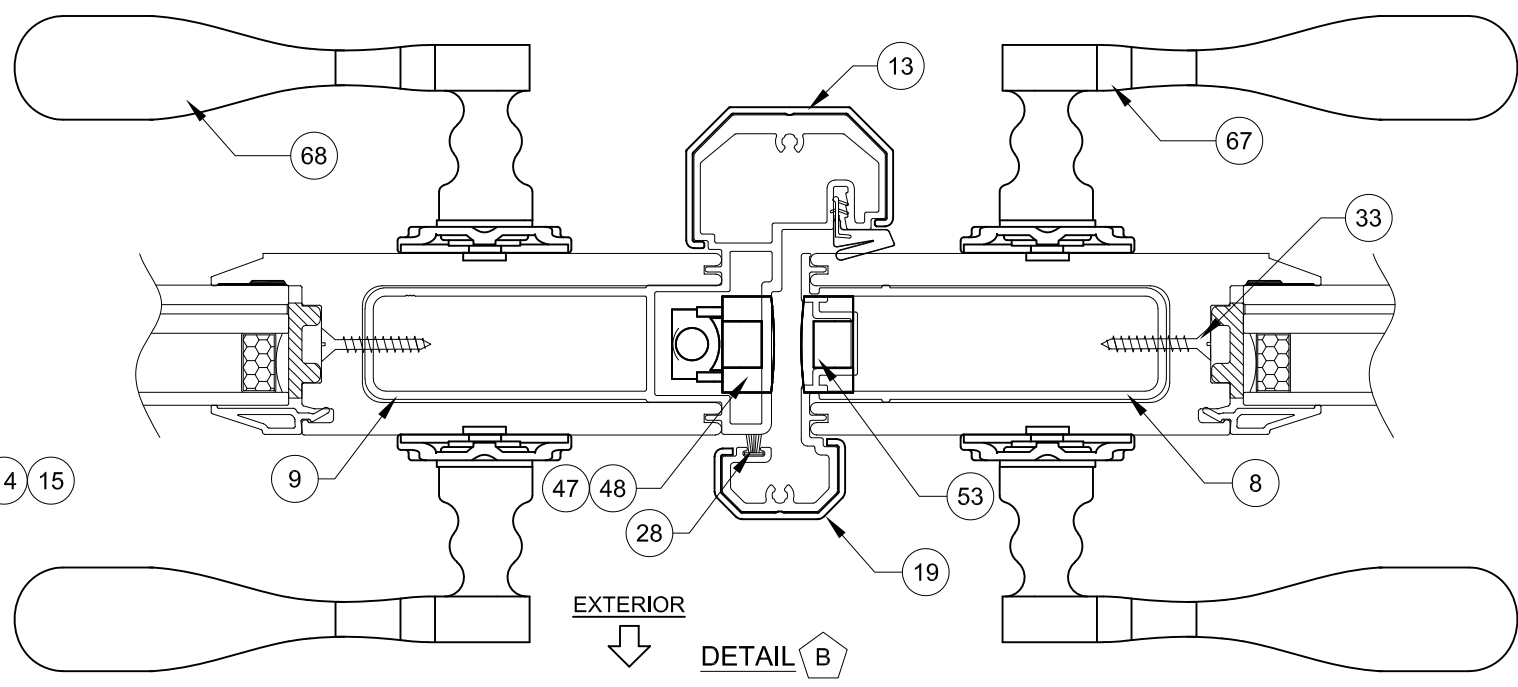
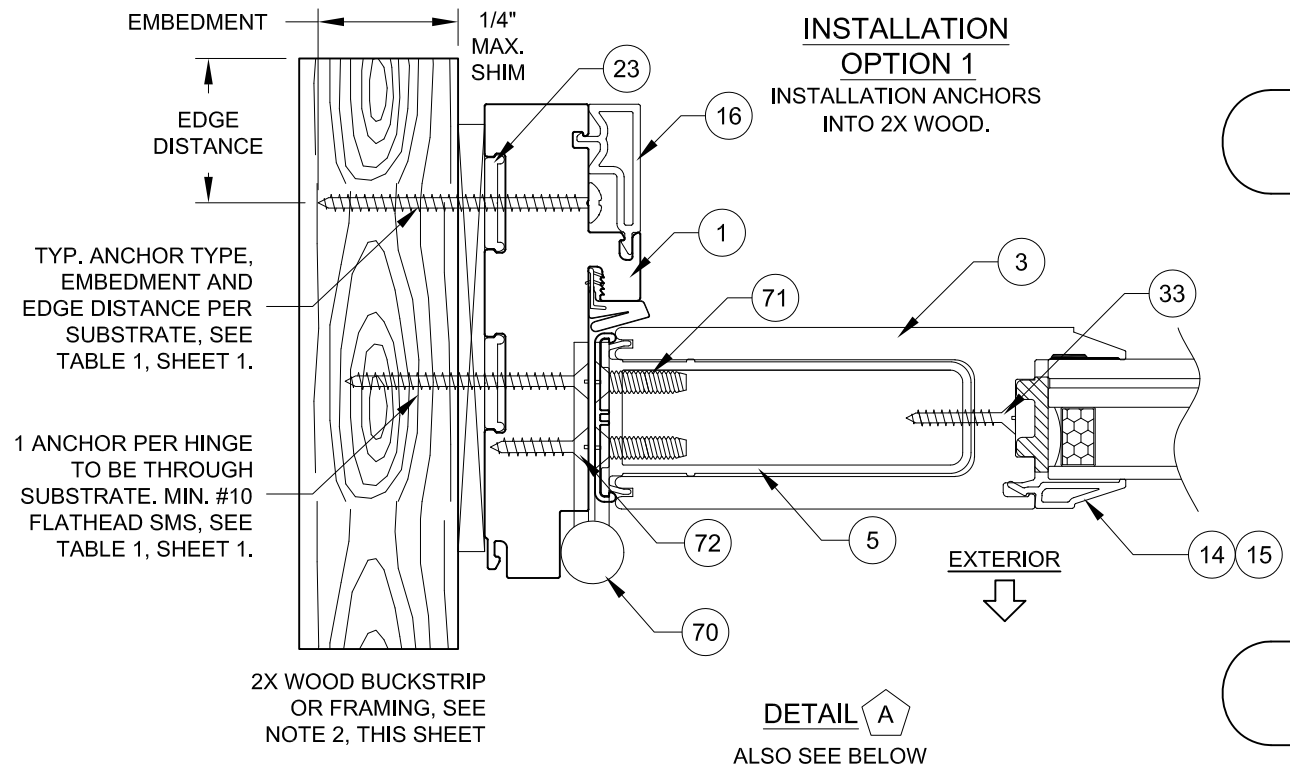
DWG No.

Rev.

A

ANTHONY LYNN MILLER  
106954  
LICENSED  
PROFESSIONAL ENGINEER

A. Lynn Miller 1/25/21  
A. LYNN MILLER, P.E.  
P.E.# 106954

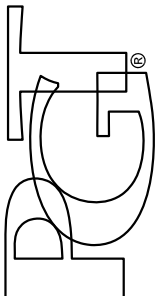


**INSTALLATION NOTES:**

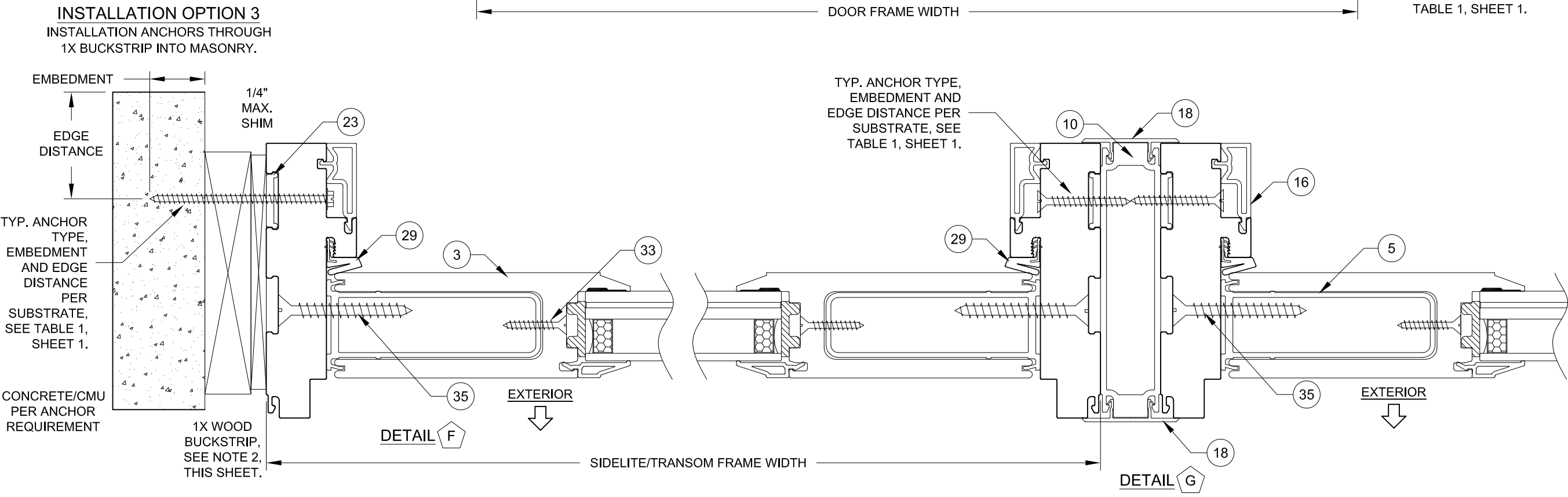
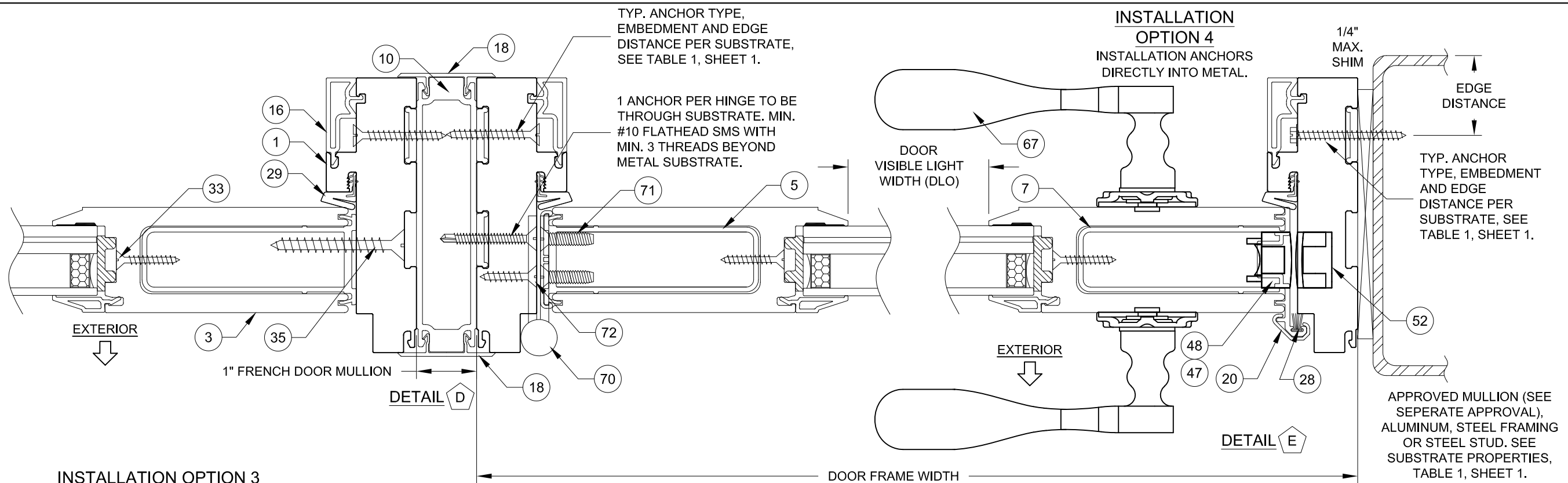
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
- 2) WOOD BUCKS DEPICTED ON THIS SHEET AS "1X", ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO MASONRY. WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 3) FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE FRAME OF THE DOOR, SIDELITE OR TRANSOM.
- 4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.

COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	REGISTRATION #29296	Date	5/7/13	J ROSOWSKI	Rev.	A
		Drawn By			TDI-5555.1	
	VINYL FRENCH DOOR & SIDL/TRAN. (LM)	INSTALLATION 1	FD-5555	DWG No.	6 OF 11	Sheet
				Scale	NTS	
			Series	Title		

*A. Lynn Miller* 1/25/21  
A. LYNN MILLER, P.E.  
P.E.# 106954

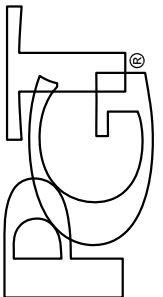


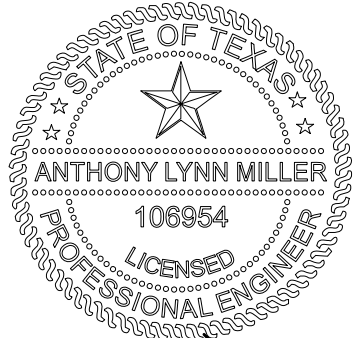
**INSTALLATION NOTES:**

- 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 BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO MASONRY. WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 3) FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE FRAME OF THE DOOR, SIDELITE OR TRANSOM.
- 4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.

COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

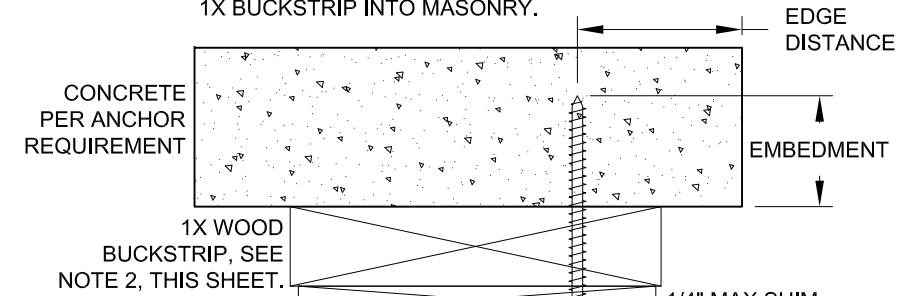
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	REGISTRATION #29296	Date	5/7/13	J ROSOWSKI	A
		By			
	VINYL FRENCH DOOR & SDLT/TRAN. (LM)	DWG No.	7 OF 11	TDI-5555.1	Rev.
		Scale	NTS		
Series	Desc.	Title	INSTALLATION 2		



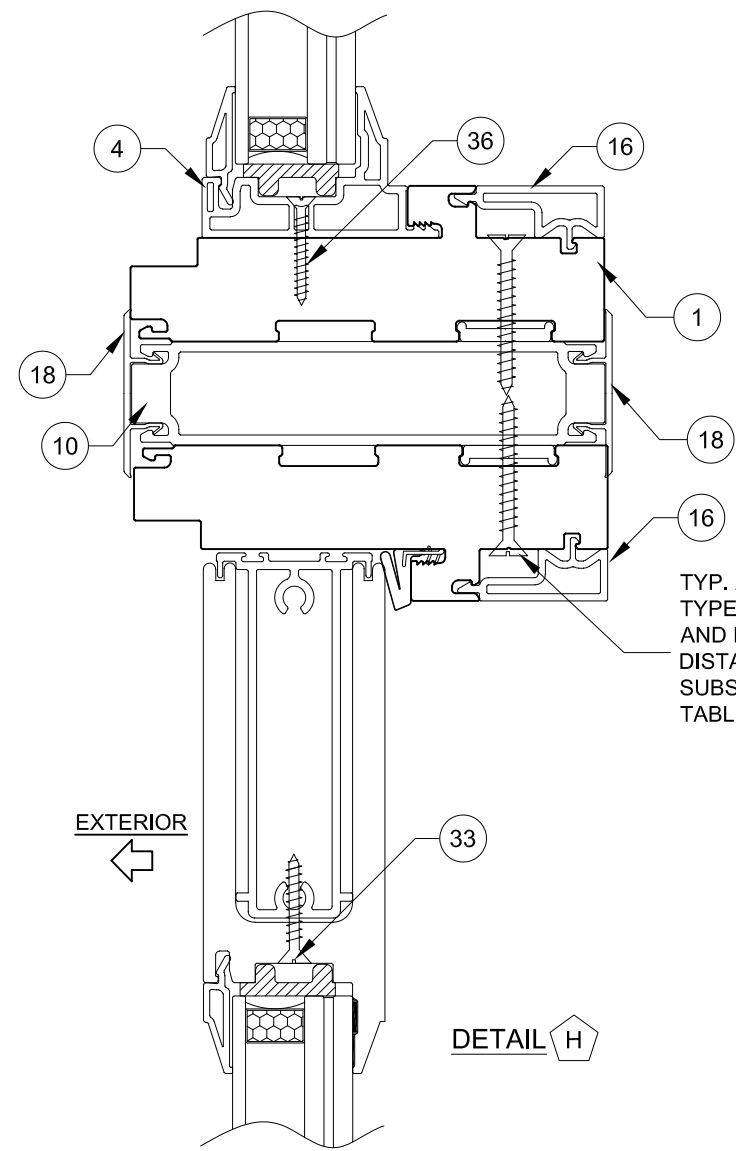
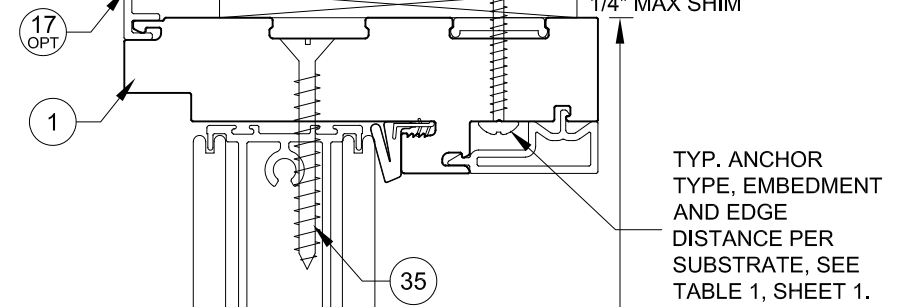
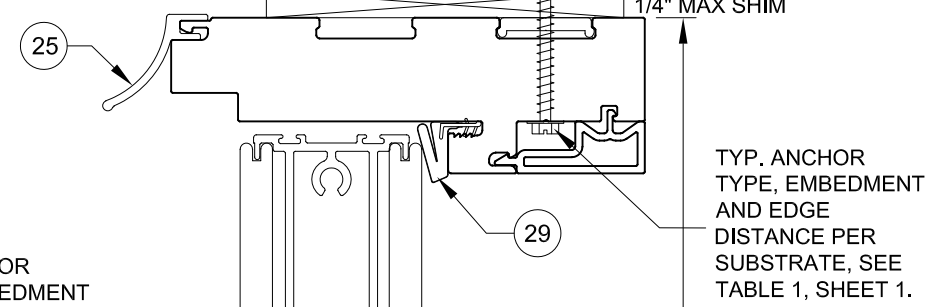
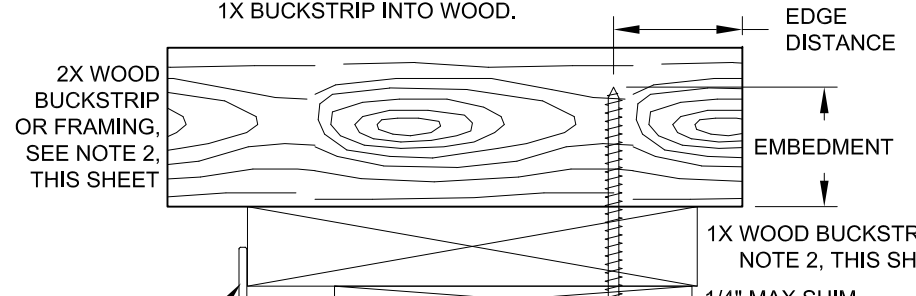
ANTHONY LYNN MILLER  
106954  
LICENSED  
PROFESSIONAL ENGINEER

*A. Lynn Miller* 1/25/21  
A. LYNN MILLER, P.E.  
P.E.# 106954

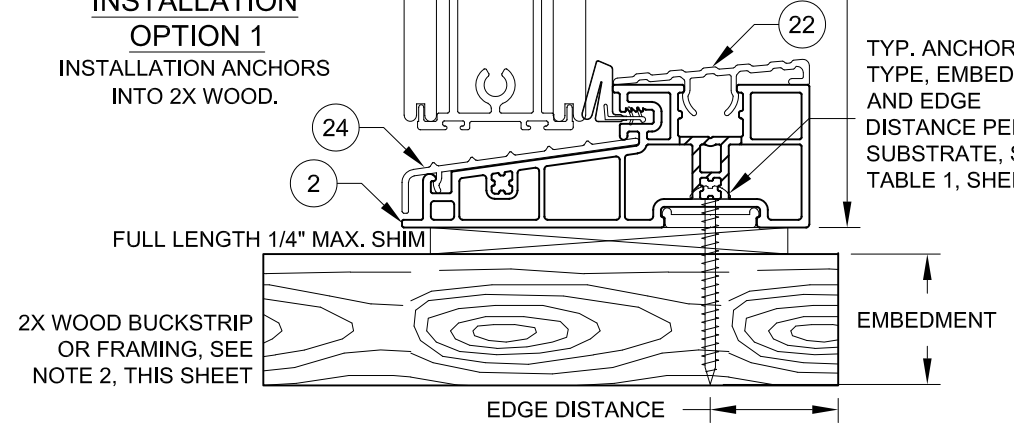
**INSTALLATION OPTION 3**  
INSTALLATION ANCHORS THROUGH  
1X BUCKSTRIP INTO MASONRY.



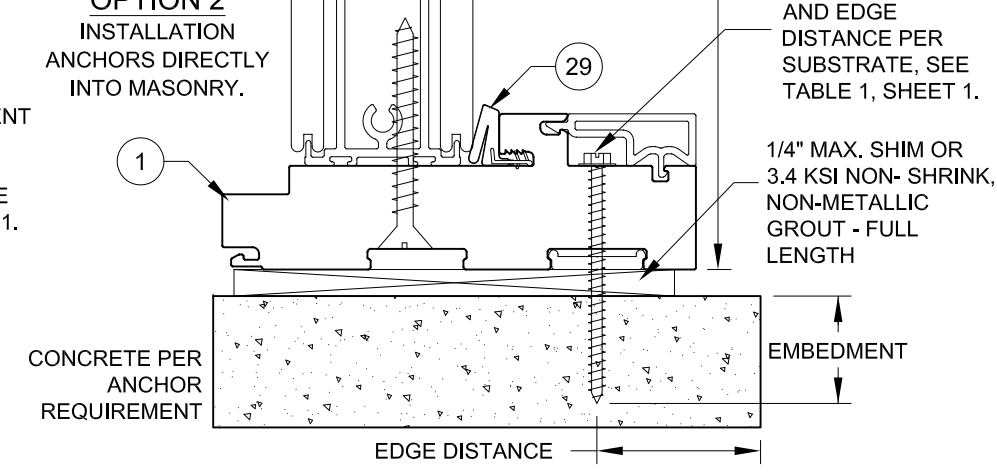
**INSTALLATION OPTION 4**  
INSTALLATION ANCHORS THROUGH  
1X BUCKSTRIP INTO WOOD.



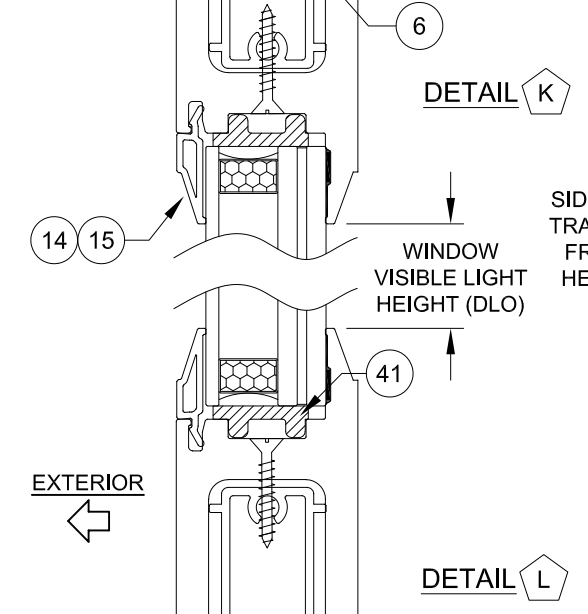
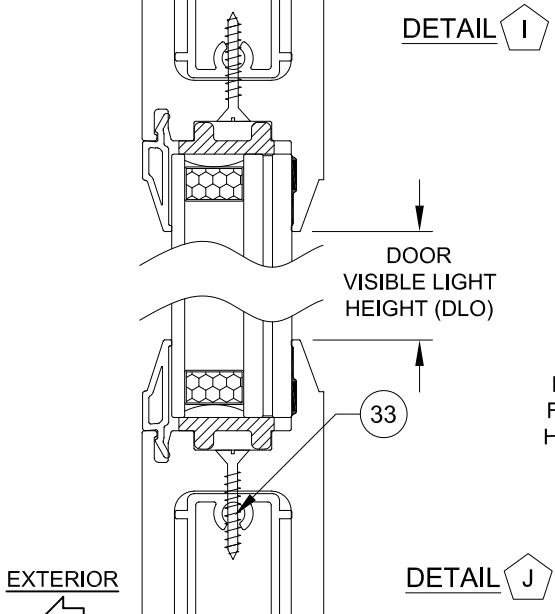
**INSTALLATION OPTION 1**  
INSTALLATION ANCHORS  
INTO 2X WOOD.



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



- 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 BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO MASONRY. WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
  - 3) FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE FRAME OF THE DOOR, SIDELITE OR TRANSOM.
  - 4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.

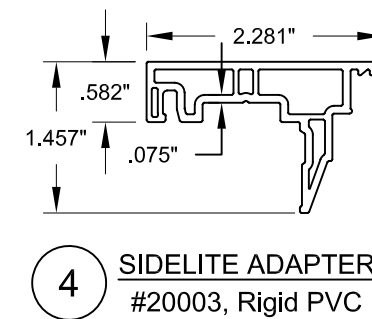
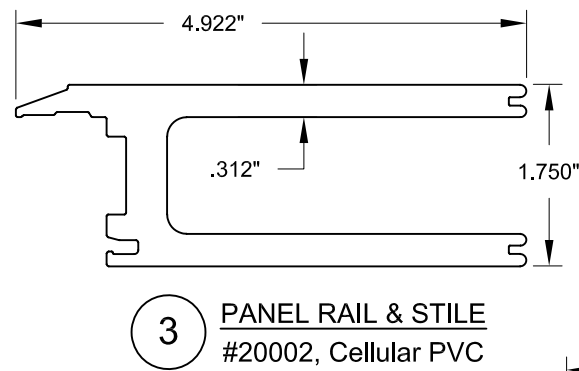
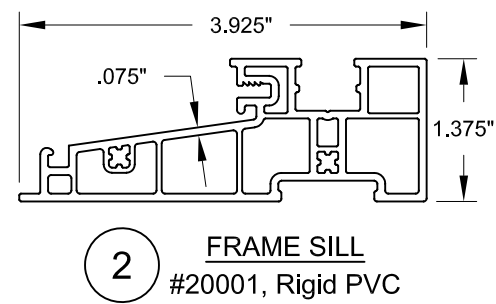
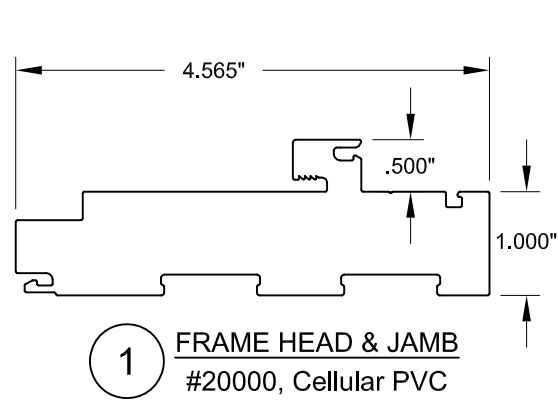


COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	REGISTRATION #29296	Date	5/7/13	J ROSOWSKI	A
		By			
VINYL FRENCH DOOR & SDLT/TRAN. (LM)	INSTALLATION 3	DWG No.	8 OF 11	TDI-5555.1	A
		Scale	NTS		
FD-5555		Series			



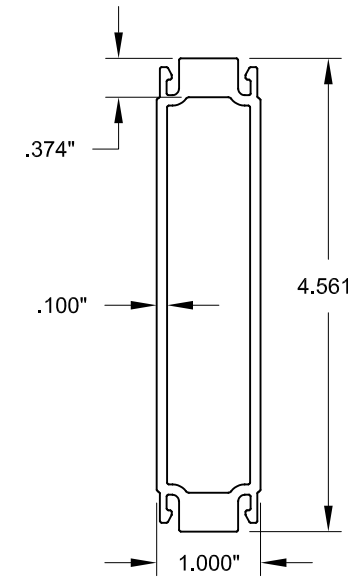
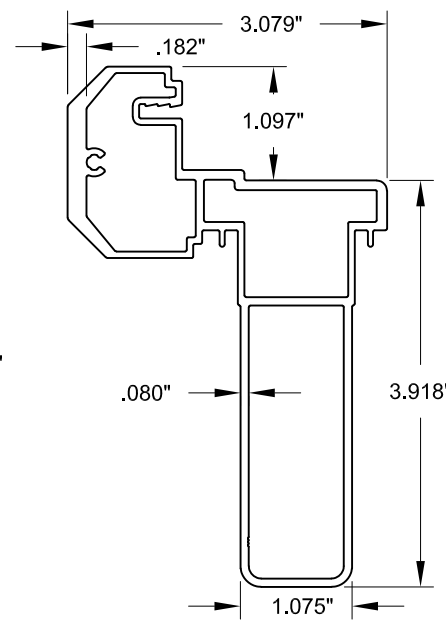
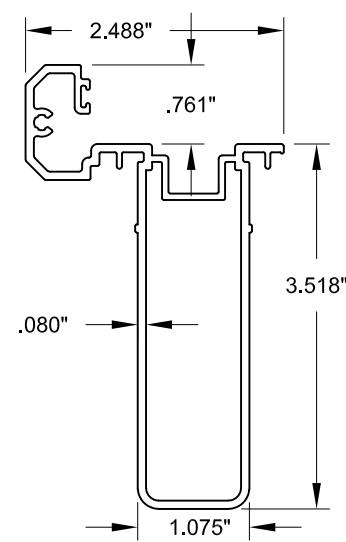
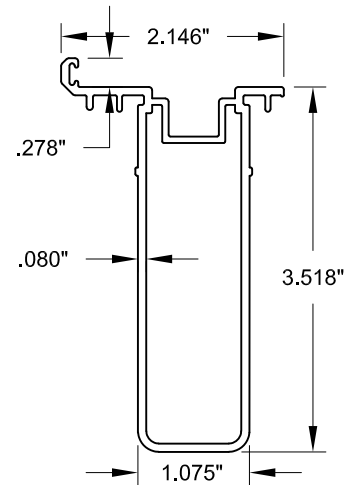
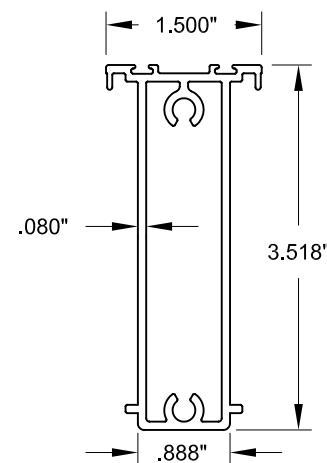
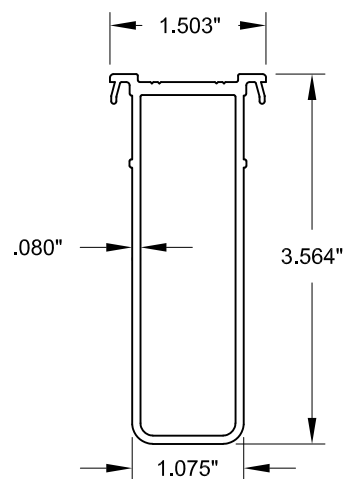


**1** FRAME HEAD & JAMB  
#20000, Cellular PVC

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

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

**4** SIDELITE ADAPTER  
#20003, Rigid PVC



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

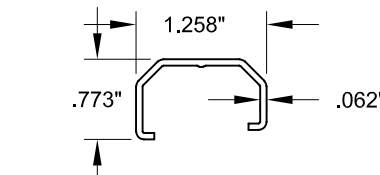
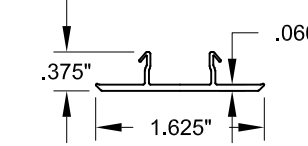
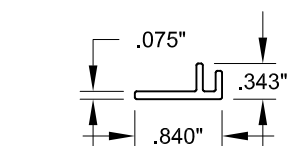
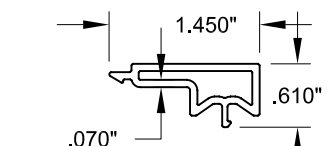
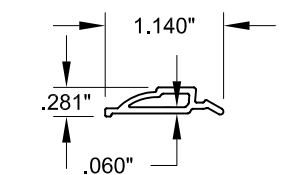
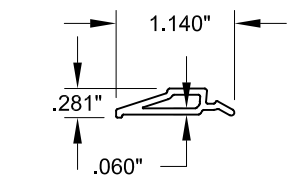
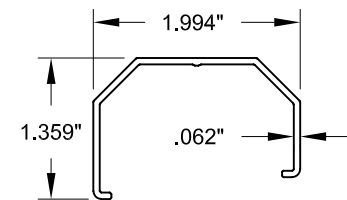
**6** TOP & BOTTOM RAIL REINFORCEMENT  
#20014, 6063-T6

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

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

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

**10** 1\"/>



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

**14** BEVELED BEAD  
#20005, Rigid PVC

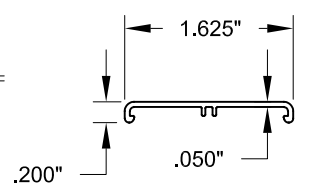
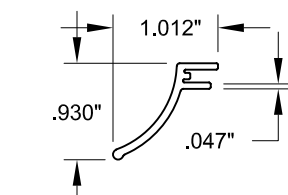
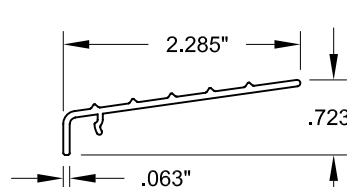
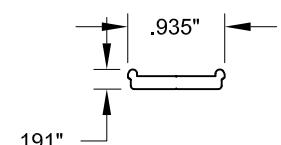
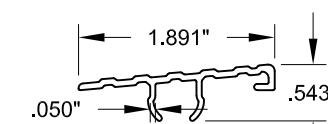
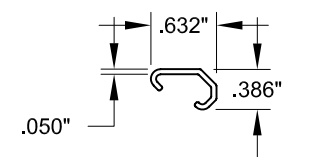
**15** OGEE BEAD  
#20006, Rigid PVC

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

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

**18** 1\"/>

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



**20** SINGLE DOOR ASTRAGAL COVER  
#20012, Rigid PVC

**22** SILL SCREW CAP  
#20057A, 6063-T6

**23** ANCHOR PLATE  
#19031, 6063-T6

**24** THRESHOLD CAP  
#20020, 6063-T6

**25** DRIP CAP  
#20021, RIGID PVC

**26** HINGE TRIM COVER  
#20023, Rigid PVC

COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600

REGISTRATION #29296

5/7/13

J ROSOWSKI

TDI-5555.1

9 OF 11

9

9

A

	VINYL FRENCH DOOR & SIDL/TRAN. (LM) EXTRUSIONS	Date	No.	Rev.
		Scale	Sheet	A
FD-5555	NTS	9 OF 11	TDI-5555.1	A

STATE OF TEXAS  
ANTHONY LYNN MILLER  
106954  
LICENSED  
PROFESSIONAL ENGINEER

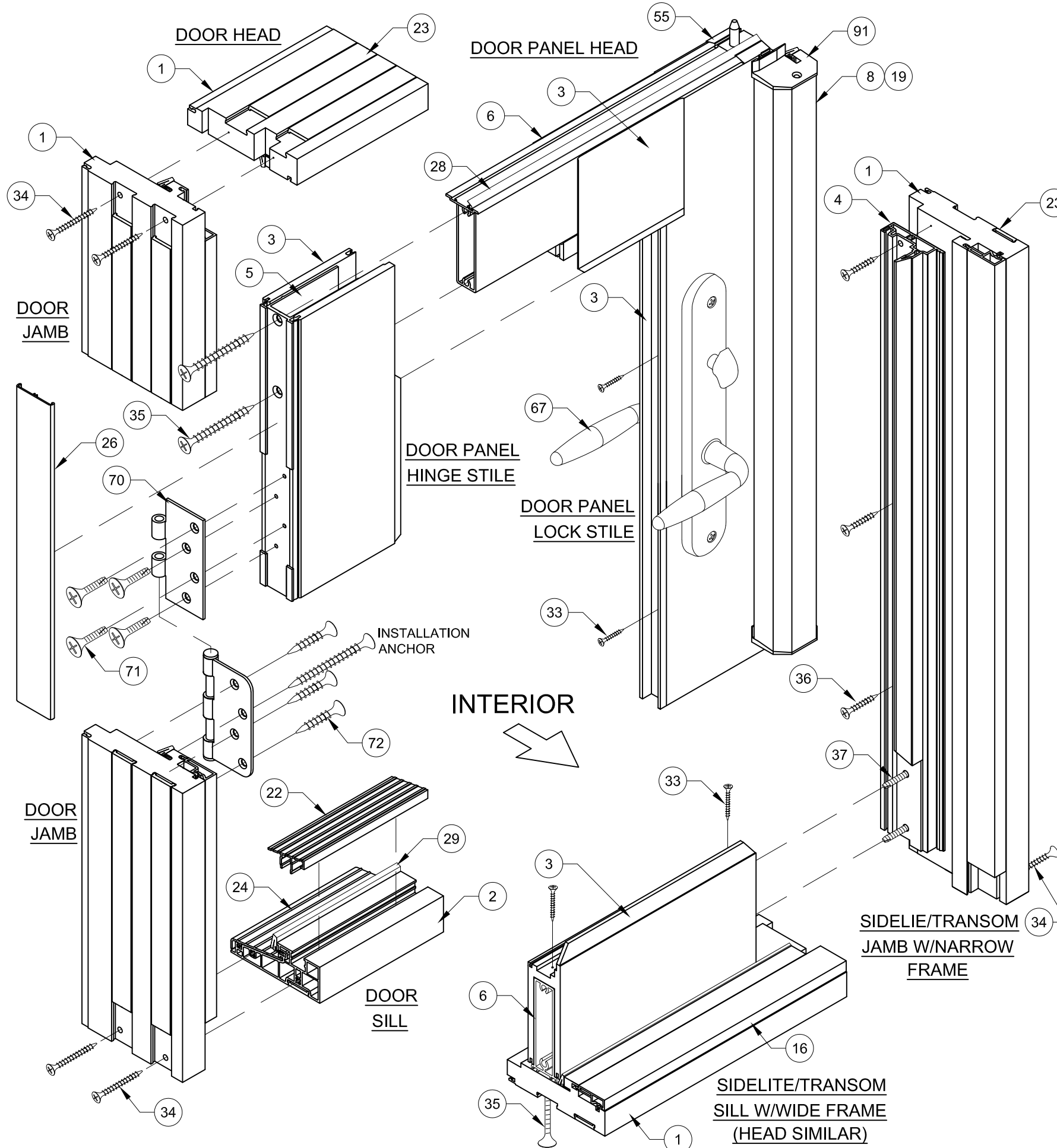
A. Lynn Miller 1/25/21  
A. LYNN MILLER, P.E.  
P.E.# 106954

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	Alum., 6063-T6
9	20017	Inactive Astragal	Alum., 6063-T6
10	20022	1" French Door Mullion	Alum., 6063-T6
13	20004	Inactive Astragal Cover	Rigid PVC
14	20005	1-1/16" Bevel Bead	Rigid PVC
15	20006	1-1/16" Ogee Bead	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	19009	Sill Screw Cover	Alum., 6063-T6
23	19031	Anchor Plate	Alum., 6063-T6
24	20020	Threshold Cover	Alum., 6063-T6
25	20021	Drip Cap	Rigid PVC
26	20023	Hinge Trim Cover	Rigid PVC
28		Fin Weatherstrip	
29	1671/3	Frame Weatherstrip	
31	714FPT410XW	Frame-to-Wide Slab Screw: #14 X 1-1/2" Phil. FH	Stainless Steel
32	7S101X	Frame-to-Narrow Slab Screw: #10 X 1" Phil. FH	Stainless Steel
33	78X1FPT410	Reinforcement Screw: #8 X 1" Phil. FH	Stainless Steel
34	710X2FPAX	Frame Assembly Screw: #10 X 2" Phil. FH	Stainless Steel
35	714FPT410XW	W-W Slab Assembly Screw: #14 X 1-1/2" Phil. FH	Stainless Steel
36	7S101X	N-N Slab Assembly Screw: #10 X 1" Phil. FH	Stainless Steel
37	71420X2.25	N-W Slab Assembly Screw: #14 X 2-1/4" Phil. FH	Stainless Steel
39		DuraSeal Spacer	
40	62689	SuperSpacer	
41	720026	Setting Block, (Duro.=85 +/- 5)	EPDM
42		Backbedding: Dow-791, 983, 995 or GE-7700	Silicone
43		Argon Gas	
44	6HL5140	Hot Melt Butyl	
47 - 73 see Hardware BOM, Table 9, Sheet 12			
90	20033	Inactive Astragal Cap	Acetal
91	20035	Active Astragal Cap	Acetal

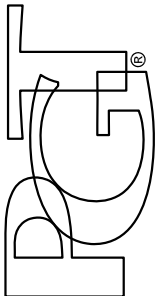
**DAYLITE OPENING (DLO) SIZES**

WHEN USING PART # 3: (WIDE RAILS OR STILES)  
 X DOOR FRAME HEIGHT - 12.1 = DLO HEIGHT  
 X DOOR FRAME WIDTH - 12.3 = DLO WIDTH  
 (XX DOOR FRAME HEIGHT) - 12.1 = DLO HEIGHT  
 (XX DOOR FRAME WIDTH / 2) - 11.5 = DLO WIDTH  
 SLT/TR FRAME HEIGHT - 12.1 = DLO HEIGHT  
 SLT/TR FRAME WIDTH - 12.1 = DLO WIDTH  
 WHEN USING PART # 4: (NARROW RAILS OR STILES)  
 SLT/TR FRAME HEIGHT - 4.9 = DLO HEIGHT  
 SLT/TR FRAME WIDTH - 4.9 = DLO WIDTH



COPYRIGHT © 2021  
 PGT INDUSTRIES, INC.  
 LIMITED LICENSE TO MAKE  
 COPIES FOR PERMITTING.

Revision  
 A) UPDATED TO NEW BUILDING  
 CODE, ADDED ANCHOR TYPE,  
 REVISED TABLES 1, 4 & 6 - JR -  
 01/22/21

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	REGISTRATION #29296	Date	5/7/13	Rev.	A
		By	J ROSOWSKI	DWG No.	TDI-5555.1
 VINYL FRENCH DOOR & SIDLITRAN. (LM) CORNER DETAILS AND BOM	CORNER DETAILS AND BOM	Scale	NTS	Sheet	10 OF 11
		Series	FD-5555	Desc.	

STATE OF TEXAS  
 ANTHONY LYNN MILLER  
 106954  
 LICENSED PROFESSIONAL ENGINEER  
 A. Lynn Miller 1/25/21  
 A. LYNN MILLER, P.E.  
 P.E.# 106954

## HARDWARE DETAILS & LOCATIONS

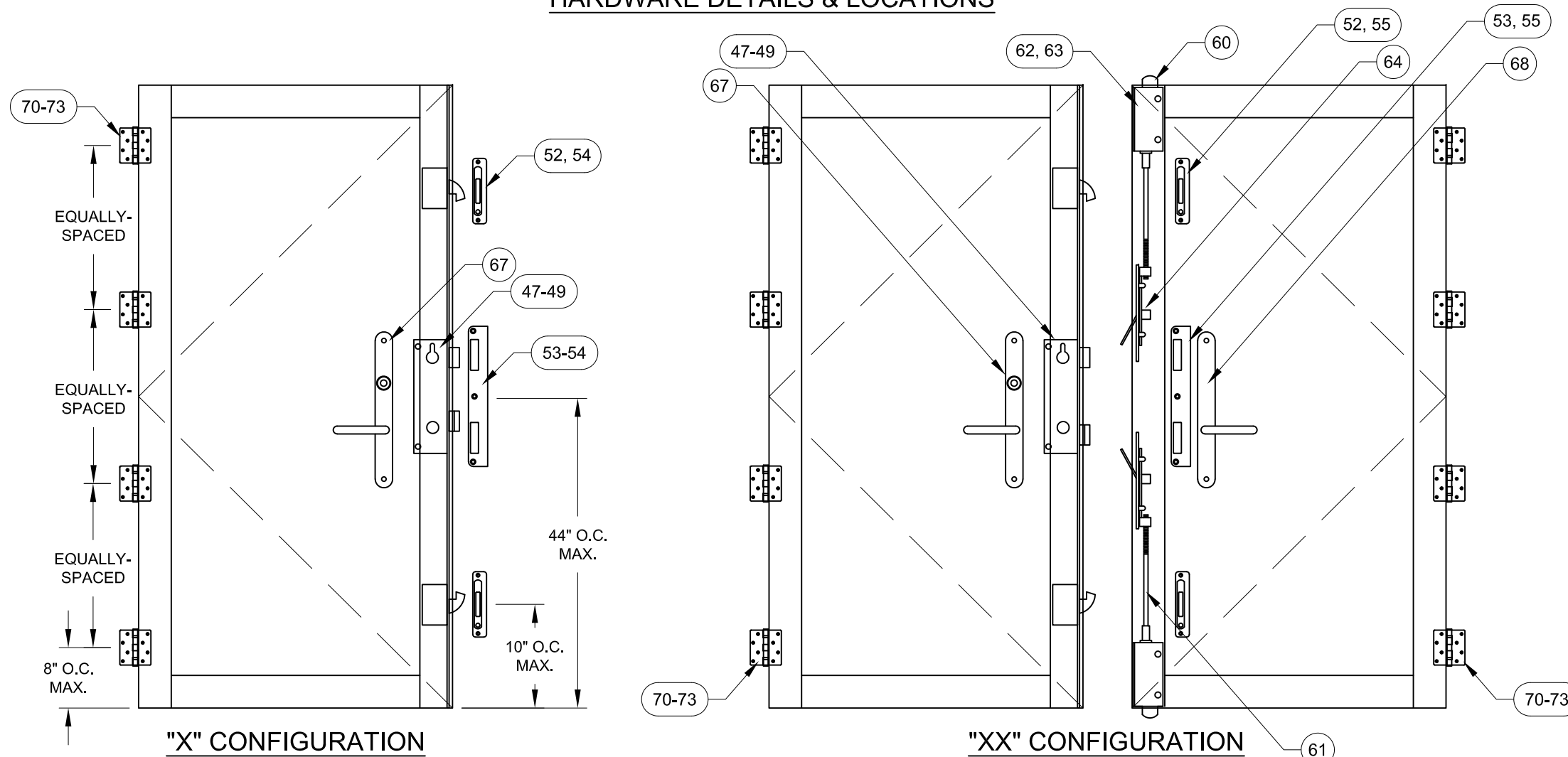
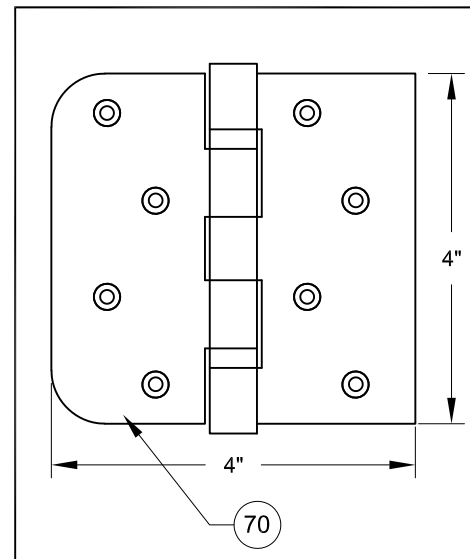


TABLE 11:

#	PGT Part #	Description	Material
47	666032701	P3000 3-PT Rhino Lock (6'8")	
48	666032702	P3000 3-PT Rhino Lock (over 6'8")	
49	71032X1FPFX	Rhino Lock Screw: 10-32 X 1" Phil. FH	
52	20027	Adjustable Strike Plate Assembly	Stainless Steel
53	20028	Center Strike Plate Assembly	Stainless Steel
54	7S101X	Strike Plate Screw, (X): #10 X 1" Phil. FH	410 S.S.
55	78X12PFHUX	Strike Plate Screw, (XX): #8 X 1/2" Phil. FH	410 S.S.
60	7SB1202	Flush Bolt (XX)	
61	7803725	Flush Bolt Rod (XX)	
62	420034	Flush Bolt Guides (XX)	
63	7832X12FPXP	Flush Bolt Screw: 8-32 X 1/2" Phil. FH	
64	48033N	Guide Pin (XX)	
65	78036	Flush Bolt Strike Plate (XX)	Stainless Steel
66	7832X12FPXP	Flush Bolt Strike Plate Screw, (XX): #8 X 3/4" Phil. FH	410 S.S.
67	varies	Handle/Lever	
68	varies	Dummy Handle/Lever	
70	20025	Butt Hinge	Stainless Steel
71	71032X1FPFX	Hinge, Slab Screw: #10-32 X 1" Phil FH	Stainless Steel
72	7S101X	Hinge, Frame Screw: #10 X 1" Phil. FH	Stainless Steel

HINGE DETAIL:



COPYRIGHT © 2021  
PGT INDUSTRIES, INC.  
LIMITED LICENSE TO MAKE  
COPIES FOR PERMITTING.

Revision  
A) UPDATED TO NEW BUILDING  
CODE, ADDED ANCHOR TYPE,  
REVISED TABLES 1, 4 & 6 - JR -  
01/22/21

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	REGISTRATION #29296	Date 5/7/13	By J ROSOWSKI	Rev. A
	VINYL FRENCH DOOR & SDLT/TRAN. (LM)	Drawn J ROSOWSKI	No. TDI-5555.1	Rev. A
DESIGN PRESSURE TABLES 3	Sheet 11 OF 11	Scale NTS	DWG No.	Series FD-5555

ANTHONY LYNN MILLER  
 106954  
 LICENSED  
 PROFESSIONAL ENGINEER  
*A. Lynn Miller* 1/25/21  
 A. LYNN MILLER, P.E.  
 P.E.# 106954