Engineering Evaluation Report # 3550-021122

Prepared by:
A. Lynn Miller, P.E.
1070 Technology Dr.
N. Venice, FL 34275
(941) 480-1600
Registration Number: #29296

Manufacturer:
PGT Industries, Inc.
3400 Precision Dr
North Venice, FL 34275

Product Description:
SE-3550 Series Impact-resistant Aluminum Storefront Entrance Door, (LM & SM), FL #331

Compliance:
The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with the requirements of the current Florida Building Code.

This product has been evaluated and is in compliance with the current Florida Building Code, including the “High Velocity Hurricane Zone” (HVHZ).

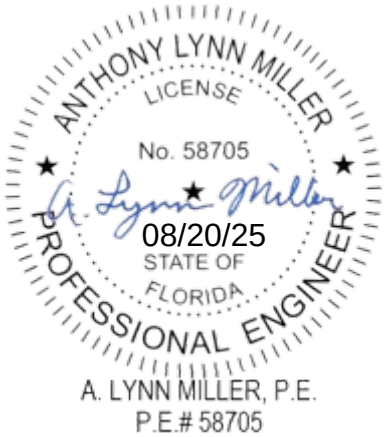
Supporting Technical Documentation:
1. Approval document: drawing number SE3550PGT, signed and sealed by A. Lynn Miller, P.E.

2. Test Report No. FTL 7137, 8717 & 8442, signed and sealed by Marlin D. Brinson P.E.
Test Report No. FTL 17-7538 & 20-2108.1-5, signed and sealed by Idalmis Ortega P.E.
Fenestration Testing Laboratories, Medley, FL 33166
TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure Test
TAS 203-94 Cyclic Pressure Loading Test

3. Anchor calculations, signed and sealed by A. Lynn Miller, P.E.

4. Miami-Dade RER Product Control Section NOA’s; Trosifol PVB and SentryGlas Interlayers by Kuraray America, Inc.

Limitations and Conditions of use:
• Units must be glazed per ASTM E1300, refer to approval document for glazing details.
• This product is rated to be used in the HVHZ.
• This product is impact resistant and does not require impact protection in wind borne debris regions.
• Units must be installed in accordance with the approval documents.



FLORIDA PRODUCT APPROVAL # 331

SE-3550 IMPACT-RESISTANT, OUTSWING STOREFRONT ENTRANCE DOOR

DESIGN PRESSURE RATING	WATER PRESSURE RATING	IMPACT RATING
SEE TABLES ON SHEETS 2-11 & 13	15% OF THE (+) DESIGN PRESSURE UNLESS NOTED OTHERWISE	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

GENERAL NOTES:
1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FBC, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2) SHUTTERS ARE NOT REQUIRED PER FBC REQUIREMENTS, WHEN USED IN WIND-BORNE DEBRIS REGIONS.
3) DESIGN PRESSURES:
   A) NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TESTING AND GLASS PER ASTM E1300.
   B) POSITIVE DESIGN LOADS BASED ON WATER INFILTRATION, STRUCTURAL TESTING AND GLASS PER ASTM E1300.
   C) DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
4) 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.
5) OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
6) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS OF THE FBC, AS APPLICABLE.
7) DISSIMILAR MATERIALS THAT COME INTO CONTACT, INCLUDING PRODUCT FRAMING, ANCHORAGE AND OPENING SUBSTRATES, SHALL BE COATED OR PROTECTED TO PREVENT CORROSIVE REACTIONS AS REQUIRED BY THE FLORIDA BUILDING CODE.
8) REFERENCES: DEWALT ANCHOR NOA'S; TEST REPORTS FTL-7137, 8717, 8842, 17-7538 & 17-7007.
9) THIS DOOR SYSTEM MAY BE USED WITH ANY COMPATIBLE PGT STOREFRONT WINDOW SYSTEM. WINDOW SYSTEM MUST HAVE ITS OWN APPROVAL.

ANCHOR NOTES:
1) SEE TABLE 1 ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
2) WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK, PROPERLY SECURED. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE OR CMU. 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. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIEWED BY THE BUILDING OFFICIAL.
3) 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 WINDOW.
4) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER THE FBC AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
5) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) 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.

TABLE 1

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment	Min. O.C. Distance
A	#14 Steel or 410 SS SMS (DS)	Southern Pine (SG=0.55)	1"	1-3/8"	1"
B	#14 Steel or 410 SS SMS (DS)	Aluminum 6063-T5 (0.125" min. thickness)	3/8"	1/8"	5/8"
		Steel, A36 (0.125" min. thickness)	3/8"	1/8"	5/8"
C	1/4" DeWalt Titen HD*	Concrete (min. 3.00 ksi)	2-1/2"	1-3/4"	3"
		Concrete (min. 3,100 psi)	2-1/2"	1-3/8"	4"
		Grout-Filled CMU (ASTM C-90)	2-1/2"	1-3/4"	4"
		Ungrouted CMU (ASTM C-90)	2-1/2"	1-1/4"	3"
	1/4" DeWalt 410 S.S. Screw-Flex	Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"	6"
	5/16" DeWalt Titen HD	Ungrouted CMU, (ASTM C-90)	3-1/8"	1-1/4"	6"
D	5/16" DeWalt 410 S.S. Screw-Flex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"	3"
	5/16" DeWalt Titen HD	Concrete (min. 3.52 ksi)	3-1/8"	2"	3"
		Grout-Filled CMU (ASTM C-90)	2-1/2"	2-1/4"	3"
E	3/8" Large Diameter ITW Tapcon	Concrete (min. 3 ksi)	3"	1-1/2"	4"
		Ungrouted CMU, (ASTM C-90)	3"	1-1/2"	4"

1) MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

3) ALL ANCHOR HEAD TYPES ARE ALLOWED.

INSTRUCTIONS:
1) DETERMINE THE BUILDING'S REQUIRED DESIGN PRESSURE USING THE ASCE 7 STANDARD. THE DOOR'S DESIGN PRESSURE MUST MEET OR EXCEED THIS VALUE.
2) DETERMINE THE ANCHOR GROUP FROM TABLE 1, THIS SHEET.
3) VERIFY THAT THE CHOSEN THRESHOLD MEETS THE REQUIRED POSITIVE (+) DESIGN PRESSURE FROM TABLE 14, SHEET 13.
4) DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO GLAZING, FROM SHEET 2 (SINGLE DOOR) OR SHEET 3 (DOUBLE DOOR).
5) IF YOUR ASSEMBLY INCLUDES A VERTICAL MULLION AND STOREFRONT WINDOW:
   A) DETERMINE THE VERTICAL MULLION TYPE & DESIGN PRESSURE FROM SHEETS 4-7.
   B) DETERMINE THE VERTICAL MULLION DESIGN PRESSURE DUE TO ANCHORAGE FROM SHEET 9 (1/4" SHIM) OR SHEET 10 (1/2" SHIM).
   C) DETERMINE THE DESIGN PRESSURE OF THE STOREFRONT WINDOW FROM IT'S OWN APPROVAL.
6) IF YOUR ASSEMBLY IS OR CONTAINS A DOUBLE DOOR, DETERMINE THE QUANTITY OF ANCHORS REQ'D ABOVE THE MEETING STILES (HEAD) OR BELOW THE MEETING STILES (SILL) FROM SHEET 8.
7) DETERMINE THE MAXIMUM JAMB ANCHOR SPACING FROM SHEET 11. VALUES HAVE BEEN CALCULATED USING THE DOOR'S MAXIMUM DESIGN PRESSURE.
8) DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO HARDWARE FROM SHEETS 17-19.
9) THE LOWEST DESIGN PRESSURE FROM 3, 4, 5 & 8 ABOVE, SHALL BE USED FOR THE ENTIRE ASSEMBLY.

A	08/20/25	SEE REV BLOCKS - JR

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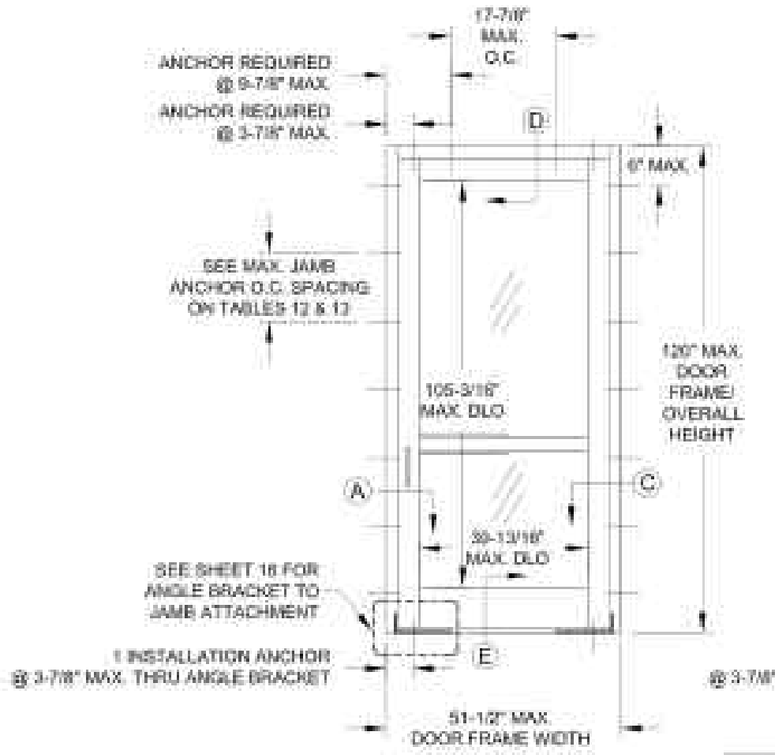
DRAWN BY: (LM)	02/20/24
APPROVED BY:	JENS ROSOWSKI
ALUMINUM STOREFRONT DOOR	SE3550PGT
NOTES & ANCHOR TYPES TABLE	1 OF 20
	SE-3550A

ANTHONY LYNN MILLER
LICENSE
No. 58705
08/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 2:

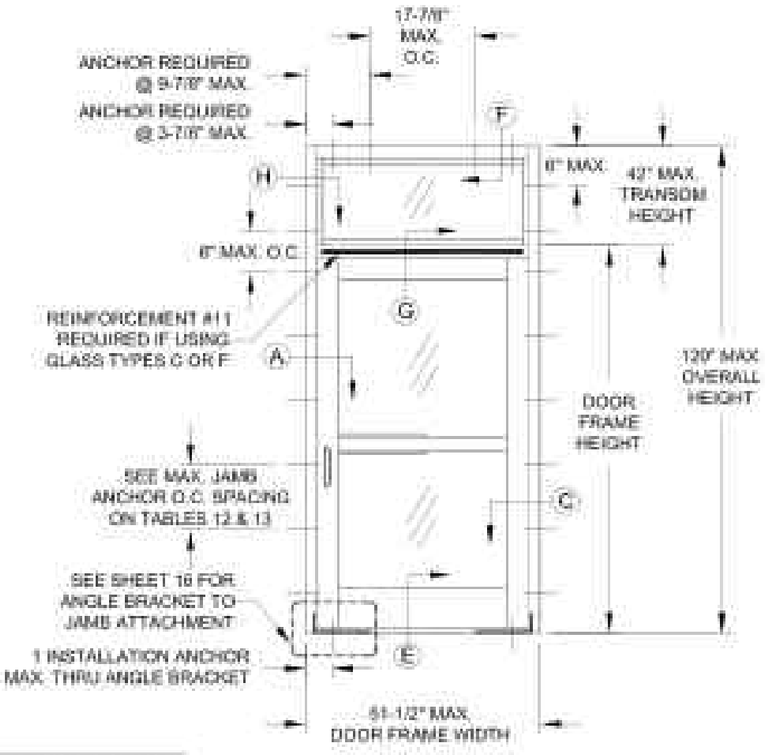
Glass Design Pressure, psf for Single Door			
Glass Type: A & D			
Door Frame Height	Overall Height	Door Frame Width	
		51-1/4"	51-1/2"
78"	97-3/4"	+70/-90	+60/-90
80"	97-3/4"	+60/-60	+60/-60
90"	97-3/4"	+50/-50	+50/-50
97-3/4"	97-3/4"	+50/-50	+50/-50
Glass Type: B & E			
Door Frame Height	Overall Height	Door Frame Width	
		51-1/4"	51-1/2"
78"	97-3/4"	+70/-80	+70/-80
80"	97-3/4"	+70/-70	+70/-70
90"	97-3/4"	+70/-60	+70/-60
97-3/4"	97-3/4"	+70/-50	+70/-50
Glass Type: C & F			
Door Frame Height	Overall Height	Door Frame Width	
		39-1/2"	51-1/2"
78"	108"	+60/-120	+60/-100
	120"	+60/-120	+60/-100
96"	108"	+60/-120	+60/-100
	120"	+60/-120	+60/-100
97"	108"	+60/-120	+60/-100
	120"	+60/-120	+60/-100
97-3/4"	108"	+60/-120	+60/-100
	120"	+60/-120	+60/-100
Glass Type: G & H			
Door Frame Height	Overall Height	Door Frame Width	
		39-1/2"	51-1/2"
78"	108"	+60/-120	+60/-100
	120"	+60/-120	+60/-100
96"	108"	+60/-120	+60/-100
	120"	+60/-120	+60/-100
97"	108"	+60/-120	+60/-100
	120"	+60/-120	+60/-100
97-3/4"	120"	+60/-120	+60/-100
105-7/16"	120"	+60/-120	+60/-75
120"	120"	+60/-120	+60/-75

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



TYP. ELEVATION OF SINGLE DOOR WITHOUT TRANSOM

DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 39-1/2" REQUIRE SPECIAL HARDWARE, SEE SHEETS 17-19.



TYP. ELEVATION OF SINGLE DOOR WITH TRANSOM

NOTES:
1) SEE SHEET 15 FOR GLAZING TYPES AND DESCRIPTIONS.

EGRESS FORMULAE:
SINGLE DOOR FRAME WIDTH - 6-3/8" = EGRESS WIDTH
FRAME HEIGHT - 2-3/8" - THRESHOLD HEIGHT = EGRESS HEIGHT

DLO (DAYLIGHT OPENING) FORMULAS:
SINGLE DOOR FRAME WIDTH - 9-15/16" = DLO WIDTH
DOOR FRAME HEIGHT - 14-13/16" = DLO HEIGHT
TRANSOM WIDTH - 0" = DLO WIDTH
TRANSOM HEIGHT - 3-3/4" = DLO HEIGHT

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02/20/24

JENS ROSOWSKI

SE3550PGT

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ALUMINUM STOREFRONT DOOR (LM)

DESIGN PRESSURE TABLE

SE-3550A

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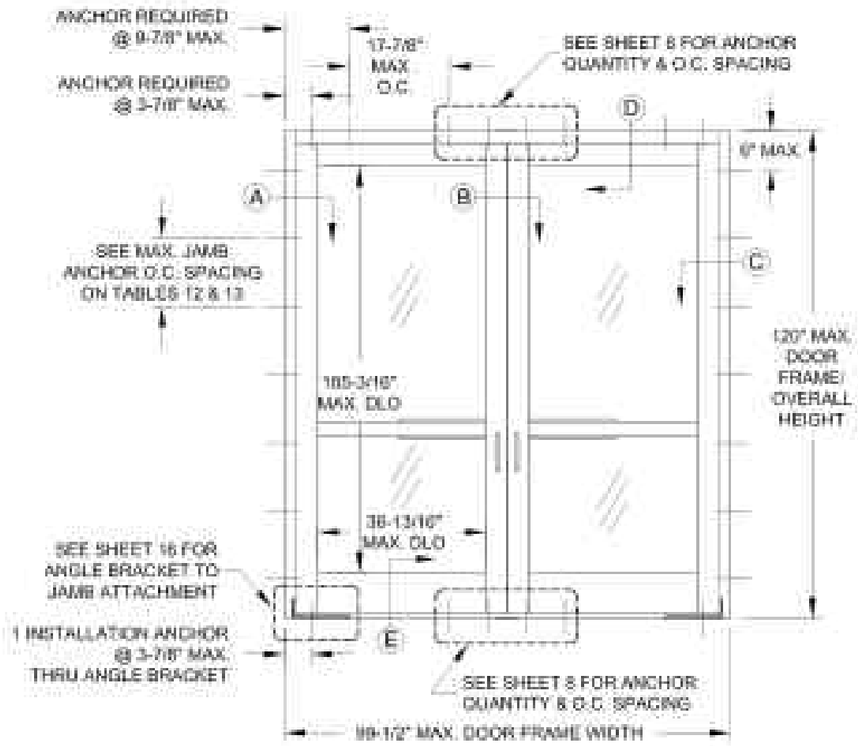
ANTHONY LYNN MILLER
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No. 58705
02/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 3:

Glass Design Pressure, psf for Double Door			
Glass Type: A & D			
Door Frame Height	Daylight Height	Door Frame Width	
		60"	75-1/2"
78"	67-3/4"	+50/-50	+45/-45
84"	67-3/4"	+50/-50	+50/-45
90"	67-3/4"	+50/-50	+50/-45
96-3/4"	67-3/4"	+50/-50	+50/-45
Glass Type: B & E			
Door Frame Height	Daylight Height	Door Frame Width	
		60"	75-1/2"
78"	67-3/4"	+50/-50	+50/-50
84"	67-3/4"	+50/-50	+50/-50
90"	67-3/4"	+50/-50	+50/-50
96-3/4"	67-3/4"	+50/-50	+50/-50
Glass Type: C & F			
Door Frame Height	Daylight Height	Door Frame Width	
		75-1/2"	99-1/2"
78"	55-1/4"	+50/-150	+50/-120
	67-3/4"	+50/-117	+50/-120
84"	55-1/4"	+50/-120	+50/-100
	67-3/4"	+50/-117	+50/-100
90"	55-1/4"	+50/-120	+50/-100
	67-3/4"	+50/-117	+50/-100
96-3/4"	67-3/4"	+50/-120	+50/-100
108"	67-3/4"	+50/-120	+50/-100
120"	67-3/4"	+50/-120	+50/-100
Glass Type: G & H			
Door Frame Height	Daylight Height	Door Frame Width	
		75-1/2"	99-1/2"
78"	55-1/4"	+50/-150	+50/-120
	67-3/4"	+50/-120	+50/-100
84"	55-1/4"	+50/-150	+50/-120
	67-3/4"	+50/-117	+50/-100
90"	55-1/4"	+50/-150	+50/-120
	67-3/4"	+50/-150	+50/-100
96-3/4"	67-3/4"	+50/-150	+50/-100
108-7/16"	67-3/4"	+50/-150	+50/-75
120"	67-3/4"	+50/-150	+50/-75

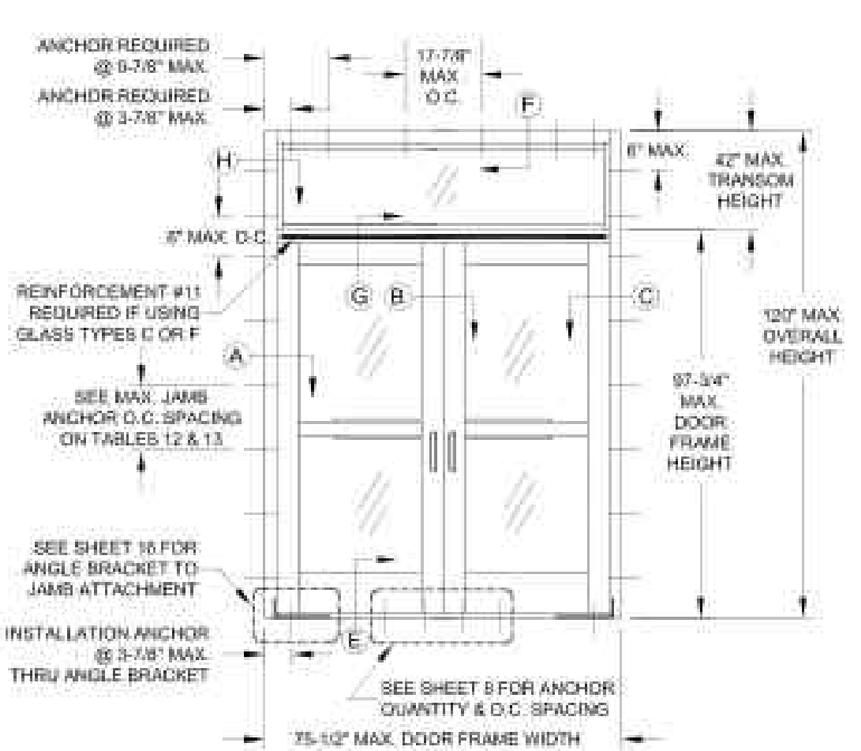
FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

NO TRANSOMS ALLOWED FOR DOOR FRAME HEIGHTS OVER 97-3/4"



TYP. ELEVATION OF DOUBLE DOOR WITHOUT TRANSOM

DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 75-1/2" REQUIRE SPECIAL HARDWARE. SEE SHEETS 17-19



TYP. ELEVATION OF DOUBLE DOOR WITH TRANSOM

NOTES:
1) SEE SHEET 15 FOR GLAZING TYPES AND DESCRIPTIONS.

EGRESS FORMULAE:
DOUBLE DOOR FRAME WIDTH/2 - 4-1/2" = EGRESS WIDTH
FRAME HEIGHT - 2-3/8" - THRESHOLD HEIGHT = EGRESS HEIGHT

DLO (DAYLIGHT OPENING) FORMULAS:
SINGLE DOOR FRAME WIDTH - 9-15/16" = DLO WIDTH
DOOR FRAME HEIGHT - 14-13/16" = DLO HEIGHT
TRANSOM WIDTH - 0" = DLO WIDTH
TRANSOM HEIGHT - 3-3/4" = DLO HEIGHT

A	08/20/25
ADDED EGRESS WIDTH	
JENS ROSOWSKI	02/20/24
SE3550PGT	
ALUMINUM STOREFRONT DOOR (LM)	
DESIGN PRESSURE TABLE	3 OF 20
SE-3550A	

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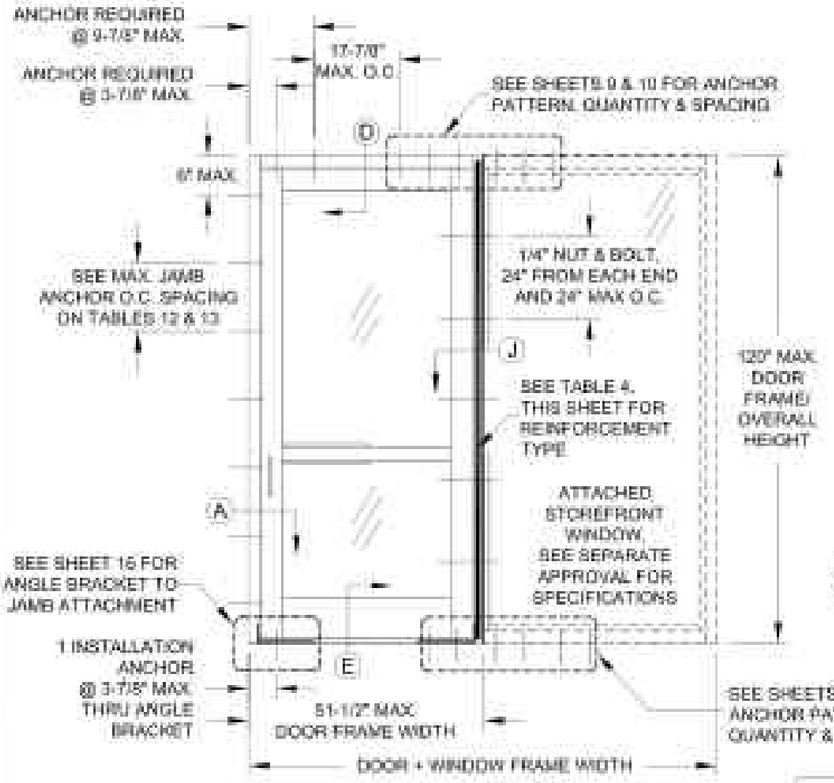
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TABLE 4

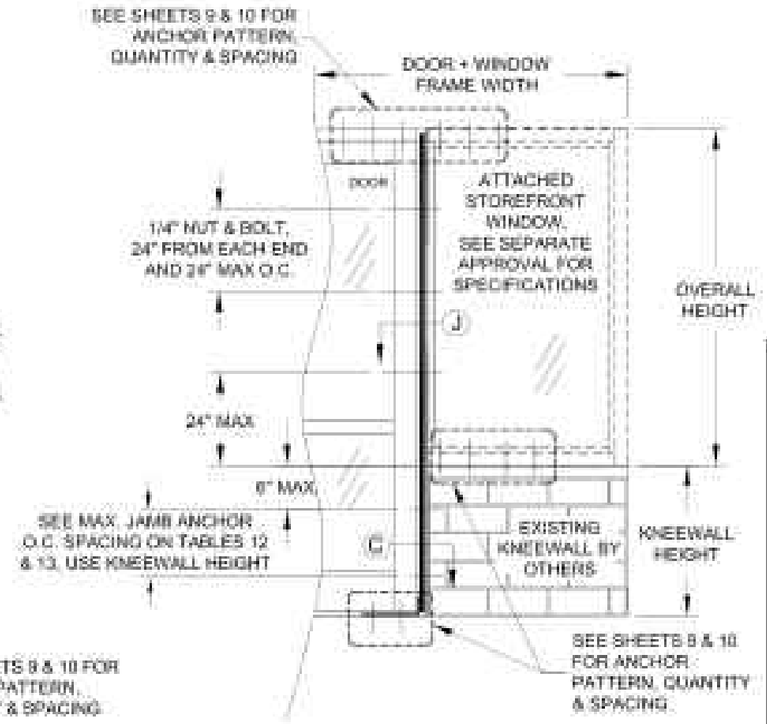
Max. Vertical Mullion Design Pressure. (psf)				
Overall Height	Door + Window Frame Width Single Door without Transom	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
78"	49-3/4"	+60/-60	+90/-100	+90/-120
	61-3/4"	+60/-60	+90/-100	+90/-120
	73-3/4"	+60/-60	+90/-100	+90/-120
	85-3/4"	+60/-60	+90/-100	+90/-120
	97-3/4"	+60/-60	+90/-100	+90/-120
	109-3/4"	+60/-60	+90/-100	+90/-120
	121-3/4"	+86.3/-86.3	+90/-100	+90/-120
84"	49-3/4"	+60/-60	+90/-100	+90/-120
	61-3/4"	+60/-60	+90/-100	+90/-120
	73-3/4"	+60/-60	+90/-100	+90/-120
	85-3/4"	+60/-60	+90/-100	+90/-120
	97-3/4"	+60/-60	+90/-100	+90/-120
	109-3/4"	+69.1/-69.1	+90/-100	+90/-120
	121-3/4"	+80.1/-80.1	+90/-100	+90/-120
90"	49-3/4"	+60/-60	+90/-100	+90/-120
	61-3/4"	+60/-60	+90/-100	+90/-120
	73-3/4"	+60/-60	+90/-100	+90/-120
	85-3/4"	+60/-60	+90/-100	+90/-120
	97-3/4"	+60/-60	+90/-100	+90/-120
	109-3/4"	+83.1/-83.1	+90/-100	+90/-120
	121-3/4"		+90/-100	+90/-120
97-3/4"	49-3/4"	+60/-60	+90/-100	+90/-120
	61-3/4"	+60/-60	+90/-100	+90/-120
	73-3/4"	+60/-60	+90/-100	+90/-120
	85-3/4"	+60/-60	+90/-100	+90/-120
	97-3/4"	+66.1/-66.1	+90/-100	+90/-120
	105-1/16"	+85/-60	+90/-100	+90/-120
	121-3/4"		+90/-100	+90/-120
108"	49-3/4"		+90/-100	+90/-120
	61-3/4"		+90/-100	+90/-120
	73-3/4"		+90/-100	+90/-120
	85-3/4"		+90/-100	+90/-120
	97-3/4"		+90/-100	+90/-120
	109-3/4"		+90/-100	+90/-120
	121-3/4"		+90/-100	+90/-120
120"	49-3/4"		+90/-100	+90/-120
	61-3/4"		+90/-100	+90/-120
	73-3/4"		+90/-100	+90/-120
	85-3/4"		+90/-100	+90/-120
	97-3/4"		+90/-100	+90/-120
	105-1/16"		+90/-100	+90/-120
	117-1/16"			+90/-100

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



TYP. ELEVATION OF SINGLE DOOR WITHOUT TRANSOM

DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 39-1/2" REQUIRE SPECIAL HARDWARE, SEE SHEETS 17-19



TYP. ELEVATION OF KNEEWALL INSTALLATION

(OTHER DOOR TYPES SIMILAR)

NOTES:

1) SEE SHEET 2 FOR EGRESS & DLO FORMULAS & ADDITIONAL OP LIMITS BASED ON GLASS TYPE.

2) SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.

4) IF A SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.

5) THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.

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02/20/24

JENS ROSOWSKI

SE3550PGT

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ALUMINUM STOREFRONT DOOR (LM)

DESIGN PRESSURE TABLE

4 OF 20

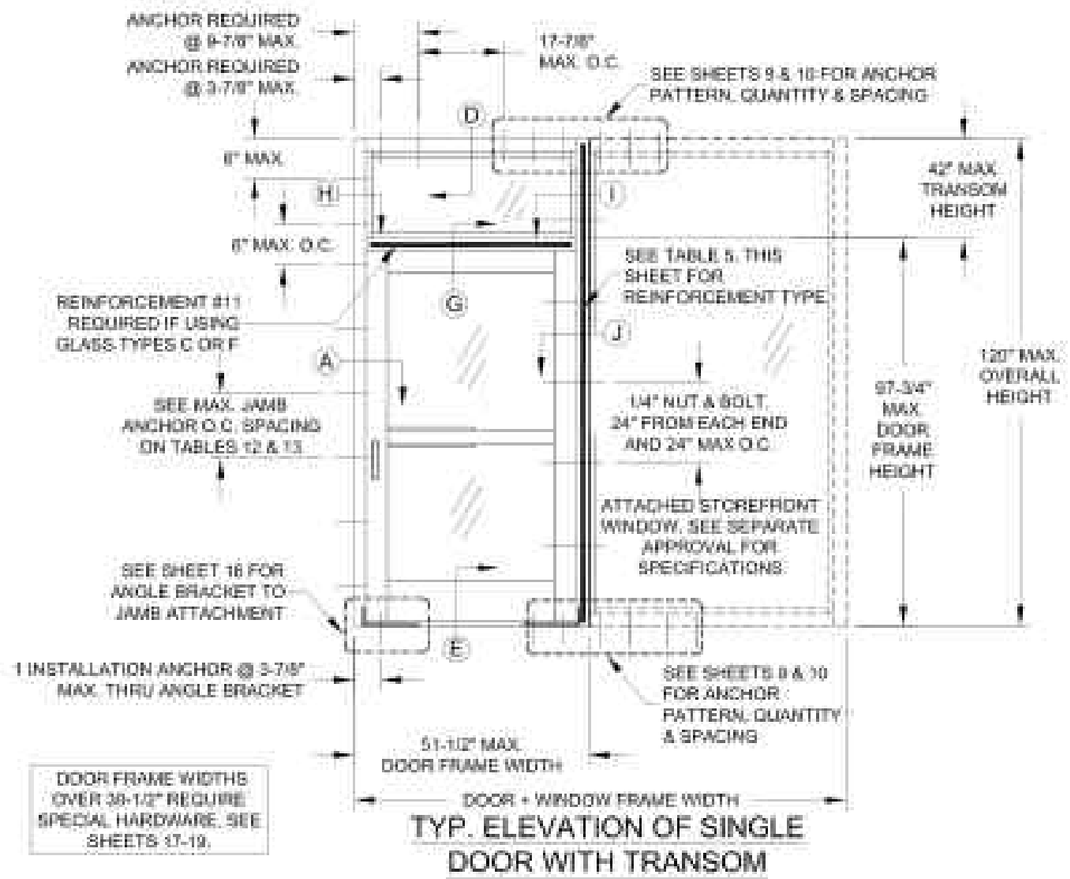
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P.E.# 58705

TABLE 5

Max. Vertical Mullion Design Pressure, (psf)				
Overall Height	Door + Window Frame Width Single Door with Transom	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
78"	49-3/4"	+90/-90	+90/-100	+90/-120
	61-3/4"	+90/-90	+90/-100	+90/-120
	73-3/4"	+90/-90	+90/-100	+90/-120
	85-3/4"	+90/-90	+90/-100	+90/-120
	97-3/4"	+90/-90	+90/-100	+90/-120
	109-3/4"	+90/-90	+90/-100	+90/-120
	121-3/4"	+86.3/-86.3	+90/-100	+90/-120
84"	49-3/4"	+90/-90	+90/-100	+90/-120
	61-3/4"	+90/-90	+90/-100	+90/-120
	73-3/4"	+90/-90	+90/-100	+90/-120
	85-3/4"	+90/-90	+90/-100	+90/-120
	97-3/4"	+90/-90	+90/-100	+90/-120
	109-3/4"	+89.1/-89.1	+90/-100	+90/-120
	121-3/4"	+80.1/-80.1	+90/-100	+90/-120
90"	49-3/4"	+90/-90	+90/-100	+90/-120
	61-3/4"	+90/-90	+90/-100	+90/-120
	73-3/4"	+90/-90	+90/-100	+90/-120
	85-3/4"	+90/-90	+90/-100	+90/-120
	97-3/4"	+90/-90	+90/-100	+90/-120
	109-3/4"	+83.1/-83.1	+90/-100	+90/-120
	121-3/4"		+90/-100	+90/-120
97-3/4"	49-3/4"	+90/-90	+90/-100	+90/-120
	61-3/4"	+90/-90	+90/-100	+90/-120
	73-3/4"	+90/-90	+90/-100	+90/-120
	85-3/4"	+90/-90	+90/-100	+90/-120
	97-3/4"	+86.1/-86.1	+90/-100	+90/-120
	109-1/16"	+80/-80	+90/-100	+90/-120
	121-3/4"		+90/-100	+90/-120
108"	49-3/4"		+90/-100	+90/-120
	61-3/4"		+90/-100	+90/-120
	73-3/4"		+90/-100	+90/-120
	85-3/4"		+90/-100	+90/-120
	97-3/4"		+90/-100	+90/-120
	109-3/4"		+90/-100	+90/-120
	121-3/4"		+90/-100	+90/-120
120"	49-3/4"		+90/-100	+90/-120
	61-3/4"		+90/-100	+90/-120
	73-3/4"		+90/-100	+90/-120
	85-3/4"		+90/-100	+90/-120
	97-3/4"		+90/-100	+90/-120
	109-1/16"		+90/-100	+90/-120
	117-1/16"			+90/-100

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



TYP. ELEVATION OF SINGLE DOOR WITH TRANSOM

DOOR FRAME WIDTHS OVER 38-1/2" REQUIRE SPECIAL HARDWARE. SEE SHEETS 17-19.

NOTES:

1) SEE SHEET 2 FOR EGRESS & DLO FORMULAS & ADDITIONAL DP LIMITS BASED ON GLASS TYPE.

2) SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.

4) IF A SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.

5) THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.

6) SEE SHEET 4 FOR INSTALLATION TO KNEEWALL.

PREPARED BY: A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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ALUMINUM STOREFRONT DOOR (LM)

DESIGN PRESSURE TABLE

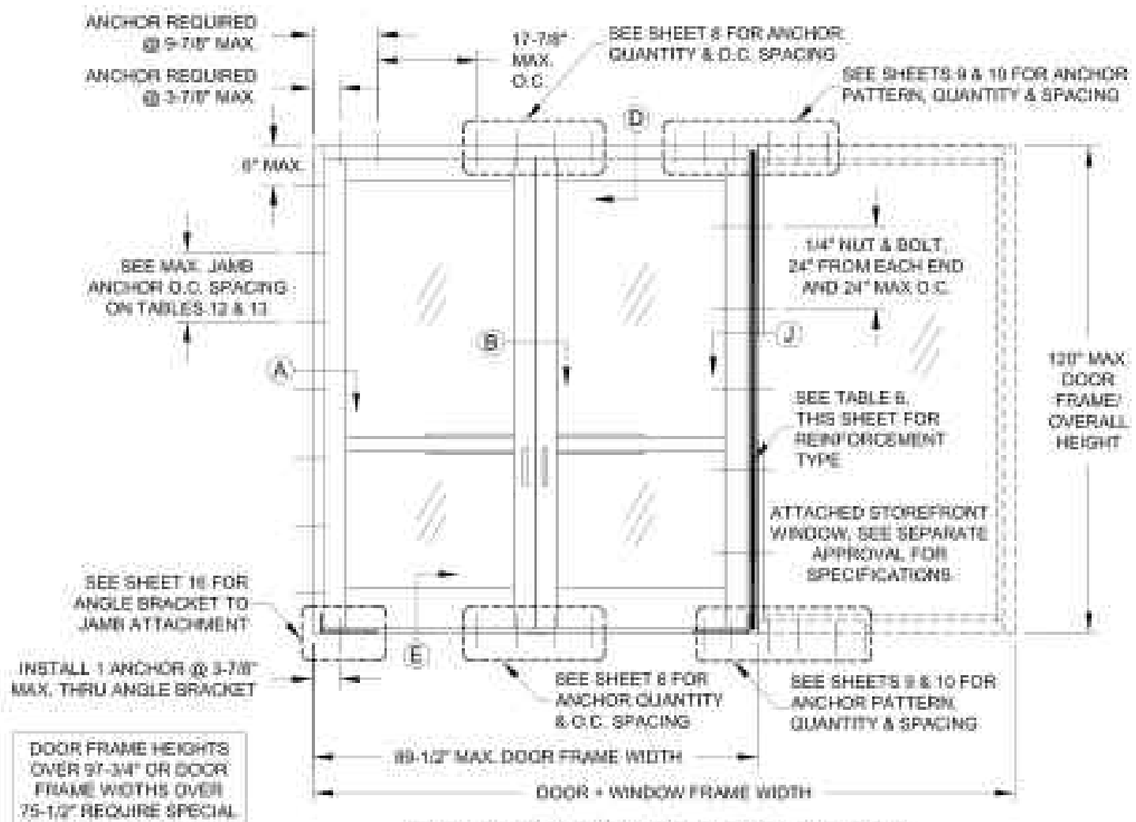
DATE	02/20/24
BY	JENS ROSOWSKI
SE#	SE3550PGT
SHEET	5 OF 20
SERIES	SE-3550A

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
06/20/25
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE II

Max. Vertical Mullion Design Pressure, (psf)				
Overall Height	Door + Window Frame Width Double Door without Transom	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
78"	88-5/8"	+90/-90	+90/-100	+90/-120
	110-5/8"	+90/-90	+90/-100	+90/-120
	122-5/8"	+90/-90	+90/-100	+90/-120
	134-5/8"	+90/-90	+90/-100	+90/-120
	146-5/8"	+90/-90	+90/-100	+90/-120
	158-5/8"	+90/-90	+90/-100	+90/-120
	170-5/8"	+86.3/-86.3	+90/-100	+90/-120
84"	88-5/8"	+90/-90	+90/-100	+90/-120
	110-5/8"	+90/-90	+90/-100	+90/-120
	122-5/8"	+90/-90	+90/-100	+90/-120
	134-5/8"	+90/-90	+90/-100	+90/-120
	146-5/8"	+90/-90	+90/-100	+90/-120
	158-5/8"	+89.1/-89.1	+90/-100	+90/-120
	170-5/8"	+90.1/-90.1	+90/-100	+90/-120
90"	88-5/8"	+90/-90	+90/-100	+90/-120
	110-5/8"	+90/-90	+90/-100	+90/-120
	122-5/8"	+90/-90	+90/-100	+90/-120
	134-5/8"	+90/-90	+90/-100	+90/-120
	146-5/8"	+90/-90	+90/-100	+90/-120
	158-5/8"	+83.1/-83.1	+90/-100	+90/-120
	170-5/8"		+90/-100	+90/-120
97-3/4"	88-5/8"	+90/-90	+90/-100	+90/-120
	110-5/8"	+90/-90	+90/-100	+90/-120
	122-5/8"	+90/-90	+90/-100	+90/-120
	134-5/8"	+90/-90	+90/-100	+90/-120
	146-5/8"	+90.1/-90.1	+90/-100	+90/-120
	153-7/8"	+85/-85	+90/-100	+90/-120
	170-5/8"		+90/-100	+90/-120
108"	88-5/8"		+90/-100	+90/-120
	110-5/8"		+90/-100	+90/-120
	122-5/8"		+90/-100	+90/-120
	134-5/8"		+90/-100	+90/-120
	146-5/8"		+90/-100	+90/-120
	158-5/8"		+90/-100	+90/-120
	170-5/8"		+90/-100	+90/-120
120"	88-5/8"		+90/-100	+90/-120
	110-5/8"		+90/-100	+90/-120
	122-5/8"		+90/-100	+90/-120
	134-5/8"		+90/-100	+90/-120
	146-5/8"		+90/-100	+90/-120
	153-7/8"		+90/-100	+90/-120
	165-7/8"		+90/-100	+90/-120

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 75-1/2" REQUIRE SPECIAL HARDWARE; SEE SHEETS 17-19

TYP. ELEVATION OF DOUBLE DOOR WITHOUT TRANSOM, ATTACHED TO STOREFRONT WINDOW

NOTES:

1) SEE SHEET 3 FOR EGRESS & DLO FORMULAS & ADDITIONAL DP LIMITS BASED ON GLASS TYPE.

2) SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.

4) IF A-SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.

5) IF STOREFRONT WINDOWS ARE USED ON BOTH SIDES OF A DOOR (EX. OXO), DETERMINE THE DOOR + WINDOW FRAME WIDTH USING THE WIDER WINDOW.

6) THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.

7) SEE SHEET 4 FOR INSTALLATION TO KNEEWALL.

PREPARED BY A. LYNN MILLER
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ALUMINUM STOREFRONT DOOR (LM)

DESIGN PRESSURE TABLE

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02/20/24

JENS ROSOWSKI

SE3550PGT

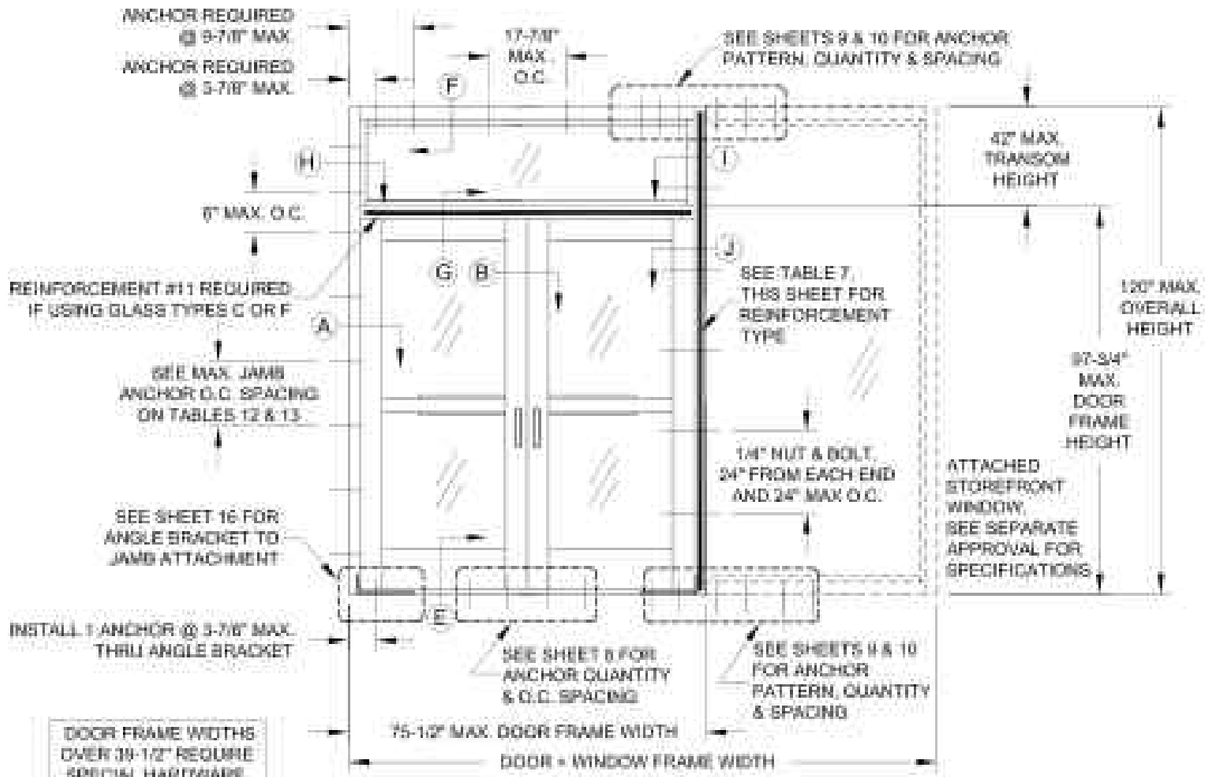
6 OF 20

ANTHONY LYNN MILLER
LICENSE
No. 58705
08/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 7

Max. Vertical Mullion Design Pressure. (psf)				
Overall Height	Door + Window Frame Width Double Door with Transom	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
78"	50-5/16"	+60/-60	+90/-100	+90/-120
	76-5/16"	+60/-60	+90/-100	+90/-120
	92-3/16"	+60/-60	+90/-100	+90/-120
	104-3/16"	+60/-60	+90/-100	+90/-120
	116-3/16"	+60/-60	+90/-100	+90/-120
	128-3/16"	+60/-60	+90/-100	+90/-120
	140-3/16"	+86.3/-86.3	+90/-100	+90/-120
84"	50-5/16"	+60/-60	+90/-100	+90/-120
	76-5/16"	+60/-60	+90/-100	+90/-120
	92-3/16"	+60/-60	+90/-100	+90/-120
	104-3/16"	+60/-60	+90/-100	+90/-120
	116-3/16"	+60/-60	+90/-100	+90/-120
	128-3/16"	+89.1/-89.1	+90/-100	+90/-120
	140-3/16"	+80.1/-80.1	+90/-100	+90/-120
90"	50-5/16"	+60/-60	+90/-100	+90/-120
	76-5/16"	+60/-60	+90/-100	+90/-120
	92-3/16"	+60/-60	+90/-100	+90/-120
	104-3/16"	+60/-60	+90/-100	+90/-120
	116-3/16"	+60/-60	+90/-100	+90/-120
	128-3/16"	+83.1/-83.1	+90/-100	+90/-120
	140-3/16"		+90/-100	+90/-120
97-3/4"	50-5/16"	+60/-60	+90/-100	+90/-120
	76-5/16"	+60/-60	+90/-100	+90/-120
	92-3/16"	+60/-60	+90/-100	+90/-120
	104-3/16"	+60/-60	+90/-100	+90/-120
	116-3/16"	+86.1/-86.1	+90/-100	+90/-120
	123-1/2"	+80/-80	+90/-100	+90/-120
	140-3/16"		+90/-100	+90/-120
108"	50-5/16"		+90/-100	+90/-120
	76-5/16"		+90/-100	+90/-120
	92-3/16"		+90/-100	+90/-120
	104-3/16"		+90/-100	+90/-120
	116-3/16"		+90/-100	+90/-120
	128-3/16"		+90/-100	+90/-120
	140-3/16"		+90/-100	+90/-120
120"	50-5/16"		+90/-100	+90/-120
	76-5/16"		+90/-100	+90/-120
	92-3/16"		+90/-100	+90/-120
	104-3/16"		+90/-100	+90/-120
	116-3/16"		+90/-100	+90/-120
	123-1/2"		+90/-100	+90/-120
	128-1/2"			+90/-100

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



TYP. ELEVATION OF DOUBLE DOOR WITH TRANSOM, ATTACHED TO STOREFRONT WINDOW

NOTES:

1) SEE SHEET 3 FOR EGRESS & DLO FORMULAS & ADDITIONAL DP LIMITS BASED ON GLASS TYPE.

2) SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.

4) IF A SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.

5) IF STOREFRONT WINDOWS ARE USED ON BOTH SIDES OF A DOOR (EX. OXO), DETERMINE THE DOOR + WINDOW FRAME WIDTH USING THE WIDER WINDOW.

6) THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.

7) SEE SHEET 4 FOR INSTALLATION TO KNEEWALL.

PREPARED BY: A. LYNN MILLER
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DRAWN BY:	DATE: 02/20/24
CHECKED BY: (LM)	APP'D BY: JENS ROSOWSKI
ALUMINUM STOREFRONT DOOR	SE3550PGT
DESIGN PRESSURE TABLE	7 OF 20
SE-3550A	

PGT Commercial

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ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
06/20/25
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 8:

Quantity of Cluster Anchors Required at the Head & Sill of Double Doors — Glass Thickness: 1/4"

Overall Height	Included with Anchor Group:	Glass Type: A & D — Door Frame Width: 48"	60"	75-1/2"	Glass Type: B & E — Door Frame Width: 48"	60"	75-1/2"	Glass Type: C, F, G & H — Door Frame Width: 48"	60"	75-1/2"	88"	90"	95-1/2"
78"	A	4	4	4	4	4	4	4	4	5	5	5	6
	B	4	4	4	4	4	4	4	4	4	5	5	5
	C	4	4	4	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	3	4	4	4	4	4	4	4	4	5	5	5
84"	A	4	4	4	4	4	4	4	4	5	6	6	6
	B	4	4	4	4	4	4	4	4	4	5	5	5
	C	4	4	4	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	3	4	4	4	4	4	4	4	4	5	5	5
90"	A	4	4	4	4	4	4	4	4	5	6	6	6
	B	4	4	4	4	4	4	4	4	4	5	5	5
	C	4	4	4	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	4	4	4	4	4	4	4	4	4	5	5	5
97-5/8"	A	4	4	5	4	4	5	4	4	5	6	6	7
	B	4	4	4	4	4	4	4	4	4	5	5	6
	C	4	4	4	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	4	4	4	4	4	4	4	4	4	5	5	5
108"	A	Not Available						5	5	6	6	7	8
	B							5	5	5	6	6	7
	C							5	5	5	6	6	6
	D							5	5	5	6	6	6
	E							5	5	5	6	6	6
120"	A							6	6	7	8	8	9
	B							6	6	6	7	7	8
	C							6	6	6	7	7	7
	D							6	6	6	7	7	7
	E							5	5	6	6	6	7

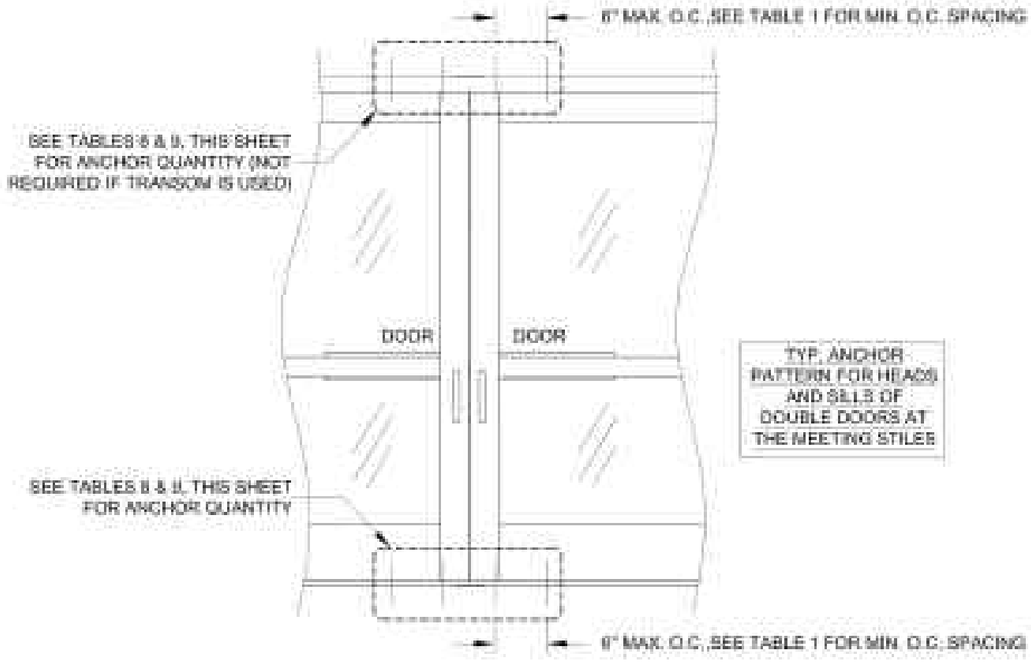
FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

TABLE 9:

Quantity of Cluster Anchors Required at the Head & Sill of Double Doors — Glass Thickness: 1/2"

Overall Height	Included with Anchor Group:	Glass Type: A & D — Door Frame Width: 48"	60"	75-1/2"	Glass Type: B & E — Door Frame Width: 48"	60"	75-1/2"	Glass Type: C, F, G & H — Door Frame Width: 48"	60"	75-1/2"	87"	90"	95-1/2"
78"	A	4	4	4	4	4	4	4	4	5	5	5	6
	B	4	4	4	4	4	4	4	4	4	5	5	5
	C	4	4	4	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	4	4	4	4	4	4	4	4	4	5	5	5
84"	A	4	5	6	4	4	5	4	4	5	6	6	6
	B	4	5	6	4	4	4	4	4	4	5	5	5
	C	4	4	4	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	4	4	4	4	4	4	4	4	4	5	5	5
90"	A	4	5	6	4	4	5	4	4	5	6	6	6
	B	4	4	5	4	4	4	4	4	4	5	5	5
	C	4	4	4	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	4	4	4	4	4	4	4	4	4	5	5	5
97-5/8"	A	4	5	7	4	4	5	4	4	5	6	6	7
	B	4	4	5	4	4	4	4	4	4	5	5	6
	C	4	4	5	4	4	4	4	4	4	5	5	5
	D	4	4	4	4	4	4	4	4	4	5	5	5
	E	4	4	4	4	4	4	4	4	4	5	5	5
108"	A	Not Available						5	6	7	8	8	9
	B							5	5	6	7	7	8
	C							5	5	6	7	7	7
	D							5	5	6	7	7	7
	E							5	5	6	7	7	7
120"	A							6	7	8	9	10	11
	B							6	6	7	8	9	9
	C							6	6	7	8	8	9
	D							6	6	7	8	8	9
	E							5	6	6	7	7	8

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



PREPARED BY A. LYNN MILLER
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ALUMINUM STOREFRONT DOOR (LM)

ANCHOR QUANTITIES TABLE

DATE	DRAWN	CHECKED
02/20/24		JENS ROSOWSKI

SE3550PGT

SE-3550A

8 OF 20

A

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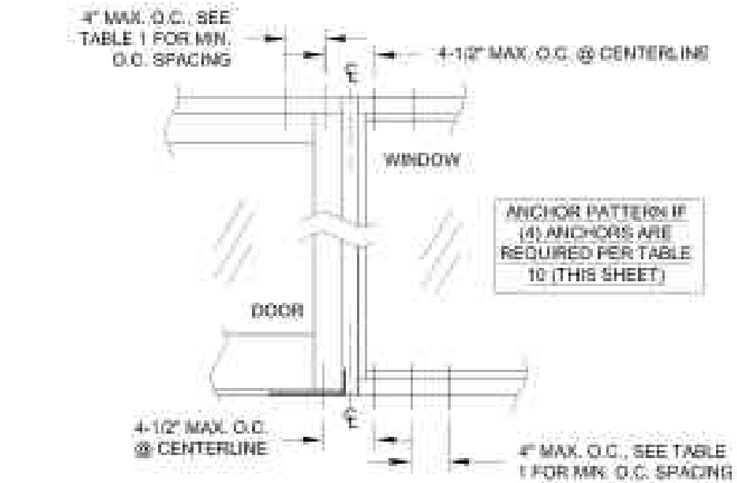
ANTHONY LYNN MILLER
LICENSE
No. 58705
08/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

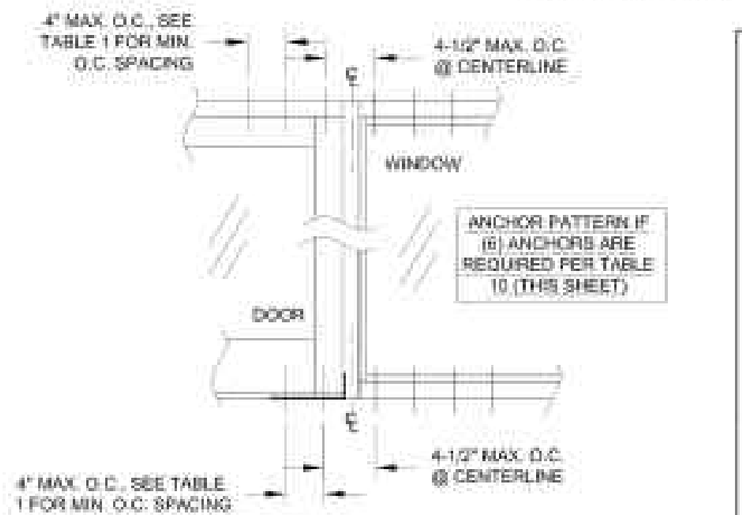
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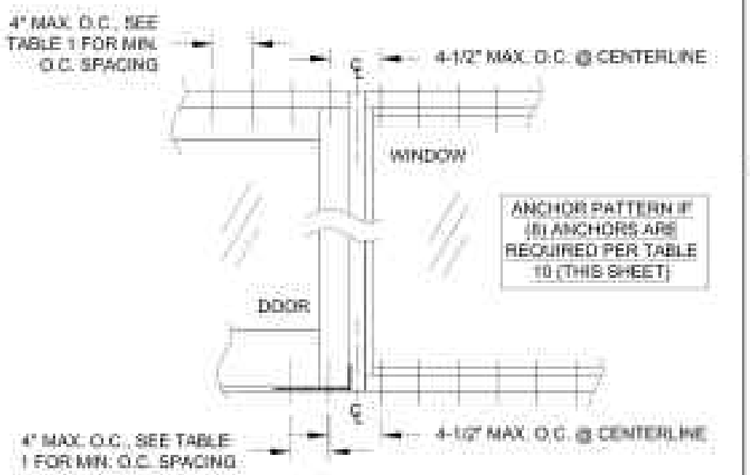
Mullion Anchor Cluster Max. Design Pressure at Head/Sill, (+/- psf) — Shim Thickness: 1/4"

Overall Height	Door + Window Frame Width: Single Door when Transom	Double Door without Transom	Double Door with Transom	Group "A" Anchor: 4 Anchors	Group "A" Anchor: 6 Anchors	Group "A" Anchor: 8 Anchors	Group "B" Anchor: 4 Anchors	Group "B" Anchor: 6 Anchors	Group "B" Anchor: 8 Anchors	Group "C" Anchor: 4 Anchors	Group "C" Anchor: 6 Anchors	Group "C" Anchor: 8 Anchors	Group "D" Anchor: 4 Anchors	Group "D" Anchor: 6 Anchors	Group "D" Anchor: 8 Anchors	Group "E" Anchor: 4 Anchors	Group "E" Anchor: 6 Anchors	Group "E" Anchor: 8 Anchors
79"	49-3/4"	90-5/8"	65-5/16"	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	116.5	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	92-3/16"	97.1	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	83.2	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	72.9	109.2	120	120	120	120	120	120	120	120	120	120	120	120	120
	109-3/4"	158-5/8"	128-3/16"	64.7	97.1	120	111.8	120	120	106.7	120	120	120	120	120	120	120	120
	121-3/4"	170-5/8"	140-3/16"	58.3	87.4	116.5	100.7	120	120	96.0	120	120	115.9	120	120	120	120	120
84"	49-3/4"	90-5/8"	65-5/16"	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	108.2	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	92-3/16"	90.2	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	77.3	115.9	120	120	120	120	120	120	120	120	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	67.6	101.4	120	116.8	120	120	111.4	120	120	120	120	120	120	120	120
	109-3/4"	158-5/8"	128-3/16"	60.1	90.2	120	103.8	120	120	99.0	120	120	116.8	120	120	120	120	120
	121-3/4"	170-5/8"	140-3/16"	54.1	81.2	108.2	93.5	120	120	89.1	120	120	108.7	120	120	112.7	120	120
90"	49-3/4"	90-5/8"	65-5/16"	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	101.5	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	92-3/16"	84.2	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	72.1	108.2	120	120	120	120	116.9	120	120	120	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	63.1	94.7	120	109.0	120	120	104.0	120	120	120	120	120	120	120	120
	109-3/4"	158-5/8"	128-3/16"	56.1	84.2	112.3	96.9	120	120	92.4	120	120	110.7	120	120	116.8	120	120
	121-3/4"	170-5/8"	140-3/16"	50.5	75.7	101.0	87.2	120	120	83.2	120	120	99.6	120	120	105.2	120	120
97-3/4"	49-3/4"	90-5/8"	65-5/16"	116.2	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	93.0	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	92-3/16"	77.5	116.2	120	120	120	120	120	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	66.4	99.6	120	114.7	120	120	109.4	120	120	120	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	58.1	87.2	116.2	100.4	120	120	95.8	120	120	114.7	120	120	120	120	120
	105-1/16"	153-7/8"	123-1/2"	51.7	77.5	103.3	89.2	120	120	85.1	120	120	101.9	120	120	107.6	120	120
	121-3/4"	170-5/8"	140-3/16"	46.5	69.7	93.0	80.3	120	120	76.6	114.9	120	91.7	120	120	96.8	120	120
108"	49-3/4"	90-5/8"	65-5/16"	105.2	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	84.2	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	92-3/16"	70.1	105.2	120	120	120	120	115.8	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	60.1	90.2	120	103.8	120	120	80.0	120	120	116.8	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	52.6	78.9	105.2	90.9	120	120	86.7	120	120	103.8	120	120	109.6	120	120
	109-3/4"	158-5/8"	128-3/16"	46.8	70.1	93.5	80.8	120	120	77.0	115.6	120	92.2	120	120	97.4	120	120
	121-3/4"	170-5/8"	140-3/16"	42.1	63.1	84.2	72.7	109.3	120	69.3	104.0	120	83.0	120	120	87.6	120	120
120"	49-3/4"	90-5/8"	65-5/16"	94.7	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	75.7	113.6	120	120	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	92-5/16"	63.1	94.7	120	109.0	120	120	104.0	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	54.1	81.2	108.2	93.5	120	120	89.1	120	120	108.7	120	120	112.7	120	120
	97-3/4"	146-5/8"	116-3/16"	47.3	71.0	94.7	81.8	120	120	78.0	117.0	120	93.4	120	120	98.6	120	120
	105-1/16"	153-7/8"	123-1/2"	43.1	64.1	85.3	73.7	109.3	120	70.3	105.5	120	84.9	120	120	89.2	120	120
	117-1/16"	165-7/8"	135-1/2"	37.9	56.8	75.7	65.4	98.1	120	62.4	93.6	120	74.7	112.1	120	78.9	118.3	120

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.







A

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
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ALUMINUM STOREFRONT DOOR (LM)

DESIGN PRESSURE TABLE

DATE	BY
02/20/24	JENS ROSOWSKI

SE-3550A | 9 OF 20 | SE3550PGT

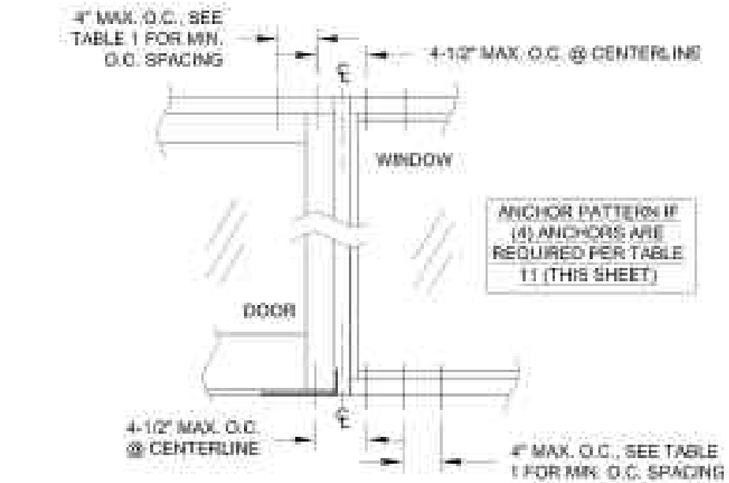
ANTHONY LYNN MILLER
LICENSE
No. 58705
06/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

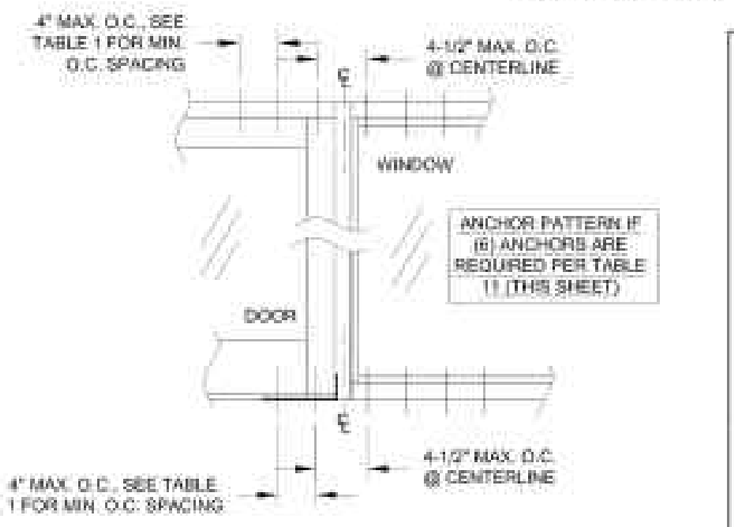
TABLE 11

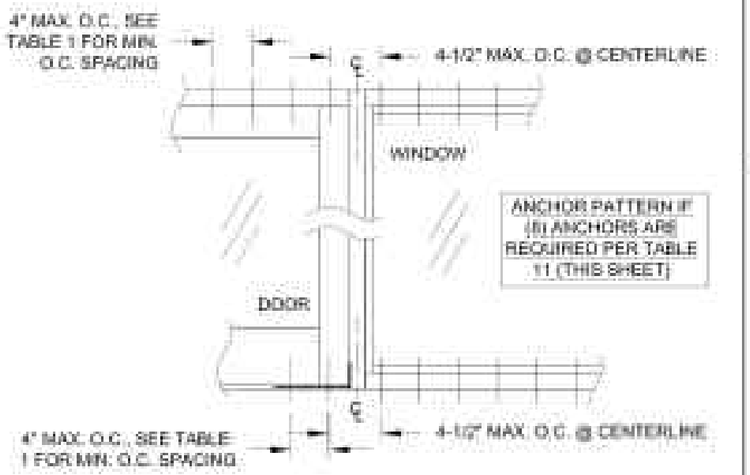
Mullion Anchor Cluster Max. Design Pressure at Head/Sill, (+/- psf) — Stem Thickness: .103"

Frame Height	Door + Window Frame Width: Single Door w/wo Transom	Double Door without Transom	Double Door with Transom	Group "A" Anchor: 4 Anchors	6 Anchors	8 Anchors	Group "B" Anchor: 4 Anchors	6 Anchors	8 Anchors	Group "C" Anchor: 4 Anchors	6 Anchors	8 Anchors	Group "D" Anchor: 4 Anchors	6 Anchors	8 Anchors	Group "E" Anchor: 4 Anchors	6 Anchors	8 Anchors
79"	49-3/4"	89-5/8"	65-5/16"	117.3	120	120	117.3	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	113-5/8"	76-5/16"	93.9	120	120	93.9	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	82-3/16"	78.2	117.3	120	78.2	117.3	120	106.9	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	67.0	100.5	120	67.0	100.5	120	91.7	120	120	116.8	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	58.6	88.0	117.3	58.6	88.0	117.3	80.2	120	120	102.3	120	120	120	120	120
	109-3/4"	158-5/8"	128-3/16"	52.1	78.2	104.3	52.1	78.2	104.3	71.3	106.9	120	90.9	120	120	120	120	120
	121-3/4"	170-5/8"	140-3/16"	46.9	70.4	93.8	46.9	70.4	93.8	64.2	96.2	120	81.8	120	120	120	120	120
84"	49-3/4"	89-5/8"	65-5/16"	108.9	120	120	108.9	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	113-5/8"	76-5/16"	87.1	120	120	87.1	120	120	119.2	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	82-3/16"	72.6	108.9	120	72.6	108.9	120	99.3	120	120	120	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	62.2	93.4	120	62.2	93.4	120	85.1	120	120	108.0	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	54.5	81.7	108.9	54.5	81.7	108.9	74.5	111.7	120	94.6	120	120	120	120	120
	109-3/4"	158-5/8"	128-3/16"	48.4	72.6	96.8	48.4	72.6	96.8	66.2	99.3	120	84.4	120	120	120	120	120
	121-3/4"	170-5/8"	140-3/16"	43.6	65.3	87.1	43.6	65.3	87.1	59.6	89.4	119.2	75.9	113.9	120	112.7	120	120
90"	49-3/4"	89-5/8"	65-5/16"	101.7	120	120	101.7	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	113-5/8"	76-5/16"	81.3	120	120	81.3	120	120	111.2	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	82-3/16"	67.8	101.7	120	67.8	101.7	120	92.7	120	120	116.1	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	58.1	87.1	116.2	58.1	87.1	116.2	79.4	119.2	120	101.2	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	50.8	76.2	101.7	50.8	76.2	101.7	69.5	104.3	120	88.6	120	120	120	120	120
	109-3/4"	158-5/8"	128-3/16"	45.2	67.8	90.4	45.2	67.8	90.4	61.8	92.7	120	78.7	118.1	120	116.9	120	120
	121-3/4"	170-5/8"	140-3/16"	40.7	61.0	81.3	40.7	61.0	81.3	55.6	83.4	111.2	70.9	106.3	120	105.2	120	120
97-3/4"	49-3/4"	89-5/8"	65-5/16"	93.8	120	120	93.8	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	113-5/8"	76-5/16"	74.9	112.3	120	74.9	112.3	120	102.4	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	82-3/16"	62.4	93.6	120	62.4	93.6	120	85.3	120	120	106.9	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	53.5	80.2	107.0	53.5	80.2	107.0	73.1	109.7	120	93.2	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	46.9	70.2	93.6	46.9	70.2	93.6	64.0	96.0	120	81.6	120	120	120	120	120
	109-1/16"	153-7/8"	123-1/2"	41.6	62.4	83.2	41.6	62.4	83.2	56.8	85.3	113.8	72.5	108.8	120	107.6	120	120
	121-3/4"	170-5/8"	140-3/16"	37.4	56.2	74.9	37.4	56.2	74.9	51.2	76.8	102.4	65.3	97.9	120	96.8	120	120
108"	49-3/4"	89-5/8"	65-5/16"	84.7	120	120	84.7	120	120	115.5	120	120	120	120	120	120	120	120
	61-3/4"	113-5/8"	76-5/16"	67.8	101.7	120	67.8	101.7	120	92.7	120	120	118.1	120	120	120	120	120
	73-3/4"	122-5/8"	82-3/16"	56.5	84.7	112.9	56.5	84.7	112.9	77.2	115.9	120	98.4	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	48.4	72.5	96.8	48.4	72.6	96.8	66.2	99.3	120	84.4	120	120	120	120	120
	97-3/4"	146-5/8"	116-3/16"	42.4	63.5	84.7	42.4	63.5	84.7	57.9	86.9	115.9	73.8	110.7	120	109.6	120	120
	109-3/4"	158-5/8"	128-3/16"	37.8	56.5	75.3	37.8	56.6	75.3	51.5	77.2	103.0	65.6	98.4	120	97.4	120	120
	121-3/4"	170-5/8"	140-3/16"	33.9	50.8	67.8	33.9	50.8	67.8	46.3	69.5	92.7	59.1	88.6	118.1	87.6	120	120
120"	49-3/4"	89-5/8"	65-5/16"	76.2	114.4	120	76.2	114.4	120	104.3	120	120	120	120	120	120	120	120
	61-3/4"	113-5/8"	76-5/16"	61.0	91.5	120	61.0	91.5	120	83.4	120	120	106.3	120	120	120	120	120
	73-3/4"	122-5/8"	82-3/16"	50.8	76.2	101.7	50.8	76.2	101.7	69.5	104.3	120	88.6	120	120	120	120	120
	85-3/4"	134-5/8"	104-3/16"	43.6	65.3	87.1	43.6	65.3	87.1	59.6	89.4	119.2	75.9	113.9	120	112.7	120	120
	97-3/4"	146-5/8"	116-3/16"	38.1	57.2	76.2	38.1	57.2	76.3	52.1	78.2	104.3	66.4	99.7	120	98.6	120	120
	109-1/16"	153-7/8"	123-1/2"	33.9	50.8	67.8	33.9	50.8	67.8	46.3	69.5	92.7	59.1	88.6	118.1	87.6	120	120
	121-1/16"	165-7/8"	135-1/2"	30.5	45.7	61.0	30.5	45.7	61.0	41.7	62.6	83.4	53.2	79.7	106.3	78.9	118.3	120

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.







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DOOR (LM) | 02/20/24 | JENS ROSOWSKI | SE3550PGT

ALUMINUM STOREFRONT DOOR | 10 OF 20

DESIGN PRESSURE TABLE | SE-3550A

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 12:

Door Jamb Max. Anchor O.C. Spacing — Shim Thickness = 1/4"

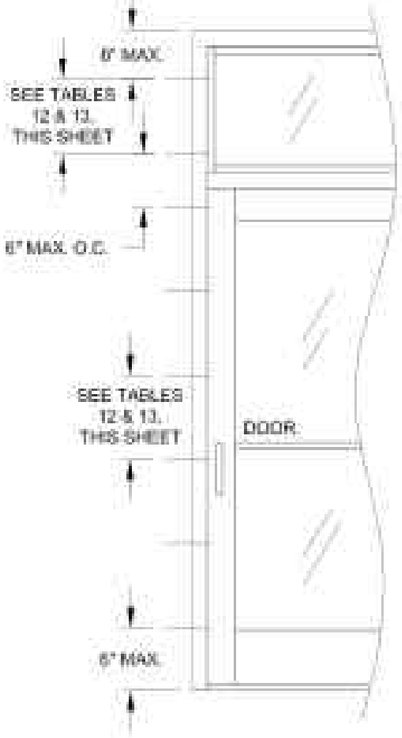
Overall Height	Door Frame Width: Single Door w/wo Transom	Double Door without Transom	Double Door with Transom	Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	Installed with Group "E" Anchors
78"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	16-1/2"	16"	16"	16"	16"
	36"	72"	48"	16-1/2"	16"	16-1/2"	16"	16"
	42"	84"	56"	13-3/16"	16"	13-3/16"	16"	16"
	48"	96"	64"	11"	16"	11"	16-1/2"	16"
	51-1/2"	99-1/2"	72"	9-7/16"	16-1/2"	9-7/16"	16-1/2"	16"
	-	-	75-1/2"	8-1/4"	16-1/2"	9-7/16"	13-3/16"	16"
84"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	16"	16"	16"	16"	16"
	36"	72"	48"	14-3/8"	16"	14-3/8"	16"	16"
	42"	84"	56"	12"	16"	14-3/8"	16"	16"
	48"	96"	64"	10-5/16"	16"	12"	16"	16"
	51-1/2"	99-1/2"	72"	10-5/16"	16"	10-5/16"	14-3/8"	16"
	-	-	75-1/2"	9"	14-3/8"	9"	14-3/8"	16"
90"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	16"	16"	16"	16"	16"
	36"	72"	48"	15-5/8"	16"	15-5/8"	16"	16"
	42"	84"	56"	13"	16"	13"	16"	16"
	48"	96"	64"	11-1/8"	16"	11-1/8"	16"	16"
	51-1/2"	99-1/2"	72"	9-3/4"	16"	9-3/4"	15-5/8"	16"
	-	-	75-1/2"	8-11/16"	15-5/8"	9-3/4"	15-5/8"	16"
97-3/4"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	17-1/8"	16"	16"	16"	16"
	36"	72"	48"	14-5/16"	16"	17-1/8"	16"	16"
	42"	84"	56"	12-1/4"	16"	14-5/16"	16"	16"
	48"	96"	64"	10-3/4"	16"	12-1/4"	17-1/8"	16"
	51-1/2"	99-1/2"	72"	9-1/2"	17-1/8"	10-3/4"	17-1/8"	16"
	-	-	75-1/2"	8-9/16"	17-1/8"	9-1/2"	14-5/16"	16"
108"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	16"	16"	16"	16"	16"
	36"	72"	48"	16"	16"	16"	16"	16"
	42"	84"	56"	13-11/16"	16"	13-11/16"	16"	16"
	48"	96"	64"	10-11/16"	16"	12"	16"	16"
	51-1/2"	99-1/2"	72"	9-5/8"	16"	10-11/16"	16"	16"
	-	-	75-1/2"	8-3/4"	16"	9-5/8"	13-11/16"	16"
120"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	16"	16"	16"	16"	16"
	36"	72"	48"	15-7/16"	16"	15-7/16"	16"	16"
	42"	84"	56"	13-1/2"	16"	13-1/2"	16"	16"
	48"	96"	64"	10-13/16"	16"	12"	16"	16"
	51-1/2"	99-1/2"	72"	9-13/16"	16"	10-13/16"	15-7/16"	16"
	-	-	75-1/2"	8"	15-7/16"	9-13/16"	15-7/16"	16"

TABLE 13:

Door Jamb Max. Anchor O.C. Spacing — Shim Thickness = 1/2"

Overall Height	Door Frame Width: Single Door w/wo Transom	Double Door without Transom	Double Door with Transom	Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	Installed with Group "E" Anchors
78"	24"	48"	-	16-1/2"	16-1/2"	16"	16"	16"
	30"	60"	-	13-3/16"	13-3/16"	16"	16"	16"
	36"	72"	48"	11"	11"	16-1/2"	16"	16"
	42"	84"	56"	9-7/16"	9-7/16"	13-3/16"	16-1/2"	16"
	48"	96"	64"	8-1/4"	8-1/4"	11"	16-1/2"	16"
	51-1/2"	99-1/2"	72"	7-5/16"	7-5/16"	9-7/16"	13-3/16"	16"
	-	-	75-1/2"	6-5/8"	6-5/8"	9-7/16"	13-3/16"	16"
84"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	14-3/8"	14-3/8"	16"	16"	16"
	36"	72"	48"	12"	12"	14-3/8"	16"	16"
	42"	84"	56"	10-5/16"	10-5/16"	14-3/8"	16"	16"
	48"	96"	64"	9"	9"	12"	14-3/8"	16"
	51-1/2"	99-1/2"	72"	8"	8"	10-5/16"	14-3/8"	16"
	-	-	75-1/2"	6-9/16"	6-9/16"	9"	12"	16"
90"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	15-5/8"	15-5/8"	16"	16"	16"
	36"	72"	48"	11-1/8"	11-1/8"	15-5/8"	16"	16"
	42"	84"	56"	9-3/4"	9-3/4"	13"	16"	16"
	48"	96"	64"	8-11/16"	8-11/16"	11-1/8"	15-5/8"	16"
	51-1/2"	99-1/2"	72"	7-13/16"	7-13/16"	9-3/4"	13"	16"
	-	-	75-1/2"	7-1/16"	7-1/16"	9-3/4"	13"	16"
97-3/4"	24"	48"	-	17-1/8"	17-1/8"	16"	16"	16"
	30"	60"	-	14-1/8"	14-1/4"	16"	16"	16"
	36"	72"	48"	12-3/16"	12-3/16"	17-1/8"	16"	16"
	42"	84"	56"	10-11/16"	10-11/16"	14-1/4"	17-1/8"	16"
	48"	96"	64"	9-9/16"	9-9/16"	12-3/16"	17-1/8"	16"
	51-1/2"	99-1/2"	72"	7-3/4"	7-3/4"	10-11/16"	14-1/4"	16"
	-	-	75-1/2"	7-1/8"	7-1/8"	9-1/2"	12-3/16"	16"
108"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	13-11/16"	13-11/16"	16"	16"	16"
	36"	72"	48"	12"	12"	16"	16"	16"
	42"	84"	56"	10-11/16"	10-11/16"	13-11/16"	16"	16"
	48"	96"	64"	8-3/4"	8-3/4"	12"	16"	16"
	51-1/2"	99-1/2"	72"	8"	8"	10-11/16"	13-11/16"	16"
	-	-	75-1/2"	6-7/8"	6-7/8"	9-5/8"	12"	16"
120"	24"	48"	-	16"	16"	16"	16"	16"
	30"	60"	-	15-7/16"	15-7/16"	16"	16"	16"
	36"	72"	48"	12"	12"	15-7/16"	16"	16"
	42"	84"	56"	9-13/16"	9-13/16"	13-1/2"	16"	16"
	48"	96"	64"	9"	9"	12"	15-7/16"	16"
	51-1/2"	99-1/2"	72"	7-11/16"	7-11/16"	10-13/16"	13-5/8"	16"
	-	-	75-1/2"	7-3/16"	7-3/16"	9-13/16"	12"	16"

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



JAMB ANCHOR PATTERN FOR SINGLE AND DOUBLE DOORS (SHOWN WITH TRANSOM, WITHOUT TRANSOM SIMILAR)

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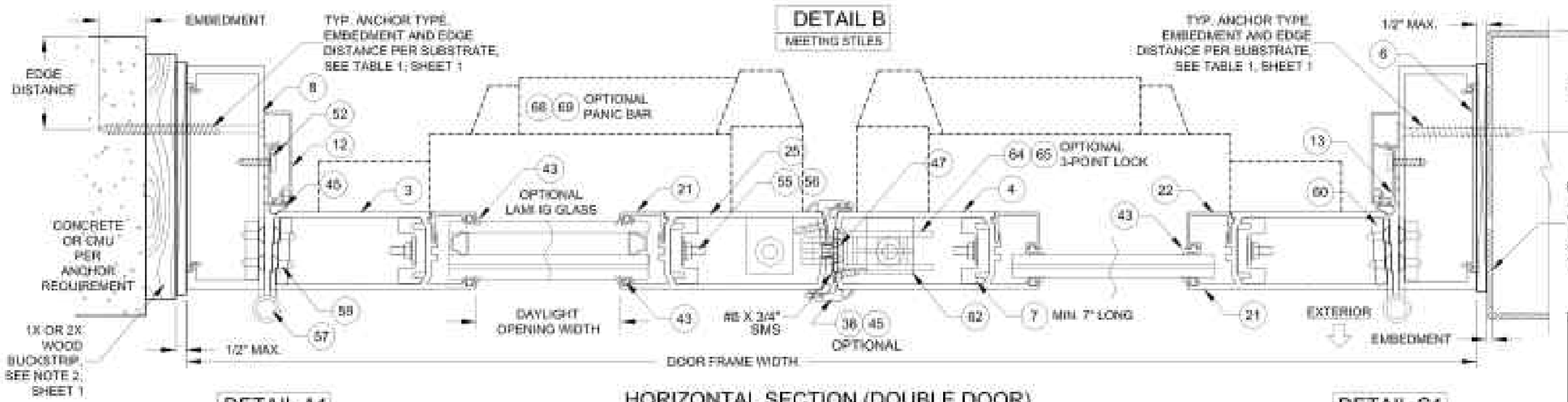
ALUMINUM STOREFRONT DOOR (LM)

ANCHOR SPACING TABLE

11 OF 20

SE-3550A

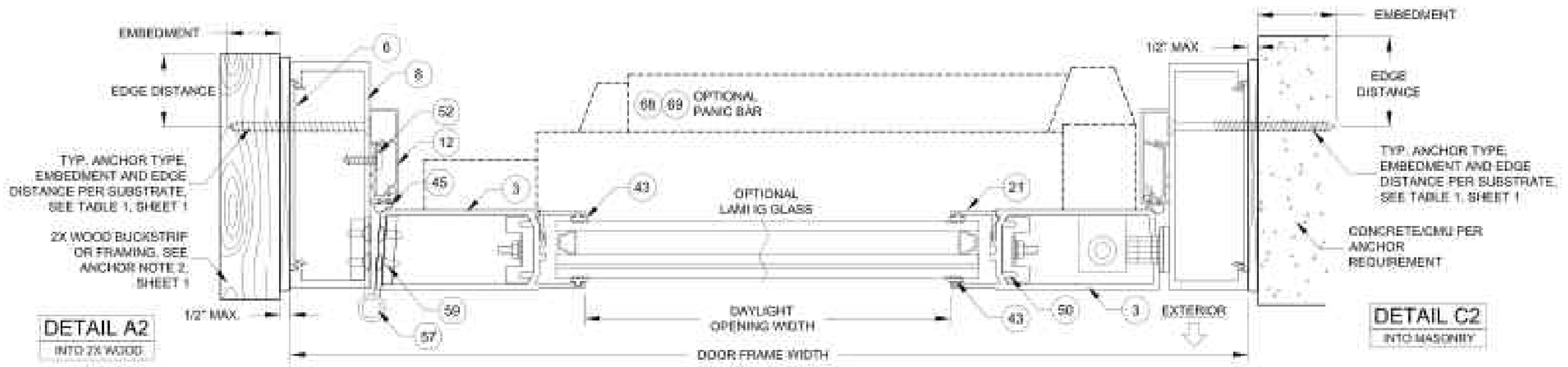
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P.E.# 58705



DETAIL A1
THRU 1X WOOD
INTO MASONRY

HORIZONTAL SECTION (DOUBLE DOOR)

DETAIL C1
INTO METAL



DETAIL A2
INTO 2X WOOD

HORIZONTAL SECTION
(SINGLE DOOR)

DETAIL C2
INTO MASONRY

NOTES:

1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 1. ANY INSTALLATION OPTION SHOWN MAY BE USED. ALL ANCHOR HEAD TYPES ARE ALLOWED.

A	08/20/25
REMOVED P#'S 5 & 27; REVISED P# 12, 43, 46 & 47	

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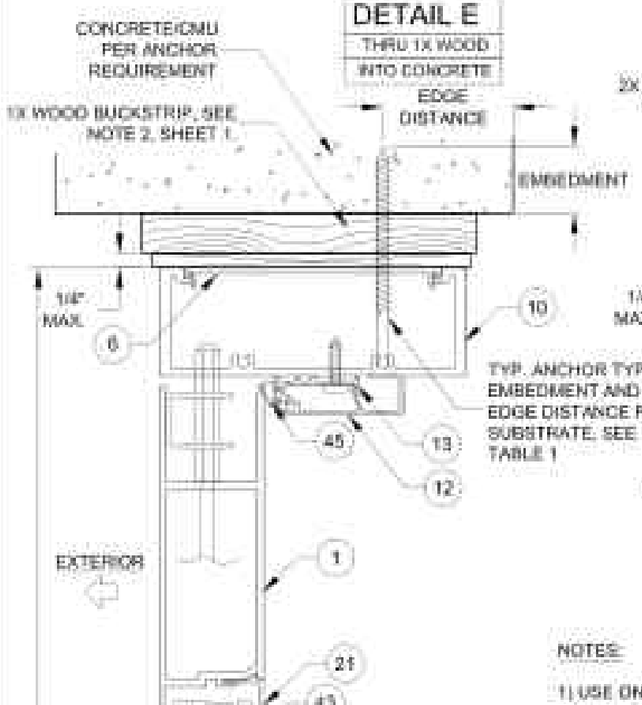
ALUMINUM STOREFRONT DOOR (LM)

HORIZ. INSTALLATION DETAILS

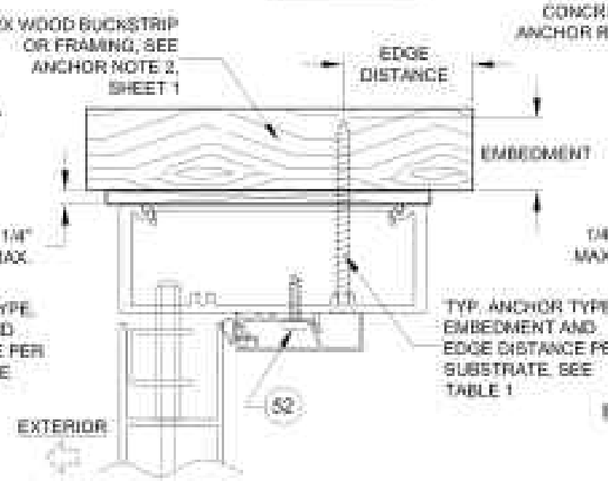
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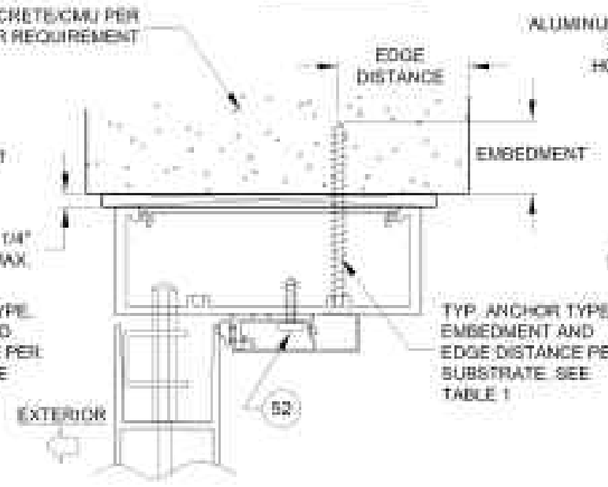
DETAIL E
THRU 1X WOOD INTO CONCRETE



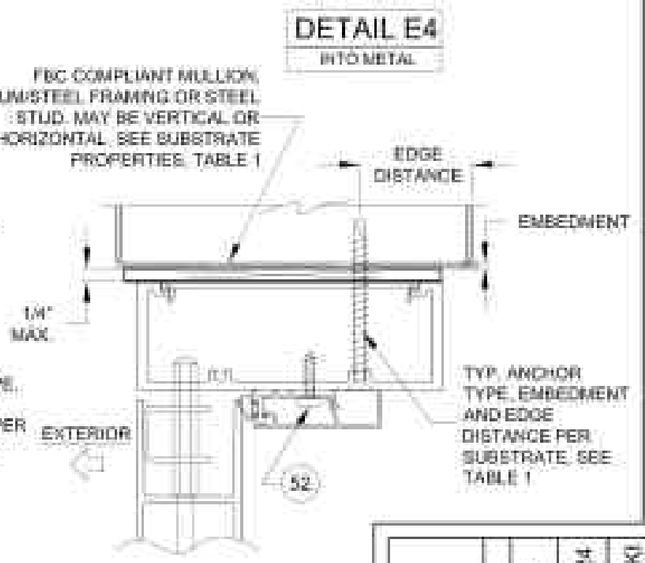
DETAIL E2
INTO WOOD

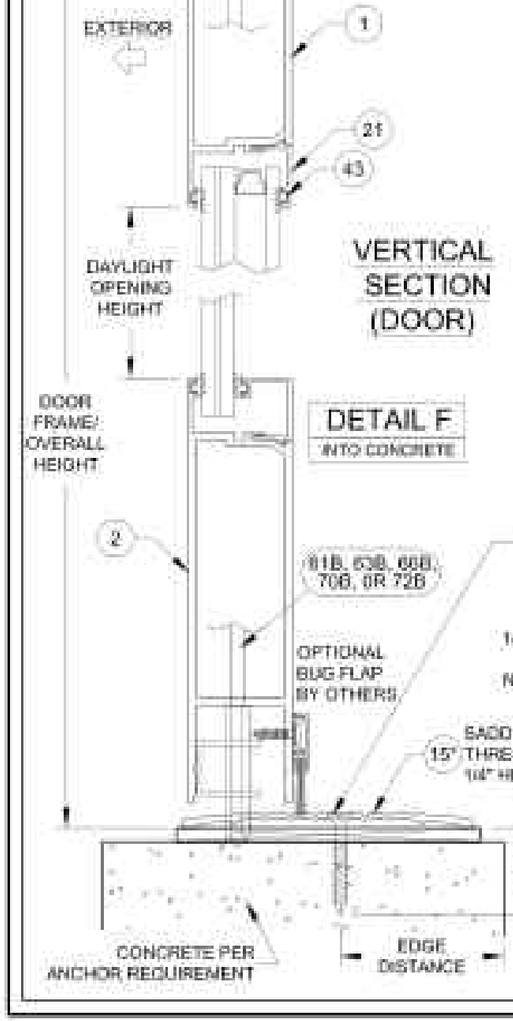


DETAIL E3
INTO MASONRY



DETAIL E4
INTO METAL

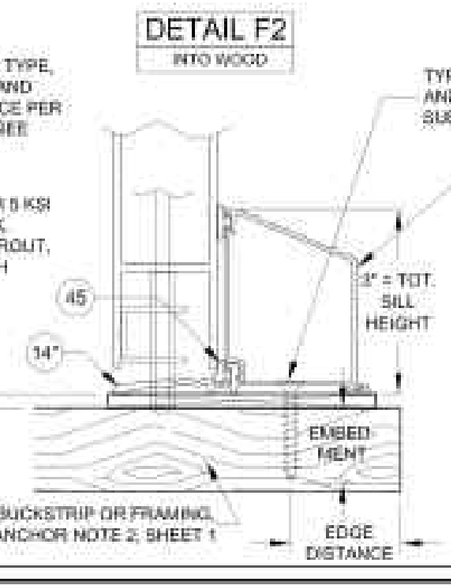




VERTICAL SECTION (DOOR)

DETAIL F
INTO CONCRETE

DETAIL F2
INTO WOOD



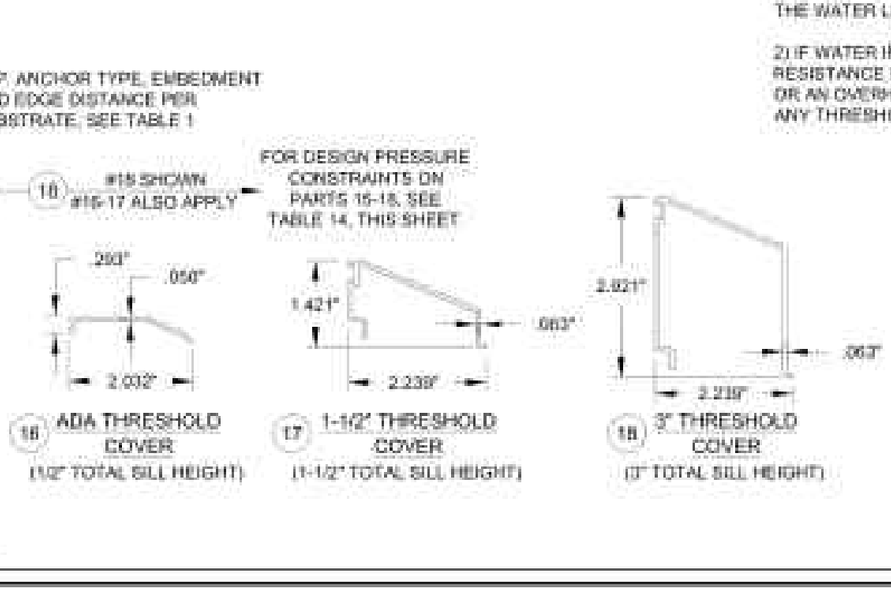
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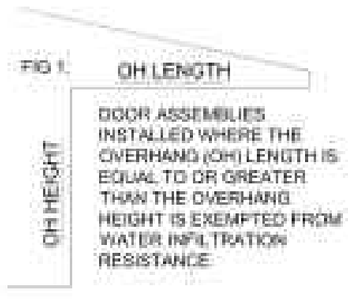
1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS. FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 1. ANY INSTALLATION OPTION SHOWN MAY BE USED. ALL ANCHOR HEAD TYPES ARE ALLOWED.

*SEE SHEET 16 FOR REQUIRED ATTACHMENT OF THRESHOLD ANGLE.

TABLE 14

Water-Limited (+) DP			
Nominal Sill Height	Part #	Max. (+) DP Allowed	Limitations
1/4" (Saddle Threshold)	15	Not Rated for Water Infiltration	Overhang always required. Not available for Single Door sizes over 39-1/2" x 97-3/4" or Double Door sizes over 75-1/2" x 97-3/4".
1/2" (ADA Threshold)	14 & 16	+20 psf	Water-limited to a positive Design Pressure of +20.0 psf for Single Door sizes over 39-1/2" x 97-3/4" or Double Door sizes over 75-1/2" x 97-3/4".
1-1/2"	14 & 17	+50 psf	
3"	14 & 18	+80 psf	





1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, TABLE 14 MUST BE USED TO DETERMINE THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR AN OVERHANG IS AS PER FIG 1, ANY THRESHOLD MAY BE USED.

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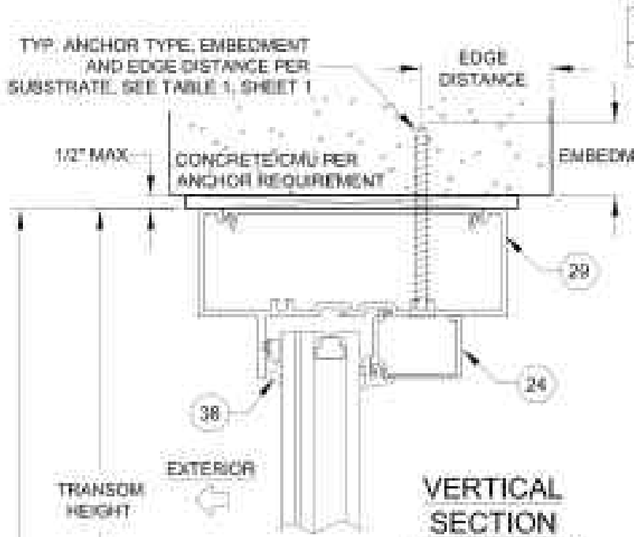
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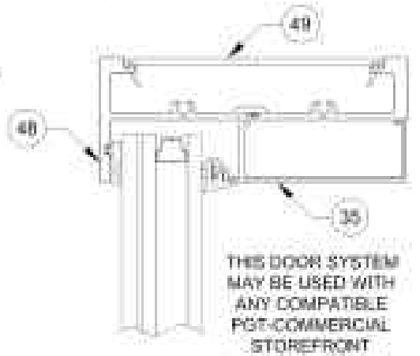
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ALUMINUM STOREFRONT DOOR (LM)
VERT. INSTALLATION DETAILS
SE-3550A
13 OF 20

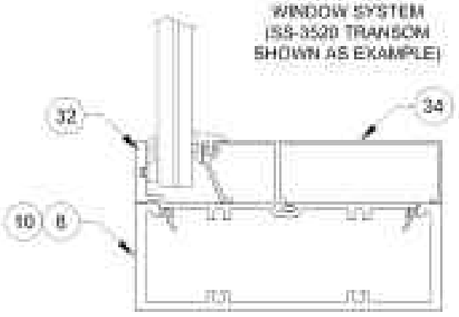
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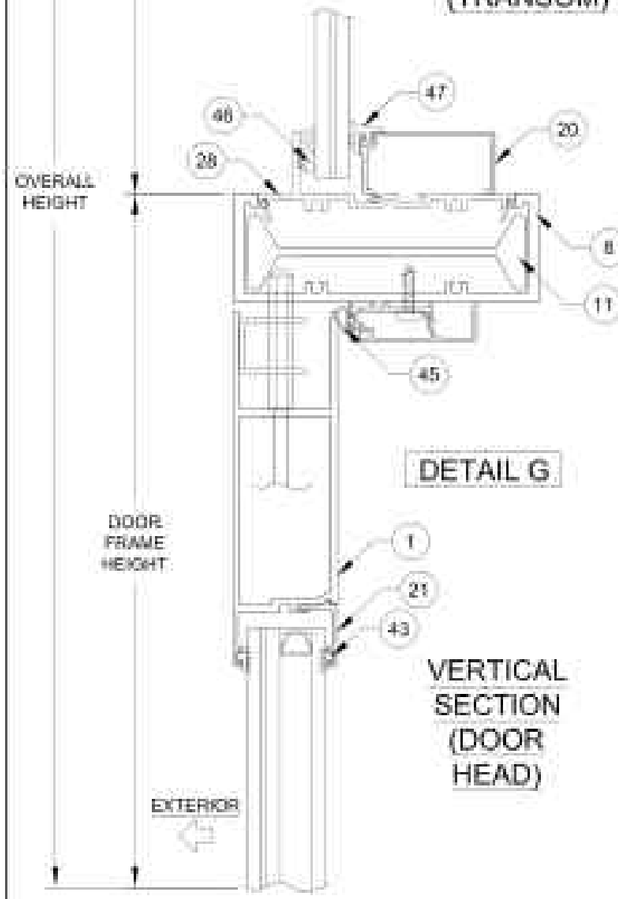


VERTICAL SECTION (TRANSOM)

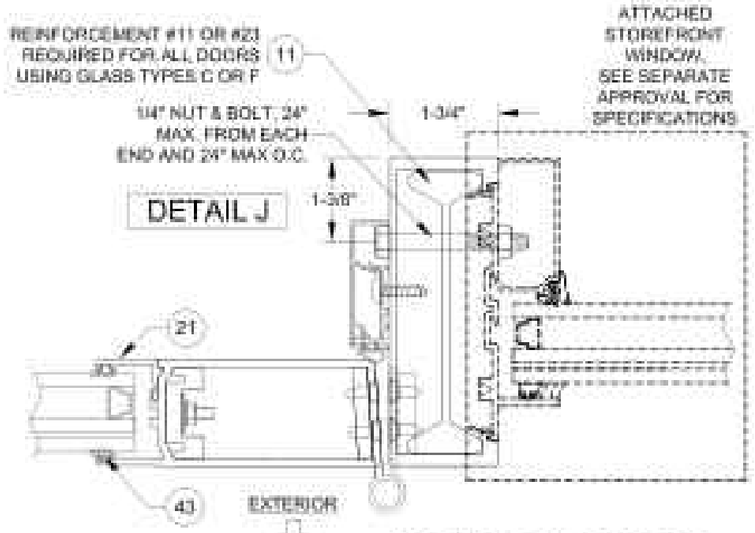


THIS DOOR SYSTEM MAY BE USED WITH ANY COMPATIBLE PGT-COMMERCIAL STOREFRONT WINDOW SYSTEM (SS-3520 TRANSOM SHOWN AS EXAMPLE)

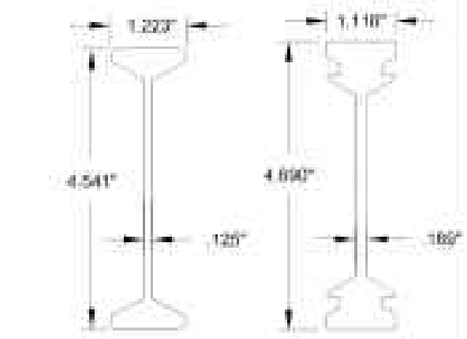




VERTICAL SECTION (DOOR HEAD)



HORIZONTAL SECTION (DOOR TO STOREFRONT WINDOW)



NOTES:

1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 1. ANY INSTALLATION OPTION SHOWN MAY BE USED. ALL ANCHOR HEAD TYPES ARE ALLOWED.

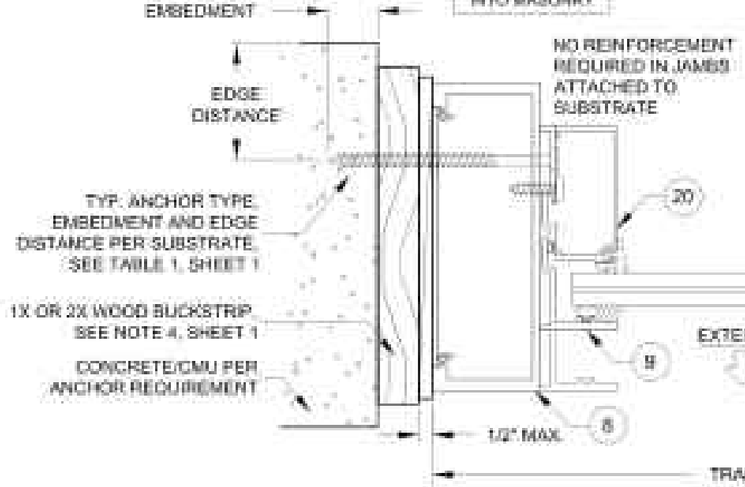
DETAIL F

INTO MASONRY

DETAIL G

DETAIL H

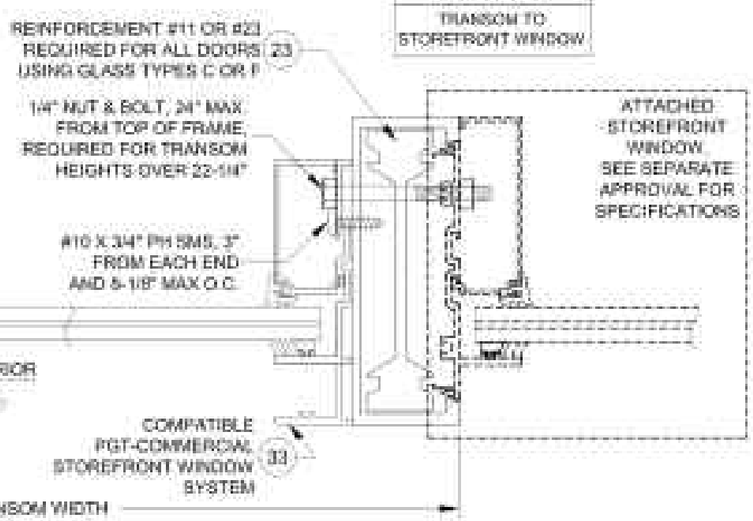
THRU 1X WOOD INTO MASONRY



HORIZONTAL SECTION (TRANSOM JAMB)

DETAIL I

TRANSOM TO STOREFRONT WINDOW



HORIZONTAL SECTION (TRANSOM TO STOREFRONT WINDOW)

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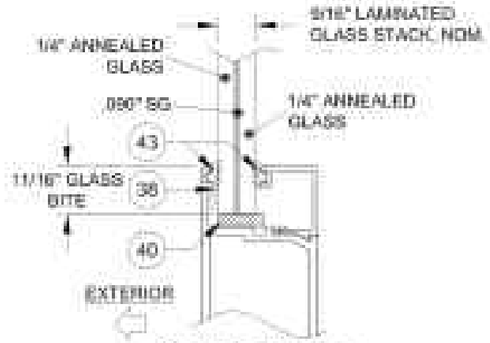
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ALUMINUM STOREFRONT DOOR (LM)

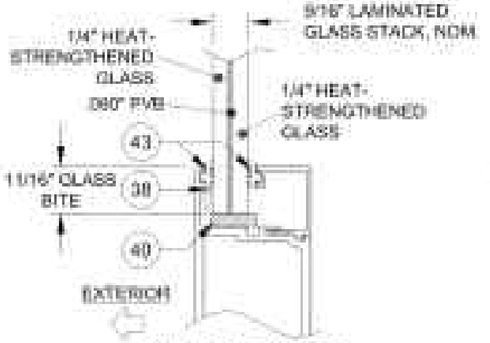
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PAGE NO.	14 OF 20
SCALE	SE-3550A

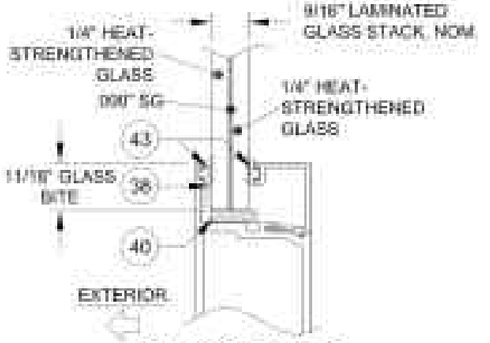
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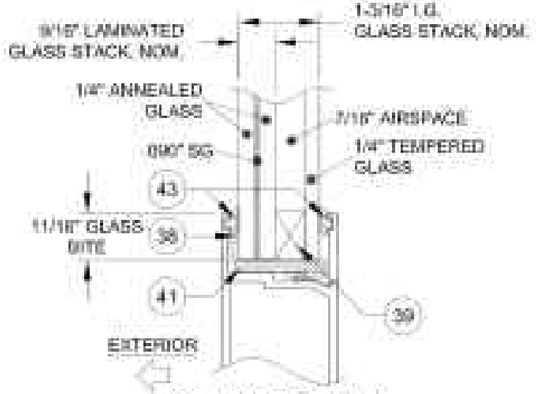
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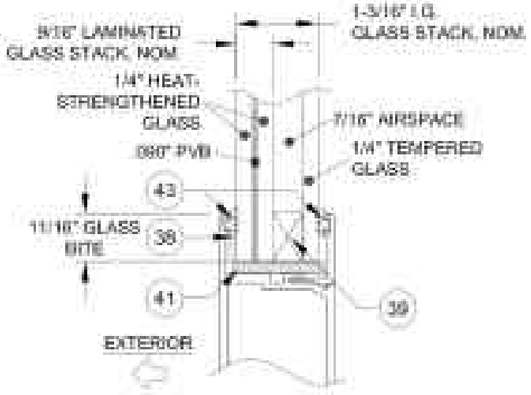
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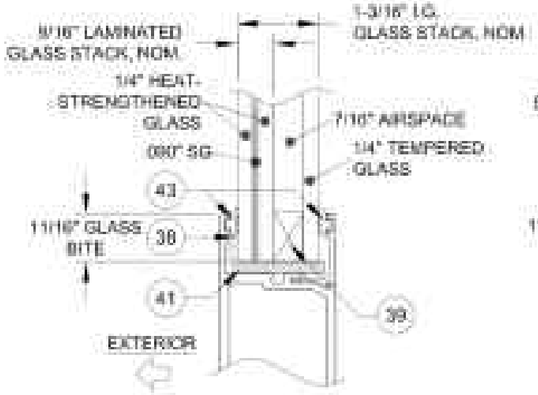
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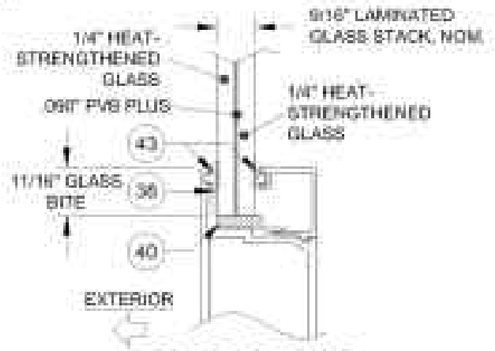
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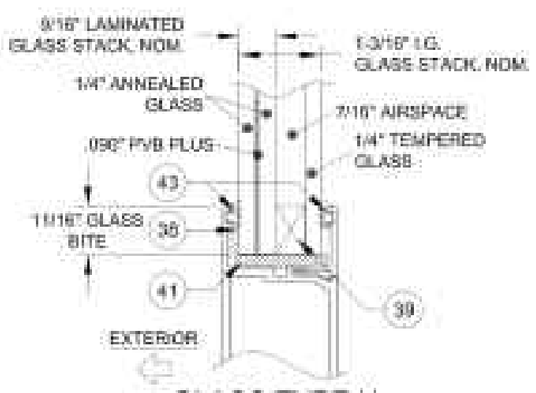
GLASS TYPE E



GLASS TYPE F



GLASS TYPE G



GLASS TYPE H

NOTES:

1) GLAZING FOR ALL GLASS TYPES MEETS ASTM E1300 FOR ALL APPROVED DOOR PANEL AND TRANSOM SIZES.

2) "PVB" = .090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.
"SG" = .090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.

A

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ALUMINUM STOREFRONT DOOR (LM)

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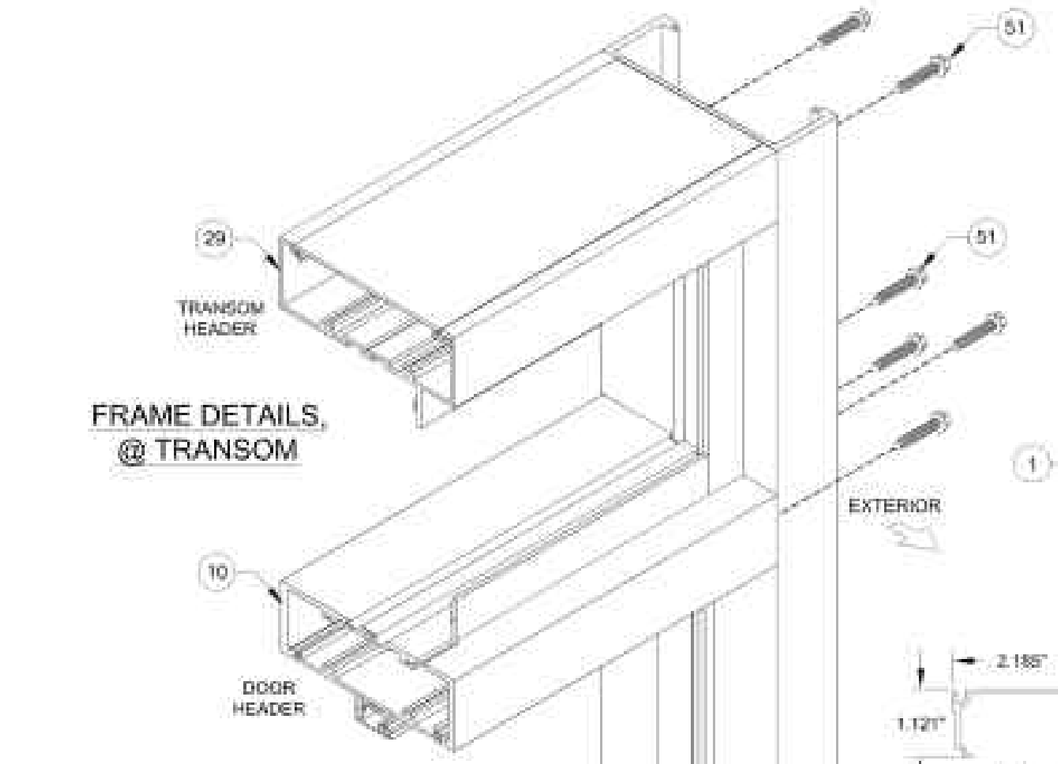
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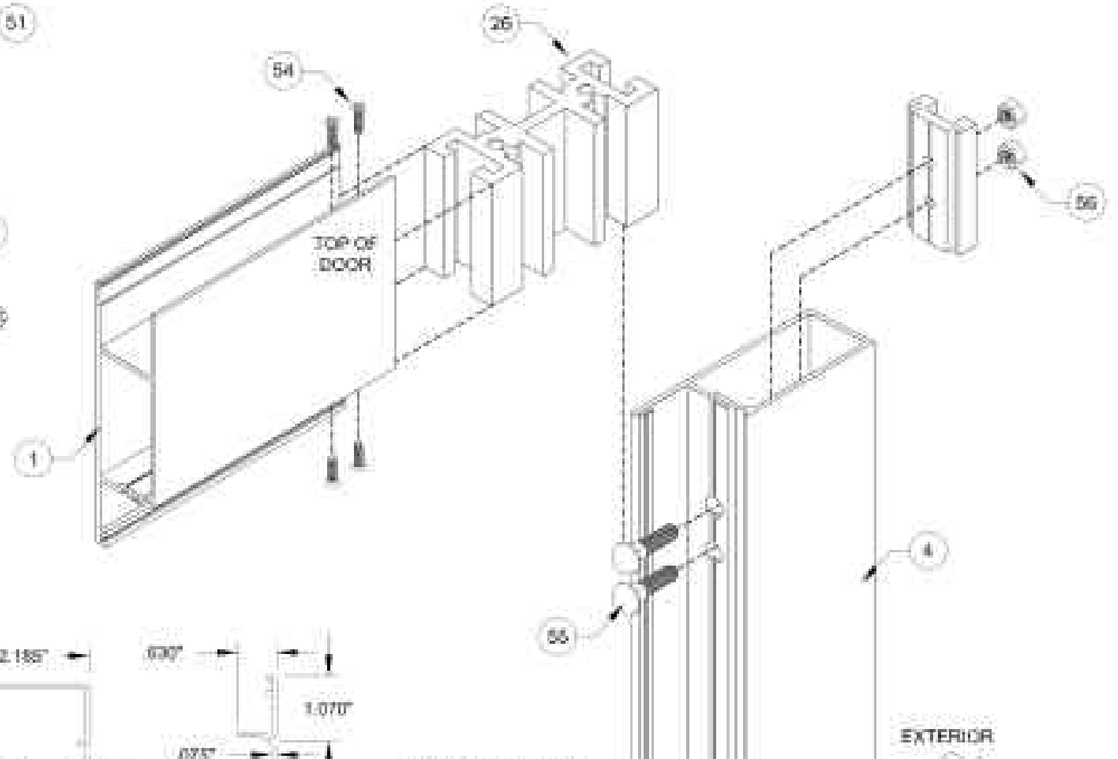
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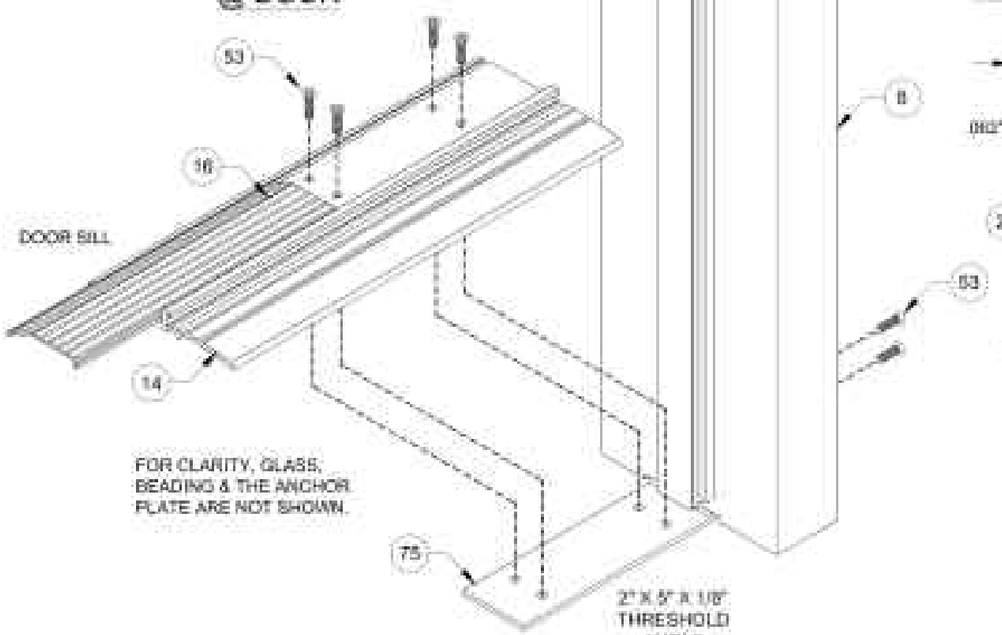
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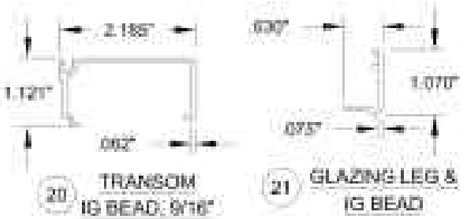
FRAME DETAILS, @ TRANSOM

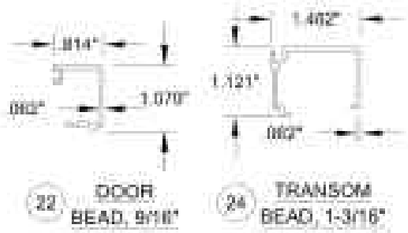




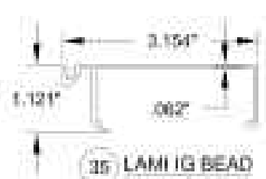
FRAME DETAILS, @ DOOR



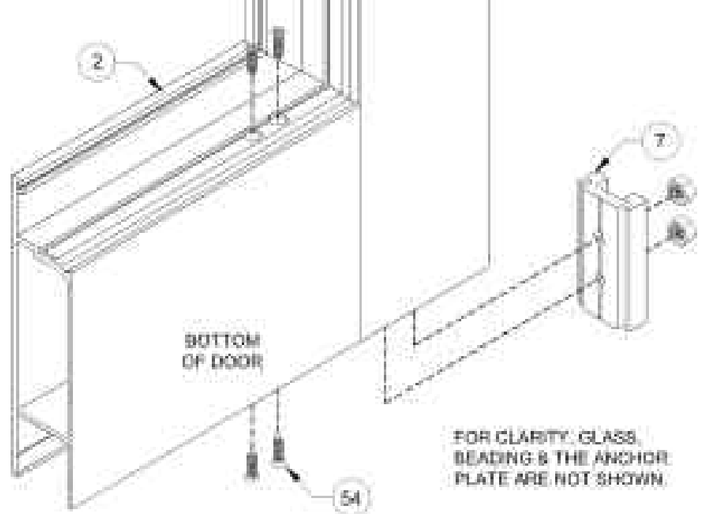








DOOR SLAB DETAILS



A	08/20/25	REVISED P# 20

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REGISTRATION #29296

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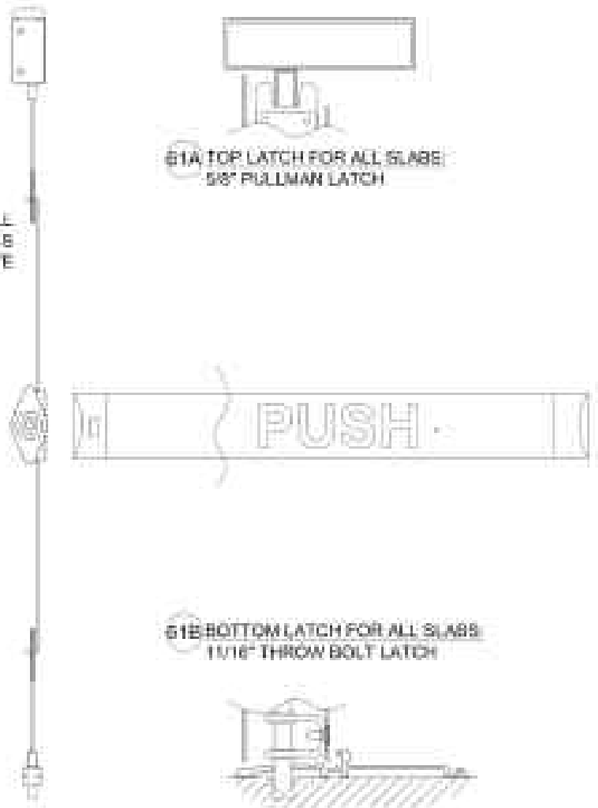
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ALUMINUM STOREFRONT DOOR (LM)		02/20/24	
EXPLODED VIEW		JENS ROSOWSKI	
SE-3550A		SE3550PGT	

ANTHONY LYNN MILLER
LICENSE
No. 58705
08/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

LOCK OPTION #1
(MAX. DP OF +90.0/-120.0)

60 FOR ALL SLABS:
2-POINT PANIC BAR, ALL SLABS
REGENT SERIES 5770
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.

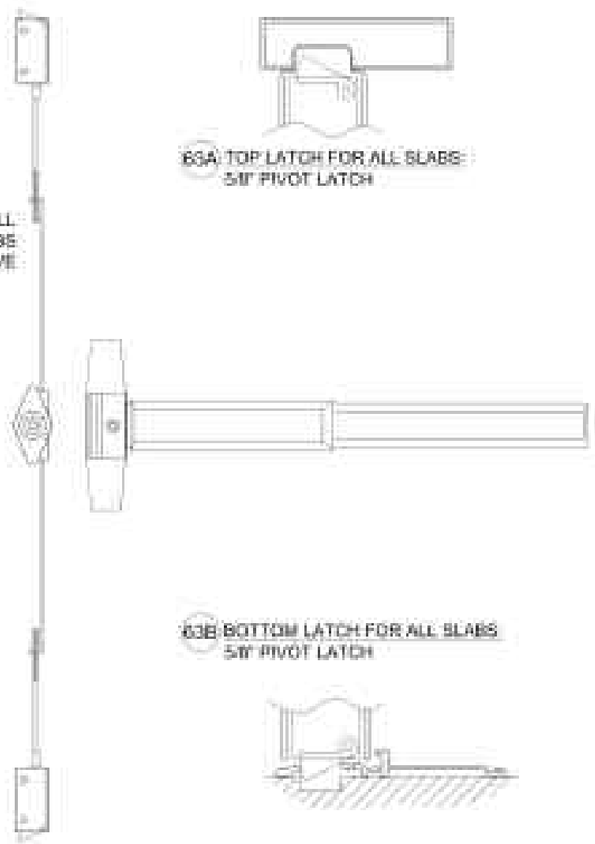


61A TOP LATCH FOR ALL SLABS:
5/8" PULLMAN LATCH

61B BOTTOM LATCH FOR ALL SLABS
11/16" THROW BOLT LATCH

LOCK OPTION #2
(MAX. DP OF +90.0/-120.0)

62 LOCK FOR ALL SLABS:
2-POINT PANIC BAR, ALL SLABS
VON DUPRIN SERIES 3347
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.



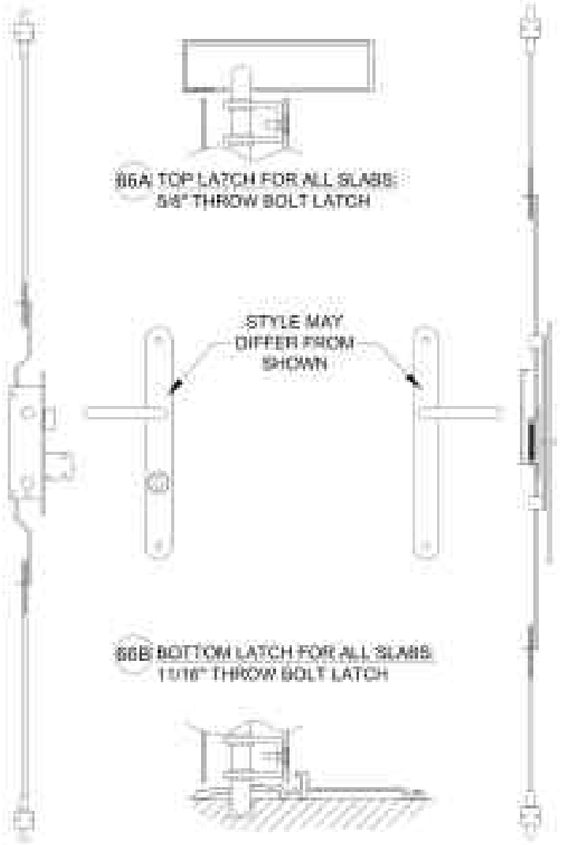
63A TOP LATCH FOR ALL SLABS:
5/8" PIVOT LATCH

63B BOTTOM LATCH FOR ALL SLABS
5/8" PIVOT LATCH

LOCK OPTION #3 (RESIDENTIAL)
(MAX. DP OF +90.0/-120.0)

64 LOCK FOR ACTIVE SLAB:
3-POINT LOCK SYSTEM
REGENT SERIES 206,2-3P
LEVER WITH KEY ON EXT.
LEVER WITH THUMB-TURN ON INT.

65 LOCK FOR NON-ACTIVE SLAB:
2-POINT LOCK SYSTEM
REGENT SERIES ML207-TT-2PT
INT./EXT. LEVER



66A TOP LATCH FOR ALL SLABS:
5/8" THROW BOLT LATCH

66B BOTTOM LATCH FOR ALL SLABS
11/16" THROW BOLT LATCH

TABLE 10A

Part #	Lock Option #	Hardware Description
60	1	Panic Bar Hardware Kit, Regent 5770
61A		Top Latch Kit for #60
61B		Bottom Latch Kit for #60
62	2	Panic Bar Hardware Kit, Von Duprin 3347
63A		Top Latch Kit for #62
63B		Bottom Latch Kit for #62
64	3	3-Point Lock Hardware Kit, Regent 206 2
65		2-Point Lock Hardware Kit, Regent ML207
66A		Top Latch Kit for #64 & 65
66B		Bottom Latch Kit for #64 & 65

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ALUMINUM STOREFRONT DOOR (LM) | 02/20/24 | JENS ROSOWSKI | SE3550PGT

HARDWARE TYPES | SE-3550A | 17 OF 20

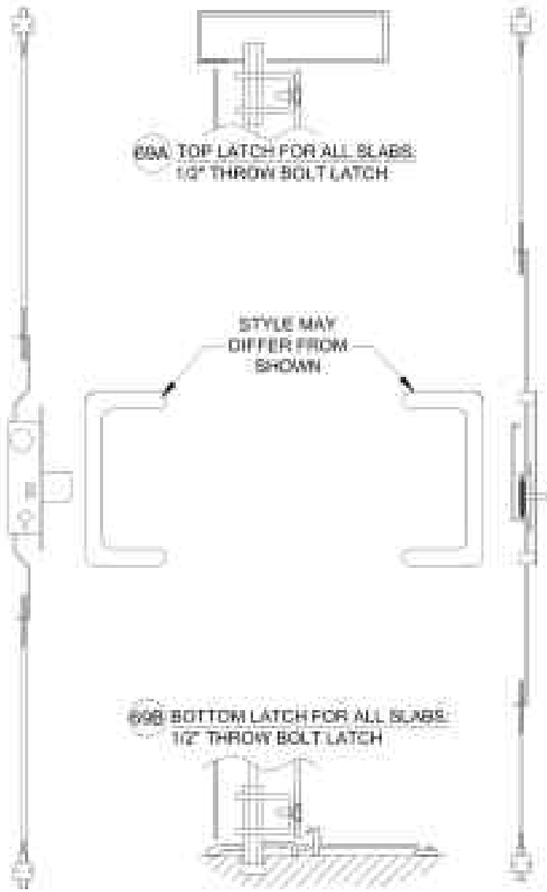
ANTHONY LYNN MILLER LICENSE No. 58705 08/20/25 STATE OF FLORIDA PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

LOCK OPTION #4 (COMMERCIAL)

(MAX. DP OF +90.0/-120.0)

(67) LOCK FOR ACTIVE SLABS:
3-POINT LOCK SYSTEM
REGENT SERIES 2222
KEY OPERATED ON EXT.
THUMB-TURN ON INT.

(68) LOCK FOR NON-ACTIVE SLABS:
2-POINT LOCK SYSTEM
REGENT SERIES 2-PT-L
KEY OPERATED ON EXT.
THUMB-TURN ON INT.

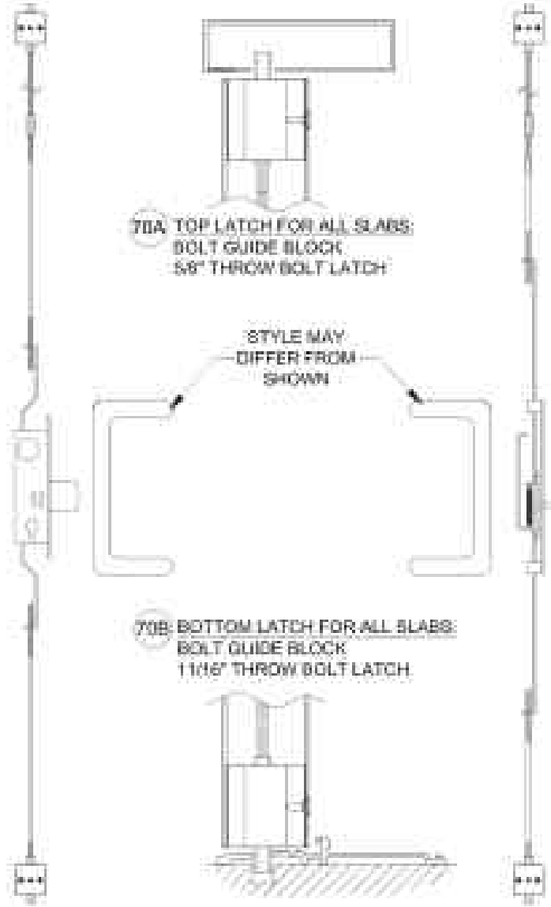


LOCK OPTION #5 (HD COMMERCIAL)

(MAX. DP OF +90.0/-100.0)

(67) LOCK FOR ACTIVE SLABS:
3-POINT LOCK SYSTEM
REGENT SERIES 2222
KEY OPERATED ON EXT.
THUMB-TURN ON INT.

(68) LOCK FOR NON-ACTIVE SLABS:
2-POINT LOCK SYSTEM
REGENT SERIES 2-PT-L
KEY OPERATED ON EXT.
THUMB-TURN ON INT.

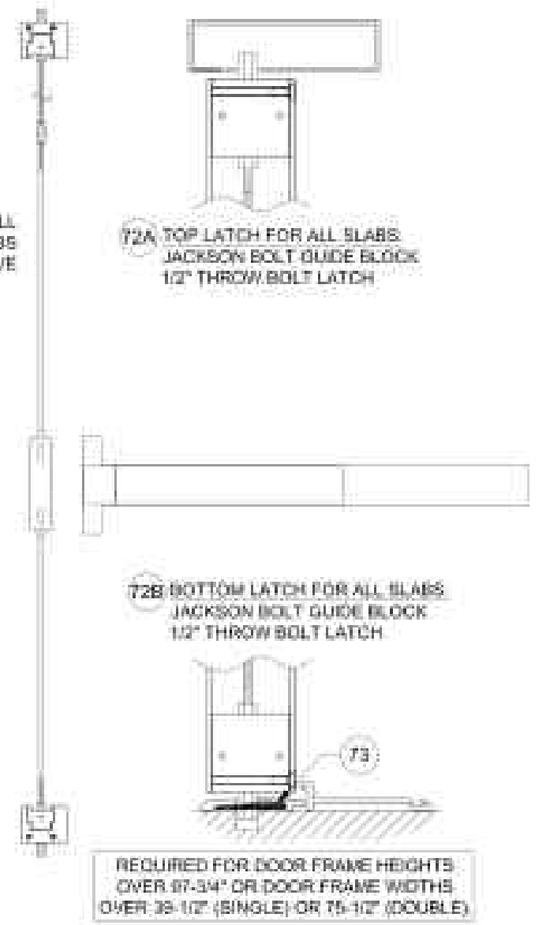


REQUIRED FOR DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 39-1/2" (SINGLE) OR 75-1/2" (DOUBLE)

LOCK OPTION #6

(MAX. DP OF +90.0/-100.0)

(71) LOCK FOR ALL SLABS:
2-POINT PANIC BAR, ALL SLABS
JACKSON SERIES 2088
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.



REQUIRED FOR DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 39-1/2" (SINGLE) OR 75-1/2" (DOUBLE)

TABLE 160

Part #	Lock Option #	Hardware Description
67	4	3-Point Lock Hardware Kit, Regent 2222
68		2-Point Lock Hardware Kit, Regent 2-PT-L
69A		Top Latch Kit for #67 & 68
69B		Bottom Latch Kit for #67 & 68
67	5	3-Point Lock Hardware Kit, Regent 2222
68		2-Point Lock Hardware Kit, Regent 2-PT-L
70A		Top Latch Kit for #67 & 68, with Bolt Guide Block
70B		Bottom Latch Kit for #67 & 68, with Bolt Guide Block

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ALUMINUM STOREFRONT DOOR (LM)

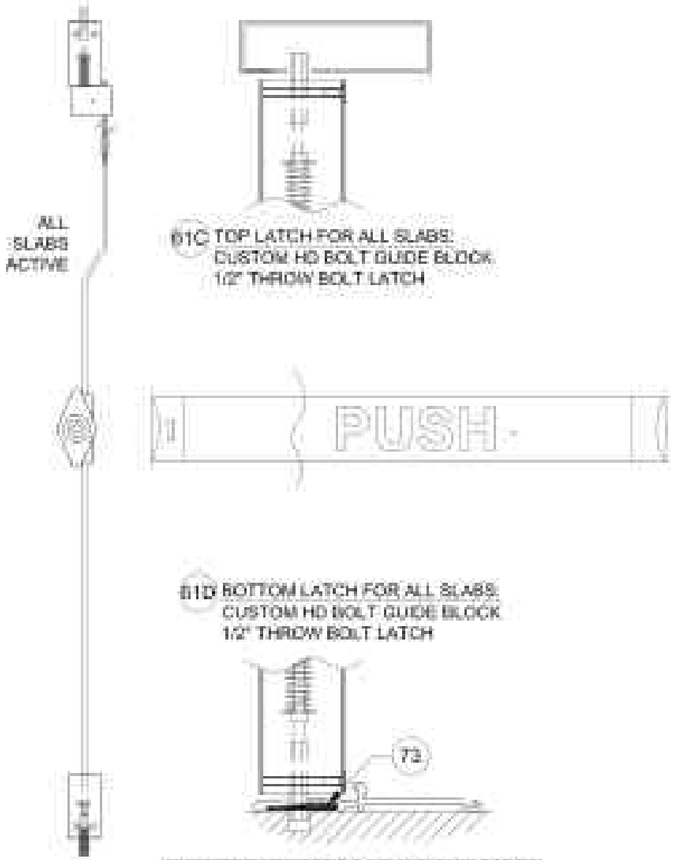
HARDWARE TYPES

A	02/20/24	JENS ROSOWSKI	SE3550PGT
		SE-3550A	18 OF 20

ANTHONY LYNN MILLER
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STATE OF FLORIDA
PROFESSIONAL ENGINEER
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P.E.# 58705

LOCK OPTION #7
(MAX. DP OF +90.0/-100.0)

60 LOCK FOR ALL SLABS:
3-POINT PANIC BAR, ALL SLABS
REGENT SERIES 5770
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.



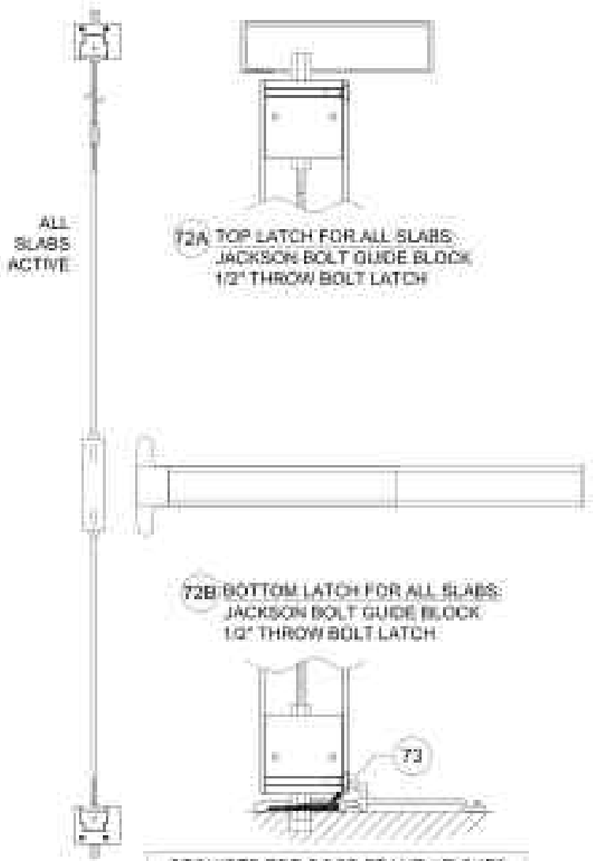
61C TOP LATCH FOR ALL SLABS:
CUSTOM HD BOLT GUIDE BLOCK
1/2" THROW BOLT LATCH

61D BOTTOM LATCH FOR ALL SLABS:
CUSTOM HD BOLT GUIDE BLOCK
1/2" THROW BOLT LATCH

REQUIRED FOR DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 39-1/2" (SINGLE) OR 75-1/2" (DOUBLE).

LOCK OPTION #8
(MAX. DP OF +90.0/-100.0)

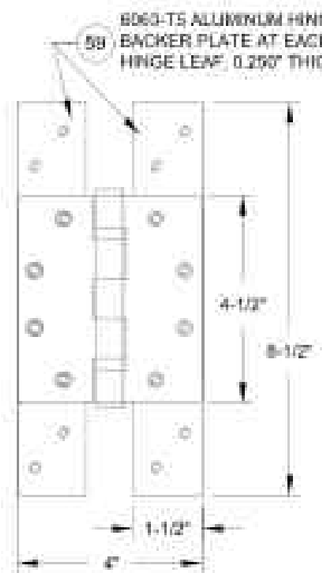
77 LOCK FOR ALL SLABS:
2-POINT PANIC BAR, ALL SLABS
REGENT SERIES 5899
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.



72A TOP LATCH FOR ALL SLABS:
JACKSON BOLT GUIDE BLOCK
1/2" THROW BOLT LATCH

72B BOTTOM LATCH FOR ALL SLABS:
JACKSON BOLT GUIDE BLOCK
1/2" THROW BOLT LATCH

REQUIRED FOR DOOR FRAME HEIGHTS OVER 97-3/4" OR DOOR FRAME WIDTHS OVER 39-1/2" (SINGLE) OR 75-1/2" (DOUBLE).



59 6063-T5 ALUMINUM HINGE BACKER PLATE AT EACH HINGE LEAF, 0.250" THICK

57 REGENT SERIES 4007 BUTT HINGE, 0.134" THICK

TABLE 16C

Part #	Lock Option #	Hardware Description
71	6	Panic Bar Hardware Kit, Jackson
72A		Top Latch Kit for #71 with Jackson Bolt Guide Block
72B		Bottom Latch Kit for #71 with Jackson Bolt Guide Block
73		Aluminum Sill Reinforcement Plate, 6"
60	7	Panic Bar Hardware Kit, Regent 5770
61C		HD Top Latch Kit for #60
61D		HD Bottom Latch Kit for #60
73		Aluminum Sill Reinforcement Plate, 6"
77	8	Panic Bar Hardware Kit, Regent
72A		Top Latch Kit for #71 with Jackson Bolt Guide Block
72B		Bottom Latch Kit for #71 with Jackson Bolt Guide Block
73		Aluminum Sill Reinforcement Plate, 6"

A	08/20/25	REVISED HINGE DESCRIP.

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02/20/24 | JENS ROSOWSKI | SE3550PGT

ALUMINUM STOREFRONT DOOR (LM)

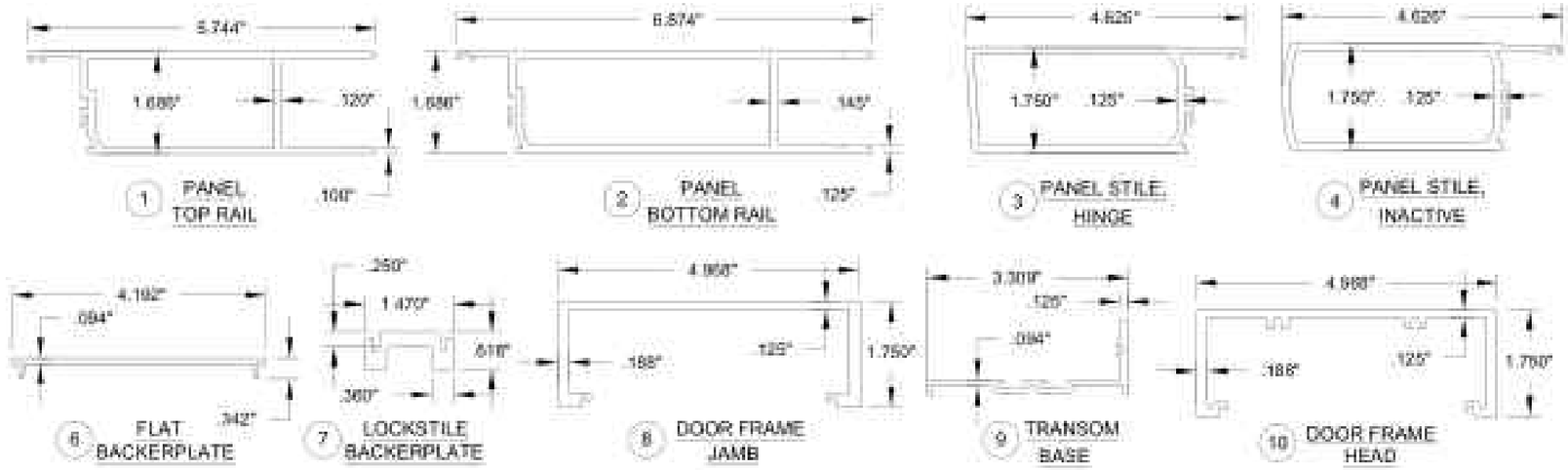
HARDWARE TYPES | 19 OF 20 | SE-3550A

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P.E.# 58705

TABLE 10

Item #	Part #	Description	Material
1	004	Door Leaf Inside Rail	6063-T6 Alum.
2	007	Door Leaf Bottom Rail	6063-T6 Alum.
3	008	Active Door Stile	6063-T6 Alum.
4	009	Inactive Door Stile	6063-T6 Alum.
5	033	Flat Strap Cover	6063-T6 Alum.
6	032	Lock Side Backer Plate	6063-T6 Alum.
7	014	Door Frame Head/Jamb	6063-T6 Alum.
8	044	Transom Jamb Adapter	6063-T6 Alum.
9	013	Door Frame Head/Jamb	6063-T6 Alum.
10	021	Door Alum. Reinforcement	6063-T6 Alum.
11	016	Door Stop Cover	6063-T6 Alum.
12	017	Door Stop Base	6063-T6 Alum.
13	018	Door Frame Jamb	6063-T6 Alum.
14	024	Saddle Threshold	6063-T6 Alum.
15	027	10" ADF Threshold Cover	6063-T6 Alum.
16	026	7-1/2" Threshold Cover	6063-T6 Alum.
17	028	5" Threshold Cover	6063-T6 Alum.
18	010	10" Door Bottom Rail (ADA Compliant)	6063-T6 Alum.
19	029	4-1/8" Inactive Lid Glass Stop	6063-T6 Alum.
20	030	1-3/8" LID Door Glass Stop	6063-T6 Alum.
21	031	5/16" Light Door Glass Stop	6063-T6 Alum.
22	022	LID Alum Reinforcement	6063-T6 Alum.
23	048	1-1/16" LID Transom Glass Stop	6063-T6 Alum.
24	020	Active Door Stile (Lock Side A-A)	6063-T6 Alum.
25	038	Sheet Mock	6063-T6 Alum.
26	002	Figure Fillet	6063-T6 Alum.
27	001	Hinge Rail / Jamb	6063-T6 Alum.
28	045	Door Narrow Stop Cover	6063-T6 Alum.
29	046	Door Narrow Stop Base	6063-T6 Alum.
30	012	Recommend Pocket Filler	6063-T6 Alum.
31	212	Door Transom Adapter	6063-T6 Alum.
32	704	4-1/8" Lami Glass Stop	6063-T6 Alum.
33	705	1-3/16" LID Glass Stop	6063-T6 Alum.
34	043	Threshold Astragal	6063-T6 Alum.
35		Each weatherstrip Screw 791, 883, 885 or #304 7750	Stainless
36		45 Spacer	Vinyl
37	MISC - 120	Lam Glazing Blocks For Panel	EPDM
38	MISC - 125	Lite Setting Blocks For Panel	EPDM
39	GSKT - 016	Door Glazing Leg & Glass Stop Gasket	EPDM
40	GSKT - 020	Door Threshold, Stop Strap & Astragal Depth Gasket	Flex PVC 70
41	GSKT - 007	Transom Glazing Leg Gasket	Santoprene
42	GSKT - 008	Transom Glass Stop Gasket	EPDM
43	SCMS - 001	Head Reinforcement	6063-T6 Alum.
44	SCMS - 003	Flat Filler Plate (used with non-reinf. mullion)	6063-T6 Alum.
45	SCRW - 010	Stainless Door Frame Screw: #12 x 1-1/2" Hex Washer	Stainless Steel
46	SCRW - 015	Door Stop Base And Glazing Leg Screw #10 x 3/4" Ph.	Stainless Steel
47	SCRW - 026	Threshold Angle Clip Screw #6 x 3/8" Ph.	Stainless Steel
48	SCRW - 041	Stainless 3D Screw 1/4" x 1-1/2" Pbl.	Stainless Steel
49	SCRW - 039	Door Panel Assembly Rib: 3/16" -16 x 1"	Stainless Steel
50	SCRW - 040	Door Panel Assembly Rib: 3/16" -16 x 1"	Stainless Steel
51	HNG - 011	Regent Butt Hinge Swage W/B Screws	Stainless Steel
52	HNG - 018-038	Regent Hinge Mounting Plate W/ M6x1 (Pin Frame)	6061-T6 Alum.
53	SCRW - 076	Regent Hinge Locking Plate Screw #12-24 x 1/2" Ph.	Stainless Steel
54	SCRW - 035	#8 x 5/8" Ph. PH Screw, Bugleweb	Stainless Steel
55	WSHR - 008	2" x 3" Threshold Angle Clip	6063-T6 Alum.

ADDITIONAL EXTRUSIONS ON SHEETS 13, 14 & 16.



REMOVED P# 5 & 27, REV. P# 12, 20, 43, 46 & 47	08/20/25	A

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02/20/24 — DRAWN (LM) — JENS ROSOWSKI

ALUMINUM STOREFRONT DOOR (LM)

BOM / EXTRUSIONS

SE-3550A — 20 OF 20 — SE3550PGT

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08/20/25
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