

GENERAL NOTES: SE-3550 IMPACT-RESISTANT, OUTSWING STOREFRONT ENTRANCE DOOR

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FBC, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- SHUTTERS ARE NOT REQUIRED PER FBC REQUIREMENTS, WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- GLAZING TYPE: SEE GLAZING DETAILS ON SHEET 15.
- DESIGN PRESSURES:
 - NEGATIVE DESIGN LOADS BASED ON STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300
 - POSITIVE DESIGN LOADS BASED ON WATER INFILTRATION, STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300
 - DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- 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.
- FRAME CORNERS TO BE SEALED WITH NARROW JOINT SEALANT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS OF THE FBC, AS APPLICABLE.
- 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.
- REFERENCES: DEWALT ANCHOR NOA'S; TEST REPORTS FTL-7137, 8717, 8842, 17-7538 & 17-7007.
- THIS DOOR SYSTEM MAY BE USED WITH ANY COMPATIBLE CGI-COMMERCIAL STOREFRONT WINDOW SYSTEM. WINDOW SYSTEM MUST HAVE ITS OWN APPROVAL.

ANCHOR NOTES:

- FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ANCHORS. SEE TABLE 1 ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
- FOR SUBSTRATE APPLICATIONS SEE TABLE 1 ON THIS SHEET.
- 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.
- 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.
- METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER THE FBC AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 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.

INSTRUCTIONS:

- DETERMINE THE BUILDING'S REQUIRED DESIGN PRESSURE USING THE ASCE 7 STANDARD. THE DOOR'S DESIGN PRESSURE MUST MEET OR EXCEED THIS VALUE.
- DETERMINE THE ANCHOR GROUP FROM TABLE 1, THIS SHEET.
- VERIFY THAT THE CHOSEN THRESHOLD MEETS THE REQUIRED POSITIVE (+) DESIGN PRESSURE FROM TABLE 14, SHEET 13.
- DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO GLAZING, FROM SHEET 2 (SINGLE DOOR) OR SHEET 3 (DOUBLE DOOR).
- IF YOUR ASSEMBLY INCLUDES A VERTICAL MULLION AND STOREFRONT WINDOW:
 - DETERMINE THE VERTICAL MULLION TYPE & DESIGN PRESSURE FROM SHEETS 4-7.
 - DETERMINE THE VERTICAL MULLION DESIGN PRESSURE DUE TO ANCHORAGE FROM SHEET 9 (1/4" SHIM) OR SHEET 10 (1/2" SHIM).
 - DETERMINE THE DESIGN PRESSURE OF THE STOREFRONT WINDOW FROM IT'S OWN APPROVAL.
- 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.
- DETERMINE THE MAXIMUM JAMB ANCHOR SPACING FROM SHEET 11. VALUES HAVE BEEN CALCULATED USING THE DOOR'S MAXIMUM DESIGN PRESSURE.
- DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO HARDWARE FROM SHEETS 18 & 19.
- THE LOWEST DESIGN PRESSURE FROM 3, 4, 5 & 8 ABOVE, SHALL BE USED FOR THE ENTIRE ASSEMBLY.

FLORIDA PRODUCT APPROVAL # 25573

IMPACT RATING
RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

TABLE 1:

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment	Min. O.C. Distance
A	#14 Steel or 410 SS SMS (G5)	Southern Pine (SG=0.55)	1"	1-3/8"	1"
B	#14 Steel or 410 SS SMS (G5)	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 Ultracon+	Concrete (min. 3.00 ksi)	2-1/2"	1-3/4"	3"
		Concrete (min. 3.00 ksi)	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. Crete-Flex	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"	6"
	5/16" DeWalt Ultracon	UngROUTED CMU, (ASTM C-90)	3-1/8"	1-1/4"	6"
D	1/4" DeWalt 410 S.S. CreteFlex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"	3"
		Concrete (min. 3.52 ksi)	3-1/8"	2"	3"
	5/16" DeWalt Ultracon	Grout-Filled CMU, (ASTM C-90)	2-1/2"	2-1/4"	5"
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"	6"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

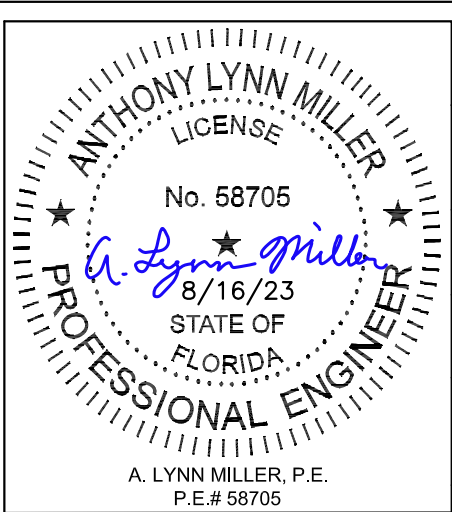
FOR STEEL STUDS, MIN. FU=45 KSI & MIN. FY=33 KSI.

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

ALL ANCHOR HEAD TYPES ARE ALLOWED.

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CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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Revised By: JR	Date: 8/16/23	Revision: ADDED GLASS TYPES G & H, UPDATED TABLE 1 ANCHOR NAMES.			
Revised By:	Date:	Revision:			
Description: GENERAL NOTES					Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM					Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 1 OF 20	Drawing No. MD-3550.2-LM	Rev: D	

TABLE 2:

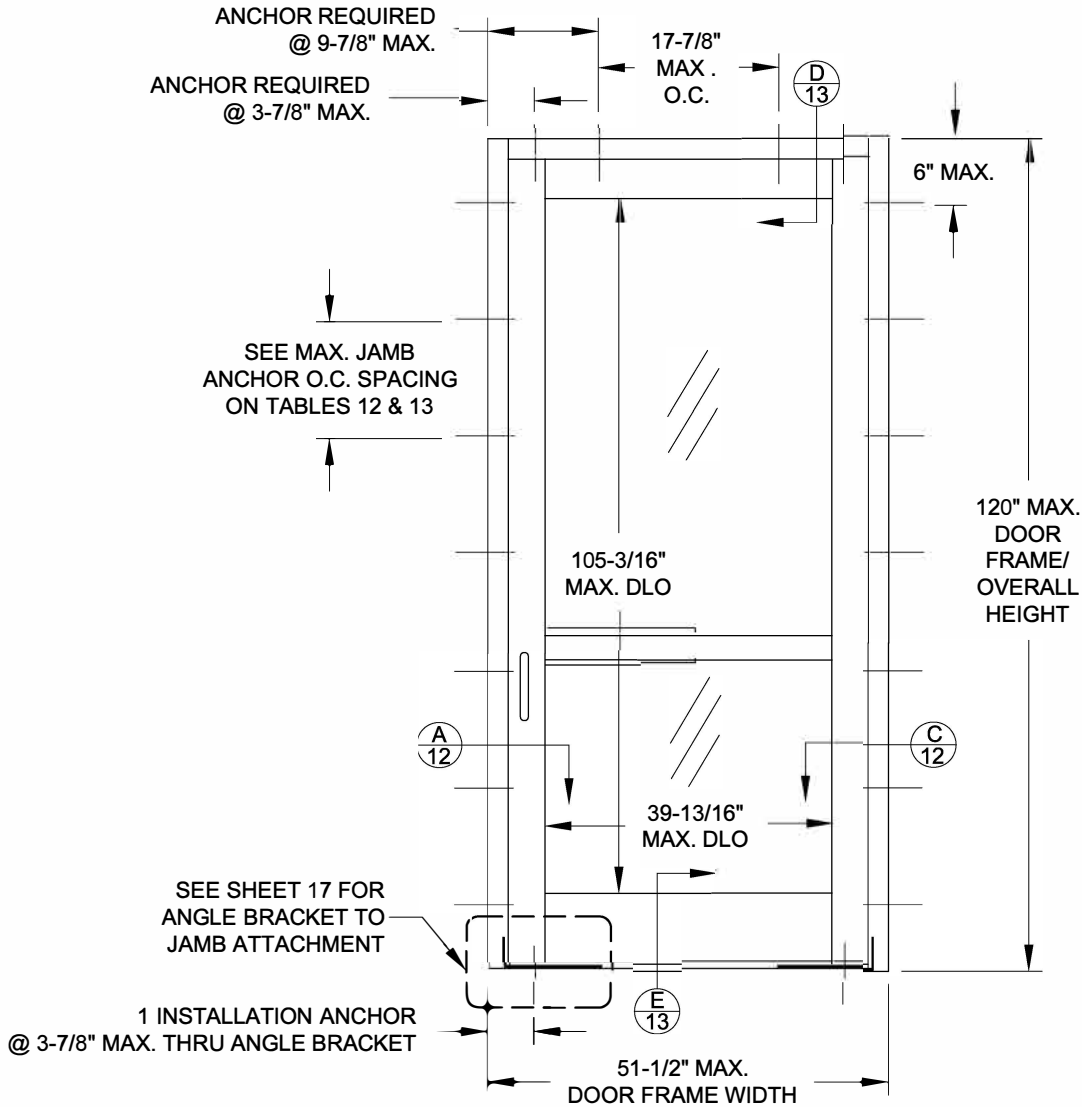
Glass Design Pressure, psf for Single Door			
Glass Type: A & D			
Door Frame Height	Overall Height	Door Frame Width	
		31-3/4"	39-1/2"
78"	97-3/4"	+90/-90	+90/-90
84"	97-3/4"	+90/-90	+90/-90
90"	97-3/4"	+90/-90	+86.6/-86.9
97-3/4"	97-3/4"	+90/-90	+80/-80
Glass Type: B & E			
Door Frame Height	Overall Height	Door Frame Width	
		31-3/4"	39-1/2"
78"	97-3/4"	+70/-80	+70/-80
84"	97-3/4"	+70/-80	+70/-80
90"	97-3/4"	+70/-80	+70/-80
97-3/4"	97-3/4"	+70/-80	+70/-80
Glass Type: C & F			
Door Frame Height	Overall Height	Door Frame Width	
		39-1/2"	51-1/2"
78"	108"	+90/-120	+90/-100
	120"	+90/-120	+90/-100
84"	108"	+90/-120	+90/-100
	120"	+90/-120	+90/-100
90"	108"	+90/-120	+90/-100
	120"	+90/-120	+90/-100
97-3/4"	120"	+90/-120	+90/-100
108"	120"	+90/-100	+90/-100
120"	120"	+90/-100	+90/-100
Glass Type: G & H			
Door Frame Height	Overall Height	Door Frame Width	
		39-1/2"	51-1/2"
78"	108"	+90/-100	+90/-100
	120"	+90/-100	+90/-100
84"	108"	+90/-100	+90/-100
	120"	+90/-100	+90/-100
90"	108"	+90/-100	+90/-100
	120"	+90/-100	+90/-100
97-3/4"	120"	+90/-100	+90/-100
104-7/8"	120"	+90/-100	+90/-100
120"	120"	+90/-100	+60/-75

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

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

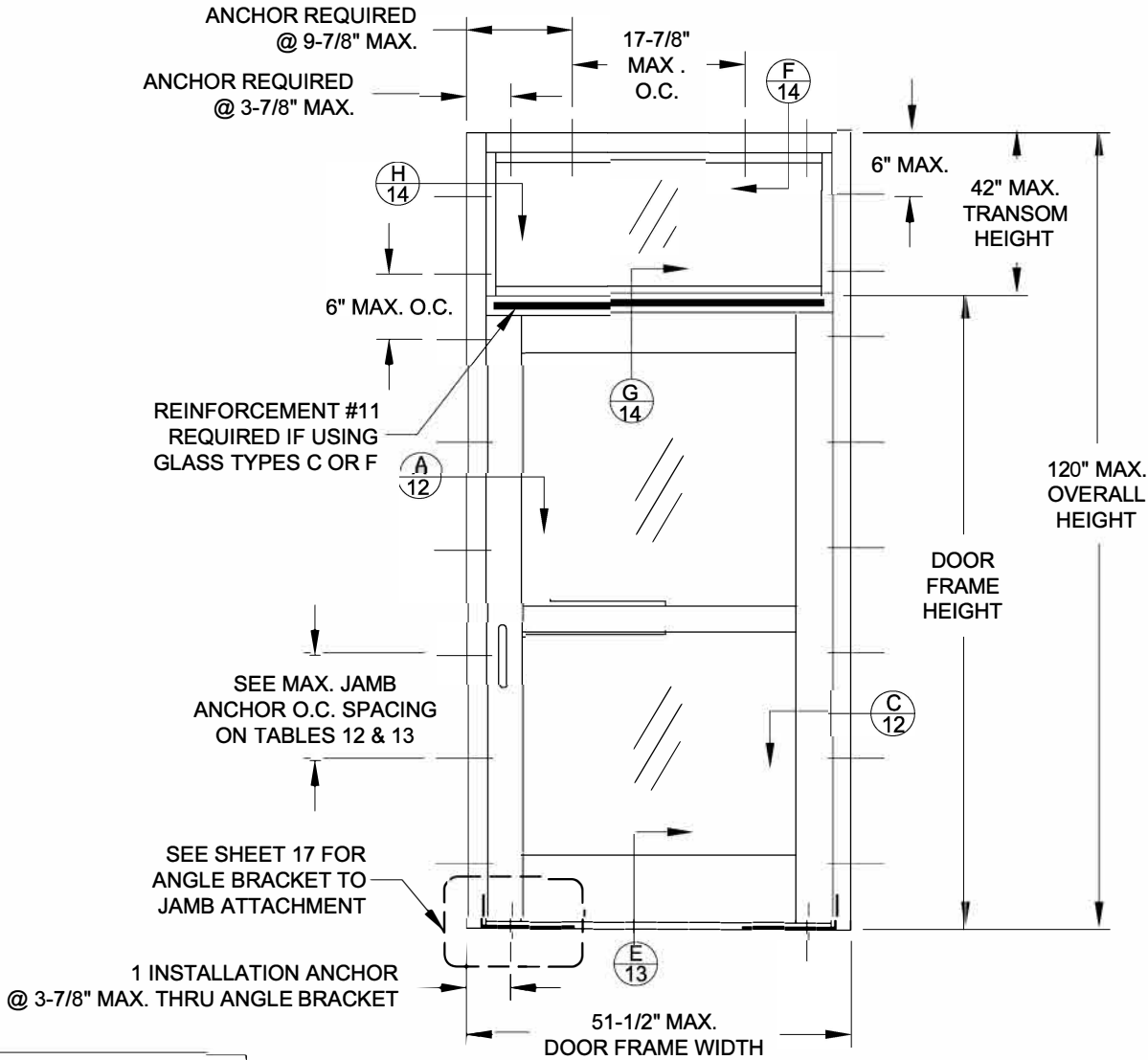
EGRESS FORMULAS:
SINGLE DOOR FRAME WIDTH - 6-3/8" = EGRESS WIDTH
FRAME HEIGHT - 2-3/8" - THRESHOLD HEIGHT = EGRESS HEIGHT

DLO (DAYLIGHT OPENING) FORMULAS:
SINGLE DOOR FRAME WIDTH - 9-15/16" = DLO WIDTH
DOOR FRAME HEIGHT - 14-13/16" = DLO HEIGHT
TRANSOM WIDTH - 6" = DLO WIDTH
TRANSOM HEIGHT - 3-3/4" = DLO HEIGHT



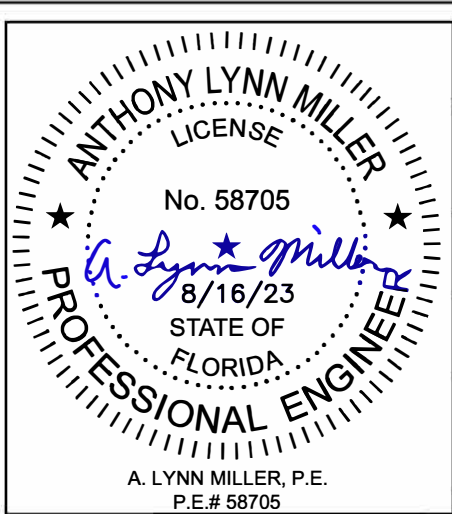
TYP. ELEVATION OF SINGLE
DOOR WITHOUT TRANSOM

DOOR FRAME HEIGHTS
OVER 97-3/4" OR DOOR
FRAME WIDTHS OVER
39-1/2" REQUIRE SPECIAL
HARDWARE, SEE
SHEETS 18, 19, & 20.



TYP. ELEVATION OF SINGLE
DOOR WITH TRANSOM

SHEET NUMBER  DETAIL LETTER





CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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Revised By: JR	Date: 8/16/23	Revision: ADDED GLASS TYPES G & H.			
Revised By:	Date:	Revision:			
Description: ELEVATIONS FOR GLAZING DP, A					Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM					Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 2 OF 20	Drawing No. MD-3550.2-LM	Rev: D	

TABLE 3:

Glass Design Pressure, psf for Double Door			
Glass Type: A & D			
Door Frame Height	Overall Height	Door Frame Width	
		60"	75-1/2"
78"	97-3/4"	+90/-90	+90/-90
84"	97-3/4"	+90/-90	+90/-90
90"	97-3/4"	+90/-90	+86.6/-86.9
97-3/4"	97-3/4"	+90/-90	+80/-80
Glass Type: B & E			
Door Frame Height	Overall Height	Door Frame Width	
		60"	75-1/2"
78"	97-3/4"	+70/-80	+70/-80
84"	97-3/4"	+70/-80	+70/-80
90"	97-3/4"	+70/-80	+70/-80
97-3/4"	97-3/4"	+70/-80	+70/-80
Glass Type: C & F			
Door Frame Height	Overall Height	Door Frame Width	
		75-1/2"	99-1/2"
78"	100-1/4"	+90/-120	+90/-100
	120"	+90/-117	+90/-100
84"	106-1/4"	+90/-120	+90/-100
	120"	+90/-117	+90/-100
90"	112-1/4"	+90/-120	+90/-100
	120"	+90/-117	+90/-100
97-3/4"	120"	+90/-120	+90/-100
108"	108"	+90/-100	+90/-100
120"	120"	+90/-100	+90/-100
Glass Type: G & H			
Door Frame Height	Overall Height	Door Frame Width	
		75-1/2"	99-1/2"
78"	100-1/4"	+90/-100	+90/-100
	120"	+90/-100	+90/-100
84"	106-1/4"	+90/-100	+90/-100
	120"	+90/-100	+90/-100
90"	112-1/4"	+90/-100	+90/-100
	120"	+90/-100	+90/-100
97-3/4"	120"	+90/-100	+90/-100
104-7/8"	104-7/8"	+90/-100	+90/-100
120"	120"	+90/-100	+60/-75

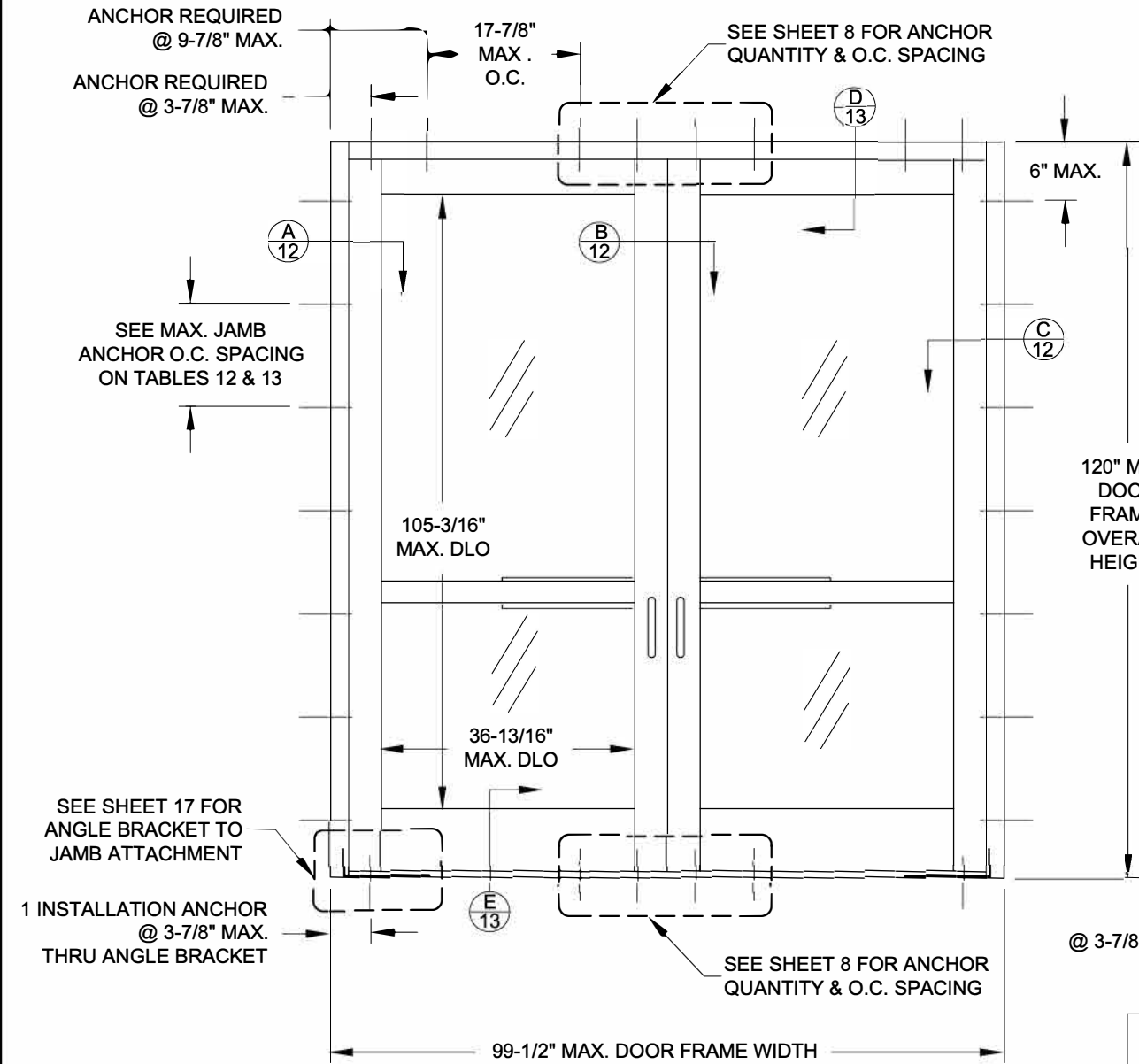
ENTRY DOOR NOTES:
1. SEE SHEET 15 FOR GLAZING TYPES AND DESCRIPTIONS.

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

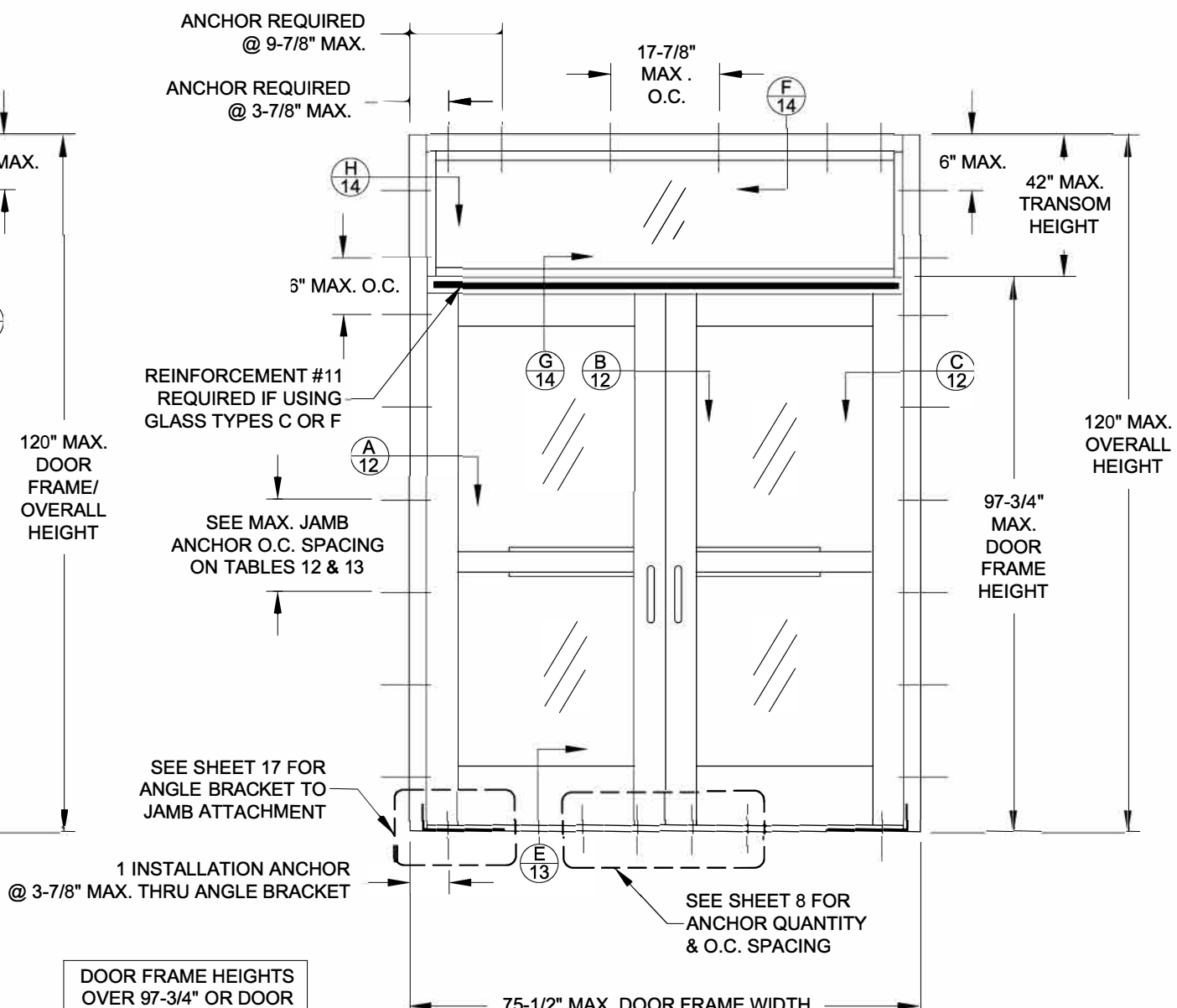
DLO (DAYLIGHT OPENING) FORMULAS:
DOUBLE DOOR FRAME WIDTH / 2 - 8-3/16" = DLO WIDTH
DOOR FRAME HEIGHT - 14-13/16" = DLO HEIGHT
TRANSOM WIDTH - 6" = DLO WIDTH
TRANSOM HEIGHT - 3-3/4" = DLO HEIGHT

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

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

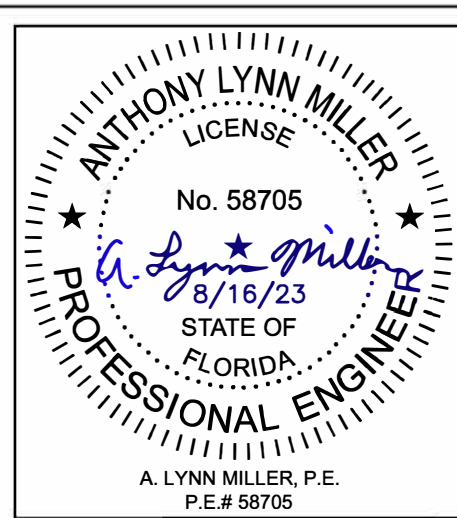


TYP. ELEVATION OF DOUBLE
DOOR WITHOUT TRANSOM



TYP. ELEVATION OF DOUBLE
DOOR WITH TRANSOM

DOOR FRAME HEIGHTS
OVER 97-3/4" OR DOOR
FRAME WIDTHS OVER
75-1/2" REQUIRE
SPECIAL HARDWARE,
SEE SHEETS 18, 19, & 20.





CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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SHEET NUMBER  DETAIL LETTER

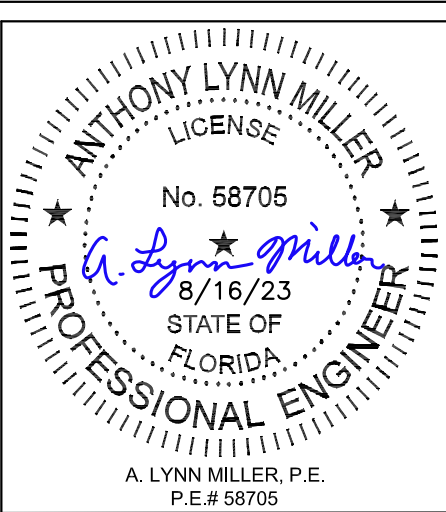
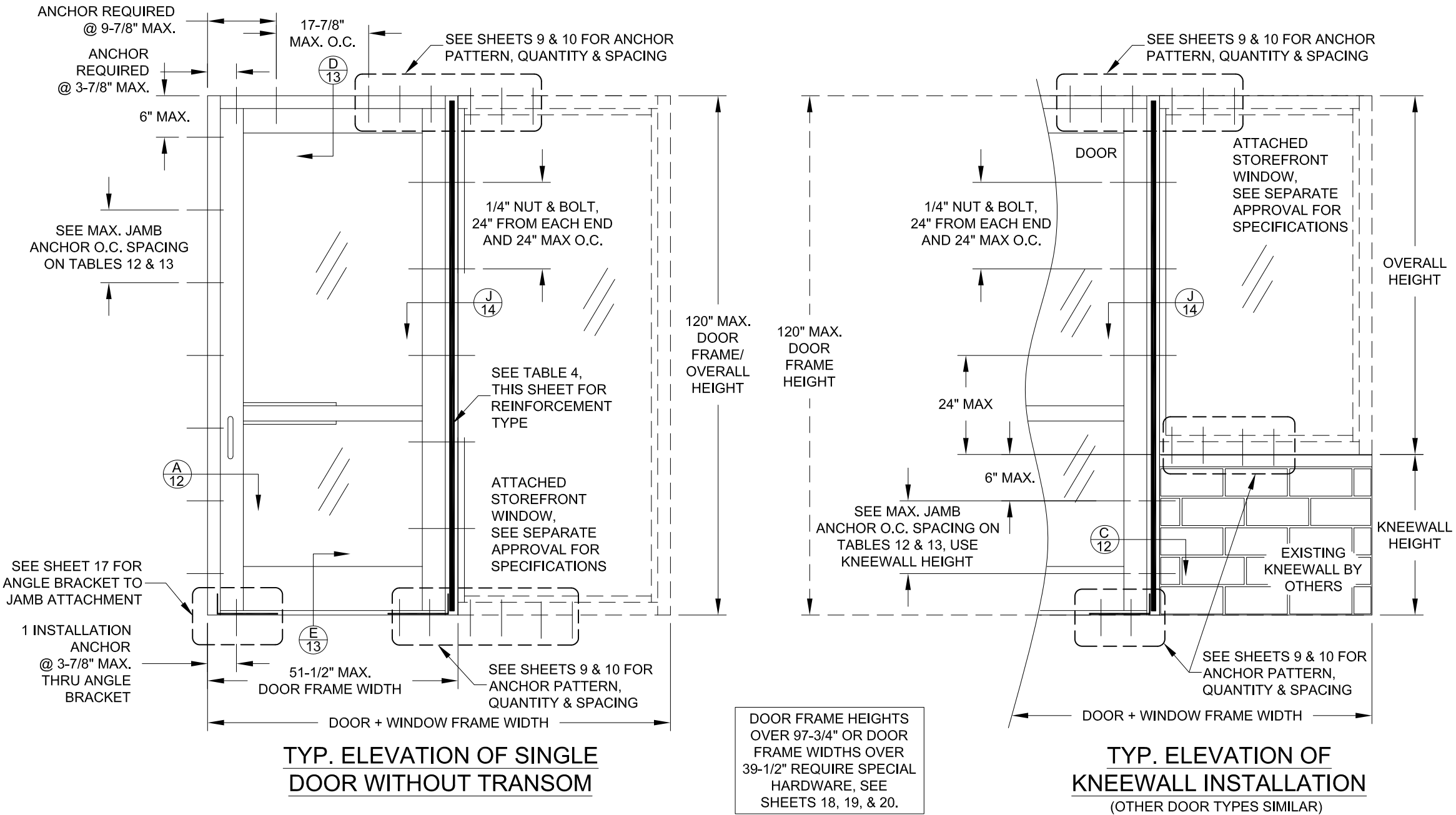
Revised By: JR	Date: 8/16/23	Revision: ADDED GLASS TYPES G & H.
Revised By:	Date:	Revision:
Description: ELEVATIONS FOR GLAZING DP, B		Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM		Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 3 OF 20
Drawing No. MD-3550.2-LM		Rev: D

TABLE 4:

Max. Vertical Mullion Design Pressure, (psf)				
Overall Height	Door + Window Frame Width	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
	Single Door without Transom			
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
	105-1/16"	+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
	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.

- ENTRY DOOR NOTES:
- SEE SHEET 2 FOR EGRESS & DLO FORMULAS.
 - SEE SHEETS 2 FOR ADDITIONAL DESIGN PRESSURE LIMITS BASED ON GLASS TYPE.
- STOREFRONT WINDOW NOTES:
- SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.
 - IF A SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.
 - IF STOREFRONT WINDOWS ARE USED ON BOTH SIDES OF A DOOR (EX. OXO), DETERMINE THE DOOR + WINDOW FRAME WIDTH USING THE WIDER WINDOW.
 - THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.



CGI Commercial Architectural Products

CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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SHEET NUMBER DETAIL LETTER

Revised By:	Date:	Revision:
JR	8/16/23	NO CHANGES THIS SHEET.
Revised By:	Date:	Revision:
Description:		Drawn By:
ELEVATIONS FOR MULLION DP, A		J ROSOWSKI
Title:		Date:
STOREFRONT ENTRANCE DOOR DETAILS - LM		03/05/16
Series/Model:	Scale:	Sheet:
SE-3550	NTS	4 OF 20
Drawing No.		Rev:
MD-3550.2-LM		D

TABLE 5:

Max. Vertical Mullion Design Pressure, (psf)				
Overall Height	Door + Window Frame Width	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
	Single Door with Transom			
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
	105-1/16"	+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
	105-1/16"		+90/-100	+90/-120
	117-1/16"			+90/-100

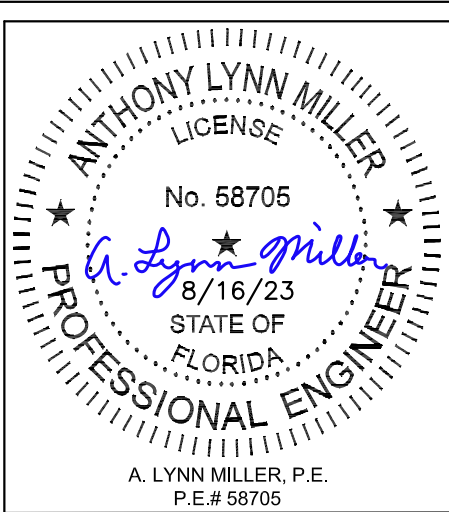
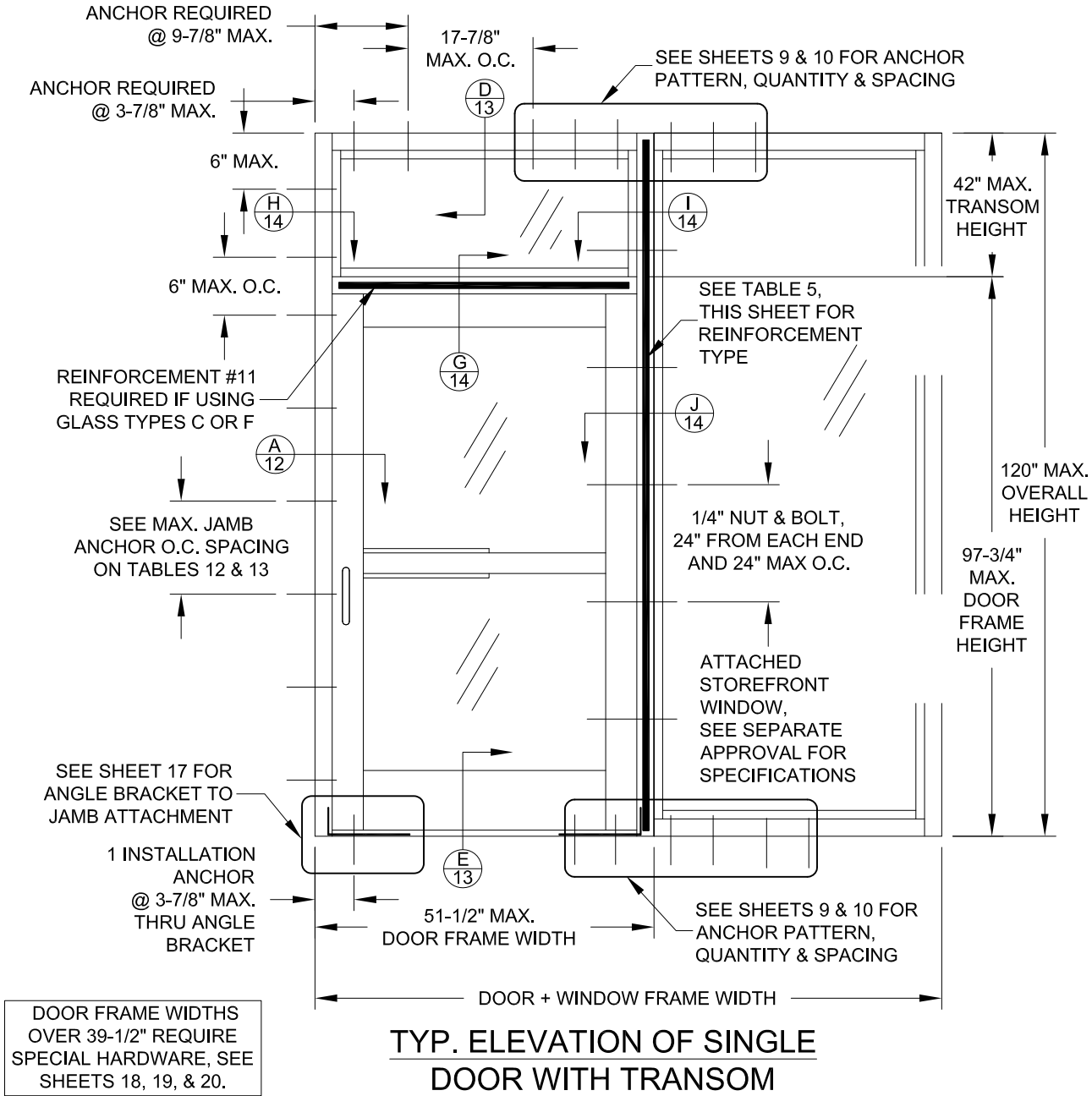
FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

ENTRY DOOR NOTES:

- SEE SHEET 2 FOR EGRESS & DLO FORMULAS.
- SEE SHEET 2 FOR ADDITIONAL DESIGN PRESSURE LIMITS BASED ON GLASS TYPE.

STOREFRONT WINDOW NOTES:

- SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.
- IF A SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.
- IF STOREFRONT WINDOWS ARE USED ON BOTH SIDES OF A DOOR (EX. OXO), DETERMINE THE DOOR + WINDOW FRAME WIDTH USING THE WIDER WINDOW.
- THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.
- SEE SHEET 4 FOR INSTALLATION TO KNEEWALL.



CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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REGISTRATION # 29296

SHEET NUMBER  DETAIL LETTER

Revised By:	Date:	Revision:		
JR	8/16/23	NO CHANGES THIS SHEET.		
Revised By:	Date:	Revision:		
Description:		Drawn By:		
ELEVATIONS FOR MULLION DP, B		J ROSOWSKI		
Title:		Date:		
STOREFRONT ENTRANCE DOOR DETAILS - LM		03/05/16		
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SE-3550	NTS	5 OF 20	MD-3550.2-LM	D

TABLE 6:

Max. Vertical Mullion Design Pressure, (psf)				
Overall Height	Door + Window Frame Width	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
	Double Door without Transom			
78"	86-5/8"	+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"	86-5/8"	+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"	+80.1/-80.1	+90/-100	+90/-120
90"	86-5/8"	+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"	86-5/8"	+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"	+86.1/-86.1	+90/-100	+90/-120
	153-7/8"	+80/-80	+90/-100	+90/-120
	170-5/8"		+90/-100	+90/-120
108"	86-5/8"		+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"	86-5/8"		+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/-100

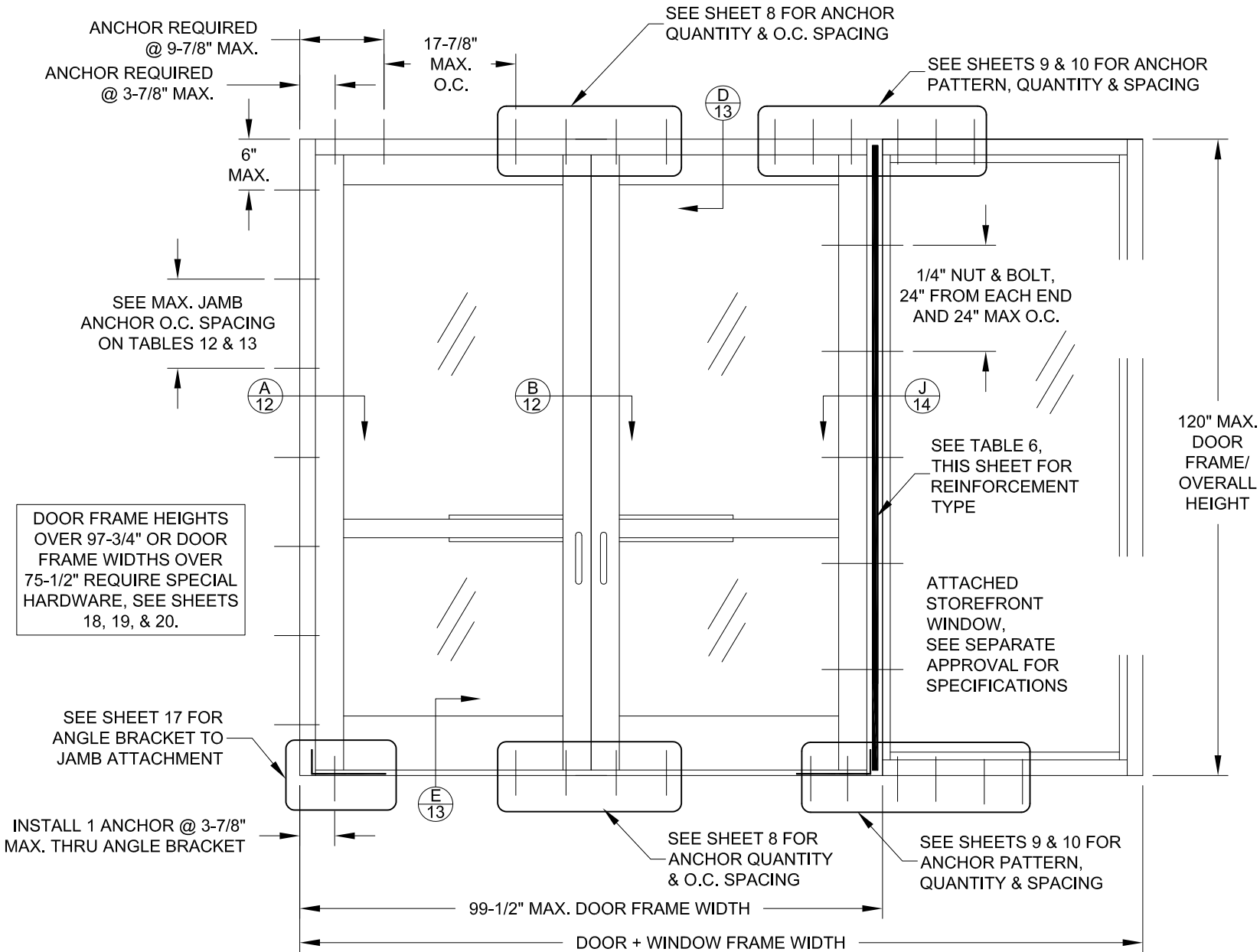
FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

ENTRY DOOR NOTES:

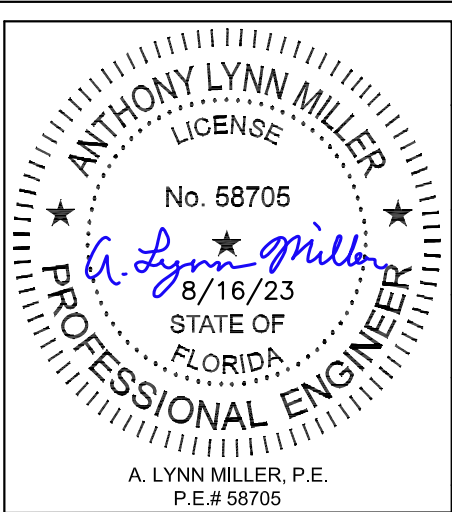
- SEE SHEET 3 FOR EGRESS & DLO FORMULAS.
- SEE SHEET 3 FOR ADDITIONAL DESIGN PRESSURE LIMITS BASED ON GLASS TYPE.

STOREFRONT WINDOW NOTES:

- SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.
- IF A SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.
- IF STOREFRONT WINDOWS ARE USED ON BOTH SIDES OF A DOOR (EX. OXO), DETERMINE THE DOOR + WINDOW FRAME WIDTH USING THE WIDER WINDOW.
- THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.
- SEE SHEET 4 FOR INSTALLATION TO KNEEWALL.



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





CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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SHEET NUMBER  DETAIL LETTER

Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.		
Revised By:	Date:	Revision:		
Description: ELEVATIONS FOR MULLION DP, C				Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM				Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 6 OF 20	Drawing No. MD-3550.2-LM	Rev: D

TABLE 7:

Max. Vertical Mullion Design Pressure, (psf)				
Overall Height	Door + Window Frame Width	No Reinforcement	Aluminum Reinforcement (Part #11)	HD Aluminum Reinforcement (Part #23)
	Double Door with Transom			
78"	60-5/16"	+90/-90	+90/-100	+90/-120
	76-5/16"	+90/-90	+90/-100	+90/-120
	92-3/16"	+90/-90	+90/-100	+90/-120
	104-3/16"	+90/-90	+90/-100	+90/-120
	116-3/16"	+90/-90	+90/-100	+90/-120
	128-3/16"	+90/-90	+90/-100	+90/-120
	140-3/16"	+86.3/-86.3	+90/-100	+90/-120
84"	60-5/16"	+90/-90	+90/-100	+90/-120
	76-5/16"	+90/-90	+90/-100	+90/-120
	92-3/16"	+90/-90	+90/-100	+90/-120
	104-3/16"	+90/-90	+90/-100	+90/-120
	116-3/16"	+90/-90	+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"	60-5/16"	+90/-90	+90/-100	+90/-120
	76-5/16"	+90/-90	+90/-100	+90/-120
	92-3/16"	+90/-90	+90/-100	+90/-120
	104-3/16"	+90/-90	+90/-100	+90/-120
	116-3/16"	+90/-90	+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"	60-5/16"	+90/-90	+90/-100	+90/-120
	76-5/16"	+90/-90	+90/-100	+90/-120
	92-3/16"	+90/-90	+90/-100	+90/-120
	104-3/16"	+90/-90	+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"	60-5/16"		+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"	60-5/16"		+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
	135-1/2"		+90/-100	+90/-100

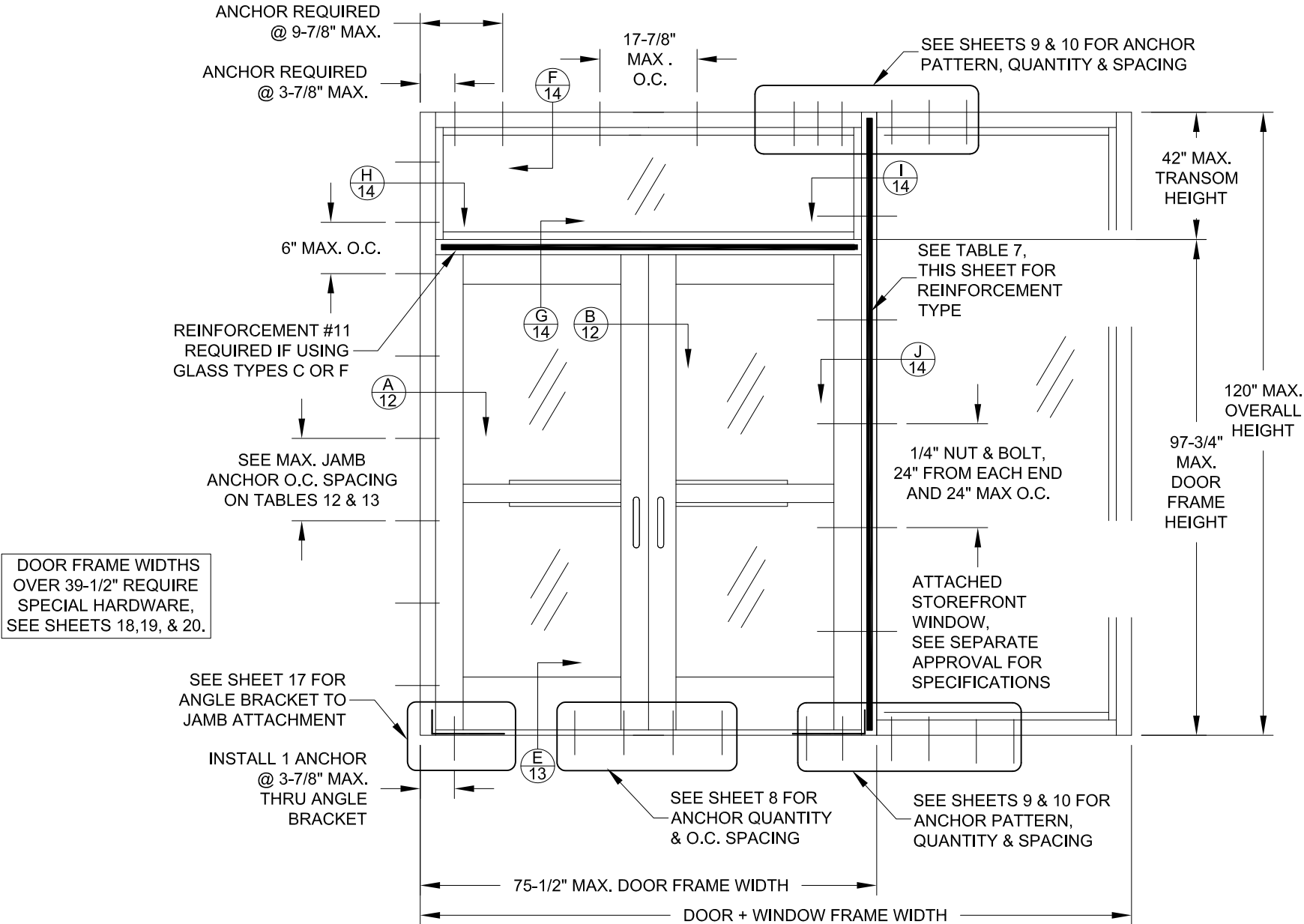
FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

ENTRY DOOR NOTES:

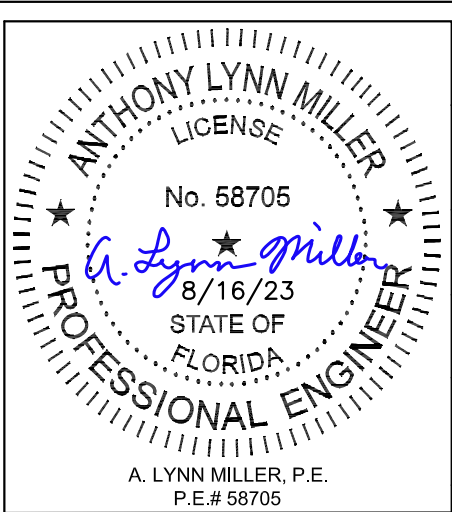
- SEE SHEET 3 FOR EGRESS & DLO FORMULAS.
- SEE SHEET 3 FOR ADDITIONAL DESIGN PRESSURE LIMITS BASED ON GLASS TYPE.

STOREFRONT WINDOW NOTES:

- SEE SEPARATE APPROVAL FOR STOREFRONT WINDOW SPECIFICATIONS.
- IF A SERIES OF STOREFRONT WINDOWS ARE USED, USE ONLY 1 WINDOW DIRECTLY ADJACENT TO THE DOOR IN DETERMINING THE DOOR + WINDOW FRAME WIDTH.
- IF STOREFRONT WINDOWS ARE USED ON BOTH SIDES OF A DOOR (EX. OXO), DETERMINE THE DOOR + WINDOW FRAME WIDTH USING THE WIDER WINDOW.
- THE LESSER DESIGN PRESSURE OF THE DOOR OR STOREFRONT WINDOW SHALL GOVERN THE DESIGN PRESSURE FOR THE ENTIRE ASSEMBLY.
- SEE SHEET 4 FOR INSTALLATION TO KNEEWALL.



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





CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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REGISTRATION # 29296

SHEET NUMBER X # 1 —DETAIL LETTER

Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.		
Revised By:	Date:	Revision:		
Description: ELEVATIONS FOR MULLION DP, D				Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM				Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 7 OF 20	Drawing No. MD-3550.2-LM	Rev: D

Quantity of Cluster Anchors Required at the Head & Sill of Double Doors											Shim Thickness: 1/4"		
Overall Height	Installed with Anchor Group:	Glass Type: A & D			Glass Type: B & E			Glass Type: C, F, G & H					
		Door Frame Width			Door Frame Width			Door Frame Width					
		48"	60"	75-1/2"	48"	60"	75-1/2"	48"	60"	75-1/2"	80"	88"	99-1/2"
78"	"A"	4	4	4	4	4	4	4	4	5	5	5	5
	"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	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
90"	"A"	4	4	4	4	4	4	4	5	6	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
97-3/4"	"A"	4	4	5	4	4	4	4	5	6	5	6	7
	"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
108"	"A"	Not Available						5	5	6	6	6	7
	"B"							5	5	5	5	5	5
	"C"							5	5	5	5	5	5
	"D"							5	5	5	5	5	5
	"E"							5	5	5	5	5	5
120"	"A"	Not Available						5	5	6	6	7	8
	"B"							5	5	5	5	5	6
	"C"							5	5	5	5	5	6
	"D"							5	5	5	5	5	5
	"E"							5	5	5	5	5	5

SEE TABLES 8 & 9, THIS SHEET FOR ANCHOR QUANTITY (NOT REQUIRED IF TRANSOM IS USED)

DOOR

DOOR

SEE TABLES 8 & 9, THIS SHEET FOR ANCHOR QUANTITY

6" MAX. O.C., SEE TABLE 1 FOR MIN. O.C. SPACING

6" MAX. O.C., SEE TABLE 1 FOR MIN. O.C. SPACING

TYP. ANCHOR PATTERN FOR HEADS AND SILLS OF DOUBLE DOORS AT THE MEETING STILES

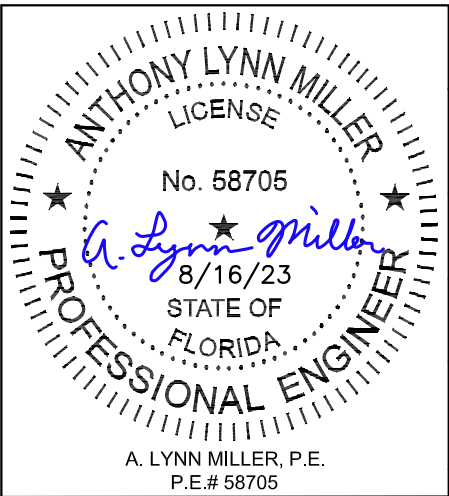
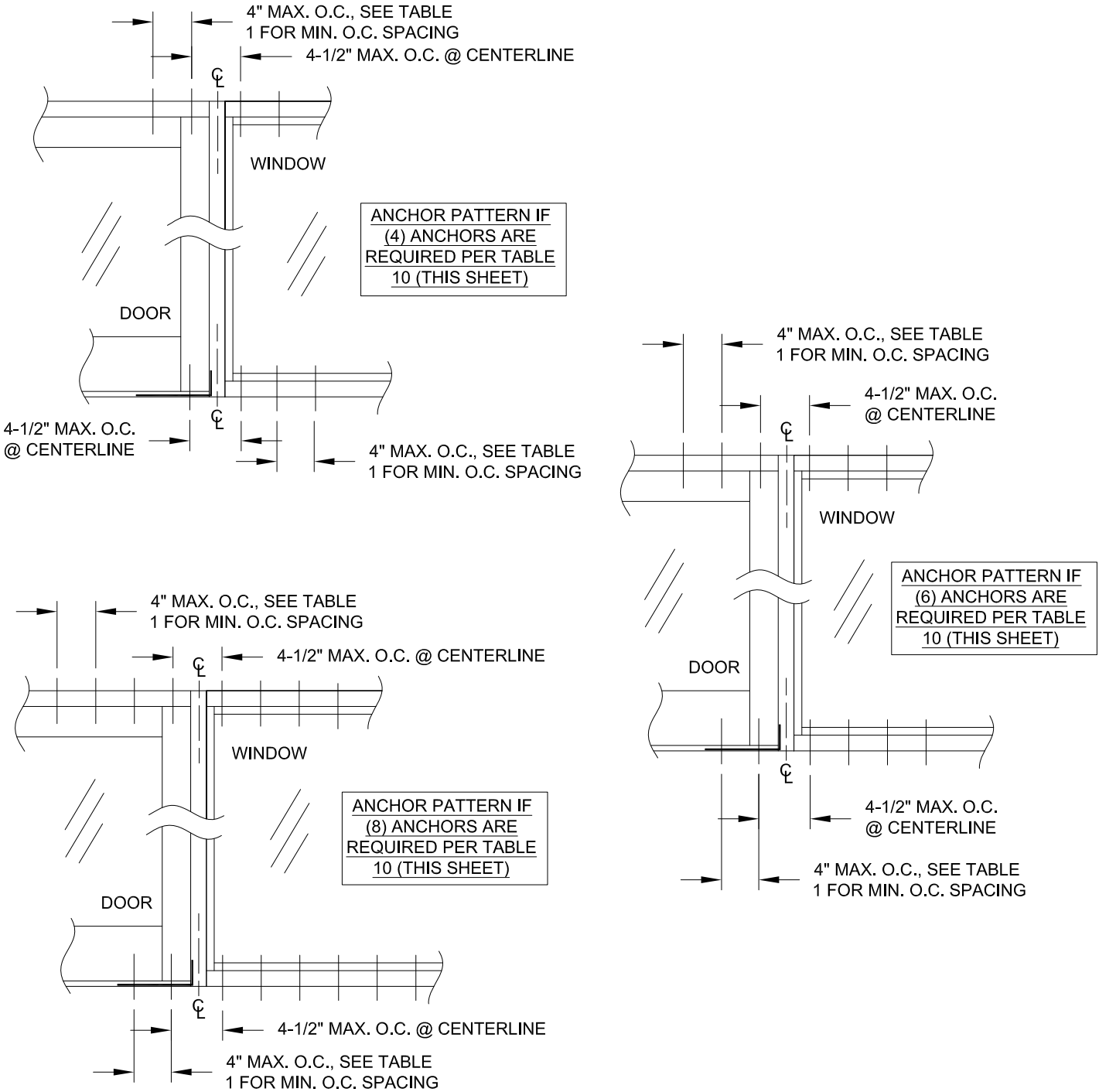
Quantity of Cluster Anchors Required at the Head & Sill of Double Doors											Shim Thickness: 1/2"		
Overall Height	Installed with Anchor Group:	Glass Type: A & D			Glass Type: B & E			Glass Type: C, F, G & H					
		Door Frame Width			Door Frame Width			Door Frame Width					
		48"	60"	75-1/2"	48"	60"	75-1/2"	48"	60"	75-1/2"	80"	88"	99-1/2"
78"	"A"	4	4	5	4	4	5	5	6	7	6	7	8
	"B"	4	4	5	4	4	5	5	6	7	6	7	8
	"C"	4	4	4	4	4	4	4	4	5	5	5	6
	"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	5	6	7	7	7	8
	"B"	4	5	6	4	4	5	5	6	7	7	7	8
	"C"	4	4	4	4	4	4	4	5	6	5	5	6
	"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	5	6	8	7	8	9
	"B"	4	5	6	4	4	5	5	6	8	7	8	9
	"C"	4	4	5	4	4	4	4	5	6	5	6	6
	"D"	4	4	4	4	4	4	4	4	5	5	5	5
	"E"	4	4	4	4	4	4	4	4	4	5	5	5
97-3/4"	"A"	4	5	7	4	5	6	6	7	9	8	8	9
	"B"	4	5	7	4	5	6	6	7	9	8	8	9
	"C"	4	4	5	4	4	4	4	5	6	6	6	7
	"D"	4	4	4	4	4	4	4	4	5	5	5	6
	"E"	4	4	4	4	4	4	4	4	4	5	5	5
108"	"A"	Not Available						5	6	8	8	9	10
	"B"							5	6	8	8	9	10
	"C"							5	5	6	6	7	8
	"D"							5	5	5	5	5	6
	"E"							5	5	5	5	5	5
120"	"A"	Not Available						6	7	9	9	10	11
	"B"							6	7	9	9	10	11
	"C"							5	5	7	7	8	8
	"D"							5	5	5	6	6	7
	"E"							5	5	5	5	5	5

 ANTHONY LYNN MILLER LICENSE No. 58705 A. Lynn Miller 8/16/23 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705	 Commercial Architectural Products	Revised By: JR		Date: 8/16/23	Revision: ADDED GLASS TYPES G & H.	
	CGI WINDOWS AND DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018; (305) 593-6590	Revised By:		Date:	Revision:	
	PREPARED BY: A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275; (941) 480-1600	Description: CLUSTER ANCHORS (DOUBLE DOOR)				Drawn By: J ROSOWSKI
	COPYRIGHT © 2023 CGI WINDOWS & DOORS, INC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Title: STOREFRONT ENTRANCE DOOR DETAILS - LM				Date: 03/05/16
	REGISTRATION # 29296	Series/Model: SE-3550	Scale: NTS	Sheet: 8 OF 20	Drawing No. MD-3550.2-LM	Rev: D

TABLE 10:

Mullion Anchor Cluster Max. Design Pressure at Head/Sill, (+/- psf)																Shim Thickness: 1/4"		
Overall Height	Door + Window Frame Width			Group "A" Anchor			Group "B" Anchor			Group "C" Anchor			Group "D" Anchor			Group "E" Anchor		
	Single Door w/w/o Transom:	Double Door without Transom:	Double Door with Transom:	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors
78"	49-3/4"	86-5/8"	60-5/16"	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"	72.8	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
84"	121-3/4"	170-5/8"	140-3/16"	58.3	87.4	116.5	100.7	120	120	96.0	120	120	115.0	120	120	120	120	120
	49-3/4"	86-5/8"	60-5/16"	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
90"	109-3/4"	158-5/8"	128-3/16"	60.1	90.2	120	103.8	120	120	99.0	120	120	118.6	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	106.7	120	120	112.7	120	120
	49-3/4"	86-5/8"	60-5/16"	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	101.0	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	118.9	120	120	120	120	120	120	120	120
97-3/4"	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	112.2	96.9	120	120	92.4	120	120	110.7	120	120	116.9	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
	49-3/4"	86-5/8"	60-5/16"	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
108"	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
	49-3/4"	86-5/8"	60-5/16"	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
120"	73-3/4"	122-5/8"	92-3/16"	70.1	105.2	120	120	120	120	115.6	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	99.0	120	120	118.6	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	109.0	120	69.3	104.0	120	83.0	120	120	87.6	120	120
	49-3/4"	86-5/8"	60-5/16"	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"	92-3/16"	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	106.7	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"	42.1	63.1	84.2	72.7	109.0	120	69.3	104.0	120	83.0	120	120	87.6	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.

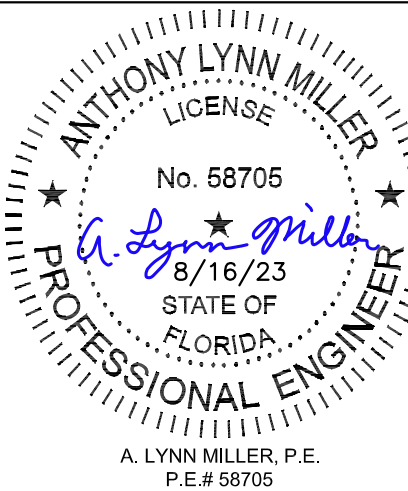
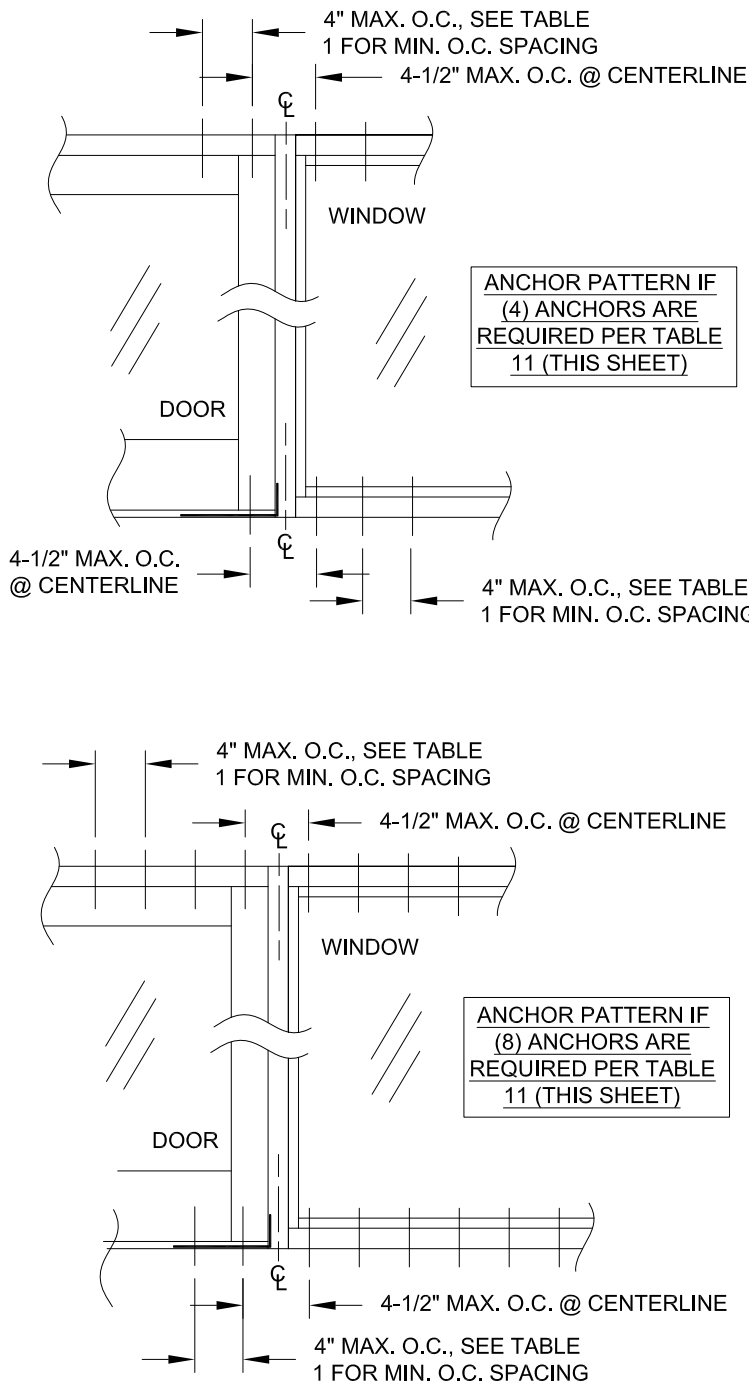


 CGI WINDOWS AND DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018; (305) 593-6590	Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.	
	Revised By:	Date:	Revision:	
PREPARED BY: A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275; (941) 480-1600	Description: CLUSTER ANCHORS, MULL, 1/4" SHIM		Drawn By: J ROSOWSKI	
COPYRIGHT © 2023 CGI WINDOWS & DOORS, INC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Title: STOREFRONT ENTRANCE DOOR DETAILS - LM		Date: 03/05/16	
REGISTRATION # 29296	Series/Model: SE-3550	Scale: NTS	Sheet: 9 OF 20	Drawing No. MD-3550.2-LM
				Rev: D

TABLE 11:

Mullion Anchor Cluster Max. Design Pressure at Head/Sill, (+/- psf)																Shim Thickness: 1/2"		
Frame Height	Door + Window Frame Width			Group "A" Anchor			Group "B" Anchor			Group "C" Anchor			Group "D" Anchor			Group "E" Anchor		
	Single Door w/w/o Transom:	Double Door without Transom:	Double Door with Transom:	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors	4 Anchors	6 Anchors	8 Anchors
78"	49-3/4"	86-5/8"	60-5/16"	117.3	120	120	117.3	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	76-5/16"	93.8	120	120	93.8	120	120	120	120	120	120	120	120	120	120	120
	73-3/4"	122-5/8"	92-3/16"	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	102.2	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
84"	49-3/4"	86-5/8"	60-5/16"	108.9	120	120	108.9	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	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"	92-3/16"	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	108.5	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	94.9	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
90"	49-3/4"	86-5/8"	60-5/16"	101.7	120	120	101.7	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	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"	92-3/16"	67.8	101.7	120	67.8	101.7	120	92.7	120	120	118.1	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
97-3/4"	49-3/4"	86-5/8"	60-5/16"	93.6	120	120	93.6	120	120	120	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	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"	92-3/16"	62.4	93.6	120	62.4	93.6	120	85.3	120	120	108.8	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"	46.8	70.2	93.6	46.8	70.2	93.6	64.0	96.0	120	81.6	120	120	120	120	120
	105-1/16"	153-7/8"	123-1/2"	41.6	62.4	83.2	41.6	62.4	83.2	56.9	85.3	113.8	72.5	108.8	120	107.6	120	120
108"	49-3/4"	86-5/8"	60-5/16"	84.7	120	120	84.7	120	120	115.9	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	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"	92-3/16"	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	72.6	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"	37.6	56.5	75.3	37.6	56.5	75.3	51.5	77.2	103.0	65.6	98.4	120	97.4	120	120
120"	49-3/4"	86-5/8"	60-5/16"	76.2	114.4	120	76.2	114.4	120	104.3	120	120	120	120	120	120	120	120
	61-3/4"	110-5/8"	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"	92-3/16"	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	76.2	52.1	78.2	104.3	66.4	99.7	120	98.6	120	120
	105-1/16"	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
	117-1/16"	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.



CGI WINDOWS AND DOORS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

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REGISTRATION # 29296

Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.	
Revised By:	Date:	Revision:	
Description: CLUSTER ANCHORS, MULL, 1/2" SHIM			Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM			Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 10 OF 20	Drawing No. MD-3550.2-LM
			Rev: D

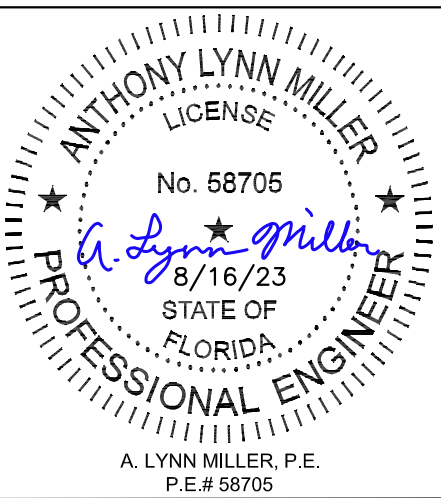
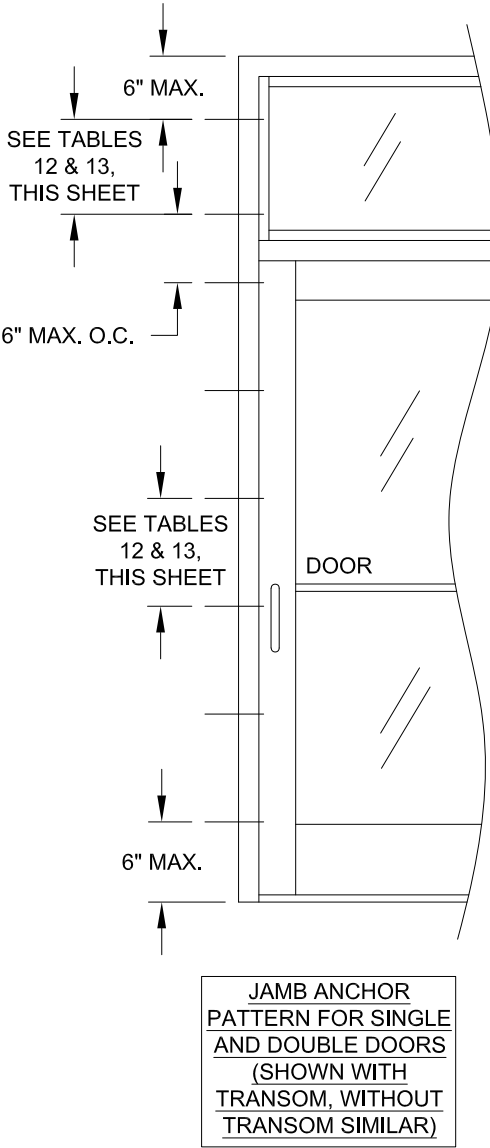
TABLE 12:

Door Jamb Max. Anchor O.C. Spacing				Shim Thickness = 1/4"				
Overall Height	Door Frame Width			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
	Single Door w/wo Transom	Double Door without Transom	Double Door with Transom					
78"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	16-1/2"	18"	18"	18"	18"
	36"	72"	48"	16-1/2"	18"	16-1/2"	18"	18"
	42"	84"	56"	13-3/16"	18"	13-3/16"	18"	18"
	48"	96"	64"	11"	18"	11"	16-1/2"	18"
	51-1/2"	99-1/2"	72"	9-7/16"	16-1/2"	9-7/16"	16-1/2"	18"
	-	-	75-1/2"	8-1/4"	16-1/2"	9-7/16"	13-3/16"	18"
84"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	18"	18"	18"	18"	18"
	36"	72"	48"	14-3/8"	18"	14-3/8"	18"	18"
	42"	84"	56"	12"	18"	14-3/8"	18"	18"
	48"	96"	64"	10-5/16"	18"	12"	18"	18"
	51-1/2"	99-1/2"	72"	10-5/16"	18"	10-5/16"	14-3/8"	18"
	-	-	75-1/2"	9"	14-3/8"	9"	14-3/8"	18"
90"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	18"	18"	18"	18"	18"
	36"	72"	48"	15-5/8"	18"	15-5/8"	18"	18"
	42"	84"	56"	13"	18"	13"	18"	18"
	48"	96"	64"	11-1/8"	18"	11-1/8"	18"	18"
	51-1/2"	99-1/2"	72"	9-3/4"	18"	9-3/4"	15-5/8"	18"
	-	-	75-1/2"	8-11/16"	15-5/8"	9-3/4"	15-5/8"	18"
97-3/4"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	17-1/8"	18"	18"	18"	18"
	36"	72"	48"	14-5/16"	18"	17-1/8"	18"	18"
	42"	84"	56"	12-1/4"	18"	14-5/16"	18"	18"
	48"	96"	64"	10-3/4"	18"	12-1/4"	17-1/8"	18"
	51-1/2"	99-1/2"	72"	9-1/2"	17-1/8"	10-3/4"	17-1/8"	18"
	-	-	75-1/2"	8-9/16"	17-1/8"	9-1/2"	14-5/16"	18"
108"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	18"	18"	18"	18"	18"
	36"	72"	48"	16"	18"	16"	18"	18"
	42"	84"	56"	13-11/16"	18"	13-11/16"	18"	18"
	48"	96"	64"	10-11/16"	18"	12"	18"	18"
	51-1/2"	99-1/2"	72"	9-5/8"	18"	10-11/16"	16"	18"
	-	-	75-1/2"	8-3/4"	16"	9-5/8"	13-11/16"	18"
120"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	18"	18"	18"	18"	18"
	36"	72"	48"	15-7/16"	18"	15-7/16"	18"	18"
	42"	84"	56"	13-1/2"	18"	13-1/2"	18"	18"
	48"	96"	64"	10-13/16"	18"	12"	18"	18"
	51-1/2"	99-1/2"	72"	9-13/16"	18"	10-13/16"	15-7/16"	18"
	-	-	75-1/2"	9"	15-7/16"	9-13/16"	15-7/16"	18"

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

TABLE 13:

Door Jamb Max. Anchor O.C. Spacing				Shim Thickness = 1/2"				
Overall Height	Door Frame Width			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
	Single Door w/wo Transom	Double Door without Transom	Double Door with Transom					
78"	24"	48"	-	16-1/2"	16-1/2"	18"	18"	18"
	30"	60"	-	13-3/16"	13-3/16"	18"	18"	18"
	36"	72"	48"	11"	11"	16-1/2"	18"	18"
	42"	84"	56"	9-7/16"	9-7/16"	13-3/16"	16-1/2"	18"
	48"	96"	64"	8-1/4"	8-1/4"	11"	16-1/2"	18"
	51-1/2"	99-1/2"	72"	7-5/16"	7-5/16"	9-7/16"	13-3/16"	18"
	-	-	75-1/2"	6-5/8"	6-5/8"	9-7/16"	13-3/16"	18"
84"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	14-3/8"	14-3/8"	18"	18"	18"
	36"	72"	48"	12"	12"	14-3/8"	18"	18"
	42"	84"	56"	10-5/16"	10-5/16"	14-3/8"	18"	18"
	48"	96"	64"	9"	9"	12"	14-3/8"	18"
	51-1/2"	99-1/2"	72"	8"	8"	10-5/16"	14-3/8"	18"
	-	-	75-1/2"	6-9/16"	6-9/16"	9"	12"	18"
90"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	15-5/8"	15-5/8"	18"	18"	18"
	36"	72"	48"	11-1/8"	11-1/8"	15-5/8"	18"	18"
	42"	84"	56"	9-3/4"	9-3/4"	13"	18"	18"
	48"	96"	64"	8-11/16"	8-11/16"	11-1/8"	15-5/8"	18"
	51-1/2"	99-1/2"	72"	7-13/16"	7-13/16"	9-3/4"	13"	18"
	-	-	75-1/2"	7-1/16"	7-1/16"	9-3/4"	13"	18"
97-3/4"	24"	48"	-	17-1/8"	17-1/8"	18"	18"	18"
	30"	60"	-	14-1/4"	14-1/4"	18"	18"	18"
	36"	72"	48"	12-3/16"	12-3/16"	17-1/8"	18"	18"
	42"	84"	56"	10-11/16"	10-11/16"	14-1/4"	17-1/8"	18"
	48"	96"	64"	8-9/16"	8-9/16"	12-3/16"	17-1/8"	18"
	51-1/2"	99-1/2"	72"	7-3/4"	7-3/4"	10-11/16"	14-1/4"	18"
	-	-	75-1/2"	7-1/8"	7-1/8"	9-1/2"	12-3/16"	18"
108"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	13-11/16"	13-11/16"	18"	18"	18"
	36"	72"	48"	12"	12"	16"	18"	18"
	42"	84"	56"	10-11/16"	10-11/16"	13-11/16"	18"	18"
	48"	96"	64"	8-3/4"	8-3/4"	12"	16"	18"
	51-1/2"	99-1/2"	72"	8"	8"	10-11/16"	13-11/16"	18"
	-	-	75-1/2"	6-7/8"	6-7/8"	9-5/8"	12"	18"
120"	24"	48"	-	18"	18"	18"	18"	18"
	30"	60"	-	15-7/16"	15-7/16"	18"	18"	18"
	36"	72"	48"	12"	12"	15-7/16"	18"	18"
	42"	84"	56"	9-13/16"	9-13/16"	13-1/2"	18"	18"
	48"	96"	64"	9"	9"	12"	15-7/16"	18"
	51-1/2"	99-1/2"	72"	7-11/16"	7-11/16"	10-13/16"	13-1/2"	18"
	-	-	75-1/2"	7-3/16"	7-3/16"	9-13/16"	12"	18"





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

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Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.			
Revised By:	Date:	Revision:			
Description: JAMB ANCHORS					Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM					Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 11 OF 20	Drawing No. MD-3550.2-LM	Rev: D	

DETAIL A1

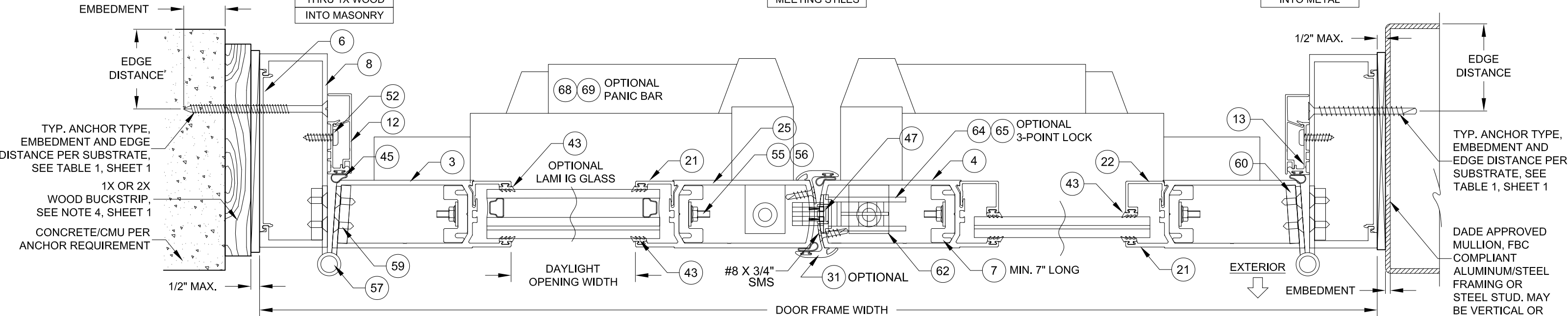
THRU 1X WOOD
INTO MASONRY

DETAIL B

MEETING STILES

DETAIL C1

INTO METAL



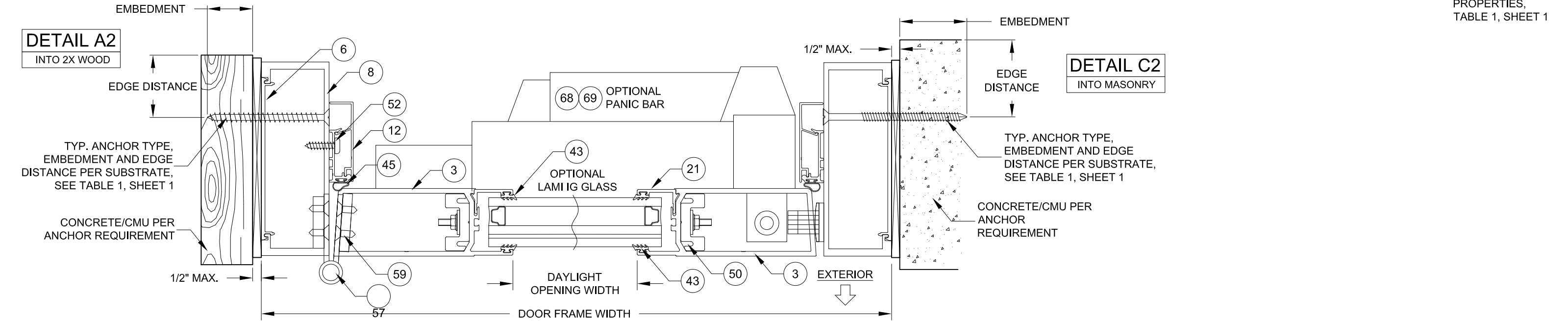
HORIZONTAL SECTION (DOUBLE DOOR)

DETAIL A2

INTO 2X WOOD

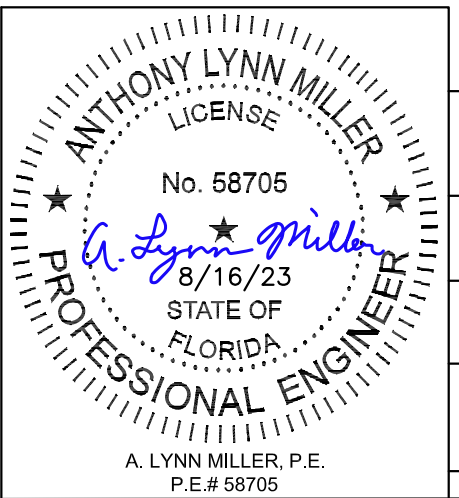
DETAIL C2

INTO MASONRY



HORIZONTAL SECTION
(SINGLE DOOR)

- NOTES:
- 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.
 - ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE 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.



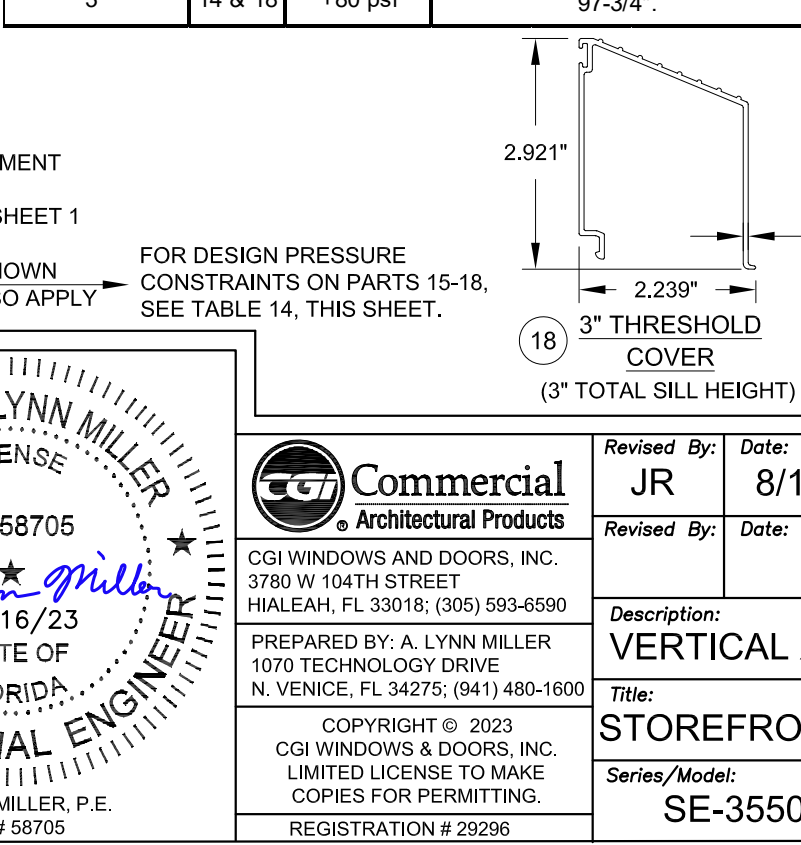
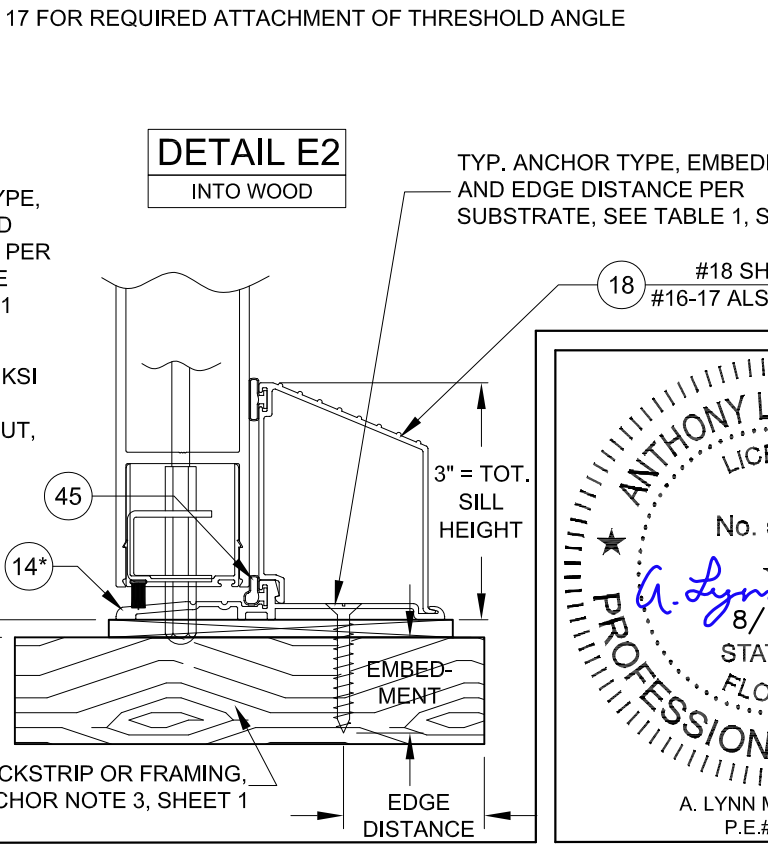
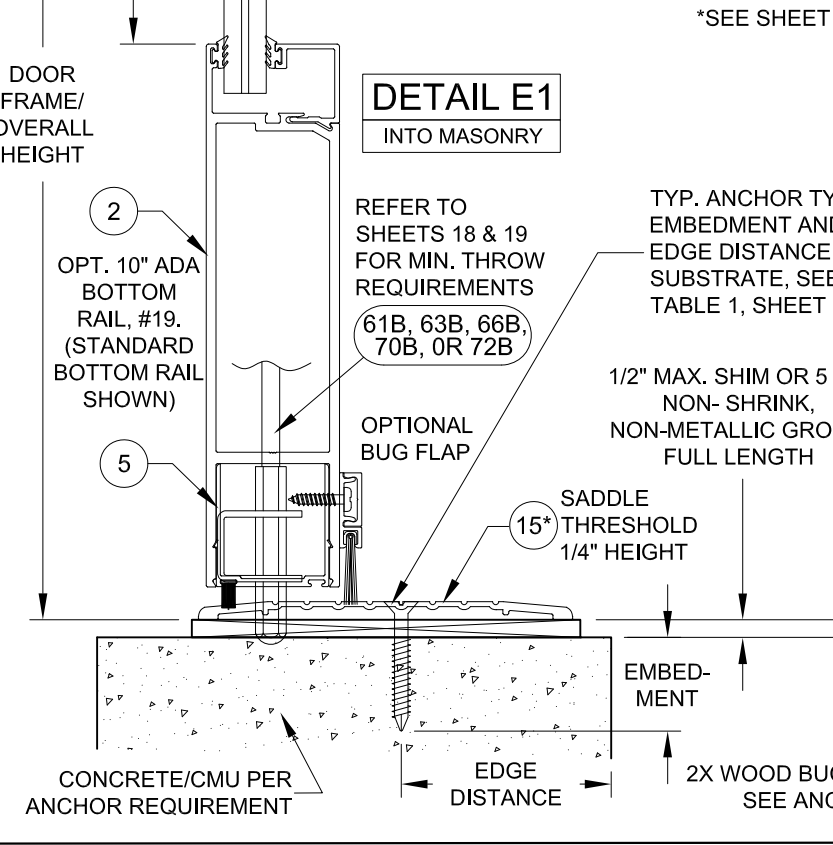
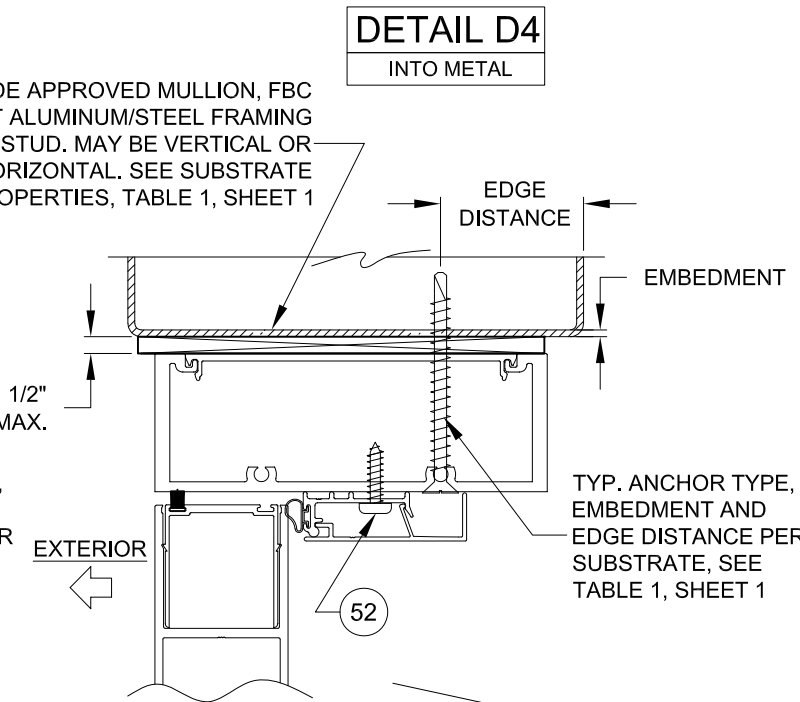
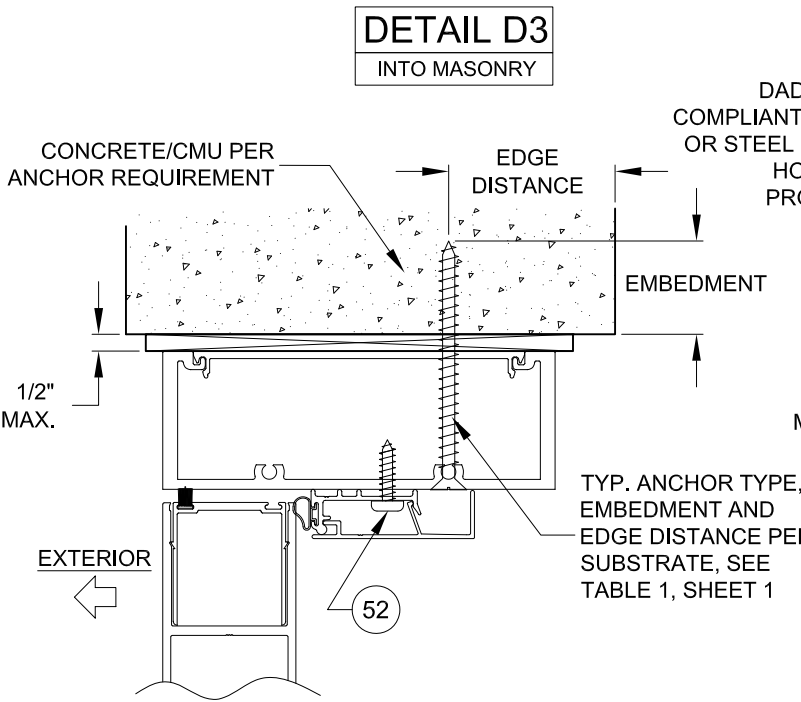
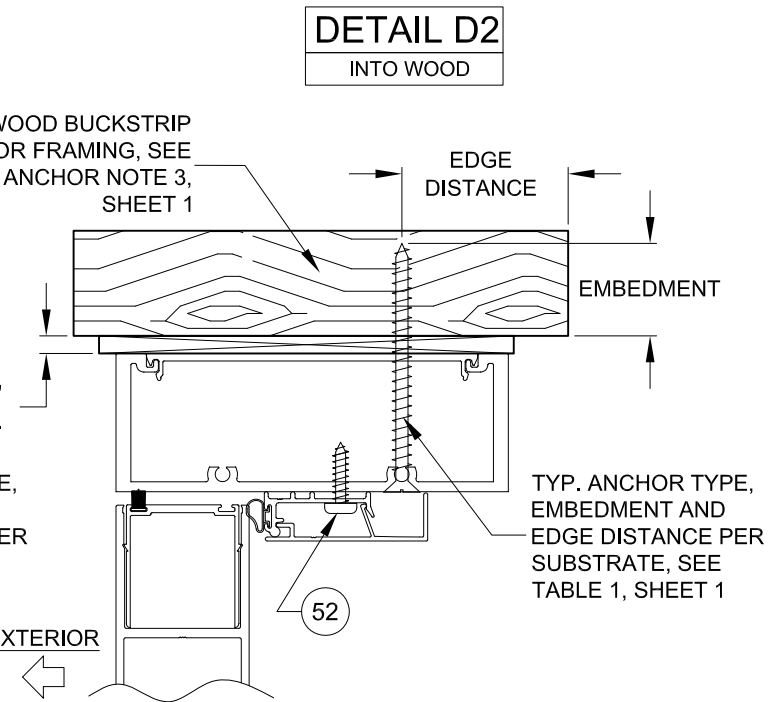
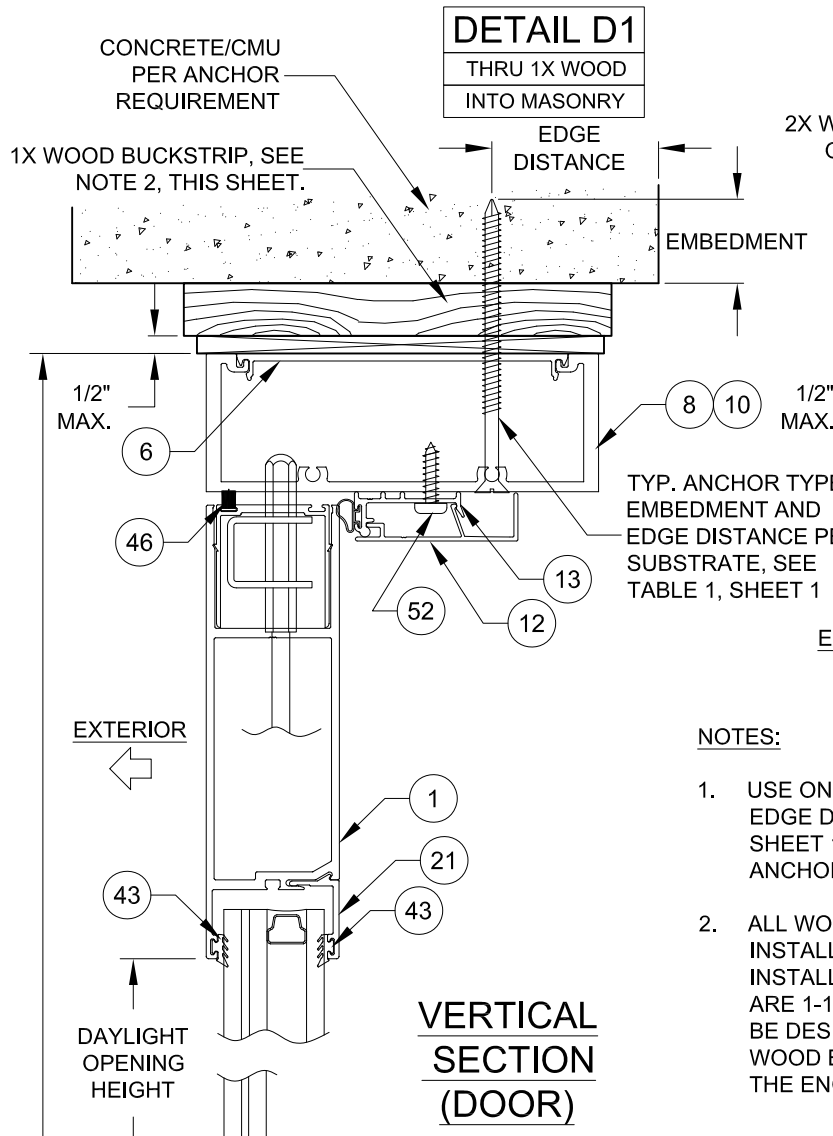
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PREPARED BY: A. LYNN MILLER
1070 TECHNOLOGY DRIVE
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Revised By:	Date:	Revision:
JR	8/16/23	NO CHANGES THIS SHEET.
Revised By:	Date:	Revision:
Description:		Drawn By:
HORIZONTAL X-SECTION		J ROSOWSKI
Title:		Date:
STOREFRONT ENTRANCE DOOR DETAILS - LM		03/05/16
Series/Model:	Scale:	Sheet:
SE-3550	NTS	12 OF 20
Drawing No.		Rev:
MD-3550.2-LM		D



- NOTES:**
- 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.
 - ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE 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.
- *SEE SHEET 17 FOR REQUIRED ATTACHMENT OF THRESHOLD ANGLE

TABLE 14:

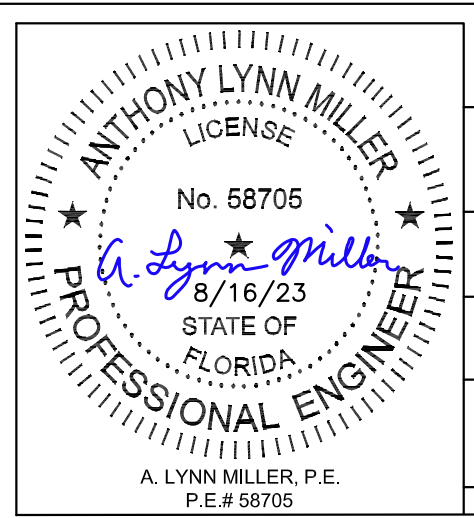
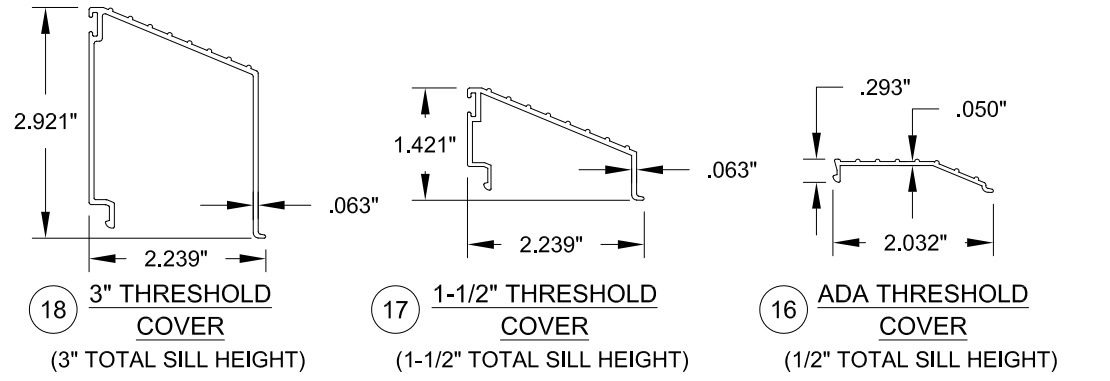
Water-Limited (+) DP			
Nominal Sill Height	Part #	Max. (+) DP Allowed	Limitations
1/4" (Saddle Threshold)	15	Not Rated for Water Infiltration	Overhang always required. Not available for Single Door sizes over 39-1/2" x 97-34" or Double Door sizes over 75-1/2" x 97-3/4".
1/2" (ADA Threshold)	14 & 16	+20 psf	Water-limited to a positive Design Pressure of +20.0 psf for Single Door sizes over 39-1/2" x 97-34" 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.

FIG 1: OH LENGTH

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.



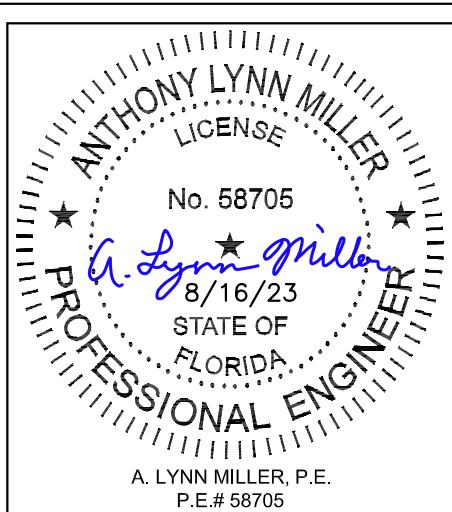
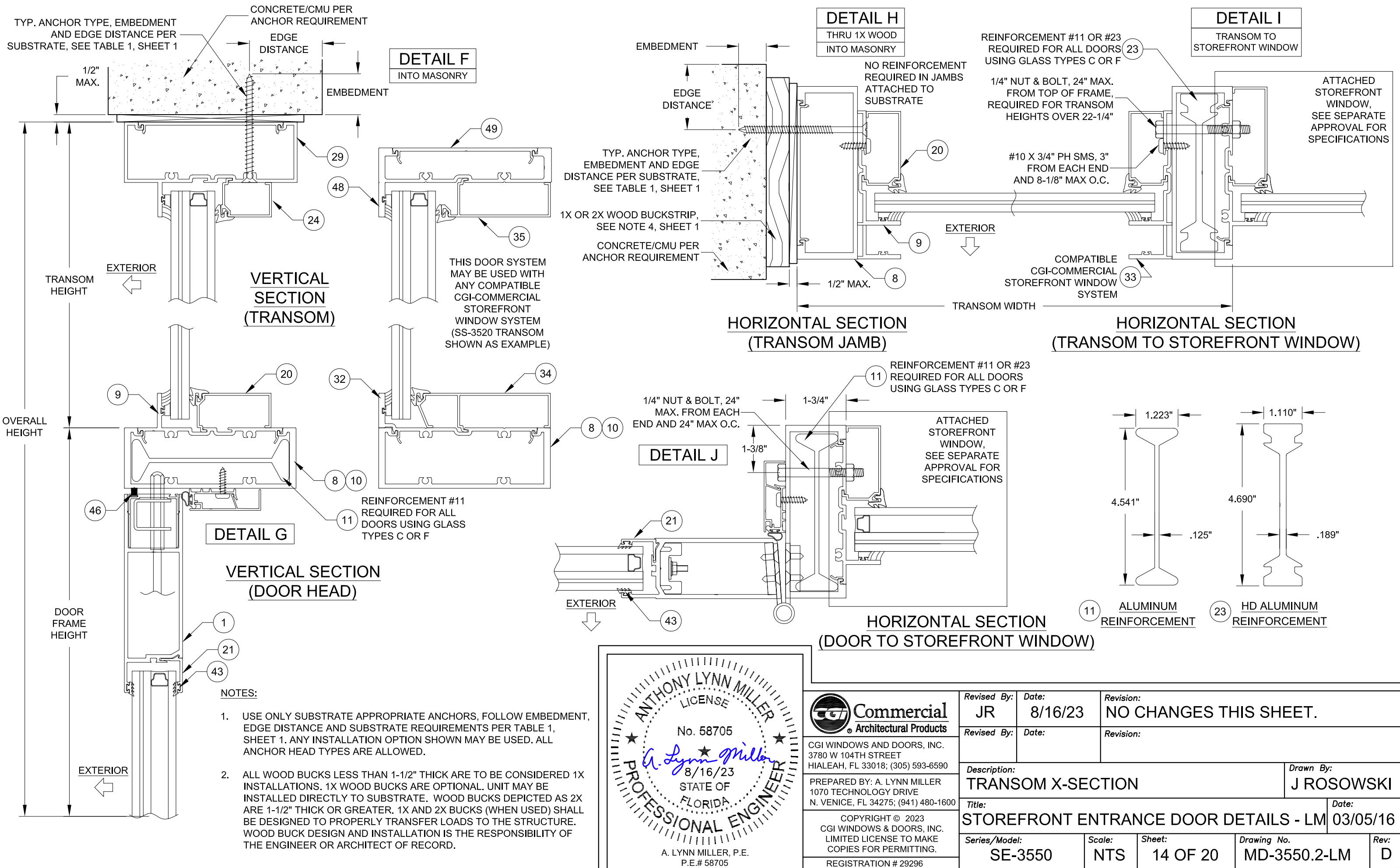
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Revised By:	Date:	Revision:
Description: VERTICAL X-SECTION		Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM		Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 13 OF 20
Drawing No. MD-3550.2-LM		Rev: D



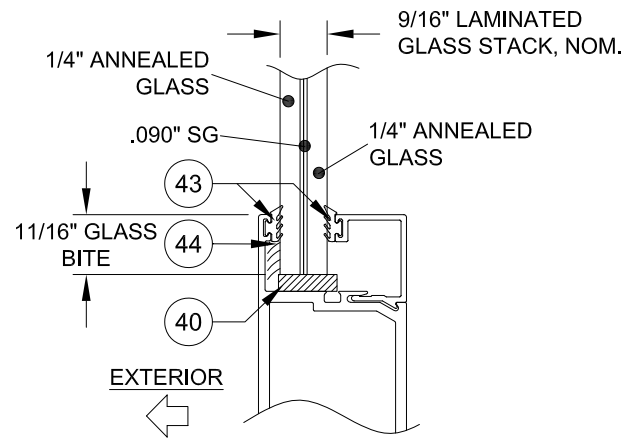
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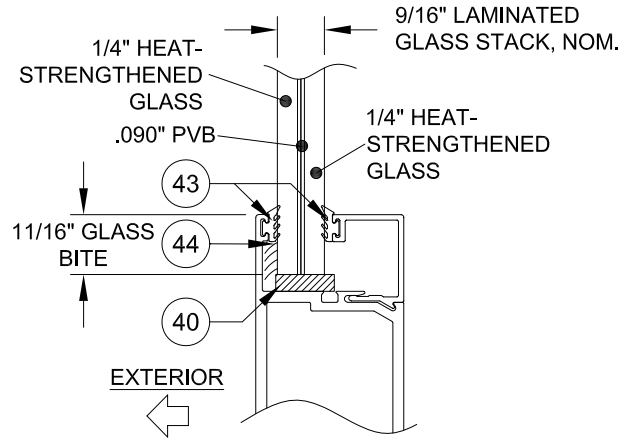
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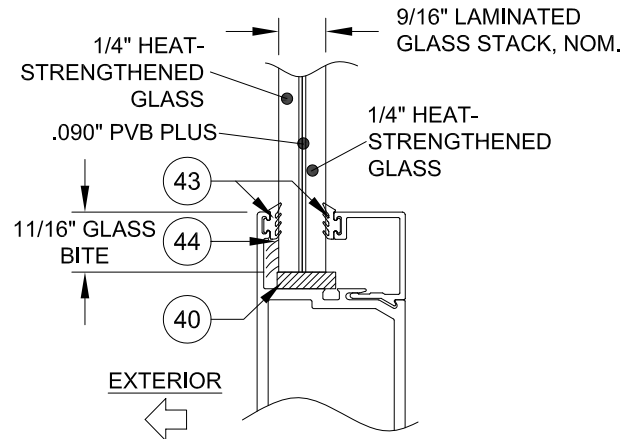
Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.
Revised By:	Date:	Revision:
Description: TRANSOM X-SECTION		Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM		Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 14 OF 20
Drawing No. MD-3550.2-LM		Rev: D



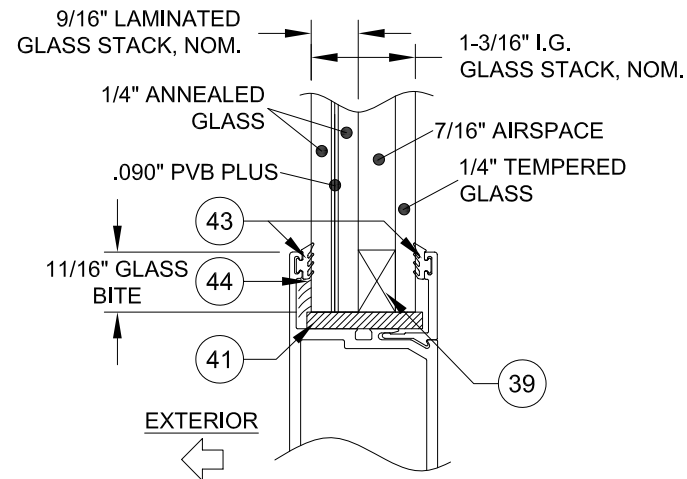
GLASS TYPE A



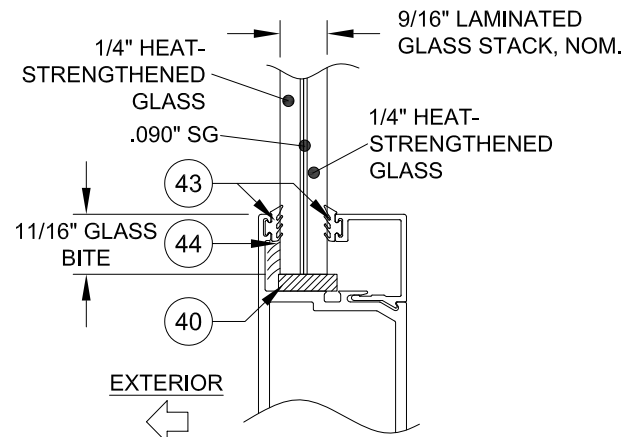
GLASS TYPE B



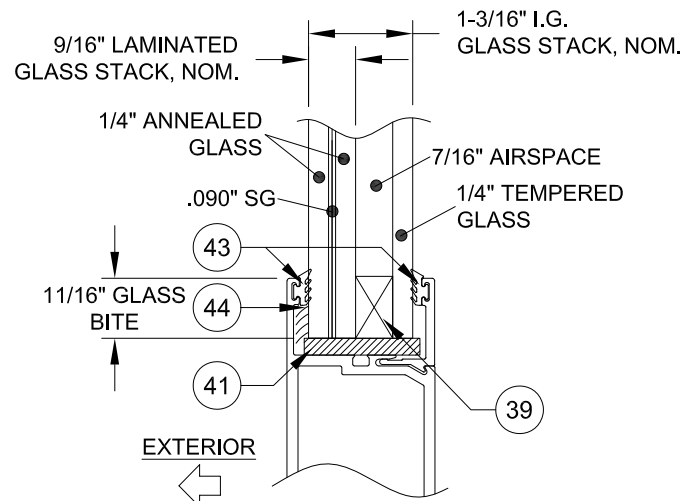
GLASS TYPE G



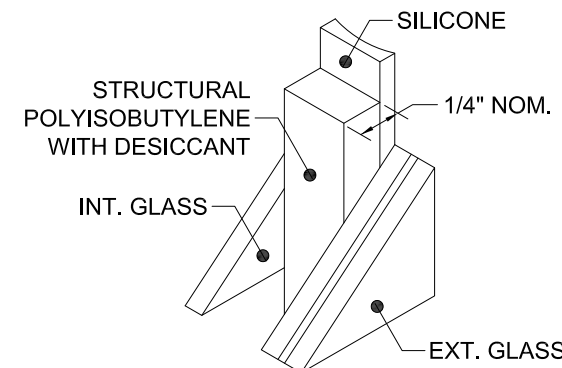
GLASS TYPE H



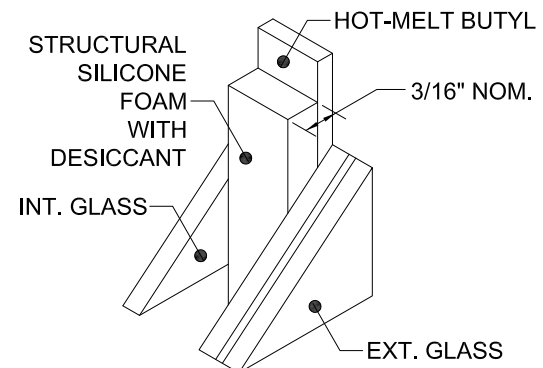
GLASS TYPE C



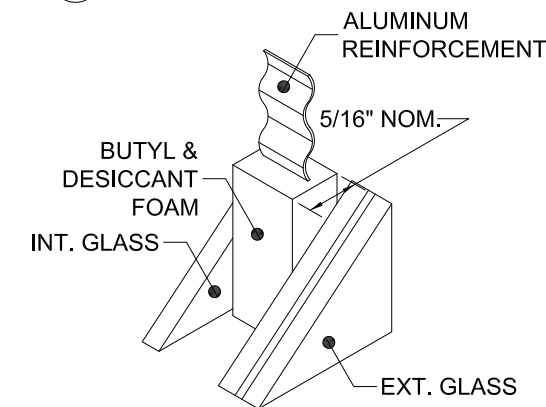
GLASS TYPE D



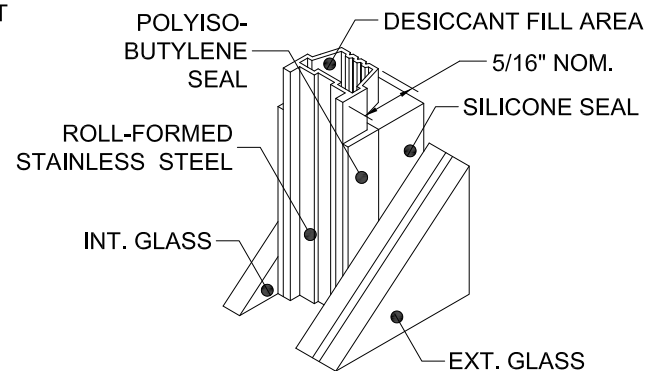
36 KODISPACE® 4SG TPS



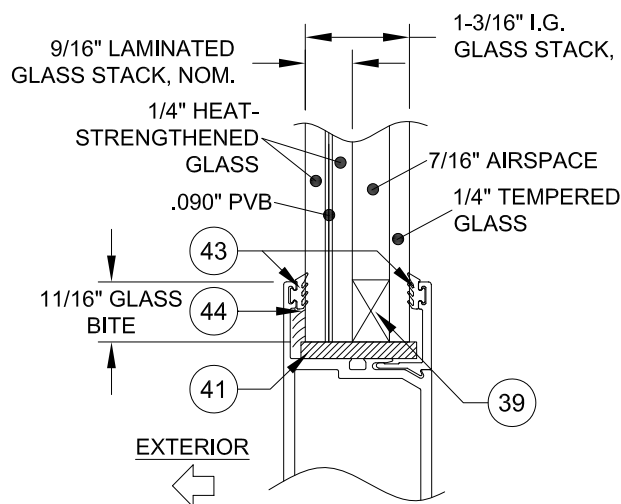
37 SUPER SPACER® NXT™



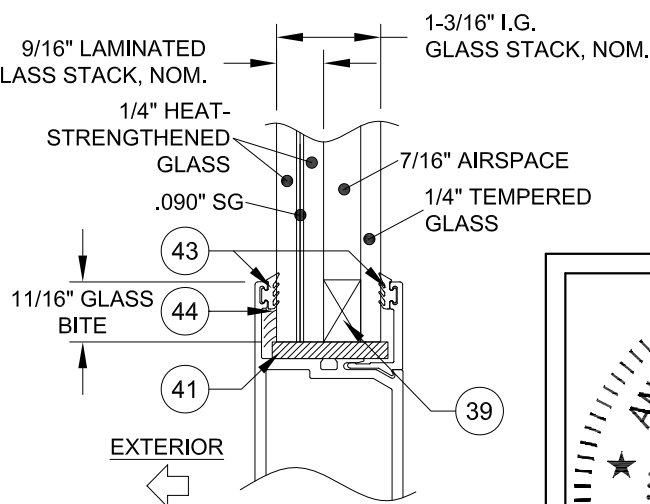
38 DURASEAL® SPACER



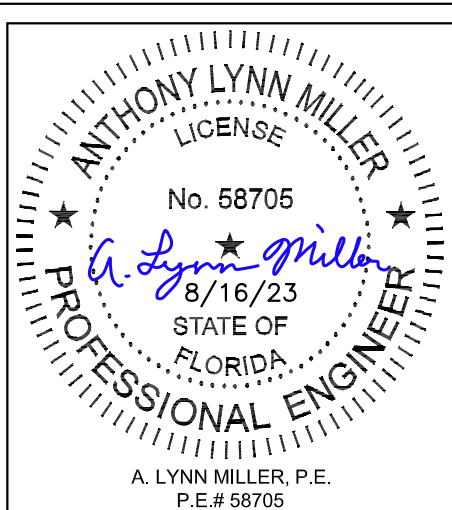
39 XL EDGE™ SPACER



GLASS TYPE E



GLASS TYPE F



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Revised By: JR	Date: 8/16/23	Revision: NO CHANGES TO SHEET H.
Revised By:	Date:	Revision:
Description: GLAZING DETAILS		Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM		Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 15 OF 20
Drawing No. MD-3550.2-LM		Rev: D

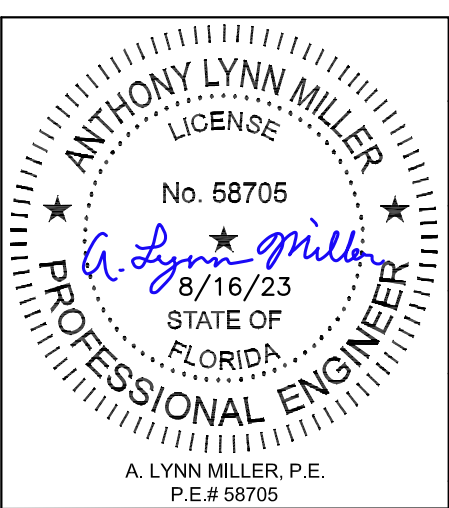
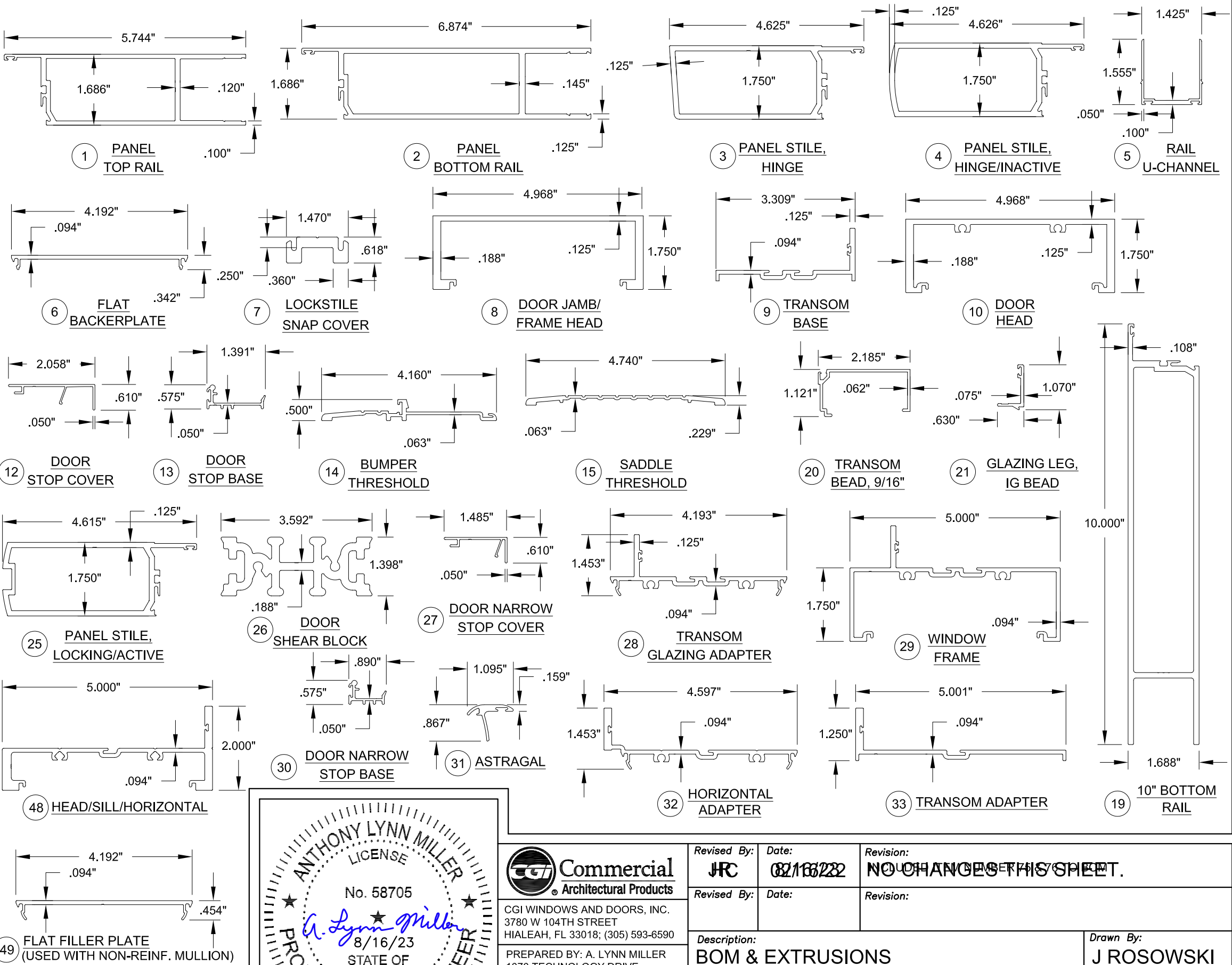
NOTES:
1. GLAZING FOR ALL GLASS TYPES MEETS ASTM E1300 FOR ALL APPROVED DOOR PANEL AND TRANSOM SIZES.

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

TABLE 15:

Item #	CGI Part #	Description	Material
1	CGIC - 026	Door Leaf Head Rail	6063-T6 Alum.
2	CGIC - 027	Door Leaf Bottom Rail	6063-T6 Alum.
3	CGIC - 028	Active Door Stile	6063-T6 Alum.
4	CGIC - 031	Inactive Door Stile	6063-T6 Alum.
5	CGIC - 077	Door Rail Filler	6063-T6 Alum.
6	CGIC - 003	Flat Snap Cover	6063-T6 Alum.
7	CGIC - 032	Lock Stile Backer Plate	6063-T6 Alum.
8	CGIC - 014	Door Frame Head/Jamb	6063-T6 Alum.
9	CGIC - 044	Transom Jamb Adapter	6063-T6 Alum.
10	CGIC - 013	Door Frame Head/Jamb	6063-T6 Alum.
11	CGIC - 021	Door Alum. Reinforcement	6063-T6 Alum.
12	CGIC - 018	Door Stop Cover	6063-T6 Alum.
13	CGIC - 017	Door Stop Base	6063-T6 Alum.
14	CGIC - 050	Bumper Threshold	6063-T6 Alum.
15	CGIC - 054	Saddle Threshold	6063-T6 Alum.
16	CGIC - 051	1/2" ADA Threshold Cover	6063-T6 Alum.
17	CGIC - 052	1 1/2" Threshold Cover	6063-T6 Alum.
18	CGIC - 053	3" Threshold Cover	6063-T6 Alum.
19	CGIC - 015	10" Door Bottom Rail (ADA Compliant)	6063-T6 Alum.
20	CGIC - 005	1 3/16" LIG Glass Stop	6063-T6 Alum.
21	CGIC - 078	1 3/16" LIG Door Glass Stop	6063-T6 Alum.
22	CGIC - 037	9/16" Lami Door Glass Stop	6063-T6 Alum.
23	CGIC - 022	HD Alum Reinforcement	6063-T6 Alum.
24	CGIC - 048	1 3/16" LIG Transom Glass Stop	6063-T6 Alum.
25	CGIC - 030	Active Door Stile (Lock Side XX)	6063-T6 Alum.
26	CGIC - 036	Shearblock	6063-T6 Alum.
27	CGIC - 018	Door Stop Cover	6063-T6 Alum.
28	CGIC - 002	Pocket Filler	6063-T6 Alum.
29	CGIC - 001	Head / Sill / Jamb	6063-T6 Alum.
31	CGIC - 095	Residential Astragal	6063-T6 Alum.
32	CGIC - 202	Horizontal Pocket Filler	6063-T6 Alum.
33	CGIC - 212	Door Tramson Adapter	6063-T6 Alum.
34	CGIC - 204	9/16" Lami Glass Stop	6063-T6 Alum.
35	CGIC - 205	1 3/16" LIG Glass Stop	6063-T6 Alum.
36		Kommerling KodiSpace 4SG TPS Spacer System	See Sheet 15 for Materials
37		Quanex Super Spacer nXT with Hot Melt Butyl	
38		Quanex Duraseal	
39		Cardinal XL Edge Spacer	
40	MISC - 127	Lami Setting Blocks For Panel	MISC
41	MISC - 128	LIG Setting Blocks For Panel (BOX1875)	MISC
43	GSKT - 020	Glazing Leg/Glass Stop Weatherstrip	GASKET
44	SILC - 131 - 132	Dow-791, 983 Backbedding	SILICONA
45	GSKT - 020	Threshold, Door Stop Base, Astragal Bulb Gasket	Flex PVC 70
46	GSKT - 197	Bugsweep Weatherstrip	GASKET
47	GSKT - 033	Active Panel Weatherstrip Gasket 8'	GASKET
48	CGIC-201	Head/Sill/Horizontal	6063-T6 Alum.
49	CGIC-203	Flat Filler Plate (used with non-reinf. mullion)	6063-T6 Alum.
51	SCRW - 010	Storefront/Door Frame Screw, #12 x 1-1/2" Hex Washer	Stainless Steel
52	SCRW - 019	Door Stop Base And Glazing Leg Screw #10 x 3/4" Ph.	Stainless Steel
53	SCRW - 025	Threshold Angle Clip Screw #8 x 3/8" Ph.	Stainless Steel
54	SCRW - 041	Shearblock SD Screw (Box 2000) 1/4" x 1-1/2" Ph.	Stainless Steel
55	SCRW - 039	Door Panel Assembly Bolt 5/16" - 18 x 1"	Stainless Steel
56	SCRW - 040	Door Panel Assembly Nut 5/16" - 18 Hex	Stainless Steel
57	HING - 074	Regent Butt Hinge Swage With Screws	Stainless Steel
58	HING - 075-038	Regent Hinge Backing Plate W Notch (For Frame)	6063-T6 Alum.
59	SCRW - 076	Regent Hinge Backing Plate Screw #12-24 x 1/2" Ph.	Stainless Steel
74	SCRW - 265	#6 x 5/8" Ph. PH Screw, Bugsweep	Stainless Steel
75	MISC - 024	2 X 5 Threshold Angle Clip	6063-T6 Alum.
76	GSKT - 197	Bugsweep Weatherstrip	GASKET

1. PARTS 30, 42 & 50 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
2. FOR PARTS 60-73 & 77, SEE HARDWARE BOM ON SHEETS 18, 19, & 20.
3. ADDITIONAL EXTRUSIONS ON SHEETS 13, 14 & 17.



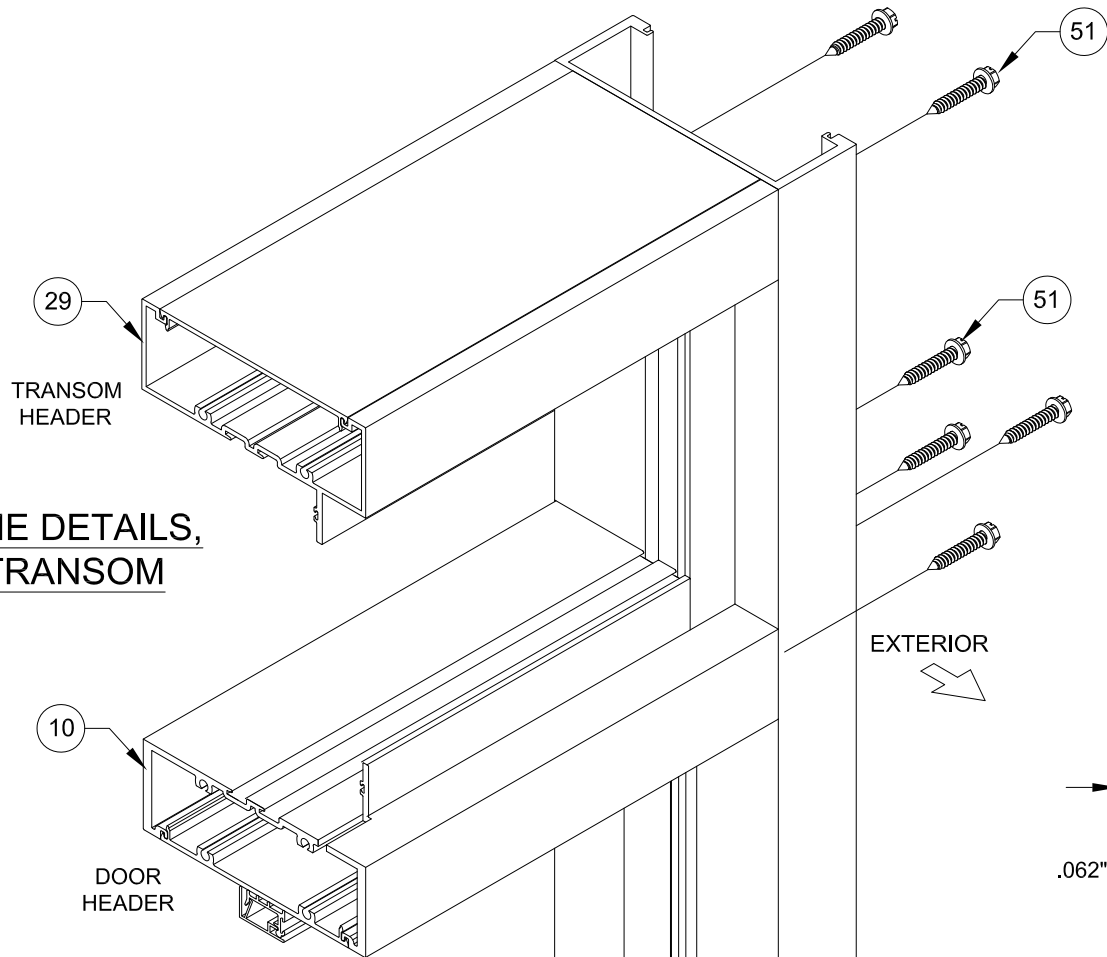
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3780 W 104TH STREET
HIALEAH, FL 33018; (305) 593-6590

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

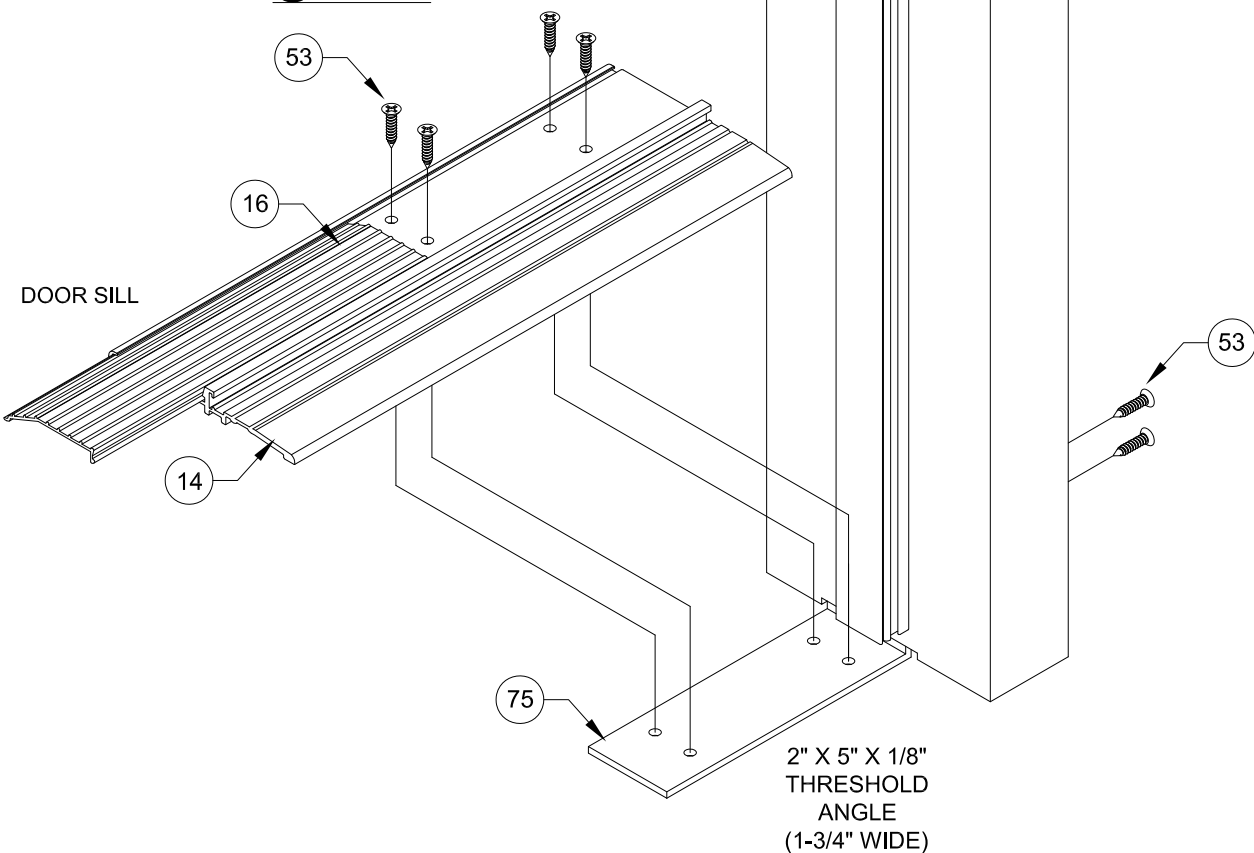
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Revised By: JRC	Date: 02/16/22	Revision: NO CHANGES THIS SHEET.
Revised By:	Date:	Revision:
Description: BOM & EXTRUSIONS		Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM		Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 16 OF 20
Drawing No. MD-3550.2-LM		Rev: D

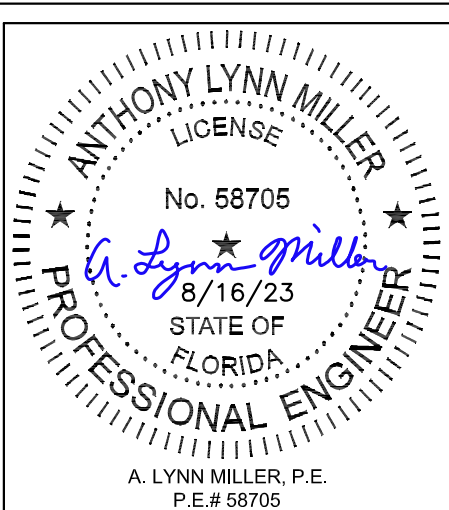
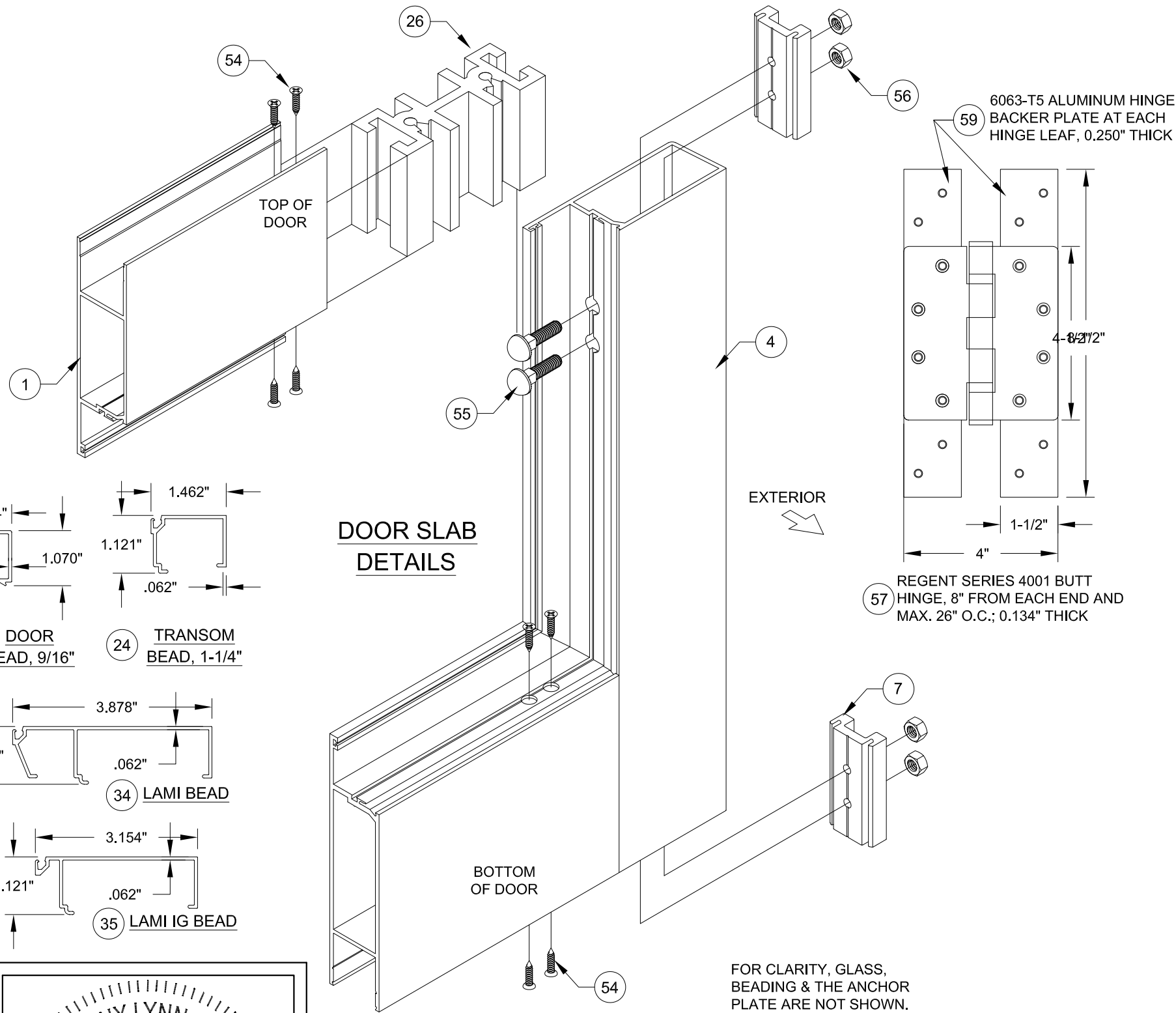
FRAME DETAILS,
@ TRANSOM



FRAME DETAILS,
@ DOOR



DOOR SLAB
DETAILS



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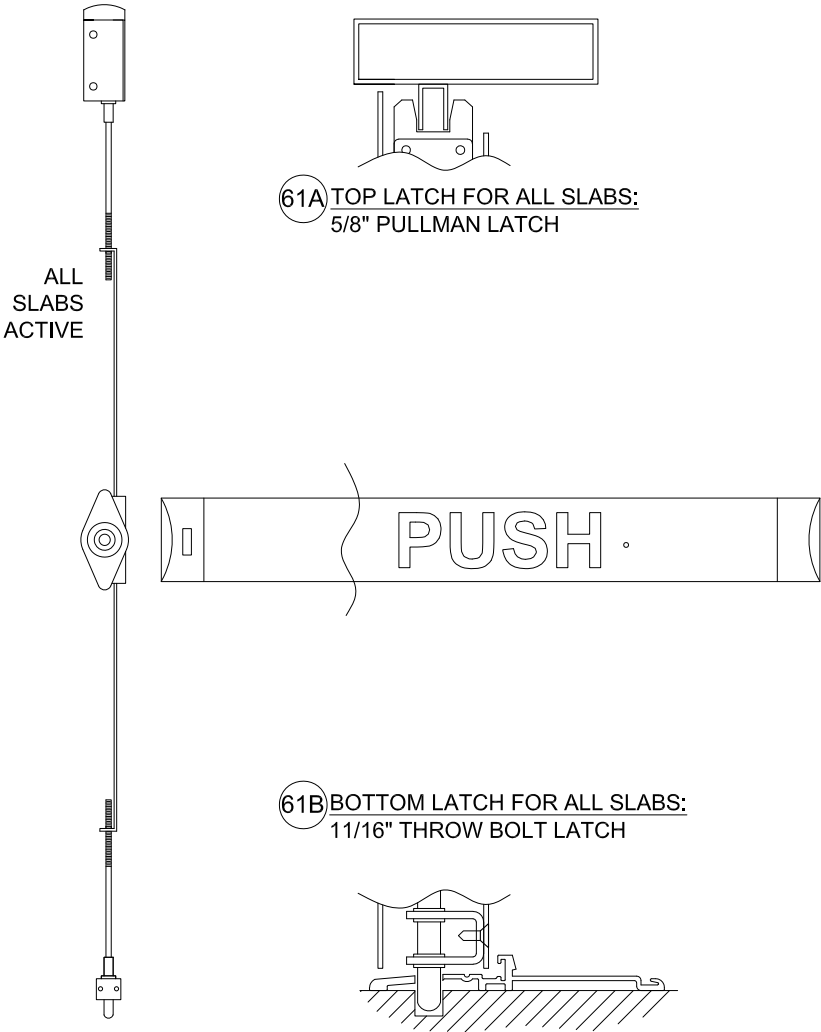
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1070 TECHNOLOGY DRIVE
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Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.
Revised By:	Date:	Revision:
Description: CORNER DETAILS		Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM		Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 17 OF 20
Drawing No. MD-3550.2-LM		Rev: D

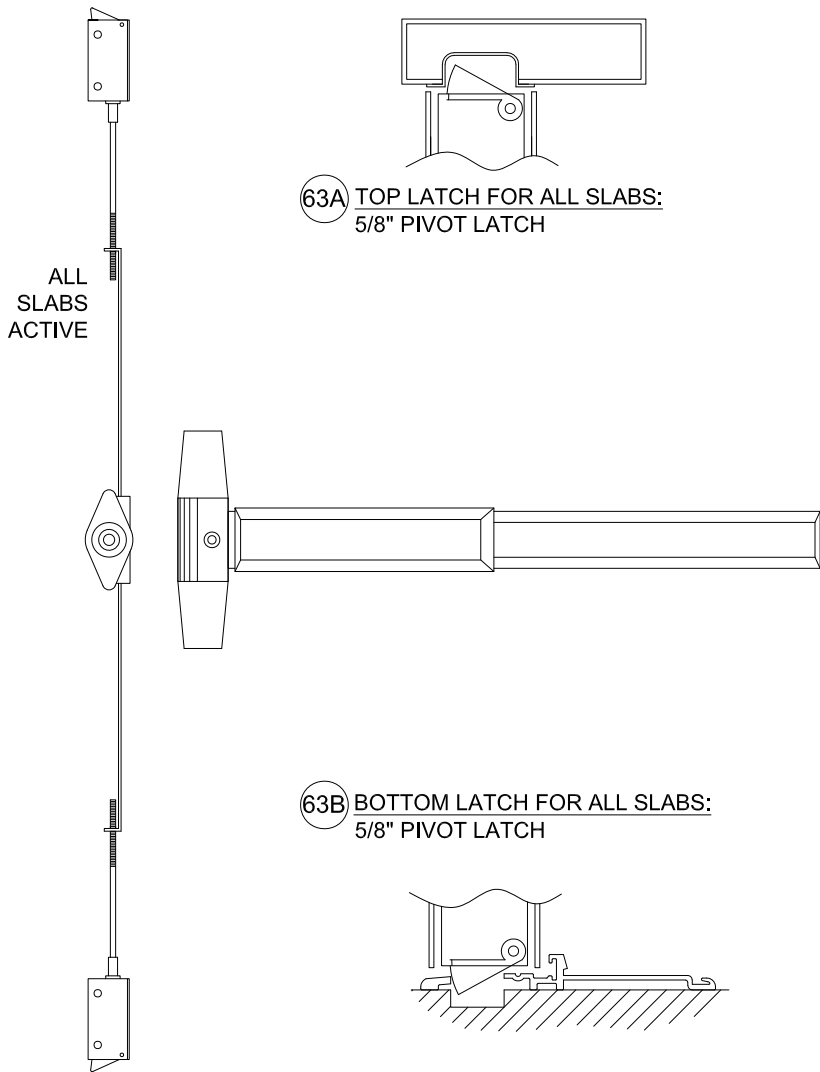
LOCK OPTION #1
(MAX. DP OF +90.0/-120.0)

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



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.



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

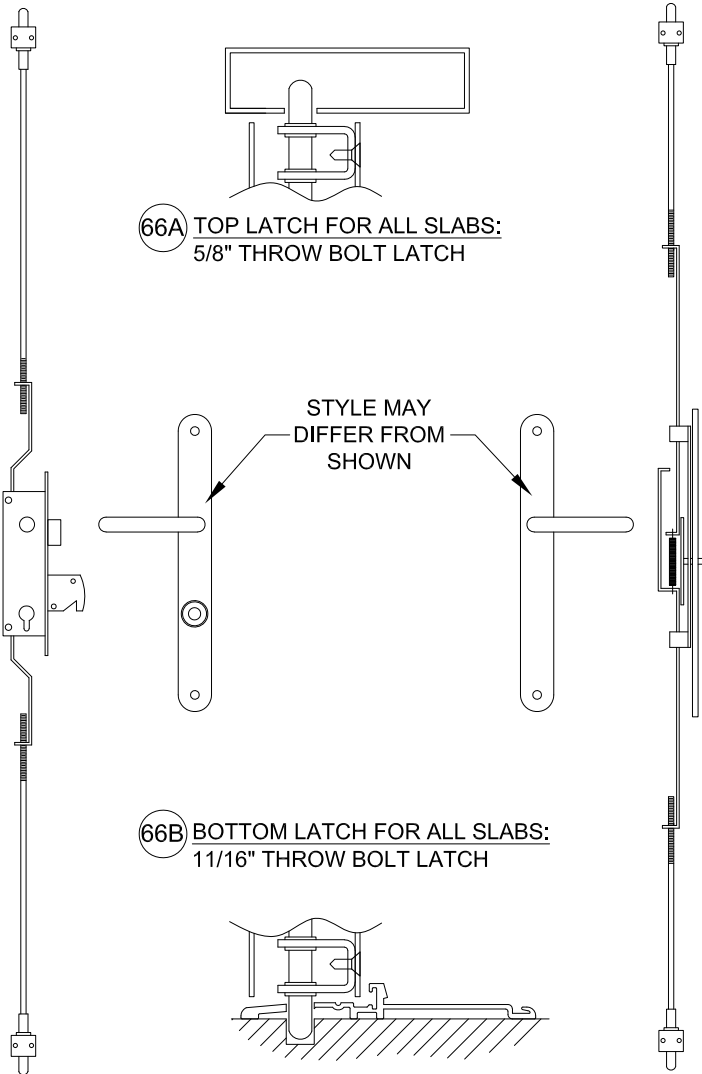
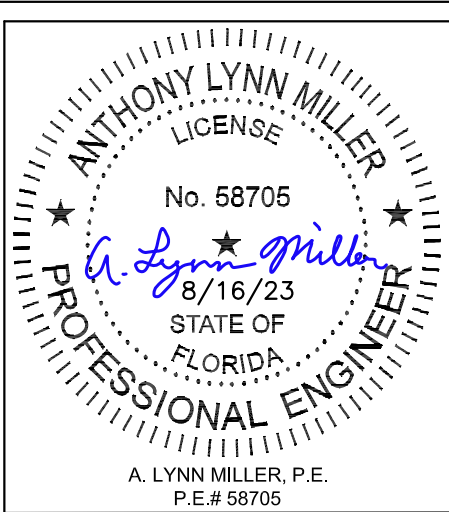


TABLE 16A:

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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1070 TECHNOLOGY DRIVE
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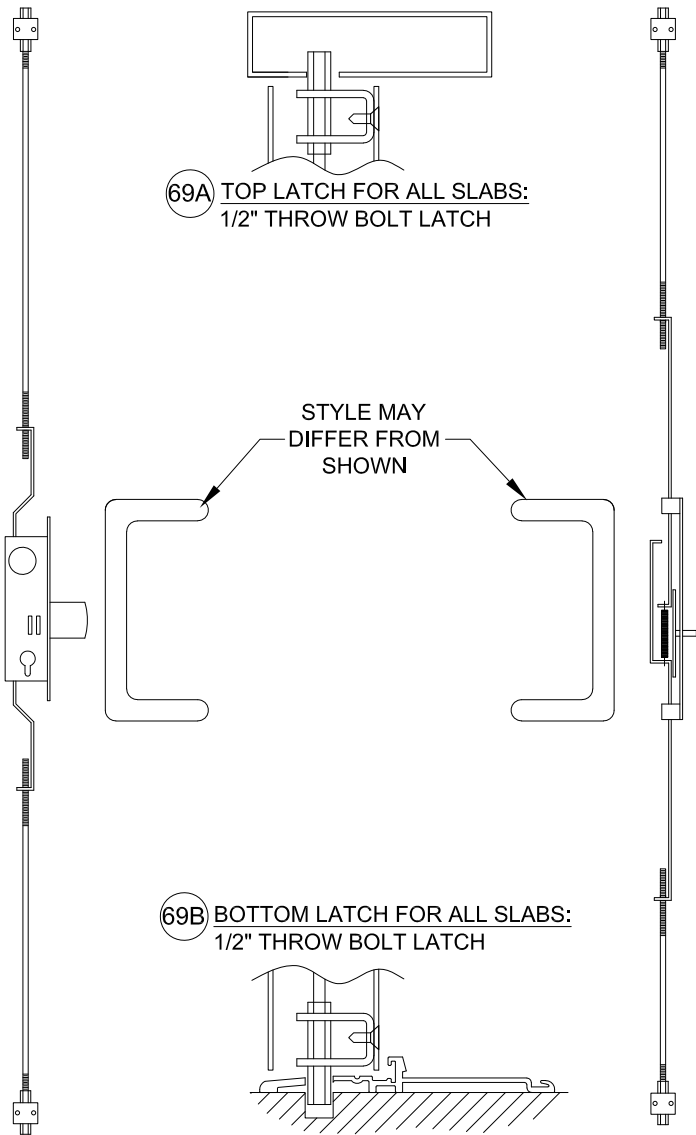
Revised By: JR	Date: 8/16/23	Revision: NO CHANGES THIS SHEET.			
Revised By:	Date:	Revision:			
Description: HARDWARE A					Drawn By: J ROSOWSKI
Title: STOREFRONT ENTRANCE DOOR DETAILS - LM					Date: 03/05/16
Series/Model: SE-3550	Scale: NTS	Sheet: 18 OF 20	Drawing No. MD-3550.2-LM	Rev: D	

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.

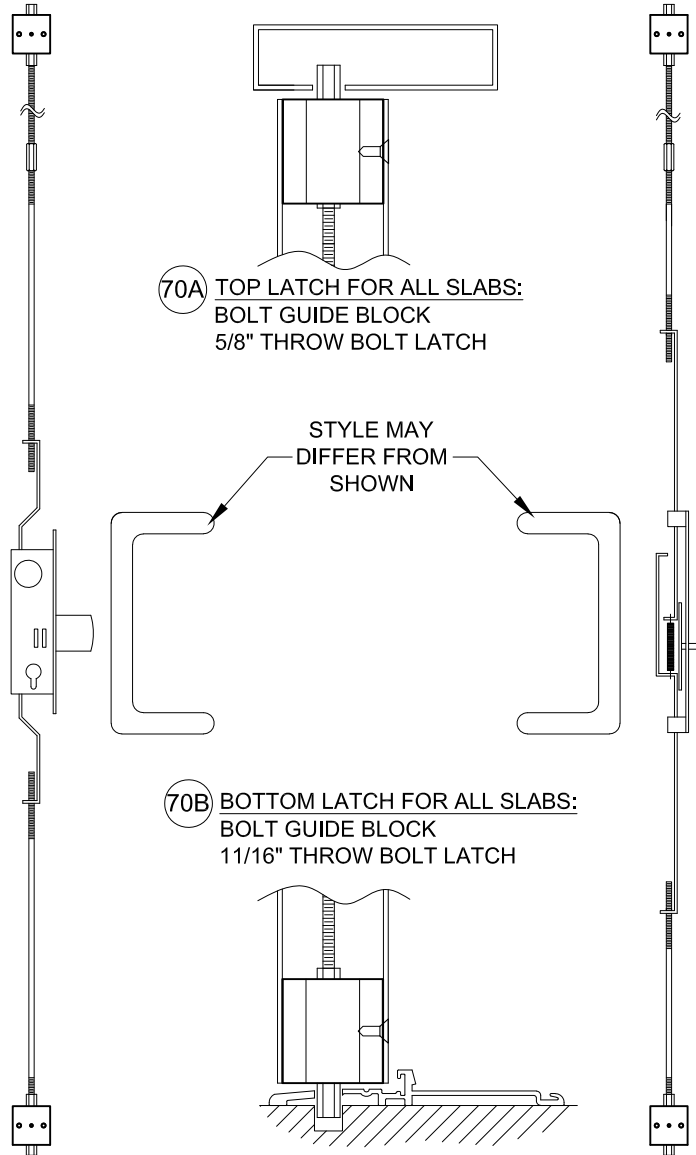


LOCK OPTION #5 (HD COMMERCIAL)

(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.

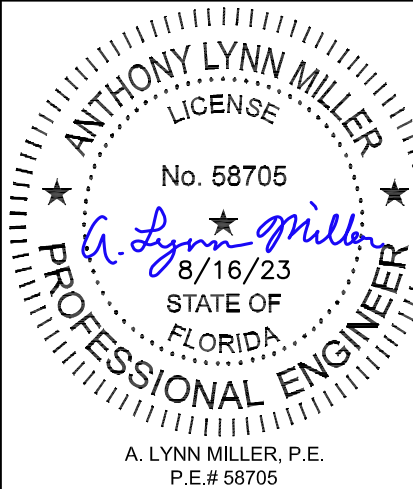
68 LOCK FOR NON-ACTIVE SLABS:
2-POINT LOCK SYSTEM
REGENT SERIES 2-PT-L
KEY OPERATED ON EXT.
THUMB-TURN ON INT.



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

TABLE 16B:

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

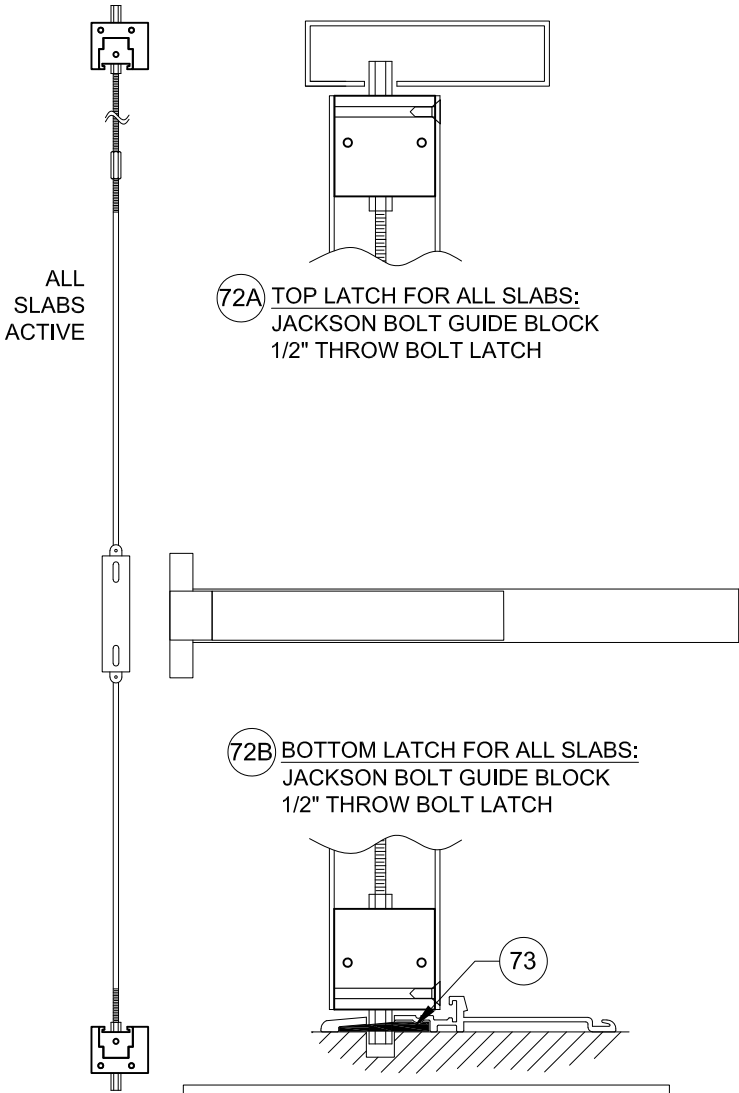
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JR	8/16/23	NO CHANGES THIS SHEET.				
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Description:						Drawn By:
HARDWARE B						J ROSOWSKI
Title:						Date:
STOREFRONT ENTRANCE DOOR DETAILS - LM						03/05/16
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LOCK OPTION #6
(MAX. DP OF +90.0/-100.0)

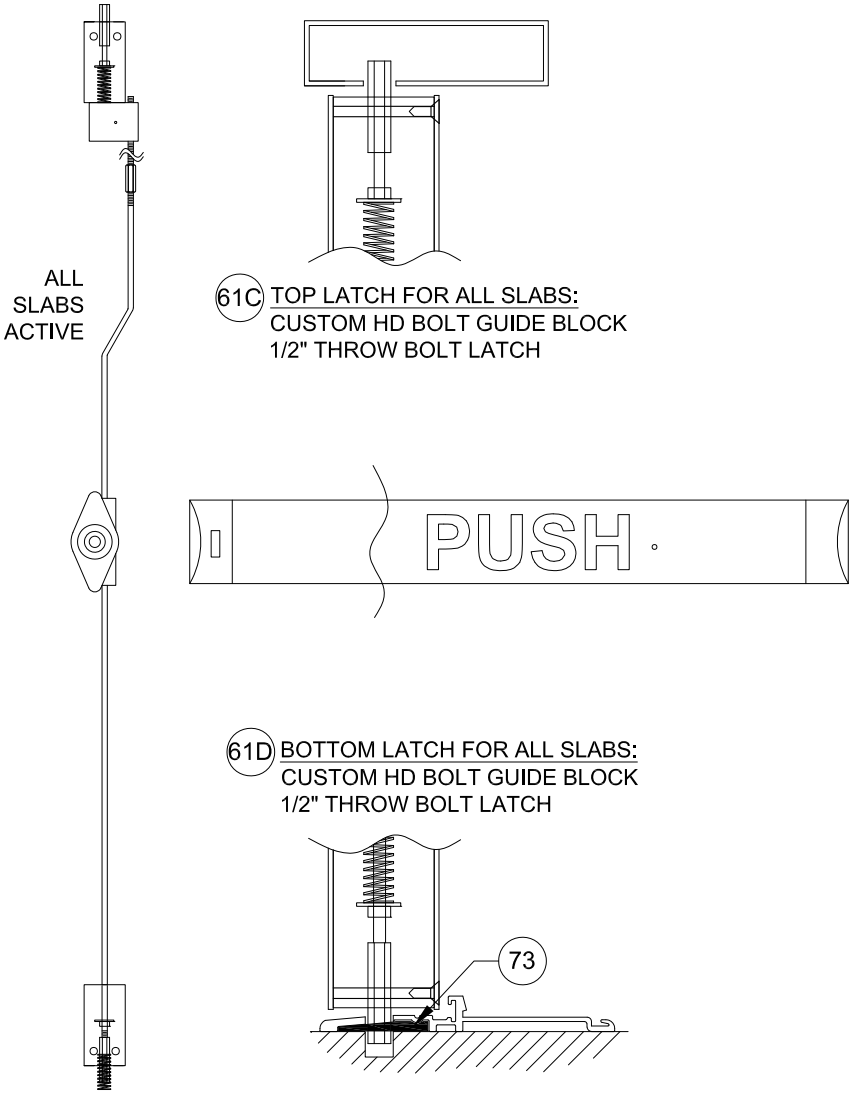
- 71 LOCK FOR ALL SLABS:
2-POINT PANIC BAR, ALL SLABS
JACKSON SERIES 2086
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.



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

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

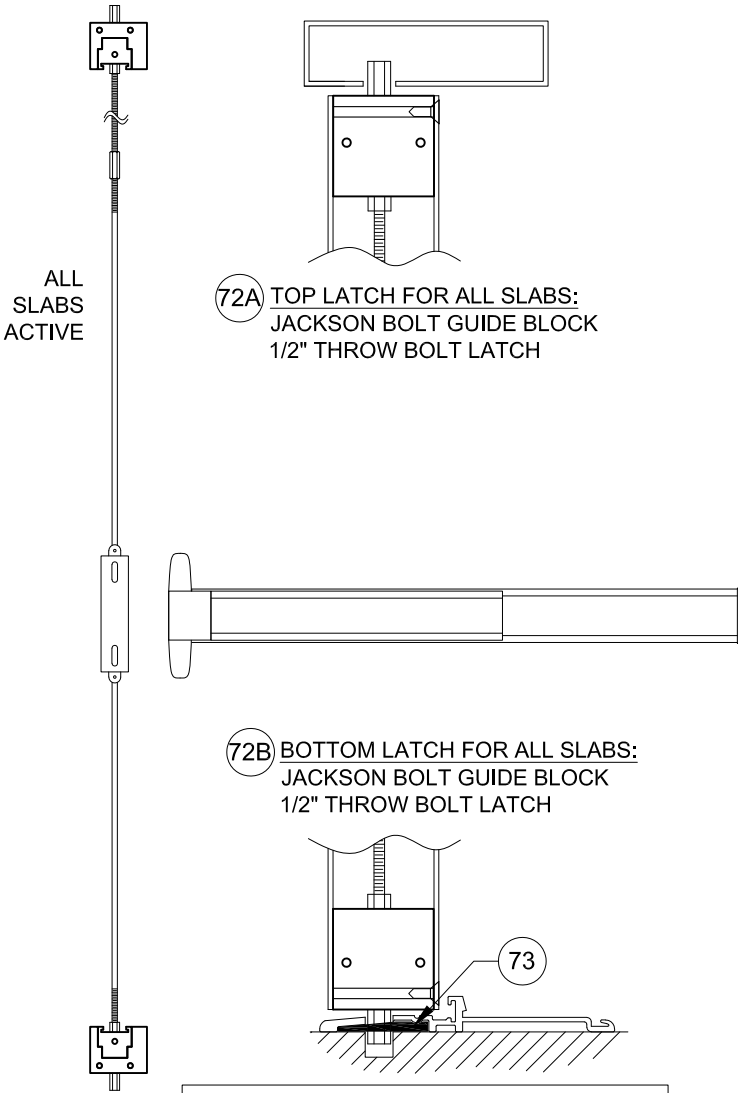
- 60 LOCK FOR ALL SLABS:
2-POINT PANIC BAR, ALL SLABS
REGENT SERIES 5770
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.



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

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

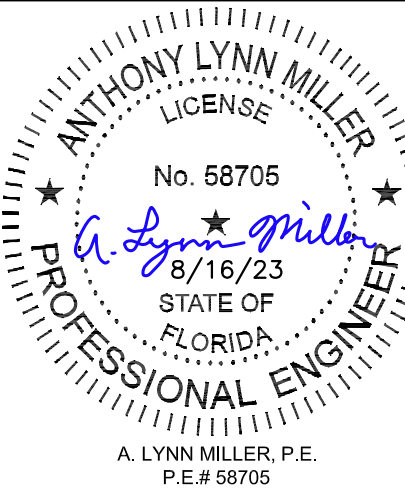
- 77 LOCK FOR ALL SLABS:
2-POINT PANIC BAR, ALL SLABS
REGENT SERIES 5880
OPT. KEY OPERATED ON EXT.
OPT. KEY/THUMB-TURN ON INT.



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

TABLE 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"





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PREPARED BY: A. LYNN MILLER
1070 TECHNOLOGY DRIVE
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Description:		Drawn By:		
HARDWARE C		J ROSOWSKI		
Title:		Date:		
STOREFRONT ENTRANCE DOOR DETAILS - LM		03/05/16		
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SE-3550	NTS	20 OF 20	MD-3550.2-LM	D