

GENERAL NOTES: SS-3520 IMPACT-RESISTANT STOREFRONT WINDOW SYSTEM

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. GLAZING: SEE GLAZING DETAILS ON SHEET 6 & GLAZING TYPES ON SHEET 8.
4. DESIGN PRESSURES:
 - A) NEGATIVE DESIGN LOADS BASED ON STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300.
 - B) POSITIVE DESIGN LOADS BASED ON WATER INFILTRATION, STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E1300.
 - C) DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
5. 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.
6. 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.
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 ULTRACON & CRETEFLEX NOA'S

ANCHOR NOTES:

1. 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.
2. FOR SUBSTRATE APPLICATIONS SEE TABLE 1 ON THIS SHEET.
3. 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.
4. SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
5. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER THE FBC AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

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ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLIES. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, HEAT STRENGTHENED OR TEMPERED LAMINATED GLASS MUST BE USED.

FLORIDA PRODUCT APPROVAL # 25574

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"
	5/16" DeWalt Ultracon	Concrete (min. 3.52 ksi)	3-1/8"	2"	3"
		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.

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

ALL ANCHOR HEAD
TYPES ARE ALLOWED.

INSTRUCTIONS:

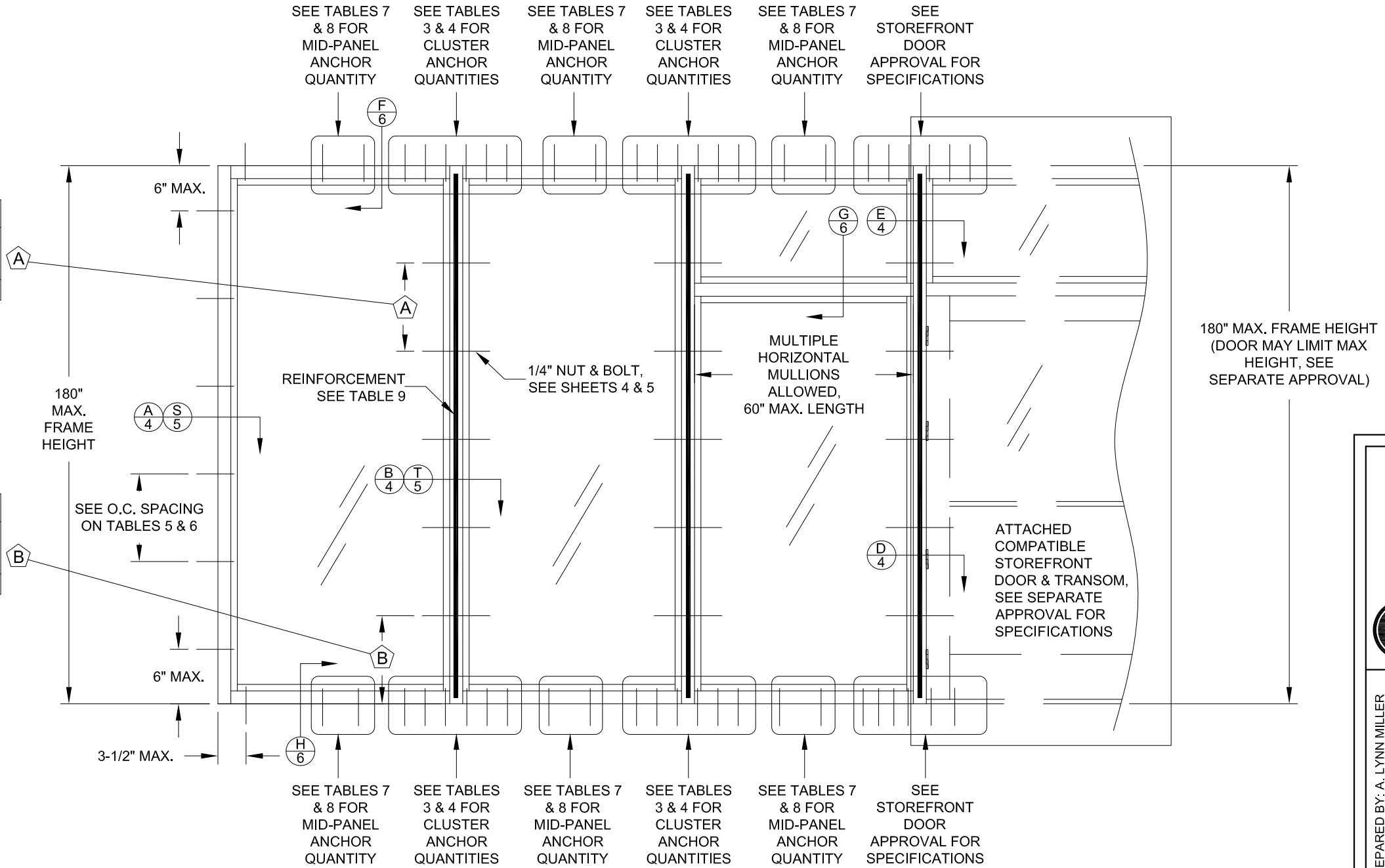
1. DETERMINE THE BUILDING'S REQUIRED DESIGN PRESSURE USING THE ASCE 7 STANDARD. THE PRODUCT'S DESIGN PRESSURE MUST MEET OR EXCEED THIS VALUE.
2. DETERMINE THE ANCHOR TYPE FROM TABLE 1, SHEET 1.
3. DETERMINE THE GLASS DESIGN PRESSURE FROM TABLE 2.
4. MID-PANEL ANCHOR QUANTITIES ARE GIVEN IN TABLES 7 & 8 AND HAVE BEEN CALCULATED FOR THE PRODUCT'S MAXIMUM DP.
5. IF THE STOREFRONT WINDOW IS ATTACHED TO ANOTHER WINDOW THROUGH A COMMON MULLION:
 - A) DETERMINE THE MULLION DESIGN PRESSURE FROM TABLE 9.
 - B) DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO MULLION CLUSTER ANCHORAGE FROM TABLES 3 OR 4 BASED ON YOUR SHIM SPACE, ANCHOR TYPE AND THE QUANTITY OF ANCHORS.
6. IF THE JAMBS ARE ANCHORED TO THE SUBSTRATE:
 - A) THE SPACING IS GIVEN IN TABLES 5 & 6 AND HAVE BEEN CALCULATED FOR THE PRODUCT'S MAXIMUM DP.IF THE JAMBS ARE ANCHORLESS:
 - A) DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO CLUSTER ANCHORAGE FROM TABLES 3 OR 4 BASED ON YOUR SHIM SPACE, ANCHOR TYPE AND THE QUANTITY OF ANCHORS.
 - B) DETERMINE THE JAMB DESIGN PRESSURE FROM TABLE 9.
7. THE LOWEST DESIGN PRESSURE FROM ALL TABLES REFERENCED ABOVE, SHALL BE USED FOR THE ENTIRE ASSEMBLY.
8. IF COMBINED WITH A COMPATIBLE STOREFRONT ENTRANCE DOOR, THE LESSER DESIGN PRESSURE OF THE DOOR OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.

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Notes	Scale	Sheet	DWG	No.	By	Rev.	
SS-3520	NTS	1 OF 16	SS3520FPA-A	01/02/18	JENS ROSOWSKI	ADDED GLASS TYPES 5 & 6, UPDATED TABLE 1 ANCHOR NAMES.	
STOREFRONT WINDOW SYSTEM DETAILS - LM							
NOTES & ANCHOR GROUPS							
- JR - 8/16/23							

MAX. O.C. DISTANCES		
REINFORCED 5" MULLION	UNREINF. 5" MULLION	REINFORCED & UNREINFORCED 7" HD MULLION
24"	14-3/8"	24"

MAX. END DISTANCES		
REINFORCED 5" MULLION	UNREINF. 5" MULLION	REINFORCED & UNREINFORCED 7" HD MULLION
24"	12-7/8"	24"



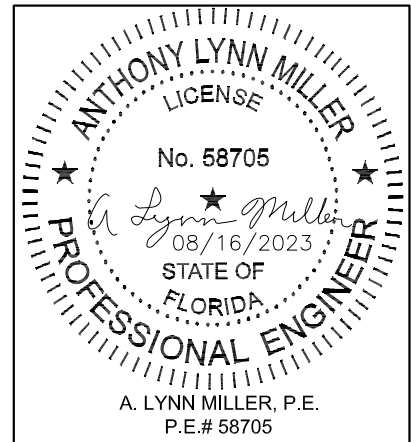
**TYP. ELEVATION OF STOREFRONT WINDOW SYSTEM WITH
EXAMPLES OF HORIZONTAL MULLION & STOREFRONT DOOR**

- NOTES:**
- IF COMBINED WITH A COMPATIBLE STOREFRONT ENTRANCE DOOR, THE LESSER DESIGN PRESSURE VALUE OF THE DOOR OR THE WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
 - SEE TABLES FOR MAXIMUM ALLOWED SIZES.
 - SEE SHEET 8 FOR DAYLIGHT OPENING (DLO) FORMULAS.

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STOREFRONT WINDOW SYSTEM DETAILS - LM

ELEVATION A

JENS ROSOWSKI

SS3520FPA-A

01/02/18

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NTS

SS-3520

DWG

Drawn By

Date

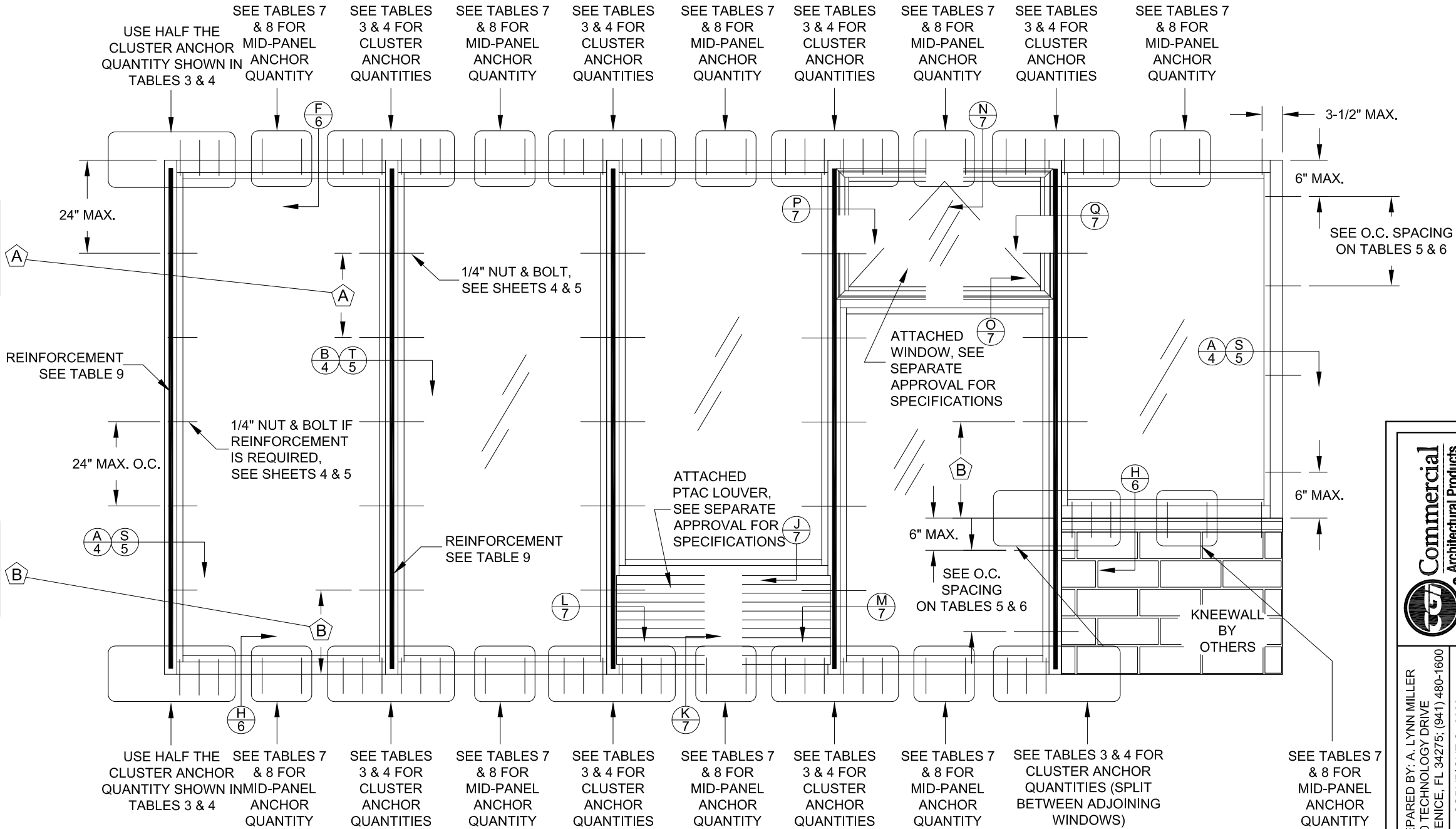
Rev. Description

Rev.

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MAX. O.C. DISTANCES		
REINFORCED 5" MULLION	UNREINF. 5" MULLION	REINFORCED & UNREINFORCED 7" HD MULLION
24"	14-3/8"	24"

MAX. END DISTANCES		
REINFORCED 5" MULLION	UNREINF. 5" MULLION	REINFORCED & UNREINFORCED 7" HD MULLION
24"	12-7/8"	24"



TYP. ELEVATION OF ANCHORLESS JAMB

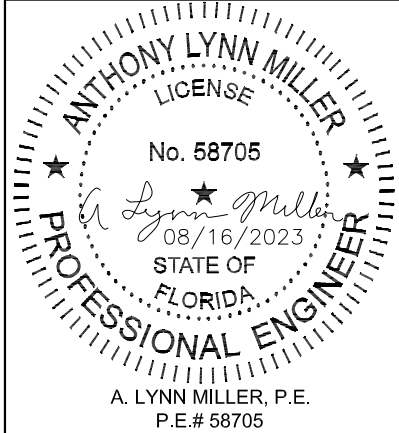
TYP. ELEVATION OF STOREFRONT WINDOW SYSTEM WITH EXAMPLES OF WINDOW INSERT, PTAC INSERT & KNEEWALL

- NOTES:
- IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (COMPATIBLE STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
 - SEE TABLES FOR MAXIMUM ALLOWED SIZES.
 - AWNING WINDOW INSERT SHOWN BUT MAY BE ANY APPROVED PGT, CGI OR WINDOOR WINDOW WITH A FLANGED FRAME.
 - SEE SHEET 8 FOR DAYLIGHT OPENING (DLO) FORMULAS.
 - MULTIPLE INSERTS WITHIN THE SAME STOREFRONT WINDOW ALLOWED.

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STOREFRONT WINDOW SYSTEM DETAILS - LM

ELEVATION B

JENS ROSOWSKI

SS-3520

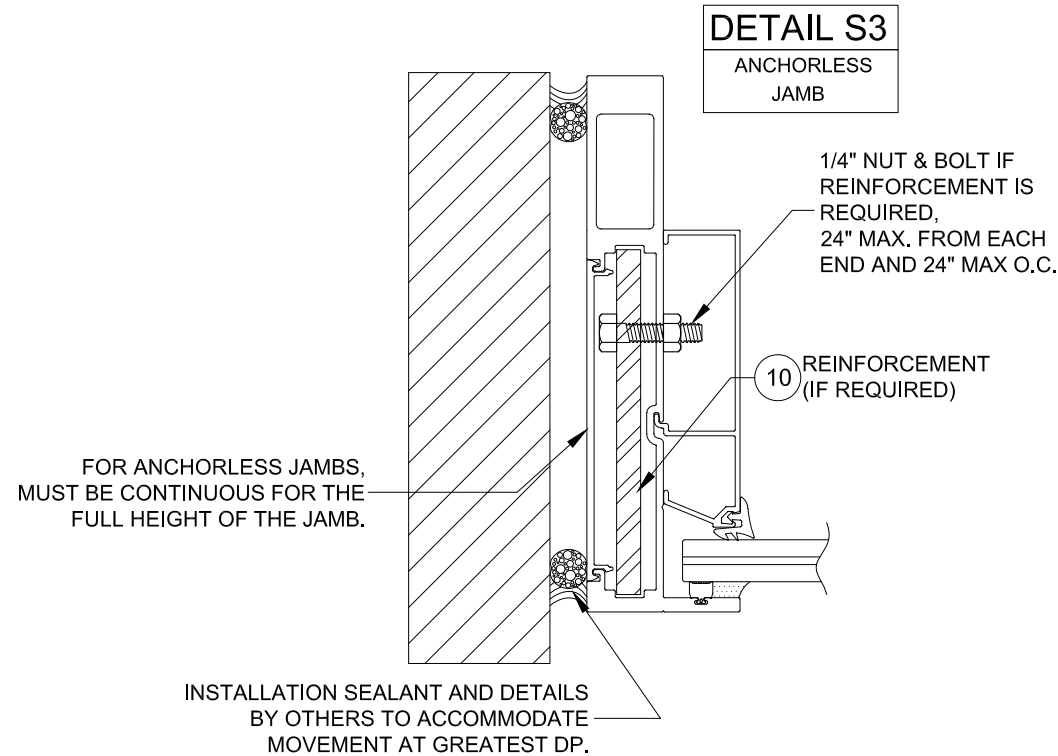
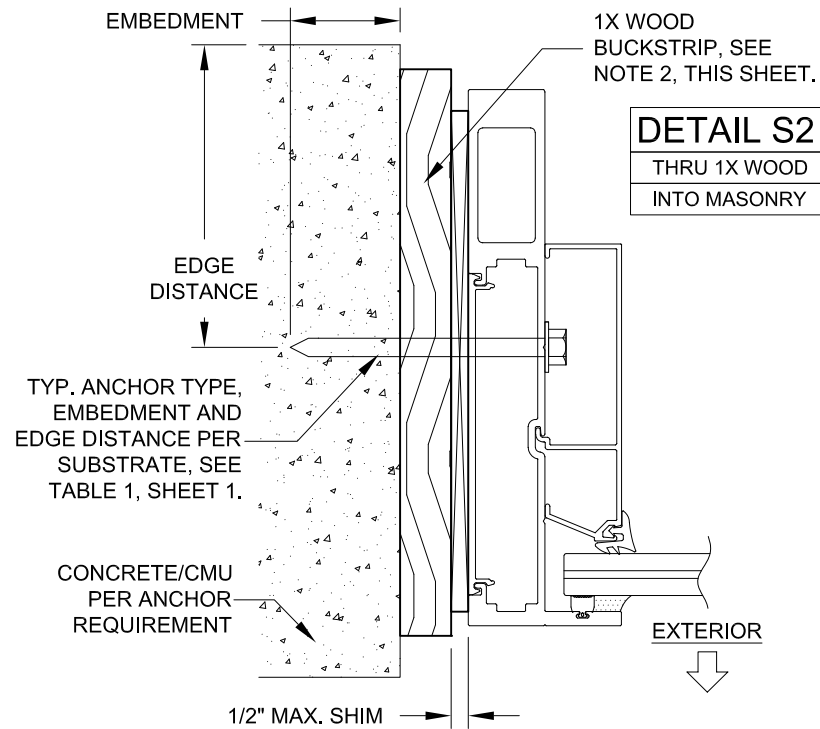
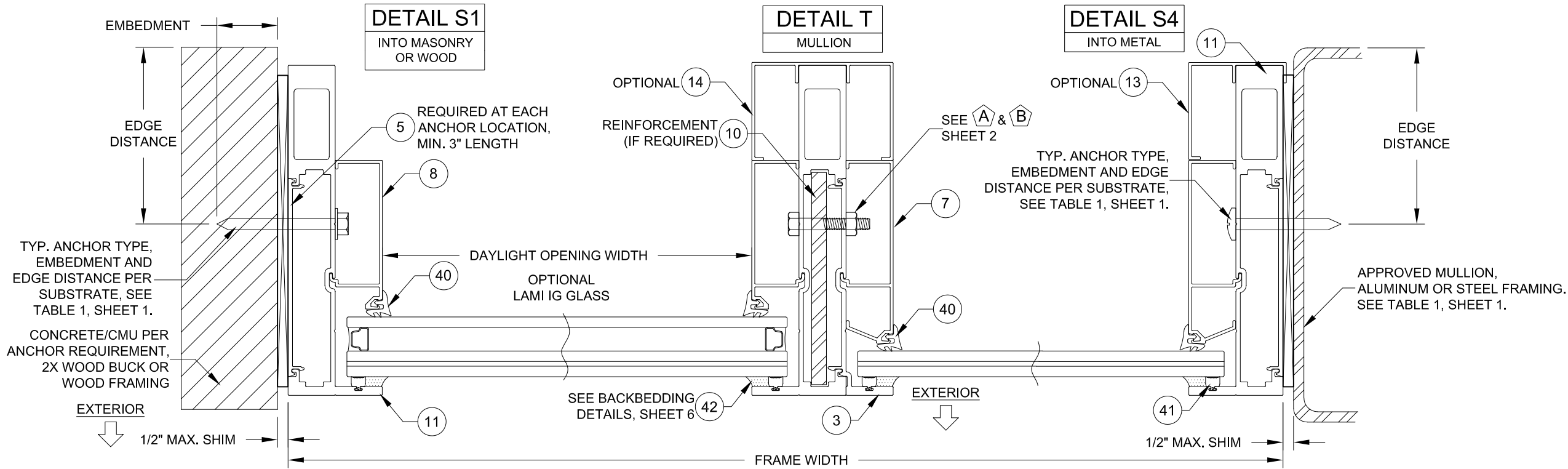
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INSTALLATION NOTES:

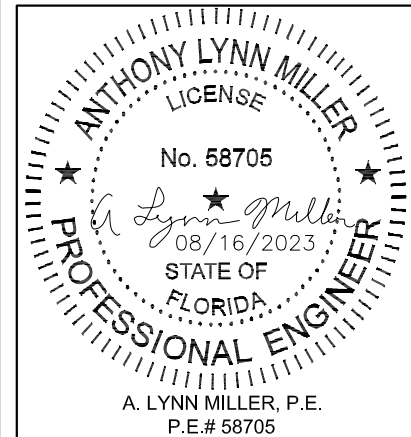
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2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD. MAXIMUM SHIM THICKNESS TO BE AS REQUIRED BY TABLES 3-8.

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STOREFRONT WINDOW SYSTEM DETAILS - LM

7" HORIZ. CROSS SECTION

JENS ROSOWSKI

SS3520FPA-A

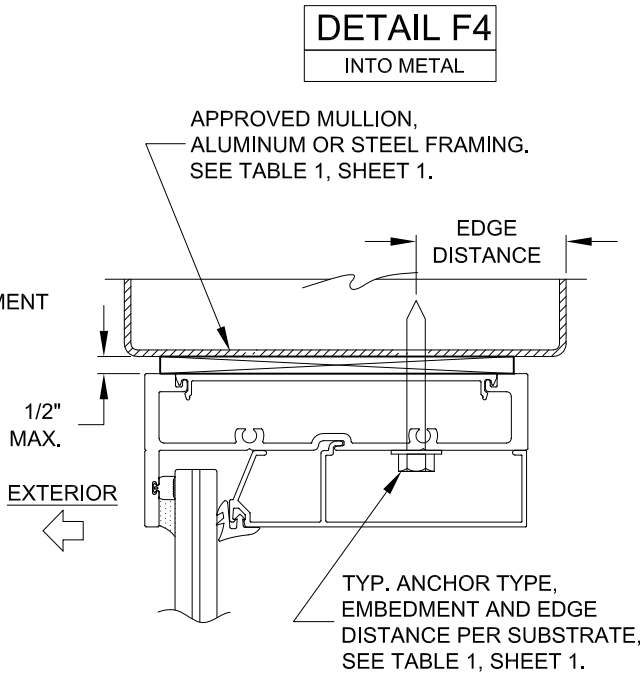
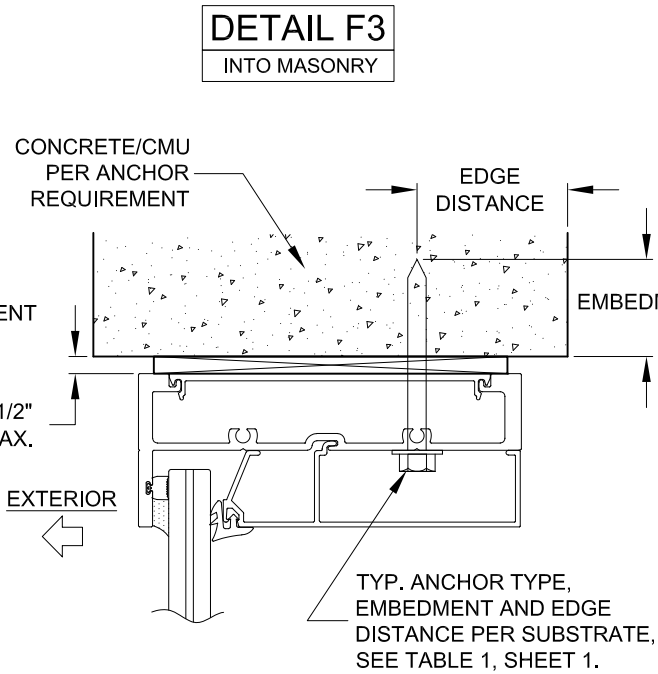
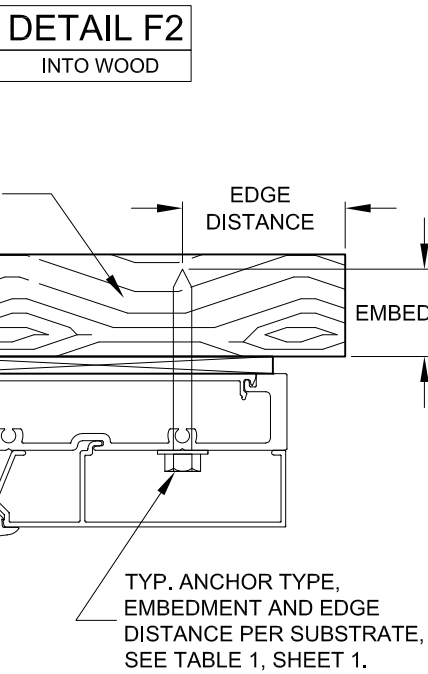
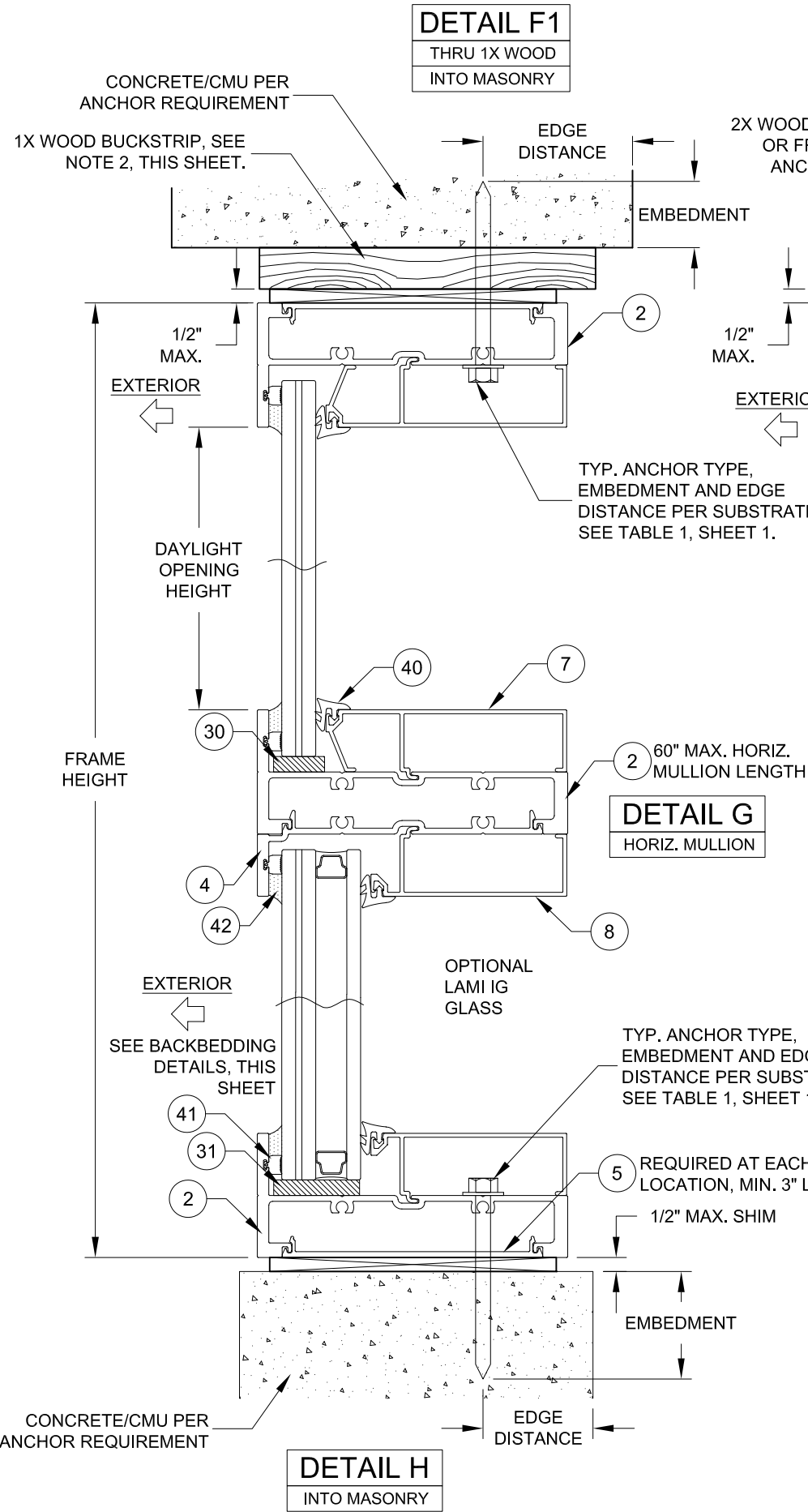
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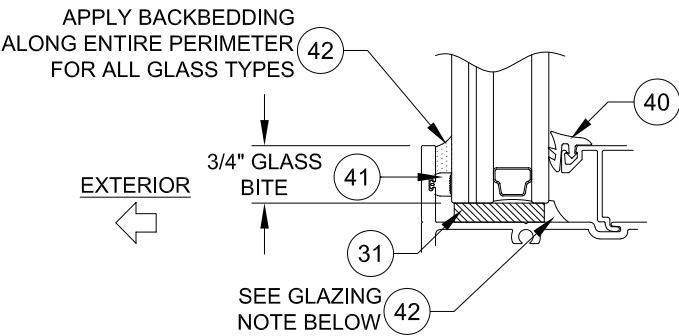
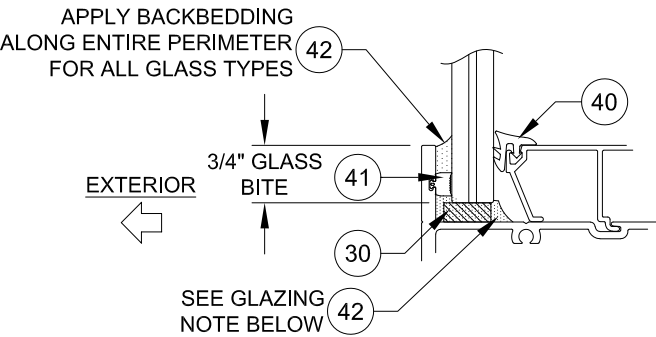
INSTALLATION NOTES:

- USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 1. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW. 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. MAXIMUM SHIM THICKNESS TO BE AS REQUIRED BY TABLES 3-8.

Glass Types	
1	9/16" Lami.: 1/4" HS, .090" PVB, 1/4" HS
2	9/16" Lami.: 1/4" HS, .090" SG, 1/4" HS
3	1-1/4" Lami. IG: 1/4" HS, .090" PVB, 1/4" HS, 7/16" Airspace, 1/4" Temp.
4	1-1/4" Lami. IG: 1/4" HS, .090" SG, 1/4" HS, 7/16" Airspace, 1/4" Temp.

- PVB & SG INTERLAYERS BY KURARAY AMERICA, INC.
- GLAZING FOR ALL GLASS TYPES MEETS ASTM E1300 FOR ALL APPROVED SIZES.

GLAZING DETAILS



GLAZING NOTE:
FOR GLASS TYPES 1 & 3:
APPLY BACKBEDDING ALONG ENTIRE PERIMETER
FOR GLASS TYPES 2, 4, 5 & 6:
APPLY BACKBEDDING ALONG 20" FROM EACH CORNER

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No. 58705
08/16/2023
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

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STOREFRONT WINDOW SYSTEM DETAILS - LM

VERTICAL CROSS SECTION

JENS ROSOWSKI

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Date

01/02/18

Rev. Description

SS3520FPA-A

No.

6 OF 16

Sheet

NTS

Scale

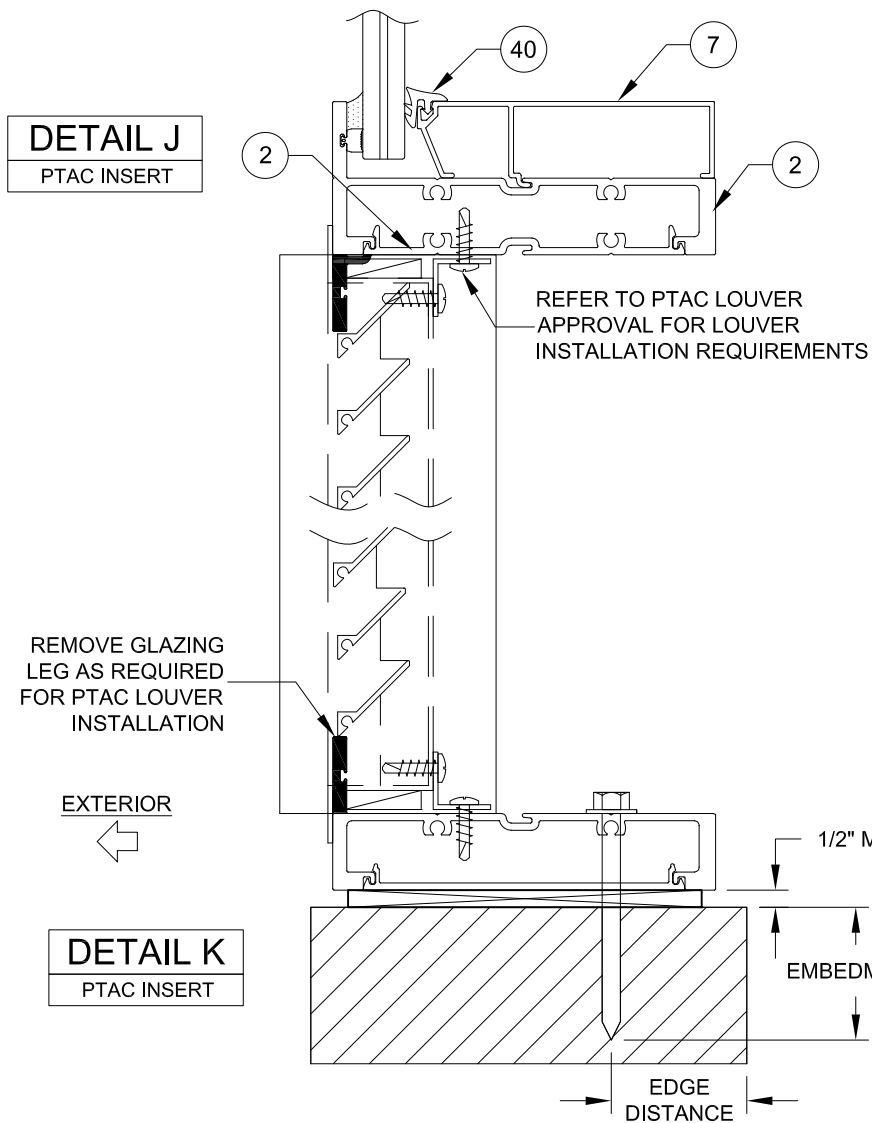
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Series Desc. Title

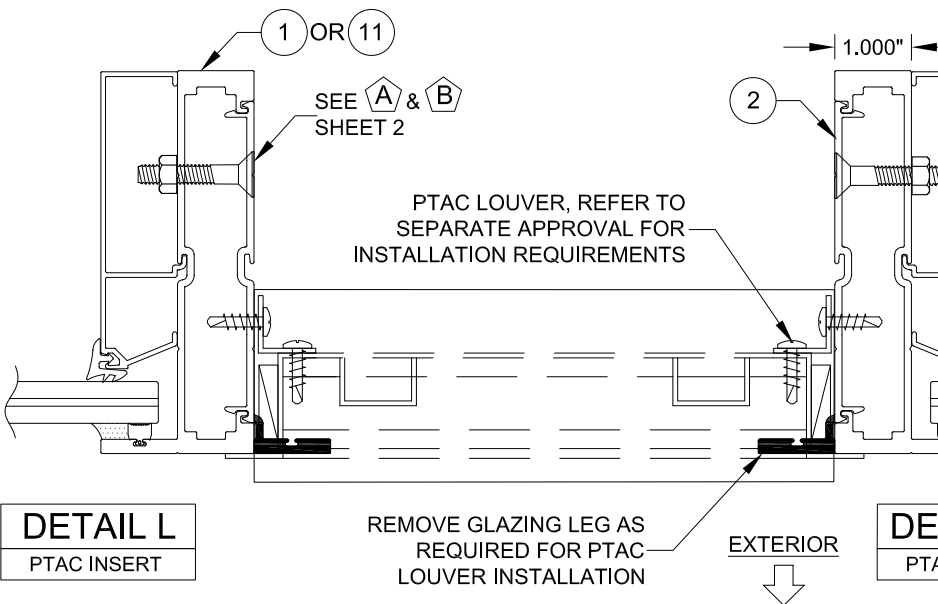
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DETAIL J
PTAC INSERT



DETAIL K
PTAC INSERT



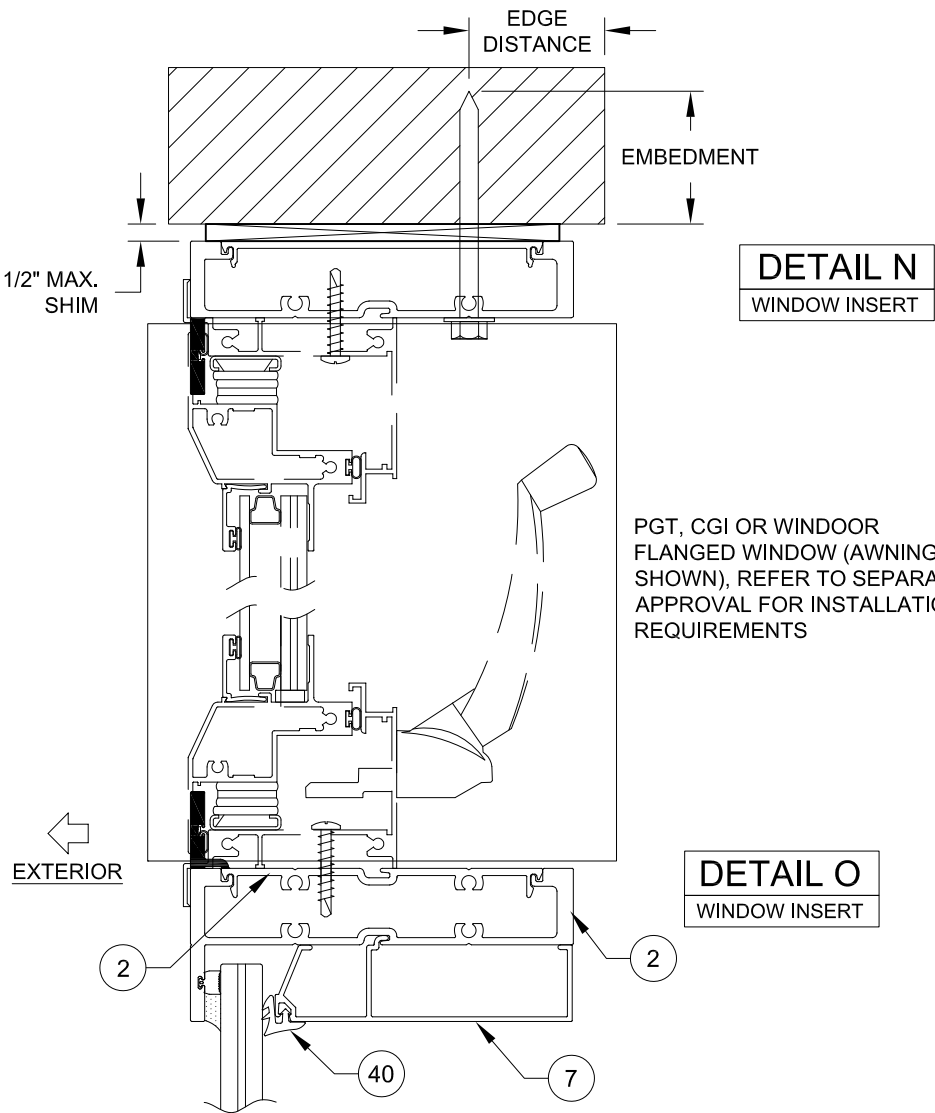
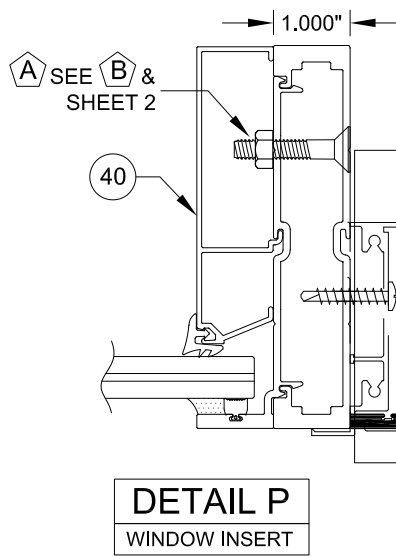
DETAIL M
PTAC INSERT

PTAC LOUVER & WINDOW INSERT NOTES:

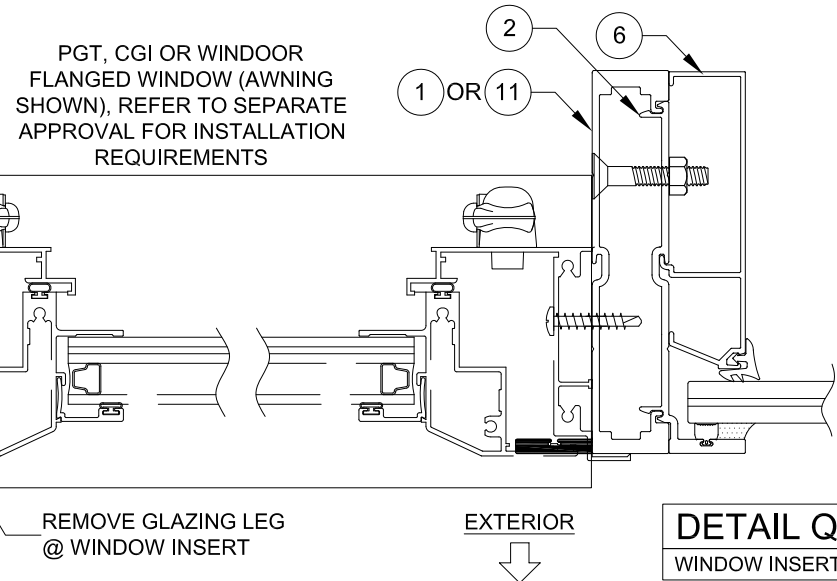
1. REFER TO SEPARATE WINDOW APPROVAL FOR ALL WINDOW INSERT REQUIREMENTS AND INSTALLATION.
2. AWNING WINDOW INSERT SHOWN BUT MAY BE ANY APPROVED PGT, CGI OR WINDOOR WINDOW WITH A FLANGED FRAME.
3. REFER TO PTAC LOUVER APPROVAL FOR ALL PTAC LOUVER REQUIREMENTS AND INSTALLATION.
4. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.

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2. 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. MAXIMUM SHIM THICKNESS TO BE AS REQUIRED BY TABLES 3-8, SHEETS 5-10.



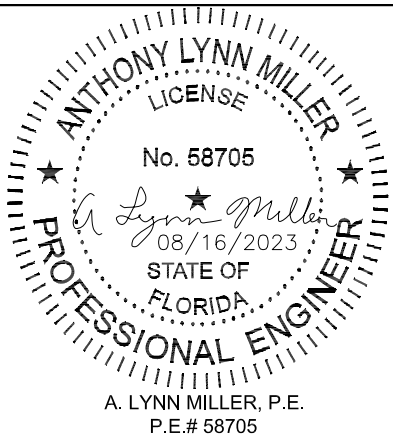
DETAIL O
WINDOW INSERT



DETAIL Q
WINDOW INSERT



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STOREFRONT WINDOW SYSTEM DETAILS - LM

JENS ROSOWSKI

INSERT DETAILS
SS-3520 NTS

Date 03/23/16

By SS3520FPA-A

No. 7 OF 16

Scale SS-3520

Series

Desc.

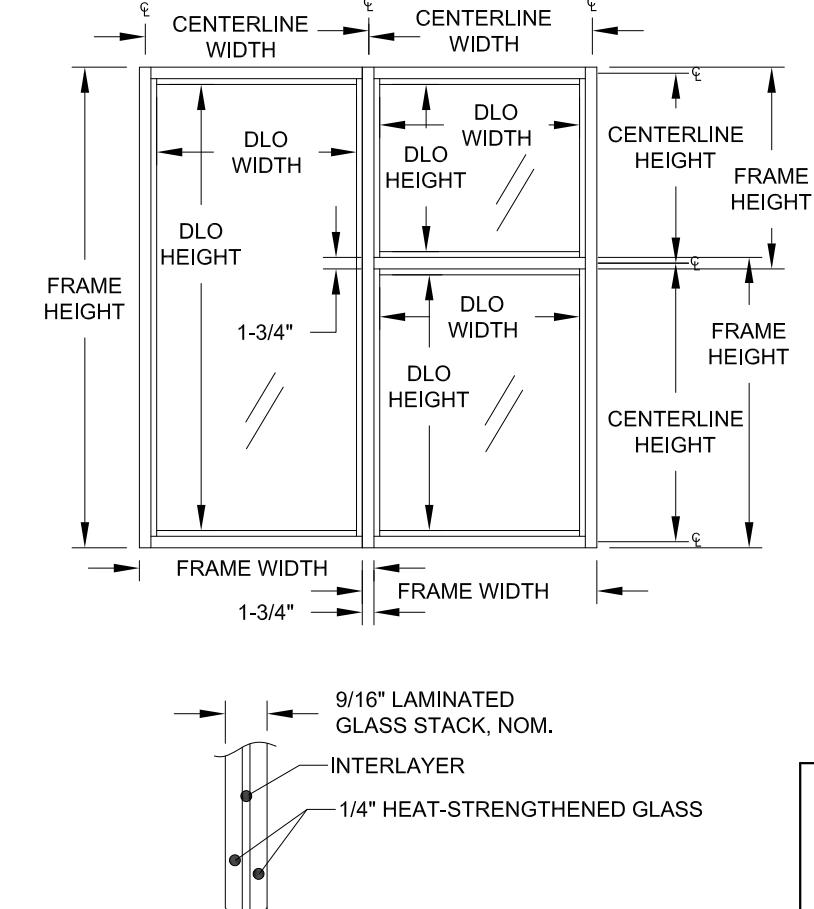
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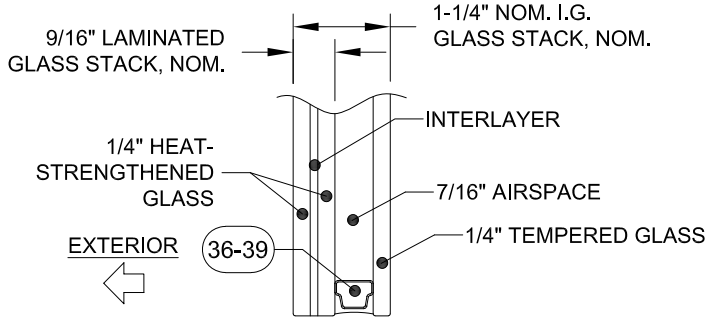
TABLE 2:

Max. DP due to Glass Limitations, psf					Max. DP due to Glass Limitations, psf					Max. DP due to Glass Limitations, psf				
Centerline Width	Frame Height	Glass Types 1 & 3	Glass Types 2 & 4	Glass Types 5 & 6	Centerline Width	Frame Height	Glass Types 1 & 3	Glass Types 2 & 4	Glass Types 5 & 6	Centerline Width	Frame Height	Glass Types 1 & 3	Glass Types 2 & 4	Glass Types 5 & 6
24"	48"	+70/-80	+90/-120	+90/-100	24"	78"	+70/-80	+90/-120	+90/-100	24"	108"	+70/-80	+90/-120	+90/-100
30"		+70/-80	+90/-120	+90/-100	30"		+70/-80	+90/-120	+90/-100	30"		+70/-80	+90/-120	+90/-100
36"		+70/-80	+90/-120	+90/-100	36"		+70/-80	+90/-120	+90/-100	36"		+70/-80	+90/-120	+90/-100
42"		+70/-80	+90/-120	+90/-100	42"		+70/-80	+90/-120	+90/-100	42"		+70/-80	+90/-120	+60/-75
48"		+70/-80	+90/-120	+90/-100	48"		+70/-80	+90/-120	+89.6/-99.6	48"			+90/-120	+60/-75
54"		+70/-80	+90/-120	+90/-100	54"		+70/-80	+90/-120	+60/-75	54"			+90/-100	+60/-75
60"		+70/-80	+90/-120	+90/-100	60"		+68.6/-78.5	+90/-120	+60/-75	60"			+90/-100	+60/-74.7
70"		+70/-80	+90/-120	+90/-100	70"			+90/-119.4	+60/-75	70"			+70/-70	+60/-68.4
72"		+70/-80	+90/-120	+90/-100	72"			+90/-118.9	+60/-75	72"			+69.3/-69.3	+60/-67.4
84"		+70/-80	+90/-120	+60/-75	84"			+90/-100	+60/-75	24"	114"	+70/-80	+90/-120	+90/-100
90"		+70/-80	+90/-120	+60/-75	90"			+90/-100	+60/-75	30"		+70/-80	+90/-120	+90/-100
92"		+70/-80	+90/-120	+60/-75	92"			+90/-100	+60/-75	36"		+70/-80	+90/-120	+60/-75
96"		+70/-80	+90/-120	+60/-75	96"			+70/-70	+60/-75	42"			+90/-120	+60/-75
102"			+90/-120	+60/-75	102"			+69/-69	+60/-75	48"			+90/-120	+60/-75
108"			+90/-120	+60/-75	108"			+66.8/-66.8	+60/-75	54"			+90/-100	+60/-75
120"			+90/-120	+60/-75	24"	84"	+70/-80	+90/-120	+90/-100	60"			+90/-100	+60/-73.2
132"			+90/-100	+60/-75	30"		+70/-80	+90/-120	+90/-100	70"			+68.6/-68.6	+60/-66.7
144"			+90/-100	+60/-75	36"		+70/-80	+90/-120	+90/-100	72"			+67.5/-67.5	+60/-65.7
168"			+60/-60.7		42"		+70/-80	+90/-120	+90/-100	24"	120"	+70/-80	+90/-120	+90/-100
180"			+60/-60		48"		+70/-80	+90/-120	+60/-75	30"		+70/-80	+90/-120	+90/-100
24"	60"	+70/-80	+90/-120	+90/-100	54"		+69.2/-79.1	+90/-120	+60/-75	36"		+70/-80	+90/-120	+60/-75
30"		+70/-80	+90/-120	+90/-100	60"	90"		+90/-119.5	+60/-75	42"			+90/-120	+60/-75
36"		+70/-80	+90/-120	+90/-100	70"			+90/-100	+60/-75	48"			+90/-120	+60/-75
42"		+70/-80	+90/-120	+90/-100	72"			+90/-100	+60/-75	54"			+90/-100	+60/-75
48"		+70/-80	+90/-120	+90/-100	84"			+90/-100	+60/-75	60"			+90/-100	+60/-71.9
54"		+70/-80	+90/-120	+90/-100	90"			+70/-70	+60/-75	70"			+67.1/-67.1	+60/-65.3
60"		+70/-80	+90/-120	+90/-100	92"	97-3/4"		+70/-70	+60/-75	72"	126"		+66/-66	
70"		+70/-80	+90/-120	+60/-75	96"			+70/-70	+60/-75	24"		+70/-80	+90/-120	+90/-100
72"		+70/-80	+90/-120	+60/-75	102"			+67.3/-67.3		30"		+70/-80	+90/-120	+90/-100
84"			+90/-119.5	+60/-75	24"	102"	+70/-80	+90/-120	+90/-100	36"		+70/-80	+90/-120	+60/-75
90"			+90/-115.2	+60/-75	30"		+70/-80	+90/-120	+90/-100	42"	132"		+90/-120	+60/-75
92"			+90/-114	+60/-75	36"		+70/-80	+90/-120	+90/-100	48"			+90/-100	+60/-75
96"			+90/-111.7	+60/-75	42"		+70/-80	+90/-120	+90/-100	54"			+90/-100	+60/-75
102"			+90/-100	+60/-75	48"		+70/-80	+90/-120	+60/-75	60"			+70/-70	+60/-70.8
108"	72"		+90/-100	+60/-75	54"	99"		+90/-120	+60/-75	24"	138"	+70/-80	+90/-120	+90/-100
120"			+90/-100	+60/-75	60"			+90/-115.2	+60/-75	30"		+70/-80	+90/-120	+60/-75
132"			+70/-70	+60/-75	70"			+90/-100	+60/-75	36"			+90/-120	+60/-75
144"			+70/-70		72"			+90/-100	+60/-74.9	42"			+90/-120	+60/-75
24"		+70/-80	+90/-120	+90/-100	84"			+70/-70	+60/-74.2	48"			+90/-100	+60/-75
30"		+70/-80	+90/-120	+90/-100	90"	97-3/4"		+70/-70	+60/-72.2	54"			+90/-100	+60/-75
36"		+70/-80	+90/-120	+90/-100	92"			+70/-70	+60/-71.9	60"	144"		+70/-70	+60/-69.8
42"		+70/-80	+90/-120	+90/-100	96"			+69.6/-69.6	+60/-71.9	24"		+70/-80	+90/-120	+90/-100
48"		+70/-80	+90/-120	+90/-100	24"	102"	+70/-80	+90/-120	+90/-100	30"		+70/-80	+90/-120	+60/-75
54"		+70/-80	+90/-120	+60/-75	30"		+70/-80	+90/-120	+90/-100	36"			+90/-120	+60/-75
60"		+70/-80	+90/-120	+60/-75	36"		+70/-80	+90/-120	+90/-100	42"			+90/-100	+60/-75
70"			+90/-120	+60/-75	42"		+70/-80	+90/-120	+60/-75	48"	168"		+90/-100	+60/-75
72"			+90/-120	+60/-75	48"		+70/-80	+90/-120	+60/-75	54"			+65.6/-65.6	+60/-74.5
84"			+90/-100	+60/-75	54"			+90/-117.9	+60/-75	60"			+70/-70	+60/-68.9
90"			+90/-100	+60/-75	60"			+90/-100	+60/-75	24"	180"	+70/-80	+90/-120	+90/-100
92"			+90/-100	+60/-75	70"			+90/-100	+60/-75	30"			+90/-120	+60/-75
96"			+90/-100	+60/-75	72"			+89/-99	+60/-71.1	36"			+90/-120	+60/-75
102"			+70/-70	+60/-75	84"			+69.4/-69.4	+60/-67.5	42"			+90/-100	+60/-75
108"			+69.3/-69.3	+60/-75	24"	102"	+70/-80	+90/-120	+90/-100	48"			+90/-100	+60/-75
120"			+66/-66		30"		+70/-80	+90/-120	+90/-100	54"			+70/-70	+60/-73.7
					36"		+70/-80	+90/-120	+90/-100	60"			+70/-70	
					42"		+70/-80	+90/-120	+60/-75	24"			+60/-75	+60/-75
					48"			+90/-120	+60/-75	30"			+60/-75	+60/-75
					54"			+90/-116.1	+60/-75	36"			+60/-75	+60/-75
					60"			+90/-100	+60/-75	42"			+60/-67.9	+60/-75
					70"			+88.1/-97.9	+60/-70.4	48"			+60/-60.7	+60/-75
					72"			+70/-70	+60/-70.1	24"			+60/-75	+60/-75
					84"			+67.3/-67.3	+60/-69.4	30"			+60/-75	+60/-75
										36"			+60/-75	+60/-75
										42"			+60/-67.3	+60/-75
										48"			+60/-60	

1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (COMPATIBLE STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
2. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.



GLASS TYPE 1 (PVB INTERLAYER)
GLASS TYPE 2 (SG INTERLAYER)
GLASS TYPE 5 (PVB PLUS INTERLAYER)



GLASS TYPE 3 (PVB INTERLAYER)
GLASS TYPE 4 (SG INTERLAYER)
GLASS TYPE 6 (PVB PLUS INTERLAYER)

DLO (DAYLIGHT OPENING) FORMULAS:

- FRAME WIDTH - 4" = DLO WIDTH
- FRAME HEIGHT - 4" = DLO HEIGHT
- CENTERLINE WIDTH - 3" = DLO WIDTH
- CENTERLINE HEIGHT - 3" = DLO HEIGHT
- CENTERLINE WIDTH - 1-1/2" = GLASS WIDTH
- CENTERLINE HEIGHT - 1-1/2" = GLASS HEIGHT
- FRAME WIDTH - 2-1/2" = GLASS WIDTH
- FRAME HEIGHT - 2-1/2" = GLASS HEIGHT

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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ANTHONY LYNN MILLER
LICENSE
No. 58705
08/16/2023
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

ADDED GLASS TYPES
5 & 6.
- JR - 8/16/23

Rev. Description
JENS ROSOWSKI
SS3520FPA-A
01/02/18

Date
SS-3520
NTS
8 OF 16

Sheet
TABLE 2 & GLASS TYPES
SS-3520

Series Desc. Title

TABLE 3:

Mullion Anchor Cluster DP at Head/Sill, (+/- psf)										Shim Thickness: 1/4"	
Average Centerline Width	Frame Height	Group "A" Anchor Quantity		Group "B" Anchor Quantity		Group "C" Anchor Quantity		Group "D" Anchor Quantity			
		4	6	4	6	4	6	4	6		
24"	48"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
30"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
70"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
90"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
92"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
102"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
120"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
168"		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0		
180"		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0		
24"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
30"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
70"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
90"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
92"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
102"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
108"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
24"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
30"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
54"		120.0	120.0	118.5	120.0	120.0	120.0	120.0	120.0		
60"		120.0	120.0	114.3	120.0	120.0	120.0	120.0	120.0		
70"		120.0	120.0	111.2	120.0	120.0	120.0	120.0	120.0		
72"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
84"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
90"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
92"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
96"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
102"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
108"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
120"	78"	120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
24"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
30"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
48"		120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0		
54"		120.0	120.0	104.6	120.0	120.0	120.0	120.0	120.0		
60"		118.1	120.0	100.0	120.0	120.0	120.0	120.0	120.0		
70"		113.0	120.0	95.7	120.0	120.0	120.0	120.0	120.0		
72"		112.5	120.0	95.2	120.0	120.0	120.0	120.0	120.0		
84"		111.8	120.0	94.7	120.0	120.0	120.0	120.0	120.0		
90"		111.8	120.0	94.7	120.0	120.0	120.0	120.0	120.0		
92"		111.8	120.0	94.7	120.0	120.0	120.0	120.0	120.0		
96"		111.8	120.0	94.7	120.0	120.0	120.0	120.0	120.0		
102"		111.8	120.0	94.7	120.0	120.0	120.0	120.0	120.0		
108"		111.8	120.0	94.7	120.0	120.0	120.0	120.0	120.0		

Mullion Anchor Cluster DP at Head/Sill, (+/- psf)										Shim Thickness: 1/4"			
Average Centerline Width	Frame Height	Group "A" Anchor Quantity			Group "B" Anchor Quantity			Group "C" Anchor Quantity			Group "D" Anchor Quantity		
		4	6	8	4	6	8	4	6	8	4	6	
24"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
30"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42"		120.0	120.0	120.0	108.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"		118.1	120.0	120.0	100.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
54"		110.5	120.0	120.0	93.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
60"		105.0	120.0	120.0	88.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
70"		99.2	120.0	120.0	84.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
72"		98.4	120.0	120.0	83.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
84"		96.4	120.0	120.0	81.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
90"		96.4	120.0	120.0	81.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
92"		96.4	120.0	120.0	81.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
96"	96.4	120.0	120.0	81.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
102"	96.4	120.0	120.0	81.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
24"	90"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
30"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
36"		120.0	120.0	120.0	111.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42"		117.4	120.0	120.0	99.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"		107.4	120.0	120.0	90.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
54"		100.0	120.0	120.0	84.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
60"		94.5	120.0	120.0	80.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
70"		88.4	120.0	120.0	74.8	112.2	120.0	112.2	120.0	120.0	120.0	120.0	
72"		87.5	120.0	120.0	74.1	111.1	120.0	111.1	120.0	120.0	120.0	120.0	
84"		84.4	120.0	120.0	71.4	107.1	120.0	107.1	120.0	120.0	120.0	120.0	
90"		84.0	120.0	120.0	71.1	106.7	120.0	106.7	120.0	120.0	120.0	120.0	
92"		84.0	120.0	120.0	71.1	106.7	120.0	106.7	120.0	120.0	120.0	120.0	
96"	84.0	120.0	120.0	71.1	106.7	120.0	106.7	120.0	120.0	120.0	120.0		
24"	97-3/4"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
30"		120.0	120.0	120.0	116.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
36"		118.5	120.0	120.0	100.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42"		105.5	120.0	120.0	89.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"		96.1	120.0	120.0	81.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
54"		89.0	120.0	120.0	75.4	113.1	120.0	113.1	120.0	120.0	120.0	120.0	
60"		83.7	120.0	120.0	70.8	106.3	120.0	106.3	120.0	120.0	120.0	120.0	
70"		77.4	116.2	120.0	65.6	98.3	120.0	98.3	120.0	120.0	120.0	120.0	
72"		76.5	114.8	120.0	64.8	97.2	120.0	97.2	120.0	120.0	120.0	120.0	
84"		72.6	109.0	120.0	61.5	92.2	120.0	92.2	120.0	120.0	120.0	120.0	
24"		102"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"			120.0	120.0	120.0	110.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	112.5		120.0	120.0	95.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42"	100.0		120.0	120.0	84.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"	90.9		120.0	120.0	76.9	115.4	120.0	115.4	120.0	120.0	120.0	120.0	
54"	84.0		120.0	120.0	71.1	106.7	120.0	106.7	120.0	120.0	120.0	120.0	
60"	78.7		118.1	120.0	66.7	100.0	120.0	100.0	120.0	120.0	120.0	120.0	
70"	72.5		108.8	120.0	61.4	92.1	120.0	92.1	120.0	120.0	120.0	120.0	
72"	71.6		107.4	120.0	60.6	90.9	120.0	90.9	120.0	120.0	120.0	120.0	
84"	67.5		101.2	120.0	57.1	85.7	114.3	85.7	120.0	120.0	120.0	120.0	
24"	108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"			120.0	120.0	120.0	103.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		105.0	120.0	120.0	88.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42"		93.1	120.0	120.0	78.8	118.2	120.0	118.2	120.0	120.0	120.0	120.0	
48"		84.4	120.0	120.0	71.4	107.1	120.0	107.1	120.0	120.0	120.0	120.0	
54"		77.8	116.7	120.0	65.8	98.8	120.0	98.8	120.0	120.0	120.0	120.0	
60"		72.7	109.0	120.0	61.5	92.3	120.0	92.3	120.0	120.0	120.0	120.0	
70"		66.6	99.9	120.0	56.4	84.5	112.7	84.5	120.0	120.0	120.0	120.0	
72"		65.6	98.4	120.0	55.6	83.3	111.1	83.3	120.0	120.0	120.0	120.0	
24"		114"	120.0	120.0	120.0	117.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"			114.5	120.0	120.0	97.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"			98.4	120.0	120.0	83.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"	87.1		120.0	120.0	73.7	110.6	120.0	110.6	120.0	120.0	120.0	120.0	
48"	78.7		118.1	120.0	66.7	100.0	120.0	100.0	120.0	120.0	120.0	120.0	
54"	72.4		108.6	120.0	61.3	92.0	120.0	92.0	120.0	120.0	120.0	120.0	
60"	67.5		101.2	120.0	57.1	85.7	114.3	85.7	120.0	120.0	120.0	120.0	
70"	61.5		92.3	120.0	52.1	78.1	104.2	78.1	117.2	120.0	120.0	120.0	
72"	60.6		90.9	120.0	51.3	76.9	102.6	76.9	115.4	120.0	120.0	120.0	

TABLE 5:

Jamb Anchor Spacing						Shim Thickness = 1/4"				
Nominal Dim.		Installed with	Installed with	Installed with	Installed with					
Centerline Width	Frame Height	Group "A" Anchors	Group "B" Anchors	Group "C" Anchors	Group "D" Anchors					
24"	48"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	18"	18"	18"					
54"		18"	18"	18"	18"					
60"		18"	18"	18"	18"					
70"		18"	18"	18"	18"					
72"		18"	18"	18"	18"					
84"		18"	18"	18"	18"					
90"		18"	18"	18"	18"					
92"		18"	18"	18"	18"					
96"		18"	18"	18"	18"					
102"		18"	18"	18"	18"					
108"		18"	18"	18"	18"					
120"		18"	18"	18"	18"					
132"		18"	18"	18"	18"					
144"		18"	18"	18"	18"					
168"		18"	18"	18"	18"					
180"		18"	18"	18"	18"					
24"	60"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	18"	18"	18"					
54"		18"	18"	18"	18"					
60"		18"	18"	18"	18"					
70"		18"	18"	18"	18"					
72"		18"	18"	18"	18"					
84"		18"	18"	18"	18"					
90"		18"	18"	18"	18"					
92"		18"	18"	18"	18"					
96"		18"	18"	18"	18"					
102"		18"	18"	18"	18"					
108"		18"	18"	18"	18"					
120"		18"	18"	18"	18"					
132"		18"	18"	18"	18"					
144"		18"	18"	18"	18"					
24"	72"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	18"	18"	18"					
54"		18"	15"	18"	18"					
60"		18"	15"	18"	18"					
70"		18"	15"	18"	18"					
72"		18"	15"	18"	18"					
84"		18"	15"	18"	18"					
90"		18"	15"	18"	18"					
92"		18"	15"	18"	18"					
96"		18"	15"	18"	18"					
102"		18"	15"	18"	18"					
108"		18"	15"	18"	18"					
120"		18"	15"	18"	18"					

Jamb Anchor Spacing						Shim Thickness = 1/4"				
Nominal Dim.		Installed with	Installed with	Installed with	Installed with					
Centerline Width	Frame Height	Group "A" Anchors	Group "B" Anchors	Group "C" Anchors	Group "D" Anchors					
24"	78"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	16-1/2"	18"	18"					
54"		18"	16-1/2"	18"	18"					
60"		16-1/2"	16-1/2"	18"	18"					
70"		16-1/2"	13-3/16"	18"	18"					
72"		16-1/2"	13-3/16"	18"	18"					
84"		16-1/2"	13-3/16"	18"	18"					
90"		16-1/2"	13-3/16"	18"	18"					
92"		16-1/2"	13-3/16"	18"	18"					
96"		16-1/2"	13-3/16"	18"	18"					
102"		16-1/2"	13-3/16"	18"	18"					
108"		16-1/2"	13-3/16"	18"	18"					
24"	84"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	18"	18"	18"					
54"		18"	14-3/8"	18"	18"					
60"		18"	14-3/8"	18"	18"					
70"		18"	14-3/8"	18"	18"					
72"		18"	14-3/8"	18"	18"					
84"		18"	14-3/8"	18"	18"					
90"		18"	14-3/8"	18"	18"					
92"		18"	14-3/8"	18"	18"					
96"		18"	14-3/8"	18"	18"					
102"		18"	14-3/8"	18"	18"					
24"	90"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	18"	18"	18"					
54"		18"	15-5/8"	18"	18"					
60"		15-5/8"	15-5/8"	18"	18"					
70"		15-5/8"	13"	18"	18"					
72"		15-5/8"	13"	18"	18"					
84"		15-5/8"	13"	18"	18"					
90"		15-5/8"	13"	18"	18"					
92"		15-5/8"	13"	18"	18"					
96"		15-5/8"	13"	18"	18"					
24"	97-3/4"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	17-1/8"	18"	18"					
54"		17-1/8"	14-5/16"	18"	18"					
60"		17-1/8"	14-5/16"	18"	18"					
70"		14-5/16"	12-1/4"	18"	18"					
72"		14-5/16"	12-1/4"	18"	18"					
84"		14-5/16"	12-1/4"	17-1/8"	18"					
24"	102"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	15"	18"	18"					
54"		18"	15"	18"	18"					
60"		15"	12-7/8"	18"	18"					
70"		15"	12-7/8"	18"	18"					
72"		15"	12-7/8"	18"	18"					
84"		12-7/8"	11-1/4"	18"	18"					

Jamb Anchor Spacing			Shim Thickness = 1/4"			
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	
Centerline Width	Frame Height					
24"	108"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	16"	18"	18"	
48"		18"	16"	18"	18"	
54"		16"	13-11/16"	18"	18"	
60"		16"	13-11/16"	18"	18"	
70"		13-11/16"	12"	18"	18"	
72"		13-11/16"	12"	18"	18"	
24"	114"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	17"	18"	18"	
48"		17"	14-9/16"	18"	18"	
54"		17"	14-9/16"	18"	18"	
60"		14-9/16"	12-3/4"	18"	18"	
70"		14-9/16"	11-5/16"	17"	18"	
72"		14-9/16"	11-5/16"	17"	18"	
24"	120"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	18"	18"	18"	
48"		18"	15-7/16"	18"	18"	
54"		15-7/16"	13-1/2"	18"	18"	
60"		15-7/16"	13-1/2"	18"	18"	
70"		13-1/2"	12"	18"	18"	
72"		13-1/2"	10-13/16"	18"	18"	
24"	126"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	16-5/16"	18"	18"	
48"		18"	14-1/4"	18"	18"	
54"		16-5/16"	14-1/4"	18"	18"	
60"		12-11/16"	18"	18"		
24"	132"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	17-1/8"	18"	18"	
48"		17-1/8"	15"	18"	18"	
54"		15"	13-5/16"	18"	18"	
60"		15"	12"	18"	18"	
24"	138"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	15-3/4"	18"	18"	
48"		18"	14"	18"	18"	
54"		15-3/4"	14"	18"	18"	
60"		14"	12-5/8"	18"	18"	
24"	144"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	16-1/2"	18"	18"	
48"		16-1/2"	14-11/16"	18"	18"	
54"		16-1/2"	13-3/16"	18"	18"	
60"		14-11/16"	12"	18"	18"	
24"	168"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	18"	18"	18"	
24"	180"	18"	18"	18"	18"	
30"		18"	18"	18"	18"	
36"		18"	18"	18"	18"	
42"		18"	18"	18"	18"	
48"		18"	18"	18"	18"	

TABLE 6:

Jamb Anchor Spacing						Shim Thickness = 1/2"				
Nominal Dim.		Installed with	Installed with	Installed with	Installed with					
Centerline Width	Frame Height	Group "A" Anchors	Group "B" Anchors	Group "C" Anchors	Group "D" Anchors					
24"	48"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		18"	18"	18"	18"					
54"		18"	18"	18"	18"					
60"		18"	18"	18"	18"					
70"		18"	18"	18"	18"					
72"		18"	18"	18"	18"					
84"		18"	18"	18"	18"					
90"		18"	18"	18"	18"					
92"		18"	18"	18"	18"					
96"		18"	18"	18"	18"					
102"		18"	18"	18"	18"					
108"		18"	18"	18"	18"					
120"		18"	18"	18"	18"					
132"		18"	18"	18"	18"					
144"		18"	18"	18"	18"					
168"	60"	18"	18"	18"	18"					
180"		18"	18"	18"	18"					
24"		18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		16"	18"	18"	18"					
48"		16"	18"	18"	18"					
54"		16"	18"	18"	18"					
60"		16"	18"	18"	18"					
70"		16"	18"	18"	18"					
72"		16"	18"	18"	18"					
84"		16"	18"	18"	18"					
90"		16"	18"	18"	18"					
92"		16"	18"	18"	18"					
96"		16"	18"	18"	18"					
102"		16"	18"	18"	18"					
108"		16"	18"	18"	18"					
120"		16"	18"	18"	18"					
132"	72"	16"	18"	18"	18"					
144"		16"	18"	18"	18"					
24"		18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		15"	18"	18"	18"					
48"		15"	18"	18"	18"					
54"		15"	15"	18"	18"					
60"		15"	15"	18"	18"					
70"		15"	15"	18"	18"					
72"		15"	15"	18"	18"					
84"		15"	15"	18"	18"					
90"		15"	15"	18"	18"					
92"		15"	15"	18"	18"					
96"		15"	15"	18"	18"					
102"		15"	15"	18"	18"					
108"		15"	15"	18"	18"					
120"		15"	15"	18"	18"					

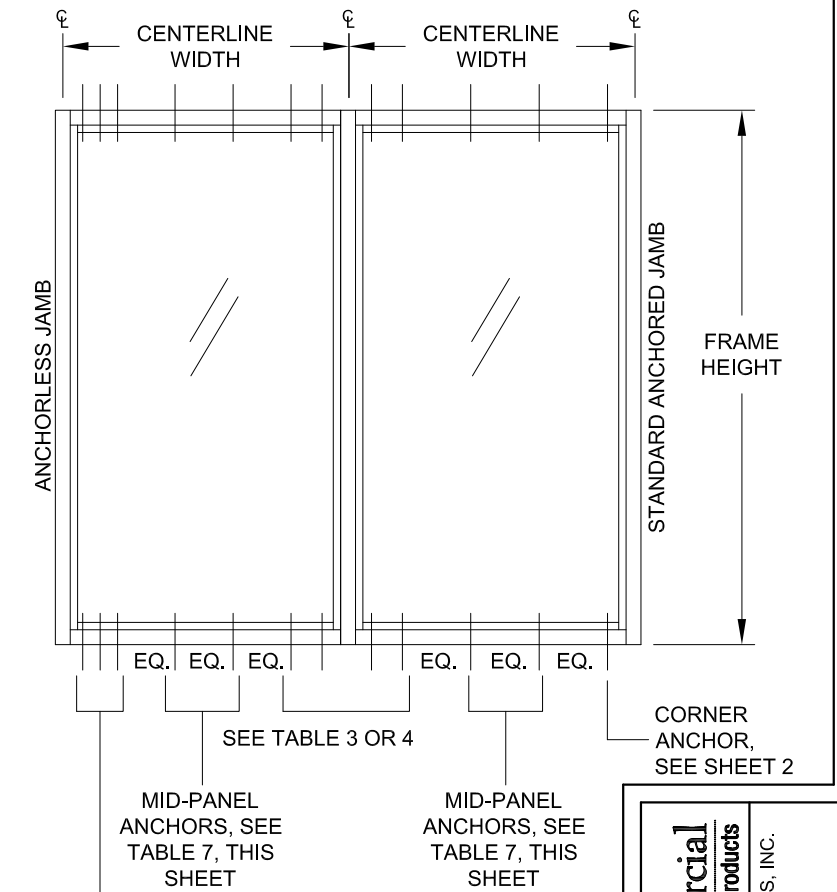
Jamb Anchor Spacing						Shim Thickness = 1/2"				
Nominal Dim.		Installed with	Installed with	Installed with	Installed with					
Centerline Width	Frame Height	Group "A" Anchors	Group "B" Anchors	Group "C" Anchors	Group "D" Anchors					
24"	78"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		16-1/2"	18"	18"	18"					
42"		16-1/2"	18"	18"	18"					
48"		16-1/2"	16-1/2"	18"	18"					
54"		13-3/16"	16-1/2"	18"	18"					
60"		13-3/16"	16-1/2"	18"	18"					
70"		13-3/16"	13-3/16"	18"	18"					
72"		13-3/16"	13-3/16"	18"	18"					
84"		13-3/16"	13-3/16"	18"	18"					
90"		13-3/16"	13-3/16"	18"	18"					
92"		13-3/16"	13-3/16"	18"	18"					
96"		13-3/16"	13-3/16"	18"	18"					
102"		13-3/16"	13-3/16"	18"	18"					
108"		13-3/16"	13-3/16"	18"	18"					
24"	84"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		14-3/8"	18"	18"	18"					
54"		14-3/8"	14-3/8"	18"	18"					
60"		12"	14-3/8"	18"	18"					
70"		12"	14-3/8"	18"	18"					
72"		12"	14-3/8"	18"	18"					
84"		12"	14-3/8"	18"	18"					
90"		12"	14-3/8"	18"	18"					
92"		12"	14-3/8"	18"	18"					
96"		12"	14-3/8"	18"	18"					
102"		12"	14-3/8"	18"	18"					
24"	90"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		18"	18"	18"	18"					
48"		15-5/8"	18"	18"	18"					
54"		15-5/8"	15-5/8"	18"	18"					
60"		13"	15-5/8"	18"	18"					
70"		13"	15-5/8"	18"	18"					
72"		11-1/8"	13"	18"	18"					
84"		11-1/8"	13"	18"	18"					
90"		11-1/8"	13"	18"	18"					
92"		11-1/8"	13"	18"	18"					
96"		11-1/8"	13"	18"	18"					
24"	97.75"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		17-1/8"	18"	18"	18"					
42"		14-5/16"	17-1/8"	18"	18"					
48"		14-5/16"	17-1/8"	18"	18"					
54"		12-1/4"	14-5/16"	18"	18"					
60"		12-1/4"	14-5/16"	18"	18"					
70"		10-3/4"	12-1/4"	18"	18"					
72"		10-3/4"	12-1/4"	18"	18"					
84"		10-3/4"	12-1/4"	17-1/8"	18"					
24"	102"	18"	18"	18"	18"					
30"		18"	18"	18"	18"					
36"		18"	18"	18"	18"					
42"		15"	18"	18"	18"					
48"		12-7/8"	15"	18"	18"					
54"		12-7/8"	15"	18"	18"					
60"		11-1/4"	12-7/8"	18"	18"					
70"		11-1/4"	12-7/8"	18"	18"					
72"		11-1/4"	12-7/8"	18"	18"					
84"		10"	11-1/4"	18"	18"					

Jamb Anchor Spacing			Shim Thickness = 1/2"		
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors
Centerline Width	Frame Height				
24"	108"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		16"	18"	18"	18"
42"		16"	16"	18"	18"
48"		13-11/16"	16"	18"	18"
54"		12"	13-11/16"	18"	18"
60"		12"	13-11/16"	18"	18"
70"		10-11/16"	12"	18"	18"
72"		10-11/16"	12"	18"	18"
24"	114"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		17"	18"	18"	18"
42"		14-9/16"	17"	18"	18"
48"		12-3/4"	14-9/16"	18"	18"
54"		12-3/4"	14-9/16"	18"	18"
60"		11-5/16"	12-3/4"	18"	18"
70"		10-3/16"	11-5/16"	17"	18"
72"		10-3/16"	11-5/16"	17"	18"
24"	120"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		18"	18"	18"	18"
42"		15-7/16"	18"	18"	18"
48"		13-1/2"	15-7/16"	18"	18"
54"		12"	13-1/2"	18"	18"
60"		10-13/16"	13-1/2"	18"	18"
70"		9-13/16"	12"	18"	18"
72"		9-13/16"	10-13/16"	18"	18"
24"	126"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		16-5/16"	18"	18"	18"
42"		14-1/4"	16-5/16"	18"	18"
48"		12-11/16"	14-1/4"	18"	18"
54"		11-3/8"	14-1/4"	18"	18"
60"	11-3/8"	12-11/16"	18"	18"	
24"	132"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		17-1/8"	18"	18"	18"
42"		15"	17-1/8"	18"	18"
48"		13-5/16"	15"	18"	18"
54"		12"	13-5/16"	18"	18"
60"		10-15/16"	12"	18"	18"
24"	138"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		15-3/4"	18"	18"	18"
42"		14"	15-3/4"	18"	18"
48"		12-5/8"	14"	18"	18"
54"		11-7/16"	14"	18"	18"
60"		10-1/2"	12-5/8"	18"	18"
24"	144"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		16-1/2"	18"	18"	18"
42"		14-11/16"	16-1/2"	18"	18"
48"		13-3/16"	14-11/16"	18"	18"
54"		12"	13-3/16"	18"	18"
60"		11"	12"	18"	18"
24"	168"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		18"	18"	18"	18"
42"		18"	18"	18"	18"
24"	180"	18"	18"	18"	18"
30"		18"	18"	18"	18"
36"		18"	18"	18"	18"
42"		18"	18"	18"	18"
48"		18"	18"	18"	18"

Mid-Panel Anchor Quantity			Shim Thickness = 1/4"			
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	
Centerline Width	Frame Height					
24"	48"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	4	3	3	
72"		4	4	3	3	
84"		5	5	4	4	
90"		5	6	4	4	
92"		5	6	5	5	
96"		5	6	5	5	
102"		6	7	5	5	
108"		6	7	6	6	
120"		7	8	6	6	
132"		8	9	7	7	
144"		9	10	8	8	
168"	7	8	5	5		
180"	7	8	6	6		
24"	60"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	4	3	3	
72"		4	5	3	3	
84"		5	6	4	4	
90"		6	6	4	4	
92"		6	7	5	5	
96"		6	7	5	5	
102"		7	8	5	5	
108"		7	8	6	6	
120"		8	9	6	6	
132"		9	11	7	7	
144"		10	12	8	8	
24"	72"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	5	3	3	
72"		4	5	3	3	
84"		5	6	4	4	
90"		6	7	5	4	
92"		6	7	5	5	
96"		7	8	5	5	
102"		7	8	6	5	
108"		8	9	6	6	
120"		9	11	7	6	

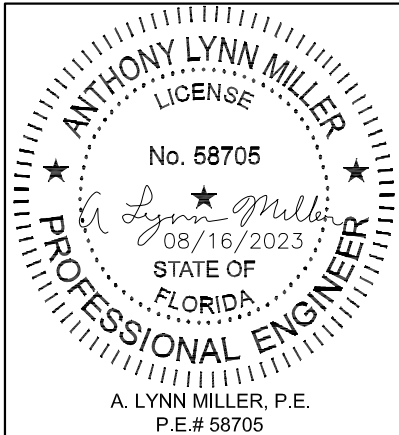
Mid-Panel Anchor Quantity			Shim Thickness = 1/4"		
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors
Centerline Width	Frame Height				
24"	78"	1	1	1	1
30"		1	1	1	1
36"		1	2	1	1
42"		2	2	1	1
48"		2	2	2	1
54"		3	3	2	2
60"		3	3	2	2
70"		4	5	3	3
72"		4	5	3	3
84"		5	6	4	4
90"		6	7	5	4
92"		6	7	5	5
96"		7	8	5	5
102"		7	9	6	5
108"	8	9	6	6	
24"	84"	1	1	1	1
30"		1	1	1	1
36"		1	2	1	1
42"		2	2	1	1
48"		2	2	2	1
54"		3	3	2	2
60"		3	3	2	2
70"		4	5	3	3
72"		4	5	3	3
84"		5	6	4	4
90"		6	7	5	4
92"		6	7	5	5
96"		7	8	6	5
102"		8	9	6	5
24"	90"	1	1	1	1
30"		1	1	1	1
36"		1	2	1	1
42"		2	2	1	1
48"		2	2	2	1
54"		3	3	2	2
60"		3	3	2	2
70"		4	5	3	3
72"		4	5	3	3
84"		5	6	4	4
90"		6	7	5	4
92"		6	8	5	5
96"		7	8	6	5
24"		97-3/4"	1	1	1
30"	1		1	1	1
36"	1		2	1	1
42"	2		2	1	1
48"	2		2	2	1
54"	3		3	2	2
60"	3		3	2	2
70"	4		5	3	3
72"	4		5	3	3
84"	5	6	4	4	
24"	102"	1	1	1	1
30"		1	1	1	1
36"		1	2	1	1
42"		2	2	1	1
48"		2	2	2	1
54"		3	3	2	2
60"		3	3	2	2
70"		4	5	3	3
72"		4	5	3	3
84"		5	6	4	4

Mid-Panel Anchor Quantity				Shim Thickness = 1/4"		
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	
Centerline Width	Frame Height					
24"	108"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	5	3	3	
72"	114"	4	5	3	3	
24"		1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"	4	5	3	3		
72"	4	5	3	3		
24"	120"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	5	3	3	
72"	4	5	3	3		
24"	126"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	5	3	3	
72"	4	5	3	3		
24"	132"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	5	3	3	
72"	138"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	5	3	3	
72"	144"	1	1	1	1	
30"		1	1	1	1	
36"		1	2	1	1	
42"		2	2	1	1	
48"		2	2	2	1	
54"		3	3	2	2	
60"		3	3	2	2	
70"		4	5	3	3	
72"	168"	1	1	1	1	
30"		1	1	1	1	
36"		1	1	1	1	
42"		1	1	1	1	
48"		2	1	1	1	
24"		180"	1	1	1	1
30"			1	1	1	1
36"			1	1	1	1
42"	1		1	1	1	
48"	2		1	1	1	
24"	180"		1	1	1	1
30"			1	1	1	1
36"			1	1	1	1
42"		1	1	1	1	
48"		2	1	1	1	



1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (COMPATIBLE STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
2. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.
3. MID-PANEL ANCHORS TO BE EQUALLY SPACED, +/- 1/2".

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	COPYRIGHT © 2023 CGI WINDOWS & DOORS, INC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING. CERT. OF AUTH. #29296



NO CHANGES THIS SHEET.

JENS ROSOWSKI

TABLE 7

STOREFRONT WINDOW SYSTEM DETAILS - LM

Rev.

01/02/18

SS3520FPA-A

16

Sheet

LN

SS-3520

series

TABLE 8:

Mid-Panel Anchor Quantity						Shim Thickness = 1/2"					
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors						
Centerline Width	Frame Height										
24"	48"	1	1	1	1						
30"		1	1	1	1						
36"		2	2	1	1						
42"		2	2	1	1						
48"		3	2	2	1						
54"		3	3	2	2						
60"		4	3	2	2						
70"		5	4	3	3						
72"		5	4	3	3						
84"		6	5	4	4						
90"		6	6	4	4						
92"		7	6	5	5						
96"		7	6	5	5						
102"		8	7	5	5						
108"		8	7	6	6						
120"		9	8	6	6						
132"		10	9	7	7						
144"		11	10	8	8						
168"		9	8	5	5						
180"		9	8	6	6						
24"	60"	1	1	1	1						
30"		1	1	1	1						
36"		2	2	1	1						
42"		2	2	1	1						
48"		3	2	2	1						
54"		3	3	2	2						
60"		4	3	2	2						
70"		5	4	3	3						
72"		5	5	3	3						
84"		7	6	4	4						
90"		7	6	4	4						
92"		8	7	5	5						
96"		8	7	5	5						
102"		9	8	5	5						
108"		9	8	6	6						
120"		11	9	6	6						
132"		12	11	7	7						
144"		13	12	8	8						
24"	72"	1	1	1	1						
30"		1	1	1	1						
36"		2	2	1	1						
42"		2	2	1	1						
48"		3	2	2	1						
54"		3	3	2	2						
60"		4	3	2	2						
70"		5	5	3	3						
72"		5	5	3	3						
84"		7	6	4	4						
90"		8	7	5	4						
92"		8	7	5	5						
96"		9	8	5	5						
102"		9	8	6	5						
108"		10	9	6	6						
120"		12	11	7	6						

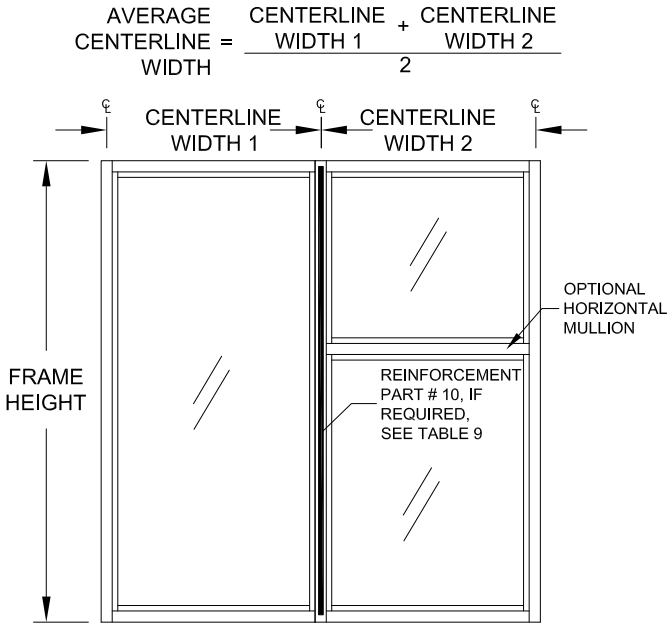
Mid-Panel Anchor Quantity				Shim Thickness = 1/2"		
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	
Centerline Width	Frame Height					
24"	78"	1	1	1	1	
30"		1	1	1	1	
36"		2	2	1	1	
42"		2	2	1	1	
48"		3	2	2	1	
54"		3	3	2	2	
60"		4	3	2	2	
70"		5	5	3	3	
72"		5	5	3	3	
84"		7	6	4	4	
90"		8	7	5	4	
92"		8	7	5	5	
96"		9	8	5	5	
102"		10	9	6	5	
108"	11	9	6	6		
24"	84"	1	1	1	1	
30"		1	1	1	1	
36"		2	2	1	1	
42"		2	2	1	1	
48"		3	2	2	1	
54"		3	3	2	2	
60"		4	3	2	2	
70"		5	5	3	3	
72"		5	5	3	3	
84"		7	6	4	4	
90"		8	7	5	4	
92"		8	7	5	5	
96"		9	8	6	5	
102"		10	9	6	5	
24"	90"	1	1	1	1	
30"		1	1	1	1	
36"		2	2	1	1	
42"		2	2	1	1	
48"		3	2	2	1	
54"		3	3	2	2	
60"		4	3	2	2	
70"		5	5	3	3	
72"		5	5	3	3	
84"		7	6	4	4	
90"		8	7	5	4	
92"		8	8	5	5	
96"		9	8	6	5	
24"		97-3/4"	1	1	1	1
30"	1		1	1	1	
36"	2		2	1	1	
42"	2		2	1	1	
48"	3		2	2	1	
54"	3		3	2	2	
60"	4		3	2	2	
70"	5		5	3	3	
72"	5		5	3	3	
84"	7		6	4	4	
24"	102"		1	1	1	1
30"			1	1	1	1
36"			2	2	1	1
42"			2	2	1	1
48"		3	2	2	1	
54"		3	3	2	2	
60"		4	3	2	2	
70"		5	5	3	3	
72"		5	5	3	3	
84"		7	6	4	4	

TABLE 9:

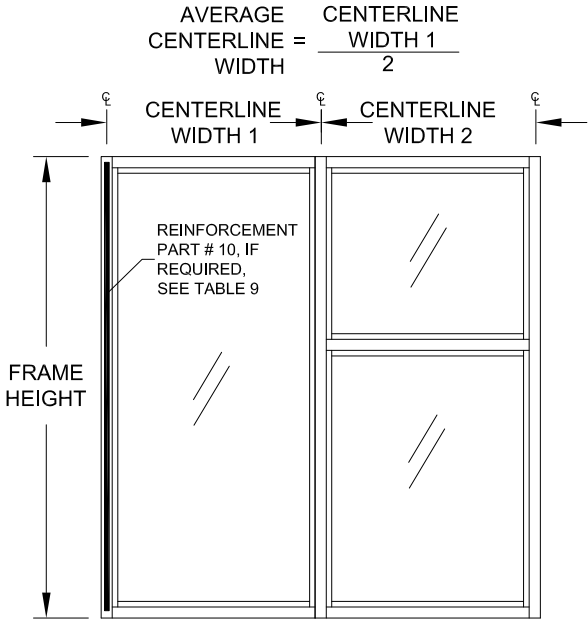
Mullion DP, psf					
Average Centerline Width	Frame Height	5" Unreinforced Mullion	5" Reinforced Mullion	7" Unreinforced HD Mullion	7" Reinforced HD Mullion
24"	48"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+70/-80	+90/-120	+70/-70	+60/-75
48"		+70/-80	+90/-120	+70/-70	+60/-75
54"		+70/-80	+90/-120	+70/-70	+60/-75
60"		+70/-80	+90/-120	+70/-70	+60/-75
70"		+70/-80	+90/-120	+70/-70	+60/-75
72"		+70/-80	+90/-120	+70/-70	+60/-75
84"		+70/-80	+90/-120	+70/-70	+60/-75
90"		+70/-80	+90/-120	+70/-70	+60/-75
92"		+70/-80	+90/-120	+70/-70	+60/-75
96"		+70/-80	+90/-120	+70/-70	+60/-75
102"			+90/-120	+70/-70	+60/-75
108"			+90/-120	+70/-70	+60/-75
120"			+90/-120	+70/-70	+60/-75
132"			+90/-100	+70/-70	+60/-75
144"			+90/-100	+70/-70	+60/-75
168"	60"				+60/-75
180"					+60/-75
24"		+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+70/-80	+90/-120	+70/-70	+60/-75
48"		+70/-80	+90/-120	+70/-70	+60/-75
54"		+70/-80	+90/-120	+70/-70	+60/-75
60"		+70/-80	+90/-120	+70/-70	+60/-75
70"		+70/-80	+90/-120	+70/-70	+60/-75
72"		+70/-80	+90/-120	+70/-70	+60/-75
84"			+90/-120	+70/-70	+60/-75
90"			+90/-120	+70/-70	+60/-75
92"			+90/-120	+70/-70	+60/-75
96"			+90/-120	+70/-70	+60/-75
102"			+90/-100	+70/-70	+60/-75
108"			+90/-100	+70/-70	+60/-75
120"	72"			+70/-70	+60/-75
132"				+70/-70	+60/-75
144"				+70/-70	+60/-75
24"		+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+70/-80	+90/-120	+70/-70	+60/-75
48"		+70/-80	+90/-120	+70/-70	+60/-75
54"		+70/-80	+90/-120	+70/-70	+60/-75
60"		+70/-80	+90/-120	+70/-70	+60/-75
70"			+90/-120	+70/-70	+60/-75
72"			+90/-120	+70/-70	+60/-75
84"			+90/-100	+70/-70	+60/-75
90"			+90/-100	+70/-70	+60/-75
92"			+90/-100	+70/-70	+60/-75
96"			+90/-100	+70/-70	+60/-75
102"				+70/-70	+60/-75
108"				+70/-70	+60/-75
120"				+70/-70	+60/-75

Mullion DP, psf					
Average Centerline Width	Frame Height	5" Unreinforced Mullion	5" Reinforced Mullion	7" Unreinforced HD Mullion	7" Reinforced HD Mullion
24"	78"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+70/-80	+90/-120	+70/-70	+60/-75
48"		+70/-80	+90/-120	+70/-70	+60/-75
54"		+70/-80	+90/-120	+70/-70	+60/-75
60"		+70/-80	+90/-120	+70/-70	+60/-75
70"			+90/-120	+70/-70	+60/-75
72"			+90/-120	+70/-70	+60/-75
84"			+90/-100	+70/-70	+60/-75
90"			+90/-100	+70/-70	+60/-75
92"				+70/-70	+60/-75
96"				+70/-70	+60/-75
102"				+70/-70	+60/-75
108"				+70/-70	+60/-75
24"	84"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+70/-80	+90/-120	+70/-70	+60/-75
48"		+70/-80	+90/-120	+70/-70	+60/-75
54"		+70/-80	+90/-120	+70/-70	+60/-75
60"			+90/-120	+70/-70	+60/-75
70"			+90/-100	+70/-70	+60/-75
72"			+90/-100	+70/-70	+60/-75
84"			+90/-100	+70/-70	+60/-75
90"				+70/-70	+60/-75
92"				+70/-70	+60/-75
96"				+70/-70	+60/-75
102"				+70/-70	+60/-75
24"	90"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+70/-80	+90/-120	+70/-70	+60/-75
48"		+70/-80	+90/-120	+70/-70	+60/-75
54"			+90/-120	+70/-70	+60/-75
60"			+90/-120	+70/-70	+60/-75
70"			+90/-100	+70/-70	+60/-75
72"			+90/-100	+70/-70	+60/-75
84"				+70/-70	+60/-75
90"				+70/-70	+60/-75
92"				+70/-70	+60/-75
96"				+70/-70	+60/-75
24"	97-3/4"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+70/-80	+90/-120	+70/-70	+60/-75
48"		+70/-80	+90/-120	+70/-70	+60/-75
54"			+90/-120	+70/-70	+60/-75
60"			+90/-100	+70/-70	+60/-75
70"			+90/-100	+70/-70	+60/-75
72"			+90/-100	+70/-70	+60/-75
84"				+70/-70	+60/-75
24"	102"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+70/-80	+90/-120	+70/-70	+60/-75
42"		+68.3/-78.1	+90/-120	+70/-70	+60/-75
48"			+90/-120	+70/-70	+60/-75
54"			+90/-120	+70/-70	+60/-75
60"			+90/-100	+70/-70	+60/-75
70"			+90/-100	+70/-70	+60/-75
72"				+70/-70	+60/-75
84"				+70/-70	+60/-75

Mullion DP, psf					
Average Centerline Width	Frame Height	5" Unreinforced Mullion	5" Reinforced Mullion	7" Unreinforced HD Mullion	7" Reinforced HD Mullion
24"	108"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+70/-80	+90/-120	+70/-70	+60/-75
36"		+65.6/-74.9	+90/-120	+70/-70	+60/-75
42"		+57.1/-65.3	+90/-120	+70/-70	+60/-75
48"			+90/-120	+70/-70	+60/-75
54"			+90/-100	+70/-70	+60/-75
60"			+90/-100	+70/-70	+60/-75
70"				+70/-70	+60/-75
72"				+70/-70	+60/-75
24"	114"	+70/-80	+90/-120	+70/-70	+60/-75
30"		+65.8/-75.2	+90/-120	+70/-70	+60/-75
36"		+55.5/-63.4	+90/-120	+70/-70	+60/-75
42"			+90/-120	+70/-70	+60/-75
48"			+90/-120	+70/-70	+60/-75
54"			+90/-100	+70/-70	+60/-75
60"			+90/-100	+70/-70	+60/-75
70"				+70/-70	+60/-75
72"				+70/-70	+60/-75
24"	120"	+69.7/-79.6	+90/-120	+70/-70	+60/-75
30"		+56.2/-64.3	+90/-120	+70/-70	+60/-75
36"		+47.4/-54.2	+90/-120	+70/-70	+60/-75
42"			+90/-120	+70/-70	+60/-75
48"			+90/-120	+70/-70	+60/-75
54"			+90/-100	+70/-70	+60/-75
60"			+90/-100	+70/-70	+60/-75
70"				+70/-70	+60/-75
72"				+70/-70	+60/-75
24"	126"	+60.1/-68.7	+90/-120	+70/-70	+60/-75
30"		+48.5/-55.4	+90/-120	+70/-70	+60/-75
36"		+40.8/-46.6	+90/-120	+70/-70	+60/-75
42"			+90/-116.1	+70/-70	+60/-75
48"			+90/-100	+70/-70	+60/-75
54"			+84/-93.4	+70/-70	+60/-75
60"				+70/-70	+60/-75
24"	132"	+52.2/-59.6	+90/-120	+70/-70	+60/-75
30"		+42.1/-48.1	+90/-120	+70/-70	+60/-75
36"			+90/-116.1	+70/-70	+60/-75
42"			+90/-100.6	+70/-70	+60/-75
48"			+80.5/-89.4	+70/-70	+60/-75
54"			+72.6/-80.6	+70/-70	+60/-75
60"				+70/-70	+60/-73.4
24"	138"	+45.6/-52.1	+90/-120	+70/-70	+60/-75
30"		+36.7/-42	+90/-120	+70/-70	+60/-75
36"			+90/-101.3	+70/-70	+60/-75
42"			+79.2/-88	+70/-70	+60/-75
48"			+70.1/-77.9	+70/-70	+60/-75
54"				+70/-70	+60/-75
60"				+70/-70	+60/-69.3
24"	144"	+40.1/-45.8	+90/-120	+70/-70	+60/-75
30"		+32.3/-36.9	+90/-105.9	+70/-70	+60/-75
36"			+80.3/-89.2	+70/-70	+60/-75
42"			+69.5/-77.2	+70/-70	+60/-75
48"			+61.5/-68.3	+70/-70	+60/-75
54"				+70/-70	+60/-71.1
60"				+70/-70	+60/-65.7
24"	168"				+60/-75
30"					+60/-75
36"					+60/-75
42"					+60/-72.8
48"					+60/-65
24"	180"				+60/-75
30"					+60/-75
36"					+60/-75
42"					+60/-67.3
48"					+60/-60



INTERIOR MULLIONS



ANCHORLESS JAMB/MULLION

- IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (COMPATIBLE STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT). THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
- FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

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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A. LYNN MILLER, P.E.
P.E.# 58705

NO CHANGES THIS SHEET.
- JR - 8/16/23

Series	Desc.	Title	Table	Scale	Sheet	No.	Date	Rev.
SS-3520	NTS	15 OF 16	SS3520FPA-A	01/02/18	JENS ROSOWSKI			

ASSEMBLY DETAILS
ALL DETAILS SHOWN FROM THE EXTERIOR

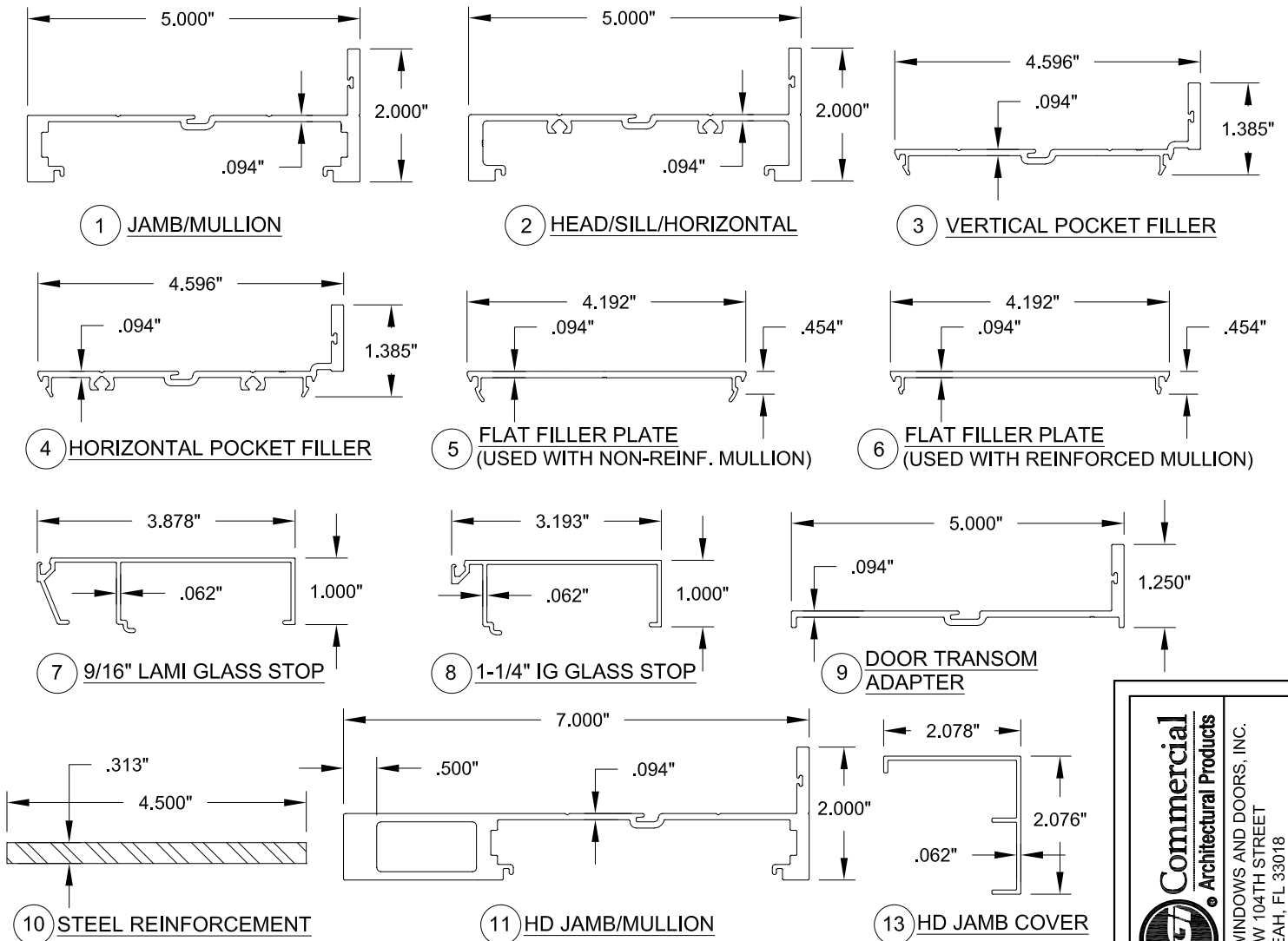
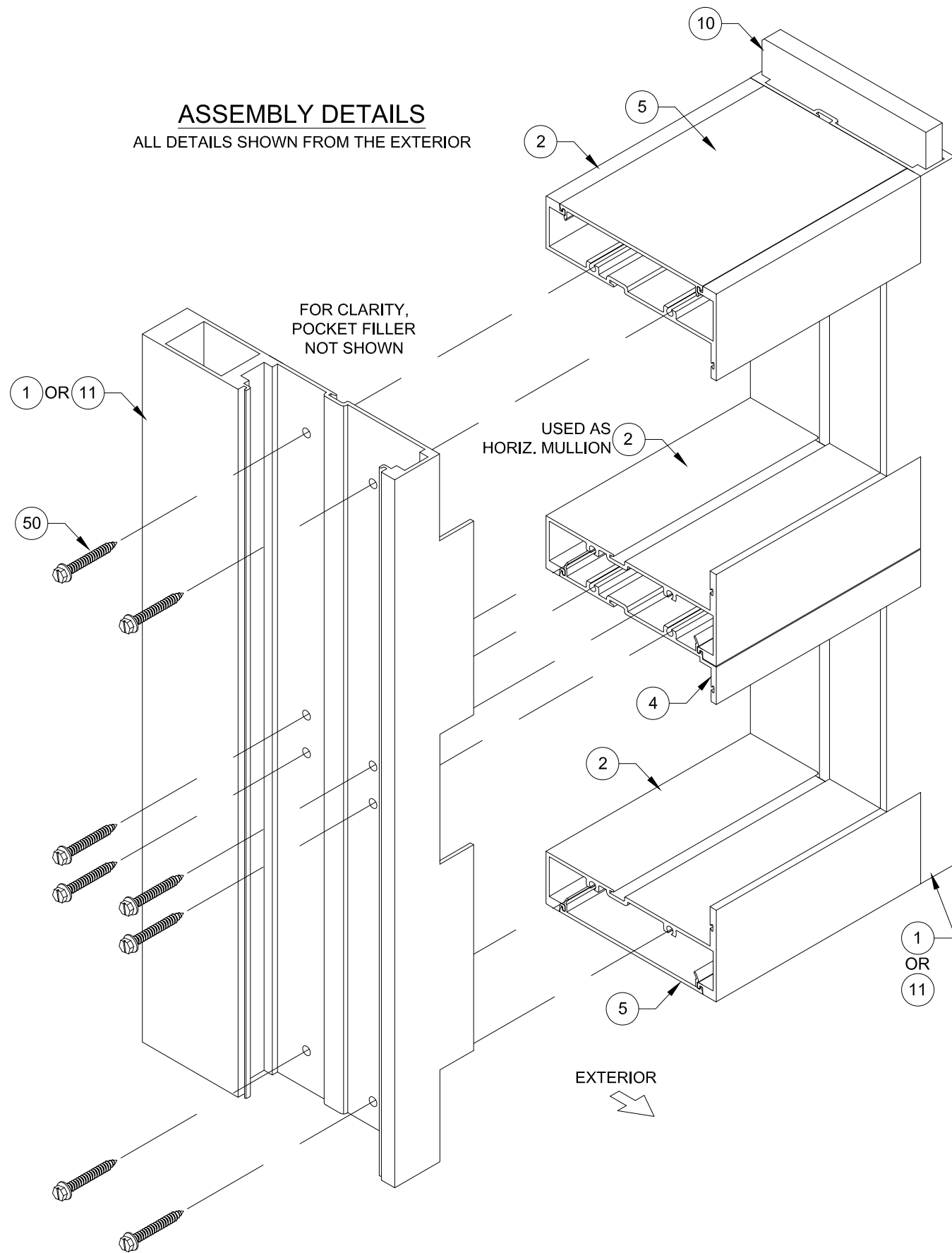


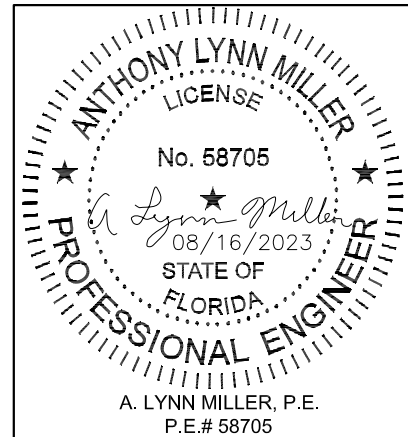
TABLE 10:

Item #	Part #	Description	Material
1	CGIC-206	Jamb/Mullion	6063-T6 Alum.
2	CGIC-201	Head/Sill/Horizontal	6063-T6 Alum.
3	CGIC-207	Vertical Pocket Filler	6063-T6 Alum.
4	CGIC-202	Horizontal Pocket Filler	6063-T6 Alum.
5	CGIC-203	Flat Filler Plate (used with non-reinf. mullion)	6063-T6 Alum.
6	CGIC-003	Flat Filler Plate (used with reinforced mullion)	6063-T6 Alum.
7	CGIC-204	9/16" Lami Glass Stop	6063-T6 Alum.
8	CGIC-205	1-1/4" IG Glass Stop	6063-T6 Alum.
9	CGIC-212	Door Transom Adapter	6063-T6 Alum.
10	CGIC-209	Steel Reinforcement	A36 Steel
11	CGIC-208	HD Jamb/Mullion	6063-T6 Alum.
13	CGIC-214	HD Jamb Cover	6063-T6 Alum.
14	CGIC-213	HD Mullion Cover	6063-T6 Alum.
30	1652	Setting Block 3/16" x 7/16" x 4", Duro = 85 +/-5	EPDM
31	1704	IG Setting Block 3/16" x 1-3/32" x 4", Duro = 85 +/-5	EPDM
36		Thermo-plastic Spacer System	varies
37		Foam Spacer System	varies
38		Metal Reinforced Foam Spacer System	varies
39		Metal Spacer System	varies
40	CGIC-006	Glass Stop Gasket (@ beading, duro. = 65 +/-5)	EPDM
41	CGIC-007	Spacer Gasket (@ glazing leg, duro. = 80 +/-5)	Santoprene
42		Silicone Backbedding: Dow 791, 983, 995, GE7700	
50	CGIC-010	Frame Assembly Screw (#12 x 1-1/2" Hex Washer)	Stainless Steel

Commercial Architectural Products
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- JR - 8/16/23

JENS ROSOWSKI

Drawn By

SS3520FPA-A

Date

01/02/18

No.

16 OF 16

Sheet

NTS

Scale

SS-3520

Title

STOREFRONT WINDOW SYSTEM DETAILS - LM

BOM & EXTRUSIONS

Series

Desc.

Rev.

Description

Rev.

Description

Rev.

Description

Rev.

Description