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Business & Professional Regulation



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Product Approval
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FL #	FL25574-R5
Application Type	Revision
Code Version	2023
Application Status	Approved

Comments

Archived



Product Manufacturer
Address/Phone/Email

CGI Windows and Doors
10100 NW 25 Street
Miami, FL 33172
(305) 593-6590
Lmiller@pgtindustries.com

Authorized Signature

Jens Rosowski
jrosowski@pgtindustries.com

Technical Representative
Address/Phone/Email

Lynn Miller, P.E.
1070 Technology Dr
N Venice, FL 34275
(941) 486-0100 Ext 21142
lmiller@pgtindustries.com

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Panel Walls
Storefronts

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
☐ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report

A. Lynn Miller, P.E.

Florida License

PE-58705

Quality Assurance Entity

Keystone Certifications, Inc.

Quality Assurance Contract Expiration Date

12/31/2032

Validated By

Steven M. Ulrich, PE

☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL25574_R5_COI_Cert of Independence.pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
TAS 201	1994
TAS-202	1994
TAS-203	1994

Equivalence of Product Standards
Certified By

Florida Licensed Professional Engineer or Architect
[FL25574_R5_Equiv_TAS 202 to AAMA 501-15 Letter 2023-08-21.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

10/18/2023

Date Validated

10/18/2023

Date Pending FBC Approval

11/01/2023

Date Approved

12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
25574.1	SS-3400	Storefront Window System
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL25574_R5_II_SS3400_FPA.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25574_R5_AE_SS3400_Eng_Eval.pdf Created by Independent Third Party: No
25574.2	SS-3500	Storefront Window System
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL25574_R5_II_SS3500_FPA - REV D.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25574_R5_AE_SS3500_Eng_Eval - Rev D.pdf Created by Independent Third Party: No
25574.3	SS-3520	Storefront Window System
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL25574_R5_II_SS-3520_FPA - REV B.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25574_R5_AE_SS3520_Eng_Eval - Rev B.pdf Created by Independent Third Party: No

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Product Approval Accepts:



Engineering Evaluation Report # 3500-021622

Prepared by:

A. Lynn Miller, P.E.
1070 Technology Dr.
N. Venice, FL 34275
(941) 480-1600
Certificate of Authorization: #29296

Manufacturer:

CGI Windows and Doors
10100 N.W. 25th St.
Miami, FL 33172

Product Description:

SS-3500 Series Impact-resistant Aluminum Storefront Window System, (LM & SM), FL #25574

Compliance:

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

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

Supporting Technical Documentation:

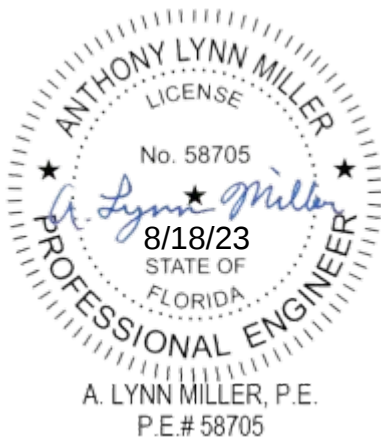
1. Approval document: drawing number MD-3500-2-LM, signed and sealed by A. Lynn Miller, P.E.
2. Test Report No. FTL 7137, 7208 & 8717, signed and sealed by Marlin D. Brinson P.E.
Test Report No. FTL 20-2108.1-5, 20-2203, 20-2273 & 21-1035 signed and sealed by Idalmis Ortega P.E.
Fenestration Testing Laboratories, Medley, FL 33166

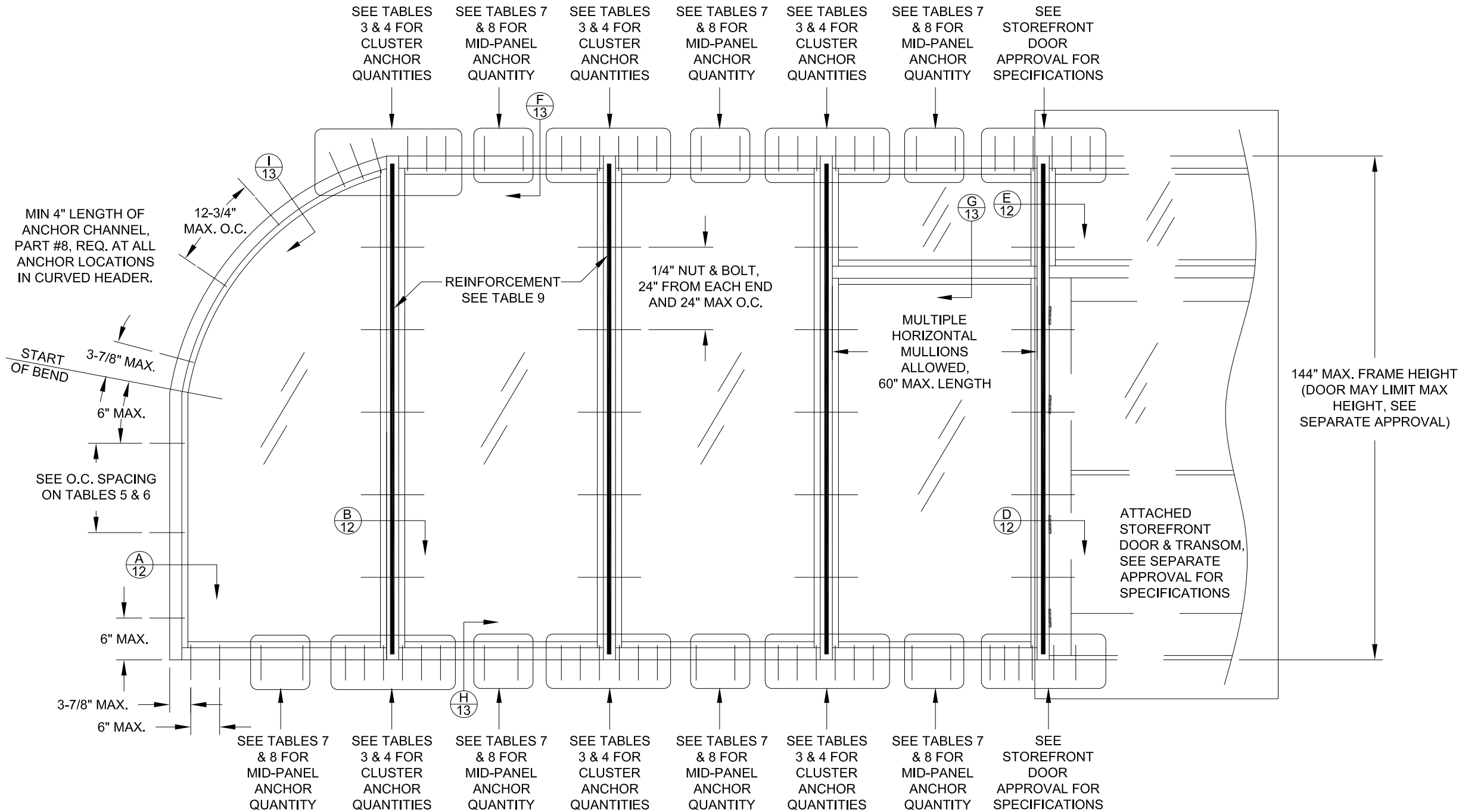
TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure Test
TAS 203-94 Cyclic Pressure Loading Test

3. Calculations, signed and sealed by A. Lynn Miller, P.E., dated 08/11/21 & 08/16/23
4. Miami-Dade RER Product Control Section NOA's; Trosifol PVB and SentryGlas Interlayers by Kuraray America, Inc.

Limitations and Conditions of use:

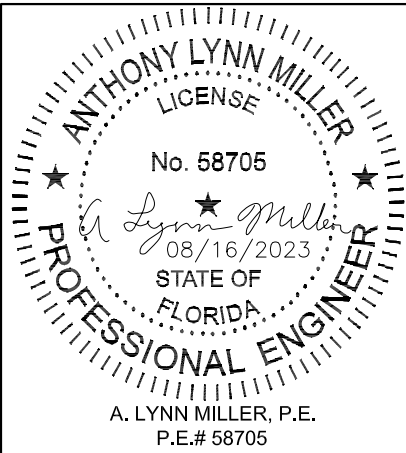
- Units must be glazed per ASTM E1300, refer to approval document for glazing details.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Units must be installed in accordance with the approval documents.





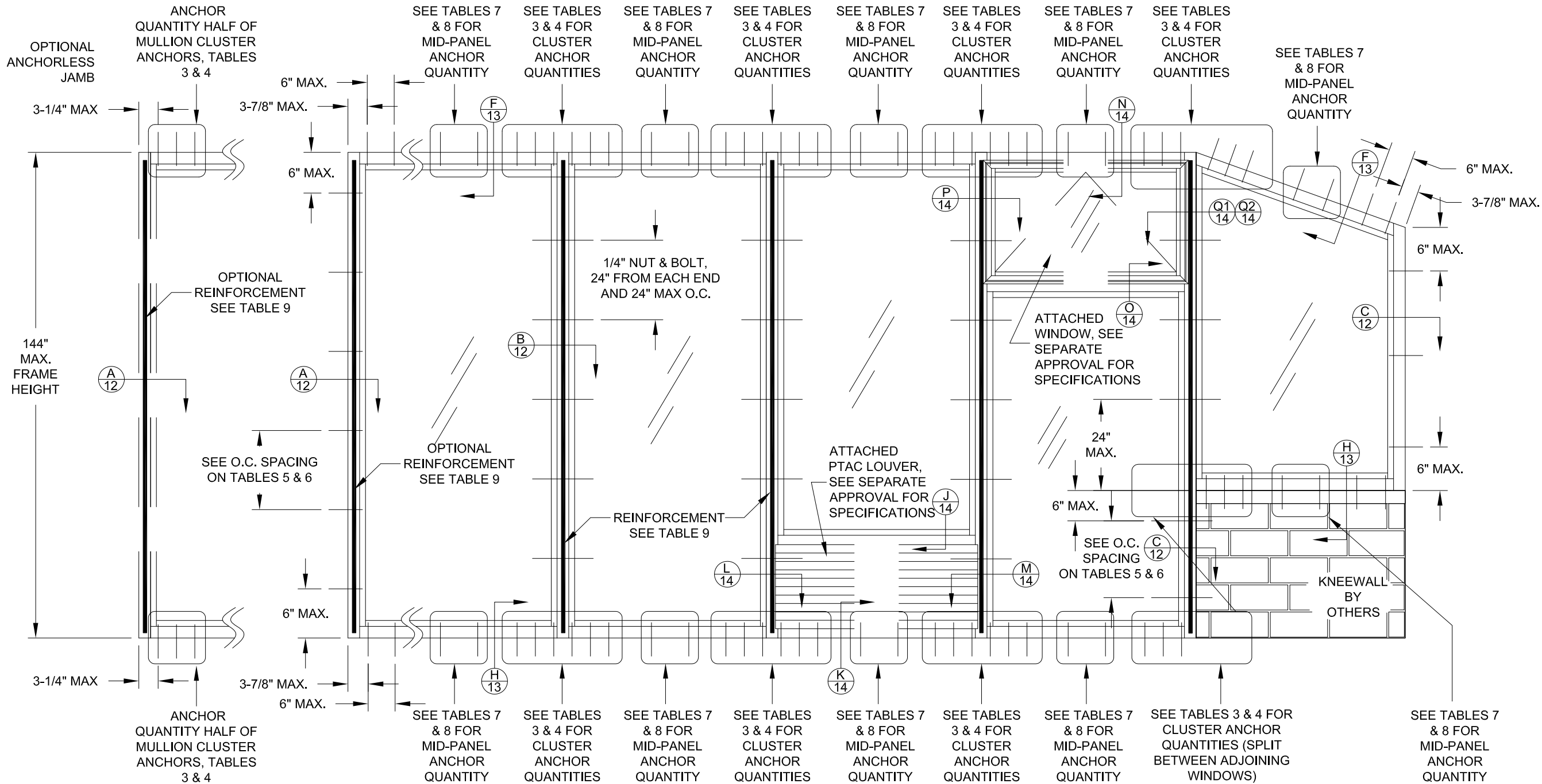
NOTES:

1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (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. SEE TABLES FOR MAXIMUM ALLOWED SIZES.
3. SEE SHEET 4 FOR DAYLIGHT OPENING (DLO) FORMULAS.



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Rev.	D
Rev. Description	NO CHANGES THIS SHEET. - JR - 8/16/23
Series	SS-3500
Scale	NTS
Sheet	2 OF 16
DWG No.	MD-3500-2-LM
Date	03/23/16
Drawn By	J ROSOWSKI
STOREFRONT WINDOW SYSTEM DETAILS - LM ELEVATION A	



NOTES:

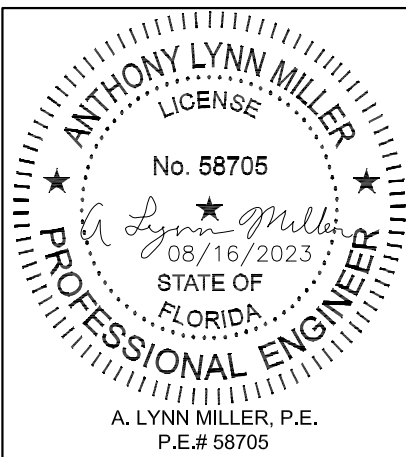
1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (STOREFRONT ENTRANCE DOOR, PTAC LOUVER OR WINDOW INSERT) THE LESSER DESIGN PRESSURE VALUE OF ANY ASSEMBLY OR THE STOREFRONT WINDOW SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.
2. SEE TABLES FOR MAXIMUM ALLOWED SIZES.
3. AWNING WINDOW INSERT SHOWN BUT MAY BE ANY APPROVED WINDOW WITH A FLANGED FRAME.
4. SEE SHEET 4 FOR DAYLIGHT OPENING (DLO) FORMULAS.
5. MULTIPLE INSERTS WITHIN THE SAME STOREFRONT WINDOW ALLOWED.

TYP. ELEVATION OF STOREFRONT WINDOW SYSTEM
WITH EXAMPLES OF WINDOW INSERT, PTAC INSERT,
KNEEWALL, ANGLED HEADER, & ANCHORLESS JAMB

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Rev.	D
Rev. Description	NO CHANGES THIS SHEET. -JR - 8/16/23
Drawn By	J ROSOWSKI
Date	03/23/16
DWG No.	MD-3500-2-LM
Sheet	3 OF 16
Scale	NTS
Series	SS-3500
Title	STOREFRONT WINDOW SYSTEM DETAILS - LM
Desc.	ELEVATION B

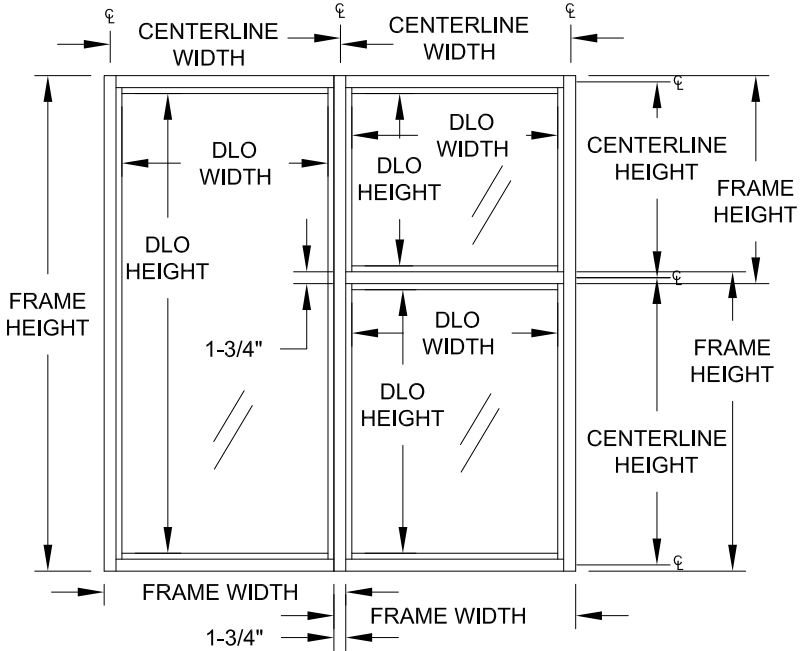
TABLE 2:

Glass DP, (psf) & Maximum Size							
Centerline Width	Frame Height	DLO Width	DLO Height	Glass Type A & D	Glass Type B, E & E1	Glass Type C, F & F1	Glass Type G, H & H1
24"	48"	20-1/4"	42-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
48"		44-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
60"		56-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
72"		68-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
84"		80-1/4"		+84.5/-84.5	+70/-80	+90/-120	+90/-100
96"		92-1/4"		+80.5/-80.5	+70/-80	+90/-120	+60/-75
108"		104-1/4"				+90/-120	+60/-75
120"		116-1/4"				+90/-120	+60/-75
132"		128-1/4"				+90/-100	+60/-75
144"		140-1/4"				+90/-100	+60/-75
24"	60"	20-1/4"	54-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
48"		44-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
60"		56-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
72"		68-1/4"		+82.8/-82.8	+70/-80	+90/-120	+60/-75
84"		80-1/4"				+90/-119.5	+60/-75
90"		86-1/4"				+90/-115.2	+60/-75
92"		88-1/4"				+90/-114	+60/-75
96"		92-1/4"				+90/-111.7	+60/-75
108"		104-1/4"				+90/-100	+60/-75
120"		116-1/4"				+90/-100	+60/-75
132"		128-1/4"				+60/-65	+60/-75
24"	72"	20-1/4"	66-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
48"		44-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
60"		56-1/4"		+82.8/-82.8	+70/-80	+90/-120	+89.7/-99.7
72"		68-1/4"				+90/-120	+60/-75
84"		80-1/4"				+90/-100	+60/-75
96"		92-1/4"				+90/-100	+60/-75
108"		104-1/4"				+60/-65	+60/-75
24"	78"	20-1/4"	72-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
48"		44-1/4"		+87.2/-87.2	+70/-80	+90/-120	+90/-100
60"		56-1/4"		+78.5/-78.5	+70/-78.5	+90/-120	+60/-75
70"		66-1/4"				+90/-119.4	+60/-75
72"		68-1/4"				+90/-118.9	+60/-75
84"		80-1/4"				+90/-100	+60/-75
92"		88-1/4"				+90/-100	+60/-75
96"		92-1/4"				+60/-65	+60/-75
102"		98-1/4"				+60/-65	+60/-75
24"	84"	20-1/4"	78-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
48"		44-1/4"		+84.5/-84.5	+70/-80	+90/-120	+88.3/-98.1
54"		50-1/4"		+79.1/-79.1	+70/-79.1	+90/-120	+60/-75
60"		56-1/4"				+90/-119.5	+60/-75
70"		66-1/4"				+90/-100	+60/-75
72"		68-1/4"				+90/-100	+60/-75
84"		80-1/4"				+90/-100	+60/-75
96"		92-1/4"				+60/-65	+60/-75
24"	90"	20-1/4"	84-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
42"		38-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
48"		44-1/4"		+82.3/-82.3	+70/-80	+90/-120	+60/-75
54"		50-1/4"				+90/-120	+60/-75
60"		56-1/4"				+90/-115.2	+60/-75
72"		68-1/4"				+90/-100	+60/-75
84"		80-1/4"				+60/-65	+60/-75
92"		88-1/4"				+60/-65	+60/-72.7

Glass DP, (psf) & Maximum Size							
Centerline Width	Frame Height	DLO Width	DLO Height	Glass Type A & D	Glass Type B, E & E1	Glass Type C, F & F1	Glass Type G, H & H1
24"	97-3/4"	20-1/4"	92-1/4"	+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
42"		38-1/4"		+87.9/-87.9	+70/-80	+90/-120	+60/-75
48"		44-1/4"		+80/-80	+70/-80	+90/-120	+60/-75
54"		50-1/4"				+90/-117.9	+60/-75
66"		66-1/4"				+90/-100	+60/-72.8
72"		68-1/4"				+90/-98.9	+60/-71.9
84"		80-1/4"				+60/-65	+60/-68.3
24"	102"	20-1/4"	96-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
42"		38-1/4"		+86.9/-86.9	+70/-80	+90/-120	+60/-75
48"		44-1/4"				+90/-120	+60/-75
54"		50-1/4"				+90/-116.1	+60/-75
60"		56-1/4"				+90/-100	+60/-75
70"		66-1/4"				+90/-97.9	+60/-71.2
72"		68-1/4"				+60/-65	+60/-70.2
24"	108"	20-1/4"	102-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
42"		38-1/4"		+85.6/-85.6	+70/-80	+90/-120	+60/-75
48"		44-1/4"				+90/-120	+60/-75
56"		56-1/4"				+90/-100	+60/-75
68"		68-1/4"				+60/-65	+60/-68.2
24"	114"	20-1/4"	108-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+60/-75
48"		44-1/4"				+90/-120	+60/-75
56"		56-1/4"				+90/-100	+60/-74
68"		68-1/4"				+60/-65	+60/-66.4
24"	120"	20-1/4"	114-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+60/-75
42"		42-1/2"				+90/-120	+60/-75
48"		44-1/4"				+90/-120	+60/-75
56"		56-1/4"				+90/-100	+60/-72.7
24"	126"	20-1/4"	120-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"		+90/-90	+70/-80	+90/-120	+60/-75
42"		38-1/4"				+90/-120	+60/-75
44"		44-1/4"				+90/-100	+60/-75
50"		50-1/4"				+90/-100	+60/-75
56"		56-1/4"				+60/-65	+60/-71.6
24"	132"	20-1/4"	126-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+90/-100
36"		32-1/4"				+90/-120	+60/-75
42"		38-1/4"				+90/-120	+60/-75
48"		44-1/4"				+90/-100	+60/-75
54"		50-1/4"				+90/-100	+60/-75
56"		56-1/4"				+60/-65	+60/-70.6
24"	138"	20-1/4"	132-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+60/-75
36"		32-1/4"				+90/-120	+60/-75
42"		38-1/4"				+90/-100	+60/-75
48"		44-1/4"				+90/-100	+60/-75
56"		56-1/4"				+60/-65	+60/-69.7
24"	144"	20-1/4"	138-1/2"	+90/-90	+70/-80	+90/-120	+90/-100
30"		26-1/4"		+90/-90	+70/-80	+90/-120	+60/-75
36"		32-1/4"				+90/-120	+60/-75
42"		38-1/4"				+90/-100	+60/-75
48"		44-1/4"				+90/-100	+60/-75
58.25"		54-1/2"				+60/-65	+60/-68.9

TABLE 2A:

Glass Types (Listed Exterior to Interior)	
A	Lami: 1/4"A, .090" SG, 1/4"A
B	Lami: 1/4"HS, .090" PVB, 1/4"HS
C	Lami: 1/4"HS, .090" SG, 1/4"HS
D	Lami IG: 1/4"A, .090" SG, 1/4"A, AIRSPACE, 1/4" T CAP
E	Lami IG: 1/4"HS, .090" PVB, 1/4"HS, AIRSPACE, 1/4" T CAP
E1	Reversed Lami IG: 1/4" T CAP, AIRSPACE, 1/4" HS, .090" PVB, 1/4"HS
F	Lami IG: 1/4"HS, .090" SG, 1/4"HS, AIRSPACE, 1/4" T CAP
F1	Reversed Lami IG: 1/4" T CAP, AIRSPACE, 1/4" HS, .090" SG, 1/4"HS
G	Lami IG: 1/4"HS, .090" PVB PLUS, 1/4"HS
H	Lami IG: 1/4"HS, .090" PVB PLUS, 1/4"HS, AIRSPACE, 1/4" T CAP
H1	Reversed Lami IG: 1/4" T CAP, AIRSPACE, 1/4" HS, .090" PVB PLUS, 1/4"HS



DLO (DAYLIGHT OPENING) FORMULAS:

FRAME WIDTH - 5-1/2" = DLO WIDTH
FRAME HEIGHT - 5-1/2" = DLO HEIGHT

CENTERLINE WIDTH - 3-3/4" = DLO WIDTH
CENTERLINE HEIGHT - 3-3/4" = DLO HEIGHT

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

NOTES:

- 1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (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. DLO = DAYLIGHT OPENING
- 3. SEE SHEET 15 FOR DESCRIPTIONS OF GLASS TYPES.

CGI WINDOWS AND DOORS, INC.
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(305) 593-6590

PREPARED BY: A. LYNN MILLER
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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

Rev. Description

Rev. Title

Rev. Date

Rev. No.

Rev. Scale

Rev. Sheet

Rev. Series

Rev. D

Rev. J ROSOWSKI

Rev. MD-3500-2-LM

Rev. 03/23/16

Rev. 4 OF 16

Rev. NTS

Rev. SS-3500

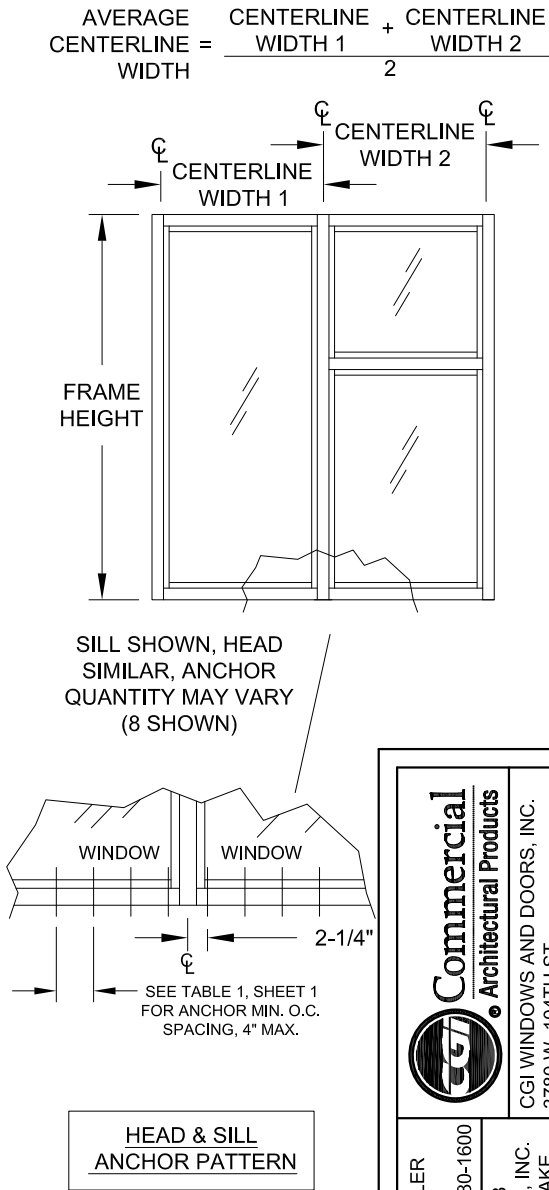
Rev. TABLE 2

Rev. STOREFRONT WINDOW SYSTEM DETAILS - LM

Rev. ADDED GLASS TYPES G, H & H1. - JR - 8/16/23

Mullion Anchor Cluster Design Pressure 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			Group "E" Anchor Quantity			
		4	6	8	4	6	8	4	6	8	4	6	8	4	6	8	
24"	48"	120.0	120.0	120.0	120.0	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	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	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	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	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	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	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	120.0	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	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	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	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
24"	60"	120.0	120.0	120.0	120.0	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	120.0	120.0	120.0		
48"		120.0	120.0	120.0	120.0	120.0	120.0	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	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	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	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	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	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	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	120.0	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	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	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
24"	72"	120.0	120.0	120.0	120.0	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	1													

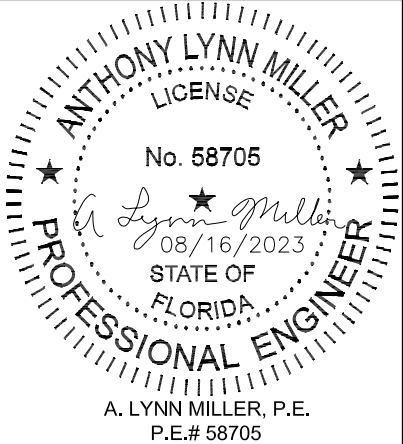
Mullion Anchor Cluster Design Pressure at Head/Sill, (+/- psf)													Shim Thickness: 1/4"			
Average Centerline Width	Frame Height	Group "A" Anchor Quantity			Group "B" Anchor Quantity			Group "C" Anchor Quantity			Group "D" Anchor Quantity			Group "E" Anchor Quantity		
		4	6	8	4	6	8	4	6	8	4	6	8	4	6	8
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	120.0	120.0	120.0	120.0
36"		118.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		105.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		96.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		89.0	120.0	120.0	120.0	120.0	120.0	119.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
70"		77.4	116.2	120.0	107.2	120.0	120.0	103.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		76.5	114.8	120.0	105.9	120.0	120.0	102.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		72.6	109.0	120.0	100.6	120.0	120.0	97.2	120.0	120.0	114.9	120.0	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	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	120.0	120.0	120.0	120.0
36"		112.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		100.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		90.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		84.0	120.0	120.0	116.3	120.0	120.0	112.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		78.7	118.1	120.0	109.0	120.0	120.0	105.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
70"		72.5	108.8	120.0	100.4	120.0	120.0	97.0	120.0	120.0	114.7	120.0	120.0	120.0	120.0	120.0
72"	71.6	107.4	120.0	99.1	120.0	120.0	95.8	120.0	120.0	113.2	120.0	120.0	119.5	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	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	120.0	120.0	120.0	120.0
36"		105.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		93.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		84.4	120.0	120.0	116.8	120.0	120.0	112.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		72.7	109.0	120.0	100.7	120.0	120.0	97.2	120.0	120.0	115.0	120.0	120.0	120.0	120.0	120.0
72"		65.6	98.4	120.0	90.9	120.0	120.0	87.8	120.0	120.0	103.8	120.0	120.0	109.6	120.0	120.0
24"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"	114"	114.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		98.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		78.7	118.1	120.0	109.0	120.0	120.0	105.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		67.5	101.2	120.0	93.5	120.0	120.0	90.3	120.0	120.0	106.7	120.0	120.0	112.7	120.0	120.0
72"		60.6	90.9	120.0	83.9	120.0	120.0	81.0	120.0	120.0	95.8	120.0	120.0	101.1	120.0	120.0
24"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"		108.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		92.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
46.25"	120"	81.8	120.0	120.0	113.3	120.0	120.0	109.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		73.8	110.7	120.0	102.2	120.0	120.0	98.8	120.0	120.0	116.8	120.0	120.0	120.0	120.0	120.0
60"		63.0	94.5	120.0	87.2	120.0	120.0	84.3	120.0	120.0	99.6	120.0	120.0	105.2	120.0	120.0
24"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"	126"	102.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		87.5	120.0	120.0	120.0	120.0	120.0	117.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		77.1	115.7	120.0	106.8	120.0	120.0	103.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		69.5	104.2	120.0	96.2	120.0	120.0	92.9	120.0	120.0	109.9	120.0	120.0	116.0	120.0	120.0
54"		63.6	95.5	120.0	88.1	120.0	120.0	85.1	120.0	120.0	100.6	120.0	120.0	106.2	120.0	120.0
60"		59.1	88.6	118.1	81.8	120.0	120.0	79.0	118.5	120.0	93.4	120.0	120.0	98.6	120.0	120.0
24"	132"	118.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"		96.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		82.9	120.0	120.0	114.8	120.0	120.0	110.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		73.0	109.5	120.0	101.0	120.0	120.0	97.6	120.0	120.0	115.4	120.0	120.0	120.0	120.0	120.0
48"		65.6	98.4	120.0	90.9	120.0	120.0	87.8	120.0	120.0	103.8	120.0	120.0	109.6	120.0	120.0
54"		60.0	90.0	120.0	83.1	120.0	120.0	80.3	120.0	120.0	94.9	120.0	120.0	100.2	120.0	120.0
60"	55.6	83.4	111.2	77.0	115.5	120.0	74.4	111.5	120.0	87.9	120.0	120.0	92.8	120.0	120.0	
24"	138"	112.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"		92.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		78.7	118.1	120.0	109.0	120.0	120.0	105.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		69.2	103.8	120.0	95.9	120.0	120.0	92.6	120.0	120.0	109.5	120.0	120.0	115.6	120.0	120.0
48"		62.2	93.3	120.0	86.1	120.0	120.0	83.2	120.0	120.0	98.3	120.0	120.0	103.8	120.0	120.0
60"		52.5	78.7	105.0	72.7	109.0	120.0	70.2	105.3	120.0	83.0	120.0	120.0	87.6	120.0	120.0
24"	144"	107.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"		87.9	120.0	120.0	120.0	120.0	120.0	117.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		75.0	112.5	120.0	103.8	120.0	120.0	100.3	120.0	120.0	118.6	120.0	120.0	120.0	120.0	120.0
42"		65.9	98.8	120.0	91.2	120.0	120.0	88.1	120.0	120.0	104.1	120.0	120.0	109.9	120.0	120.0
48"		59.1	88.6	118.1	81.8	120.0	120.0	79.0	118.5	120.0	93.4	120.0	120.0	98.6	120.0	120.0
58.25"		50.8	76.3	101.7	70.4	105.6	120.0	68.0	102.0	120.0	80.4	120.0	120.0	84.9	120.0	120.0



NOTES:

1. IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (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.

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.	 Commercial Architectural Products	CGI WINDOWS AND DOORS, INC. 3780 W. 104TH ST HIALEAH, FL 33018 (305) 593-6590
REGISTRATION #29296			



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

STOREFRONT WINDOW SYSTEM DETAILS - LM

TABLE 3

SS-3500

J ROSOWSKI

03/23/16

Rev. Description

Rev.

Rev.

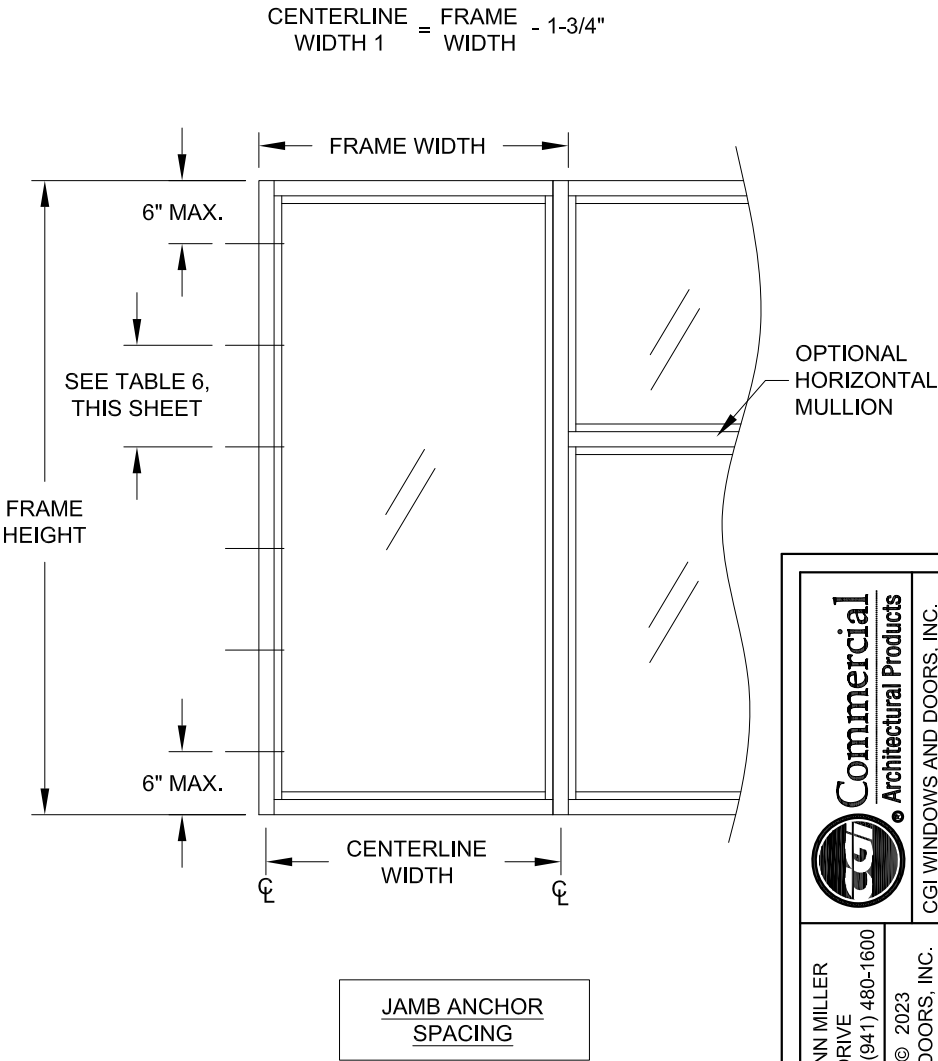
TABLE 4:

Mullion Anchor Cluster Design Pressure at Head/Sill, (+/- psf)														Shim Thickness: 1/2"			
Average Centerline Width	Frame Height	Group "A" Anchor Quantity			Group "B" Anchor Quantity			Group "C" Anchor Quantity			Group "D" Anchor Quantity			Group "E" Anchor Quantity			
		4	6	8	4	6	8	4	6	8	4	6	8	4	6	8	
24"	48"	120.0	120.0	120.0	120.0	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	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	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	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	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	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	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	120.0	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	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	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	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
24"	60"	120.0	120.0	120.0	120.0	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	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	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	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	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	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	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	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	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	120.0	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	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	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
24"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
36"		112.9	120.0	120.0	112.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"		95.3	120.0	120.0	95.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
60"		87.1	120.0	120.0	87.1	120.0	120.0	119.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
72"		84.7	120.0	120.0	84.7	120.0	120.0	115.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
84"		84.7	120.0	120.0	84.7	120.0	120.0	115.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
96"		84.7	120.0	120.0	84.7	120.0	120.0	115.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
108"		84.7	120.0	120.0	84.7	120.0	120.0	115.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
24"	78"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
36"		101.7	120.0	120.0	101.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"		84.7	120.0	120.0	84.7	120.0	120.0	115.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
60"		76.2	114.4	120.0	76.2	114.4	120.0	104.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
70"		72.9	109.4	120.0	72.9	109.4	120.0	99.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
72"		72.6	108.9	120.0	72.6	108.9	120.0	99.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
84"		72.2	108.3	120.0	72.2	108.3	120.0	98.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
92"		72.2	108.3	120.0	72.2	108.3	120.0	98.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
96"		72.2	108.3	120.0	72.2	108.3	120.0	98.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
102"		72.2	108.3	120.0	72.2	108.3	120.0	98.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
24"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
36"		92.4	120.0	120.0	92.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"		76.2	114.4	120.0	76.2	114.4	120.0	104.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
54"		71.3	107.0	120.0	71.3	107.0	120.0	97.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
60"		67.8	101.7	120.0	67.8	101.7	120.0	92.7	120.0	120.0	118.1	120.0	120.0	120.0	120.0	120.0	
70"		64.0	96.0	120.0	64.0	96.0	120.0	87.5	120.0	120.0	111.6	120.0	120.0	120.0	120.0	120.0	
72"		63.5	95.3	120.0	63.5	95.3	120.0	86.9	120.0	120.0	110.7	120.0	120.0	120.0	120.0	120.0	
84"		62.2	93.4	120.0	62.2	93.4	120.0	85.1	120.0	120.0	108.5	120.0	120.0	120.0	120.0	120.0	
96"		62.2	93.4	120.0	62.2	93.4	120.0	85.1	120.0	120.0	108.5	120.0	120.0	120.0	120.0	120.0	
24"	90"	117.3	120.0	120.0	117.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
36"		84.7	120.0	120.0	84.7	120.0	120.0	115.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42"		75.8	113.6	120.0	75.8	113.6	120.0	103.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48"		69.3	104.0	120.0	69.3	104.0	120.0	94.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
54"		64.5	96.8	120.0	64.5	96.8	120.0	88.3	120.0	120.0	112.5	120.0	120.0	120.0	120.0	120.0	
60"		61.0	91.5	120.0	61.0	91.5	120.0	83.4	120.0	120.0	106.3	120.0	120.0	120.0	120.0	120.0	
72"		56.5	84.7	112.9	56.5	84.7	112.9	77.2	115.9	120.0	98.4	120.0	120.0	120.0	120.0	120.0	
84"		54.5	81.7	108.9	54.5	81.7	108.9	74.5	111.7	120.0	94.9	120.0	120.0	120.0	120.0	120.0	
92"	54.2	81.3	108.4	54.2	81.3	108.4	74.1	111.2	120.0	94.5	120.0	120.0	120.0	120.0	120.0		

TABLE 5:

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	Installed with Group "E" Anchors
Centerline Width	Frame Height					
24"	48"	18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
48"		18"	18"	18"	18"	18"
60"		18"	18"	18"	18"	18"
72"		18"	18"	18"	18"	18"
84"		18"	18"	18"	18"	18"
96"		18"	18"	18"	18"	18"
108"		18"	18"	18"	18"	18"
120"		18"	18"	18"	18"	18"
132"		18"	18"	18"	18"	18"
144"		18"	18"	18"	18"	18"
24"	60"	18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
48"		18"	18"	18"	18"	18"
60"		18"	18"	18"	18"	18"
72"		18"	18"	18"	18"	18"
84"		18"	18"	18"	18"	18"
90"		18"	18"	18"	18"	18"
92"		18"	18"	18"	18"	18"
96"		18"	18"	18"	18"	18"
108"		18"	18"	18"	18"	18"
120"		18"	18"	18"	18"	18"
132"	18"	18"	18"	18"	18"	
24"	72"	18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
48"		18"	18"	18"	18"	18"
60"		18"	18"	15"	18"	18"
72"		18"	18"	15"	18"	18"
84"		18"	18"	15"	18"	18"
96"		18"	18"	15"	18"	18"
108"		18"	18"	15"	18"	18"
24"	78"	18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
48"		18"	18"	16-1/2"	18"	18"
60"		16-1/2"	18"	16-1/2"	18"	18"
70"		16-1/2"	18"	13-3/16"	18"	18"
72"		16-1/2"	18"	13-3/16"	18"	18"
84"		16-1/2"	18"	13-3/16"	18"	18"
92"		16-1/2"	18"	13-3/16"	18"	18"
96"		16-1/2"	18"	13-3/16"	18"	18"
102"		16-1/2"	18"	13-3/16"	18"	18"
24"		84"	18"	18"	18"	18"
36"	18"		18"	18"	18"	18"
48"	18"		18"	18"	18"	18"
54"	18"		18"	14-3/8"	18"	18"
60"	18"		18"	14-3/8"	18"	18"
70"	18"		18"	14-3/8"	18"	18"
72"	18"		18"	14-3/8"	18"	18"
84"	18"		18"	14-3/8"	18"	18"
96"	18"	18"	14-3/8"	18"	18"	
24"	90"	18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	18"	18"	18"
48"		18"	18"	15-5/8"	18"	18"
54"		18"	18"	15-5/8"	18"	18"
60"		15-5/8"	18"	15-5/8"	18"	18"
72"		15-5/8"	18"	13"	18"	18"
84"		15-5/8"	18"	13"	18"	18"
92"		15-5/8"	18"	13"	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	Installed with Group "E" Anchors
Centerline Width	Frame Height					
24"	97-3/4"	18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	17-1/8"	18"	18"
48"		18"	18"	17-1/8"	18"	18"
54"		17-1/8"	18"	14-5/16"	18"	18"
70"		14-5/16"	18"	12-1/4"	18"	18"
72"		14-5/16"	18"	12-1/4"	18"	18"
84"		14-5/16"	18"	12-1/4"	17-1/8"	18"
24"	102"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	18"	18"	18"
48"		18"	18"	15"	18"	18"
54"		18"	18"	15"	18"	18"
60"		15"	18"	12-7/8"	18"	18"
70"		15"	18"	12-7/8"	18"	18"
72"		15"	18"	12-7/8"	18"	18"
24"	108"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	16"	18"	18"
48"		18"	18"	16"	18"	18"
60"		16"	18"	13-11/16"	18"	18"
72"		13-11/16"	18"	12"	18"	18"
24"	114"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
48"		17"	18"	14-9/16"	18"	18"
60"		14-9/16"	18"	12-3/4"	18"	18"
72"		14-9/16"	18"	11-5/16"	17"	18"
24"	120"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
46.25"		18"	18"	18"	18"	18"
48"		18"	18"	15-7/16"	18"	18"
60"		15-7/16"	18"	13-1/2"	18"	18"
24"	126"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	16-5/16"	18"	18"
48"		18"	18"	14-1/4"	18"	18"
54"		16-5/16"	18"	14-1/4"	18"	18"
60"		14-1/4"	18"	12-11/16"	18"	18"
24"	132"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	17-1/8"	18"	18"
48"		17-1/8"	18"	15"	18"	18"
54"		15"	18"	13-5/16"	18"	18"
60"		15"	18"	12"	18"	18"
24"	138"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	15-3/4"	18"	18"
48"		18"	18"	14"	18"	18"
60"		14"	18"	12-5/8"	18"	18"
24"	144"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
42"		18"	18"	16-1/2"	18"	18"
48"		16-1/2"	18"	14-11/16"	18"	18"
58.25"		14-11/16"	18"	12"	18"	18"

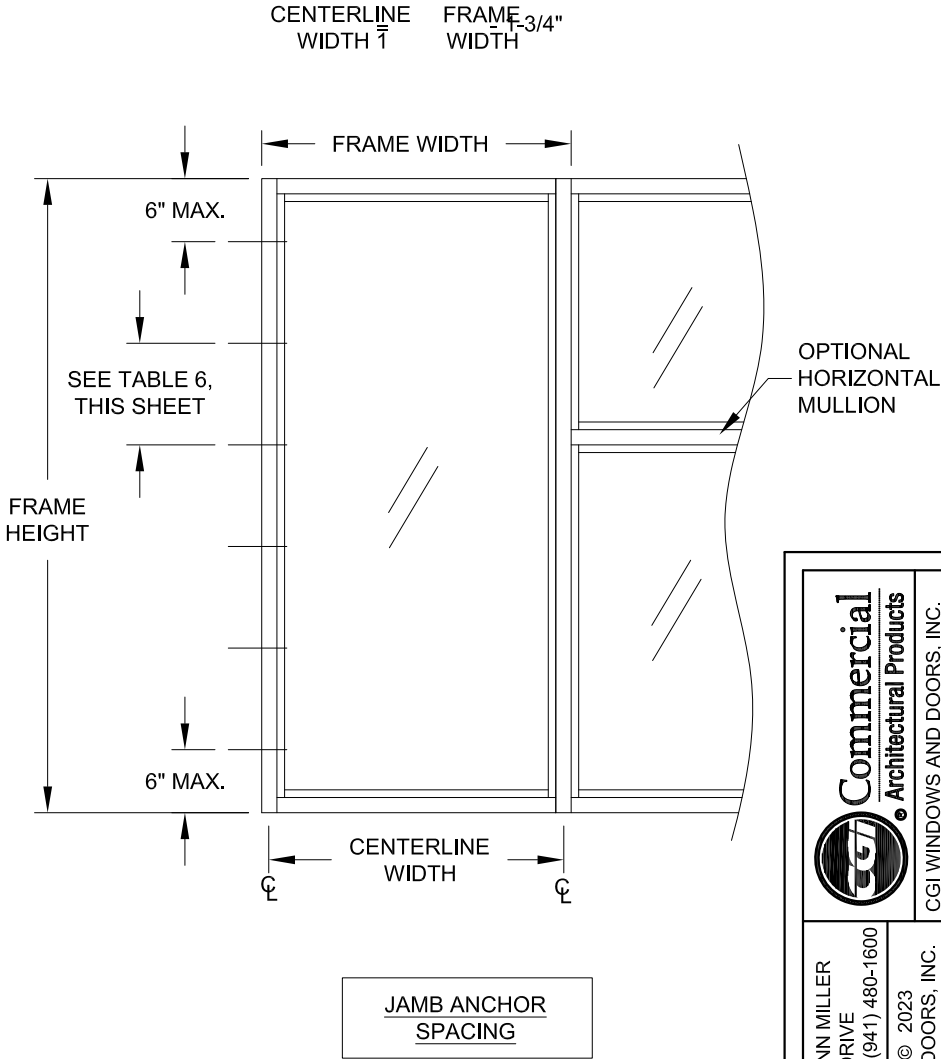


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TABLE 6:

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	Installed with Group "E" Anchors
Centerline Width	Frame Height					
24"	48"	18"	18"	18"	18"	18"
36"		18"	18"	18"	18"	18"
48"		18"	18"	18"	18"	18"
60"		18"	18"	18"	18"	18"
72"		18"	18"	18"	18"	18"
84"		18"	18"	18"	18"	18"
96"		18"	18"	18"	18"	18"
108"		18"	18"	18"	18"	18"
120"		18"	18"	18"	18"	18"
132"		18"	18"	18"	18"	18"
144"		18"	18"	18"	18"	18"
24"	60"	18"	18"	18"	18"	18"
36"		16"	16"	18"	18"	18"
48"		16"	16"	18"	18"	18"
60"		16"	16"	18"	18"	18"
72"		16"	16"	18"	18"	18"
84"		16"	16"	18"	18"	18"
90"		16"	16"	18"	18"	18"
92"		16"	16"	18"	18"	18"
96"		16"	16"	18"	18"	18"
108"		16"	16"	18"	18"	18"
120"		16"	16"	18"	18"	18"
132"		16"	16"	18"	18"	18"
24"	72"	18"	18"	18"	18"	18"
36"		15"	15"	18"	18"	18"
48"		12"	12"	18"	18"	18"
60"		12"	12"	15"	18"	18"
72"		12"	12"	15"	18"	18"
84"		12"	12"	15"	18"	18"
96"		12"	12"	15"	18"	18"
108"		12"	12"	15"	18"	18"
24"	78"	18"	18"	18"	18"	18"
36"		16-1/2"	16-1/2"	18"	18"	18"
48"		13-3/16"	13-3/16"	16-1/2"	18"	18"
60"		11"	11"	16-1/2"	18"	18"
70"		11"	11"	13-3/16"	18"	18"
72"		11"	11"	13-3/16"	18"	18"
84"		11"	11"	13-3/16"	18"	18"
92"		11"	11"	13-3/16"	18"	18"
96"		11"	11"	13-3/16"	18"	18"
102"		11"	11"	13-3/16"	18"	18"
24"	84"	18"	18"	18"	18"	18"
36"		14-3/8"	14-3/8"	18"	18"	18"
48"		12"	12"	18"	18"	18"
54"		12"	12"	14-3/8"	18"	18"
60"		10-5/16"	10-5/16"	14-3/8"	18"	18"
70"		10-5/16"	10-5/16"	14-3/8"	18"	18"
72"		10-5/16"	10-5/16"	14-3/8"	18"	18"
84"		10-5/16"	10-5/16"	14-3/8"	18"	18"
96"		10-5/16"	10-5/16"	14-3/8"	18"	18"
24"	90"	18"	18"	18"	18"	18"
36"		15-5/8"	15-5/8"	18"	18"	18"
42"		13"	13"	18"	18"	18"
48"		13"	13"	15-5/8"	18"	18"
54"		11-1/8"	11-1/8"	15-5/8"	18"	18"
60"		11-1/8"	11-1/8"	15-5/8"	18"	18"
72"		9-3/4"	9-3/4"	13"	18"	18"
84"		9-3/4"	9-3/4"	13"	18"	18"
92"		9-3/4"	9-3/4"	13"	15-5/8"	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	Installed with Group "E" Anchors
Centerline Width	Frame Height					
24"	97-3/4"	18"	18"	18"	18"	18"
36"		14-5/16"	14-5/16"	18"	18"	18"
42"		12-1/4"	12-1/4"	17-1/8"	18"	18"
48"		12-1/4"	12-1/4"	17-1/8"	18"	18"
54"		10-3/4"	10-3/4"	14-5/16"	18"	18"
70"		9-1/2"	9-1/2"	12-1/4"	17-1/8"	18"
72"		9-1/2"	9-1/2"	12-1/4"	17-1/8"	18"
84"		8-9/16"	8-9/16"	12-1/4"	17-1/8"	18"
24"	102"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		15"	15"	18"	18"	18"
42"		12-7/8"	12-7/8"	18"	18"	18"
48"		11-1/4"	11-1/4"	15"	18"	18"
54"		11-1/4"	11-1/4"	15"	18"	18"
60"		10"	10"	12-7/8"	18"	18"
70"		9"	9"	12-7/8"	18"	18"
72"		9"	9"	12-7/8"	18"	18"
24"	108"	18"	18"	18"	18"	18"
30"		16"	16"	18"	18"	18"
36"		13-11/16"	13-11/16"	18"	18"	18"
42"		13-11/16"	13-11/16"	16"	18"	18"
48"		12"	12"	16"	18"	18"
60"		9-5/8"	9-5/8"	13-11/16"	18"	18"
72"		8-3/4"	8-3/4"	12"	16"	18"
24"	114"	18"	18"	18"	18"	18"
30"		17"	17"	18"	18"	18"
36"		14-9/16"	14-9/16"	18"	18"	18"
48"		11-5/16"	11-5/16"	14-9/16"	18"	18"
60"		9-1/4"	9-1/4"	12-3/4"	17"	18"
72"		8-1/2"	8-1/2"	11-5/16"	14-9/16"	18"
24"	120"	18"	18"	18"	18"	18"
30"		18"	18"	18"	18"	18"
36"		13-1/2"	13-1/2"	18"	18"	18"
46.25"		12"	12"	18"	18"	18"
48"		10-13/16"	10-13/16"	15-7/16"	18"	18"
60"		9-13/16"	9-13/16"	13-1/2"	18"	18"
24"	126"	18"	18"	18"	18"	18"
30"		16-5/16"	16-5/16"	18"	18"	18"
36"		14-1/4"	14-1/4"	18"	18"	18"
42"		12-11/16"	12-11/16"	16-5/16"	18"	18"
48"		11-3/8"	11-3/8"	14-1/4"	18"	18"
54"		10-3/8"	10-3/8"	14-1/4"	18"	18"
60"		9-1/2"	9-1/2"	12-11/16"	16-5/16"	18"
24"	132"	18"	18"	18"	18"	18"
30"		17-1/8"	17-1/8"	18"	18"	18"
36"		15"	15"	18"	18"	18"
42"		12"	12"	17-1/8"	18"	18"
48"		10-15/16"	10-15/16"	15"	18"	18"
54"		10"	10"	13-5/16"	17-1/8"	18"
60"		9-1/4"	9-1/4"	12"	17-1/8"	18"
24"	138"	18"	18"	18"	18"	18"
30"		15-3/4"	15-3/4"	18"	18"	18"
36"		14"	14"	18"	18"	18"
42"		12-5/8"	12-5/8"	15-3/4"	18"	18"
48"		11-7/16"	11-7/16"	14"	18"	18"
60"		9"	9"	12-5/8"	15-3/4"	18"
24"	144"	18"	18"	18"	18"	18"
30"		16-1/2"	16-1/2"	18"	18"	18"
36"		14-11/16"	14-11/16"	18"	18"	18"
42"		12"	12"	16-1/2"	18"	18"
48"		11"	11"	14-11/16"	18"	18"
58.25"		9-7/16"	9-7/16"	12"	16-1/2"	18"



Commercial
Architectural Products

CGI WINDOWS AND DOORS, INC.
3780 W. 104TH ST
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(305) 593-6590

PREPARED BY: A. LYNN MILLER
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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

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

Rev. Description

Rev. Title

Drawn By

J ROSOWSKI

MD-3500-2-LM

03/23/16

8 OF 16

NTS

SS-3500

TABLE 6

STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

NTS

8 OF 16

MD-3500-2-LM

J ROSOWSKI

03/23/16

Rev. Description

Rev. Title

Drawn By

J ROSOWSKI

MD-3500-2-LM

03/23/16

8 OF 16

NTS

SS-3500

TABLE 6

STOREFRONT WINDOW SYSTEM DETAILS - LM

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8 OF 16

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J ROSOWSKI

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Rev. Description

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03/23/16

8 OF 16

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STOREFRONT WINDOW SYSTEM DETAILS - LM

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8 OF 16

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8 OF 16

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SS-3500

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STOREFRONT WINDOW SYSTEM DETAILS - LM

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NTS

8 OF 16

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J ROSOWSKI

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Rev. Description

Rev. Title

Drawn By

J ROSOWSKI

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03/23/16

8 OF 16

NTS

SS-3500

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STOREFRONT WINDOW SYSTEM DETAILS - LM

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8 OF 16

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J ROSOWSKI

03/23/16

Rev. Description

Rev. Title

Drawn By

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MD-3500-2-LM

03/23/16

8 OF 16

NTS

SS-3500

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STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

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8 OF 16

MD-3500-2-LM

J ROSOWSKI

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Rev. Description

Rev. Title

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MD-3500-2-LM

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8 OF 16

NTS

SS-3500

TABLE 6

STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

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8 OF 16

MD-3500-2-LM

J ROSOWSKI

03/23/16

Rev. Description

Rev. Title

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J ROSOWSKI

MD-3500-2-LM

03/23/16

8 OF 16

NTS

SS-3500

TABLE 6

STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

NTS

8 OF 16

MD-3500-2-LM

J ROSOWSKI

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Rev. Description

Rev. Title

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03/23/16

8 OF 16

NTS

SS-3500

TABLE 6

STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

NTS

8 OF 16

MD-3500-2-LM

J ROSOWSKI

03/23/16

Rev. Description

Rev. Title

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MD-3500-2-LM

03/23/16

8 OF 16

NTS

SS-3500

TABLE 6

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SS-3500

NTS

8 OF 16

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03/23/16

8 OF 16

NTS

SS-3500

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NTS

8 OF 16

MD-3500-2-LM

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8 OF 16

NTS

SS-3500

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NTS

8 OF 16

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J ROSOWSKI

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8 OF 16

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STOREFRONT WINDOW SYSTEM DETAILS - LM

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NTS

8 OF 16

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8 OF 16

NTS

SS-3500

TABLE 6

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SS-3500

NTS

8 OF 16

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NTS

8 OF 16

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SS-3500

NTS

8 OF 16

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03/23/16

8 OF 16

NTS

SS-3500

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STOREFRONT WINDOW SYSTEM DETAILS - LM

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NTS

8 OF 16

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03/23/16

8 OF 16

NTS

SS-3500

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STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

NTS

8 OF 16

MD-3500-2-LM

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03/23/16

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03/23/16

8 OF 16

NTS

SS-3500

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STOREFRONT WINDOW SYSTEM DETAILS - LM

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NTS

8 OF 16

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8 OF 16

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8 OF 16

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8 OF 16

NTS

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STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

NTS

8 OF 16

MD-3500-2-LM

J ROSOWSKI

03/23/16

Rev. Description

Rev. Title

Drawn By

J ROSOWSKI

MD-3500-2-LM

03/23/16

8 OF 16

NTS

SS-3500

TABLE 6

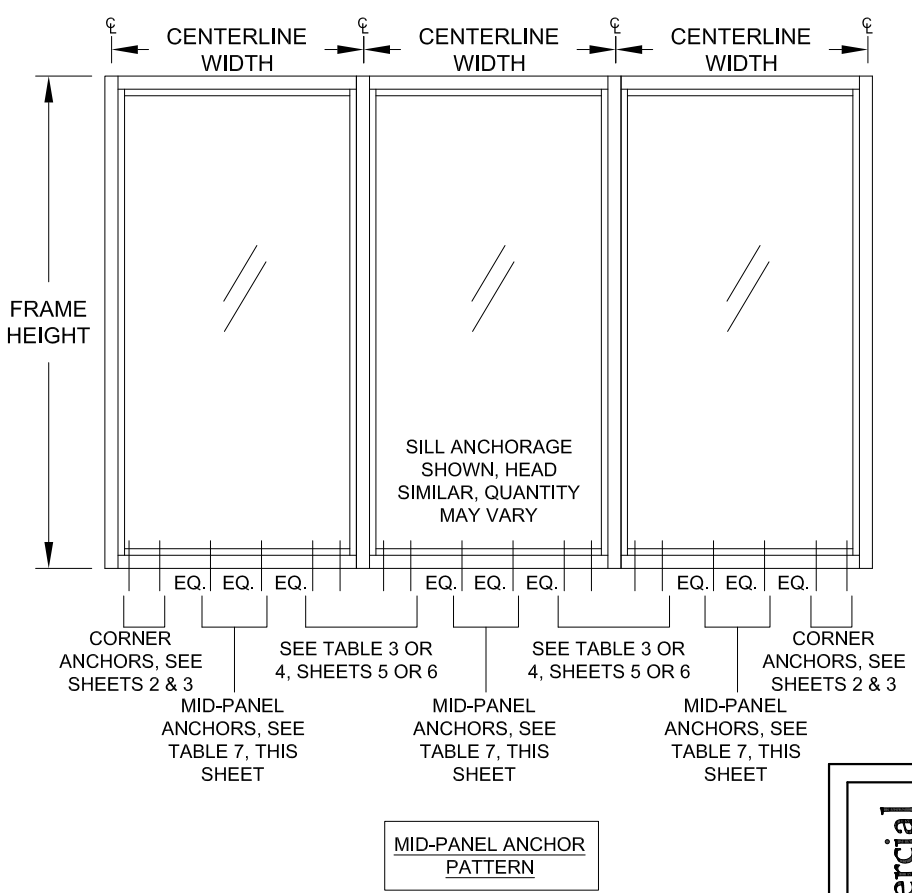
STOREFRONT WINDOW SYSTEM DETAILS - LM

SS-3500

TABLE 7:

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	Installed with Group "E" Anchors
Centerline Width	Frame Height					
24"	48"	1	1	1	1	1
36"		1	1	1	1	1
48"		2	2	2	2	1
60"		3	2	2	2	2
72"		4	3	3	3	3
84"		5	4	4	4	4
96"		5	5	5	5	5
108"		6	6	6	6	6
120"		7	6	6	6	6
132"		8	7	7	7	7
144"		9	8	8	8	8
24"	60"	1	1	1	1	1
36"		1	1	1	1	1
48"		2	2	2	2	1
60"		3	2	2	2	2
72"		4	3	3	3	3
84"		5	4	4	4	4
90"		6	4	4	4	4
92"		6	5	5	5	5
96"		6	5	5	5	5
108"		7	6	6	6	6
120"		8	6	6	6	6
132"	9	7	7	7	7	
24"	72"	1	1	1	1	1
36"		1	1	1	1	1
48"		2	2	2	2	1
60"		3	2	2	2	2
72"		4	3	3	3	3
84"		5	4	4	4	4
96"		7	5	5	5	5
108"		8	6	6	6	6
24"	78"	1	1	1	1	1
36"		1	1	1	1	1
48"		2	2	2	2	1
60"		3	2	2	2	2
70"		4	3	3	3	3
72"		4	3	3	3	3
84"		5	4	4	4	4
92"		6	5	5	5	5
96"		7	5	5	5	5
102"		7	6	6	5	5
24"		84"	1	1	1	1
36"	1		1	1	1	1
48"	2		2	2	2	1
54"	3		2	2	2	2
60"	3		2	2	2	2
70"	4		3	3	3	3
72"	4		3	3	3	3
84"	5		4	4	4	4
96"	7		5	5	5	5
24"	90"	1	1	1	1	1
36"		1	1	1	1	1
42"		2	1	1	1	1
48"		2	2	2	2	1
54"		3	2	2	2	2
60"		3	2	2	2	2
72"		4	3	3	3	3
84"		5	4	4	4	4
92"		6	5	5	5	5

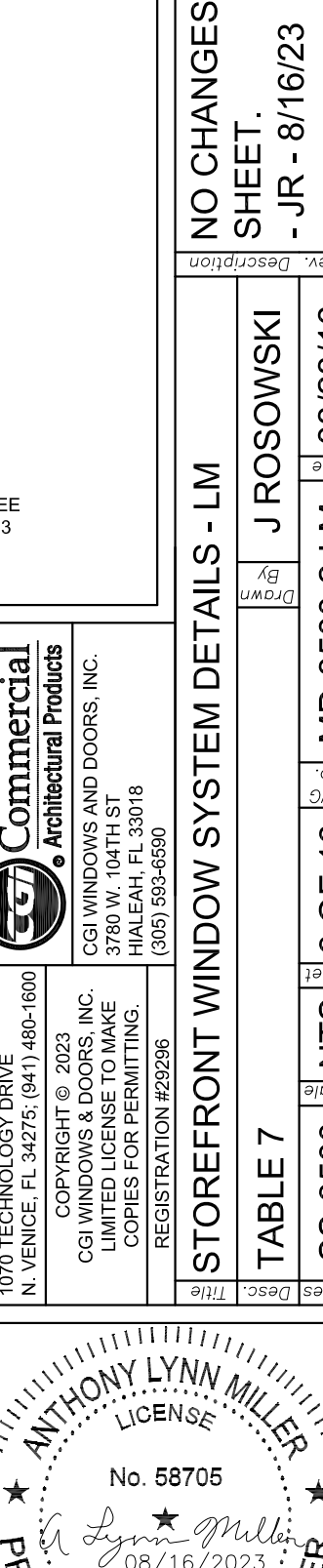
Mid-Panel Anchor Quantity				Shim Thickness = 1/4"		
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	Installed with Group "E" Anchors
Centerline Width	Frame Height					
24"	97-3/4"	1	1	1	1	1
36"		1	1	1	1	1
42"		2	1	1	1	1
48"		2	2	2	2	1
54"		3	2	2	2	2
76"		4	3	3	3	3
72"		4	3	3	3	3
84"		5	4	4	4	4
24"	102"	1	1	1	1	1
30"		1	1	1	1	1
36"		1	1	1	1	1
42"		2	1	1	1	1
48"		2	2	2	2	1
54"		3	2	2	2	2
60"		3	2	2	2	2
70"		4	3	3	3	3
72"		4	3	3	3	3
24"	108"	1	1	1	1	1
30"		1	1	1	1	1
36"		1	1	1	1	1
42"		2	1	1	1	1
48"		2	2	2	2	1
60"		3	2	2	2	2
72"		4	3	3	3	3
24"	114"	1	1	1	1	1
30"		1	1	1	1	1
36"		1	1	1	1	1
48"		2	2	2	2	1
60"		3	2	2	2	2
72"		4	3	3	3	3
24"		120"	1	1	1	1
30"	1		1	1	1	1
36"	1		1	1	1	1
46.25"	2		1	1	1	1
48"	2		2	2	2	1
60"	3		2	2	2	2
24"	126"		1	1	1	1
30"		1	1	1	1	1
36"		1	1	1	1	1
42"		2	1	1	1	1
48"		2	2	2	2	1
54"		3	2	2	2	2
60"		3	2	2	2	2
24"	132"	1	1	1	1	1
30"		1	1	1	1	1
36"		1	1	1	1	1
42"		2	1	1	1	1
48"		2	2	2	2	1
54"		3	2	2	2	2
60"		3	2	2	2	2
24"	138"	1	1	1	1	1
30"		1	1	1	1	1
36"		1	1	1	1	1
42"		2	1	1	1	1
48"		2	2	2	2	1
60"		3	2	2	2	2
24"		144"	1	1	1	1
30"	1		1	1	1	1
36"	1		1	1	1	1
42"	2		1	1	1	1
48"	2		2	2	2	1
58.25"	3		2	2	2	2



NOTES:

1. MID-PANEL ANCHORS TO BE EQUALLY SPACED, +/- 1/2".

 Commercial Architectural Products		CGI WINDOWS AND DOORS, INC. 3780 W. 104TH ST 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. REGISTRATION #29296	
STOREFRONT WINDOW SYSTEM DETAILS - LM			
TABLE 7		Drawn By J ROSOWSKI	Date 03/23/16
Series SS-3500	Scale NTS	Sheet 9 OF 16	DWG No. MD-3500-2-LM
Rev. Description			Rev. Description
NO CHANGES THIS SHEET.			- JR - 8/16/23
D			Rev.



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

TABLE 8:

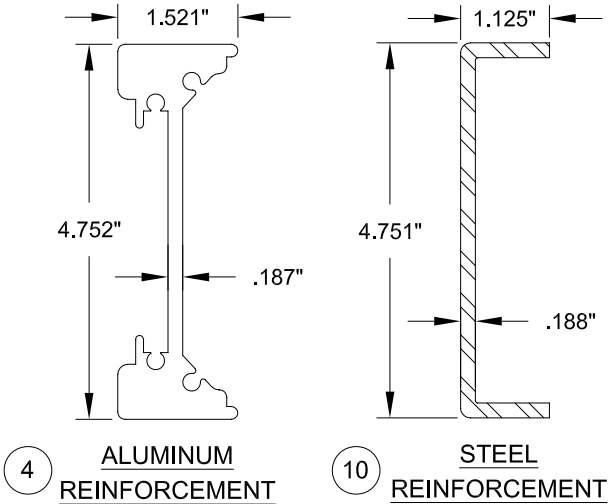
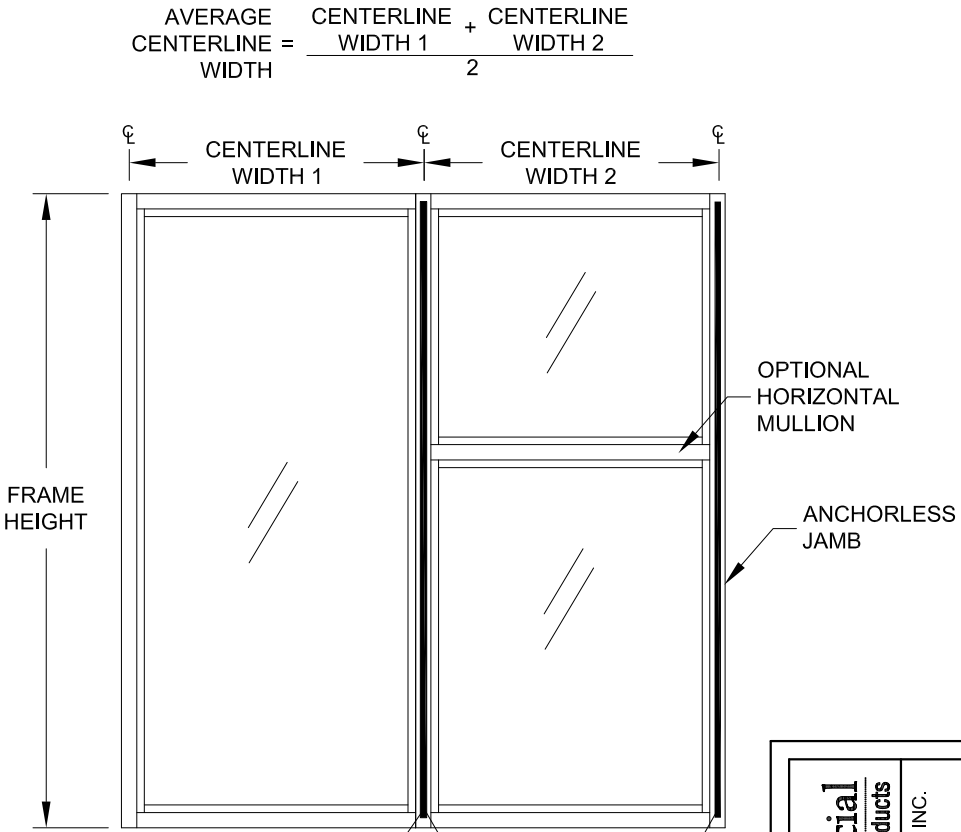
Mid-Panel Anchor Quantity							Shim Thickness = 1/2"					
Nominal Dim.		Installed with Group "A" Anchors	Installed with Group "B" Anchors	Installed with Group "C" Anchors	Installed with Group "D" Anchors	Installed with Group "E" Anchors						
Centerline Width	Frame Height											
24"	48"	1	1	1	1	1						
36"		2	2	2	1	1						
48"		3	3	2	2	1						
60"		4	4	3	3	2						
72"		6	6	4	3	3						
84"		7	7	5	4	4						
96"		8	8	6	5	5						
108"		9	9	7	6	6						
120"		11	11	8	6	6						
132"		12	12	9	7	7						
144"		13	13	10	8	8						
24"	60"	1	1	1	1	1						
36"		2	2	2	1	1						
48"		3	3	2	2	1						
60"		4	4	3	3	2						
72"		6	6	5	4	3						
84"		8	8	6	5	4						
90"		8	8	6	5	4						
92"		9	9	6	5	5						
96"		9	9	7	5	5						
108"		11	11	8	6	6						
120"		12	12	9	7	6						
132"		14	14	10	8	7						
24"	72"	1	1	1	1	1						
36"		2	2	2	1	1						
48"		3	3	2	2	1						
60"		4	4	3	3	2						
72"		6	6	5	4	3						
84"		8	8	6	5	4						
96"		10	10	7	6	5						
108"		12	12	9	7	6						
24"	78"	1	1	1	1	1						
36"		2	2	2	1	1						
48"		3	3	2	2	1						
60"		4	4	3	3	2						
70"		6	6	4	4	3						
72"		6	6	5	4	3						
84"		8	8	6	5	4						
92"		10	10	7	6	5						
96"		10	10	8	6	5						
102"		11	11	8	7	5						
24"	84"	1	1	1	1	1						
36"		2	2	2	1	1						
48"		3	3	2	2	1						
54"		4	4	3	2	2						
60"		4	4	3	3	2						
70"		6	6	4	4	3						
72"		6	6	5	4	3						
84"		8	8	6	5	4						
96"	90"	10	10	8	6	5						
24"		1	1	1	1	1						
36"		2	2	2	1	1						
42"		2	2	2	2	1						
48"		3	3	2	2	1						
54"		4	4	3	2	2						
60"		4	4	3	3	2						
72"		6	6	5	4	3						
84"		8	8	6	5	4						
92"		10	10	7	6	5						

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	Installed with Group "E" Anchors
Centerline Width	Frame Height					
24"	97-3/4"	1	1	1	1	1
36"		2	2	2	1	1
42"		2	2	2	2	1
48"		3	3	2	2	1
54"		4	4	3	2	2
70"		6	6	4	4	3
72"		6	6	5	4	3
84"		8	8	6	5	4
24"	102"	1	1	1	1	1
30"		1	1	1	1	1
36"		2	2	2	1	1
42"		2	2	2	2	1
48"		3	3	2	2	1
54"		4	4	3	2	2
60"		4	4	3	3	2
70"		6	6	4	4	3
72"	6	6	5	4	3	
24"	108"	1	1	1	1	1
30"		1	1	1	1	1
36"		2	2	2	1	1
42"		2	2	2	2	1
48"		3	3	2	2	1
60"		4	4	3	3	2
72"		6	6	5	4	3
24"		114"	1	1	1	1
30"	1		1	1	1	1
36"	2		2	2	1	1
48"	3		3	2	2	1
60"	4		4	3	3	2
72"	6		6	5	4	3
24"	120"	1	1	1	1	1
30"		1	1	1	1	1
36"		2	2	2	1	1
46.25"		2	2	2	2	1
48"		3	3	2	2	1
60"		4	4	3	3	2
24"	126"	1	1	1	1	1
30"		1	1	1	1	1
36"		2	2	2	1	1
42"		2	2	2	2	1
48"		3	3	2	2	1
54"		4	4	3	2	2
60"		4	4	3	3	2
24"		132"	1	1	1	1
30"	1		1	1	1	1
36"	2		2	2	1	1
42"	2		2	2	2	1
48"	3		3	2	2	1
54"	4		4	3	2	2
60"	4		4	3	3	2
24"	138"	1	1	1	1	1
30"		1	1	1	1	1
36"		2	2	2	1	1
42"		2	2	2	2	1
48"		3	3	2	2	1
60"		4	4	3	3	2
24"	144"	1	1	1	1	1
30"		1	1	1	1	1
36"		2	2	2	1	1
42"		2	2	2	2	1
48"		3	3	2	2	1
58.25"		4	4	3	3	2

TABLE 9:

Maximum Vertical Mullion Design Pressure, (psf)					Anchorless Jamb Design Pressure, (psf)	
Average Centerline Width	Frame Height	No Reinforcement	Alum. Reinforcement (part #4)	Steel Reinforcement (part #10)	No Reinforcement	Steel Reinforcement (part #10)
24"	48"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
48"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
60"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
72"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
84"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
96"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
108"			+90/-100	+90/-120	+60/-75	+90/-100
120"			+90/-100	+90/-120		+90/-100
132"				+90/-100		+60/-65
144"				+90/-100		+60/-65
24"	60"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
48"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
60"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
72"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
84"			+90/-100	+90/-120	+60/-75	+90/-100
90"			+90/-100	+90/-120	+60/-75	+90/-100
92"			+90/-100	+90/-120	+60/-75	+90/-100
96"			+90/-100	+90/-120		+90/-100
108"				+90/-100		+60/-65
120"				+90/-100		+60/-65
132"				+60/-65		+60/-65
24"	72"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
48"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
60"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
72"			+90/-100	+90/-120	+60/-75	+90/-100
84"				+90/-100		+60/-65
96"				+90/-100		+60/-65
108"				+60/-65		+60/-65
24"	78"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
48"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
60"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
70"			+90/-100	+90/-120	+60/-75	+90/-100
72"			+90/-100	+90/-120		+90/-100
84"				+90/-100		+60/-65
92"				+90/-100		+60/-65
96"				+60/-65		+60/-65
102"				+60/-65		+60/-65
24"	84"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
48"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
54"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
60"			+90/-100	+90/-120	+60/-75	+90/-100
70"				+90/-100		+60/-65
72"				+90/-100		+60/-65
84"				+90/-100		+60/-65
96"				+60/-65		+60/-65
24"	90"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
42"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
48"		+89.4/-89.4	+90/-100	+90/-120	+60/-75	+90/-100
54"			+90/-100	+90/-120	+60/-75	+90/-100
60"			+90/-100	+90/-120	+60/-75	+90/-100
72"				+90/-100		+60/-65
84"				+60/-65		+60/-65
92"				+60/-65		+60/-65

Maximum Vertical Mullion Design Pressure, (psf)					Anchorless Jamb Design Pressure, (psf)	
Average Centerline Width	Frame Height	No Reinforcement	Alum. Reinforcement (part #4)	Steel Reinforcement (part #10)	No Reinforcement	Steel Reinforcement (part #10)
24"	97-3/4"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
42"		+87.9/-87.9	+90/-100	+90/-120	+60/-75	+90/-100
48"		+80/-80	+90/-100	+90/-120	+60/-75	+90/-100
54"			+90/-100	+90/-120	+60/-75	+90/-100
70"				+90/-100		+60/-65
72"				+90/-100		+60/-65
84"				+60/-65		+60/-65
24"	102"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
30"		+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
36"		+88.3/-88.3	+90/-100	+90/-120	+60/-75	+90/-100
42"		+77.1/-77.1	+90/-100	+90/-120	+60/-75	+90/-100
48"			+90/-100	+90/-120	+60/-75	+90/-100
54"			+90/-100	+90/-120	+60/-75	+90/-100
60"				+90/-100		+60/-65
70"				+90/-100		+60/-65
72"				+60/-65		+60/-65
24"	108"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
30"		+87.5/-87.5	+90/-100	+90/-120	+60/-75	+90/-100
36"		+74/-74	+90/-100	+90/-120	+60/-75	+90/-100
42"		+64.5/-64.5	+90/-100	+90/-120	+60/-75	+90/-100
48"			+90/-100	+90/-120	+60/-75	+90/-100
60"				+90/-100		+60/-65
72"				+60/-65		+60/-65
24"	114"	+90/-90	+90/-100	+90/-120	+60/-75	+90/-100
30"		+74.2/-74.2	+90/-100	+90/-120	+60/-75	+90/-100
36"		+62.6/-62.6	+90/-100	+90/-120	+60/-75	+90/-100
48"			+90/-100	+90/-120	+60/-75	+90/-100
60"				+90/-100		+60/-65
72"				+60/-65		+60/-65
24"	120"	+78.5/-78.5	+90/-100	+90/-120	+60/-75	+90/-100
30"		+63.4/-63.4	+90/-100	+90/-120	+60/-75	+90/-100
36"		+53.5/-53.5	+90/-100	+90/-120	+60/-75	+90/-100
46.25"			+90/-100	+90/-120	+60/-75	+90/-100
48"			+90/-100	+90/-120		+90/-100
60"				+90/-100		+60/-65
24"	126"	+67.7/-67.7	+90/-100	+90/-120		+60/-65
30"		+54.6/-54.6	+90/-100	+90/-120		+60/-65
36"		+46/-46	+90/-100	+90/-120		+60/-65
42"		+87.1/-96.8		+90/-116.5		+60/-65
48"				+90/-100		+60/-65
54"				+84/-93.4		+60/-65
60"				+60/-65		+60/-65
24"	132"	+58.8/-58.8	+90/-100	+90/-120		+60/-65
30"		+47.4/-47.4	+90/-100	+90/-120		+60/-65
36"			+87.1/-96.7	+90/-116.4		+60/-65
42"			+75.4/-83.8	+90/-100.9		+60/-65
48"				+80.5/-89.4		+60/-65
54"				+72.6/-80.6		+60/-65
60"				+60/-65		+60/-65
24"	138"	+51.4/-51.4	+90/-100	+90/-120		+60/-65
30"		+41.4/-41.4	+90/-100	+90/-120		+60/-65
36"			+76/-84.4	+90/-101.6		+60/-65
42"				+79.2/-88		+60/-65
48"				+70.1/-77.9		+60/-65
60"				+60/-65		+60/-65
24"	144"	+45.2/-45.2	+90/-100	+90/-120		+60/-65
30"		+36.4/-36.4	+79.5/-88.3	+90/-106.3		+60/-65
36"			+66.7/-74.1	+80.3/-89.3		+60/-65
42"				+69.5/-77.2		+60/-65
48"				+61.5/-68.3		+60/-65
58.25"				+60/-65		+60/-65



- NOTES:
- IF COMBINED WITH ANOTHER ASSEMBLY WITH A SEPARATE APPROVAL, (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.

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

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

Rev. Description

Rev. D

STOREFRONT WINDOW SYSTEM DETAILS - LM

TABLE 9

SS-3500

NTS

11 OF 16

Scale

Sheet

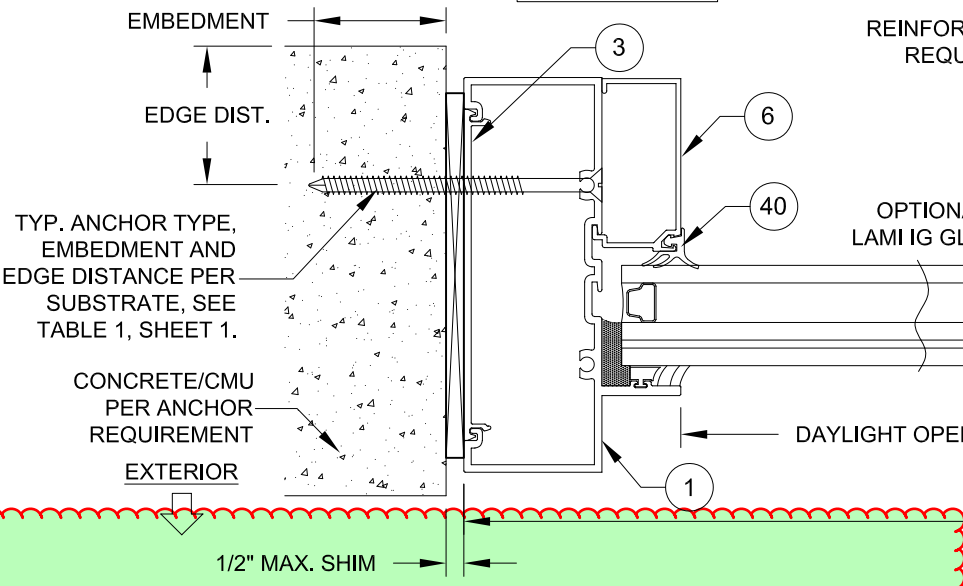
Drawn By J ROSOWSKI

Date 03/23/16

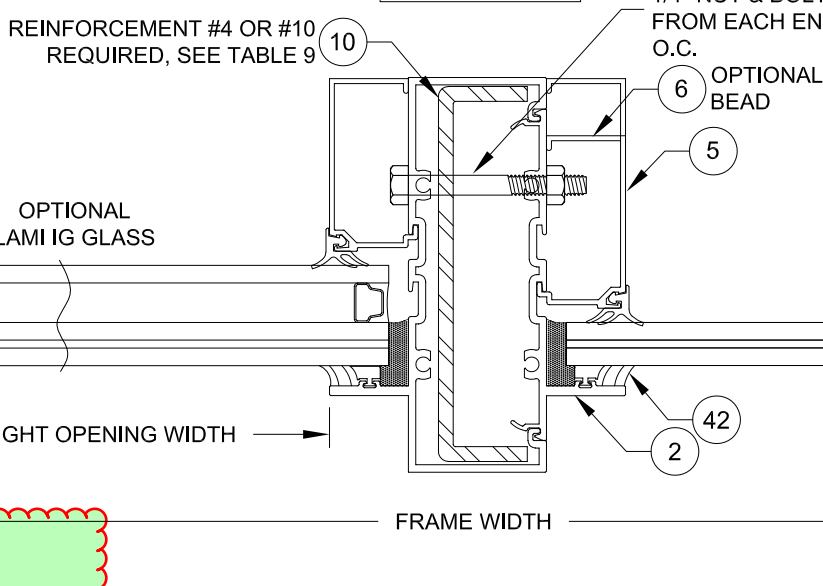
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Series Desc. Title

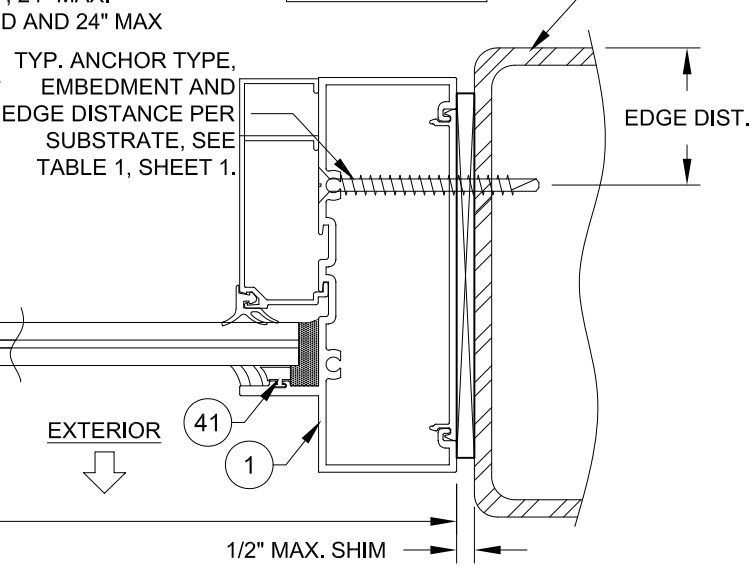
DETAIL A1
INTO MASONRY



DETAIL B
MULLION



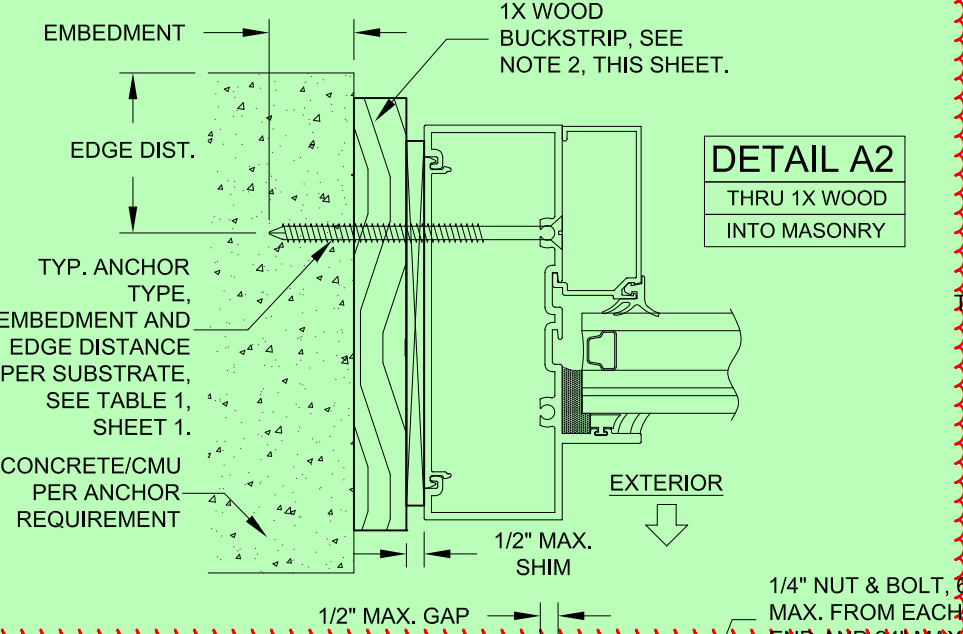
DETAIL C
INTO METAL



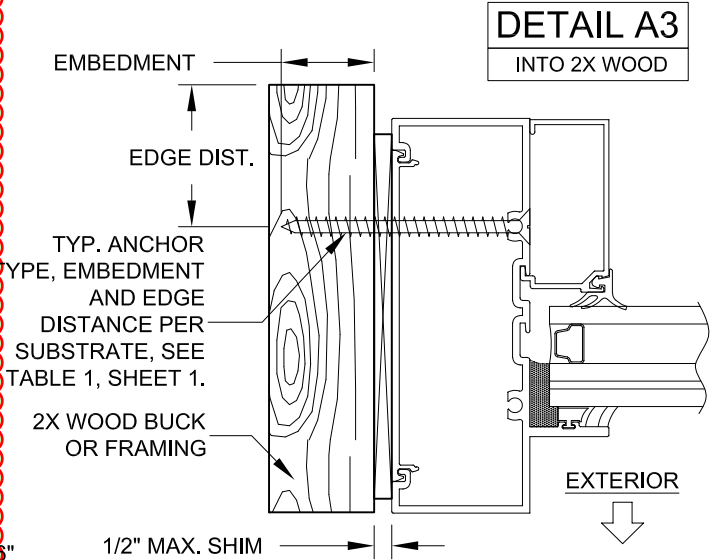
INSTALLATION NOTES:

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

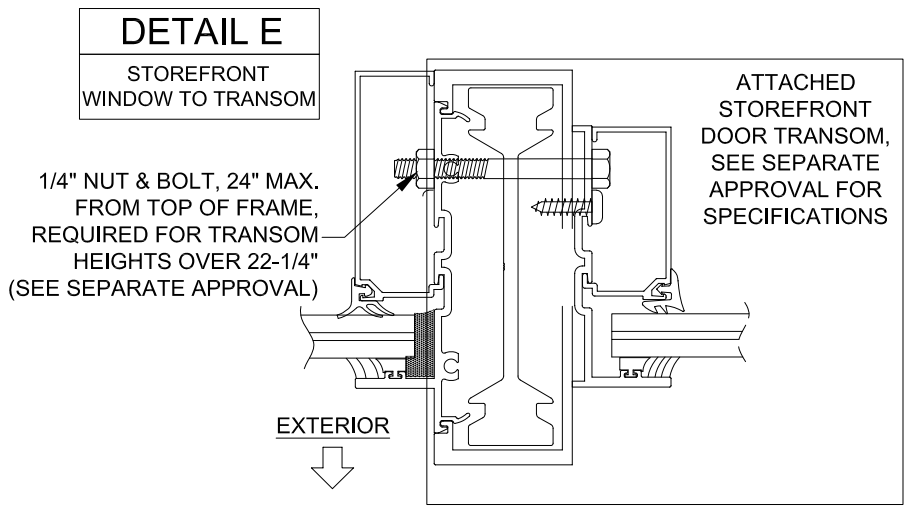
2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD 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 A2
THRU 1X WOOD
INTO MASONRY

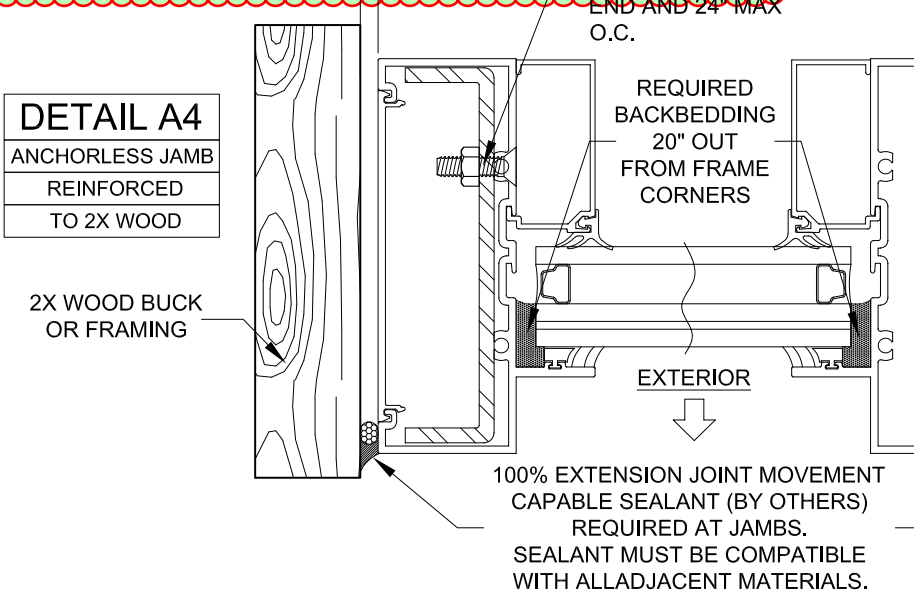


DETAIL A3
INTO 2X WOOD



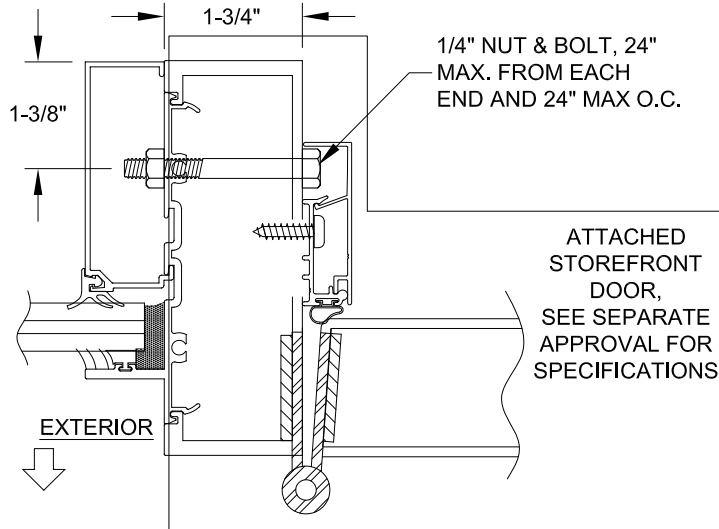
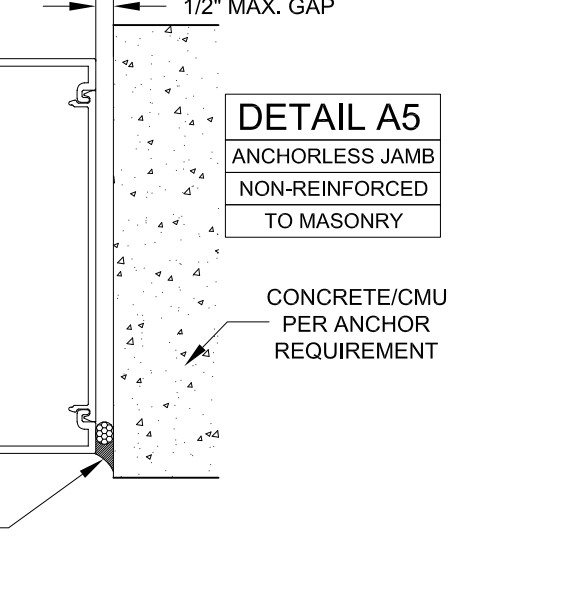
DETAIL E
STOREFRONT
WINDOW TO TRANSOM

DETAIL A4
ANCHORLESS JAMB
REINFORCED
TO 2X WOOD



100% EXTENSION JOINT MOVEMENT CAPABLE SEALANT (BY OTHERS) REQUIRED AT JAMBS. SEALANT MUST BE COMPATIBLE WITH ALL ADJACENT MATERIALS.

DETAIL A5
ANCHORLESS JAMB
NON-REINFORCED
TO MASONRY



DETAIL D
STOREFRONT
WINDOW TO DOOR

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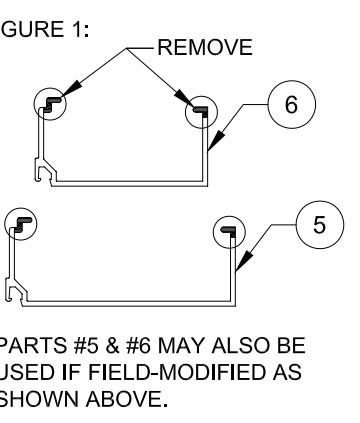
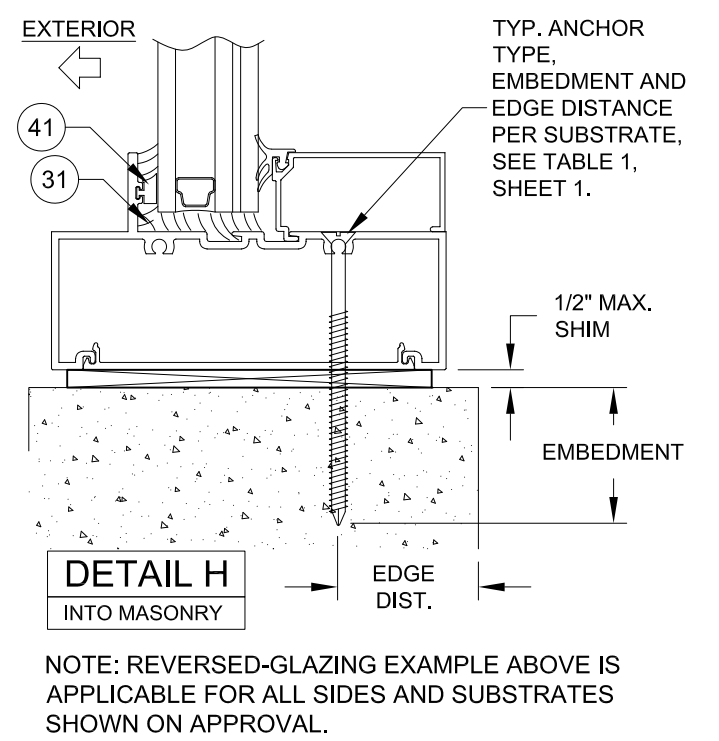
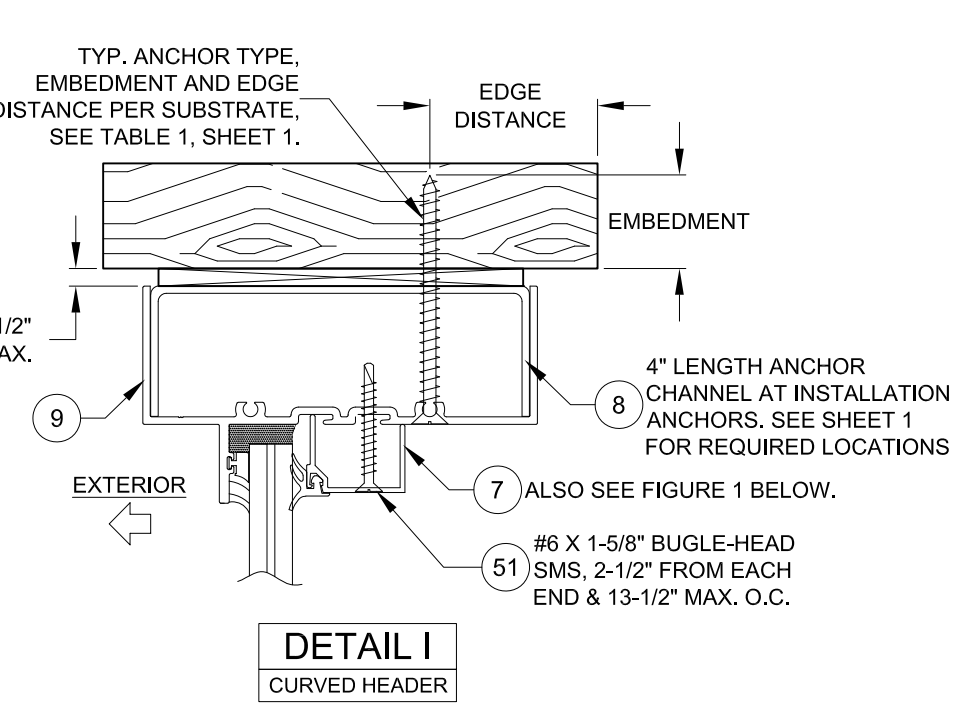
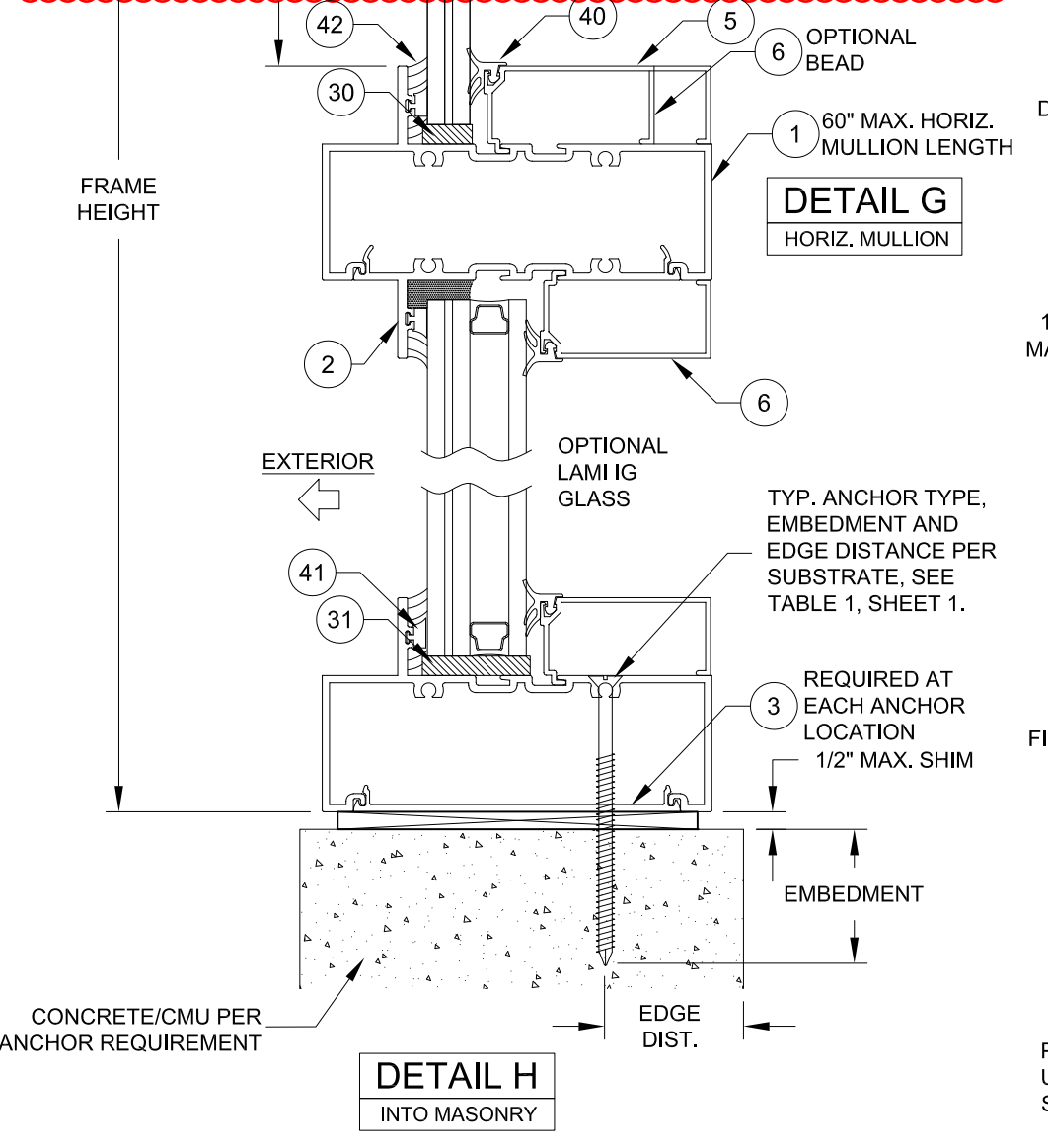
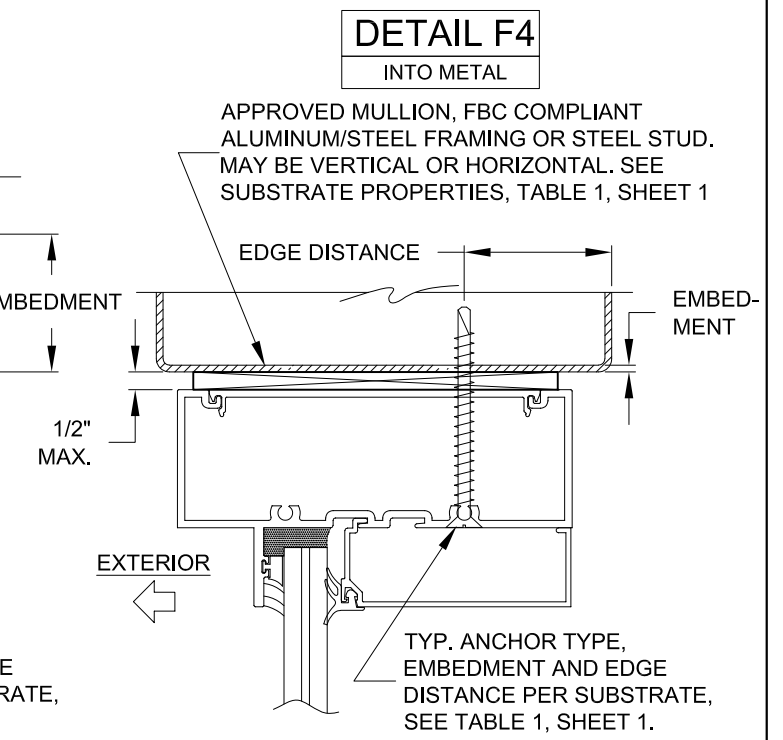
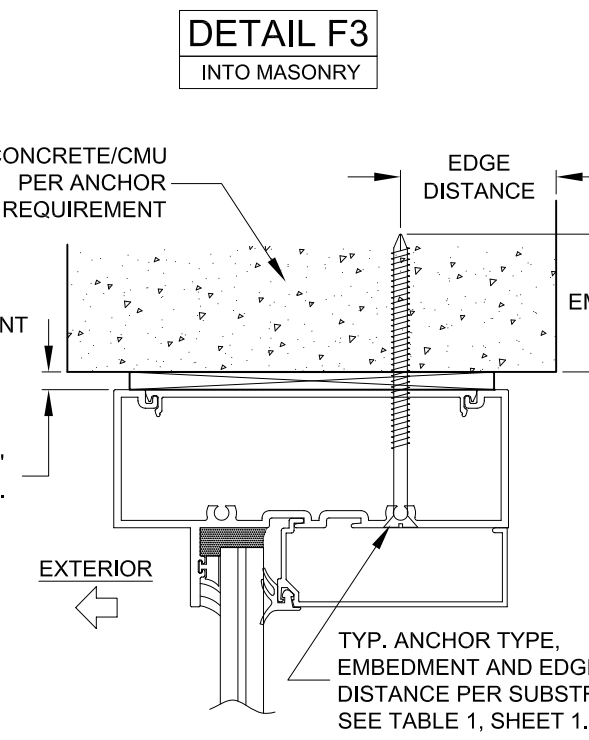
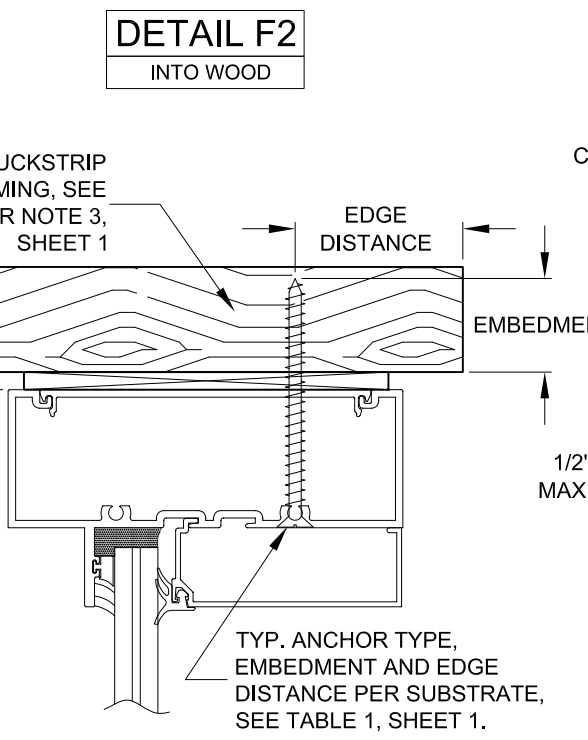
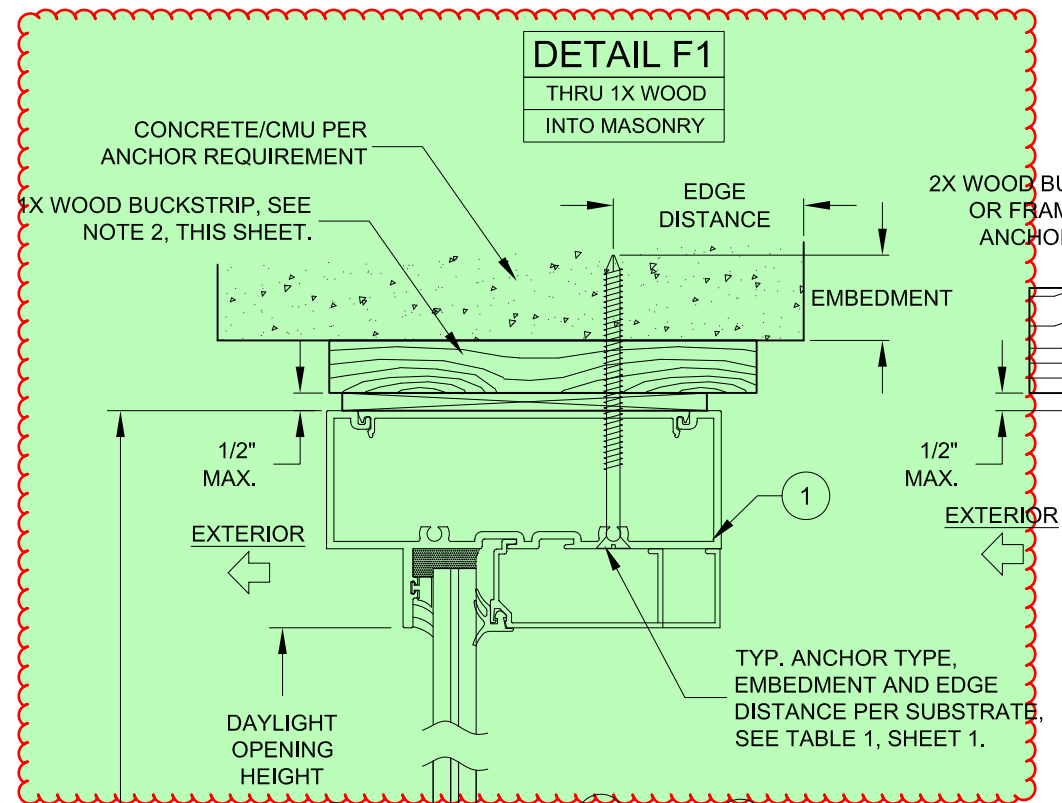
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Rev.	D
Rev. Description	CHANGED TITLE BLOCK. - JR - 8/16/23
Date	03/23/16
By	J ROSOWSKI
Drawn	J ROSOWSKI
Sheet	12 OF 16
Scale	NTS
Series	SS-3500
Title	STOREFRONT WINDOW SYSTEM DETAILS - LM HORIZONTAL X-SECTIONS



INSTALLATION NOTES:

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

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.

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P.E.# 58705

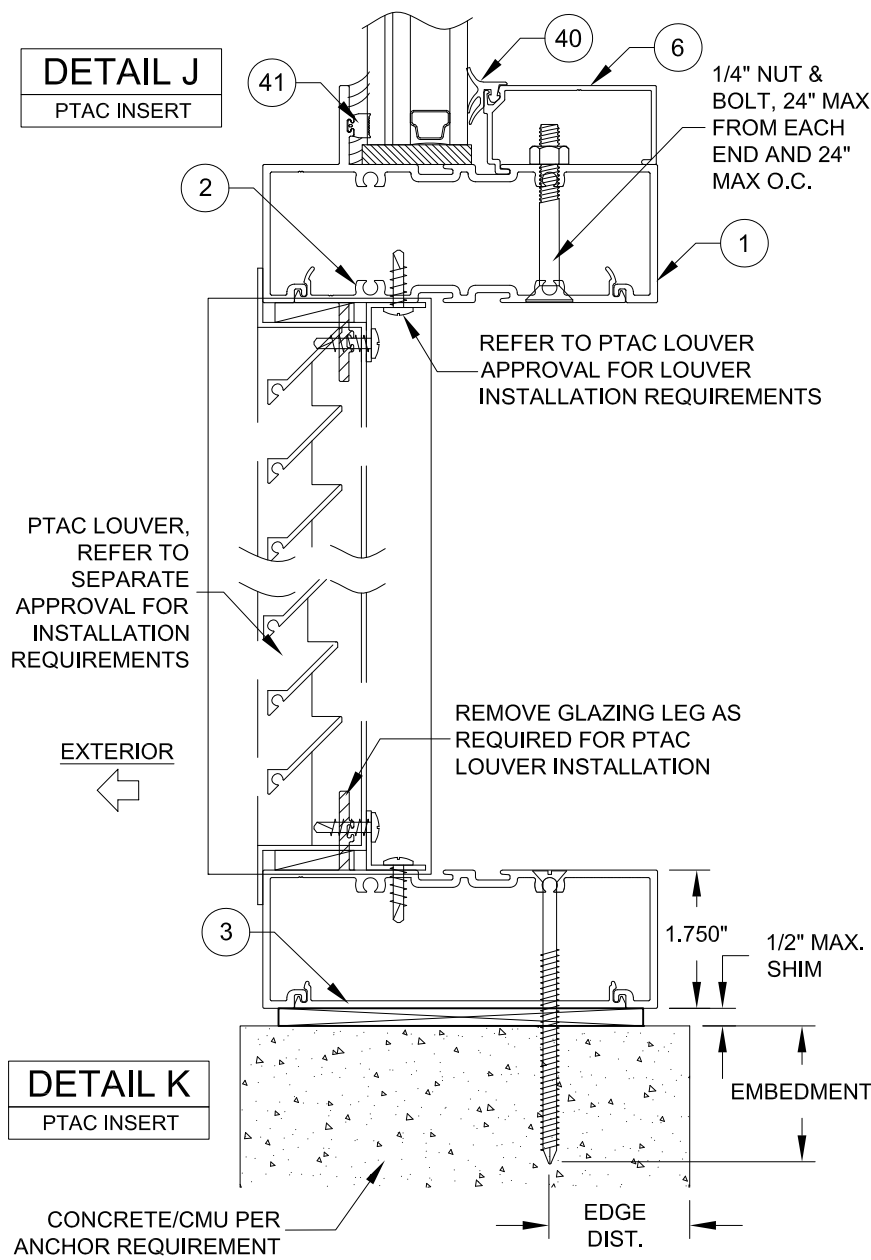
CHANGED TITLE BLOCK.
- JR - 8/16/23

Rev. Description
Date
By
J ROSOWSKI
03/23/16

Drawn
Date
No.
DWG
13 OF 16

Sheet
Scale
NTS

Series
Desc.
Title
SS-3500
VERTICAL X-SECTIONS
STOREFRONT WINDOW SYSTEM DETAILS - LM

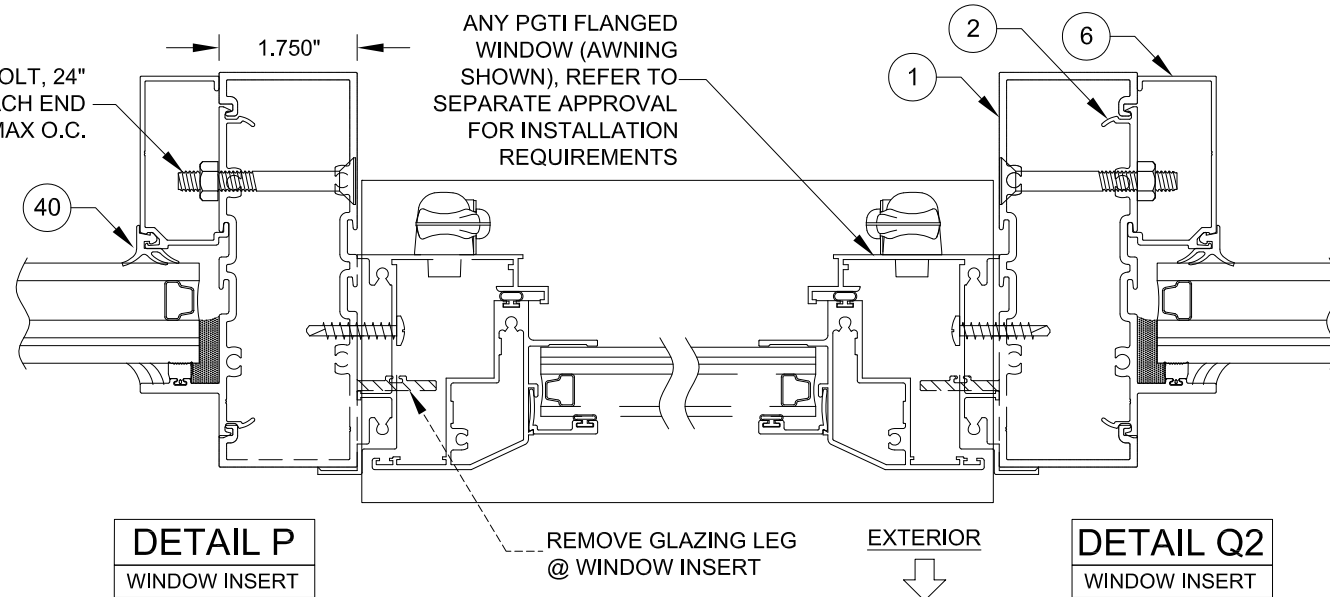
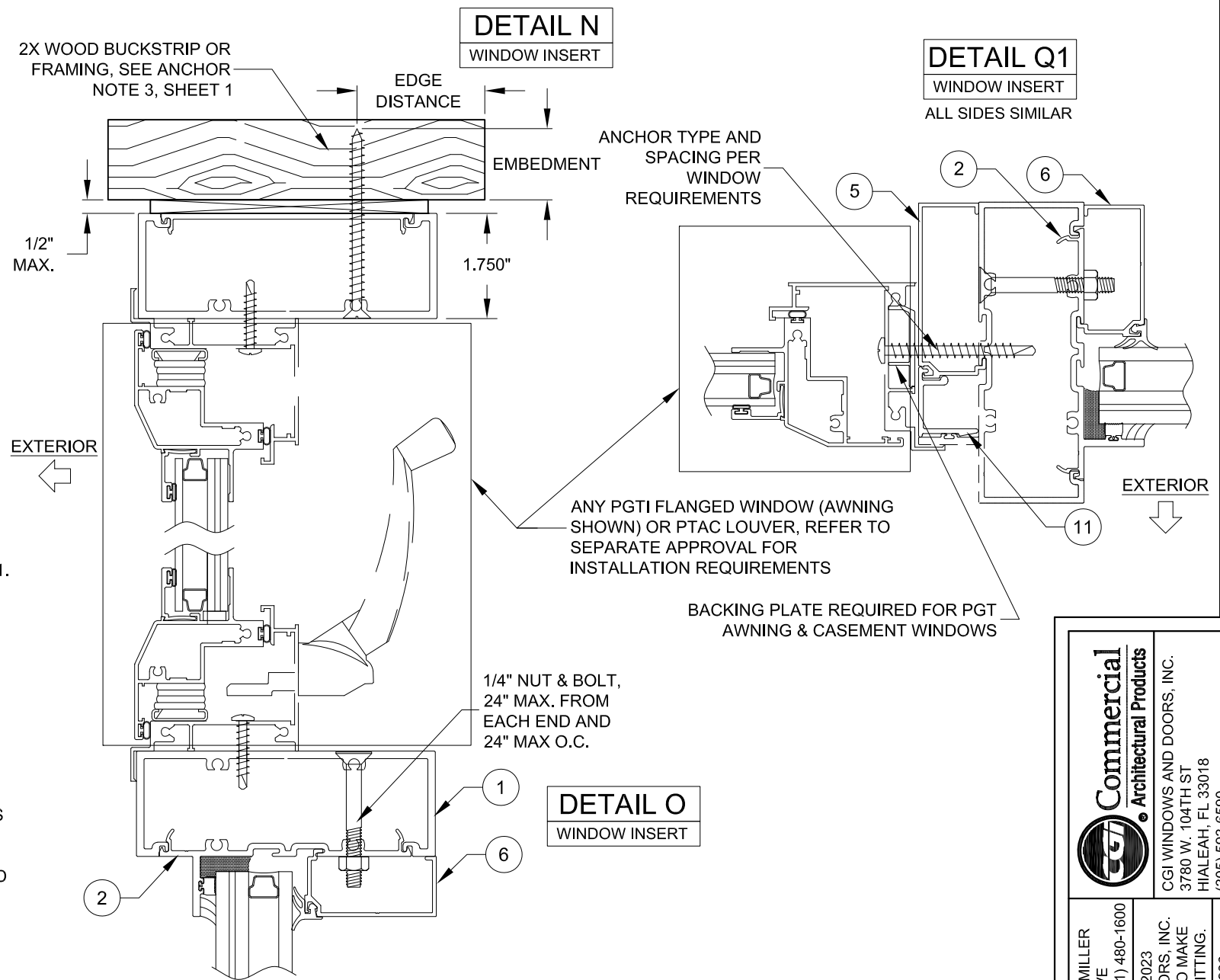
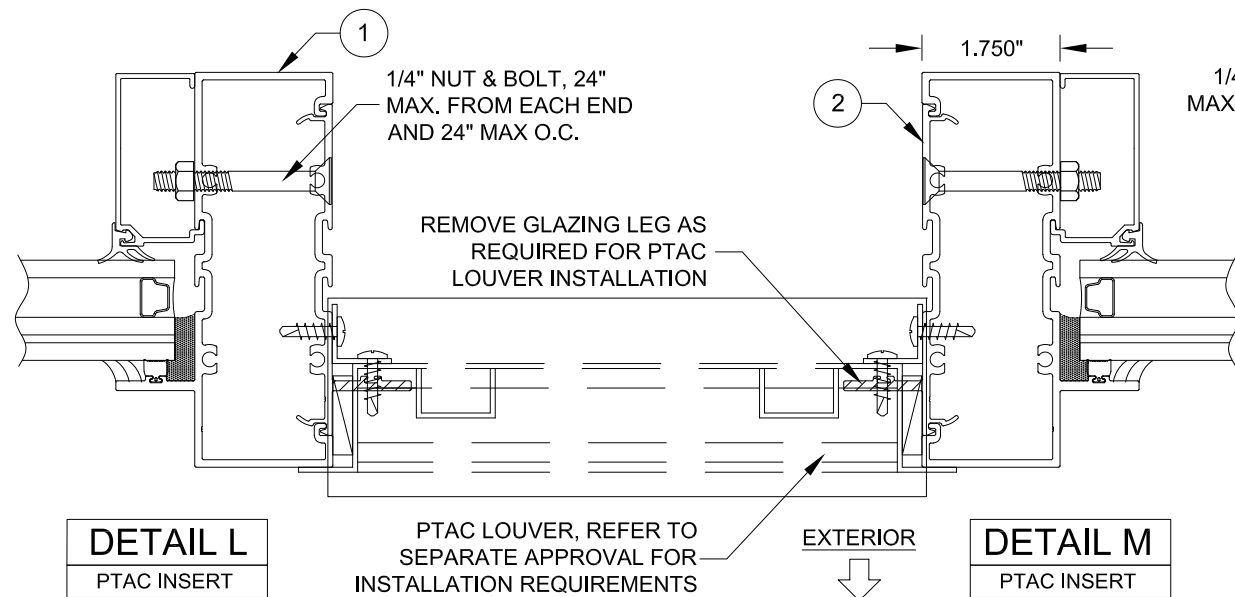


PTAC LOUVER & WINDOW INSERT NOTES:

1. REFER TO SEPARATE WINDOW APPROVAL FOR ALL WINDOW INSERT REQUIREMENTS AND INSTALLATION. AWNING WINDOW INSERT SHOWN BUT MAY BE ANY APPROVED PGTI WINDOW WITH A FLANGED FRAME. REFER TO PTAC LOUVER APPROVAL FOR ALL PTAC LOUVER REQUIREMENTS AND INSTALLATION.
2. 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.

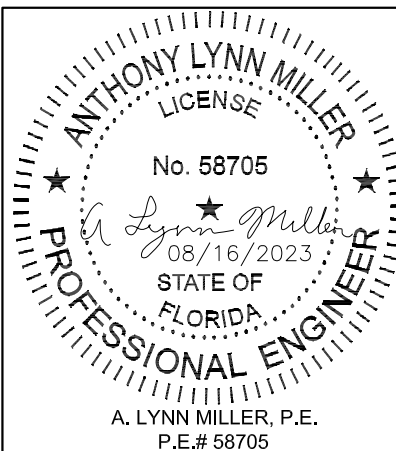
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ADDED DETAIL Q1.
- JR - 8/16/23

STOREFRONT WINDOW SYSTEM DETAILS - LM

INSERT DETAILS

J ROSOWSKI

03/23/16

MD-3500-2-LM

DWG

No.

14 OF 16

Sheet

NTS

Scale

SS-3500

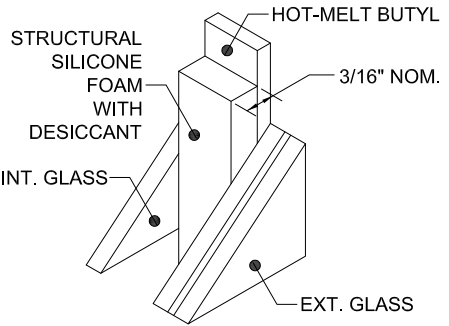
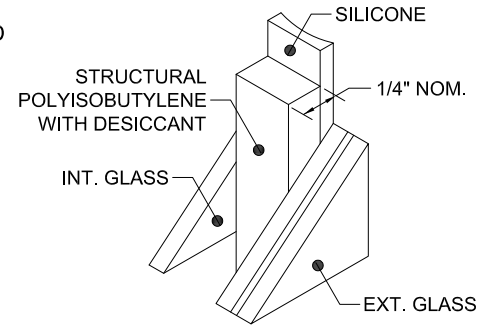
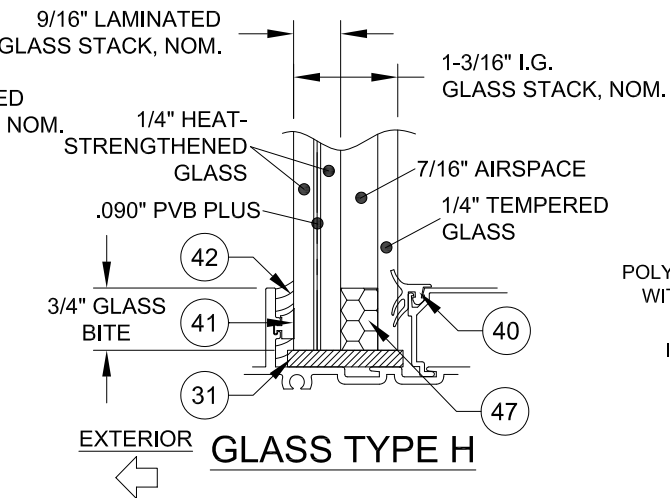
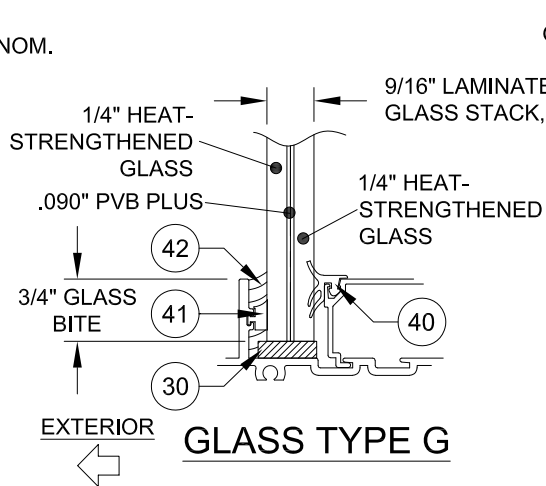
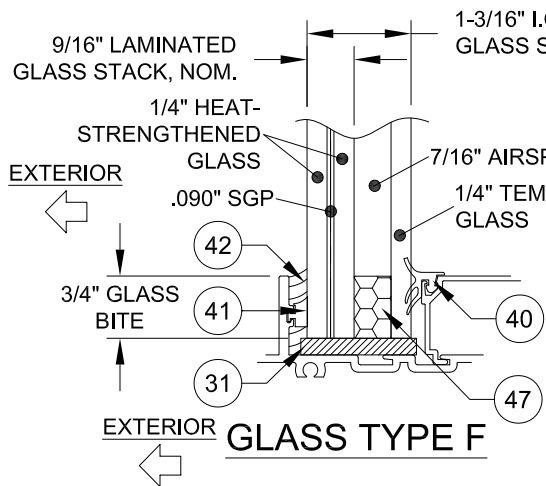
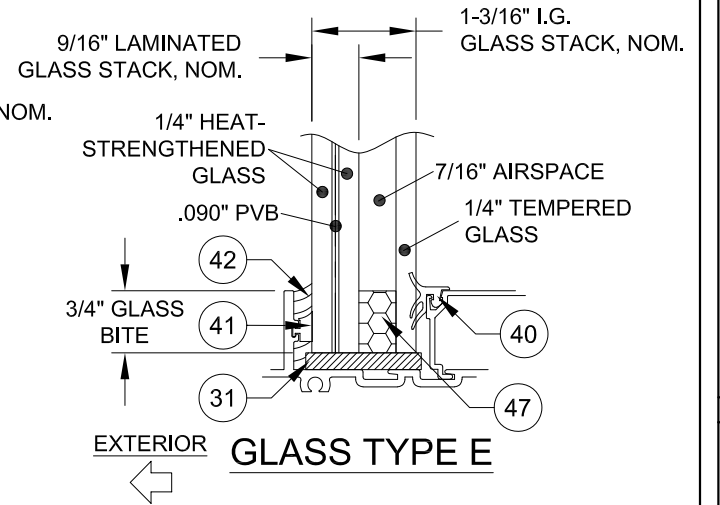
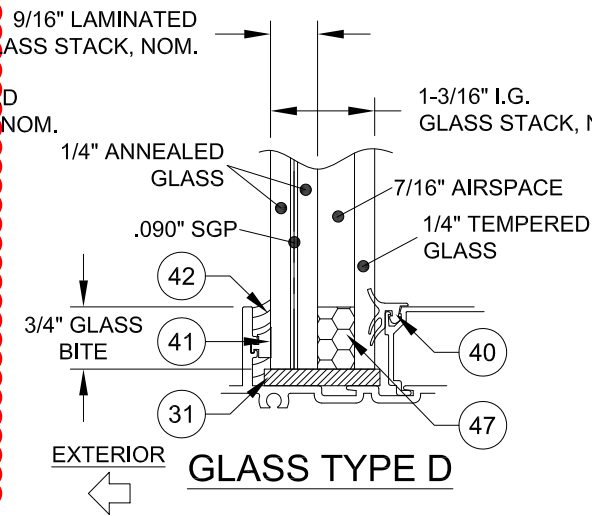
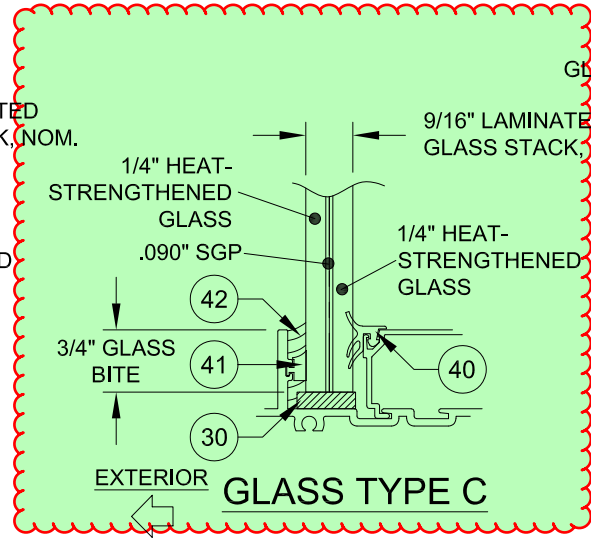
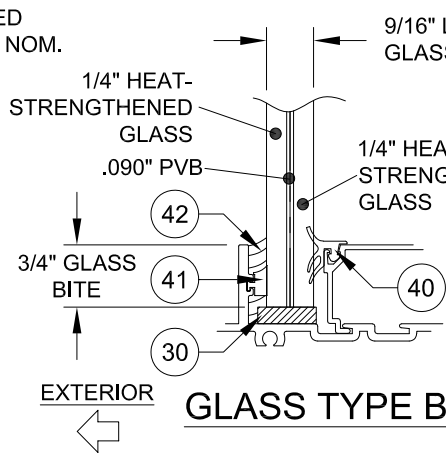
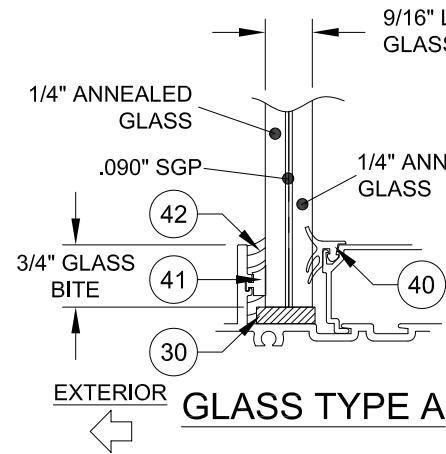
Series

Desc.

Title

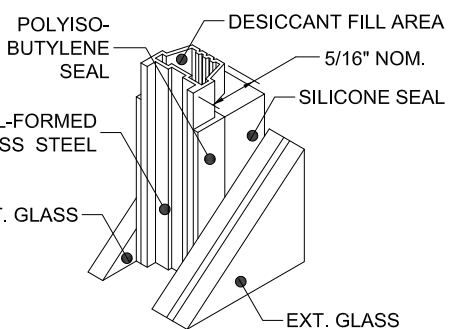
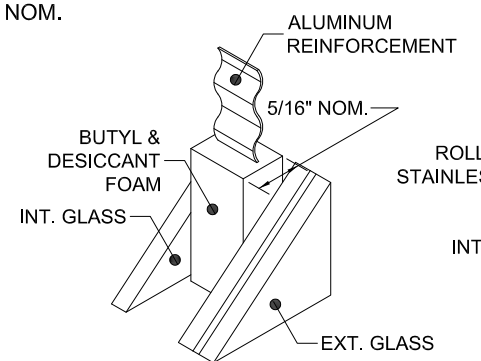
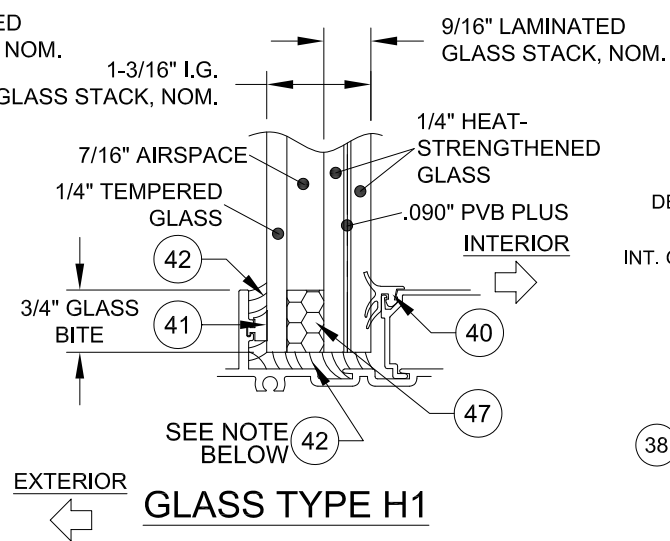
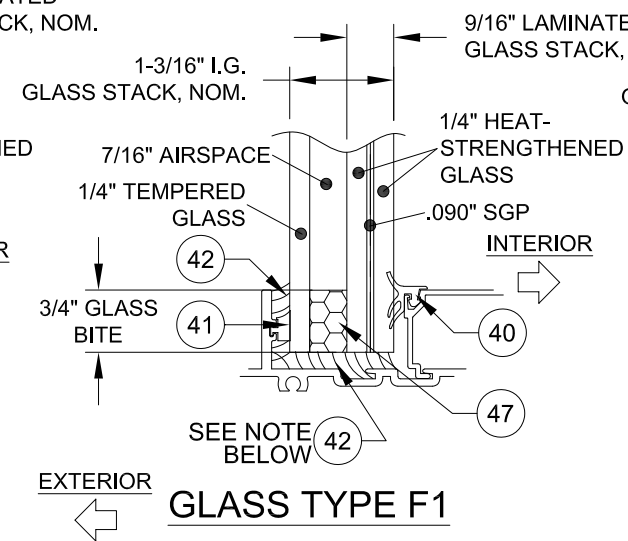
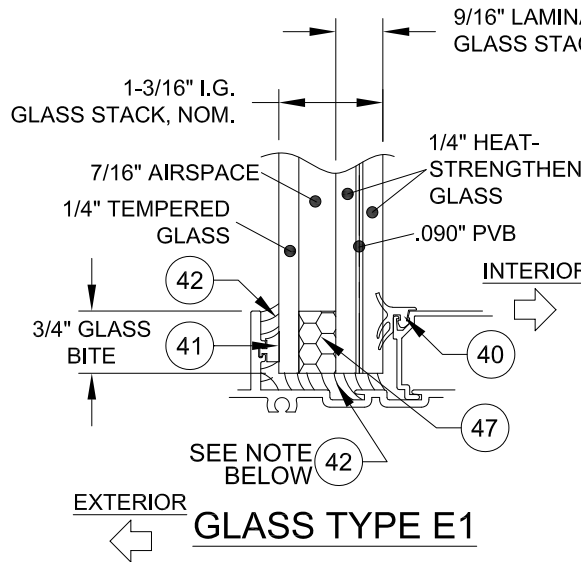
Rev.

D



36 KODISPACE® 4SG TPS

37 SUPER SPACER® NXT™



38 DURASEAL® SPACER

39 XL EDGE™ SPACER

NOTE: FOR REVERSED-GLAZING (E1, F1 & H1), ENTIRE PERIMETER OF GLASS EDGE TO HAVE BACKBEDDING. FOR CLARITY, SETTING BLOCKS ARE NOT SHOWN.

NOTES:
GLAZING FOR ALL GLASS TYPES MEETS ASTM E1300 FOR ALL APPROVED SIZES.

"PVB" = 0.090" TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.
"SG" = 0.090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

CGI WINDOWS AND DOORS, INC.
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PREPARED BY: A. LYNN MILLER
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A. LYNN MILLER, P.E.
P.E.# 58705

Rev.	D
Rev. Description	ADDED GLASS TYPES G, H & H1. - JR - 8/16/23
Drawn By	J ROSOWSKI
Date	03/23/16
DWG No.	MD-3500-2-LM
Sheet	15 OF 16
Scale	NTS
Series	SS-3500
STOREFRONT WINDOW SYSTEM DETAILS - LM	
GLAZING DETAILS	

