



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

DESCRIPTION: Series "SS-3500" Aluminum Storefront System – L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-3500-LM, titled "Storefront System Details - LM", sheets 1 through 10 of 10, dated 10/05/12, with revision A dated 07/21/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 12-1005.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
7/24/15

NOA No. 15-0612.08
Expiration Date: January 17, 2018
Approval Date: July 30 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 12-1005.01)
2. Drawing No. **MD-3500-LM**, titled "Storefront System Details - LM", sheets 1 through 10 of 10, dated 10/05/12, with revision A dated 07/21/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per AAMA 1304-02, FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a storefront system with French door and transom, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7137**, dated 12/10/12, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under previous NOA No. 12-1005.01)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per AAMA 1304-02, FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a storefront system with French door and transom, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7208**, dated 01/04/13, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under previous NOA No. 12-1005.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 06/05/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).



Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0612.08

Expiration Date: January 17, 2018
Approval Date: July 30 2015

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E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their **"Butacite® PVB Glass Interlayer"** dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 06/25/15, expiring on 07/04/18.
3. **QUANEX I.G. Super Spacer** by Edgetech I.G., Inc. exterior flexible, organic foam spacer complying with ASTM C518 passed, ASTM F1249 passed, ASTM D3985 passed, ASTM D395B 22 HRS 185°F and ASTM E2190 passed.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, dated June 2, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated June 2, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Reports No. **FTL-7137**, dated 12/10/12 and **FTL-7208**, dated 01/04/13, issued by Fenestration Testing Laboratory, Inc., both signed and sealed by Marlin D. Brinson, P.E.

G. OTHERS

1. Notice of Acceptance No. **12-1005.01**, issued to PGT Industries for their Series "SS-3500" Aluminum Storefront System - L.M.I." approved on 01/17/13 and expiring on 01/17/18.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0612.08

Expiration Date: January 17, 2018

Approval Date: July 30 2015

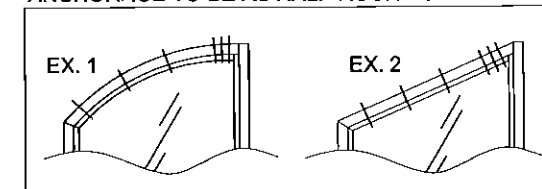
GENERAL NOTES: SS-3500
IMPACT-RESISTANT STOREFRONT SYSTEM

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) USE ONLY APPROVED FASTENERS PER TABLE 1, SHEET 2. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS (CMU) AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE, SEE TABLE 1, SHEET 2. FOR GROUT-FILLED CMU, ANCHORS WERE EVALUATED WITH ONLY THE CELL RECEIVING THE ANCHOR FILLED.
- 4) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT EMBEDMENT AS SPECIFIED ON TABLE 1, SHEET 2. INSTALLATION ANCHORS SHOULD BE SEALED. ALL FRAME JOINTS MUST BE SEAM-SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 6) 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.
- 7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300, SEE SHEETS 2, 5, 6 & 9.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300, SEE SHEETS 2, 5, 6 & 9.
- 8) 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.
- 9) 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.
- 10) REFERENCES: TEST REPORTS FTL-7137 & 7208; ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ANSI/AF&PA NDS FOR WOOD CONSTRUCTION AND ADM ALUMINUM DESIGN MANUAL.

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 2.
- 3) DETERMINE THE GLASS DESIGN PRESSURE FROM TABLE 2, SHEET 2.
- 4) DETERMINE THE MAXIMUM DESIGN PRESSURE DUE TO ANCHORAGE FROM TABLES 3 OR 4, SHEETS 5-6 BASED ON YOUR SHIM SPACE, ANCHOR TYPE AND THE QUANTITY OF ANCHORS REQUIRED TO ATTAIN THE REQUIRED DESIGN PRESSURE.
- 5) JAMB ANCHOR SPACING IS GIVEN IN TABLES 5 & 6, SHEET 7 AND HAVE BEEN CALCULATED FOR THE PRODUCTS MAXIMUM DP.
- 6) DETERMINE THE MID-PANEL ANCHOR QUANTITIES FROM TABLES 7 & 8, SHEET 8.
- 7) IF THE WINDOW IS ATTACHED TO ANOTHER WINDOW THROUGH A COMMON MULLION, DETERMINE THE MULLION DESIGN PRESSURE FROM TABLE 9, SHEET 9.
- 8) THE LOWEST DESIGN PRESSURE FROM 3, 4 & 6 ABOVE, SHALL BE USED FOR THE ENTIRE ASSEMBLY.

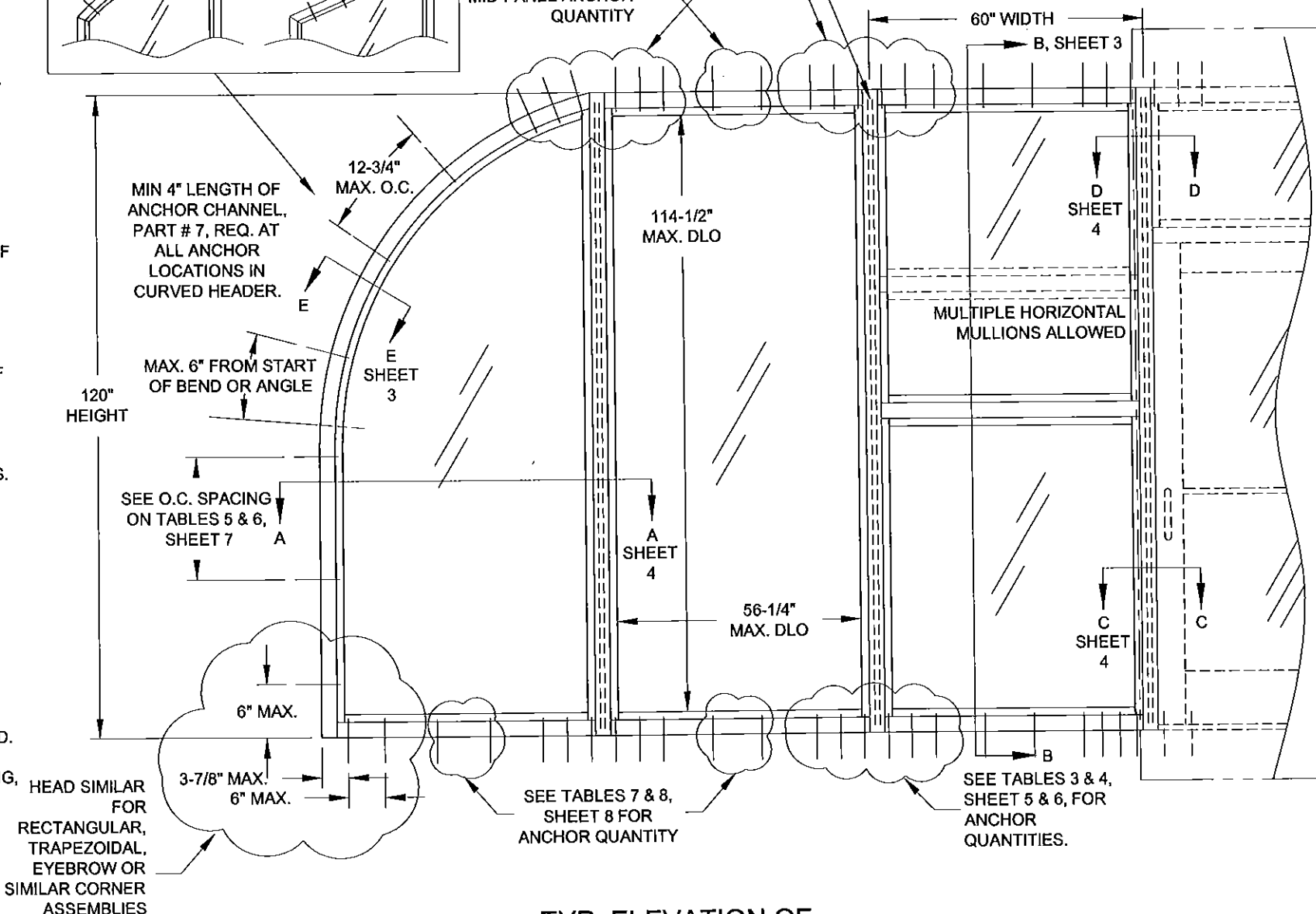
ALL SHAPES, ROUND OR ANGLED, ALLOWED.
ANCHORAGE TO BE AS HALF-ROUND SHAPE.



SEE TABLES 3 & 4, SHEET 5 & 6, FOR
CLUSTER ANCHOR QUANTITIES

SEE TABLES 7 & 8,
SHEET 8 FOR
MID-PANEL ANCHOR
QUANTITY

REINFORCEMENT, SEE
TABLE 9, SHEET 9



IMPACT RATING
RATED FOR LARGE & SMALL
MISSILE IMPACT RESISTANCE

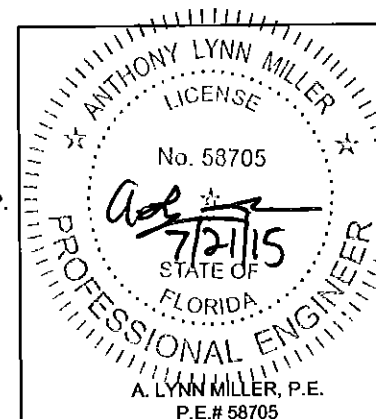
FOR ATTACHED
DOOR/TRANSOM,
SEE SEPARATE
APPROVAL

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TYP. ELEVATION OF
STOREFRONT SYSTEM

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0612.08
Expiration Date Jan 17, 2018
By *Manuel Diaz*
Miami Trade Product Control



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
SC	7/21/15	NO CHANGE
Description: ELEVATION		
Title: STOREFRONT SYSTEM DETAILS - LM		
Series/Model:	Scale:	Sheet:
SS-3500	NTS	1 OF 10

Drawn By:
J ROSOWSKI

Date:
10/05/12

Drawing No.
MD-3500-LM

Rev:
A

TABLE 2:

Window Wall Glass Capacity (psf)							
Nominal Dim.		Glass Type					
Frame Width	Frame Height	A	B	C	D	E	F
24 in	72 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in		90.0	80.0	120.0	90.0	80.0	120.0
48 in		90.0	80.0	120.0	90.0	80.0	120.0
54 in		89.9	80.0	120.0	90.0	80.0	120.0
60 in		82.4	80.0	120.0	90.0	80.0	120.0
66 in				120.0			120.0
72 in				120.0			120.0
24 in	78 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in		90.0	80.0	120.0	90.0	80.0	120.0
48 in		90.0	80.0	120.0	90.0	80.0	120.0
54 in		82.3	80.0	120.0	90.0	80.0	120.0
60 in		77.4	80.0	120.0	85.1	80.0	120.0
66 in				120.0			120.0
72 in				120.0			120.0
24 in	84 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in		90.0	80.0	120.0	90.0	80.0	120.0
48 in		85.1	80.0	120.0	90.0	80.0	120.0
54 in		78.1	80.0	120.0	85.9	80.0	120.0
60 in				120.0			120.0
66 in				120.0			120.0
72 in				100.0			100.0
24 in	90 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in		90.0	80.0	120.0	90.0	80.0	120.0
48 in		80.6	80.0	120.0	88.6	80.0	120.0
54 in				120.0			120.0
60 in				120.0			120.0
66 in				100.0			100.0
72 in				100.0			100.0
24 in	96 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in		87.4	80.0	120.0	90.0	80.0	120.0
48 in		76.8	80.0	120.0	84.4	80.0	120.0
54 in				120.0			120.0
60 in				120.0			120.0
66 in				100.0			100.0
72 in				100.0			100.0
24 in	102 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in		83.1	80.0	120.0	90.0	80.0	120.0
48 in				120.0			120.0
54 in				120.0			120.0
60 in				100.0			100.0
66 in				100.0			100.0

IF COMBINED WITH STOREFRONT ENTRANCE DOOR (SEE SEPARATE APPROVAL), THE LESSER DESIGN PRESSURE VALUE OF THE DOOR OR STOREFRONT SYSTEM SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.

Window Wall Glass Capacity (psf)							
Nominal Dim.		Glass Type					
Frame Width	Frame Height	A	B	C	D	E	F
24 in	108 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in		80.0	80.0	120.0	88.0	80.0	120.0
48 in				120.0			120.0
54 in				100.0			100.0
60 in				100.0			100.0
66 in				100.0			100.0
24 in	114 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in				120.0			120.0
48 in				120.0			120.0
54 in				100.0			100.0
60 in				100.0			100.0
66 in				100.0			100.0
24 in	120 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in				120.0			120.0
48 in				120.0			120.0
54 in				100.0			100.0
60 in				99.8			100.0
66 in							
24 in	126 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in		90.0	80.0	120.0	90.0	80.0	120.0
42 in				120.0			120.0
48 in				100.0			100.0
54 in				100.0			100.0
60 in							
66 in							
24 in	132 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in				120.0			120.0
42 in				120.0			120.0
48 in				100.0			100.0
54 in				100.0			100.0
60 in							
66 in							
24 in	138 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in				120.0			120.0
42 in				100.0			100.0
48 in				100.0			100.0
54 in							
60 in							
66 in							
24 in	144 in	90.0	80.0	120.0	90.0	80.0	120.0
30 in		90.0	80.0	120.0	90.0	80.0	120.0
36 in				120.0			120.0
42 in				100.0			100.0
48 in				100.0			100.0
54 in							
60 in							
66 in							

GLAZING NOTES:
"PVB" = .090" BUTACITE® PVB BY KURARAY AMERICA, INC.
"SG" = .090" SENTRYGLAS® BY KURARAY AMERICA, INC.

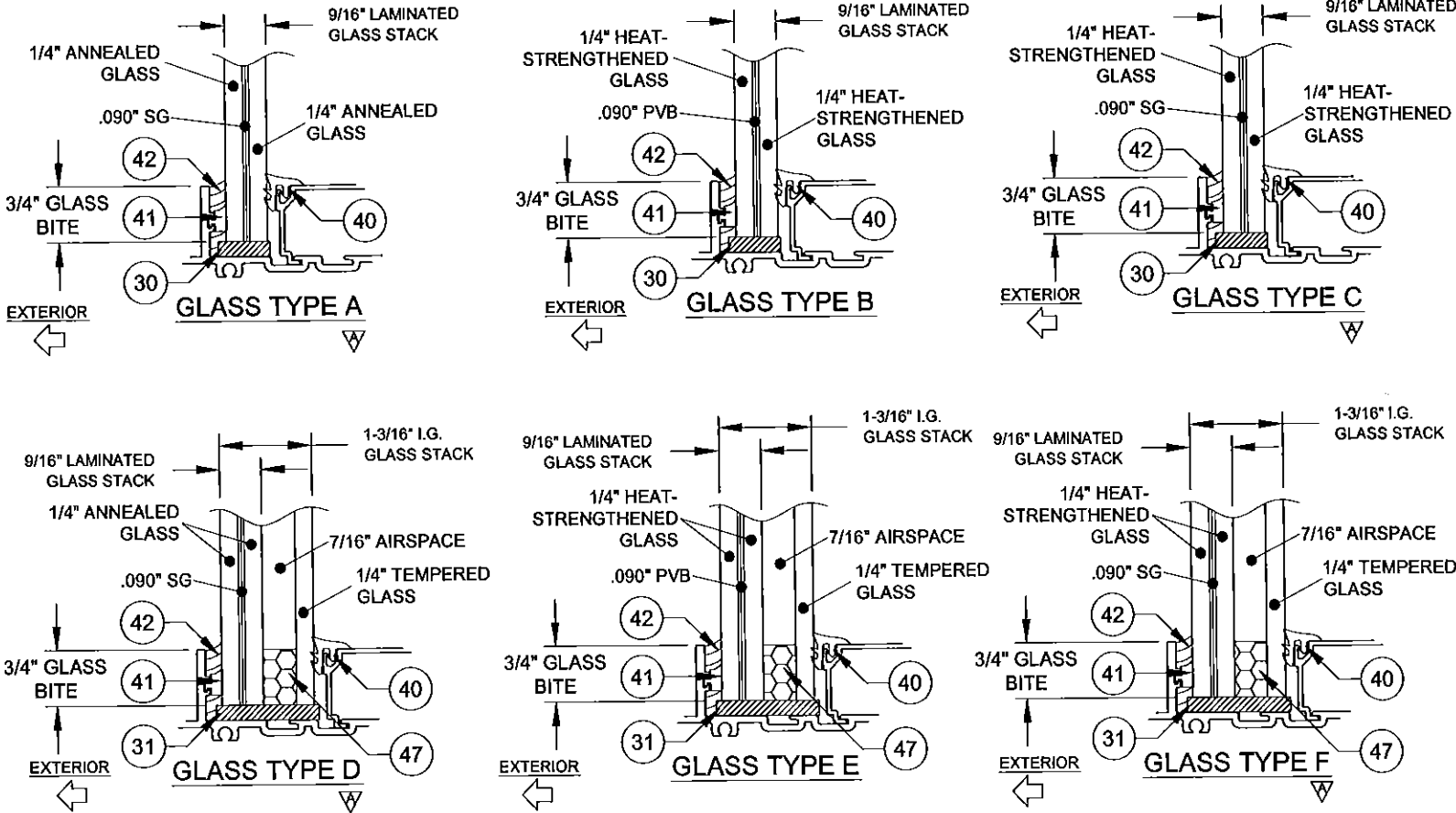


TABLE 1:

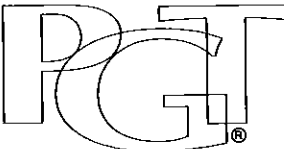
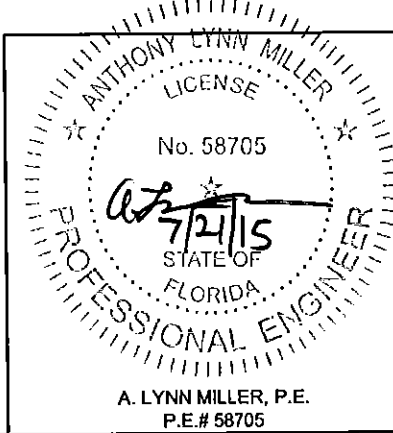
Anchor Type	Description	Substrate	Min. Edge Distance	Min. Embedment	Min. O.C. Distance
A	#14 steel or 410 SS SMS (G5)	S. Pine	1"	1-3/8"	1"
B	#14 steel or 410 SS SMS (G5)	1/8" 6063-T5 Aluminum	3/8"	1/8"	5/8"
		1/8" 36 ksi Steel	3/8"	1/8"	5/8"
		2.85 ksi Concrete	2-1/2"	1-3/8"	3"
		Grout-Filled CMU*	2-1/2"	1-3/4"	4"
C	1/4" steel Ultracon	Hollow Block*	2-1/2"	1-1/4"	6"
	1/4" 410 SS CreteFlex	Hollow Block*	2-1/2"	1-1/4"	6"
	5/16" steel Ultracon	Hollow Block*	3-1/8"	1-1/4"	6"
D	1/4" 410 SS CreteFlex	3.35 ksi Concrete	2-1/2"	1-3/4"	3"
		3.52 ksi Concrete	3-1/8"	2"	3"
		Grout-Filled CMU*	2-1/2"	2-1/4"	5"
E	3/8" Large Diameter ITW Tapcon	3 ksi Concrete	3"	1-1/2"	4"
		Hollow Block*	3"	1-1/2"	6"

NOTES:

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) ANCHORS INTO GROUT-FILLED CMU OR HOLLOW BLOCK ARE ONLY APPLICABLE FOR THE JAMBS.
- 3) ALL ANCHOR HEAD TYPES ARE ALLOWED.

* SEE SHEET 1, GENERAL NOTE 3.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 15-0612.08
Expiration Date Jan 17, 2018
By *Manuel Perez*
Miami Made Product Control



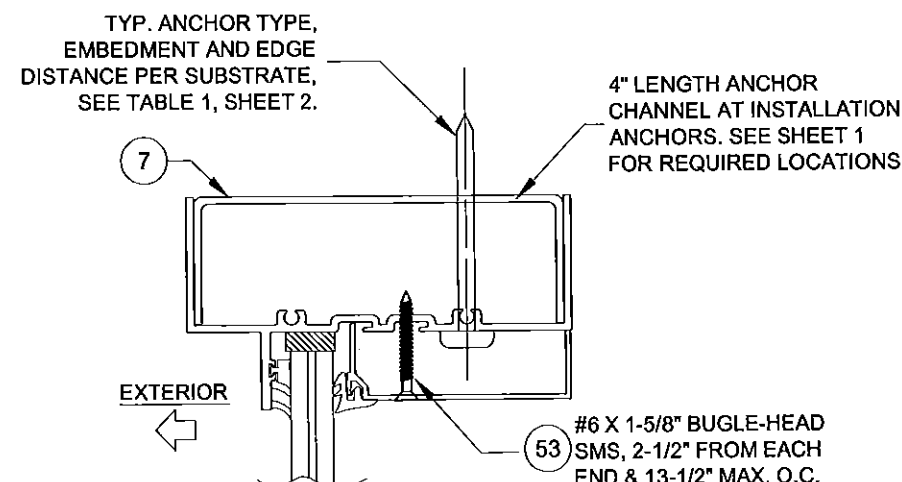
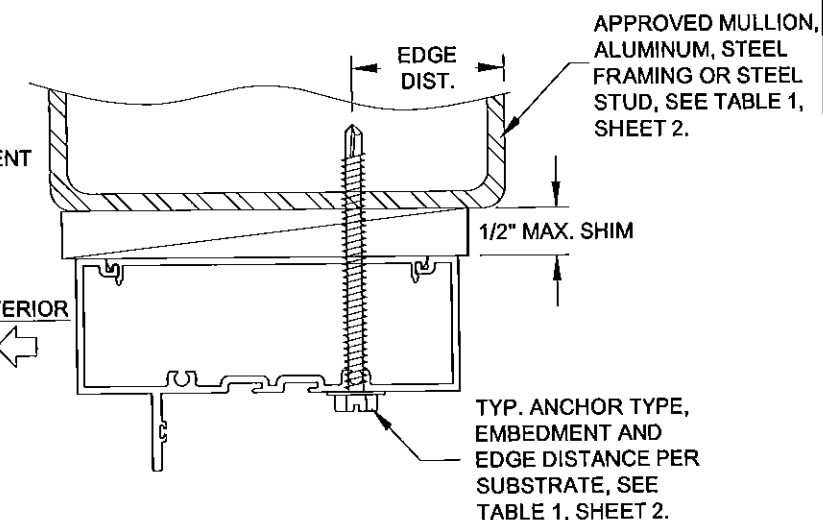
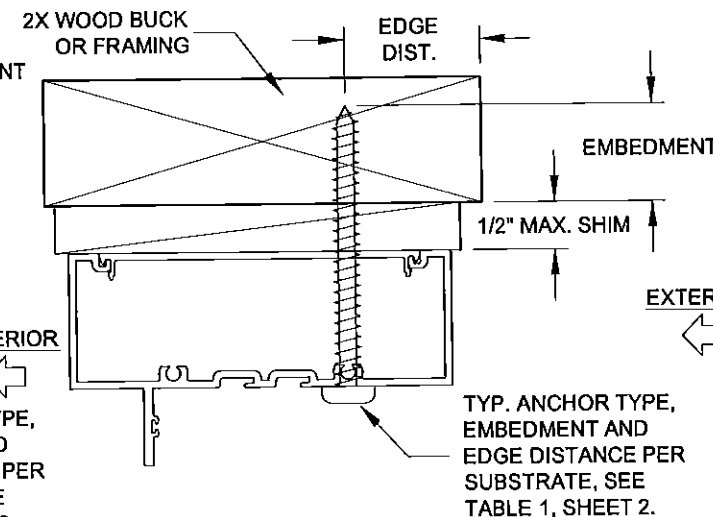
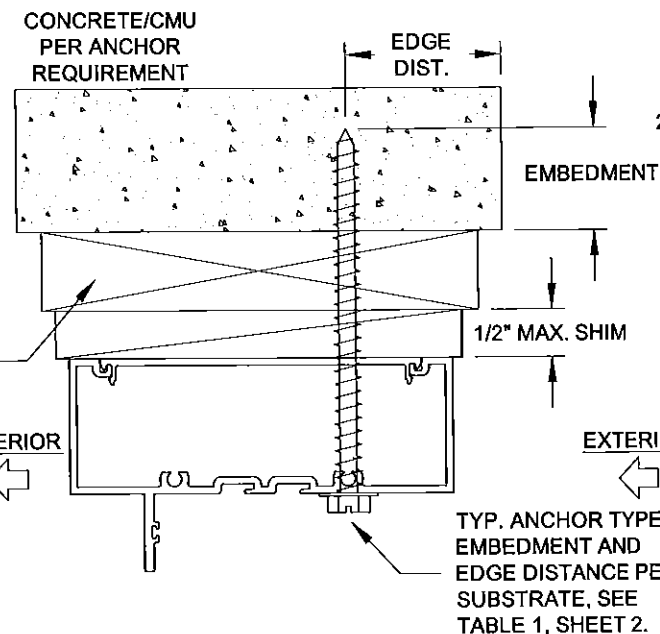
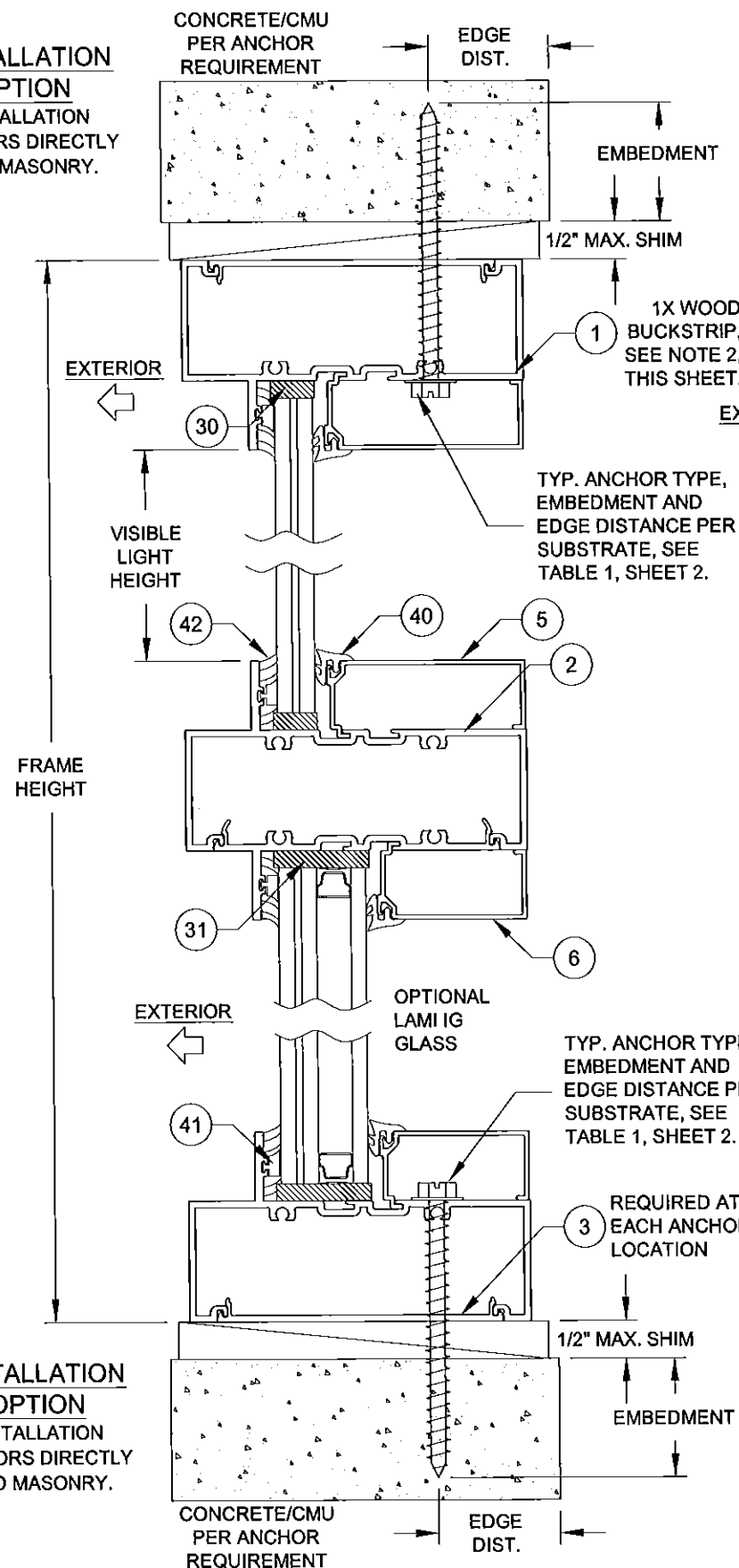
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
SC	7/21/15	INTERLAYER MAN.

Description:	GLAZING DETAILS		Drawn By:	J ROSOWSKI
Title:	STOREFRONT SYSTEM DETAILS - LM		Date:	10/05/12
Series/Model:	SS-3500	Scale:	Sheet:	2 OF 10
			Drawing No.	MD-3500-LM
			Rev:	A

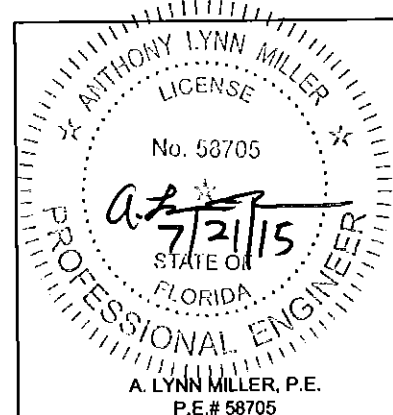
**INSTALLATION
OPTION**
INSTALLATION
ANCHORS DIRECTLY
INTO MASONRY.



NOTES:

- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 2. 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 5-8.

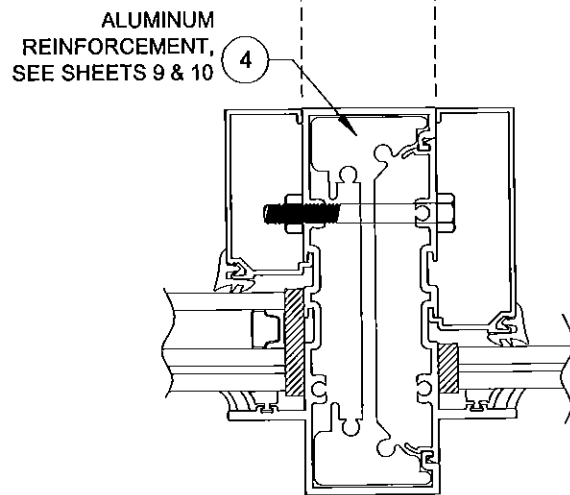
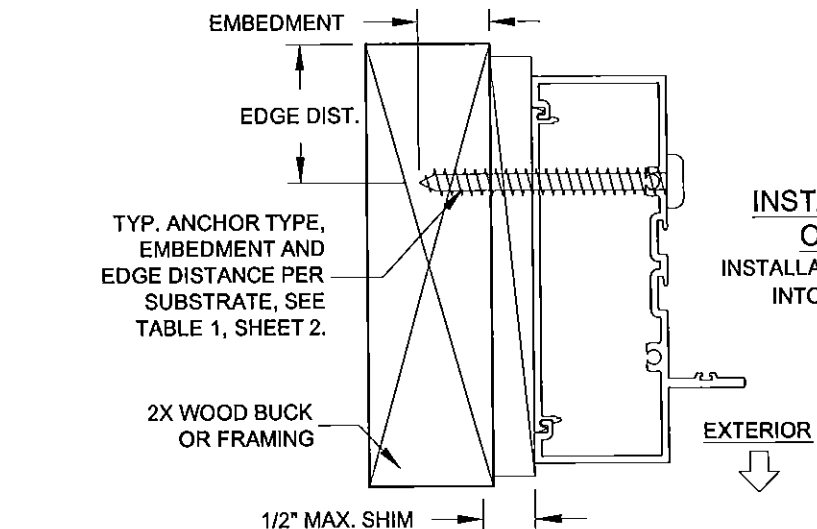
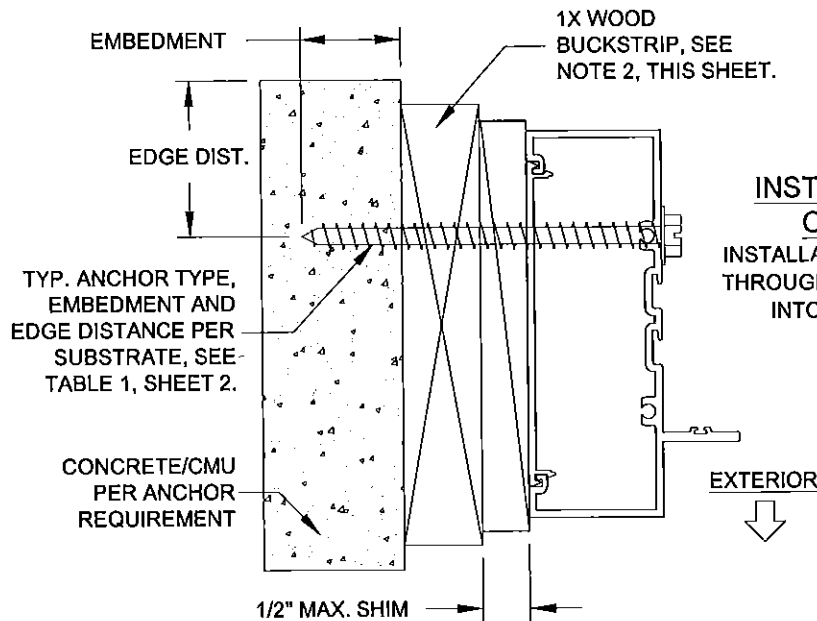
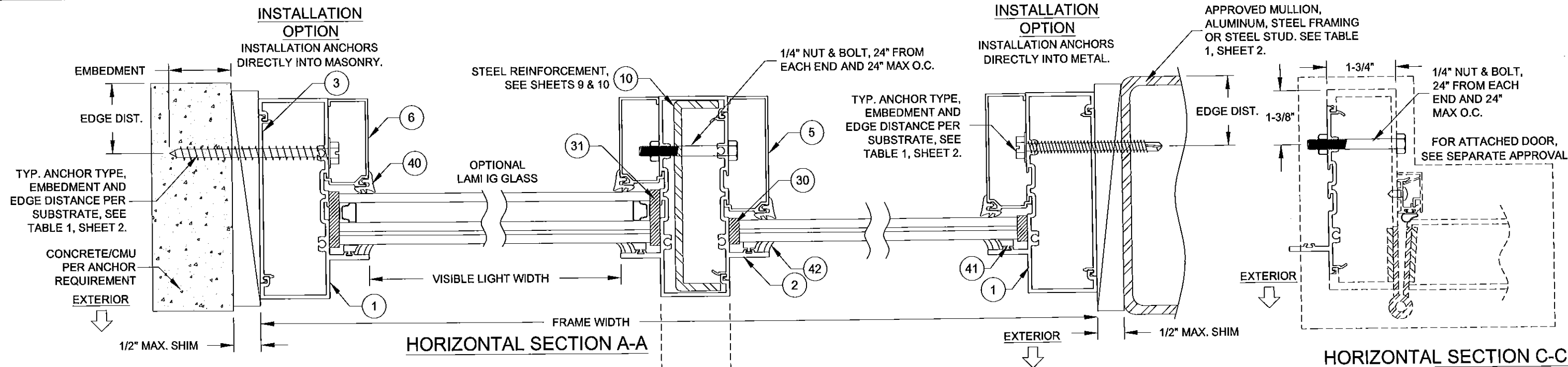
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0612.08
Expiration Date Jan. 17, 2018
By *Manuel Perez*
Miami/Dade Product Control



PCT
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
SC	7/21/15	NO CHANGE
Description: VERTICAL X-SECTION		
Title: STOREFRONT SYSTEM DETAILS - LM		Date: 10/05/12
Series/Model: SS-3500	Scale: NTS	Sheet: 3 OF 10
Drawing No. MD-3500-LM		Rev: A

Drawn By:
J ROSOWSKI

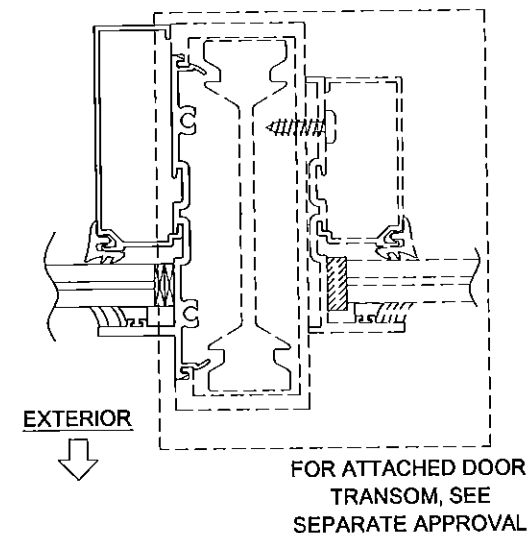


ALTERNATE REINFORCEMENT
VARIES WITH DESIGN
PRESSURE REQUIRED, SEE
TABLE 9, SHEET 9.

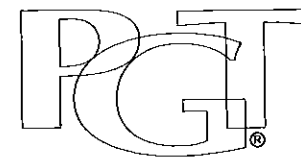
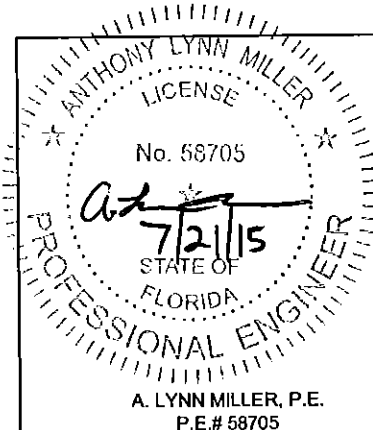
NOTES:

1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 2. 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 5-8.



VISIBLE LIGHT FORMULAS
FRAME WIDTH - 5-1/2"
FRAME HEIGHT - 5-1/2"



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
SC	7/21/15	NO CHANGE
Description: HORIZONTAL X-SECTION		
Title: STOREFRONT SYSTEM DETAILS - LM		
Series/Model:	Scale:	Sheet:
SS-3500	NTS	4 OF 10
Drawing No.		Rev:
MD-3500-LM		A

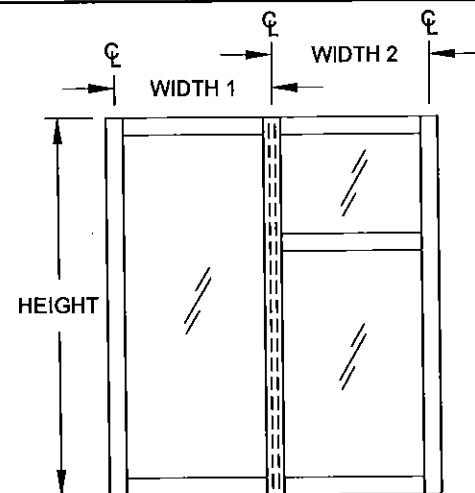
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0612.08
Expiration Date Jan. 17, 2018
By *Mmanuel Perez*
Miami Made Product Control

Drawn By:
J ROSOWSKI

Date:
10/05/12

[illegible]

Window Wall Mullion Head/Sill Anchor Cluster Load Capacity (psf)																
(1/4" Maximum Shim Space)																
Nominal Dim.		Anchor Type "A"			Anchor Type "B"			Anchor Type "C"			Anchor Type "D"			Anchor Type "E"		
Frame Width	Frame Height	A2	A3	A4	B2	B3	B4	C2	C3	C4	D2	D3	D4	E2	E3	E4
24 in	108 in	118.4	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 in		97.7	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 in		84.2	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
42 in		74.6	111.9	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
48 in		67.6	101.4	120.0	116.8	120.0	120.0	111.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54 in		62.3	93.5	120.0	107.7	120.0	120.0	102.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60 in		58.3	87.4	116.5	100.7	120.0	120.0	96.0	120.0	120.0	115.0	120.0	120.0	120.0	120.0	120.0
66 in		55.1	82.6	110.2	95.2	120.0	120.0	90.8	120.0	120.0	108.7	120.0	120.0	114.7	120.0	120.0
24 in	114 in	111.4	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 in		91.8	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 in		78.9	118.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42 in		69.8	104.7	120.0	120.0	120.0	120.0	115.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48 in		63.1	94.7	120.0	109.0	120.0	120.0	104.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
54 in		58.0	87.1	116.1	100.3	120.0	120.0	95.6	120.0	120.0	114.5	120.0	120.0	120.0	120.0	
60 in		54.1	81.2	108.2	93.5	120.0	120.0	89.1	120.0	120.0	106.7	120.0	120.0	112.7	120.0	
24 in	120 in	105.2	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	
30 in		86.6	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	
36 in		74.3	111.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
42 in		65.6	98.4	120.0	113.3	120.0	120.0	108.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
48 in		59.2	88.8	118.4	102.2	120.0	120.0	97.5	120.0	120.0	116.8	120.0	120.0	120.0	120.0	
54 in		54.3	81.4	108.6	93.8	120.0	120.0	89.5	120.0	120.0	107.1	120.0	120.0	113.1	120.0	
60 in		50.5	75.7	101.0	87.2	120.0	120.0	83.2	120.0	120.0	99.6	120.0	120.0	105.2	120.0	
24 in	126 in	99.7	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 in		81.9	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	
36 in		70.1	105.2	120.0	120.0	120.0	120.0	115.6	120.0	120.0	120.0	120.0</				



$$\text{FRAME WIDTH} = \frac{\text{WIDTH 1} + \text{WIDTH 2}}{2}$$

Anchor Type	# of Anchors at Each Side of Mullion	Anchor Type	# of Anchors at Each Side of Mullion	Anchor Type	# of Anchors at Each Side of Mullion
A2	2	A3	3	A4	4
B2	2	B3	3	B4	4
C2	2	C3	3	C4	4
D2	2	D3	3	D4	4
E2	2	E3	3	E4	4

SILL SHOWN,
HEAD SIMILAR,
QTY. MAY VARY

WINDOW WINDOW

SEE TABLE 1,
SHEET 2
FOR ANCHOR
O.C. SPACING,
4" MAX.

2-1/4"

CL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0612.08
Expiration Date Jan. 17, 2018
By Manuel Perez
Miami Dade Product Control

Drawn By:
J ROSOWSKI

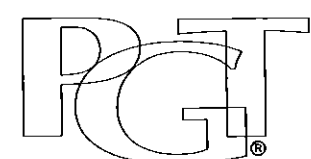
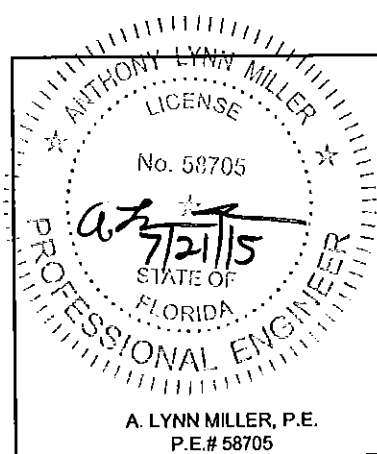
Date: 10/05/12

Revised By:	Date:	Revision:
SC	7/21/15	NO CHANGE

Description:
ANCHOR TABLES @ 1/4" SHIM SPACE

Title: **STOREFRONT SYSTEM DETAILS - LM**

Series/Model: SS-3500	Scale: NTS	Sheet: 5 OF 10	Drawing No. MD-3500-LM	Rev: A
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1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

CERT. OF AUTH. #29296

TABLE 4:

Window Wall Mullion Head/Sill Anchor Cluster Load Capacity (psf)																
(1/2" Maximum Shim Space)																
Nominal Dim.		Anchor Type "A"			Anchor Type "B"			Anchor Type "C"			Anchor Type "D"			Anchor Type "E"		
Frame Width	Frame Height	A2	A3	A4	B2	B3	B4	C2	C3	C4	D2	D3	D4	E2	E3	E4
24 in	72 in	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 in		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 in		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
42 in		102.5	120.0	120.0	102.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48 in		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
54 in		90.4	120.0	120.0	90.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60 in		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
66 in		85.3	120.0	120.0	85.3	120.0	120.0	116.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72 in		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 in	78 in	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 in		116.2	120.0	120.0	116.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36 in		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
42 in		91.7	120.0	120.0	91.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48 in		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
54 in		79.7	119.6	120.0	79.7	119.6	120.0	109.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60 in		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
66 in		73.9	110.9	120.0	73.9	110.9	120.0	101.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72 in		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
24 in	84 in	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 in		106.1	120.0	120.0	106.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36 in		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
42 in		83.0	120.0	120.0	83.0	120.0	120.0	113.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48 in		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 in		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 in		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
66 in		65.2	97.8	120.0	65.2	97.8	120.0	89.2	120.0	120.0	113.7	120.0	120.0	120.0	120.0	120.0
72 in		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
24 in	90 in	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
30 in		97.6	120.0	120.0	97.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36 in		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 in		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 in		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 in		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 in		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
66 in		58.4	87.5	116.7	58.4	87.5	116.7	79.8	119.7	120.0	101.7	120.0	120.0	120.0	120.0	120.0
72 in		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
24 in	97.5 in	106.7	120.0	120.0	106.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30 in		88.4	120.0	120.0	88.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36 in		76.5	114.7	120.0	76.5	114.7	120.0	104.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42 in		68.1	102.2	120.0	68.1	102.2	120.0	93.2	120.0	120.0	118.7	120.0	120.0	120.0	120.0	120.0
48 in		62.0	93.0	120.0	62.0	93.0	120.0	84.8	120.0	120.0	108.1	120.0	120.0	120.0	120.0	120.0
54 in		57.5	86.2	114.9	57.5	86.2	114.9	78.6	117.9	120.0	100.2	120.0	120.0	120.0	120.0	120.0
60 in		54.0	81.0	108.0	54.0	81.0	108.0	73.9	110.8	120.0	94.1	120.0	120.0	120.0	120.0	120.0
66 in		51.4	77.1	102.8	51.4	77.1	102.8	70.3	105.4	120.0	89.6	120.0	120.0	120.0	120.0	120.0
72 in		49.4	74.1	98.8	49.4	74.1	98.8	67.5	101.3	120.0	86.1	120.0	120.0	120.0	120.0	120.0
24 in	102 in	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
30 in		84.1	120.0	120.0	84.1	120.0	120.0	115.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36 in		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
42 in		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
48 in		58.6	88.0	117.3	58.6	88.0	117.3	80.2	120.0	120.0	102.2	120.0	120.0	120.0	120.0	120.0
54 in		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
60 in		50.8	76.2	101.7	50.8	76.2	101.7	69.5	104.3	120.0	88.6	120.0	120.0	120.0	120.0	120.0
66 in		48.2	72.3	96.4	48.2	72.3	96.4	65.9	98.9	120.0	84.0	120.0	120.0	120.0	120.0	120.0
72 in		46.5	69.8	93.9	46.5	69.8	93.9	63.2	96.4	120.0	81.3	120.0	120.0	120.0	120.0	120.0

TABLE 5:

Window Wall Max. O.C. Jamb Anchor Spacing (in) (1/4" Maximum Shim Space)						
Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"
24 in	72 in	18	18	18	18	18
30 in		18	18	18	18	18
36 in		18	18	18	18	18
42 in		18	18	18	18	18
48 in		15	18	18	18	18
54 in		15	18	15	18	18
60 in		15	18	15	18	18
66 in		15	18	15	18	18
72 in		15	18	15	18	18
24 in		18	18	18	18	18
30 in	78 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		16 1/2	18	18	18	18
48 in		16 1/2	18	16 1/2	18	18
54 in		16 1/2	18	16 1/2	18	18
60 in		13 3/16	18	16 1/2	18	18
66 in		13 3/16	18	16 1/2	18	18
72 in		13 3/16	18	13 3/16	18	18
24 in		18	18	18	18	18
30 in	84 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		18	18	18	18	18
48 in		14 3/8	18	18	18	18
54 in		14 3/8	18	14 3/8	18	18
60 in		14 3/8	18	14 3/8	18	18
66 in		14 3/8	18	14 3/8	18	18
72 in		12	18	14 3/8	18	18
24 in		18	18	18	18	18
30 in	90 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		15 5/8	18	18	18	18
48 in		15 5/8	18	15 5/8	18	18
54 in		15 5/8	18	15 5/8	18	18
60 in		13	18	15 5/8	18	18
66 in		13	18	13	18	18
72 in		13	18	13	18	18
24 in		18	18	18	18	18
30 in	97.5 in	18	18	18	18	18
36 in		17 1/8	18	18	18	18
42 in		17 1/8	18	17 1/8	18	18
48 in		14 1/4	18	17 1/8	18	18
54 in		14 1/4	18	14 1/4	18	18
60 in		12 3/16	18	14 1/4	18	18
66 in		12 3/16	18	12 3/16	18	18
72 in		12 3/16	18	12 3/16	18	18

Window Wall Max. Jamb O.C. Anchor Spacing (in) (1/4" Maximum Shim Space)						
Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"
24 in	102 in	18	18	18	18	18
30 in		18	18	18	18	18
36 in		18	18	18	18	18
42 in		18	18	18	18	18
48 in		15	18	15	18	18
54 in		12 7/8	18	15	18	18
60 in		12 7/8	18	12 7/8	18	18
66 in		11 1/4	18	12 7/8	18	18
24 in		18	18	18	18	18
30 in	108 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		16	18	16	18	18
48 in		13 11/16	18	16	18	18
54 in		13 11/16	18	13 11/16	18	18
60 in		12	18	13 11/16	18	18
66 in		12	18	12	18	18
24 in		18	18	18	18	18
30 in	114 in	18	18	18	18	18
36 in		17	18	18	18	18
42 in		17	18	17	18	18
48 in		14 9/16	18	14 9/16	18	18
54 in		12 3/4	18	14 9/16	18	18
60 in		12 3/4	18	12 3/4	18	18
24 in		18	18	18	18	18
30 in	120 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		15 7/16	18	18	18	18
48 in		13 1/2	18	15 7/16	18	18
54 in		13 1/2	18	13 1/2	18	18
60 in		12	18	13 1/2	18	18
24 in		18	18	18	18	18
30 in	126 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		16 5/16	18	16 5/16	18	18
48 in		14 1/4	18	14 1/4	18	18
54 in		12 11/16	18	14 1/4	18	18
24 in		18	18	18	18	18
30 in	132 in	18	18	18	18	18
36 in		17 1/8	18	18	18	18
42 in		15	18	17 1/8	18	18
48 in		13 5/16	18	15	18	18
54 in		13 5/16	18	13 5/16	18	18
24 in		18	18	18	18	18
30 in	138 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		15 3/4	18	15 3/4	18	18
48 in		14	18	14	18	18
24 in		18	18	18	18	18
30 in	144 in	18	18	18	18	18
36 in		18	18	18	18	18
42 in		14 11/16	18	16 1/2	18	18
48 in		13 3/16	18	14 11/16	18	18

TABLE 6:

Window Wall Max. Jamb O.C. Anchor Spacing (in) (1/2" Maximum Shim Space)						
Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"
24 in	72 in	18	18	18	18	18
30 in		18	18	18	18	18
36 in		15	15	18	18	18
42 in		15	15	18	18	18
48 in		12	12	18	18	18
54 in		12	12	15	18	18
60 in		12	12	15	18	18
66 in		12	12	15	18	18
72 in		12	12	15	18	18
24 in		18	18	18	18	18
30 in	78 in	16 1/2	16 1/2	18	18	18
36 in		16 1/2	16 1/2	18	18	18
42 in		13 3/16	13 3/16	18	18	18
48 in		13 3/16	13 3/16	16 1/2	18	18
54 in		11	11	16 1/2	18	18
60 in		11	11	16 1/2	18	18
66 in		11	11	16 1/2	18	18
72 in		11	11	13 3/16	18	18
24 in		18	18	18	18	18
30 in	84 in	18	18	18	18	18
36 in		14 3/8	14 3/8	18	18	18
42 in		14 3/8	14 3/8	18	18	18
48 in		12	12	18	18	18
54 in		12	12	14 3/8	18	18
60 in		10 5/16	10 5/16	14 3/8	18	18
66 in		10 5/16	10 5/16	14 3/8	18	18
72 in		10 5/16	10 5/16	14 3/8	18	18
24 in		18	18	18	18	18
30 in	90 in	18	18	18	18	18
36 in		15 5/8	15 5/8	18	18	18
42 in		13	13	18	18	18
48 in		13	13	15 5/8	18	18
54 in		11 1/8	11 1/8	15 5/8	18	18
60 in		11 1/8	11 1/8	15 5/8	18	18
66 in		9 3/4	9 3/4	13	18	18
72 in		9 3/4	9 3/4	13	18	18
24 in		18	18	18	18	18
30 in	97.75 in	17 1/8	17 1/8	18	18	18
36 in		14 5/16	14 5/16	18	18	18
42 in		12 1/4	12 1/4	17 1/8	18	18
48 in		12 1/4	12 1/4	17 1/8	18	18
54 in		10 3/4	10 3/4	14 5/16	18	18
60 in		10 3/4	10 3/4	14 5/16	17 1/8	18
66 in		9 1/2	9 1/2	12 1/4	17 1/8	18
72 in		9 1/2	9 1/2	12 1/4	17 1/8	18
24 in		18	18	18	18	18
30 in	102 in	18	18	18	18	18
36 in		15	15	18	18	18
42 in		12 7/8	12 7/8	18	18	18
48 in		11 1/4	11 1/4	15	18	18
54 in		11 1/4	11 1/4	15	18	18
60 in		10	10	12 7/8	18	18
66 in		10	10	12 7/8	18	18

Window Wall Max. Jamb O.C. Anchor Spacing (in) (1/2" Maximum Shim Space)							
Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"	
24 In	108 In	18	18	18	18	18	
30 In		16	16	18	18	18	
36 In		13 11/16	13 11/16	18	18	18	
42 In		13 11/16	13 11/16	16	18	18	
48 In		12	12	16	18	18	
54 In		10 11/16	10 11/16	13 11/16	18	18	
60 In		9 5/8	9 5/8	13 11/16	18	18	
66 In		9 5/8	9 5/8	12	16	18	
24 In	114 In	18	18	18	18	18	
30 In		17	17	18	18	18	
36 In		14 9/16	14 9/16	18	18	18	
42 In		12 3/4	12 3/4	17	18	18	
48 In		11 5/16	11 5/16	14 9/16	18	18	
54 In		10 3/16	10 3/16	14 9/16	18	18	
60 In		9 1/4	9 1/4	12 3/4	17	18	
24 In		120 In	18	18	18	18	18
30 In	18		18	18	18	18	
36 In	13 1/2		13 1/2	18	18	18	
42 In	12		12	18	18	18	
48 In	10 13/16		10 13/16	15 7/16	18	18	
54 In	10 13/16		10 13/16	13 1/2	18	18	
60 In	9 13/16		9 13/16	13 1/2	18	18	
24 In	126 In		18	18	18	18	18
30 In		16 5/16	16 5/16	18	18	18	
36 In		14 1/4	14 1/4	18	18	18	
42 In		12 11/16	12 11/16	16 5/16	18	18	
48 In		11 3/8	11 3/8	14 1/4	18	18	
54 In		10 3/8	10 3/8	14 1/4	18	18	
24 In		132 In	18	18	18	18	18
30 In			17 1/8	17 1/8	18	18	18
36 In	15		15	18	18	18	
42 In	12		12	17 1/8	18	18	
48 In	10 15/16		10 15/16	15	18	18	
54 In	10		10	13 5/16	17 1/8	18	
24 In	138 In		18	18	18	18	18
30 In			15 3/4	15 3/4	18	18	18
36 In		14	14	18	18	18	
42 In		12 5/8	12 5/8	15 3/4	18	18	
48 In		11 7/16	11 7/16	14	18	18	
24 In		144 In	18	18	18	18	18
30 In			16 1/2	16 1/2	18	18	18
36 In			14 11/16	14 11/16	18	18	18
42 In	12		12	16 1/2	18	18	
48 In	11		11	14 11/16	18	18	

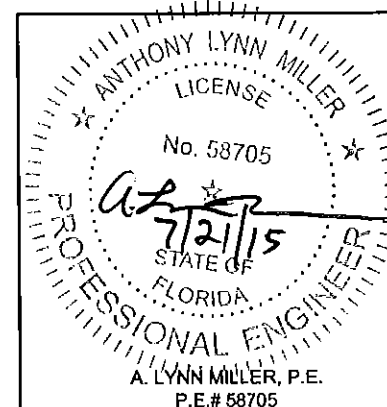
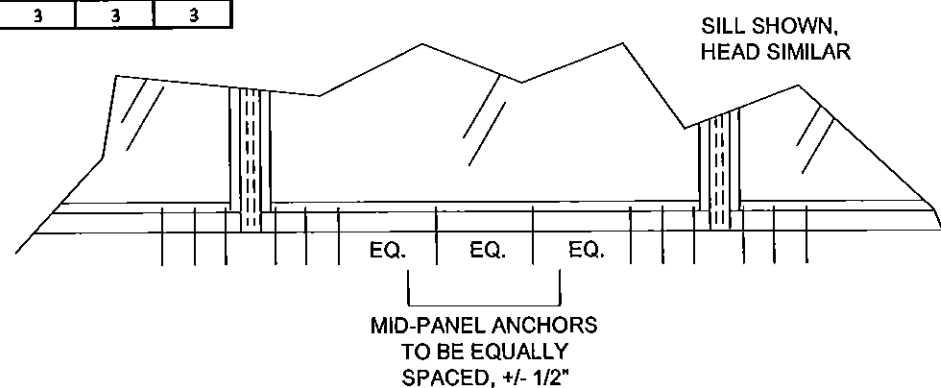
Window Wall Mid-Panel Anchor Quantity (1/4" Maximum Shim Space)						
Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"
24 In	72 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	1	1	1	1
42 In		2	1	1	1	1
48 In		3	2	2	2	1
54 In		3	2	2	2	2
60 In		4	2	2	2	2
66 In		4	3	3	3	3
72 In	5	3	3	3	3	
24 In	78 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	1	1	1	1
42 In		2	1	1	1	1
48 In		3	2	2	2	1
54 In		3	2	2	2	2
60 In		4	2	2	2	2
66 In		4	3	3	3	3
72 In	5	3	3	3	3	
24 In	84 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	1	1	1	1
42 In		2	1	1	1	1
48 In		3	2	2	2	1
54 In		3	2	2	2	2
60 In		4	2	2	2	2
66 In		4	3	3	3	3
72 In	5	3	3	3	3	
24 In	90 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	1	1	1	1
42 In		2	1	1	1	1
48 In		3	2	2	2	1
54 In		3	2	2	2	2
60 In		4	2	2	2	2
66 In		4	3	3	3	3
72 In	5	3	3	3	3	
24 In	97.75 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	1	1	1	1
42 In		2	1	1	1	1
48 In		3	2	2	2	1
54 In		3	2	2	2	2
60 In		4	2	2	2	2
66 In		4	3	3	3	3
72 In	5	3	3	3	3	
24 In	102 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	1	1	1	1
42 In		2	1	1	1	1
48 In		3	2	2	2	1
54 In		3	2	2	2	2
60 In		4	2	2	2	2
66 In		4	3	3	3	3

Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"
24In	108In	1	1	1	1	1
30In		1	1	1	1	1
36In		2	1	1	1	1
42In		2	1	1	1	1
48In		3	2	2	2	1
54In		3	2	2	2	2
60In		4	2	2	2	2
66In		4	3	3	3	3
24In	114In	1	1	1	1	1
30In		1	1	1	1	1
36In		2	1	1	1	1
42In		2	1	1	1	1
48In		3	2	2	2	1
54In		3	2	2	2	2
60In		4	2	2	2	2
24In	120In	1	1	1	1	1
30In		1	1	1	1	1
36In		2	1	1	1	1
42In		2	1	1	1	1
48In		3	2	2	2	1
54In		3	2	2	2	2
60In		4	2	2	2	2
24In	126In	1	1	1	1	1
30In		1	1	1	1	1
36In		2	1	1	1	1
42In		2	1	1	1	1
48In		3	2	2	2	1
54In		3	2	2	2	2
24In	132In	1	1	1	1	1
30In		1	1	1	1	1
36In		2	1	1	1	1
42In		2	1	1	1	1
48In		3	2	2	2	1
54In		3	2	2	2	2
24In	138In	1	1	1	1	1
30In		1	1	1	1	1
36In		2	1	1	1	1
42In		2	1	1	1	1
48In		3	2	2	2	1
24In	144In	1	1	1	1	1
30In		1	1	1	1	1
36In		2	1	1	1	1
42In		2	1	1	1	1
48In		3	2	2	2	1

Window Wall Mid-Panel Anchor Quantity (1/2" Maximum Shim Space)						
Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"
24 in	72 in	1	1	1	1	1
30 in		1	1	1	1	1
36 in		2	2	2	1	1
42 in		2	2	2	2	1
48 in		3	3	2	2	1
54 in		4	4	3	2	2
60 in		4	4	3	3	2
66 in		5	5	4	3	3
72 in		6	6	5	4	3
24 in	78 in	1	1	1	1	1
30 in		1	1	1	1	1
36 in		2	2	2	1	1
42 in		2	2	2	2	1
48 in		3	3	2	2	1
54 in		4	4	3	2	2
60 in		4	4	3	3	2
66 in		5	5	4	3	3
72 in		6	6	5	4	3
24 in	84 in	1	1	1	1	1
30 in		1	1	1	1	1
36 in		2	2	2	1	1
42 in		2	2	2	2	1
48 in		3	3	2	2	1
54 in		4	4	3	2	2
60 in		4	4	3	3	2
66 in		5	5	4	3	3
72 in		6	6	5	4	3
24 in	90 in	1	1	1	1	1
30 in		1	1	1	1	1
36 in		2	2	2	1	1
42 in		2	2	2	2	1
48 in		3	3	2	2	1
54 in		4	4	3	2	2
60 in		4	4	3	3	2
66 in		5	5	4	3	3
72 in		6	6	5	4	3
24 in	97.75 in	1	1	1	1	1
30 in		1	1	1	1	1
36 in		2	2	2	1	1
42 in		2	2	2	2	1
48 in		3	3	2	2	1
54 in		4	4	3	2	2
60 in		4	4	3	3	2
66 in		5	5	4	3	3
72 in		6	6	5	4	3

Frame Width	Frame Height	Anchor Type "A"	Anchor Type "B"	Anchor Type "C"	Anchor Type "D"	Anchor Type "E"
24 In	102 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2
66 In		5	5	4	3	3
24 In	108 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2
66 In		5	5	4	3	3
24 In	114 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2
24 In	120 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2
24 In	126 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2
24 In	132 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2
24 In	138 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2
24 In	144 In	1	1	1	1	1
30 In		1	1	1	1	1
36 In		2	2	2	1	1
42 In		2	2	2	2	1
48 In		3	3	2	2	1
54 In		4	4	3	2	2
60 In		4	4	3	3	2

1) USE THIS SHEET FOR ANCHOR QUANTITIES LOCATED BETWEEN THE CLUSTERS, ON THE HEAD AND SILL.



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
SC	7/21/15	NO CHANGE

Description:	PANEL ANCHOR TABLES
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Title: **STOREFRONT SYSTEM DETAILS - LM**

Series/Model: **SS-3500**

Scale:
NT

Sheet:
8 OF 10

Drawing No.
MD-3500-LM

Rev:
A

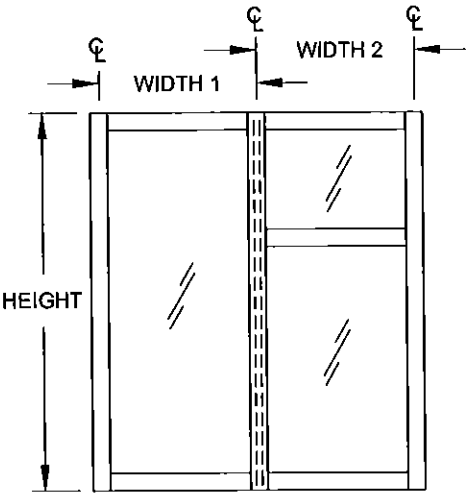
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0612-08
Expiration Date Jan. 17, 2018
By Mamuel Perez
Miami Dade Product Control

TABLE 9:

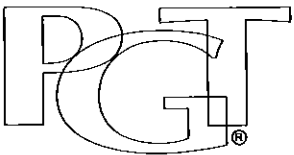
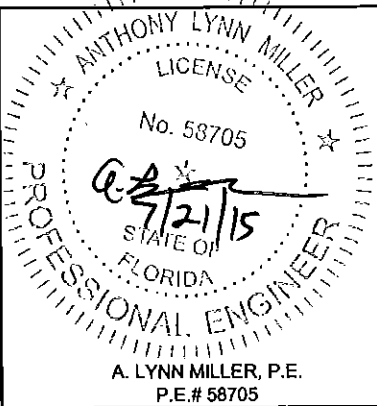
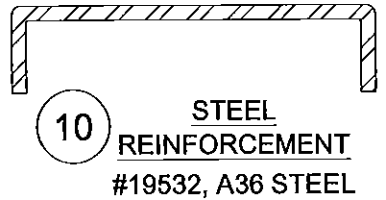
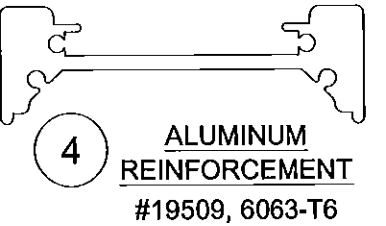
Window Wall Mullion Capacity (psf)									
Nominal Dim.		Unreinforced (Glass Types B & E)		Unreinforced (Glass Types A & D)		Alum. Reinf. (Glass Types C & F)		Steel Reinf. (Glass Types C & F)	
Frame Width	Frame Height	Pos (+)	Neg (-)	Pos (+)	Neg (-)	Pos (+)	Neg (-)	Pos (+)	Neg (-)
24 in	72 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
36 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
42 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
48 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
54 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
60 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
66 in						90.0	100.0	90.0	120.0
72 in						90.0	100.0	90.0	120.0
24 in	78 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
36 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
42 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
48 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
54 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
60 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
66 in						90.0	100.0	90.0	120.0
72 in						90.0	100.0	90.0	120.0
24 in	84 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
36 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
42 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
48 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
54 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
60 in						90.0	100.0	90.0	120.0
66 in						90.0	100.0	90.0	120.0
72 in								90.0	100.0
24 in	90 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
36 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
42 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
48 in		70.0	80.0	89.4	89.4	90.0	100.0	90.0	120.0
54 in						90.0	100.0	90.0	120.0
60 in						90.0	100.0	90.0	120.0
66 in								90.0	100.0
72 in								90.0	100.0
24 in	97.75 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
36 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
42 in		70.0	80.0	87.9	87.9	90.0	100.0	90.0	120.0
48 in		70.0	80.0	80.0	80.0	90.0	100.0	90.0	120.0
54 in						90.0	100.0	90.0	120.0
60 in								90.0	120.0
66 in								90.0	100.0
72 in								90.0	100.0
24 in	102 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
36 in		70.0	80.0	88.3	88.3	90.0	100.0	90.0	120.0
42 in		68.3	77.1	77.1	77.1	90.0	100.0	90.0	120.0
48 in						90.0	100.0	90.0	120.0
54 in						90.0	100.0	90.0	120.0
60 in								90.0	100.0
66 in								90.0	100.0

IF COMBINED WITH STOREFRONT ENTRANCE DOOR (SEE SEPARATE APPROVAL), THE LESSER DESIGN PRESSURE VALUE OF THE DOOR OR STOREFRONT SYSTEM SHALL BE THE DESIGN PRESSURE FOR THE ENTIRE SYSTEM.

Window Wall Mullion Capacity (psf)									
Nominal Dim.		Unreinforced (Glass Types B & E)		Unreinforced (Glass Types A & D)		Alum. Reinf. (Glass Types C & F)		Steel Reinf. (Glass Types C & F)	
Frame Width	Frame Height	Pos (+)	Neg (-)	Pos (+)	Neg (-)	Pos (+)	Neg (-)	Pos (+)	Neg (-)
24 in	108 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		70.0	80.0	87.5	87.5	90.0	100.0	90.0	120.0
36 in		65.6	74.0	74.0	74.0	90.0	100.0	90.0	120.0
42 in		57.1	64.5	64.5	64.5	90.0	100.0	90.0	120.0
48 in						90.0	100.0	90.0	120.0
54 in								90.0	100.0
60 in								90.0	100.0
66 in								90.0	100.0
24 in	114 in	70.0	80.0	90.0	90.0	90.0	100.0	90.0	120.0
30 in		65.8	74.2	74.2	74.2	90.0	100.0	90.0	120.0
36 in		55.5	62.6	62.6	62.6	90.0	100.0	90.0	120.0
42 in						90.0	100.0	90.0	120.0
48 in						90.0	100.0	90.0	120.0
54 in								90.0	100.0
60 in								90.0	100.0
66 in								90.0	100.0
24 in	120 in	69.7	78.5	78.5	78.5	90.0	100.0	90.0	120.0
30 in		56.2	63.4	63.4	63.4	90.0	100.0	90.0	120.0
36 in		47.4	53.5	53.5	53.5	90.0	100.0	90.0	120.0
42 in						90.0	100.0	90.0	120.0
48 in						90.0	100.0	90.0	120.0
54 in								90.0	100.0
60 in								90.0	100.0
66 in								90.0	100.0
24 in	126 in	60.1	67.7	67.7	67.7	90.0	100.0	90.0	120.0
30 in		48.5	54.6	54.6	54.6	90.0	100.0	90.0	120.0
36 in		40.8	46.0	46.0	46.0	90.0	100.0	90.0	120.0
42 in						87.1	96.8	90.0	116.5
48 in								90.0	100.0
54 in								84.0	93.4
60 in									
66 in									
24 in	132 in	52.2	58.8	58.8	58.8	90.0	100.0	90.0	120.0
30 in		42.1	47.4	47.4	47.4	90.0	100.0	90.0	120.0
36 in						87.1	96.7	90.0	116.4
42 in						75.4	83.8	90.0	100.9
48 in								80.5	89.4
54 in								72.6	80.6
60 in									
66 in									
24 in	138 in	45.6	51.4	51.4	51.4	90.0	100.0	90.0	120.0
30 in		36.7	41.4	41.4	41.4	90.0	100.0	90.0	120.0
36 in						76.0	84.4	90.0	101.6
42 in								79.2	88.0
48 in								70.1	77.9
54 in									
60 in									
66 in									
24 in	144 in	40.1	45.2	45.2	45.2	90.0	100.0	90.0	120.0
30 in		32.3	36.4	36.4	36.4	79.5	88.3	90.0	106.3
36 in						66.7	74.1	80.3	89.3
42 in								69.5	77.2
48 in								61.5	68.3
54 in									
60 in									
66 in									



FRAME WIDTH = $\frac{\text{WIDTH 1} + \text{WIDTH 2}}{2}$



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
SC	7/21/15	NO CHANGE
Description: MULLION CAPACITY		
Title: STOREFRONT SYSTEM DETAILS - LM		
Series/Model:	Scale:	Sheet:
SS-3500	NTS	9 OF 10
Drawing No.		Rev:
MD-3500-LM		A

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0612.08
Expiration Date Jan. 17, 2018
By *Manuel Perez*
Miami Trade Product Control

Drawn By:
J ROSOWSKI

Date:
10/05/12

ASSEMBLY DETAILS

ALL DETAILS SHOWN FROM THE EXTERIOR

FOR CLARITY,
ANCHOR PLATE
NOT SHOWN

FOR CURVED OR ANGLED
HEADERS, CORNERS
MAY BE WELDED

EXTERIOR

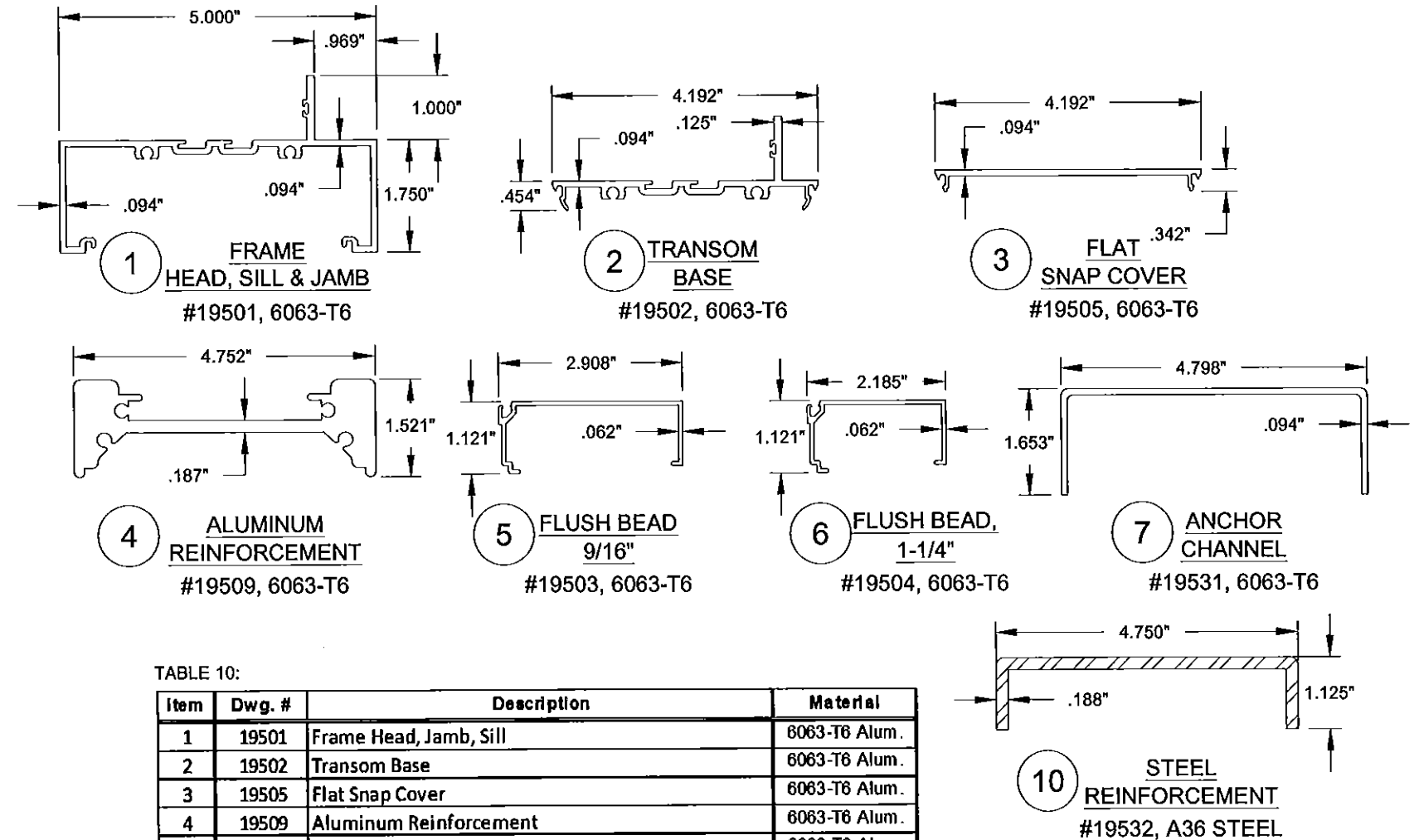
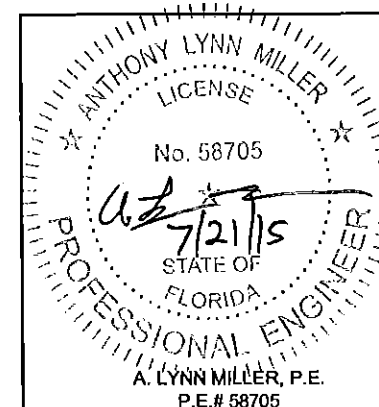


TABLE 10:

Item	Dwg. #	Description	Material
1	19501	Frame Head, Jamb, Sill	6063-T6 Alum.
2	19502	Transom Base	6063-T6 Alum.
3	19505	Flat Snap Cover	6063-T6 Alum.
4	19509	Aluminum Reinforcement	6063-T6 Alum.
5	19503	Flush Bead, 9/16"	6063-T6 Alum.
6	19504	Flush Bead, 1-1/4"	6063-T6 Alum.
7	19531	Anchor Channel, 4"	6063-T6 Alum.
10	19532	Steel Reinforcement	A36 Steel
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
40	13144	Glazing Gasket, Bead, Duro = 65 +/-5	EPDM
41	19543	Glazing Gasket, Glazing Leg, Duro = 80 +/-5	Santoprene
42		Silicone Backbedding: Dow 791, 795, GE7700	
47	2870	Edgetech I.G. 7/16" Super-Spacer	
50	712X112	#12 x 1-1/2" Hex Washer Screw, Assembly	Stainless Steel
53	76B58	#6 X 1-5/8" Bugle Head Ph. Screw, for Curved Bead.	Stainless Steel



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Revised By:	Date:	Revision:
SC	7/21/15	NO CHANGE
Description: MATERIAL/CORNER DETAILS		
Title: STOREFRONT SYSTEM DETAILS - LM		
Series/Model:	Scale:	Sheet:
SS-3500	NTS	10 OF 10
Drawing No.	Rev:	
MD-3500-LM	A	

PRODUCT REVISED
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Building Code
Acceptance No. 15-0612.08
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Miami Dade Product Control

Drawn By:
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10/05/12