



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Stormproof, Inc.
740 W 26 Street
Hialeah, FL 33010

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 "464 Non- Thermal and Thermally Broken" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 212221, titled "Stormproof® Thermal and Non-Thermal Break System - Impact - Series 464 Fixed Aluminum Window Wall", sheets 1 through 7 of 7, dated 12/22/12, prepared by manufacturer, signed and sealed by Vicente Franco, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 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.



Handwritten signature and date: 7/9/14/13

NOA No. 13-0416.18
Expiration Date: September 26, 2018
Approval Date: September 26, 2013
Page 1

Stormproof, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **212221**, titled "Stormproof® Thermal and Non-Thermal Break System – Impact - Series 464 Fixed Aluminum Window Wall", sheets 1 through 7 of 7, dated 12/22/12, prepared by manufacturer, signed and sealed by Vicente Franco, 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 203–94along with marked-up drawings and installation diagram of a Trinity series 464 single and mullied aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6993**, dated 08/27/12, signed and sealed by Marlin D. Brinson, P.E.
2. Test reports on:
 - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
 - 2) Large Missile Impact Test per FBC, TAS 201–94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203–94along with marked-up drawings and installation diagram of an two aluminum fixed window mullied together with a 1-1/16" x 3-1/2" extruded aluminum custom mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7508**, dated 08/30/13, signed and sealed by Marlin D. Brinson, P.E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC–2010, dated 04/09/13, prepared, LLC, signed and sealed by Vicente Franco, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13–0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.


Manuel Perez, P.E.

Product Control Examiner
NOA No. 13-0416.18

Expiration Date: September 26, 2018

Approval Date: September 26, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

3. Test report No. **ATI-61261.01-106-18**, prepared by Architectural Testing, Inc., dated 12/08/05, with revision date 01/04/06, issued to **Technoform**, for their **I-Strut Insulating Strip** comprised of Polyamide with 25% glass fibers, per **ASTM D635-03** "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position" and **ASTM D2843-99** "Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics", signed and sealed by Joseph A. Reed, P.E.
4. Test report No. **ETC-07-1043-19094.0**, prepared by ETC Laboratories, dated 02/04/08, issued to Technoform Bautech NA, Inc., for their **I-Strut Insulating Strip** comprised of Polyamide with 25% glass fibers, per **ASTM D638-03** "Standard Test Methods for Tensile Properties of Plastics", for exposed & unexposed sample per Xenon Arc after 4500 Hours, signed and sealed by Joseph Labora Doldan, P.E.
5. Test report No. **ETC-08-1043-20974.0**, prepared by ETC Laboratories, dated 07/01/08, issued to Technoform, for their **I-Strut Insulating Strip** comprised of Polyamide with 25% glass fibers, per **ASTM D1929-96** "Standard Test Method for Ignition Properties of Plastics", signed and sealed by Joseph Doldan, P.E.
6. Material Data Sheet for "insulating profiles made of PA 66 GF25 - dry impact resistant, to fit into Technoform I-Strut™ Aluminum Standard Reglet.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010**, issued by Multi Span Structural Engineering, Corp., dated April 12, 2013, signed and sealed by Vicente Franco, P.E.
2. Statement letter of no financial interest, issued by Multi Span Structural Engineering, Corp., dated February 13, 2013, signed and sealed by Vicente Franco, P.E.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 13-0416.18

Expiration Date: September 26, 2018

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STORMPROOF®

THERMAL AND NON-THERMAL BREAK SYSTEM

IMPACT SERIES 464

FIXED ALUMINUM WINDOW WALL

These windows are rated for large and small missiles
Shutters are not required

MAX DESIGN PRESSURE
+ 15 - 200
SEE SHEETS 2, 3, & 4

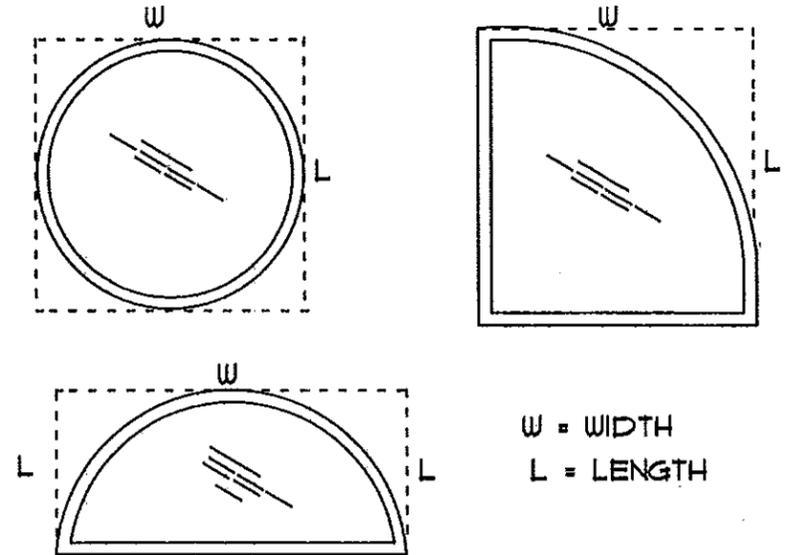
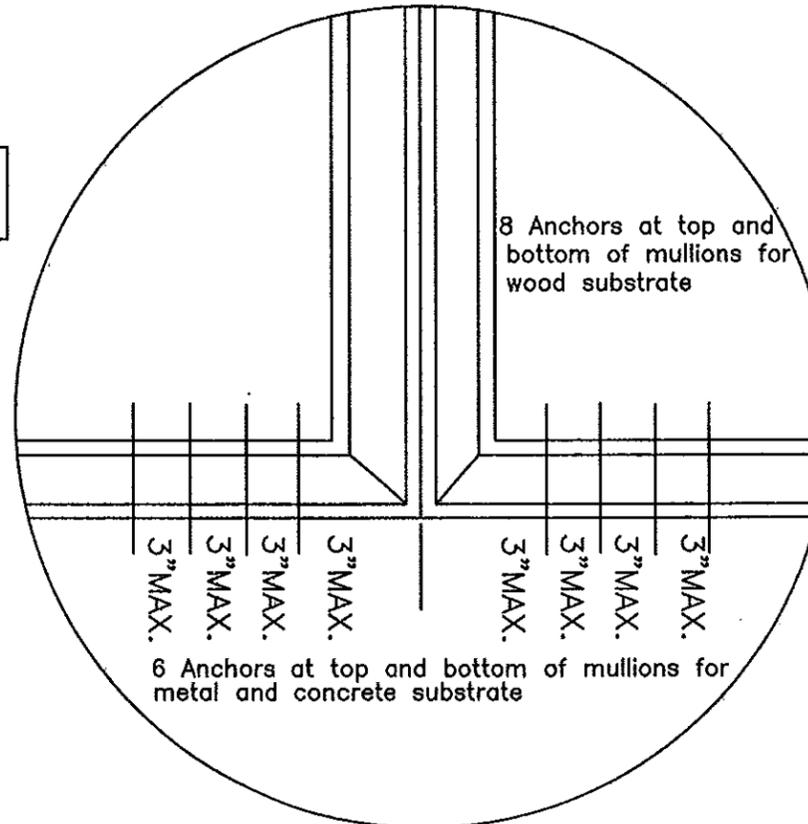
GENERAL NOTES

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH FLORIDA BUILDING CODE HIGH VELOCITY HURRICANE ZONE (HVHZ). WHEN USED IN AREAS REQUIRING BORNE DEBRIS PROTECTION THIS PRODUCT COMPLIES WITH SECTION 1609.12. OF THE (FBC) 'SHUTTERS NOT REQUIRED' ANCHORS SHALL BE SPACED, EMBEDDED AND HAVE AN EDGE DISTANCE AS SHOWN ON DETAILS AND SHALL MEET THE REQUIREMENT OF FLORIDA BLDG CODE SECTION 2003.8.4

COMBINATIONS OF FIXED/FIXED OR OTHER TYPES IN MODULES OF TWO OR MORE WINDOWS SHALL USE APPROVED MULLIONS OR STORMPROOF® MULLION SYSTEM. OPENING'S BUCKING FASTENER MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO STRUCTURE.

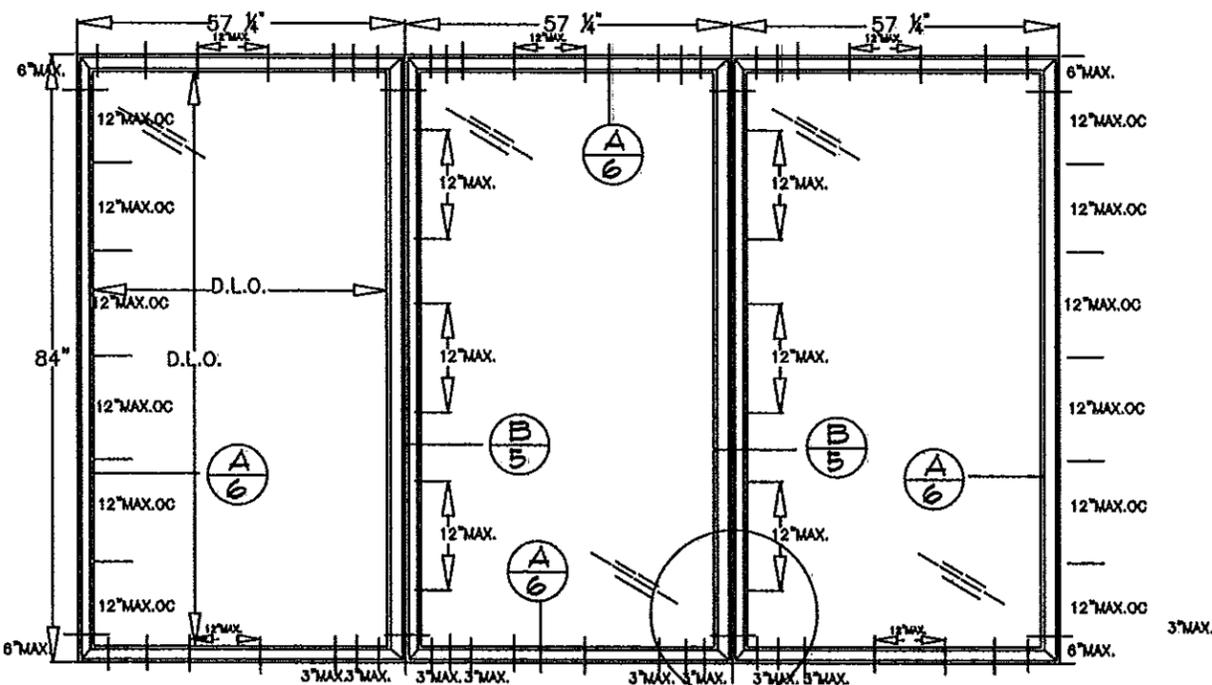
THESE PRODUCTS WERE TESTED FOR WATER, AIR, IMPACT CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE TO FLORIDA BUILDING CODE PROTOCOLS TAB-202-201-203 FOR LARGE MISSILE CODE'S

DETAIL TYPICAL UNCLIPPED MULLION

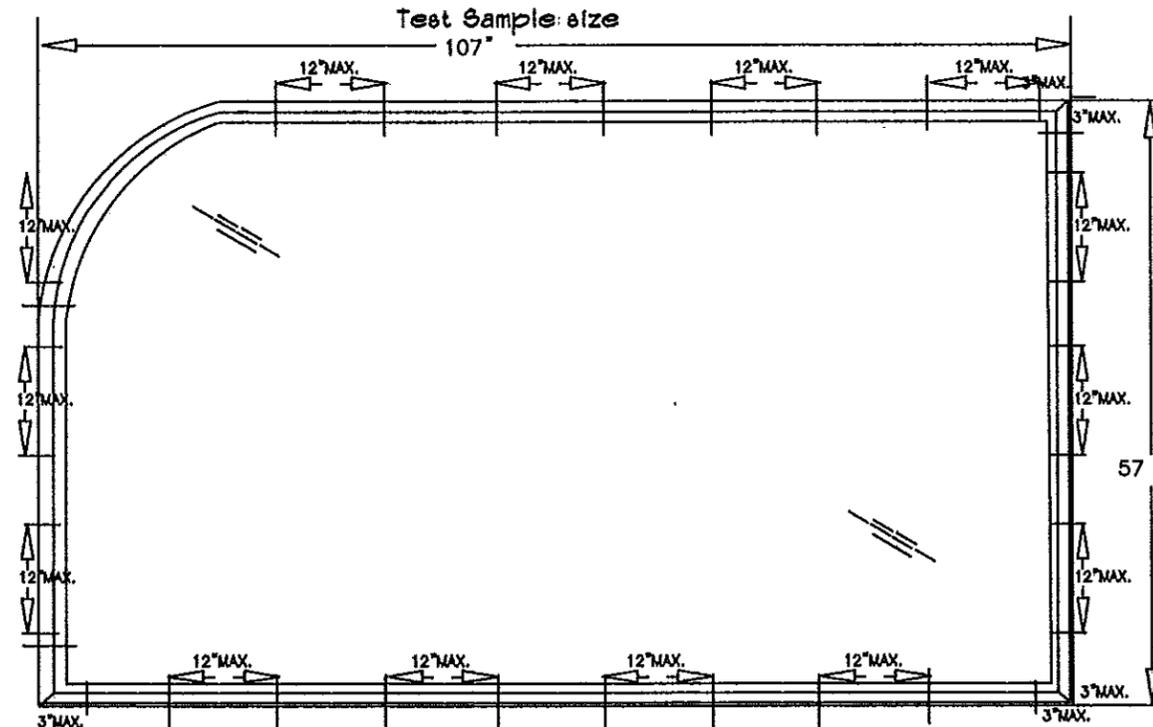


NOTE: ALLOWABLE ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE OBTAINED BY INSCRIBING PICTURE

For dimensions and design loads
See pages 2, 3 and 4
For anchoring information and details
See page 6



TYPICAL ELEVATION WITH UNCLIPPED MULLION STORMPROOF®



Approved as complying with the
Florida Building Code
Date Sept 26, 2013
NOAH 13-0416-18
Miami Dade Product Control
By Mameel Perez
Miami Dade Product
Control Division

9-19-13
Vicente Franco P.E.
Structural
Fla. Lic. 62531

Drawn By: <u>G M</u>	Revision
Date: <u>12/22/12</u>	Revision
Chk By: <u>V F</u>	Revision

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Toll Free 888-448-4848
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DWG. # 21221

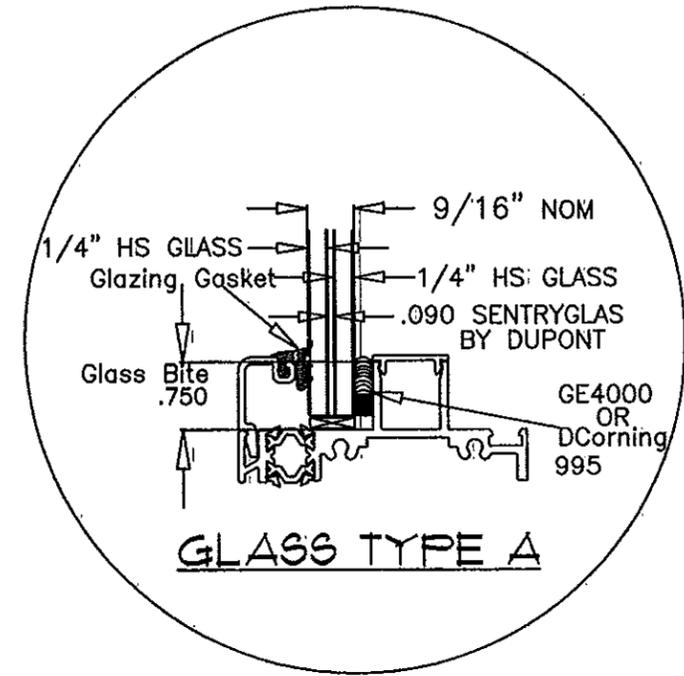
Sheet 1 of 7

Design Load Capacity Table For Single Units

DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE A		GLASS TYPE B	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18	74 1/2	75.0	140.0	75.0	200.0
24		75.0	140.0	75.0	200.0
30		75.0	140.0	75.0	200.0
36		75.0	140.0	75.0	200.0
37 1/4		75.0	140.0	75.0	200.0
18	84	75.0	140.0	75.0	200.0
24		75.0	140.0	75.0	200.0
30		75.0	140.0	67.6	180.3
36		75.0	140.0	-	-
42		75.0	140.0	-	-
48		75.0	140.0	-	-
54		75.0	140.0	-	-
57 1/4		75.0	140.0	-	-
60		75.0	105.0	-	-
18		90	75.0	140.0	75.0
24	75.0		140.0	71.1	189.6
27	75.0		140.0	62.3	166.1
30	75.0		140.0	-	-
36	75.0		140.0	-	-
42	75.0		140.0	-	-
48	75.0		139.3	-	-
54	75.0		105.0	-	-
60	75.0		105.0	-	-
18	96		75.0	140.0	75.0
24		75.0	140.0	58.6	156.2
30		75.0	140.0	-	-
36		75.0	140.0	-	-
42		75.0	134.5	-	-
48		75.0	105.0	-	-
54		75.0	105.0	-	-
60		75.0	105.0	-	-

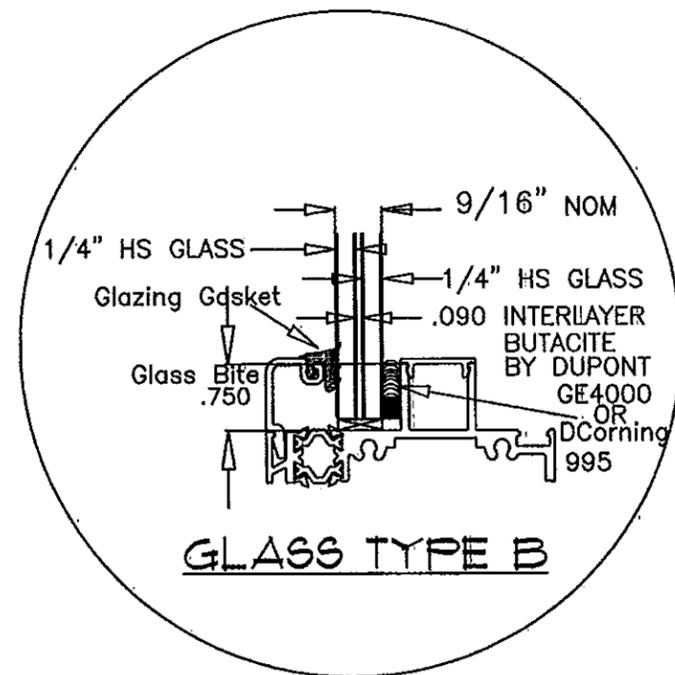
DESIGN LOAD CAPACITY - PSF						
WINDOW DIMS.		GLASS TYPE A		GLASS TYPE B		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
18	106 5/8	75.0	140.0	59.3	158.0	
24		75.0	140.0	-	-	
30		75.0	140.0	-	-	
36		75.0	117.7	-	-	
42		75.0	105.0	-	-	
48		75.0	105.0	-	-	
54		75.0	105.0	-	-	
57 1/4		75.0	105.0	-	-	
18		108	75.0	140.0	-	-
24			75.0	140.0	-	-
30	75.0		139.2	-	-	
36	75.0		113.3	-	-	
42	75.0		105.0	-	-	
48	75.0		106.6	-	-	
54	75.0		105.0	-	-	
18	120		75.0	140.0	-	-
24			75.0	130.6	-	-
30			75.0	105.0	-	-
36		75.0	105.0	-	-	
42		75.0	105.0	-	-	
48		65.1	91.2	-	-	
18		132	75.0	119.7	-	-
24			75.0	105.0	-	-
30	75.0		105.0	-	-	
36	67.8		95.0	-	-	
42	57.3		80.2	-	-	
18	144		75.0	105.0	-	-
24			75.0	105.0	-	-
30			64.5	90.4	-	-
36		52.6	73.7	-	-	
42		44.5	62.2	-	-	

GLAZING DETAIL

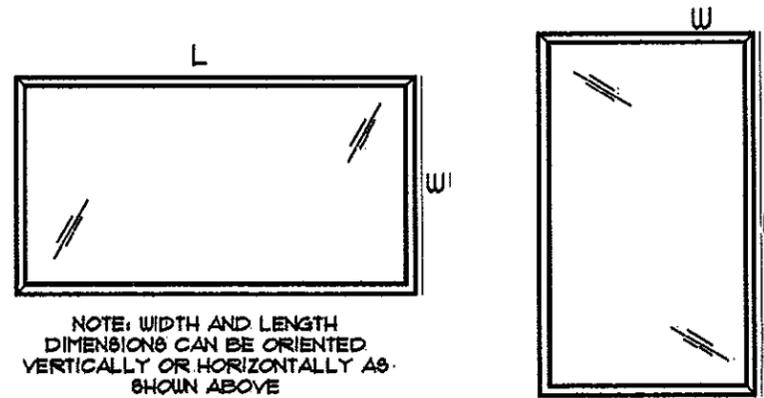


GLASS TYPE A

GLAZING DETAIL



GLASS TYPE B



Approved as complying with the Florida Building Code
 Date: Sept. 26, 2013
 NOAH 1310416.1B
 Miami Dade Product Control
 By: *M. J. [Signature]*
 Miami Dade Product Division Control

[Signature] 9-19-13
 Vicente Franco PE
 Structural
 Fla. Lic. 62531

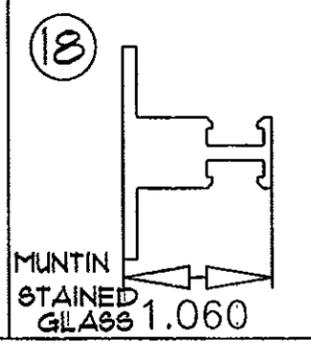
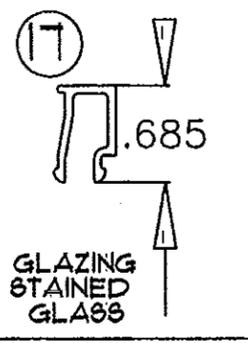
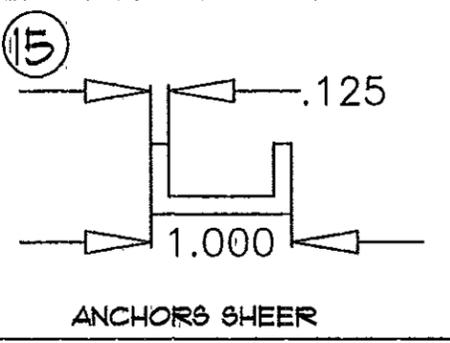
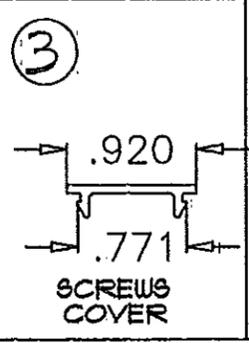
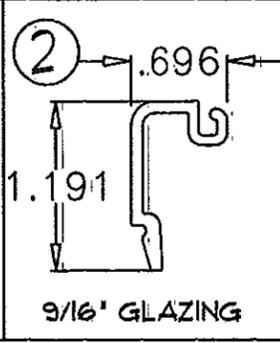
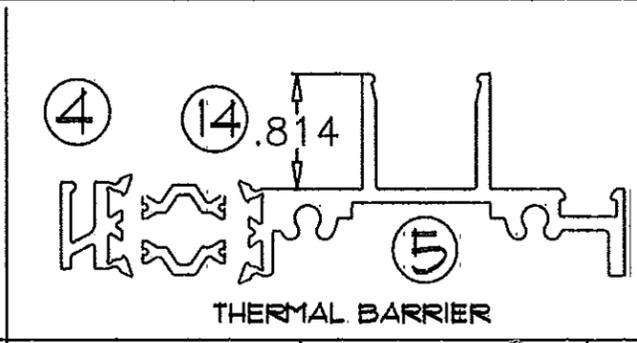
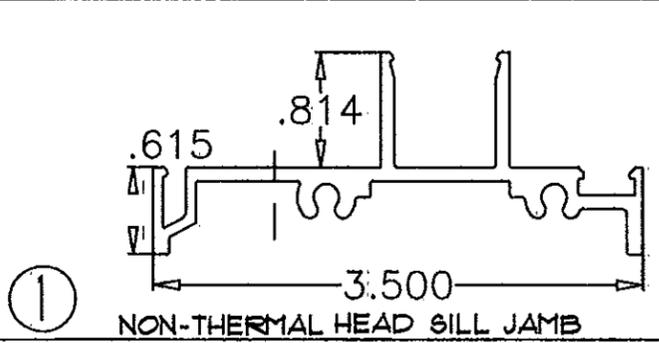
Drawn By: G.M	Revision
Date: 12/22/12	Revision
Chk By: Y.F	Revision



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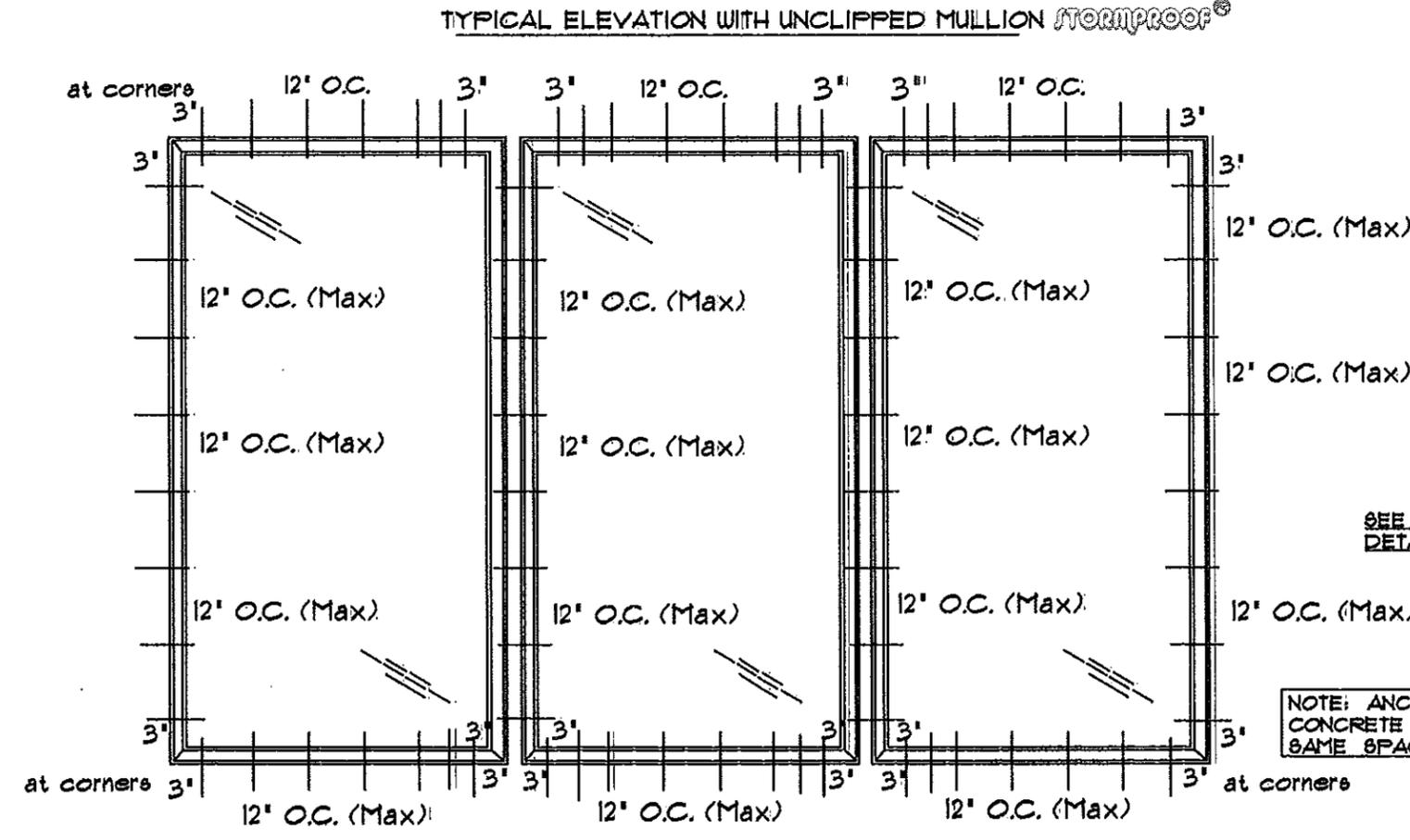
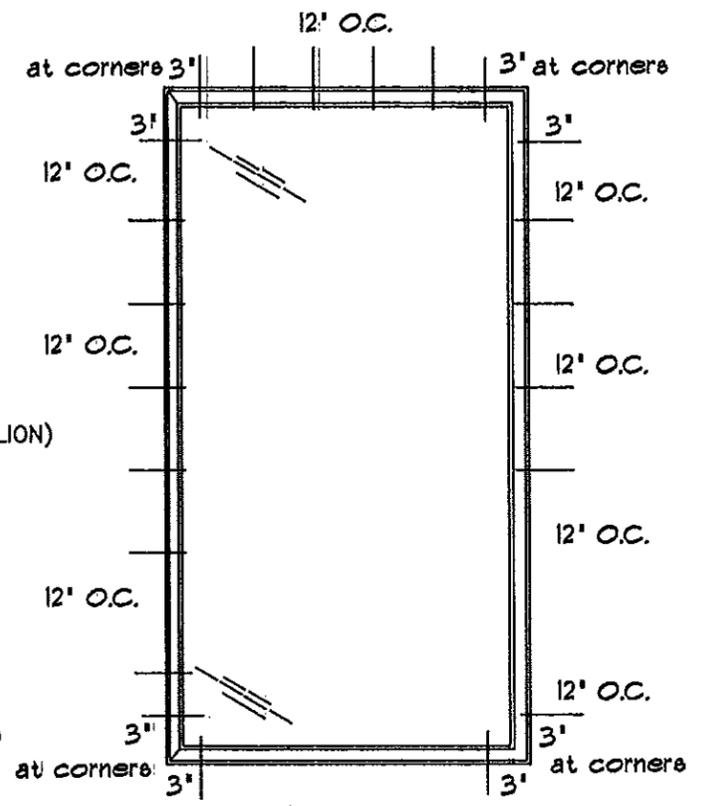
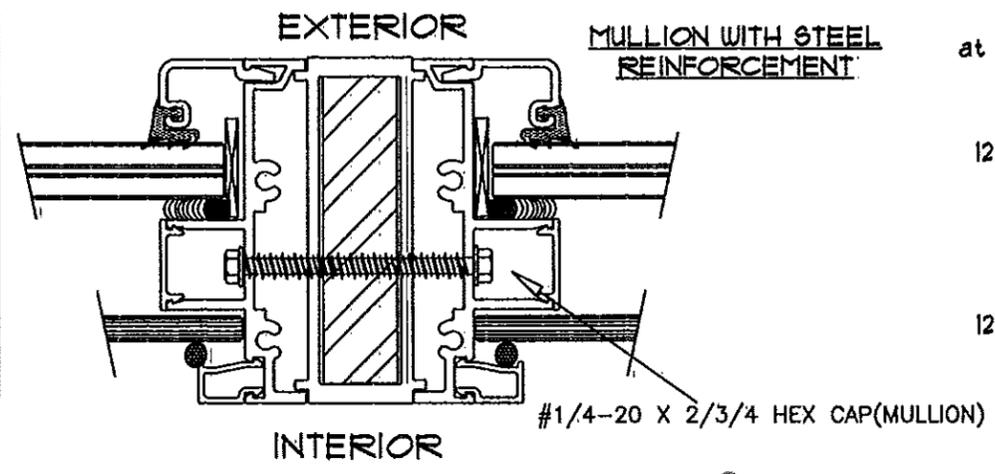
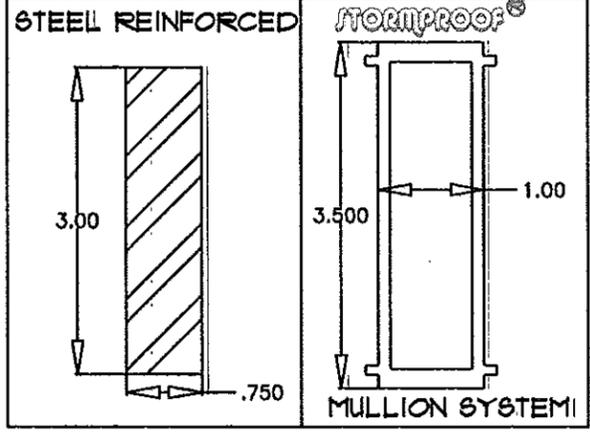
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DWG. # 212221
 Sheet 2 of 7



Design Load Capacity Table For Mullied Units W/Steel reinforced Stormproof Mullion

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		MULLION W/STEEL REINF.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
18	72	75.0	140.0
24		75.0	140.0
30		75.0	140.0
36		75.0	140.0
42		75.0	140.0
48		75.0	140.0
54	84	75.0	140.0
60		75.0	140.0
18		75.0	140.0
24		75.0	140.0
30		75.0	140.0
36		75.0	140.0
42	75.0	140.0	
48	75.0	140.0	
54	75.0	140.0	
57 1/4"	75.0	95.0	
60	75.0	90.0	



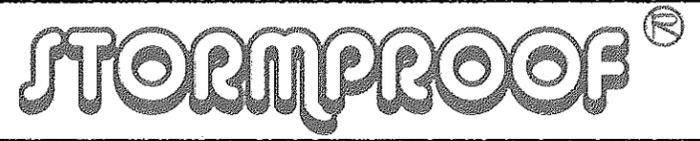
SEE PAGE 6 FOR ANCHORING DETAILS

NOTE: ANCHORING TO MASONRY WOOD, CONCRETE AND METAL WILL HAVE THE SAME SPACING (O.C.)

Approved as complying with the Florida Building Code
 Date Sept. 26, 2013
 NOA# 13-0416.13
 Miami Dade Product Control
 By Manuel Perez
 Miami Dade Product Control Division

9-19-13
 Vicente Franco P.E.
 Structural
 Fla. Lic. 62531

Drawn By: G M	Revision
Date: 12/22/12	Revision
Chk By: V F	Revision



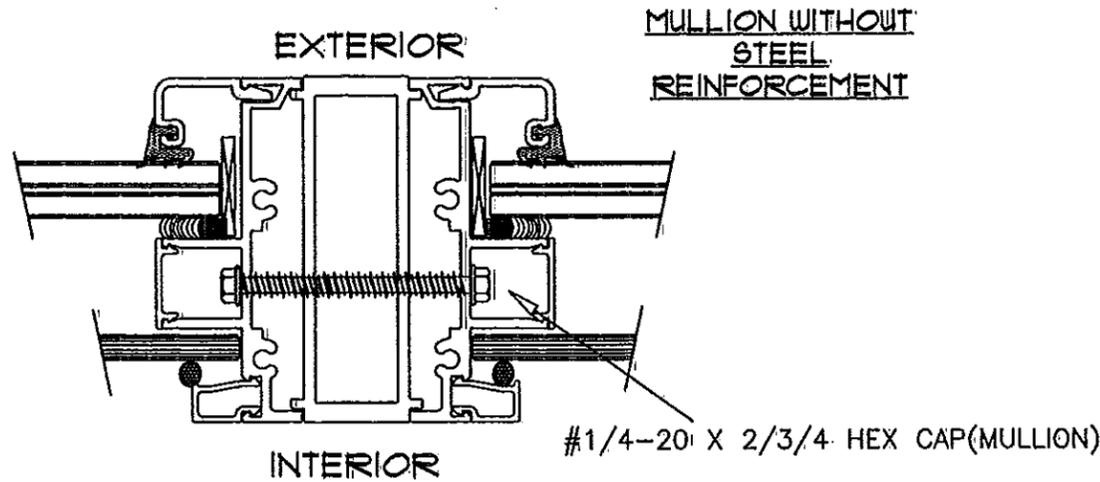
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DWG. # 212221
 Sheet 3 of 7

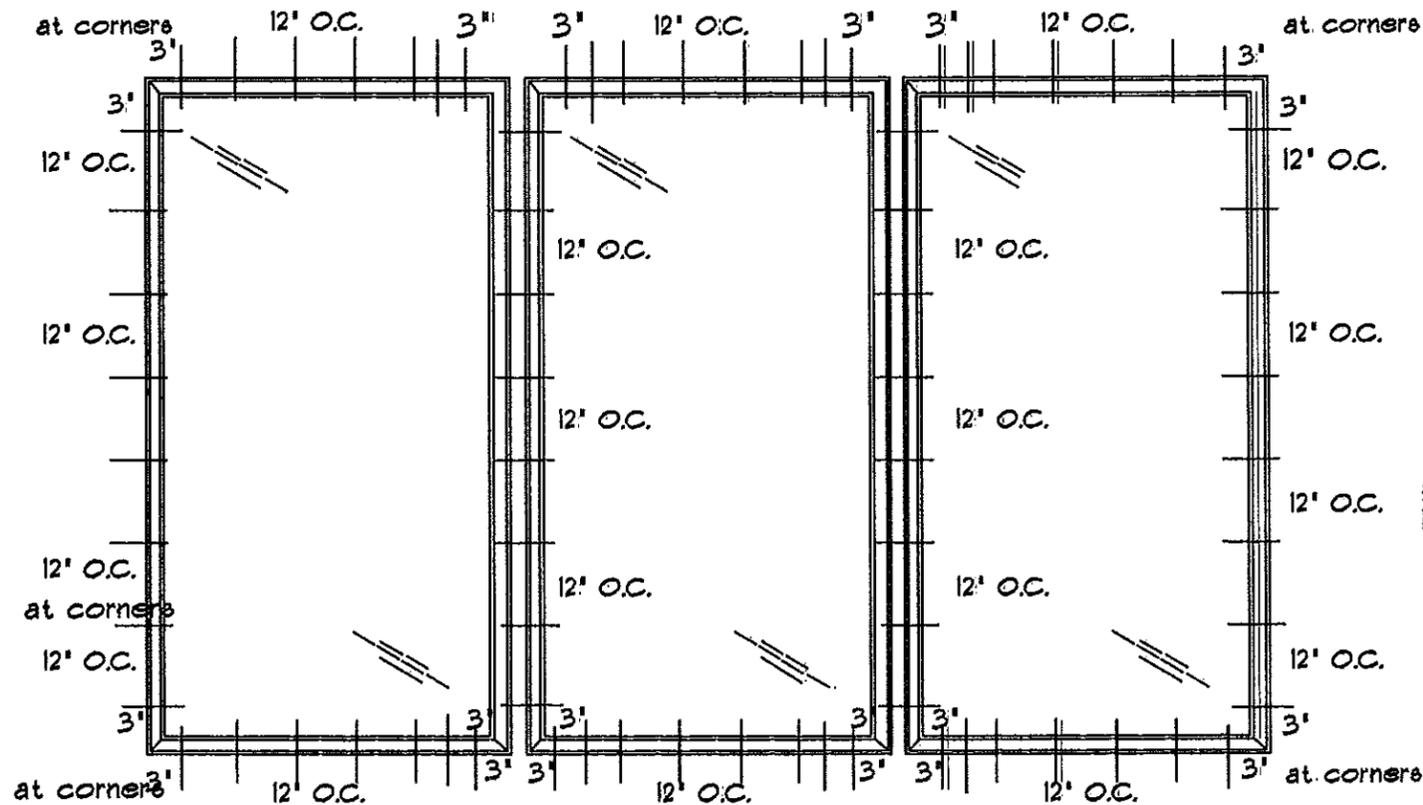
Design Load Capacity Table
For Mullion Units W/ **STORMPROOF**® Mullion System

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		MULLION WITHOUT/ STEEL REINF.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
18	60	75.0	105.0
24		75.0	105.0
30		75.0	105.0
36		75.0	105.0
42		75.0	105.0
48		75.0	105.0
54		75.0	105.0
60	75.0	105.0	
18	66	75.0	105.0
24		75.0	105.0
30		75.0	105.0
36		75.0	105.0
42		75.0	105.0
48		75.0	105.0
54		75.0	105.0
60	75.0	105.0	
18	72	75.0	105.0
24		75.0	105.0
30		75.0	105.0
36		75.0	105.0
42		75.0	105.0
48		75.0	105.0
54		75.0	105.0
60	75.0	95.0	
18	78	75.0	105.0
24		75.0	105.0
30		75.0	105.0
36		75.0	105.0
42		75.0	105.0
48		75.0	95.0
54		75.0	85.0
60	75.0	75.0	



NOTE: ANCHORING TO MASONRY, WOOD, CONCRETE, AND METAL WILL HAVE THE SAME SPACING (O.C.)

TYPICAL ELEVATION WITH UNCLIPPED MULLION **STORMPROOF**®
Lower Design Pressure shall Control



SEE PAGE 6 FOR ANCHORING DETAILS

Approved as complying with the
Florida Building Code
Date Sept. 26, 2013
NOA# 13-0416-18
Miami Dade Product Control
By: *Manuel Perez*
Miami Dade Product
Control Division

[Signature] 9-19-13

Yicente Franco P.E.
Structural
Fla. Lic. 62531

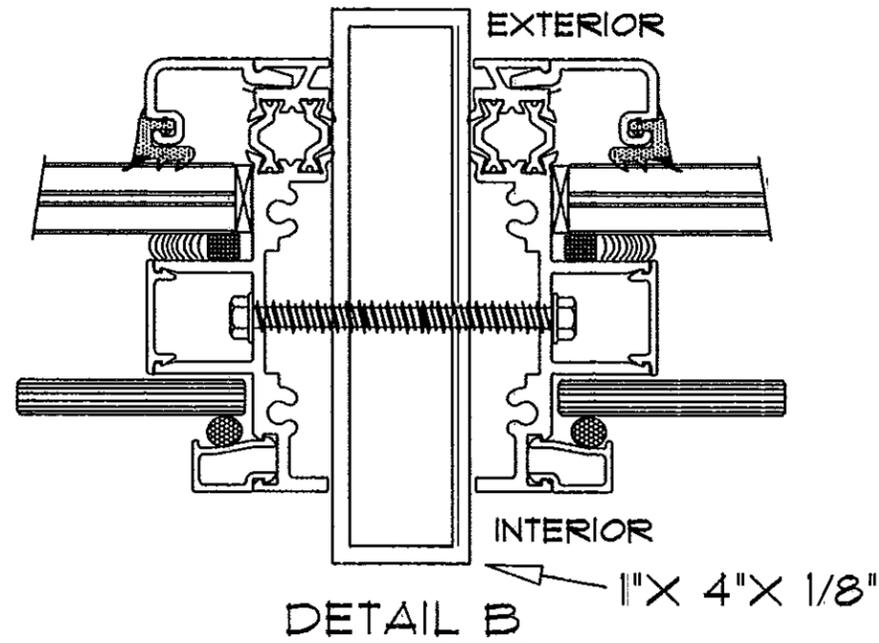
Drawn By: GM	Revision
Date: 12/22/12	Revision
Chk By: VF	Revision

STORMPROOF®

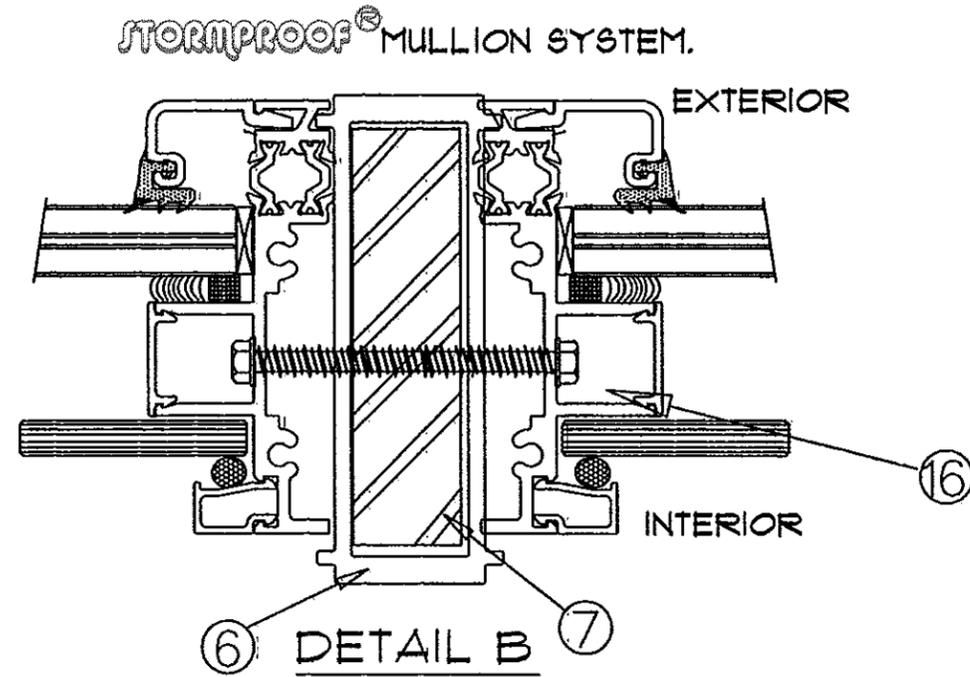
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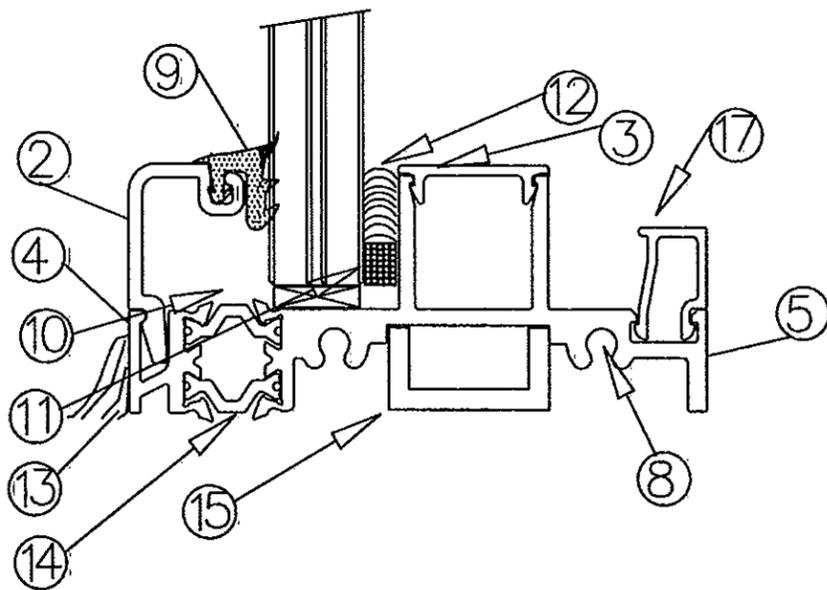
DWG. # 212221
Sheet 4 of 7



STANDARD MULLION under Separate NOA
Lower Design Pressure Shall Control



WOOD BUCKS OR METAL
STRUCTURE NOT BY STORMPROOF



ITEM	QUANTITY	PART	DESCRIPTION	MATERIAL	SUPPLIER
1	4	13871	Non-Thermal frame Head/Sill/Jamb	6063-T6	
2	AS REQD	13866	Glazing Bead (9/16" LAM. Glass)	6063-T6	
3	4	13868	Snap Cover	6063-T6	
4	4	13869	Front Thermal frame Head/Sill/Jamb	6063-T6	
5	4	13870	Rear Thermal frame Head/Sill/Jamb	6063-T6	
6	AS REQD	13872	1"X3" Custom Tube 1 3/8"x 3 1/2"	6063-T6	
7	AS REQD	SP-118	Steel Reinforcement 3/4"x 3"	HOT ROD	
8	2/CORNER	-	# 12 x 1 1/2" Assembly Screws	Plated	
9	AS REQD	SP-122	Glazing Gasket	SANTOPRENE	Team Plastic
10	2/Lite	SP-128	Setting Blocks 1/8" x 1/2" x 1 1/2"	SANTOPRENE	Team Plastic
11	AS REQD	SP-129	Thermal bond V-2104	Open-Cell	TSF TAMPA
12	AS REQD	SP-114 SP-138	Structural Glazing: D.C. 995 G.E. 4000	Silicone	Dow Corning G.E.
13	AS REQD	SP-113	Perimeter Glazing Dow Corning 790	Caulking	Dow Corning
14	AS REQD	SP-133	Structural Thermal Break System	Polyamide	Techno 952100 Bautec
15	AS REQD	SP-134	ALUMINUM ANCHOR SHEER	6063-T6	
16	AS REQD	SP-139	#1/4-20 X 2/3/4 HEX CAP(MULLION)	GRADE B	
17	AS REQD	13865	Stained Glass Glazing Bead	6063-T6	
18	AS REQD	13864	Muntin Stained Glass	6063-T6	

Approved as complying with the
Florida Building Code
Date Sept. 26, 2013
NOA# 13-0416.18
Miami Dade Product Control

By *Manuel Perez*

Miami Dade Product
Control Division

9-19-13

Yicente Franco PE
Structural
Fla. Lic. 62531

Drawn By: G M	Revision
Date: 12/22/12	Revision
Chk By:	Revision

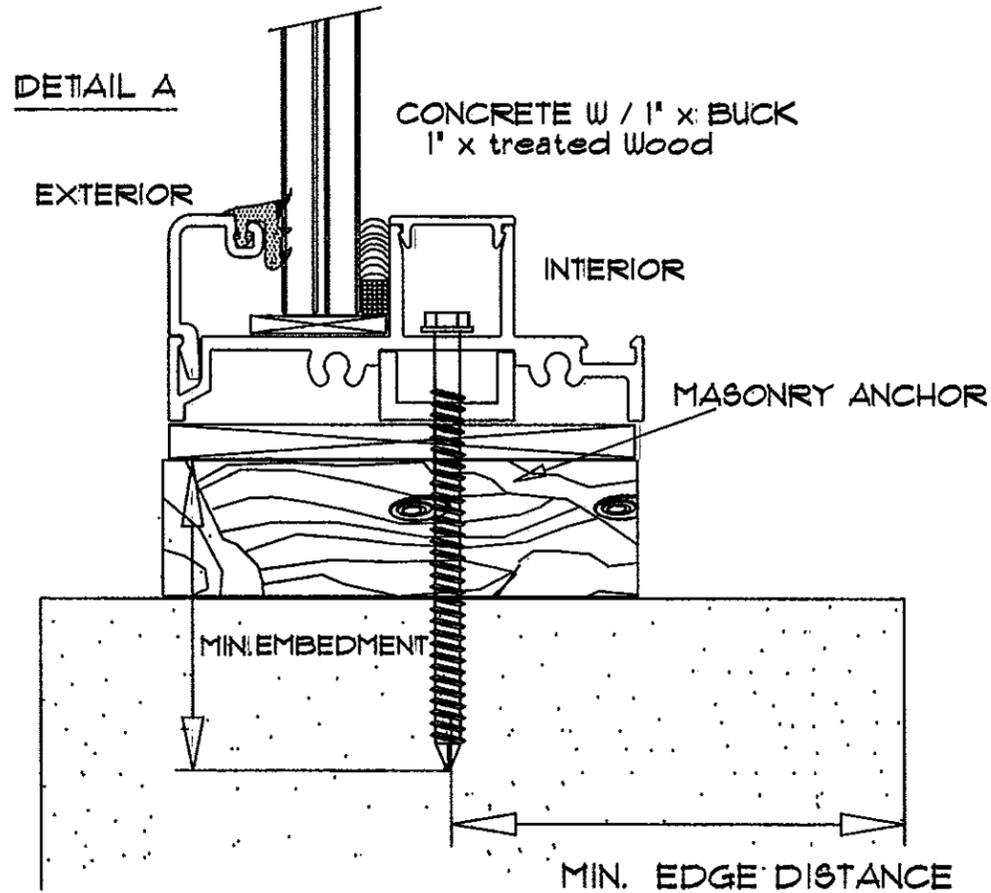
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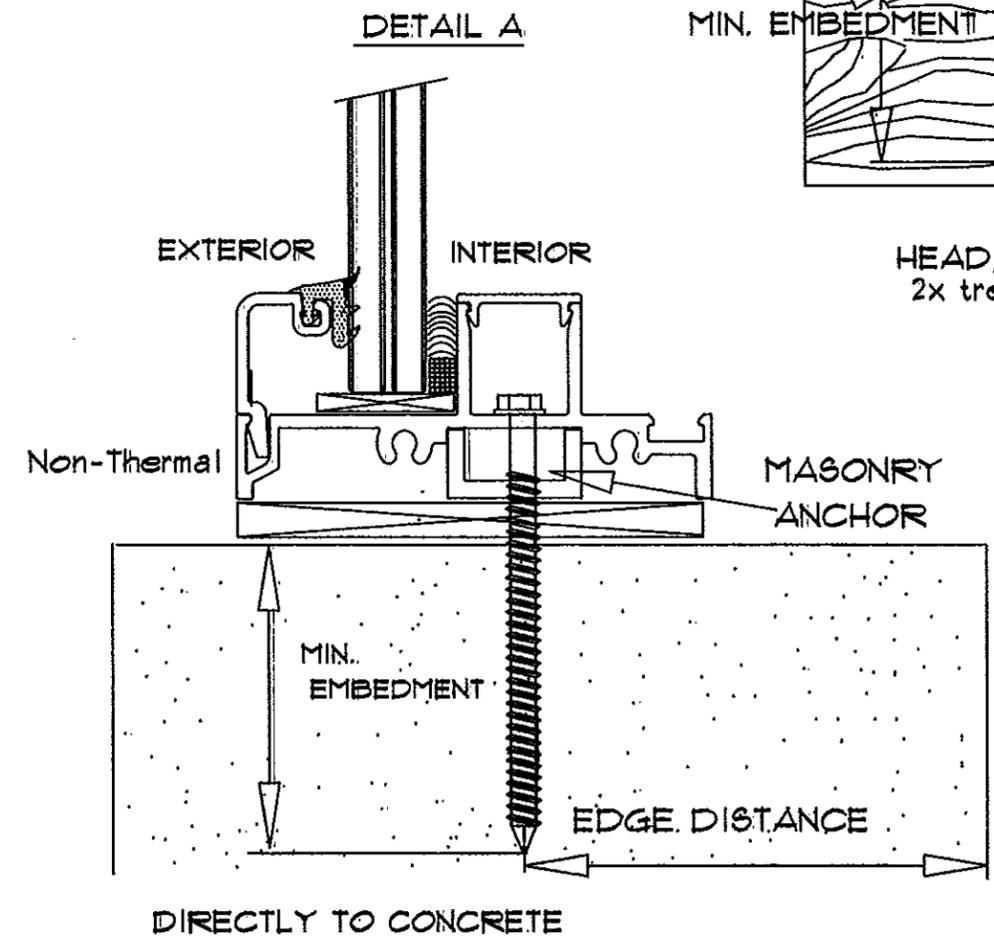
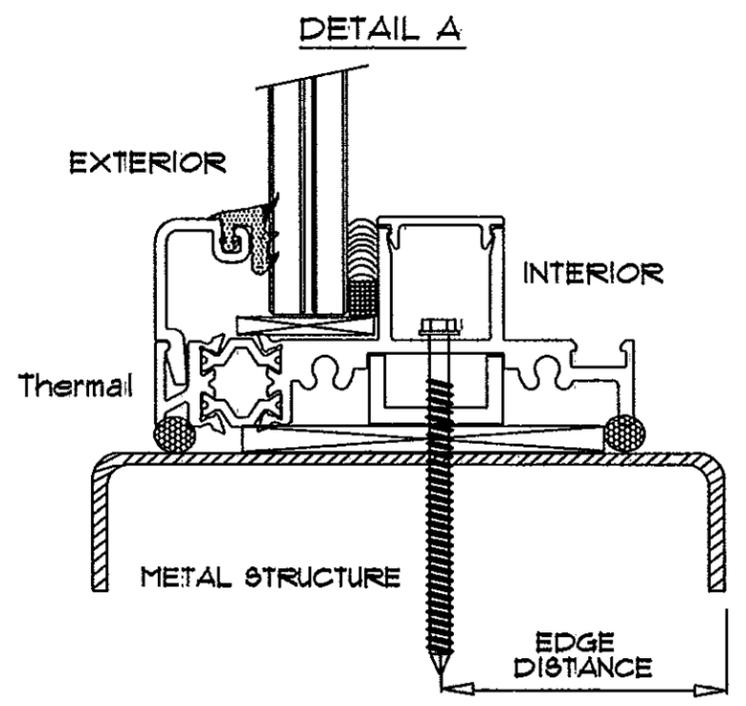
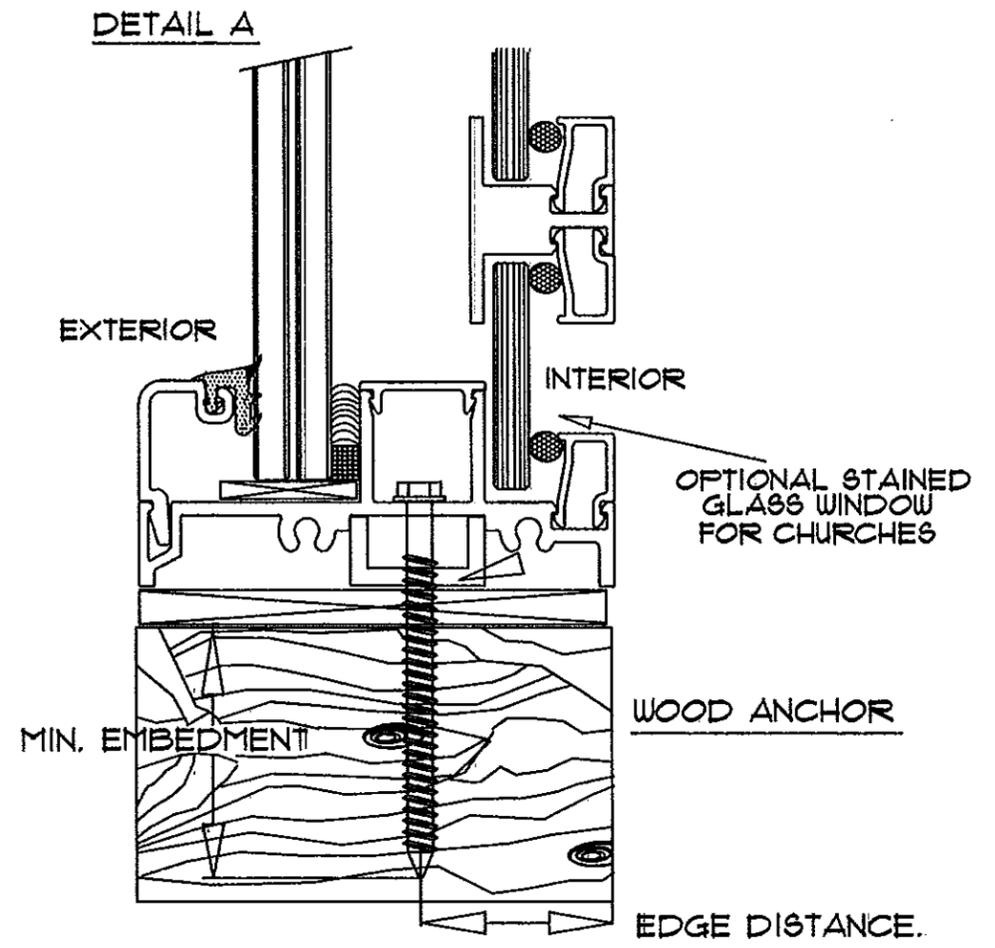
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Sheet 5 of 7



1/4" DIA KWIK CON BY HILTI
 THRU I BY INTO CONC. OR MASONRY 1-3/4" MIN.
 INTO CONC OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY 1-3/4" MIN! EMBED
 INTO CONC OR MASONRY
* 14 SMC OR SELF DRILLING SCREWS
 INTO METAL STRUCTURES
 STEEL: 12 GA. MIN (Fy- 36 KSI MIN.)
 ALUMINUM: 1/8" THK MIN. (6063-T5 MIN.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED
 OR PLATED)
1/4" DIA LAG SCREW
 INTO 2" X WOOD BUCKS OR WOOD STRUCTURES 2" MIN.
 PENETRATION INTO WOOD:
 ANCHOR EDGE DISTANCE:
 INTO CONC. OR MASONRY = 1 1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 1/2" MIN.
 CONCRETE AT HEAD, SILL, OR JAMBS f'c = 3000 psi min
 C- 90 HOLLOW-FILLED BLOCK AT JAMBS f'c = 2000 psi min
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
 BEAM-SEALER OR EQUAL



HEAD, SILL & JAMB
2x treated Wood

Approved as complying with the
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Date: SEP 26, 2013
NOA# 13-0416, 18
Miami Dade Product Control
By: Manuel Perez
Miami Dade Product
Control Division

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Drawn By: <u>G M</u>	Revision
Date: <u>12/22/12</u>	Revision
Chk. By:	Revision

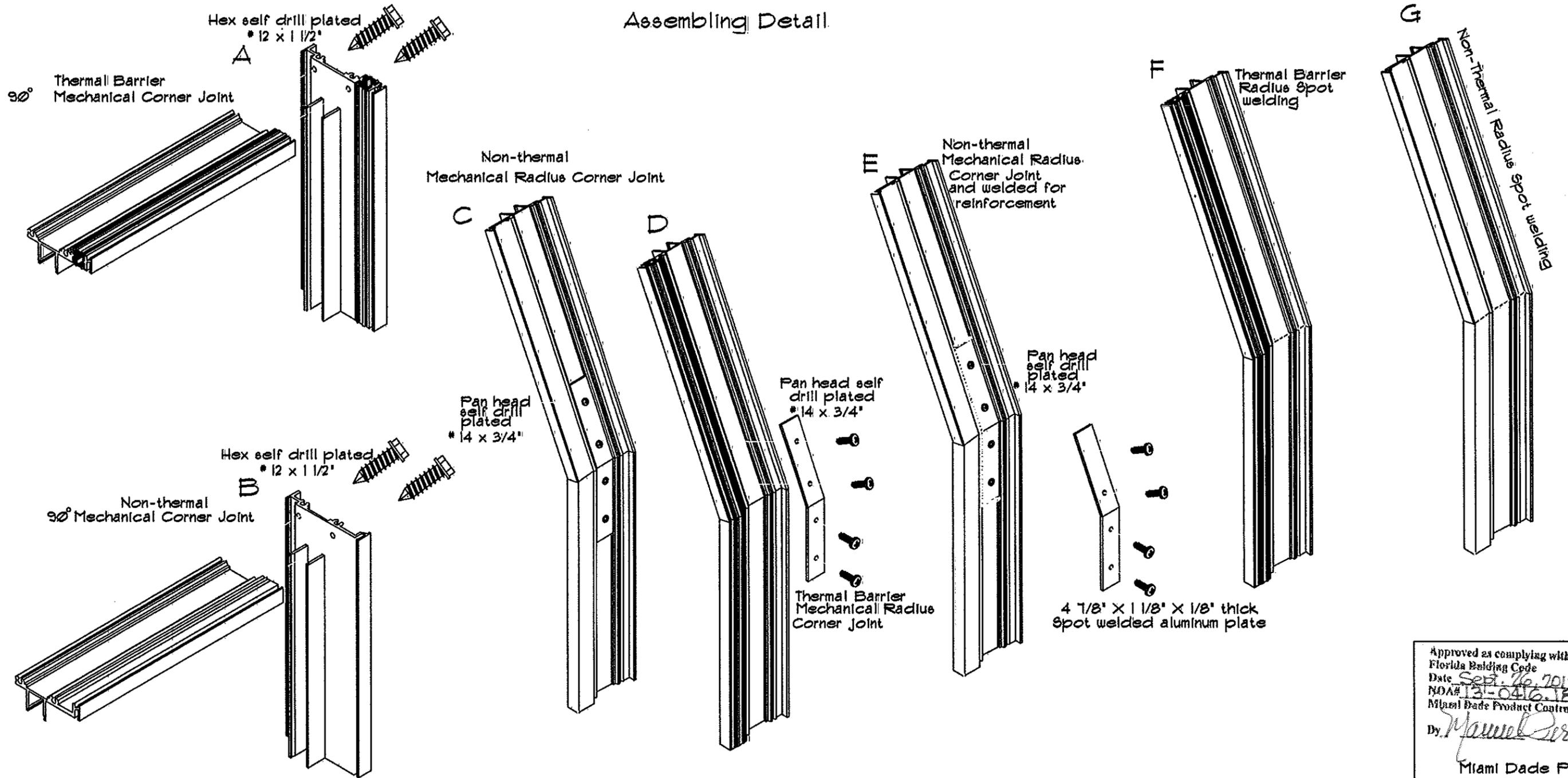
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DWG. # 21221
Sheet 6 of 7

Assembling Detail



A	Thermal Barrier 90° Mechanical Corner Joint Hex Self Drill Plated *12 x 1 1/2"
B	Non-Thermal Barrier 90° Mechanical Corner Joint Hex Self Drill Plated *12 x 1 1/2"
C	Non-Thermal Mechanical Radius Corner Joint
D	Thermal Barrier Mechanical Radius Corner Joint Pan Head Self Drill Plated *14 x 3/4"
E	Non-Thermal Mechanical Radius Corner Joint and Welded For Reinforcement
F	Thermal Barrier Radius Spot Welding
G	Non-Thermal Radius Spot Welding

Approved as complying with the
 Florida Building Code
 Date Sept. 16, 2013
 NOA# 13-0416-15
 Miami Dade Product Control
 By: Manuel Perez
 Miami Dade Product
 Control Division

9-19-13
 Vicente Franco P.E.
 Structural
 Fla. Lic. 62531

Drawn By: <u>G M</u>	Revision
Date: <u>12/22/12</u>	Revision
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 Sheet 7 of 7