



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Town & Country Industries, Inc.
400 West McNab Road
Ft. Lauderdale, Florida 33309

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.0615" (min.) Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 05-354, titled "0.0615" Aluminum Storm Panel", sheets 1 through 6 of 6, prepared by Thornton-Tomasetti Group, dated June, 29, 2005, last revision #0 dated June 29, 2005 signed and sealed by V.J. Knezevich, P.E. bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the 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 & renews** NOA # **03-0421.12** and consists of this page 1, evidence submitted pages E-1 and E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



Helmy A. Makar
 02/16/2006

NOA No 05-0713.02
Expiration Date: 07/19/2011
Approval Date: 02/16/2006
Page 1

Town & Country Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-1212.05

A. DRAWINGS

1. *Drawing no. 00-205, titled " 0.0615" Aluminum Storm Pane ", prepared by Knezevich & Associates, Inc., dated December 8, 2000, last revision #1 dated May 24, 2001, sheets 1 through 6 of 6, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Uniform Static Air Pressure Test and Cyclic Wind Pressure Test of 0.0615" aluminum storm panels, prepared by Construction Testing Corporation, Report No. CTC-00-038, dated November 7, 2000, signed and sealed by Yamil G. Kuri, P.E.*
2. *Letter from Construction Testing Corporation, for test report No. CTC-00-038, dated June 1, 2001, for the panel thickness, signed and sealed by George Dotzler.*

C. CALCULATIONS

1. *Comparative analysis and Anchor Analysis, dated December 8, 2000, pages 1 through 52, prepared by Knezevich and Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*
2. *Revised Comparative analysis and Anchor Analysis, dated June 20, 2001, pages 1 through 4, prepared by Knezevich and Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report of coils, not dated, for Aluminum Alloy 3004-H34 by Jupiter Aluminum Corp., with chemical composition and physical properties.*
2. *Tensile Test Report from Certified Testing Laboratories, Test Report # CTL - 799F dated August 28, 2000, for Aluminum sample #00-038, tested per ASTM E8-93, signed and sealed by Ramesh Patel, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0421.12

A. DRAWINGS

1. *Drawing No. 03-260, titled " 0.0615" Aluminum Storm Panel ", sheets 1 through 6 of 6, prepared by Knezevich & Associates, Inc., dated April 04, 2003, last revision #1 dated September 23, 2003 signed and sealed by V.J. Knezevich, P.E.*

B. TESTS

1. *None.*



Helmy A. Makar, P. E.
Product Control Examiner
NOA No 05-0713.02
Expiration Date: 07/19/2011
Approval Date: 02/16/2006

Town & Country Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSOURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 05-354, titled " 0.0615" Aluminum Storm Panel ", sheets 1 through 6 of 6, prepared by Thornton-Tomasetti Group, dated June 29, 2005, last revision #0 dated June 29, 2005 signed and sealed by V.J. Knezevich, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Anchor Analysis, dated June 15, 2005, 31 pages, prepared by Thornton-Tomasetti Group, signed and sealed by V. J. Knezevich, P.E.*

D. QUALITY ASSOURANCE

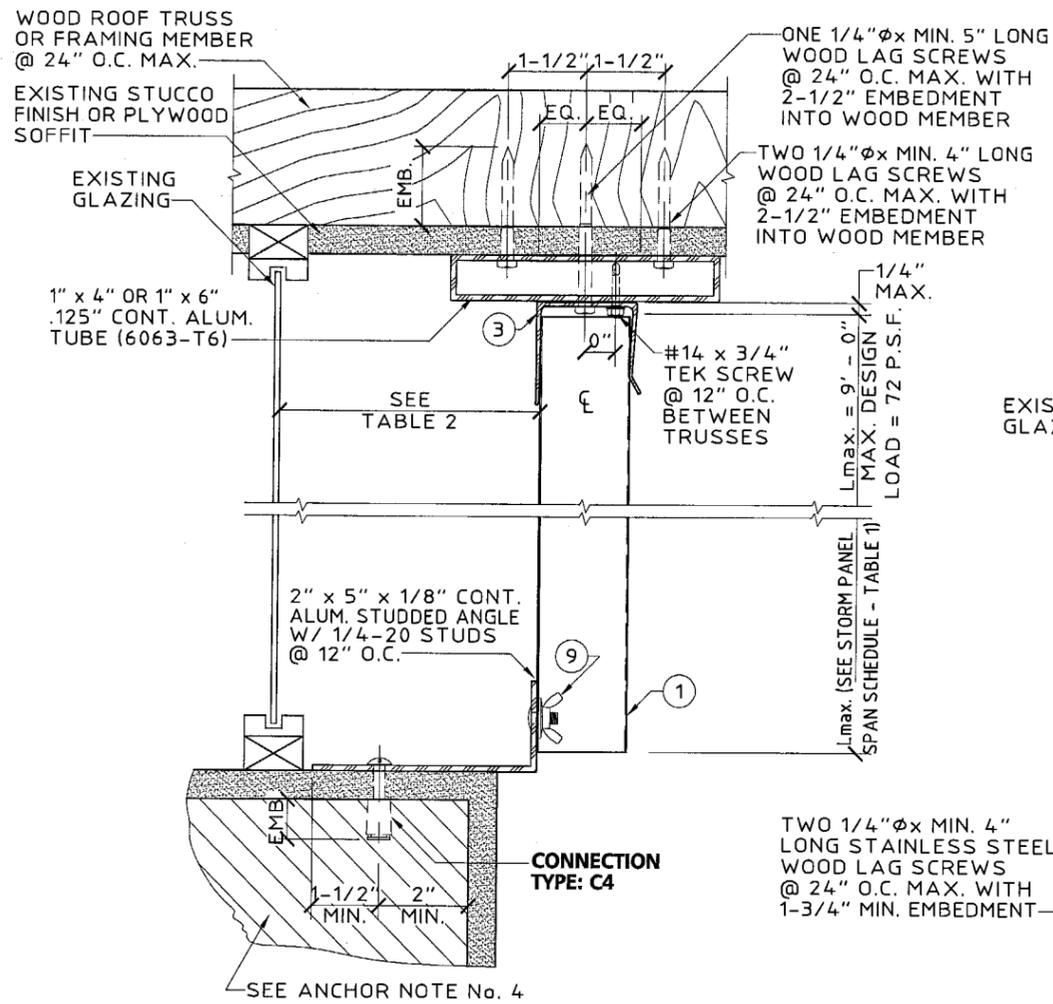
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

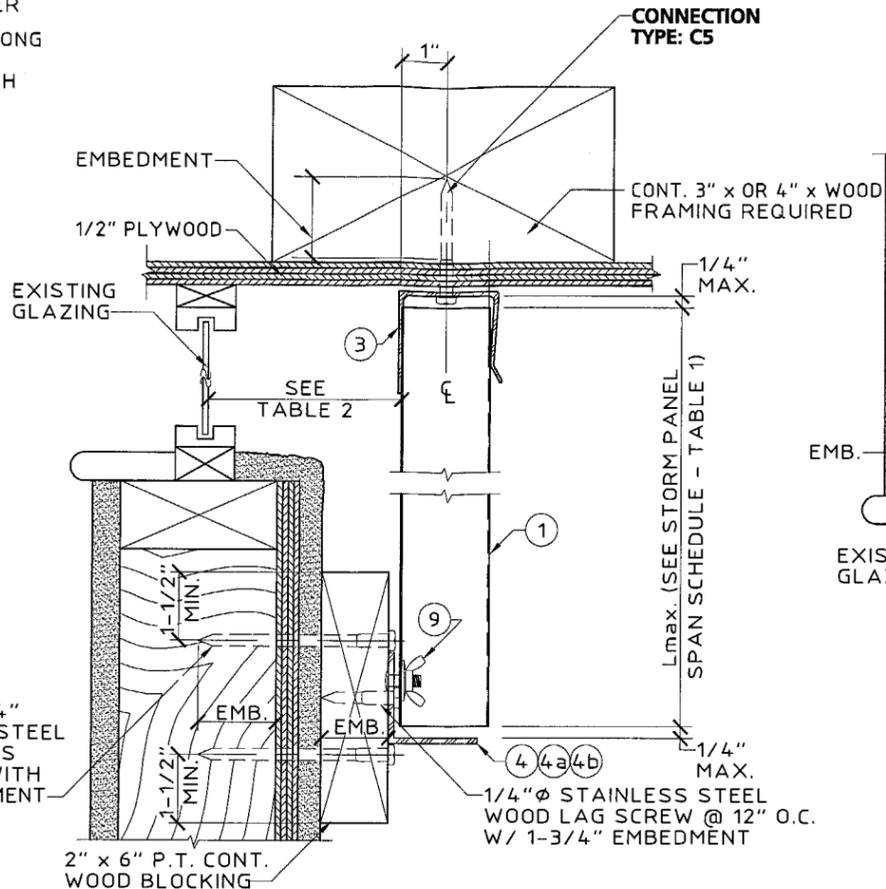
1. *None.*



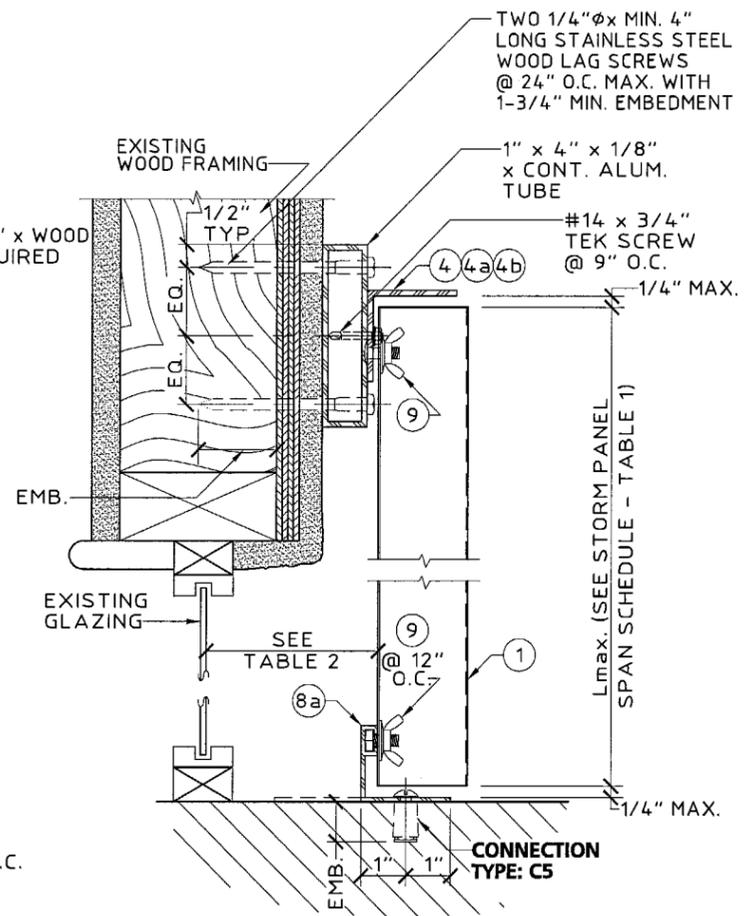
Helmy A. Makar, P. E.
Product Control Examiner
NOA No 05-0713.02
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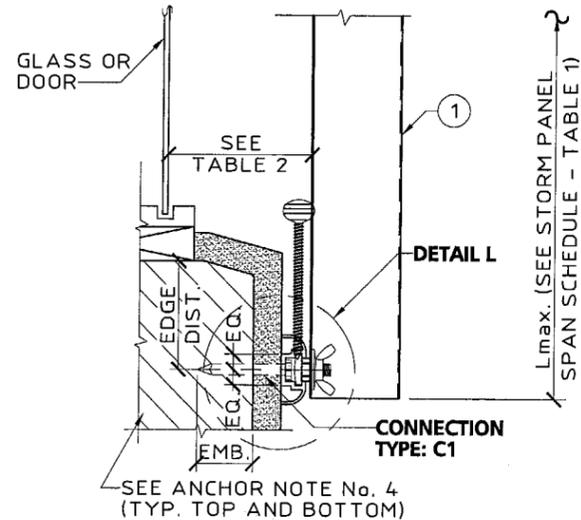
G BUILD-DOWN / BUILD-OUT SECTION
SCALE: 3" = 1' - 0"



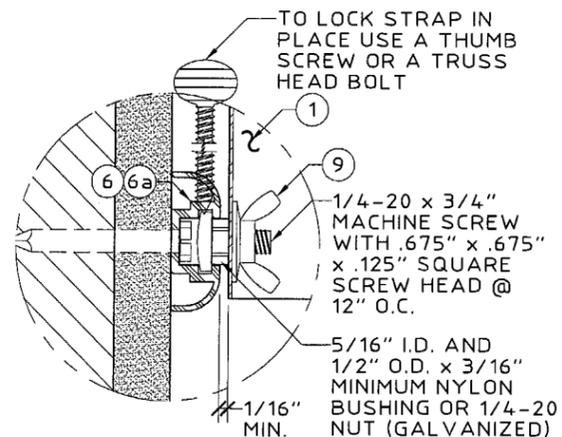
H CEILING/BUILD-OUT MOUNT SECTION
SCALE: 3" = 1' - 0"



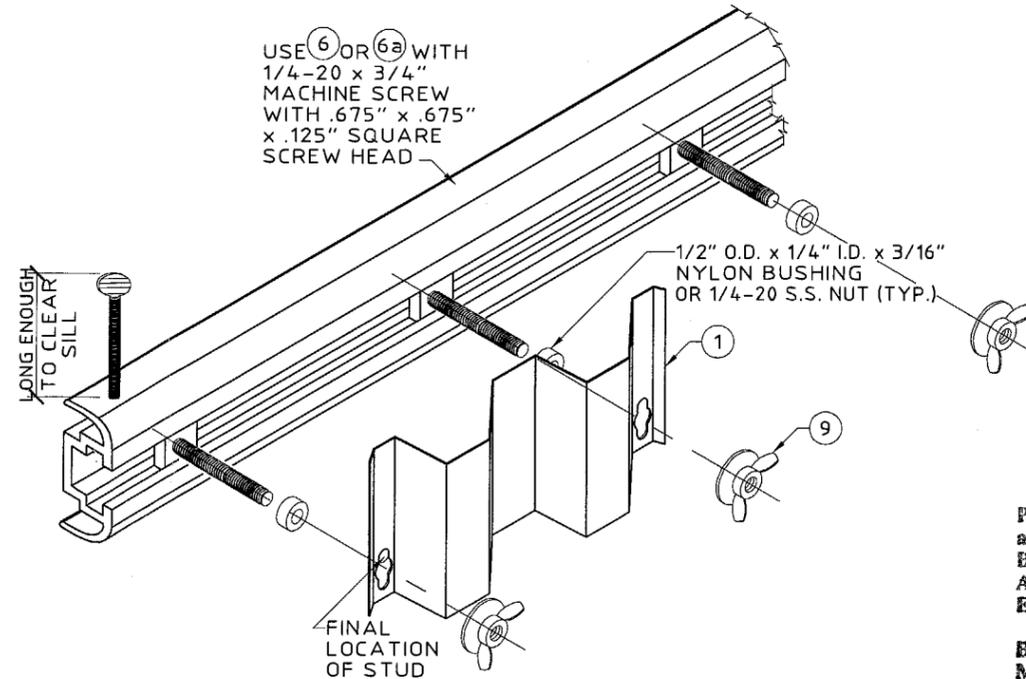
J BUILD-OUT/FLOOR MOUNT SECTION
SCALE: 3" = 1' - 0"



K C-TRACK ASSEMBLY - INSIDE MOUNT
SCALE: 3" = 1' - 0"



L C-TRACK ASSEMBLY - (BLOW UP)
SCALE: HALF SIZE



M C-TRACK ASSEMBLY (ISOMETRIC VIEW)
N.T.S.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-0713.02 Expiration Date 07/19/2011

By *Helmut A. Miller*
Miami Dade Product Control Division

Thornton-Tomasetti Group
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301
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Website: www.thornton-tomasetti.com

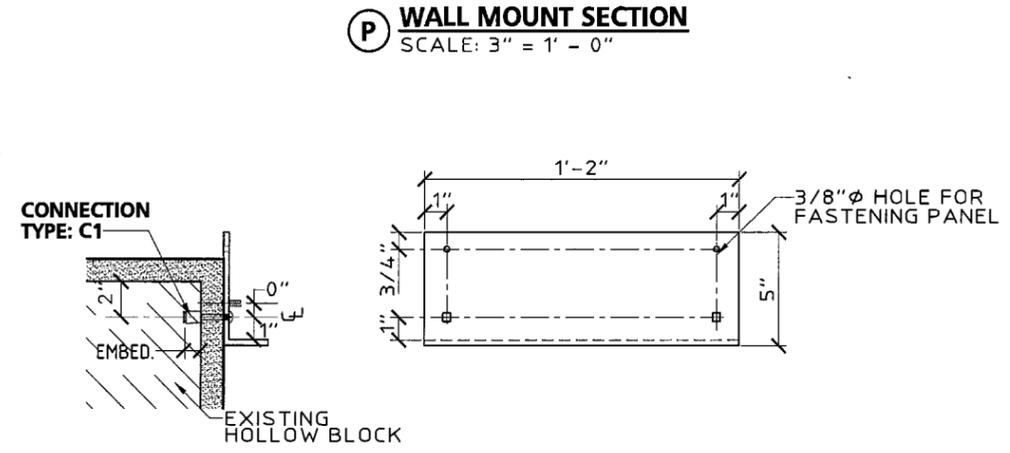
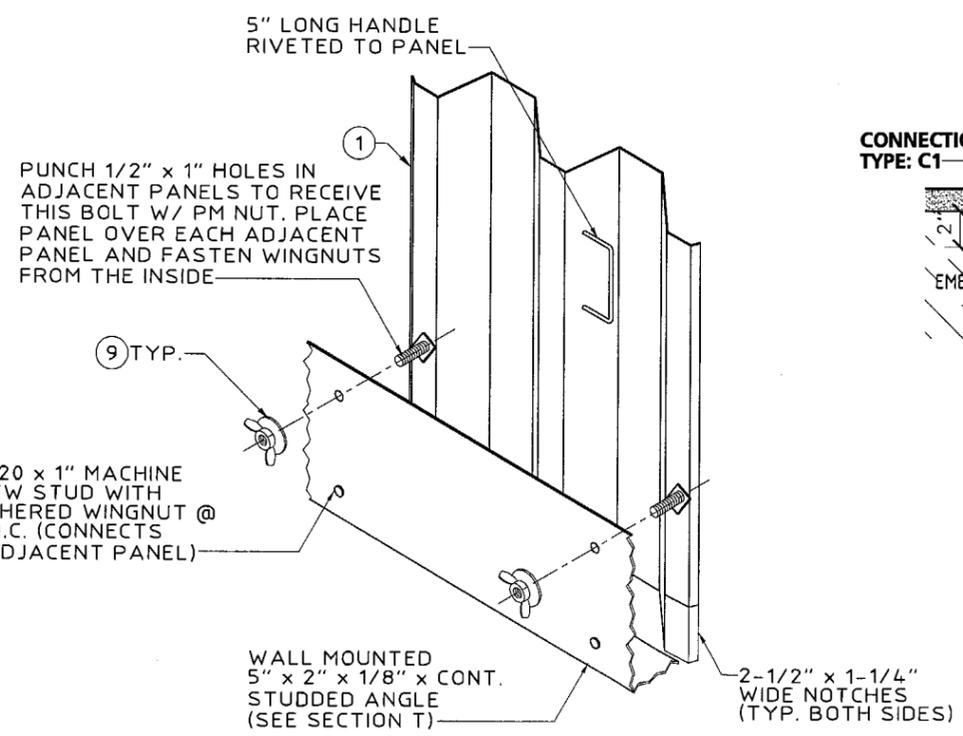
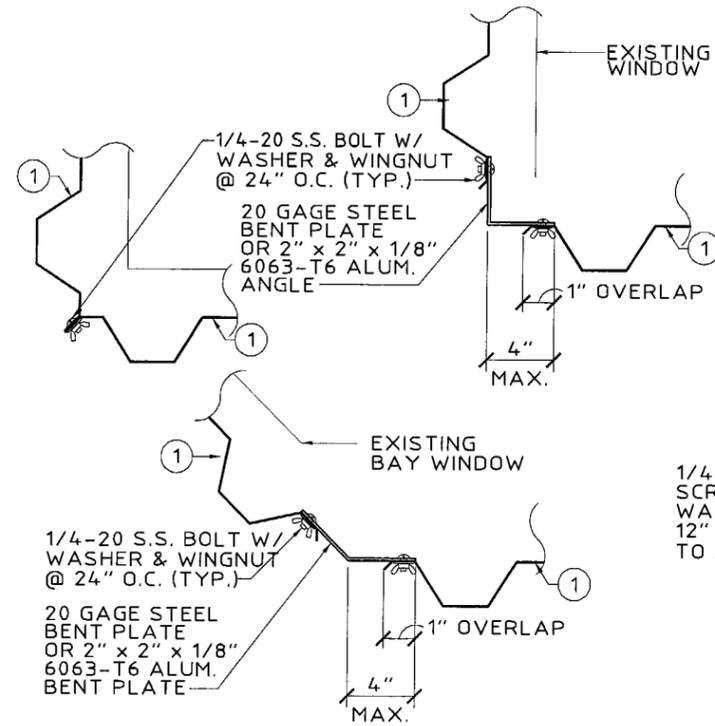
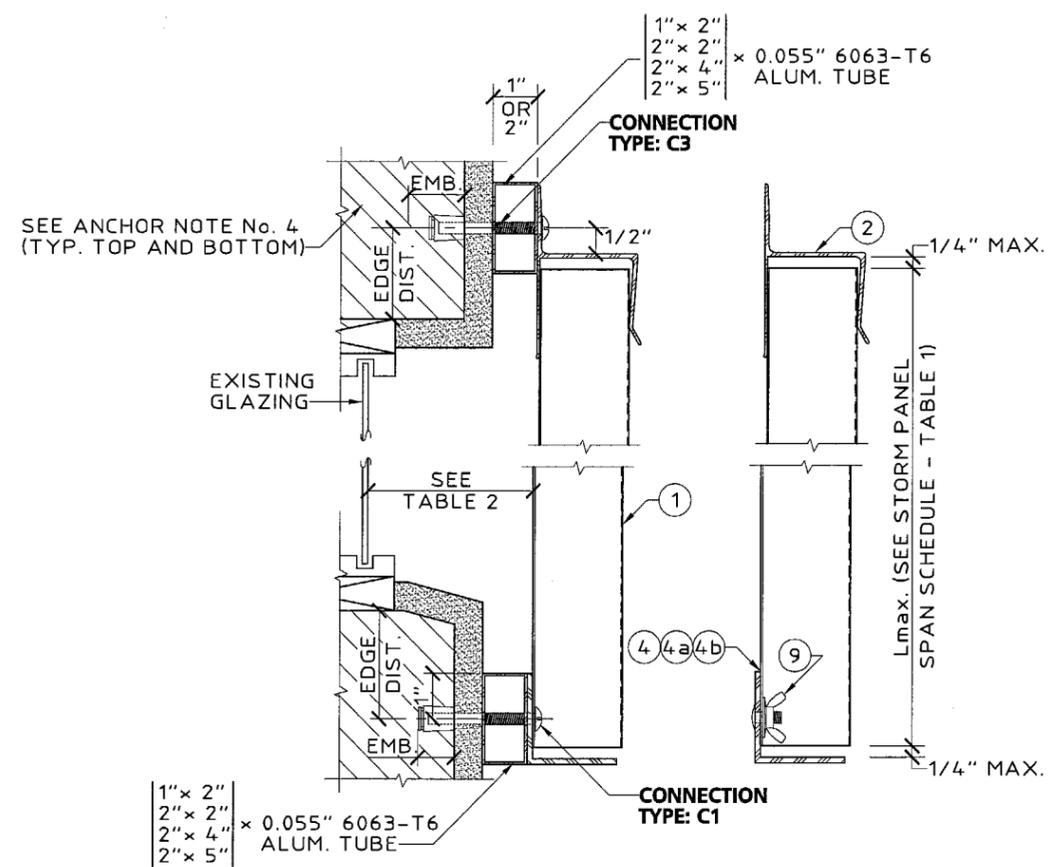
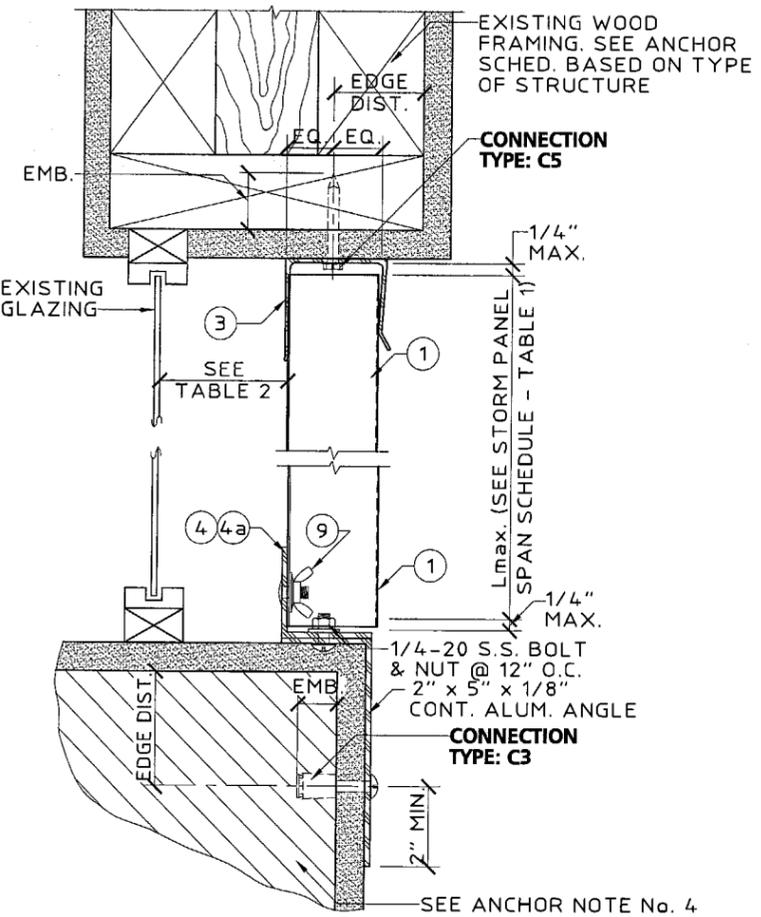
0-0615" ALUMINUM STORM PANEL

Pain & Country INDUSTRIES, INC.
A Division of ABC Supply Co., Inc.
400 West McNab Road • Fort Lauderdale, FL 33309
Phone: (866) 220-5019 • Fax: (954) 970-7705

V.J. Knezevich
Professional Engineer
FL License No. 110983

JUN 29 2005

revisions	
no.	description
0	PREVIOUSLY DRAWING NO. 03-260
date	06/29/2005
scale	AS NOTED
design by	NW
checked by	VJK
drawn by	MCR
date	06/29/2005
acceptance no.	05-0713.02
expiration date	07/19/2011
division	Miami Dade Product Control
drawing no.	05-354
sheet	3 of 6



(MAX. PANEL HEIGHT = 7'-4" & MAX. DESIGN LOAD ±72.00 P.S.F.)

DETAILS S & T NOTE:

THESE DETAILS DEPICT THE CONNECTION OF THE LAST PANEL FOR AN OPENING WITH PANELS INSTALLED FROM INSIDE. USE OF THESE DETAILS SHALL BE IN CONJUNCTION WITH AN "H" HEADER OR "U" HEADER TOP MOUNT.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-0713.02
Expiration Date 07/19/2011

By *Helmut A. Miller*
Miami Dade Product Control Division

Thornton-Tomasetti Group
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301
Tel. (954) 522-3690 • Fax (954) 522-3691 • COA # 7519
Webster: www.theTTGroup.com

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0-0615" ALUMINUM STORM PANEL

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V.J. Knezevich
Professional Engineer
FL License No. 0010983

JUN 29 2005

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date	06/29/2005
scale	AS NOTED
design by	NW
checked by	VJK
drawn by	MCR
drawing no.	05-354
sheet	4 of 6

T A B L E 2	MINIMUM STORM PANEL SEPARATION FROM GLASS			
	POSITIVE DESIGN LOAD (W) (P.S.F.)	ACTUAL SPAN (L) (FT - IN)	COLUMN 1 MIN. SEP. FOR ALL INSTALLATIONS LESS THAN 30' ABOVE GRADE (INCHES)	COLUMN 2 MIN. SEP. FOR ALL INSTALLATIONS GREATER THAN 30' ABOVE GRADE (INCHES)
40.0	8-8	3	2	
	10-9	4-1/8	3-1/8	
50.0	8-8	3	2-1/4	
	10-2	4-1/8	3-1/8	
60.0	8-8	3	2-3/8	
	9-8	4-1/8	3	
70.0	4-0	3	1-3/8	
	8-8	3	2-5/8	
80.0	9-4	4-1/8	3-1/8	
	4-0	3	1-3/8	
90.0	8-11	4-1/8	3	
	4-0	3	1-3/8	
100.0	8-4	3	2-3/4	
	4-0	3	1-3/8	
110.0	7-6	3	2-3/8	
	4-0	3	1-3/8	
120.0	6-9	3	2-1/8	
	3-0	3	1-3/8	
	6-3	3	1-7/8	

TABLE 1 NOTES:

1. DETERMINE BOTH THE POSITIVE AND THE NEGATIVE WIND LOADS. CHECK THEIR RESPECTIVE SPANS AND USE THE LESSER VALUE OF THE TWO.
2. FOR DESIGN LOADS BETWEEN TABULATED VALUES USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE SPANS.

TABLE 2 NOTE:

ENTER TABLE 2 WITH POSITIVE DESIGN LOAD TO DETERMINE MIN. STORM SHUTTER SEPARATION FROM GLASS.

T A B L E 1	MAX. ALLOWABLE STORM PANEL SPAN SCHEDULE	
	POSITIVE OR NEGATIVE DESIGN LOAD (P.S.F.)	SPANS (FT - IN)
	25.0	12'-0"
	30.0	11'-5"
	35.0	11'-0"
	40.0	10'-7"
	45.0	10'-4"
	50.0	10'-0"
	55.0	9'-10"
	60.0	9'-7"
	62.0	9'-6"
	65.0	9'-5"
	70.0	9'-1"
	72.0	9'-0"
	75.0	8'-9"
	80.0	8'-3"
	90.0	7'-4"
	100.0	6'-7"
	110.0	6'-0"
	120.0	5'-6"
	130.0	5'-1"
	140.0	5'-0"
	150.0	5'-0"
	160.0	4'-10"
	170.0	4'-7"
	180.0	4'-3"
	190.0	4'-1"
	200.0	3'-10"
	210.0	3'-8"
	220.0	3'-6"
	230.0	3'-4"

PRODUCT REVISED
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 Miami Dade Product Control Division

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