



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.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

Style View Products, Inc.
3561 N.W. 54th Street
Miami, Florida 33142

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: 0.063" Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 05-368, titled " 0.063" Aluminum Storm Panels", sheets 1 through 7 of 7, prepared by Thornton Tomasetti, dated June 30, 2005, last revision #1 dated December 06, 2006, signed and sealed by V. J. Knezevich, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the 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 **renews NOA #07-0328.01** and consists of this page 1, evidence submitted pages E-1, E-2, E-3, & E-4 as well as approval document mentioned above.

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



Helmy A. Makar
 06/12/2008

NOA No. 08-0408.04
Expiration Date: 04/25/2009
Approval Date: 06/12/2008
Page 1

Style View Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-1005.02

A. DRAWINGS

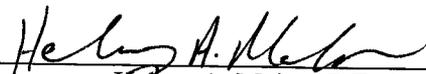
1. *Drawing prepared by Knezevich & Associates, Inc., titled ".063" Aluminum Storm Panel," Drawing No. 95-132, dated May 19, 1995, revised June 10, 1997, sheets 1 through 6 of 6, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *Test reports on Uniform Static Air Pressure Test, Loading per PA 202-94, Large Missile Impact Test, SFBC PA 201-94, and Cyclic Loading Test, per SFBC PA 203-94, of 0.063" aluminum storm panels for 96" span, prepared by Construction Testing Corporation, Report No. CTC-95-006, dated March 30, 1995, signed and sealed by Christopher G. Tyson, P.E.*
2. *Test reports on Large Missile Impact Test, SFBC PA 201-94, and Cyclic Loading Test, per SFBC PA 203-94, of 0.063" aluminum storm panels, direct & wall mount, 96" span with no bar or bolt reinforcement, prepared by Construction Testing Corporation, Report No. CTC-95-007, dated March 14, 1996, signed and sealed by Christopher G. Tyson, P.E.*
3. *Test reports on Uniform Static Air Pressure Test, Loading per PA 202-94, Large Missile Impact Test, SFBC PA 201-94, and Cyclic Loading Test, per SFBC PA 203-94, of 0.063" aluminum storm panels for 96" span, prepared by Construction Testing Corporation, Report No. CTC-95-007R, dated March 14, 1996, signed and sealed by Christopher G. Tyson, P.E.*
4. *Test report on Uniform Static Air Pressure Test, Loading per PA 202-94, Large Missile Impact Test, SFBC PA 201-94, and Cyclic Loading Test, per SFBC PA 203-94, of 20 ga. Steel Storm Panels, prepared by Construction Testing Corporation, Report No. CTC-96-006R, dated March 07, 1996, signed and sealed by Christopher G. Tyson, P.E. (This test has been submitted exclusively to verify the T-track and anchor calculations respectively).*

C. CALCULATIONS

1. *Anchor analysis dated April 4, 1995, 9 pages, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*
2. *Comparative Analysis and Anchor Analysis, dated May 1, 1996, pages 1 through 55, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*
3. *Revised calculations for Comparative Analysis and Anchor Analysis, dated June 6, 1997, pages 1 through 38, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*



Helmy A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 08-0408.04

Expiration Date: 04/25/2009

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report with Chemical Composition and Mechanical Properties prepared by Nichols Aluminum, dated September 1, 1994, for Aluminum Alloy 5052-H32.*
2. *Certified Tensile Test Report issued by QCM, Q C Metallurgical, Inc. Report Number 5Cm-706, dated March 30, 1995 for sample #CTC 95-006, tested per ASTM E8-93, signed and sealed by Frank Grate, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-1005.02

A. DRAWINGS

1. *Drawing prepared by Knezevich & Associates, Inc., titled ".063" Aluminum Storm Panel," Drawing No. 98-173, dated July 21, 1998, sheets 1 through 6 of 6, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *None. (Tests originally in file 98-0303.01.)*

C. CALCULATIONS

1. *None. (Calculations originally in file 98-0303.01.)*

D. MATERIAL CERTIFICATIONS

1. *None. (Material certifications originally in file No. 98-0303.01.)*

E. OTHER

1. *Letter issued by Maurice Sutton, President and Mr. Pablo Debs, Vice President, both from SteelTech Industries, Inc., stating that they are the new owners of SeaView, dated September 4, 1998.*
2. *Copy of the sales agreement and assets purchase between SeaView Industries, Inc. and SteelTech, Inc. dated June 7, 1998.*

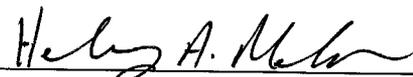
F. NOTE

1. *This revises N.O.A. #98-0303.01, which was issued on 03/26/98 to change the name from Seaview Industries to SteelTech Industries, Inc.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0312.01

A. DRAWINGS

1. *Drawing No. 01-253, titled "0.063" Aluminum Storm Panels", sheets 1 through 6 of 6, prepared by Knezevich & Associates, Inc., dated March 07, 2001, signed and sealed by V. J. Knezevich, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0408.04
Expiration Date: 04/25/2009
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*

E. STATEMENTS

1. *Statement letter from Knezevich & Associates, Inc., dated February 28, 2002, signed and sealed by W. Anson Sonnett, P.E., stating that drawing #01-253 is identical to the Steel Tech Industries, Inc. drawing #98-173 except for the manufacturer's name and the title block.*
2. *Statement letter from SteelTech Industries, Inc., dated August 3, 2000, signed by Mr. Maurice Sutton, rescinding any claim to the NOA #98-1005.02.*
3. *Sales agreement from SteelTech Industries, Inc. to Style View Products, Inc.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0712.01

A. DRAWINGS

1. *Drawing No. 05-368, titled "0.063" Aluminum Storm Panels", sheets 1 through 7 of 7, prepared by Thornton Tomasetti, dated June 30, 2005, last revision #1 dated December 06, 2006, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

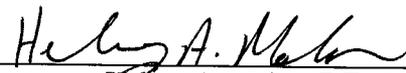
1. *Revised fastener calculations prepared by Thornton-Tomasetti Group, pages 1 through 54 of 54, dated June 15, 2005, signed and sealed by V. J. Knezevich, P.E.*
2. *Revised fastener calculations prepared by Thornton-Tomasetti Group, pages 1 through 22 of 22, dated November 28, 2006, signed and sealed by V. J. Knezevich, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0408.04
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Style View Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0328.01

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

6. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

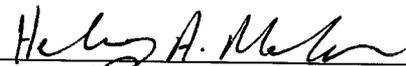
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



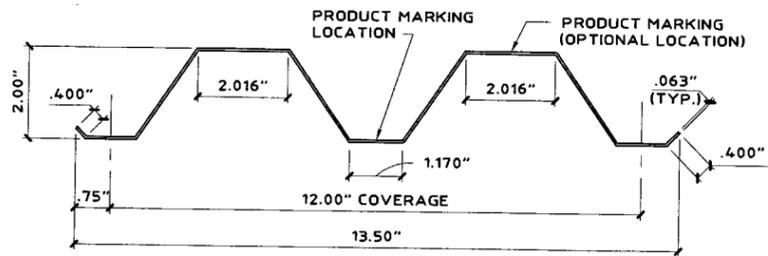
Helmy A. Makar, P.E., M.S.

Product Control Examiner

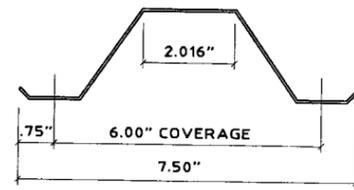
NOA No. 08-0408.04

Expiration Date: 04/25/2009

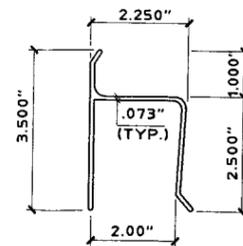
Approval Date: 06/12/2008



FULL PANEL

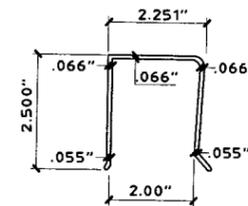


HALF PANEL



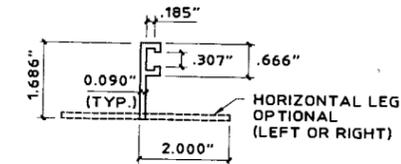
2 "h" HEADER

SCALE: 3" = 1'-0"



3 "U" HEADER

SCALE: 3" = 1'-0"



4 OPTIONAL ANGLE

SCALE: 3" = 1'-0"

GENERAL NOTES:

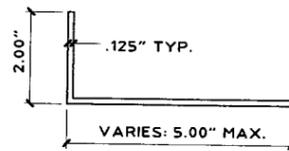
- THESE APPROVAL DOCUMENTS REPRESENT A SHUTTER SYSTEM ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE FLORIDA BUILDING CODE 2004 WITH 2005 SUPPLEMENTS.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD LAG SCREW DESIGN.
- DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH ASCE 7-02, A DIRECTIONALITY FACTOR OF Kd = 0.85 SHALL BE USED.
- THESE APPROVAL DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THIS SHUTTER SYSTEM.
- USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
- THESE APPROVAL DOCUMENTS ARE SUITABLE TO BE APPLIED BY A LICENSED CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THAT THE EXISTING STRUCTURE DOES NOT DEVIATE IN EITHER FORM OR MATERIAL FROM THE STRUCTURAL SUBSTRATES DETAILED HEREIN.
- ANY MODIFICATIONS OR ADDITIONS TO THESE APPROVAL DOCUMENTS WILL VOID THE APPROVAL DOCUMENTS.
- WHEN THE SITE CONDITIONS DEVIATE FROM THESE APPROVAL DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
 - REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS/HER APPROVAL.
 - REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION.
- PRODUCT MARKINGS SHALL BE WITHIN 12" OF ONE END OF THE PANEL WITH A MINIMUM OF ONE MARKING PER PANEL AND SHALL BE PERMANENTLY LABELED AS FOLLOWS:

ALUMA CRAFT PRODUCTS
MIAMI, FLORIDA

MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED

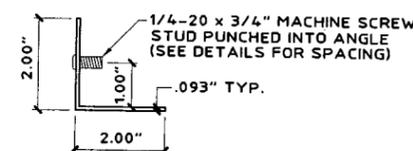
- STORM PANELS SHALL BE 5052-H32 ALUMINUM ALLOY, 0.063" THICK, WITH A MIN. Fy (BEFORE ROLLING) OF 26 K.S.I. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.
- ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A A MINIMUM TENSILE STRENGTH OF 60 K.S.I.
- FOR TYPE I OR II PANELS LESS THAN 101" HIGH SHALL BE FASTENED AT OVERLAPS, AT MIDSPAN, W/ 1/4-20 x 3-1/2" MACHINE SCREW SIDEWALK BOLTS WITH DIE CAST ALUMINUM WASHERED WINGNUTS OR JACKNUTS; UTILIZING A 1" x 1" x 16 GA. STEEL TUBE AT MIDSPAN. (SEE TYPICAL ELEVATION). TYPE I OR II PANEL SPANS GREATER THAN 101" BUT LESS THAN 135-1/2", USE FASTENERS AND TUBE AT 1/3 SPANS FOR TYPE I & II. FOR PANELS SPANS LESS THAN 33", OVERLAP FASTENERS AND TUBE AT SEAMS ARE NOT REQUIRED. FOR TYPE III PANELS, NO FASTENERS OR TUBE AT PANEL OVERLAPS ARE REQUIRED.
- MATERIAL SPECIFICATIONS NOTED HEREIN ARE THE MANUFACTURER'S REPRESENTATION OF MATERIALS USED IN PRODUCT TESTING.
- TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. EMBEDMENT LENGTHS SHALL BE AS NOTED AND DO NOT INCLUDE STUCCO OR OTHER FINISHES.
- AT LEAST ONE WARNING NOTE PER OPENING SHALL BE PLACED IN A CONSPICUOUS LOCATION ON ANY OF THE COMPONENTS OF STORM PANEL SYSTEM ADVISING THE HOME OWNER OR TENANT THAT THE STORM PANELS WILL NOT OFFER HURRICANE PROTECTION UNLESS ALL REINFORCING BOLTS ARE PROPERLY INSTALLED AS SHOWN ON THESE APPROVED DRAWING.

1 STORM PANEL
SCALE: 3" = 1'-0"



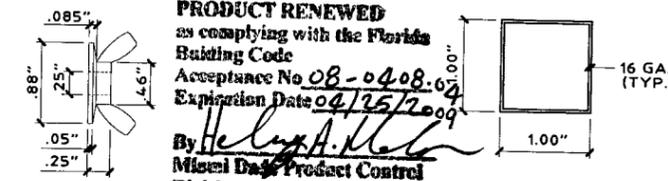
5 ANGLE

SCALE: 3" = 1'-0"



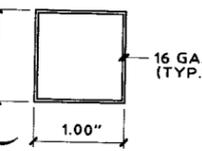
6 STUDED ANGLE

SCALE: 3" = 1'-0"



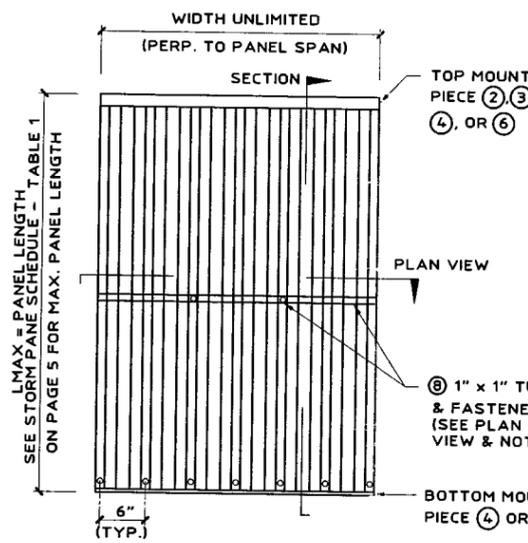
7 WINGNUT

SCALE: HALF SIZE

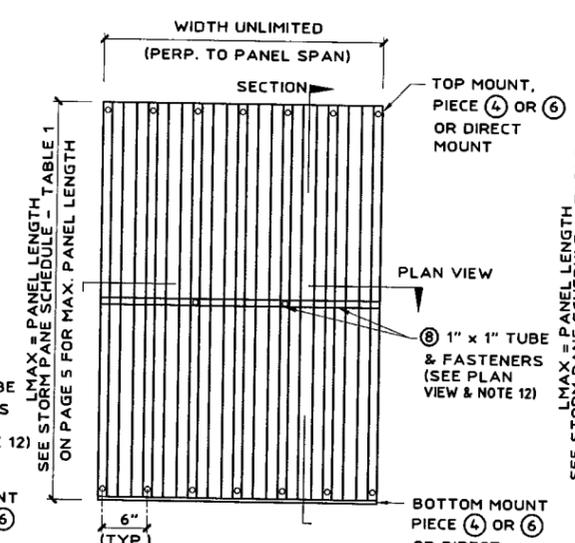


8 16 GAGE STEEL TUBE

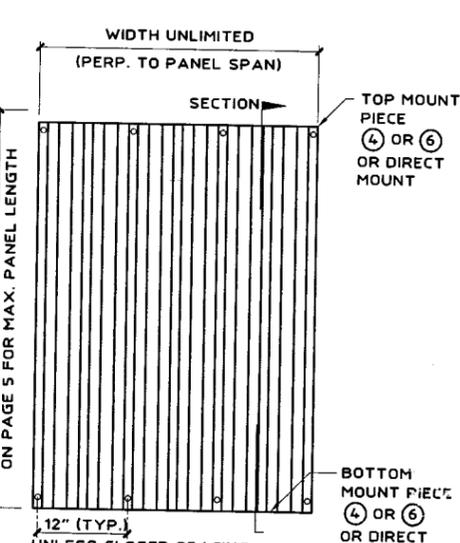
SCALE: HALF SIZE



TYPICAL ELEVATION - TYPE I

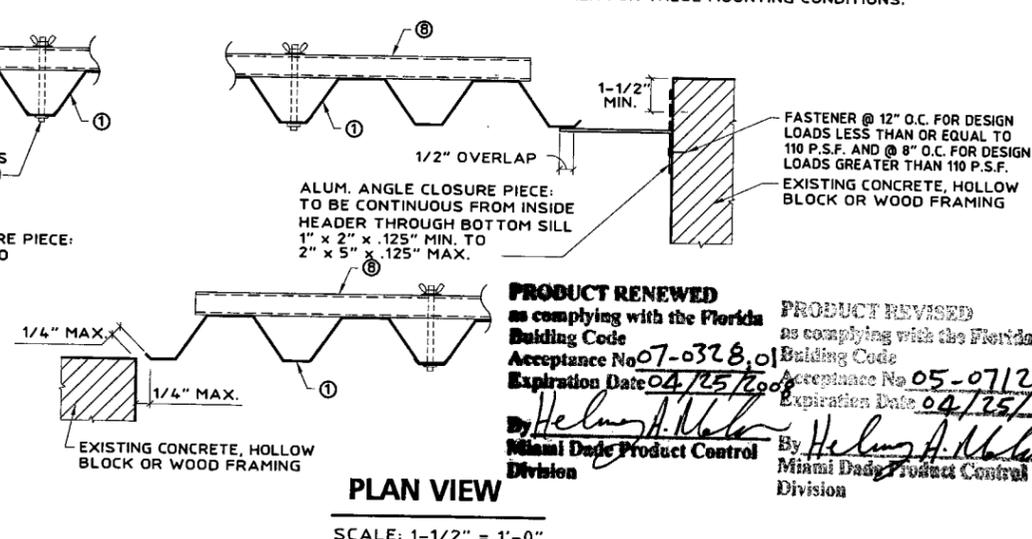
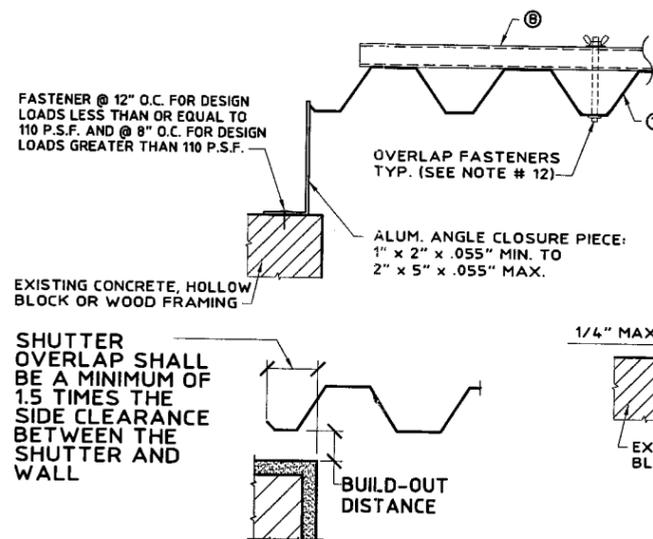


TYPICAL ELEVATION - TYPE II



TYPICAL ELEVATION - TYPE III

NO FASTENER & TUBE REQUIRED TO HOLD PANEL SEAMS TOGETHER FOR THESE MOUNTING CONDITIONS.



PLAN VIEW

SCALE: 1-1/2" = 1'-0"

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 07-0328-01
Expiration Date 04/25/2008
By Helmut A. Weber
Miami Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 05-0712-01
Expiration Date 04/25/2007
By Helmut A. Weber
Miami Dade Product Control Division

Thornton Tomasetti
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T 954.522.3690 • F 954.522.3691 • COA # 7519
Website: www.ThorntonTomasetti.com
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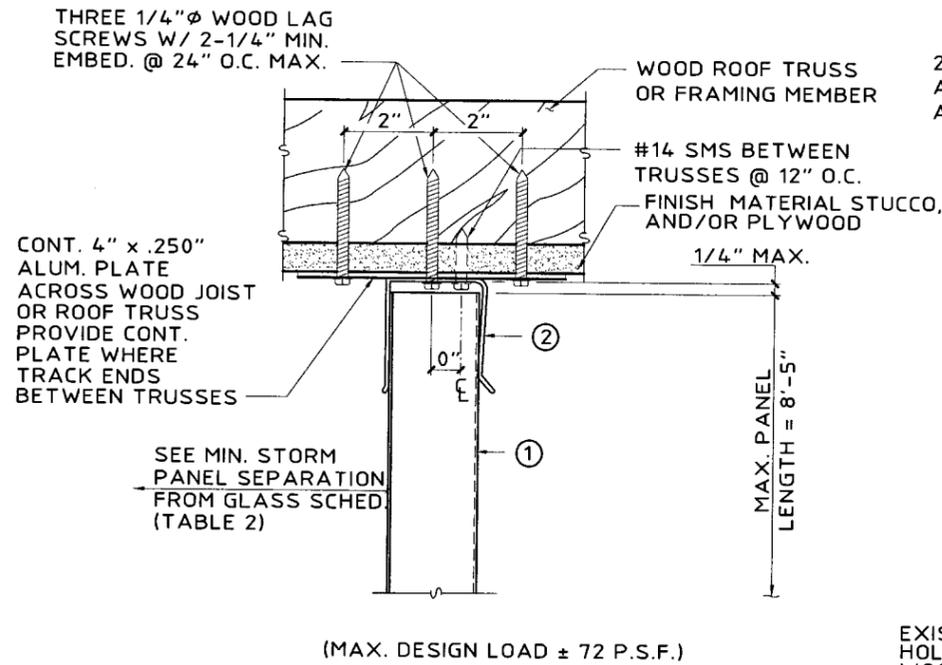
0.063" ALUMINUM STORM PANELS
Style View Products, Inc.
ALUMA CRAFT
PRODUCTS
QUALITY PRODUCTS SINCE 1964
3561 N.W. 54th STREET MIAMI, FLORIDA 33142
TEL: (305) 653-4557 FAX: (305) 653-4557

V.J. Knezevich
Professional Engineer
FL License No.: PE 0010283

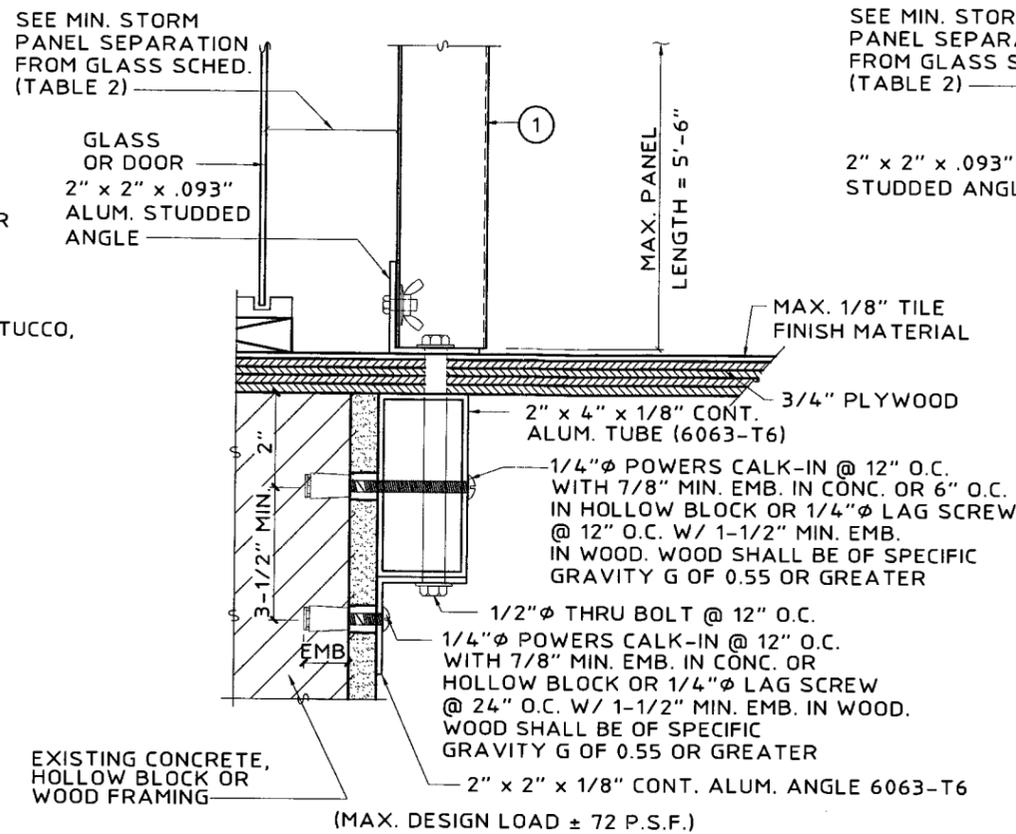
DEC 03 2006

NO.	DATE	BY	REVISIONS
0	06/30/2005	NW	PREVIOUS DRAWING NO. 01-253
1	12/06/2006	NW	COUNTY COMMENTS

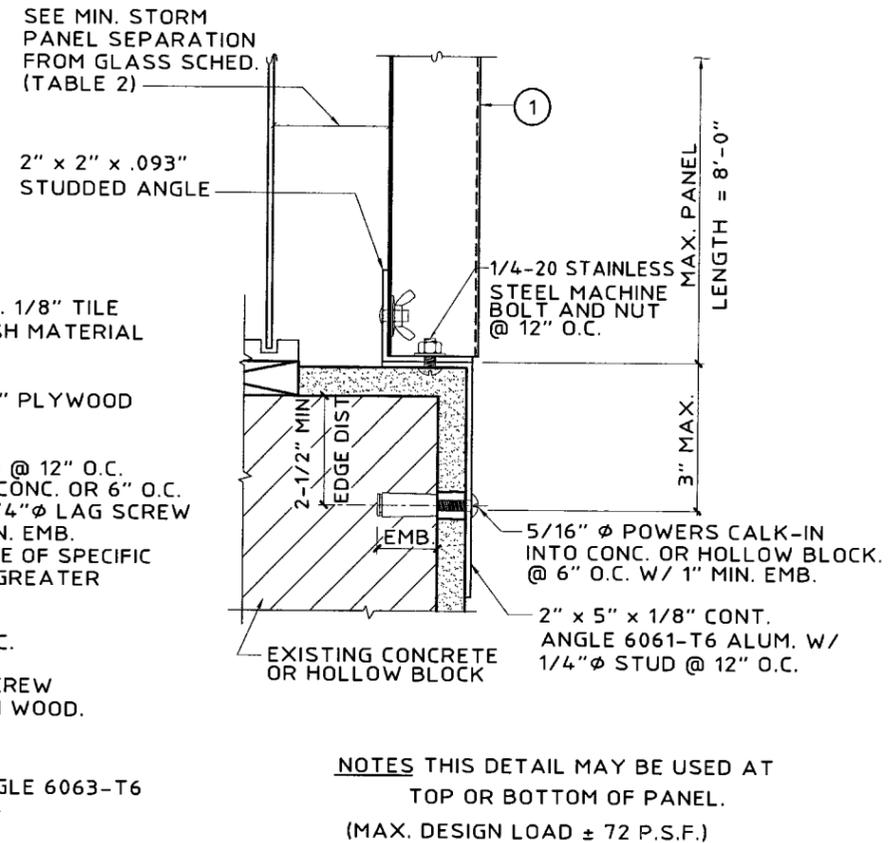
date 06/30/2005
scale AS NOTED
design by VJK
drawing no. 05-368
sheet 1 of 7



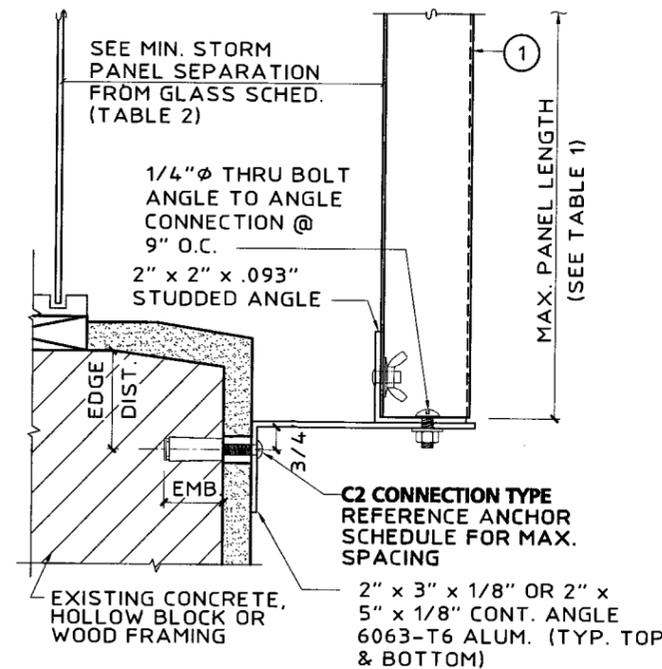
G SOFFIT CONNECTION DETAIL
SCALE: 3" = 1'-0"



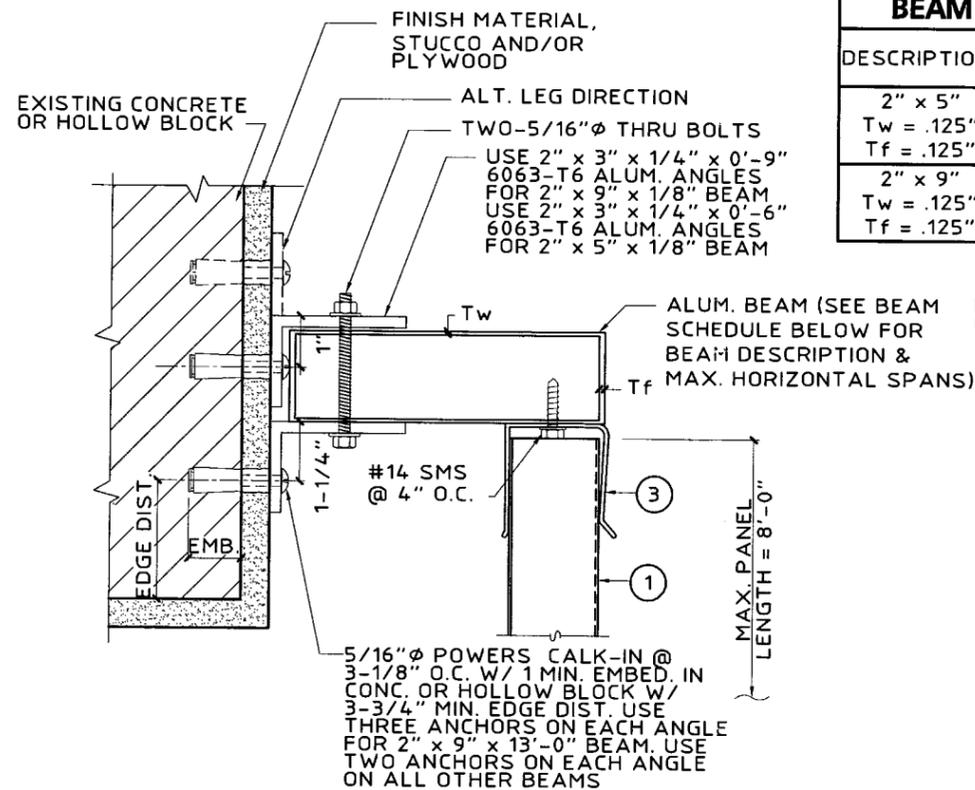
H "PASS THRU" DETAIL
SCALE: 3" = 1'-0"



I EDGE MOUNT DETAIL
SCALE: 3" = 1'-0"

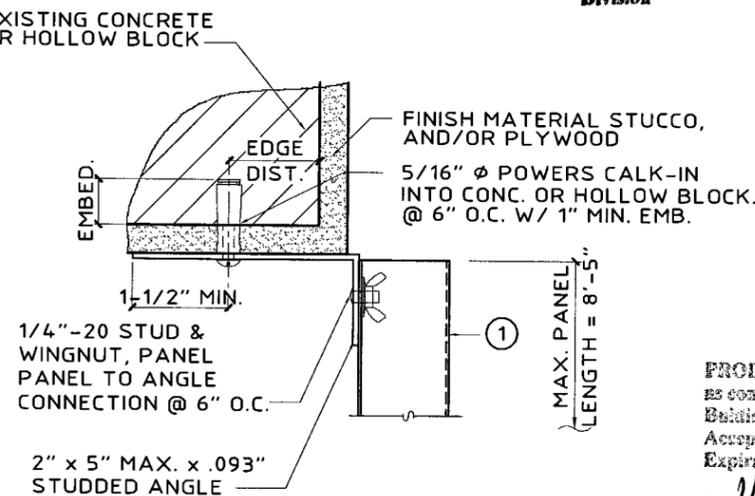


J ANGLE BUILD-OUT
SCALE: 3" = 1'-0"



K HEADER MOUNT DETAIL
SCALE: 3" = 1'-0"

BEAM SCHEDULE		
DESCRIPTION	PANEL LENGTH	BEAM SPAN
2" x 5"	5'-0"	9'-5"
T _w = .125"	8'-0"	8'-1"
T _f = .125"		
2" x 9"	5'-0"	15'-9"
T _w = .125"	8'-0"	13'-0"
T _f = .125"		



L ALT. TRAP MOUNT DETAIL
SCALE: 3" = 1'-0"

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PRODUCT REVISED
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By Helmut A. Mahr
Miami Dade Product Control Division

Thornton Tomasetti
330 N Andrews Ave, Suite 450 • Ft. Lauderdale, FL 33301
T 954.522.3690 • F 954.522.3691 • COA # 71519
Website: www.ThorntonTomasetti.com
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0.063" ALUMINUM STORM PANELS
Style View Products, Inc.
d b o
ALUMA CRAFT
PRODUCTS
QUALITY PRODUCTS SINCE 1964
3581 N.W. 54TH STREET, SUITE 100
MIAMI, FLORIDA 33142 FAX (305) 635-4557

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

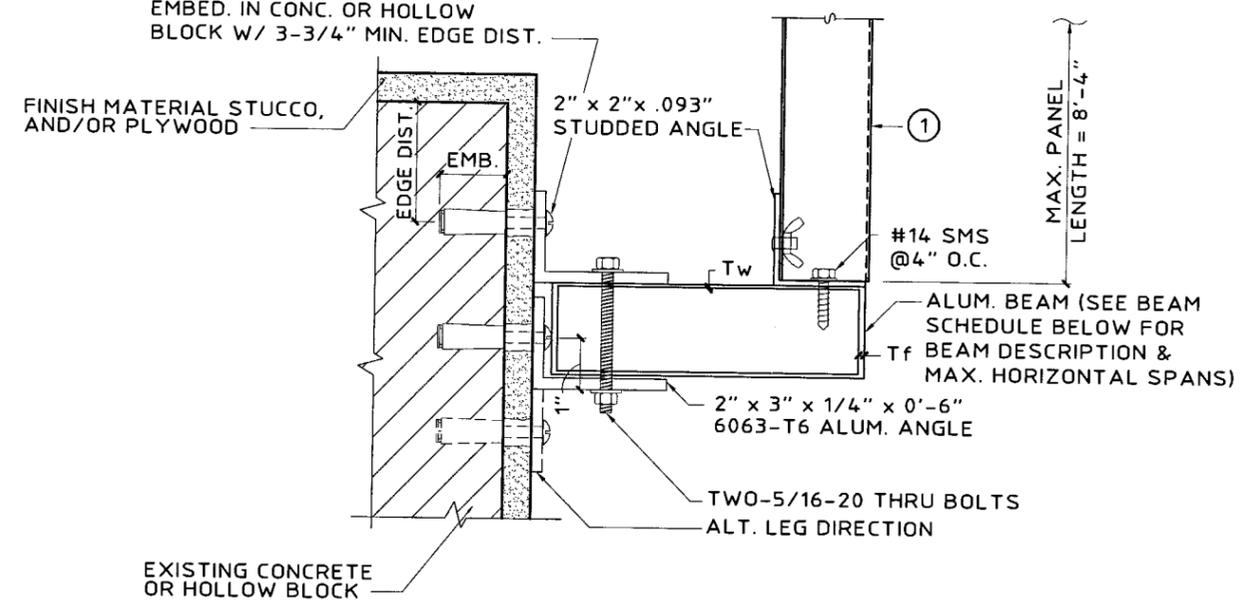
DEC 06 2006

no.	date	by	description
0	06/30/2005	NW	PREVIOUSLY DRAWING NO. 01-253
1	12/06/2006	NW	COUNTY COMMENTS

date 06/30/2005
scale AS NOTED
design by VJK
checked by VJK
drawing no. 05-368

sheet 3 of 7

TWO AT EACH ANGLE 5/16" Ø POWERS
CALK-IN @ 3-1/8" O.C. W/ 1 MIN.
EMBED. IN CONC. OR HOLLOW
BLOCK W/ 3-3/4" MIN. EDGE DIST.

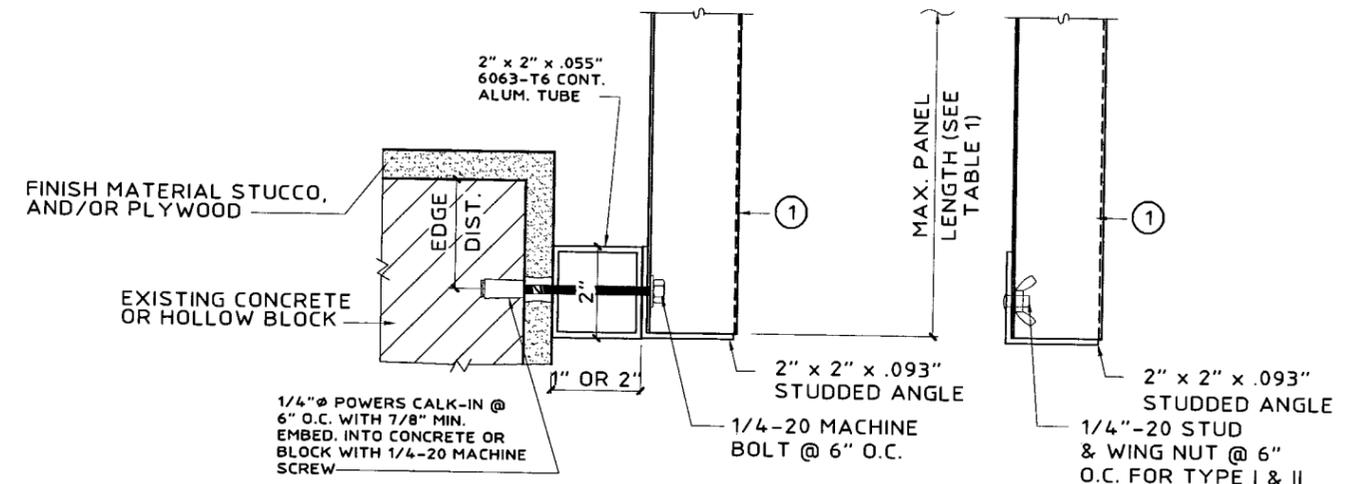


BEAM SCHEDULE		
DESCRIPTION	PANEL LENGTH	BEAM SPAN
2" x 7" Tw = .055" Tf = .13"	8'-4"	9'-7"

NOTE: THIS DETAIL MAY BE USED AT
TOP OR BOTTOM OF PANEL.

(MAX. DESIGN LOAD ± 72 P.S.F.)

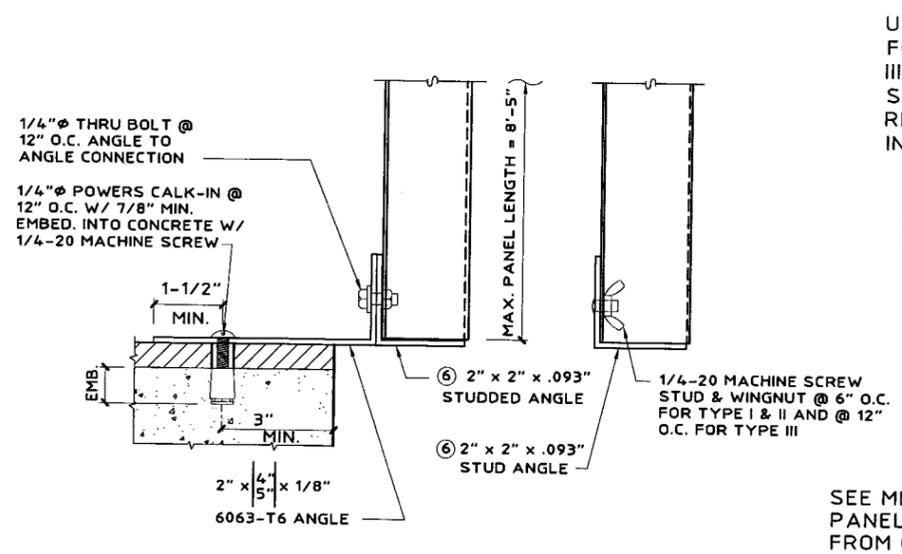
M STORM PANEL SUPPORT BEAM
SCALE: 3" = 1'-0"



NOTE: THIS DETAIL MAY BE USED AT
TOP OR BOTTOM OF PANEL.

(MAX. DESIGN LOAD ± 72 P.S.F.)

N 2" x 2" ALUM. TUBE BUILD-OUT
SCALE: 3" = 1'-0"

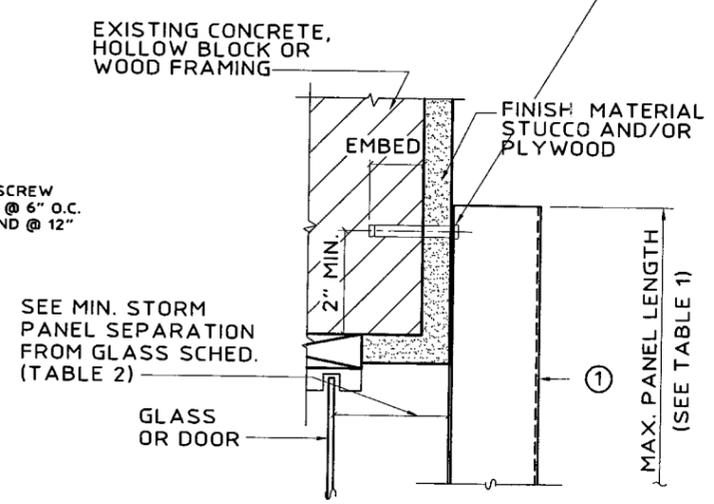


NOTE: THIS DETAIL MAY BE USED AT
TOP OR BOTTOM OF PANEL.

(MAX. DESIGN LOAD ± 72 PSF)

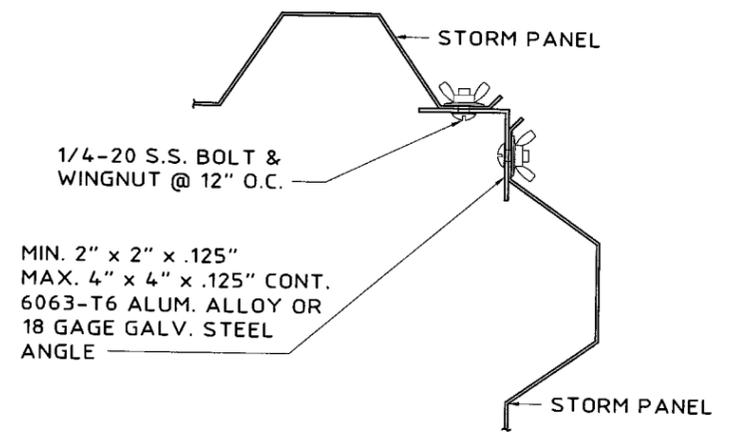
O STORM PANEL BUILD-OUT
SCALE: 3" = 1'-0"

USE REMOVABLE ANCHORS ONLY @ 6" O.C. MAX.
FOR TYPE I & II AND @ 12" O.C. MAX. FOR TYPE
III, BUT DO NOT EXCEED ANCHOR SCHEDULE
SPACING. FASTENER SEE ANCHOR SCHEDULE
REF. **C1 CONNECTION TYPE** (LOCATE FASTENER
IN NARROW PORTION OF KEYHOLE SLOT)



SEE MIN. STORM
PANEL SEPARATION
FROM GLASS SCHED.
(TABLE 2)

P DIRECT MOUNT DETAIL
SCALE: 3" = 1'-0"



Q CORNER DETAIL
SCALE: 3" = 1'-0"

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0.063" ALUMINUM STORM PANELS
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V.J. Knezevich
Professional Engineer
FL License No. PE 0010983
VJK
DEC 06 2006

no.	date	description
0	06/30/2005	ISSUED FOR PERMITS
1	12/06/2006	REVISED PER COUNTY COMMENTS

date 06/30/2005
scale AS NOTED
design by VJK
checked by VJK
drawing no. 05-368
sheet 4 of 7

TABLE 1 - STORM PANEL SCHEDULE

NEGATIVE DESIGN LOAD W (PSF)	TYPE I	TYPE II	TYPE III
	ALL MOUNTING CONDITIONS W/ "U" HEADERS, "H" HEADERS W/ STUDS @ 6" O.C.	STUDDED ANGLE MOUNTS, "F" TRACK MOUNTS W/ STUDS @ 6" O.C. & DIRECT MOUNTS W/ ANCHORS @ 6" O.C. (TOP & BOTTOM)	STUDDED ANGLE MOUNTS, "F" TRACK MOUNTS W/ STUDS @ 12" O.C. & DIRECT MOUNTS W/ ANCHORS @ 6" OR 12" O.C. (TOP & BOTTOM) *
	L max. (FT-IN)	L max. (FT-IN)	L max. (FT-IN)
30.0	8 - 5	11 - 4	11 - 4
40.0	8 - 5	11 - 1	11 - 1
50.0	8 - 5	10 - 6	10 - 4
60.0	7 - 9	10 - 0	9 - 5
65.0	7 - 2	9 - 10	9 - 0
70.0	6 - 7	9 - 8	8 - 8
75.0	6 - 2	9 - 6	8 - 2
80.0	5 - 9	9 - 3	7 - 8
90.0	5 - 2	8 - 9	6 - 10
100.0	4 - 7	8 - 3	6 - 2
110.0	4 - 2	7 - 11	5 - 7
120.0	3 - 10	7 - 6	5 - 1
130.0	3 - 7	7 - 2	4 - 9
140.0	3 - 3	6 - 8	4 - 4
150.0	3 - 1	6 - 3	4 - 1
160.0	2 - 10	5 - 10	3 - 10
170.0	2 - 8	5 - 6	3 - 7
180.0	2 - 7	5 - 2	3 - 5
190.0	2 - 5	4 - 11	3 - 3
200.0	2 - 3	4 - 8	3 - 1

NOTE:

FOR TYPE III - NO BOLTS W/ STEEL TUBE ARE REQUIRED TO HOLD PANEL SEAMS TOGETHER.

* ANCHOR SPACING SHOWN IN TABLE 1 FOR DIRECT MOUNT SHALL NOT EXCEED THAT SHOWN IN FASTENER SCHEDULE.

TABLE 2 - SEPARATION FROM GLASS SCHEDULE

POSITIVE DESIGN LOAD (W) (PSF)	ACTUAL SHUTTER SPAN (L) (FT-IN)	MINIMUM SEPARATION FOR INSTALLATIONS 30' OR LESS ABOVE GRADE (INCHES)		MINIMUM SEPARATION FOR INSTALLATIONS GREATER THAN 30' ABOVE GRADE (INCHES)
		W/ BAR & BOLTS	NO BAR (TYPE III ONLY)	W/ NO BAR
40.0	5 - 0	2-1/2	2-1/2	1-1/8
	8 - 5	2-1/2	2-1/2	1-5/8
	8 - 8	2-1/2	2-1/2	1-5/8
	11 - 4	2-3/4	3-3/4	2-5/8
50.0	5 - 0	2-1/2	2-1/2	1-1/4
	8 - 5	2-1/2	2-1/2	1-3/4
	8 - 8	2-1/2	2-1/2	1-3/4
	11 - 0	3	3-3/4	3
60.0	5 - 0	2-1/2	2-1/2	1-1/4
	8 - 5	2-1/2	2-1/2	2
	8 - 8	2-1/2	2-1/2	2-1/8
	10 - 0	3	3-3/4	3
70.0	5 - 0	2-1/2	2-1/2	1-1/4
	8 - 5	2-1/2	2-1/2	2-1/4
	8 - 8	2-1/2	2-1/2	2-3/8
	9 - 8	3	3-3/4	3
80.0	4 - 0	2-1/2	2-1/2	1-1/4
	8 - 5	2-1/2	2-1/2	2-3/8
	8 - 8	2-1/2	2-1/2	2-1/2
	9 - 3	3	3-3/4	3
90.0	4 - 0	2-1/2	2-1/2	1-1/4
	6 - 0	2-1/2	2-1/2	1-3/8
	8 - 9	2-3/4	3-3/4	2-3/4
100.0	4 - 0	2-1/2	2-1/2	1-1/4
	6 - 0	2-1/2	2-1/2	1-1/2
	8 - 3	2-3/4	2-1/2	2-1/2
110.0	4 - 0	2-1/2	2-1/2	1-1/4
	6 - 0	2-1/2	2-1/2	1-1/2
	7 - 11	2-1/2	2-1/2	1-1/2
120.0	4 - 0	2-1/2	2-1/2	1-1/4
	6 - 0	2-1/2	2-1/2	1-1/2
	7 - 6	2-1/2	2-1/2	2-1/4

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 Miami Dade Product Control Division

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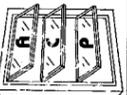
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0.063" ALUMINUM STORM PANELS

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ALUMA CRAFT
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V.J. Knezevich
 Professional Engineer
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[Signature]
 DEC 06 2006

no.	date	by	description
0	06/30/2005	NW	PREVIOUSLY DRAWING NO. 01-253
1	12/06/2006	NW	COUNTY COMMENTS

date 06/30/2005
 scale AS NOTED drawn by MCR
 design by VJK checked by VJK
 drawing no. 05-368
 sheet 5 of 7

		ANCHOR SCHEDULE																											
		FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS																											
EXIST. STRUC.	ANCHOR TYPE	LOAD (W) P.S.F. MAX. (SEE NOTE 1)	MIN. 2" EDGE DISTANCE															MIN. 3" EDGE DISTANCE											
			SPANS UP TO 5'-0" (SEE NOTE 1)					SPANS UP TO 8'-5" (SEE NOTE 1)					SPANS UP TO 11'-3" (SEE NOTE 1)					SPANS UP TO 5'-0" (SEE NOTE 1)			SPANS UP TO 8'-5" (SEE NOTE 1)			SPANS UP TO 11'-3" (SEE NOTE 1)					
			CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)			CONNECTION TYPE (SEE NOTE 3)			CONNECTION TYPE (SEE NOTE 3)					
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2
HOLLOW CONCRETE BLOCK		48.0	12	12	12	4	6	9	9	9	3	7	7	3	12	12	12	4	7	11	11	11	4	8	8	4	3		
		62.0	12	12	12	4	7	7	4	5	3	12	12	12	5	8	8	5	3	6	4	4	4	4	4	4	3		
		72.0	11	11	11	4	6	6	4	4	12	12	12	4	7	7	3	5	4	4	4	4	4	4	4	4	4	3	
		92.0	8	8	6	3	5	4	4	4	10	10	8	3	6	3	4	4	4	4	4	4	4	4	4	4	4	3	
		200.0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	
		48.0	12	12	12	4	5	10	10	10	3	7	7	4	12	12	12	5	8	12	12	12	5	9	9	5	3		
		62.0	12	12	12	4	8	8	4	6	3	5	3	12	12	12	3	6	10	10	5	3	7	4	4	4	3		
		72.0	11	11	11	3	6	6	3	5	12	12	12	5	8	8	3	3	6	3	3	6	3	5	4	4	3		
		92.0	9	9	7	3	5	3	4	4	11	11	9	4	6	3	5	5	5	5	5	5	5	5	5	5	5	3	
		200.0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	
		48.0	12	12	12	4	6	9	9	9	3	7	7	3	12	12	12	4	7	10	10	10	4	8	8	4	3		
		62.0	12	12	12	4	7	7	4	5	3	5	3	12	12	12	4	7	6	3	3	6	4	4	4	4	3		
		72.0	10	10	10	4	6	6	4	4	12	12	12	4	7	6	3	9	9	7	3	5	3	4	4	4	3		
		92.0	8	8	6	3	5	4	4	4	11	11	9	3	5	3	4	4	4	4	4	4	4	4	4	4	4	3	
		200.0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	
		48.0	12	12	12	7	10	12	12	12	6	12	12	6	4	12	12	12	7	10	12	12	12	6	12	12	6	4	
		62.0	12	12	12	3	7	12	12	7	4	9	6	3	3	12	12	12	3	7	12	12	7	4	9	6	3	3	
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		92.0	12	12	11	5	8	4	3	7	3	12	12	11	5	8	4	3	7	3	12	12	11	5	8	4	3	3	
		200.0	7	3	7	7	3	7	3	7	3	7	3	7	3	7	3	7	3	7	3	7	3	7	3	7	3	7	3
	48.0	12	12	12	12	12	12	12	5	10	12	12	12	3	7	12	12	12	12	12	12	12	5	12	12	12	3	9	
	62.0	12	12	12	9	12	12	12	4	8	12	12	8	6	12	12	12	9	12	12	12	4	9	12	12	8	6		
	72.0	12	12	12	7	11	12	12	11	3	7	12	10	6	5	12	12	12	7	12	12	11	3	8	12	10	6	6	
	92.0	12	12	12	4	9	12	11	6	5	12	7	5	4	12	12	12	4	10	12	11	6	6	12	7	5	5		
	200.0	12	7	5	4	12	7	5	4	12	7	5	4	12	7	5	4	12	7	5	4	12	7	5	4	12	7	5	5
	48.0	12	12	12	4	7	10	10	10	4	7	7	3	3	12	12	12	5	8	12	12	12	5	9	9	4	3		
	62.0	12	12	12	5	8	8	4	3	5	3	12	12	12	3	6	10	10	5	4	7	4	4	7	4	3			
	72.0	11	11	11	4	6	6	5	12	12	12	5	8	8	3	3	6	3	5	4	6	3	5	4	6	3	3		
	92.0	9	9	7	3	5	3	4	11	11	9	4	6	3	5	5	5	5	5	5	5	5	5	5	5	5	3		
	200.0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3		

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 scale AS NOTED
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 sheet 7 of 7