



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Bend-Master, Inc.
3001 So. Palm Aire Drive, Suite #105
Pompano Beach, FL 33069

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 PERA-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. PERA 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.0511”(min.) Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 11-100, titled 0.0511” Aluminum Storm Panel, sheets 1 through 11 of 11, prepared by Tilteco, Inc., dated October 14, 2011, signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the 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, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, 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 #05-1115.05 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

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



Helmy A. Makar
11/24/2011

NOA No. 11-0815.06
Expiration Date: 08/16/2012
Approval Date: 11/24/2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0516.15

A. DRAWINGS:

1. *Drawing No. 00-393, titled "0.0511" Aluminum Storm Panel", prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E., dated April 10, 2001, last revision #1 dated July 18, 2001, sheets 1 through 5 of 5.*

B. TESTS:

1. *Test report on: 1) Uniform Static Air Pressure test Loading, per PA 202-94; 2) Large Missile Impact Test, per PA 201-94, and 3) Cyclic Loading Wind Pressure Test, per PA 203-94 of aluminum storm panels, prepared by Construction Testing Corporation, Report No. 00-061, dated 02/28/2001, signed and sealed by Christopher G. Tyson, P.E.*
2. *Test report on Large Missile Impact Test, per PA 201-94 of aluminum storm panels, prepared by Construction Testing Corporation, Report No. 01-009, dated 03/22/2001, signed and sealed by Christopher G. Tyson, P.E. to get less glass separation than test report 00-061. Conservatively, a less thickness "h" header used in this test.*

C. CALCULATIONS:

1. *Comparative analysis and anchor calculation, titled 0.050" Aluminum Alloy Storm Panels, dated April 06, 2001, pages 1 through 50 and anchor manufacturers appendix, prepared by Knezevich and Associates Inc., signed and sealed by V.J. Knezevich, P.E.*
2. *Anchor calculation, dated July 18, 2001, 13 pages, prepared by Knezevich and Associates Inc., signed and sealed by V.J. Knezevich, P.E.*

D. Material certification:

1. *Mill Certified Inspection Invoice #Test Coil, dated 04/25/01 for Aluminum Alloy 3004-H34 by Amerimet.*
2. *Certified Tensile Test Report No. CTL #0183G, issued by Certified Testing Laboratories dated 02/14/01 for Aluminum sample CTC-00-061, signed and sealed by Ramesh Patel, P.E.*

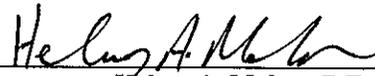
2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0410.02

A. DRAWINGS

See NOA 01-0516.15

B. TESTS

See NOA 01-0516.15



Helmy A. Makar, P.E., M.S.
PERA, Product Control Unit Supervisor
NOA No. 11-0815.06
Expiration Date: 08/16/2012
Approval Date: 11/24/2011

Bend-Master, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS
See NOA 01-0516.15

D. MATERIAL CERTIFICATIONS
See NOA 01-0516.15

E. STATEMENTS
See NOA 01-0516.15

F. OTHER
See NOA 01-0516.15

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-1115.05

A. DRAWINGS:

1. *Drawing No. 05-474, titled 0.0511" Aluminum Storm Panel, sheets 1 through 5 of 5, prepared by Thornton-Tomasetti Group, dated September 19, 2005, last revision #0 dated September 19, 2005, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS:

1. *None.*

C. CALCULATIONS:

1. *Revised anchor calculation with no 4/3 load increase, dated September 16, 2005, pages 1 through 31 of 31 and anchor manufacturers appendix, prepared by Thornton-Tomasetti Group, signed and sealed by V.J. Knezevich, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATION:

1. *None.*

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS:

1. *Drawing No. 11-100, titled 0.0511" Aluminum Storm Panel, sheets 1 through 11 of 11, prepared by Tilteco, Inc., dated October 14, 2011, signed and sealed by Walter A. Tillit Jr., P.E.*



Helmy A. Makar, P.E., M.S.
PERA, Product Control Unit Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS:

1. *None.*

C. CALCULATIONS:

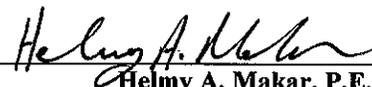
1. *Revised analysis and anchor calculation, dated October 10, 2011, pages 1 through 63 of 63 and anchor manufacturers appendix, prepared by Tiltco, Inc., signed and sealed by Walter A. Tillit Jr, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.*

E. MATERIAL CERTIFICATION:

1. *None.*



Helmy A. Makar, P.E., M.S.
PERA, Product Control Unit Supervisor
NOA No. 11-0815.06
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GENERAL NOTES:

1. STORM PANEL SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE. STORM PANEL MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE.

IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.A.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2005.

STORM PANEL'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER CONSTRUCTION TESTING CORPORATION REPORTS # 00-081 AND # 01-009, PER PROTOCOLS TAS 201, TAS 202 & TAS-203.

2. ALL ALUMINUM SHEET METAL PANELS SHALL HAVE 3004-H34 OR 5052-H34 ALLOY & Fy= 36.0 ksi. (AFTER ROLLED)

3. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY & TEMPER UNLESS OTHERWISE NOTED.

4. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 AND SECTION 2411.3.3.4 OF THE FLORIDA BUILDING CODE W/ 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH.

5. BOLTS TO BE ASTM A-307 GALVANIZED STEEL, OR AISI 304-SERIES STAINLESS STEEL, WITH 36 ksi MINIMUM YIELD STRENGTH.

6. ANCHORS TO WALL SHALL BE AS FOLLOWS:

(A) TO EXISTING POURED CONCRETE MINIMUM EDGE DISTANCE (E.D.), AS PER SHEET 7:

- 1/4"Ø TAPCONS & MAXI-SET TAPCONS ANCHORS AS MANUFACTURED BY I.T.W./BUILDEX, INC (Min. f'c=3192 psi)
- 1/4"Ø "PANELMATE FEMALE ID" OR MALE ANCHORS AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS (Min. f'c=3350 psi)
- 1/4"Ø x 3/4" ALL POINTS SOLID-SET ANCHORS AS DISTRIBUTED BY ALL POINTS SCREW, BOLT & SPECIALTY CO. (Min. f'c=3000 psi)

NOTES:

- A.1) MINIMUM EMBEDMENT INTO POURED CONCRETE OF TAPCON ANCHOR IS 1 3/4", AND 2" FOR "PANELMATE FEMALE ID" OR MALE
- A.2) MINIMUM EMBEDMENT OF 1/4"Ø x 3/4" ALL POINTS SOLID-SET ANCHORS SHALL BE 7/8" INTO POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" Ø-20 S.S. MACHINE SCREW W/ 3/4" ØD HEAD SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
- A.3) IN CASE THAT PRECAST STONE, PRECAST CONCRETE PANELS, OR PAVERS BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS, ANCHORAGE SHALL BE AS INDICATED ON NOTES A.1) & A.2) ABOVE.

(B) TO EXISTING CONCRETE BLOCK ASTM C-80:

- 1/4"Ø TAPCONS & MAXI-SET TAPCONS ANCHORS AS MANUFACTURED BY I.T.W./BUILDEX, INC.
- 1/4"Ø "PANELMATE FEMALE ID" OR MALE ANCHORS AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS (Min. f'm=2071 psi)
- 1/4"Ø x 3/4" ALL POINTS SOLID-SET ANCHORS AS DISTRIBUTED BY ALL POINTS SCREW, BOLT & SPECIALTY CO. (Min. f'm=1800 psi)

NOTES:

- B.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS, "PANELMATE FEMALE ID" OR MALE ANCHORS INTO THE CONCRETE BLOCK UNIT SHALL BE 1 1/4".
- B.2) MINIMUM EMBEDMENT OF 1/4"Ø x 3/4" ALL POINTS SOLID-SET ANCHORS SHALL BE 7/8" INTO THE CONCRETE BLOCK UNIT. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" Ø-20 S.S. MACHINE SCREW W/ 3/4" ØD HEAD SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
- B.3) IN CASE THAT PRECAST STONE OR PRECAST CONCRETE PANELS BE FOUND ON THE EXISTING WALL, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES IN B.1) & B.2) ABOVE.

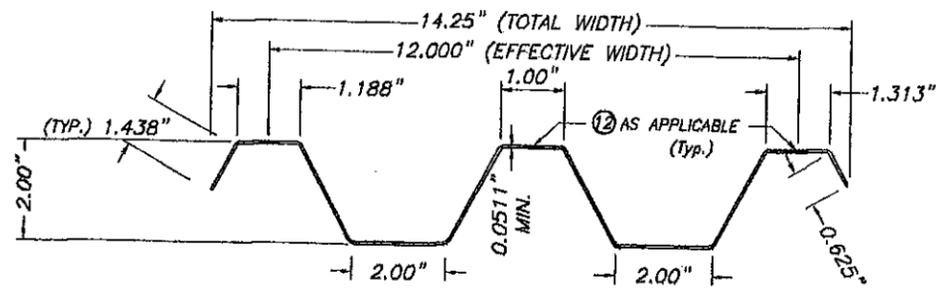
- (C) TO EXISTING WOOD (MIN. SPECIFIC GRAVITY, G = 0.55 MIN.): MINIMUM EDGE DISTANCE (E.D.) AS PER SHEETS 8 AND 9.
 - 1/4"Ø TAPCON ANCHORS, AS MANUFACTURED BY I.T.W./BUILDEX, INC
 - 1/4"Ø "PANELMATE FEMALE ID" OR MALE ANCHORS AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS.
 - 1/4"Ø LAG SCREWS PER N.D.S.
 - 1/4"Ø -20 x 5/8" WOOD BRASS BUSHINGS (DIRECT MOUNT ONLY) AS DISTRIBUTED BY ALL POINTS SCREW, BOLT & SPECIALTY CO. (Min. f'c=3000 psi). 1/4" Ø-20 S.S. MACHINE SCREW W/ 3/4" ØD HEAD SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.

NOTES:

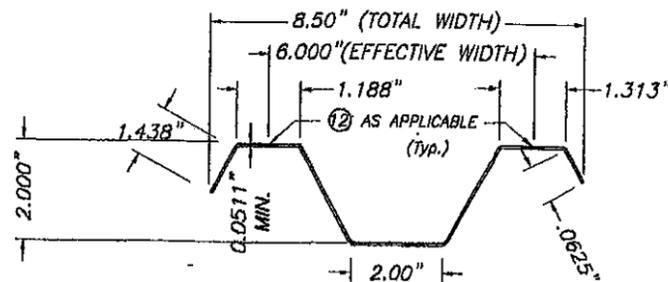
- C.1) MINIMUM THREADED PENETRATION INTO WOOD OF "PANELMATE" ANCHORS SHALL BE 1 7/8".
- C.2) MINIMUM THREADED PENETRATION OF TAPCON ANCHOR OR LAG SCREWS, INTO THE WOOD FRAME UNIT SHALL BE 1 1/2" NO THREADED PENETRATION INTO STUCCO SHALL BE CONSIDERED AS PART OF THE REQUIRED THREADED PENETRATION (EXCEPT AS NOTED).
- C.3) IN CASE THAT PRECAST STONE, OR PRECAST CONCRETE PANELS, STUCCO OR WOOD BANS BE FOUND ON THE EXISTING WALL, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS MENTIONED IN C.1) AND C.2).
- (D) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

- 7. PANELS MAY BE ALSO INSTALLED HORIZONTALLY FOLLOWING INSTALLATION DETAILS SHOWN ON SECTIONS 1 (BOTT. ONLY), 3 AND 5 (SHEETS 4 & 5 OF 11) AND SECTIONS 1W (BOTT. ONLY), 3W & 5W (SHEETS 8 AND 9 OF 11) EXCEPT THAT HEADERS ② & ③ SHALL NOT BE USED.
- 8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
- 9. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION.
- 10. STORM PANEL INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO:
- 11. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A-SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
- 12. SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY AND VISIBLE LOCATION AT PANEL. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:
BEND-MASTER, INC
 POMPANO BEACH, FL.
 MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-0815.06 Expiration Date 08/16/2012 By <i>Walter A. Tillit Jr.</i> Miami Dade Product Control MIAMI DADE COUNTY		WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER P.E. SEAL/SIGNATURE/DATE	FLORIDA BUILDING CODE (High Velocity Hurricane Zone)		
©2011 TILTECO, INC TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33168 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		0.0511" ALUMINUM STORM PANEL (2.00" DEEP) BEND-MASTER, INC 356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513		A.G. DRAWN BY: 10/14/11 DATE 11-100 DRAWING No	
REV. No 1 2	DESCRIPTION - -	DATE - -	REV. No 3 4	DESCRIPTION - -	DATE - -
SHEET 1 OF 11					



FULL PANEL



HALF PANEL

① STORM PANEL
SCALE: 1/4" = 1"

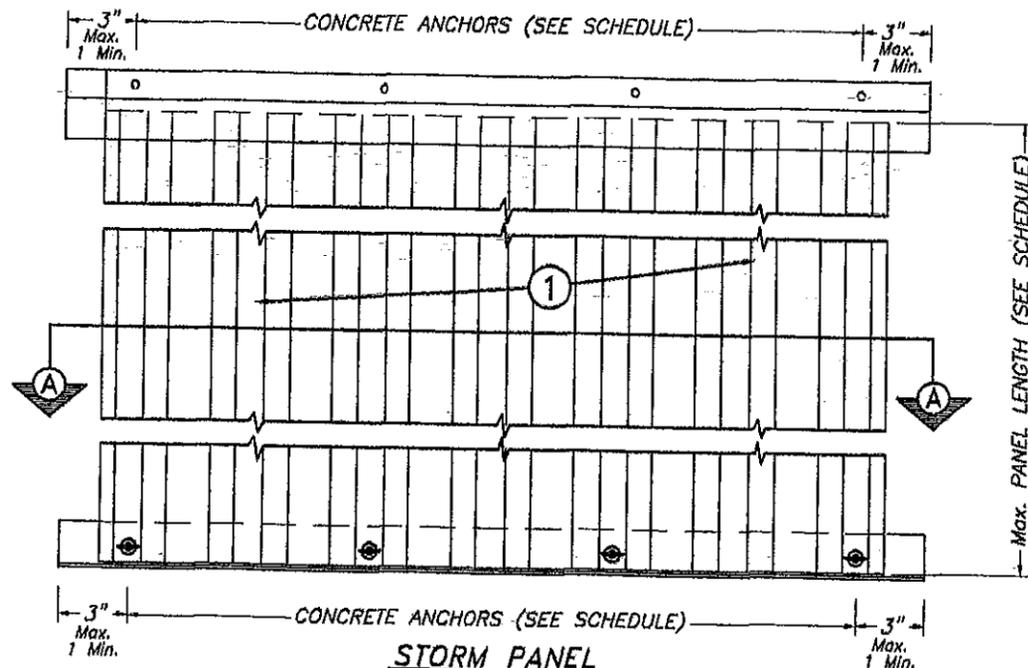
MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM PANEL LENGTH "L" SCHEDULE

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) (+ or -)	CONCRETE & WOOD INSTALLATIONS †	
	L+	L-
30.0	10'-10"	12'-0"
35.0	10'-5"	12'-0"
40.0	10'-1"	12'-0"
45.0	9'-10"	12'-0"
50.0	9'-6"	11'-10"
55.0	9'-4"	11'-3"
60.0	9'-1"	10'-9"
65.0	8'-11"	10'-4"
70.0	8'-9"	10'-0"
75.0	8'-7"	9'-8"
80.0	8'-6"	9'-4"
85.0	8'-4"	9'-0"
90.0	8'-3"	8'-10"
95.0	-	8'-6"
100.0	-	8'-4"
105.0	-	8'-2"
110.0	-	8'-0"
115.0	-	7'-9"
120.0	-	7'-8"
125.0	-	7'-6"

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) (+ or -)	CONCRETE & WOOD INSTALLATIONS †	
	L+	L-
130.0	-	7'-4"
135.0	-	7'-2"
140.0	-	7'-0"
145.0	-	6'-11"
150.0	-	6'-10"

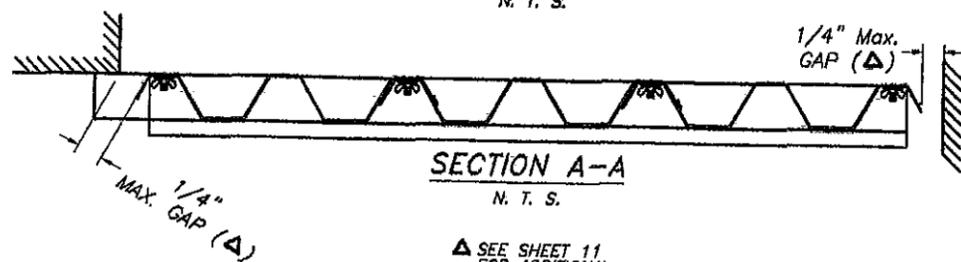
MIN. SEPARATION TO GLASS SCHEDULE

PANEL LENGTH	MIN. SEPARATION TO GLASS
8'-6" OR LESS	2 7/8"
>8'-6" TO 9'-0"	3"
>9'-0" TO 12'-0"	3 1/2"



STORM PANEL
TYPICAL ELEVATION

N. T. S.

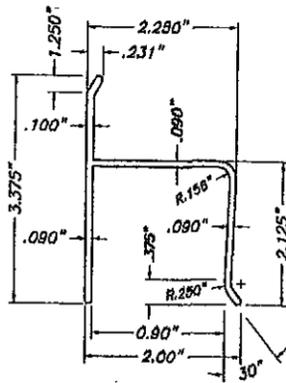


SECTION A-A
N. T. S.

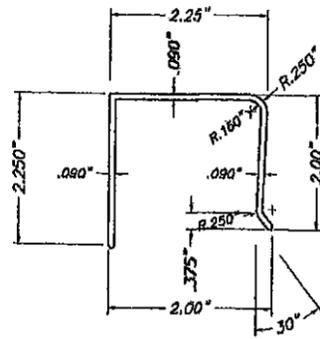
△ SEE SHEET 11 FOR ADDITIONAL END CLOSURE DETAILS

NOTES:
 *(1) L+: MAXIMUM ALLOWABLE PANEL LENGTH FOR A GIVEN POSITIVE DESIGN LOAD.
 L-: MAX. ALLOWABLE PANEL LENGTH FOR A GIVEN NEGATIVE DESIGN LOAD.
 (2) PROCEDURE TO DETERMINE MAXIMUM PANEL LENGTH:
 GIVEN A POSITIVE DESIGN LOAD, DETERMINE MAXIMUM PANEL LENGTH "L+" FROM SCHEDULE.
 GIVEN A NEGATIVE DESIGN LOAD, DETERMINE MAXIMUM PANEL LENGTH "L-" FROM SCHEDULE.
 FINAL MAXIMUM ALLOWABLE PANEL LENGTH IS EQUAL TO THE MINIMUM DETERMINED PANEL LENGTH BETWEEN "L+" AND "L-".
 † INSTALLATIONS INTO WOOD ARE LIMITED TO ± 70 p.s.f. DESIGN PRESSURE RATING

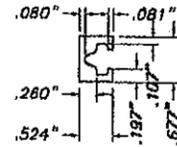
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-0815.06 Expiration Date 08/16/2012 By <i>Walter A. Tillit Jr.</i> Miami Dade Product Control MIAMI DADE COUNTY		FLORIDA BUILDING CODE (High Velocity Hurricane Zone)		A.G. DRAWN BY: 10/14/11 DATE 11-100 DRAWING No SHEET 2 OF 11
		©2011 TILTECO, INC TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33168 Phone: (305)871-1830 Fax: (305)871-1831 e-mail: tilteco@aol.com EB-0008719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167	0.0511" ALUMINUM STORM PANEL (2.00" DEEP) BEND-MASTER, INC 356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513	



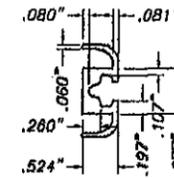
② **6" HEADER**
SCALE: 3/8" = 1"



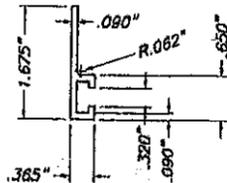
③ **U" HEADER**
SCALE: 3/8" = 1"



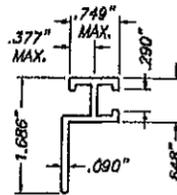
④ **PRE-STUCCO C-TRACK**
SCALE: 3/8" = 1"



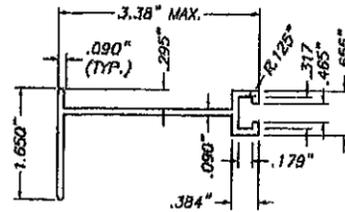
⑤ **C-TRACK AFTER STUCCO**
SCALE: 3/8" = 1"



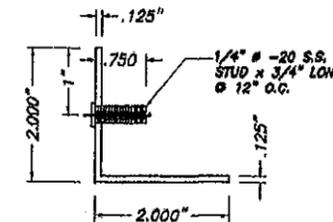
⑥ **F" TRACK**
SCALE: 3/8" = 1"



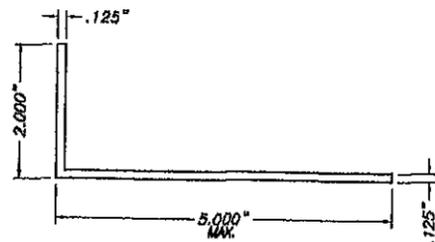
⑦ **BF" TRACK**
SCALE: 3/8" = 1"



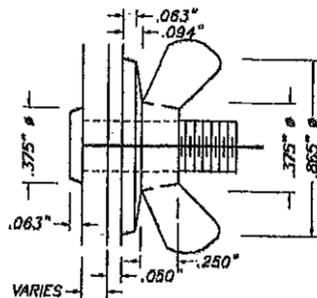
⑧ **BUILD OUT F-TRACK**
SCALE: 3/8" = 1"



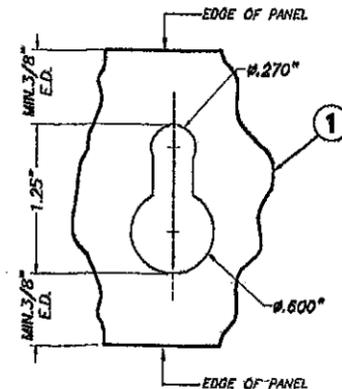
⑨ **STUD ANGLE**
SCALE: 3/8" = 1"



⑩ **ANGLE**
SCALE: 3/8" = 1"



⑪ **WASHERED WINGNUT**
SCALE: 3/8" = 1"

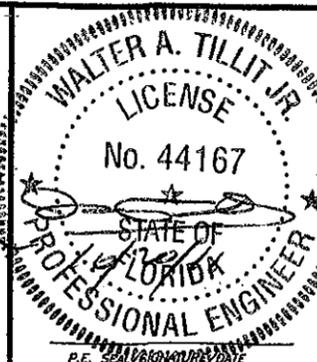


⑫ **KEY HOLE AT PANEL**
SCALE: 3/8" = 1"

COMPONENTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0815.06
Expiration Date 08/16/2017
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI DADE COUNTY



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th, St., Ste. 305, VIRGINIA GARDENS, FL 33186
Phone: (305)871-1530 • Fax: (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

0.0511" ALUMINUM STORM PANEL
(2.00" DEEP)

A.G.
DRAWN BY:

BEND-MASTER, INC

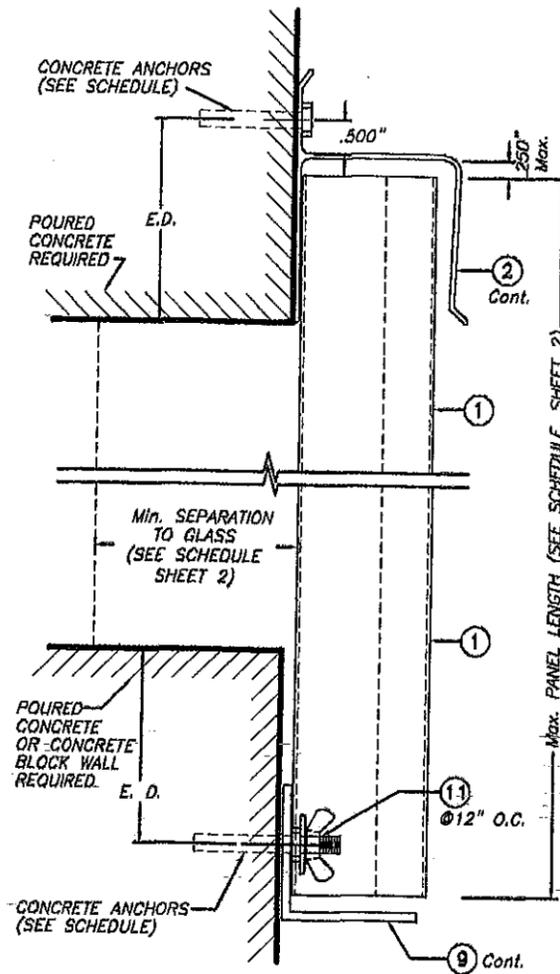
10/14/11
DATE

356 S.W. 13 AVE
POMPANO BEACH FL, 33069
PH: 954-692-4852 FAX: 954-974-6513

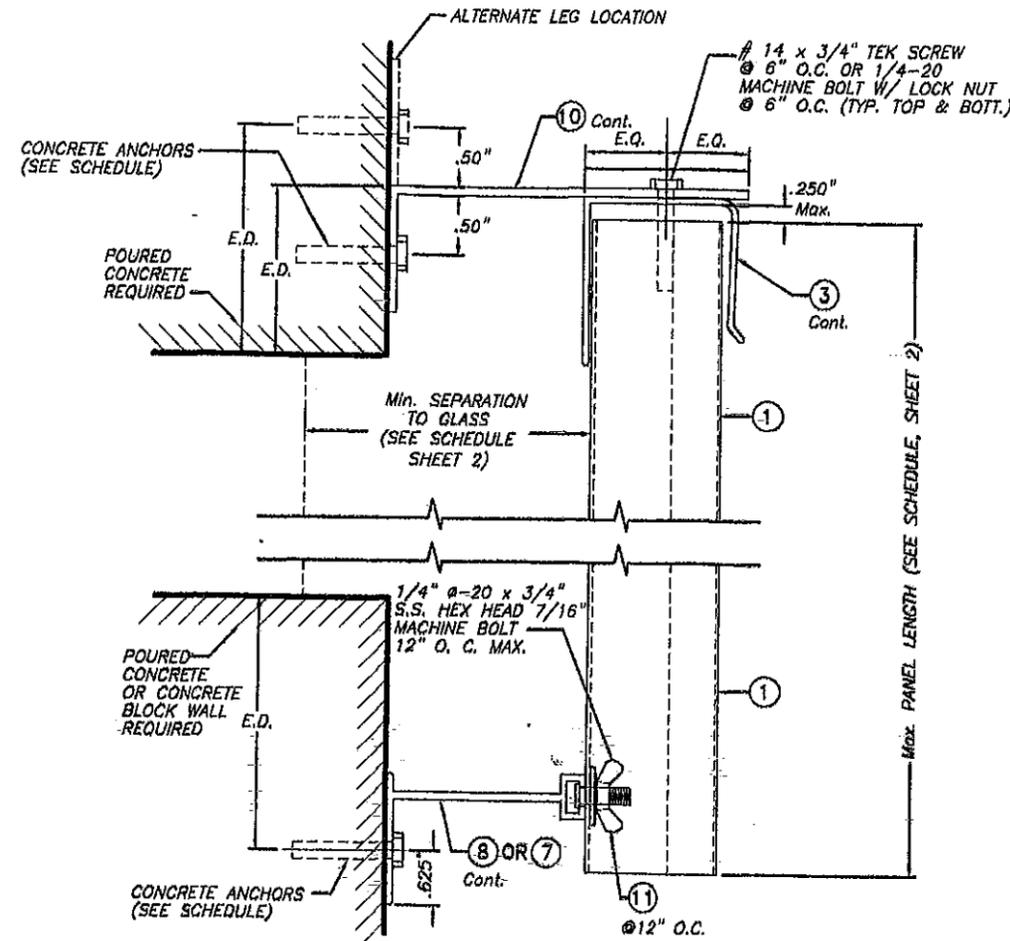
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DRAWING No

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2	-	-	4	-	-

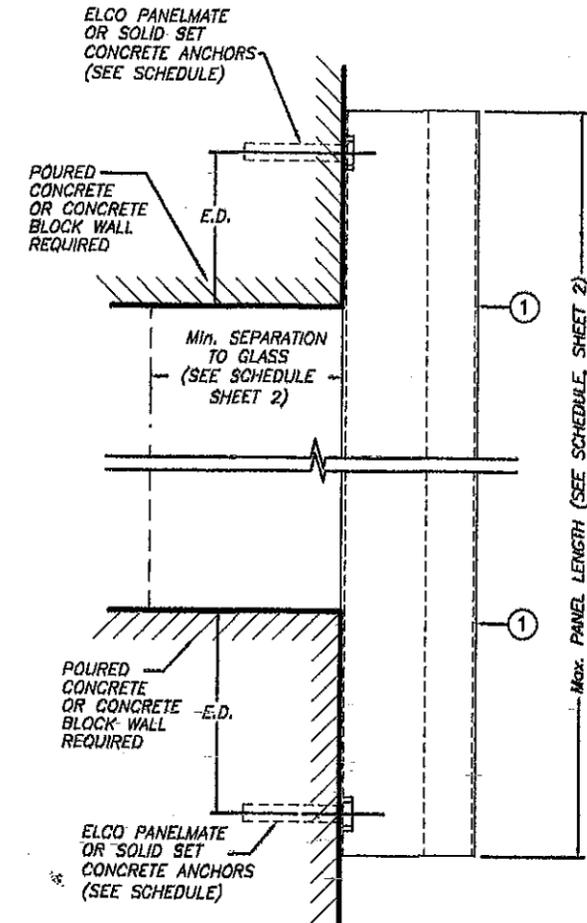
SHEET 3 OF 11



WALL MOUNTING INSTALLATION
SECTION 1
 SCALE: 1/2" = 1"



BUILD OUT MOUNTING INSTALLATION
SECTION 2
 SCALE: 1/2" = 1"



DIRECT MOUNTING INSTALLATION
SECTION 3
 SCALE: 1/2" = 1"

INSTALLATION INTO POURED CONCRETE OR CONCRETE BLOCK

E. D. = EDGE DISTANCE
 (SEE SCHEDULE ON
 SHEET 7)

NOTE FOR COMBINATION OF SECTIONS :

WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE
 COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 11-0815-06
 Expiration Date 08/16/2012

By *Helmut H. Miller*
 Miami Dade Product Control

MIAMI DADE COUNTY



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

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 EB-0006719
 WALTER A. TILLIT Jr. P.E.
 FLORIDA Lic. # 44167

0.0511" ALUMINUM STORM PANEL
 (2.00" DEEP)

BEND-MASTER, INC

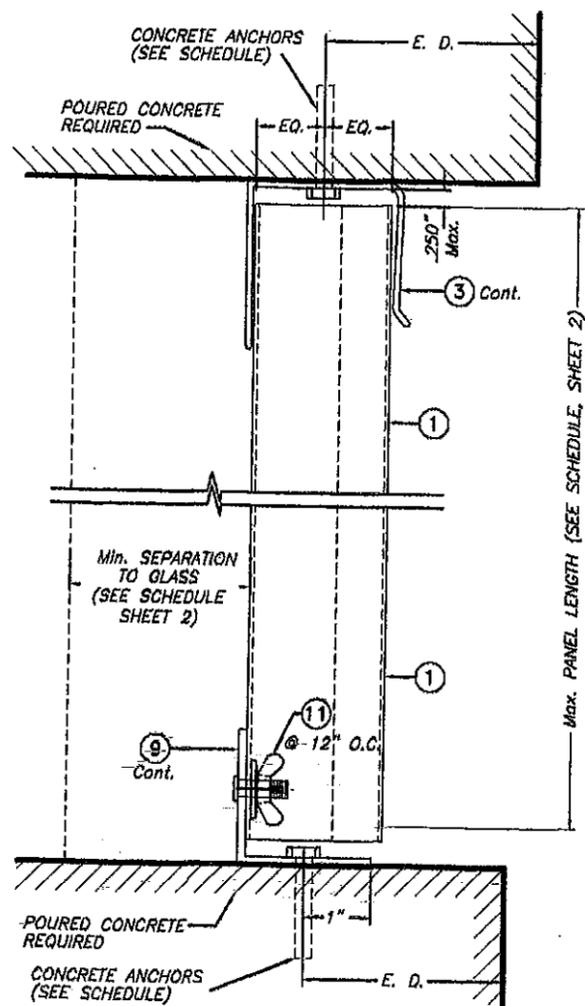
358 S.W. 13 AVE
 POMPANO BEACH FL, 33069
 PH: 954-692-4852 FAX: 954-974-6513

A.G.
 DRAWN BY:

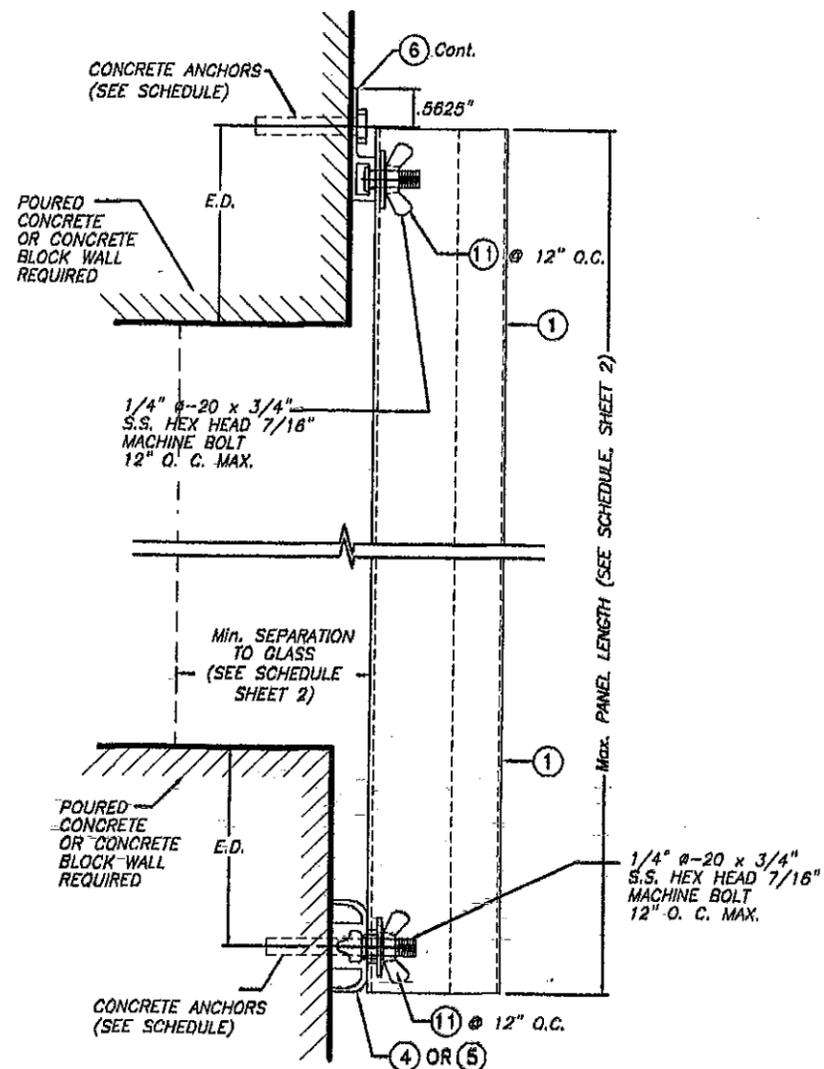
10/14/11
 DATE

11-100
 DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-



CEILING/FLOOR MOUNTING INSTALLATION
SECTION 4
 SCALE: 1/2" = 1"



F-TRACK/C-TRACK ASSEMBLY
SECTION 5
 SCALE: 1/2" = 1"

INSTALLATION INTO POURED CONCRETE OR CONCRETE BLOCK

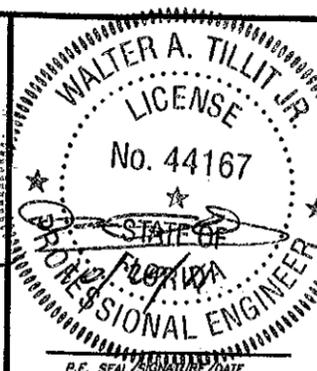
E. D. = EDGE DISTANCE
 (SEE SCHEDULE ON
 SHEET 7)

NOTE FOR COMBINATION OF SECTIONS :

WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE
 COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 11-0815.06
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MIAMI DADE COUNTY



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

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 WALTER A. TILLIT JR. P.E.
 FLORIDA Lic. # 44167

0.0511" ALUMINUM STORM PANEL
 (2.00" DEEP)

BEND-MASTER, INC
 356 S.W. 13 AVE
 POMPANO BEACH FL, 33069
 PH: 954-692-4852 FAX: 954-974-6513

A.G.
 DRAWN BY:

10/14/11
 DATE

11-100
 DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

SHEET 5 OF 11

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR INSTALLATIONS IN CONCRETE AND CONCRETE BLOCK STRUCTURES

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **						APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	REGULAR TAPCONS		SOLID SET		PANELMATES			
	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK		
+30.0, -30.0 UP TO +50.0, -50.0	12"	-	12"	-	12"	-	1 (TOP)	6'-0" OR LESS
	12"	12"	12"	12"	12"	12"	1 (BOTTOM)	
	12"	-	12"	-	12"	-	2 (TOP)	
	12"	12"	12"	12"	12"	12"	2 (BOTTOM)	
	-	-	12"	12"	12"	12"	3 (TOP)	
	-	-	12"	12"	12"	12"	3 (BOTTOM)	
	12"	-	12"	-	12"	-	4 (TOP)	
	12"	-	12"	-	12"	-	4 (BOTTOM)	
	12"	12"	12"	12"	12"	12"	5 (TOP)	
	12"	12"	12"	12"	12"	12"	5 (BOTTOM)	

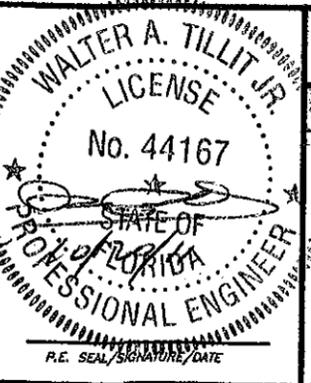
MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **						APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	REGULAR TAPCONS		SOLID SET		PANELMATES			
	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK		
+30.0, -30.0 UP TO +50.0, -50.0	12"	-	12"	-	12"	-	1 (TOP)	> 6'-0" UP TO 11'-10"
	12"	7 1/2"	12"	12"	12"	10 1/2"	1 (BOTTOM)	
	12"	-	12"	-	12"	-	2 (TOP)	
	12"	7 1/2"	12"	12"	12"	10 1/2"	2 (BOTTOM)	
	-	-	12"	12"	12"	6"	3 (TOP)	
	-	-	12"	12"	12"	6"	3 (BOTTOM)	
	10"	-	12"	-	10 1/2"	-	4 (TOP)	
	9"	-	11"	-	9"	-	4 (BOTTOM)	
	12"	7 1/2"	12"	12"	12"	10 1/2"	5 (TOP)	
	12"	7 1/2"	12"	12"	12"	10 1/2"	5 (BOTTOM)	

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2"						APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	REGULAR TAPCONS		SOLID SET		PANELMATES			
	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK		
+50.0, -50.0 UP TO +70.0, -70.0	12"	-	12"	-	12"	-	1 (TOP)	> 6'-0" UP TO 10'-0"
	12"	7 1/2"	12"	12"	12"	10 1/2"	1 (BOTTOM)	
	12"	-	12"	-	12"	-	2 (TOP)	
	12"	8 1/2"	12"	12"	12"	9"	2 (BOTTOM)	
	-	-	12"	12"	12"	6"	3 (TOP)	
	-	-	12"	12"	12"	6"	3 (BOTTOM)	
	9"	-	11"	-	9"	-	4 (TOP)	
	7 1/2"	-	9 1/2"	-	7 1/2"	-	4 (BOTTOM)	
	12"	8 1/2"	12"	12"	12"	9"	5 (TOP)	
	12"	7 1/2"	12"	12"	12"	10 1/2"	5 (BOTTOM)	

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2"						APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	REGULAR TAPCONS		SOLID SET		PANELMATES			
	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK		
+70.0, -70.0 UP TO +90.0, -90.0	12"	-	12"	-	12"	-	1 (TOP)	6'-0" OR LESS
	12"	12"	12"	12"	12"	12"	1 (BOTTOM)	
	12"	-	12"	-	12"	-	2 (TOP)	
	12"	8 1/2"	12"	12"	12"	11 1/2"	2 (BOTTOM)	
	-	-	12"	12"	12"	12"	3 (TOP)	
	-	-	12"	12"	12"	12"	3 (BOTTOM)	
	11 1/2"	-	12"	-	11 1/2"	-	4 (TOP)	
	10"	-	12"	-	10"	-	4 (BOTTOM)	
	12"	8 1/2"	12"	12"	12"	11 1/2"	5 (TOP)	
	12"	12"	12"	12"	12"	12"	5 (BOTTOM)	

E. D. = EDGE DISTANCE
SEE SHEET 7

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0815-06
Expiration Date 08/16/2012
By: *Walter A. Tillit Jr.*
Miami Dade Product Control
MIAMI DADE COUNTY



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)
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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tilteco@aol.com
EB-0008719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

0.0511" ALUMINUM STORM PANEL (2.00" DEEP)			A.G. DRAWN BY:		
BEND-MASTER, INC 356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513			10/14/11 DATE		
			11-100 DRAWING No		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR INSTALLATIONS IN CONCRETE AND CONCRETE BLOCK STRUCTURES

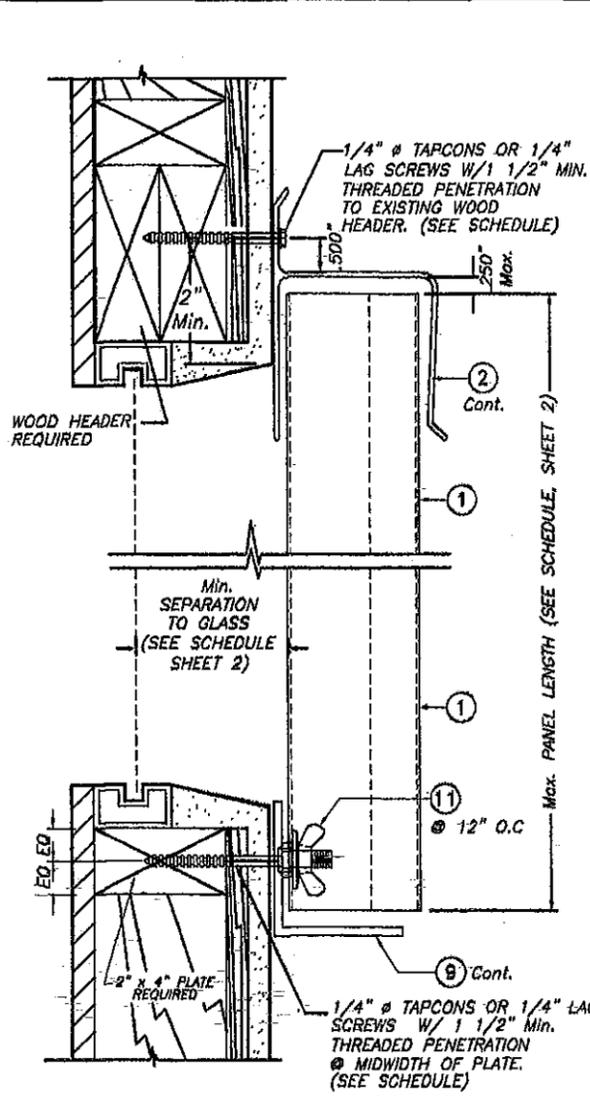
MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2"*						APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	REGULAR TAPCONS		SOLID SET		PANELMATES			
	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK	TO CONCRETE	TO BLOCK		
+90.0, -90.0 UP TO +90.0, -150.0	3"	-	3"	-	3"	-	1 (TOP)	> 6'-0" UP TO 8'-10"
	12"	10 1/2"	12"	12"	12"	12"	1 (BOTTOM)	
	6"	-	6"	-	6"	-	2 (TOP)	
	12"	5 1/2"	12"	11 1/2"	12"	7 1/2"	2 (BOTTOM)	
	-	-	12"	12"	12"	12"	3 (TOP)	
	-	-	12"	12"	12"	12"	3 (BOTTOM)	
	5 1/2"	-	7"	-	5 1/2"	-	4 (TOP)	
	5"	-	6"	-	5"	-	4 (BOTTOM)	
	12"	5 1/2"	12"	11 1/2"	12"	7 1/2"	5 (TOP)	
	12"	10 1/2"	12"	12"	12"	12"	6 (BOTTOM)	

SEE SHEET 9 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDINGS.

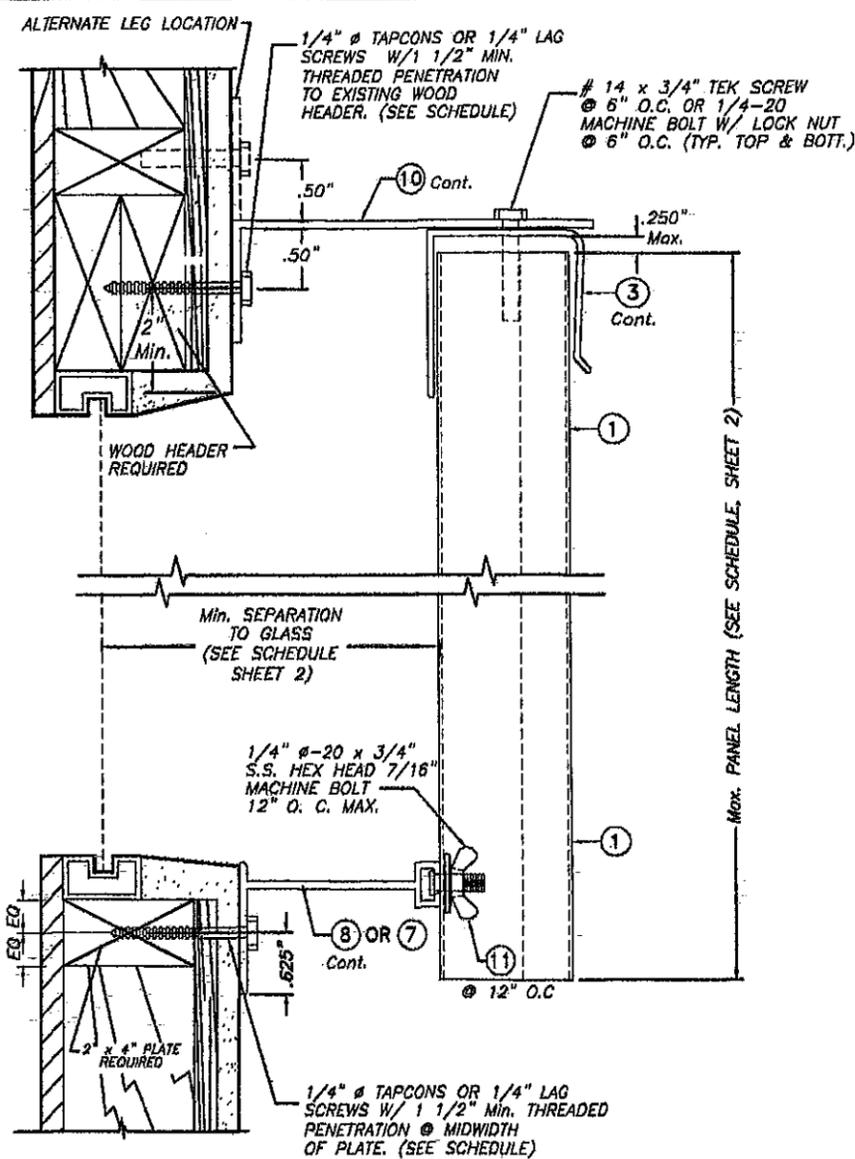
** MINIMUM ANCHOR SPACINGS AND MINIMUM EDGE DISTANCE ARE INDICATED ON THIS SCHEDULE. FOR E.D. LESS THAN INDICATED ON SCHEDULE REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE ON THIS SCHEDULE.

ANCHOR TYPE	1/4"Ø	1/4"Ø	1/4"Ø
	TAPCON	SOLID-SET	PANELMATE
MINIMUM ANCHOR SPACING (in.)	3	3	3
MINIMUM EDGE DISTANCE (E.D.)	CONCRETE (in.)	3 1/2"	3"
	CONCRETE BLOCK (in.)	3	3 1/2"
ACTUAL EDGE DISTANCE (E.D.)	FACTOR		
1 1/2"	.35	-	-
2 1/2"	-	0.63	-
3"	1.00	-	-
3 1/2"	-	1.00	1.00

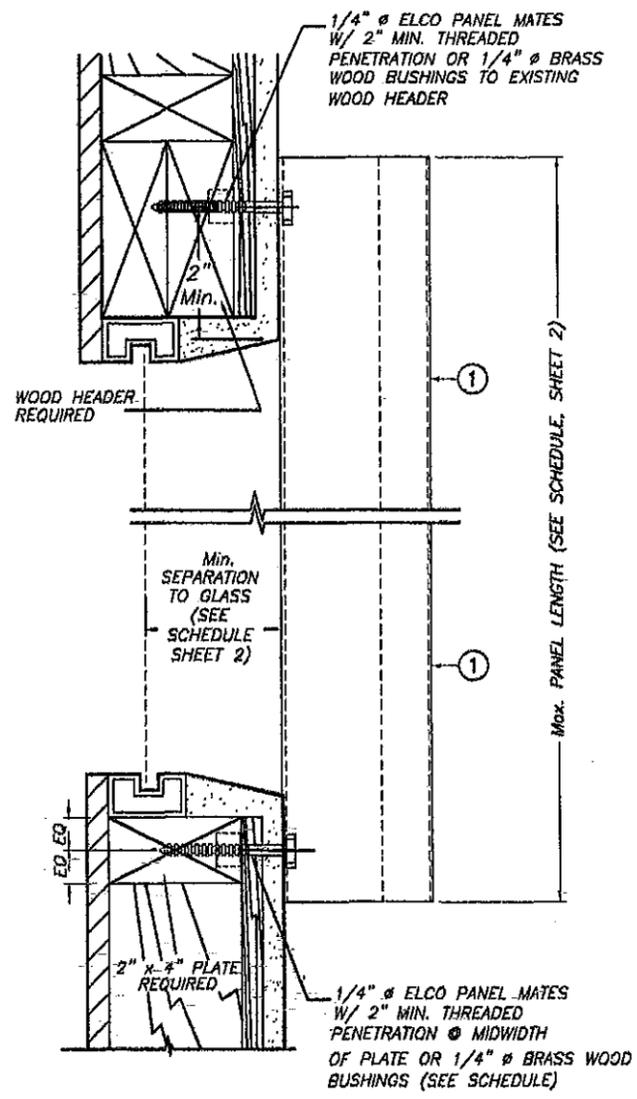
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-0815-06 Expiration Date 08/16/2012 By <i>Walter A. Tillit Jr.</i> Miami Dade Product Control MIAMI DADE COUNTY		FLORIDA BUILDING CODE (High Velocity Hurricane Zone)			
		©2011 TILTECO, INC.	0.0511" ALUMINUM STORM PANEL (2.00" DEEP)	A.G. DRAWN BY:	
	TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Sta. 305, VIRGINIA GARDENS, FL 33168 Phone: (305)871-1530 Fax: (305)871-1531 e-mail: tilteco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167	BEND-MASTER, INC 356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513	10/14/11 DATE		
		11-100 DRAWING No			
				SHEET 7 OF 11	



WALL MOUNTING INSTALLATION
SECTION 1W
 SCALE : 1/2" = 1"



BUILD OUT MOUNTING INSTALLATION
SECTION 2W
 SCALE : 1/2" = 1"

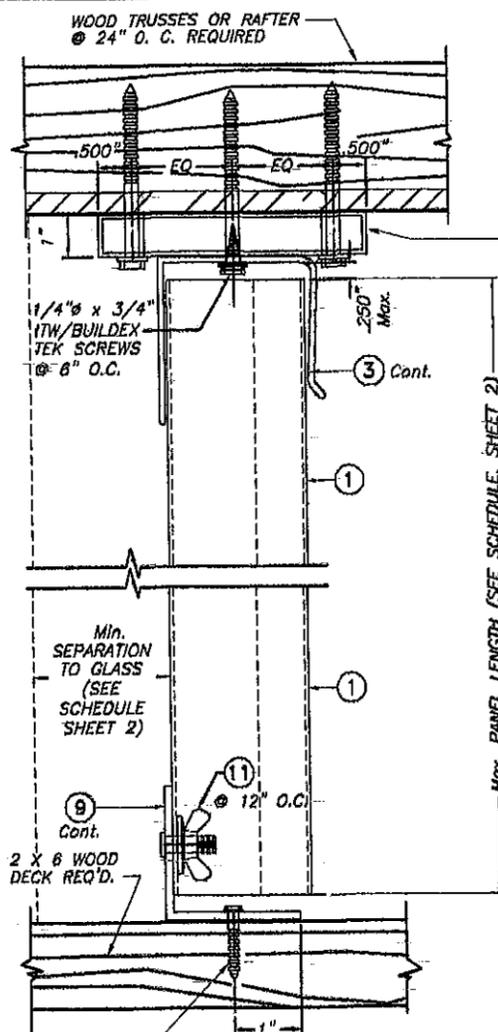


DIRECT MOUNTING INSTALLATION
SECTION 3W
 SCALE : 1/2" = 1"

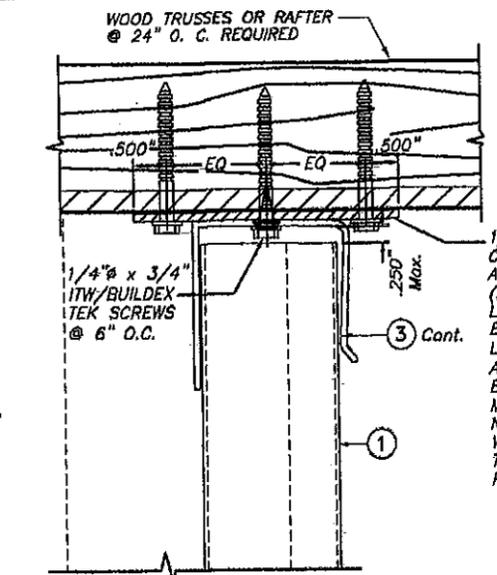
INSTALLATION INTO WOOD

NOTE FOR COMBINATION OF SECTIONS :
 WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-0815-86 Expiration Date 2/16/2012 By <i>Walter A. Tillit Jr.</i> Miami Dade Product Control MIAMI DADE COUNTY			FLORIDA BUILDING CODE (High Velocity Hurricane Zone) ©2011 TILTECO, INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186 Phone : (305)871-1530 Fax : (305)871-1531 e-mail: tiltco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		0.0511" ALUMINUM STORM PANEL (2.00" DEEP) BEND-MASTER, INC 356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513	A.G. DRAWN BY: 10/14/11 DATE 11-100 DRAWING No SHEET 8 OF 11
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
1			3			
2			4			

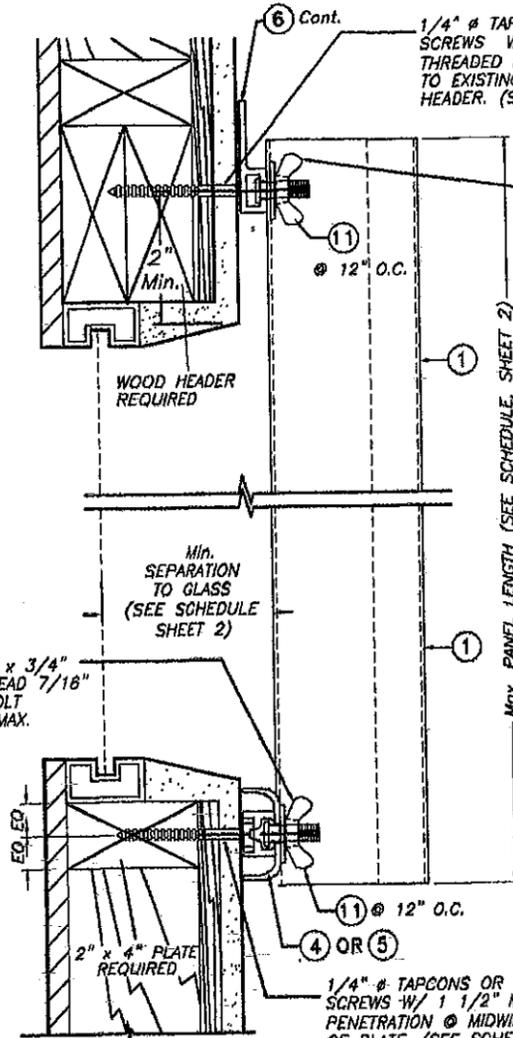


1" x 4" x 1/8"
Min. (8063-T6)
Alum. TUBE W/
(3) 5/16" ø x
LAG SCREWS TO
EACH JOIST.
LOCATE SCREW
AT MIDWIDTH OF
EXISTING WOOD
MEMBER (2" Min.
NOMINAL WIDTH)
W/ 2" Min.
THREADED
PENETRATION.



**ALTERNATE CEILING
INSTALLATION SECTION 4W**
SCALE: 1/2" = 1"
(LIMITED TO 9'-0" MAX. PANEL LENGTH)

1/8" x 4 1/2"
CONT. (8063-T6)
Alum. PLATE W/
(3) 5/16" ø x
LAG SCREWS TO
EACH JOIST.
LOCATE SCREW
AT MIDWIDTH OF
EXISTING WOOD
MEMBER (2" Min.
NOMINAL WIDTH)
W/ 2" Min.
THREADED
PENETRATION.

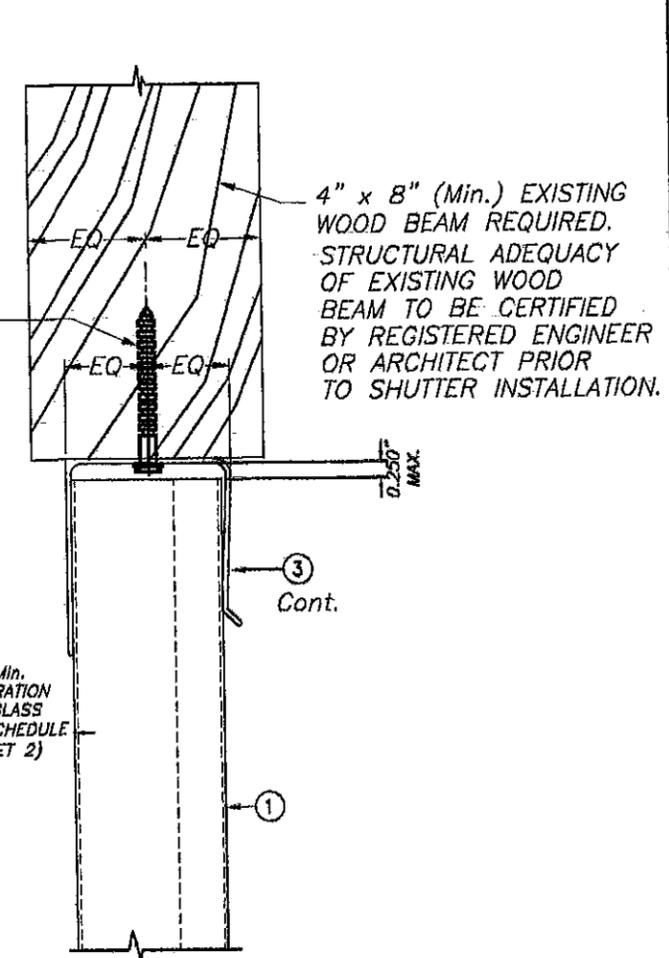


**F-TRACK/C-TRACK ASSEMBLY
SECTION 5W**
SCALE: 1/2" = 1"

1/4" ø TAPCONS OR 1/4" LAG
SCREWS W/ 1 1/2" MIN.
THREADED PENETRATION
TO EXISTING WOOD
HEADER. (SEE SCHEDULE)

1/4" ø-20 x 3/4"
S.S. HEX HEAD 7/16"
MACHINE BOLT
12" O. C. MAX.

1/4" ø TAPCONS
OR 1/4" LAG
SCREWS
(SEE SCHEDULE)
W/ 1 1/2" MIN.
THREADED
PENETRATION



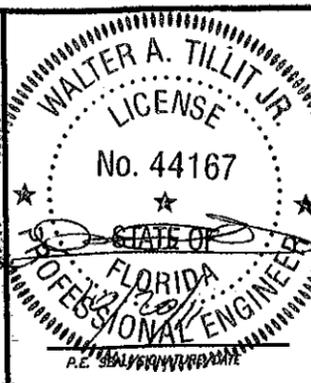
**ALTERNATE CONNECTION
AT TOP SECTION 6W**
SCALE: 1/2" = 1"

**CEILING/FLOOR MOUNTING INSTALLATION
SECTION 4W**
SCALE: 1/2" = 1"
(LIMITED TO 9'-0" MAX. PANEL LENGTH)

INSTALLATION INTO WOOD

NOTE FOR COMBINATION OF SECTIONS :
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

PRODUCT REVISED
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FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

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EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

0.0511" ALUMINUM STORM PANEL (2.00" DEEP)			A.G. DRAWN BY:		
BEND-MASTER, INC 356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513			10/14/11 DATE		
			11-100 DRAWING No		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-

SHEET 9 OF 11

**MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR
SPACING SCHEDULE FOR INSTALLATIONS INTO WOOD FRAME BUILDINGS**

MAXIMUM DESIGN LOAD W (p.s.f.)	WOOD FASTENERS		APPLICABLE TO ALTERNATIVES # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TAPCONS OR LAG SCREWS	PANELMATES OR BRASS BUSHINGS		
+30.0, -30.0 UP TO +50.0, -50.0	12"	12" *	1W (TOP)	6'-0" OR LESS
	12"	12" *	1W (BOTTOM)	
	12"	12" *	2W (TOP)	
	12"	12" *	2W (BOTTOM)	
	-	12"	3W (TOP)	
	-	12"	3W (BOTTOM)	
	11"	-	4W (BOTTOM)	
	12"	12" *	5W (TOP)	
	12"	12" *	5W (BOTTOM)	
	12"	-	6W (TOP)	

* NO BRASS BUSHINGS ALLOWED ON THIS MOUNTING SECTION

MAXIMUM DESIGN LOAD W (p.s.f.)	WOOD FASTENERS		APPLICABLE TO ALTERNATIVES # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TAPCONS OR LAG SCREWS	PANELMATES OR BRASS BUSHINGS		
+30.0, -30.0 UP TO +50.0, -50.0	12"	12" *	1W (TOP)	>6'-0" UP TO 11'-10"
	12"	12" *	1W (BOTTOM)	
	12"	12" *	2W (TOP)	
	12"	12" *	2W (BOTTOM)	
	-	6"	3W (TOP)	
	-	6"	3W (BOTTOM)	
	6 1/2"	-	4W (BOTTOM)	
	12"	12" *	5W (TOP)	
	12"	12" *	5W (BOTTOM)	
	6"	-	6W (TOP)	

* NO BRASS BUSHINGS ALLOWED ON THIS MOUNTING SECTION

MAXIMUM DESIGN LOAD W (p.s.f.)	WOOD FASTENERS		APPLICABLE TO ALTERNATIVES # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TAPCONS OR LAG SCREWS	PANELMATES OR BRASS BUSHINGS		
+50.0, -50.0 UP TO +70.0, -70.0	12"	12" *	1W (TOP)	6'-0" OR LESS
	12"	12" *	1W (BOTTOM)	
	12"	12" *	2W (TOP)	
	12"	12" *	2W (BOTTOM)	
	-	12"	3W (TOP)	
	-	12"	3W (BOTTOM)	
	7 1/2"	-	4W (BOTTOM)	
	12"	12" *	5W (TOP)	
	12"	12" *	5W (BOTTOM)	
	8"	-	6W (TOP)	

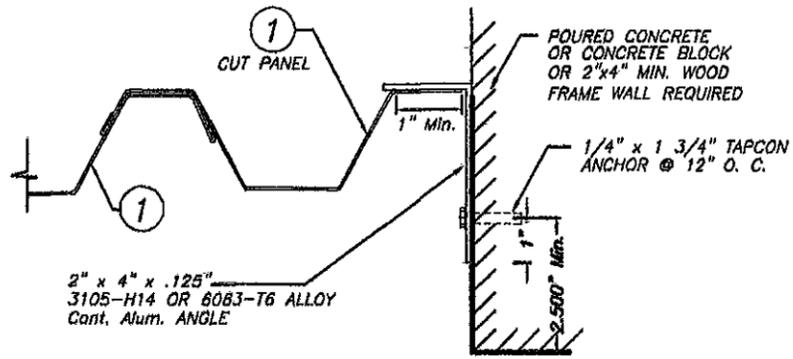
* NO BRASS BUSHINGS ALLOWED ON THIS MOUNTING SECTION

MAXIMUM DESIGN LOAD W (p.s.f.)	WOOD FASTENERS		APPLICABLE TO ALTERNATIVES # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TAPCONS OR LAG SCREWS	PANELMATES OR BRASS BUSHINGS		
+50.0, -50.0 UP TO +70.0, -70.0	12"	12" *	1W (TOP)	>6'-0" UP TO 10'-0"
	12"	11" *	1W (BOTTOM)	
	12"	11" *	2W (TOP)	
	12"	11" *	2W (BOTTOM)	
	-	6"	3W (TOP)	
	-	6"	3W (BOTTOM)	
	4 1/2"	-	4W (BOTTOM)	
	12"	11" *	5W (TOP)	
	12"	11" *	5W (BOTTOM)	
	6"	-	6W (TOP)	

* NO BRASS BUSHINGS ALLOWED ON THIS MOUNTING SECTION

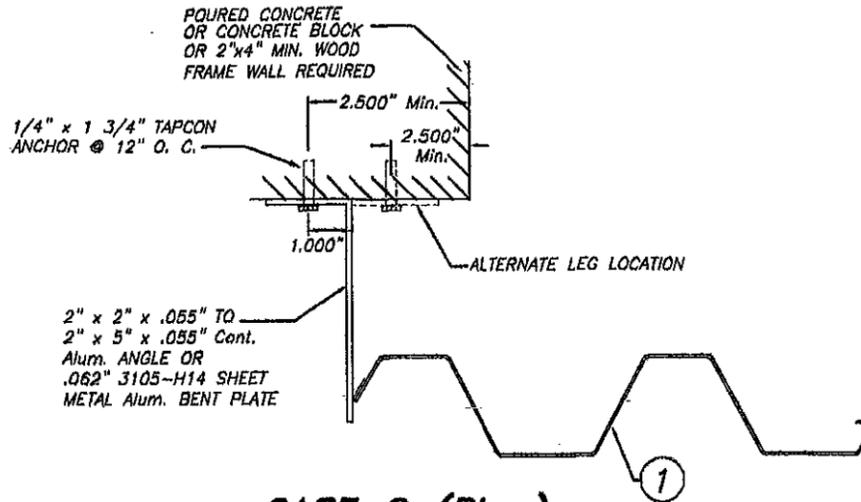
E. D. = EDGE DISTANCE
SEE SHEETS 8 & 9

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-0815-06 Expiration Date 08/16/2012</p> <p>By <i>Walter A. Tillit Jr.</i> Miami Dade Product Control</p> <p>MIAMI DADE COUNTY</p>		<p align="center">FLORIDA BUILDING CODE (High Velocity Hurricane Zone)</p>	
		<p>©2011 TILTECO, INC</p> <p align="center">TILTECO inc.</p> <p>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167</p>	<p>0.0511" ALUMINUM STORM PANEL (2.00" DEEP)</p> <p align="center">BEND-MASTER, INC</p> <p>356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513</p>
<p>REV. No DESCRIPTION DATE REV. No DESCRIPTION DATE</p> <p>1 - - 3 - -</p> <p>2 - - 4 - -</p>		<p align="right">SHEET 10 OF 11</p>	



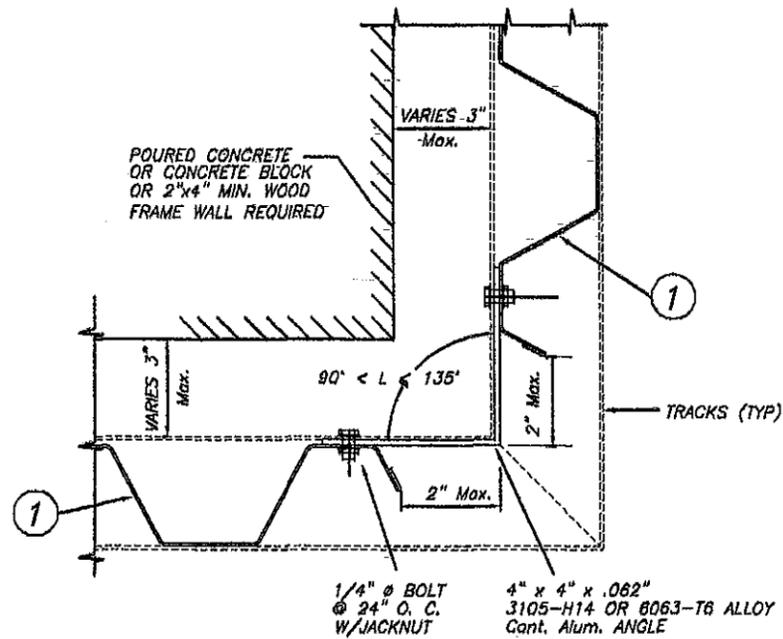
CASE A (Plan)

SCALE: 1/4" = 1"



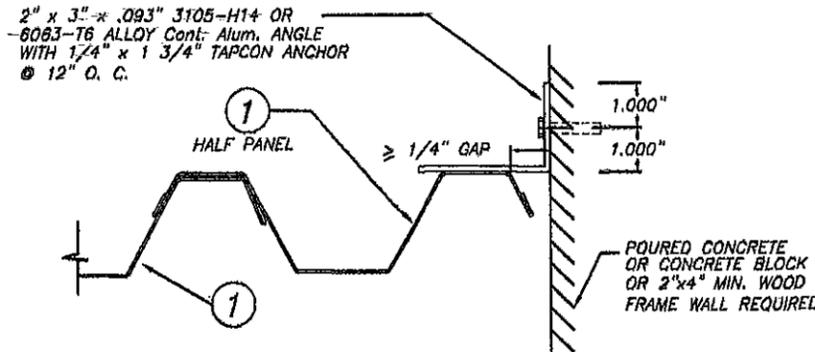
CASE C (Plan)

SCALE: 1/4" = 1"



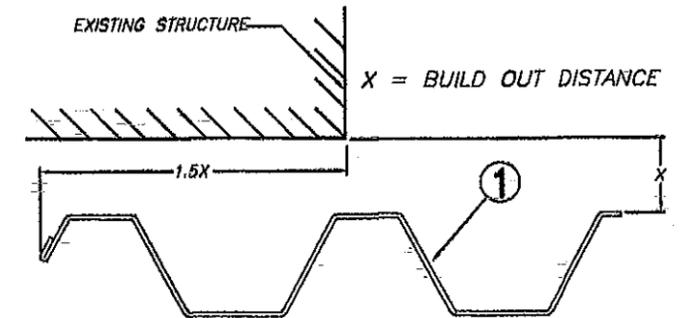
CASE B (Plan)

SCALE: 1/4" = 1"



CASE D (Plan)

SCALE: 1/4" = 1"



CASE E (Plan)

SCALE: 1/4" = 1"

END CLOSURES DETAILS

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-0815.06 Expiration Date 08/16/2012 By <i>Walter A. Tillit Jr.</i> Miami Dade Product Control</p>		<p>FLORIDA BUILDING CODE (High Velocity Hurricane Zone)</p>			
<p>MIAMI DADE COUNTY</p>		<p>©2011 TILTECO, INC</p>			
<p>WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER</p>		<p>TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1830 Fax: (305)871-1531 e-mail: tiltcco@aol.com EB-0006719 WALTER A. TILLIT Jr, P.E. FLORIDA Lic. # 44167</p>			
<p>0.0511" ALUMINUM STORM PANEL (2.00" DEEP)</p>		<p>A.G. DRAWN BY:</p>			
<p>BEND-MASTER, INC 356 S.W. 13 AVE POMPANO BEACH FL, 33069 PH: 954-692-4852 FAX: 954-974-6513</p>		<p>10/14/11 DATE</p>			
<p>11-100 DRAWING No</p>		<p>SHEET 11 OF 11</p>			
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		