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)

Poma Corporation
9040 Belvedere Road
West Palm Beach, FL 33411

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: **0.050" Aluminum Storm Panels Shutter**

APPROVAL DOCUMENT: Drawing No. 06-537, titled " 0.050" Aluminum Storm Panel", sheets 1 through 4 of 4, prepared by Thornton Tomasetti, dated December 06, 2006, last revision #0 dated December 06, 2006, 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 # 01-0410.10** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.
The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

PRODUCT CONTROL ACCEPTED

Helmy A. Makar
03/22/2007

NOA No. 06-0823.06
Expiration Date: 08/16/2011
Approval Date: 03/22/2007

Poma Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0410.10

A. DRAWINGS

1. *Drawing No. 00-408, titled "0.050" Aluminum Storm Panel", prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E., dated March 30, 2001, last revision #2 dated August 13, 2001, sheets 1 through 4 of 4.*

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. 01-005, dated 02/24/2001, signed and sealed by Christopher G. Tyson, P.E.*

C. CALCULATIONS

1. *Comparative analysis and anchor calculation, titled 0.050" Aluminum Alloy Storm Panels, dated March 30, 2001, pages 1 through 31 and anchor manufacturers appendix, prepared by Knezevich and Associates Inc., signed and sealed by V.J. Knezevich, P.E.*
2. *Comparative analysis, dated July 16, 2001, 3 pages, prepared by Knezevich and Associates Inc., signed and sealed by V.J. Knezevich, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Invoice #167143 B, dated 08/18/00 for Aluminum Alloy 5052-H32 by Commonwealth Aluminum.*
2. *Certified Tensile Test Report No. CTL #0296G, issued by Certified Testing Laboratories dated 03/13/01 for Aluminum sample CTC-01-005, signed and sealed by Ramesh Patel, P.E.*

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 06-537, titled " 0.050" Aluminum Storm Panel", sheets 1 through 4 of 4, prepared by Thornton Tomasetti, dated December 06, 2006, last revision #0 dated December 06, 2006, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *None.*

Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 06-0823.06
Expiration Date: 08/16/2011
Approval Date: 03/22/2007

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *Revised Anchor Calculations and details for 0.050" Aluminum Storm Panels, dated December 05, 2006, pages 1 through 15 of 15, prepared by Thornton Tomasetti, signed and sealed by V. J. Knezevich, P.E.*

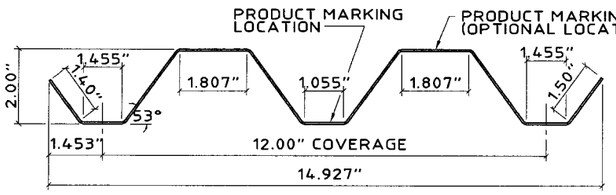
D. QUALITY ASSURANCE

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

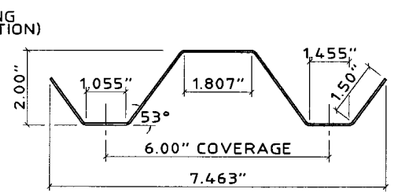
E. MATERIAL CERTIFICATIONS

1. *None.*

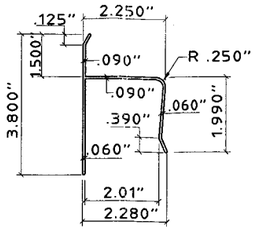
Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 06-0823.06
Expiration Date: 08/16/2011
Approval Date: 03/22/2007



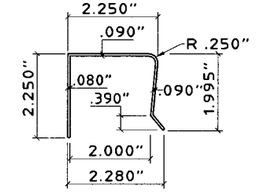
1 STORM PANEL
SCALE : 3" = 1'-0"



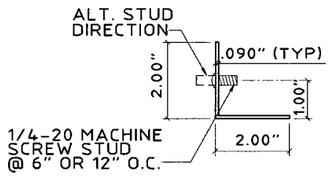
1a HALF PANEL
SCALE : 3" = 1'-0"
ONE HALF PANEL PER OPENING MAY BE USED AS REQUIRED TO COVER OPENING



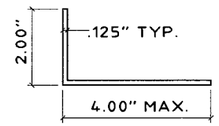
2 "h" HEADER
SCALE : 3" = 1'-0"



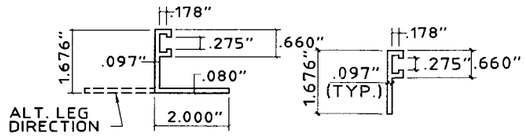
3 "U" HEADER
SCALE : 3" = 1'-0"



4 STUDDED ANGLE
SCALE : 3" = 1'-0"

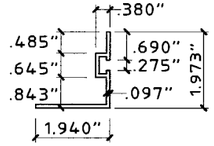


5 ANGLE
SCALE : 3" = 1'-0"

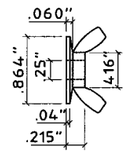


6 "E" TRACK
SCALE : 3" = 1'-0"

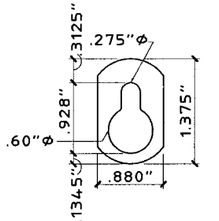
6a "F" TRACK
SCALE : 3" = 1' - 0"



6b REV. "F" ANGLE
SCALE : 3" = 1'-0"



7 ZAMAC ALLOY WASHERED WINGNUT
SCALE : HALF SIZE



8 .090" THICK "KEYHOLE" WASHER
SCALE : 3" = 1'-0"
3003-H14 ALUMINUM ALLOY

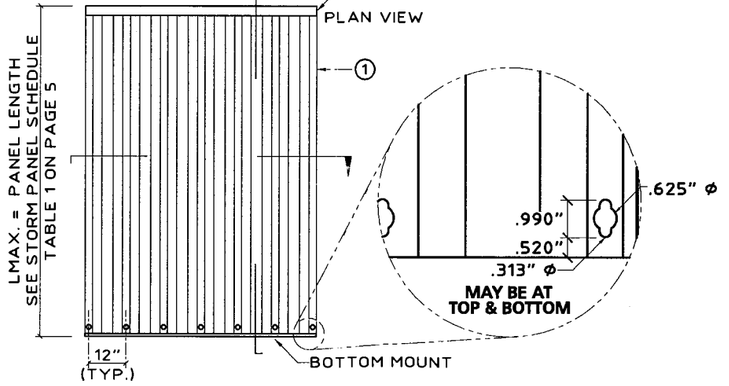
GENERAL NOTES:

1. 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 SUPPLEMENT.
2. 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 SCREW DESIGN.
3. 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.
4. THESE APPROVAL DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THIS SHUTTER SYSTEM.
5. USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
6. 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.
7. ANY MODIFICATIONS OR ADDITIONS TO THESE APPROVAL DOCUMENTS WILL VOID THE APPROVAL DOCUMENTS.
8. WHEN THE SITE CONDITIONS DEVIATE FROM THESE APPROVAL DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
   A) 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.
   B) REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION

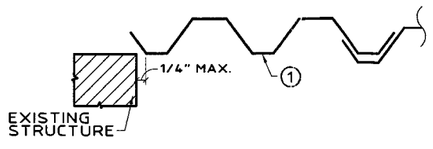
   WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY OPTION "B" SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
9. PRODUCT MARKINGS SHALL BE WITHIN 12" OF ONE END OF THE PANEL WITH A MINIMUM OF ONE MARKING PER PANEL AND SHALL BE PERMANENTLY LABELED AS FOLLOWS:

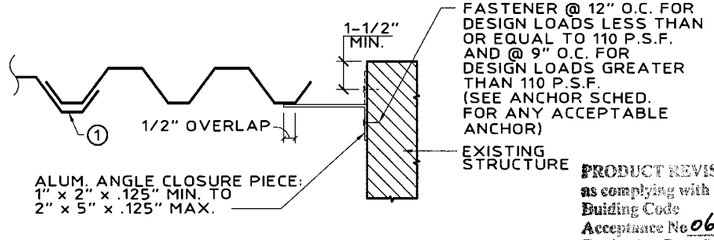
   POMA CORPORATION
   WEST PALM BEACH, FLORIDA
   MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED

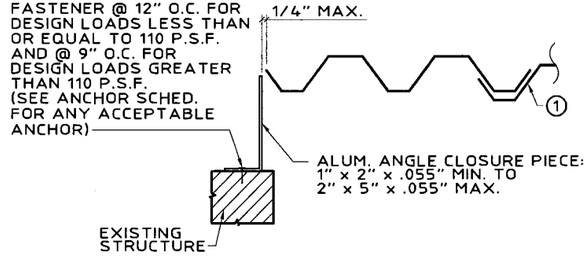
10. STORM PANELS SHALL BE 3004-H34 OR 5052-H32 ALUMINUM ALLOY 0.050" THICK (WITH Fy = 28,850 P.S.I. MIN.). ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.
11. ALL FASTENERS AND BOLTS TO BE 2024-T4 ALUMINUM ALLOY, 304 SERIES STAINLESS STEEL, OR GALVANIZED STEEL WITH A 33 K.S.I. MINIMUM YIELD STRENGTH.
12. TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE.
13. THE PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO SUSTAIN THE NEW SUPERIMPOSED LOADS AND TO VERIFY ALL DIMENSIONS AT THE JOB SITE BEFORE COMMENCING WITH THE WORK.



9 TYPICAL ELEVATION







TYPICAL PLAN VIEWS
SCALE: 1-1/2" = 1'-0"

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 06-0823.06
Expiration Date 08/16/2011
By 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 # 7519
Website: www.ThorntonTomasetti.com

0.050" ALUMINUM STORM PANEL

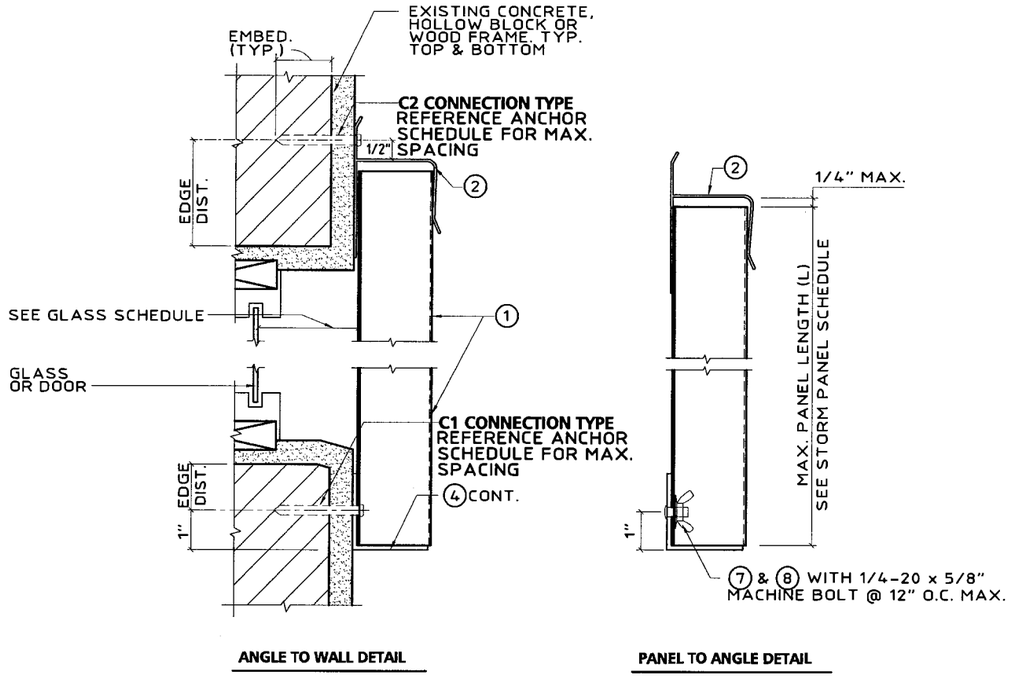
Poma Corporation
9040 Belvedere Road
West Palm Beach, FL 33411
Tel: (561) 790-5799 • Fax (561) 792-9281

V.J. Knezevich
Professional Engineer
FL License No. PE 0013983
DEC 06 2006

revisions			
no	date	by	description
0	12/06/2006	NW	PREVIOUSLY DRAWING NO. 00-408

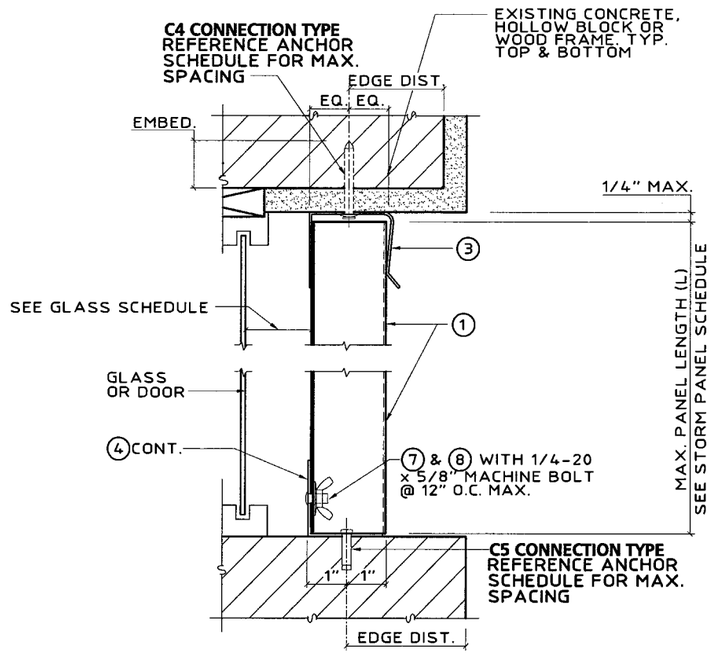
date 12/06/2006
scale AS NOTED | drawn by MCR
design by NW | checked by VJK
drawing no. 06-537
sheet 1 of 4

Print Information: P:\FL1\Projects\KK6537.00\Drawings\RO-sub\06-537-01.dwg MCantu 12/06/2006 11:25:36am 12/05/06 11:25



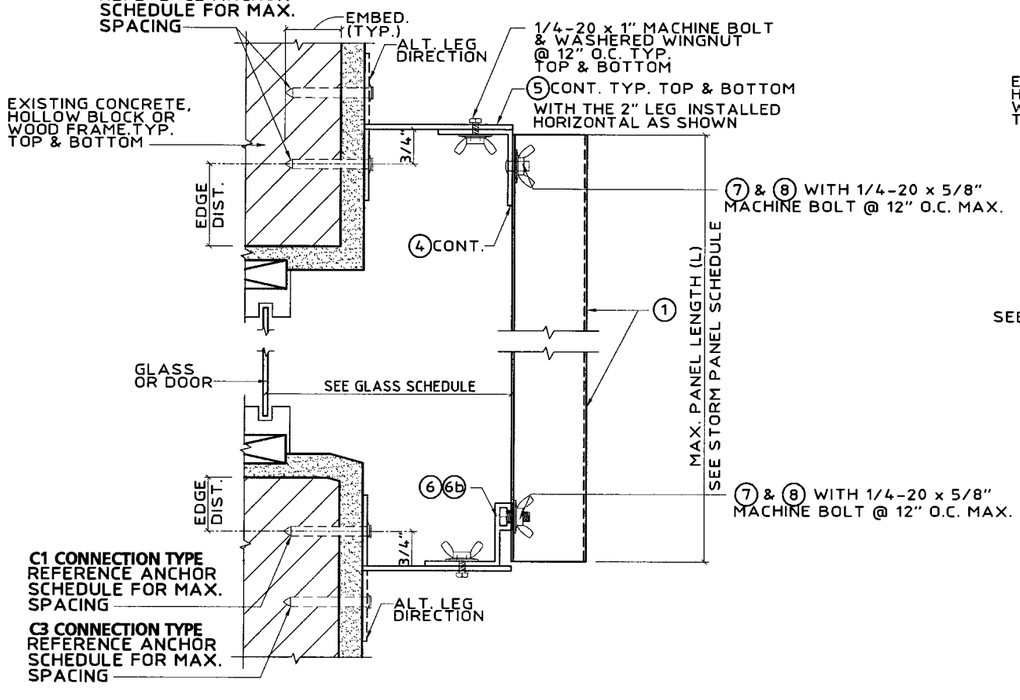
A WALL MOUNT SECTION

SCALE : 3" = 1'-0"



B CEILING/INSIDE MOUNT SECTION

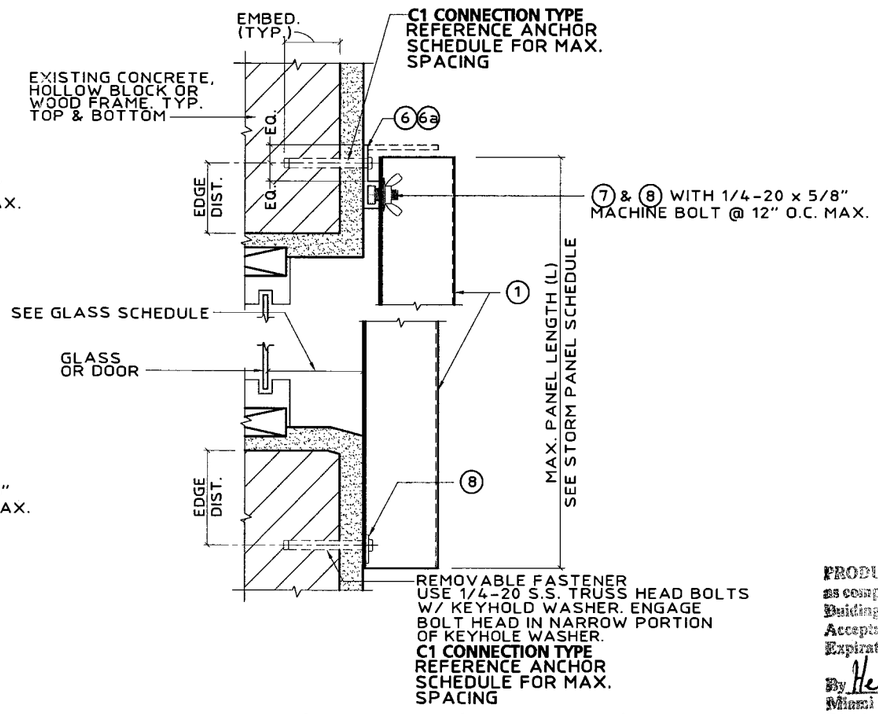
SCALE : 3" = 1'-0"



× SIDE CLOSURE REQ'D. (SEE PLAN VIEW)

C BUILD-OUT MOUNT SECTION

SCALE : 3" = 1'-0"



D WALL MOUNT SECTION (DIRECT MOUNT)

SCALE : 3" = 1'-0"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 06-0823.06
Expiration Date 08/16/2011
By Helena A. Morton
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 # 7519
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0.050" ALUMINUM STORM PANEL

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V.J. Knezevich
Professional Engineer
FL License No.: PE 0010983
DEC 06 2006

revisions			
no	date	by	description
0	12/06/2006	NW	PREVIOUSLY DRAWING NO. 06-108

date 12/06/2006
scale AS NOTED
drawn by MCR
design by NW
checked by VJK
drawing no. 06-537
sheet 2 of 4

Print Information: P:\FL1\Projects\KK6537.00\Drawings\R0-sub\06-537-02.dwg MCantu 12/06/2006 11:25:41am 12/05/06 11:25

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'-6" (SEE NOTE 1)					SPANS UP TO 8'-8" (SEE NOTE 1)					SPANS UP TO 10'-8" (SEE NOTE 1)					SPANS UP TO 5'-6" (SEE NOTE 1)					SPANS UP TO 8'-8" (SEE NOTE 1)					SPANS UP TO 10'-8" (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	C3	C4	C5
CONCRETE	1/4"ø ITW TAPCON WITH 1-3/4" MIN. EMBEDMENT (MIN. 3,192 P.S.I. CONCRETE)	48.0	12	12	12	12	12	12	12	12	11	11	12	12	12	8	8	12	12	12	12	12	12	12	12	12	12	12	12	10	10
		63.0	12	12	12	12	12	12	12	12	8	8	12	9	12	7	6	12	12	12	12	12	12	12	12	10	10	12	10	12	8	8
		72.0	12	12	12	11	11	12	10	12	7	7	12	9	12	7	6	12	12	12	12	12	12	11	12	8	8	12	10	12	8	8
		98.0	12	12	12	8	8	12	9	12	7	6	12	9	12	7	6	12	12	12	10	10	12	10	12	8	8	12	10	12	8	8
		200.0	12	9	12	7	6	12	9	12	7	6	12	9	12	7	6	12	10	12	8	8	12	10	12	8	8	12	10	12	8	8
	* 1/4"ø ELCO MALE/ FEMALE "PANELMATE" W/ 1-3/4" MIN. EMBED. & 1/4-20 MACHINE SCREW WITH NUT (MIN. 3,000 P.S.I. CONCRETE)	48.0																12	12	12	12	12	12	12	12	12	12	12	12	10	10
		63.0																12	12	12	12	12	12	12	12	10	10	12	9	12	8	8
		72.0																12	12	12	12	12	12	10	12	8	8	12	9	12	8	8
		98.0																12	12	12	10	10	12	9	12	8	8	12	9	12	8	8
		200.0																12	9	12	8	8	12	9	12	8	8	12	9	12	8	8
	* 1/4"ø ALL POINTS SOLID SET WITH 7/8" EMBED. & 1/4-20 STAINLESS STEEL MACHINE SCREW (MIN. 2,000 P.S.I. CONCRETE)	48.0	12	12	12	12	12	12	12	12	12	12	12	12	12	10	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		63.0	12	12	12	12	12	12	11	12	9	9	12	7	10	7	7	12	12	12	12	12	12	12	12	12	12	12	9	12	10	10
		72.0	12	12	12	12	12	12	8	12	8	8	12	7	10	7	7	12	12	12	12	12	12	10	12	10	10	12	9	12	10	10
		98.0	12	12	12	9	9	12	7	10	7	7	12	7	10	7	7	12	12	12	12	12	12	9	12	10	10	12	9	12	10	10
		200.0	12	7	10	7	7	12	7	10	7	7	12	7	10	7	7	12	9	12	10	10	12	9	12	10	10	12	9	12	10	10
HOLLOW CONC. BLOCK	1/4"ø ITW TAPCON WITH 1-1/4" MIN. EMBEDMENT	48.0	12	12	12	8	8	9	9	9	5	5	7	5	7	4	4	12	12	12	10	10	11	11	11	6	6	9	6	9	5	5
		63.0	11	11	11	6	6	7	4	7	4	4	6		4	3	3	12	12	12	7	7	8	5	8	4	4	7	3	4	4	4
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		200.0	6		4	3	3	6		4	3	3	6		4	3	3	7	3	4	4	4	7	3	4	4	4	7	3	4	4	4
	* 1/4"ø ELCO MALE/ FEMALE "PANELMATE" W/ 1-1/4" MIN. EMBED. & 1/4-20 MACHINE SCREW WITH NUT	48.0																12	12	12	11	11	12	12	12	7	7	12	8	12	5	5
		63.0																12	12	12	8	8	11	7	11	5	5	9	4	6	4	4
		72.0																12	12	12	7	7	10	5	7	4	4	9	4	6	4	4
		98.0																11	7	11	5	5	9	4	6	4	4	9	4	6	4	4
		200.0																9	4	6	4	4	9	4	6	4	4	9	4	6	4	4
	* 1/4"ø ALL POINTS SOLID SET WITH 7/8" EMBED. & 1/4-20 STAINLESS STEEL MACHINE SCREW	48.0	12	12	12	12	12	12	12	12	8	8	12	12	12	6	6	12	12	12	12	12	12	12	12	11	11	12	12	12	9	9
		63.0	12	12	12	10	10	12	9	12	6	6	12	6	8	5	5	12	12	12	12	12	12	11	12	8	8	12	6	9	7	7
		72.0	12	12	12	8	8	12	7	10	5	5	12	6	8	5	5	12	12	12	11	11	12	7	11	7	7	12	6	9	7	7
		98.0	12	10	12	6	6	12	6	8	5	5	12	6	8	5	5	12	11	12	8	8	12	6	9	7	7	12	6	9	7	7
		200.0	12	6	8	5	5	12	6	8	5	5	12	6	8	5	5	12	6	9	7	7	12	6	9	7	7	12	6	9	7	7

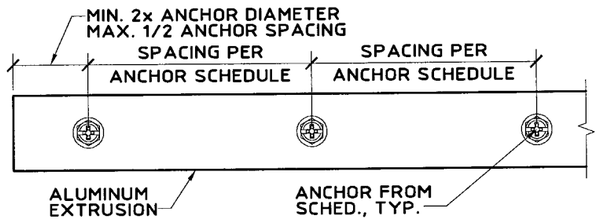
ANCHOR SCHEDULE

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. 3/4" EDGE DISTANCE														
			SPANS UP TO 5'-6" (SEE NOTE 1)					SPANS UP TO 8'-8" (SEE NOTE 1)					SPANS UP TO 10'-8" (SEE NOTE 1)				
			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
WOOD	2" MIN. 1/4"ø x MIN. 3" LONG LAG SCREW WITH MIN. 1-3/4" EMBED. SHEAR PARALLEL TO WOOD GRAIN	48.0	12	12	12	12	12	12	12	12	10	10	12	12	12	8	8
		63.0	12	12	12	12	12	12	12	12	7	7	12	12	12	6	6
		72.0	12	12	12	10	10	12	12	12	6	6	12	12	12	6	6
		98.0	12	12	12	7	7	12	12	12	6	6	12	12	12	6	6
		200.0	12	12	12	6	6	12	12	12	6	6	12	12	12	6	6
	2" MIN. 1/4"ø x MIN. 3" LONG LAG SCREW WITH MIN. 1-3/4" EMBED. SHEAR PERPENDICULAR TO WOOD GRAIN	48.0	12	12	12	12	12	12	12	12	7	7	12	12	12	6	6
		63.0	12	12	12	9	9	12	12	12	5	5	12	12	12	4	4
		72.0	12	12	12	8	8	12	12	12	5	5	12	12	12	4	4
		98.0	12	12	12	6	6	12	12	12	4	4	12	12	12	4	4
		200.0	12	12	12	4	4	12	12	12	4	4	12	12	12	4	4
	* 1/4"ø ELCO MALE/ FEMALE "PANELMATE" W/ 1-7/8" MIN. EMBED. & 1/4-20 MACHINE SCREW WITH NUT	48.0	12	12	12	12	12	12	12	12	8	8	12	11	12	7	7
		63.0	12	12	12	10	10	12	9	12	6	6	11	5	7	5	5
		72.0	12	12	12	9	9	12	6	9	5	5	11	5	7	5	5
		98.0	12	9	12	6	6	11	5	7	5	5	11	5	7	5	5
		200.0	11	5	7	5	5	11	5	7	5	5	11	5	7	5	5

ANCHOR NOTES:

1. **SPANS AND LOADS SHOWN HERE ARE FOR DETERMINING ANCHOR SPACING ONLY. ALLOWABLE STORM PANEL SPANS FOR SPECIFIC LOADS MUST BE LIMITED TO THOSE SHOWN IN TABLE 1.**
2. ENTER ANCHOR SCHEDULE BASED ON THE EXISTING STRUCTURE MATERIAL, ANCHOR TYPE AND EDGE DISTANCE. SELECT DESIGN LOAD GREATER THAN OR EQUAL TO NEGATIVE DESIGN LOAD ON SHUTTER AND SELECT SPAN GREATER THAN OR EQUAL TO SHUTTER SPAN.
3. SEE MOUNTING SECTION DETAILS FOR IDENTIFICATION OF CONNECTION TYPE.
4. EXISTING STRUCTURE MAY BE CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. REFERENCE ANCHOR SCHEDULE FOR PROPER ANCHOR TYPE BASED ON TYPE OF EXISTING STRUCTURE.
5. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH OR STUCCO.
7. WHERE EXISTING STRUCTURE IS POST-TENSIONED CONCRETE CONTRACTOR SHALL LOCATE CABLES PRIOR TO ANCHORING AND COORDINATE ANCHORAGE SUCH THAT CABLES ARE NOT DAMAGED.
8. WHERE EXISTING STRUCTURE IS WOOD FRAMING, WOOD FRAMING CONDITIONS VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD. FASTENING TO PLYWOOD IS ACCEPTABLE ONLY FOR SIDE CLOSURE PIECES.
9. WHERE LAG SCREWS FASTEN TO NARROW FACE OF STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF NOMINAL 2" x 4" (MIN.) WOOD STUD. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR WOOD FRAMING. WOOD STUD SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY. LAG SCREWS SHALL HAVE PHILLIPS PAN HEAD OR HEX HEAD.
10. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD (SIDEWALK BOLT), U.O.N.
11. ▨ DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE USES.
12. * DESIGNATES ANCHORS WHICH ARE REMOVABLE BY REMOVING MACHINE SCREW, NUT OR WASHERED WINGNUT.



PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 06-0823.06
Expiration Date 08/16/2011
By 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 # 7519
Website: www.ThorntonTomasetti.com

0.050" ALUMINUM STORM PANEL

Poma Corporation
9040 Belvedere Road
West Palm Beach, FL 33411
Tel: (561) 790-5799 • Fax (561) 792-9281

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

DEC 06 2006

revisions				
no	description	date	by	
0	PREVIOUSLY DRAWING NO. 00-402	12/06/2006	NW	

date 12/06/2006
scale AS NOTED | drawn by MCR
design by NW | checked by VJK
drawing no. 06-537
sheet 3 of 4

TABLE 2 — MINIMUM STORM PANEL SEPARATION FROM GLASS (IN)*

POSITIVE DESIGN LOAD (W) (PSF)	ACTUAL SPAN (L) (FT - IN)	MIN. SEPARATION FROM GLASS FOR INSTALLATIONS LESS THAN 30' ABOVE GRADE (INCHES)	MIN. SEPARATION FROM GLASS FOR INSTALLATIONS GREATER THAN 30' ABOVE GRADE (INCHES)
30.0	3 - 6	3-1/2	1-5/16
	8 - 8	3-1/2	1-7/8
	10 - 8	4-1/4	2-3/4
40.0	3 - 6	3-1/2	1-5/16
	8 - 8	3-1/2	2-1/8
	10 - 6	4-1/4	3-1/8
50.0	3 - 6	3-1/2	1-5/16
	8 - 8	3-1/2	2-3/8
	9 - 11	4-1/4	3-1/8
60.0	3 - 6	3-1/2	1-5/16
	8 - 8	3-1/2	2-9/16
	9 - 6	4-1/4	3-1/8
70.0	3 - 6	3-1/2	1-5/16
	8 - 8	3-1/2	2-3/4
	9 - 0	4-1/4	3
80.0	3 - 6	3-1/2	1-5/16
	6 - 6	3-1/2	1-13/16
	8 - 2	3-1/2	2-5/8
90.0	3 - 6	3-1/2	1-5/16
	5 - 6	3-1/2	1-9/16
	7 - 3	3-1/2	2-3/16
100.0	3 - 6	3-1/2	1-5/16
	6 - 7	3-1/2	2
110.0	3 - 6	3-1/2	1-5/16
	5 - 11	3-1/2	1-3/4

* SEE TABLES 1 & 2 NOTE NUMBER 3

TABLE 1 — MAXIMUM ALLOWABLE STORM PANEL SPAN SCHEDULE

NEG. DESIGN LOAD (PSF)	Lmax. (FT - IN)
30.0	10 - 8
35.0	10 - 8
40.0	10 - 4
45.0	10 - 0
48.0	9 - 10
50.0	9 - 9
55.0	9 - 6
60.0	9 - 4
62.0	9 - 3
65.0	9 - 1
67.0	9 - 1
70.0	8 - 11
72.0	8 - 10
75.0	8 - 8
80.0	8 - 2
90.0	7 - 3
100.0	6 - 7
110.0	5 - 11
115.0	5 - 8
120.0	5 - 5
130.0	5 - 0
140.0	4 - 8
150.0	4 - 4
160.0	4 - 1
170.0	3 - 10
180.0	3 - 7
190.0	3 - 5
200.0	3 - 3

TABLES 1 & 2 NOTES:

1. ENTER TABLE 1 WITH NEGATIVE DESIGN LOAD TO DETERMINE MAX. PANEL SPAN (Lmax). POSITIVE LOADS LESS THAN OR EQUAL TO THE NEGATIVE LOAD ARE ACCEPTABLE.
2. FOR DESIGN LOADS BETWEEN TABULATED VALUES, USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE SPANS.
3. ENTER TABLE 2 WITH POSITIVE DESIGN LOAD TO DETERMINE MIN. SEPARATION FROM GLASS.

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By Helena A. Martin
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