



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

NOTICE OF ACCEPTANCE (NOA)

Petroleum Equipment Manufacturing Company, Inc.
 2185 W. 76th Street
 Hialeah, Florida 33016

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: 0.037" (min.) Galvanized Steel Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 04-294, titled " 20 ga. Galvanized Steel Storm Panel ", sheets 1 through 4 of 4, prepared by Knezevich & Associates, Inc., dated March 26, 2004 last revision #0 dated March 26, 2004, 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 # 00-0823.02 and consists of this page 1, evidence submitted page(s) as well as approval document mentioned above.

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



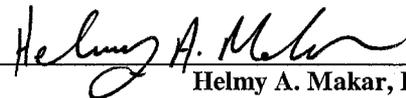
Helmy A. Makar
 05/06/2004

NOA No 03-1204.04
 Expiration Date: 02/22/2009
 Approval Date: 05/06/2004

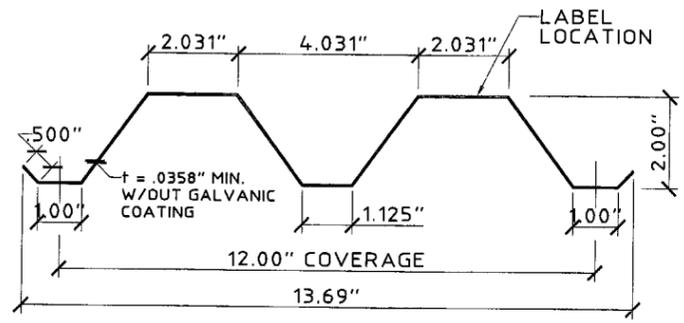
Petroleum Equipment Manufacturing Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

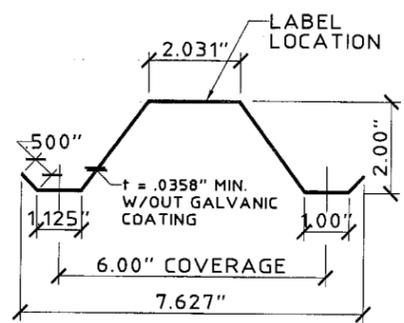
- 1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-0823.02**
 - A. DRAWINGS**
 1. *Drawing No. 01-216, titled " 20 ga. Galvanized Steel Storm Panel", sheets 1 through 4 of 4, prepared by Knezevich & Associates, Inc., dated January 31, 2001, last revision dated January 31, 2001, signed and sealed by V. J. Knezevich, P.E*
 - B. TESTS**
 1. *Test report on: Uniform Static Air Pressure Test, Large Missile Impact Test, and Cyclic Wind Pressure Test prepared by Construction Testing Corporation, Report No. CTC-00-018R, dated July 7, 2000, signed and sealed by Christopher G. Tyson, P.E.*
 - C. CALCULATIONS**
 1. *Comparative Analysis and Anchor Calculations, pages 1 through 32, dated August 17, 2000, prepared by Knezevich & Associates, Inc., signed and sealed by V.J. Knezevich, P.E.*
 - D. MATERIAL CERTIFICATIONS**
 1. *Mill Certified Inspection Report.*
 2. *Certified Tensile Test Report issued by Certified Testing Laboratories, Report Number CTL-294F, dated April 3, 2000, signed and sealed by Ramesh Patel, P.E.*
- 2. NEW EVIDENCE SUBMITTED**
 - A. DRAWINGS:**
 1. *Drawing No. 04-294, titled " 20 ga. Galvanized Steel Storm Panel ", sheets 1 through 4 of 4, prepared by Knezevich & Associates, Inc., dated March 26, 2004 last revision #0 dated March 26, 2004, signed and sealed by V. J. Knezevich, P.E.*
 - B. TESTS:**
 1. *None.*
 - C. CALCULATIONS:**
 1. *Anchor analysis, dated March 29, 2004, Pages 1 thru 20, prepared by Knezevich & Associates, Inc., 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.*



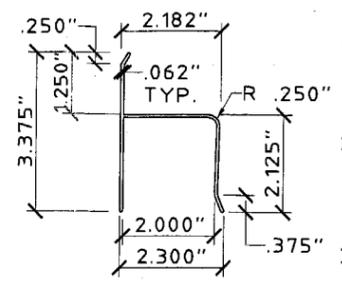
Helmy A. Makar, P. E.
Product Control Examiner
NOA No 03-1204.04
Expiration Date: 02/22/2009
Approval Date: 05/06/2004



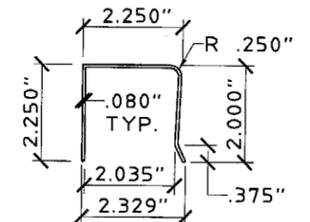
1 STORM PANEL
SCALE: 3" = 1' - 0"



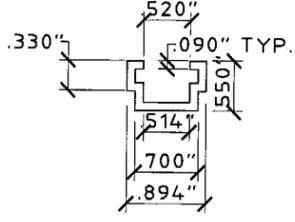
1a HALF STORM PANEL
SCALE: 3" = 1' - 0"



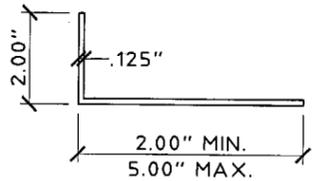
2 "h" HEADER
SCALE: 3" = 1' - 0"



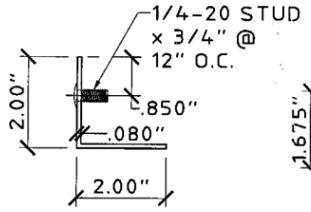
3 "U" HEADER
SCALE: 3" = 1' - 0"



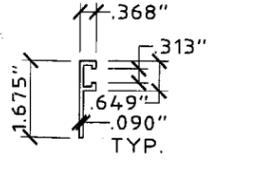
4 SLIDE TRACK
SCALE: HALF SIZE



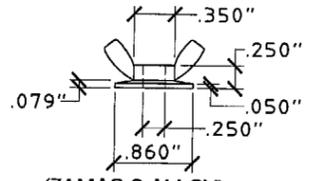
5 ANGLE
SCALE: 3" = 1' - 0"



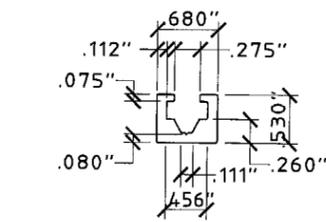
6 STUD ANGLE
SCALE: 3" = 1' - 0"



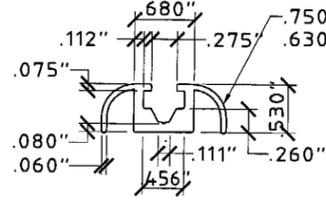
7 "F" TRACK
SCALE: 3" = 1' - 0"



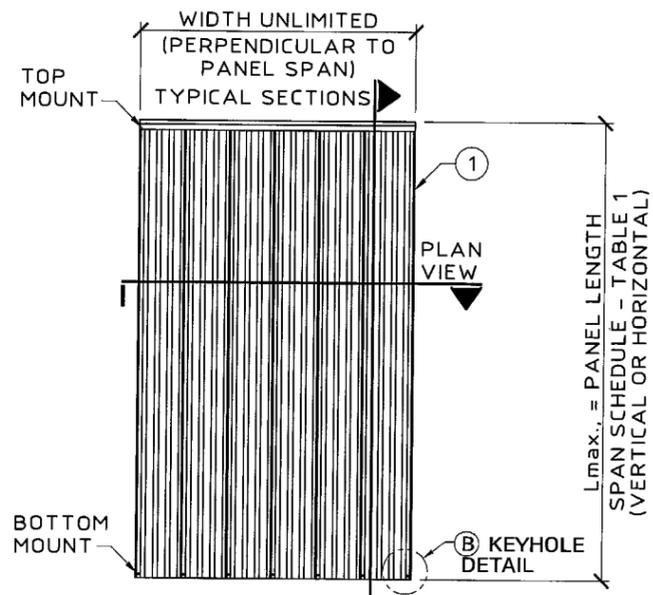
8 WASHERED WINGNUT
SCALE: HALF SIZE



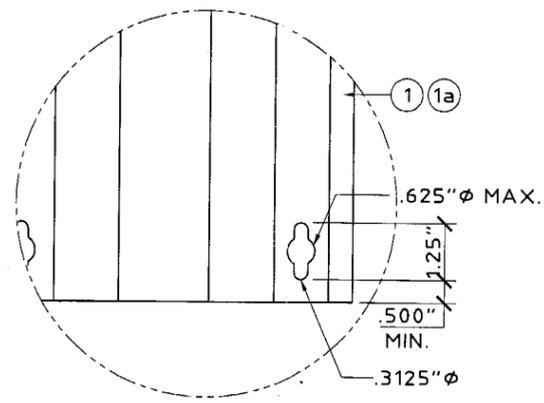
9 RECESS TRACK
SCALE: HALF SIZE



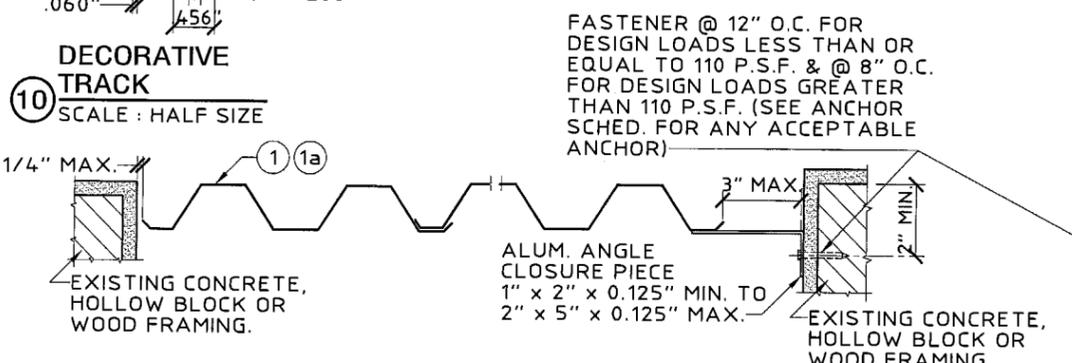
10 DECORATIVE TRACK
SCALE: HALF SIZE



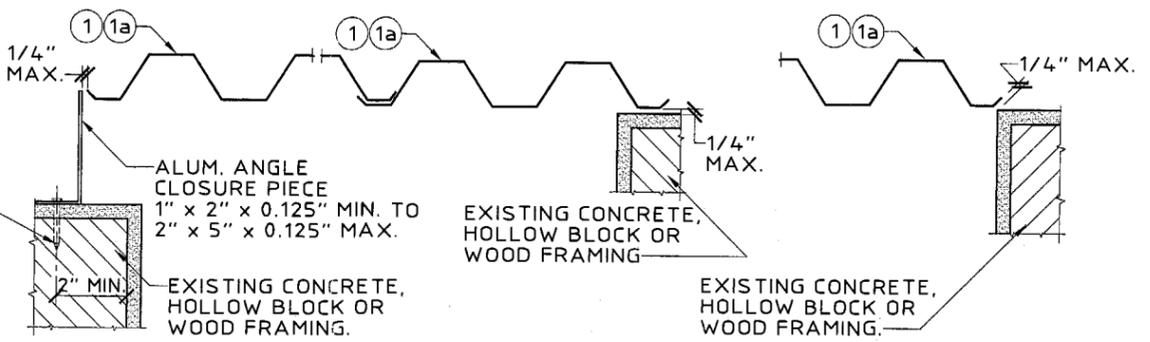
A TYP. PANEL ELEVATION
SCALE: 1/4" = 1' - 0"



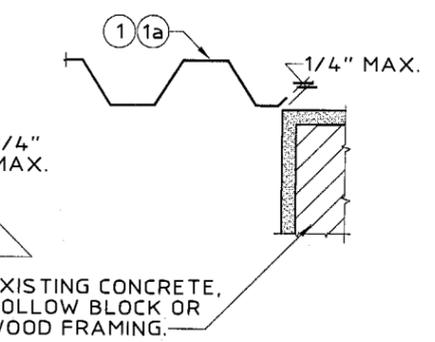
B KEYHOLE DETAIL
SCALE: 3" = 1' - 0"



C TRAP MOUNT (PLAN VIEW)
SCALE: 1-1/2" = 1' - 0"



D WALL MOUNT/BUILD-OUT MOUNT (PLAN VIEW)
SCALE: 1-1/2" = 1' - 0"



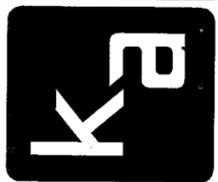
E DIRECT MOUNT (PLAN VIEW)
SCALE: 1-1/2" = 1' - 0"

- 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 FLORIDA BUILDING CODE (FBC), THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
 - AN ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT, EXCEPT FOR WOOD ANCHOR ANALYSIS WHEREIN A LOAD DURATION FACTOR (CD = 1.33) HAS BEEN USED PER THE PROVISIONS OF CHAPTER 16 OF THE FLORIDA BUILDING CODE (FBC) AND THE NATIONAL DESIGN STANDARD (NDS) FOR WIND LOADS AND LOAD COMBINATIONS WITH WIND.
 - DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY.
 - THESE APPROVAL DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THIS SHUTTER SYSTEM.
 - THESE APPROVAL DOCUMENTS COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
 - THESE APPROVAL DOCUMENTS, ARE SUITABLE TO BE APPLIED BY THE 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
 - WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY, OPTION "B" SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
 - 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:

PETROLEUM EQUIPMENT MANUFACTURING COMPANY, INC.
HIALEAH, FLORIDA

MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
 - ALL BOLTS, SCREWS AND WASHERS SHALL BE 2024-T4 ALUMINUM ALLOY OR GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
 - STORM PANELS SHALL BE 20 GAUGE STEEL WITH $t = .037$ " MINIMUM WITH GALVANIC COATING ($t = .0358$ " BARE MIN. THICKNESS) CONFORMING TO A.S.T.M. A653, STRUCTURAL QUALITY, GRADE 50 WITH $F_y = 50$ K.S.I. MINIMUM, G60 GALVANIZED COATING.
 - ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N
 - TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE, EXCEPT FOR "h" AND "U" HEADER MOUNTING CONDITIONS.
 - 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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **03-1204.04**
Expiration Date **02/22/2009**
By *Helmut A. Miller*
Miami Dade Product Control
Division



Knezevich & Associates, Inc.
Consulting Engineers • Product Testing
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301
Tel. (954) 522-3690 • Fax (954) 522-3691 • COA # 3205
Website: www.knezevich.com • E-mail: KA@knezevich.com
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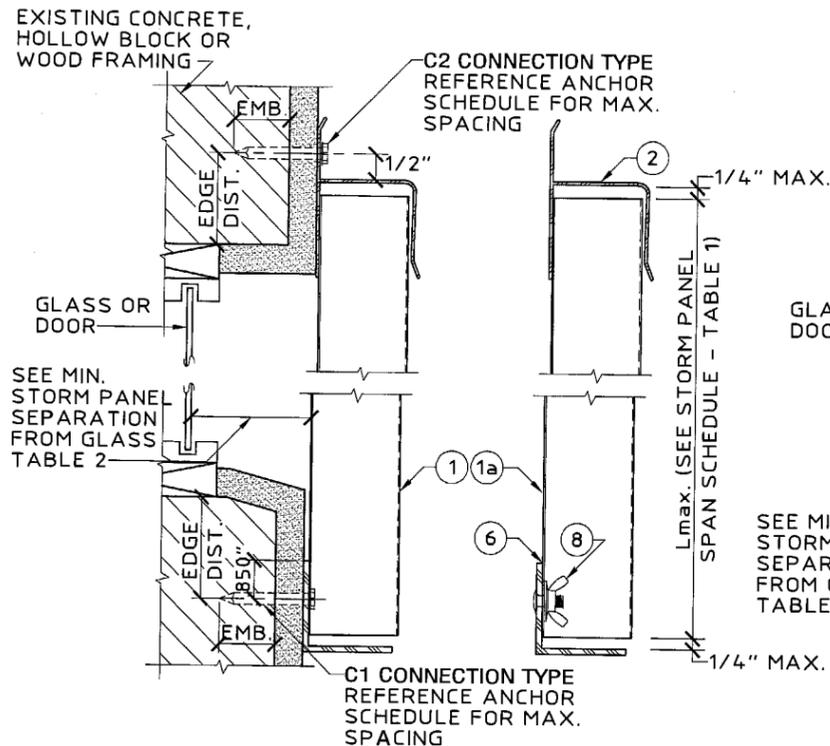
20 GA. GALVANIZED STEEL STORM PANEL
PEMCO
PETROLEUM EQUIPMENT MANUFACTURING COMPANY, INC.
2165 W. 78th STREET • HIALEAH, FL 33016
PHONE: (305) 558-9911 • FAX: (305) 558-9928

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

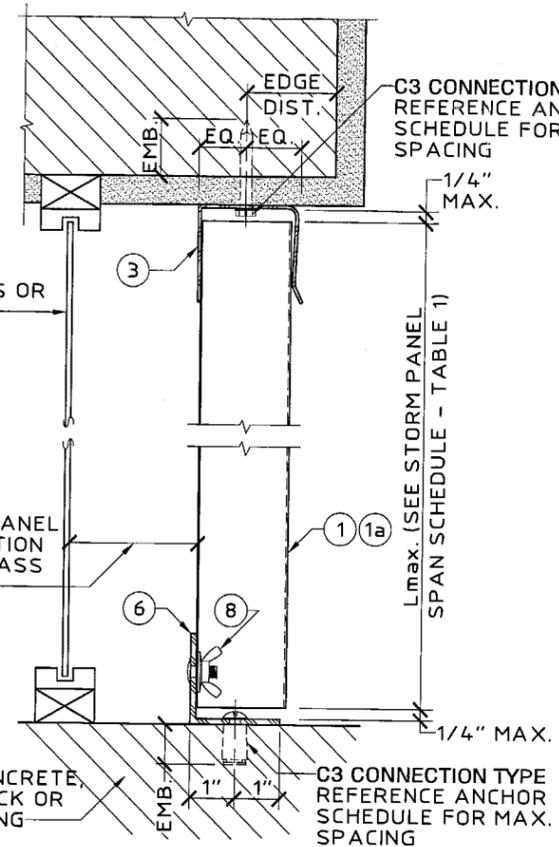
MAR 26 2004

no.	date	by	description
0	03/26/2004	AMoran	PREV. DRAWING NO. 01-216

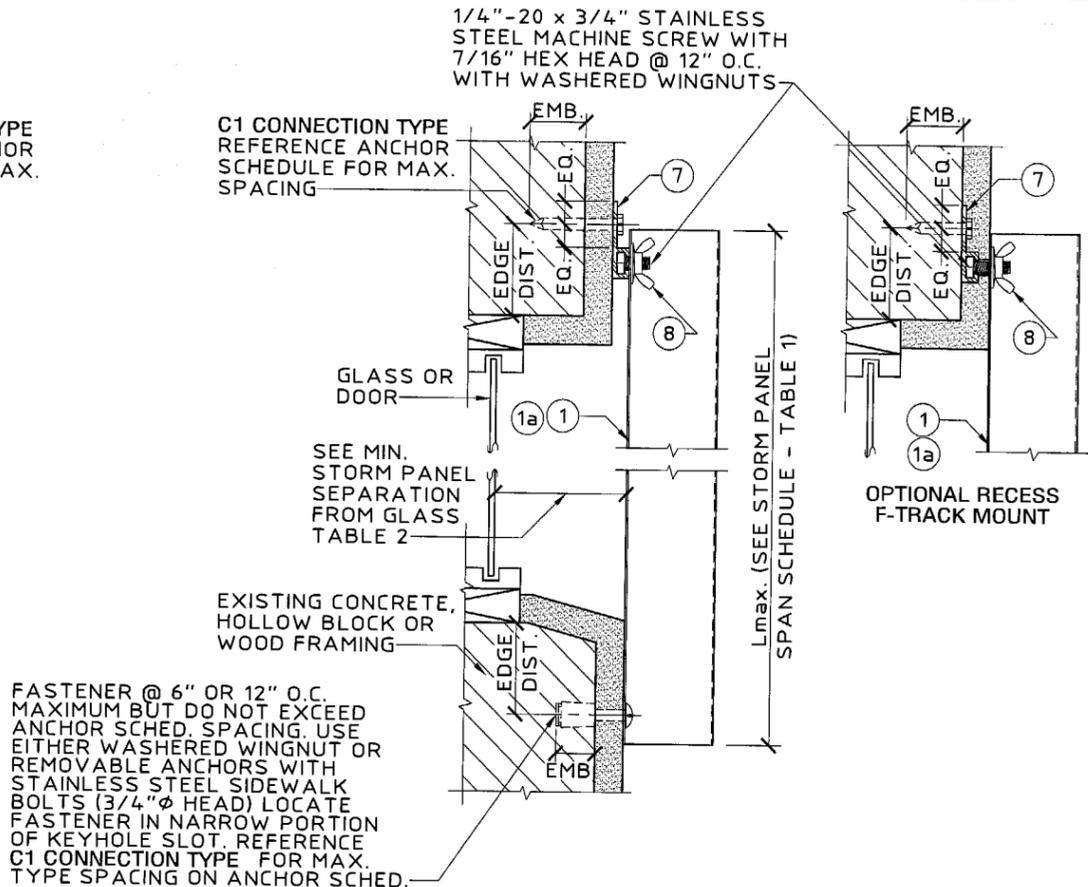
date 03/26/2004
scale AS NOTED drawn by MER
design by VJK checked by VJK
drawing no. **04-294**
sheet 1 of 4



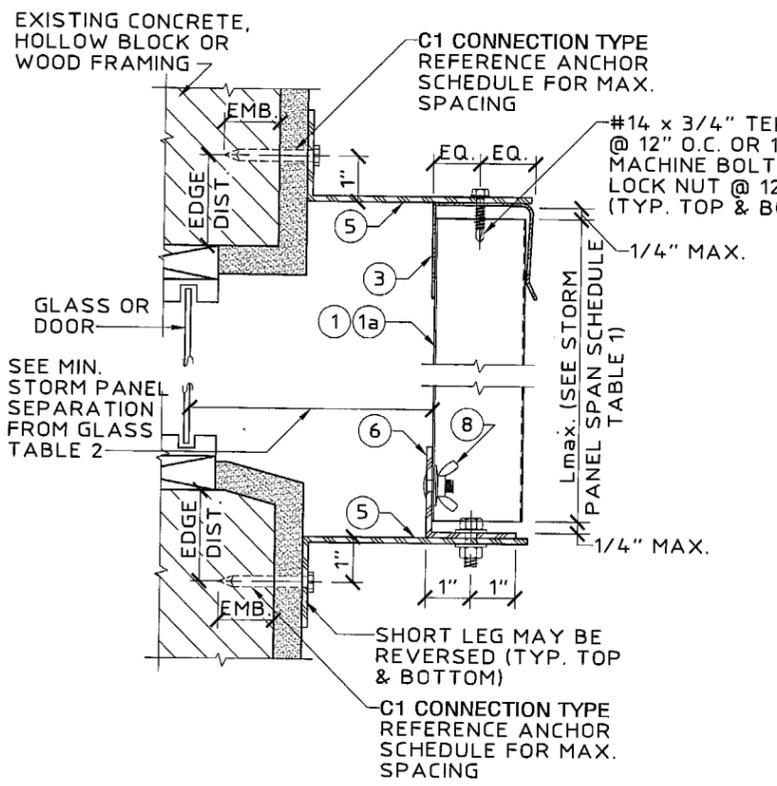
F WALL MOUNT SECTION
SCALE: 3" = 1' - 0"



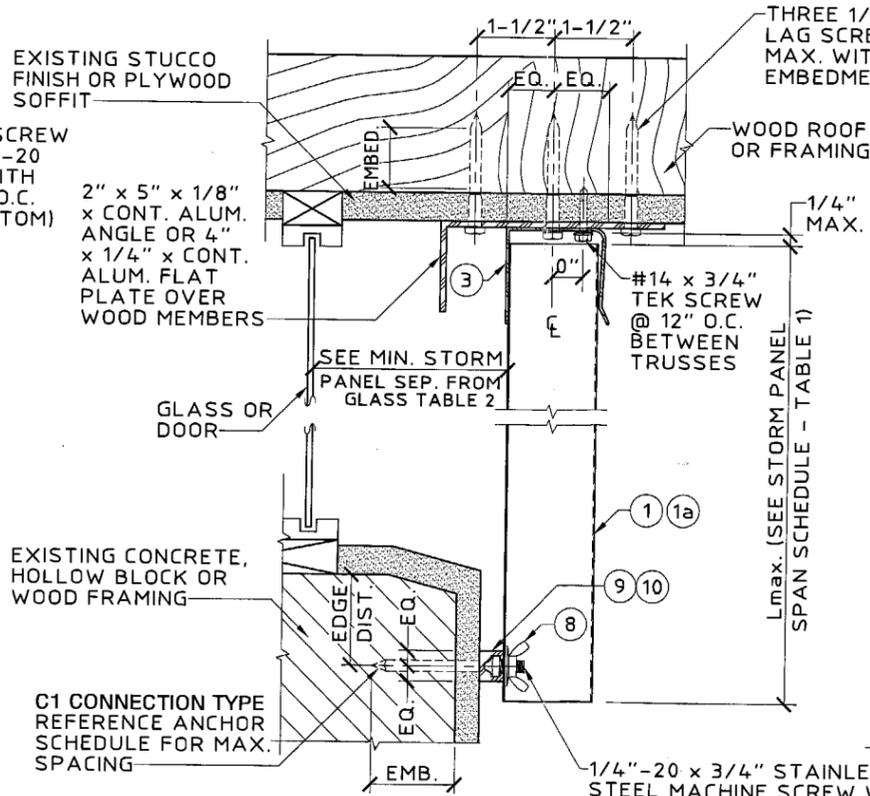
G CEILING/FLOOR MOUNT SECTION
SCALE: 3" = 1' - 0"



H "F" TRACK/DIRECT MOUNT SECTION
SCALE: 3" = 1' - 0"



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



K CEILING / RECESS TRACK/DECORATIVE TRACK MOUNT SECTION
SCALE: 3" = 1' - 0"

NOTE: SIDE CLOSURES REQUIRED (SEE DETAILS C OR D ON SHEET 1)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-1204.04
Expiration Date 02/22/2009
By *Helmut A. Mader*
Miami Data Product Control
Division



Knezevich & Associates, Inc.
Consulting Engineers • Product Testing
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301
Tel. (954) 522-3690 • Fax (954) 522-3691 • COA # 3205
Website: www.knezevich.com • E-mail: KA@knezevich.com
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20 GA. GALVANIZED STEEL STORM PANEL
PEMCO
PETROLEUM EQUIPMENT MANUFACTURING COMPANY, INC.
2106 E. 70th STREET • HIALEAH, FL 33016
PHONE: (305) 850-5911 • FAX: (305) 598-8282

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

MAR 26 2004

no.	date	by	description
0	03/26/04	VJK	PREV. DRAWING NO. 01-215

date 03/26/2004
scale AS NOTED
design by VJK
checked by VJK
drawing no. 04-294
sheet 2 of 4

MINIMUM STORM PANEL SEPARATION FROM GLASS			
POSITIVE DESIGN LOAD (W)	ACTUAL SPAN (L)	MINIMUM SEPARATION FOR ALL INSTALLATIONS LESS THAN 30' ABOVE GRADE	MINIMUM SEPARATION FOR ALL INSTALLATIONS GREATER THAN 30' ABOVE GRADE
(P.S.F.)	(FT - IN)	(INCHES)	(INCHES)
30.0	6 - 0	2-7/8	1-1/4
	8 - 8	2-7/8	1-5/8
	12 - 0	2-7/8	2-5/8
40.0	6 - 0	2-7/8	1-3/8
	8 - 8	2-7/8	1-3/4
	10 - 4	2-7/8	2-1/4
50.0	6 - 0	2-7/8	1-3/8
	8 - 8	2-7/8	1-7/8
60.0	6 - 0	2-7/8	1-3/8
	8 - 6	2-7/8	1-7/8
70.0	6 - 0	2-7/8	1-3/8
	7 - 8	2-7/8	1-3/4

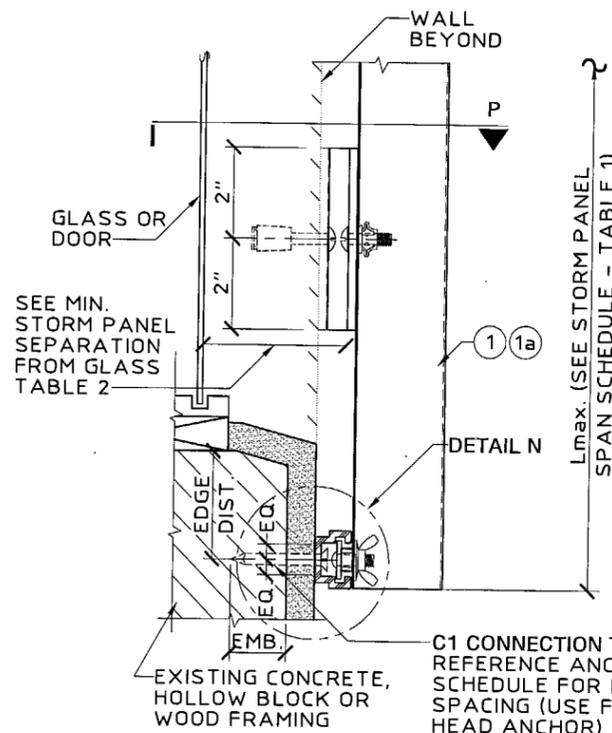
TABLE 1 NOTE:

1. ENTER TABLE 1 WITH NEGATIVE DESIGN LOAD TO DETERMINE MAX. PANEL LENGTH. POSITIVE LOADS LESS THAN OR EQUAL TO THE NEGATIVE LOAD ARE ACCEPTABLE. FOR DESIGN LOADS BETWEEN TABULATED VALUES, USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE SPANS.

TABLE 2 NOTE:

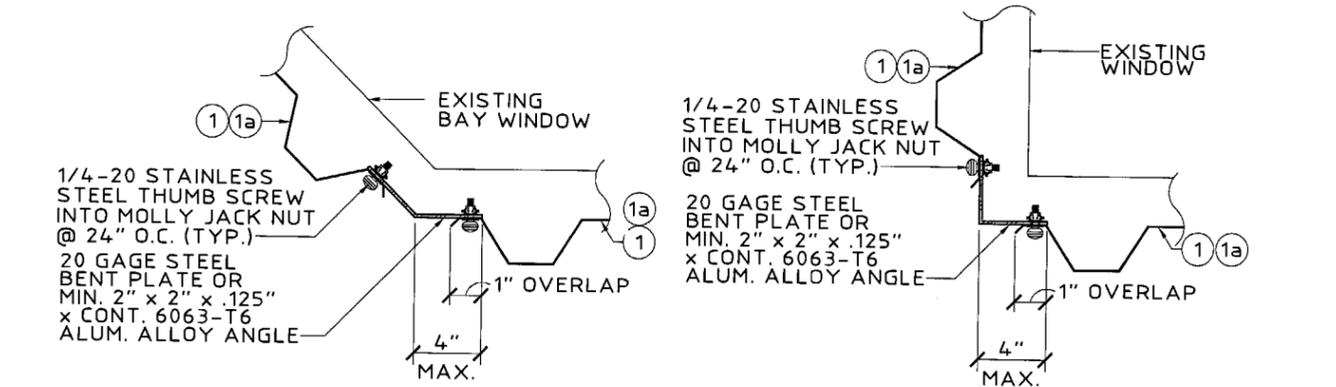
1. ENTER TABLE 2 WITH POSITIVE DESIGN LOAD TO DETERMINE MIN. STORM PANEL SEPARATION FROM GLASS.

MAX. ALLOWABLE STORM PANEL SPAN SCHEDULE	
DESIGN LOAD (P.S.F.)	SPAN (FT - IN)
30.0	12-0
33.0	11-5
36.0	10-11
39.0	10-6
41.0	10-1
43.0	9-8
45.0	9-2
46.0	9-0
47.0	8-10
48.0	8-8
50.0	8-8
55.0	8-8
57.0	8-8
60.0	8-6
62.0	8-4
65.0	8-2
70.0	7-8
72.0	7-6
75.0	7-2
80.0	6-9
90.0	6-0
100.0	5-4
110.0	4-10
120.0	4-6
130.0	4-1
140.0	3-10
150.0	3-7
160.0	3-4
170.0	3-2
180.0	3-0
190.0	2-10
200.0	2-8
210.0	2-6
220.0	2-5
230.0	2-4

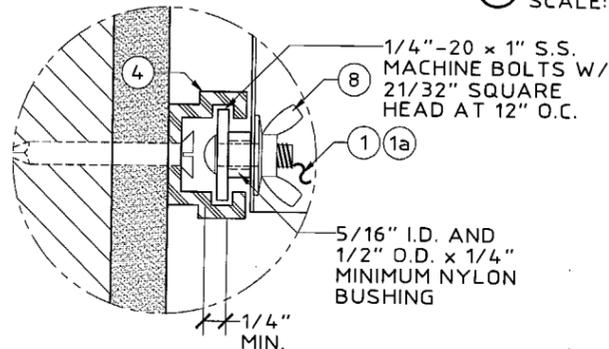


NOTE: USE OF DETAIL SHALL BE IN CONJUNCTION WITH AN "h" HEADER OR "U" HEADER TOP MOUNT

(M) SLIDE TRACK MOUNT
SCALE: 3" = 1' - 0"



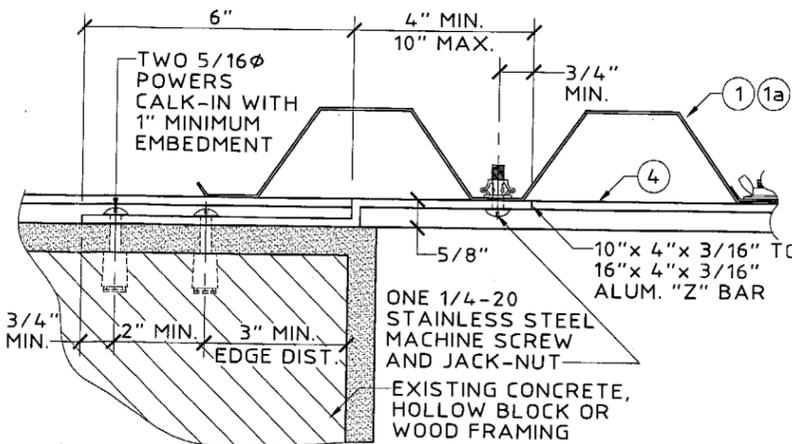
(L) TYPICAL CORNER DETAILS
SCALE: 3" = 1' - 0"



DETAIL N NOTE:

- MAXIMUM PANEL HEIGHT IS LIMITED TO 7'-6" AND MAX. DESIGN LOAD IS LIMITED TO ± 72 P.S.F. THESE LIMITATIONS ARE APPLICABLE WHEN: A) THE NYLON BUSHING IS USED, AS SHOWN ON DETAIL N, AND B) THE "Z" BAR IS USED TO PREVENT THE PANELS FROM SLIDING SIDEWAYS.
- IF THE BUSHING AND THE "Z" BAR ARE NOT USED, THEN THE ABOVE LIMITATIONS FOR PANEL HEIGHT & FOR DESIGN LOAD ARE NOT APPLICABLE, AND THE PANEL HEIGHT AND THE DESIGN LOAD SHALL BE LIMITED TO THOSE SHOWN IN TABLE 1.

(N) SLIDE TRACK - (BLOW UP)
SCALE: HALF SIZE



(P) PLAN VIEW SLIDE TRACK - (USING LOCKING "Z" BAR)
SCALE: 3" = 1' - 0"

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 03-1204-04
 Expiration Date 02/22/2009
 By *Helmut A. Mader*
 Miami Dade Product Control Division

Knezevich & Associates, Inc.
 Consulting Engineers • Product Testing
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20 GA. GALVANIZED STEEL STORM PANEL
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 2185 W. 78th STREET • HIALEAH, FL 33016
 PHONE: (954) 558-9911 • FAX: (954) 558-8282

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

MAR 26 2004

no.	date	description
0	03/26/04	04-294-03.dwg

date 03/26/2004
 scale AS NOTED
 design by VJK

drawn by MCR
 checked by VJK

drawing no. 04-294

sheet 3 of 4

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						SPANS UP TO											
			6'-0" 8'-8" 12'-0" (SEE NOTE 1)						6'-0" 8'-8" 12'-0" (SEE NOTE 1)											
			CONNECTION TYPE (SEE NOTE 3)						CONNECTION TYPE (SEE NOTE 3)											
			C1	C2	C3	C1	C2	C3	C1	C2	C3	C1	C2	C3	C1	C2	C3			
CONCRETE		48.0	12	12	8	12	8	5	12	5	4	12	12	12	12	9	12	12	6	10
		62.0	12	10	6	12	5	4	12	5	4	12	11	12	12	6	10	12	6	10
		72.0	12	8	5	12	5	4	12	5	4	12	9	12	12	6	10	12	6	10
		92.0	12	5	4	12	5	4	12	5	4	12	6	10	12	6	10	12	6	10
	230.0	12	5	4	12	5	4	12	5	4	12	6	10	12	6	10	12	6	10	
		48.0	12	12	12	12	7	12	12	4	10	12	12	12	12	9	12	12	6	12
		62.0	12	8	12	12	4	10	12	4	10	12	11	12	12	6	12	12	6	12
		72.0	12	6	12	12	4	10	12	4	10	12	8	12	12	6	12	12	6	12
		92.0	12	4	10	12	4	10	12	4	10	12	6	12	12	6	12	12	6	12
	230.0	12	4	10	12	4	10	12	4	10	12	6	12	12	6	12	12	6	12	
		48.0	12	12	12	12	7	10	12	5	8	12	12	12	12	10	12	12	6	11
		62.0	12	9	12	12	5	8	12	5	8	12	12	12	12	6	11	12	6	11
72.0		12	7	10	12	5	8	12	5	8	12	9	12	12	6	11	12	6	11	
92.0		12	5	8	12	5	8	12	5	8	12	6	11	12	6	11	12	6	11	
230.0	12	5	8	12	5	8	12	5	8	12	6	11	12	6	11	12	6	11		
HOLLOW CONCRETE BLOCK		48.0	9	4	4	6	3	5	12	6	10	11	3	6	8	5	12	6	10	
		62.0	7	3	5	5	5	12	4	7	8	5	8	5	8	5	12	6	10	
		72.0	6	3	5	5	5	10	3	6	8	5	8	5	8	5	12	6	10	
		92.0	5	3	5	5	5	8	3	6	8	5	8	5	8	5	12	6	10	
	230.0	5	3	5	5	5	8	3	6	8	5	8	5	8	5	12	6	10		
		48.0	12	12	12	12	6	8	12	4	6	12	12	12	12	6	12	12	4	9
		62.0	12	7	10	12	4	6	12	4	6	12	8	12	12	4	9	12	4	9
		72.0	12	5	8	12	4	6	12	4	6	12	6	11	12	4	9	12	4	9
		92.0	12	4	6	12	4	6	12	4	6	12	4	9	12	4	9	12	4	9
	230.0	12	4	6	12	4	6	12	4	6	12	4	9	12	4	9	12	4	9	
		48.0	12	6	8	11	3	5	8	4	12	9	11	12	4	7	11	3	5	
		62.0	12	4	6	8	4	8	4	12	5	8	11	3	5	11	3	5		
72.0		11	3	5	8	4	8	4	12	4	7	11	3	5	11	3	5			
92.0		8	4	8	4	8	4	11	3	5	11	3	5	11	3	5				
230.0	8	4	8	4	8	4	11	3	5	11	3	5	11	3	5					

ANCHOR SCHEDULE											
FASTENER MAX. SPACING (IN.) REQ'D 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								
			6'-0" 8'-8" 12'-0" (SEE NOTE 1)								
			CONNECTION TYPE (SEE NOTE 3)								
			C1	C2	C3	C1	C2	C3	C1	C2	C3
WOOD		48.0	12	12	12	12	10	8	12	7	6
		62.0	12	12	9	12	7	6	12	7	6
		72.0	12	10	8	12	7	6	12	7	6
		92.0	12	7	6	12	7	6	12	7	6
		230.0	12	7	6	12	7	6	12	7	6

- ANCHOR NOTES:**
- 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.
 - 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.
 - SEE MOUNTING SECTION DETAILS FOR IDENTIFICATION OF CONNECTION TYPE.
 - EXISTING STRUCTURE MAY BE CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. REFERENCE ANCHOR SCHEDULE FOR PROPER ANCHOR TYPE BASED ON TYPE OF EXISTING STRUCTURE.
 - SEE THE APPROPRIATE SBCCI PST & EST OR NES EVALUATION REPORT ON THE SPECIFIC FASTENER FOR SPECIAL INSPECTION REQUIREMENTS WHEN REQUIRED AS WELL AS FOR INSTALLATION, LIMITATIONS & IDENTIFICATION PURPOSES.
 - MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH OR STUCCO. EMBEDMENT OF LAG SCREW SHALL ONLY INCLUDE THE THREADED PORTION AS DESIGNATED IN THE ANCHOR SCHEDULE.
 - WHERE EXISTING STRUCTURE IS WOOD FRAMING, WOOD FRAMING CONDITIONS VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD.
 - 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.
 - 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) AND WITH WASHER FOR DIRECT MOUNT CONDITIONS, U.O.N.
 - DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE USES.
 - * DESIGNATES ANCHORS WHICH ARE REMOVABLE BY REMOVING MACHINE SCREW, NUT OR WASHERED WINGNUT.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 03-1204-04
Expiration Date 02/22/2009
By *Helmut A. Mader*
Miami Data Product Control
Division



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20 GA. GALVANIZED STEEL STORM PANEL

PEMCO

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Professional Engineer
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[Signature]
MAR 26 2004

no	date	by	description
0	03/26/04	ALB	PREV. DRAWING No. 01-21

date 03/26/2004

scale AS NOTED drawn by MCR

design by VJK checked by VJK

drawing no. 04-294

sheet 4 of 4