



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Petroleum Equipment & Manufacturing Co.**  
**2185 W. 76 St.**  
**Hialeah ,FL 33016**

Your application for Notice of Acceptance (NOA) of:

**0.0358" (min. w/o Galvanic Coating) Galvanized Steel Storm Panel Shutter**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 00-0823.02**  
**EXPIRES: 02/22/2004**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 02/22/2001**

**Petroleum Equipment Manufacturing Co., Inc.**

**ACCEPTANCE No. : 00-0823.02**

**APPROVED : 02/22/2001**

**EXPIRES : 02/22/2004**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

This approves 0.0358" (min. w/o Galvanic Coating) Galvanized Steel Storm Panels Shutter, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

This 0.0358" (min. w/o Galvanic Coating) Galvanized Steel Storm Panels Shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. 01-216, titled " 20 ga. Galvanized Steel Storm Panel", prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E., dated January 31, 2001, last revision dated January 31, 2001, sheets 1 through 4 of 4, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

All permanent set components, included but not limited to embedded anchor bolts, threaded cones, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all times.

**4. INSTALLATION**

This 0.0358" (min. w/o Galvanic Coating) Galvanized Steel Storm Panels Shutter and its components shall be installed in strict compliance with the approved drawings.

**5. 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".

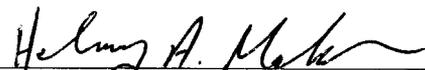
**6. BUILDING PERMIT REQUIREMENTS**

**6.1** Application for building permit shall be accompanied by copies of the following:

**6.1.1** This Notice of Acceptance.

**6.1.2** Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

**6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Helmy A. Makar, P.E. -Product Control Examiner  
Product Control Division

**Petroleum Equipment Manufacturing Co., Inc.**

**ACCEPTANCE No. : 00-0823.02**

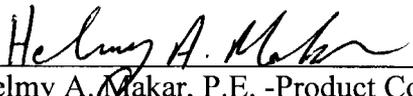
**APPROVED : 02/22/2001**

**EXPIRES : 02/22/2004**

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
  - b. The product is no longer the same product (identical) as the one originally approved.
  - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
  - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a. Unsatisfactory performance of this product or process.
  - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

  
\_\_\_\_\_  
Helmy A. Makar, P.E. -Product Control Examiner  
Product Control Division

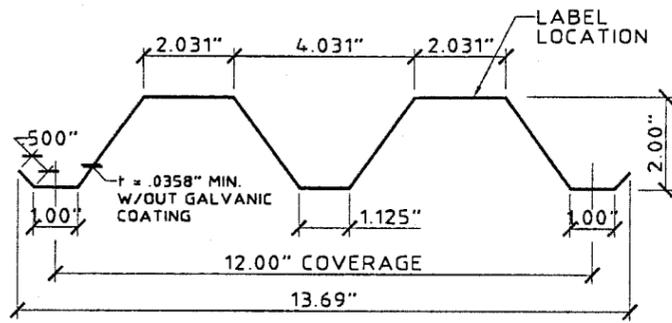


**KNEZEVICH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS • PRODUCT TESTING  
 1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322  
 TEL: (954) 382-2800 • FAX: (954) 382-2899 • FLORIDA COA #9205  
 WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM  
 COPYRIGHT © 2001 KNEZEVICH & ASSOCIATES, INC.

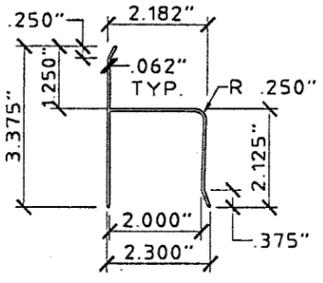
**20 GA. GALVANIZED STEEL STORM PANEL**  
**REMCO**  
 PETROLEUM EQUIPMENT MANUFACTURING COMPANY, INC.  
 2185 W. 76th STREET • HIALEAH, FL 33018  
 PHONE: (305) 558-8611 • FAX: (305) 558-8282

NO.	DATE	BY	DESCRIPTION
0	01/31/01	DLB/JPV	PREV. DRAWING NO. 99-276

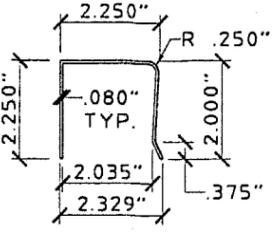
V.J. KNEZEVICH  
 PROFESSIONAL ENGINEER  
 FL License No: PE 0010983  
 DATE: 02/22/2001  
 BY: *Heather A. Mader*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0823.02  
 drawing no. 01-216  
 sheet 1 of 4



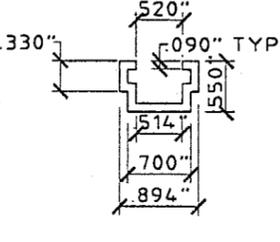
1 **STORM PANEL**  
 SCALE: 3" = 1' - 0"



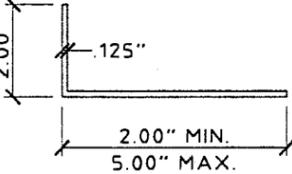
2 **"h" HEADER**  
 SCALE: 3" = 1' - 0"



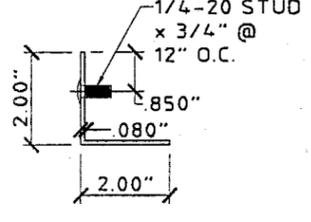
3 **"U" HEADER**  
 SCALE: 3" = 1' - 0"



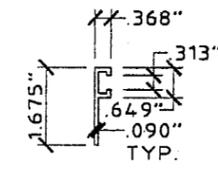
4 **SLIDE TRACK**  
 SCALE: HALF SIZE



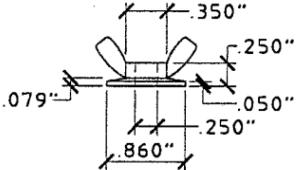
5 **ANGLE**  
 SCALE: 3" = 1' - 0"



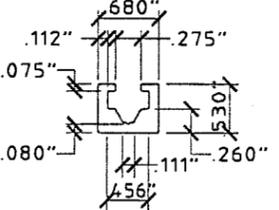
6 **STUD ANGLE**  
 SCALE: 3" = 1' - 0"



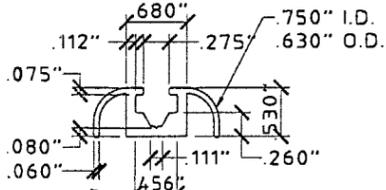
7 **"F" TRACK**  
 SCALE: 3" = 1' - 0"



8 **WASHERED WINGNUT**  
 SCALE: HALF SIZE  
 (ZAMAC 3 ALLOY)



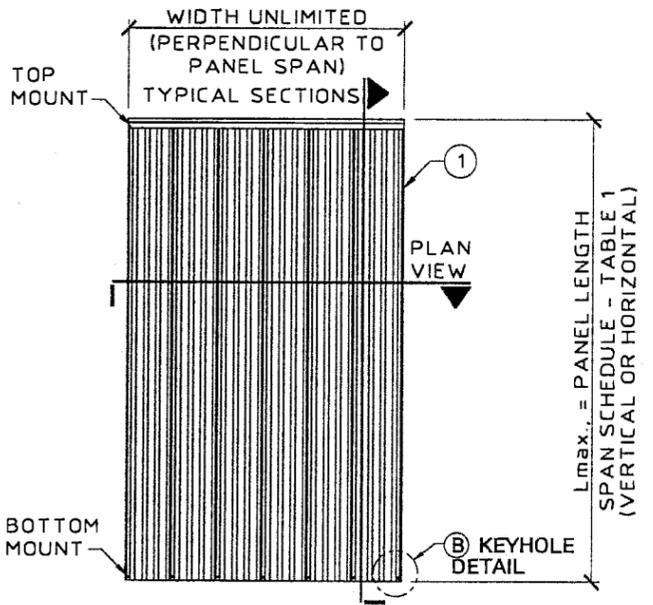
9 **RECESS TRACK**  
 SCALE: HALF SIZE



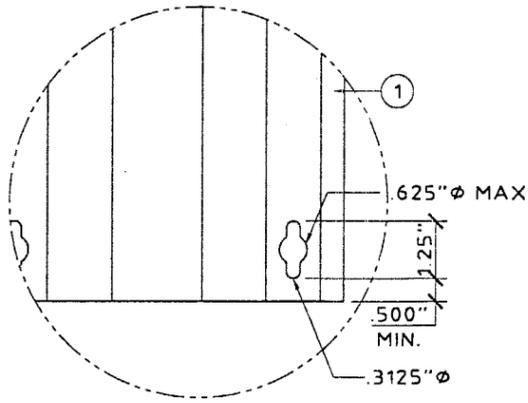
10 **DECORATIVE TRACK**  
 SCALE: HALF SIZE

**GENERAL NOTES:**

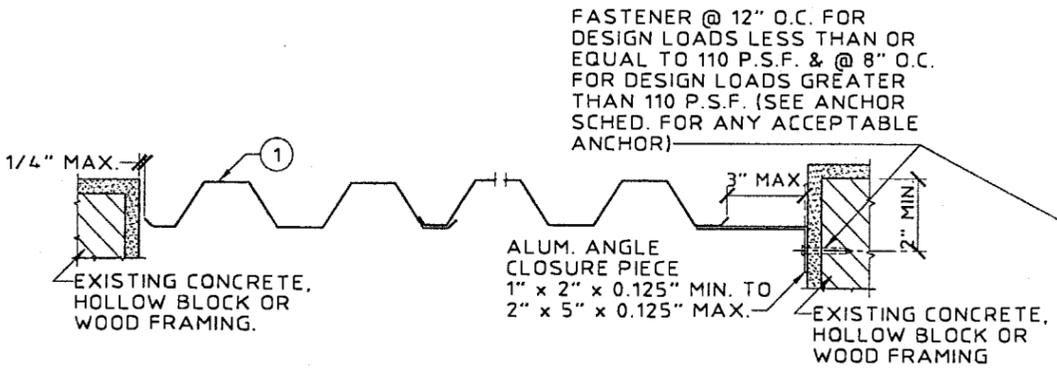
- THIS SHUTTER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY, FL.
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH A.S.C.E. 7-88 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", 110 M.P.H. WIND VELOCITY. TABLES SHALL BE REFERENCED AT THE APPROPRIATE DESIGN LOADS.
- STORM PANELS SHALL BE 20 GAUGE STEEL WITH  $t = .0358$ " MINIMUM WITHOUT GALVANIC COATING 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, U.O.N.
- PRODUCT MARKINGS SHALL BE WITHIN 12" OF ONE END OF THE PANEL WITH A MIN. OF ONE MARKING PER PANEL, AND SHALL BE 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, GALVANIZED STEEL OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 K.S.I., U.O.N.
- MATERIAL SPECIFICATIONS NOTED HEREIN ARE THE MATERIALS USED IN PRODUCT TESTING.
- THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR IMPACT, CYCLIC AND UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH MIAMI-DADE COUNTY PROTOCOLS PA 201, 203, AND 202.
- DESIGN IS BASED ON CONSTRUCTION TESTING CORP. (C.T.C.) TEST REPORT No. 00-018R.
- TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. EMBEDMENT LENGTHS SHALL BE AS NOTED AND DO NOT INCLUDE STUCCO OR OTHER FINISHES.
- 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.



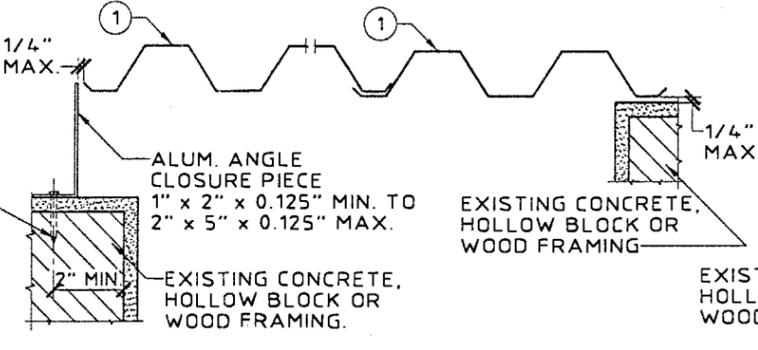
A **TYP. PANEL ELEVATION**  
 SCALE: 1/4" = 1' - 0"



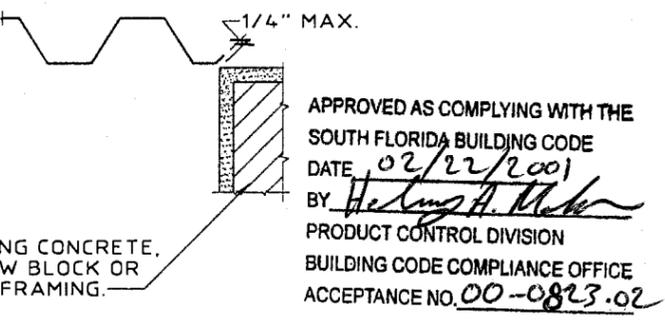
B **KEYHOLE DETAIL**  
 SCALE: 3" = 1' - 0"



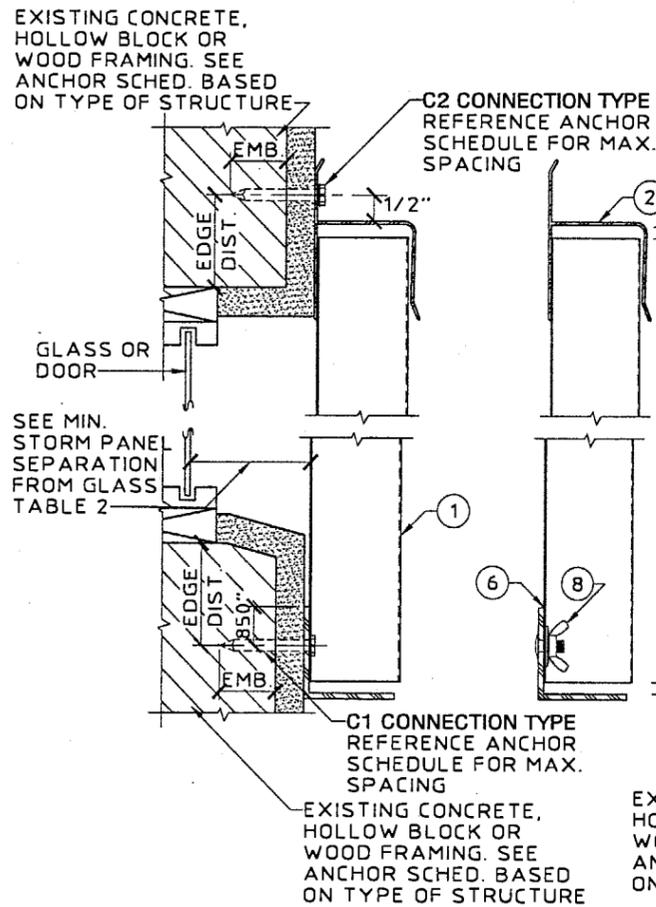
C **TRAP MOUNT (PLAN VIEW)**  
 SCALE: 1-1/2" = 1' - 0"



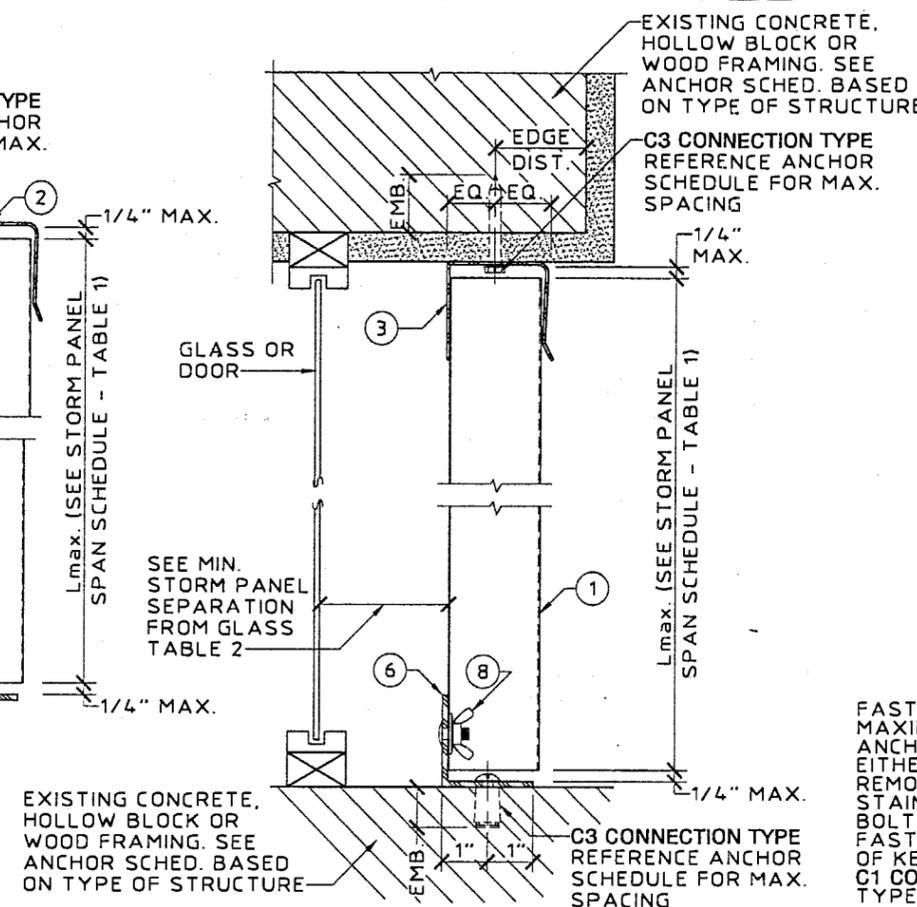
D **WALL MOUNT/BUILD-OUT MOUNT (PLAN VIEW)**  
 SCALE: 1-1/2" = 1' - 0"



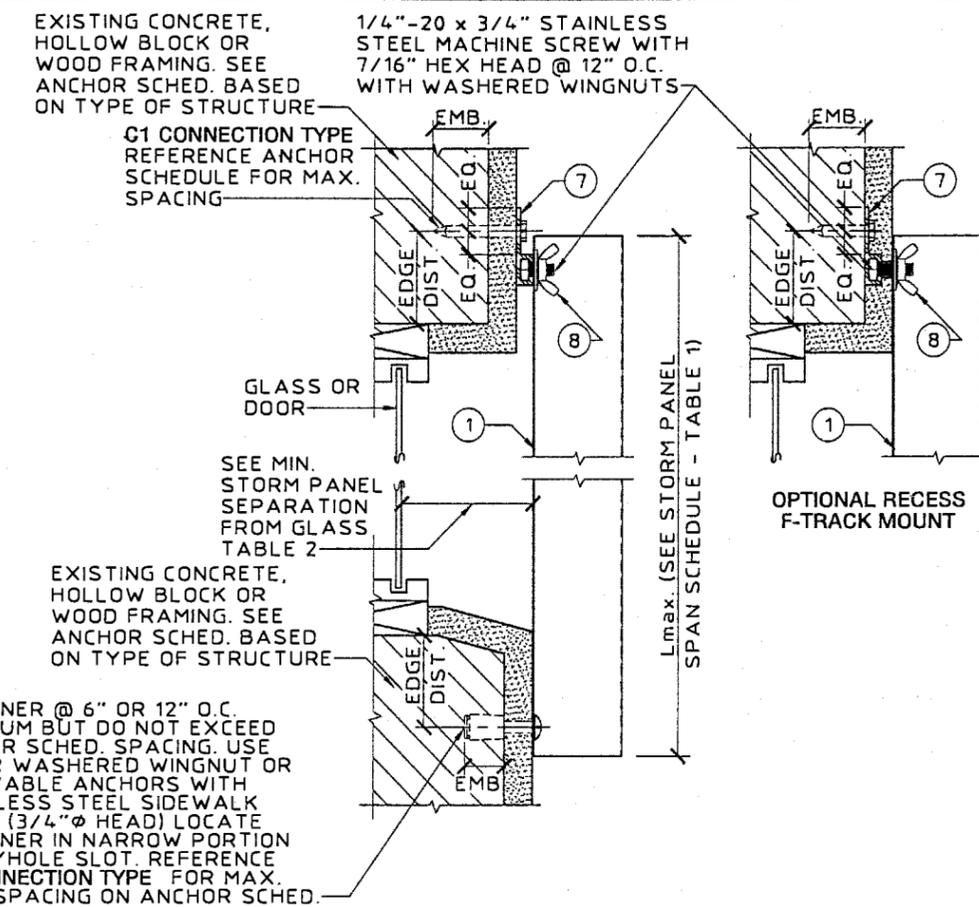
E **DIRECT MOUNT (PLAN VIEW)**  
 SCALE: 1-1/2" = 1' - 0"



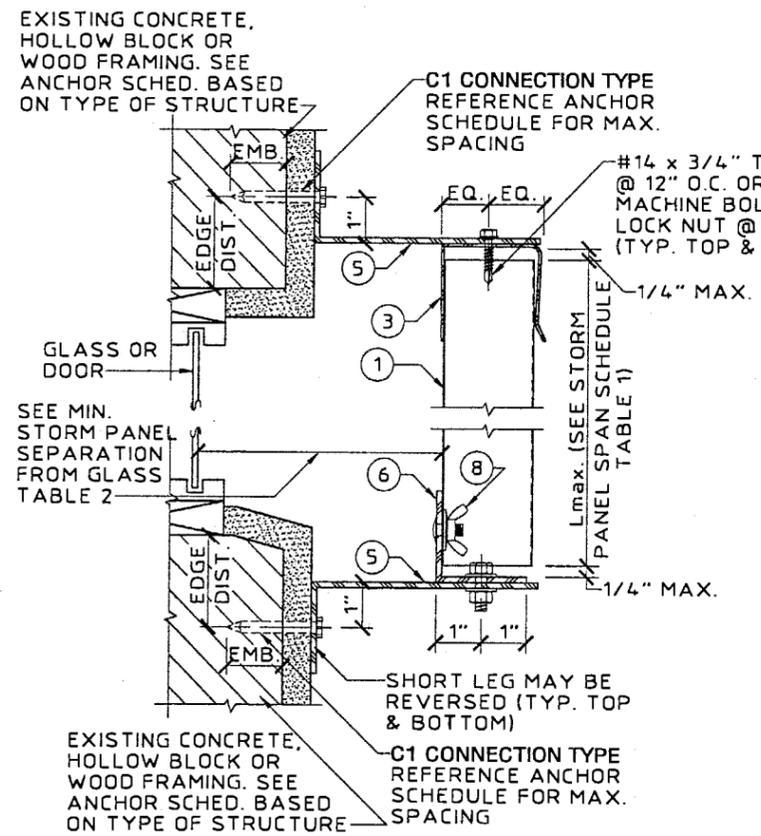
**F WALL MOUNT SECTION**  
SCALE: 3" = 1' - 0"



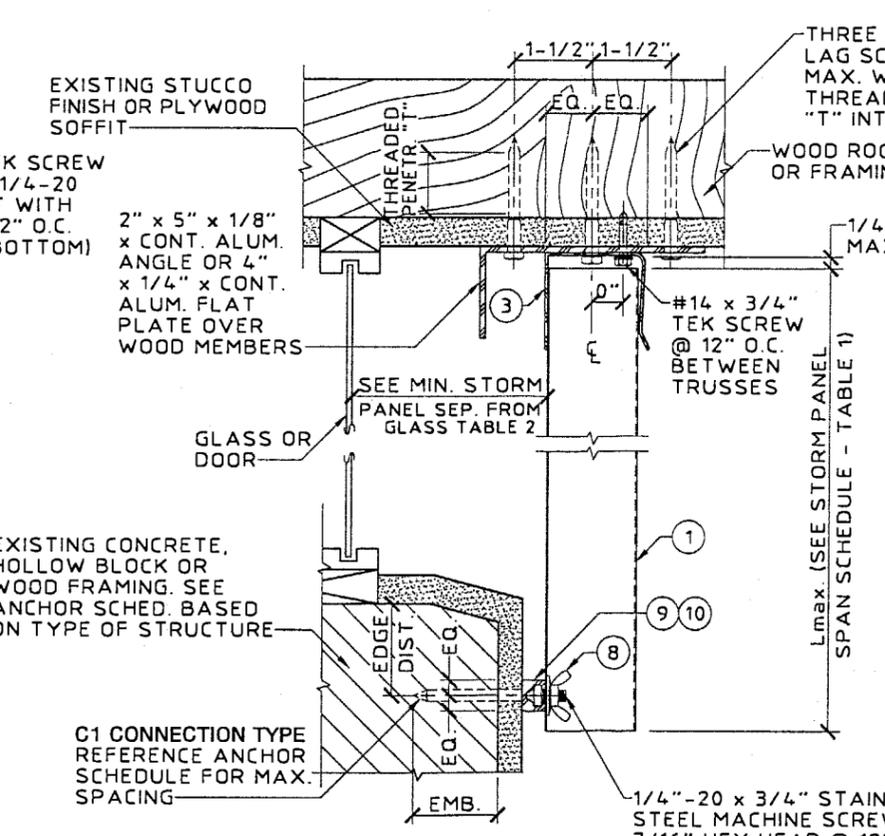
**G CEILING/FLOOR MOUNT SECTION**  
SCALE: 3" = 1' - 0"



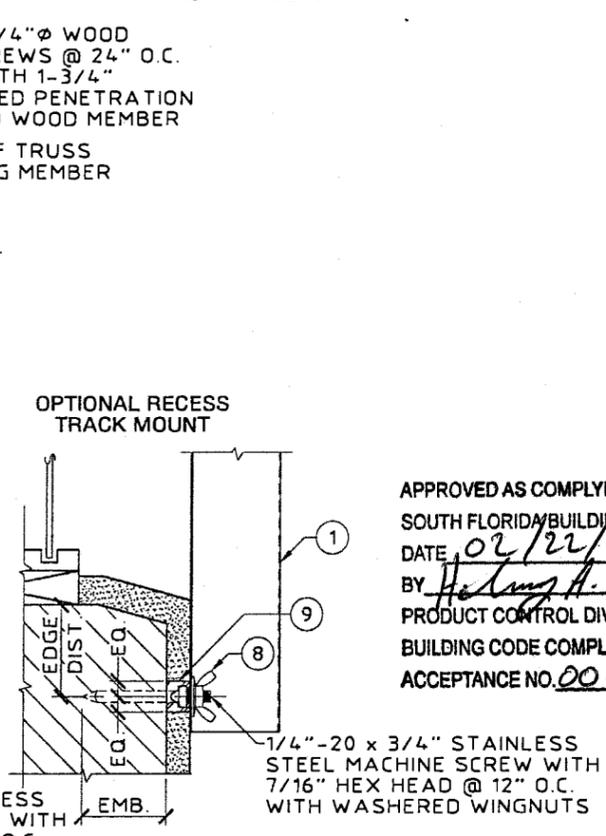
**H 'F' TRACK/DIRECT MOUNT SECTION**  
SCALE: 3" = 1' - 0"



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



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



APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 02/22/2001  
BY H. J. Knezevich  
PROFESSIONAL ENGINEER  
FL License No: PE 0010983  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0823.02



**KNEZEVICH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS • PRODUCT TESTING  
1280 N. UNIVERSITY DRIVE, SUITE 100 • FORT LAUDERDALE, FL 33322  
TEL: (954) 382-2800 • FAX: (954) 382-2888 • FLORIDA COA #3205  
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM  
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**20 GA. GALVANIZED STEEL STORM PANEL**  
**PRIMO**  
PETROLEUM EQUIPMENT MANUFACTURING COMPANY, INC.  
2165 W. 76th STREET • HIALEAH, FL 33016  
PHONE: (954) 568-9911 • FAX: (954) 568-9282

NO.	DATE	DESCRIPTION
1	01/31/01	DESCRIPTION
2	01/31/01	DESCRIPTION
3	01/31/01	DESCRIPTION
4	01/31/01	DESCRIPTION
5	01/31/01	DESCRIPTION
6	01/31/01	DESCRIPTION
7	01/31/01	DESCRIPTION
8	01/31/01	DESCRIPTION
9	01/31/01	DESCRIPTION
10	01/31/01	DESCRIPTION

**FEB 02 2001**

date	01/31/01
scale	AS NOTED
design by	MD
checked by	VJK
drawing no.	01-216
sheet	2 of 4



**KNEZEVICH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS • PRODUCT TESTING  
 1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322  
 TEL: (954) 382-2800 • FAX: (954) 382-2888 • FLORIDA 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.  
 2185 W. 76th STREET • HIALEAH, FL 33018  
 PHONE: (305) 558-8911 • FAX: (305) 558-8982

no.	date	description
0	01/31/01	DLB PREV. DRAWING NO. 99-278

V.J. KNEZEVICH  
 PROFESSIONAL ENGINEER  
 FL License No: PE 0010983

FEB 08 2001

date	01/31/01
scale	AS NOTED
drawn by	MC
design by	MD
checked by	VJK
drawing no.	01-216
sheet	3 of 4

TABLE 1	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

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE 02/22/2001  
 BY *Helmut A. [Signature]*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0823.02

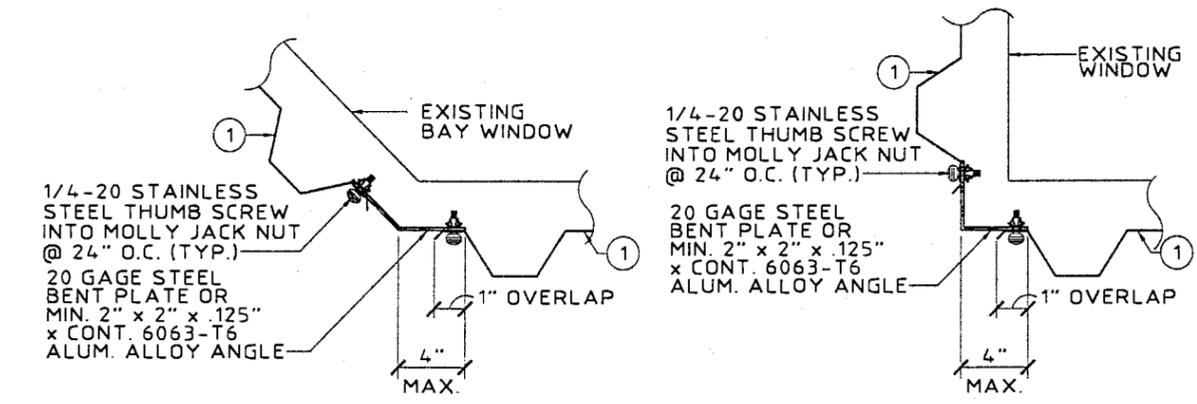
TABLE 2	MINIMUM STORM PANEL SEPARATION FROM GLASS		
	POSITIVE DESIGN LOAD (W) (P.S.F.)	ACTUAL SPAN (L) (FT - IN)	MINIMUM SEPARATION FOR ALL INSTALLATIONS LESS THAN 30' ABOVE GRADE (INCHES)
30.0	6 - 0	2-7/8	1-1/4
	8 - 8	2-7/8	1-5/8
	12 - 0	2-7/8	2-5/8
40.0	6 - 0	2-7/8	1-3/8
	8 - 8	2-7/8	1-3/4
	10 - 4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

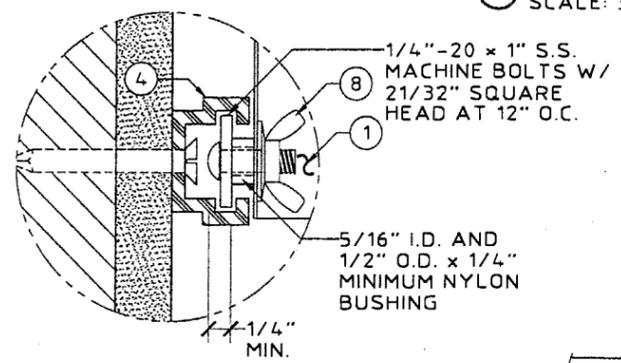
1. ENTER TABLE 1 WITH NEGATIVE DESIGN LOAD TO DETERMINE MAX. PANEL LENGTH. POSITIVE LOADS LESS THAN OR EQUAL TO THE NEGATIVE LOAD ARE ACCEPTABLE. FOR DESIGN LOADS BETWEEN TABULATED VALUES. USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE SPANS.

**TABLE 2 NOTE:**

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



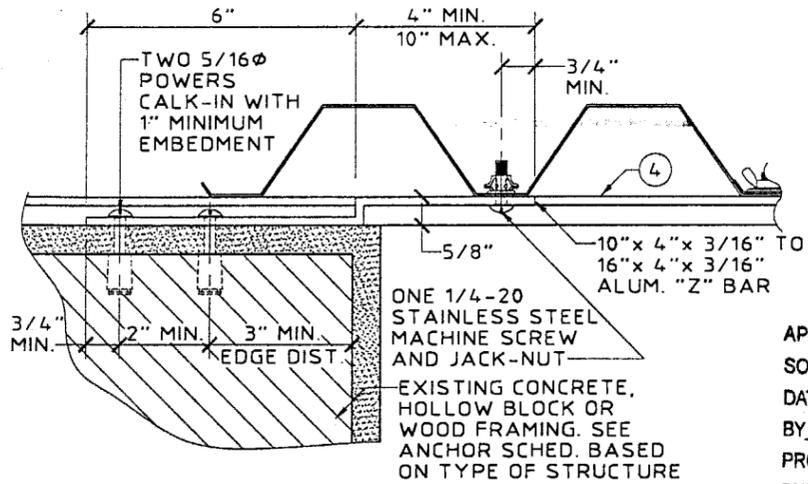
**(L) TYPICAL CORNER DETAILS**  
 SCALE: 3" = 1' - 0"



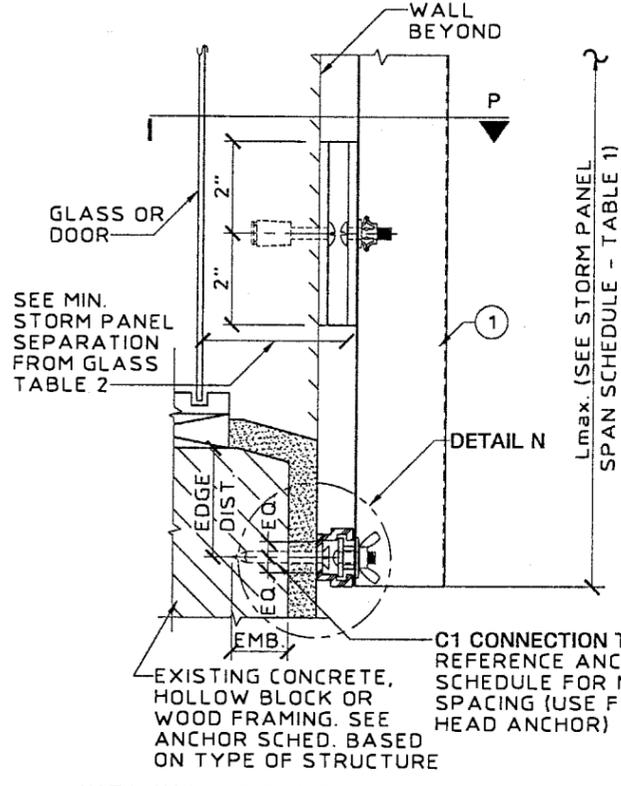
**DETAIL N NOTE:**

- 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"



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



		ANCHOR SCHEDULE																		
		FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS																		
EXISTING STRUCTURE	ANCHOR TYPE	LOAD (W) P.S.F. MAX. (SEE NOTE 1)	MIN. 2" EDGE DISTANCE									MIN. 3" EDGE DISTANCE								
			SPANS UP TO 6'-0"			SPANS UP TO 8'-8"			SPANS UP TO 12'-0"			SPANS UP TO 6'-0"		SPANS UP TO 8'-8"		SPANS UP TO 12'-0"				
			(SEE NOTE 1)			(SEE NOTE 1)			(SEE NOTE 1)			(SEE NOTE 1)		(SEE NOTE 1)		(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			C1   C2   C3			C1   C2   C3			C1   C2   C3		C1   C2   C3		C1   C2   C3					
CONCRETE	1/4" ITW OR ELCO TAPCON W/ 1-3/4" MIN. EMBEDMENT (MIN. 3,145 P.S.I. CONCRETE)	48.0	12	12	12	12	11	12	12	7	11	12	12	12	12	12	7	12		
		62.0	12	12	12	12	7	11	12	7	11	12	12	12	12	7	12	12	7	12
		72.0	12	10	12	12	7	11	12	7	11	12	11	12	12	7	12	12	7	12
		92.0	12	7	11	12	7	11	12	7	11	12	7	12	12	7	12	12	7	12
		230.0	12	7	11	12	7	11	12	7	11	12	7	12	12	7	12	12	7	12
	* 1/4" POWERS CALK-IN W/ 7/8" EMBEDMENT & 1/4-20 STAINLESS STEEL MACHINE SCREW (MIN. 3,000 P.S.I. CONCRETE)	48.0	12	12	12	12	12	11	12	7	9	12	12	12	12	12	9	12		
		62.0	12	12	12	12	7	9	12	7	9	12	12	12	12	9	12	12	9	12
		72.0	12	11	11	12	7	9	12	7	9	12	12	12	12	9	12	12	9	12
		92.0	12	7	9	12	7	9	12	7	9	12	9	12	12	9	12	12	9	12
		230.0	12	7	9	12	7	9	12	7	9	12	9	12	12	9	12	12	9	12
	* 1/4" ELCO MALE/FEMALE "PANELMATE" W/ 1-3/4 MIN. EMBEDMENT & 1/4-20 MACHINE SCREW WITH NUT (MIN. 3,323 P.S.I. CONCRETE)	48.0	12	12	12	12	10	12	12	6	12	12	12	12	11	12	12	6	12	
		62.0	12	12	12	12	6	12	12	6	12	12	12	12	6	12	12	6	12	
72.0		12	9	12	12	6	12	12	6	12	12	10	12	12	6	12	12	6	12	
92.0		12	6	12	12	6	12	12	6	12	12	6	12	12	6	12	12	6	12	
230.0		12	6	12	12	6	12	12	6	12	12	6	12	12	6	12	12	6	12	
HOLLOW CONCRETE BLOCK	1/4" ITW OR ELCO TAPCON W/ 1-1/4" EMBEDMENT	48.0	12	12	11	11	4	7	8	5	12	12	11	11	4	8	9	6		
		62.0	12	5	8	8	5	8	5	12	5	9	9	6	9	6				
		72.0	10	3	6	8	5	8	5	11	4	7	9	6	9	6				
		92.0	8	5	8	5	8	5	9	6	9	6	9	6						
		230.0	8	5	8	5	8	5	9	6	9	6	9	6						
	* 1/4" POWERS CALK-IN W/ 7/8" EMBEDMENT & 1/4-20 STAINLESS STEEL MACHINE SCREW	48.0	12	12	10	12	5	7	10	3	5	12	12	12	6	11	12	4	8	
		62.0	12	6	7	10	3	5	10	3	5	12	8	12	4	8	12	4	8	
		72.0	12	4	6	10	3	5	10	3	5	12	6	10	4	8	12	4	8	
		92.0	10	3	5	10	3	5	10	3	5	12	4	8	12	4	8	12	4	8
		230.0	10	3	5	10	3	5	10	3	5	12	4	8	12	4	8	12	4	8
	* 1/4" ELCO MALE/FEMALE "PANELMATE" W/ 1-1/4 MIN. EMBEDMENT & 1/4-20 MACHINE SCREW WITH NUT	48.0	12	12	12	12	5	8	12	3	6	12	12	12	6	9	12	3	7	
		62.0	12	7	9	12	3	6	12	3	6	12	7	10	12	3	7	12	3	7
72.0		12	5	8	12	3	6	12	3	6	12	5	9	12	3	7	12	3	7	
92.0		12	3	6	12	3	6	12	3	6	12	3	7	12	3	7	12	3	7	
230.0		12	3	6	12	3	6	12	3	6	12	3	7	12	3	7	12	3	7	

		ANCHOR SCHEDULE									
		FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS									
EXISTING STRUCTURE	ANCHOR TYPE	LOAD (W) P.S.F. MAX. (SEE NOTE 1)	MIN. 3/4" EDGE DISTANCE								
			SPANS UP TO 6'-0"		SPANS UP TO 8'-8"		SPANS UP TO 12'-0"				
			(SEE NOTE 1)		(SEE NOTE 1)		(SEE NOTE 1)				
			CONNECTION TYPE (SEE NOTE 3)		CONNECTION TYPE (SEE NOTE 3)		CONNECTION TYPE (SEE NOTE 3)				
		C1   C2   C3		C1   C2   C3		C1   C2   C3					
WOOD	 1/4" WOOD LAG SCREW W/ MIN. 1-3/4" THREADED PENETRATION "T" SHEAR PARALLEL OR PERPENDICULAR TO WOOD GRAIN	48.0	12	12	11	12	12	7	12	7	6
		62.0	12	12	8	12	7	6	12	7	6
		72.0	12	11	7	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.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH OR STUCCO. EMBEDMENT OF LAG SCREW SHALL ONLY INCLUDE THE THREADED PORTION "T" 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. FASTENING TO PLYWOOD IS ACCEPTABLE ONLY FOR SIDE CLOSURE PIECES.
- 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), U.O.N.
- DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE USES.
- \* DESIGNATES ANCHORS WHICH ARE REMOVABLE BY REMOVING MACHINE SCREW, NUT OR WASHERED WINGNUT.

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 02/22/2001  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0823.02

**KNEZEVICH & ASSOCIATES, INC.**  
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**20 GA. GALVANIZED STEEL STORM PANEL**  
**REMO**  
PETROLEUM EQUIPMENT MANUFACTURING COMPANY, INC.  
2185 W. 76th STREET • HIALEAH, FL 33018  
PHONE: (305) 558-9911 • FAX: (305) 558-9922

NO.	DATE	BY	DESCRIPTION
0	01/31/01	DLB	PREV. DRAWING NO. 99-278

V.J. KNEZEVICH  
PROFESSIONAL ENGINEER  
FL License No: PE 0010983

**FEB 02 2001**

date 01/31/01  
scale AS NOTED  
drawn by MC  
design by MD checked by VJK

drawing no. **01-216**

sheet 4 of 4