



**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**

**Shutters Plus, Inc**  
**8535 NW 56 Street**  
**Miami ,FL 33166**

Your application for Notice of Acceptance (NOA) of:

**"Quick Mount 20" 20 Gauge 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.: 00-0519.06**  
**EXPIRES: 10/05/2003**

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: 10/05/2000**

**Shutters Plus, Inc.**

ACCEPTANCE No. : 00-0519.06

APPROVED : OCT 0 5 2000

EXPIRES : OCT 0 5 2003

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

This approves a 20 ga. Galvanized Steel Storm Panel 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 20 ga. Galvanized Steel Storm Panel Shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. 99-333, titled " Quick Mount 20 Storm Panel", prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E., dated May 17, 2000, last revision #1 dated September 1, 2000, sheets 1 through 5 of 5, 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 20 ga. Galvanized Steel Storm Panel 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".

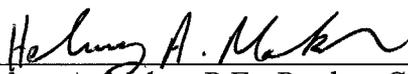
**6. BUILDING PERMIT REQUIREMENTS**

**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

**Shutters Plus, Inc.**

**ACCEPTANCE No. :** 00-0519.06

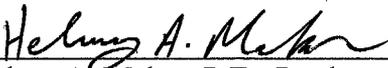
**APPROVED :** OCT 0 5 2000

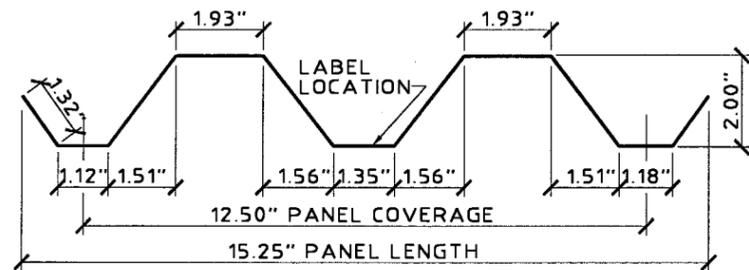
**EXPIRES :** OCT 0 5 2003

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

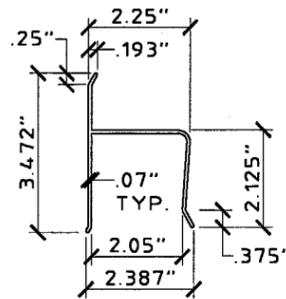
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the 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**

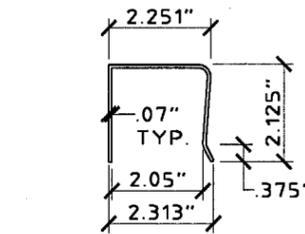
  
\_\_\_\_\_  
Helmy A. Makar, P.E. -Product Control Examiner  
Product Control Division



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



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



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

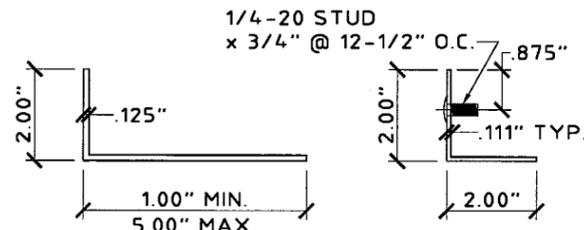
**GENERAL NOTES:**

1. THIS SHUTTER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7-88 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES". TABLES SHALL BE REFERENCED AT THE APPROPRIATE DESIGN LOADS.
3. STORM PANELS SHALL BE 20 GAUGE STEEL (t = .0366") CONFORMING TO ASTM A653, STRUCTURAL QUALITY, GRADE 50, G60 GALVANIZED COATING WITH A MINIMUM Fy = 55.5 K.S.I. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.
4. PRODUCT MARKINGS SHALL BE APPROXIMATELY 12" OF ONE END OF THE PANEL WITH A MINIMUM OF ONE MARKING PER PANEL, AND SHALL BE LABELED AS FOLLOWS:

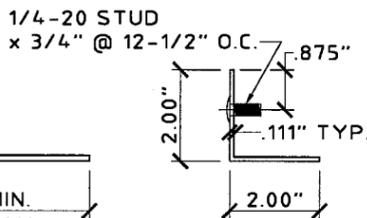
SHUTTERS PLUS, INC.  
MIAMI, FLORIDA

MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED

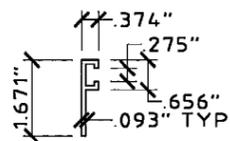
5. ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 K.S.I.
6. THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR IMPACT, CYCLIC AND UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 203, AND 202. REFERENCE CONSTRUCTION TESTING CORP. (C.T.C.) TEST REPORT No. 00-001
7. TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE.
8. ANCHORS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURERS RECOMMENDATIONS. EMBEDMENT LENGTHS SHALL BE AS NOTED AND DO NOT INCLUDE STUCCO OR OTHER FINISHES.



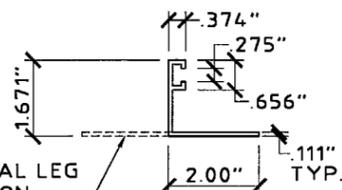
**4 ANGLE**  
SCALE: 3" = 1' - 0"



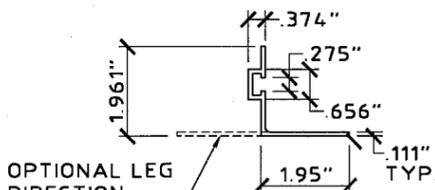
**5 STUD ANGLE**  
SCALE: 3" = 1' - 0"



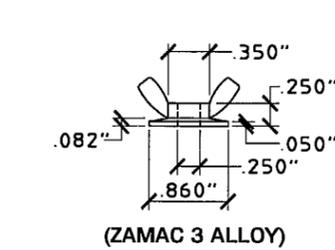
**6 "F" TRACK**  
SCALE: 3" = 1' - 0"



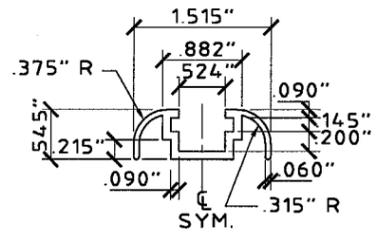
**7 "F" ANGLE**  
SCALE: 3" = 1' - 0"



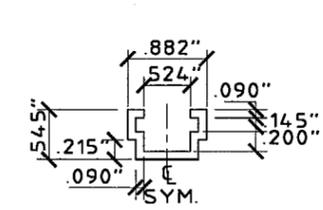
**8 REV. "F" ANGLE**  
SCALE: 3" = 1' - 0"



**9 WASHERED WINGNUT**  
SCALE: HALF SIZE

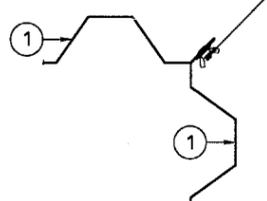


**10 DECORATIVE C-TRACK**  
SCALE: HALF SIZE

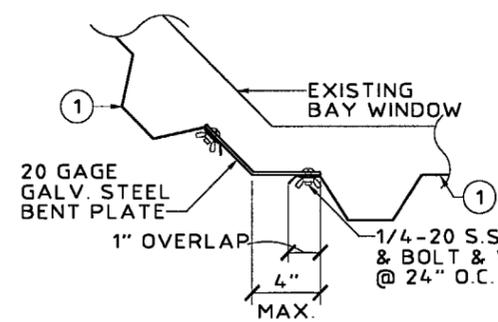


**11 C-TRACK**  
SCALE: HALF SIZE

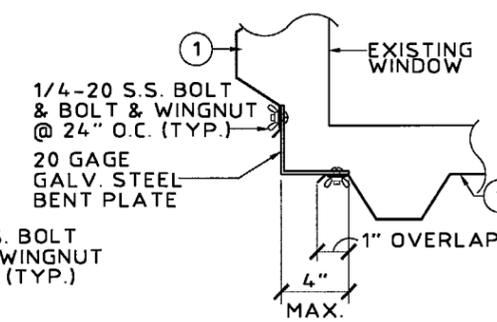
1/4-20 STAINLESS STEEL BOLT AND WASHERED WINGNUT @ 12" O.C. OR 1/4-20 MACHINE BOLT AND LOCK NUT @ 12" O.C.



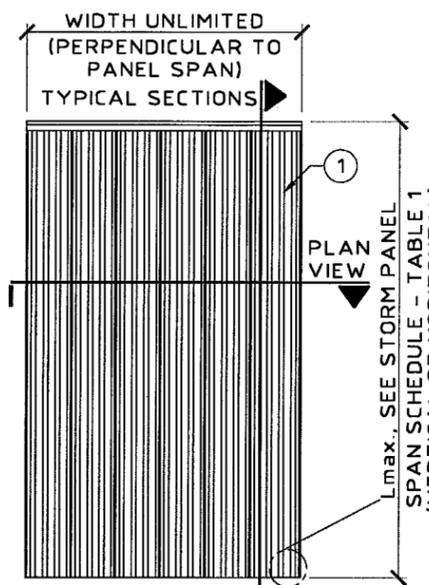
**A CORNER CLOSURE DETAIL**  
SCALE: 1-1/2" = 1' - 0"



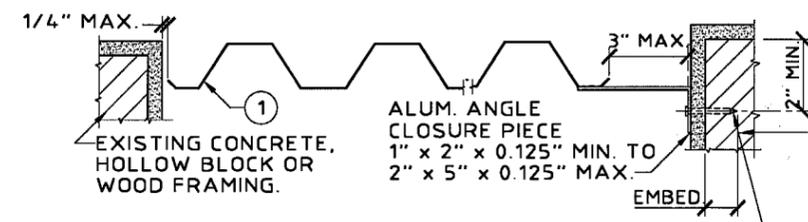
**B CORNER CLOSURE DETAIL**  
SCALE: 1-1/2" = 1' - 0"



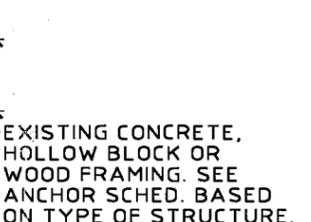
**C CORNER CLOSURE DETAIL**  
SCALE: 1-1/2" = 1' - 0"



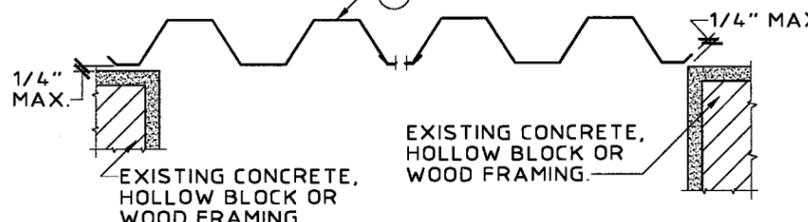
**E PANEL ELEVATION**  
SCALE: 1/4" = 1' - 0"



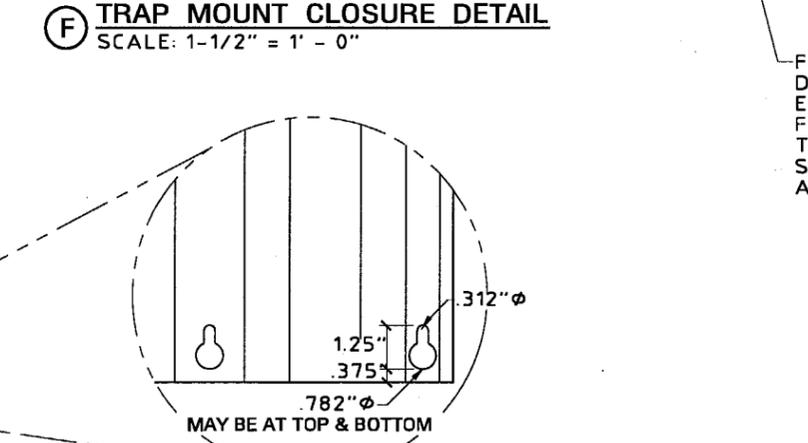
**F TRAP MOUNT CLOSURE DETAIL**  
SCALE: 1-1/2" = 1' - 0"



**G BUILD-OUT MOUNT CLOSURE DETAIL**  
SCALE: 1-1/2" = 1' - 0"



**D WALL MOUNT CLOSURE DETAIL**  
SCALE: 1-1/2" = 1' - 0"



EXISTING CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. SEE ANCHOR SCHED. BASED ON TYPE OF STRUCTURE.

FASTENER @ 12" O.C. FOR DESIGN LOADS LESS THAN OR EQUAL TO 100 P.S.F. & @ 8" O.C. FOR DESIGN LOADS GREATER THAN 100 P.S.F. (SEE ANCHOR SCHEDULE FOR ANY ACCEPTABLE ANCHOR)

EXISTING CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. SEE ANCHOR SCHED. BASED ON TYPE OF STRUCTURE.

EXISTING CONCRETE, HOLLOW BLOCK OR WOOD FRAMING.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE: October 05, 2000  
BY: *Heather A. Hahn*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0519-06



**KNEZEVICH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS • PRODUCT TESTING  
1280 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33302  
TEL: (954) 382-2800 • FAX: (954) 382-2888 • FLORIDA COA #3205  
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM  
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**SHUTTERS PLUS, INC.**  
8535 N.W. 56TH STREET  
MIAMI, FLORIDA 33166  
TEL: (305) 594-6694  
FAX: (305) 594-9017

no.	date	description	COUNTY COMMENTS
1	09/01/00	JAP	

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

SEP 01 2000  
date 05/17/00  
scale AS NOTED  
drawn by MC  
design by JAP  
checked by VJK  
drawing no. 99-333  
sheet 1 of 5



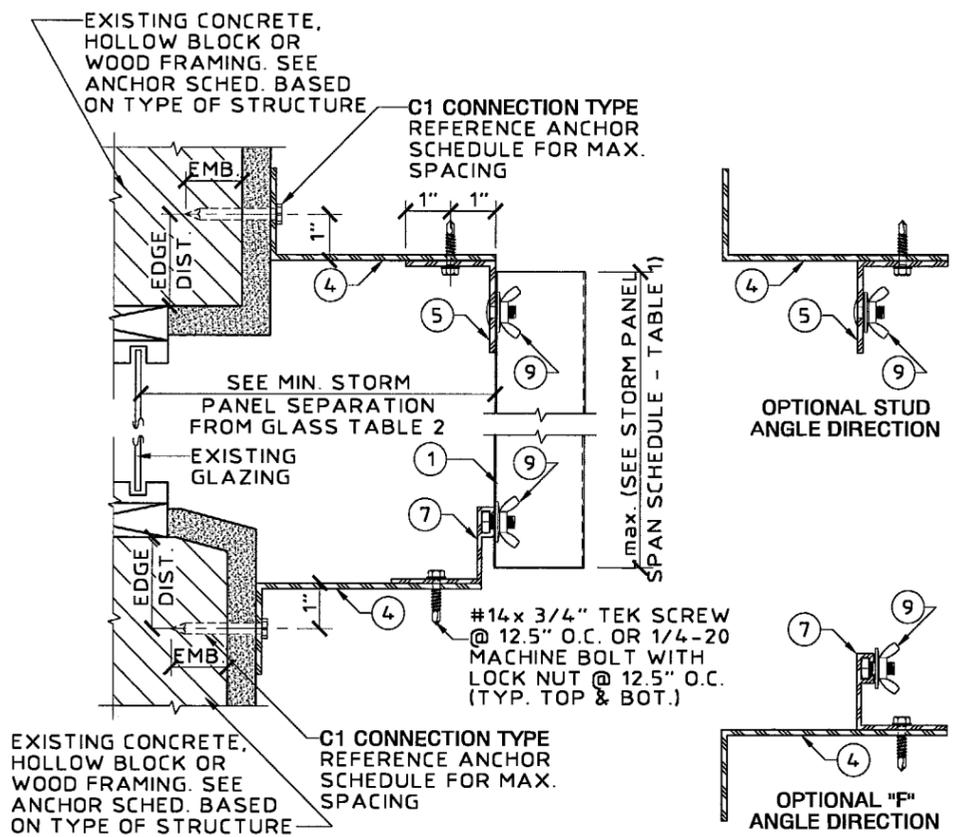
**KNEZEVICH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS • PRODUCT TESTING  
 1280 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322  
 TEL: (954) 382-2800 • FAX: (954) 382-2888 • FLORIDA COA #9305  
 WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM  
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**QUICK MOUNT 20 STORM PANEL**  
**SHUTTERS PLUS, INC.**  
 8535 N.W. 56th STREET  
 MIAMI, FLORIDA 33166  
 TEL: (305) 594-6694  
 FAX: (305) 594-9017

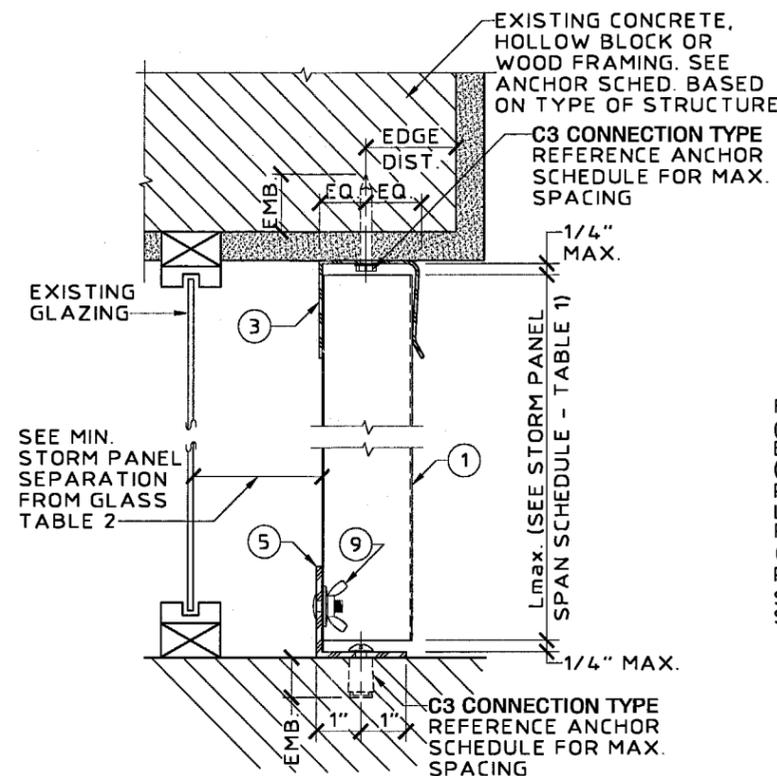
no.	date	description	COUNTY COMMENTS
1	09/01/00	JAP	

V.J. KNEZEVICH  
 PROFESSIONAL ENGINEER  
 FL License No: PE 0010983  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0519.06

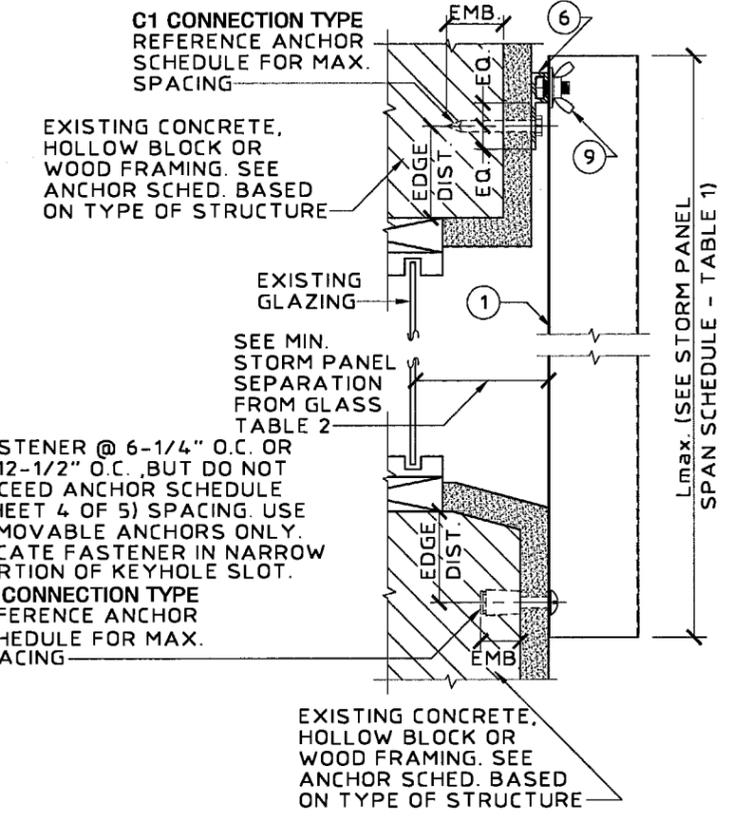
SEP 01 2000  
 date 05/17/00  
 scale AS NOTED  
 drawn by MC  
 design by JAP  
 checked by VJK  
 drawing no. 99-333  
 sheet 2 of 5



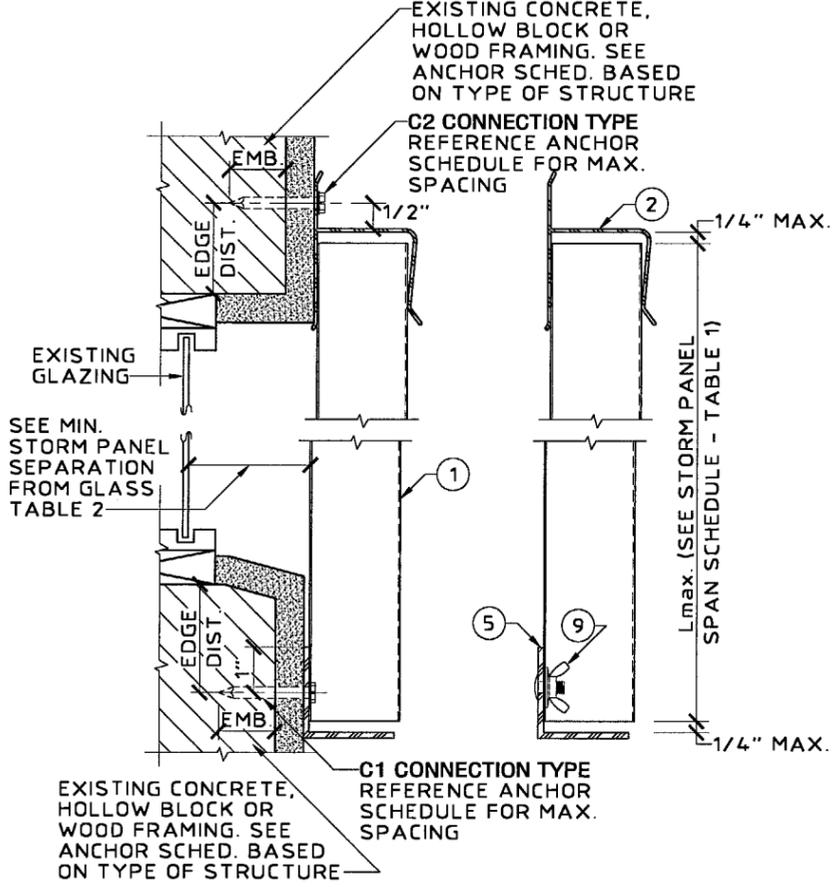
**H BUILD-OUT MOUNT SECTION**  
 SCALE: 3" = 1' - 0"



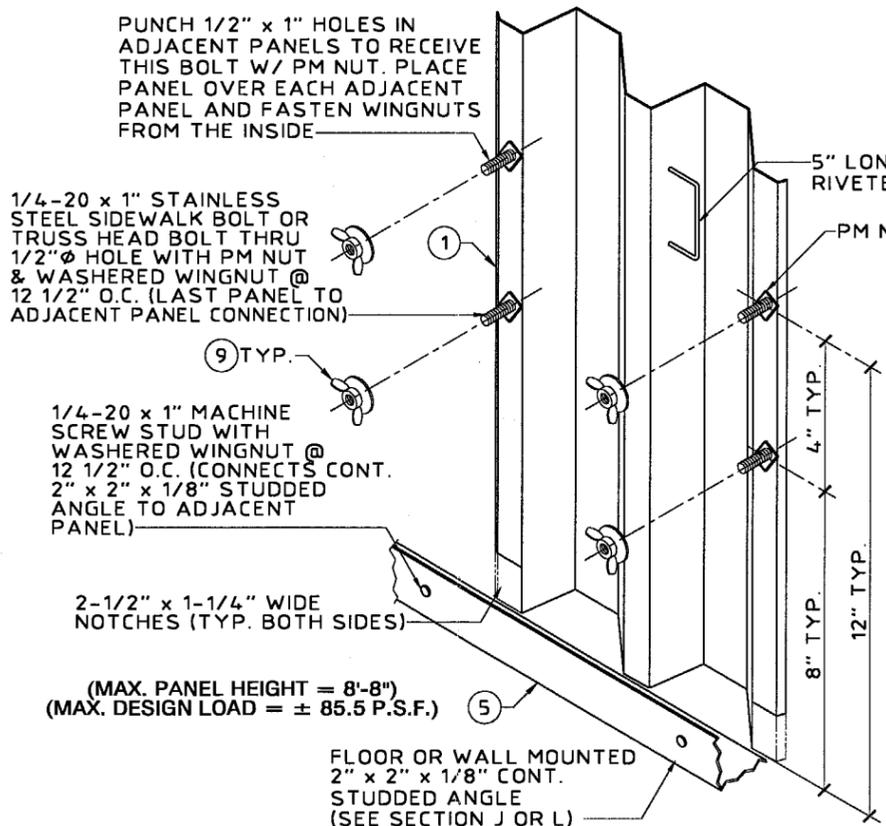
**J CEILING/FLOOR MOUNT SECTION**  
 SCALE: 3" = 1' - 0"



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



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



**M INTERIOR FASTENING PANEL ASSEMBLY**  
 N.T.S.

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE *October 05, 2000*  
 BY *Helmut H. Knezevich*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0519.06

**DETAIL M NOTE:**  
 DEPICTS THE CONNECTION  
 OF THE LAST PANEL FOR  
 AN OPENING WITH PANELS  
 INSTALLED FROM INSIDE.  
 REFERENCE DETAILS J OR L  
 FOR TOP AND BOTTOM  
 MOUNTING CONDITIONS.



**KNEZEVICH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS • PRODUCT TESTING  
 1280 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322  
 TEL: (954) 382-2800 • FAX: (954) 382-2889 • FLORIDA COA #3205  
 WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM  
 COPYRIGHT © 2000 KNEZEVICH & ASSOCIATES, INC.

**QUICK MOUNT 20 STORM PANEL**  
**SHUTTERS PLUS, INC.**  
 8535 N.W. 56th STREET  
 MIAMI, FLORIDA 33166  
 TEL: (305) 594-6694  
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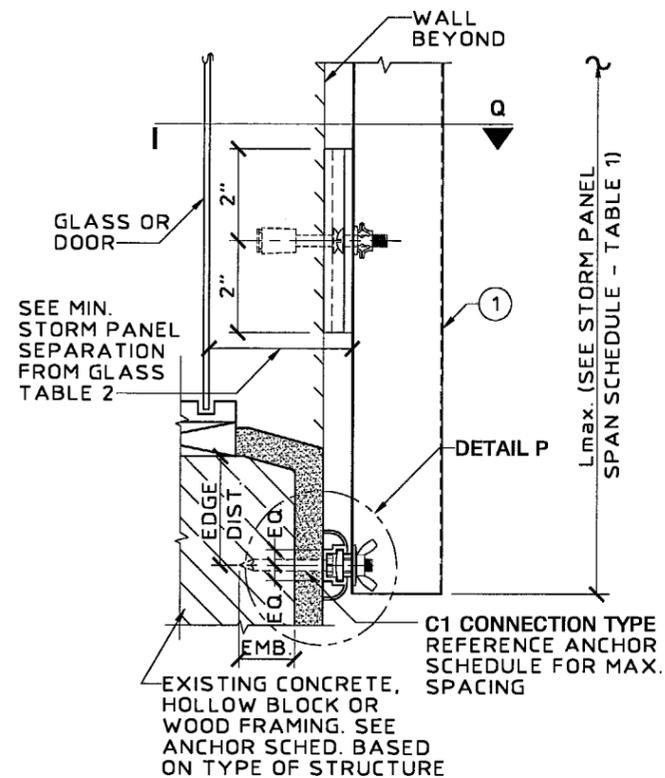
REVISIONS	
no.	description
1	09/01/00 JAP

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

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE *October 05, 2000*  
 BY *Heather H. Mark*  
 PRODUCT CONTROL DIVISION

date 05/17/00  
 scale AS NOTED  
 design by JAP  
 checked by VJK

drawing no.  
**99-333**  
 sheet 3 of 5

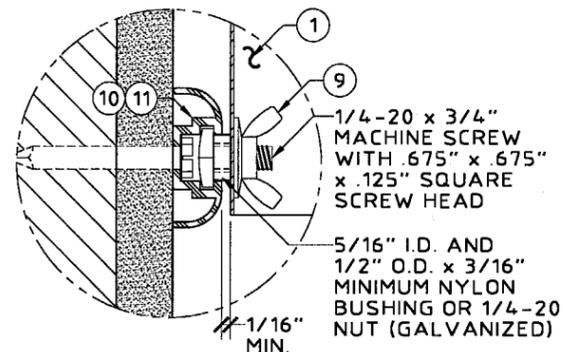


NOTE: USE OF DETAIL SHALL BE IN CONJUNCTION WITH AN "h" HEADER OR "U" HEADER TOP MOUNT

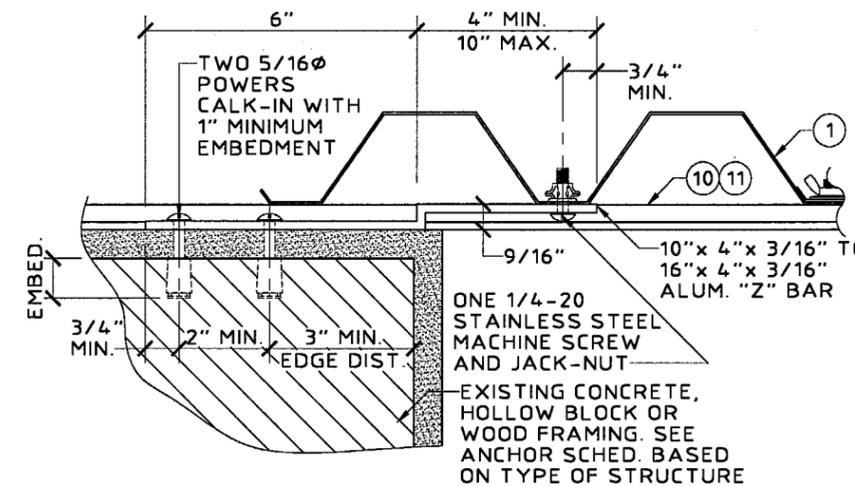
**(N) C-TRACK ASSEMBLY - INSIDE MOUNT**  
 SCALE: 3" = 1' - 0"

**DETAILS (N), (P) & (Q) NOTES:**

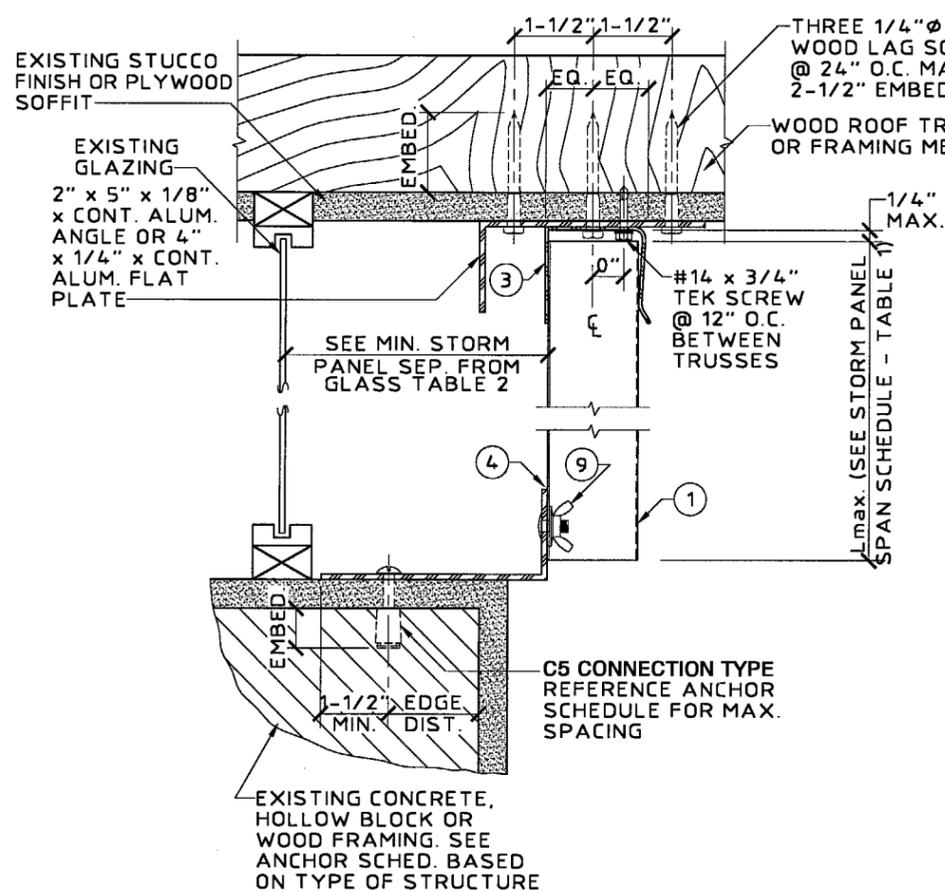
1. MAXIMUM PANEL HEIGHT IS LIMITED TO 7'-6" AND MAX. DESIGN LOAD IS LIMITED TO ± 72 P.S.F. THESE LIMITATIONS ARE APPLICABLE WHEN:  
 A) THE NYLON BUSHING OR NUT IS USED, AS SHOWN ON DETAIL (P), AND  
 B) THE "Z" BAR IS USED TO PREVENT THE PANELS FROM SLIDING SIDEWAYS, AS SHOWN ON DETAIL (Q).
2. IF THE BUSHING OR NUT 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.



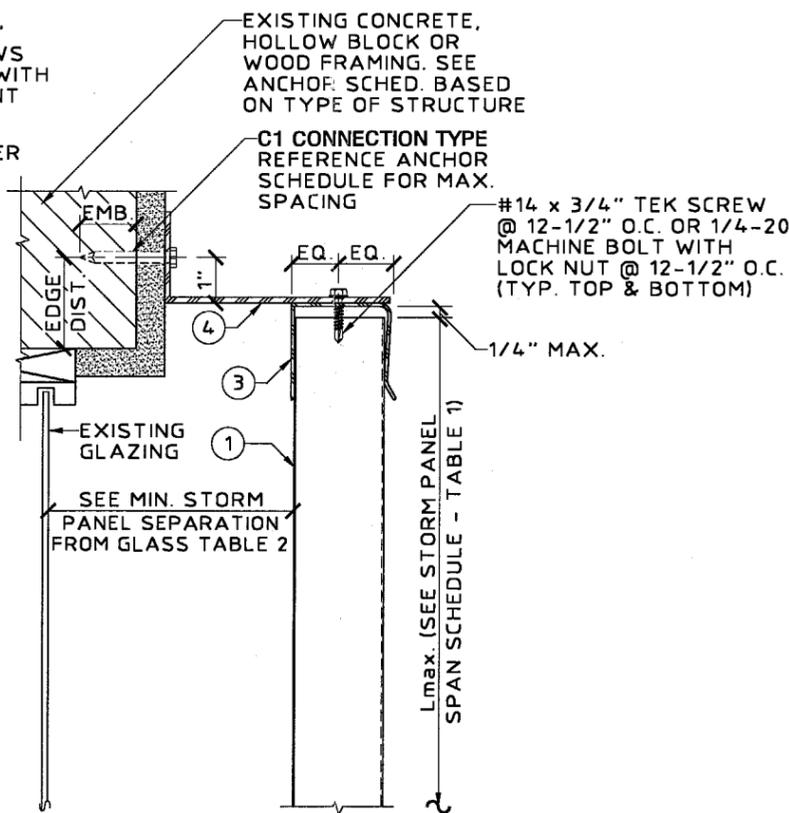
**(P) C-TRACK ASSEMBLY - (BLOW UP)**  
 SCALE: HALF SIZE



**(Q) PLAN VIEW C-TRACK ASSEMBLY - (USING LOCKING "Z" BAR)**  
 SCALE: 3" = 1' - 0"



**(R) BUILD-OUT MOUNT SECTION**  
 SCALE: 3" = 1' - 0"



**(S) BUILD-OUT MOUNT SECTION**  
 SCALE: 3" = 1' - 0"



