



**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)

**American Building Products L.L.C.
5600 Jefferson Hwy. Bldg. W-1 Suite #200
Harahan, LA 70123**

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. 99-336, titled " 0.050" Aluminum Storm Panel ", sheets 1 through 6 of 6, prepared by Knezevich & Associates, Inc., dated June 21, 2000, last revision #2 dated February 21, 2001, 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.

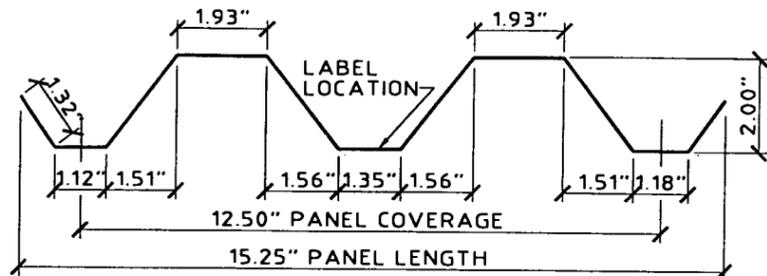
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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.

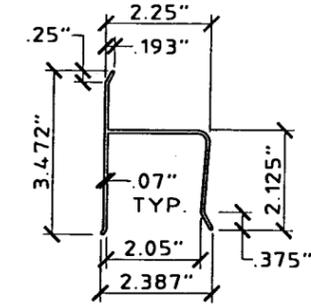
This NOA revises NOA # 00-0726.05 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



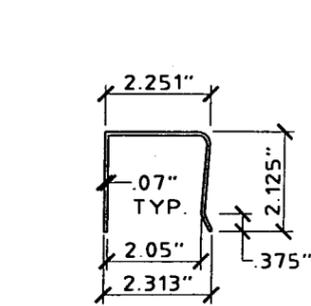
**NOA No 02-0806.03
Expiration Date: 03/22/2004
Approval Date: 09/18/2002
Page 1**



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



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

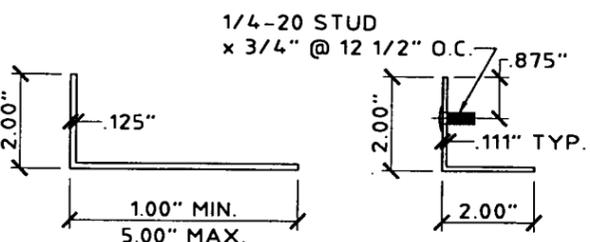


3 "U" HEADER
SCALE: 3" = 1' - 0"

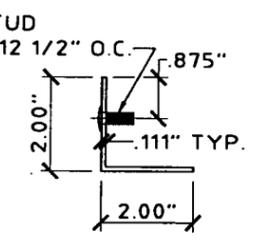
- GENERAL NOTES:**
1. THIS SHUTTER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
 2. POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7-88 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES". TABLES SHALL BE REFERENCED AT THE APPROPRIATE DESIGN LOADS.
 3. STORM PANELS SHALL BE 3004-H34 ALUMINUM ALLOY 0.050" THICK. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.
 4. 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:

AMERICAN BUILDING PRODUCTS, LLC
NEW ORLEANS, LOUISIANA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED

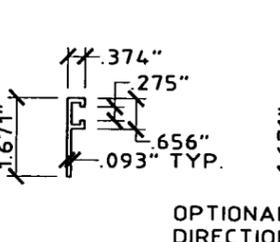
5. ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 K.S.I.
6. THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR IMPACT, CYCLIC AND UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 203, AND 202. REFERENCE CONSTRUCTION TESTING CORP. (C.T.C.) TEST REPORT No. 00-002ABP & No. 00-025.
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 WITH MANUFACTURERS RECOMMENDATIONS. EMBEDMENT LENGTHS SHALL BE AS NOTED AND DO NOT INCLUDE STUCCO OR OTHER FINISHES.



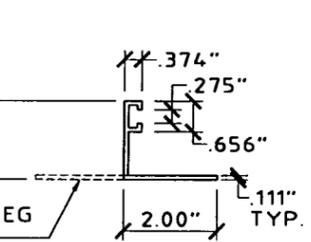
4 ANGLE
SCALE: 3" = 1' - 0"



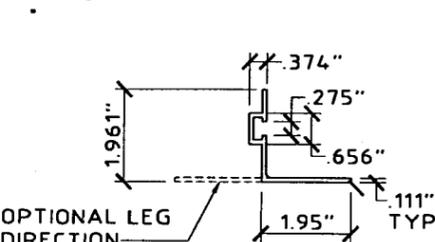
5 STUD ANGLE
SCALE: 3" = 1' - 0"



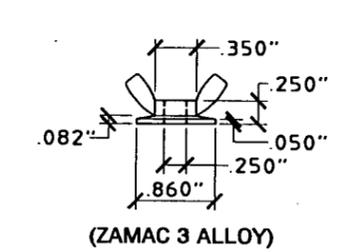
6 "F" TRACK
SCALE: 3" = 1' - 0"



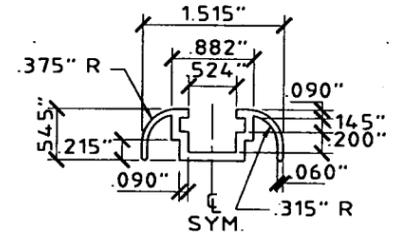
7 "F" ANGLE
SCALE: 3" = 1' - 0"



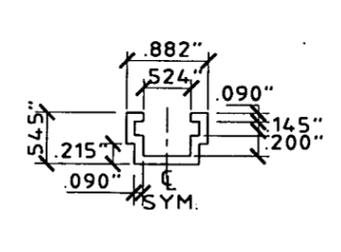
8 REV. "F" ANGLE
SCALE: 3" = 1' - 0"



9 WASHERED WINGNUT
SCALE: HALF SIZE

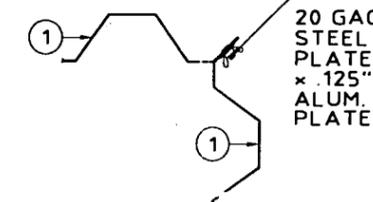


10 DECORATIVE C-TRACK
SCALE: HALF SIZE

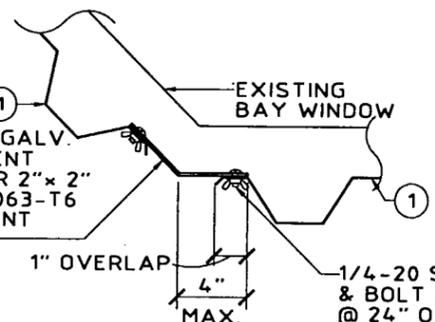


11 C-TRACK
SCALE: HALF SIZE

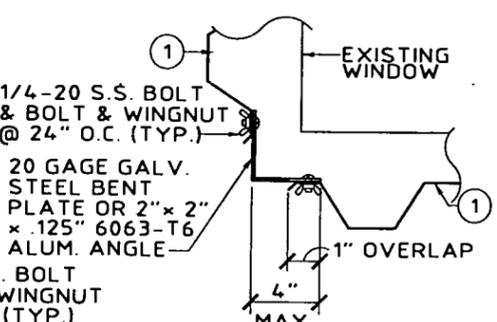
1/4-20 STAINLESS STEEL BOLT AND WASHERED WINGNUT @ 12" O.C. OR 1/4-20 MACHINE BOLT AND LOCK NUT @ 12" O.C.



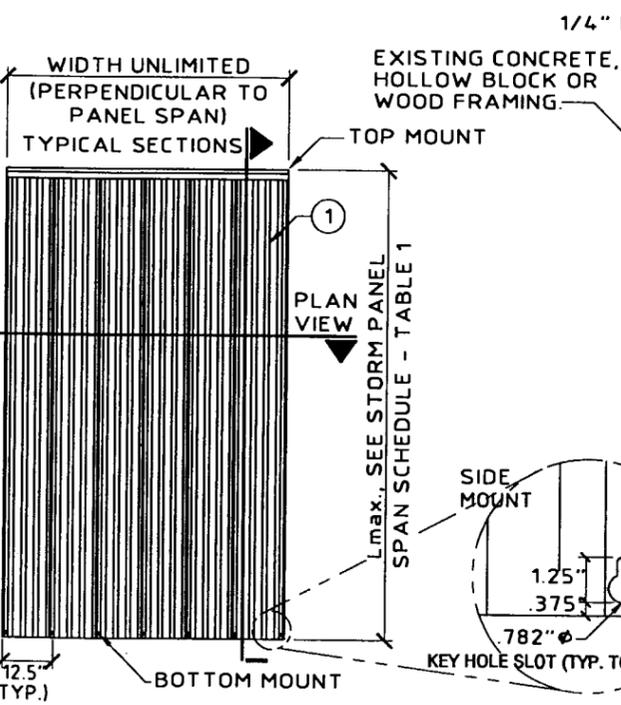
A CORNER CLOSURE DETAIL
SCALE: 1-1/2" = 1' - 0"



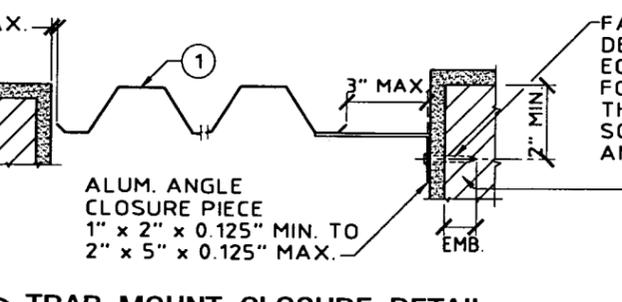
B CORNER CLOSURE DETAIL
SCALE: 1-1/2" = 1' - 0"



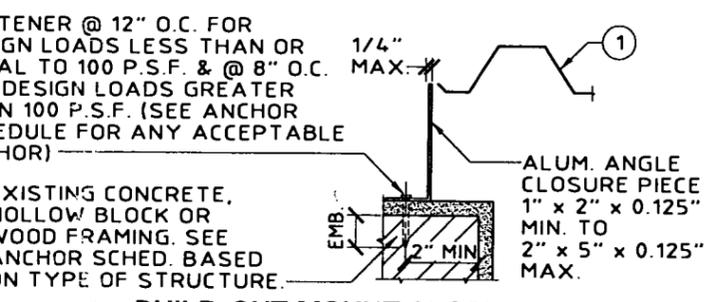
C CORNER CLOSURE DETAIL
SCALE: 1-1/2" = 1' - 0"



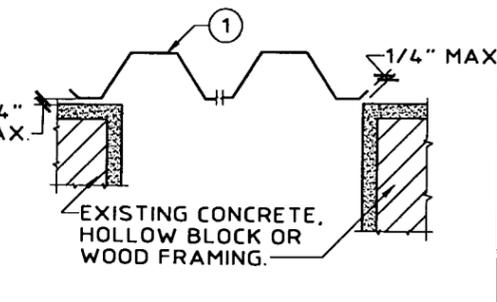
G TYPICAL VERTICAL ELEVATION
SCALE: 1/4" = 1' - 0"



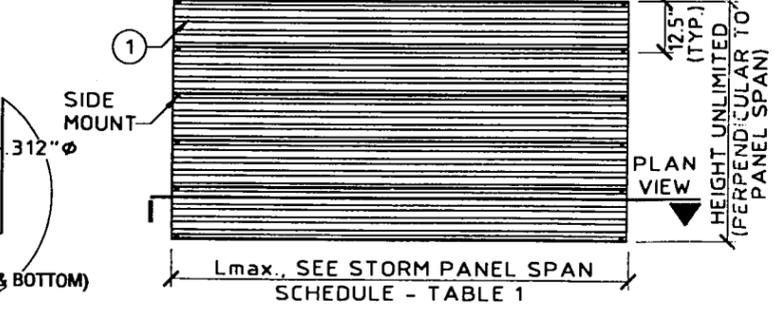
D TRAP MOUNT CLOSURE DETAIL
SCALE: 1-1/2" = 1' - 0"



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



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



H TYPICAL HORIZONTAL ELEVATION
SCALE: 1/4" = 1' - 0"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0806.03
Expiration Date 03/22/2004
By *Helmut A. Mahler*
Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: 03/22/2001
BY: *Helmut A. Mahler*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0726-05

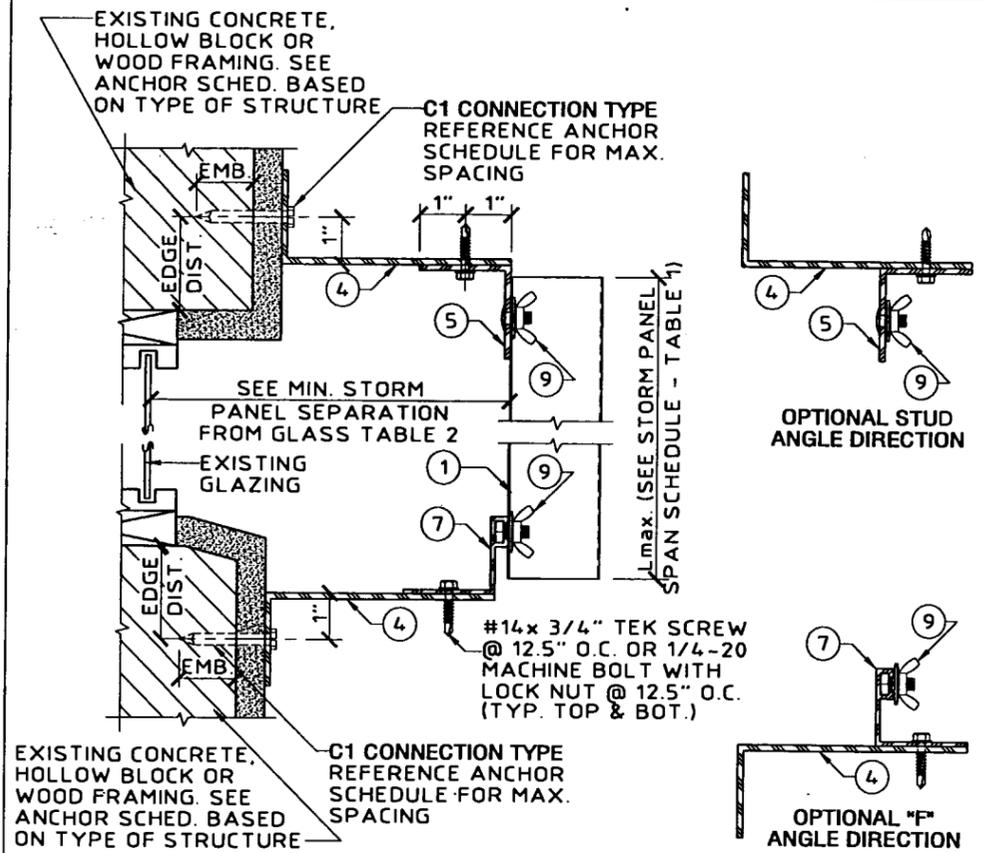


KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1280 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33302
TEL: (954) 382-2800 • FAX: (954) 382-2888 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
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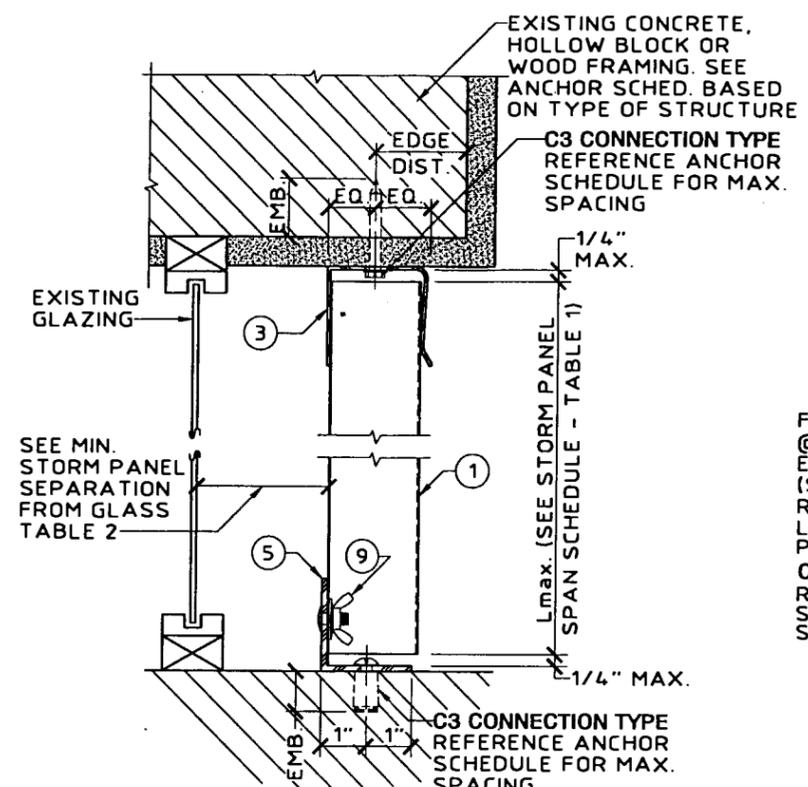
0.050" ALUMINUM STORM PANEL
American Building Products
5600 Jefferson Hwy. Bldg. W-2 Suite 248
Herahan, LA 70123
TEL: 888-734-9941 / (504) 734-9941
FAX: (504) 734-5788

REVISIONS	
NO.	DATE BY DESCRIPTION
1	09/25/00 AS GENERAL REVISION
2	02/21/01 JP GENERAL NOTES/DETAILS U.S.V.

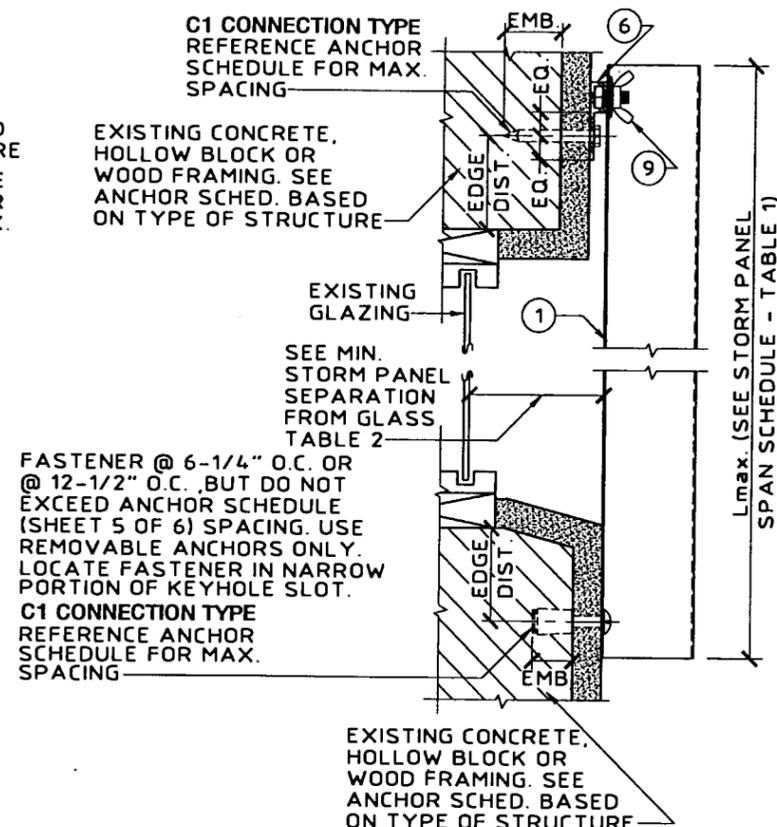
V.I. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0610963
FEB 22 2001
date 06/21/00
scale AS NOTED drawn by AV
design by JP checked by VJK
drawing no. 99-336
sheet 1 of 6



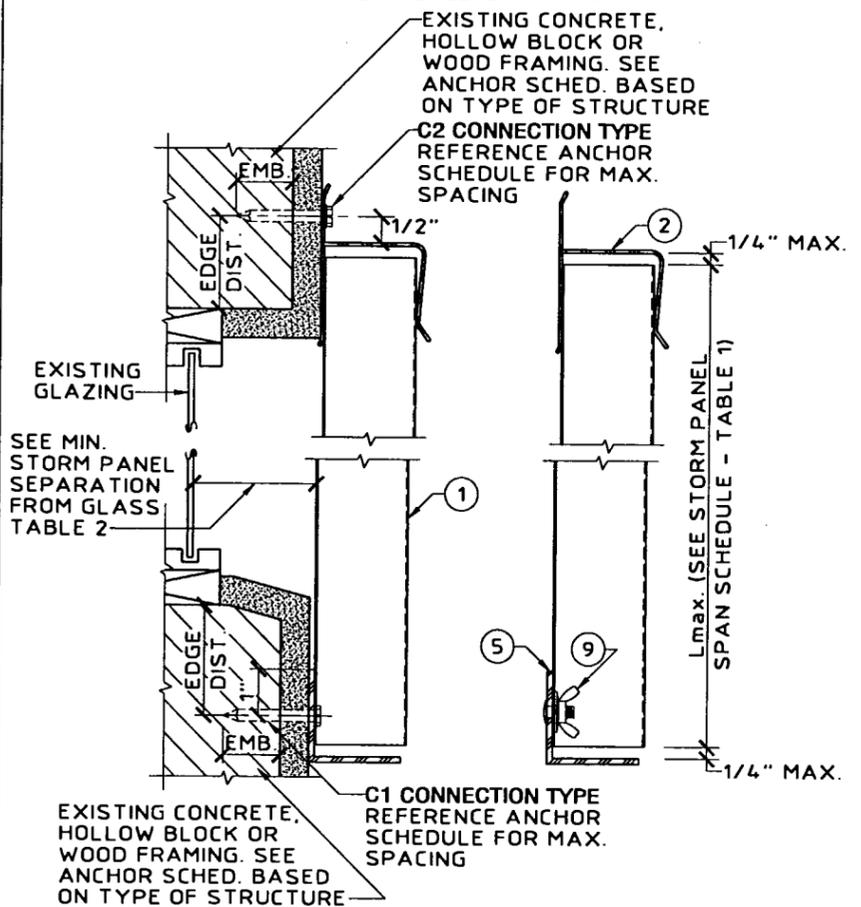
J BUILD-OUT MOUNT SECTION
SCALE: 3" = 1' - 0"



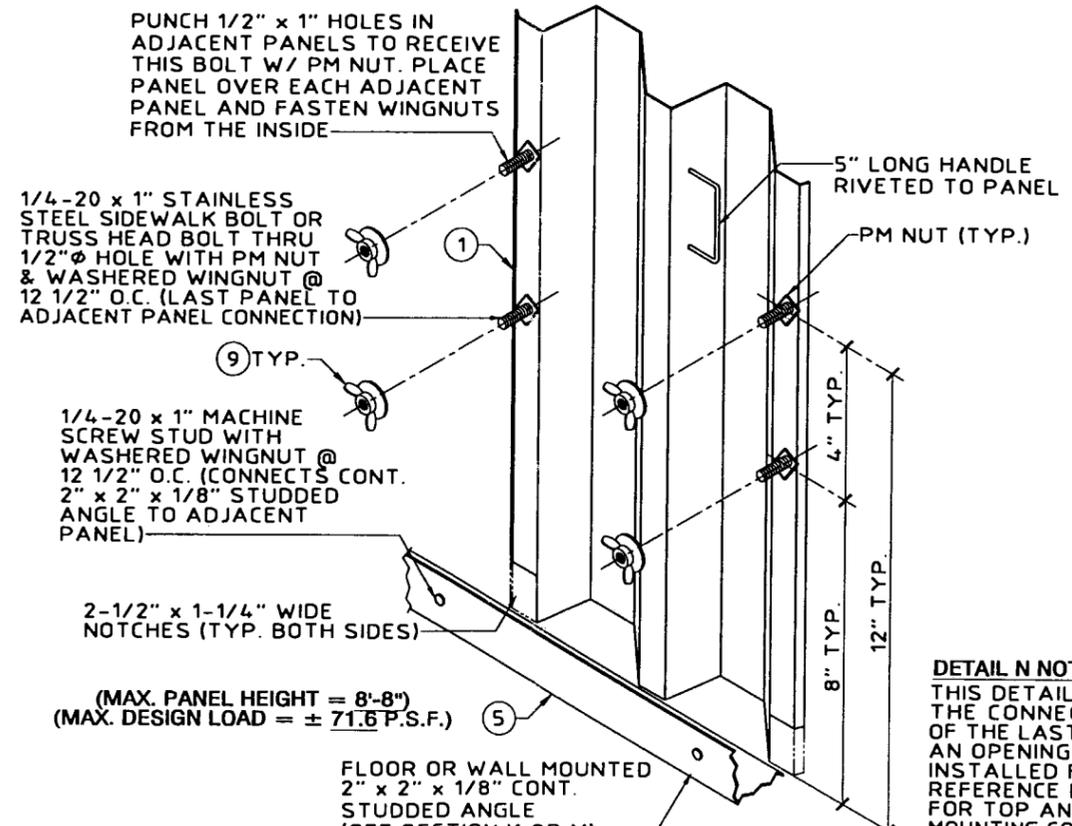
K CEILING/FLOOR MOUNT SECTION
SCALE: 3" = 1' - 0"



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



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



N INTERIOR FASTENING PANEL ASSEMBLY
N.T.S.

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0806.03
Expiration Date 03/22/2004
By *Helmut A. Mader*
Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Helmut A. Mader*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0726-05



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
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REVISIONS	
NO.	DESCRIPTION
1	02/21/01 AS GENERAL REVISION
2	02/21/01 J.P. GENERAL NOTES/DETAILS U & V

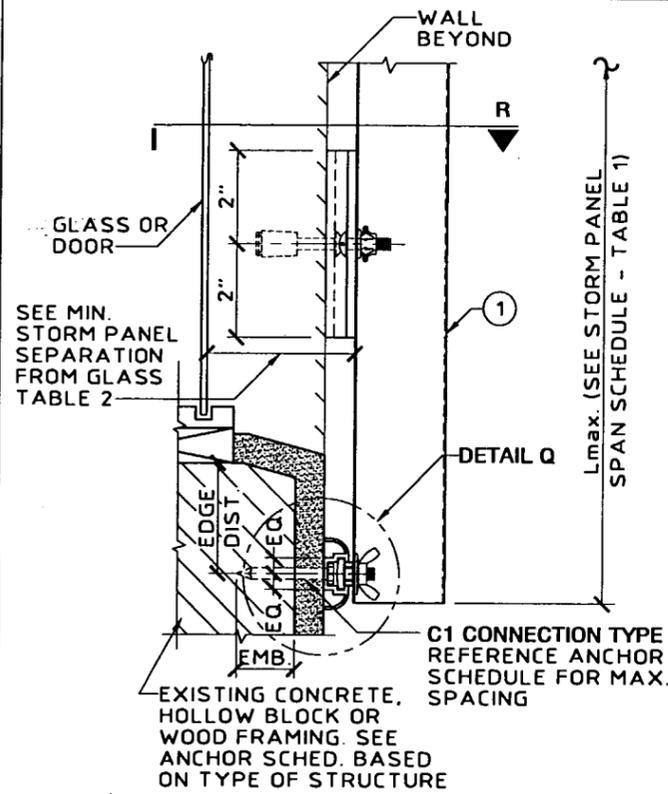
V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No. PE 000983

FEB 22 2001

date 05/21/00
scale AS NOTED
design by jp
drawn by AV
checked by v.jk

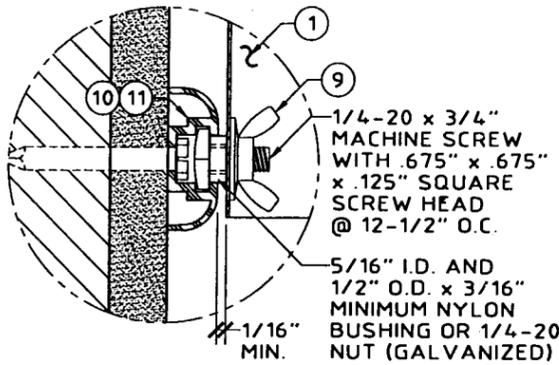
drawing no. 99-336

sheet 2 of 6



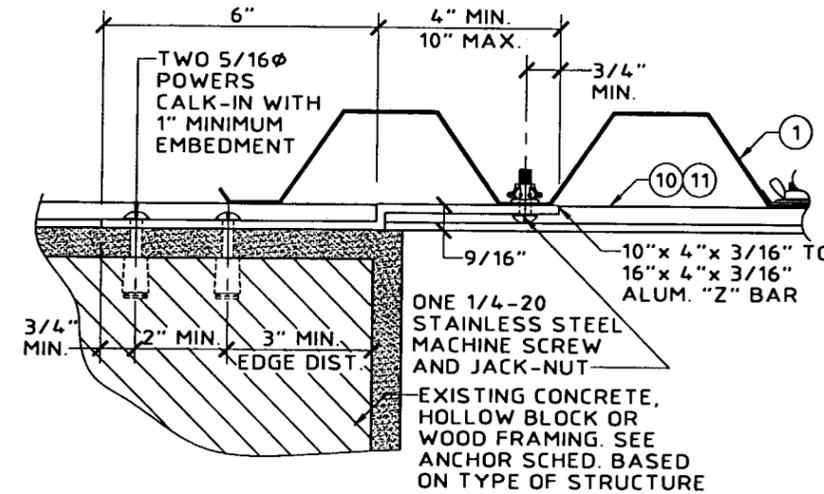
NOTE: USE OF DETAIL SHALL BE IN CONJUNCTION WITH AN "h" HEADER OR "U" HEADER TOP MOUNT

P C-TRACK ASSEMBLY - INSIDE MOUNT
SCALE: 3" = 1' - 0"

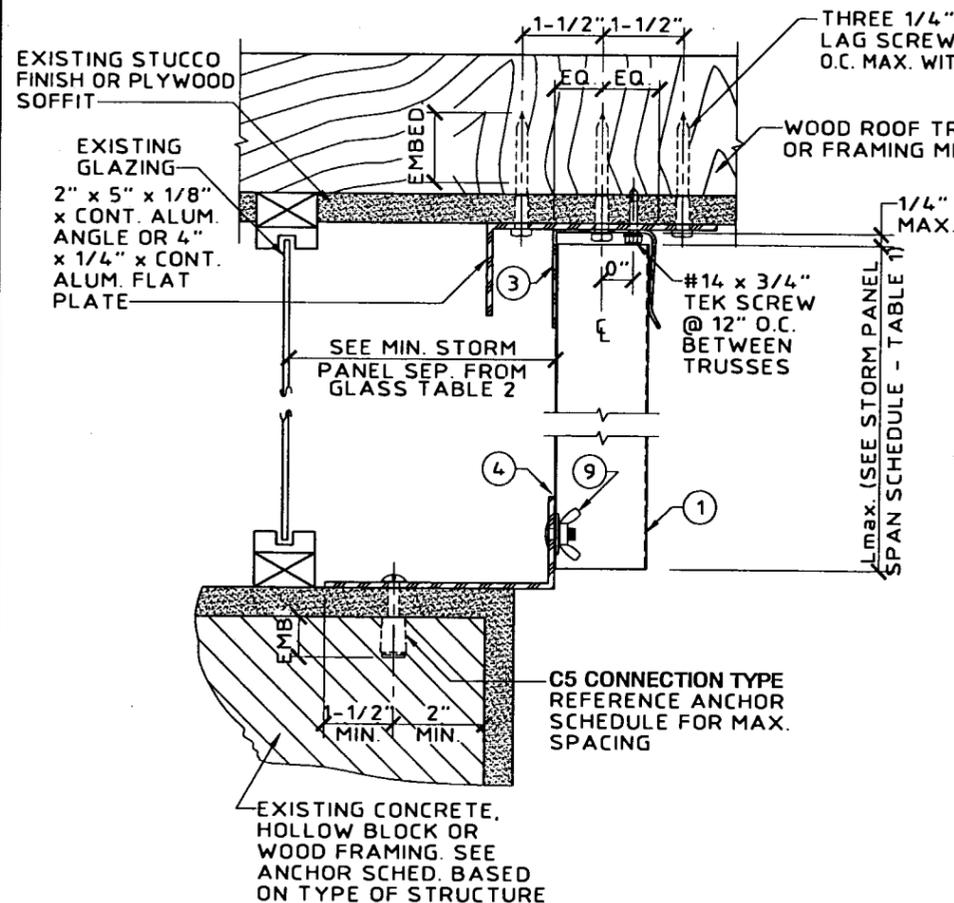


Q C-TRACK ASSEMBLY - (BLOW UP)
SCALE: HALF SIZE

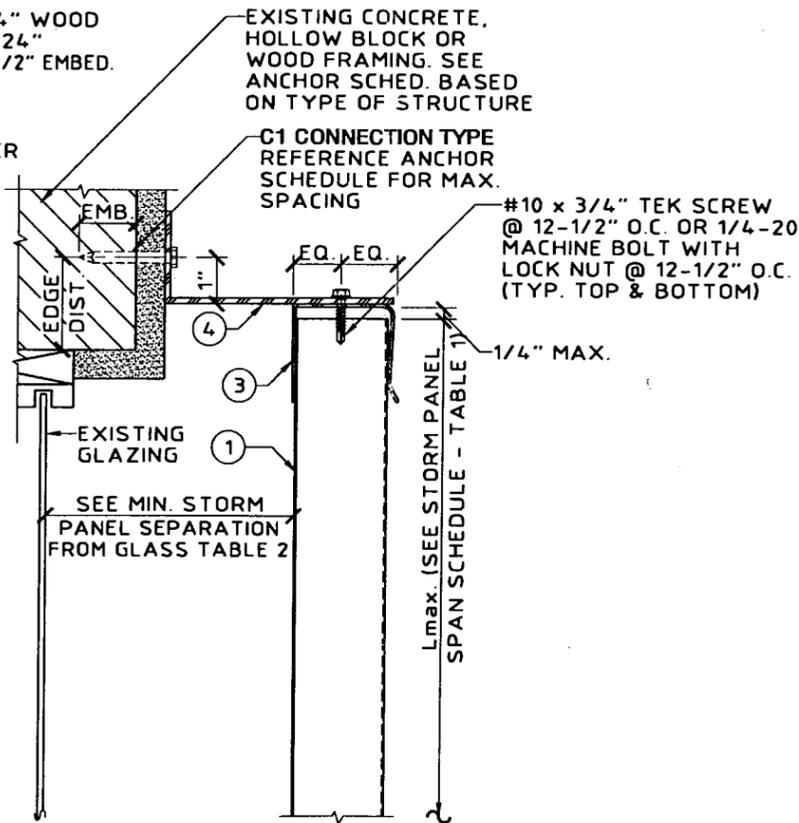
NOTE: MAX. PANEL HEIGHT IS LIMITED TO 7'-6" AND MAX. DESIGN LOAD IS LIMITED TO ± 72 psf. THESE LIMITATIONS ARE APPLICABLE WHEN:
1. THE NYLON BUSHING OR 1/4-20 GALVANIZED NUT ARE USED, AS SHOWN ON DETAIL Q, AND
2. THE "Z" BAR IS USED TO PREVENT THE PANELS FROM SLIDING SIDEWAYS.
IF THE BUSHING OR 1/4-20 GALVANIZED NUT AND THE "Z" BAR ARE NOT USED, THEN THE ABOVE LIMITATIONS FOR PANEL HEIGHT AND FOR DESIGN LOAD ARE NOT APPLICABLE, AND THE PANEL HEIGHT AND THE DESIGN LOAD SHALL BE LIMITED TO THOSE SHOWN IN TABLE 1.



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



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



T BUILD-OUT MOUNT SECTION
SCALE: 3" = 1' - 0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0806.03
Expiration Date 03/22/2004
By *Helmut A. Mohr*
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 03/22/2004
BY *Helmut A. Mohr*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0726.05

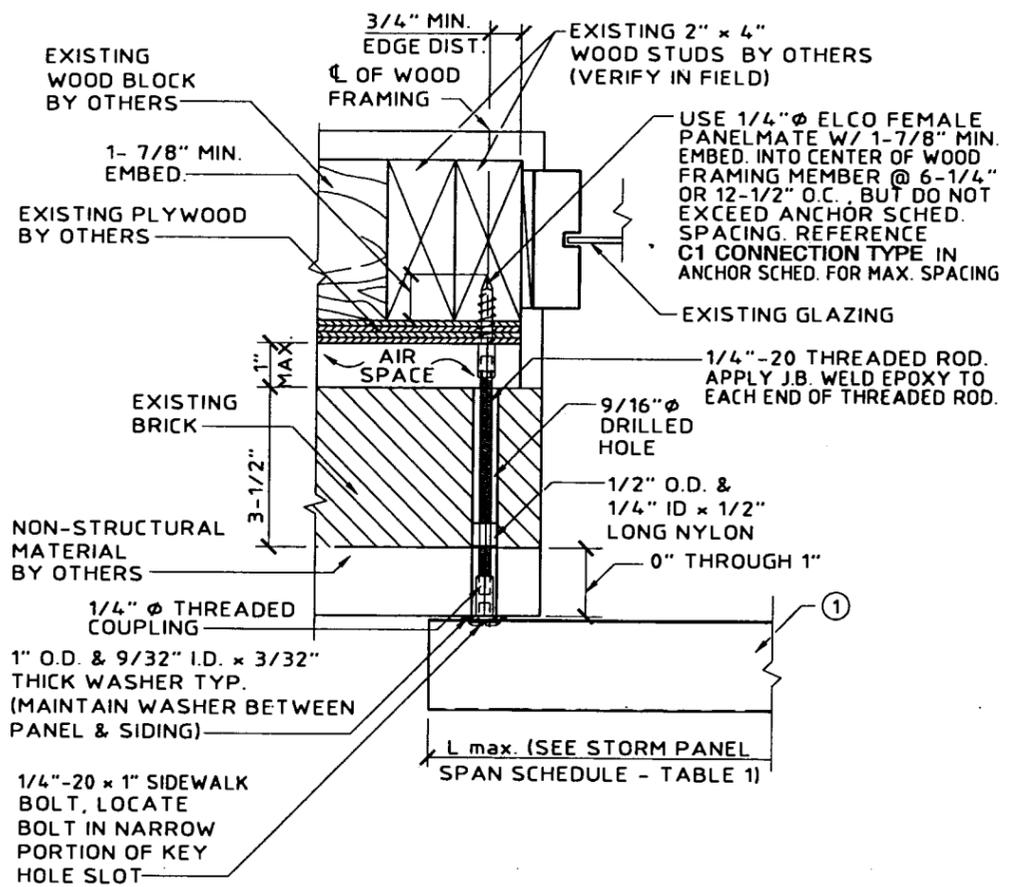
KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1280 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2900 • FAX: (954) 382-2989 • FLORIDA COA #3205
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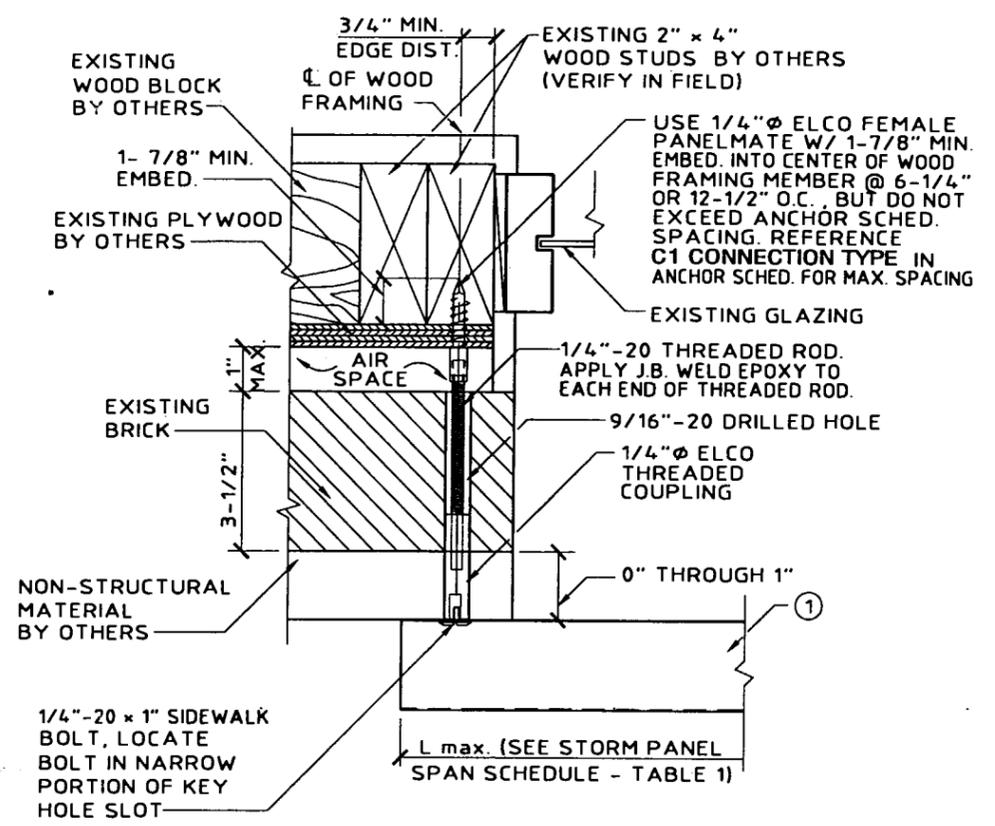
REVISIONS	
NO.	DESCRIPTION
1	09/25/00 AS GENERAL REVISION
2	02/21/01 JP GENERAL NOTES/DETAILS U & V

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

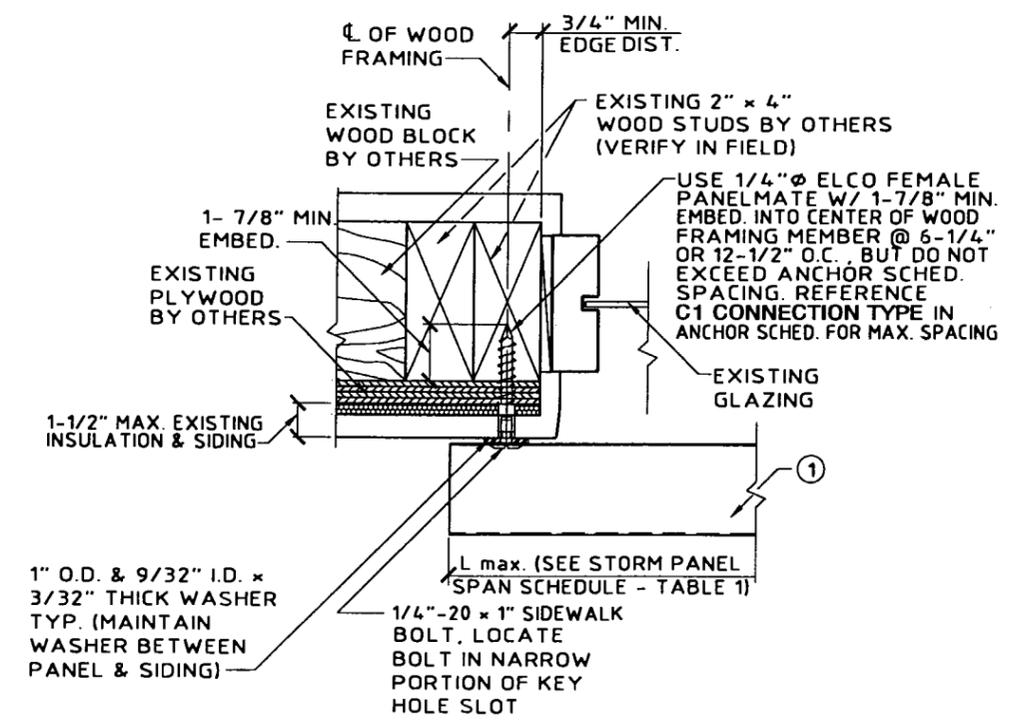
FEB 22 2001
date 06/21/00
scale AS NOTED drawn by AV
design by JP checked by VJK
drawing no. 99-336
sheet 3 of 6



U DIRECT MOUNT INTO WOOD WITH BRICK FACADE
SCALE: 3" = 1' - 0"



V DIRECT MOUNT INTO WOOD WITH BRICK FACADE
SCALE: 3" = 1' - 0"



W DIRECT MOUNT INTO WOOD SECTION
SCALE: 3" = 1' - 0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0806.03
Expiration Date 03/22/2004
By *Helmut A. Weber*
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *03/22/2001*
BY *Helmut A. Weber*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-072605*

KNEZEVICH & ASSOCIATES, INC.
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1280 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
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FAX (504) 734-5788

NO.	DATE	BY	DESCRIPTION
1	03/25/04	JP	GENERAL REVISION
2	10/27/01	JP	GENERAL NOTES/DETAILS U & V

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

FEB 22 2001

date 06/21/00
scale AS NOTED
design by JP
checked by VJK
drawing no. 99-336
sheet 4 of 6



TABLE 2	MINIMUM STORM PANEL SEPARATION FROM GLASS			
	POSITIVE DESIGN LOAD (W) (P.S.F.)	ACTUAL SPAN (L) (FT - IN)	COLUMN 1	COLUMN 2
			MIN. SEP. FOR ALL INSTALLATIONS LESS THAN 30' ABOVE GRADE (INCHES)	MIN. SEP. FOR ALL INSTALLATIONS GREATER THAN 30' ABOVE GRADE (INCHES)
30.0	6-0	3 1/2	1 1/2	
	8-8	3 1/2	1 7/8	
	11-1	3 1/2	3	
40.0	6-0	3 1/2	1 1/2	
	8-8	3 1/2	2 1/8	
	10-4	3 1/2	3	
50.0	6-0	3 1/2	1 1/2	
	8-8	3 1/2	2 3/8	
	9-9	3 1/2	3	
60.0	6-0	3 1/2	1 5/8	
	8-8	3 1/2	2 1/2	
	9-4	3 1/2	3	
70.0	6-0	3 1/2	1 5/8	
	8-8	3 1/2	2 3/4	
	8-9	3 1/2	2 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.

TABLE 1	MAX. ALLOWABLE STORM PANEL SPAN SCHEDULE	
	NEG. DESIGN LOAD (P.S.F.)	SPAN (FT - IN)
30.0	11-1	
35.0	10-8	
40.0	10-4	
45.0	10-0	
50.0	9-9	
55.0	9-6	
60.0	9-4	
62.0	9-3	
65.0	9-1	
70.0	8-9	
72.0	8-7	
75.0	8-3	
80.0	7-9	
90.0	6-10	
100.0	6-2	
110.0	5-7	
120.0	5-2	
130.0	4-9	
140.0	4-5	
150.0	4-1	
160.0	3-10	
170.0	3-7	
180.0	3-5	
190.0	3-3	
200.0	3-1	
210.0	2-11	
220.0	2-9	
230.0	2-8	

PRODUCT REVISED
 as complying with the Florida
 Bldg Code
 Acceptance No. 02-0806.03
 Expiration Date 03/22/2004
 By *Helmut A. Melzer*
 Miami Dade Product Control
 Division

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE 03/22/2001
 BY *Helmut A. Melzer*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0726.05

KNEZEVICH & ASSOCIATES, INC.
 CONSULTING ENGINEERS • PRODUCT TESTING
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NO.	DATE	BY	DESCRIPTION
1	02/25/00	JP	GENERAL REVISION
2	02/21/01	JP	GENERAL NOTES/DETAILS U & V

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

FEB 22 2001

Date: 06/21/00

Scale: AS NOTED Drawn by: AV

Design by: JP Checked by: VJK

Drawing No. **99-336**

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