



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**

**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 FAX (305) 375-2908**

[www.miamidade.gov](http://www.miamidade.gov)

**NOTICE OF ACCEPTANCE (NOA)**

**American Panel Corporation**  
**5800 S.E. 78<sup>th</sup> Street**  
**Ocala, Florida 34472**

**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: Walk-In Cooler / Freezer**

**APPROVAL DOCUMENT:** Drawing No. 06-541, titled "Walk-In Cooler / Freezer", sheets 1 through 5 of 5, prepared by Thornton Tomasetti, dated February 15, 2007, last revision #1 dated July 17, 2007, signed and sealed by J. W. Knezevich, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** Each unit 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 consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
 08/30/2007

**NOA No. 07-0301.04**  
**Expiration Date: 08/30/2012**  
**Approval Date: 08/30/2007**  
**Page 1**

**American Panel Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 06-541, titled "Walk-In Cooler / Freezer", sheets 1 through 5 of 5, prepared by Thornton Tomasetti, dated February 15, 2007, last revision #1 dated July 17, 2007, signed and sealed by J. W. Knezevich, P.E.*

**B. TESTS**

1. *Test report on Uniform Static air Pressure Test, Large Missile Impact Test, Cyclic Load Test, and Racking Load Test on Galvanized Steel Sheathed Polyurethane Foam Filled Modular Panel Walk-in Coolers / Freezers, prepared by Construction Testing Corporation, Report No. 06-018, dated 01/15/2007, signed and sealed by Yamil Kuri, P.E.*

**C. CALCULATIONS**

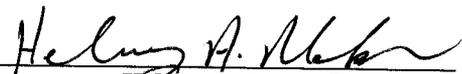
1. *Calculation titled "Walk-In Cooler/Freezer Calculations", dated February 15, 2007, sheets 1 through 22 of 22, prepared by Thornton Tomasetti, signed and sealed by J. W. Knezevich, P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *Tensile Test by Certified Testing Laboratories, Report # 198, dated 01/05/07, signed and sealed by Ramesh Patel, P.E.*



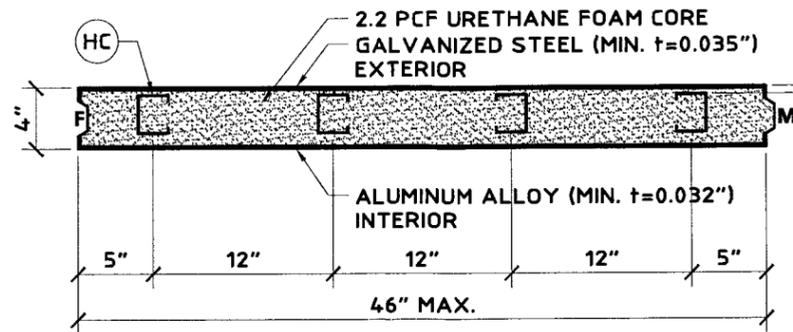
Helmy A. Makar, P.E., M.S.  
Product Control Examiner  
NOA No. 07-0301.04  
Expiration Date: 08/30/2012  
Approval Date: 08/30/2007

GENERAL NOTES:

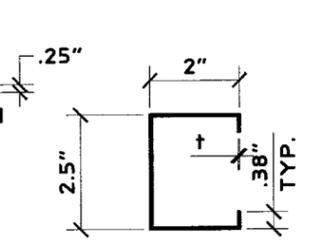
1. THESE APPROVAL DOCUMENTS REPRESENT A WALK-IN COOLER/FREEZER SYSTEM ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION. THESE DOCUMENTS COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PROVISIONS OF THE FLORIDA BUILDING CODE (FBC), 2004 EDITION.
2. FOR AREAS OUTSIDE OF THE HVHZ, SITE SPECIFIC ENGINEERING IS REQUIRED TO VERIFY THE SITE SPECIFIC DESIGN WIND LOADS AND PANEL TESTING COMPLY WITH THE TESTING REQUIREMENTS OF FBC SECTION 1714.3.1.
3. DESIGN LOADS:
  - A) ROOF:
    - DEAD LOAD: ROOF PANEL 5.00 PSF
    - LIVE LOAD: 30.0 PSF
    - MAXIMUM WEIGHT OF MECHANICAL UNIT IS 330 # PER CONDENSING UNIT. SPACE UNITS AT LEAST 4'-0" O.C.
  - B) WALLS:
    - DEAD LOAD: WALL PANEL 2.60 PSF
  - C) FLOOR:
    - DEAD LOAD: FLOOR PANEL 5.00 PSF
    - LIVE LOAD: INSULATED FLOOR 250.00 PSF
    - "FLOORLESS" 250.00 PSF
  - D) WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-02 BASED ON THE SITE SPECIFIC CONDITIONS. SEE TABLE 3 ON SHEET 2 FOR ALLOWABLE WIND LOADS USED IN THE DESIGN OF THESE DOCUMENTS.
4. THESE PRODUCT EVALUATION DOCUMENTS ARE GENERIC, THEY ADDRESS THE STRUCTURAL MATERIAL PROPERTIES, BUT DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THIS WALK-IN COOLER/FREEZER SYSTEM.
5. THESE PRODUCT EVALUATION DOCUMENTS SHALL NOT BE APPLIED BY THE CONTRACTOR, ON A SPECIFIC SITE WITHOUT THE INVOLVEMENT OF AN ARCHITECT OR ENGINEER OF RECORD.
  - A) THE ARCHITECT/ENGINEER OF RECORD SHALL VERIFY THE SITE SPECIFIC WIND LOAD REQUIREMENTS ARE WITHIN THE CRITERIA USED TO DEVELOP THESE DOCUMENTS.
  - B) THE ARCHITECT/ENGINEER OF RECORD SHALL VERIFY THE FOUNDATION DESIGN IS ADEQUATE TO RESIST THE FOUNDATION LOADS IDENTIFIED IN TABLE 1.
  - C) THE ARCHITECT/ENGINEER OF RECORD SHALL VERIFY THE EXISTING BUILDING IS ADEQUATE TO RESIST THE SUPERIMPOSED LOADS IDENTIFIED IN TABLE 1.
6. THESE PRODUCT EVALUATION DOCUMENTS COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
7. ANY MODIFICATIONS OR ADDITIONS TO THESE PRODUCT EVALUATION DOCUMENTS WILL VOID THE PRODUCT EVALUATION DOCUMENTS.
8. WHEN THE SITE CONDITIONS DEVIATE FROM THESE APPROVAL DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
  - A) REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS/HER APPROVAL.
  - B) REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION.
9. WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY OPTION "B", ABOVE, SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
10. ALL BOLTS AND SCREWS SHALL BE 2024-T4 ALUMINUM ALLOY, ELECTRO-GALVANIZED STEEL, HOT DIPPED GALVANIZED STEEL OR 300 SERIES STAINLESS STEEL WITH A MIN. TENSILE STRENGTH OF 60 KSI.
11. ALL CONCRETE ANCHORS SHALL BE AS SPECIFIED ON THE DRAWINGS. EMBEDMENT LENGTHS NOTED ON THE DRAWINGS SHALL NOT INCLUDE FINISH MATERIAL.
12. DISSIMILAR METALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC CHAPTER 20, SECTION 2003.8.4.
13. AN ALLOWABLE STRESS INCREASE IS NOT USED IN THE DESIGN OF THE COOLER/FREEZER UNIT NOR ITS ATTACHMENTS.

RIGID URETHANE FOAM SANDWICH PANEL SPECIFICATIONS

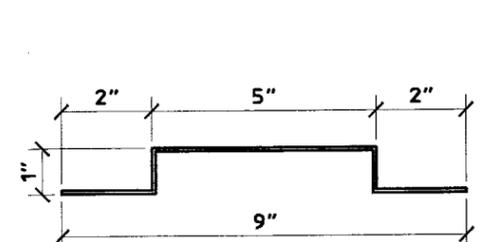
1. WALL & ROOF COMPOSITE SANDWICH PANELS ARE COMPRISED OF ALUMINUM OR STEEL FACINGS WITH Poured URETHANE PLASTIC CORES. THICKNESS AND MATERIAL OF FACINGS SHALL BE AS SHOWN ON THE DRAWINGS.
2. ALUMINUM FACINGS ON WALL AND ROOF PANELS SHALL BE 3105-H254 ALLOY (MIN. Fy=26.7 KSI) FOR INTERIOR AND EXTERIOR USE.
3. ALUMINUM FACINGS ON FLOOR PANEL SHALL BE 5052-H34 ALLOY WITH A MINIMUM Fy=30.8 KSI FOR INTERIOR USE.
4. STEEL FACINGS USED ON ROOF PANELS SHALL COMPLY WITH ONE OF THE FOLLOWING:
  - ASTM A 653 CS, TYPE B WITH A MIN. Fy=48 KSI, MIN. THICKNESS OF 0.035" AND G 90 COATING.
  - ASTM A 653 SQ, GRADE 50, CLASS 1, WITH A MIN. THICKNESS OF 0.035" AND G 90 COATING.
5. STEEL FACINGS USED ON FLOOR PANELS SHALL BE SQ, GRADE 33 WITH A MINIMUM THICKNESS OF 0.019" AND A G 90 COATING FOR EXTERIOR USE.
6. MINIMUM DENSITY OF URETHANE PANEL CORE SHALL BE 2.2 PCF.
7. URETHANE FOAM CORE SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 75 AND SHALL HAVE A SMOKE-DEVELOPED RATING OF NOT MORE THAN 450 IN ACCORDANCE WITH FBC 2603.3.
8. METAL FACINGS SHALL BE ADHERED TO FOAM WITH AN AIR SPRAY COATING OF UPACO # 1882 (3001881H) ADHESIVE AT A RATE OF 0.147 FLUID OUNCES PER SQUARE FOOT.
9. FOR SPECIFIC REQUIREMENTS OF WALK-IN COOLERS SEE FBC 2603.5.1.2 AND 2603.5.1.3.



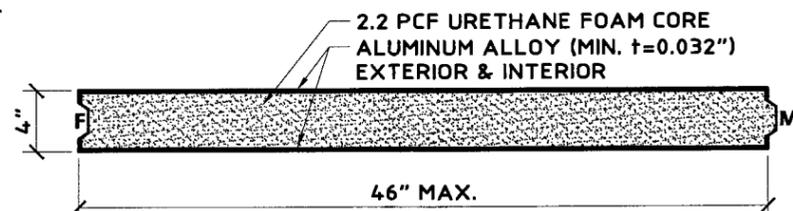
RP1 ROOF PANEL SCALE: 1" = 1'-0"



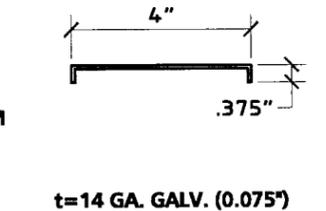
HC STRUCTURAL SUPPORT "HAT" CHANNEL (STEEL) SCALE: 3" = 1'-0"



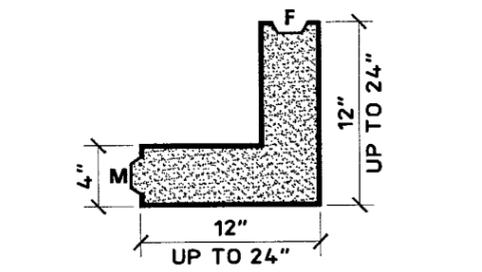
RC STRUCTURAL SUPPORT DOOR PANEL REINF. CHANNEL SCALE: 3" = 1'-0"



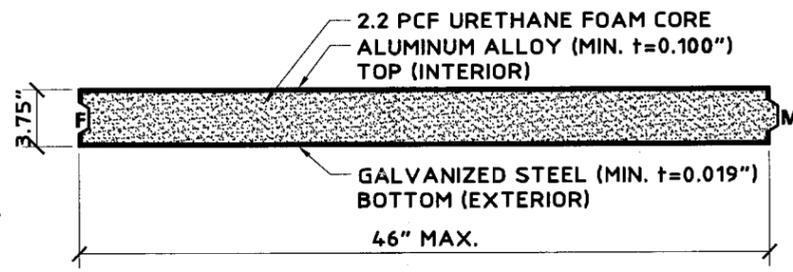
WP WALL PANEL SCALE: 1" = 1'-0"



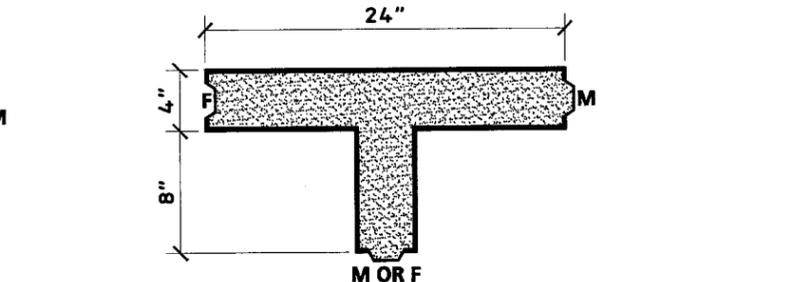
DC STRUCTURAL SUPPORT DOOR CHANNEL (STEEL) SCALE: 3" = 1'-0"



WC WALL PANEL (CORNER SECTION) SCALE: 1" = 1'-0"



FP FLOOR PANEL SCALE: 1" = 1'-0"



WT WALL PANEL (TEE SECTION) SCALE: 1" = 1'-0"

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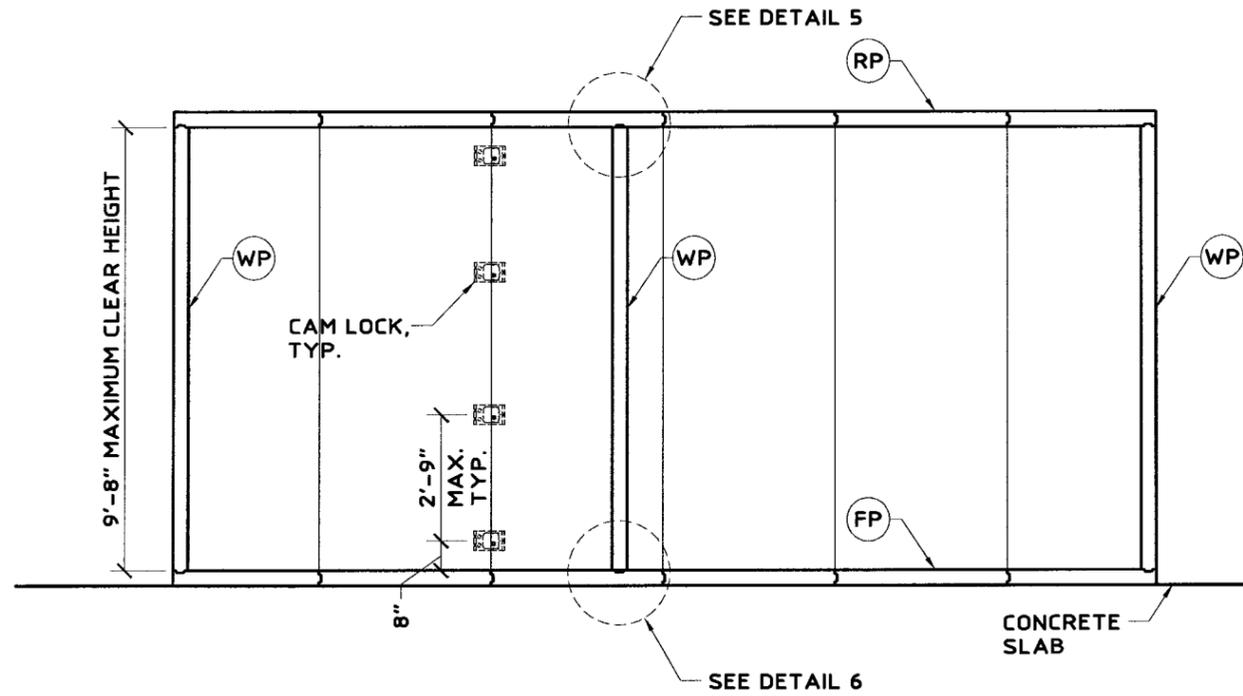
J.W. Knezevich  
 Professional Engineer  
 FL License No.: FF 0041961

*[Signature]*  
 JUL 27 2007

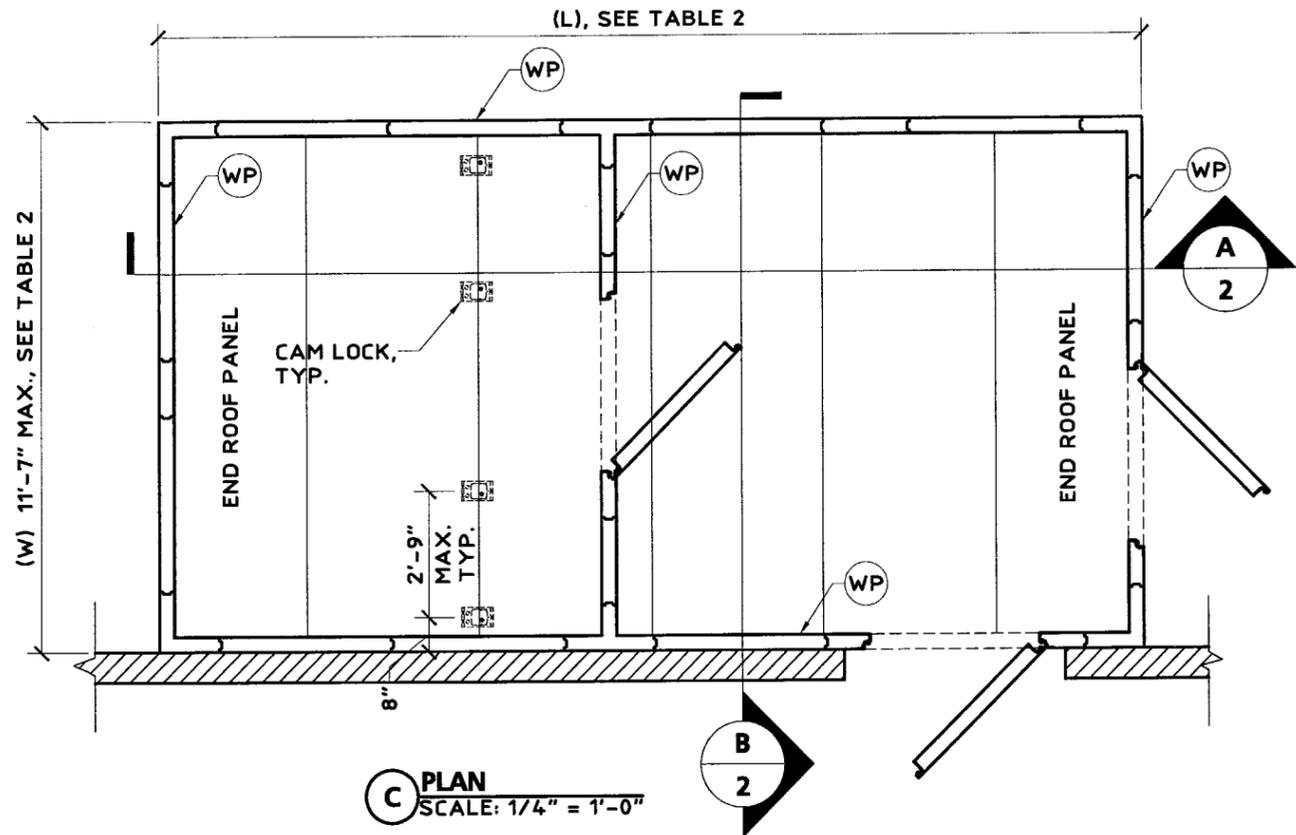
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Approved as complying with the Florida Building Code  
 Date 08/30/2007  
 NOA# 07-0381-04  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

date 02/15/2007  
 scale AS NOTED drawn by MCR  
 design by TLF checked by JWK  
 drawing no. 06-541  
 sheet 1 of 5



**A SECTION (TYP.)**  
SCALE: 1/4" = 1'-0"



**C PLAN**  
SCALE: 1/4" = 1'-0"

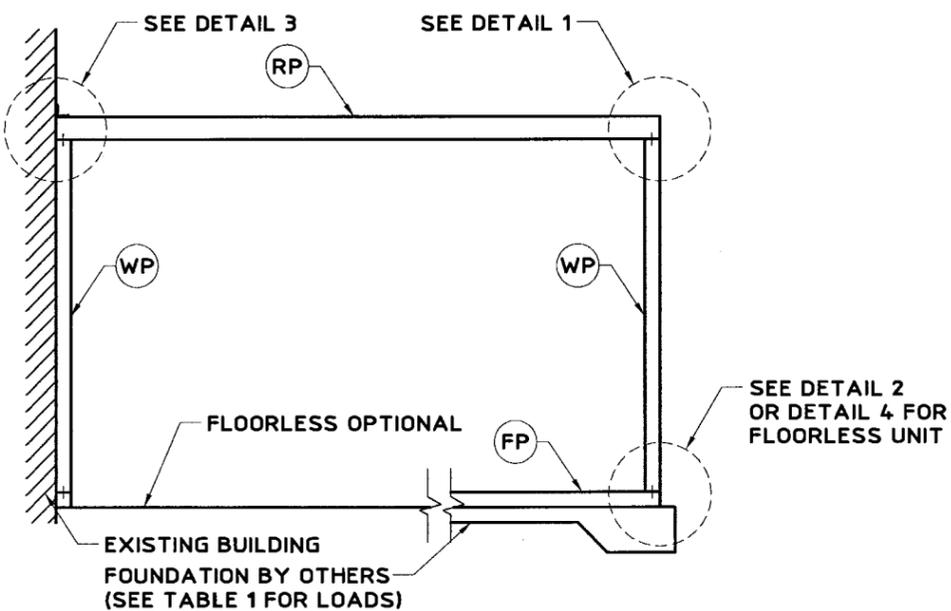
TABLE 1	LOADS FOR FOUNDATION DESIGN	UNFACTORED WIND UPLIFT ( $P_v$ ) AND SHEAR ( $P_H$ ) FORCES
	$P_v$	$\pm 860 \# / FT$
	$P_H$	$\pm 250 \# / FT$

TABLE 2	UNIT WIDTH (W) FT - IN	UNIT LENGTH (L) MINIMUM NUMBER OF 46" PANELS ON EXTERIOR WALL FOR A GIVEN UNIT WIDTH (W) FT - IN
	$\leq 9'-0"$	2
	$9'-0" < W \leq 10'-9"$	3
	$10'-9" < W \leq 11'-7"$	4

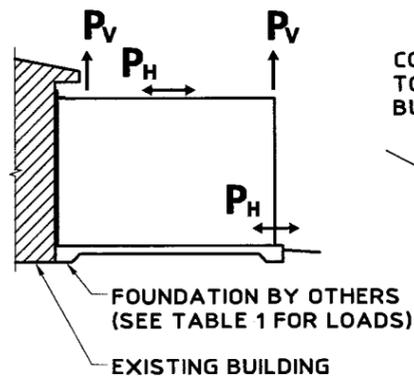
TABLE 3	ALLOWABLE WIND LOADS (PSF)				
	ROOF MAX. LENGTH 11'-7"			WALL MAX. HEIGHT 9'-8"	
ZONES	1	2	3	4	5
NEGATIVE	-44.0	-60.7	-75.5	-43.0	-50.5
POSITIVE	+16.4			+39.4	

**ALLOWABLE WIND LOADS NOTES:**

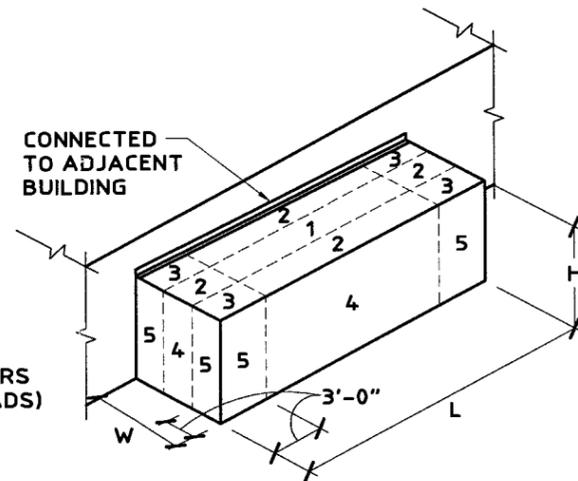
- LOADS SHOWN REPRESENT WIND LOADS USED IN THE DESIGN OF THE UNIT.
- SITE SPECIFIC WIND LOADS SHALL BE LESS THAN OR EQUAL TO THESE LOADS. SEE SHEET 1, GENERAL NOTE 5A.
- ALLOWABLE WIND LOADS ARE BASED ON A FACTOR OF SAFETY OF 2.0 FOR ROOF PANELS AND 1.5 FOR WALL PANELS IN ACCORDANCE WITH THE HVHZ PROVISIONS OF THE FBC.



**B SECTION (TYP.)**  
SCALE: 1/4" = 1'-0"



**D ELEVATION**  
N.T.S.



(SEE TABLE 2 FOR WIDTH/LENGTH LIMITATION)

**E ISOMETRIC WITH WIND ZONES**  
N.T.S.

Approved as complying with the Florida Building Code  
Date: 08/30/2007  
NOA# 07-0301-04  
Miami Code Product Control  
Division  
By: *Helmut A. Nelson*

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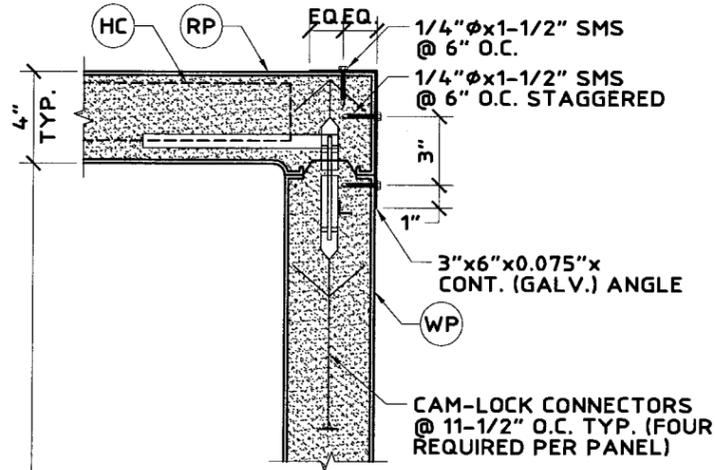
J.W. Knezevich  
Professional Engineer  
FL License No.: PE 0041961

*[Signature]*  
JUL 27 2007

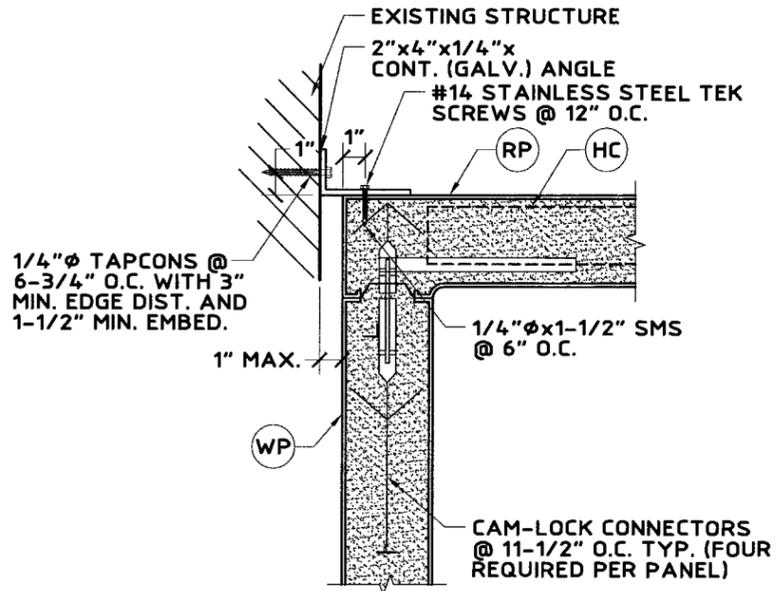
REVISIONS	description	date	by
1	COUNTY COMMENTS	07/17/2007	TLF

date: 02/15/2007  
scale: AS NOTED  
design by: TLF  
checked by: JWK  
drawn by: MCR

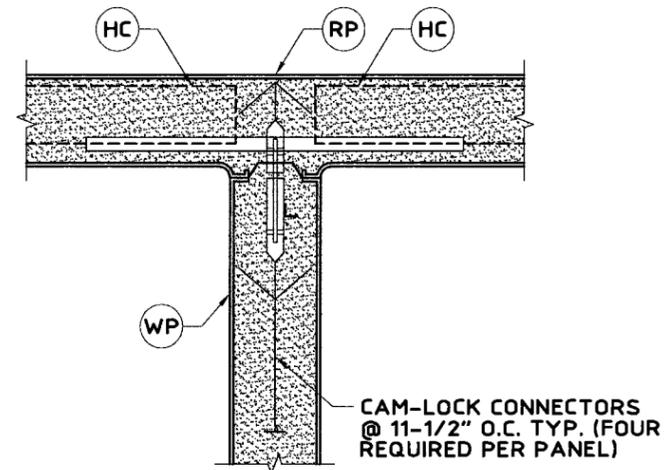
drawing no.: 06-541  
sheet 2 of 5



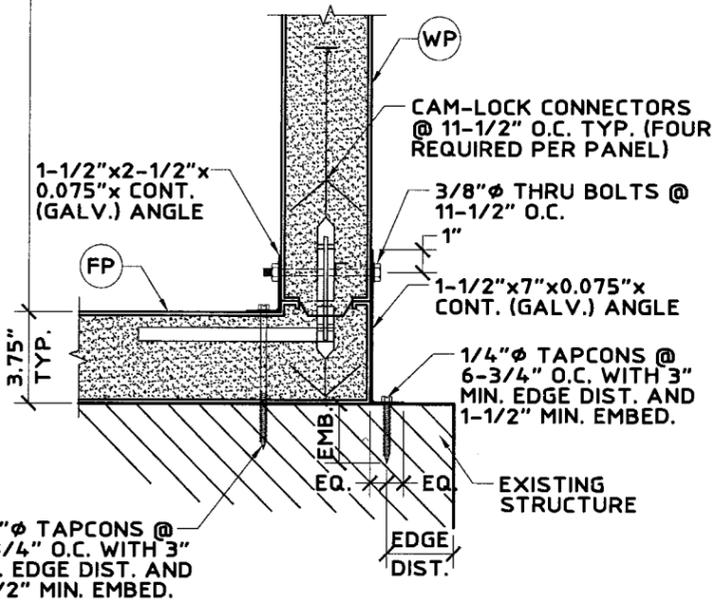
1 DETAIL 1  
SCALE: 1-1/2" = 1'-0"



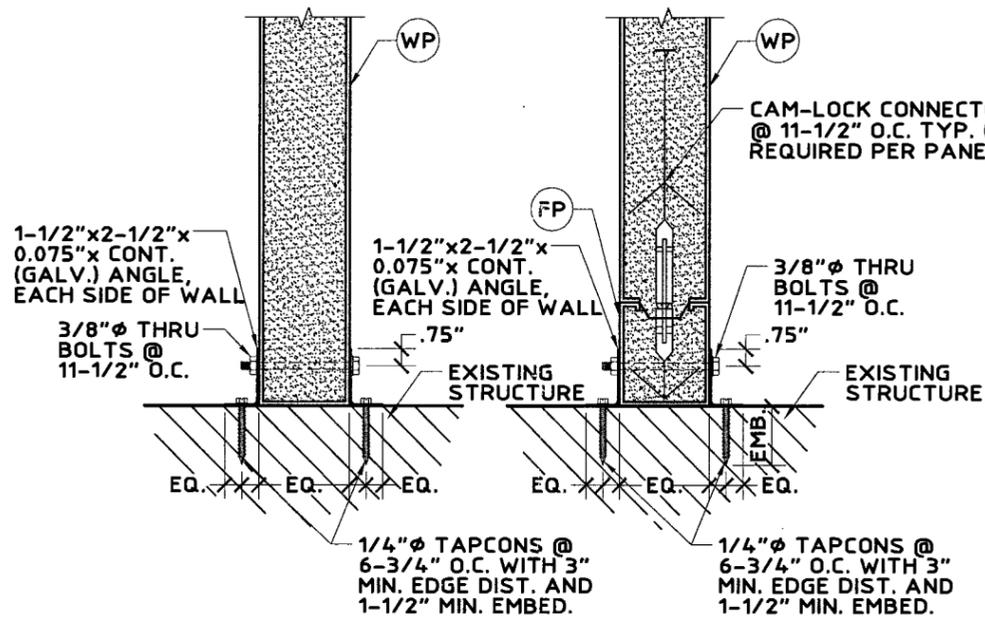
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3 DETAIL 3  
SCALE: 1-1/2" = 1'-0"

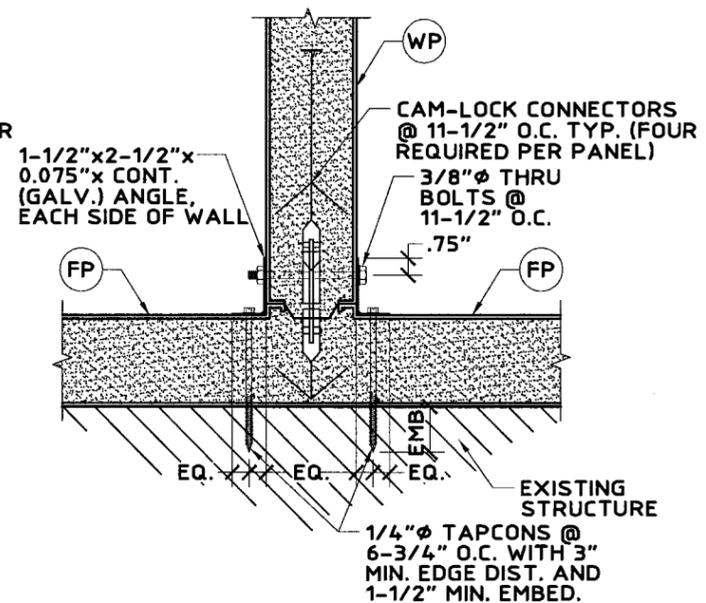


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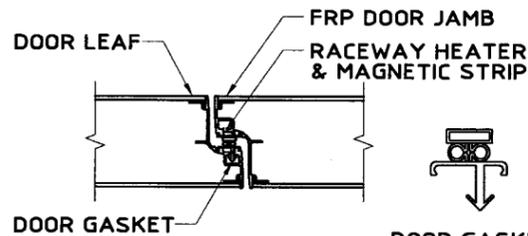


5 DETAIL 5  
SCALE: 1-1/2" = 1'-0"

5A DETAIL 5A  
SCALE: 1-1/2" = 1'-0"



6 DETAIL 6  
SCALE: 1-1/2" = 1'-0"



7 DETAIL 7  
SCALE: 1-1/2" = 1'-0"



Approved as complying with the  
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 Date 08/30/2007  
 NOA# 07-0301-04  
 Miami Code Product Control  
 By Helmut A. Albin

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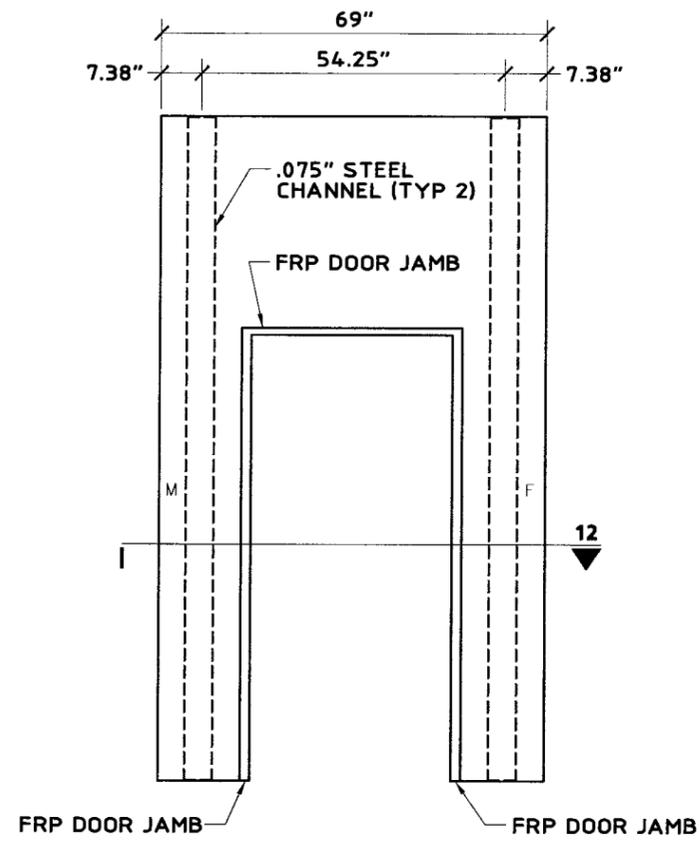
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**American Panel**

J.W. Knezevich  
 Professional Engineer  
 FL License No.: PE 0041961

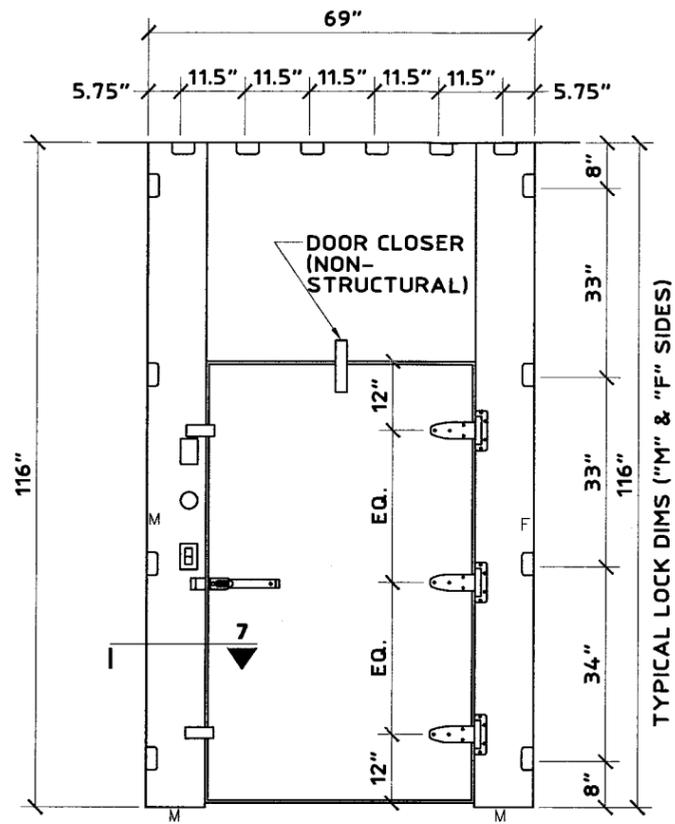
JWB  
 JUL 17 2007

NO	DATE	BY	DESCRIPTION

date 02/15/2007  
 scale AS NOTED drawn by MCR  
 design by TLF checked by JWK  
 drawing no. 06-541  
 sheet 3 of 5

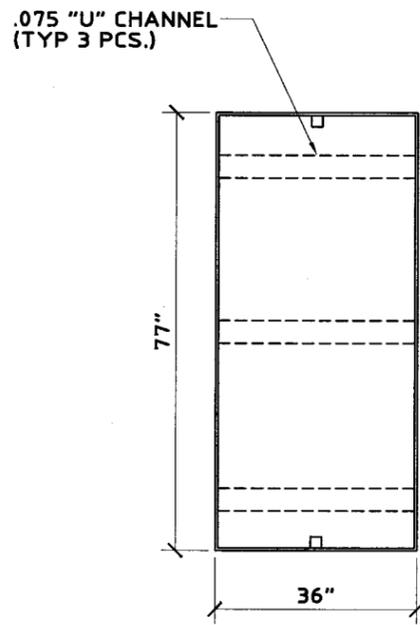


**8 DOOR PANEL WITH REINFORCEMENT**  
SCALE: 3/8" = 1'-0"

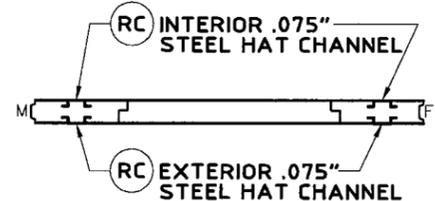


**9 DOOR ELEVATION (EXPOSED TO EXTERIOR)**  
SCALE: 3/8" = 1'-0"

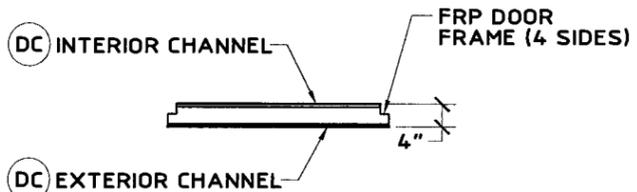
**10 NOT USED**



**11 DOOR LEAF SHOWING EXTERIOR CHANNEL REINFORCEMENT**  
SCALE: 3/8" = 1'-0"



**12 SECTION THRU DOOR PANEL**  
SCALE: 3/8" = 1'-0"



**13 SECTION THRU DOOR**  
SCALE: 3/8" = 1'-0"

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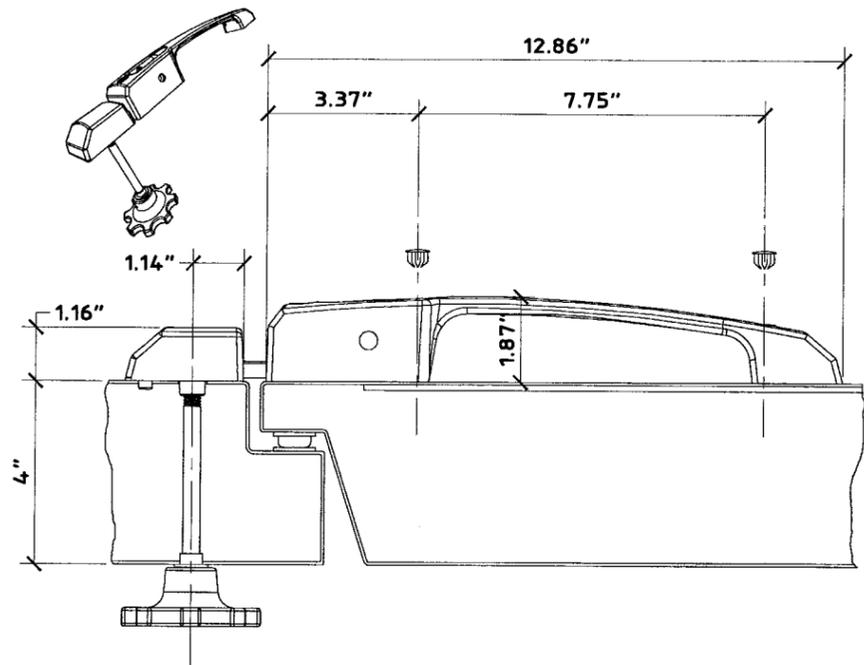
J.W. Knezevich  
Professional Engineer  
FL License No.: PE 0041961

*[Signature]*  
JUL 17 2007

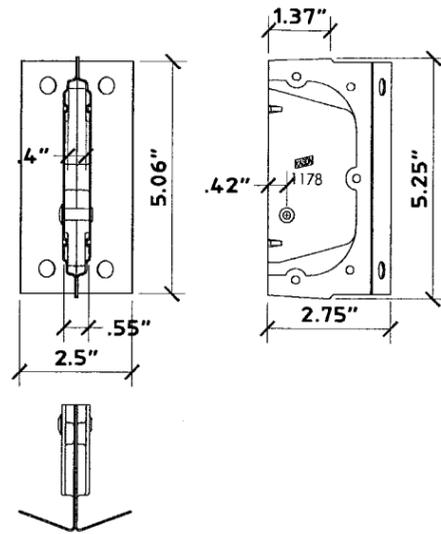
revisions	
no.	description
1	07/17/2007 TLF COUNTY COMMENTS

Approved as complying with the Florida Building Code  
Date: 08/30/2007  
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Miami Dade Product Control  
Division  
By: *[Signature]*

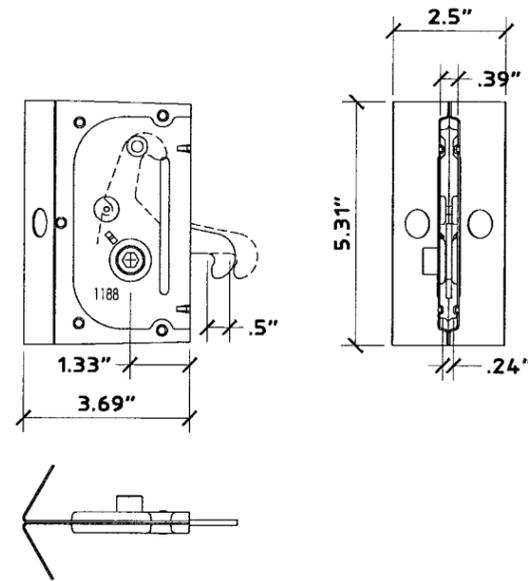
date	02/15/2007
scale	AS NOTED
design by	TLF
checked by	JWK
drawing no.	06-541
sheet	4 of 5



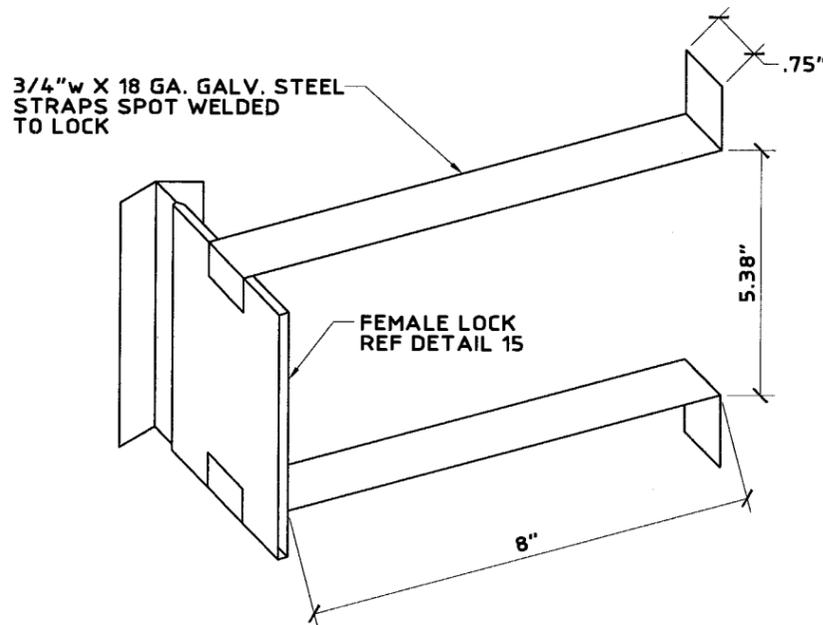
14 DOOR LATCH (KASON MODEL #27C)  
N.T.S.



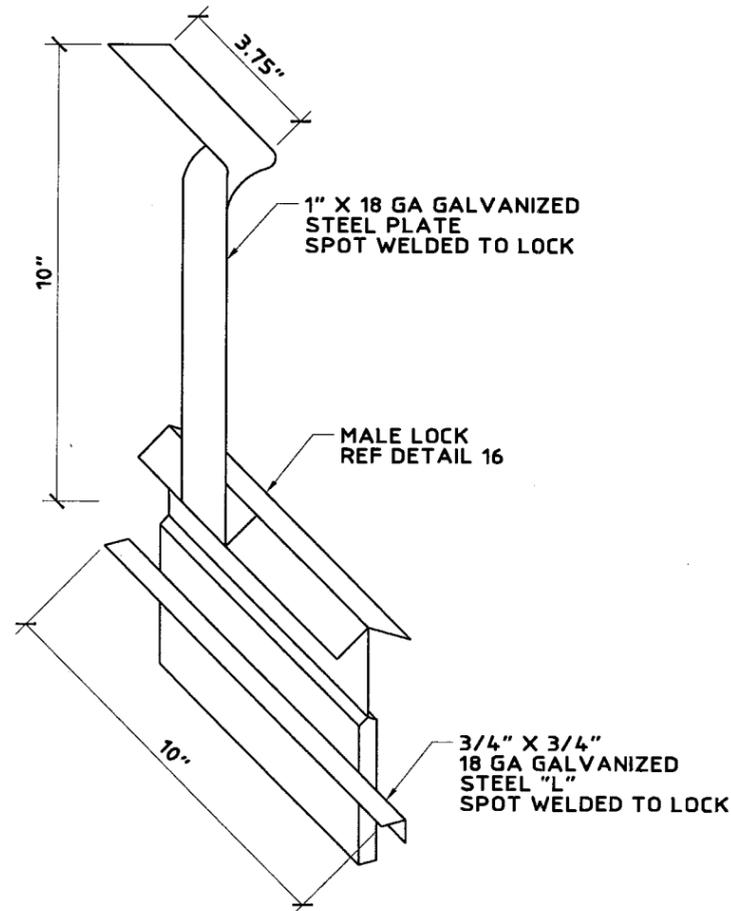
15 FEMALE CAM LOCK (KASON MODEL #1178P)  
N.T.S.



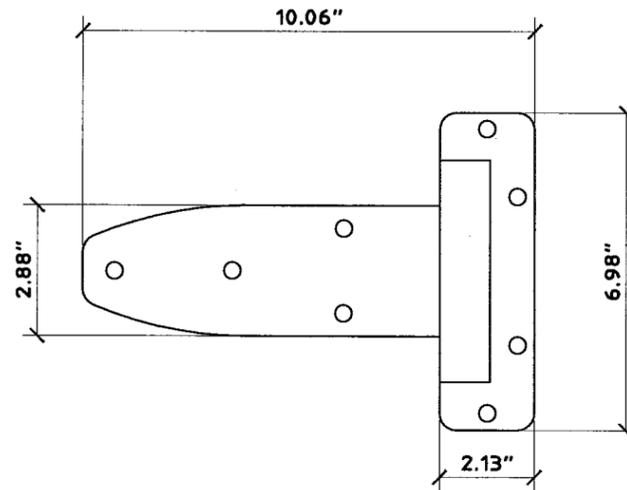
16 MALE CAM LOCK (KASON MODEL #1168P)  
N.T.S.



17 FEMALE STRIKE W/STRAP  
N.T.S.



18 MALE LOCK W/STRAP & ANGLE  
N.T.S.



19 DOOR HINGE (DENT MODEL # D69B)  
N.T.S.

Approved as complying with the  
Florida Building Code  
Date: 08/30/2007  
NOA# 07-0301.04  
Miami Dade Product Control  
Division  
By: *Helmut A. Knezevich*

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WALK-IN COOLER / FREEZER

American Panel Corporation

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Ocala, FL 34472  
Tel: (352) 245-7055  
Fax: (352) 245-0726

American Panel

J.W. Knezevich  
Professional Engineer  
FL License No.: PE 0041961

*JWK*  
JUL 17 2007

no	date	by	description
1	07/17/2007	TLF	COUNTY COMMENTS

date 02/15/2007  
scale AS NOTED  
design by TLF  
drawn by MCR  
checked by JWK

drawing no. 06-541  
sheet 5 of 5