



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

Nor-Lake, Incorporated
P.O. Box 22ns & Elm Streets
Hudson ,WI 54016

Your application for Notice of Acceptance (NOA) of:

Walk-In Coolers and Freezers

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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-1212.01
EXPIRES: 05/10/2006

**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: 05/10/2001

Nor-Lake, Incorporated

ACCEPTANCE NO. : 00-1212.01

APPROVED : 05/10/2001

EXPIRES : 05/10/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This approves a Metal Sheathed Urethane Foam Filled Modular Panel for Walk-in Coolers/Freezers, 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 Metal Sheathed Urethane Foam Filled Modular Panel for Walk-in Cooler/Freezer and its components shall be constructed in strict compliance with the following documents: Drawing No. 00-094, titled "Walk-in Cooler/Freezer", prepared by Knezevich & Associates, Inc., dated December 7, 2000, last revision #3 dated April 19, 2001, 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 must be protected against corrosion, contamination and damage at all times.

4. INSTALLATION

This Metal Sheathed Urethane Foam Filled Modular Panel for Walk-in Cooler/Freezer must be installed in strict compliance with the approved drawings.

5. 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".

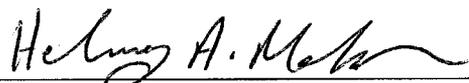
6. BUILDING PERMIT REQUIREMENTS

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 indicated 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

Nor-Lake, Incorporated

ACCEPTANCE NO. : 00-1212.01

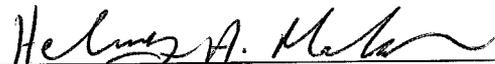
APPROVED : 05/10/2001

EXPIRES : 05/10/2006

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 documentation, 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 purpose.
6. The Notice of Acceptance number preceded by the words 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 Acceptance consists of pages 1, 2, and this last page 3.

END OF THIS ACCEPTANCE



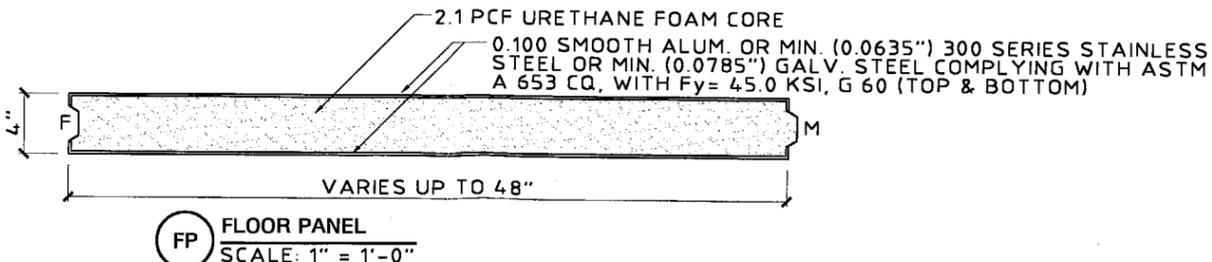
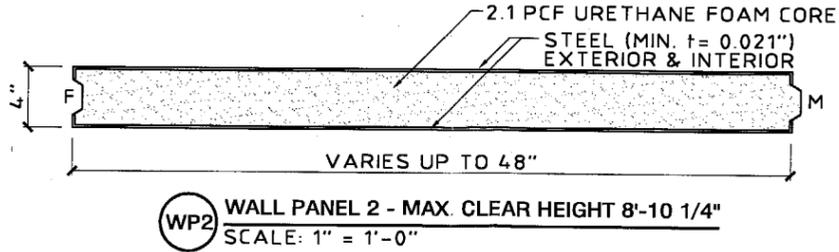
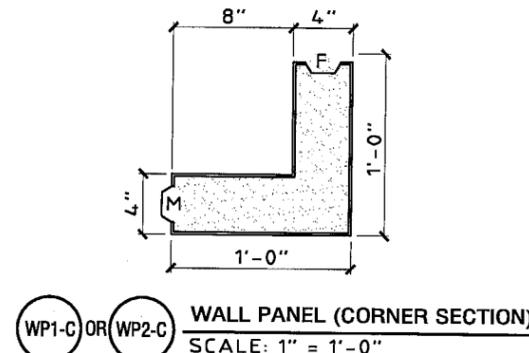
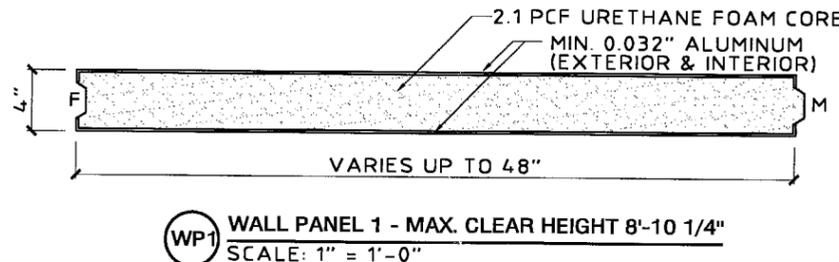
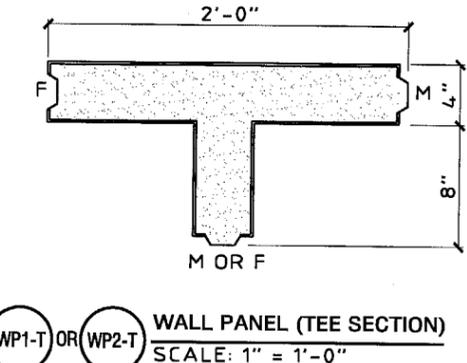
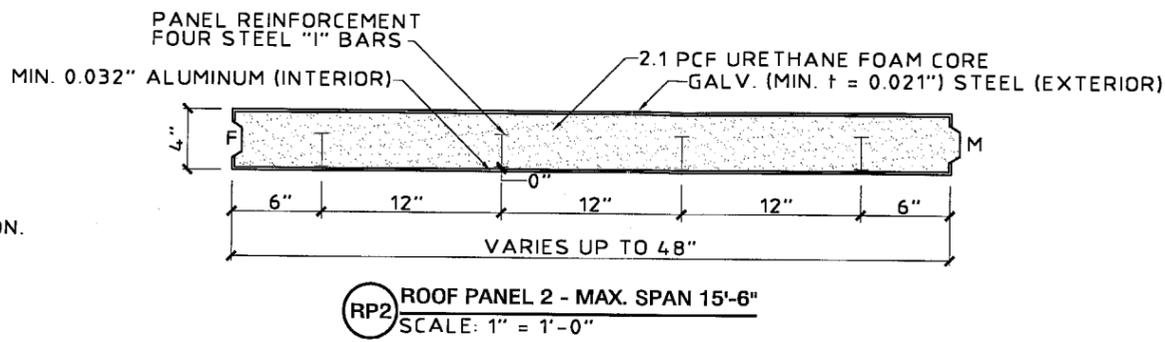
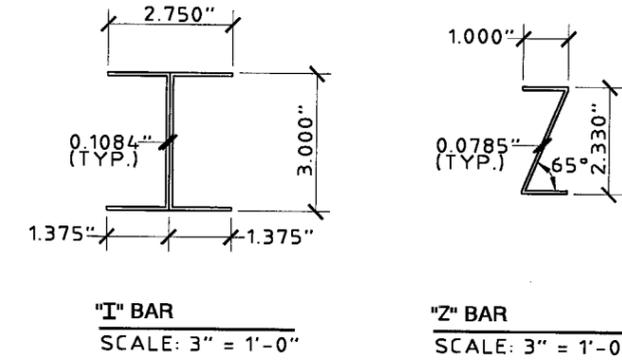
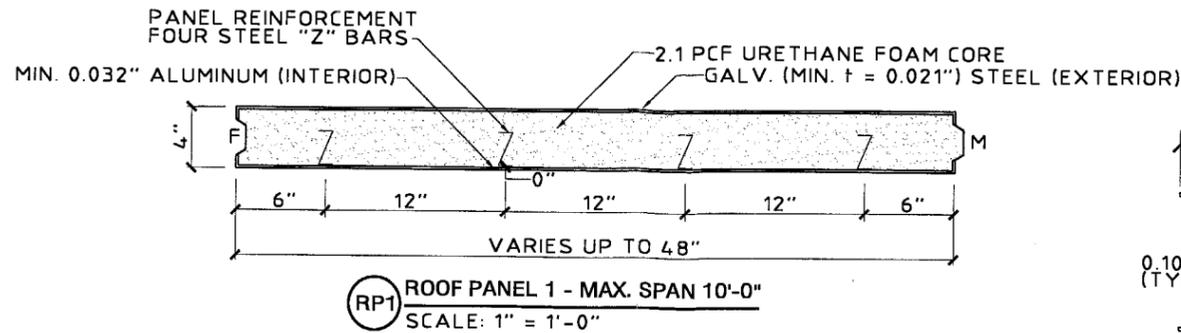
Helmy A. Makar, P.E. - Product Control Examiner
Product Control Division

GENERAL NOTES:

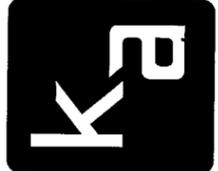
- THIS WALK-IN COOLER/FREEZER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) 1994 EDITION.
- DESIGN IS BASED ON TESTING IN ACCORDANCE WITH MIAMI-DADE COUNTY REQUIREMENTS, INCLUDING LARGE MISSILE IMPACT REQUIREMENTS. DESIGN IS BASED ON THE FOLLOWING TEST REPORT. CTC REPORT NUMBER 00-027.
- DESIGN LOADS:
 - ROOF:
 - DEAD LOAD - PANEL TYPE 1 3.00 P.S.F.
PANEL TYPE 2 5.33 P.S.F.
 - LIVE LOAD 30 P.S.F.
 - MAXIMUM WEIGHT OF MECHANICAL EQUIPMENT IS 330 # PER CONDENSING UNIT. SPACE UNITS AT LEAST 4'-0" O.C.
 - WALLS:
 - DEAD LOAD - PANEL TYPE 1 1.60 P.S.F.
PANEL TYPE 2 2.10 P.S.F.
 - FLOOR:
 - DEAD LOAD: FLOOR PANEL 5.0 PSF
 - LIVE LOAD - INSULATED FLOOR 250 P.S.F.
- "FLOORLESS" 250 P.S.F.
 - WIND FORCES ARE IN ACCORDANCE WITH ASCE 7-88 WITH A BASIC WIND VELOCITY OF 110 MPH AND 1.05 IMPORTANCE FACTOR, AND EXPOSURE "C" INSTALLATION.
- DEFLECTIONS:
 - ROOF L/240
 - WALL L/180
 - FLOOR L/360
- 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.
- ALL CONCRETE ANCHORS SHALL BE AS SPECIFIED ON THE DRAWINGS EMBEDMENT LENGTHS NOTED ON THE DRAWINGS SHALL NOT INCLUDE FINISH MATERIAL.
- DISSIMILAR METALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED IN ACCORDANCE WITH THE S.B.F.C. CHAPTER 30, SECTION 3004.4.

RIGID URETHANE FOAM SANDWICH PANEL SPECIFICATIONS

- 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.
- ALUMINUM FACINGS SHALL BE 3003-H14 ALLOY FOR INTERIOR AND EXTERIOR USE.
- STEEL FACINGS USED ON WALL PANELS SHALL COMPLY WITH ASTM A 875 CQ WITH A MIN. $F_y = 31.0$ ksi, MIN. THICKNESS OF 0.021" AND A GF45 COATING.
- STEEL FACINGS USED ON ROOF PANELS, TOP SIDE, SHALL COMPLY WITH ONE OF THE FOLLOWING:
 - ASTM A 653 CQ WITH A MIN. $F_y = 45$ ksi, MIN. THICKNESS OF 0.021" AND G 90 COATING.
 - ASTM A 653 SQ WITH A MIN. $F_y = 45$ ksi, MIN. THICKNESS OF 0.021" AND G 90 COATING.
- MINIMAL DENSITY OF URETHANE PANEL CORE SHALL BE 2.1 P.C.F.
- 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 S.F.B.C. 3505.3 (a) (1).
- METAL FACINGS SHALL BE ADHERED TO FOAM WITH AN AIR SPRAY COATING OF 3M FAST BOND TM 5 GREEN ADHESIVE AT A RATE OF 0.147 FLUID OUNCES PER SQUARE FOOT.
- FOR SPECIFIC REQUIREMENTS OF WALK-IN COOLERS SEE S.F.B.C. 3505.3 (b)(2).



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 05/10/2001
BY *Helmut A. Meier*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1212-01



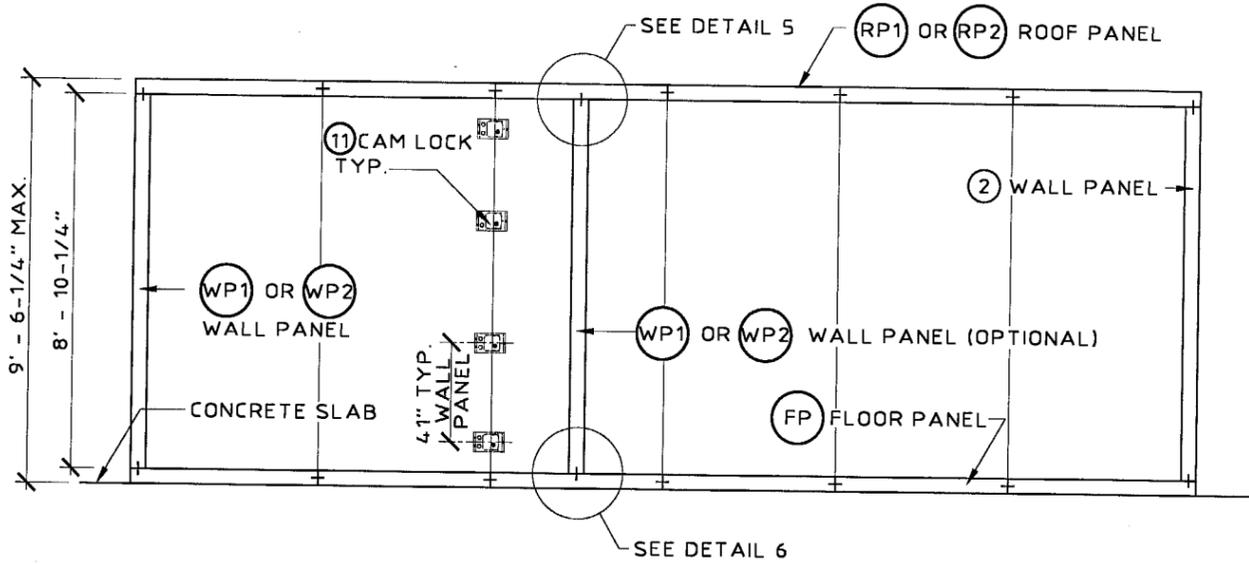
KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2889 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
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WALK-IN COOLER/FREEZER
NORLAKE NORLAKE, INCORPORATED
727 Second Street
P.O. Box 248
Hudson, WI 54016-0248
TEL: (715) 386-2323
FAX: (715) 386-6149
WWW.NORLAKE.COM

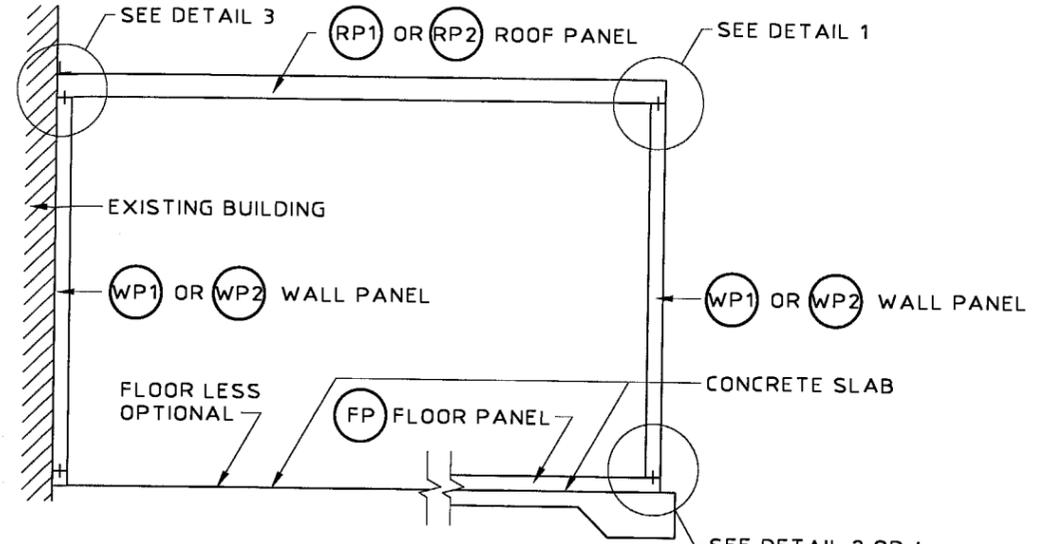
REVISIONS	
NO.	DESCRIPTION
1	03/13/01 ZS BCCD COMMENTS
2	04/03/01 ZS BCCD COMMENTS
3	04/19/01 ZS BCCD COMMENTS

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No:
PE 0070983

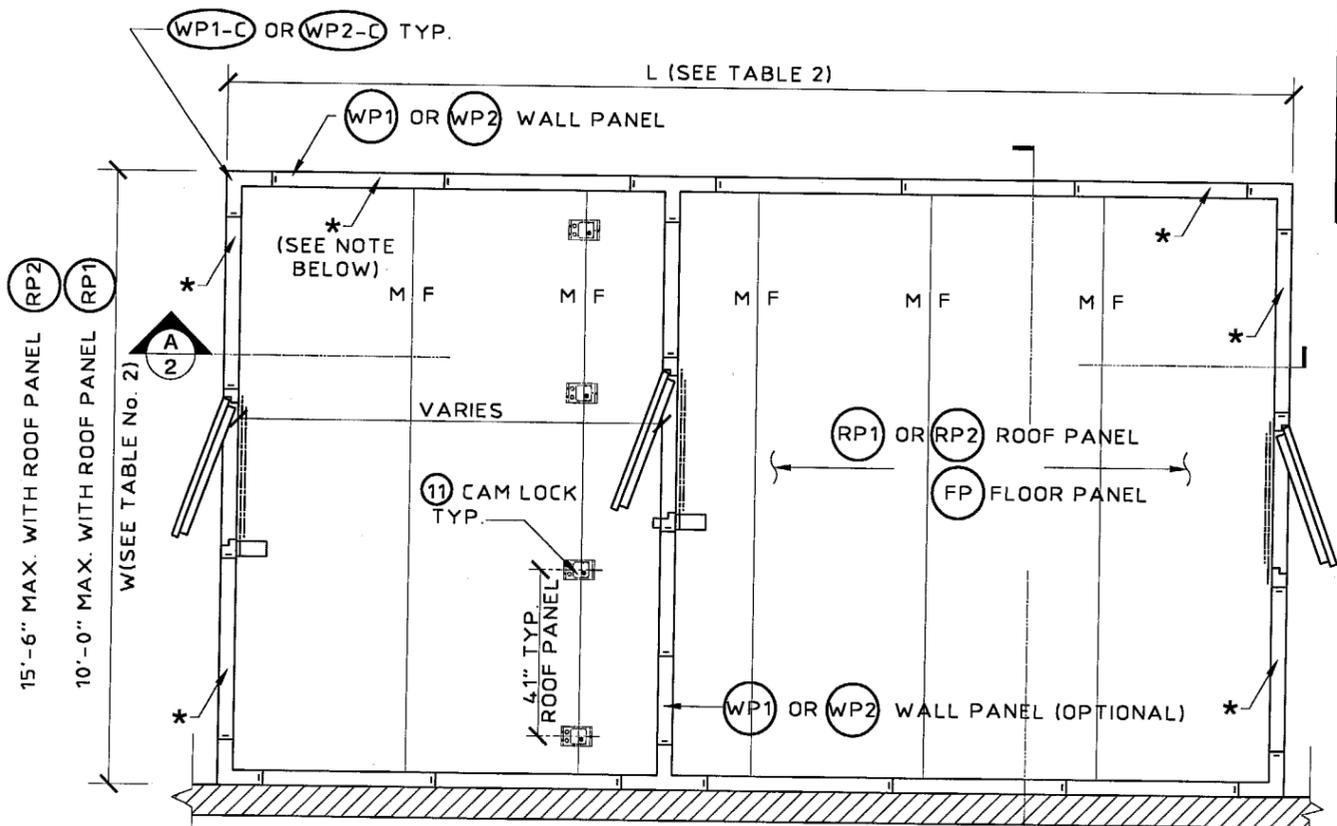
APR 19 2001
date 12/07/00
Scale AS NOTED drawn by AV
design by ZS checked by VJK
drawing no. 00-094
sheet 1 of 5



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



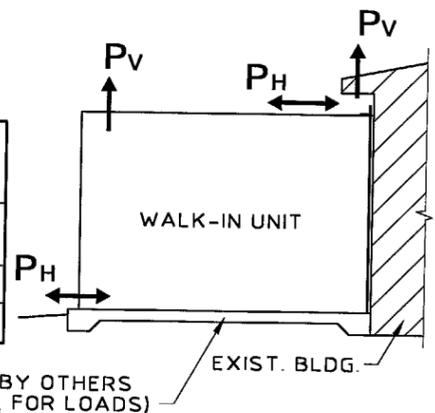
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(C) PLAN
SCALE: 1/4" = 1'-0"

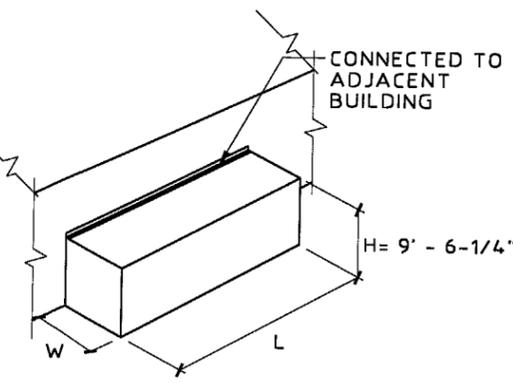
*NOTE: FIRST PANEL ADJACENT TO CORNER PANEL SHALL BE 48" IN WIDTH.

TABLE 1 LOADS FOR FOUNDATION DESIGN	NET WIND UPLIFT (P _v) AND SHEAR (P _h) FORCES WITH TYPE OF ROOF PANEL USED	
	ROOF PANEL (RP1) MAXIMUM SPAN 10'-0"	ROOF PANEL (RP2) MAXIMUM SPAN 15'-6"
P _v	-130 # / FT	-193 # / FT
P _h	± 257 # / FT	± 257 # / FT

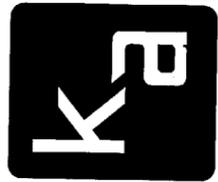


(D) ELEVATION
NTS

TABLE	UNIT WIDTH (W) FT - IN	MINIMUM UNIT LENGTH (L) FOR A GIVEN UNIT WITH (W) FT - IN
1	7' - 0" UP TO 8' - 6"	12' - 0"
2	9' - 0" UP TO 11' - 0"	16' - 0"
	11' - 6" UP TO 13' - 6"	20' - 0"
	14' - 0" UP TO 15' - 6"	24' - 0"



SEE TABLE 2 FOR WIDTH/LENGTH LIMITATION



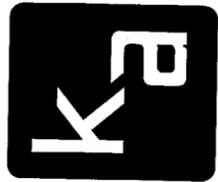
KNEZEVICH & ASSOCIATES, INC.
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REV. NO.	DATE	BY	DESCRIPTION
1	03/13/01	ZS	BCCO COMMENTS
2	04/03/01	ZS	BCCO COMMENTS
3	04/19/01	ZS	BCCO COMMENTS

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

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE 05/10/2001
By *Heung H. Mark*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1212-01
APR 19 2001
scale AS NOTED drawn by AV
design by ZS checked by VJK
drawing no. 00-094
sheet 2 of 5



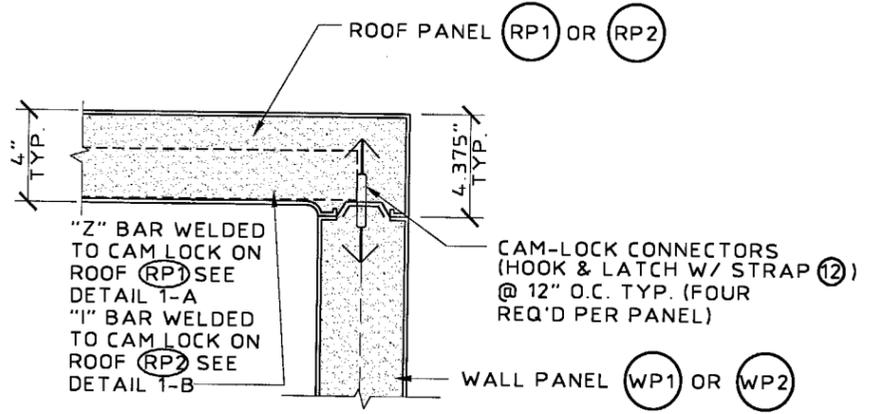
KNEZEVICH & ASSOCIATES, INC.
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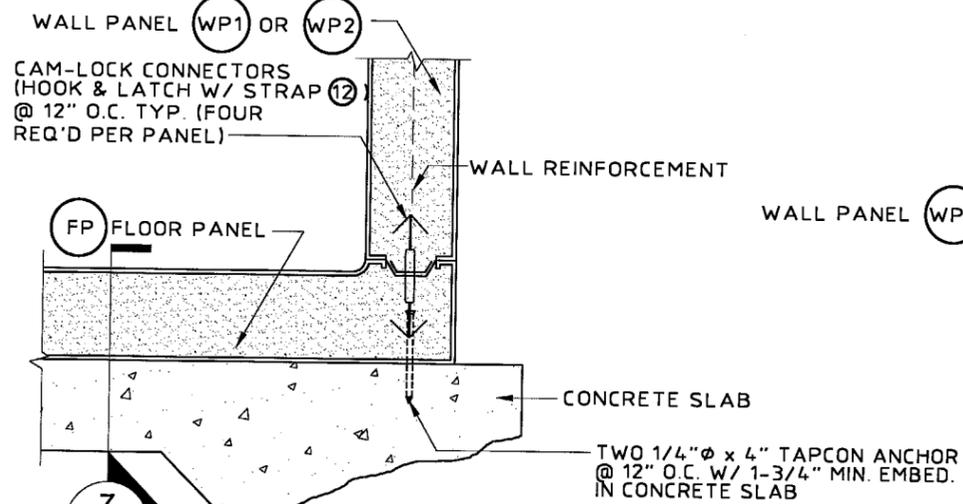
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no.	description
1	03/13/01
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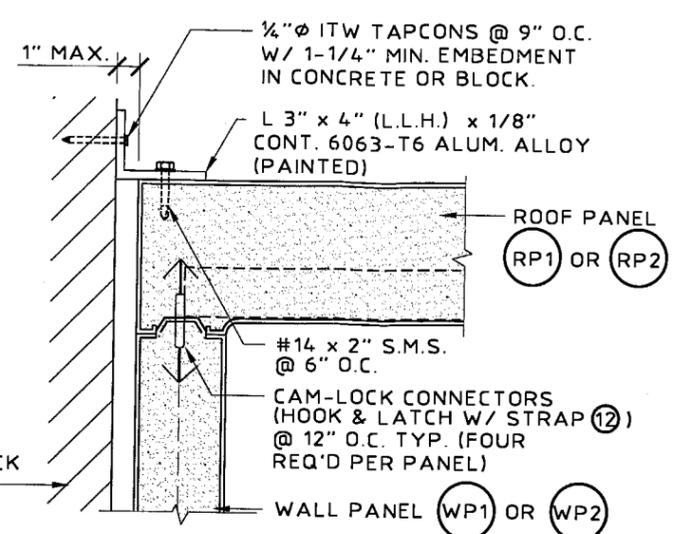
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 date 12/07/00
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 design by ZS checked by VJK
 drawing no.
00-094
 sheet 3 of 5



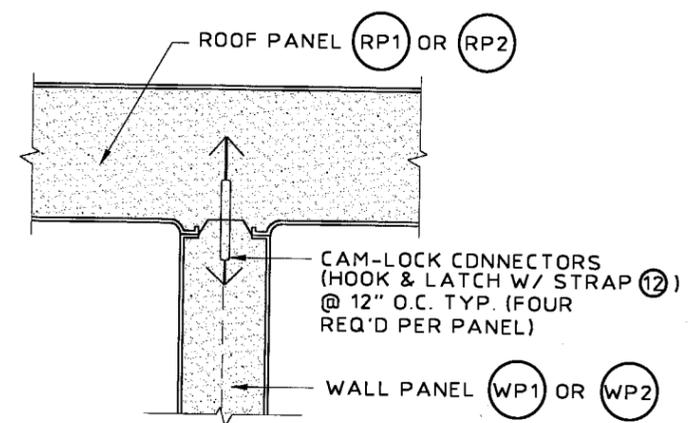
1 **DETAIL 1**
 SCALE: 1-1/2" = 1'-0"



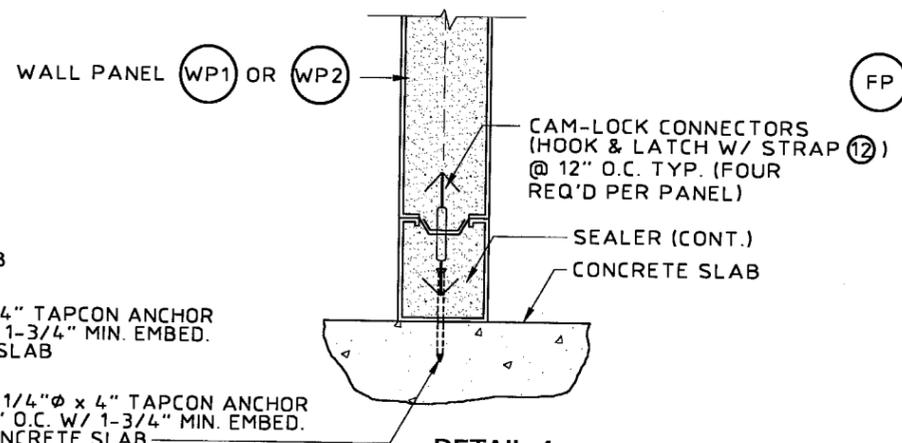
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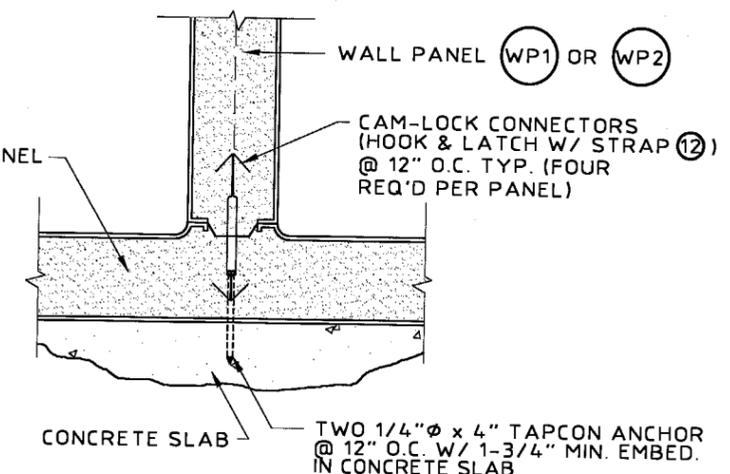
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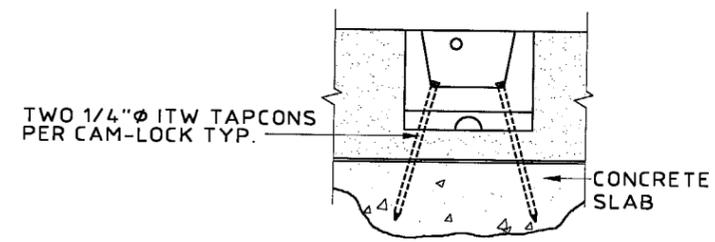
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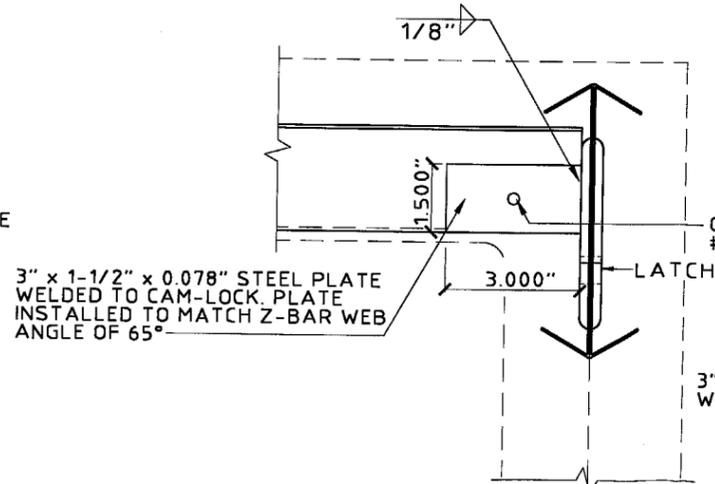
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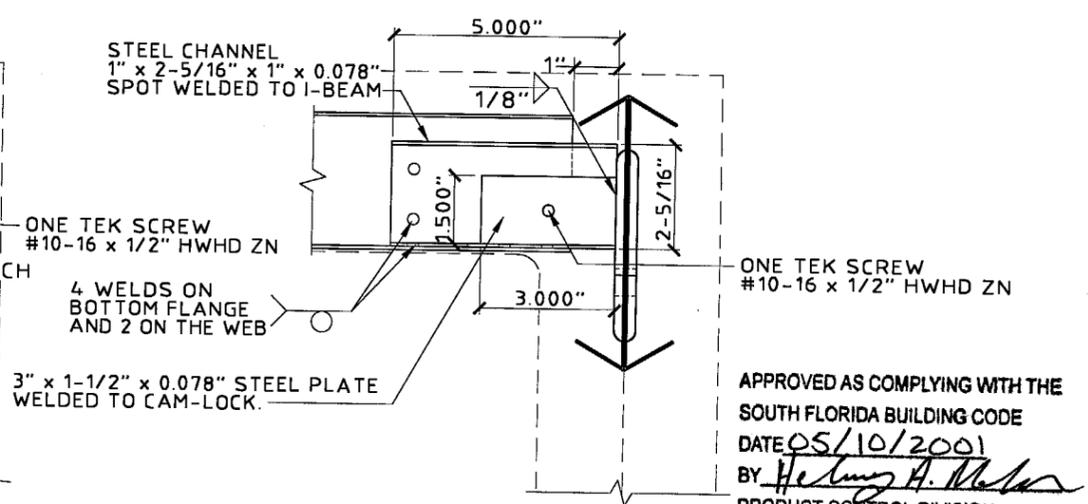
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7 **DETAIL 7**
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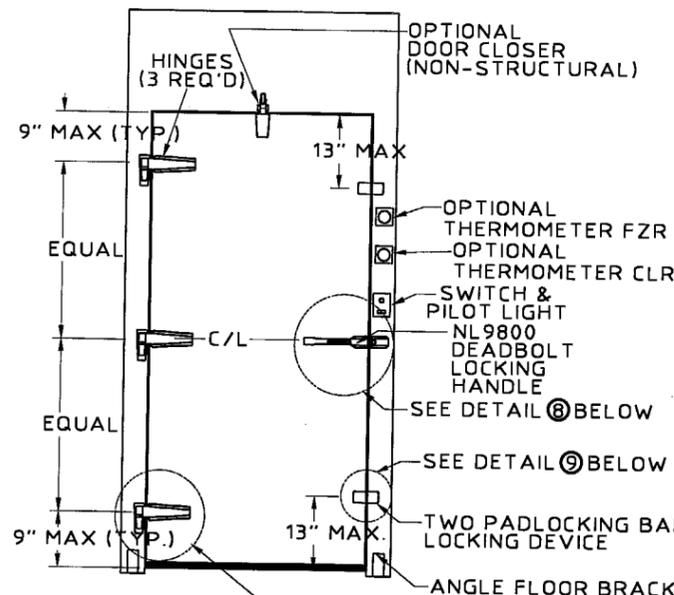
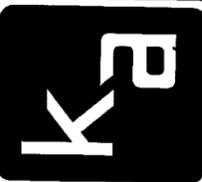


1-A **DETAIL 1-A "Z" BAR CONNECTION**
 N.T.S. (EACH END)

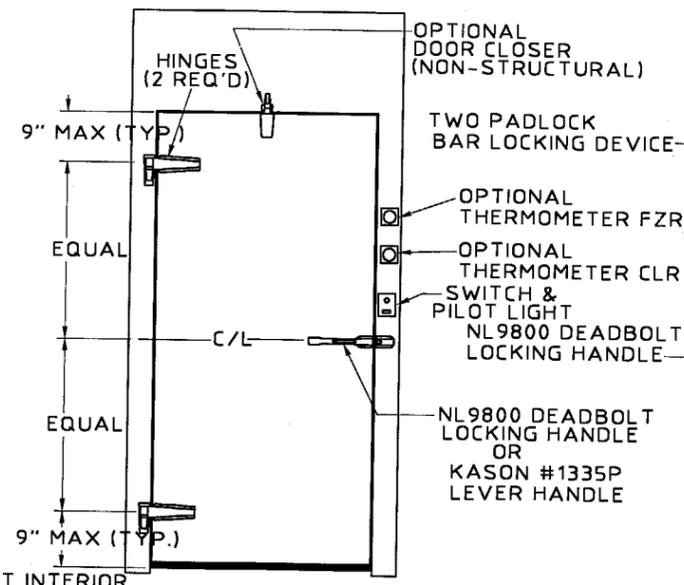


1-B **DETAIL 1-B "I" BAR CONNECTION**
 N.T.S. (EACH END)

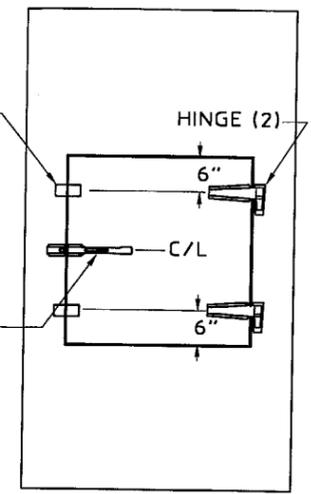
APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE 05/10/2001
 BY *Helmut A. Moller*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-1212-01



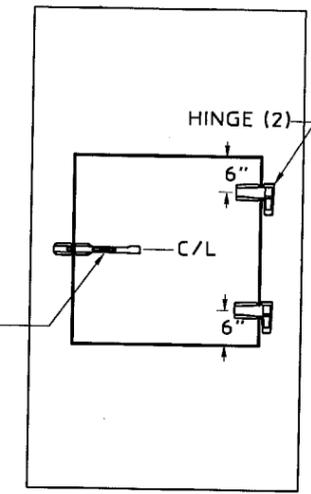
(ELEVATION)
ENTRANCE DOOR
EXPOSED TO EXTERIOR
N.T.S.
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TYPE WP1 OR WP2 OR MIX & MATCH



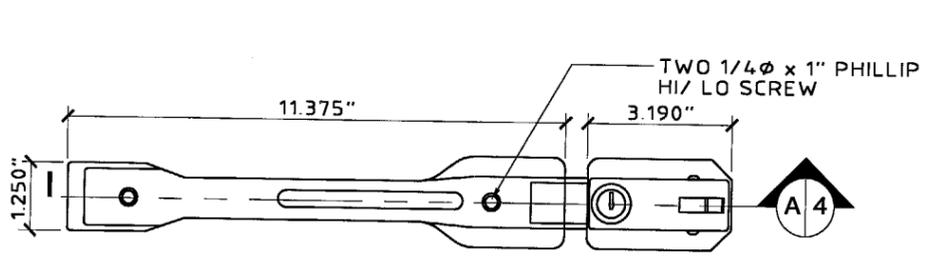
(ELEVATION)
PARTITION DOOR OR
UNEXPOSED TO EXTERIOR
N.T.S.
48"x 106 1/4" MAX DS W/36"x78" DR OPENING
TYPE WP1 OR WP2 OR MIX & MATCH



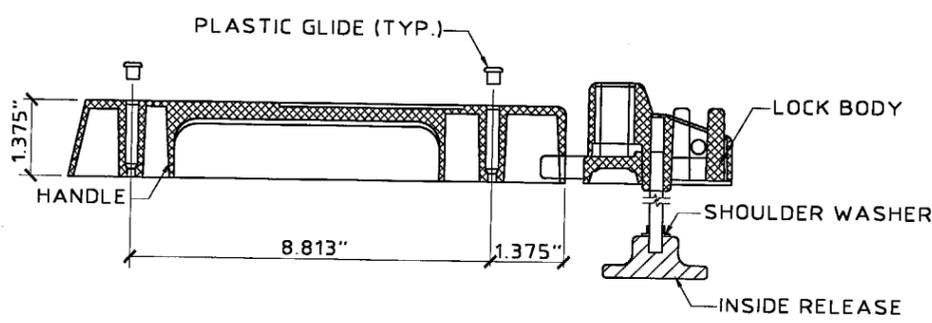
(ELEVATION)
REACH-IN DOOR
EXPOSED TO EXTERIOR
N.T.S.
48"x 106 1/4" MAX DS W/30" x 30" DR OPENING
TYPE WP1 OR WP2 OR MIX & MATCH



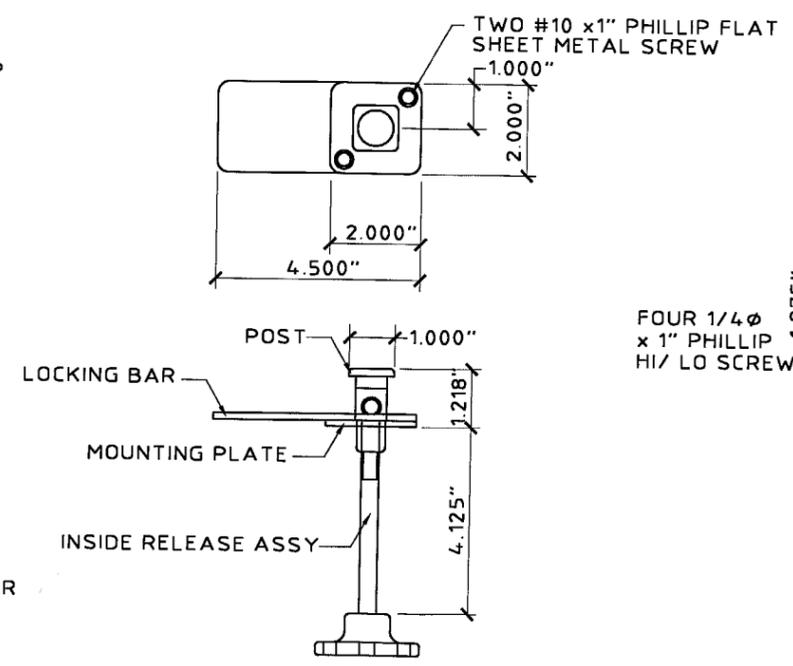
(ELEVATION)
REACH-IN DOOR
UNEXPOSED TO EXTERIOR
N.T.S.
48"x 106 1/4" MAX DS W/30" x 30" DR OPENING
TYPE WP1 OR WP2 OR MIX & MATCH



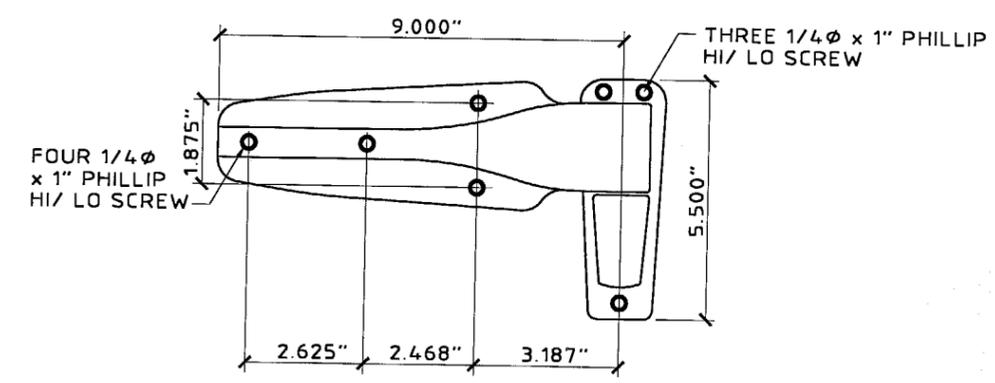
8 HANDLE
N.T.S.



SECTION A/4
N.T.S.



9 PADLOCK
N.T.S.



10 HINGES
N.T.S.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 05/10/2001
BY *Helmut H. Mader*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1212.01

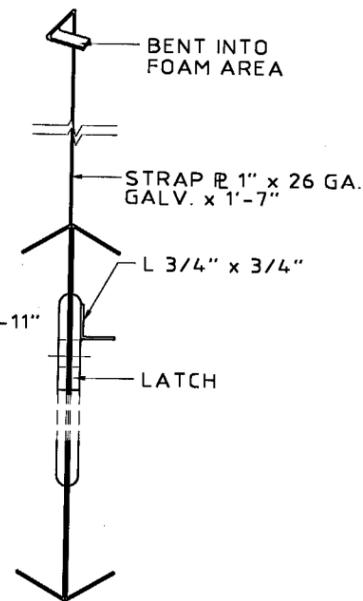
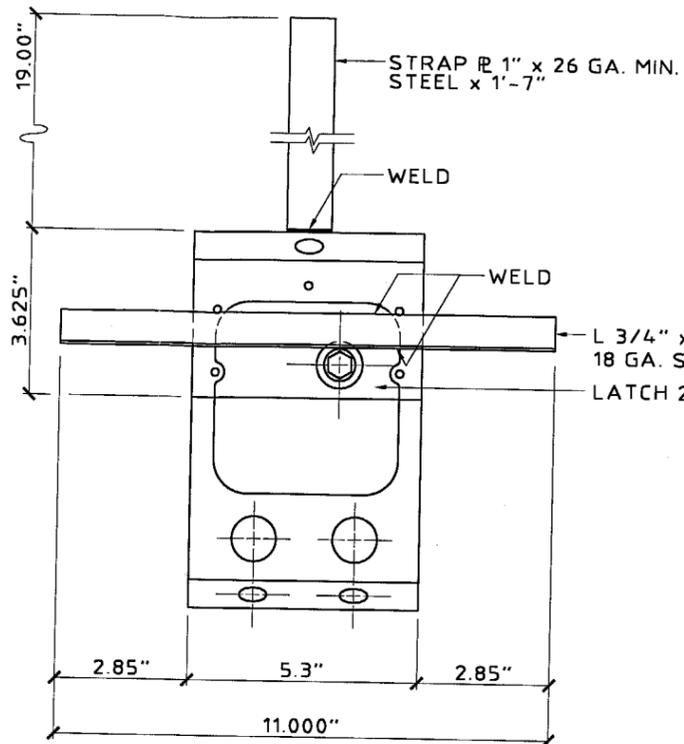
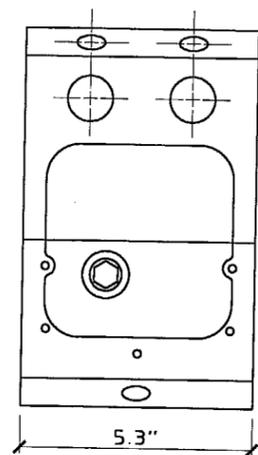
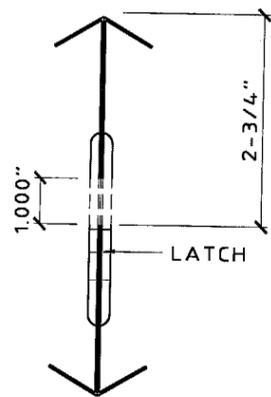
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REVISIONS	
NO.	DATE BY DESCRIPTION
1	03/19/01 ZS BCCO COMMENTS
2	04/03/01 ZS BCCO COMMENTS
3	04/19/01 ZS BCCO COMMENTS

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

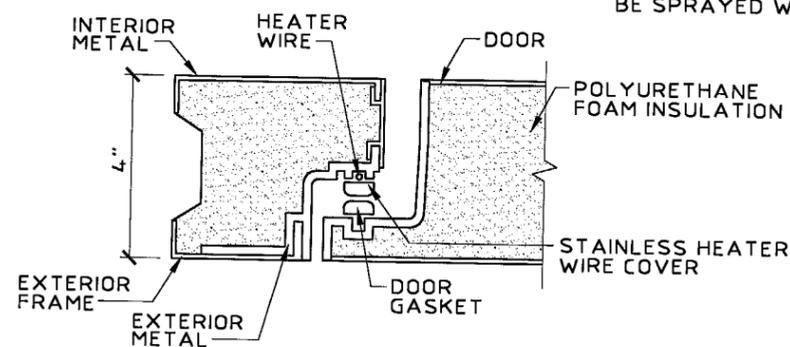
APR 19 2001
date 12/07/00
scale AS NOTED drawn by AV
design by ZS checked by VJK
drawing no. 00-094
sheet 4 of 5



11 CAM LOCK DETAIL [HOOK (M) & LATCH (F)] @ 41" O.C. WALL AND ROOF PANELS
SCALE: 3" = 1' - 0"

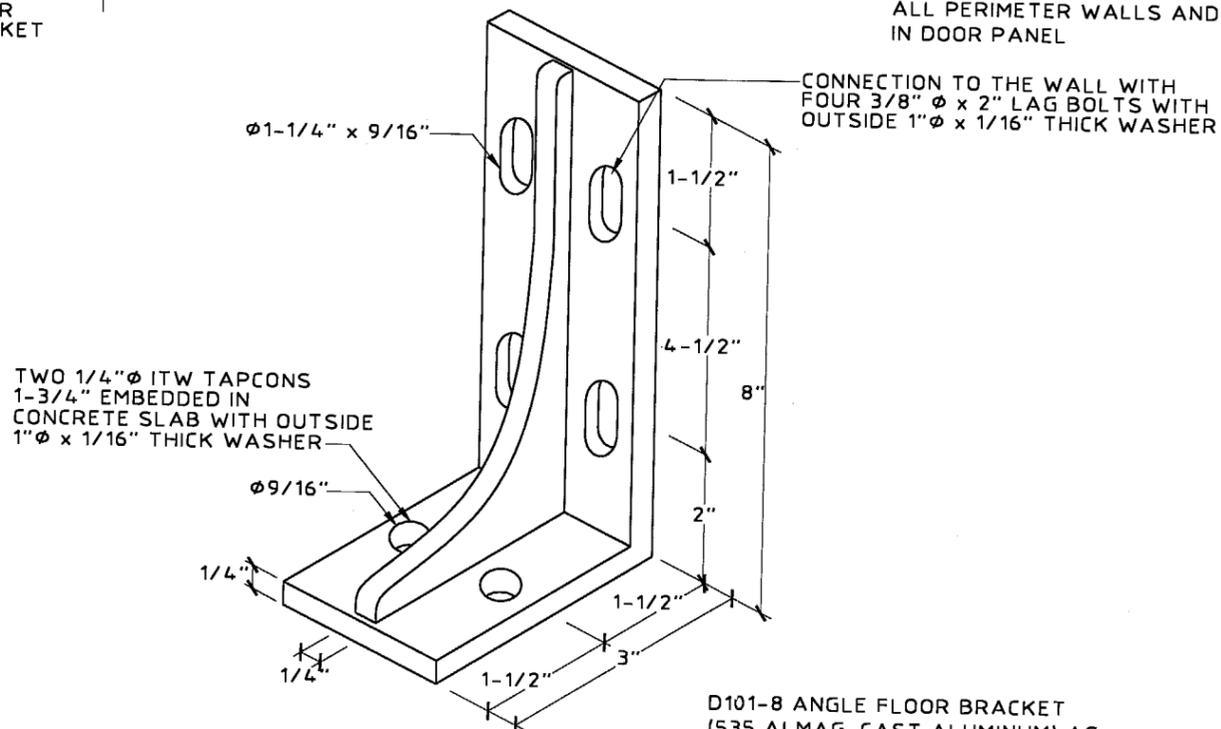
NOTE:
STRAP AND STRIKE MUST
BE SPRAYED WITH ADHESIVE

NOTE:
STRAP AND LATCH MUST
BE SPRAYED WITH ADHESIVE



13 DOOR JAMB
SCALE: 3" = 1' - 0"

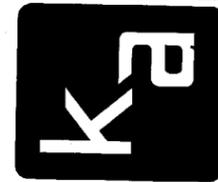
12 CAM LOCK LATCH W/ REINFORCEMENT STRAP (F) WITH STRAP
N.T.S. PROVIDED ON TOP & BOTTOM OF ALL PERIMETER WALLS AND REACH-IN DOOR PANEL



14 CAST ALUMINUM ANGLE
N.T.S.

D101-8 ANGLE FLOOR BRACKET
(535 ALMAG. CAST ALUMINUM) AS
PROVIDED BY DENT MANUFACTURING

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 05/10/2001
BY *Helmut A. Malar*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1212-01



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REVISIONS	
no.	description
1	BCCO COMMENTS
2	BCCO COMMENTS
3	BCCO COMMENTS

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

APR 19 2001
date 2/07/00
scale AS NOTED drawn by AV
design by ZS checked by VJK
drawing no. 00-094
sheet 5 of 5