



**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**

**Dade Engineering Corp. (DAECO)**  
**558 W. 18h Street**  
**Hialeah ,FL 33010**

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.

**ACCEPTANCE NO.: 01-0912.01**  
**EXPIRES: 02/08/2007**

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: 10/25/2001**

**Dade Engineering Corp. (DAECO)**

**ACCEPTANCE NO: 01-0912.01**

**APPROVED : 10/25/2001**

**EXPIRES : 02/08/2007**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

This renews the Notice of Acceptance No. 99-0127.01, which was issued on March 18, 1999. It approves a Walk-in Cooler / Freezer, 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 Walk-in Cooler / Freezer and its components shall be constructed in strict compliance with the following documents: Drawing No. 9415, titled "DAECO Walk-in Coolers & Freezers for Dade Engineering Corp.", prepared by David Schultz, P.E., last revision dated April 18, 1995, sheet 1 of 1, bearing the Miami-Dade County Product Control approval and renewal stamps with the Notice of Acceptance numbers and approval dates 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 Walk-in Cooler / Freezer 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".

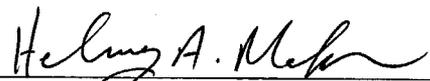
**6. BUILDING PERMIT REQUIREMENTS**

**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 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.

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

**Dade Engineering Corp. (DAECO)**

**ACCEPTANCE NO: 01-0912.01**

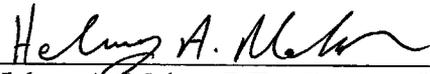
**APPROVED : 10/25/2001**

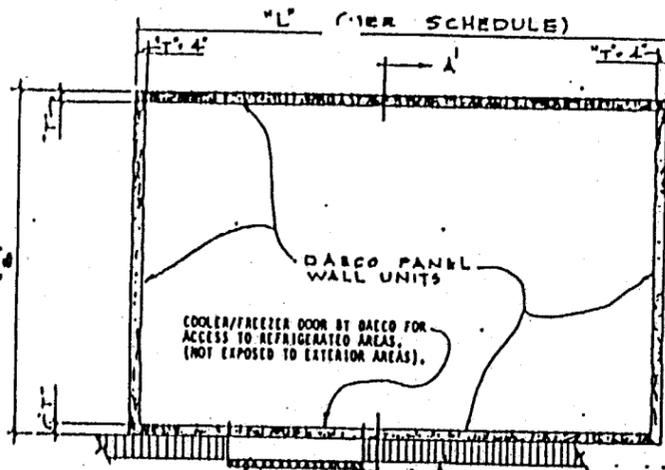
**EXPIRES : 02/08/2007**

**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.

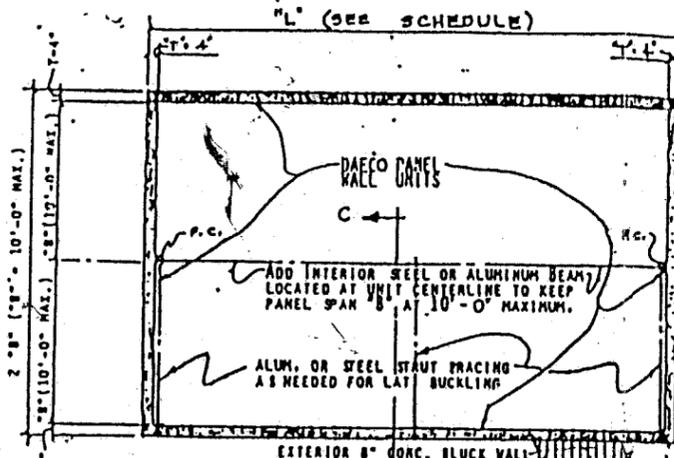
**END OF THIS ACCEPTANCE**

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



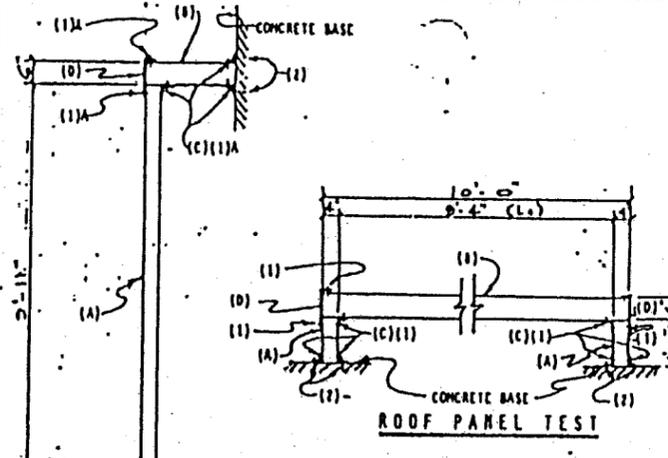
TYPICAL FLOOR PLAN  
FOR WIDTH "B" NOT TO EXCEED 10'-0"  
SCALE: 3/8" = 1'-0"

FIRE DOOR ON SLOPING TRACK WITH POSITIVE LINK IN EXTERIOR MASONRY WALL (BY OTHERS).



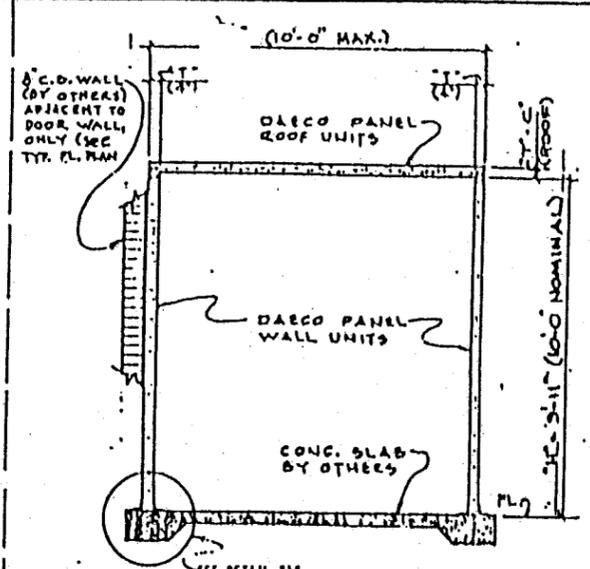
FLOOR PLAN - WIDE UNITS  
ADDITIONAL BEAMS WHERE WIDTH "B" EXCEEDS 10'-0"  
SCALE: 3/8" = 1'-0"

NOTE: WIDE UNITS SHALL BE ENGINEERED BY OTHERS AS WIDTH INCREASE VARIES.



WALL PANEL TEST  
ROOF PANEL TEST  
CONCRETE BASE

- LEGEND (MATERIALS):**
- (A) - 1/4" WALL PANEL (SEE PG. D-1)
  - (B) - 8" ROOF PANEL (SEE PG. D-1)
  - (C) - L2422 1/8" CHNL.
  - (D) - L2422 1/8" ALUM. STAY SHEET (3003-H-14)
- (CONNECTORS)**
- (1) - 1/4" POP RIVETS EACH PANEL, 5/8" FROM EA. END & 2.5" ON BETWEEN. (TYPICAL POP RIVETS CONNECTION TO PANELS)
  - (2) - 3/8" DIA. 4.2" REINFORCING CONCRETE ANCHORS (TYPICAL CONNECTION TO CONCRETE BASE)
  - (3) - 1/4" POP RIVETS 5/8" FROM EA. END & 4.75" O.C. REINFORCING.
- TYPICAL TEST FIXTURES**  
(PANEL UNITS AS TESTED)
- LEGEND (MATERIALS):**
- (1) - ALUMINUM SHEET - 0.040 THICK, 3003-H-14
  - (2) - MILD STEEL SHAPES - GRADE 6061-T6 OR EQUAL
  - (3) - ADHESIVE - "MORAD", EPOXY EPOXY, 30 MILS THICK
  - (4) - URETHANE CORE - 1.9 PCF DENSITY, 1.9 PCF DENSITY

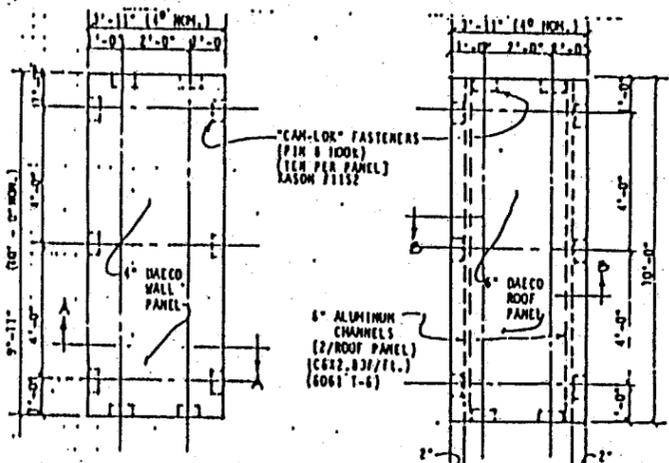


SECTION A-A  
SCALE: 3/8" = 1'-0"

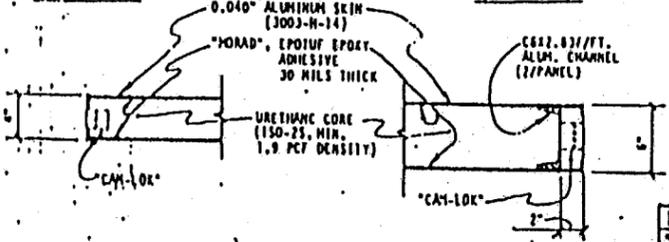
NOTES

- "D A E C O" PANEL WALL & ROOF UNITS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE (SFB), CURRENT EDITION, AND INCLUDES WIND LOADING IN COMPLIANCE WITH ANSI/ASCE 7-68 (110 MPH MIN. WIND VELOCITY ZONE; IMPORTANCE FACTOR I = 1.05; EXPOSURE CATEGORY "C"). ROOF DESIGN LOADS: GRAVITY LOAD--130 PSF; UPLIFT LOADING--75.1 PSF. WALL DESIGN LOADS: INWARD--137.3 PSF; OUTWARD--47.9 PSF.
- ALUMINUM MATERIAL SHALL CONFORM TO THE FOLLOWING: EXTRUSIONS & SHAPES--ALLOY 6061-T6; SHEETS--3003-H-14.
- ALL CONCRETE SHALL DEVELOP A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- URETHANE FOR PANEL CORES SHALL BE ISO 25 "DIPLAST" (ISOCYANURATE) WITH A MIN. DENSITY OF 1.9 PCF (1.9 IN 2.2 PCF).
- ALL PANELS SHALL BE PRESSURE LAMINATED. ALUMINUM SKINS SHALL BE SECURED TO CORE WITH A CONTINUOUS COATING OF "MORAD", EPOXY EPOXY HARDENER AT A MIN. THICKNESS OF 30 MILS.
- SEE OTHER SHEETS, AS NEEDED, FOR ALL ELECTRICAL & MECHANICAL DATA.
- ALL EXPANSION ANCHORS FOR FASTENING TO CONCRETE SHALL BE 3/8" HILTI "QUICKBOLT II" CONCRETE ANCHORS, SPACED 12" O.C. MAX. UNLESS OTHERWISE DETAILED OR SCHEDULED, 1/2" MIN. EMBEDMENT.
- TYPICAL CONNECTION BETWEEN WALL PANEL & ROOF PANEL SHALL BE CONSTRUCTED AS SHOWN ON THE TEST PANEL DETAIL.
- PIPE COLUMNS SHALL BE ANCHORED TO CONCRETE BASE USING 3/4" HILTI "QUICKBOLT II" CONCRETE ANCHORS - 1/2" MIN. EMBEDMENT. (ALTERNATE: 2-3/4" X 20'-9" HOOKED ANCHORS 1/2" MIN. PENETRATION. ALLOW. PU = 6352 LBS/BOLT).

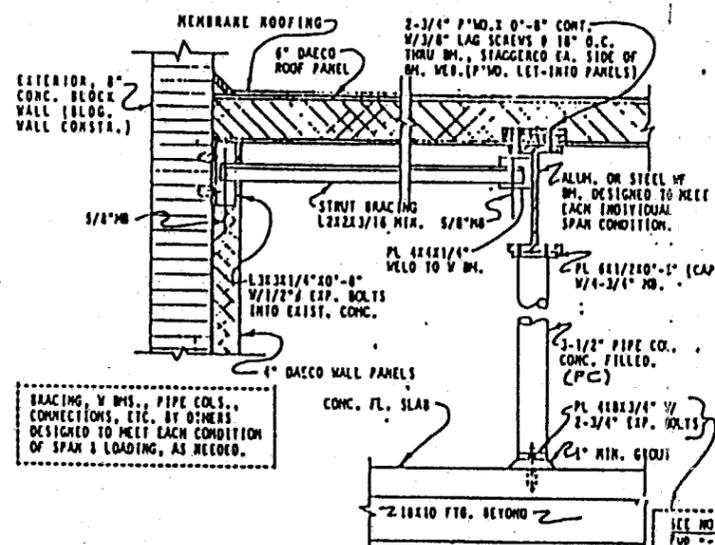
**PRODUCT RENEWED**  
ACCEPTANCE No. 01-0912.01  
EXPIRATION DATE 02/08/2007  
By *Helmut A. Mahr*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE



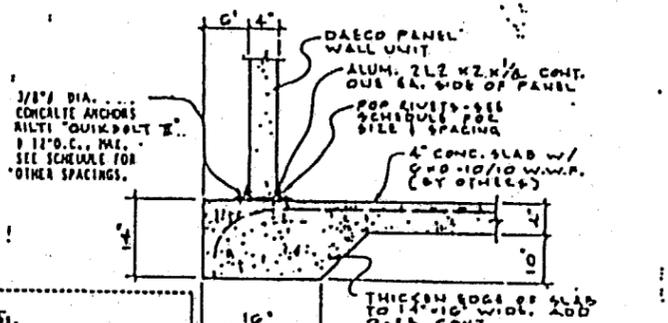
TYPICAL WALL PANEL ELEVATION  
TYPICAL ROOF PANEL ELEVATION



WALL PANEL - SECTION A-A  
ROOF PANEL - SECTION B-B



SECTION "C-C"  
ADDITIONAL FRAMING, AS NEEDED, FOR WIDE UNITS  
SCALE: 1" = 1'-0"

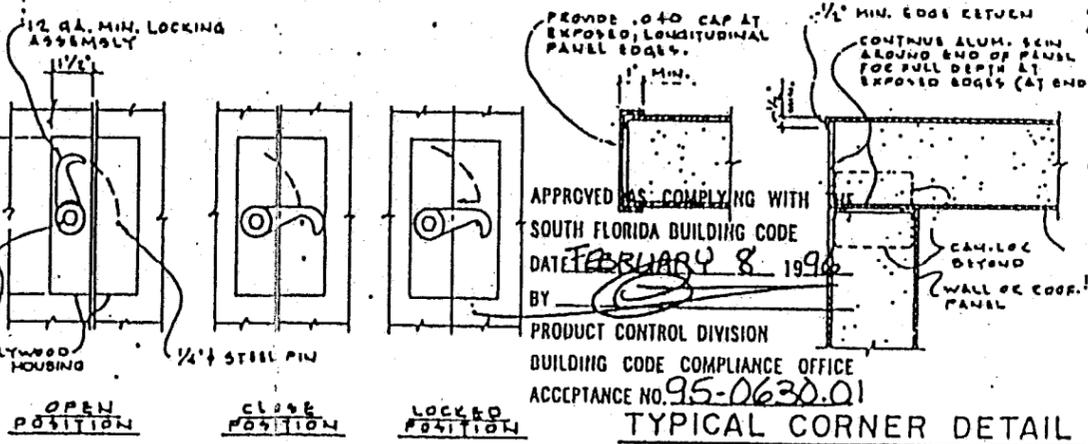


DETAIL "I"  
TYPICAL WALL ANCHOR DETAIL  
SCALE: 1" = 1'-0"

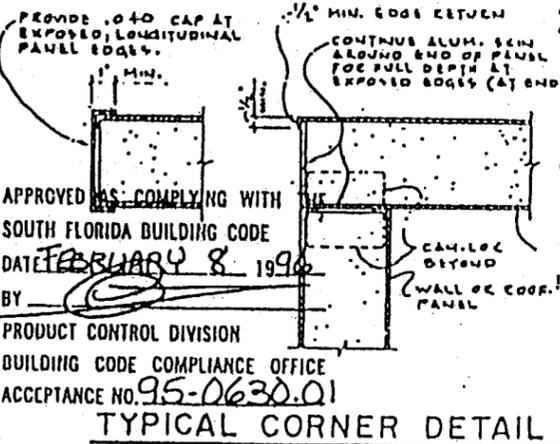
INTERMEDIATE BEAM SCHEDULE WIDE UNITS					
MAX. WIDTH (d-L/10)	WIDTH (b)	BEAM SIZE	STRUTS		SPACING
			ALLUM.	STEEL	
30'-0"	20'-0"	12I11.67	W12x27	10'	MAX.
35'-0"	20'-0"	-----	W14x30	10'	MAX.
40'-0"	20'-0"	-----	W16x36	10'	MAX.

SIZE & ANCHORAGE SCHEDULE						
PANEL THICK.	WIDTH	HEIGHT	LENGTH	ANCHORAGE DETAILS		REMARKS
				POP RIVETS SIZE	EXP. ANCHORS SIZE	
4"	8'-0"	8'-0"	23'-0"	1/4"	2 1/2" O.C.	WALL PANEL
4"	8'-0"	10'-0"	20'-0"	1/4"	2 1/2" O.C.	ROOF PANEL
4"	10'-0"	8'-0"	26'-0"	1/4"	2 1/2" O.C.	WALL PANEL
4"	10'-0"	10'-0"	23'-0"	1/4"	2 1/2" O.C.	ROOF PANEL
6"	10'-0"	10'-0"	23'-0"	1/4"	4.75" O.C.	WIDE UNITS
6"	8'-0"	10'-0"	20'-0"	1/4"	4.75" O.C.	WIDE UNITS

**PRODUCT RENEWED**  
ACCEPTANCE No. 99-0127.01  
EXPIRATION DATE 02/08/2007  
By *Helmut A. Mahr*  
PRODUCT CONTROL DIVISION  
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CAM-LOK DETAIL  
KASON # 1350B



TYPICAL CORNER DETAIL  
SCALE: 3/8" = 1'-0"

NOTE: PANEL TO FLOOR CONNECTION - PLACE FIRST POP RIVET 2" FROM CORNER OF UNIT, THEN 1" RIVETS IN NEXT 12" EQUALLY SPACED, AND PROCEED WITH RIVET SPACING, AS SCHEDULED.  
\* OPTIONAL, AS ADDITIONAL SAFETY FACTOR.

**DAECO**  
WALK-IN COOLERS & FREEZERS  
FOR  
DADE ENGINEERING CORP.  
550 WEST 18th STREET, MIAMI, FLA.  
TELEPHONE: (305) 885-2766 FAX: (305) 885-6166

FLOOR PLANS, DETAILS, ELEVATIONS, NOTES, SCHEDULES & SECTIONS.

REVISIONS:	DAVID SCHULTZ, P.E. CONSULTING ENGINEER FLORIDA REGISTERED PROFESSIONAL ENGINEER No. 11111	SHEET NO.
ORIGINAL	4/79 S D.S. 7-24-69	1 of 1
REV FILE	9115 S D.S. 4-11-95	

APPROVED AS COMPLYING WITH  
SOUTH FLORIDA BUILDING CODE  
DATE FEBRUARY 8, 1996  
BY *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE No. 95-0630.01