



**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**

**DAYBAR INDUSTRIES LIMITED**  
**1235 AEROWOOD DRIVE**  
**Canada , L4W 1B9**

Your application for Notice of Acceptance (NOA) of:

**Series LS18 Flush Outswing Commercial Steel Doors-Impact Resistant**

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.: 01-0730.01**  
**EXPIRES: 09/24/2006**

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: 08/23/2001**

Daybar Industries Limited

ACCEPTANCE No.: 01-0730.01

APPROVED : August 23, 2001

EXPIRES : Sept. 24, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

**1. SCOPE**

- 1.1 This renews NOA # 98-0528.02, which approves a steel door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 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**

- 2.1 The **Series LS18, Flush Outswing Commercial Steel Door- Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **HMD 0901**, titled "Series LS18", Sheets 1 through 5 of 5, prepared by manufacturer dated 05-22-98 and revised on 08-21-98, signed and sealed by Kelvyn Whitfield, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

- 3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.
- 3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

**4. INSTALLATION**

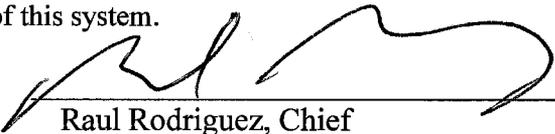
- 4.1 The commercial steel doors and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

**5. LABELING**

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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.

  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division

Daybar Industries Limited

ACCEPTANCE No.: 01-0730.01

APPROVED : August 23, 2001

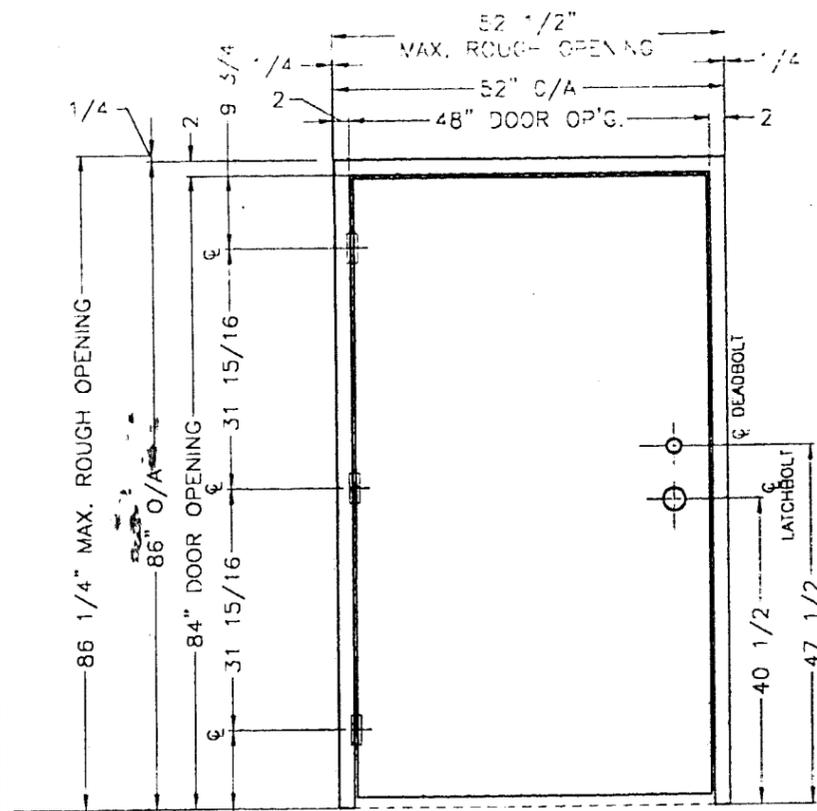
EXPIRES : Sept. 24, 2006

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

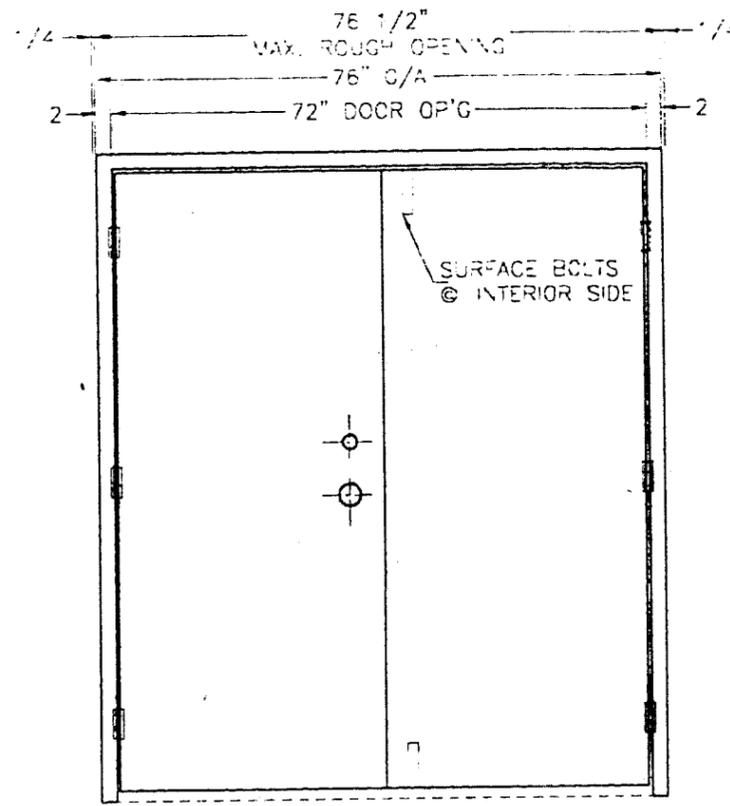
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with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

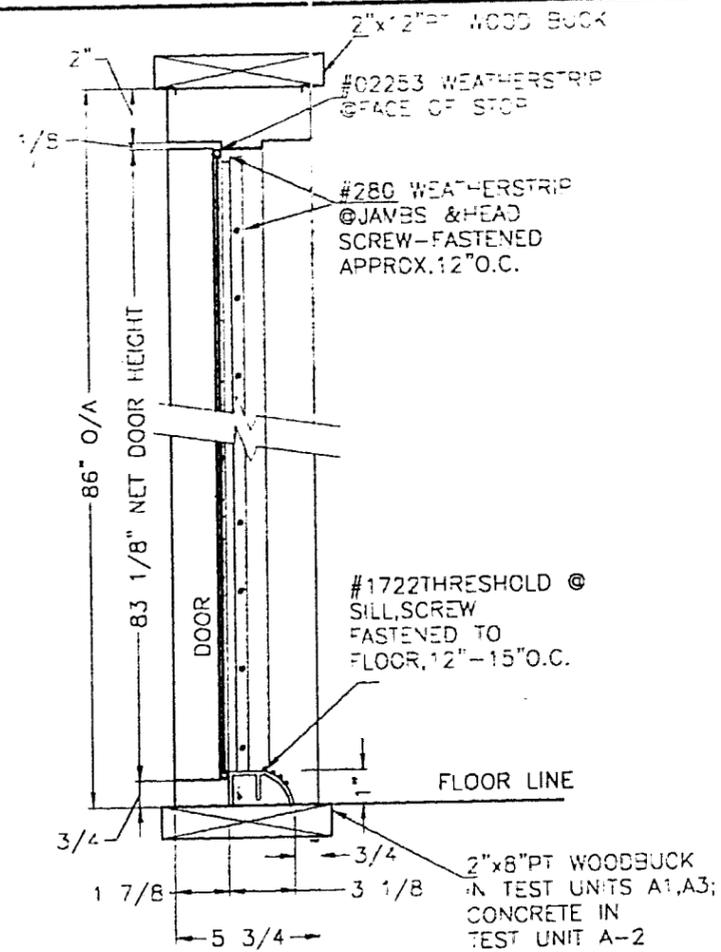
  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division



**ELEVATION "A"**  
SINGLE DOOR ASSEMBLY  
EXTERIOR VIEW (OUTSWING)



**ELEVATION "B"**  
DOUBLE DOOR ASSEMBLY  
EXTERIOR VIEW (OUTSWING)



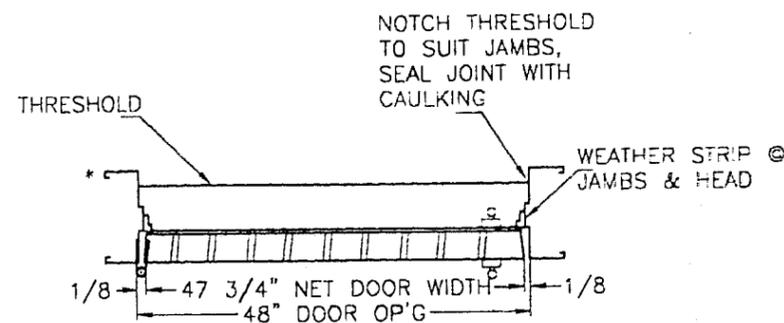
**VERTICAL SECTION:**  
"A" & "B"

**BILL OF MATERIALS:**

- NOTE:**  
ALL STEEL HOT-DIP GALVANIZED TO ASTM A653 (CQ,LFQ), COATING DESIGNATION A25 (ZF75).
- FRAME:**
- JAMBS & HEAD: 16ga (.057" MIN.)
  - HINGE REINF: 10 ga (.134" MIN.)
  - STRIKE/DEADBOLT REINF: 14ga (.075" MIN.)
  - MORTAR GUARDS 22ga (.027").
- DOOR:**
- FACE SHEET: 18ga (.045" MIN.)
  - HINGE REINF: 10ga (.134" MIN.)
  - LOCK REINF., END CHANNELS, CLOSER REINF. 16ga (.057" MIN.)
  - SURFACE BOLT REINF.
  - ASTRAGAL & STRIKE TABS: 14ga (.75" MIN.)
  - PAPER HONEY COMB CORE MF'D BY TENNECO PKG. BONDED TO INSIDE FACES.
- HARDWARE:**
- HINGES-4 1/2"x4" PENROD # PLPTSQSQ
  - LATCHSET-S.PARKER #B FMS 626
  - DEADLOCK-S.PARKER #92160
  - SURFACE BOLTS-3/4"x1/4"x8" #UL453
  - WEATHERSTRIP-AFCO #280, ALUM/VINYL @ SECURED W/ #6x1/2" S.M.S. + MD # 02253 ADHESIVE BACKED CLOSED CELL FOAM (1/8"x1/2")
  - THRESHOLD-AFCO # 1722, ALUM/VINYL SECURED W/TAPCON 3/16"x1 3/4" F.H. SCREWS, OR #8x2" F.H. SMS. OR #10x2" F.H.W.S.

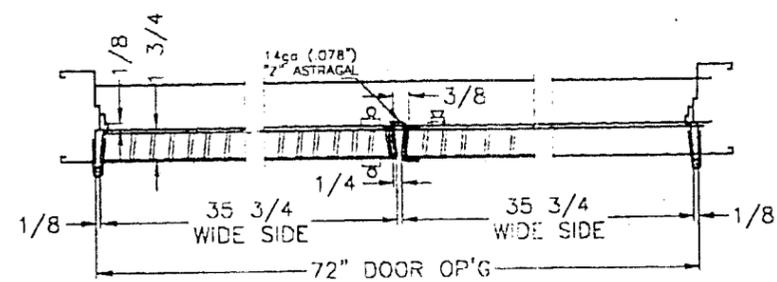
**PRODUCT REVIEW**  
ACCEPTANCE NO. 01-0730.01  
EXPIRATION DATE Sep. 24, 2006  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE September 24, 1998  
BY Ishag J. Chands  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0528.02



**HORIZONTAL SECTION "A"**

\* SEE DRAWING NUMBER 3 FOR JAMB ANCHORING DETAILS



**HORIZONTAL SECTION "B"**

Design Pressure Rating	
Where water infiltration Requirement is needed	Where water infiltration Requirement is not needed
Positive	Not Approved +60 PSF
Negative	Not Approved -60 PSF

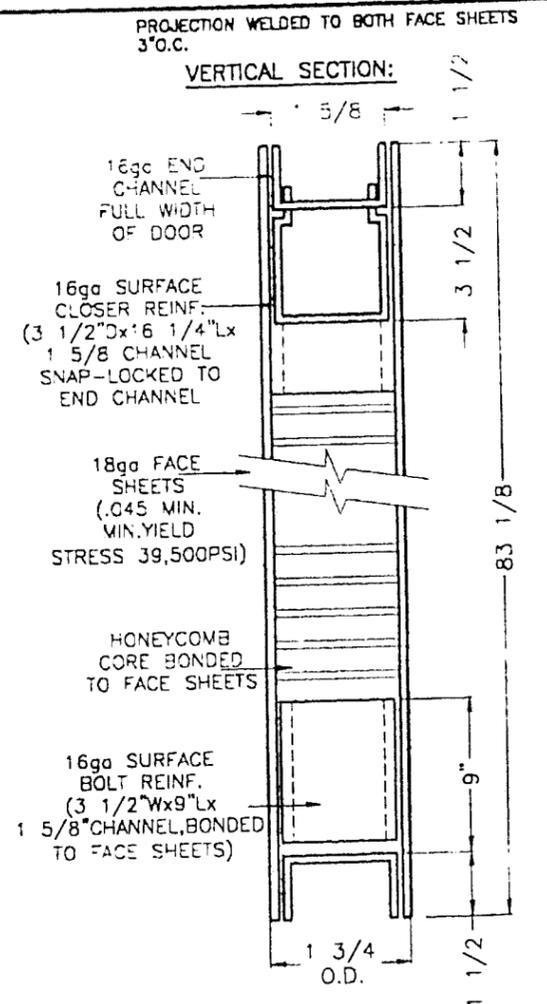
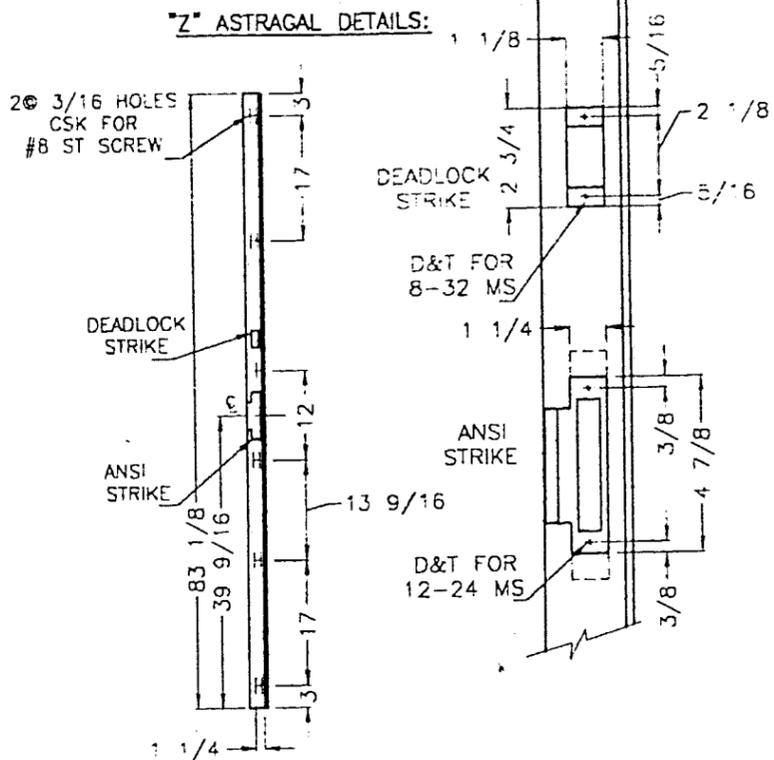
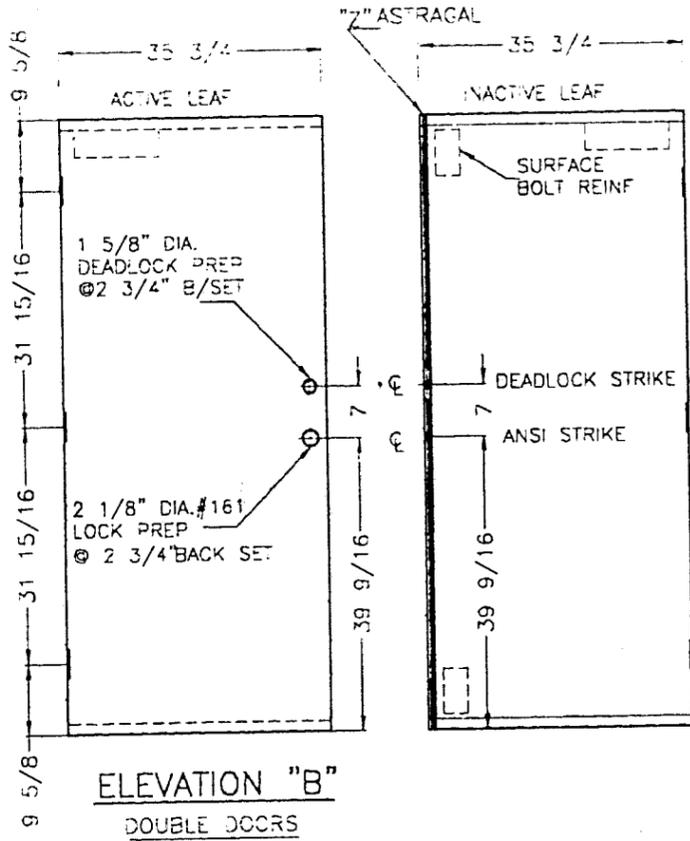
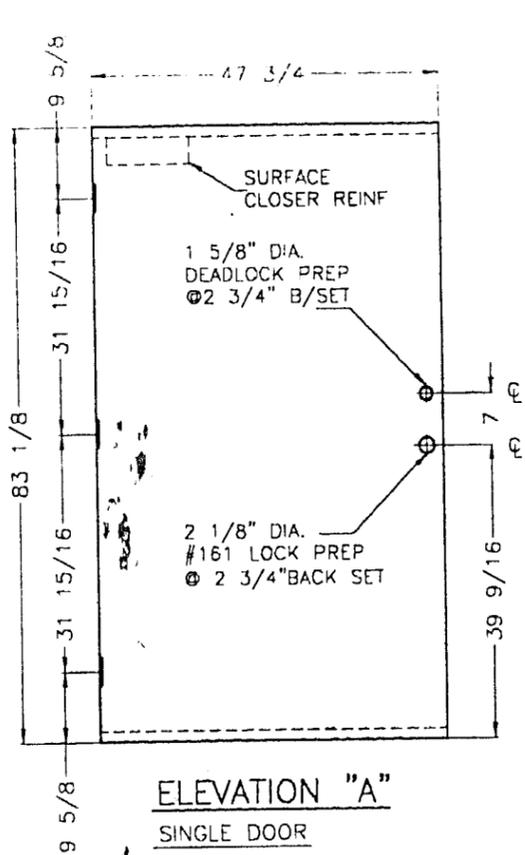
ENGINEER: **K. WHITFIELD** DISCIPLINE: **MECHANICAL**  
FLORIDA REGISTRATION NO: **24140**

SCALE: NTS APPROVED BY: \_\_\_\_\_ DRAWN BY: S.P.  
DATE: 05/22/98 REVISED: 08/21/98

**DAYBAR INDUSTRIES LIMITED**  
1235 AEROWOOD DR. MISSISSAUGA, ONT. L4W 1B9

DADE COUNTY-PRODUCT APPROVAL SERIES **LS 18** DRAWING NUMBER **HMD 0901**  
HOLLOW METAL DOOR ASSEMBLY DETAILS **1 OF 5**

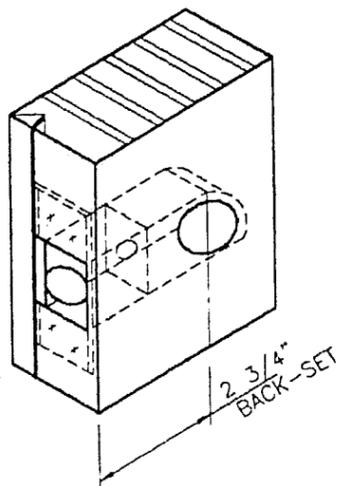
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9/1/98



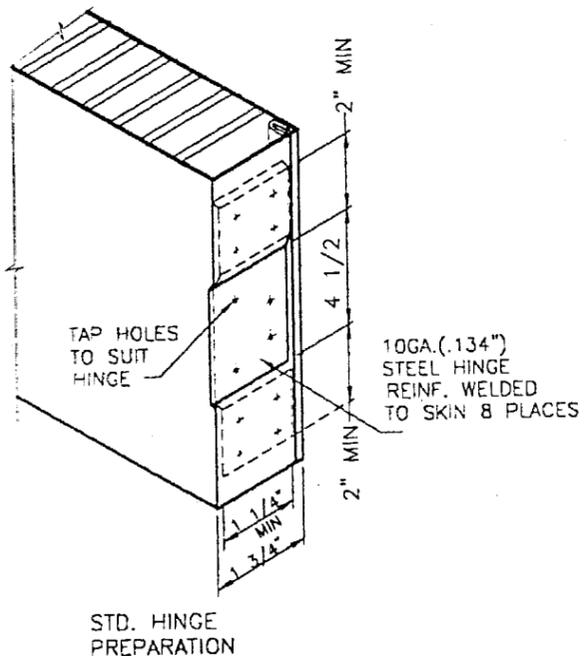
# 161 STD. CYLINDRICAL LOCK PREPARATION (ANSI A115.2)

(DEADLOCK PREPARATION SIMILAR).

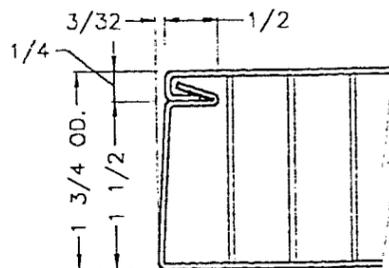
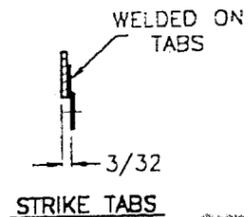
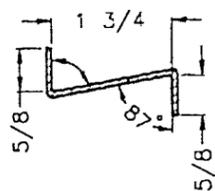
SEE DWG. NO. 4 FOR REINFORCING DETAILS



HONEYCOMB CORE



14 GA MATERIAL



VERTICAL EDGE DETAIL

PRODUCT REVIEW

ACCEPTANCE NO. 01-073A01

EXPIRATION DATE Sep. 24, 2006

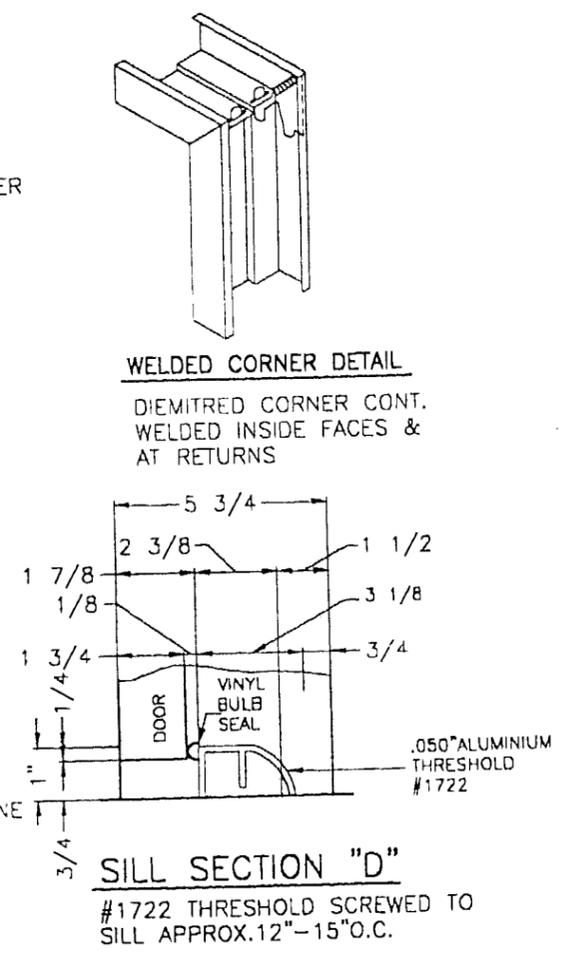
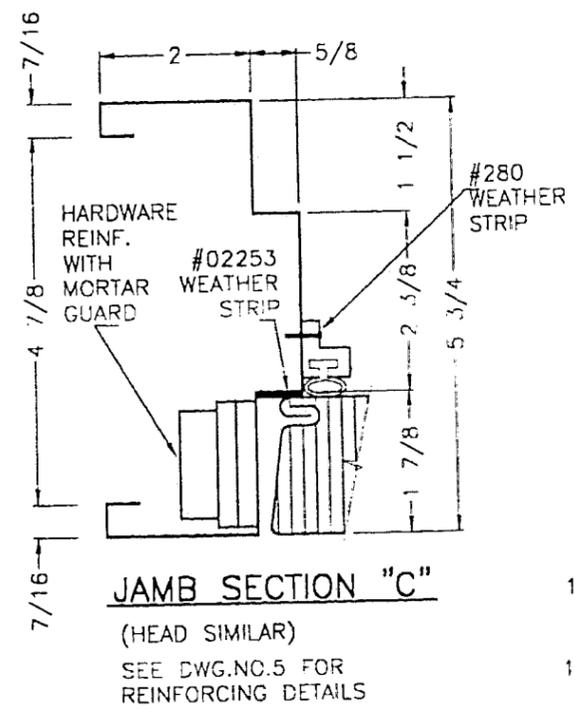
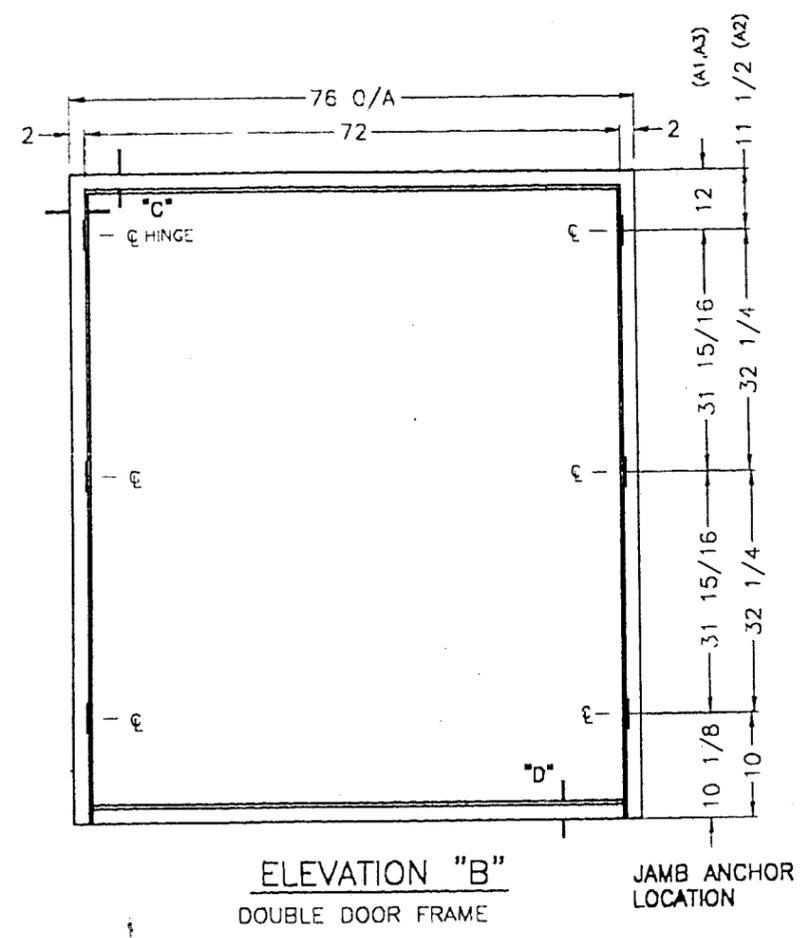
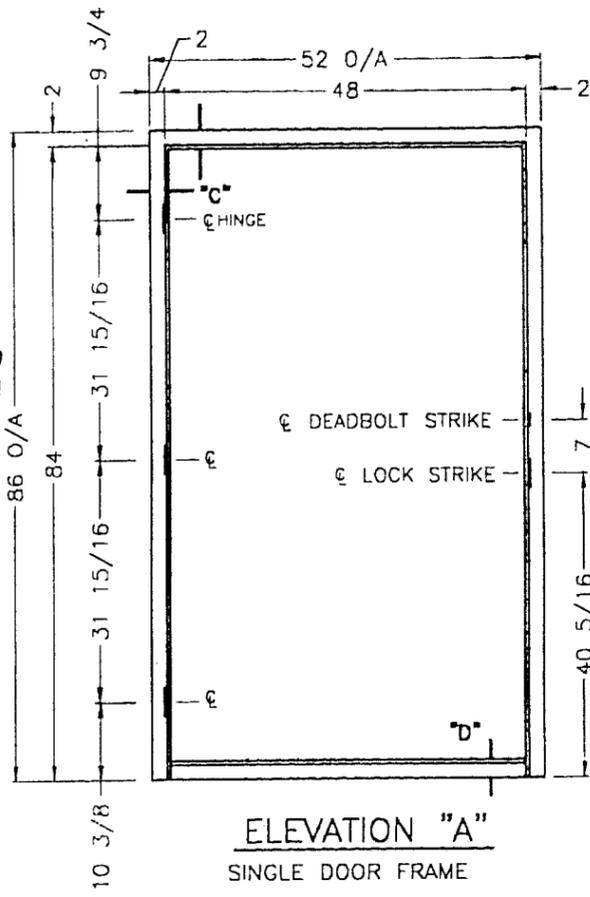
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE September 24 '98  
BY Ishag I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0528.02

**BILL OF MATERIALS:**

- NOTE:  
ALL STEEL HOT-DIP GALVANIZED TO ASTM A653 (CQ, LFQ), COATING DESIGNATION A25 (ZF75).
- FACE SHEET: 18ga (.045" MIN.)
  - HINGE REINF: 10ga (.134" MIN.)
  - LOCK REINF., END CHANNELS, CLOSER REINF. 16ga (.057" MIN.)
  - SURFACE BOLT REINF.
  - ASTRAGAL, & STRIKE
  - TABS: 14ga (.075" MIN.)
  - PAPER HONEY COMB CORE MF'D BY TENNECO PKG. BONDED TO INSIDE FACES.

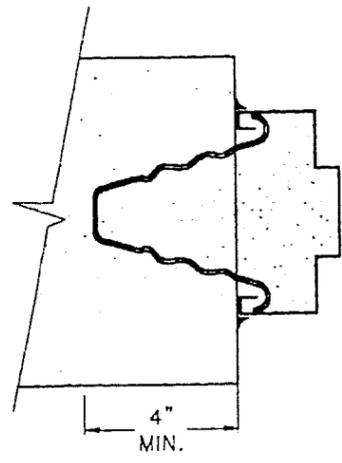
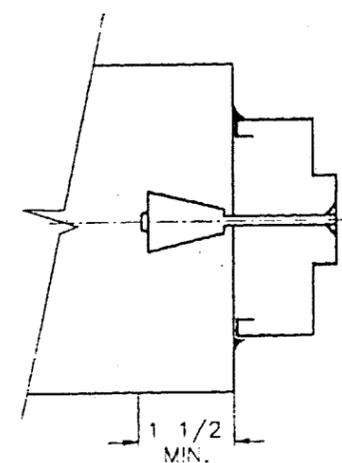
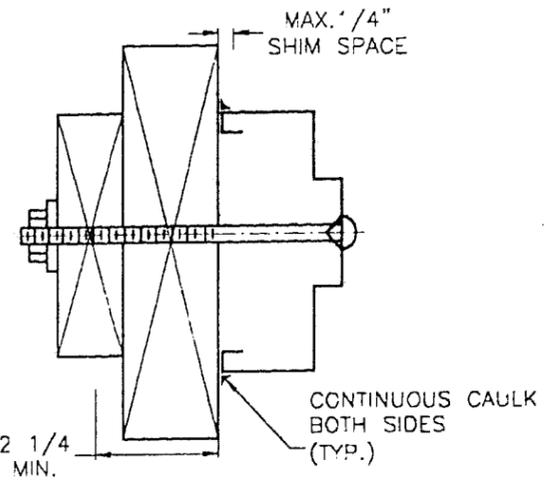
ENGINEER: K. WHITFIELD		DISCIPLINE: MECHANICAL	
FLORIDA REGISTRATION NO: 24140		DRAWN BY M.S.P.	
SCALE: NTS	APPROVED BY:		REVISED 08/21/98
DATE: 05/22/98	DAYBAR INDUSTRIES LIMITED 1235 AEROWOOD DR. MISSISSAUGA, ONT. L4W 1B9		
DADE COUNTY-PRODUCT APPROVAL SERIES LS18			DRAWING NUMBER HMD 0901 2 OF 5



**PRODUCT REVIEW**  
ACCEPTANCE NO. 01-0730.01  
EXPIRATION DATE SEP. 24, 2006  
FLOOR LINE  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

**WELDED CORNER DETAIL**  
DIEMITRED CORNER CONT. WELDED INSIDE FACES & AT RETURNS

**JAMB ANCHORING DETAILS:**  
(NO ANCHORS IN HEAD)



**BILL OF MATERIALS:**

- NOTE:**  
ALL STEEL HOT-DIP GALVANIZED TO ASTM A653 (CQ, LFQ), COATING DESIGNATION A25 (ZF75).  
- JAMBS & HEAD: 16ga (.057" MIN.)  
- HINGE REINF: 10 ga (.134" MIN.)  
- STRIKE/DEADBOLT REINF: 14ga (.075" MIN.)  
- MORTAR GUARDS 22gc (.027").

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE September 24, 1998  
BY Ishag I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0528-02

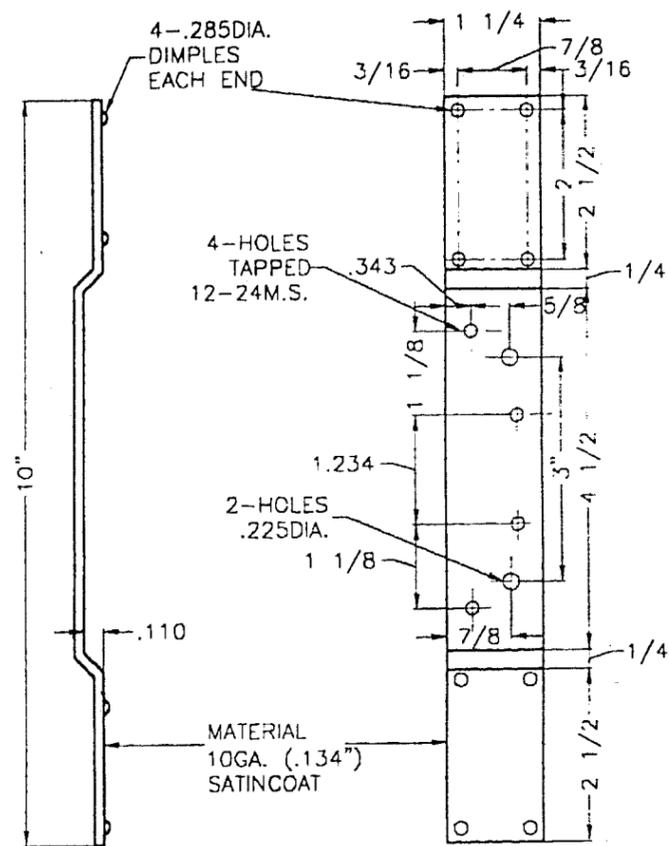
ENGINEER: <b>K. WHITFIELD</b>		DISCIPLINE: <b>MECHANICAL</b>	
FLORIDA REGISTRATION NO: <b>24140</b>		DRAWN BY: <b>V.S.P.</b>	
SCALE: <b>NTS</b>	APPROVED BY:		REVISED: <b>08/21/98</b>
DATE: <b>05/22/98</b>	DAYBAR INDUSTRIES LIMITED 1235 AERWOOD DR. MISSISSAUGA, ONT. L4W 1B9		
DADE COUNTY-PRODUCT APPROVAL		SERIES <b>LS 18</b>	DRAWING NUMBER <b>HMD 0901</b>
HOLLOW METAL FRAME DETAILS			<b>3 OF 5</b>

PRESSURE-TREATED WOOD BUCK (MIN. 2"x 8" NOMINAL)  
(6) 5/16-20 x 6" CARRIAGE BOLT "PAPCO # 852-464" W/NUT & WASHER  
(TEST UNIT A-1, A-3)

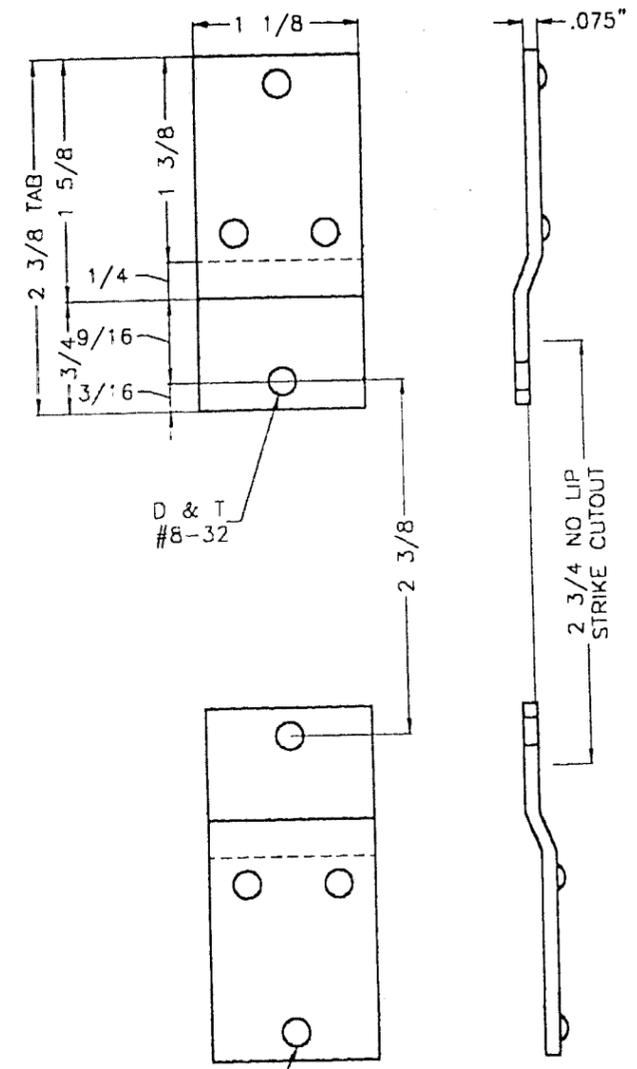
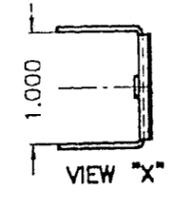
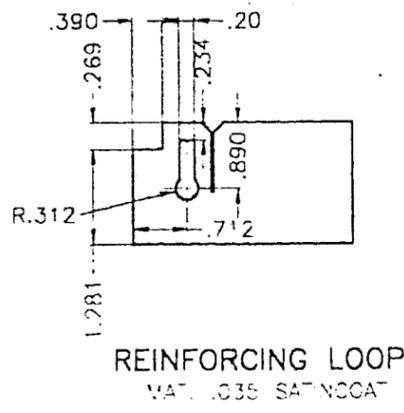
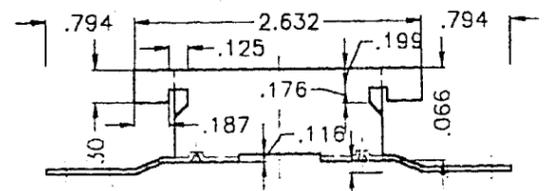
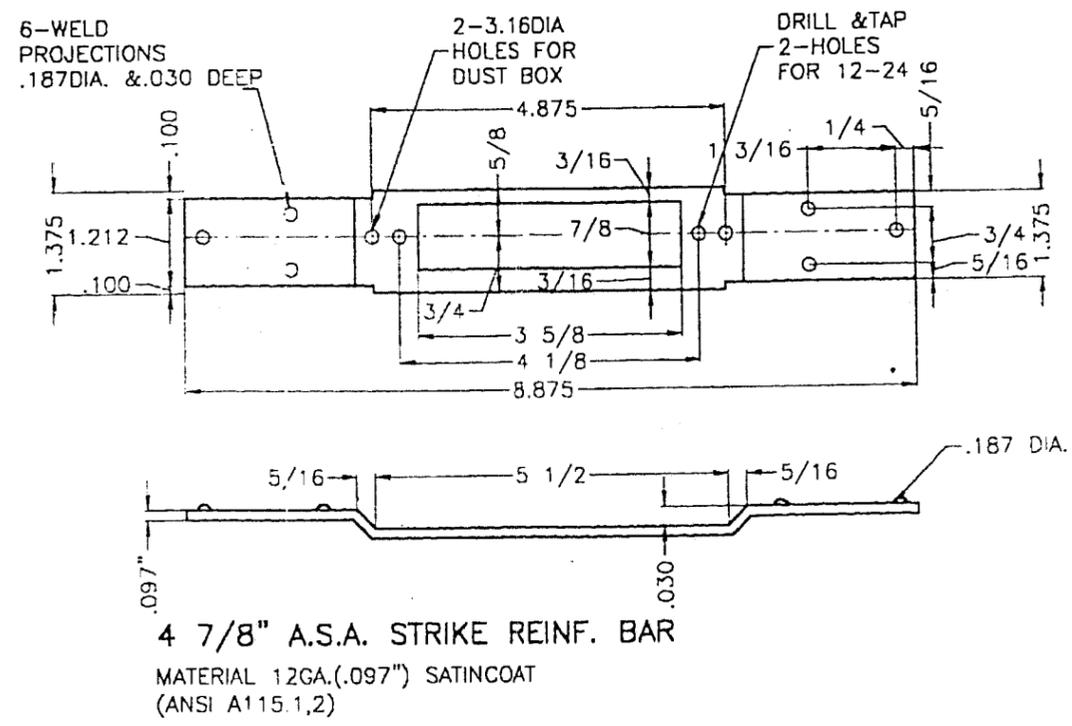
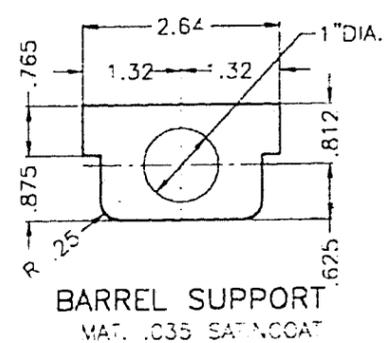
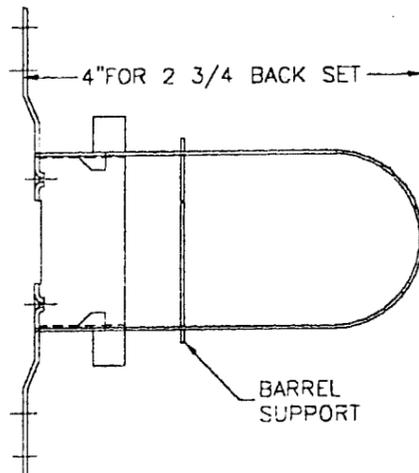
EXISTING MASONRY (POURED, PRECAST OR UNIT)  
(6) 5/16"x 4 3/4" "WED-IT" FLAT HEAD MACHINE SCREW WITH EXPANSION SHIELD  
(TEST UNIT A-2)

NEW UNIT MASONRY  
(6) WIRE ANCHORS (Ø.175" DIA.) X HCRZ. MORTAR JOINTS;  
FILL JAMBS SOLD WITH MORTAR "DAYBAR # PT1-001"

*[Signature]*  
9/1/98



DOOR HINGE REINFORCING



2 3/4" DEADBOLT STRIKE REINFORCEMENT (ANSI A115.17)

PRODUCT RENEW

ACCEPTANCE NO. 01-0730 01

EXPIRATION DATE Sep. 24, 2006

PRODUCT CONTROL DIVISION

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE September 24, 1998

BY Ishaq I. Chaudhry

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 98-0528-02

ENGINEER: <b>K. WHITFIELD</b>		DISCIPLINE: <b>MECHANICAL</b>	
FLORIDA REGISTRATION NO: <b>24140</b>		DRAWN BY <b>v.s.p.</b>	
SCALE: <b>NTS</b>	APPROVED BY:		REVISED
DATE: <b>05/22/98</b>	DAYBAR INDUSTRIES LIMITED		
1235 AEROWOOD DR. V. SS. SAUGA, ONT. L4W 1B9			
DADE COUNTY-PRODUCT APPROVAL SERIES LS18			DRAWING NUMBER <b>HMD 0901</b>
HOLLOW METAL DOOR COMPONENT DETAILS			4 OF 5

*K. Whitfield*

9/1/98

