



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)

www.buildingcodeonline.com

Daybar Industries Limited
1235 Aerowood Drive
Mississauga, Ontario, Canada L4W 1B9

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series LS18, Flush Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No "05-123", titled "Series LS18 Flush Outswing Commercial Steel Doors", sheets 1 through 5 of 5 prepared by Tilteco Inc, dated 06/15/05, signed and sealed by Walter A. Tillit Jr. , 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.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: 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", 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 **renews NOA # 05-0620.09** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



10/2/16

NOA No 06-0612.03
Expiration Date: October 26, 2011
Approval Date: October 26, 2006
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # 05-0620.09)

1. Manufacturer's parts and sections drawings.
2. Drawing No "05-123", titled "Series LS18 Flush Outswing Commercial Steel Doors", sheets 1 through 5 of 5 prepared by Tilteco Inc, dated 06/15/05, signed and sealed by Walter A. Tillit Jr. , P. E..

B. TESTS (transferred from file # 05-0620.09) The original test conducted per PA 201, 202, 203-94, now termed as TAS 201, TAS 202 & 203-94:

1. Test Report No. **FTL-1735**, prepared by Fenestration Testing Laboratory Inc., dated December 16, 1997, re-issued on 7-18-98 signed and sealed by Gilbert Diamond, P.E., for the following tests:
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94 (single door only)
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with manufacturer's parts and section drawings marked by Fenestration Testing Laboratory.

2. Test Report No. **FTL-1736**, prepared by Fenestration Testing Laboratory Inc., dated 02-25-1998, re-issued on 8-17-1998, signed and sealed by Gilbert Diamond, P.E., for the following tests:
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) No Water Resistance Test performed.
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

Along with manufacturer's parts and section drawings marked by Fenestration Testing Laboratory

C. CALCULATIONS

1. Anchor Verification Calculations, complying w/ FBC-2004, dated 06-16-2005, prepared, signed and sealed by Walter A. Tillit Jr., P. E.
2. Anchor calculations & comparative analysis prepared by Kelvyn Whitfield, P.E., Consulting Engineer, Inc., dated 03-17-98 revised on 09-01-98, signed and sealed by Kelvyn Whitfield, P.E. (*Submitted under NOA# 01-0730.01*)

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

Ishaq I. Chanda

Ishaq I. chanda, P.E.

Product Control Examiner

NOA No 06-0612.03

Expiration Date: October 26, 2011

Approval Date: October 26, 2006

Daybar Industries Limited.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (*Submitted under NOA # 05-0620.09*)

1. Tensile test report prepared by ATC associate Inc., report No. 13974.0001(FTL#1735-A2, A3 & FTL#1736-A1, A2.), dated August 28, 1998 for Steel samples, tested per ASTM E-A370-97-a, signed and sealed by Peter Read, P.E.

F. STATEMENTS

1. Statement letter dated 05-26-06, verifying "Tilteco, Inc." still in business, signed and sealed by Walter A. Tillit Jr., P. E.
2. Statement letter of anchor verification compliance to FBC-2004, dated June 10, 2005, signed by Walter A. Tillit Jr., P. E.
3. Statement letter of conformance & "No financial interest", dated March 17, 1998, signed by Kelvyn Whitfield, P. E. (*Submitted under NOA# 01-0730.01*)
4. Statement letter of compliance issued by Fenestration Testing Laboratories, as part of above referenced test report.

G. OTHER

1. This NOA renews NOA # **05-0620.09**, expiring **October 26, 2011**.
2. Manufacturer/Distributor agreement dated February 19, 1998. (Transferred from NOA 98-0528.02)
3. Notice of Acceptance No. 01-0730.01, issued to Daybar Industries Limited., For their Series LS18, Flush Outswing Commercial Steel Door, expiring on 09/24/06.
4. The other NOA(s) associated with this file are 01-0730.01 & 98-0528.02.

Ishaq I. Chanda

Ishaq I. chanda, P.E.

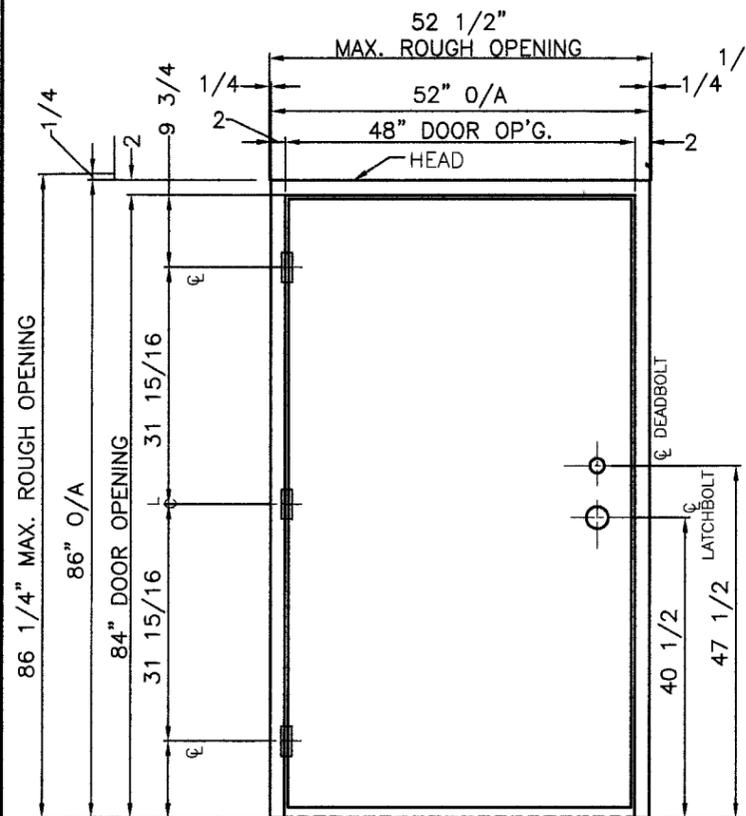
Product Control Examiner

NOA No 06-0612.03

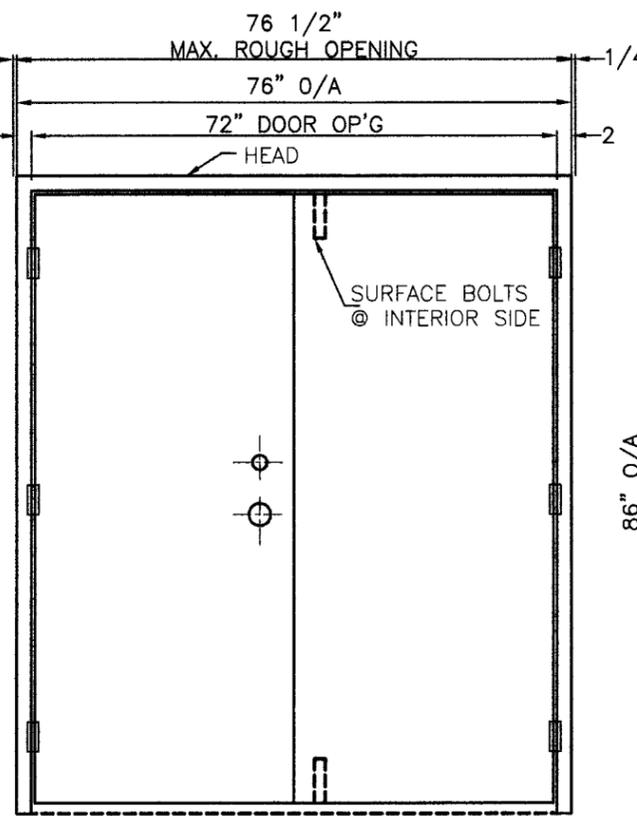
Expiration Date: October 26, 2011

Approval Date: October 26, 2006

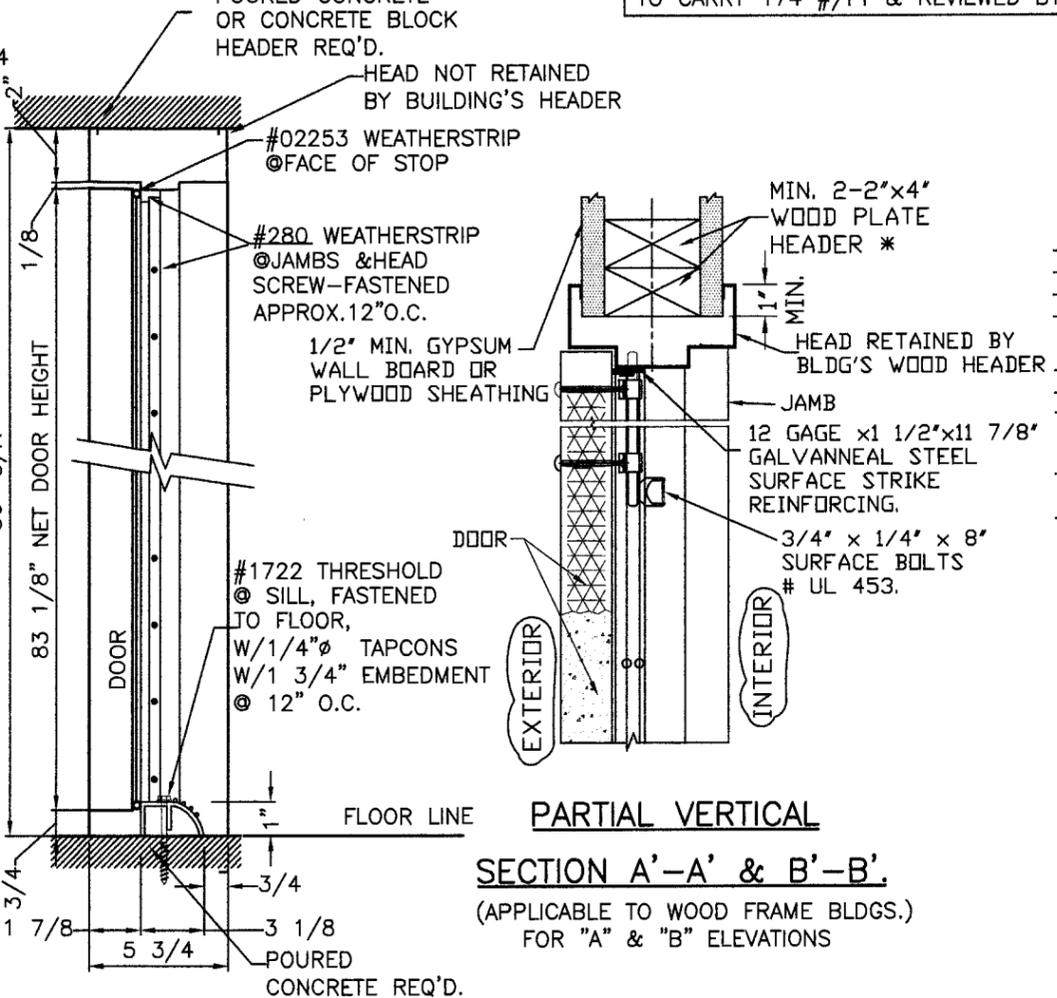
* STRUCTURAL MEMBER AT HEADER MUST BE DESIGNED TO CARRY 174 #/FT & REVIEWED BY BUILDING OFFICIAL.



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



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

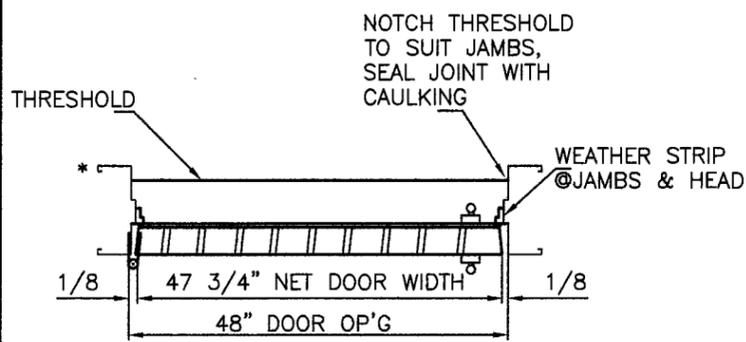


PARTIAL VERTICAL SECTION A'-A' & B'-B'
(APPLICABLE TO WOOD FRAME BLDGS.)
FOR "A" & "B" ELEVATIONS

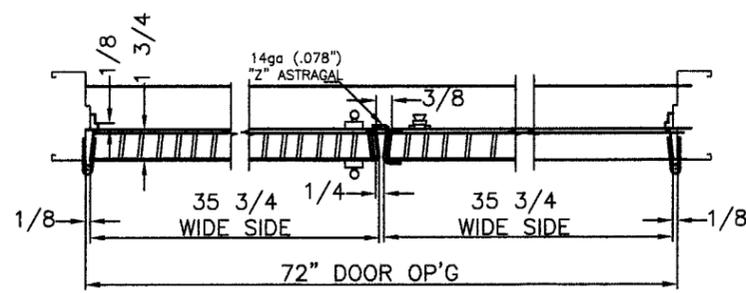
- BILL OF MATERIALS:**
- NOTE:**
ALL STEEL HOT-DIP GALVANIZED TO ASTM A653 (CQ,LFQ), COATING DESIGNATION A25 (ZF75).
- FRAME:**
- JAMBS & HEAD: 16ga (.057" MIN.)
 - HINGE REINF: 10 ga (.134" MIN.)
 - STRIKE/DEADBOLT REINF: 14ga (.075" MIN.)
 - MORTAR GUARDS 22ga (.027").
- DOOR:**
- FACE SHEET: 18ga (.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 #92180
 - 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.

VERTICAL SECTION:
FOR "A" & "B" ELEVATIONS

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 06-061203
Expiration Date OCT 26, 2011
By Ishag J. Chaudhry
Miami Dade Product Control Division



HORIZONTAL SECTION "A"



HORIZONTAL SECTION "B"

* SEE SHEET NUMBER 3 FOR JAMB ANCHORING DETAILS

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

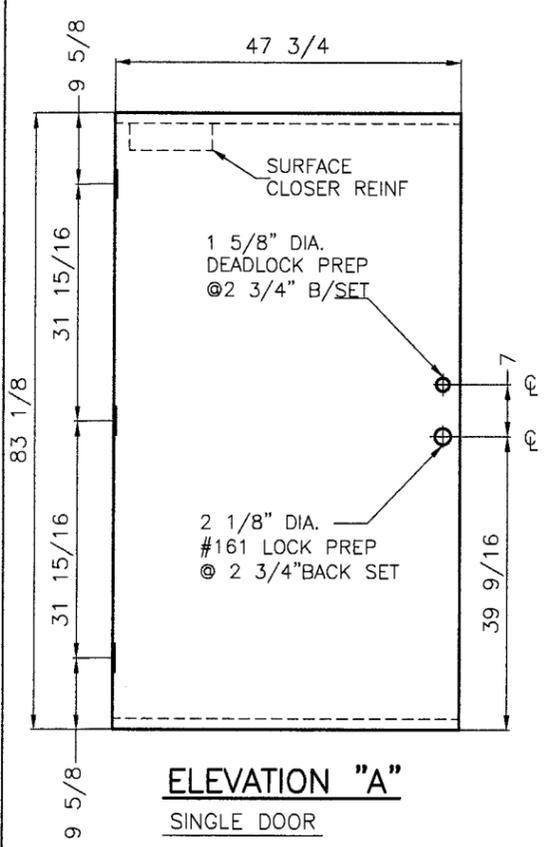
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-062009
Expiration Date SEPTEMBER 24, 06
By Ishag J. Chaudhry
Miami Dade Product Control Division

TILECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT, Jr., P. E.
FLORIDA Lic. # 44167

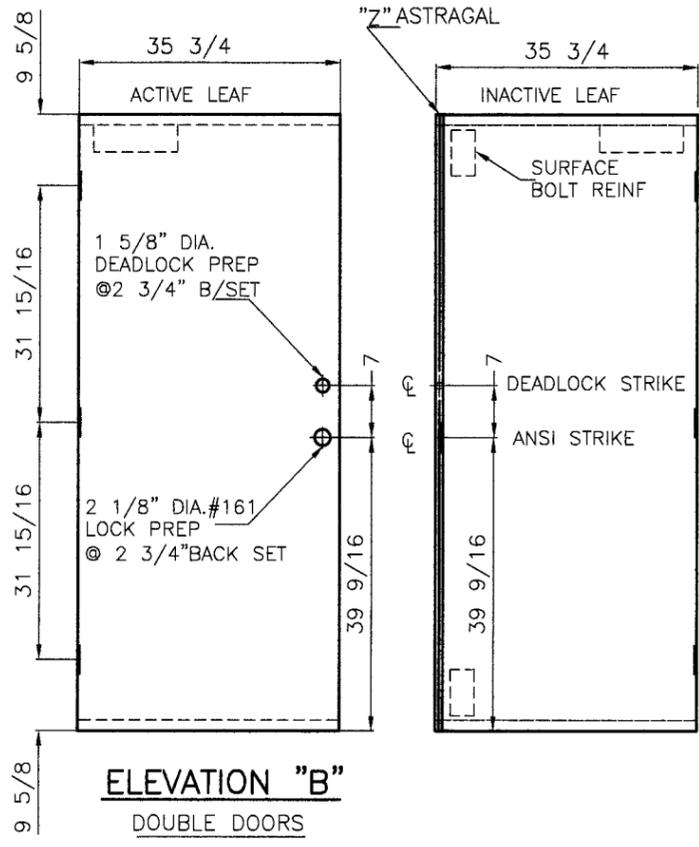
SCALE: NTS
DATE: 06/02/05
APPROVED BY: _____
DRAWN BY: S.P.
(OLD HMD 0901)
DRAWING NUMBER: 05-123
SHEET: 1 OF 5

DAYBAR INDUSTRIES LIMITED
1235 AEROWOOD DR. MISSISSAUGA, ONT. L4W 1B9
DADE COUNTY-PRODUCT APPROVAL
HOLLOW METAL DOOR ASSEMBLY DETAILS

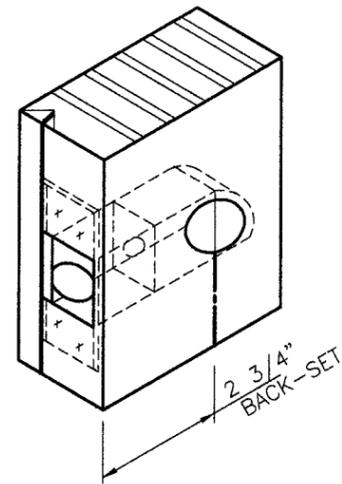
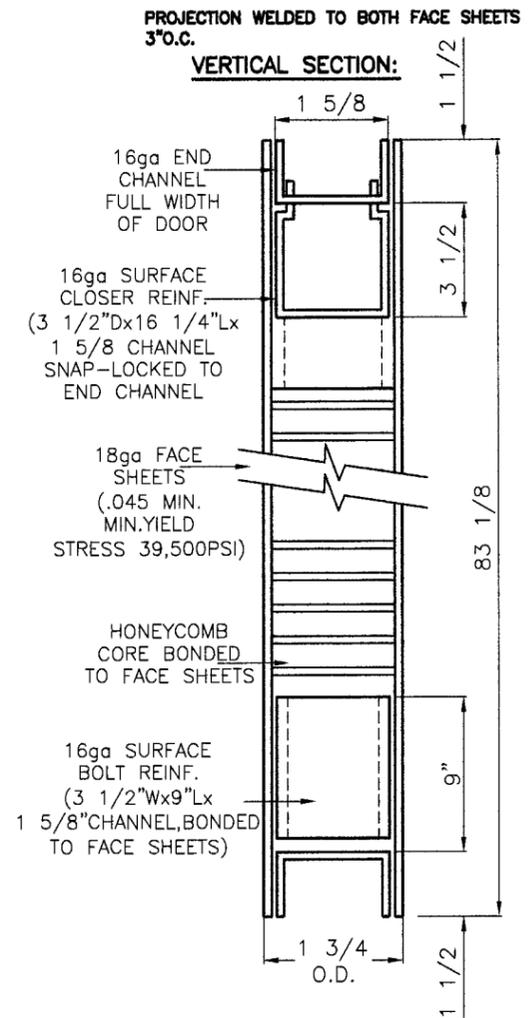
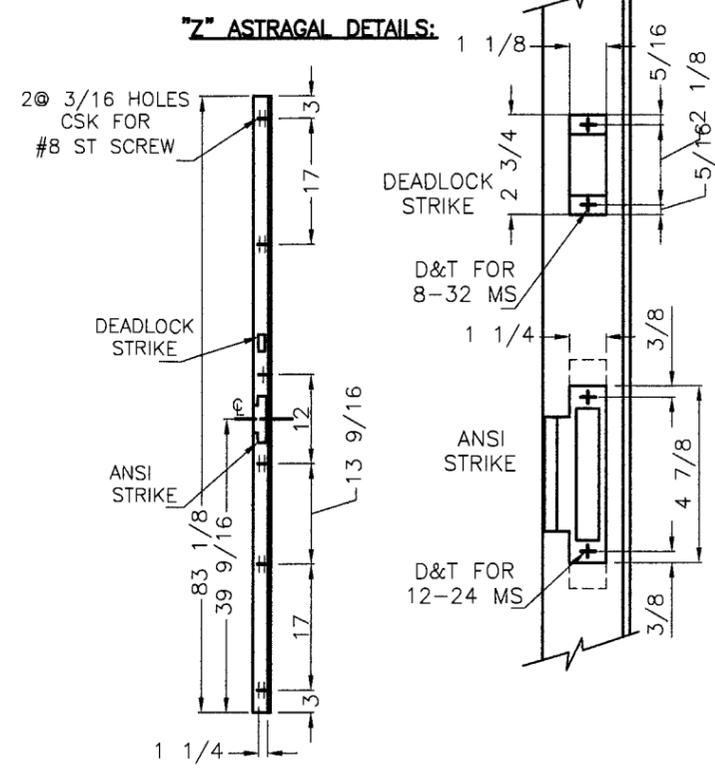
6/15/06



ELEVATION "A"
SINGLE DOOR



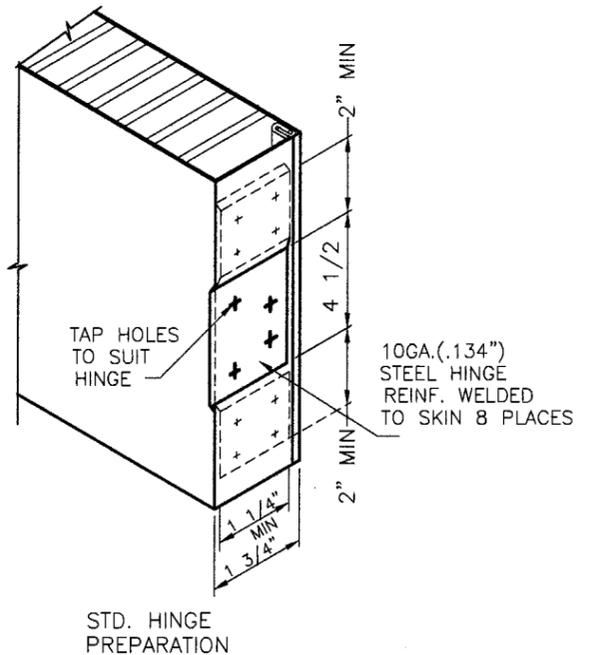
ELEVATION "B"
DOUBLE DOORS



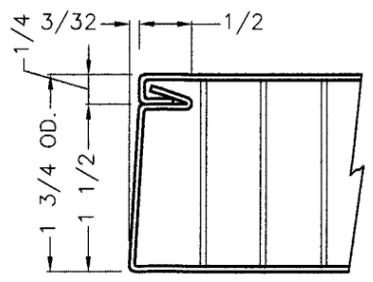
161
STD. CYLINDRICAL
LOCK PREPARATION
(ANSI A115.2)

(DEADLOCK
PREPARATION
SIMILAR).

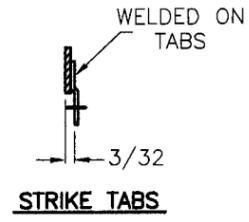
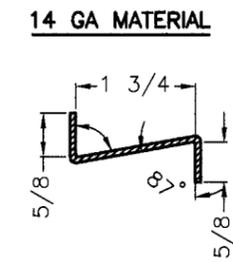
SEE DWG. NO.4
FOR REINFORCING
DETAILS



STD. HINGE
PREPARATION



**VERTICAL EDGE
DETAIL**



STRIKE TABS

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.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 06-0612-03
Expiration Date OCT 26, 2011

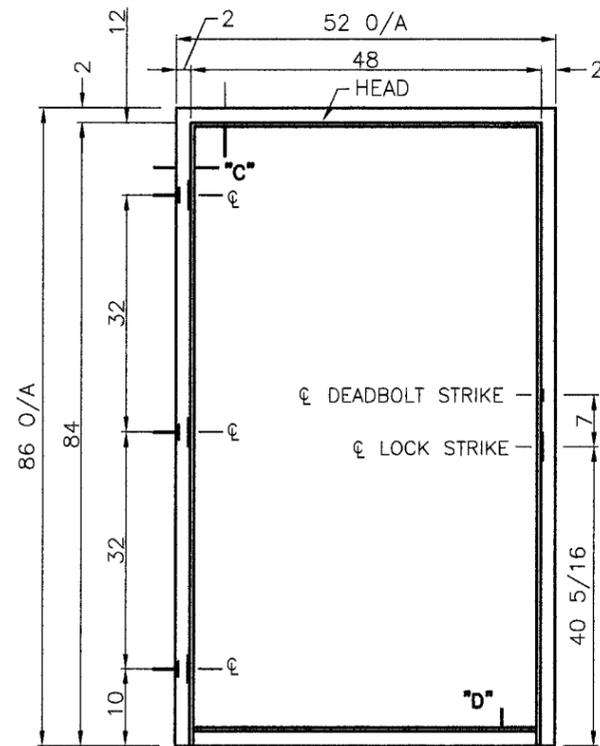
By Isaac I. Chanda
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-0629-09
Expiration Date SEP 24, 2006

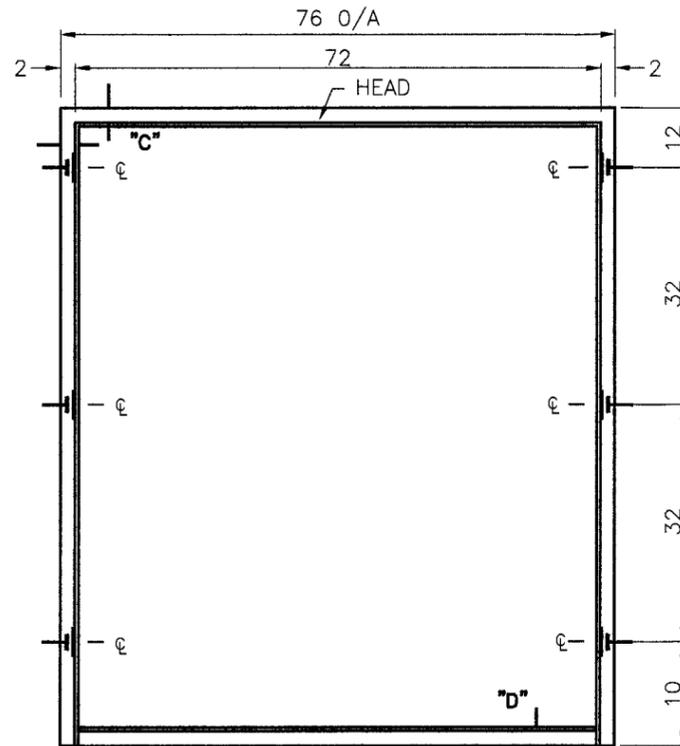
By Isaac I. Chanda
Miami Dade Product Control
Division

06/15/06

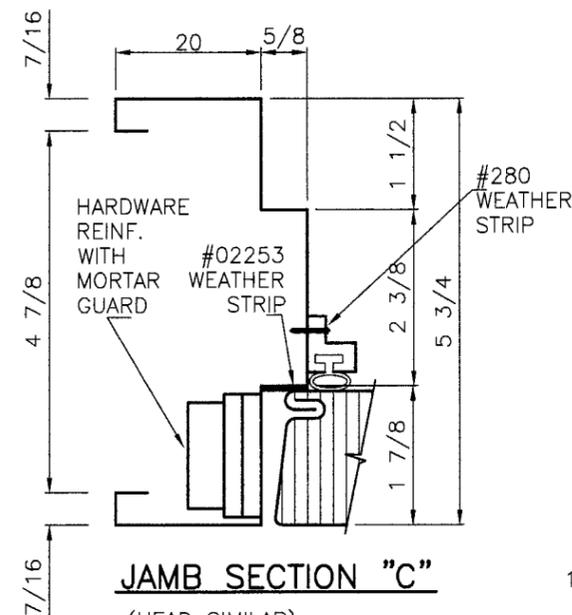
 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167	SCALE: NTS	APPROVED BY:	DRAWN BY S.P.
	DATE: 06/02/05		(OLD HMD 0901)
	DAYBAR INDUSTRIES LIMITED 1235 AEROWOOD DR. MISSISSAUGA, ONT. L4W 1B9		DRAWING NUMBER 05-123
	DADE COUNTY-PRODUCT APPROVAL HOLLOW METAL DOOR ASSEMBLY DETAILS		SHEET 2 OF 5



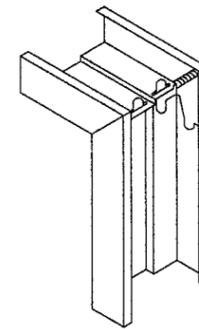
ELEVATION "A"
SINGLE DOOR FRAME



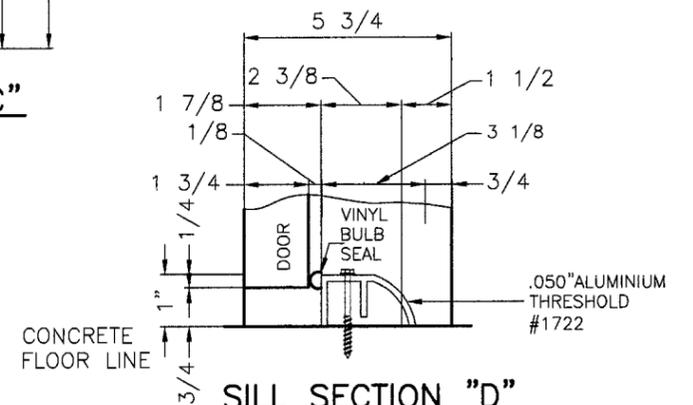
ELEVATION "B"
DOUBLE DOOR FRAME
JAMB ANCHOR LOCATION



JAMB SECTION "C"
(HEAD SIMILAR)
SEE SHEET NO. 5 FOR REINFORCING DETAILS



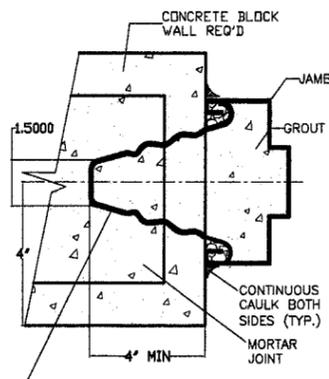
WELDED CORNER DETAIL
DIEMITTED CORNER CONT. WELDED INSIDE FACES & AT RETURNS



SILL SECTION "D"
#1722 THRESHOLD SCREWED TO SILL W/ 1 1/4" Ø TAPCONS W/ 1 3/4" EMBEDMENT @ 12" O.C.

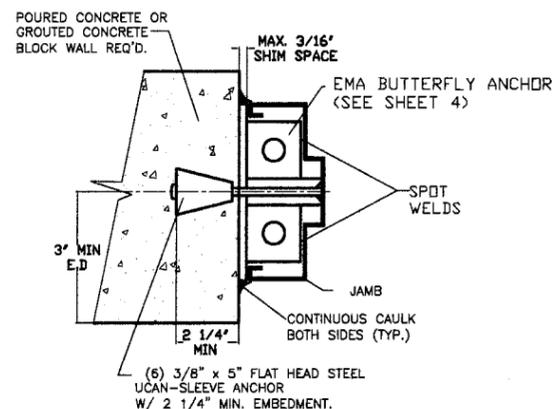
JAMB ANCHORING DETAILS:

(NO ANCHORS IN HEAD ARE REQUIRED WHEN HEADER & JAMBS SUBSTRATE IS CONCRETE OR GROUTED CONCRETE BLOCK HEAD IS REQ'D. TO BE RETAINED BY EXISTING BUILDINGS WOOD HEADER, WHEN HEADER & JAMBS SUBSTRATE IS WOOD)

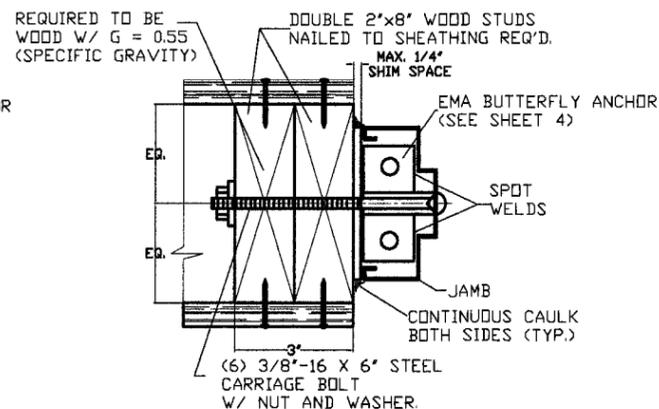


(6) MASONRY WIRE ANCHORS (0.175"Ø, SEE SHEET 4) IN HORIZ. MORTAR JOINTS; FILL JAMBS SOLID WITH GROUT PER ASTM C476 W/ MIN. COMPRESSION STRENGTH OF 2.5 KSI.

WIRE ANCHOR INSTALLATION TO MASONRY WALLS



INSTALLATION OF UCAN SLEEVE ANCHORS TO MASONRY WALLS



INSTALLATION OF 3/8"Ø CARRIAGA BOLT TO WOOD FRAME WALLS

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 22ga (.027").

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 06-0612.03
Expiration Date OCT 26, 2011

By Ishag I. Chanda
Miami Dade Product Control Division

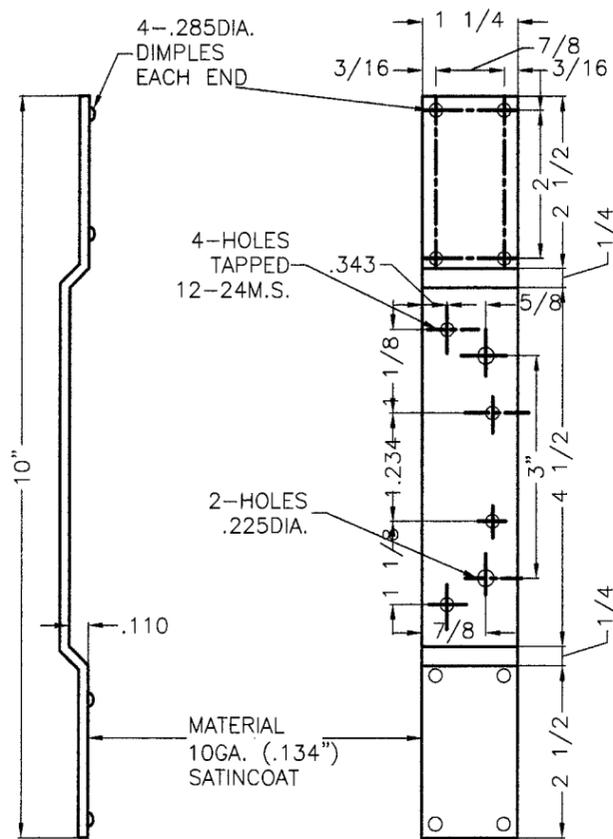
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-0620.09
Expiration Date SEP 24, 2006

By Ishag I. Chanda
Miami Dade Product Control Division

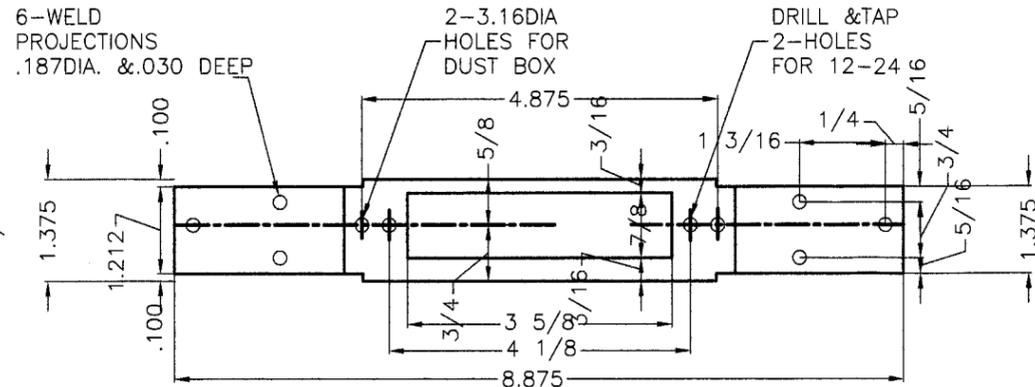
TILECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6335 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr. P. E.
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SCALE: NTS	APPROVED BY:	DRAWN BY S.P.
DATE: 06/02/05		(OLD HMD 0901)
DAYBAR INDUSTRIES LIMITED 1235 AEROWOOD DR. MISSISSAUGA, ONT. L4W 1B9		DRAWING NUMBER 05-123
DADE COUNTY-PRODUCT APPROVAL HOLLOW METAL DOOR ASSEMBLY DETAILS		SHEET 3 OF 5

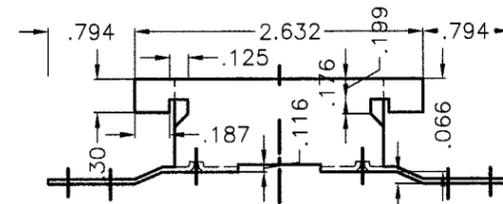
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6/15/06



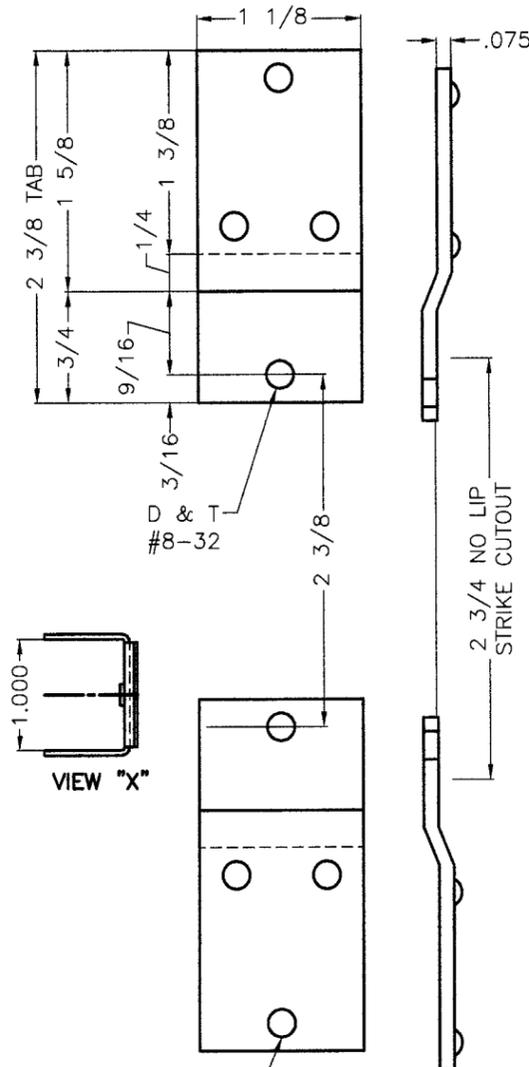
DOOR HINGE REINFORCING



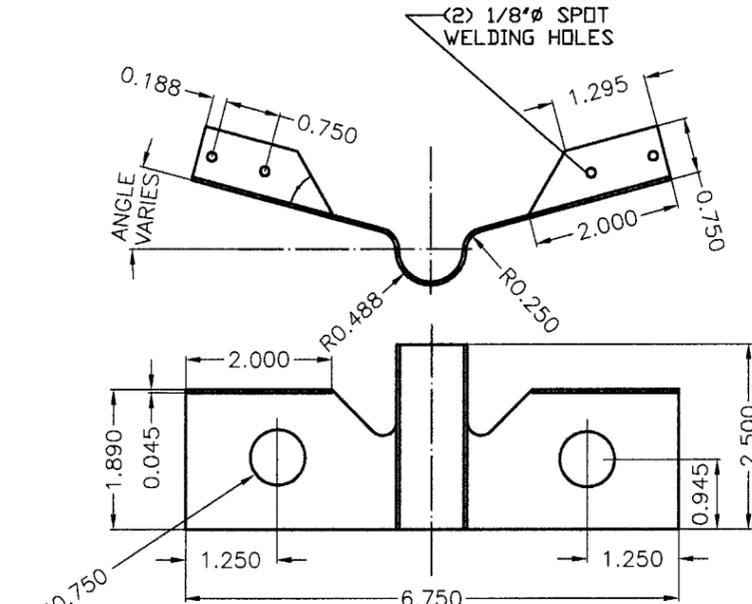
4 7/8" A.S.A. STRIKE REINF. BAR
MATERIAL 12GA. (.097") SATINCOAT (ANSI A115.1,2)



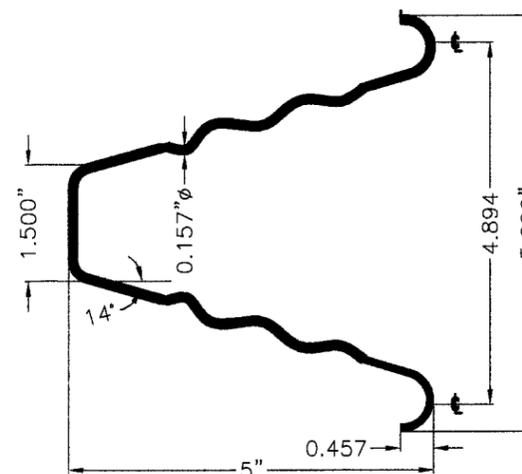
#161 EDGE REINFORCING
MAT. .045 SATINCOAT



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

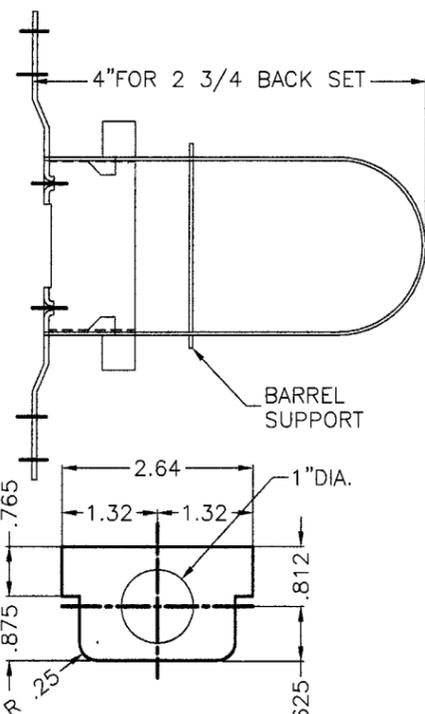


EMA BUTTERFLY ANCHOR
MATERIAL: 18 GA SATIN COAT

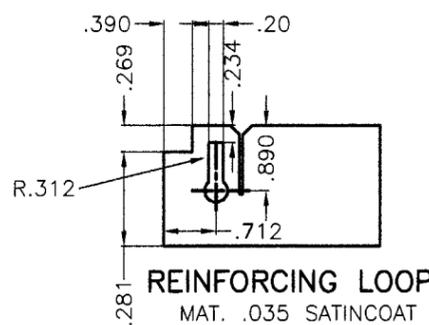


WIRE ANCHOR

STEEL WIRE ANCHORS (0.175" DIA, 9 1/2" LONG) IN HORIZ.
Fu Min.=95.9 Ksi, Fy Min.=40.2 Ksi



BARREL SUPPORT
MAT. .035 SATINCOAT



REINFORCING LOOP
MAT. .035 SATINCOAT

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 06-0612-03
Expiration Date OCT 26, 2011

By Ishag I. Chanda
Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 05-0620-09
Expiration Date SEP 24, 2006

By Ishag I. Chanda
Miami Dade Product Control Division

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530, Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

ENGINEER:	DISCIPLINE:	
FLORIDA REGISTRATION NO:		
SCALE: NTS	APPROVED BY:	DRAWN BY S.P.
DATE: 06/02/05		(OLD HMD 0901)
DAYBAR INDUSTRIES LIMITED		
1235 AEROWOOD DR. MISSISSAUGA, ONT. L4W 1B9		
DADE COUNTY-PRODUCT APPROVAL		
HOLLOW METAL DOOR COMPONENT DETAILS		
DRAWING NUMBER		05-123
SHEET		4 OF 5

[Handwritten signature]
6/15/06

