



**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.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

CECO Door Products
9159 Telecom Drive
Milan, TN 38358

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: Imperial Series "8070 / 4070" Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No "05-183", titled "Series 8070 Elevation Drawing Flush & Glazed Imperial Doors", dated 07-26-05 and last revised on 12/20/05, sheets 1 through 16 of 16 prepared by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P. E., bearing the Miami-Dade County Product Control Revision 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 revises & supersedes NOA # 04-0611.04 consists of this page 1 and evidences page E-1 &E-2, as well as approval document mentioned above.

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

NOA No 05-0809.02
Expiration Date: August 05, 2009
Approval Date: January 12, 2006
Page 1



12/22/05

CECO Door Products.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and sections drawings.
2. Drawing No "05-183", titled "Series 8070 Elevation Drawing Flush & Glazed Imperial Doors", dated 07-26-05 and last revised on 12/20/05, sheets 1 through 16 of 16 prepared by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P. E .

B. TESTS (transferred from file#04-0611.04)

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94 (except sp# 7 louver)
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistant Test, per FBC, TAS 202-94 (Not Performed)
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of outswing steel door, prepared by Hurricane Test Laboratory, LLC, Test Report No. HTL-0345-0203-04 (HTL-04017), (specimen # 1, 2, 3, & 5), dated 02/11/04 thru 02/21/04, signed and sealed by Vinu J. Abraham, P.E

C. CALCULATIONS:

1. Anchor verification calculations, complying w/ FBC-2004, dated 08-15-2005, prepared, signed and sealed by Walter A. Tillit Jr., P. E.
2. Anchor verification calculations, 05/24/04, prepared, signed and sealed by Walter A. Tillit Jr., P. E. (transferred from file#04-0611.04)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS (transferred from file#04-0611.04)

1. Test reports No. R5692/01NK36633, issued by Underwriters Laboratories Inc. for polyurethane foam cores "Surface burning characteristics" per ASTM E-84, dated September 21, 2001, issued to BASF. Corp.
2. Test report No.01.10085.01.627, dated April 29, 2004, for "Self ignition test" per ASTM 1929 D for the BASF polyurethane foam cores, issued by Southwest Research Institute, Texas.
3. Tensile Test report No. Job# 4DM-426, dated March 13, 2004, issued by Q C Metallurgical, Inc, per ASTM E-8, signed & sealed by Frank E. Grate, P.E

Ishaq I. Chanda

Ishaq I. chanda, P.E.

Product Control Examiner

NOA No 05-0809.02

Expiration Date: August 05, 2009

Approval Date: January 12, 2006

CECO Door Products.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (transferred from file# 04-0611.04)

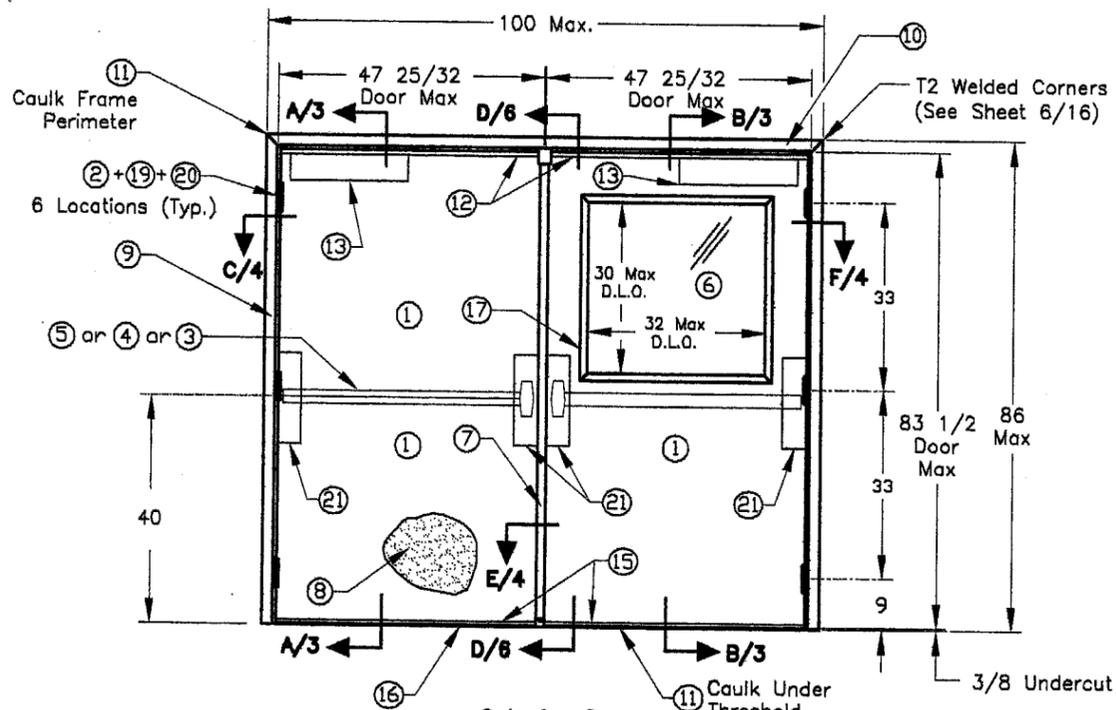
1. Statement letter of anchor verification compliance to FBC-2004, dated July 29, 2005, signed by Walter A. Tillit Jr., P. E.
2. Statement letter of conformance and "No financial interest", both dated June 09, 2004, signed by Walter A. Tillit Jr., P. E.
3. Statement letter of compliance issued by Hurricane Testing Laboratory LLC., as part of above referenced test report.
4. Statement letter dated 12/19/05, issued by Ceco Door products, requesting deleting of wood installation options, signed by Larry Tyler.

G. OTHER

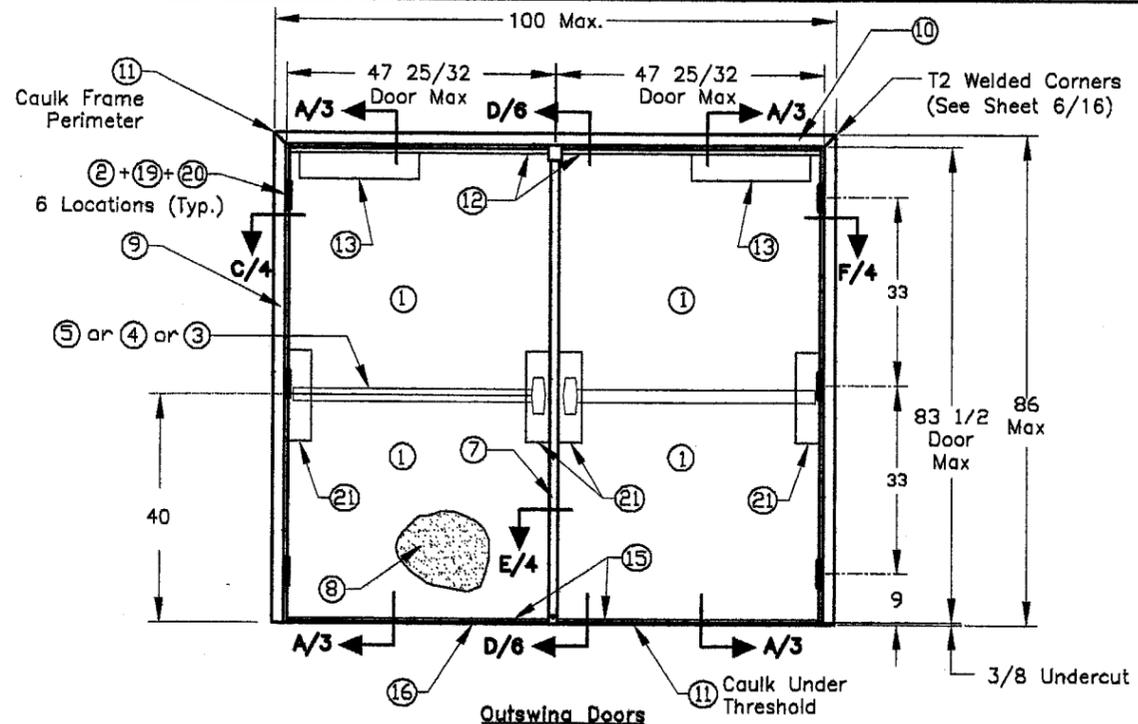
1. This NOA revises & supersedes NOA #04-0611.04, expiring August 05, 2009.
2. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC) (transferred from file#04-0611.04).

Ishaq I. Chanda

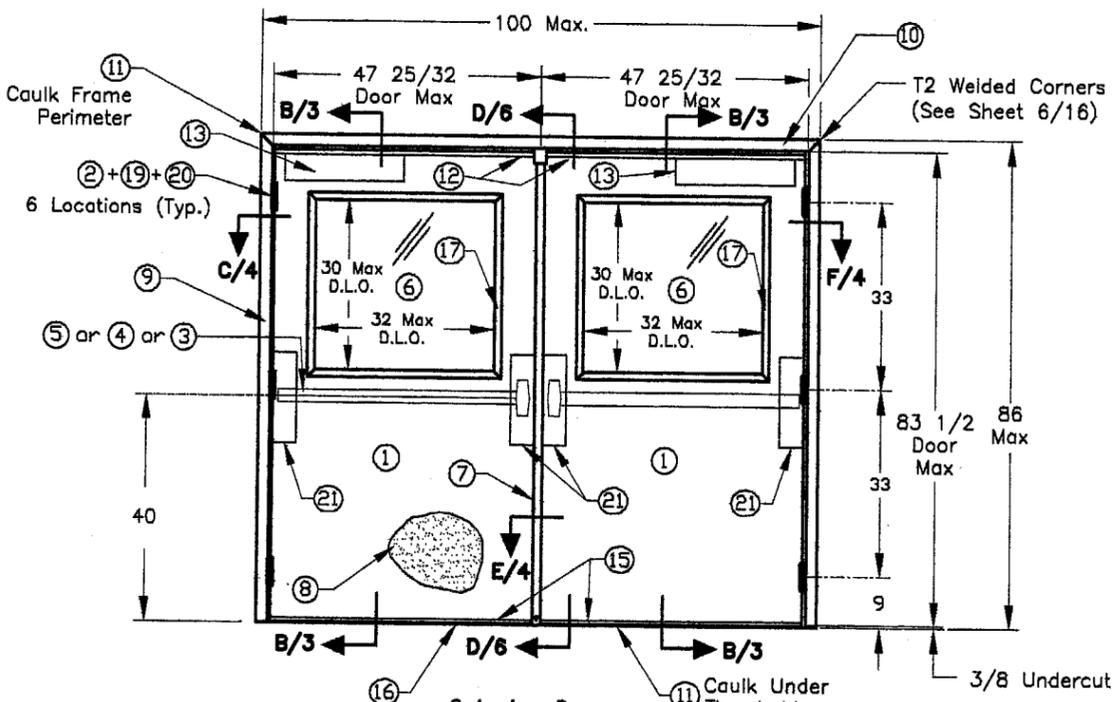
Ishaq I. chanda, P.E.
Product Control Examiner
NOA No 05-0809.02
Expiration Date: August 05, 2009
Approval Date: January 12, 2006



Outswing Doors
(Interior View)
Rim Exit Devices With Hardware Mullion



Outswing Doors
(Interior View)
Rim Exit Devices With Hardware Mullion



Outswing Doors
(Interior View)
Rim Exit Devices With Hardware Mullion

General Notes for 8070 Series Flush & Glazed Imperial Doors:

1. Double 8070 Series Imperial Outswing Commercial Steel Door w/series "SF" frame jamb and head, shown on this Product Approval Document (P.A.D.) has been verified for compliance in accordance with the 2004 edition of the Florida Building Code. Door may be installed at High Velocity Hurricane Zones. Design wind loads shall be determined as per section 1620 of the above mentioned code. In order to verify that components on this P.A.D., as tested, were not overstressed, a 33% increase in allowable stress for wind loads was **NOT** used in their analysis. A CD=1.60 duration factor was used for wood fasteners verification. This Door's adequacy for impact and cyclic resistance has been verified in accordance with section 1609.1.4 of the above mentioned code as per TAS-201, TAS-202, TAS-203 protocols, as per HTL lab report #0345-0203-04 and as per submitted structural calculations, performed as per section 1612 of the Florida Building Code.
2. **Design Pressure Rating: +70 psf, -70 psf** This Door IS NOT Approved for Water Infiltration
3. Minimum Frame Depth: 5 3/4"
4. See Sheet 7, 8, 9 & 14 for Component Nomenclature
5. See Sheet 5 for Anchor Details and Location
6. All Dimensions are in inches
7. This Door **DOES NOT** require a Hurricane Protection Device
8. (a) This P.A.D. prepared by this engineer is generic and does not provide information for a site specific project; i.e. where the site conditions deviate from the P.A.D.
(b) Contractor to be responsible for the selection, purchase and installation including life safety of this product, based on this P.A.D., provided he/she does not deviate from the conditions detailed on this document. Construction safety at site is the contractor's responsibility.
(c) This P.A.D. will be considered invalid if altered by any means.
(d) Original P.A.D. shall bear the date and original seal and signature of the professional engineer of record that prepared it.
9. Door's manufacturer label shall be placed on the exposed surface of 9 or 10. One label shall be placed for every opening. Label shall read as follows:
CECO DOOR PRODUCTS
9159 Telecom Drive
Milan, Tennessee
Miami-Dade County Product Control Approved.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 05-0809-02
Expiration Date AUG 05 2009
By Shag J. Chanda
Miami Dade Product Control Division

MIAMI-DADE COUNTY

WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 • Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive
Primer, One Coat

8070 Series Elevation Drawing
Flush & Glazed Imperial Doors

CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD RDO849 07-26-05
GENERAL 12-19-05
DRAWN BY: S.M./M.C.V. DATE: 07-26-05
DRAWING NUMBER:
05-183
Sheet 1 Of 16

General Notes for 4070 Series Flush & Glazed Imperial Doors:

1. Single 4070 Series Imperial Outswing Commercial Steel Door w/series "SF" frame jamb and head, shown on this Product Approval Document (P.A.D.) has been verified for compliance in accordance with the 2004 edition of the Florida Building Code. Door may be installed at High Velocity Hurricane Zones. Design wind loads shall be determined as per section 1620 of the above mentioned code. In order to verify that anchors on this P.A.D., as tested, were not overstressed, a 33% increase in allowable stress for wind loads was **NOT** used in their analysis. A CD=1.60 duration factor was used for wood fasteners verification. This Door's adequacy for impact and cyclic resistance has been verified in accordance with section 1609.1.4 of the above mentioned code as per TAS-201, TAS-202, TAS-203 protocols, as per HTL lab report #0345-0203-04 and as per submitted structural calculations, performed as per section 1612 of the Florida Building Code.

2. Design Pressure Rating: +70 psf, -70 psf

This Door **IS NOT** Approved for Water Infiltration

3. Minimum Frame Depth: 5 3/4"

4. See Sheet 7, 8, 9 & 14 for Component Nomenclature

5. See Sheet 5A for Anchor Details and Location

6. All Dimensions are in inches

7. This Door **DOES NOT** require a Hurricane Protection Device

8. (a) This P.A.D. prepared by this engineer is generic and does not provide information for a site specific project; i.e. where the site conditions deviate from the P.A.D.

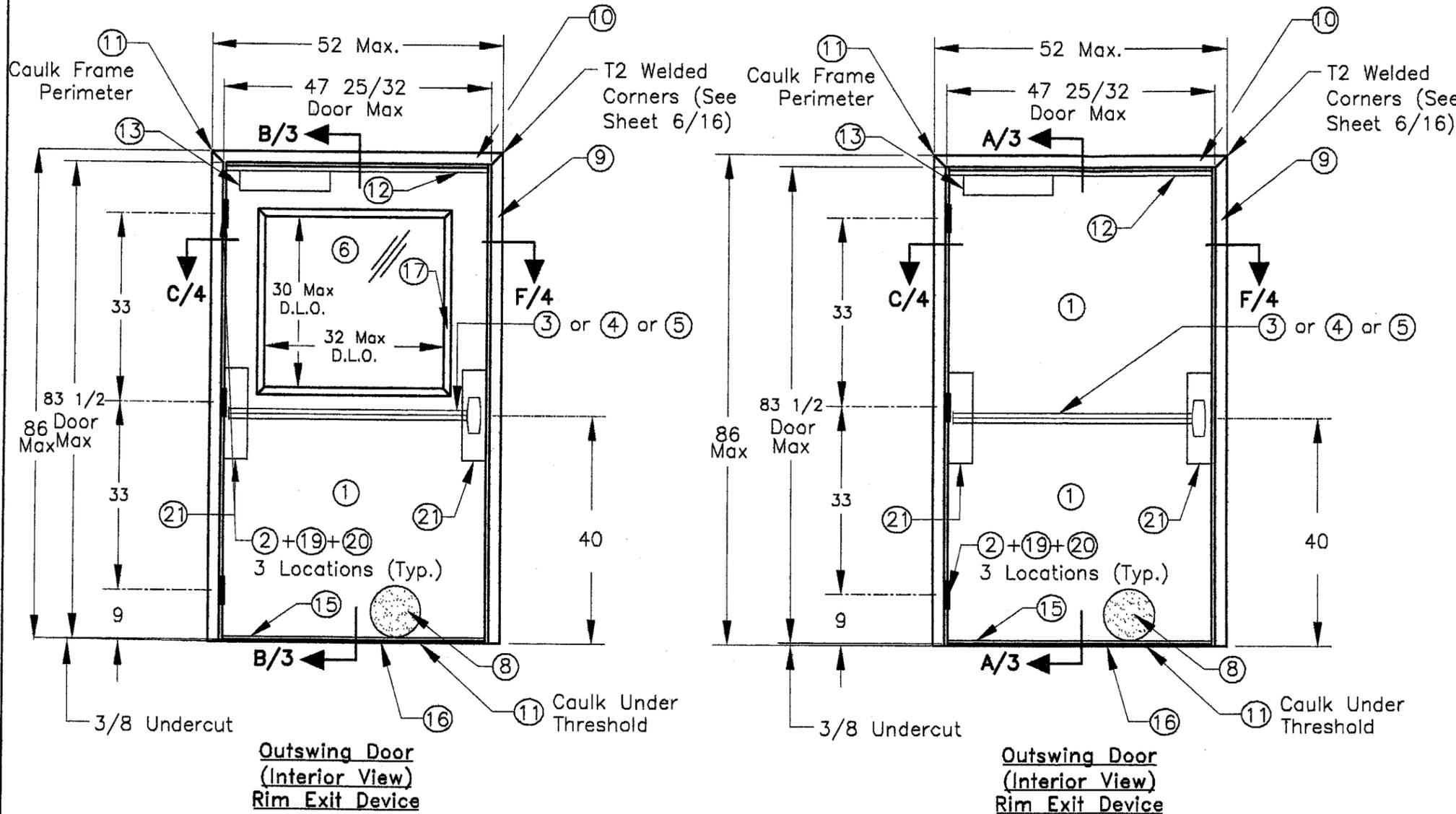
(b) Contractor to be responsible for the selection, purchase and installation including life safety of this product, based on this P.A.D., provided he/she does not deviate from the conditions detailed on this document. Construction safety at site is the contractor's responsibility.

(c) This P.A.D. will be considered invalid if altered by any means.

(d) Original P.A.D. shall bear the date and original seal and signature of the professional engineer of record that prepared it.

9. Door's manufacturer label shall be placed on the exposed surface of ⑨ or ⑩. One label shall be placed for every opening. Label shall read as follows:

CECO DOOR PRODUCTS
9159 Telecom Drive
Milan, Tennessee
Miami-Dade County Product Control Approved.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0809-02
Expiration Date 04/05/2009
By Isaac J. Lhays
Miami Dade Product Control
Division

MIAMI-DADE COUNTY

[Signature]
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

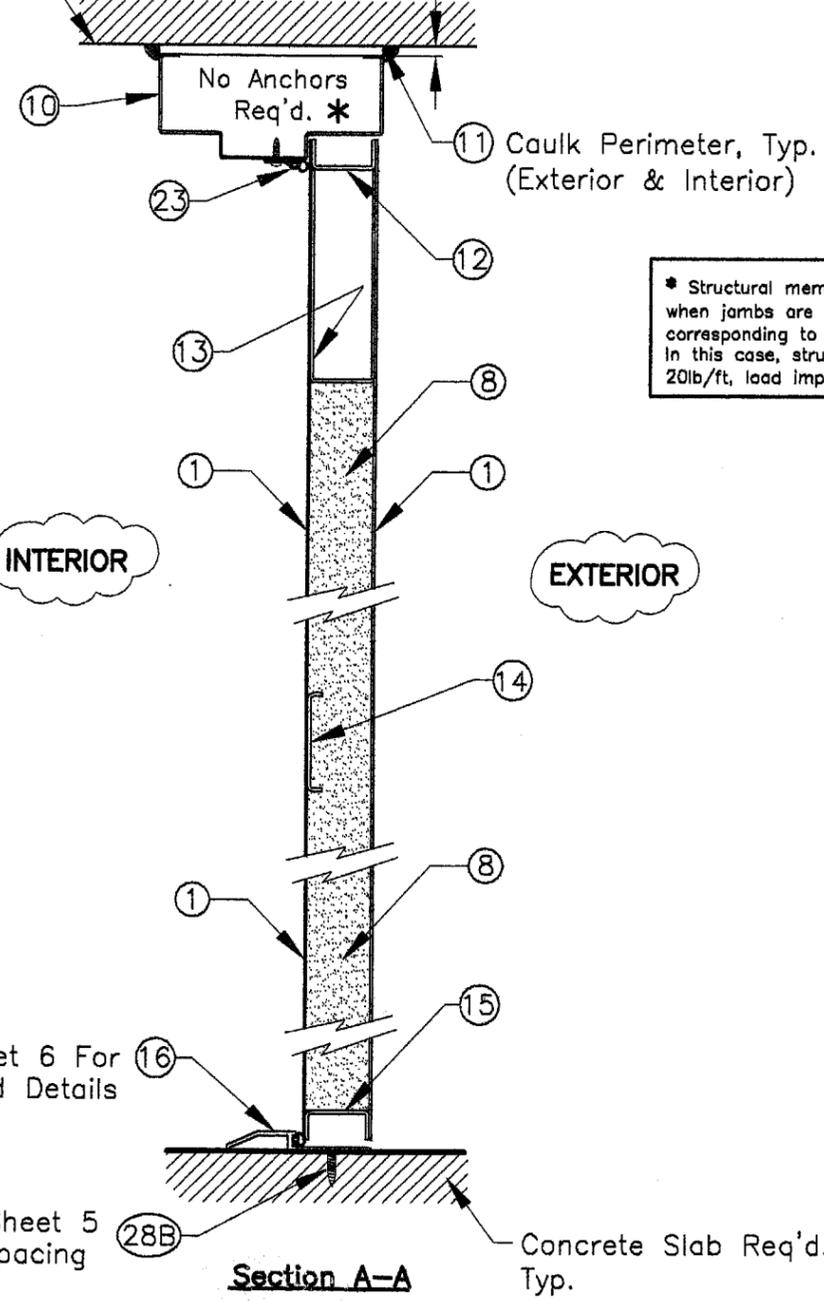
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6395 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
Phone : (305)871-1530 Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive
Primer, One Coat

4070 Series Elevation Drawing
Flush & Glazed Imperial Doors
CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD R00849 07-26-05
GENERAL 12-19-05
DRAWN BY: S.M./M.C.V. DATE: 07-26-05
DRAWING NUMBER: 05-183
Sheet 2 Of 16

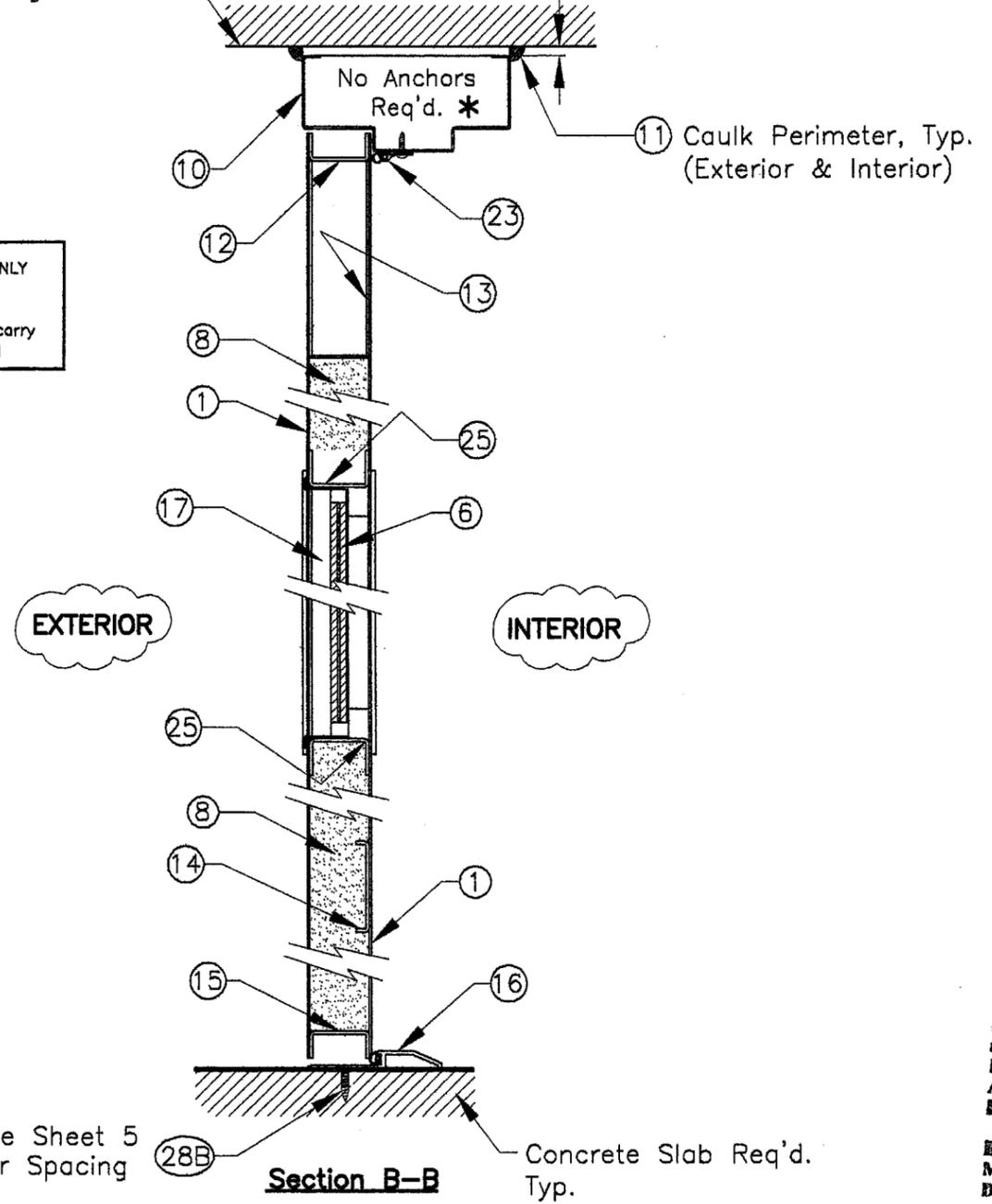
Existing Structure 1/4" Shim Max, Typ.



* Structural member 10 at Head Must be Filled w/ concrete ONLY when jambs are all filled w/ concrete w/o anchors. (For case corresponding to sections A-A & E-E on sheet 5) In this case, structural member at head must be designed to carry 20lb/ft. load imposed and must be reviewed by Building Official

See Sheet 7, 8 & 9 for Component Nomenclature

Existing Structure 1/4" Shim Max, Typ.



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 05-0809.02 Expiration Date Aug 25, 2009 By Ishag I. Lhanda Miami Dade Product Control Division

MIAMI-DADE COUNTY

Walter A. Tillit Jr.
12/20/05
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

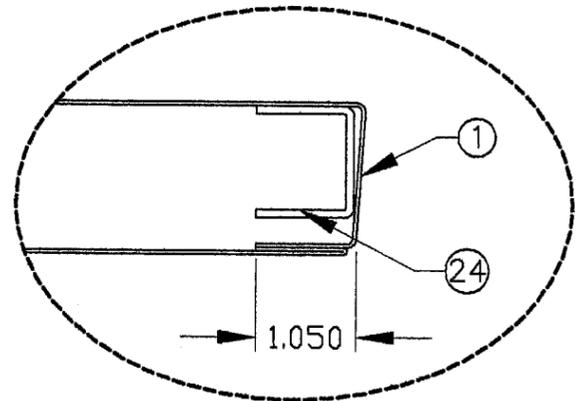
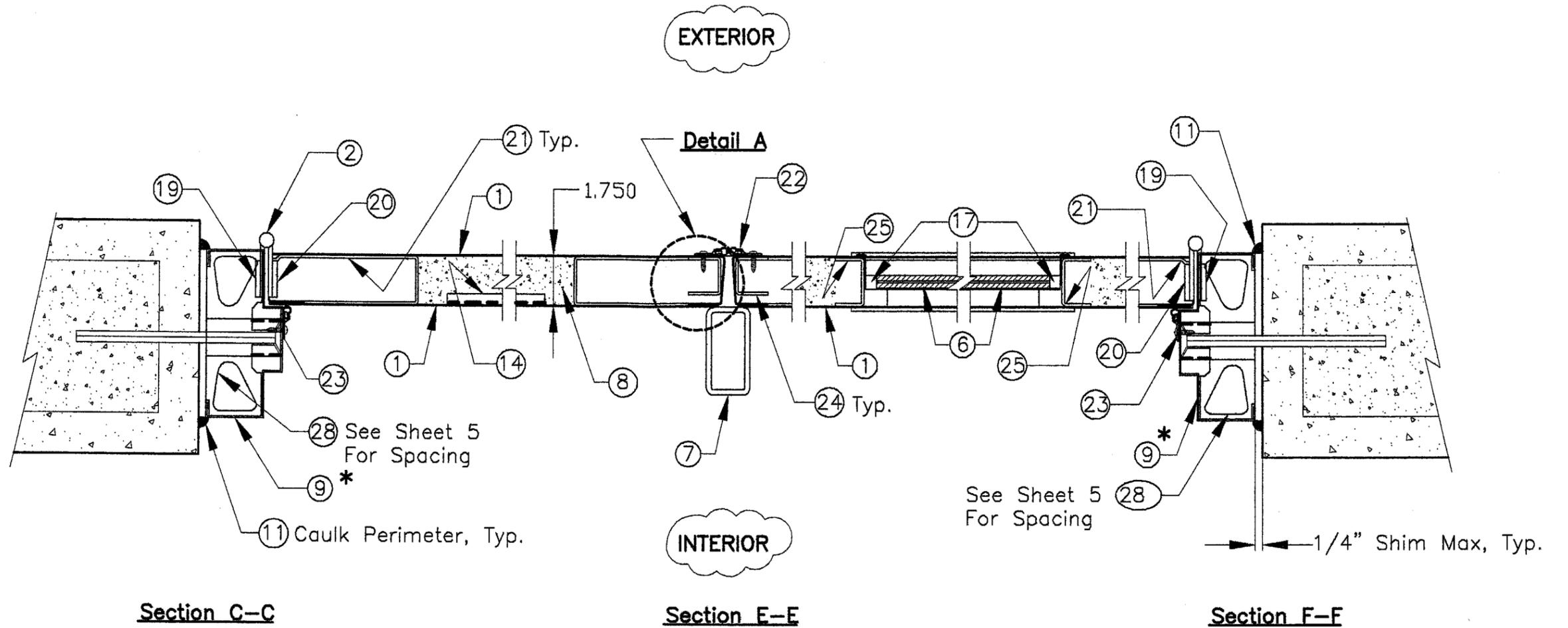
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:

Vertical Cross Sections For 8070 & 4070 Series Imperial Doors

CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD R00849	07-26-05
GENERAL	12-19-05
DRAWN BY: S.M./M.C.V.	DATE: 07-26-05
DRAWING NUMBER: 05-183	
Sheet 3 Of 16	



* Jamb ⑨ may also be attached by pouring concrete into it as per section A-A, on sheet 5.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-080902
 Expiration Date AV4 05, 2009
 By: *Shea L. Chanda*
 Miami Dade Product Control
 Division

MIAMI-DADE COUNTY

Walter A. Tillit Jr.
 WALTER A. TILLIT Jr., P. E.
 P.E. SEAL/SIGNATURE/DATE

TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33196
 Phone: (305)871-1530 Fax: (305)871-1531
 EB-0006719
 WALTER A. TILLIT Jr., P. E.
 FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:

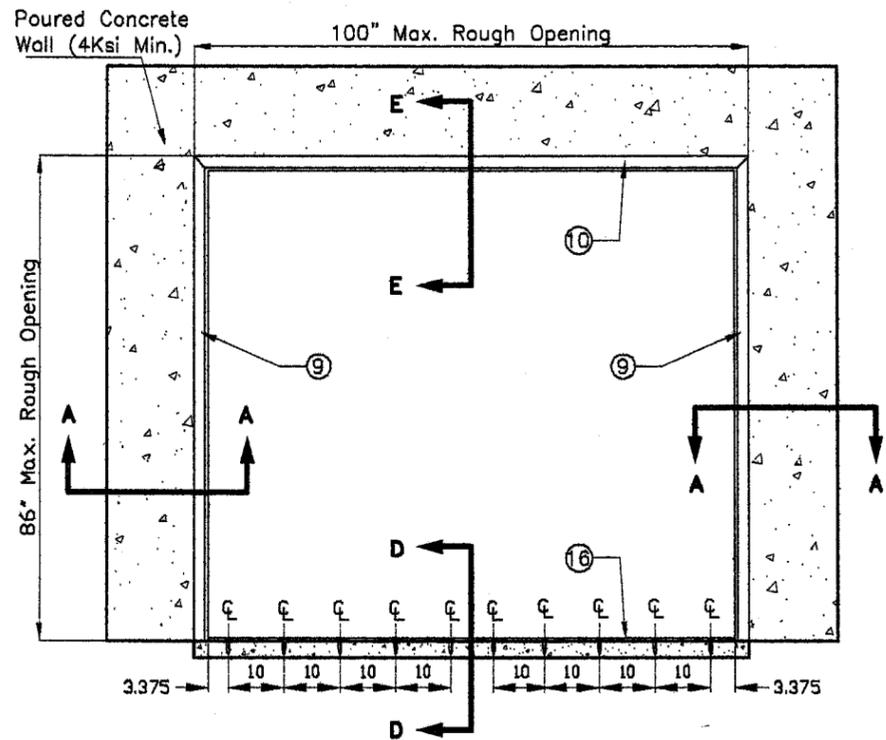
Horizontal Cross Sections For 8070 &
 4070 Series Imperial Doors

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

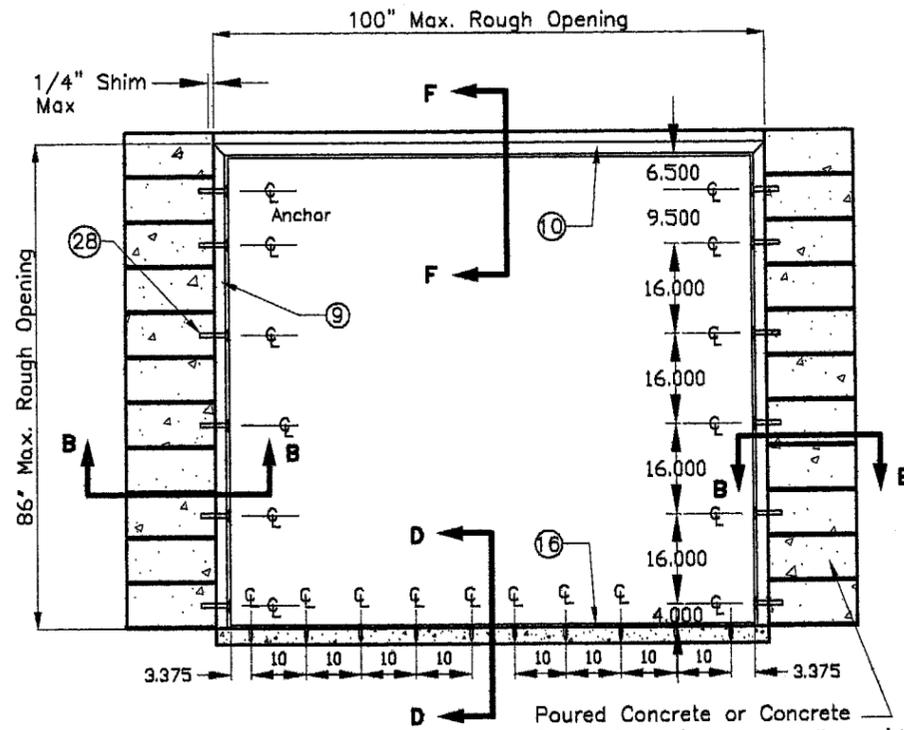
REVISIONS: OLD RD0849 07-26-05
 GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

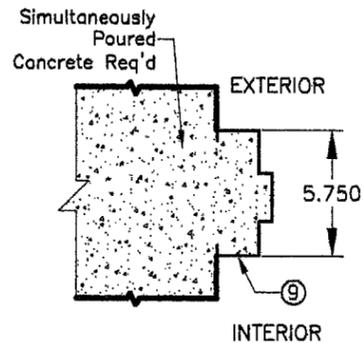
DRAWING NUMBER:
 05-183
 Sheet 4 Of 16



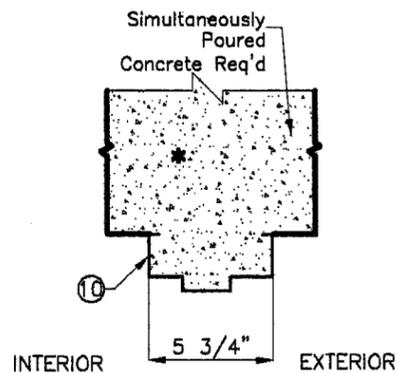
**FRAME CONNECTION AT POURED CONCRETE WALL
8-0 x 7-0 DOOR SIZE**



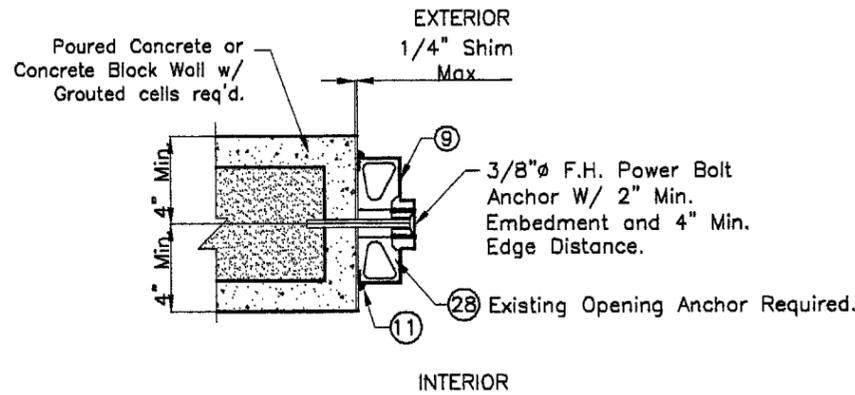
**FRAME ANCHORS AT POURED CONCRETE OR
CONCRETE BLOCK WALL
8-0 x 7-0 DOOR SIZE**



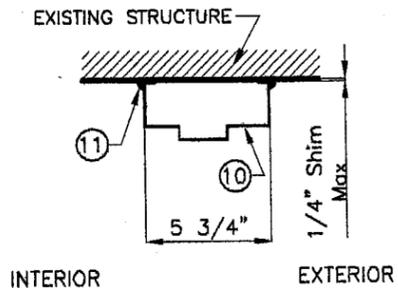
**SECTION A-A
9 FRAME JAMB AT POURED CONCRETE WALL**



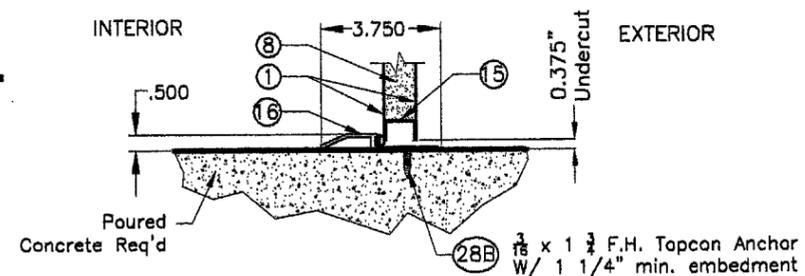
**SECTION E-E
10 FRAME JAMB AT POURED CONCRETE BEAM**



**SECTION B-B
28B ANCHOR BOLT AT MASONRY WALL**



**SECTION F-F
10 FRAME JAMB AT EXISTING STRUCTURE**



**SECTION D-D
28B ANCHORS AT 16 THRESHOLD
(NATIONAL GUARD 8135N)**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0809.02
Expiration Date AUG 05 2009
By *Isaac J. Lhank*
Miami Dade Product Control
Division

See Sheets 7, 8 & 9 for
Components Nomenclature

* Structural member 10 at Head must be filled simultaneously w/ concrete ONLY when jambs are all filled w/ concrete w/o anchors. (For case corresponding to sections A-A & E-E) In this case, structural member at head must be designed to carry 20lb/ft, load imposed and must be reviewed by Building Official

MATERIAL SPECIFICATIONS:

**Frame Anchor Installation Details For
8070 Series Imperial Door**

REVISIONS: OLD RD0849 07-26-05
GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

DRAWING NUMBER:

05-183
Sheet 5 Of 16

MIAMI-DADE COUNTY

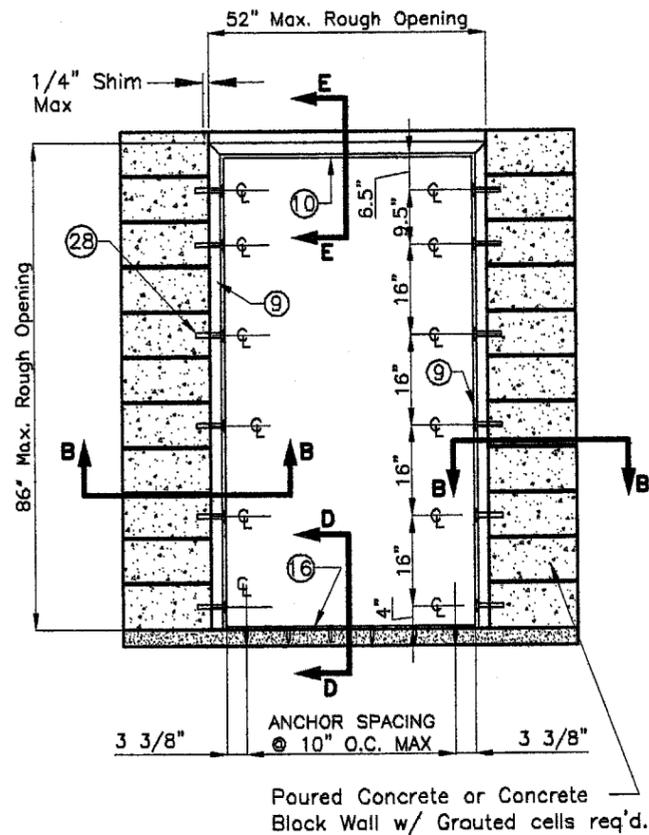
Walter A. Tillit Jr.

WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILECO INC.

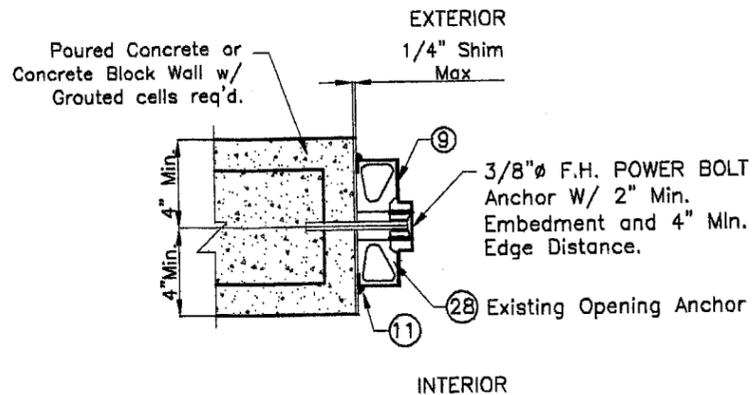
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33186
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

CECO DOOR PRODUCTS
Milan, Tennessee 38358

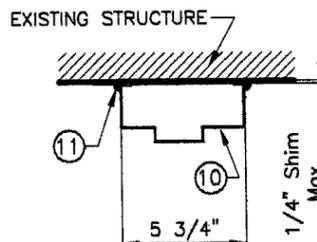


**FRAME ANCHORS AT POURED CONCRETE OR CONCRETE BLOCK WALL
4'-0" x 7'-0" DOOR SIZE**

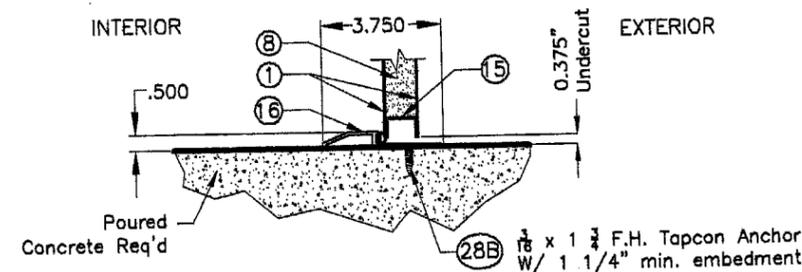
Poured Concrete or Concrete Block Wall w/ Grouted cells req'd.



**SECTION B-B
28B ANCHOR BOLT AT MASONRY WALL**



**SECTION E-E
10 FRAME JAMB AT EXISTING STRUCTURE**



**SECTION D-D
28B ANCHORS AT THRESHOLD**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0809.02
Expiration Date AUG 05, 2009
By Iskag I. Chandy
Miami Dade Product Control
Division

See Sheets 7, 8 & 9 for
Components Nomenclature

MIAMI-DADE COUNTY

Walter A. Tillit Jr.
12/20/05
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

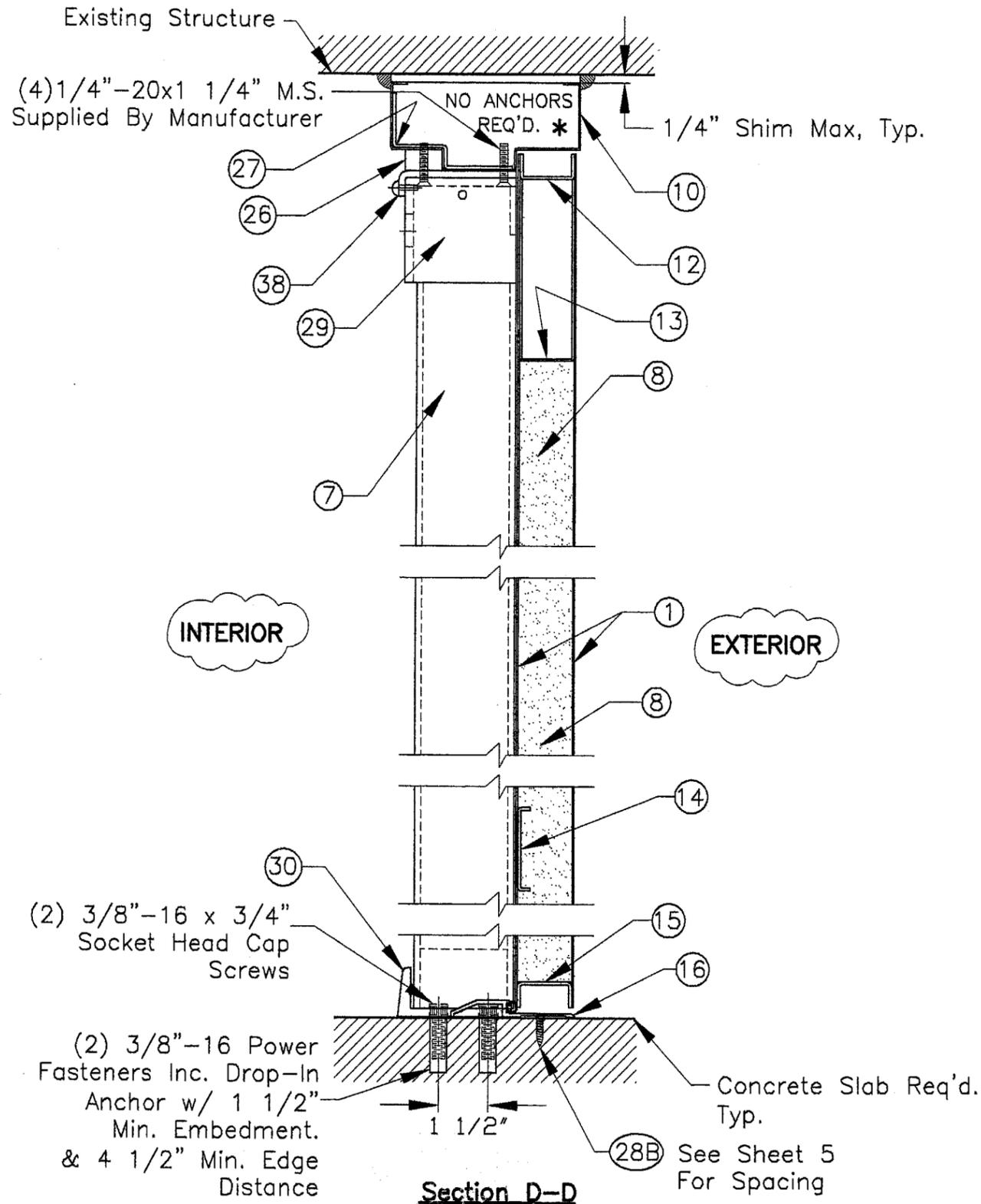
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:

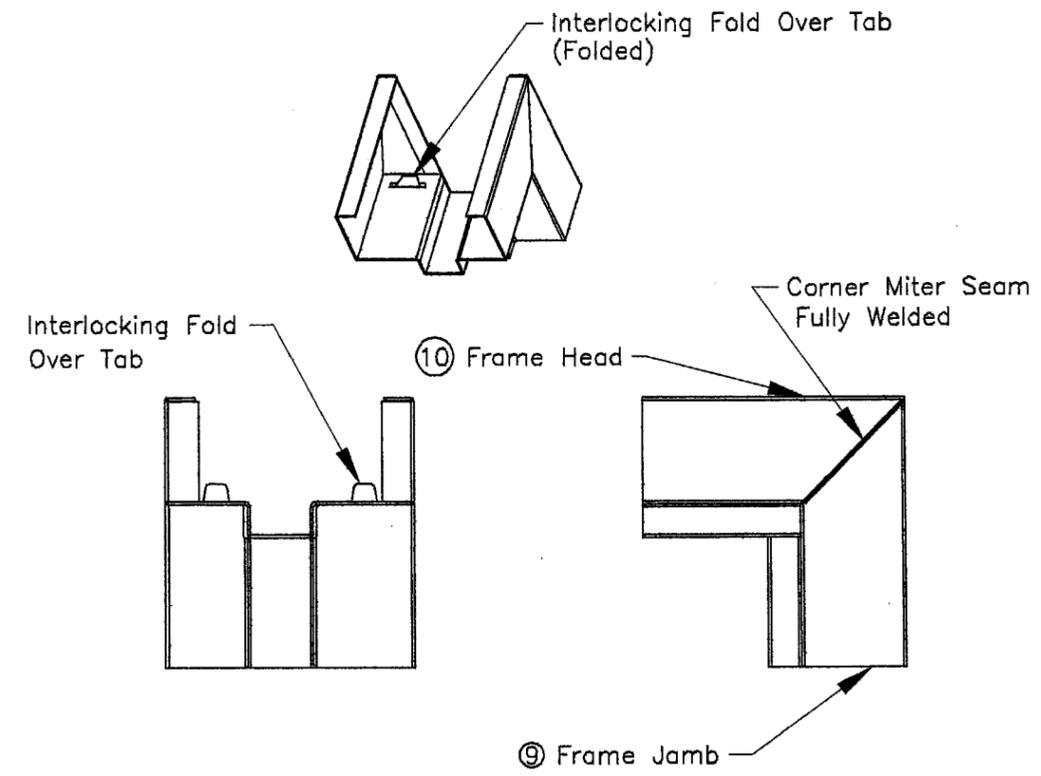
Frame Anchor Installation Details For
4070 Series Imperial Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD RDO849 GENERAL	07-26-05 12-19-05
DRAWN BY: S.M./M.C.V.	DATE: 07-26-05
DRAWING NUMBER: 05-183 Sheet 5A Of 16	



* Structural member ⑩ at Head Must be Filled w/ concrete ONLY when jambs are all filled w/ concrete w/o anchors. (For case corresponding to sections A-A & E-E on sheet 5) In this case, structural member at head must be designed to carry 20lb/ft, load imposed and must be reviewed by Building Official



Frame Corner Detail

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0809-02
 Expiration Date Aug 05, 2009
 By Ishag L. Chanda
 Miami Dade Product Control
 Division

Section D-D

MATERIAL SPECIFICATIONS:

**Cross Section View Of Mullion
 Attachment And Frame Corner
 Condition For 8070 Imperial Door**

REVISIONS: OLD R00849	07-26-05
GENERAL	12-19-05
DRAWN BY: S.M./M.C.V.	DATE: 07-26-05
DRAWING NUMBER:	

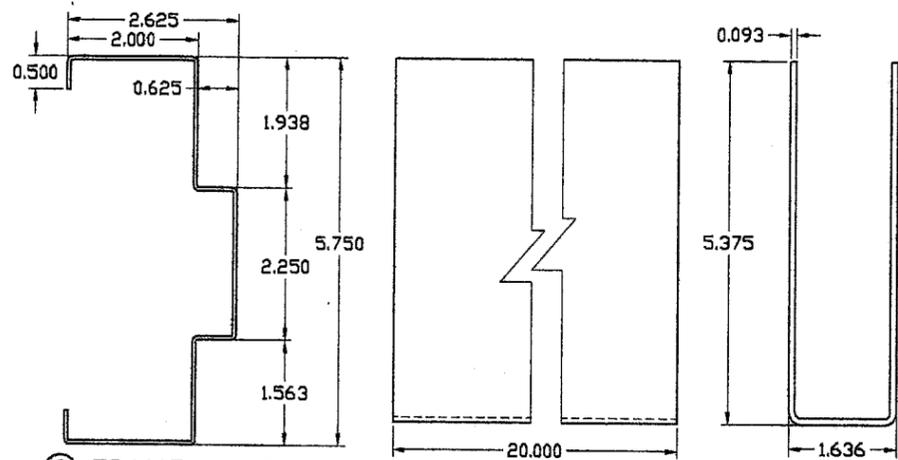
MIAMI-DADE COUNTY

[Signature]
 WALTER A. TILLIT Jr., P. E.
 P.E. SEAL/SIGNATURE/DATE

TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
 Phone: (305)871-1530 Fax: (305)871-1531
 EB-0006719
 WALTER A. TILLIT Jr., P. E.
 FLORIDA Lic. # 44187

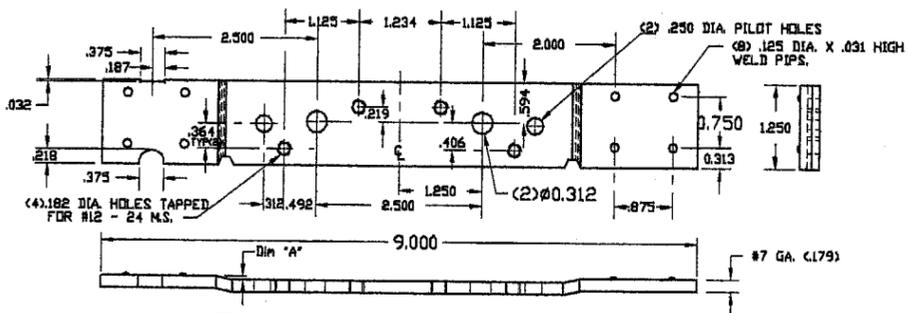
CECO DOOR PRODUCTS
 Milan, Tennessee 38358

05-183
 Sheet 6 Of 16



MATERIAL SPECIFICATIONS:
16 GA (.053)

MATERIAL SPECIFICATIONS:
14 GA (.067)



PART NO.	DIM "A"	ID STAMP
6100645	.094	H
6100646	.060	646
6100662	.115	NONE

⑮ TOP OF DOOR
⑯ BOTTOM OF DOOR

MATERIAL SPECIFICATIONS:
12 Ga (.093" min) CS Type B CRS

MATERIAL SPECS:
12 Ga. CRS

⑰ YALE HARDWARE MULLION
M100 (F) KRM

ASTM A-500, GRADE B
Yale Security Inc.
Part # 60-1500-1265

⑱ AT FRAME JAMB ⑲ AT DOOR STILE
4 1/2" DOOR/FRAME HEAVY HINGE REINFORCEMENT

MATERIAL SPECIFICATIONS:
7 GA. (.179, +.003, -.005)

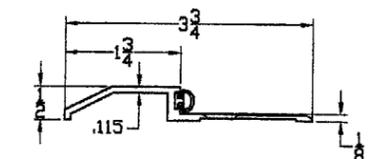
⑳ DOOR LOCK REINFORCEMENT

MATERIAL SPECIFICATIONS:
12 GA (.095)

TYPE OF CHANNEL	MAX DIM "A"
VERTICAL	34
HORIZONTAL	33.750

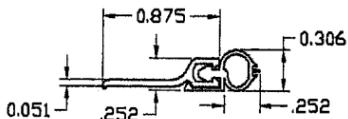
MATERIAL SPECIFICATIONS:
12 Ga. CRS

㉑ VISION LIGHT KIT PERIMETER CHANNEL

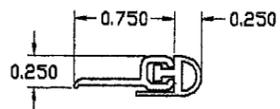


⑳ THRESHOLD:
NATIONAL GUARD 8135N

MATERIAL SPECIFICATIONS:
ALUMINUM 6063 T5



MATERIAL SPECIFICATIONS:
MILL FINISH ALUM. RETAINER
(6063-T5 ALLOY) W/SILICONE SEAL

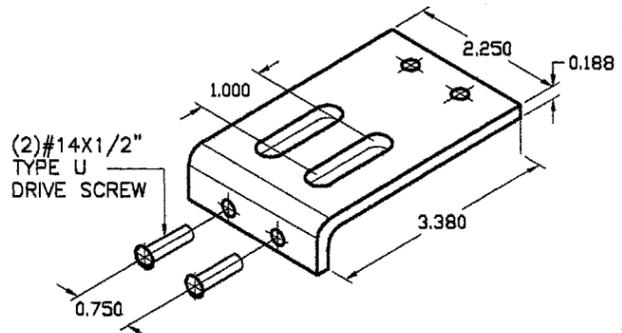


ALUMINUM 6063 T5

SEE SHEETS 9 & 16 (BILL OF MATERIALS) FOR COMPONENTS NOT SHOWN IN THIS SHEET

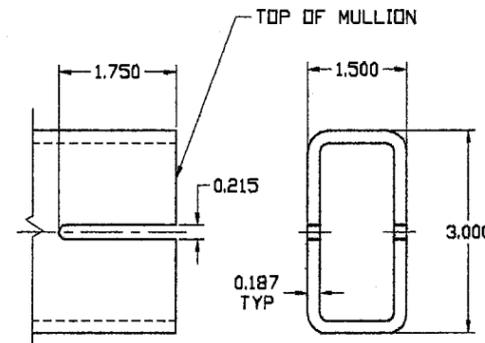
COMPONENTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0809-02
Expiration Date AUG 25, 2009
By: Ishaq J. Chaudhry
Miami Dade Product Control
Division

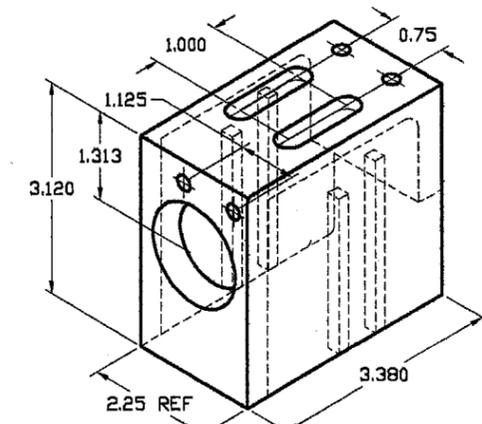


㉕ BRACKET MOUNTING
@ TOP OF MULLION FITTING

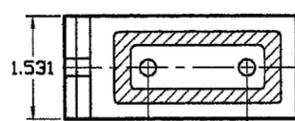
STEEL ASTM C1010
Yale Security Inc.
Dwg # 60-7000-1418



ASTM A-500, GRADE B
Yale Security Inc.
Part # 60-1500-1265



STEEL ASTM C1010
Yale Security Inc.
Part # 60-7000-1412



STEEL AISI 6150 OR 4140
Yale Security Inc.
Part # 60-2000-1164

MIAMI-DADE COUNTY

WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILECO INC.

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

MATERIAL SPECIFICATIONS:

8070, 4070 & 3070 Series
Imperial Doors

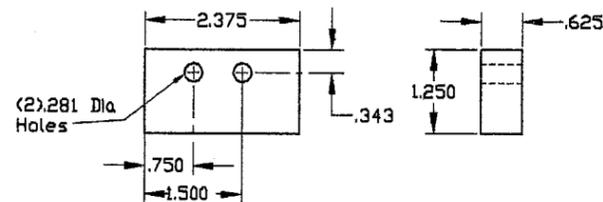
CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD RD0849 07-26-05
GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

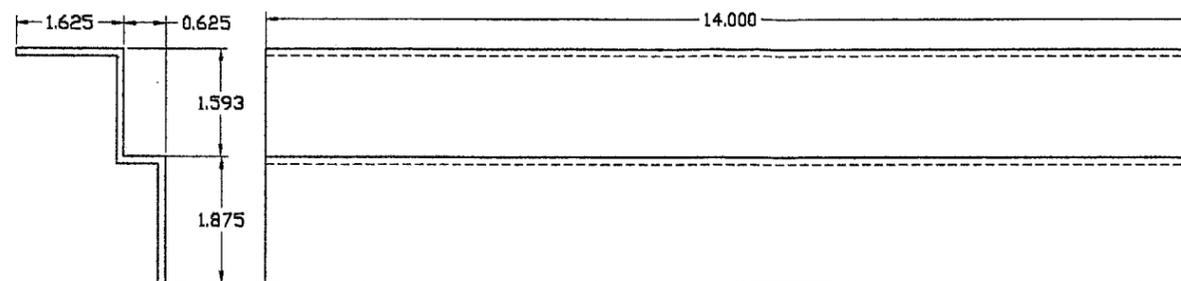
DRAWING NUMBER:

05-183
Sheet 7 Of 16



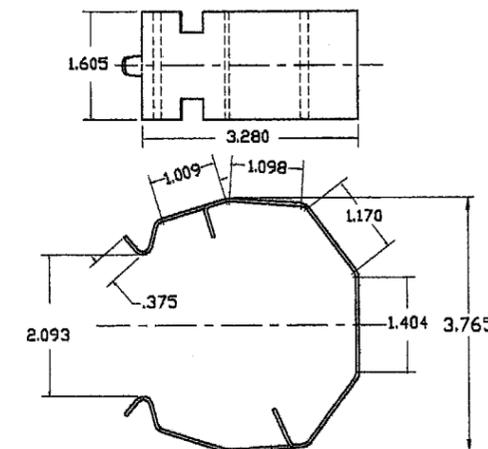
26 MULLION SPACER BLOCK

MATERIAL SPECIFICATIONS:
CRS



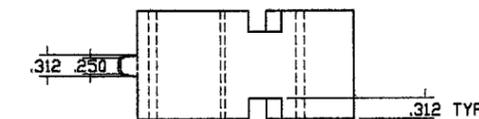
27 FRAME HEAD BRACKET REINFORCEMENT (AT MULLION)

12 Ga
(.093")



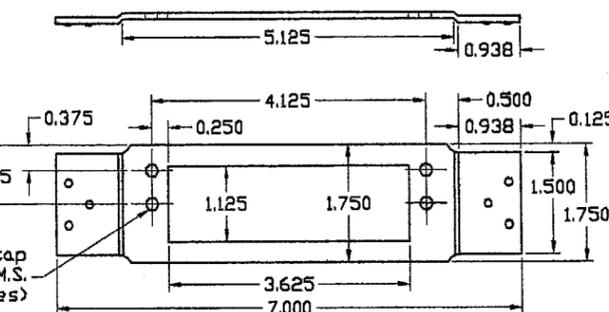
32 CYLINDRICAL LOCK GUARD (LG-24)

MATERIAL SPECIFICATIONS:
18 GA. CR (.042)



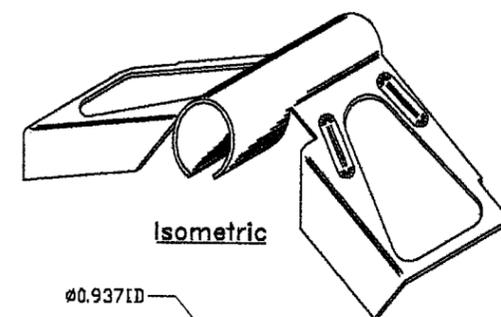
32 CYLINDRICAL LOCK GUARD (LG-24)

MATERIAL SPECIFICATIONS:
18 GA. CR (.042)

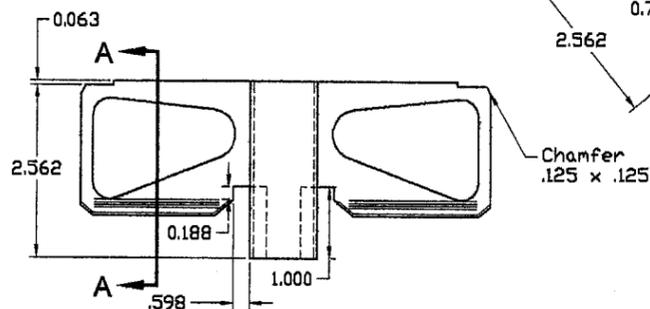
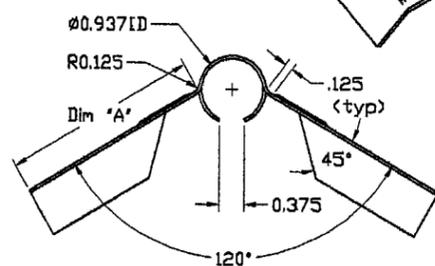


35 FRAME STRIKE REINFORCEMENT (LSRA)

MATERIAL SPECIFICATIONS:
12 GA. .093 MIN



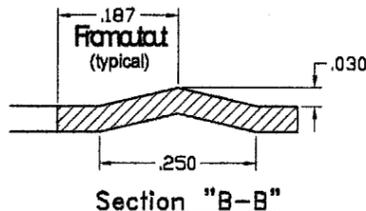
Isometric



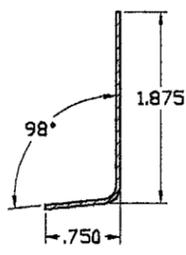
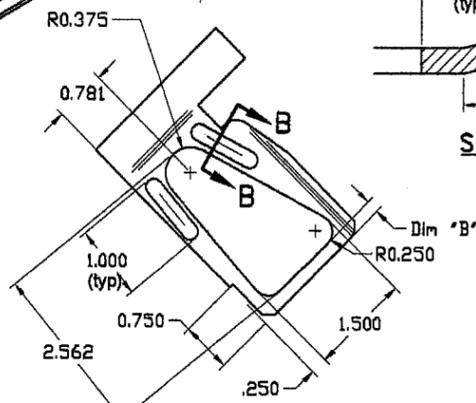
28 EXISTING OPENING ANCHORS

Material Specifications:
18 ga. galv.

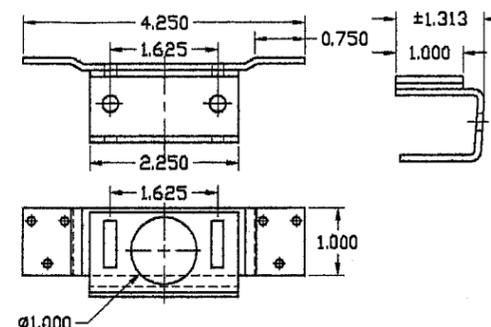
Dim "A"	Dim "B"
3.000	.187



Section "B-B"

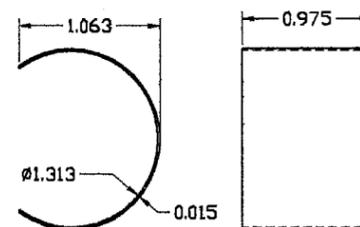


Section "A-A"



33 CYLINDRICAL LOCK REINFORCEMENT

MATERIAL SPECIFICATIONS:
12 GA (.093) CS TYPE B



34 DOOR LATCH REINFORCEMENT "C" RING

MATERIAL SPECIFICATIONS:
.015 x .975 C1010 GALV. CRS

SEE SHEETS 9 & 16 (BILL OF MATERIALS) FOR COMPONENTS NOT SHOWN IN THIS SHEET

COMPONENTS

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-0809.02
Expiration Date: 05/05/2007
By: *Walter A. Tillit Jr.*
Miami Dade Product Control Division

MIAMI-DADE COUNTY

Walter A. Tillit Jr.

WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE



TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 303 VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:

8070, 4070 & 3070 Series
Imperial Doors

CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD R00849 07-26-05
GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

DRAWING NUMBER:

05-183
Sheet 8 Of 16

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE																								
①	2 Per	Face Sheet Skin Conforming to ASTM A653 Galvanized CQ at Flush & Glazed Doors w/ A-60 Coating.	Commercial Quality Galvanized Steel (Minimum Yield Strength of 38,000 psi)	16 Gauge (0.053" Min. Thick)																								
②	6	Hager BB1199, Hinge Ea. Attached with Eight #12-24 x 1/2" F.H. M.S.	Steel	4-1/2" x 4-1/2" x 0.180" Thick																								
③	2	Detex H10 Series Exit Device	S.S. 304 or 316 Powdered Metal for Latch Bolt (Fy = 47 ksi), 13 Ga. CRS W/ Hardness of Rb 60-90 for Housing (Fy = 54 ksi), S.S. 302 Investment Cast for Strike (Fy = 30 ksi) and S.S. 17-4 PH Pin Latch Bolt (Fy = 145 ksi). All these components are valid for Detex H10, H40 & HV40	Surface Strike Attached to Door with (2) 1/4"-20 M.S.																								
④	2	Detex H40 Series Exit Device		Surface Strike Attached to Door with (2) 1/4"-20 M.S.																								
⑤	2	Detex HV40 Series Exit Device		Surface Strike Attached to Door with (2) 1/4"-20 M.S.																								
⑥	-	Glasslam, Safety Plus II, Hurricane Glass w/ 1 1/2" Edge (P.E.T.) 3/16" Tempered / 0.100 Interlayer with P.E.T. / 3/16" Tempered	Miami-Dade County Impact Resistant Laminated Glass Interlayer as per NOA # 03-0225.10 w/ Edge PET Film per NOA # 03-0916.02	33 1/8" x 31 1/8"																								
⑦	1	Yale Hardware Mullion, M100 (F) KRM	ASTM A-500 GRADE B., W/ Fy(min) =46ksi & Fu(min)=58ksi	(1.5" x 3.0" x 0.187") Red Oxide Painted Or Equal.																								
⑧	Req'd	Urethane Core (Elastopor® P16293R Resin Component/Elastopor® P1001U Isocyanate)	Polymeric MDI Foam System is a two part liquid, self adhesive to skin when cured	2 lb/ft ³ Density, w/ the following Fire Burning characteristics <table border="1"> <thead> <tr> <th>Test</th> <th>Description</th> <th>Value</th> <th>Report #</th> </tr> </thead> <tbody> <tr> <td>ASTM E 84</td> <td>Flame spread</td> <td>20.46 (FSI)</td> <td>U.L R5692/01nk36633</td> </tr> <tr> <td>ASTM E 84</td> <td>Smoke Developed</td> <td>331.6 (SDI)</td> <td>U.L R5692/01nk36633</td> </tr> <tr> <td>ASTM D-1929</td> <td>Self Ignition:</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Flash ignition</td> <td>781°F</td> <td>S.W.R.I. 01.10085.01.627</td> </tr> <tr> <td></td> <td>Spontaneous Ignition</td> <td>928°F</td> <td>S.W.R.I. 01.10085.01.627</td> </tr> </tbody> </table>	Test	Description	Value	Report #	ASTM E 84	Flame spread	20.46 (FSI)	U.L R5692/01nk36633	ASTM E 84	Smoke Developed	331.6 (SDI)	U.L R5692/01nk36633	ASTM D-1929	Self Ignition:				Flash ignition	781°F	S.W.R.I. 01.10085.01.627		Spontaneous Ignition	928°F	S.W.R.I. 01.10085.01.627
Test	Description	Value	Report #																									
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	Flash ignition	781°F	S.W.R.I. 01.10085.01.627																									
	Spontaneous Ignition	928°F	S.W.R.I. 01.10085.01.627																									
⑨	2	Series "SF", Frame Jamb, Double Rabbet Profile w/ A-60 Coating Face Sheet Conforming to ASTM A653 Galvanized CQ	16 Ga. (0.053 Min.) Steel Commercial Quality Galvanized Steel (Minimum Yield Strength of 31,500 psi)	2 5/8" Face, 5-3/4" Depth Min.																								
⑩	2	Series "SF", Frame Head, Double Rabbet Profile w/ A-60 Coating Face Sheet Conforming to ASTM A653 Galvanized CQ	16 Ga. (0.053 Min.) Steel Commercial Quality Galvanized Steel (Minimum Yield Strength of 31,500 psi)	2 5/8" Face, 5-3/4" Depth Min.																								
⑪	Req'd	General Electric Caulk (GE All Purpose Silicone) For Weatherstrip Screws, Frame Perimeter, Frame Sill Corners and Under Sill	Silicone	Silicone Rubber General Household																								
⑫	2	Formed Steel Channel w/ A-60 Coating Conforming to ASTM A653 Galvanized CQ on The Top of Both Doors, Spot Welded Both Skins @ 3 1/2" O.C.	Commercial Quality Galvanized Steel (Minimum Yield Strength of 31,500 psi)	3/4" x 1.656" x 3/4" x 12 GA. (0.093 Min.) Cont.																								
⑬	2	Closer Reinforcement Conforming to ASTM A1008 and ASTM A568 at Each Closer Location at Top of Both Door Panels	Steel by Ceca Door Products, Die # 4-941	5 3/8" High x 1.636" x 14 GA (0.067 Min.) Channel																								
⑭	2	Horizontal Stiffener Conforming to ASTM A1008 and ASTM A568 Welded to Face Sheet	Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 31,500 psi)	5/16" x 2 1/2" x 15/16" x 12 GA. (0.093 Min.) Channel																								
⑮	2	Formed Steel Channel w/ A-60 Coating Conforming to ASTM A653 on The Top of Both Doors, Spot Welded Both Skins @ 3 1/2" O.C.	Commercial Quality Galvanized Steel (Minimum Yield Strength of 31,500 psi)	3/4" x 1.656" x 3/4" x 12 GA. (0.093 Min.) Cont.																								
⑯	2	National Guard Threshold #8135N on a Back Bed of Caulk ⑪	Extruded Aluminum (6063-T5 Alloy), with 1/4"x3/8" Silicone Weatherstrip	48" Long Ea. (1/2" High x 3 3/4" Wide x 0.093"/0.115" thick)																								
⑰	1	Curries Type 2 Vision Light Kit with 5/8" Pocket Conforming to ASTM A653 Galvanized CQ w/ A-60 Coating	Commercial Quality Galvanized Steel (Minimum Yield Strength of 31,500 psi)	18 Ga. (.042 Min.)																								
⑱	6	Hinge Reinforcing Plate, Spot Welded to Frame Jamb at Each Hinge Location	Steel by Ceca Door Products, Die # 4-732	1 1/4" x 9" x 7 GA.																								
⑳	6	Hinge Reinforcing Plate, Spot Welded to Door Edge at Each Hinge Location	Steel by Ceca Door Products, Die # 4-732	1 1/4" x 9" x 7 GA.																								
㉑	4	Door Lock Reinforcement Conforming to ASTM A1008 and ASTM A568	Steel by Ceca Door Products, Die # 4-941	5 1/4" x 1.636" x 12" x 12 Ga. (0.093" Min.)																								
㉒	2	Pemko Weatherstrip, Profile Number 303 AS	Mill Finish Aluminum Retainer (6063-T5 Alloy) with Silicone Seal	7/8"x1/4"(Alum.) + 1/4"x5/16" (Silicone) Attached w/ #6x5/8" S.D.S. @ 6" O.C.																								
㉓	1 Set	Hager Weatherstrip, Profile Number 891S, All Around Frame Jamb + Head	Mill Finish Aluminum Retainer (6063-T5 Alloy) with Silicone Seal	3/4"x1/4"(Alum.) + 1/4"x1/4" (Silicone) Attached w/ #6x3/4" S.D.S. @ 8" O.C.																								
㉔	2	Door Edge Reinforcement Conforming to ASTM A1008 and ASTM A568, Welded to Door Edge 8" on Center	Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 31,500 psi)	1 1/64" x 1 9/32" x 1 1/64" x 12 Ga (0.093 Min.)																								
㉕	As Req'd	Glass Cut Out Perimeter Channels Conforming to ASTM A1008 and ASTM A568, Welded to Exterior and Interior Skins 8" on Center	Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 31,500 psi)	1" x 1.656" x 1" x 12 Ga. (0.093 Min.)																								
㉖	1	Mullion Spacer Block at Top	Yale Security, Inc. Drawn Steel Aluminum Painted	0.625" x 1.250" x 2.375"																								
㉗	1	Frame Head Bracket Reinforcement at Mullion Conforming to ASTM A1008 and ASTM A568	Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 31,500 psi)	1.625" x 3.468" x 14" x 12 Ga. (0.093 Min.)																								
㉘	Req'd	Existing Opening Anchor w/ 3/8" F.H. Power Bolt, by Power Fasteners Inc.	Galvanized Steel by Ceca Door Products, Die # 4-622	18 gage Thick																								
㉘B	Req'd	Tapcons, by Elco Textron or ITW Buildex @ 10" o.c. and 3 3/8" from Ends	Steel	3/16"Ø x 1 3/4" F.H.																								
㉙	1	Top Mullion Fitting	8620 Steel as per Yale Security, Inc. Series 7000 PART#60-7000-1412	3.38"x3.12"x2.25" W/ (4) 1/4"-20x1 1/4" M.S.																								
㉚	1	Mullion Foot Bracket	STEEL AISI 6150 OR 4140 AS PER YALE SECURITY INC. PART#60-2000-1164	3.5" x 1 17/32" x 1.75" x 0.25" Thick.																								
㉛	Req'd	Glazing Stop at Vision Light Sealant	Dow Corning 995 Structural Silicone																									
㉜	1	Bracket Mounting at Top of Mullion Fitting	ASTM C1010 as per Yale Security, Inc. Series 7000 PART#60-7000-1418	1/2" x 3.38" x 2.25" x 0.188" Thick.																								

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-0809-02
Expiration Date 04-03-2009
By: (Signature)
Miami Dade Product Control Division

MATERIAL SPECIFICATIONS:

**8070 & 4070 Series
Bill Of Materials**

CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD RD0849 07-26-05
GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

DRAWING NUMBER:
05-183
Sheet 9 Of 16

MIAMI-DADE COUNTY

(Signature)
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44187

General Notes for 3070 Series Flush & Embossed Imperial Doors:

1. Single 3070 Series Imperial Outswing Commercial Steel Door w/series "SF" frame jamb and head, shown on this Product Approval Document (P.A.D.) has been verified for compliance in accordance with the 2004 edition of the Florida Building Code. Door may be installed at High Velocity Hurricane Zones. Design wind loads shall be determined as per section 1620 of the above mentioned code. In order to verify that anchors on this P.A.D., as tested, were not overstressed, a 33% increase in allowable stress for wind loads was **NOT** used in their analysis. A CD=1.60 duration factor was used for wood fasteners verification. This Door's adequacy for impact and cyclic resistance has been verified in accordance with section 1609.1.4 of the above mentioned code as per TAS-201, TAS-202, TAS-203 protocols, as per HTL lab report #0345-0203-04 and as per submitted structural calculations, performed as per section 1612 of the Florida Building Code.

2. Design Pressure Rating: +70 psf, -70 psf

This Door IS **NOT** Approved for Water Infiltration

3. Minimum Frame Depth: 5 3/4"

4. See Sheet 7, 8 & 16 for Component Nomenclature

5. See Sheet 13 for Anchor Details and Location

6. All Dimensions are in inches

7. This Door **DOES NOT** require a Hurricane Protection Device

8. (a) This P.A.D. prepared by this engineer is generic and does not provide information for a site specific project; i.e. where the site conditions deviate from the P.A.D.

(b) Contractor to be responsible for the selection, purchase and installation including life safety of this product, based on this P.A.D., provided he/she does not deviate from the conditions detailed on this document. Construction safety at site is the contractor's responsibility.

(c) This P.A.D. will be considered invalid if altered by any means.

(d) Original P.A.D. shall bear the date and original seal and signature of the professional engineer of record that prepared it.

9. Door's manufacturer label shall be placed on the exposed surface of (9) or (10). One label shall be placed for every opening. Label shall read as follows:

CECO DOOR PRODUCTS

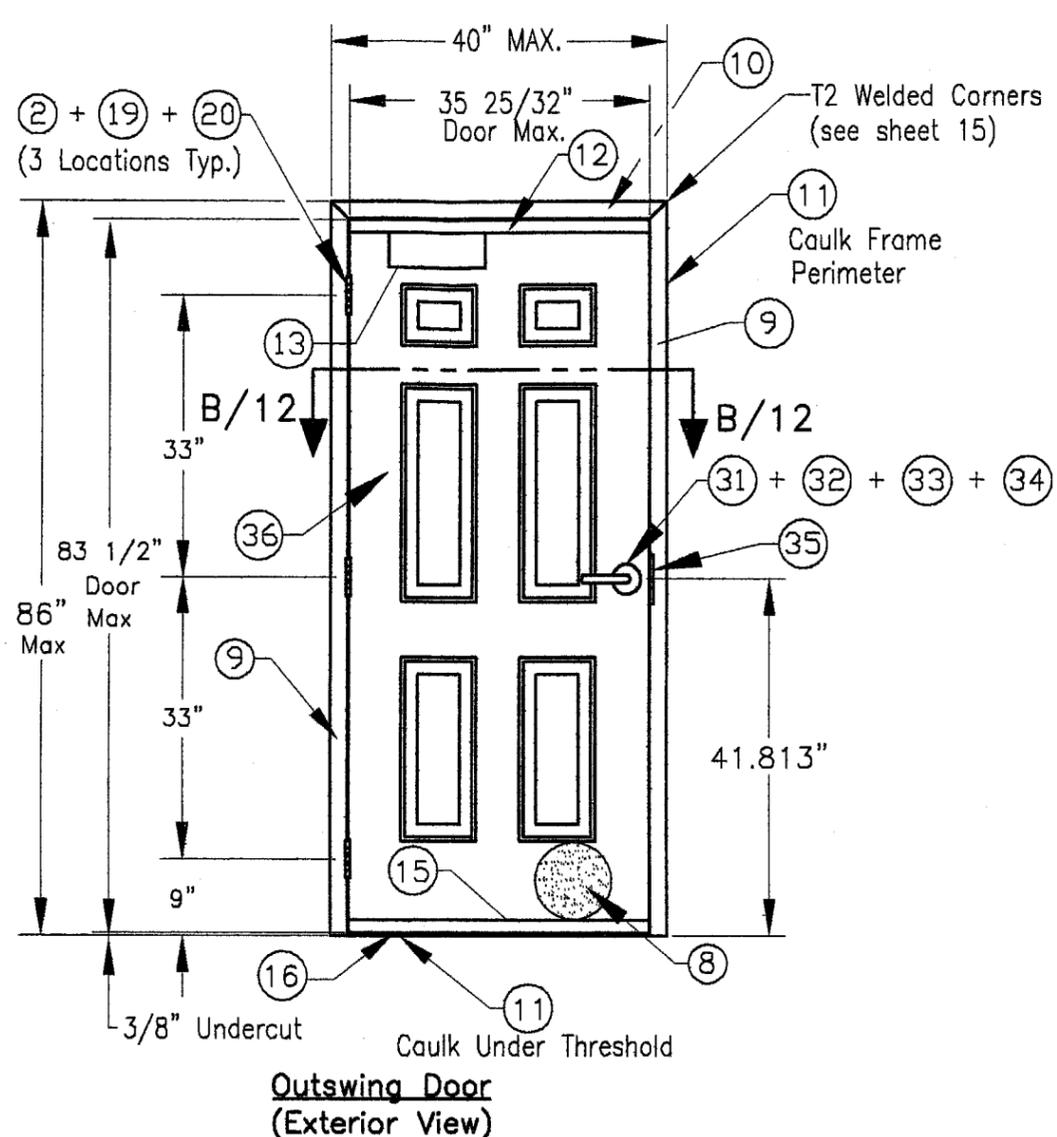
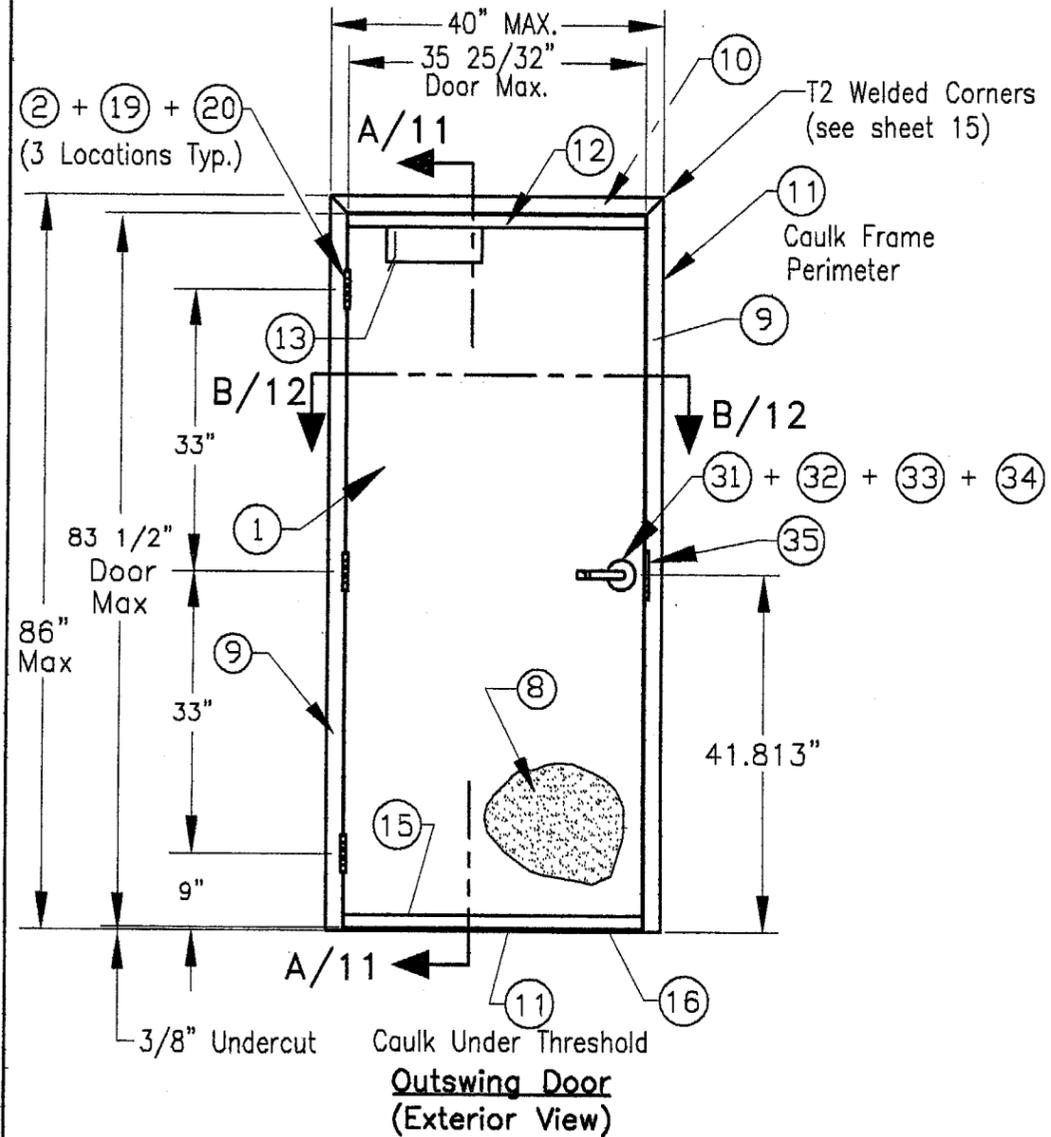
9159 Telecom Drive

Milan, Tennessee

Miami-Dade County Product Control Approved.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0809.02
Expiration Date 07/26/05

By Iskay I. Chanda
Miami Dade Product Control
Division



MIAMI-DADE COUNTY

Walter A. Tillit Jr.
12/26/05

WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

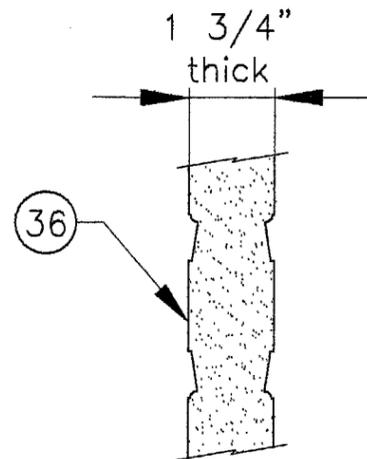
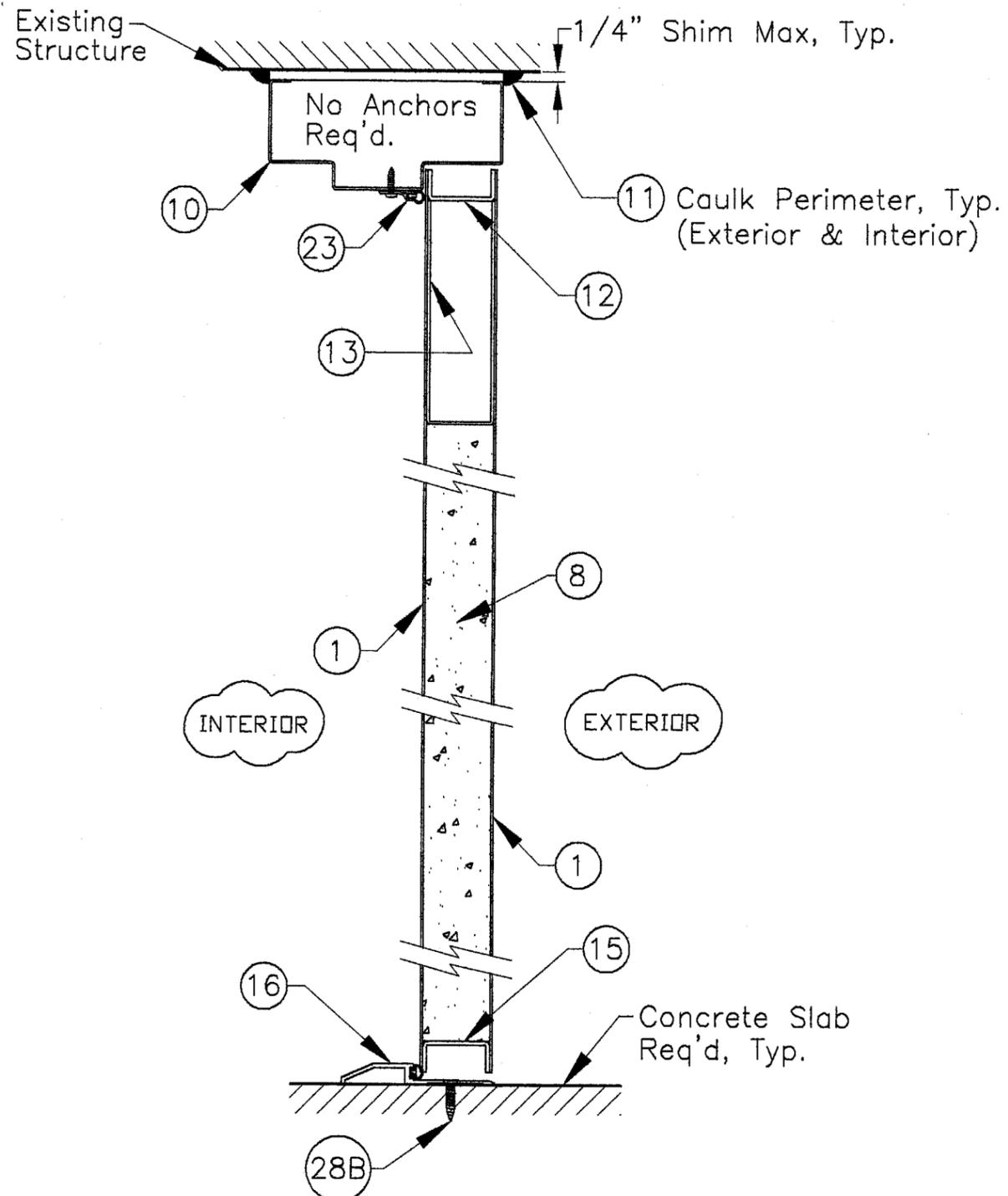
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6365 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 • Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive
Primer, One Coat

3070 Series Elevation Drawing
Flush & Embossed Imperial Doors

CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS: OLD RD0849 07-26-05 GENERAL 12-19-05	
DRAWN BY: S.M./M.C.V.	DATE: 07-26-05
DRAWING NUMBER: 05-183 Sheet 10 Of 16	



Embossed Skins
Optional

See Sheets 7, 8 & 16
for Components Nomenclature

(See Sheet 13 for Spacings)

Section A-A

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0809-02
Expiration Date 04/05/2009
By Ishaq I. Chaudhry
Miami Dade Product Control
Division

MATERIAL SPECIFICATIONS:

Vertical Cross Section
3070 Imperial Door

REVISIONS: OLD RD0849 07-26-05
GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

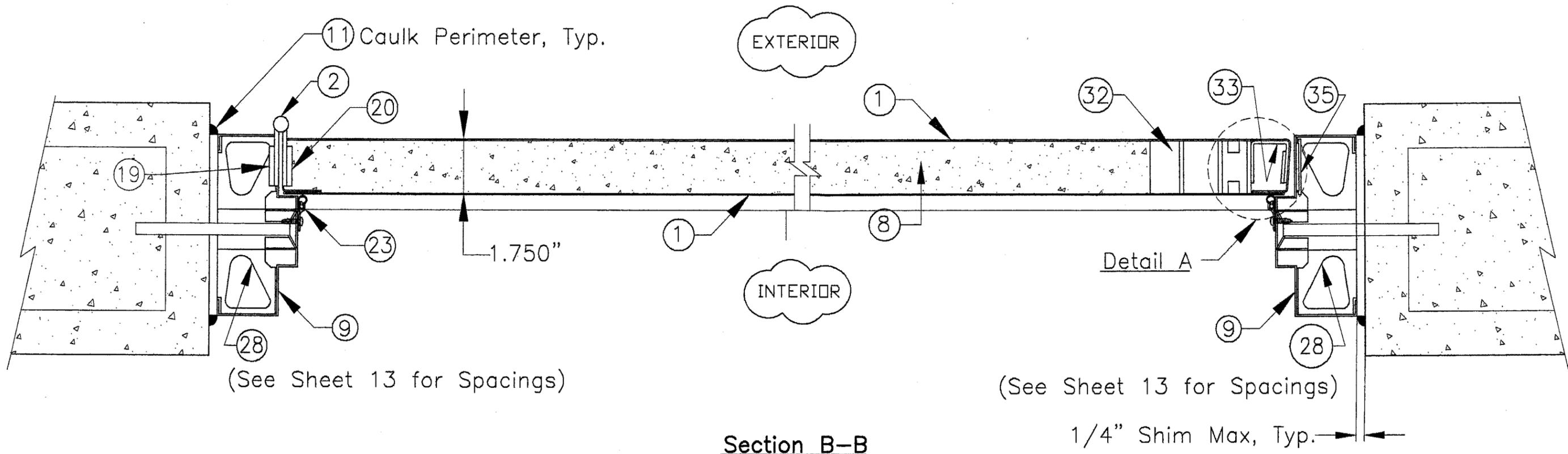
DRAWING NUMBER:
05-183
Sheet 11 Of 16

MIAMI-DADE COUNTY

Walter A. Tillit Jr.
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1930 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44187

CECO DOOR PRODUCTS
Milan, Tennessee 38358

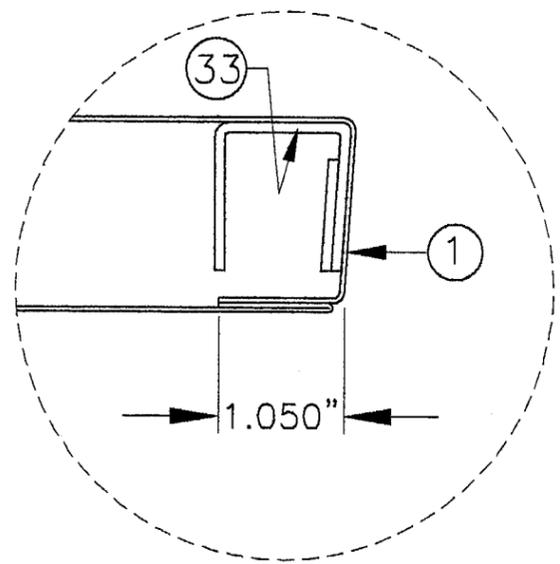


(See Sheet 13 for Spacings)

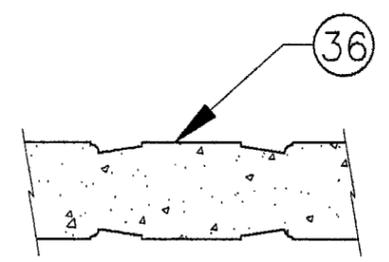
(See Sheet 13 for Spacings)

Section B-B

1/4" Shim Max, Typ.



Detail A



**Embossed Skins
Optional**

See Sheets 7, 8 & 16
for Components Nomenclature

PRODUCT REVISED
as complying with the Florida
Building Code
Assistance No. 05-0809.02
Expiration Date AUG 05, 2009
By John J. Chavala
Miami Dade Product Control
Division

MIAMI-DADE COUNTY

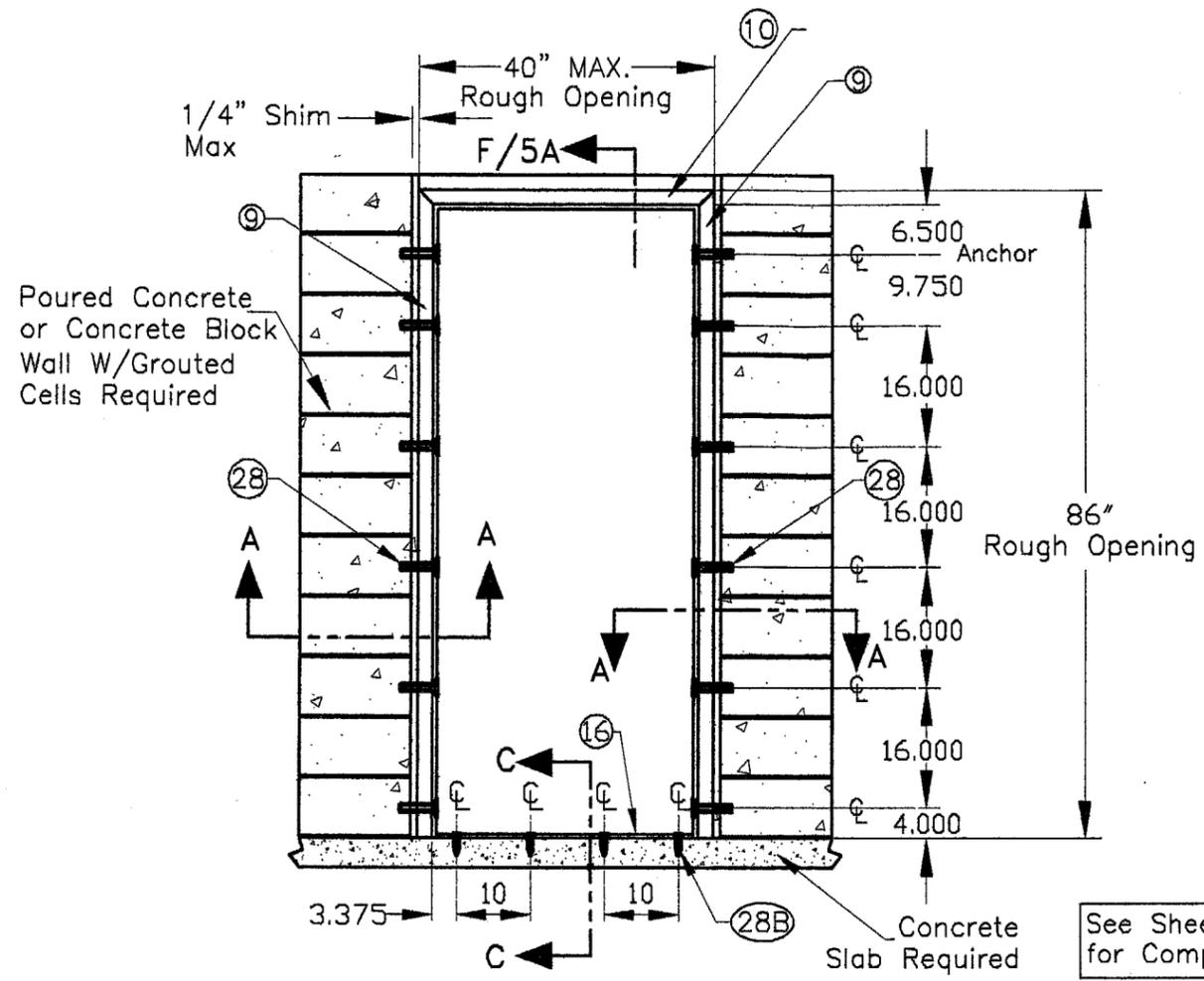
Walter A. Tillit Jr.
12/20/05
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1930 Fax: (305)871-1531
EB-006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:

Horizontal Cross Section
3070 Imperial Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358

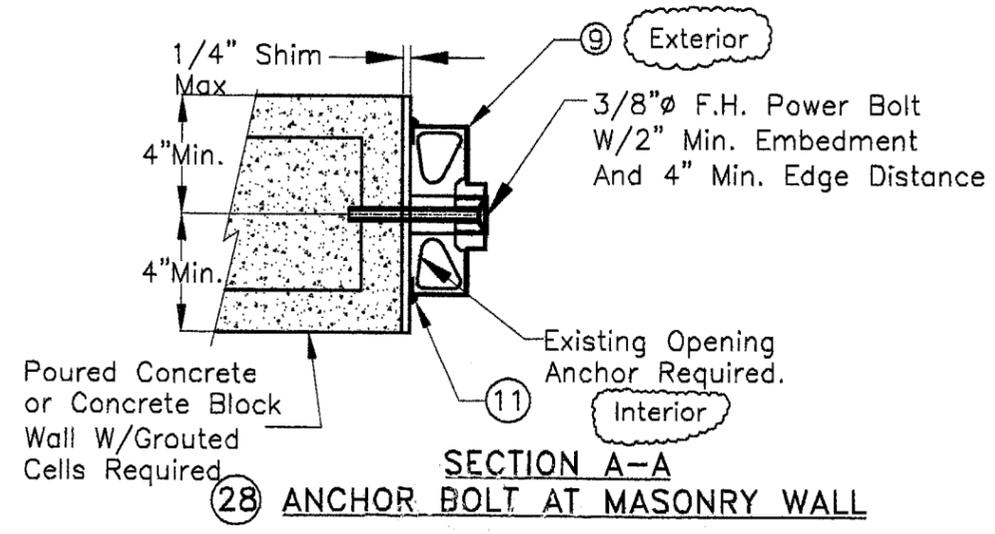
REVISIONS: OLD RD0849 07-26-05
GENERAL 12-19-05
DRAWN BY: S.M./M.C.V. DATE: 07-26-05
DRAWING NUMBER:
05-183
Sheet 12 Of 16



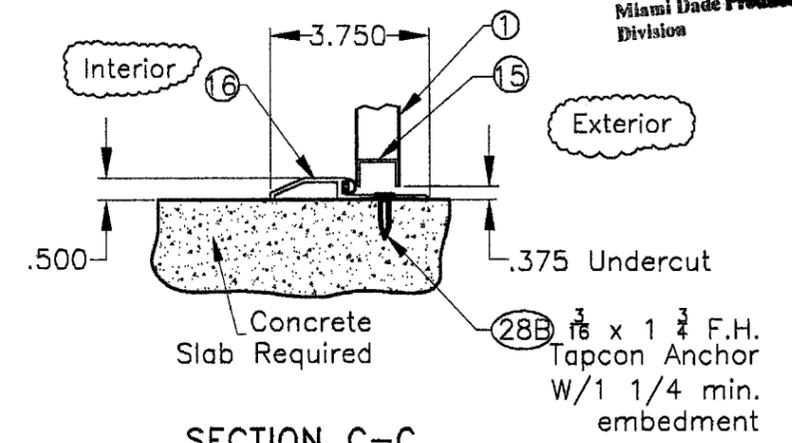
ANCHORS AT CONCRETE BLOCK WALL
3-0 x 7-0 DOOR SIZE

See Sheets 7, 8 & 16
for Components Nomenclature

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0809.02
Expiration Date 04/25/2009
By Ishaq J. Chaudh
Miami Dade Product Control
Division



SECTION A-A
ANCHOR BOLT AT MASONRY WALL



SECTION C-C
ANCHORS AT THRESHOLD
(NATIONAL GUARD 8135N)

MATERIAL SPECIFICATIONS:

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44187

Frame Anchor Installation
Details, 3070 Imperial Doors

CECO DOOR PRODUCTS
Milan, Tennessee 38358

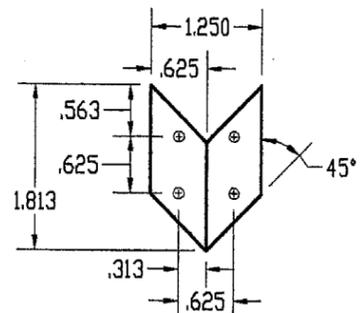
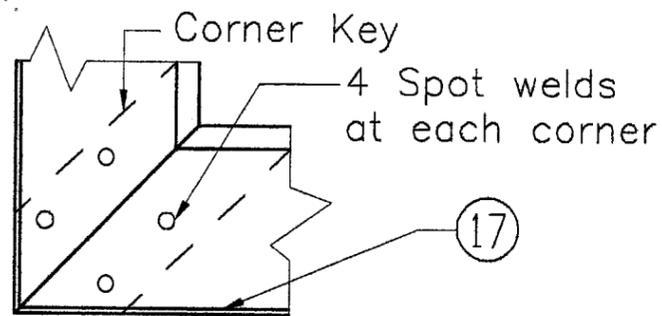
REVISIONS: OLD RD0849 07-26-05
GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

DRAWING NUMBER:
05-183
Sheet 13 Of 16

MIAMI-DADE COUNTY

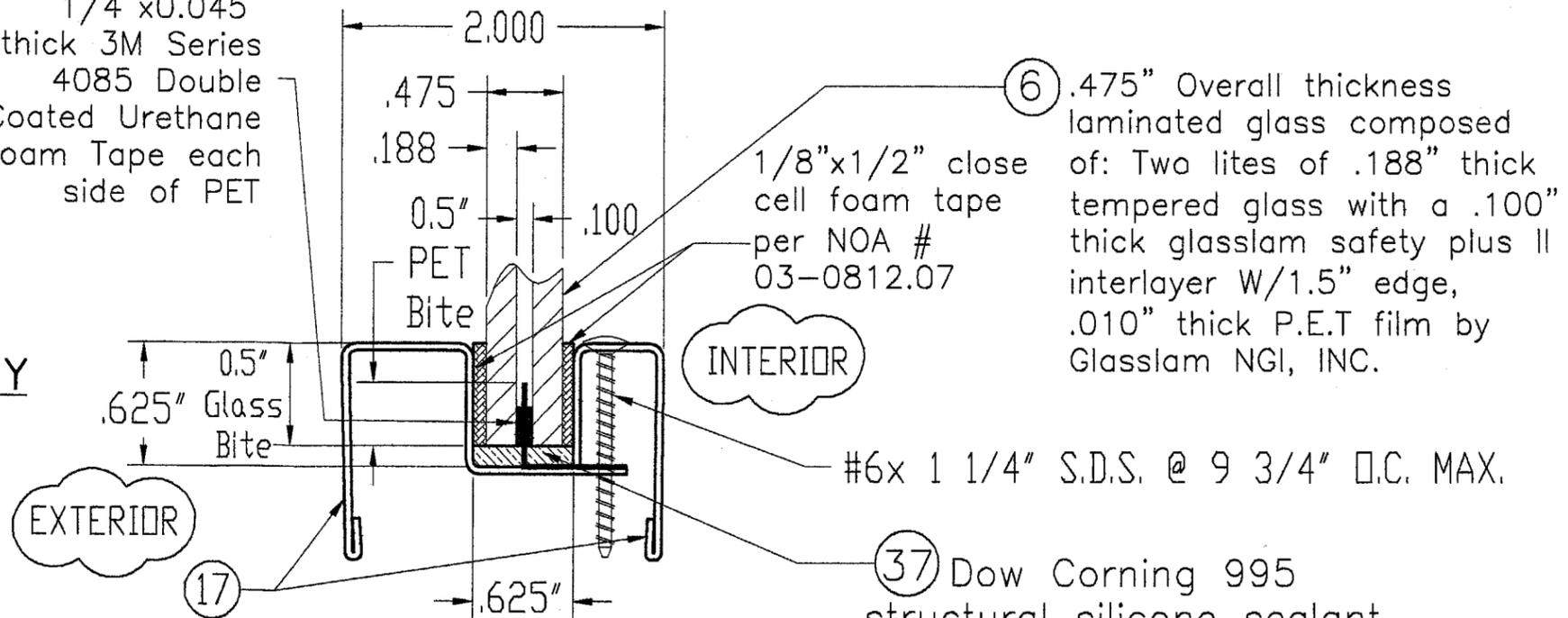
Walter A. Tillit Jr.
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE



1/4"x0.045" thick 3M Series 4085 Double Coated Urethane Foam Tape each side of PET

VISION LIGHT CORNER WELD DETAIL

18 GAGE CORNER KEY FOR VISION LIGHT



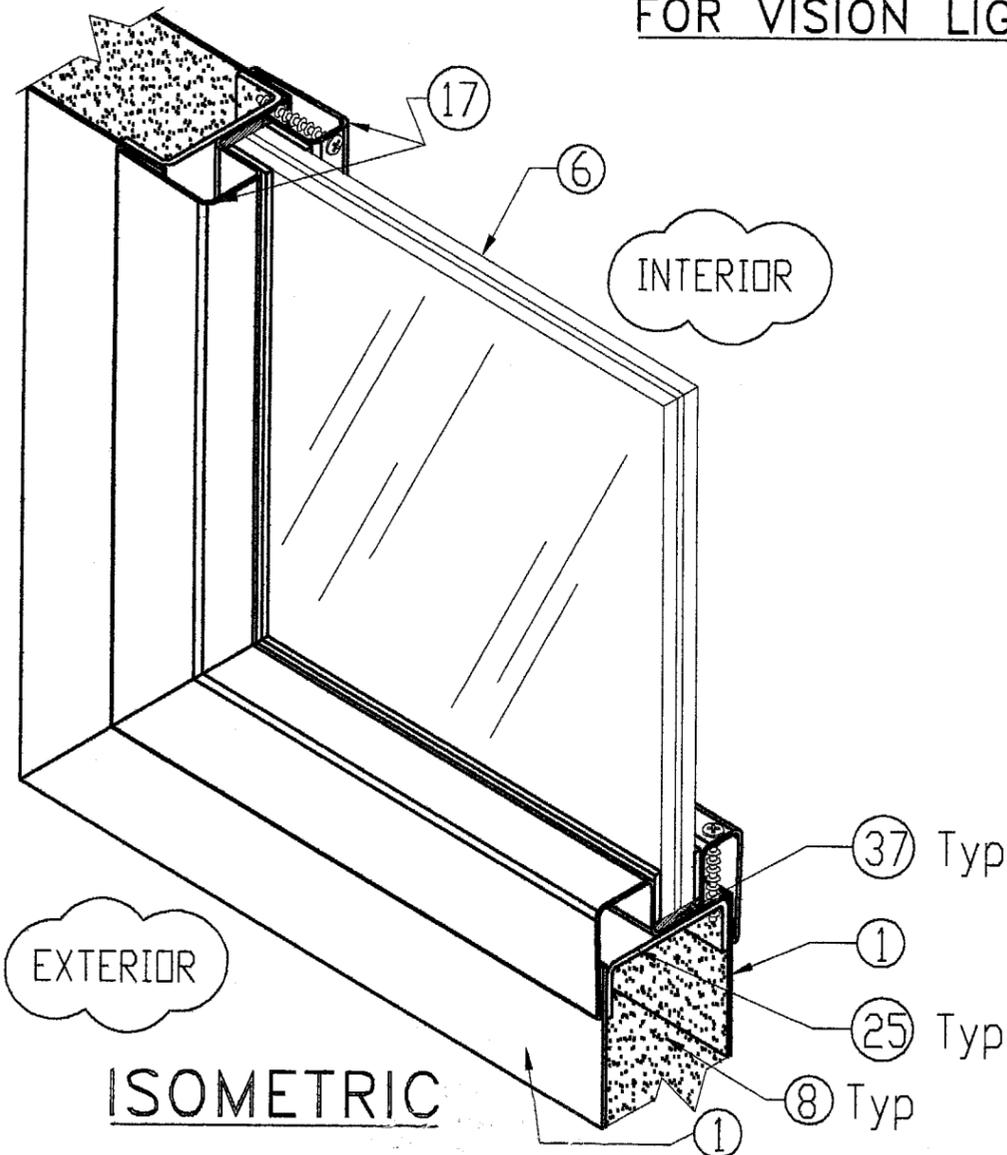
⑥ .475" Overall thickness laminated glass composed of: Two lites of .188" thick tempered glass with a .100" thick glasslam safety plus II interlayer W/1.5" edge, .010" thick P.E.T film by Glasslam NGI, INC.

1/8"x1/2" close cell foam tape per NOA # 03-0812.07

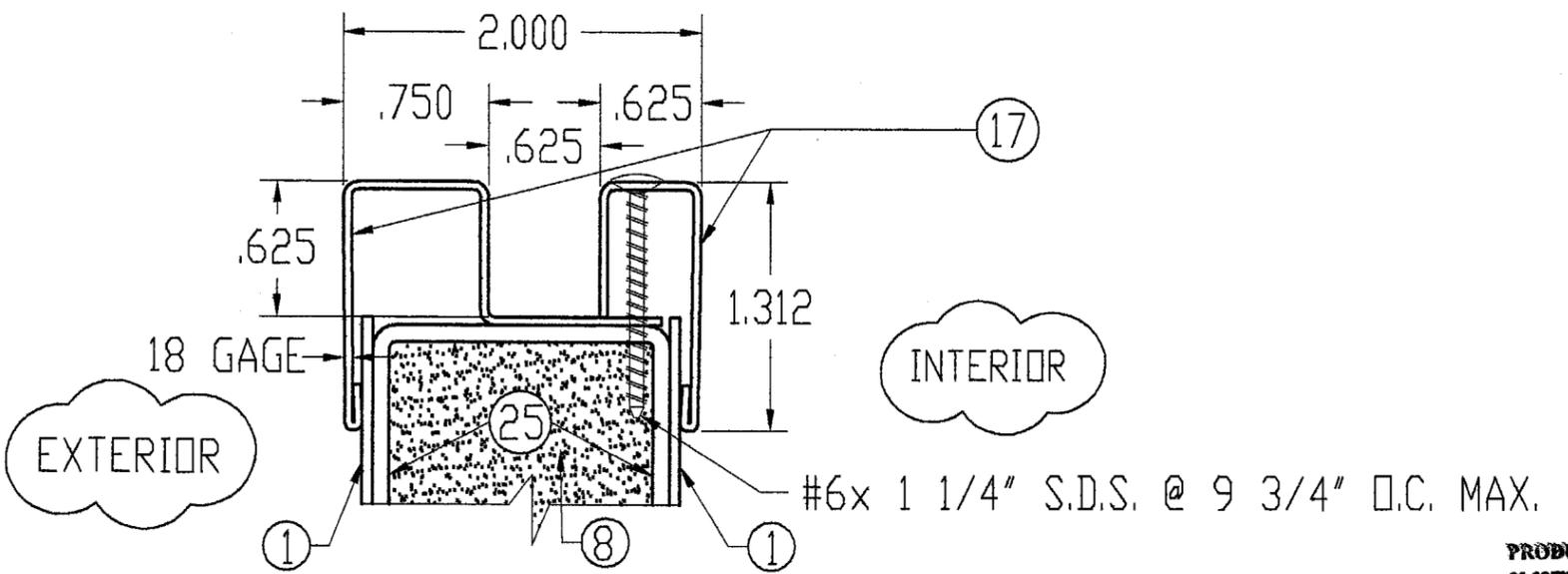
#6x 1 1/4" S.D.S. @ 9 3/4" O.C. MAX.

③7 Dow Corning 995 structural silicone sealant (1/8" thick)

GLAZING DETAIL



ISOMETRIC



VISION LIGHT FRAME DETAIL

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-0809-02 Expiration Date 04/05/2009
By Ismael L. Chanda Miami Dade Product Control Division

MATERIAL SPECIFICATIONS:

8070 & 4070 Series Doors
Vision Light Kit Details

REVISIONS: OLD R00849 07-26-05
GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

DRAWING NUMBER:

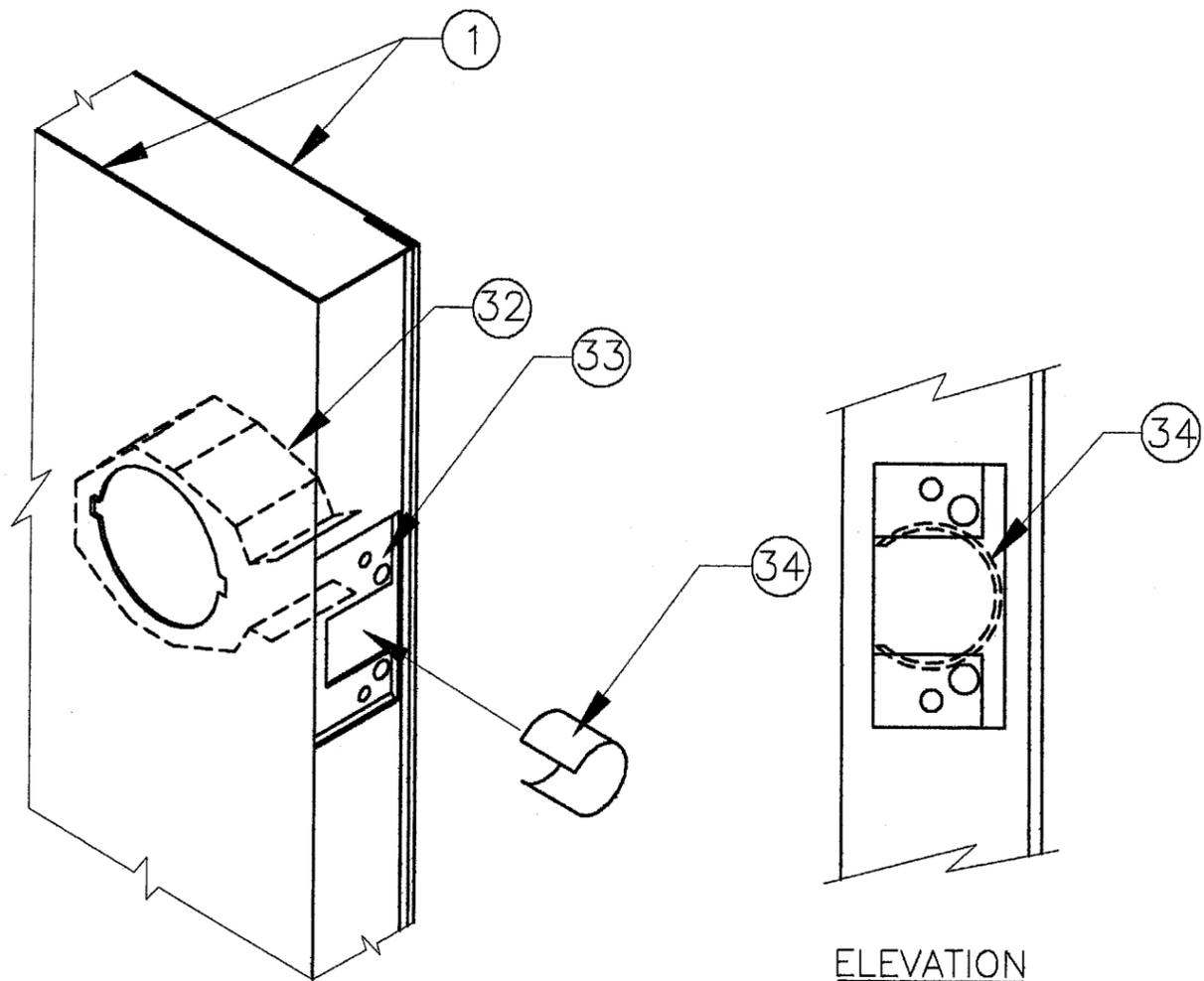
05-183
Sheet 14 Of 16

MIAMI-DADE COUNTY

WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305 VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

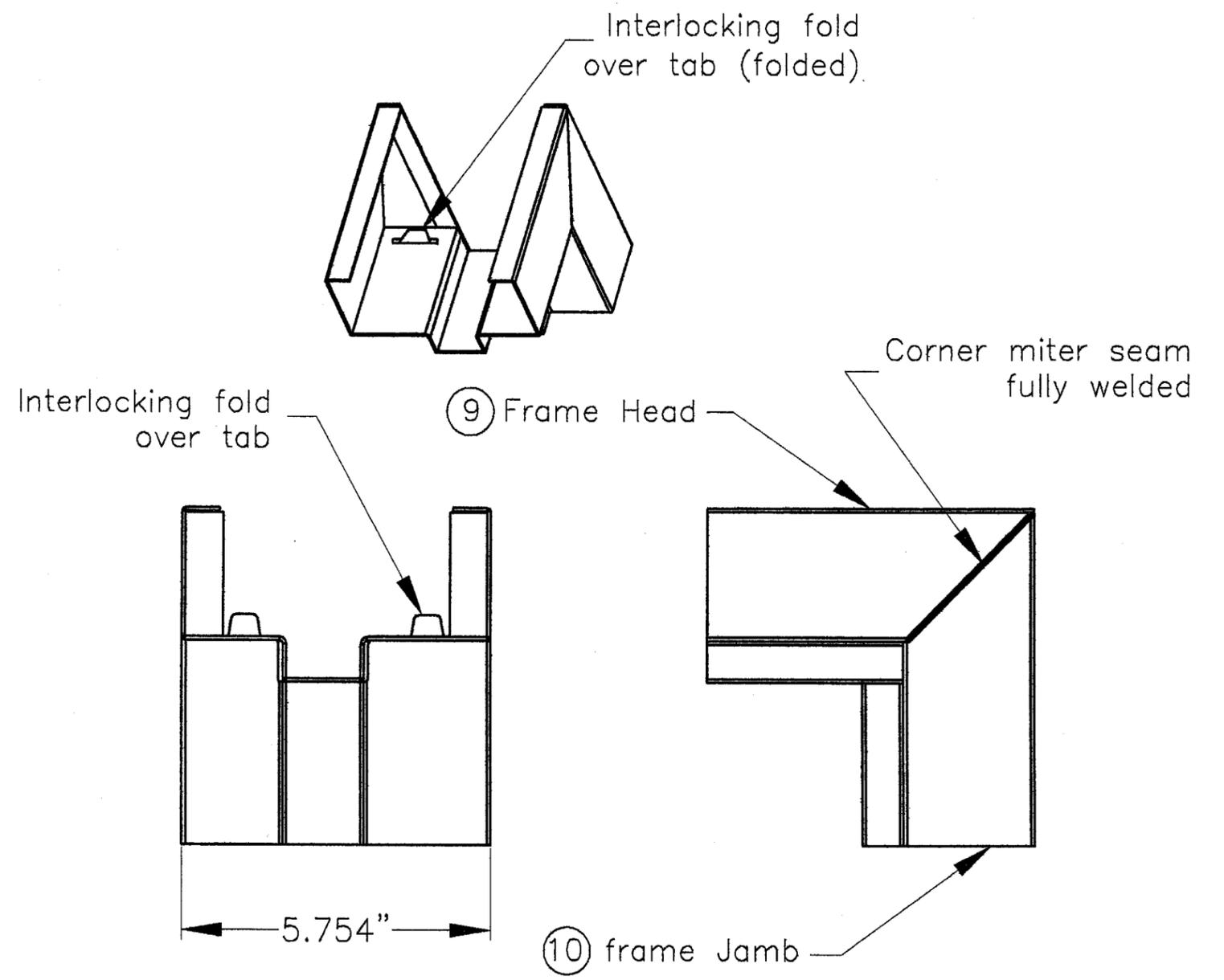
CECO DOOR PRODUCTS
Milan, Tennessee 38358



ISOMETRIC

ELEVATION

CYLINDRICAL LOCK DETAILS



FRAME CORNER CONDITION

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0809.02
 Expiration Date 10/05/2009
 By: *Ishaq I. Chaudhry*
 Miami Dade Product Control
 Division

MIAMI-DADE COUNTY

[Signature]
 12/26/05
 WALTER A. TILLIT Jr., P. E.
 P.E. SEAL/SIGNATURE/DATE

TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6385 N.W. 38th St., Ste. 305 WINDY GARDENS, FLORIDA 33166
 Phone: (305)871-1830 Fax: (305)871-1531
 EB-0008719
 WALTER A. TILLIT Jr., P. E.
 FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:

Cylindrical Lock Details And
 Frame Corner Condition For
 3070 Imperial Door

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

REVISIONS: OLD RD0849 07-26-05
 GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: 07-26-05

DRAWING NUMBER:
 05-183
 Sheet 15 Of 16

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE																								
①	2 Per	Face Sheet Conforming to ASTM A1008 and ASTM A568 at Flush Imperial Doors w/ Galvanneal A-60 Coating.	Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 38,000 psi)	16 Gauge (.053" Min. thick)																								
②	3	Hager BB1199, Steel Hinge Each Attached with Eight #12-24 x 1/2" F.H. M.S.	Steel	4 1/2" x 4 1/2" x 0.180" thick.																								
⑧	Req'd	Urethane Core (Elastopor® P16293R Resin Component/Elastopor® P1001U Isocyanate)	Polymeric MDI, Foam System is a two part liquid, self adhesive to skin when cured.	2 lb/ft ³ Density, w/ the following Fire Burning characteristics <table border="1"> <thead> <tr> <th>Test</th> <th>Description</th> <th>Value</th> <th>Report #</th> </tr> </thead> <tbody> <tr> <td>ASTM E 84</td> <td>Flame spread</td> <td>20.46 (FSI)</td> <td>U.L R5692/01nk36633</td> </tr> <tr> <td>ASTM E 84</td> <td>Smoke Developed</td> <td>331.6 (SDI)</td> <td>U.L R5692/01nk36633</td> </tr> <tr> <td>ASTM D-1929</td> <td>Self Ignition:</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Flash ignition</td> <td>761°F</td> <td>S.W.R.I. 01.10085.01.627</td> </tr> <tr> <td></td> <td>Spontaneous Ignition</td> <td>928°F</td> <td>S.W.R.I. 01.10085.01.627</td> </tr> </tbody> </table>	Test	Description	Value	Report #	ASTM E 84	Flame spread	20.46 (FSI)	U.L R5692/01nk36633	ASTM E 84	Smoke Developed	331.6 (SDI)	U.L R5692/01nk36633	ASTM D-1929	Self Ignition:				Flash ignition	761°F	S.W.R.I. 01.10085.01.627		Spontaneous Ignition	928°F	S.W.R.I. 01.10085.01.627
Test	Description	Value	Report #																									
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	Spontaneous Ignition	928°F	S.W.R.I. 01.10085.01.627																									
⑨	2	Series "SF", Frame Jamb, Double Rabbet Profile w/ Galvanneal A-60 Coating. Face Sheet Conforming to ASTM A1008 and ASTM A568	16 Ga. (0.053 Min.) Steel Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 31,500 psi)	2 5/8" Face, 5-3/4" Depth Min.																								
⑩	1	Series "SF", Frame Head, Double Rabbet Profile w/ Galvanneal A-60 Coating. Face Sheet Conforming to ASTM A1008 and ASTM A568	16 Ga. (0.053 Min.) Steel Commercial Quality Cold Rolled Steel (Minimum Yield Strength. of 31,500 psi)	2 5/8" Face, 5-3/4" Depth Min.																								
⑪	Req'd	General Electric Caulk (GE All Purpose Silicone) For Weatherstrip Screws, Frame Perimeter, Frame Sill Corners and Under Sill	Silicone	Silicone Rubber General Household																								
⑫	1	Formed Steel Channel w/ Galvanneal A-60 Coating (Conforming to ASTM A1008 and ASTM A568) on the Top of Both Doors, Spot Welded Both Skins @ 3 1/2" O.C.	Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 31,500 psi)	3/4" x 1.656" x 3/4" x 12 GA. Cont. (0.093 Min.) Cont.																								
⑬	1	Closer Reinforcement w/ Galvanneal A-60 Coating, Conforming to ASTM A1008 and ASTM A568, at Each Closer Location at Top of Both Door Panels	Steel by Ceco Door Products, Die # 4-941	5 3/8" High x 1.636" x 14 GA. (0.067 Min.) Channel																								
⑮	1	Formed Steel Channel w/ Galvanneal A-60 Coating (Conforming to ASTM A1008 and ASTM A568) on the Top of Both Doors, Spot Welded Both Skins @ 3 1/2" O.C.	Commercial Quality Cold Rolled Steel (Minimum Yield Strength of 31,500 psi)	3/4" x 1.656" x 3/4" x 12 GA. (0.093 Min.) Cont.																								
⑯	1	National Guard Threshold #8135N on a Back Bed of Caulk ⑪	Extruded Aluminum (6063-T5 Alloy), with 1/4"x3/8" Silicone Weatherstrip	48" Long Ea. (1/2" High x 3 3/4" Wide x 0.093"/0.115" thick)																								
⑲	3	Hinge Reinforcing Plate, Spot Welded to Frame Jamb at Each Hinge Location	Steel by Ceco Door Products, Die # 4-732	1 1/4" x 9" x 7 GA.																								
⑳	3	Hinge Reinforcing Plate, Spot Welded to Door Edge at Each Hinge Location	Steel by Ceco Door Products, Die # 4-732	1 1/4" x 9" x 7 GA.																								
㉓	1 Set	Hager Weatherstrip, Profile Number 891S, All Around Frame Jamb + Head	Mill Finish Aluminum Retainer (6063-T5 Alloy) with Silicone Seal	3/4"x1/4"(Alum.) + 1/4"x1/4" (Silicone) Attached w/ #6x3/4" S.D.S. @ 8" O.C.																								
㉘	Req'd	Existing Opening Anchor w/ 3/8" F.H. Power Bolt, by Power Fasteners Inc.	Galvanized Steel by Ceco Door Products, Die # 4-622	18 Gage Thick																								
㉘B	Req'd	Tapcons, by Elco Textron or ITW Buildex @ 10" o.c. and 3 3/8" from Ends	Steel	3/16"Øx1 3/4" F.H.																								
㉙	1	Best 93K7D15D-S3-626 Cylindrical Lock	As per Best Access Systems DWG # 04-000-0021b																									
㉚	1	Cylindrical Lock Guard	Galvanized Steel 18 gage CR (0.042) x 10.75 Coil, by Ceco Door Products, Die # 4-741	1.605" x 3.280" x 18 Ga. (0.042 Min.)																								
㉛	1	Cylindrical Lock Reinforcement	Steel, by Ceco Door Products, Die # RD0528	1 1/4" x 4 1/4" x 12 ga. (0.093 min.)																								
㉜	1	Door Latch Reinforcement, Steel "C" Ring w/ Galvanneal A-60 Coating.	Steel (C 1010 Galvanized CRS Temper NY), by Ceco Door Products, Die # DM-21, Part No. 7000340	.015" Thick x 1.313" Inside Diameter x 0.975" Long																								
㉝	1	Frame Strike Reinforcement w/ Galvanneal A-60 Coating, Spotwelded To Lock Jamb at Strike Location	Steel, by Ceco Door Products, Die # LKREF-11, Part No LSRA	1.750" x 7.000" x 12 ga. (0.093 min.)																								
㉞	2 Per	Face Sheet Conforming to ASTM A1008 and ASTM A568 at Embossed Imperial Doors w/ Galvanneal A-60 Coating.	Commercial Quality Galvannealed Steel (Minimum Yield Strength of 31,500 psi)	16 Gauge (0.053" Min. Thick)																								

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0809-02
 Expiration Date 04/05/2009
 By Isham L. Chand
 Miami Dade Product Control
 Division

MATERIAL SPECIFICATIONS:

3070 Series
Bill Of Materials

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

REVISIONS: OLD RD0849 07-26-05
 GENERAL 12-19-05

DRAWN BY: S.M./M.C.V. DATE: **07-26-05**

DRAWING NUMBER:
05-183
 Sheet 16 Of 16

[Signature]

WALTER A. TILLIT Jr., P. E.
 P.E. SEAL/SIGNATURE/DATE

TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166
 Phone: (305)871-1530 Fax: (305)871-1531
 EB-0008719
 WALTER A. TILLIT Jr., P. E.
 FLORIDA Lic. # 44167

MIAMI-DADE COUNTY