



**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)

**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 Flush Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No "RD0849", titled "Series 8070 Elevation Drawing Flush & Glazed Imperial Doors", sheets 1 through 16 of 16 prepared by Tilteco Inc., dated 10/06/03, signed and sealed by Walter A. Tillit Jr., P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E.**



Handwritten signature and date: 7/16/04

**NOA No 04-0611.04
Expiration Date: August 05, 2009
Approval Date: August 05, 2004**

CECO Door Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and sections drawings.
2. Drawing No. "RD0849", titled "Series 8070 Elevation Drawing Flush & Glazed Imperial Doors", sheets 1 through 16 of 16 prepared by Tilteco Inc., dated 10/06/03, signed and sealed by Walter A. Tillit Jr., P. E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Large Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
5) 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 (specimen # 1, 2, 3, & 5), dated 02/11-21/04, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS:

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by Tilteco Inc., dated 05/10/04, signed and sealed by Walter Tillit Jr., P. E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 03-0916.02, issued to Nebula Glass International, Inc. for "Glasslam Safety Plus Laminated Glass", approved on 10/23/04 and expiring on 09/09/08.

F. STATEMENTS

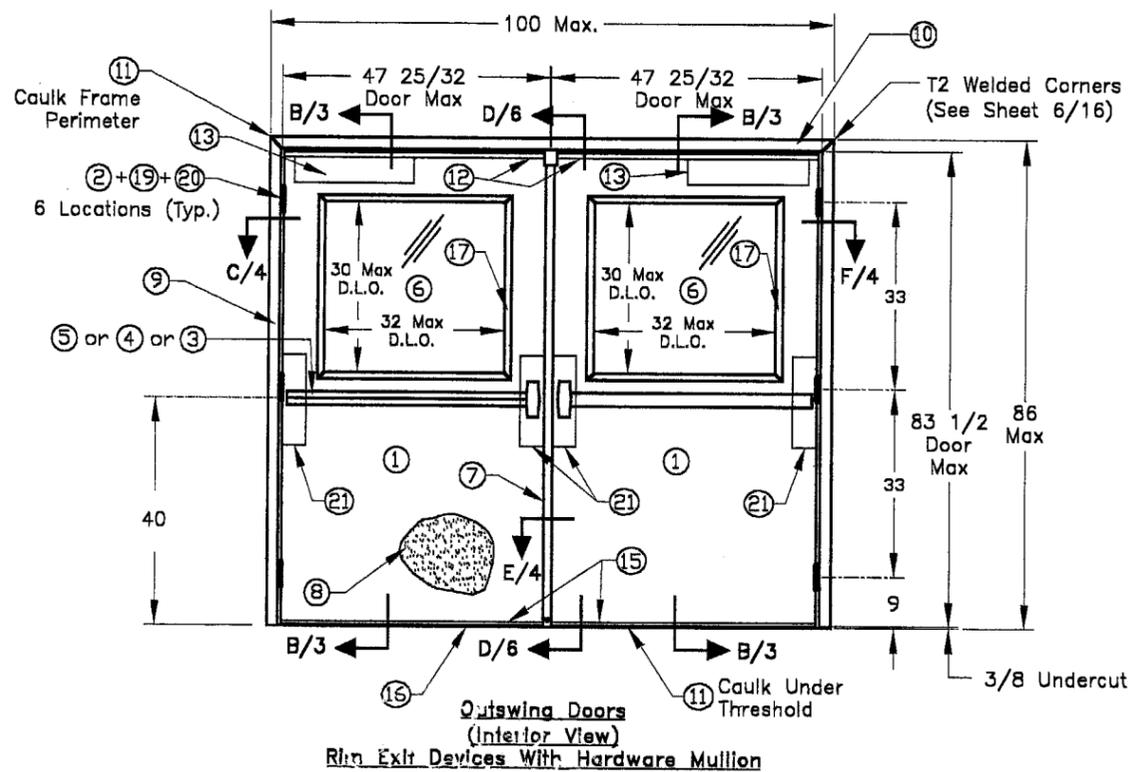
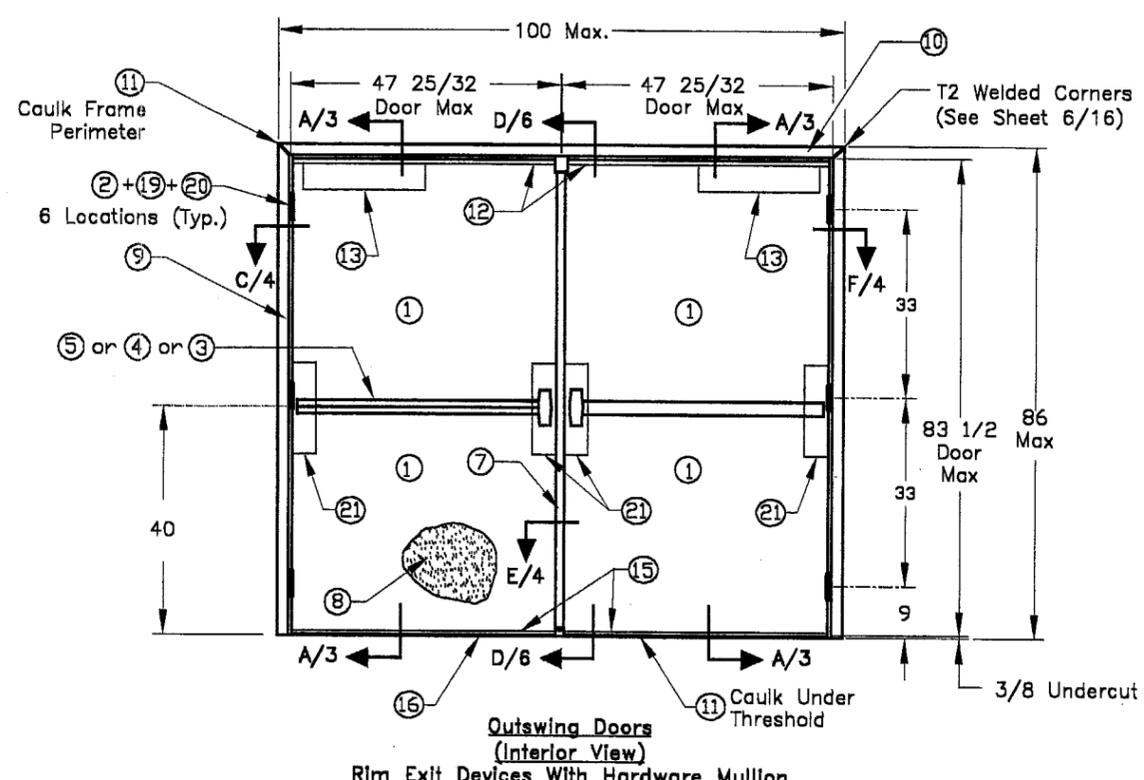
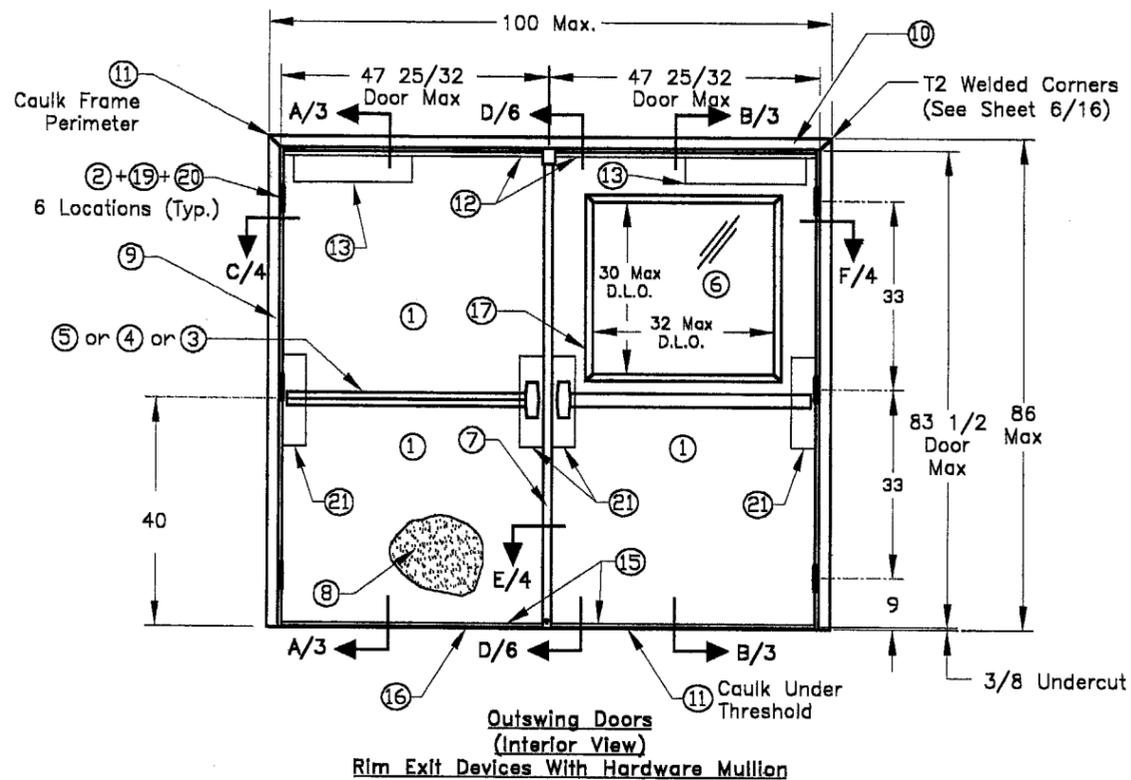
1. Statement letter of conformance and no financial interest, dated May 12, 2004, issued by Tilteco Inc., signed and sealed by Walter A. Tillit, P.E.

G. OTHER

1. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).



FOR: **Herminio F. Gonzalez, P.E.**
Director, Product Control Division
NOA No 04-0611.04
Expiration Date: August 05, 2009
Approval Date: August 05, 2004



General Notes:

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 2001 edition of the Florida Building Code. Door may be installed at High Velocity Hurricane Zones. Design wind loads shall be determined as per section 1619 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. This Door's adequacy for impact and cyclic resistance has been verified in accordance with section 1606.1.4 of the above mentioned code as per TAS-201, TAS-202, TAS-203, as per HTL lab report #0345-0203-04 and as per submitted structural calculations, performed as per section 1611 of the Florida Building Code.
2. Design Pressure: +70 psf, -70 psf
3. Minimum Frame Depth: 5 3/4"
4. See Sheet 7, 8, 9 & 14 for Component Nomenclature
5. See Sheet 5 for Anchor Detail and Location
6. All Dimensions are in inches
7. This Door DOES NOT require Hurricane Protection System
8. This Door IS NOT Approved for Water Infiltration
9. (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) This P.A.D. shall bear the date and original seal and signature of the professional engineer of record that prepared it.
10. 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.

Approved as complying with the
Florida Building Code
Date 08/05/04
NOA# 04-0611-04
Miami Dade Product Control
Division
By: *Walter A. Tillit Jr.*

MIAMI-DADE COUNTY

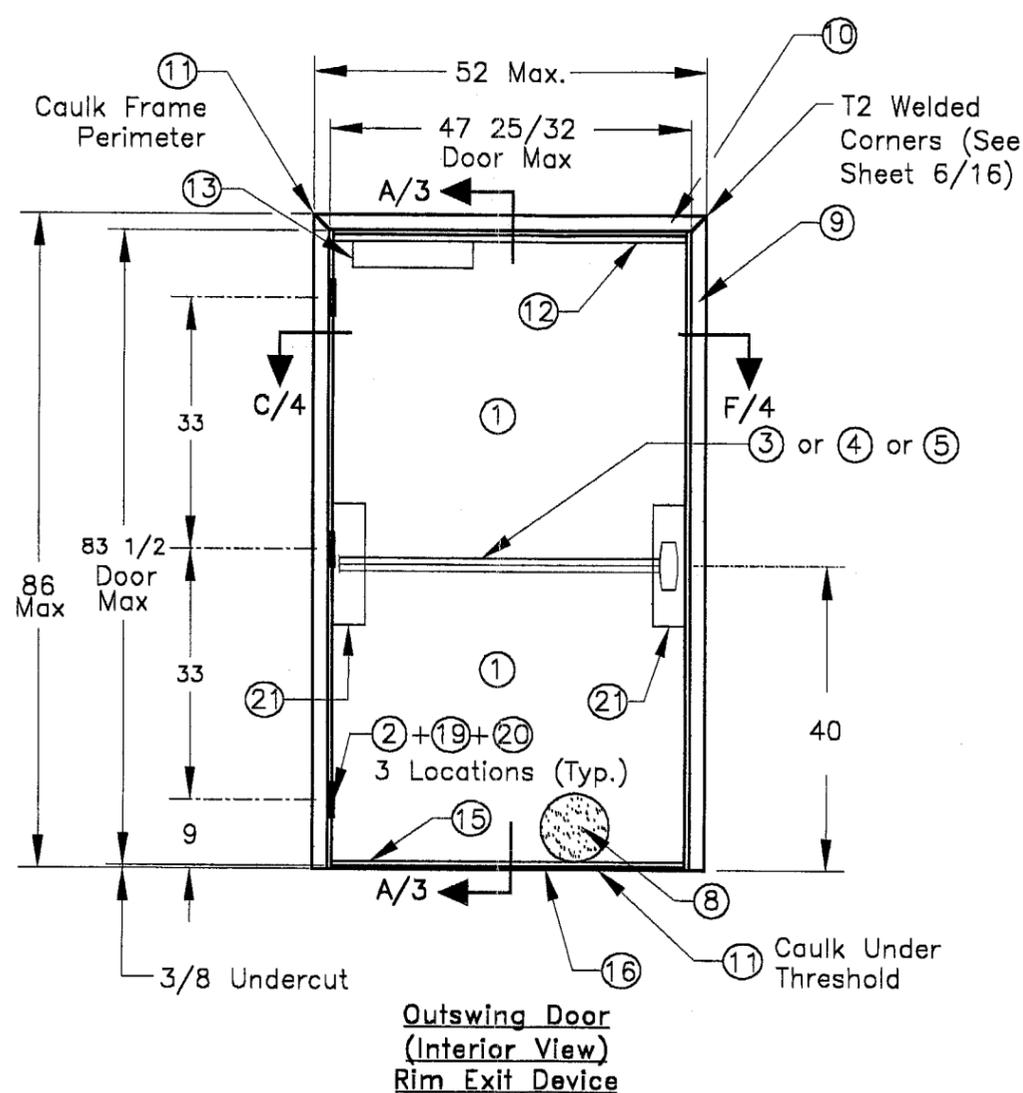
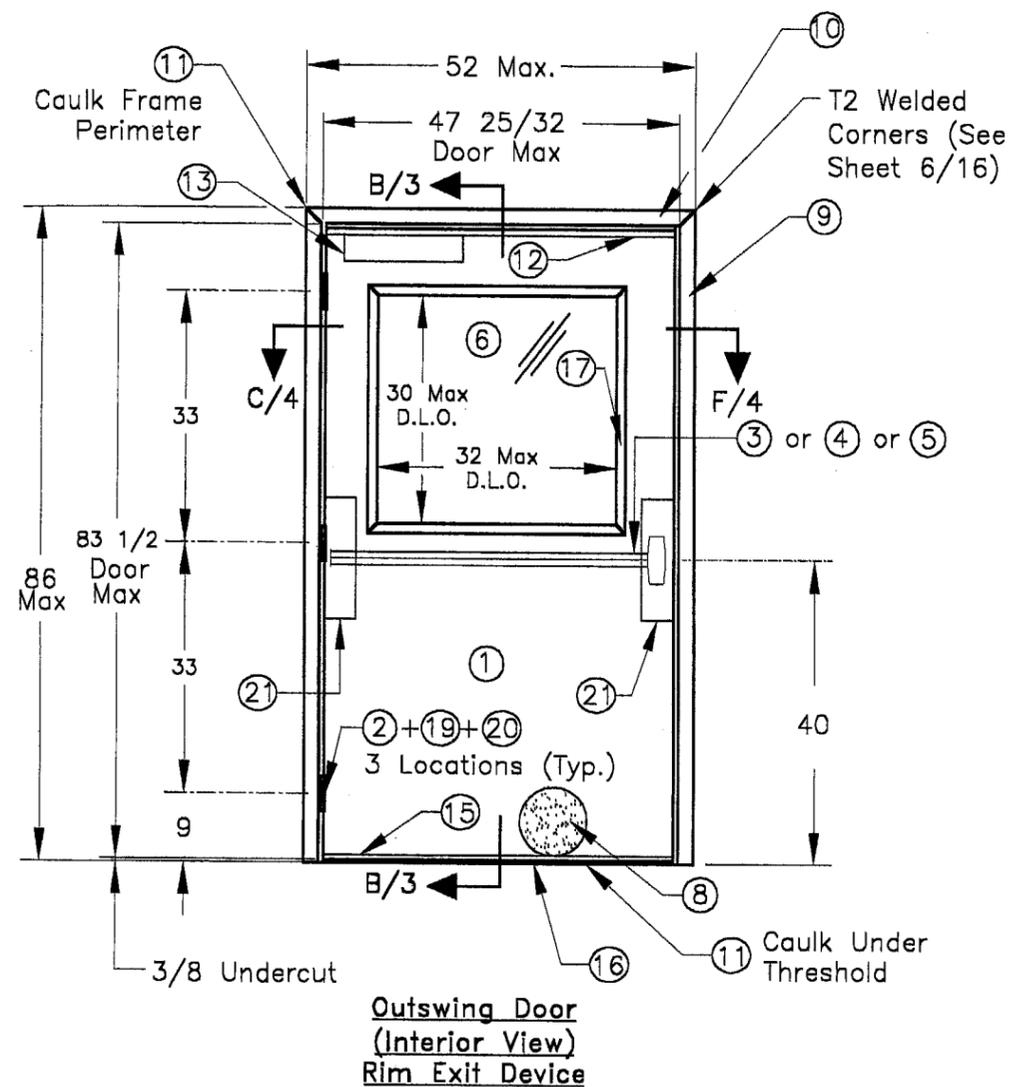
JUN 03 2004
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1830 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive
Primer, One Coat

8070 Series Elevation Drawing
Flush & Glazed Imperial Doors
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE REVISIONS	
DRAWN BY:	DATE: 10-6-03
DRAWING NUMBER: RD0849 Sheet 1 Of 16	



General Notes:

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 2001 edition of the Florida Building Code. Door may be installed at High Velocity Hurricane Zones. Design wind loads shall be determined as per section 1619 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. This Door's adequacy for impact and cyclic resistance has been verified in accordance with section 1606.1.4 of the above mentioned code as per TAS-201, TAS-202, TAS-203, as per HTL lab report #0345-0203-04 and as per submitted structural calculations, performed as per section 1611 of the Florida Building Code.

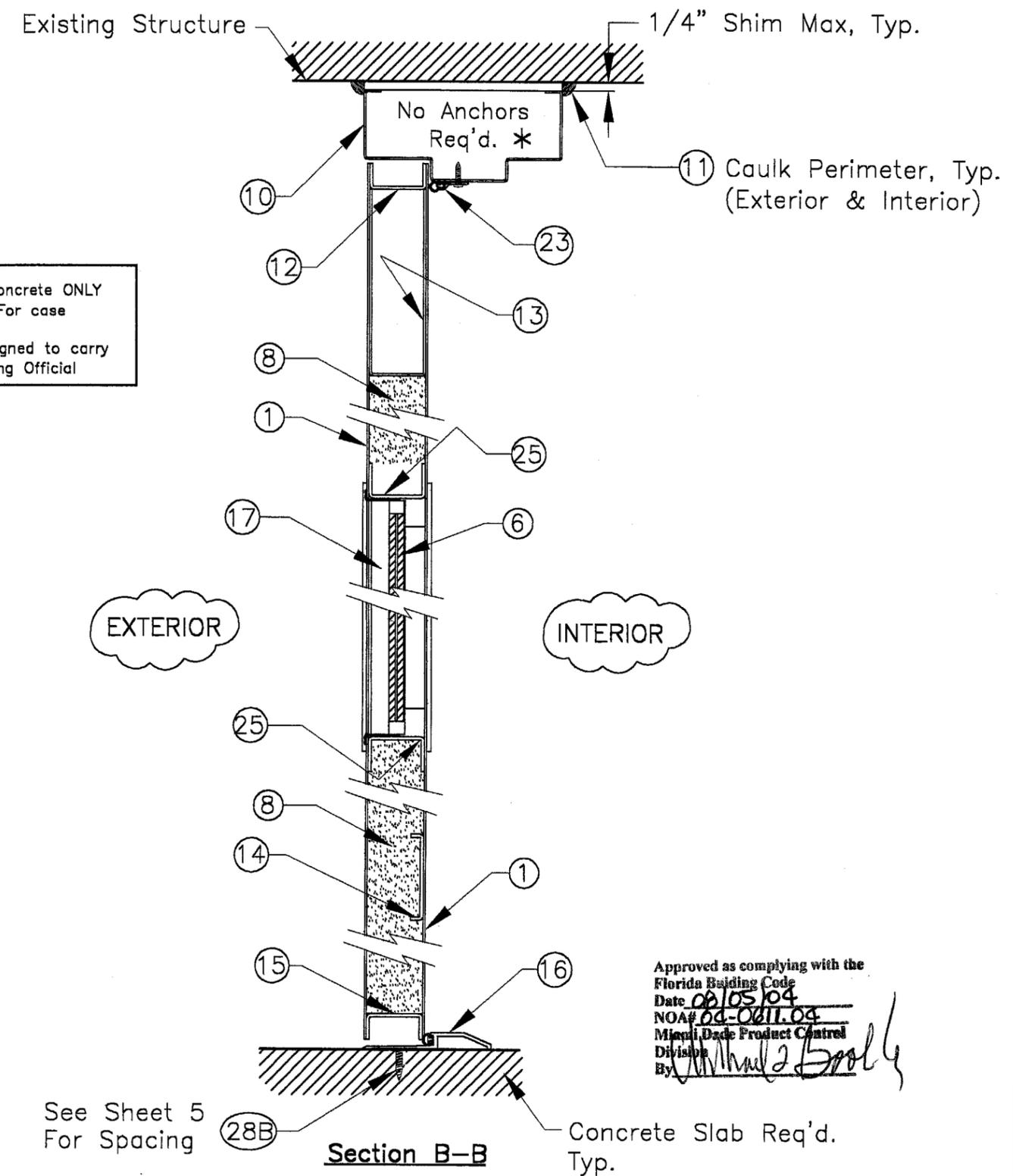
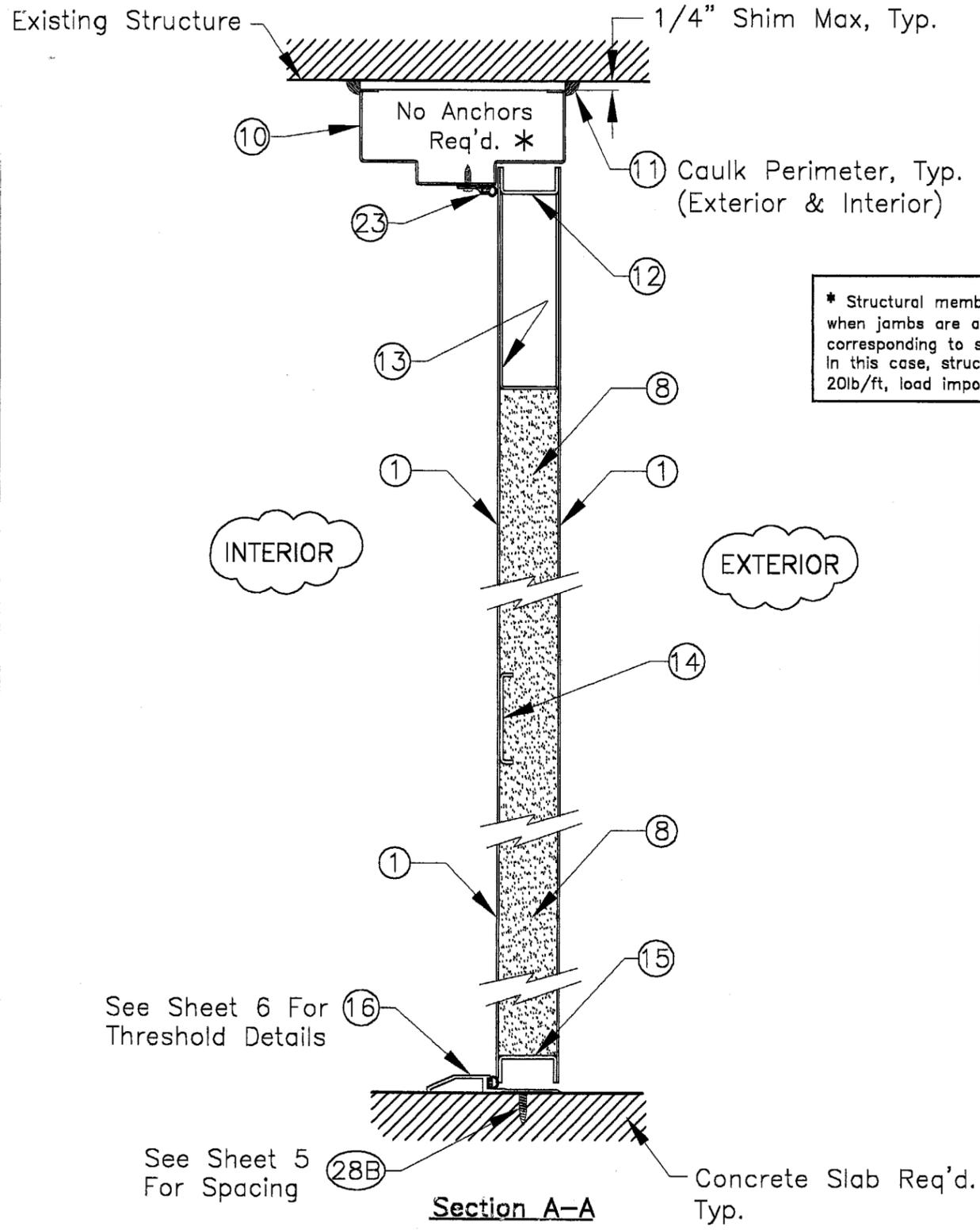
- 2. Design Pressure: +70 psf, -70 psf
- 3. Minimum Frame Depth: 5 3/4"
- 4. See Sheet 7, 8, 9 & 14 for Component Nomenclature
- 5. See Sheet 5A for Anchor Detail and Location
- 6. All Dimensions are in inches
- 7. This Door DOES NOT require Hurricane Protection System
- 8. This Door IS NOT Approved for Water Infiltration
- 9. (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) This P.A.D. shall bear the date and original seal and signature of the professional engineer of record that prepared it.

10. 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.

Approved as complying with the
 Florida Building Code
 Date 08/05/04
 NOA# 04-0611.04
 Miami Dade Product Control
 Division
 By *[Signature]*

JUN 03 2004 WALTER A. TILLIT Jr., P. E. P.E. SEAL/SIGNATURE/DATE	 TILLIT TESTING & ENGINEERING COMPANY 8895 N.W. 36th St., Ste. 217, 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	4070 Series Elevation Drawing Flushed & Glazed Imperial Doors Milan, Tennessee 38358	ISSUE REVISIONS	
				DRAWN BY:	DATE: 10-6-03
				DRAWING NUMBER: RD0849 Sheet 2 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

See Sheet 7, 8 & 9 for Component Nomenclature

See Sheet 6 For Threshold Details

See Sheet 5 For Spacing

Approved as complying with the Florida Building Code
 Date: 08/05/04
 NOA# 04-0811.04
 Miami-Dade Product Control Division
 By: [Signature]

See Sheet 5 For Spacing

Concrete Slab Req'd. Typ.

MIAMI-DADE COUNTY

Walter A. Tillit Jr.
 JUN 03 2004
 WALTER A. TILLIT JR., P. E.
 P.E. SEAL/SIGNATURE/DATE

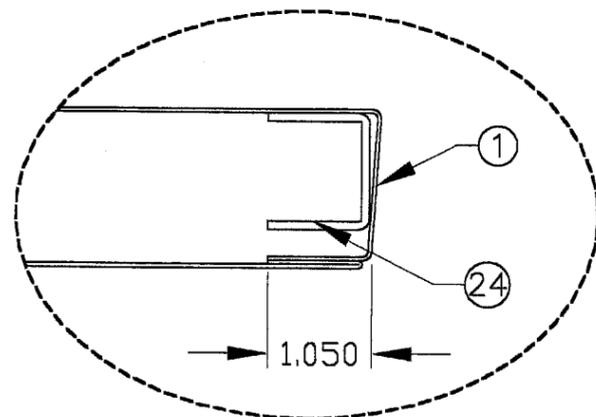
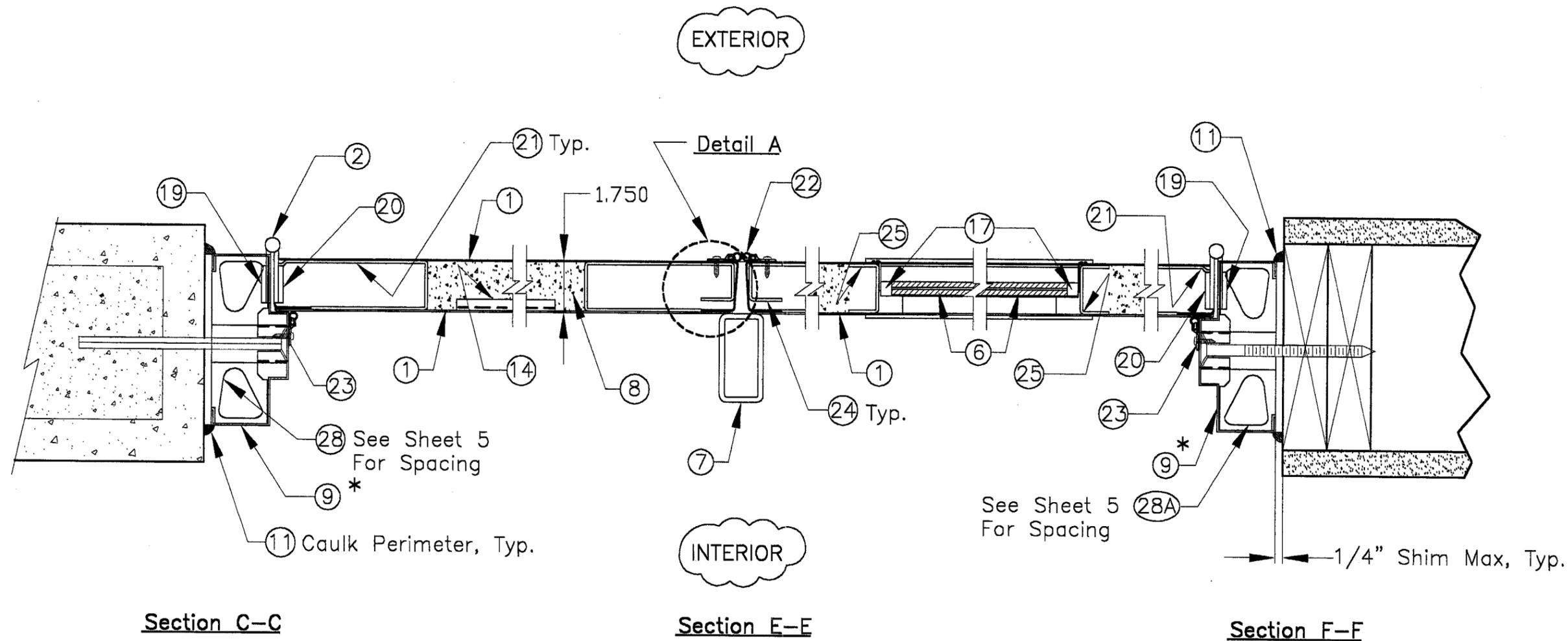
TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 8595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33168
 Phone: (305)871-1930 Fax: (305)871-1531
 EB-0006719
 WALTER A. TILLIT JR., P. E.
 FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:

Vertical Cross Sections For 8070 & 4070 Series Imperial Doors

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

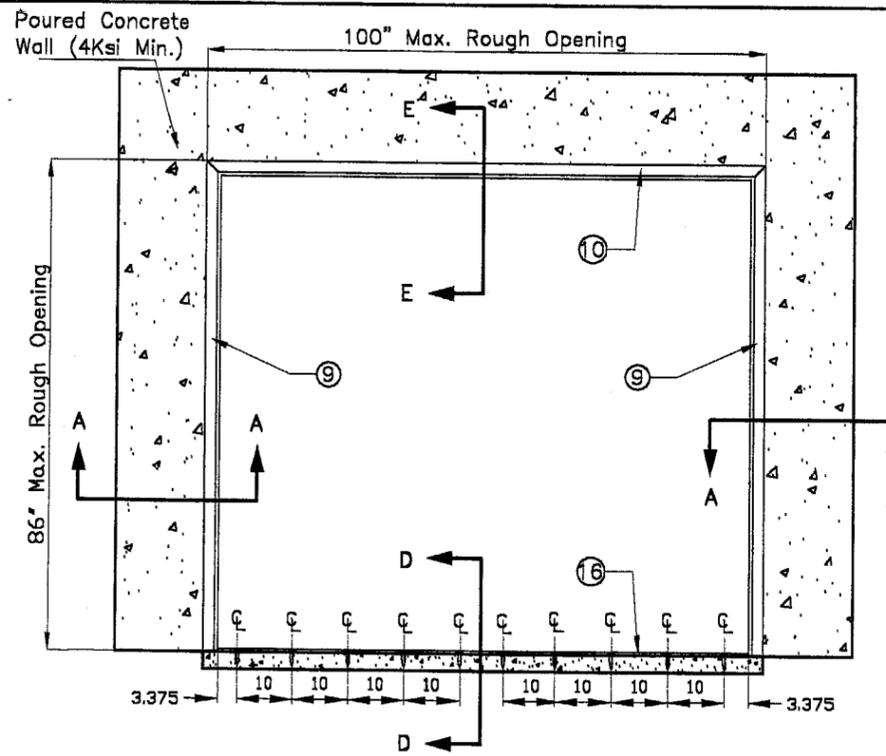
ISSUE		REVISIONS	
DRAWN BY:		DATE:	10-6-03
DRAWING NUMBER:			
RD0849			
Sheet 3 Of 16			



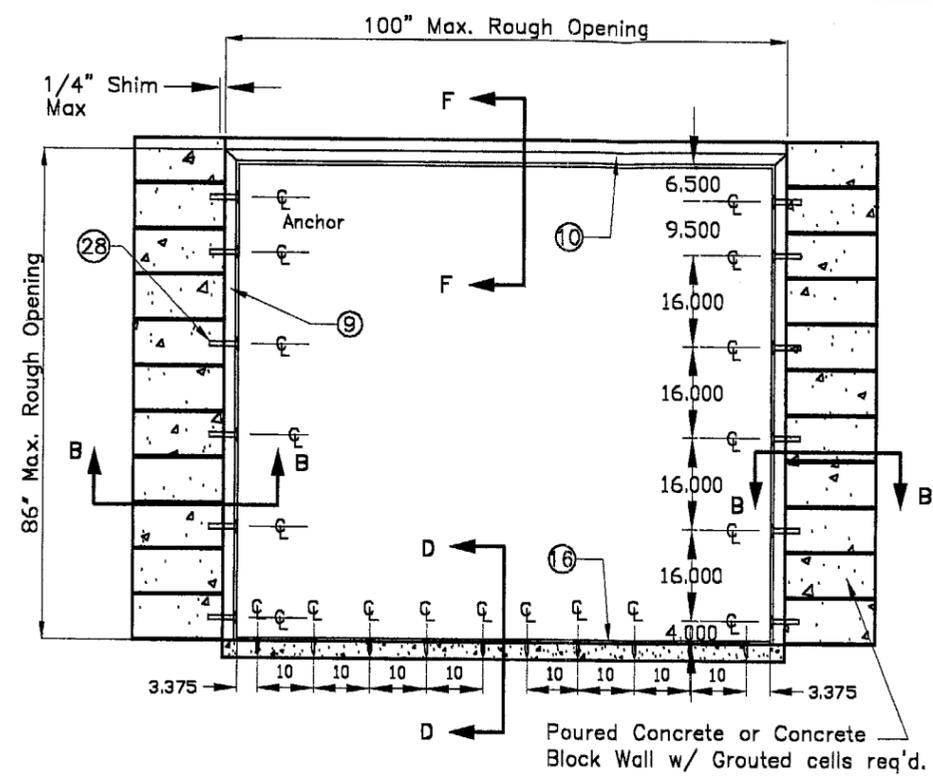
* Jamb ⑨ may also be attached by pouring concrete into it as per section A-A, on sheet 5.

Approved as complying with the Florida Building Code
 Date 08/05/04
 NOA# 04-061104
 Miami Code Product Control
 Division
 By *[Signature]*

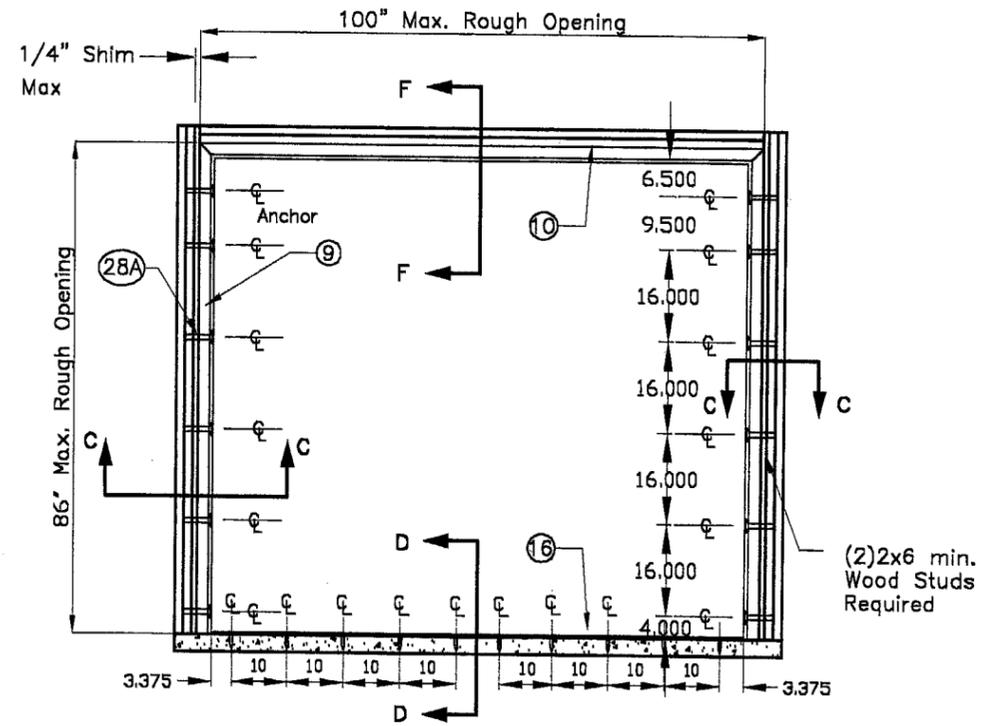
MIAMI-DADE COUNTY	 JUN 03 2004 WALTER A. TILLIT Jr., P. E. P.E. SEAL/SIGNATURE/DATE	 TILLIT TESTING & ENGINEERING COMPANY 6895 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33168 Phone: (305)871-1530, Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167	MATERIAL SPECIFICATIONS:	Horizontal Cross Sections For 8070 & 4070 Series Imperial Doors	ISSUE	REVISIONS
				 CECO DOOR PRODUCTS Milan, Tennessee 38358	DRAWN BY:	DATE: 10-6-03
					DRAWING NUMBER: RD0849	
					Sheet 4 Of 16	



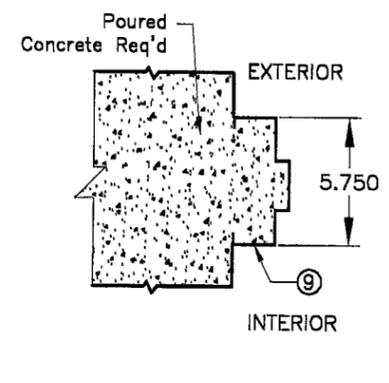
FRAME CONNECTION AT POURED CONCRETE WALL
8-0 x 7-0 DOOR SIZE



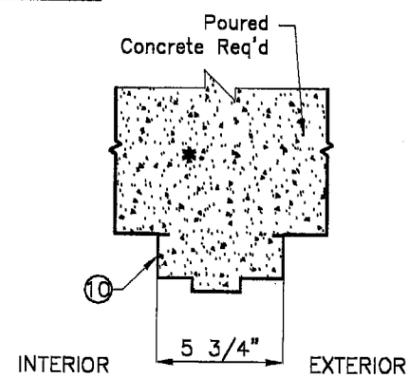
FRAME ANCHORS AT POURED CONCRETE OR CONCRETE BLOCK WALL
8-0 x 7-0 DOOR SIZE



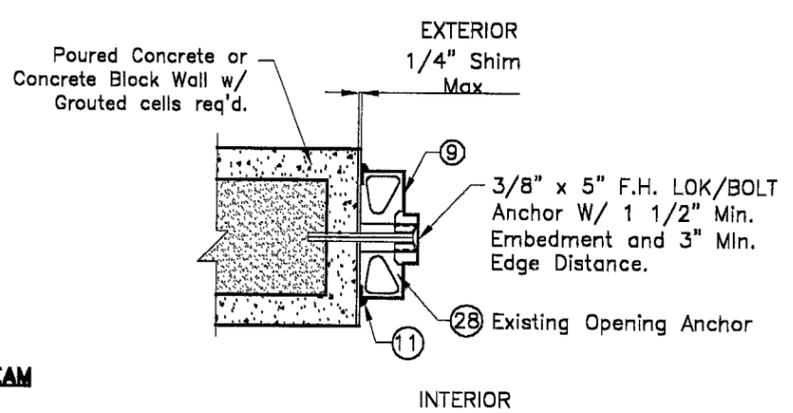
FRAME ANCHORS AT WOOD STUDS
8-0 x 7-0 DOOR SIZE



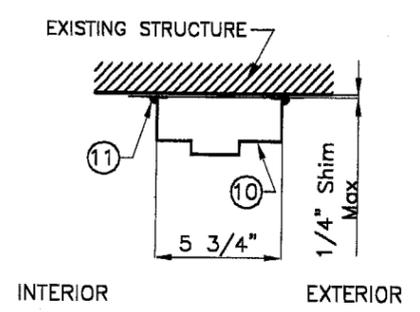
SECTION A-A
9 FRAME JAMB AT POURED CONCRETE WALL



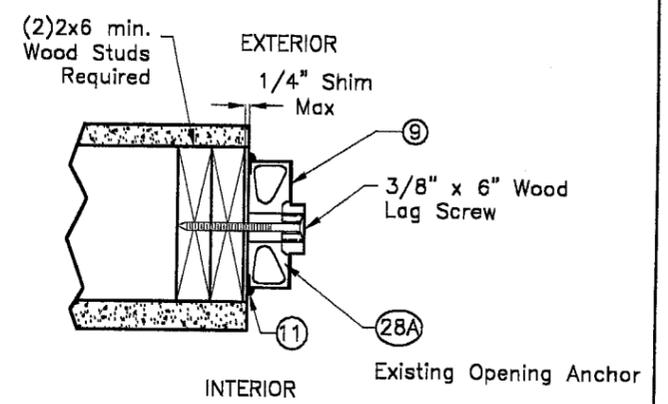
SECTION E-E
10 FRAME JAMB AT POURED CONCRETE BEAM



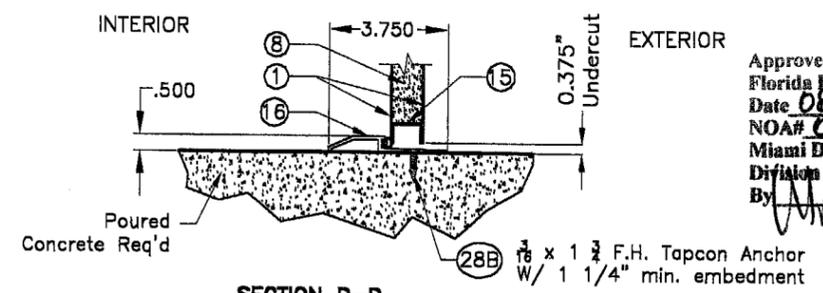
SECTION B-B
28 ANCHOR BOLT AT MASONRY WALL



SECTION F-F
10 FRAME JAMB AT EXISTING STRUCTURE



SECTION C-C
28A ANCHOR AT WOOD STUDS



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

* 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) In this case, structural member at head must be designed to carry 20lb/ft, load imposed and must be reviewed by Building Official

Approved as complying with the Florida Building Code
Date 08/05/04
NOA# 04-061104
Miami Dade Product Control Division
By [Signature]

See Sheets 7, 8 & 9 for Components Nomenclature

MIAMI-DADE COUNTY

[Signature]
JUN 03 2004
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

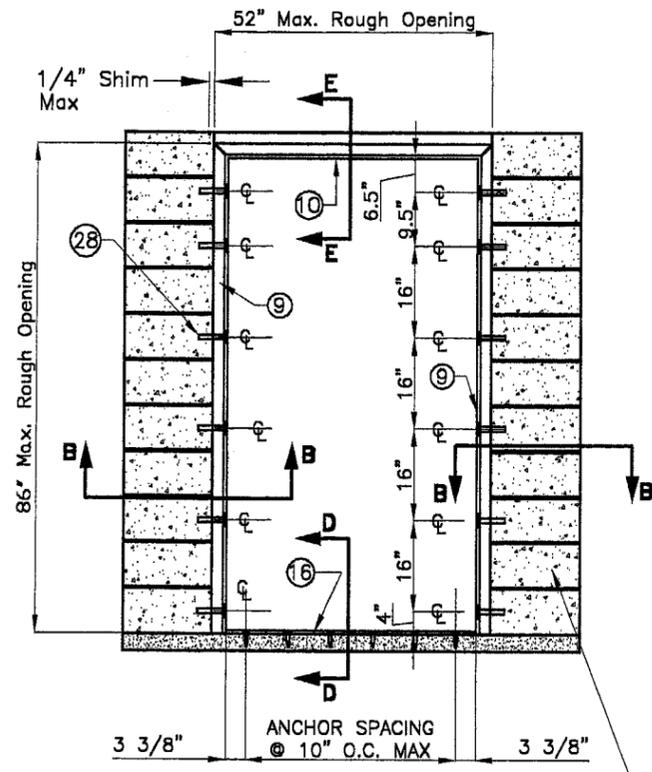
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33186
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:

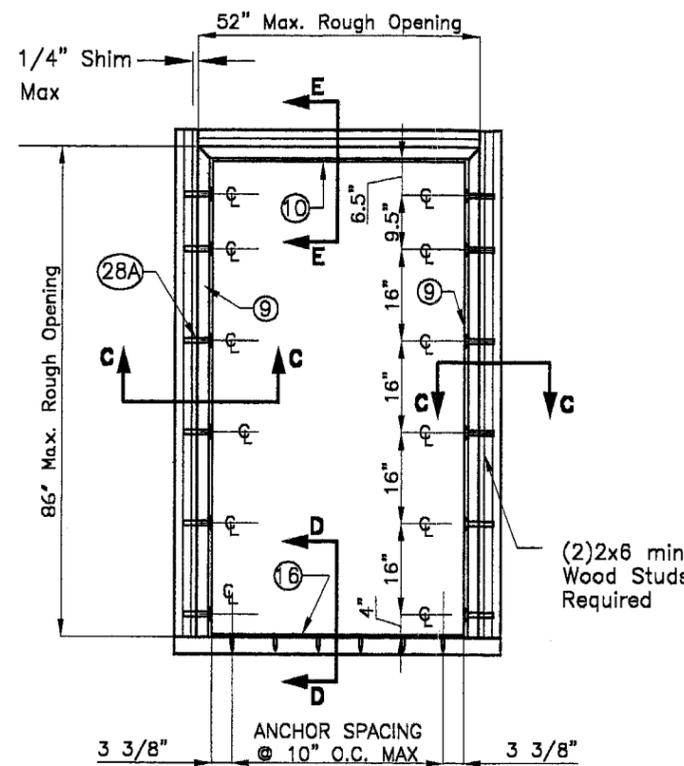
Frame Anchor Installation Details For
8070 Series Imperial Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

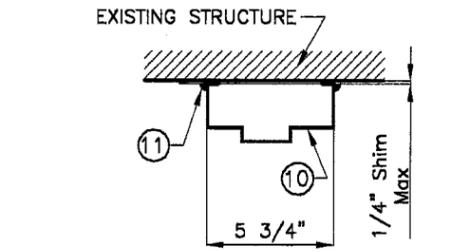
ISSUE		REVISIONS	
DRAWN BY:		DATE:	10-6-03
DRAWING NUMBER:			
RD0849			
Sheet 5 Of 16			



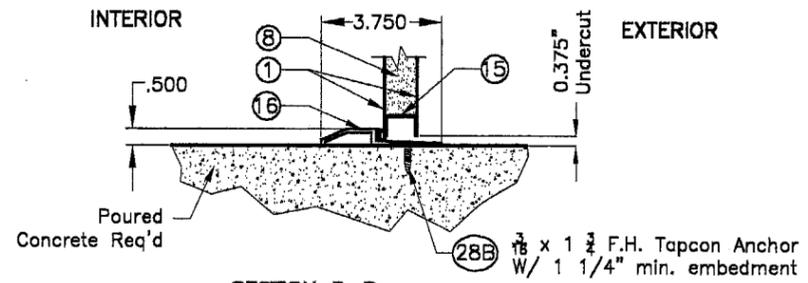
FRAME ANCHORS AT POURED CONCRETE OR CONCRETE BLOCK WALL
4'-0" x 7'-0" DOOR SIZE



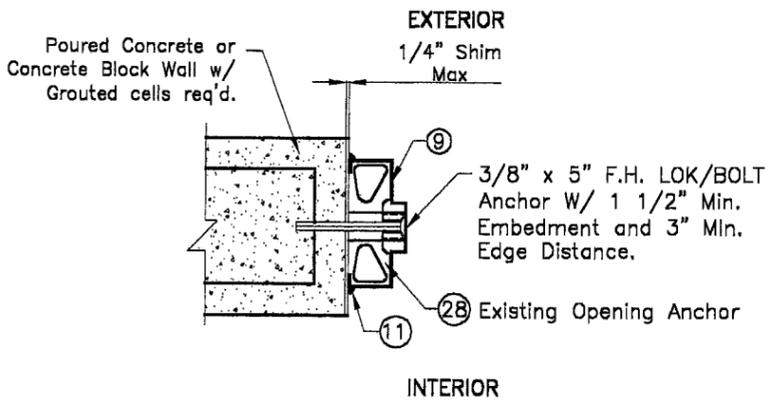
FRAME ANCHORS AT WOOD STUDS
4'-0" x 7'-0" DOOR SIZE



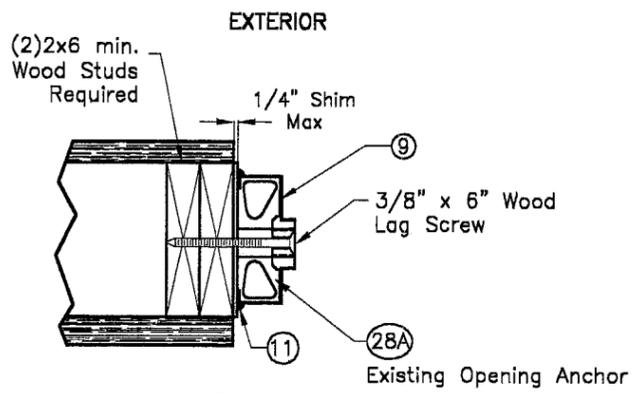
SECTION E-E
(10) FRAME JAMB AT EXISTING STRUCTURE



SECTION D-D
(28B) ANCHORS AT (16) THRESHOLD



SECTION B-B
(28) ANCHOR BOLT AT MASONRY WALL



SECTION C-C
(28A) ANCHOR AT WOOD STUDS

Approved as complying with the
Florida Building Code
Date 08/05/04
NOA# 04-0611.04
Miami Dade Product Control
Division
By: *[Signature]*

See Sheets 7, 8 & 9 for
Components Nomenclature

MIAMI-DADE COUNTY

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

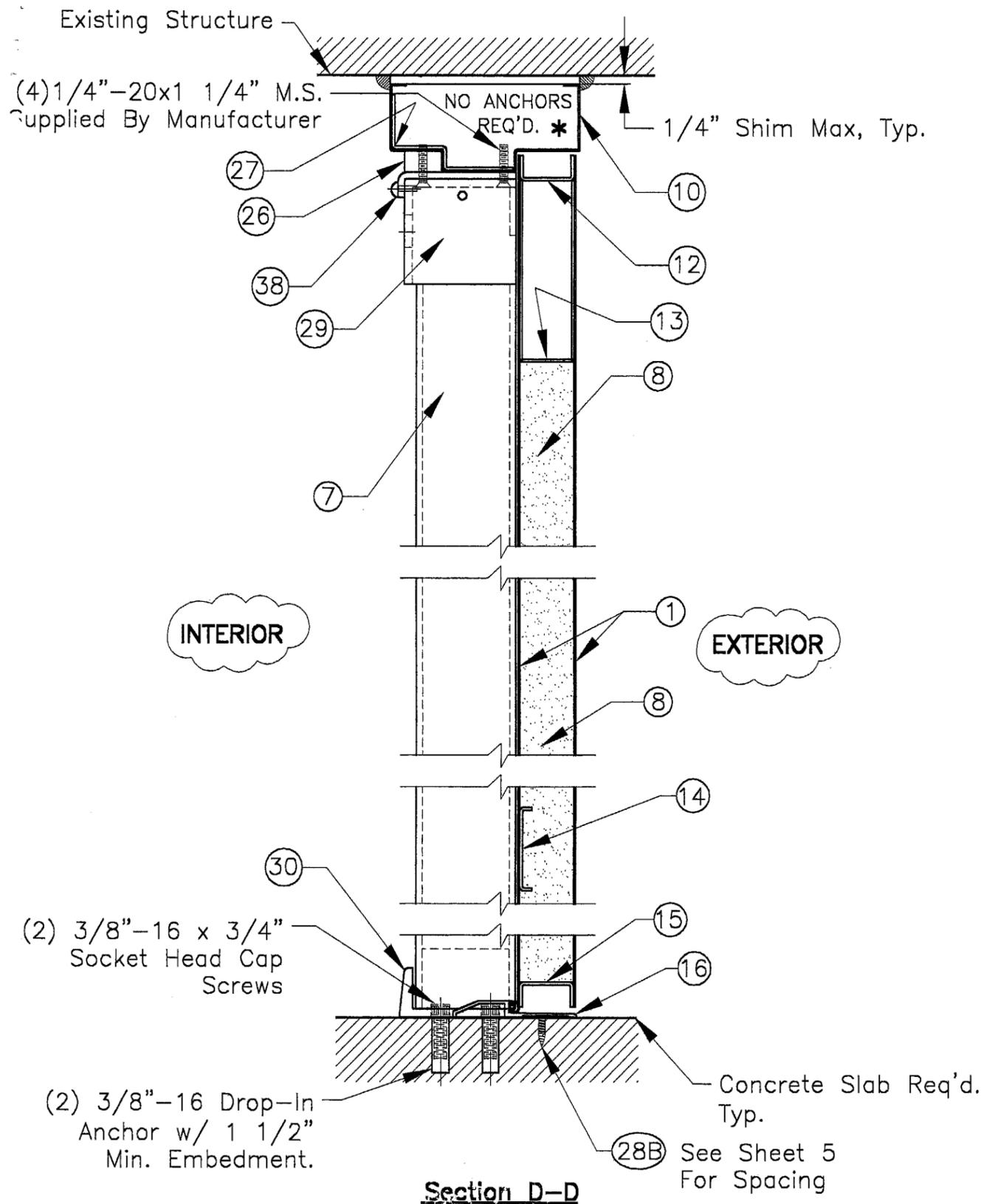
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6505 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:

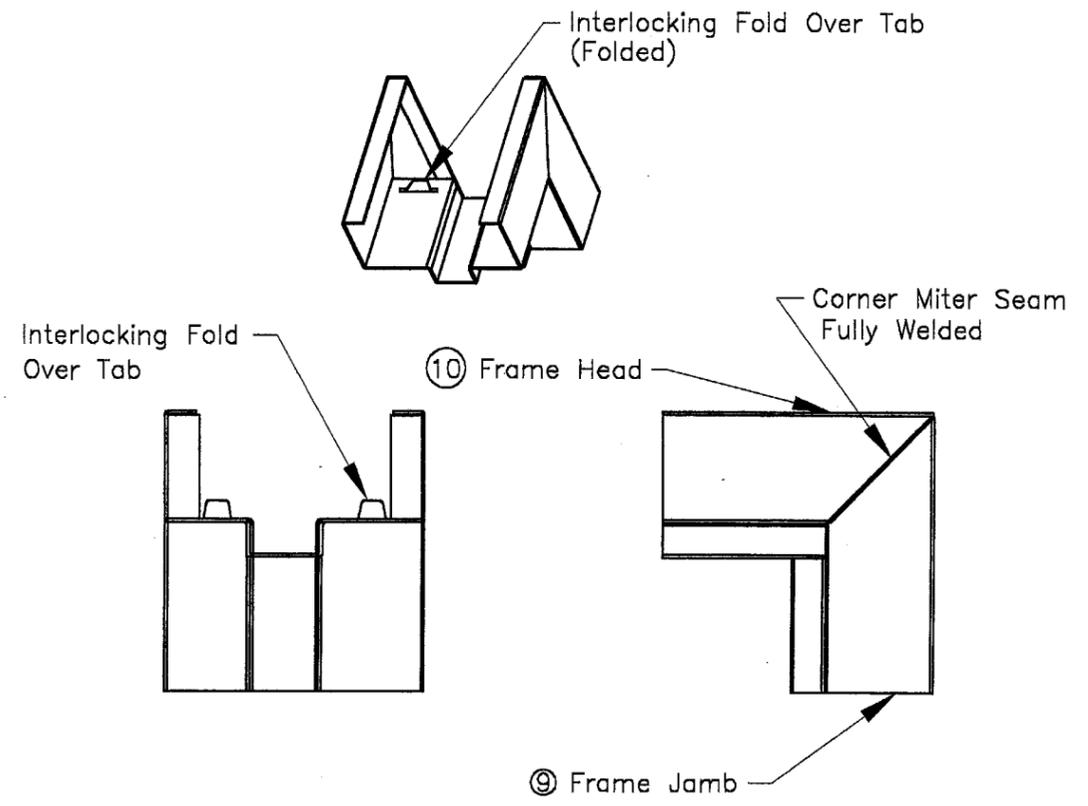
Frame Anchor Installation Details For
4070 Series Imperial Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE		REVISIONS	
DRAWN BY:		DATE:	10-6-03
DRAWING NUMBER:		RD0849	
		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

Approved as complying with the Florida Building Code
 Date 08/05/04
 NOA# 02-2611-04
 Miami Dade Product Control Division
 By: *[Signature]*

MIAMI-DADE COUNTY

[Signature]
 JUN 03 2004
 WALTER A. TILLIT Jr., P. E.
 P.E. SEAL/SIGNATURE/DATE

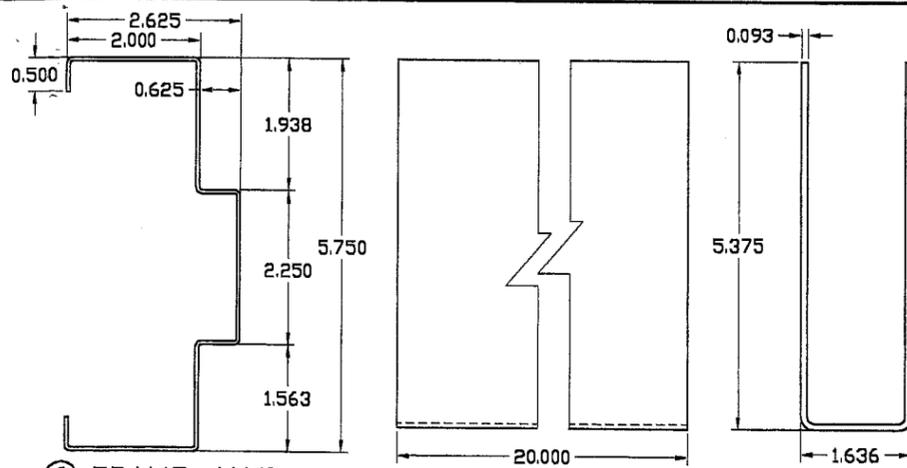
TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166
 Phone: (305)871-1530 Fax: (305)871-1531
 EB-0006719
 WALTER A. TILLIT Jr., P. E.
 FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:

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

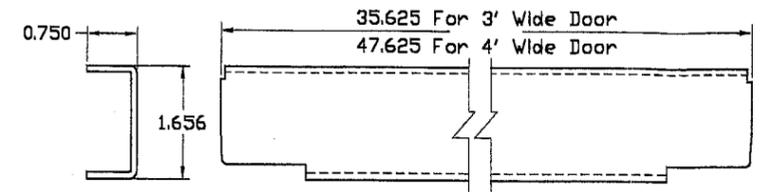
CECO DOOR PRODUCTS
 Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY:	DATE: 10-6-03
DRAWING NUMBER: RD0849	
Sheet 6 Of 16	

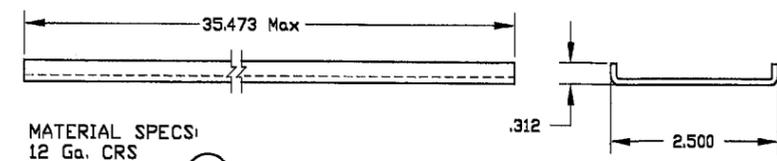


MATERIAL SPECIFICATIONS:
16 GA (.053)

MATERIAL SPECIFICATIONS:
14 GA (.067)



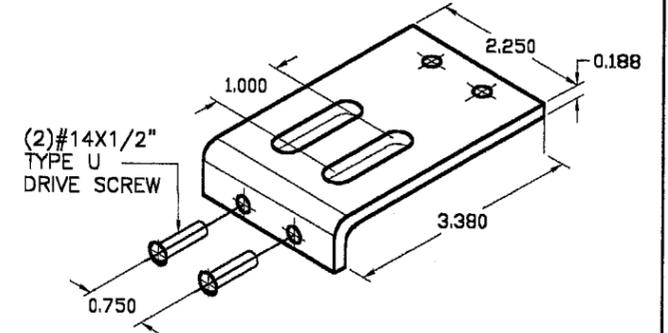
MATERIAL SPECIFICATIONS:
12 Ga (.093" min) CS Type B CRS



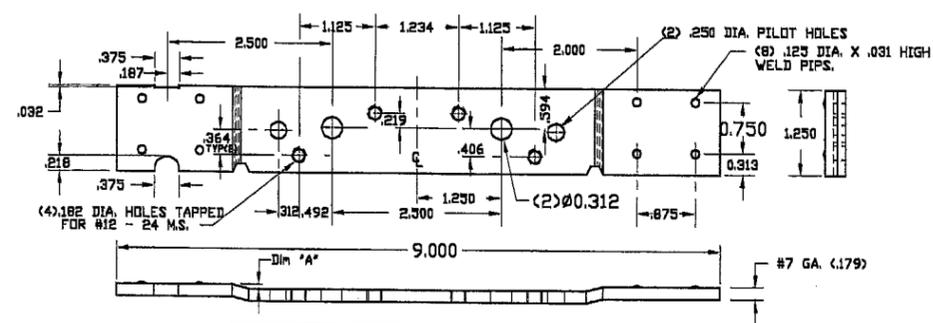
MATERIAL SPECS:
12 Ga. CRS

24 DOOR EDGE REINFORCEMENT

MATERIAL SPECIFICATIONS:
12 Ga. CRS

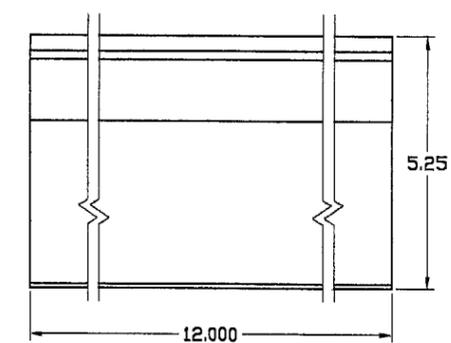


STEEL ASTM C1010
Yale Security Inc.
Dwg # 60-7000-1418

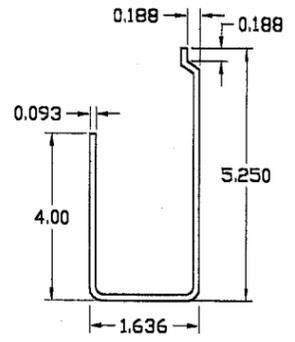


PART NO.	DIM "A"	ID STAMP
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6100646	.060	646
6100662	.115	NONE

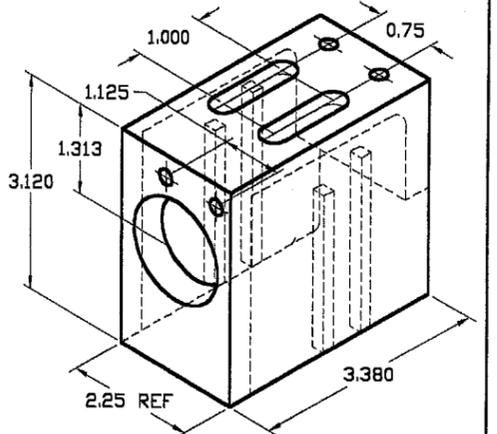
MATERIAL SPECIFICATIONS:
7 GA. (.179, +.003, -.005)



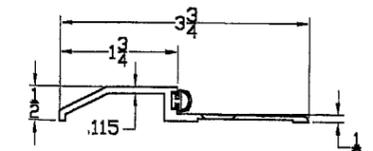
MATERIAL SPECIFICATIONS:
12 GA (.095)



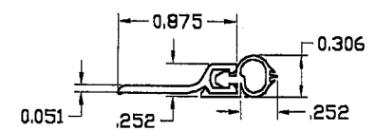
ASTM A-500, GRADE B
Yale Security Inc.
Dwg # 60-1500-1265



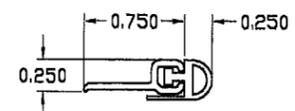
STEEL ASTM C1010
Yale Security Inc.
Dwg # 60-7000-1412



MATERIAL SPECIFICATIONS:
ALUMINUM 6063 T5

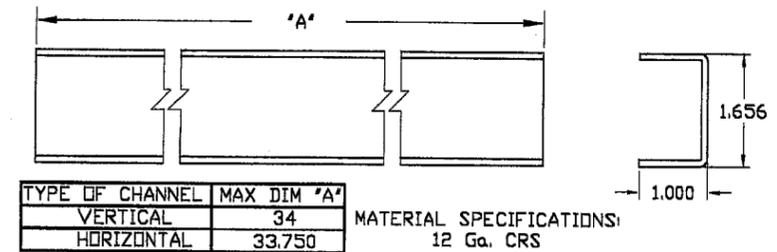


MATERIAL SPECIFICATIONS:
MILL FINISH ALUM. RETAINER
(6063-T5 ALLOY) W/SILICONE SEAL

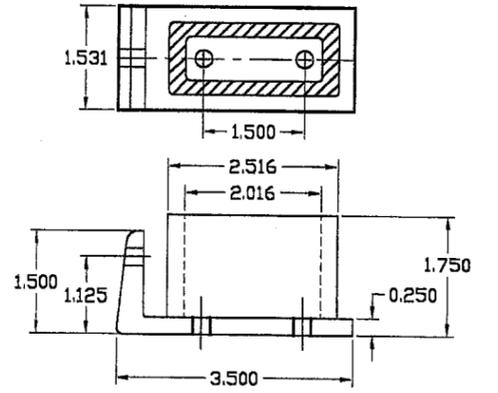


ALUMINUM 6063 T5

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



MATERIAL SPECIFICATIONS:
12 Ga. CRS



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

Approved as complying with the
Florida Building Code
Date: 08/05/04
NOA# 04-0611.04
Miami Dade Product Control
Division
By: [Signature]

COMPONENTS

MIAMI-DADE COUNTY

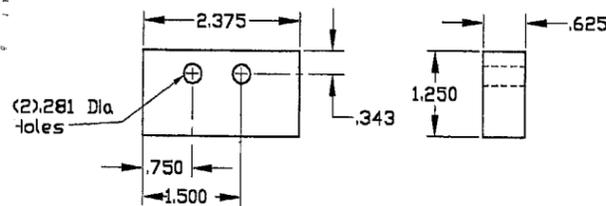
WALTER A. TILLIT JR., P. E.
P.E. SEAL/SIGNATURE/DATE
JUN 03 2004

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8695 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33186
Phone: (305)871-1530 Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT JR., P. E.
FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:

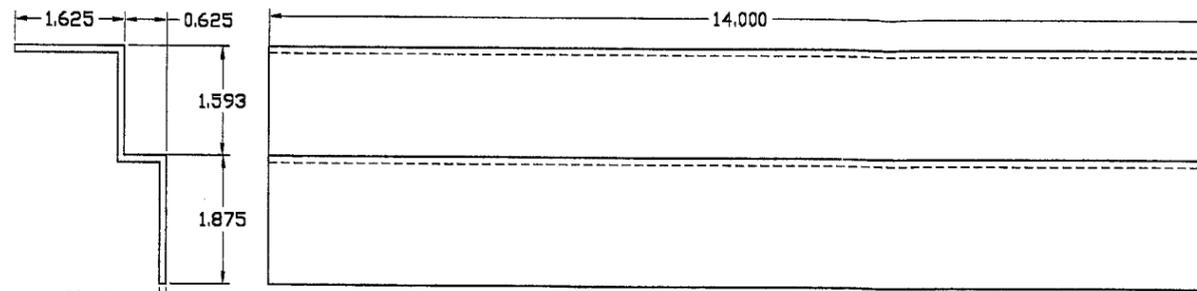
8070, 4070 & 3070 Series
Imperial Doors
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY:	DATE: 10-6-03
DRAWING NUMBER: RD0849 Sheet 7 Of 16	

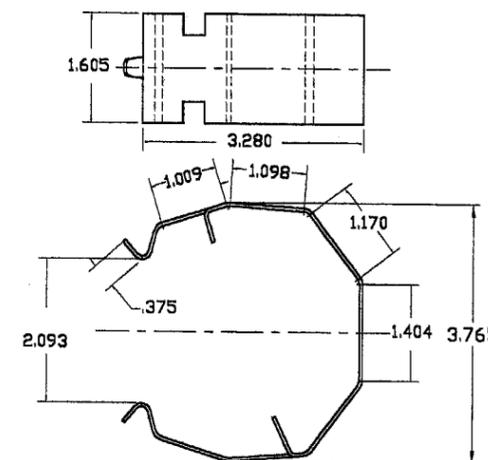


26 MULLION SPACER BLOCK

MATERIAL SPECIFICATIONS:
CRS

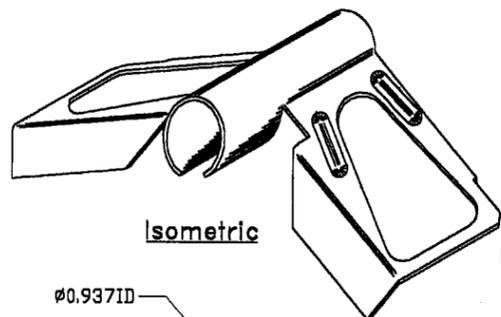


27 FRAME HEAD BRACKET REINFORCEMENT (AT MULLION)

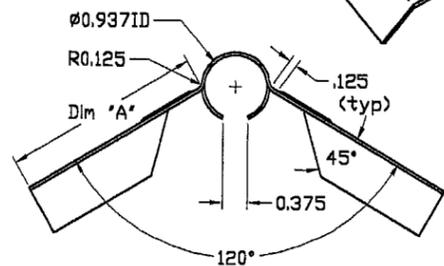


32 CYLINDRICAL LOCK GUARD (LG-24)

MATERIAL SPECIFICATIONS:
18 GA. CR (.042)



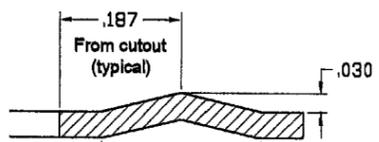
Isometric



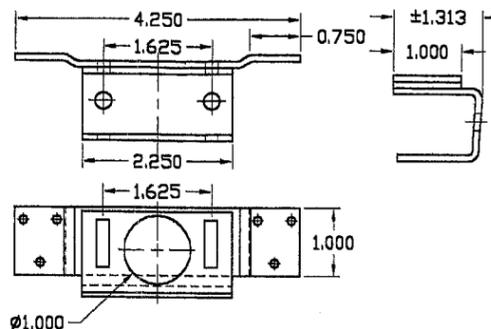
28 & 28A EXISTING OPENING ANCHORS

Material Specifications:
18 ga. galv.

Dim "A"	Dim "B"
3.000	.187

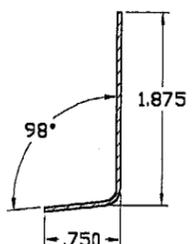
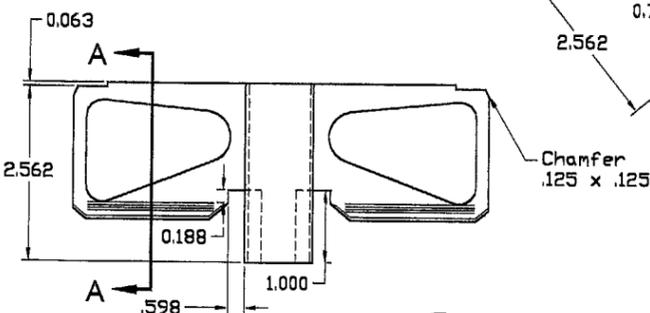


Section "B-B"

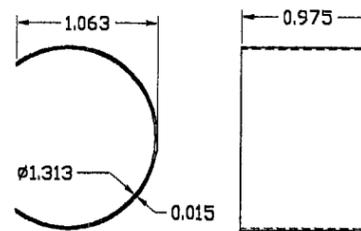


33 CYLINDRICAL LOCK REINFORCEMENT

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

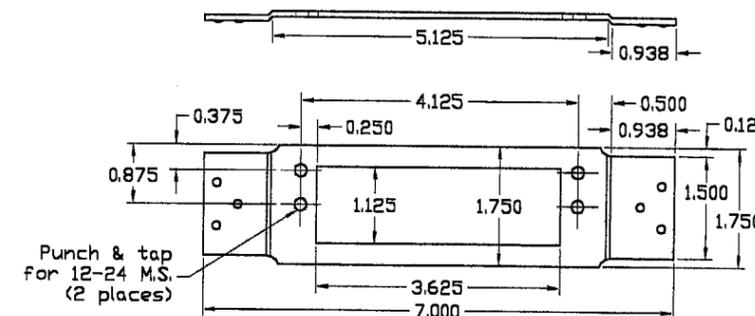


Section "A-A"



34 DOOR LATCH REINFORCEMENT "C" RING

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



35 FRAME STRIKE REINFORCEMENT (LSRA)

MATERIAL SPECIFICATIONS:
12 GA. .093 MIN

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

COMPONENTS

Approved as complying with the
Florida Building Code
Date 06/05/04
NOA# 04-0611.04
Miami, Dade Product Control
Division
By Michael J. [Signature]

MIAMI-DADE COUNTY

[Signature]
JUN 03 2004
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6090 N.W. 36th St., Ste. 217, 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:

8070, 4070 & 3070 Series
Imperial Doors

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY:	DATE: 10-6-03
DRAWING NUMBER: RD0849 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
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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/ 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 Ceco 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 Ceco Door Products, Die # 4-732	1 1/4" x 9" x 7 GA.																								
⑲	6	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.																								
⑳	4	Door Lock Reinforcement Conforming to ASTM A1008 and ASTM A568	Steel by Ceco Door Products, Die # 4-941	5 1/4" x 1.636" x 12" x 12 Ga. (0.093" Min.)																								
㉑	2	Pernko 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.																								
㉒	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.																								
㉓	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.)																								
㉔	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.)																								
㉕	1	Mullion Spacer Block at Top	Yale Security, Inc. Drawn Steel Aluminum Painted	0.625" x 1.250" x 2.375"																								
㉖	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.)																								
㉗	Req'd	Existing Opening Anchor w/ 3/8"Ø x 5" F.H. Lok Bolt, by Power Fasteners Inc.	Galvanized Steel by Ceco Door Products, Die # 4-622	18 gage Thick																								
㉘	Req'd	Existing Opening Anchor with 3/8"Ø x 6" Wood Lag Screw	Galvanized Steel by Ceco Door Products, Die # 4-622	18 gage Thick																								
㉙	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.																								
㉚	1	Top Mullion Fitting	8620 Steel as per Yale Security, Inc. Series 7000 DWG# 60-7000-1412	3.38"x3.12"x2.25" W/ (4) 1/4"-20x1 1/4" M.S.																								
㉛	1	Mullion Foot Bracket	STEEL AISI 6150 OR 4140 AS PER YALE SECURITY INC. DWG# 60-2000-1164	3.5" x 1 17/32" x 1.75" x 0.25" Thick.																								
㉜	Req'd	Glazing Stop at Vision Light Sealant	Dow Corning 995 Structural Silicone																									
㉝	1	Bracket Mounting at Top of Mullion Fitting	ASTM C1010 as per Yale Security, Inc. Series 7000 DWG# 60-7000-1418	1/2" x 3.38" x 2.25" x 0.188" Thick.																								

MIAMI-DADE COUNTY

Walter A. Tillit Jr.
JUN 03 2004
 WALTER A. TILLIT JR., P. E.
 P.E. SEAL/SIGNATURE/DATE

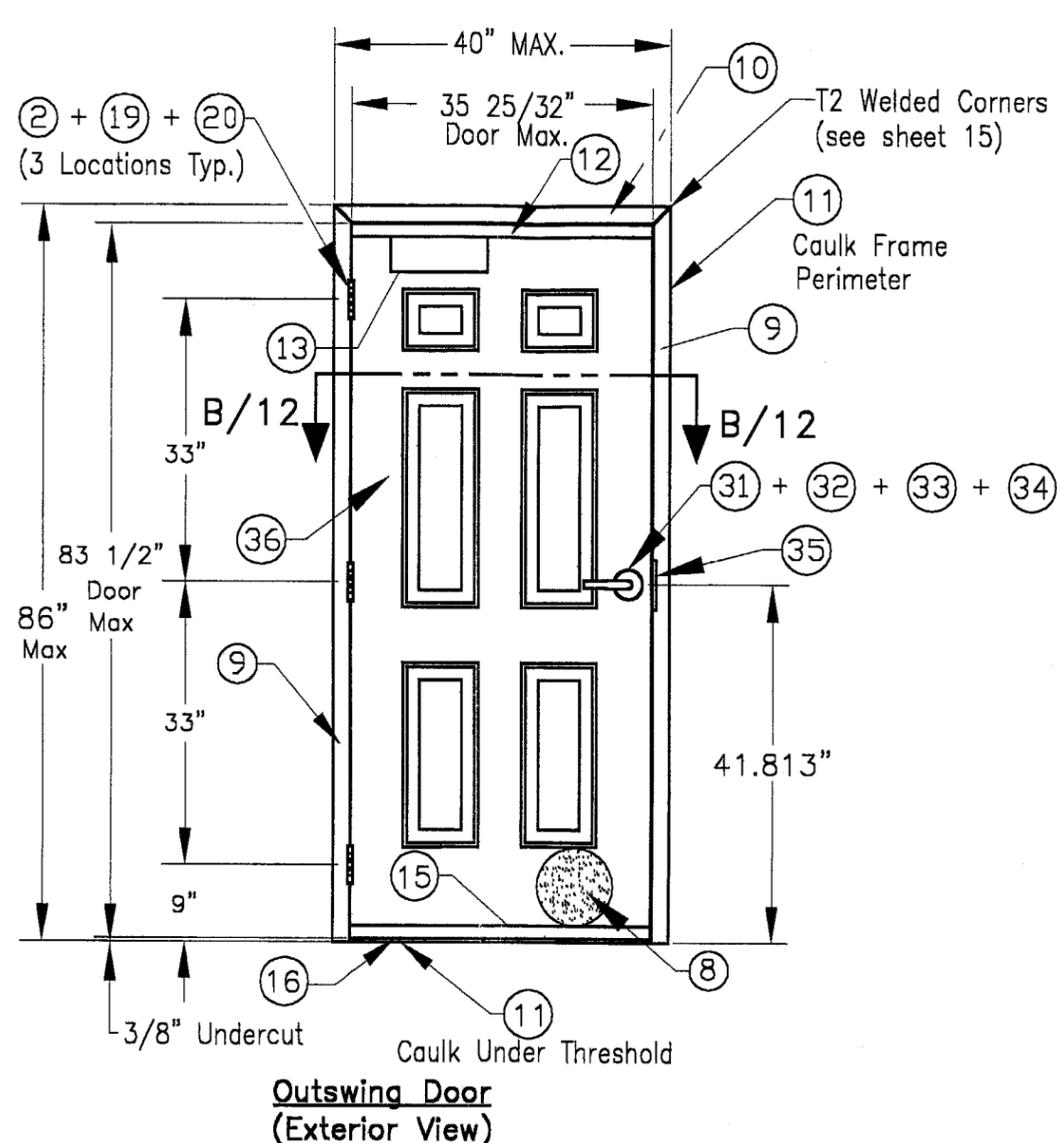
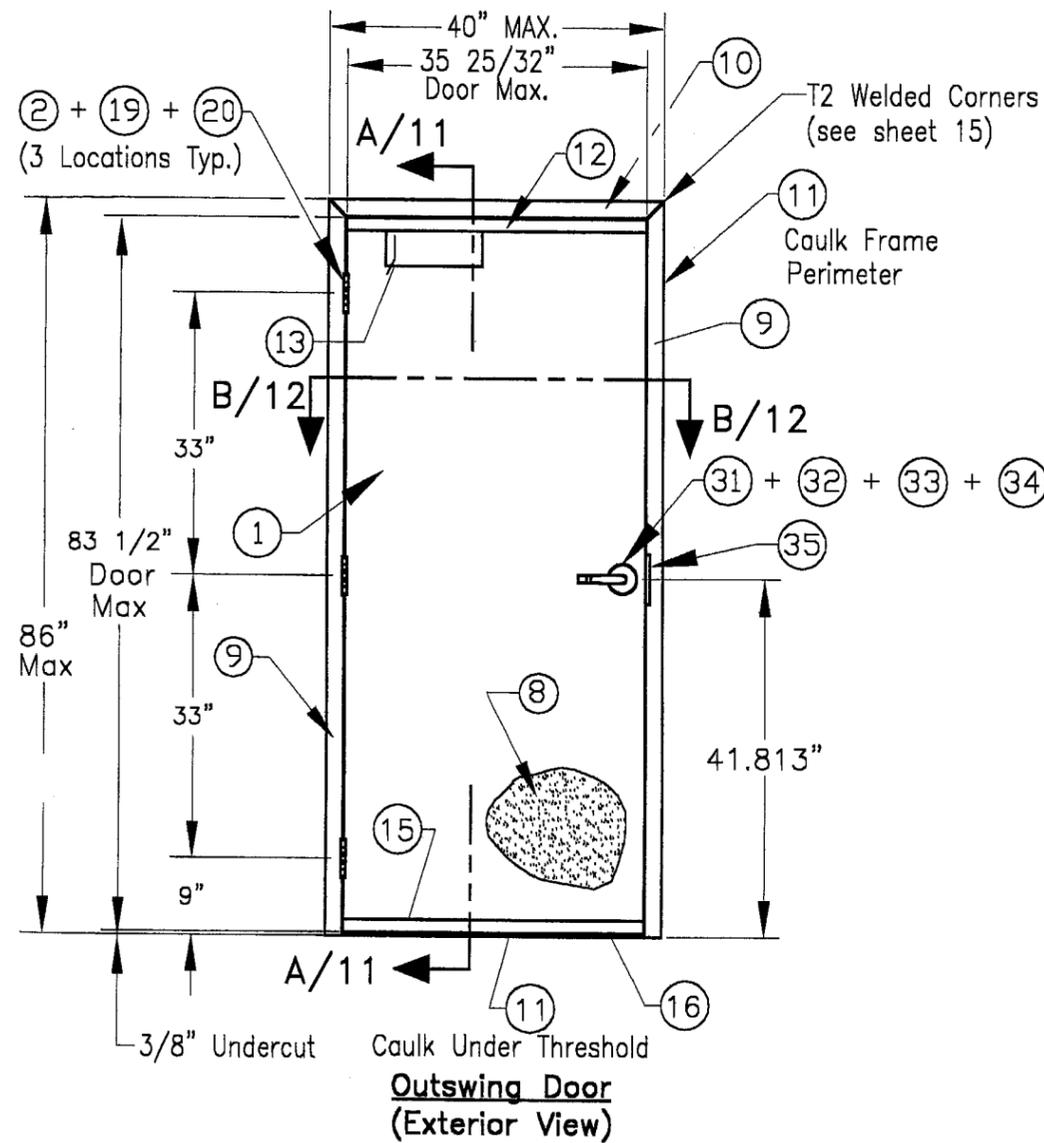
TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6590 N.W. 35th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166
 Phone: (305)971-1530 Fax: (305)971-1531
 EB-0006719
 WALTER A. TILLIT JR., P. E.
 FLORIDA Lic. # 44167

MATERIAL SPECIFICATIONS:
 Approved as complying with the
 Florida Building Code
 Date 08/05/04
 NOA# 03-0611-04
 Miami Dade Product Control
 Division
 By *[Signature]*

8070 & 4070 Series
Bill Of Materials

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY:	DATE: 10-6-03
DRAWING NUMBER: RD0849	
Sheet 9 Of 16	



General Notes:

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 2001 edition of the Florida Building Code. Door may be installed at High Velocity Hurricane Zones. Design wind loads shall be determined as per section 1619 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. This Door's adequacy for impact and cyclic resistance has been verified in accordance with section 1606.1.4 of the above mentioned code as per TAS-201, TAS-202, TAS-203, as per HTL lab report #0345-0203-04 and as per submitted structural calculations, performed as per section 1611 of the Florida Building Code.

- 2. Design Pressure: +70 psf, -70 psf
- 3. Minimum Frame Depth: 5 3/4"
- 4. See Sheet 7, 8 & 16 for Component Nomenclature
- 5. See Sheet 13 for Anchor Detail and Location
- 6. All Dimensions are in inches
- 7. This Door DOES NOT require Hurricane Protection System
- 8. This Door IS NOT Approved for Water Infiltration
- 9. (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) This P.A.D. shall bear the date and original seal and signature of the professional engineer of record that prepared it.

10. 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.

Approved as complying with the Florida Building Code
 Date 08/05/04
 NOA# 04-0611-04
 Miami Dade Product Control Division
 By *Michael J. Books*

MIAMI-DADE COUNTY


 JUN 03 2004
 WALTER A. TILLIT JR., P. E.
 P.E. SEAL/SIGNATURE/DATE

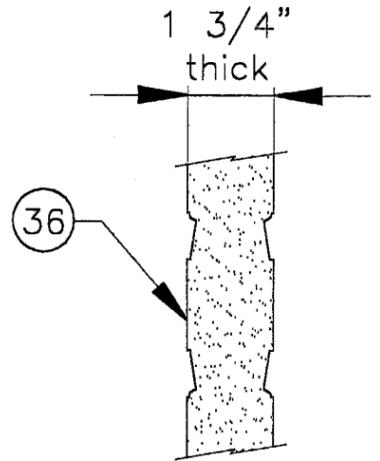
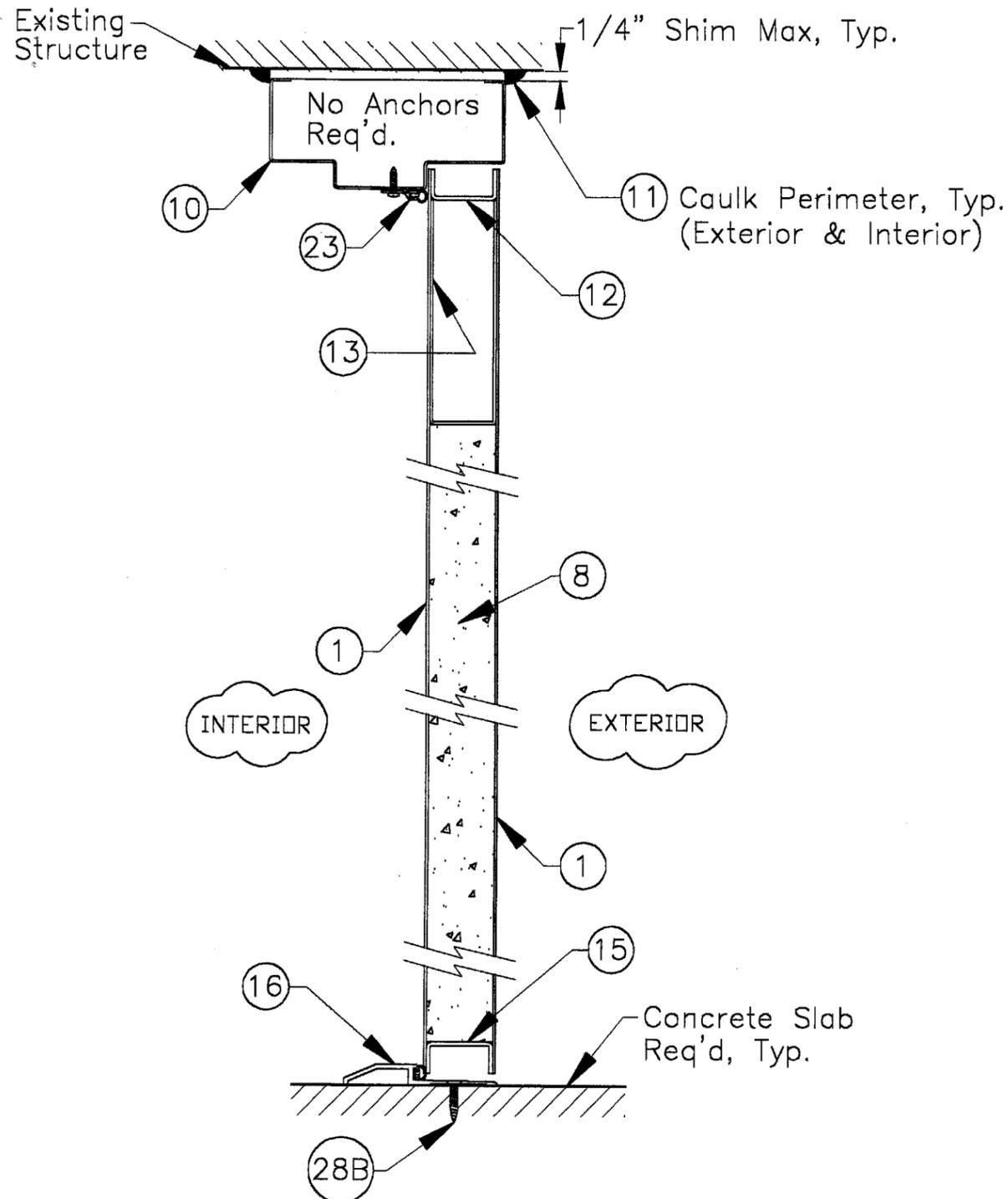

 TILLIT TESTING & ENGINEERING COMPANY
 8595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166
 Phone: (305)871-1530, Fax: (305)871-1531
 EB-0006719
 WALTER A. TILLIT JR., P. E.
 FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:
 Finish: Rust Inhibitive
 Primer, One Coat

3070 Series Elevation Drawing
Flush & Embossed Imperial Doors

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

ISSUE REVISIONS	
DRAWN BY:	DATE: 10-6-03
DRAWING NUMBER: RD0849 Sheet 10 Of 16	



Embossed Skins
Optional

See Sheets 7, 8 & 16
for Components Nomenclature

(See Sheet 13 for Spacings)

Section A-A

Approved as complying with the
Florida Building Code
Date 08/05/04
NOA# 04-0611.04
Miami Dade Product Control
Division
By *[Signature]*

MIAMI-DADE COUNTY

[Signature]
JUN 03 2004
WALTER A. TILLIT Jr., P. E.
P.E. SEAL/SIGNATURE/DATE

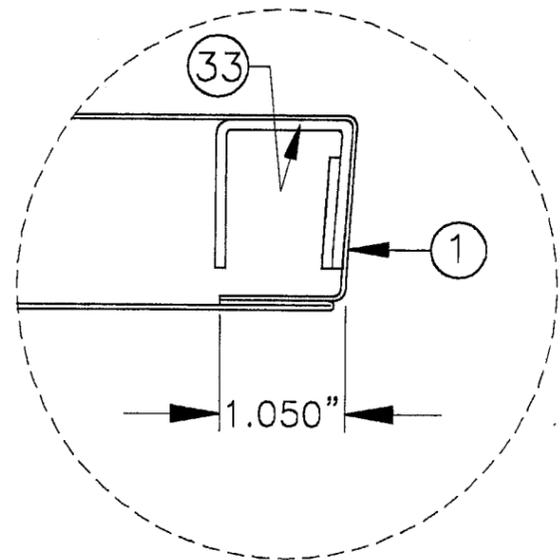
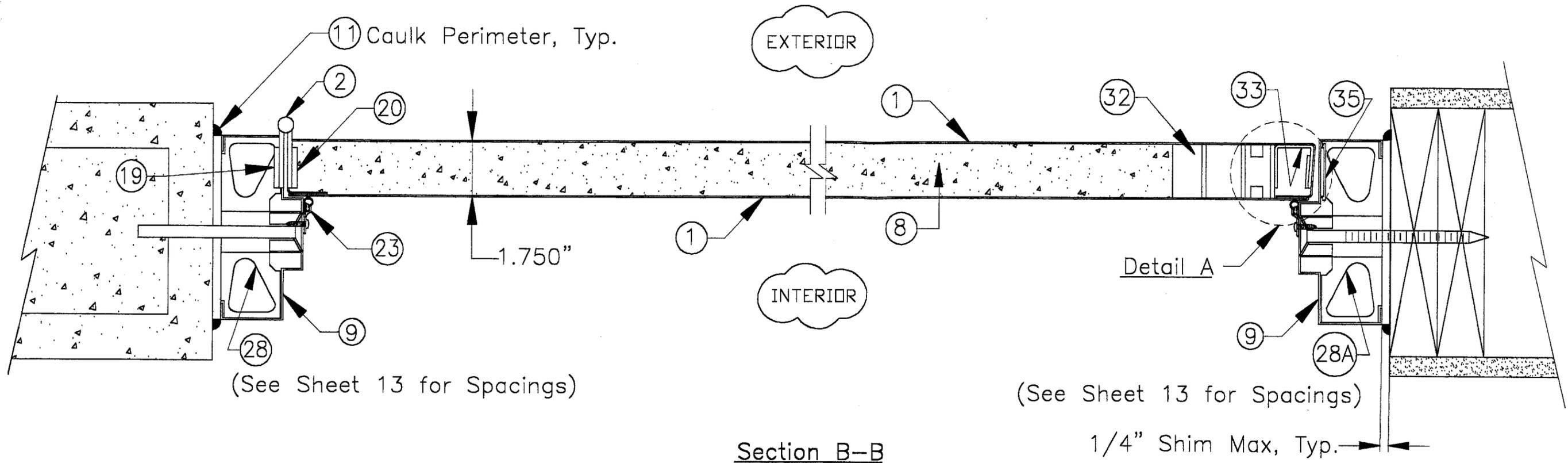
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 • Fax: (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44187

MATERIAL SPECIFICATIONS:

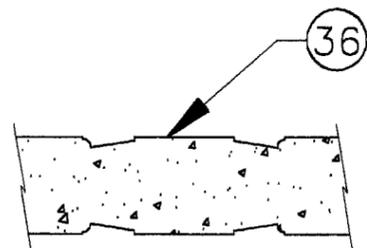
Vertical Cross Section
3070 Imperial Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE		REVISIONS	
DRAWN BY:		DATE:	10-6-03
DRAWING NUMBER:		RD0849	
		Sheet 11 Of 16	



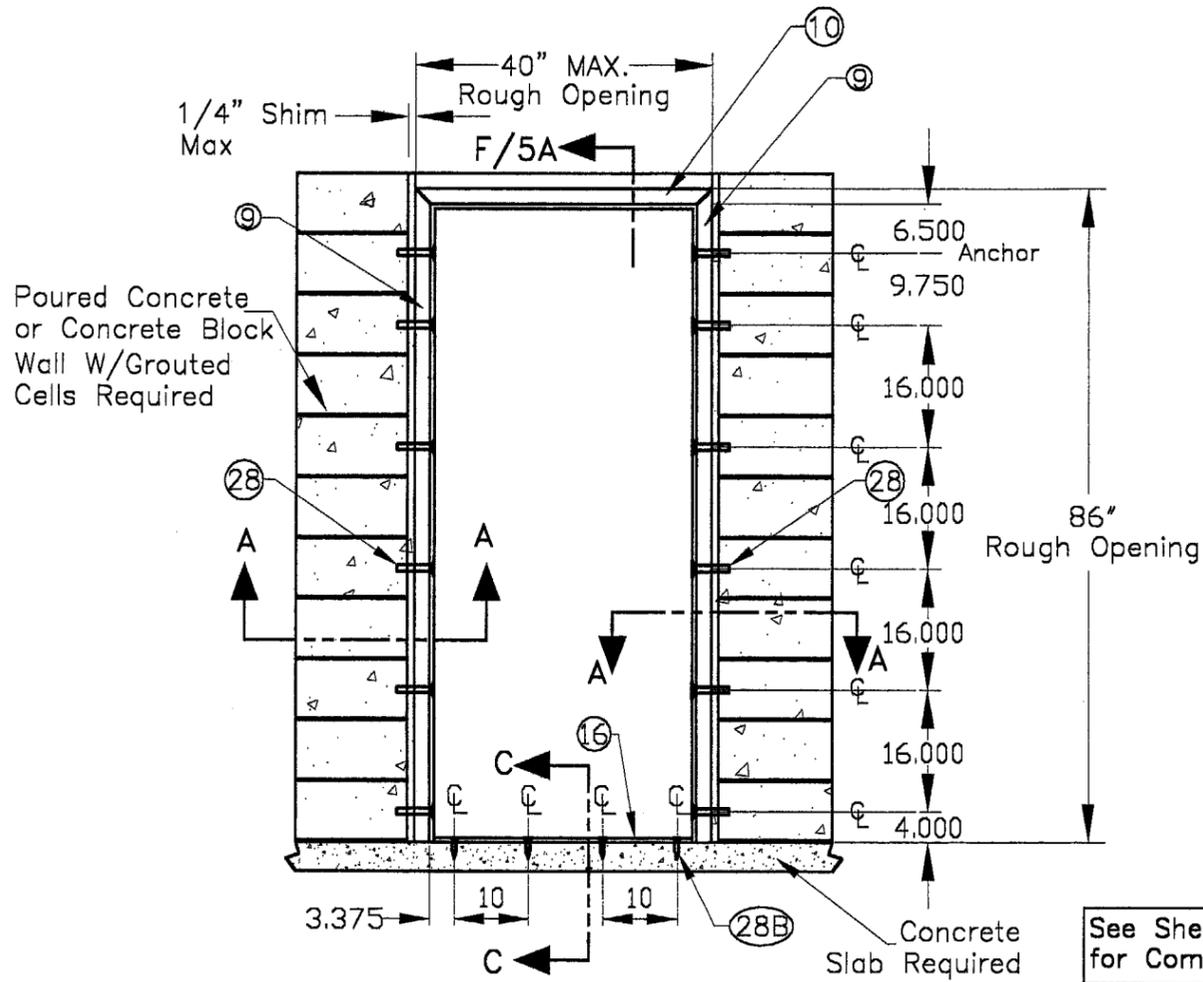
Detail A



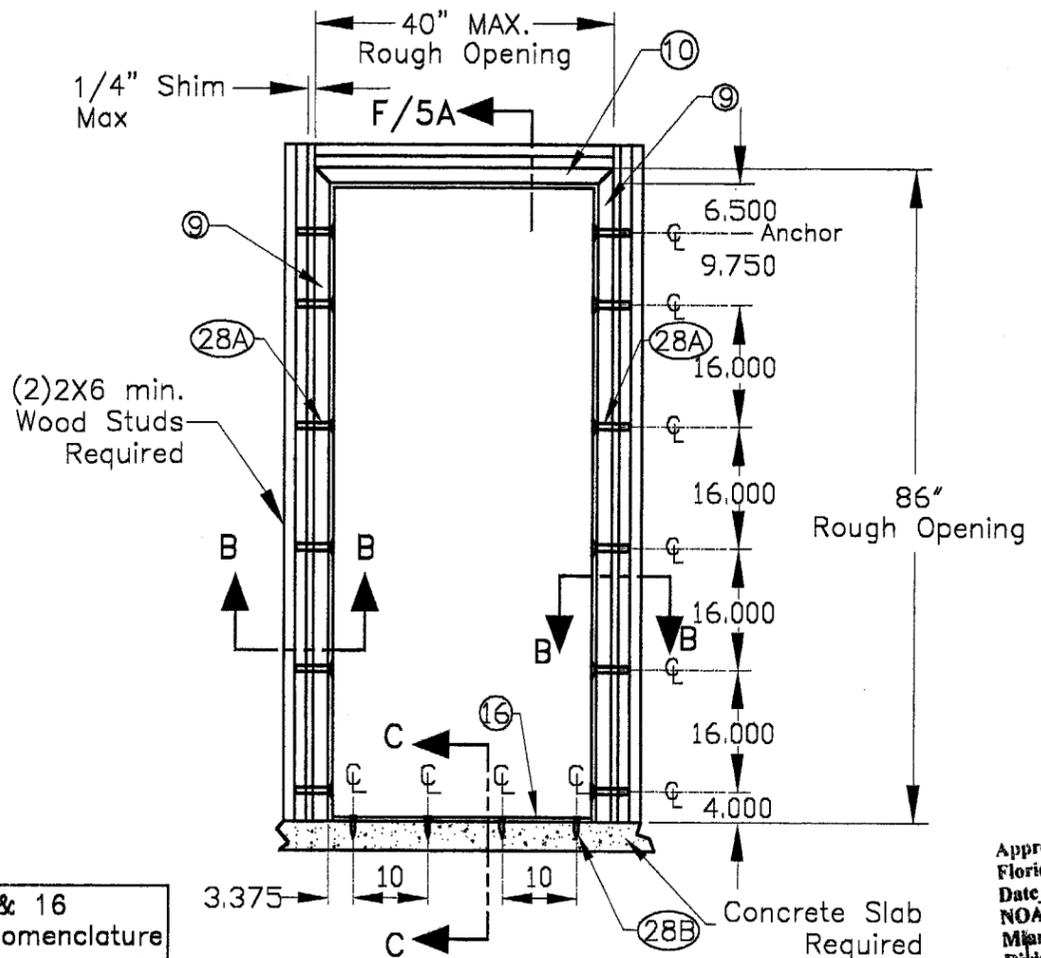
Embossed Skins
Optional

See Sheets 7, 8 & 16
for Components Nomenclature

Approved as complying with the
Florida Building Code
Date: 08/05/04
NOA# 04-0611.04
Miami Code Product Control
Division
By: *Walter A. Tillit Jr.*



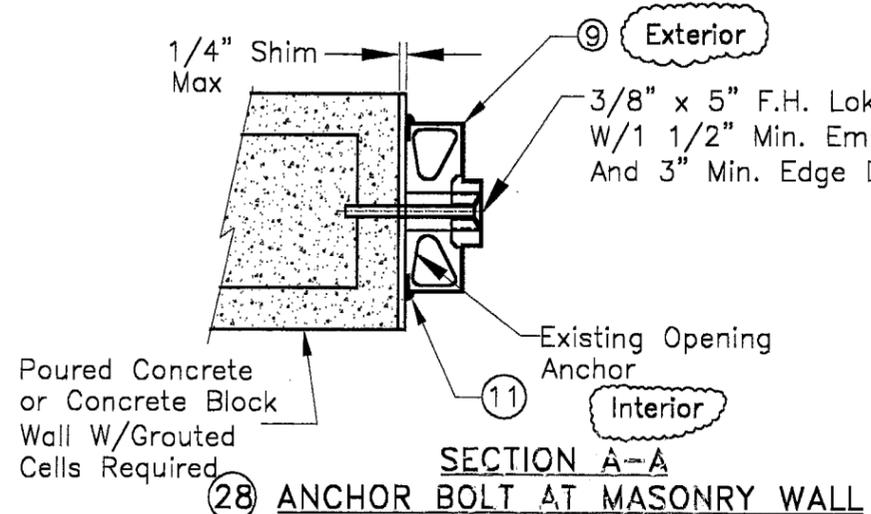
ANCHORS AT CONCRETE BLOCK WALL
3-0 x 7-0 DOOR SIZE



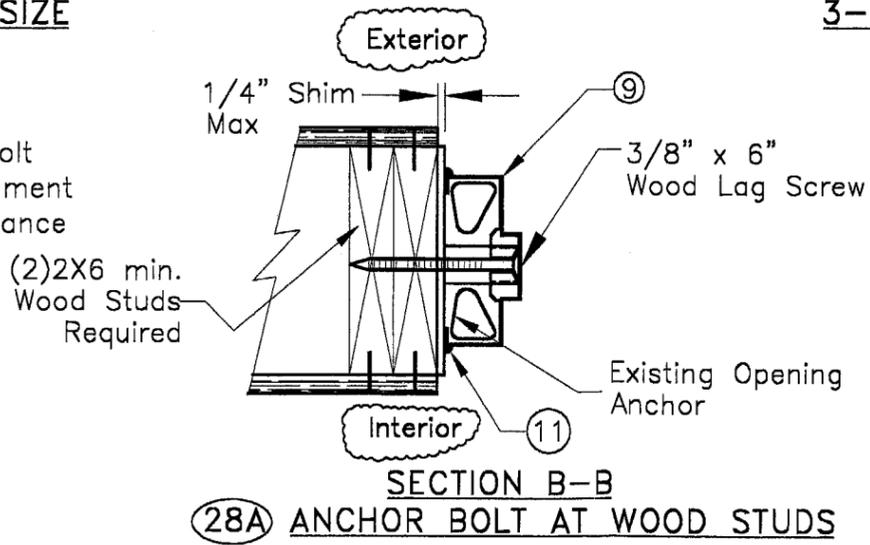
ANCHORS AT WOOD STUDS
3-0 x 7-0 DOOR SIZE

See Sheets 7, 8 & 16
for Components Nomenclature

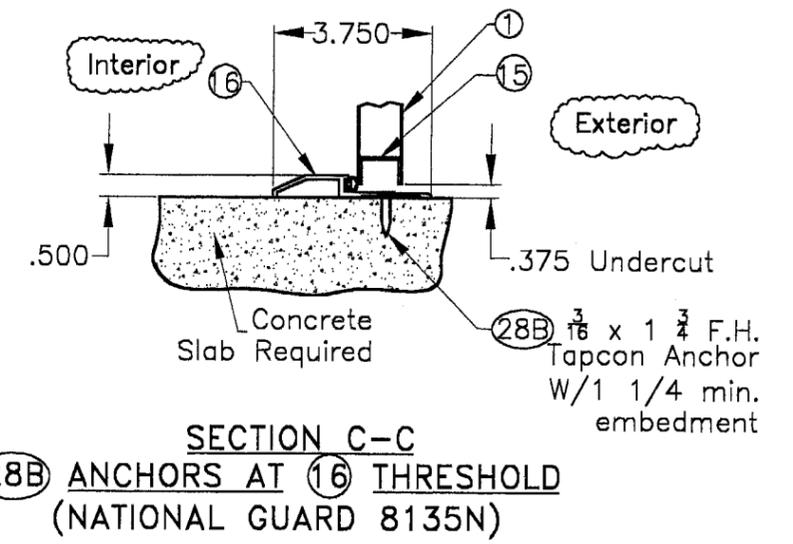
Approved as complying with the
Florida Building Code
Date 08/05/04
NOA# 04-061104
Miami Dade Product Control
Division
By: *[Signature]*



SECTION A-A
ANCHOR BOLT AT MASONRY WALL

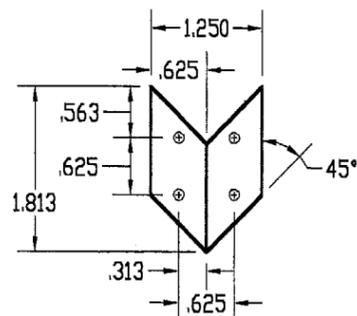
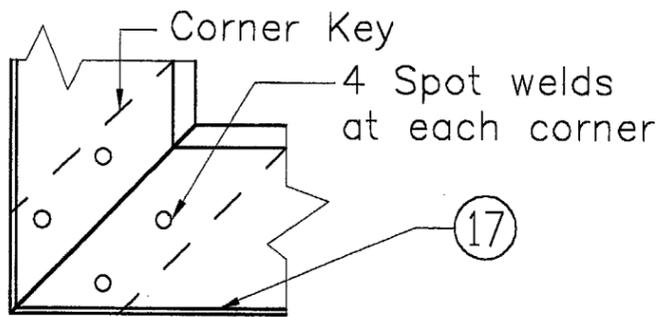


SECTION B-B
ANCHOR BOLT AT WOOD STUDS



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

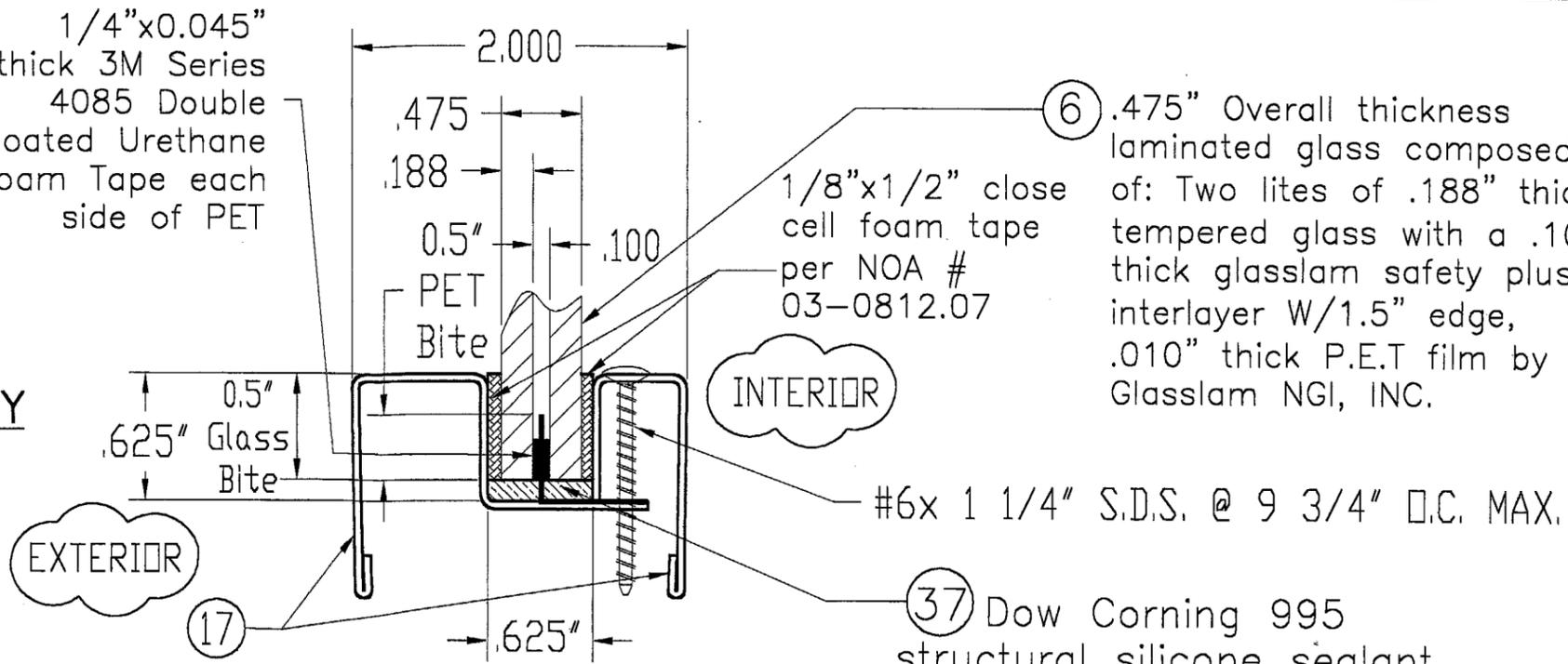
MIAMI-DADE COUNTY WALTER A. TILLIT, P. E. P.E. SEAL/SIGNATURE/DATE 08/05/04	 TILLIT TESTING & ENGINEERING COMPANY 8565 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33186 Phone: (305)871-1830 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT, P. E. FLORIDA Lic. # 44167	MATERIAL SPECIFICATIONS:	Frame Anchor Installation Details, 3070 Imperial Doors		ISSUE REVISIONS
			 Milan, Tennessee 38358		DRAWN BY: DATE: 10-6-03
DRAWING NUMBER:				RD0849 Sheet 13 Of 16	



VISION LIGHT
CORNER WELD DETAIL

18 GAGE CORNER KEY
FOR VISION LIGHT

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



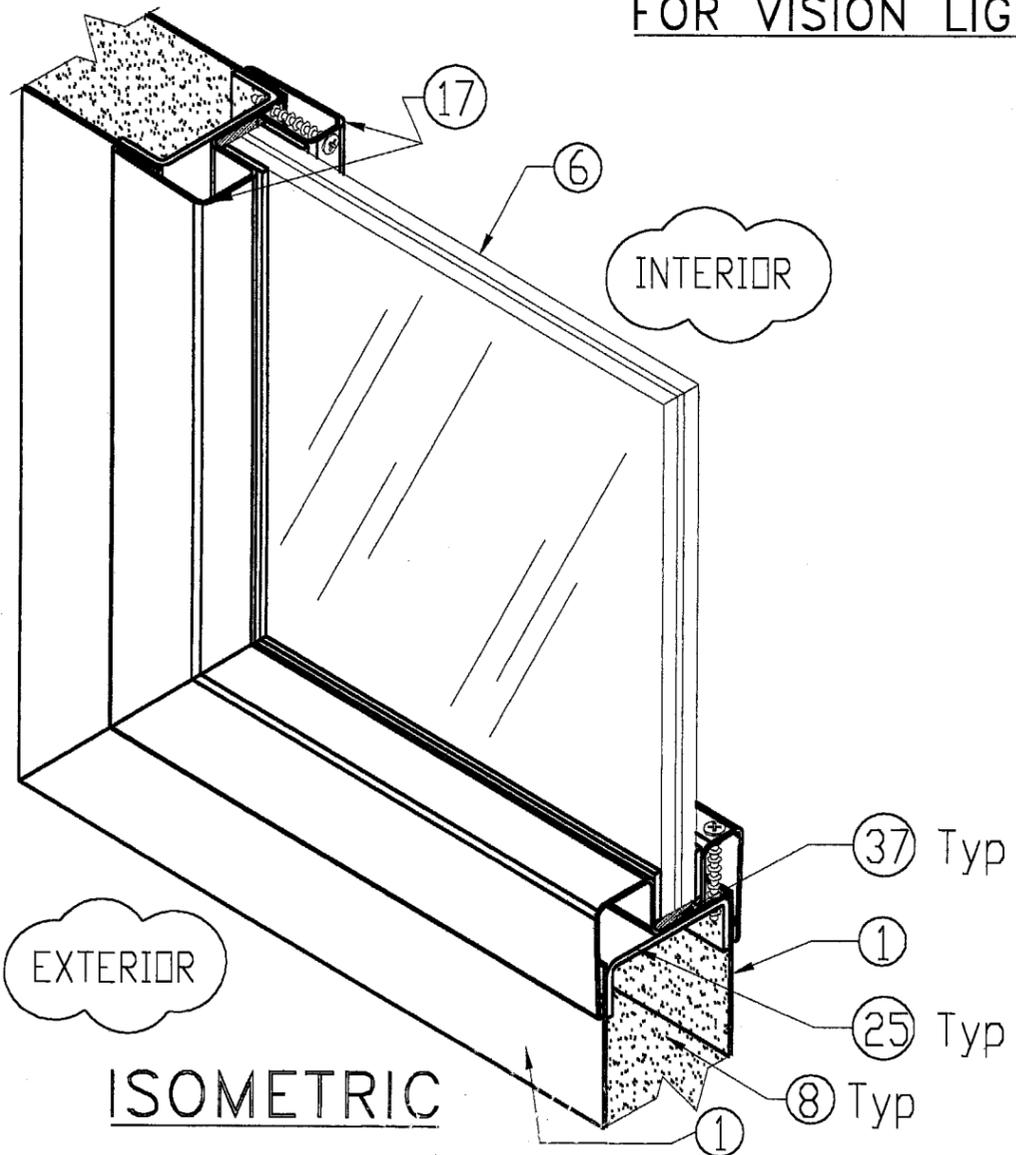
GLAZING DETAIL

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.

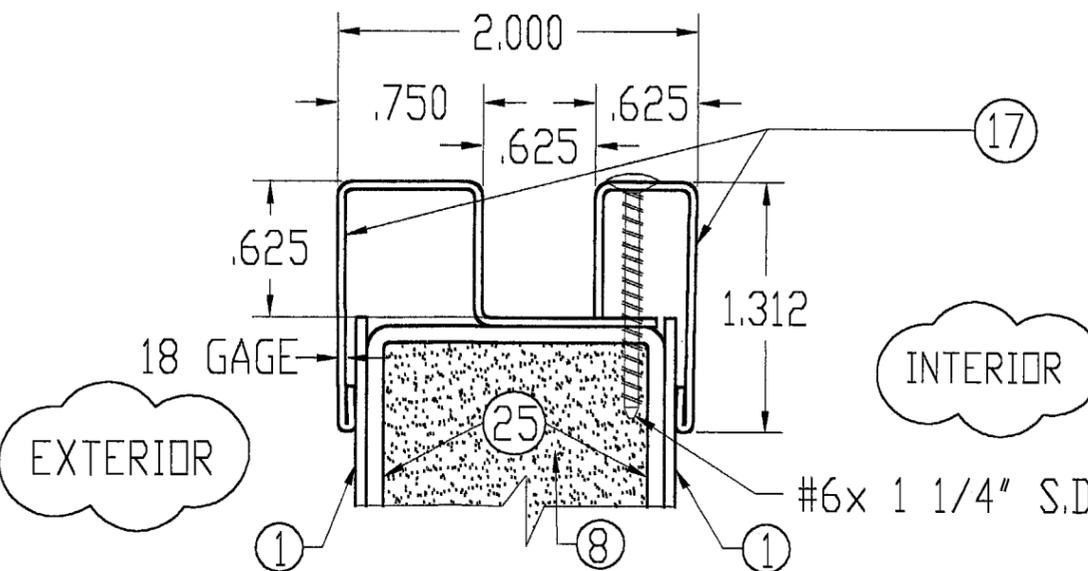
1/8"x1/2" close cell foam tape per NOA # 03-0812.07

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

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



ISOMETRIC

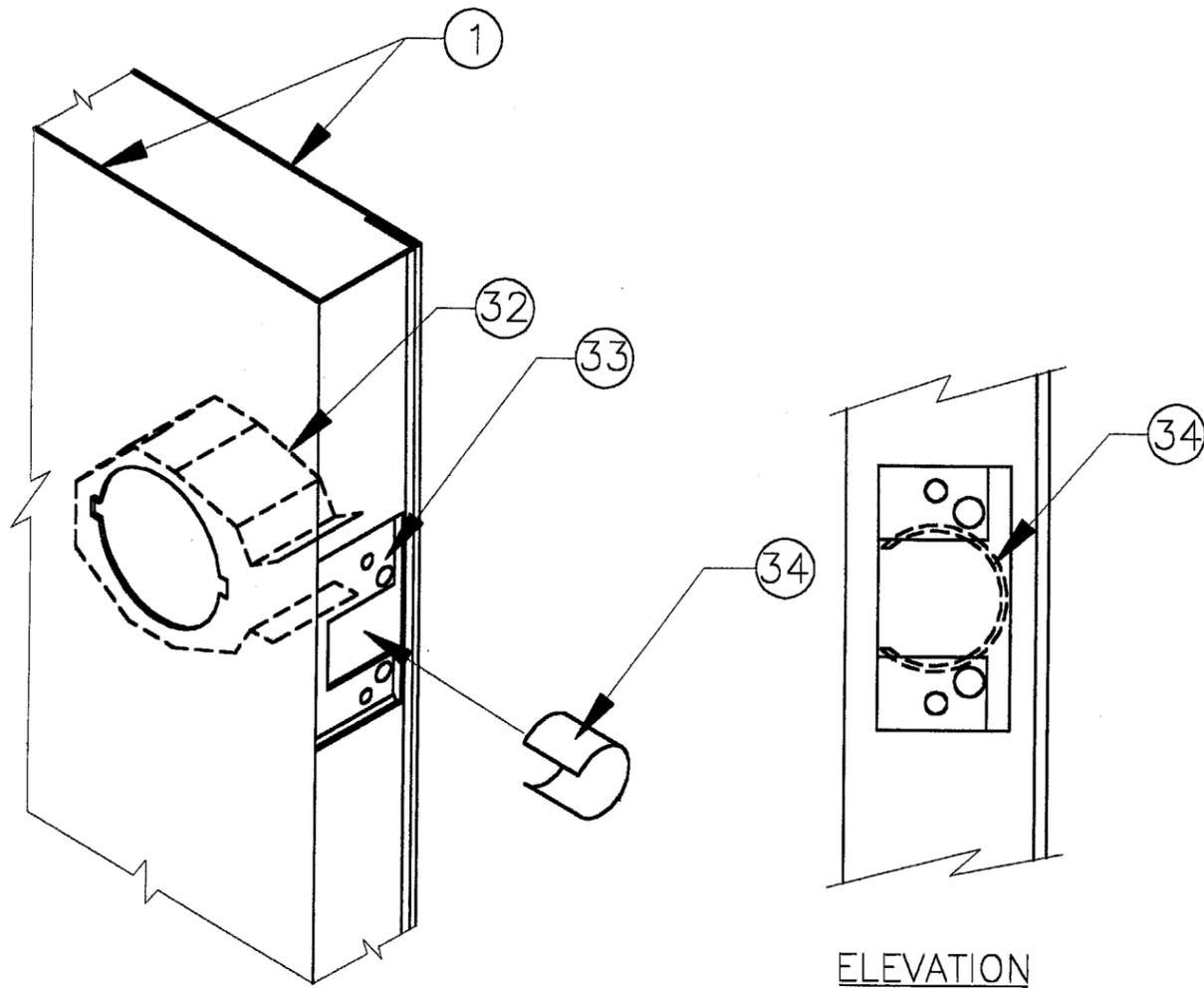


VISION LIGHT FRAME DETAIL

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

Approved as complying with the Florida Building Code
Date 08/05/04
NOA# 04-0611.04
Miami-Dade Product Control Division
By *[Signature]*

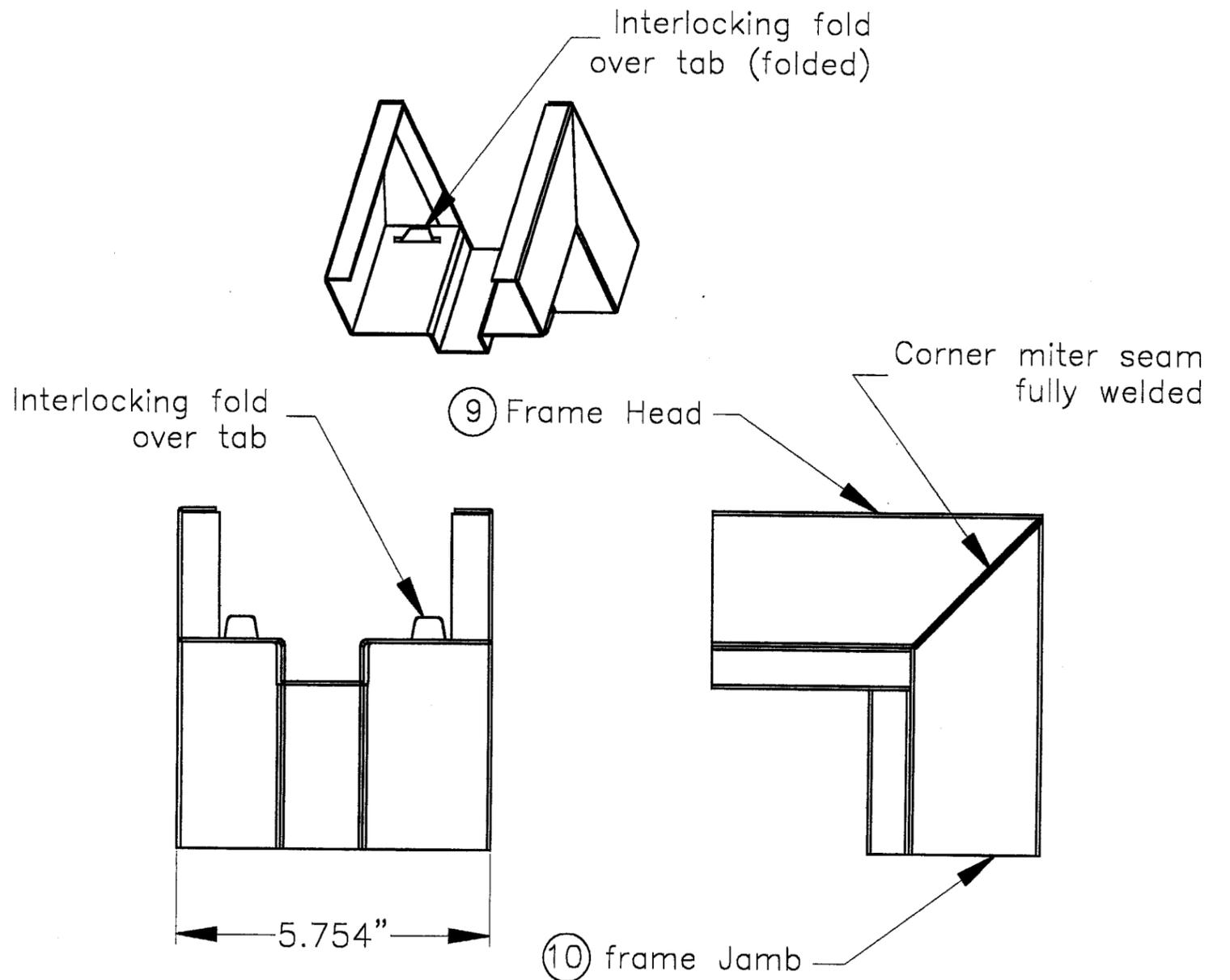
MIAMI-DADE COUNTY JUN 03 2004 WALTER A. TILLIT Jr., P. E. P.E. SEAL/SIGNATURE/DATE	 TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167	MATERIAL SPECIFICATIONS: 8070 & 4070 Series Doors Vision Light Kit Details Milan, Tennessee 38358	ISSUE REVISIONS	
			DRAWN BY:	DATE: 10-6-03
			DRAWING NUMBER: RD0849 Sheet 14 Of 16	



ISOMETRIC

ELEVATION

CYLINDRICAL LOCK DETAILS



FRAME CORNER CONDITION

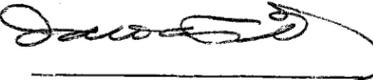
Approved as complying with the
 Florida Building Code
 Date 08/05/04
 NOA# 04-061104
 Miami-Dade Product Control
 Division
 By: *[Signature]*

MIAMI-DADE COUNTY	 JUN 03 2004 WALTER A. TILLIT JR., P. E. P.E. SEAL/SIGNATURE/DATE	 TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th St., Ste. 217, 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:	Cylindrical Lock Details And Frame Corner Condition For 3070 Imperial Door	ISSUE REVISIONS DRAWN BY: DATE: 10-6-03
				 CECO DOOR PRODUCTS Milan, Tennessee 38358	DRAWING NUMBER: RD0849 Sheet 15 Of 16

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE																								
①	2 Per	Face Sheet Conforming to ASTM A653 Galvanized CQ at Flush Imperial Doors w/ A-60 Coating.	Commercial Quality Galvanized 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.																								
⑥	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 style="font-size: small; margin-left: 20px;"> <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
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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	1	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	1	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. Cont. (0.093 Min.) Cont.																								
⑬	1	Closer Reinforcement 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/ 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.																								
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.																								
㉔	Req'd	Existing Opening Anchor w/ 3/8"Ø x 5" F.H. Lok Bolt, by Power Fasteners Inc.	Galvanized Steel by Ceco Door Products, Die # 4-622	18 Gage Thick																								
㉔A	Req'd	Existing Opening Anchor w/ 3/8"Ø x 6" Wood Lag Screw	Galvanized Steel by Ceco Door Products, Die # 4-622	18 Gage Thick																								
㉔B	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.																								
⑳	1	Best 93K7D15D-S3-626 Cylindrical Lock	As per Best Access Systems DWG # 04-000-0021b																									
㉑	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.)																								
㉒	1	Cylindrical Lock Reinforcement	Steel, by Ceco Door Products, Die # RD0528	1 1/4" x 4 1/4" x 12 ga. (0.093 min.)																								
㉓	1	Door Latch Reinforcement, Steel "C" Ring w/ Galvanized 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																								
㉔	1	Frame Strike Reinforcement 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.)																								
㉕	2 Per	Face Sheet Conforming to ASTM A653 Galvanized CQ at Embossed Imperial Doors w/ A-60 Coating.	Commercial Quality Galvanized Steel (Minimum Yield Strength of 31,500 psi)	16 Gauge (0.053" Min. Thick)																								

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By: *Walter A. Tillit Jr.*

 JUN 03 2004 WALTER A. TILLIT Jr., P. E. P.E. SEAL/SIGNATURE/DATE	 TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FLORIDA 33166 Phone: (305)871-1630 Fax: (305)871-1531 EB-0008719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167	MATERIAL SPECIFICATIONS:	<h3 style="margin: 0;">3070 Series</h3> <h2 style="margin: 0;">Bill Of Materials</h2>  CECO DOOR PRODUCTS Milan, Tennessee 38358	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ISSUE</td> <td style="width: 50%;">REVISIONS</td> </tr> <tr> <td>DRAWN BY:</td> <td>DATE:</td> </tr> <tr> <td></td> <td style="text-align: center; font-size: large;">10-6-03</td> </tr> <tr> <td colspan="2">DRAWING NUMBER:</td> </tr> <tr> <td colspan="2" style="text-align: center; font-size: large;">RD0849</td> </tr> <tr> <td colspan="2" style="text-align: center;">Sheet 16 Of 16</td> </tr> </table>	ISSUE	REVISIONS	DRAWN BY:	DATE:		10-6-03	DRAWING NUMBER:		RD0849		Sheet 16 Of 16	
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