MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

International Door Inc.
8001 Ronda Drive
Canton, MI 48187

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: IDI Hurricane Four Fold Steel Garage Door up to 16'-0" Wide x 17'-0" High w/ Impact Resistant Windows

APPROVAL DOCUMENT: Drawing No. **13-ID-2140**, titled "Hurricane Four-Fold", sheets 1 through 12 of 12, dated 08/23/2013, prepared by International Door, Inc., signed and sealed by Gordon Thomas, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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 **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

06/08/2015

NOA No 14-1006.07
Expiration Date: June 18, 2020
Approval Date: June 18, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **13-ID-2140**, titled "Hurricane Four-Fold", sheets 1 through 12 of 12, dated 08/23/2013, prepared by International Door, Inc., signed and sealed by Gordon D. Thomas, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   4) Forced Entry Test, per FBC, TAS 202-94

   along with marked-up drawings and installation diagram of 16'-0" x 17'-0", 14ga steel garage door Model MU-1 with impact resistant windows, prepared by American Test Lab of South Florida, Test Report No. **ATLSF 1212.01-14**, dated 03/28/2014, signed and sealed by Stephen W. Warter, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by Gordon D. Thomas, dated 03/30/2015, signed and sealed by Gordon D. Thomas, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

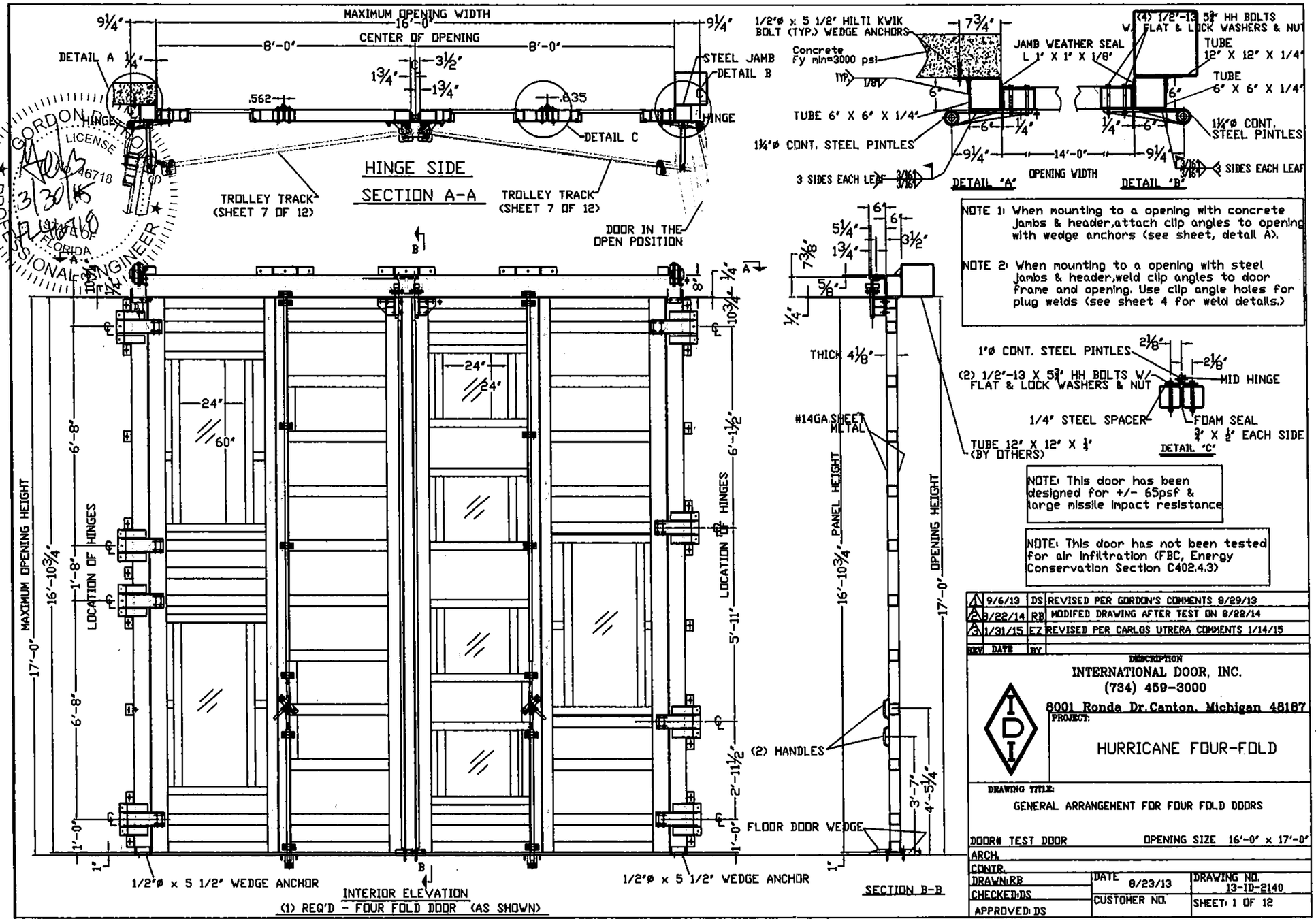
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont De Nemours & Co., Inc. for their DuPont SentryGlas Interlayer, approved on 08/25/2011, expiring on 01/14/2017.
2. Test report on Tensile Strength of 14 gage steel sheet samples per ASTM E8, prepared by QC Metallurgical, Inc., test report # **14CM-284**, dated 04/03/2014, signed by Frank Grate.

F. STATEMENTS

1. Statement letter of code conformance to 2010 and 5th edition (2014) FBC and of no financial interest issued by Gordon D. Thomas, dated 03/30/2015, signed and sealed by Gordon D. Thomas, P.E.

06/08/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 14-1006.07
Expiration Date: June 18, 2020
Approval Date: June 18, 2015



NOTE 1: When mounting to a opening with concrete jambs & header,attach clip angles to opening with wedge anchors (see sheet, detail A).

NOTE 2: When mounting to a opening with steel jambs & header,weld clip angles to door frame and opening. Use clip angle holes for plug welds (see sheet 4 for weld details.)

NOTE: This door has been designed for +/- 65psf & large missile impact resistance

NOTE: This door has not been tested for air infiltration (FBC, Energy Conservation Section C402.4.3)

REV	DATE	BY	DESCRIPTION
1	9/6/13	DS	REVISED PER GORDON'S COMMENTS 8/29/13
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
6001 Ronda Dr.Canton, Michigan 48187

PROJECT:

HURRICANE FOUR-FOLD

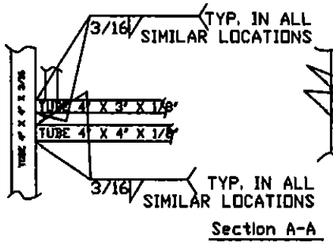
DRAWING TITLE:

GENERAL ARRANGEMENT FOR FOUR FOLD DOORS

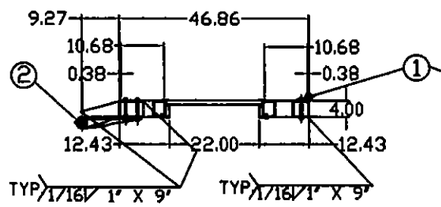
DOOR# TEST DOOR		OPENING SIZE 16'-0" x 17'-0"	
ARCH.			
CONTR.			
DRAWN: RB	DATE 8/23/13	DRAWING NO. 13-ID-2140	
CHECKED: DS	CUSTOMER NO.	SHEET: 1 OF 12	
APPROVED: DS			

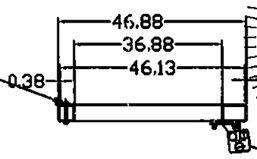
GORDON D. TITO LICENSE 46718 STATE OF FLORIDA PROFESSIONAL ENGINEER 3/30/15

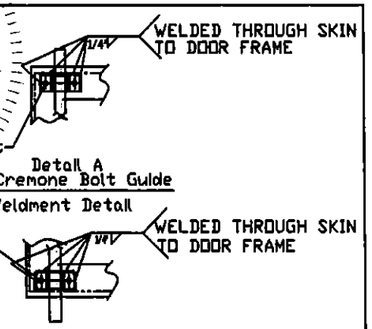
Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 13-1006.07
Miami Dade Product Control
By



Section A-A

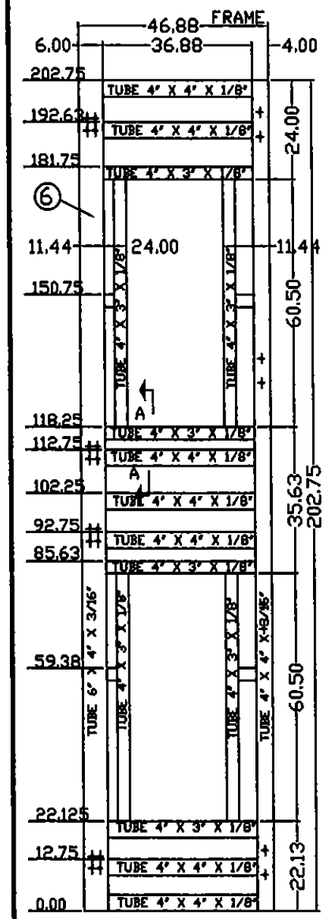




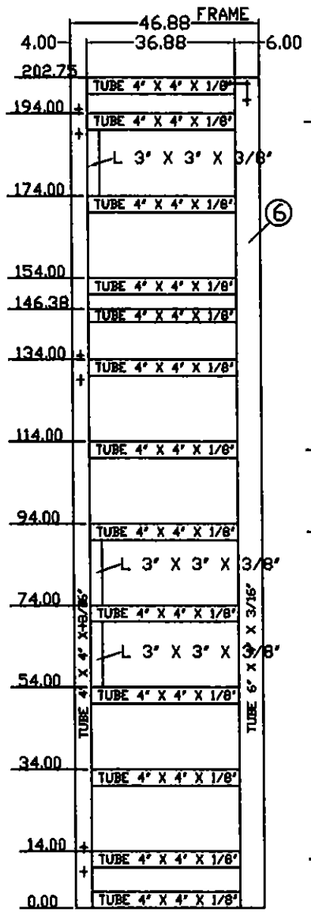


GORDON D. THOMAS LICENSE No. 46718 STATE OF FLORIDA PROFESSIONAL ENGINEER

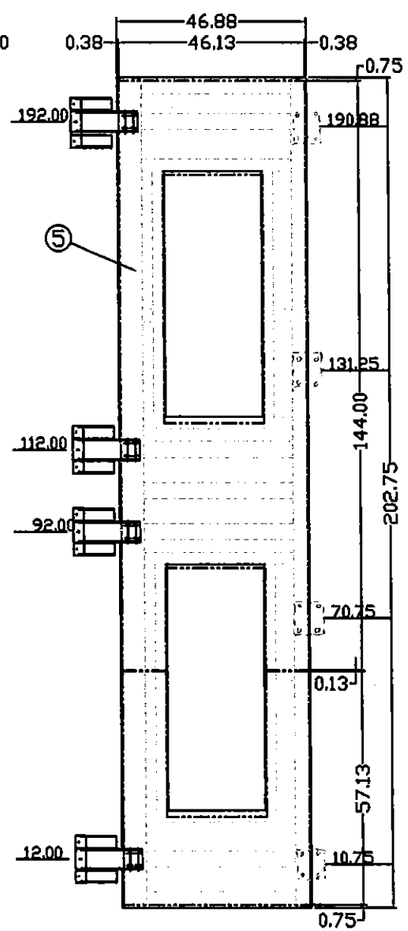
3/30/15



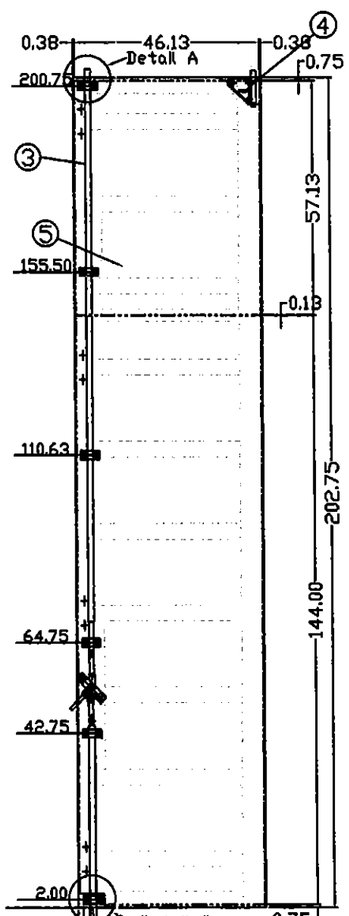
LH 'Jamb' Panel Section
Inside Surface Up
Sheet Metal Not Shown For Clarity



LH 'Middle' Panel Section
Inside Surface Up
Sheet Metal Not Shown For Clarity



LH 'Jamb' Panel Section
Inside Surface Up



LH 'Middle' Panel Section
Inside Surface Up

Detail B
Botton Cremone Bolt Guide
Weldment Detail

ITEM #	PART NUMBER	DESCRIPTION
1		MID HINGES
2		JAMB HINGES
3		CREMONE BOLT
4		TOP TROLLEY
5		#14GA. SHEET METAL
6		TUBE FRAMING

NOTE: DOOR FRAME STEEL TUBES
TO BE ASTM A-500 GR 'B' STRENGTH 46ksi

REV	DATE	BY	DESCRIPTION
1	9/6/13	DS	REVISED PER GORDON'S COMMENTS 8/29/13
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
8001 Ronda Dr.Canton, Michigan 48187

PROJECT:
HURRICANE FOUR-FOLD

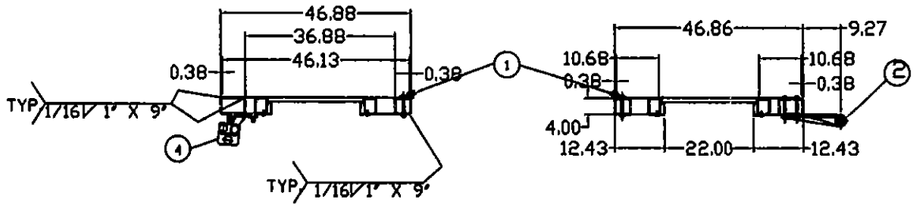
DRAWING TITLE:
LH Panel Framing With Two Windows & No Windows

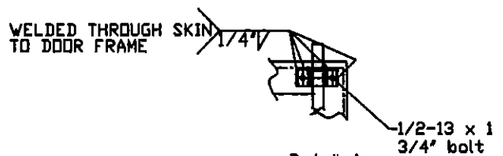
DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"
ARCH.
CONTR.

DRAWN: RB	DATE 8/23/13	DRAWING NO. 13-ID-2140
CHECKED: DS	CUSTOMER NO.	SHEET: 2 OF 12
APPROVED: DS		

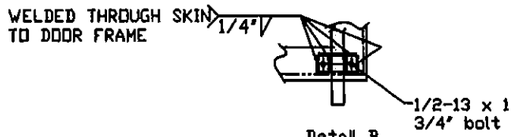
Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 14-1006.07
Miami Dade Product Control
By

GORDON D. THOMAS
LICENSE
No. 46718
3/30/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER

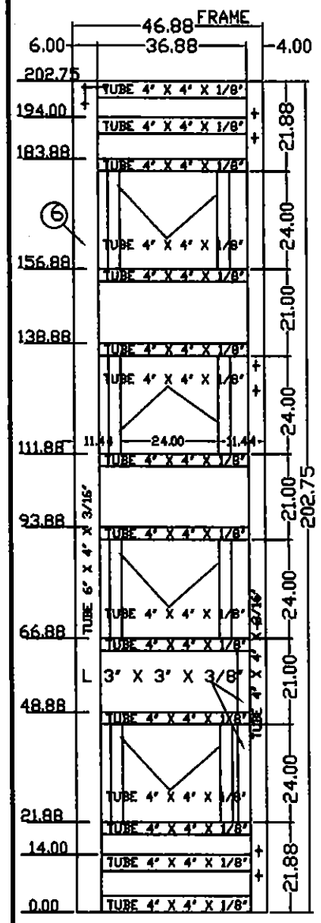




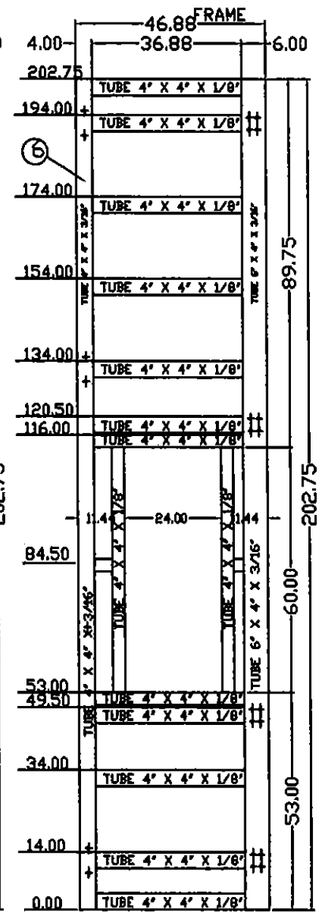
Detail A
Top Cremone Bolt Guide
Weldment Detail



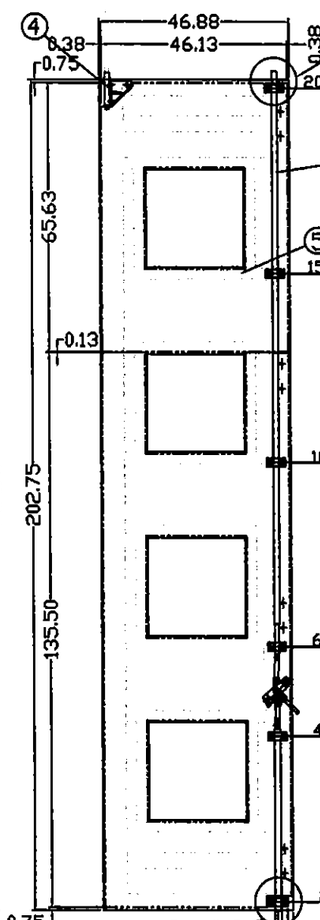
Detail B
Bottom Cremone Bolt Guide
Weldment Detail



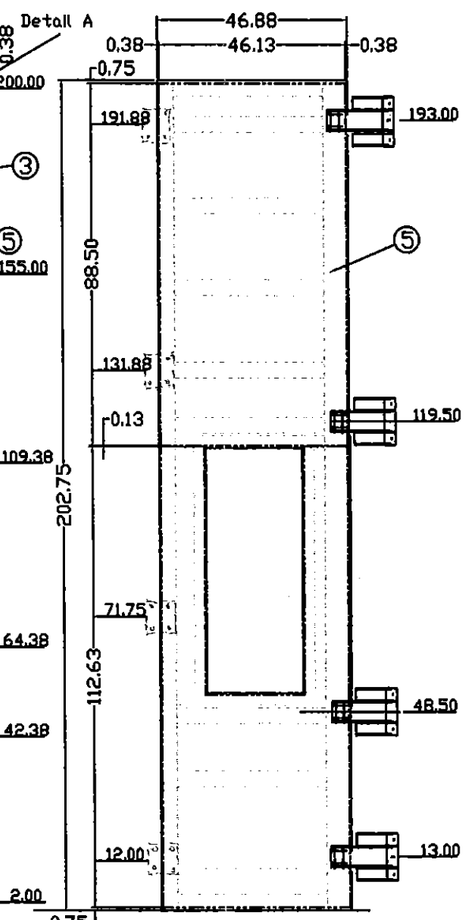
RH 'Middle' Panel Section
Inside Surface Up
Sheet Metal Not Shown For Clarity



RH 'Jamb' Panel Section
Inside Surface Up
Sheet Metal Not Shown For Clarity



RH 'Middle' Panel Section
Inside Surface Up



RH 'Jamb' Panel Section
Inside Surface Up

ITEM #	PART NUMBER	DESCRIPTION
1		MID HINGES
2		JAMB HINGES
3		CREMONE BOLT
4		TOP TROLLEY
5		#14GA. SHEET METAL
6		TUBE FRAMING

NOTE: DOOR FRAME STEEL TUBES
TO BE ASTM A-500 GR 'B' STRENGTH 46ksi

REV	DATE	BY	
1	9/6/13	DS	REVISED PER GORDON'S COMMENTS 8/29/13
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

DESCRIPTION

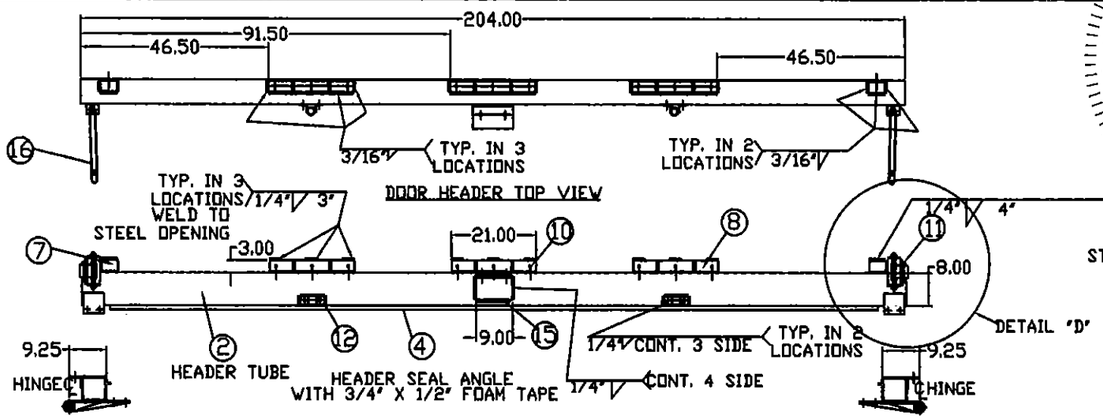
INTERNATIONAL DOOR, INC.
(734) 459-3000
6001 Ronda Dr. Canton, Michigan 48187

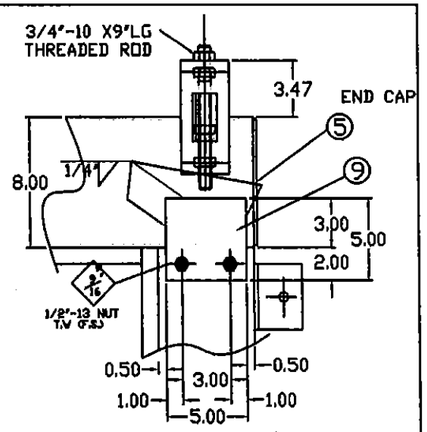
PROJECT:
HURRICANE FOUR-FOLD

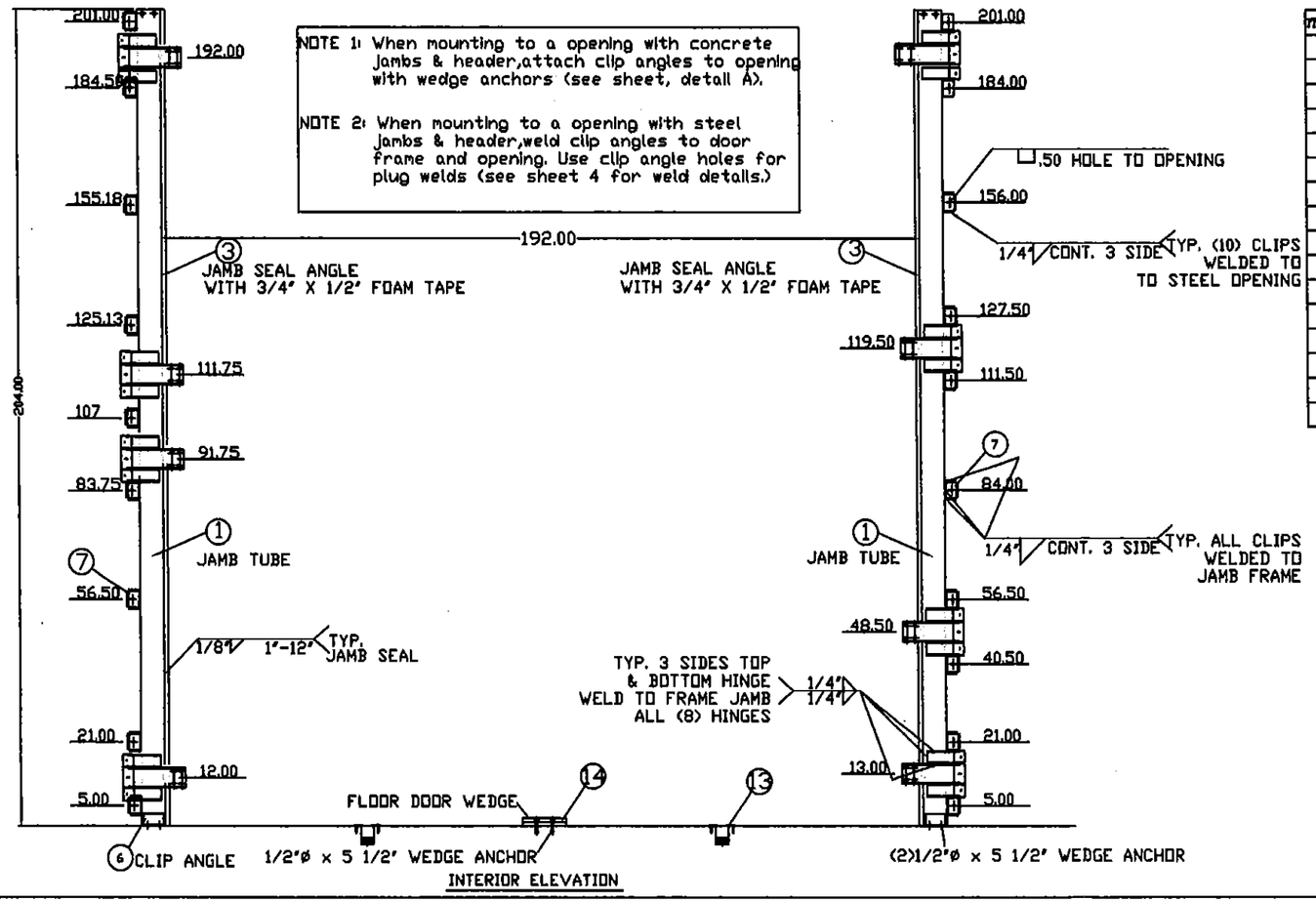
DRAWING TITLE:
LH Panel Framing With Two Windows & No Windows

DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"
ARCH.
CONTR.
DRAWN: RB | DATE 8/23/13 | DRAWING NO. 13-ID-2140
CHECKED: DS | CUSTOMER NO. | SHEET: 3 OF 12
APPROVED: DS

Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 14-1006.07
Miami-Dade Product Control
By







NOTE 1: When mounting to a opening with concrete jambs & header,attach clip angles to opening with wedge anchors (see sheet, detail A).

NOTE 2: When mounting to a opening with steel jambs & header,weld clip angles to door frame and opening. Use clip angle holes for plug welds (see sheet 4 for weld details.)

ITEM #	PART NUMBER	DESCRIPTION
1	TS 6"X6"X1/4"	JAMB TUBE
2	TS 8"X6"X1/4"	HEADER TUBE
3	L 1" X 1" X 1/8"	JAMB WEATHER ANGLE
4	L 1" X 1" X 1/8"	HEADER WEATHER ANGLE
5	#12GA. 6" X 8"	END CAP
6	L 3" X 3" X 1/4" X 3"	CLIP ANGLE
7	L 3" X 3" X 1/4" X 4"	CLIP ANGLE
8		HEADER ATTACHMENT ANGLE SHEET# 7 OF 12
9	1/4" X 5" X 5"	CORNER JOINT PLATE
10		HEADER ATTACHMENT ANGLE SHEET# 7 OF 12
11		END TRACK HANGER
12		CREMONE BOLT GUIDE
13		CREMONE BOLT KEEPER
14		FLOOR GUIDE
15	6"X6"X1/2"X9	TOP TRACK CENTER SUPPORT SHEET#7 OF 12
16		END TRACK ANGLE ARM SHEET# 8 OF 12

REV	DATE	BY	
A	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
B	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

DESCRIPTION

INTERNATIONAL DOOR, INC.
(734) 459-3000
8001 Ronda Dr.Canton, Michigan 48187

PROJECT:

HURRICANE FOUR-FOLD

DRAWING TITLE:

Support Framing For Four Fold

DOOR# TEST DOOR OPENING SIZE 16'-0" x 17'-0"

ARCH.

CONTR.

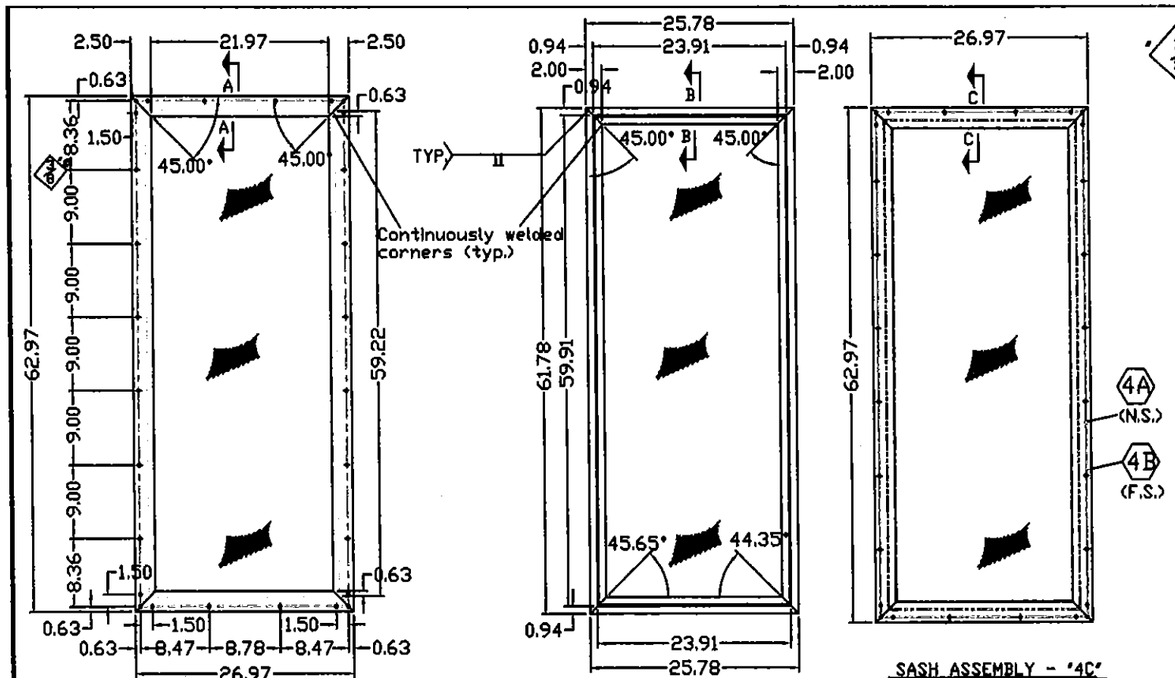
DRAWN: RB | DATE 8/23/13 | DRAWING NO. 13-ID-2140

CHECKED: DS | CUSTOMER NO. | SHEET: 4 OF 12

APPROVED: DS

GORDON D. THOMAS LICENSE No. 46718 STATE OF FLORIDA PROFESSIONAL ENGINEER 3/30/15

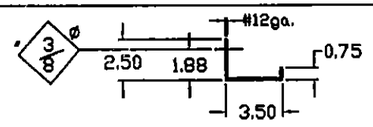
Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 14-1006.07
Miami Dade Product Control
By



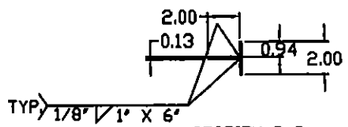
INSIDE SASH ASSEMBLY - '4A'
(INSIDE ELEVATION)
5' X 2' LITES

OUTSIDE SASH ASSEMBLY '4B'
(INSIDE ELEVATION)
5' X 2' LITES

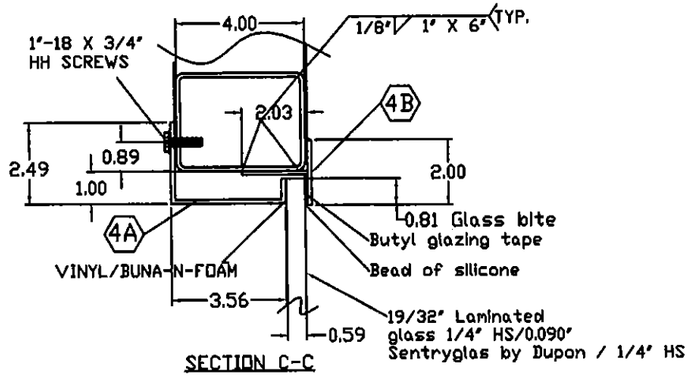
SASH ASSEMBLY - '4C'
(INSIDE ELEVATION)
5' X 2' LITES
DLO: 57 3/4" X 21 3/4" LITES



SECTION A-A



SECTION B-B



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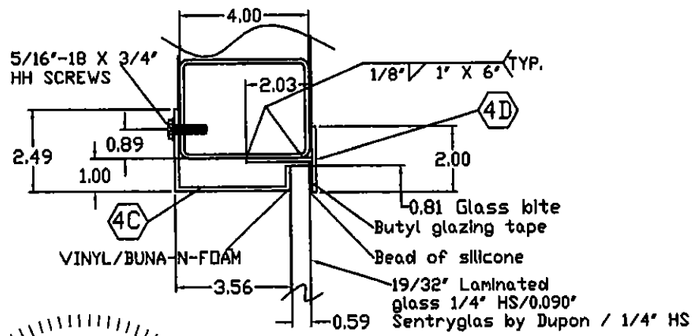

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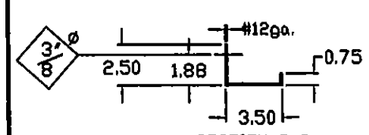

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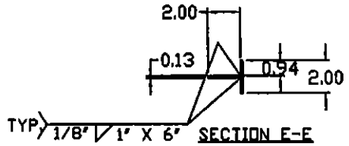

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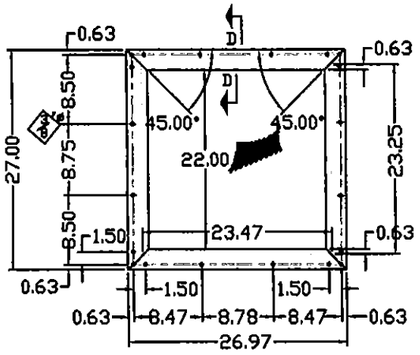
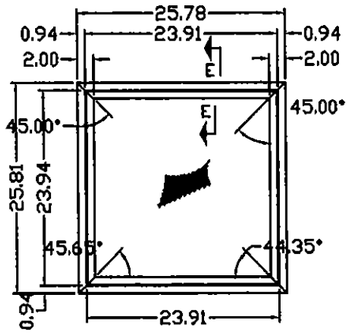
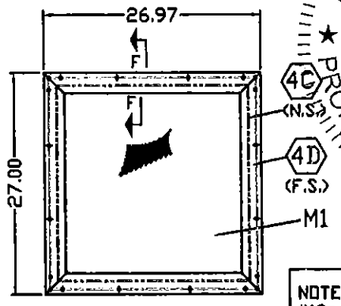


INSIDE SASH ASSEMBLY - '4D'
(INSIDE ELEVATION)
2' X 2' LITES



OUTSIDE SASH ASSEMBLY '4E'
(INSIDE ELEVATION)
2' X 2' LITES



SASH ASSEMBLY - '4F'
(INSIDE ELEVATION)
2' X 2' LITES

NOTE: Interior Window frames
#12ga ASTM A569
Exterior Window frames
#12ga ASTM A569

GORDON D. THOMAS
LICENSE
NO. 46798
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/30/15

REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
1	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
8001 Ronda Dr.Canton, Michigan 48187

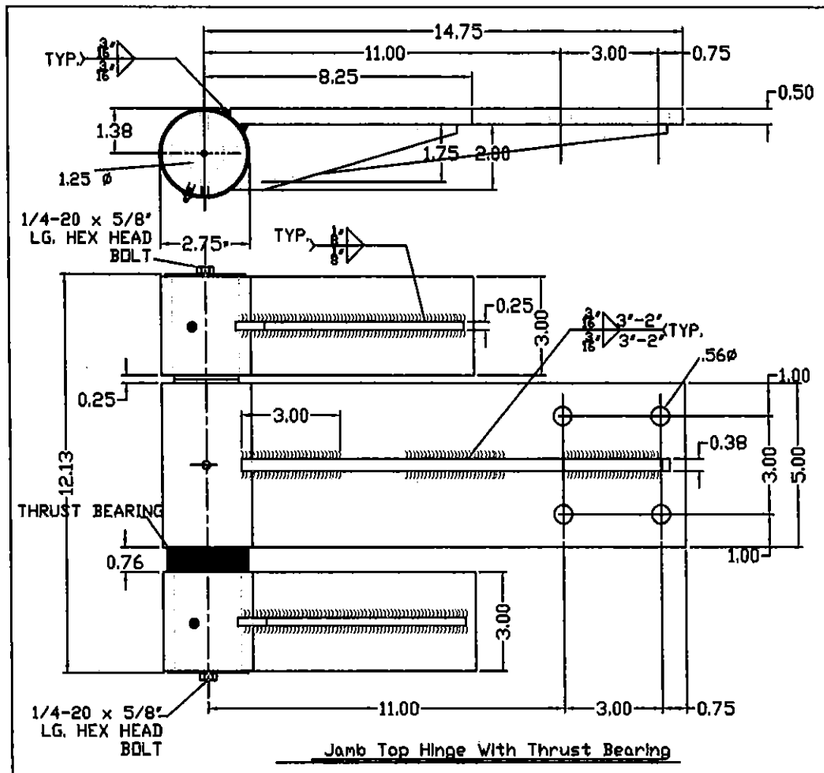
PROJECT:
HURRICANE FOUR-FOLD

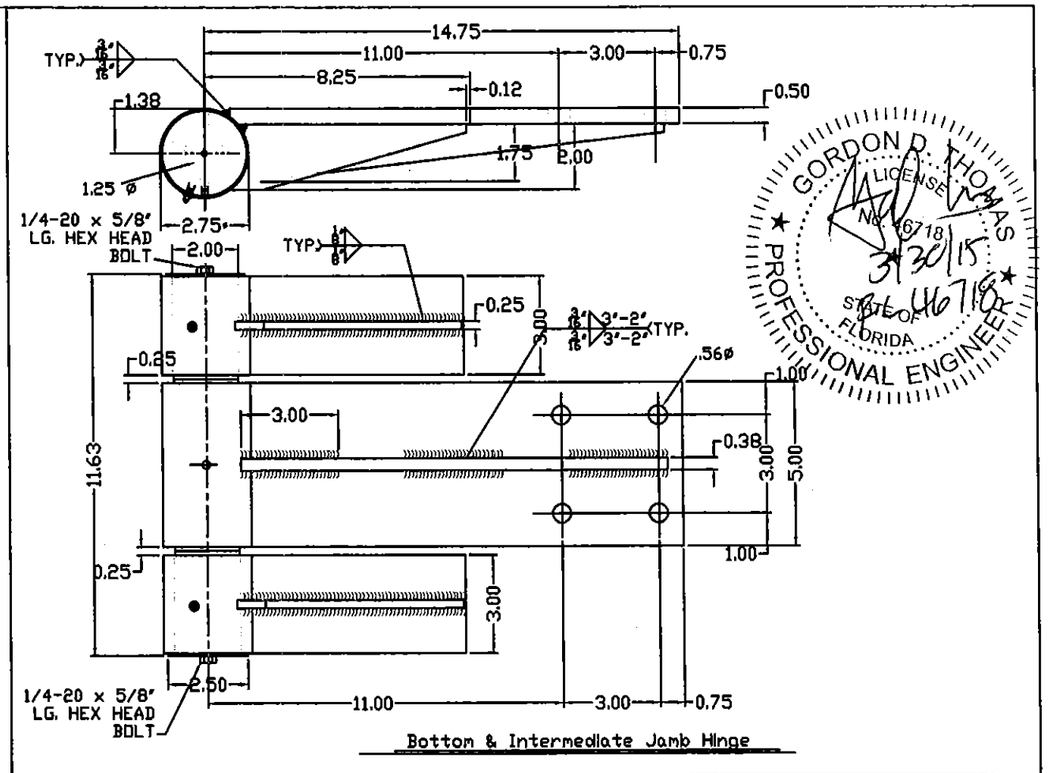
DRAWING TITLE:
WINDOW FRAME DETAILS

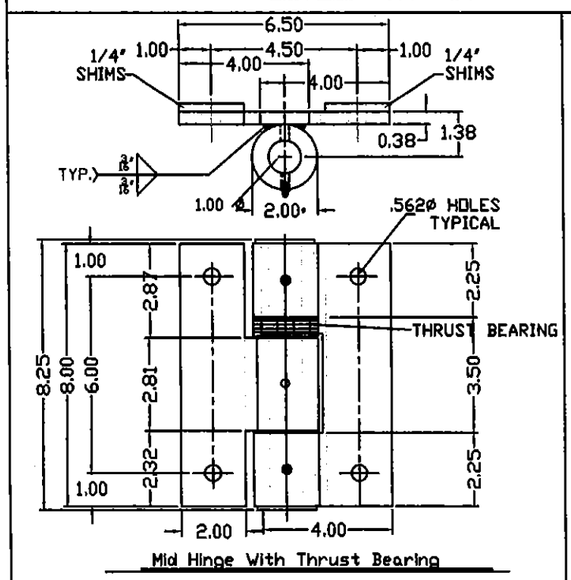
DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"

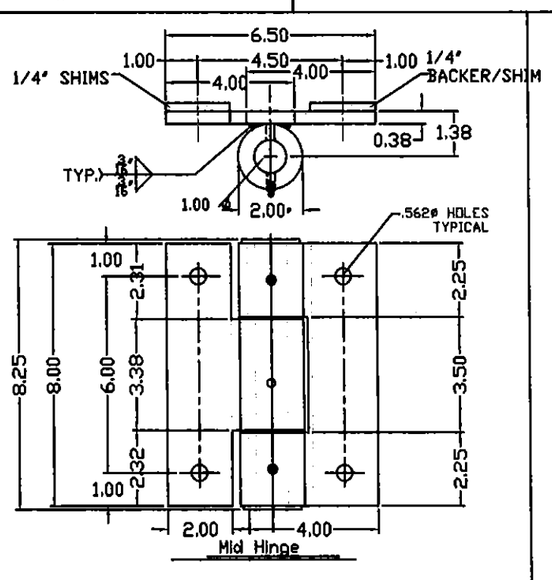
ARCH.		
CONTR.		
DRAWN: RB	DATE 8/23/13	DRAWING NO. 13-ID-2140
CHECKED: DS	CUSTOMER NO.	SHEET: 5 OF 12
APPROVED: DS		

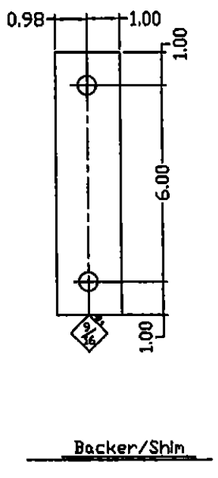
Approved as complying with the
Florida Building Code
Date 06/18/2015
NOA# 14-1006.07
Miami Dade Product Control
By











REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
8001 Ronda Dr.Canton, Michigan 48187

PROJECT: HURRICANE FOUR-FOLD

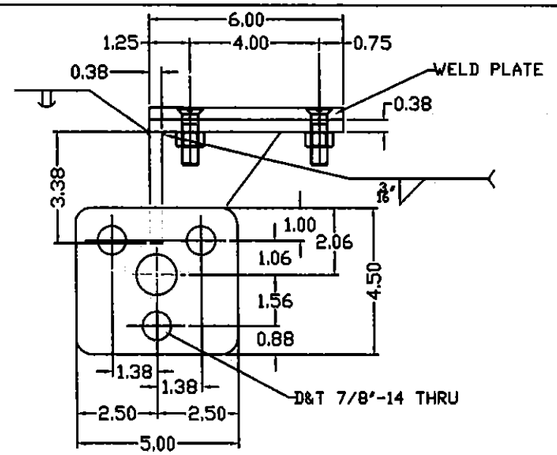
DRAWING TITLE: JAMB & MID HINGE DETAILS

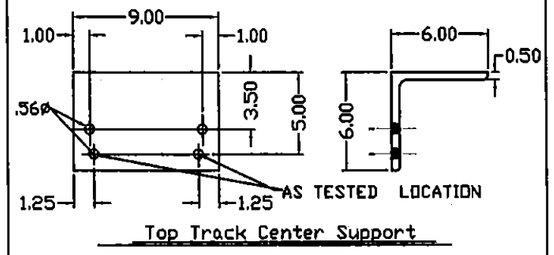
DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"

ARCH.		
CONTR.		
DRAWN: RB	DATE 8/23/13	DRAWING NO. 13-ID-2140
CHECKED: DS	CUSTOMER NO.	SHEET 6 OF 12
APPROVED: DS		

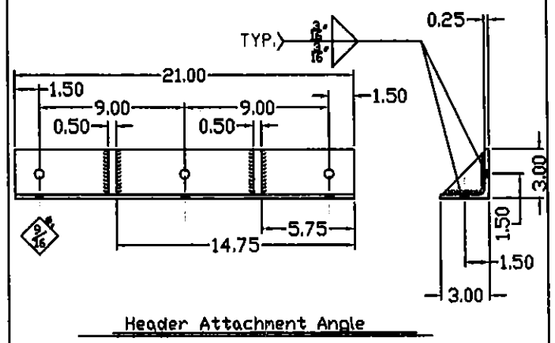
GORDON D. THOMAS
LICENSE
No. 67718
3/30/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Approved as complying with the Florida Building Code
Date: 06/10/2015
NOA# 14-1006.07
Miami Dade Product Control
By

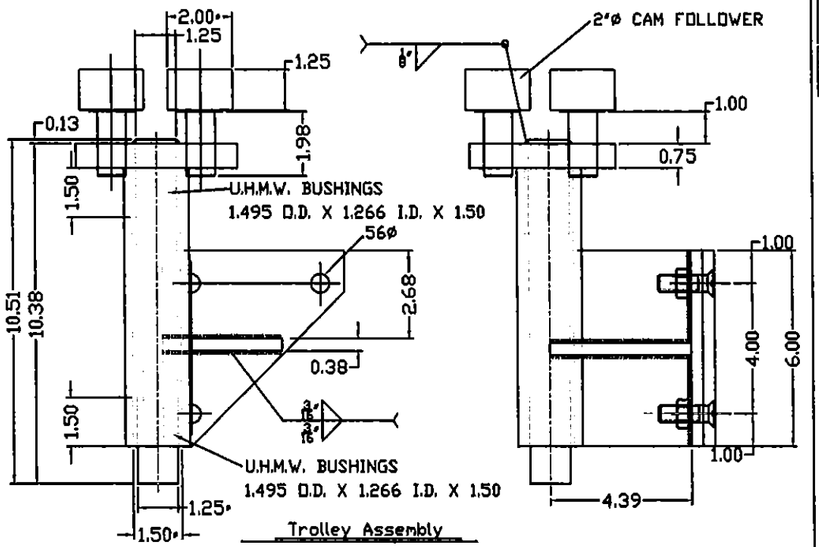




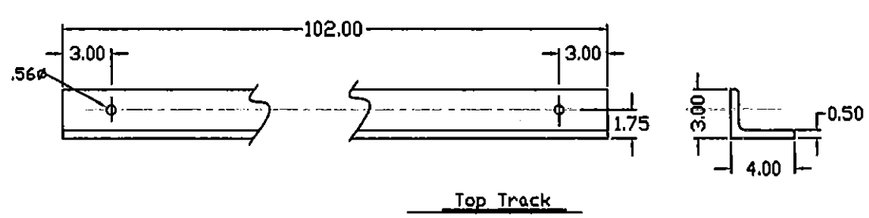
Top Track Center Support



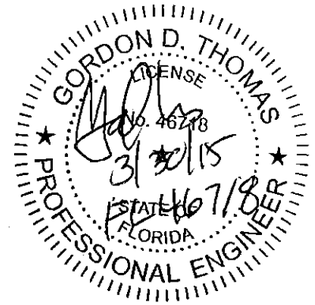
Header Attachment Angle



Trolley Assembly



Top Track



REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
8001 Ronda Dr.Canton, Michigan 48187

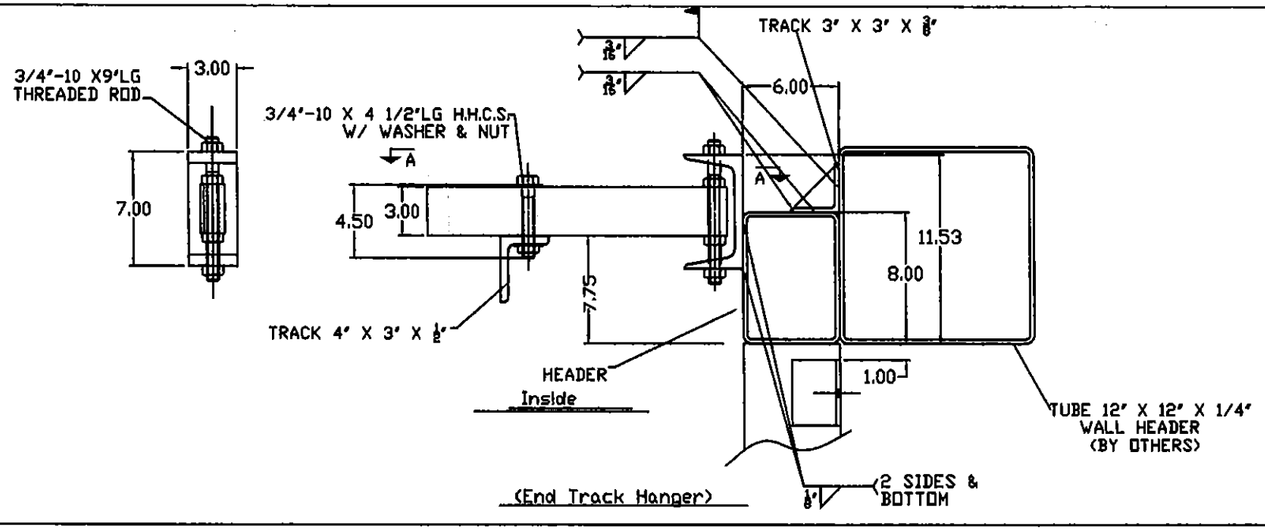
PROJECT:
HURRICANE FOUR-FOLD

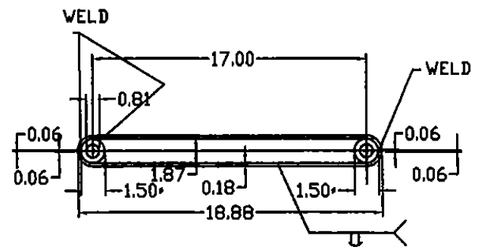
DRAWING TITLE:
TROLLEY DETAIL

DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"

ARCH.		
CONTR.		
DRAWN: RB	DATE 8/23/13	DRAWING NO. 13-ID-2140
CHECKED: DS	CUSTOMER NO.	SHEET 7 OF 12
APPROVED: DS		

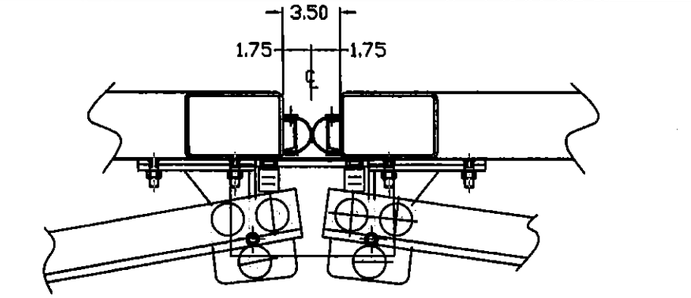
Approved as complying with the Florida Building Code
Date 06/01/2015
NOA# 14-1006.07
Miami Dade Product Control
By

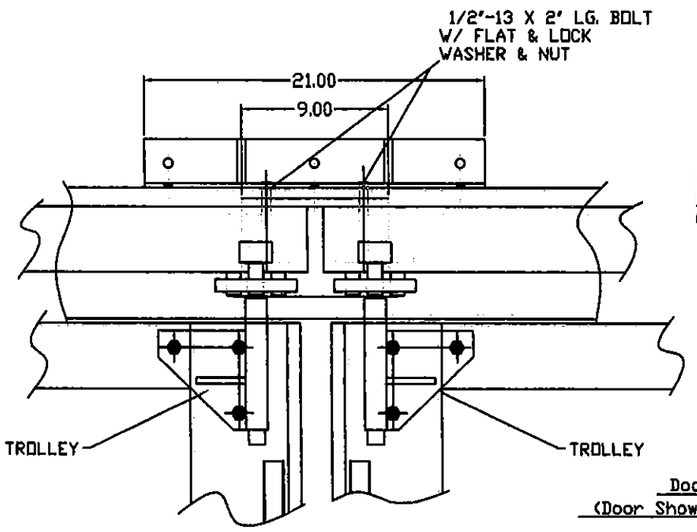




Section A-A

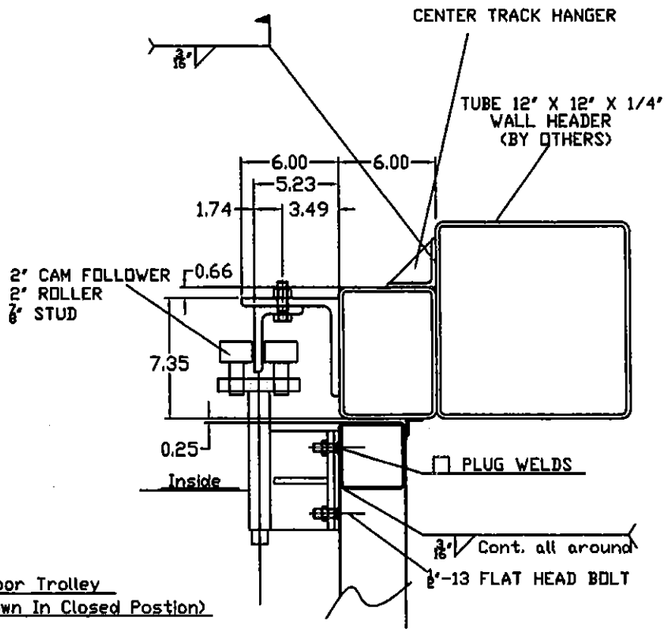
(End Track Hanger Arm)





Door Trolley

(Door Shown In Closed Postion)



GORDON D. THOMAS
LICENSE
No. 60718
3/30/15
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
6001 Ronda Dr.Canton, Michigan 48187

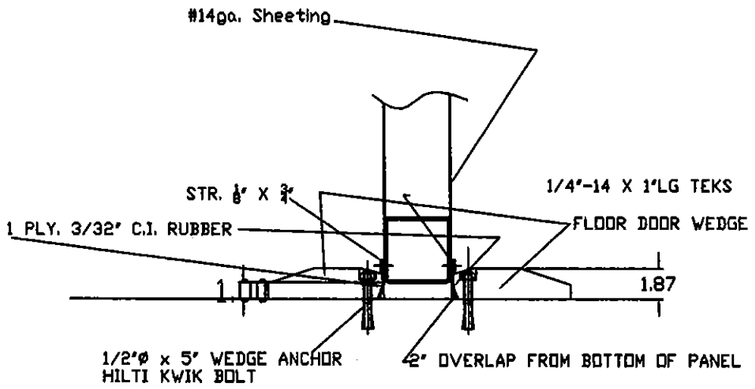
PROJECT: HURRICANE FOUR-FOLD

DRAWING TITLE: Four Fold Layout Details

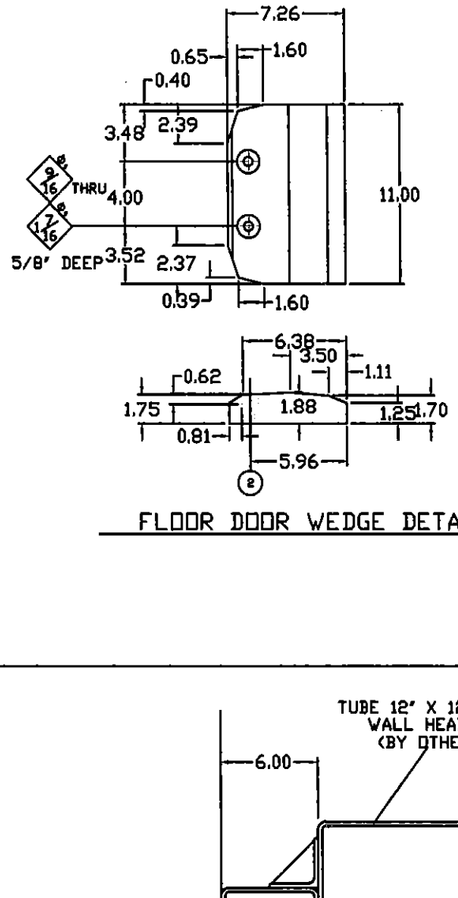
DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"

ARCH.
CONTR.
DRAWN: RB
CHECKED: DS
APPROVED: DS
DATE 8/23/13
CUSTOMER NO.
DRAWING NO. 13-ID-2140
SHEET 8 OF 12

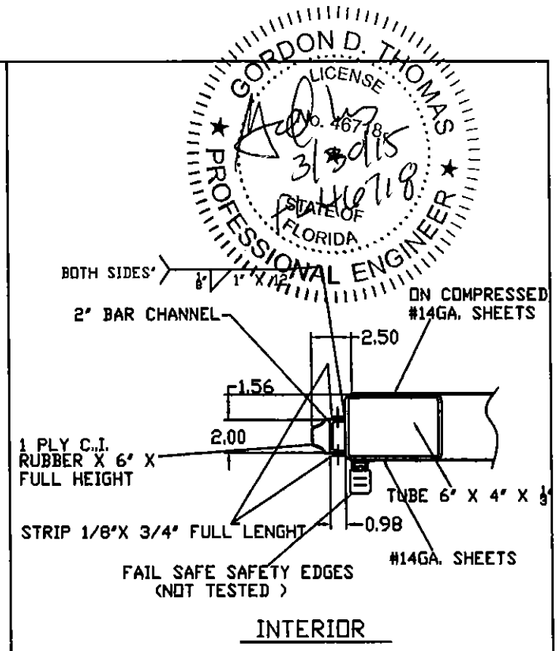
Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 14-1016.07
Miami Dade Product Control
By



Sill Detail

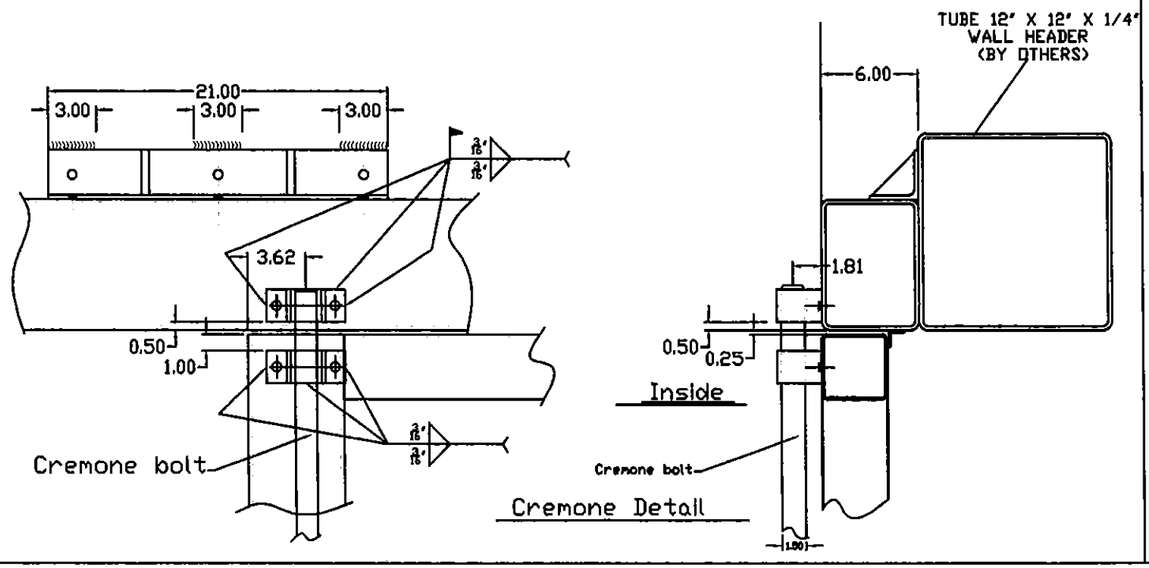


FLOOR DOOR WEDGE DETAIL



INTERIOR

CENTER MEETING WEATHER SEAL



REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
1	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
6001 Ronda Dr.Canton, Michigan 48187

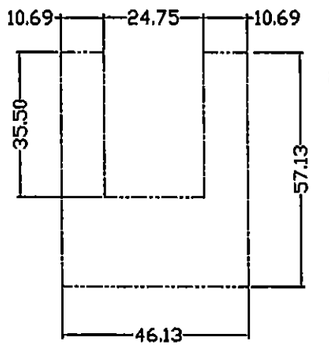
PROJECT:
HURRICANE FOUR-FOLD

DRAWING TITLE:
Four Fold Layout Details

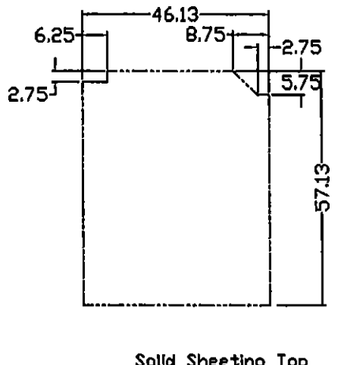
DOOR# TEST DOOR		OPENING SIZE 16'-0" x 17'-0"	
ARCH.			
CONTR.			
DRAWN:RB	DATE 8/23/13	DRAWING NO. 13-ID-2140	
CHECKED:DS	CUSTOMER NO.	SHEET 9 OF 12	
APPROVED:DS			

GORDON D. THOMAS
LICENSE
No. 46718
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/30/15

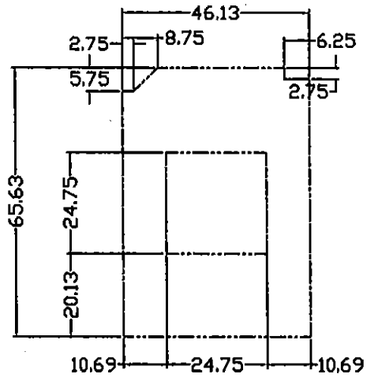
Approved as complying with the Florida Building Code
Date 06/16/2015
NOA# 14-1006.07
Miami Dade Product Control
By



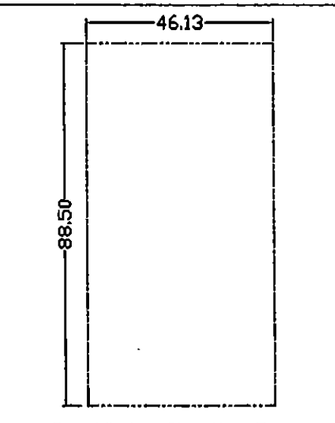
Two Window Sheeting Bottom
(INSIDE SHEET METAL)



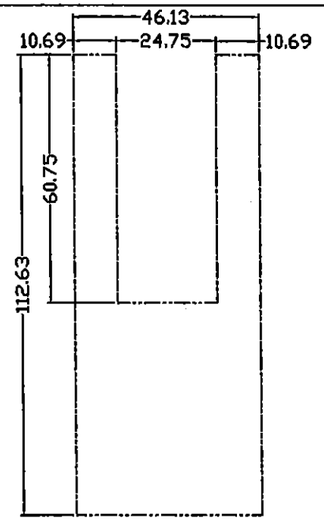
Solid Sheeting Top
(INSIDE SHEET METAL)



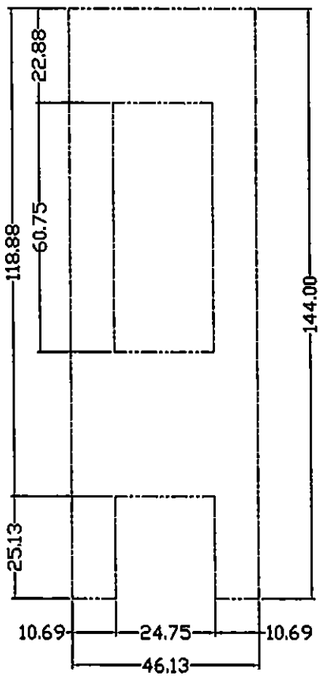
Four Window Sheeting Top
(INSIDE SHEET METAL)



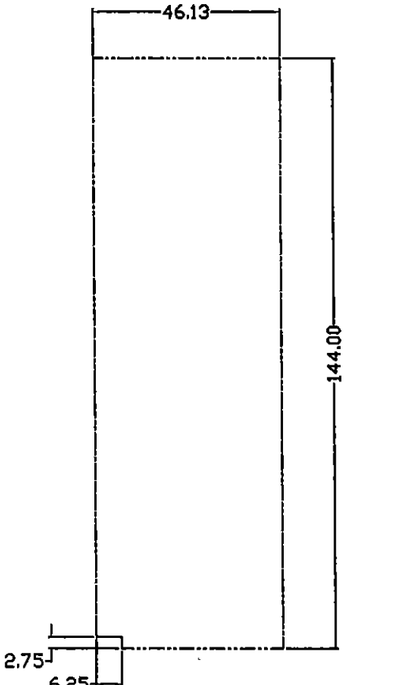
One Window Sheeting Top
(INSIDE SHEET METAL)



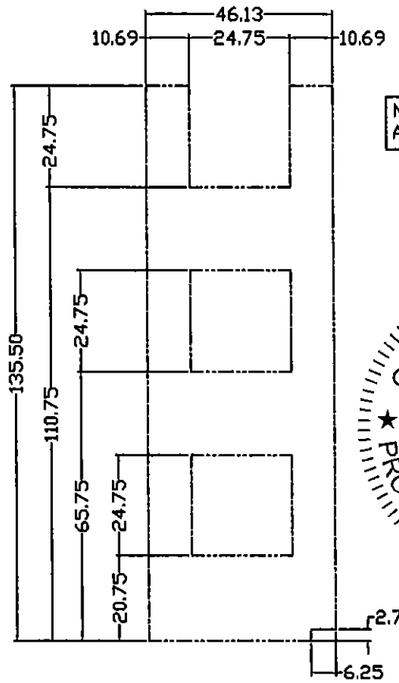
One Window Sheeting Bottom
(INSIDE SHEET METAL)



Two Window Sheeting Top
(INSIDE SHEET METAL)



Solid Sheeting Bottom
(INSIDE SHEET METAL)



Four Window Sheeting Bottom
(INSIDE SHEET METAL)

Note: All sheet metal #14 gage
ASTM A569 Fymin = 50ksi

Shop Note: Exterior sheet metal was welded around the entire perimeter horizontal & vertical from the inside of the frame with 0.125" wide x 1.5" long fillet weld spaced at 6"o.c.

Shop Note: Interior sheet metal was welded around the entire perimeter horizontal & vertical frame members with 0.125" wide x 1.5" long fillet welds at 6"o.c and (.25" dia.) plug welds to horizontal and vertical frame members at 10" o.c.

GORDON D. THOMAS
LICENSE
NO. 46718
3/30/15
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Paint Note: One coat of rust inhibitive I.D.I standard grey primer.

REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

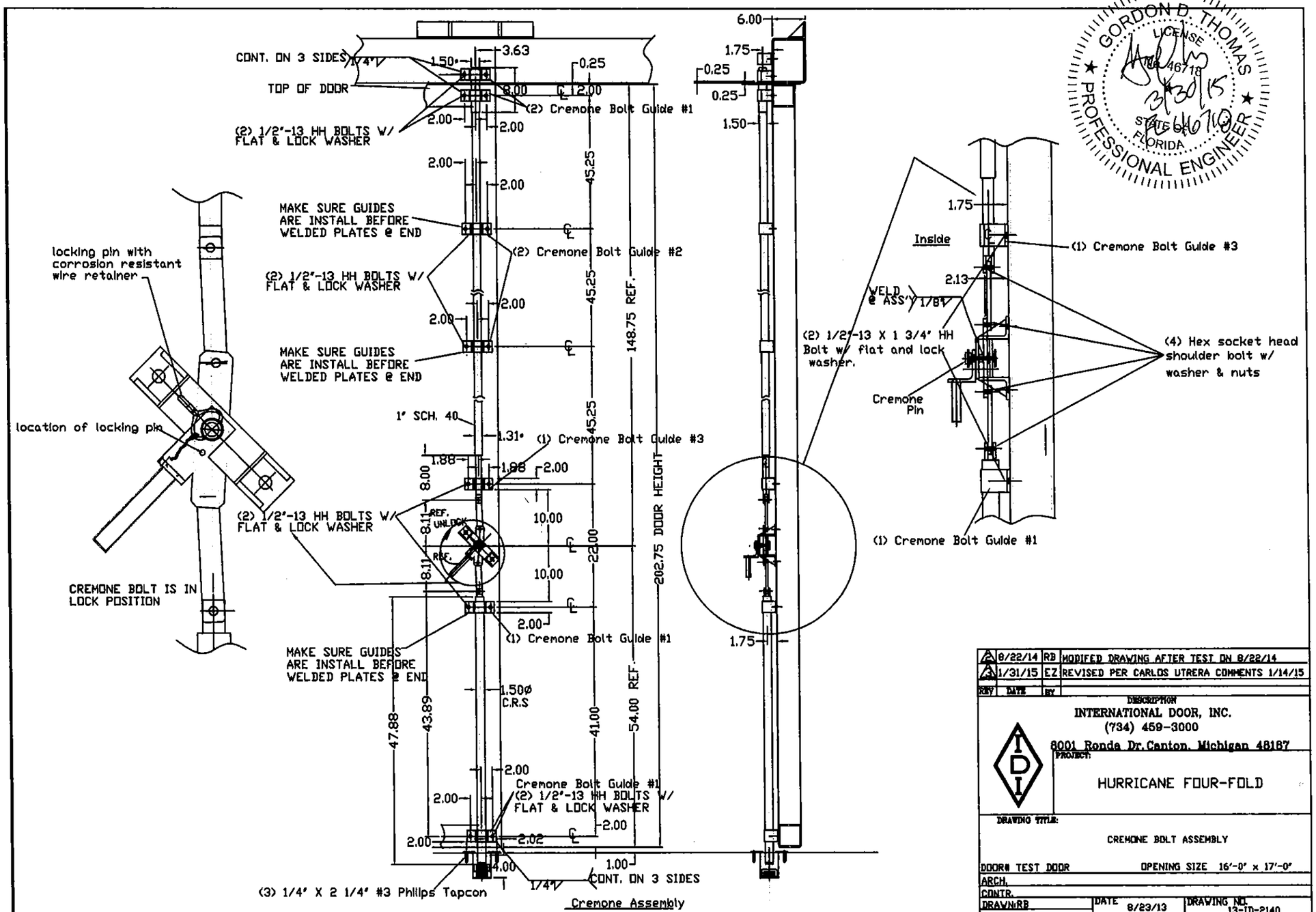
INTERNATIONAL DOOR, INC.
(734) 459-3000
8001 Ronda Dr.Canton, Michigan 48187

PROJECT:
HURRICANE FOUR-FOLD

DRAWING TITLE:
SHEET METAL DETAILS

DOOR# TEST DOOR
OPENING SIZE 16'-0" x 17'-0"
ARCH.
CONTR.
DRAWN:RB
CHECKED:DS
APPROVED: DS
DATE 8/23/13
CUSTOMER NO.
DRAWING NO. 13-ID-2140
SHEET 10 OF 12

Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 14-1006.07
Miami Dade Product Control
By



GORDON D. THOMAS LICENSE NO. 46710 STATE OF FLORIDA PROFESSIONAL ENGINEER

3/30/15

REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
8001 Ronda Dr. Canton, Michigan 48187

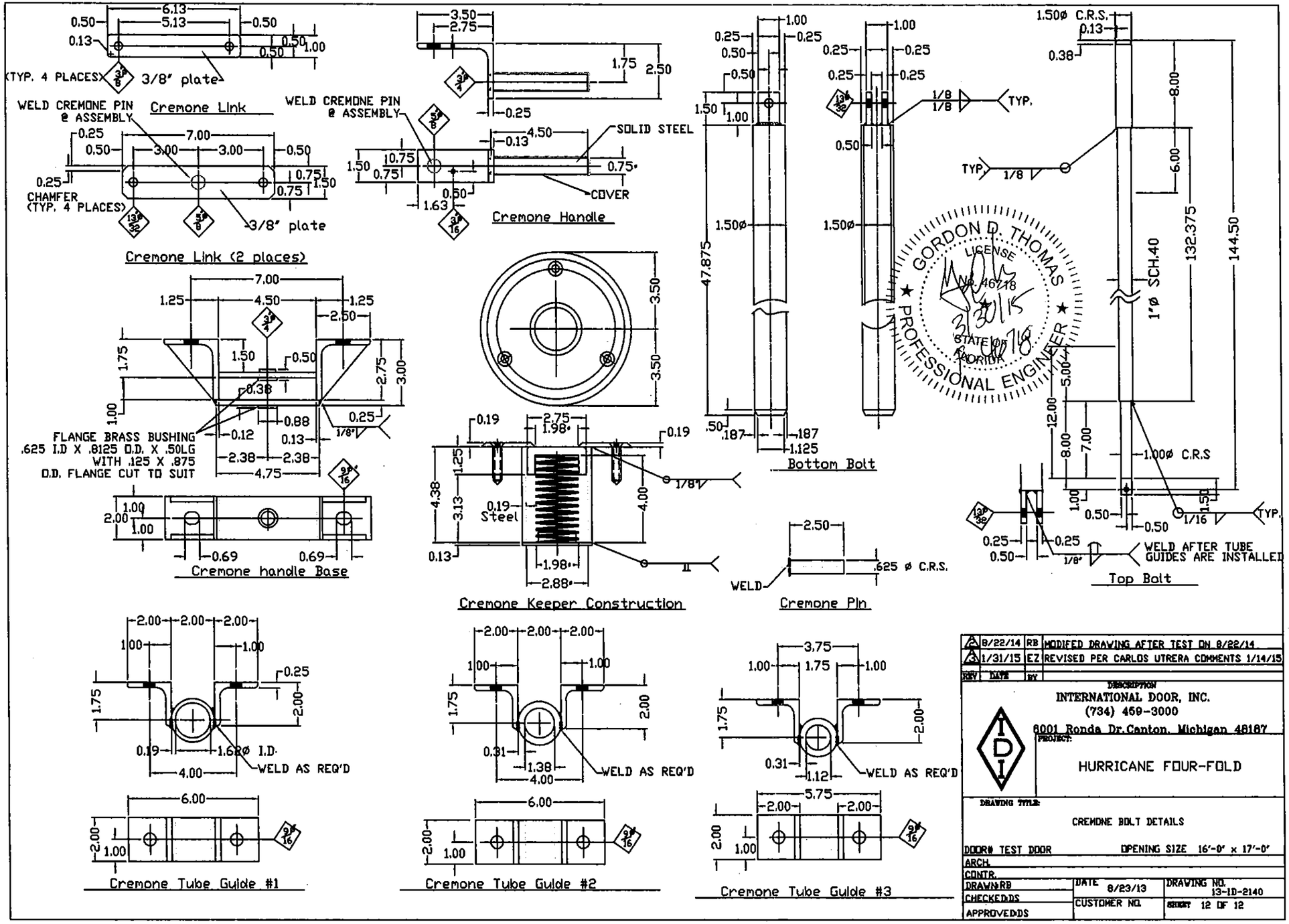
PROJECT:
HURRICANE FOUR-FOLD

DRAWING TITLE:
CREMONE BOLT ASSEMBLY

DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"

ARCH.		
CONTR.		
DRAWN:RB	DATE 8/23/13	DRAWING NO. 13-ID-2140
CHECKED:DS	CUSTOMER NO.	SHEET 11 OF 12
APPROVED: DS		

Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 14-1002.07
Miami Dade Product Control
By



GORDON D. THOMAS
LICENSE
No. 46718
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REV	DATE	BY	DESCRIPTION
2	8/22/14	RB	MODIFED DRAWING AFTER TEST ON 8/22/14
3	1/31/15	EZ	REVISED PER CARLOS UTRERA COMMENTS 1/14/15

INTERNATIONAL DOOR, INC.
(734) 459-3000
6001 Ronda Dr.Canton, Michigan 48187

PROJECT:
HURRICANE FOUR-FOLD

DRAWING TITLE:
CREMONE BOLT DETAILS

DOOR# TEST DOOR — OPENING SIZE 16'-0" x 17'-0"

ARCH.		
CONTR.		
DRAWN:RB	DATE 8/23/13	DRAWING NO. 13-ID-2140
CHECKED:DS	CUSTOMER NO.	SHEET 12 OF 12
APPROVED:DS		

Approved as complying with the Florida Building Code
Date 06/18/2015
NOA# 14-1006.07
Miami Dade Product Control
By