MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

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/pera/

NOTICE OF ACCEPTANCE (NOA)

Ingersoll-Rand
6810 Hillsdale Court
Indianapolis, IN 46250

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 PERA -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. PERA 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.

DESCRIPTIO: IR / Steelcraft H" Double Flush Outswing Commercial Steel Doors w/ SVR (Surface Vertical Rod) Panic Exit Devices

APPROVAL DOCUMENT: Drawing No. Drawing No "**3580-1**" Rev **E**, titled "Commercial Steel H-series Doors", sheets 1 through 6 of 6, prepared by the manufacturer, dated 03-13-09 and last revised on 04/12/11, signed and sealed by Thomas Gordon, 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 section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:

1. See Design Pressures and Water infiltration limitation on sheets 1 & 5 of the drawings.
2. Option (A) Polystyrene and Expanded polystyrene foam core options (F) in sheet 6 are limited to Atlas EPS (min ρ =1#/ft^3) and Polyisocyanurate El-Foam–H200 (polyurethane, min ρ =2#/ft^3) by Elliott Company.
3. Electrical/Electronic function is not part of this approval, such functions to be reviewed and approved by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Cincinnati, Ohio and series and following statement: "Miami-Dade County Product Control Approved", 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 NOA # 09-0528.06** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

5/23/12 MIAMI-DADE COUNTY APPROVED

NOA No 12-0305.12
Expiration Date: April 14, 2016
Approval Date: May 31, 2012

Ingersoll-Rand

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and sections drawings (submitted under file # **09-0528.06**)
2. Drawing No. Drawing No "**3580-1**" Rev **E**, titled "Commercial Steel H-series Doors", sheets 1 through 6 of 6, prepared by the manufacturer, dated 03-13-09 and last revised on 04/12/11, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted file # **09-0528.06**)

Test reports on:
1) Air Infiltration Test, per FBC, TAS 202-94(Not conducted)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94(Not conducted)
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, TAS 202-94

Along with manufacturer's parts and section drawings of Flush out swing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **NCTL-210-3580-1** dated 03/25/09, signed and sealed by Gerard J. Ferrara, P. E.

2. Additional test reports (from NOA file #10-0209.06)
   1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94.
   2) Water Resistance Test per FBC TAS 202-94 (11.25 puff=+75psf)

Along with marked-up drawings and installation diagram of double steel commercial doors, prepared by National Certified Testing Laboratories Inc., Test Report No. **NCTL- 210-03-0514-11,** dated August 31, 2004, **NCTL- 210-3044-1,** dated August 31, 2004, **NCTL- 210-3549-1,** dated August 26, 2008 and **NCTL- 210-3511-1** dated 04/09/08, all signed and sealed by Gerard J. Ferrara, P. E.

Note: Test report No(s): NCTL210-3549-1 and NCTL-210-3511-1 have been revised by an addendum letter, issued by Lab, did Feb. 04, 2009, signed & sealed by Gerard J. Ferrara, P. E.

C. CALCULATIONS (Submitted under file # **09-0528.06**)

1. Anchor verification calculations complying with FBC-2007 & Evaluation report, prepared dated 04/26/09, signed and sealed by Gordon Thomas, P.E.

D. QUALITY ASSURANCE BY

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS (submitted under file # **10-0209.06**)

1. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by CTL Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
2. Test Report No. **16206-122543 (1015P200(3))**, dated November 29, 2004 for " Surface Burning Characteristics of Building material" per ASTME84 and self Ignition per ASTM1929D for "Polyisocyanurate" issued by Omega Point Laboratories, Inc. to Elliot Company, Indianapolis, Indiana.
3. Test Report No. **03NK2370/R145081**, January 21, 2003, issued by Underwriters laboratories Inc for "Surface Burning Characteristics of Building material" per ASTME84-00a and self Ignition per ASTM1929D for "Elfoam H200", issued to Elliott Co. of Indianapolis, Indiana.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 12-0305.12
Expiration Date: April 14, 2016
Approval Date: May 31, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

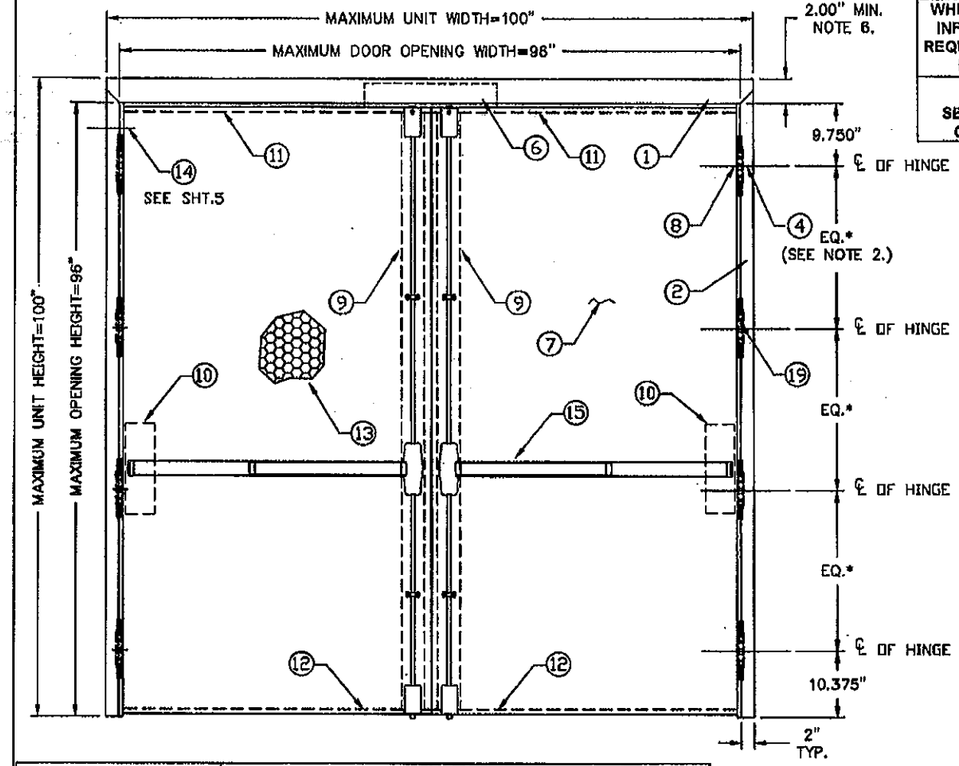
1. Letter of conformance to FBC 2010 "No financial interest" dated 02/15/12, signed and sealed by Gordon Thomas, P.E.
2. Statement letter of conformance to FBC 2007 and no financial interest, dated 05/04/09, prepared, signed and sealed by Gordon Thomas, P.E.
3. Laboratory Compliance statement issued as part of test report.
4. Addendum letter dated 3/15/10 for test report NCTL210-3645-1, issued by National certified Testing lab.
5. Letter of certification dated 04/20/10, issued by Ingersoll-Rand for electronic CO lock series mechanical /functional parts same as AD, ND and AD-M series.

G. OTHER

1. This NOA **revises NOA # 09-0528.06**, expiring on 04/14/16.
2. Consolidated reference NOA # 10-0209.06 (Rev#12-0305.13).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 12-0305.12
Expiration Date: April 14, 2016
Approval Date: May 31, 2012



DESIGN PRESSURE RATING, PSF	
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
±75 SEE TABLE 5 ON SHT. 5	±150 SEE TABLE 6 ON SHT. 5

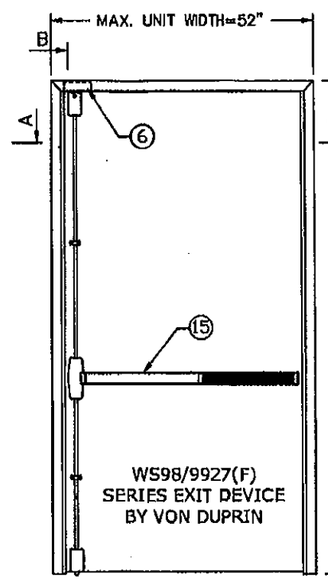
LARGE MISSILE IMPACT RATING		
FBC SECTION	TEST STANDARD	IMPACT
1609/1626 HVHZ	FBC TAS 201/203	9 LBS @ 34 MPH (50 FPS)

HVHZ - HIGH VELOCITY HURRICANE ZONE

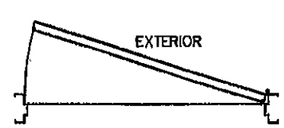
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-0305.12
Expiration Date APR 14, 2016
By Ishaq I. Chanda
Miami Dade Product Control

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	NEW APPROVAL YMF	03/13/09	
B	REVISION DWG YMF	01/19/10	
C	REVISION DWG YMF	03/31/10	
D	REVISION DWG YMF	08/05/10	
E	REVISION DWG YMF	12/06/10	

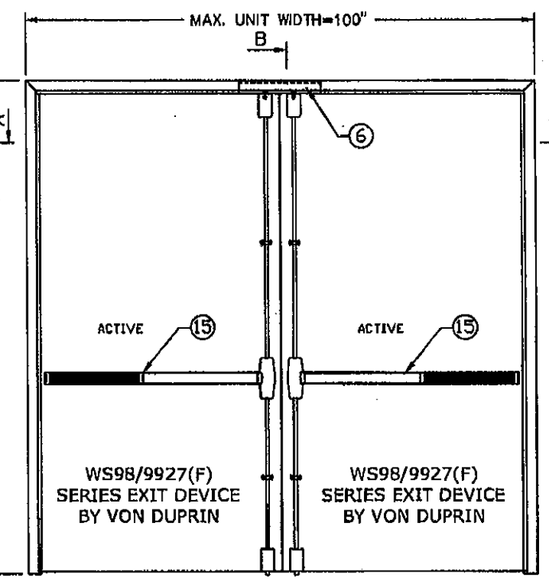
SINGLE OUTSWING DOORS



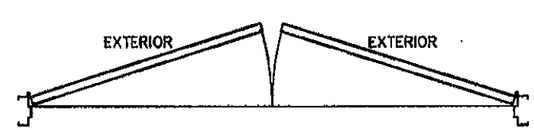
B INTERIOR VIEW (OUTSWING DOOR)



DOUBLE OUTSWING DOORS

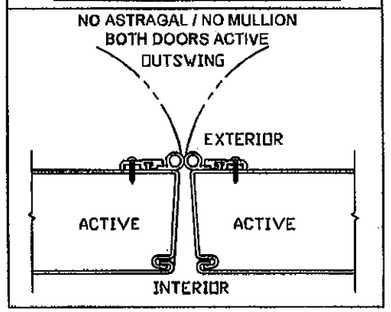


B INTERIOR VIEW (OUTSWING DOORS)



Approved as complying with the Florida Building Code
Date APR 14, 2011
NOA# 09-0528.06
Miami Dade Product Control
By Ishaq I. Chanda

DETAIL 'A' MEETING DOOR EDGES



SINGLE / DOUBLE OPENING B.O.M.					TABLE 1.
ITEM	QUANTITY		DESCRIPTION	MATERIAL	REF.
	Sngle	Dble			
1	1	1	HEAD SECTION (up to 100" long)	.053" MIN. STL.	ASTM A366
2	1	2	HINGE JAMB	.053" MIN. STL.	ASTM A366
3	1	0	STRIKE JAMB	.053" MIN. STL.	ASTM A366
4	4	8	FRAME HINGE REINFORCEMENT	.171" MIN. STL.	ASTM A621
5	4	8	HINGE	.134" MIN STL.	SHT. 2
6	1	1	HEAD REINFORCEMENT	.067" MIN. STL.	SHT. 2
7	1	2	DOOR SLAB	.053" MIN. STL.	SHT. 3
8	4	8	DOOR HINGE REINFORCEMENT	.171" MIN. STL.	ASTM A621
9	1	2	DOOR LOCKSIDE REINFORCEMENT CHANNEL (FULL LENGTH)	.099" MIN. STL.	SHT. 2
10	1	2	DOOR HINGE SIDE REINFORCEMENT BOX	.067" MIN. STL.	SHT. 2
11	1	2	TOP CHANNEL (FULL WIDTH)	.099" MIN. STL.	SHT. 2
12	1	2	BOTTOM CHANNEL (FULL WIDTH)	.067" MIN. STL.	SHT. 2
13	1	2	CORE	VARY	SHT. 6
14	NOTE 2	NOTE 2	FRAME ANCHOR	VARY	ASTM A924
15	1	2	LOCKING HARDWARE: WS98/9927(F) EXIT DEVICE BY VON DUPRIN		SHT. 3
16	1	1	THRESHOLD 950 BY NGP	.078" ALUM. 6063 T6	SHT. 5
			THRESHOLD 666 BY ZERO INTL		
17	1	2	FAS-SEAL DOOR SWEEP	TPE	48" MAX
18	NOTE 12	NOTE 12	PS074 WEATHER STRIP (FULL LENGTH)	TPE	
19	0	2	SPLIT ASTRAGAL	SHEET 5	96" MAX
20	1	1	DOOR SEAL (FULL LENGTH)	SHEET 5	
21	1	2	DOOR SWEEP	SHEET 5	96" MAX
22	1	2	DOOR SWEEP	SHEET 5	48" MAX
23	1	2	ADJUSTABLE STOP	TPE	48" MAX

NOTES:
1. WEATHERSTRIPPING - INSTALL PER SHT.5.
2. ANCHOR REQUIREMENTS: SEE SHEET 4 FOR APPROVED ANCHOR INSTALLATION REQUIREMENTS. WHEN FOUR-SIDED FRAME IS USED SILL FRAME SECTION ANCHORED PER SILL DETAIL.
3. HINGE REQUIREMENTS:
   MIN. (4) HINGES FOR DOOR OPENING OVER 90" - 96" HIGH
   LOCATIONS: 9.75" FROM RABBET IN HEAD TO CL OF TOP HINGE
   10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN.
4. SEE SHEET 3 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
5. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
6. 4" FACE HEAD IS AVAILABLE.
7. APPLY CAULK AS NEEDED.
8. SEE SHEET 2 FOR SECTION A-A AND B-B.
9. EXIT HARDWARE OPTIONS: FUNCTIONS E, RX, LX, SS, EL, CX, F (SEE NOTE 10)
   TRIM: ALL APLICABLE TRIMS AVAILABLE.
10. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
11. OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTARY MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICE AND/OR INHIBIT EGRESS, TO BE REVIEWED BY CORRESPONDING AUTHORITY
12. ITEMS 20 THROUGH 24 REQUIRED ONLY IF WATER INFILTRATION IS NEEDED.
13. AIR INFILTRATION (THERMAL EFFICIENCY) IS NOT PART OF THIS APPROVAL.

9/12/11
Gordon Thomas, P.E. Date
3759 Blossom Court
Mason, OH 45040
Florida # 48718

THIRD ANGLE PROJECTION

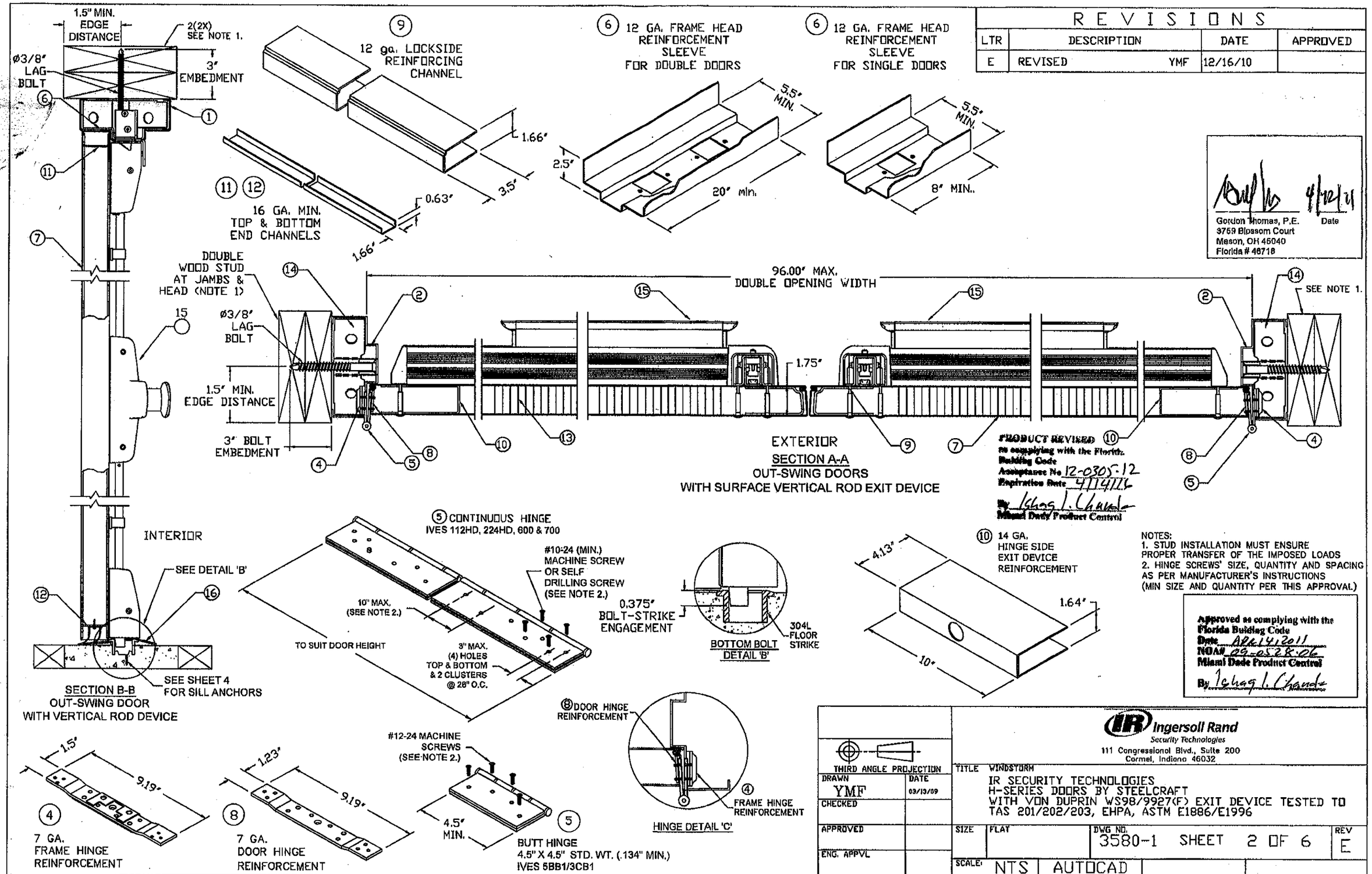
DRAWN	YMF	DATE 03/13/09
CHECKED		
APPROVED		
ENG. APPVL		

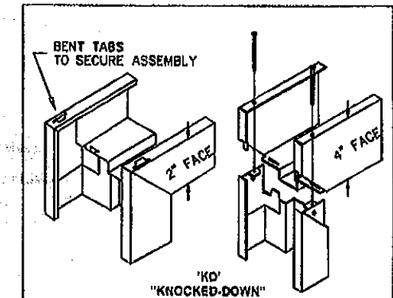
Ingersoll Rand
Security Technologies
111 Congressional Blvd., Suite 200
Carmel, Indiana 46032

TITLE WINDSTORM
IR SECURITY TECHNOLOGIES OUTSWING COMMERCIAL STEEL H-SERIES DOORS BY STEELCRAFT WITH VON DUPRIN WS98/9927(F) EXIT DEVICE TESTED TO HVHZ TAS 201/202/203

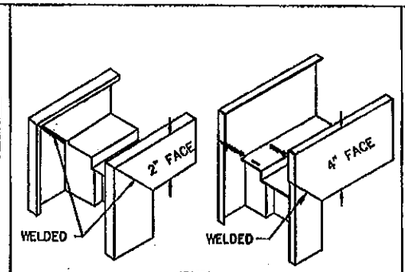
SIZE	FLAT	DWG NO. 3580-1 SHEET 1 OF 6	REV E
SCALE: NTS	AUTOCAD		

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
E	REVISED YMF	12/16/10	

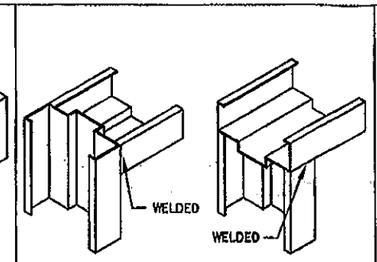




'KO'
"KNOCKED-DOWN"
ASSEMBLY

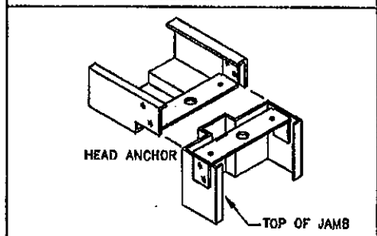


'SUA'
SET-UP AND ARC-WELDED
ASSEMBLY

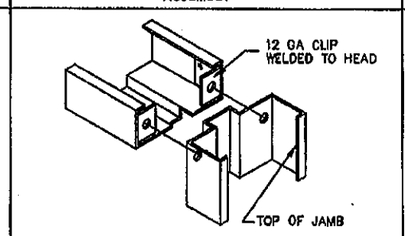


HEAD NOTCHED
AND BUTTED BETWEEN JAMBS

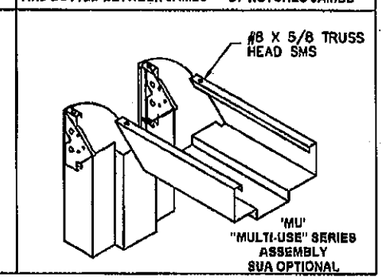
HEAD SITS ON TOP
OF NOTCHED JAMBS



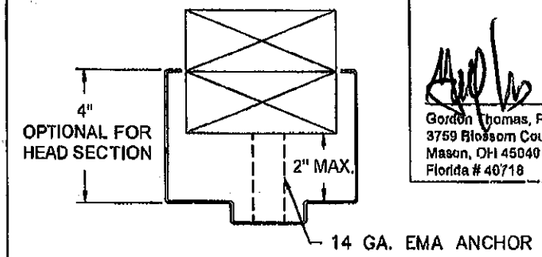
HEAD NOTCHED
AND BOLTED ON TOP OF JAMBS

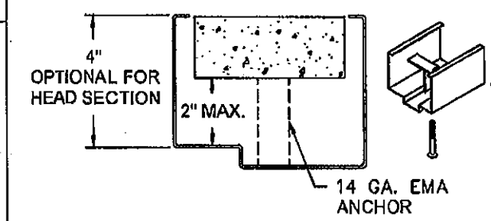


HEAD NOTCHED
AND BOLTED BETWEEN JAMBS



'MU'
"MULTI-USE" SERIES
ASSEMBLY
SUA OPTIONAL





OPTIONAL 4" FACE HEAD ANCHORING DETAILS
SEE NOTE 4.

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No 12-0305.12
Expiration Date 4/14/16
By Ishwar J. Chand
Miami-Dade Product Control

Gordon Thomas, P.E.
3759 Blossom Court
Mason, OH 45040
Florida # 40718
4/12/11
Date

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG YMF	03/13/09	
B	REVISION DWG YMF	01/19/10	
C	REVISION DWG YMF	07/16/10	
D	REVISION DWG YMF	08/05/10	
E	REVISION DWG YMF	12/06/10	

TABLE 2. AVAILABLE DOOR CONFIGURATIONS

CORE MATERIAL PER SHT.6	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	SNGL-4'0" DBL-8'0"	8'0"	CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	SNGL-4'0" DBL-8'0"	8'0"	STAINLESS STEEL	16/.053"

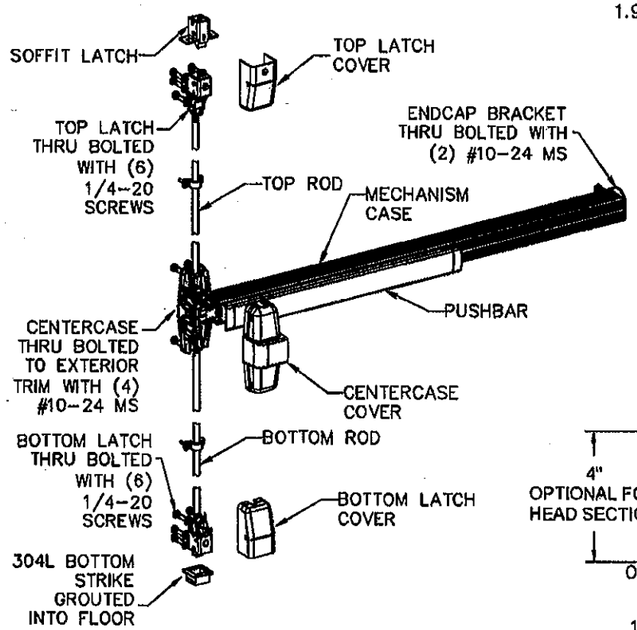
MINIMUM YIELD STRENGTH = 30,100 PSI
MINIMUM TENSILE STRENGTH = 44,700 PSI

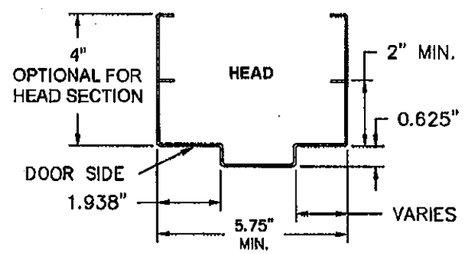
TABLE 3. AVAILABLE FRAME CONFIGURATIONS

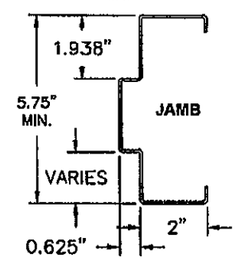
FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" MIN.	SNGL-4'0" DBL-8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" MIN.	SNGL-4'0" DBL-8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067"

MINIMUM YIELD STRENGTH = 26,500 PSI
MINIMUM TENSILE STRENGTH = 46,000 PSI

SURFACE VERTICAL ROD EXIT DEVICE
WS98/9927(F) BY VON DUPRIN







TYPICAL FRAME PROFILE
DOUBLE RABBET

AVAILABLE DOOR PANEL CONFIGURATIONS

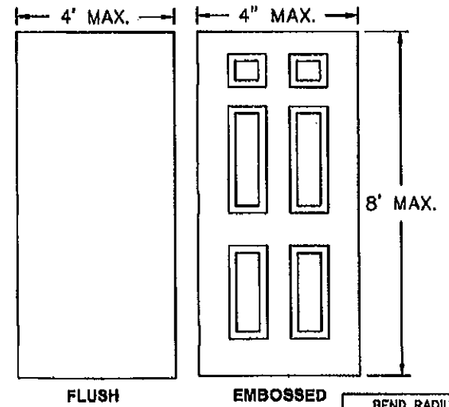
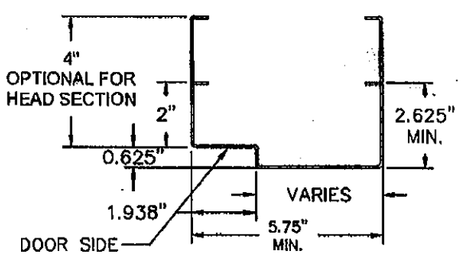


TABLE 4.

CRS ASTM A1008
HRS ASTM A1011
GALV: A60 ASTM A924
STL: 304,306 ASTM A240

NOTES:
1. DOOR CONSTRUCTION
1.1. MINIMUM DOOR THICKNESS – 1 3/4"
1.2. MAXIMUM DOOR SIZE IS 4' X 8" FOR SINGLE AND 8' X 8' FOR DOUBLE OPENING
1.3. PEEP-HOLES AND 1" DIA. DOOR VIEWERS ARE ALLOWED
2. FRAME CONSTRUCTION
1.1. MINIMUM JAMB DEPTH – 5 3/4", STOP HEIGHT – 5/8"
2.2. FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULT-USE (MU-SERIES) (SEE TABLE 3)
3. FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 4.
4. IN CASE OF 4" FACE HEAD PROFILE, HEAD MUST BE EITHER GROUTED WITH MORTAR OR A SUBSTRATE TO BE INCERTED TO MAINTAIN PROPER BOLT EMBEDMENT. USE EMA (EXISTING MASONRY ANCHOR) PER SHEET 4 OF 6.



OPTIONAL FRAME PROFILE
SINGLE RABBET

Approved as complying with the
Florida Building Code
Date APR 14, 2011
NOA# 09-0528.06
Miami-Dade Product Control
By Ishwar J. Chand

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	YMF	DATE 05/20/07
CHECKED		
APPROVED		
ENG. APPVL	JPD	10/12/07

Ingersoll Rand
Security Technologies

TITLE MIAMI-DADE PRODUCT APPROVAL
FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS

SIZE	FLAT	DWG NO.	REV
		3580-1	E

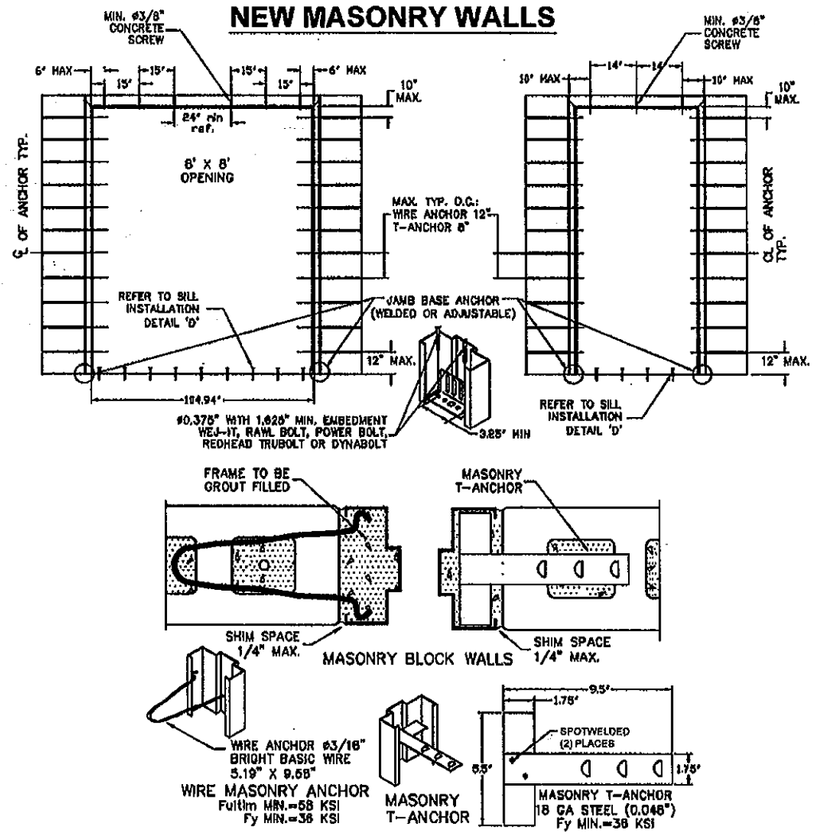
SCALE: NTS | AUTOCAD | SHEET 3 OF 6

REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	03/13/09	
B	REVISED_PER_MDBCCD	YMF	01/19/10	
D	REVISED_PER_MDBCCD	YMF	08/05/10	
E	REVISED_PER_MDBCCD	YMF	12/06/10	

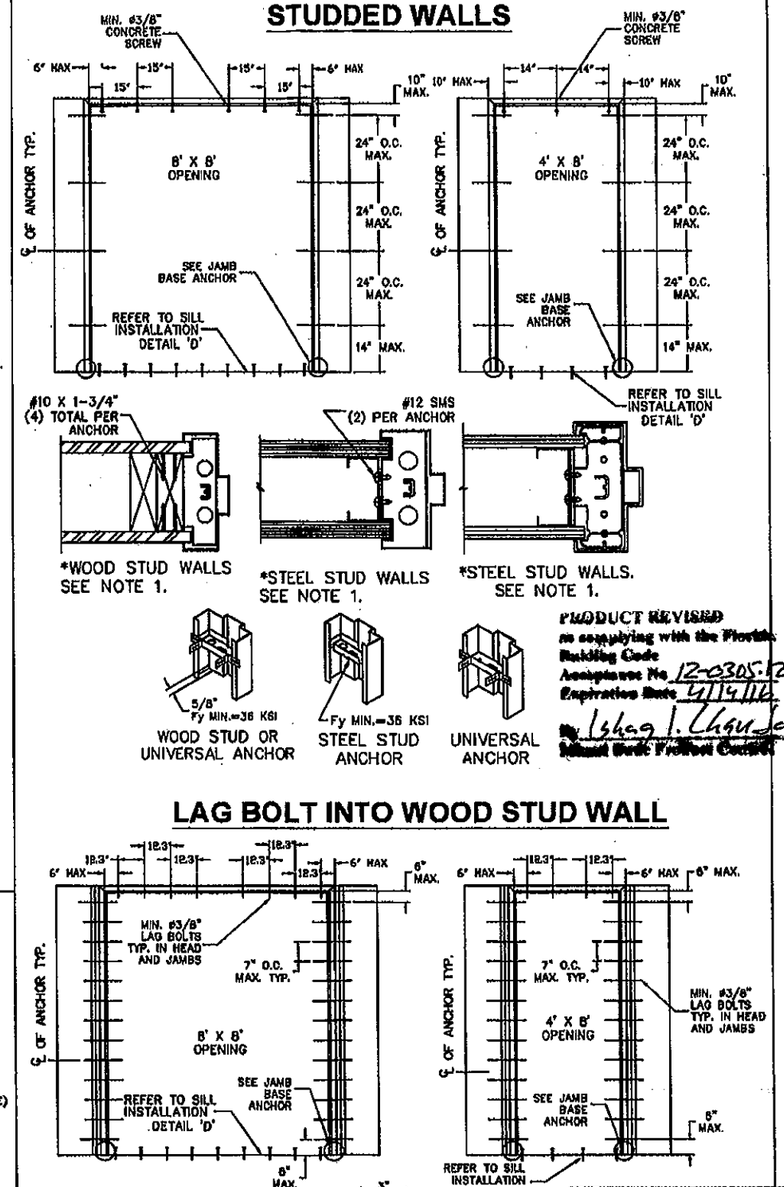
Approved as complying with the Florida Building Code
Date APR 14, 2011
NOA# 09-0528.06
Miami Dade Product Control
By Ishaq I. Chaudhe

Gordon Thomas, P.E. 9/12/11 Date
3769 Blossom Court
Mason, OH 45040
Florida # 46716

NEW MASONRY WALLS

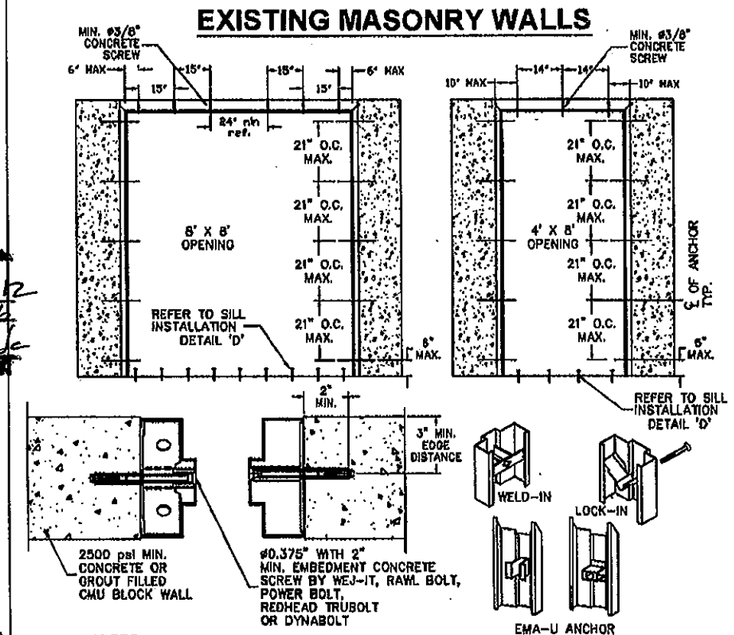


STUDDED WALLS



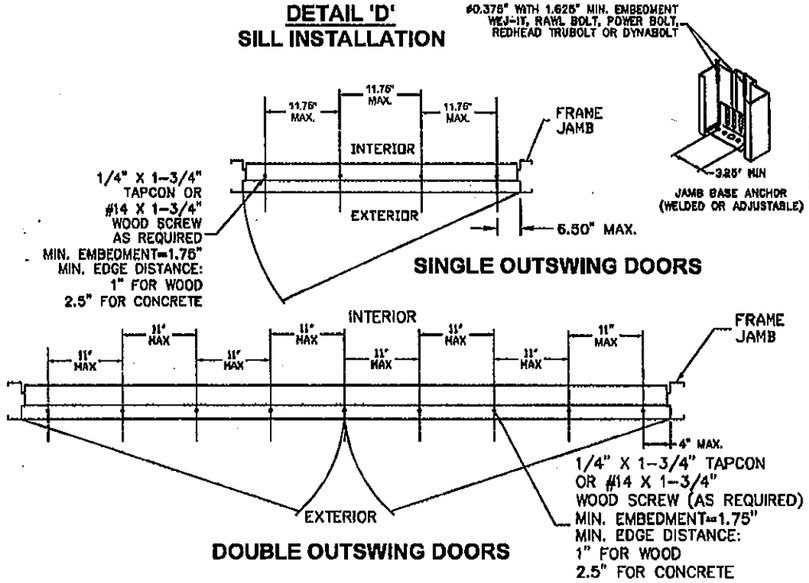
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-0305.02
Expiration Date 4/14/16
By Ishaq I. Chaudhe
Miami Dade Product Control

EXISTING MASONRY WALLS

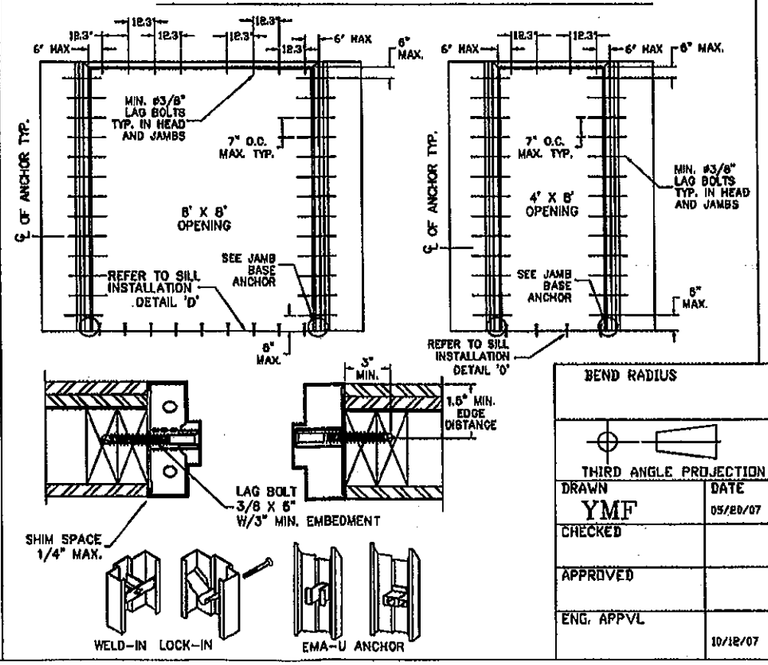


NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 624#/FT. FOR ASSEMBLIES RATED @150 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.APPLY CAULK AS NEEDED.

DETAIL 'D' SILL INSTALLATION



LAG BOLT INTO WOOD STUD WALL



BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	YMF	DATE 05/20/07
CHECKED		
APPROVED		
ENG. APPVL		10/12/07

Ingersoll Rand
Security Technologies

TITLE MIAMI-DADE PRODUCT APPROVAL

ANCHOR DETAILS / INSTALLATION CONDITIONS

SIZE	FLAT	DWG NO.	REV
		3580-1	E
SCALE: NTS	AUTOCAD		SHEET 4 OF 6

TABLE 5.

PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES APPLY. Design Pressure +/-75 PSF Max.

ITEM NUMBER SHT 1. TABLE 1	DESCRIPTION	MODEL No./ MANUFACTURER	PART DETAIL	INSTALLATION DETAIL
16	THRESHOLD with neoprene or bulb gasket	566/ZERO INT'L	'E1'	'W1'
		950/NGP	'E2'	'W2'
17	FAS-SEAL SWEEP	STEELCRAFT	'G'	'W1' & 'W2'
19	SPLIT ASTRAGAL	328/ZERO INT'L	'P1'	'V'
		137/NGP	'P2'	
18 OR 20	SELF ADHESIVE DOOR SEAL	8144F/ZERO INT'L	'H'	'U' & 'T1'
		PS074/STEELCRAFT	'F'	
21	DOOR SWEEP	539/ZERO INT'L	'J1'	'T'
		202N/NGP	'J2'	
22	DOOR SWEEP	139/ZERO INT'L	'K'	'W1'
23	ADJUSTABLE STOP	476/ZERO INT'L	'L1'	'U'
		170N/NGP	'L2'	
24	RAIN DRIP CAP	11/ZERO INT'L	'M1'	'W1'
		16A/NGP	'M2'	'W2'
25	DOOR TOP CAP	STEELCRAFT	'N'	'U'

TABLE 6.

PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES NOT APPLY. Design Pressure +/-150 PSF Max.

ITEM NUMBER SHT. 1 TABLE 1	DESCRIPTION	MODEL No. MANUFACTURER	PART DETAIL	INSTALLATION DETAIL
16	THRESHOLD with neoprene or bulb gasket	566 BY ZERO INT'L	'E1'	'R'
		950 BY NATIONAL GUARD	'E2'	
17	FAS-SEAL DOOR SWEEP	STEELCRAFT	'G'	'R'
19	SPLIT ASTRAGAL	328 BY ZERO	'P1'	'V'
		137 BY NGP	'P2'	
18	PS-074 SELF ADHESIVE WEATHERSTRIPPING	STEELCRAFT	'F'	'Q' & 'S'
25	DOOR TOP CAP	STEELCRAFT	'N'	OPTIONAL

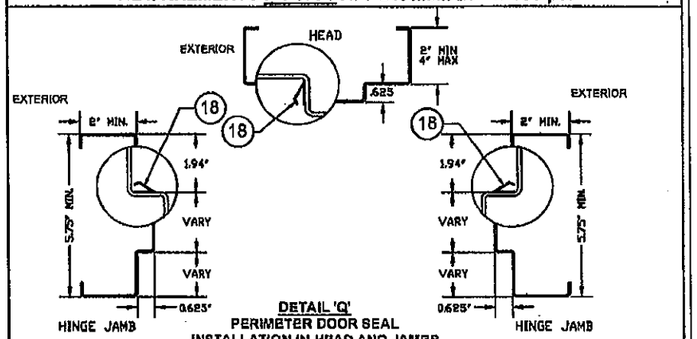
Gordon Thomas, P.E.
3759 Blossom Court
Mason, OH 45040
Florida # 46718

9/12/11
Date

REVISIONS

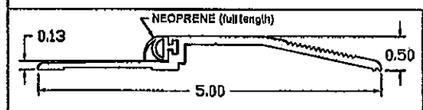
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	03/13/09	
B	REVISION DWG	YMF	01/19/10	
C	REVISION DWG	YMF	07/16/10	
D	REVISION DWG	YMF	08/05/10	
E	REVISION DWG	YMF	12/06/10	

PERIMETER SEAL INSTALLATION DETAILS WHEN WATER INFILTRATION REQUIREMENTS DO NOT APPLY. Max. DP=+/-150 psf

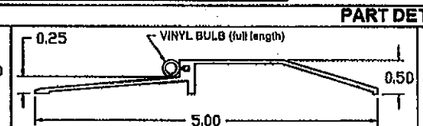


DETAIL 'Q'
PERIMETER DOOR SEAL
INSTALLATION IN HEAD AND JAMBS

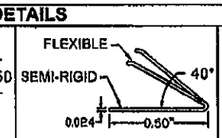
PART DETAILS



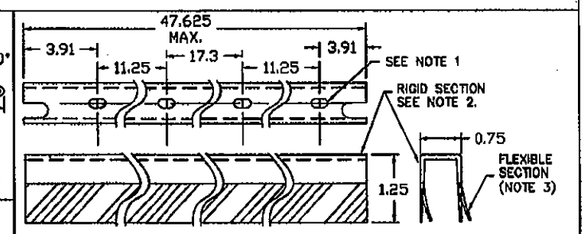
16 DETAIL 'E1'
TYPE 1 THRESHOLD
ZERO INT'L 566 SERIES



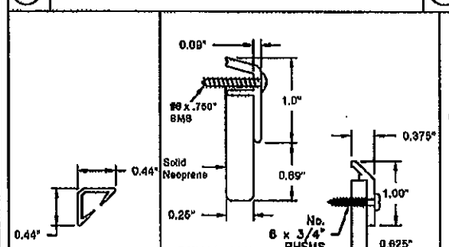
16 DETAIL 'E2'
TYPE 2 THRESHOLD
NATIONAL GUARD 950 SERIES



18 DETAIL 'F'
PS-074
SELF-ADHESIVE
WEATHERSTRIPPING



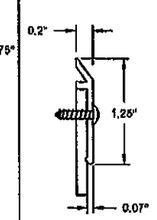
17 DETAIL 'G'
FAS-SEAL DOOR SWEEP



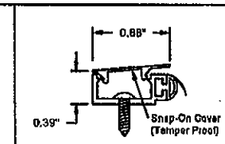
20 DETAIL 'H'
8144F
DOOR SEAL

21 DETAIL 'J1'
ZERO 539
DOOR SWEEP

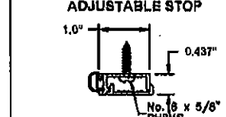
DETAIL 'J2'
NGP 202
DOOR SEAL



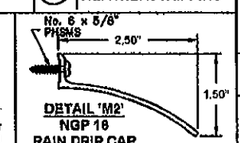
22 DETAIL 'K'
139
DOOR SWEEP



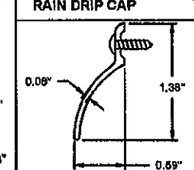
DETAIL 'L1'
ZERO 476
ADJUSTABLE STOP



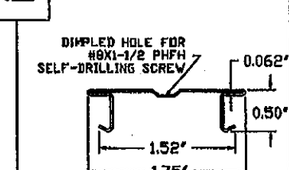
23 DETAIL 'L2'
NGP 170N
ADJUSTABLE STOP



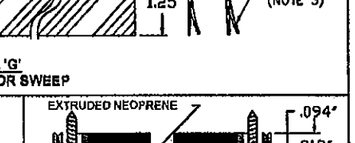
DETAIL 'M2'
NGP 16
RAIN DRIP CAP



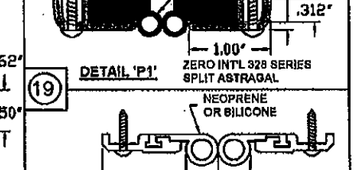
24 DETAIL 'M1'
ZERO 11
RAIN DRIP CAP



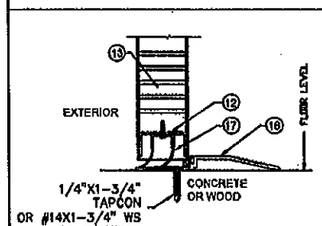
25 DETAIL 'N'
24 GA TOP CAP



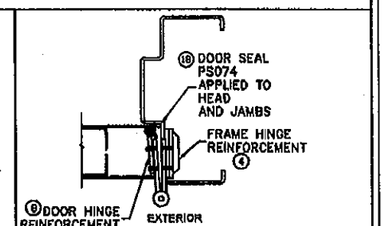
19 DETAIL 'P1'
ZERO INT'L 328 SERIES
SPLIT ASTRAGAL



DETAIL 'P2'
NATIONAL GUARD
137 SERIES SPLIT ASTRAGAL



DETAIL 'R'
BOTTOM OF DOOR
WEATHERSTRIPPING AND SILL INSTALLATION



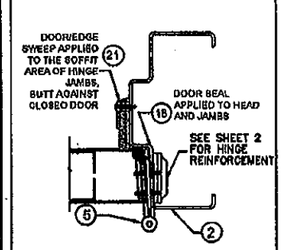
HINGE DETAIL 'S'
HINGE SIDE
WEATHERSTRIPPING INSTALLATION

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0305.12
Expiration Date 4/14/16
By Ishaq I. Chaudhry
Miami Dade Product Control

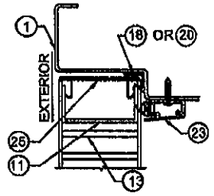
Approved as complying with the Florida Building Code
Date APR 14, 2011
NOA# 09-0528.06
Miami Dade Product Control
By Ishaq I. Chaudhry

NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
4. FAS-SEAL DOOR SWEEP (14), AND THRESHOLD (11) ARE REQUIRED FOR ALL INSTALLATIONS.

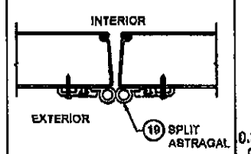
PERIMETER SEAL INSTALLATION DETAILS WHEN WATER INFILTRATION REQUIREMENTS APPLY. Max DP=+/-75 psf



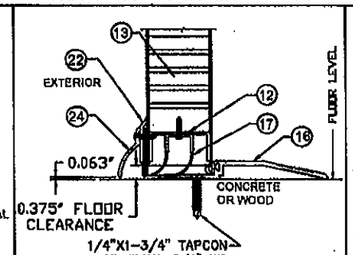
DETAIL 'T'
HINGE JAMB
SWEEP INSTALLATION



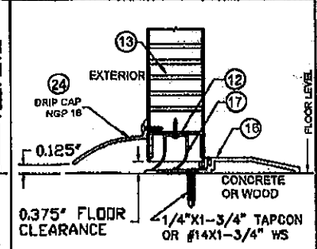
DETAIL 'U'
TOP OF DOOR/HEAD
WEATHERSTRIPPING
WHEN WATER INFILTRATION
REQUIREMENTS APPLY



DETAIL 'V'
MEETING EDGES
SPLIT ASTRAGALS



DETAIL 'W1'
BOTTOM OF DOOR
ZERO WEATHERSTRIPPING
AND SILL INSTALLATION



DETAIL 'W2'
BOTTOM OF DOOR
NGP WEATHERSTRIPPING
AND SILL INSTALLATION

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	YMF	DATE 05/20/07
CHECKED		
APPROVED		
ENG. APPVL	JPD	10/11/07

Ingersoll Rand
Security Technologies

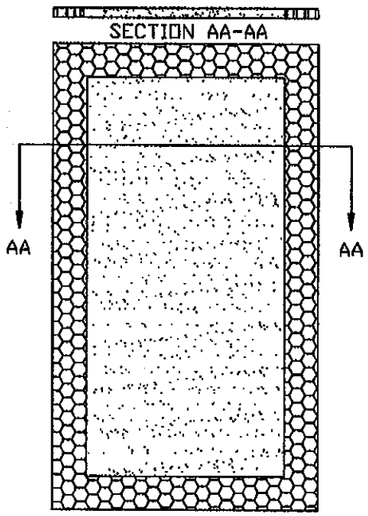
TITLE MIAMI-DADE PRODUCT APPROVAL

DOUBLE FLUSH DOOR PERIMETER SEAL HARDWARE.

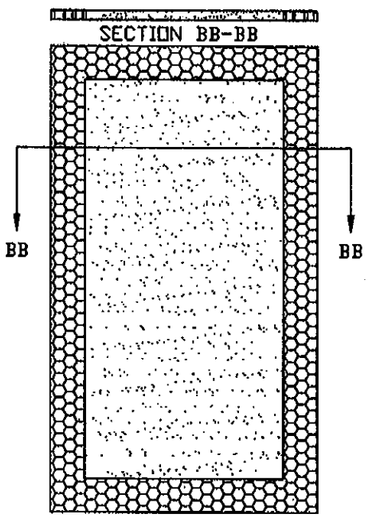
SIZE	FLAT	DWG NO.	REV
		3580-1	E

SCALE: NTS | AUTOCAD | SHEET 5 of 6

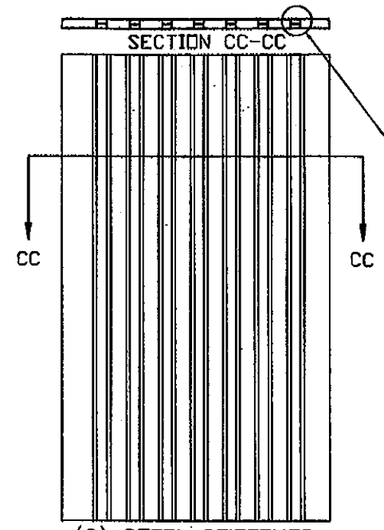
REVISIONS					
LTR	DESCRIPTION			DATE	APPROVED
B	ADDED	SHEET	YMF	01/19/10	
C	ADDED	SHEET	YMF	07/16/10	
D	ADDED	SHEET	YMF	08/05/10	
E	ADDED	SHEET	YMF	12/06/10	



(A) POLYSTYRENE

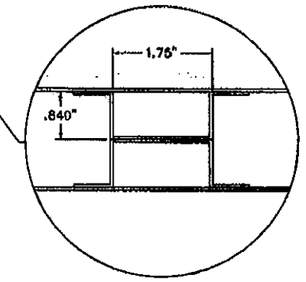


(B) POLYISOCYANURATE
ELFOAM H200
BY ELLIOT Co. DENSITY: 2 LBS/FT^3



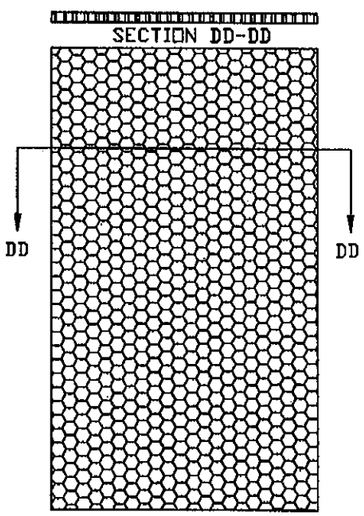
(C) STEEL STIFFENED
HAT SHAPED SECTIONS
22 GA. MIN.

DETAIL 'Y'

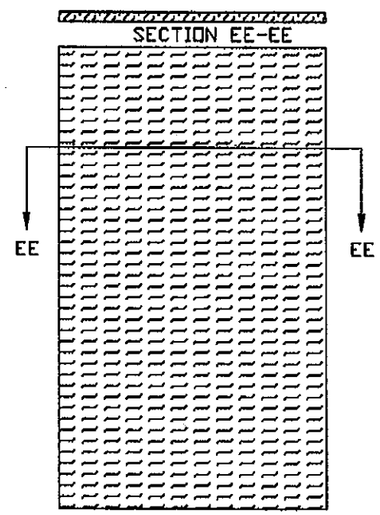


HAT SHAPED
STIFFENERS
SPOTWELDED
6" O.C. TO INSIDE
OF FACE SHEETS
AND WELDED TOGETHER
AT TOP AND BOTTOM

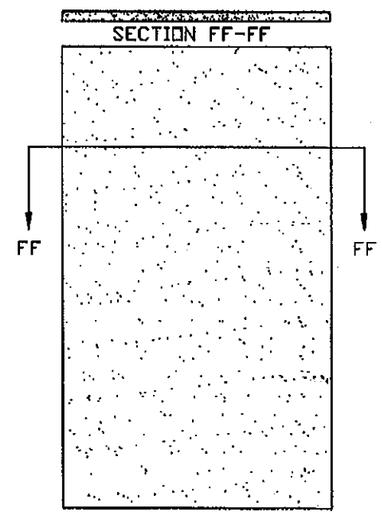
CORE OPTIONS



(D) HONEYCOMB
KRAFT PAPER
PHENOLIC RESIN IMPREGNATED



(E) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY: 17±1.5 LBS/FT^3



(F) ~~HUNTSMAN CHEMICAL CORP.~~ N/A
EXPANDED POLYSTYRENE FOAM
~~GRADES 54/86~~, DENSITY: 1.0 LB/FT^3
OR POLYISOCYANURATE H200
BY ELLOIT Co. DENSITY: 2 LBS/FT^3

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0305.12
Expiration Date APR 14, 2016
By Ishaq I. Chanda
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date APR 14, 2011
NOA# 07-0528.06
Miami Dade Product Control
By Ishaq I. Chanda

9/12/11
Gordon Thomas, P.E. Date
3758 Blossom Court
Mason, OH 45040
Florida # 46716.

NOTE:
CORE MATERIAL SHOWN WITHOUT REINFORCEMENTS.

BEND RADIUS	Ingersoll Rand Security Technologies		
THIRD ANGLE PROJECTION	TITLE MIAMI-DADE PRODUCT APPROVAL		
DRAWN YMF / DATE 05/20/07	DOOR CORE OPTIONS		
CHECKED			
APPROVED	SIZE FLAT	DWG NO. 3580-1	REV E
ENG. APPVL / 10/18/07	SCALE: NTS	AUTOCAD	SHEET 6 OF 6