

NOTICE OF ACCEPTANCE (NOA)

**ASSA Abloy Door Group Inc.,
dba Fleming-Baron Door Products
101 Ashbridge Circle,
Woodridge, Ontario,
Canada L4L 3R5**

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 BNC -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. BNC 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: Series "D18/F16" Outswing Steel Doors -L.M.I.

APPROVAL DOCUMENT: Drawing No. 11-027, titled "Out-swing Steel Doors", sheets 1, 1A, 1B, 2, 2A, 3 through 08 of 08, dated 03/17/11 and last revised on 05-16-11, prepared by Tilteco Inc., 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**Limitation:**

1. See sheets 1A & 1B for applicable hardware, anchors & substrates for Single doors assembly A, B & C and sheets 2 & 2B for Double doors assemblies #1, #2 and #3.
2. Yale M-200 removable mullion is applicable with Yale 2150 Rim Panic Exit with pair of doors (Assembly #1)

LABELING: Each unit shall bear a permanent label with the Followings:

ASSA Abloy Door Group, Woodbridge, Ontario, Canada, Baron Series D18/F16 and statement "Miami-Dade County Product Control Approved".

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 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.**

5/31/11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **11-027**, titled "Out-swing Steel Doors", sheets 1, 1A, 1B, 2, 2A, 3 through 08 of 08, dated 03/17/11 and last revised on 05-16-11, prepared by Tilteco Inc., 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) Water Resistance Test, per FBC, TAS 202-94
 - 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
 - 7) Tensile Test report per ASTM E8-08

Along with marked-up drawings and installation diagram of outswing steel door, prepared by Architectural Testing, Test Report No. **A1757.01-201-18**, dated 06/14/10, signed and sealed by Joseph A. Reed, P. E.

Note: The Test report has addendum referenced to construction and installation of removable mullion marked-up drawings issued by Architectural Testing dated 05/19/11, signed and sealed by Joseph A. Reed, P. E.

C. CALCULATIONS

1. Anchor Calculation and Structural analysis complying w/ FBC 2007, prepared by Tilteco, Inc., dated 03/08/11, signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

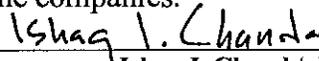
1. Tensile test report (Per item B (1)(7) above).
2. Notice of Acceptance No. **07-1107.08** issued to Dyplast Product, LLC (Former Apache Products Co.) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/12.

F. STATEMENTS

1. Statement letter of compliance to FBC 2007 and "No financial interest", both dated 03/15/11 issued by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P.E.
2. Statement of lab compliance, as part of the test report.
3. Certificate of "Baron Metal Ind. Inc" name change amendment #2089394 dated Jan 01, 2010, issued to ASSA Abloy Door Group by Province of Ontario, Ministry of Government Services, Canada.
4. Certificate of "Amalgamation" #1813324, issued to ASSA Abloy Door Group between AAC Acquisition Inc, ASSA Abloy Door Group Inc. and Fleming Door Products LTD, issued by Province of Ontario, Ministry of Government Services, Canada on Jan 01, 2010.

G. OTHER

1. Test proposal dated 04/29/10 approved by BCCO.
2. Manufacturer/Distributor agreement between ASSA Abloy Door Group Inc dba Fleming-Baron Door Products, Canada and AADG Inc., New Haven, CT, USA, signed by Shane Magee and Jeffery A. Mereschuk, respective officials of the companies.


Ishaq I. Chandá, P.E.
Product Control Examiner
NOA No 11-0322.01
Expiration Date: June 09, 2016
Approval Date: June 09, 2011

GENERAL NOTES AND SPECIFICATIONS:

1. BARON BRAND SINGLE & PAIR OUT-SWING STEEL DOOR, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE.

DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (MIAMI-DADE / BROWARD COUNTIES). IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE LOADS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. HOWEVER, FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2005. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. THIS DOOR'S ADEQUACY FOR WIND AND IMPACT LOAD HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203 AS PER ARCHITECTURAL TESTING LABORATORY REPORT #A1757.01-201-18 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1612 OF THE FLORIDA BUILDING CODE.

DESIGN PRESSURE RATING: +70.0, -70.0 PSF (SEE GENERAL NOTES #2 & #3)

2. THIS DOOR WAS TESTED FOR AIR INFILTRATION, BUT NOT FOR WATER INFILTRATION, THEREFORE DESIGN PRESSURE RATING INDICATED ON GENERAL NOTE #1 IS APPROVED FOR WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED. WHERE WATER INFILTRATION IS NEEDED, DESIGN PRESSURE RATING INDICATED ON GENERAL NOTE #1 IS APPROVED ONLY WHEN CANOPY IS PROVIDED IMMEDIATELY ABOVE THE DOOR LOCATION COVERING THE ENTIRE WIDTH OF DOOR AND PROJECTING OUT A DISTANCE EQUAL OR LARGER THAN THE DOORS HEIGHT. NOT APPROVED IF THE ABOVE CONDITION IS NOT COMPLIED WITH.

3. SEE SHEETS 1B AND 1A FOR DESIGN PRESSURE RATING LIMITATIONS FOR INSTALLATIONS INTO WOOD.

4. ALL COMPONENTS SHALL BE AS SPECIFIED ON APPLICABLE DETAIL SHEETS AND AT BILL OF MATERIALS (SHEET 8) OF THIS DRAWING.

5. COMPLIANCE OF EGRESS / ESCAPE REQUIREMENTS OF THESE DOORS PER FLORIDA BUILDING CODE TO BE DETERMINED BY BUILDING OFFICIALS ON A CASE-BY-CASE BASIS.

6. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 AND SECTION 2411.3.3.4 OF THE FLORIDA BUILDING CODE 2007 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH.

7. ALL WELDING TO CONFORM W/AMERICAN WELDING SOCIETY A.W.S. D.1.3 AND D-19.0 REGULATIONS. USE E 60XX ELECTRODES.

8. ALL ANCHORS FOR DOOR FRAME CONNECTIONS TO EXISTING STRUCTURE SHALL BE AS SPECIFIED ON SHEETS 3 AND 4 OF THIS DRAWING. MAXIMUM ANCHORS SPACINGS SHALL BE AS PER ELEVATIONS ON SHEETS 1B AND 2A. SEE SHEETS 3, 4 & 7 FOR THRESHOLD ANCHORS, AND SHEET 4 FOR REMOVABLE MULLION ANCHORS.

9. PROVIDE 1/8" MAX. LOAD BEARING SHIM (TYP.), WHEN ALLOWED BY THIS P.A.D.

10. THIS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

11. PROVIDE SPECIFIED SEALANT AT ALL DOOR FRAME AND THRESHOLD COMPONENTS INDICATED ON THIS DRAWING.

12. (a) THIS PRODUCT APPROVAL DOCUMENT (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. IN HIGH VELOCITY HURRICANE ZONE; ONE TIME PRODUCT APPROVAL SHALL BE OBTAINED FROM MIAMI DADE COUNTY

(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 PRODUCT APPROVAL DOCUMENT (P.A.D.) WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D., AND SHALL BE REVIEWED BY AUTHORITY HAVING JURISDICTION (AHJ)

(e) ORIGINAL P.A.D. SHALL BEAR THE DATE, SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

13. DOOR'S MANUFACTURER AND DISTRIBUTOR LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION.

ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:

FLEMING-BARON DOOR PRODUCTS

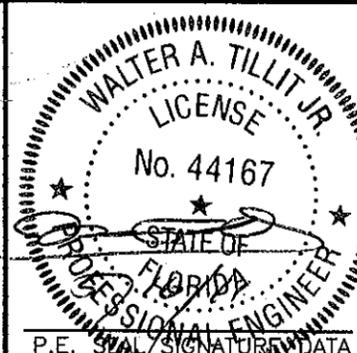
101 ASHBRIDGE CIRCLE, WOODBRIDGE, ON, CANADA.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

INDEX:

- SHEET NO. 1:** GENERAL NOTES AND SPECIFICATIONS.
- SHEET NO. 1A:** ASSEMBLY ELEVATIONS A, B & C FOR SINGLE DOOR.
- SHEET NO. 1B:** ANCHOR LOCATIONS FOR ASSEMBLIES A, B & C FOR SINGLE DOOR.
- SHEET NO. 2:** ASSEMBLY ELEVATIONS 1, 2 & 3 FOR PAIRED DOOR.
- SHEET NO. 2A:** ANCHOR LOCATION FOR ASSEMBLIES 1, 2 & 3 FOR PAIRED DOOR.
- SHEET NO. 3:** HORIZONTAL AND VERTICAL SECTIONS.
- SHEET NO. 4:** HORIZONTAL AND VERTICAL SECTIONS (CONTINUED).
- SHEET NO. 5:** PANEL AND DOOR REINFORCEMENTS CONSTRUCTION DETAILS FOR SINGLE AND PAIRED DOORS.
- SHEET NO. 6:** FRAME CONSTRUCTION DETAILS FOR SINGLE AND PAIRED DOORS.
- SHEET NO. 7:** WEATHERSTRIP DETAILS FOR SINGLE AND PAIRED DOORS.
- SHEET NO. 8:** BILL OF MATERIALS.

Approved as complying with the Florida Building Code
Date JUNE 05, 2011
NOAS 11-0322-01
Miami Dade Product Control
By Iskay I. Uquch

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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

BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
LARGE & SMALL MISSILE IMPACT

DRAWN BY:
M.C.V.

ASSA ABLOY DOOR GROUP INC.
dba
FLEMING-BARON DOOR PRODUCTS

03/17/11
DATE

101 ASHBRIDGE CIRCLE
WOODBRIDGE, ON, CANADA
(416) 749-2111 FAX: (905) 851-8348

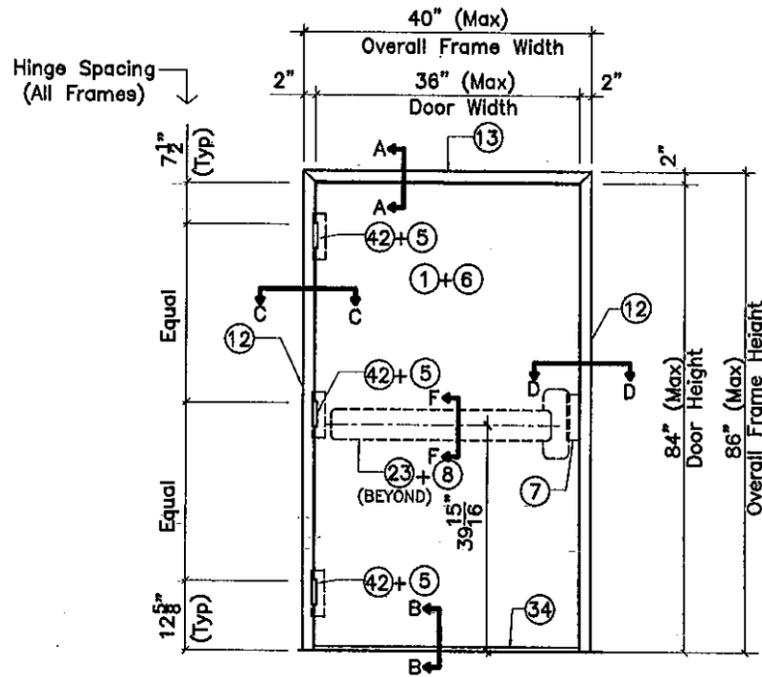
11-027
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2	-	-	4	-	-

OUT-SWING SINGLE DOOR APPLICATIONS FOR ASSEMBLIES A, B & C

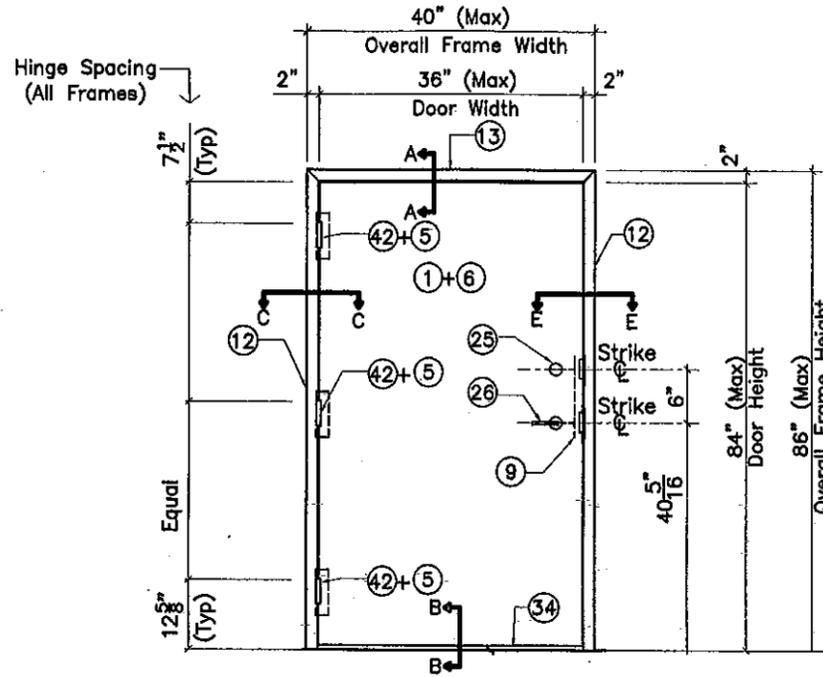
N.T.S.

- See sheet #1B for anchor locations in different substrates
- See Sheet #3 for Vertical and Horizontal Sections
- See Sheet #5 for Door Construction details
- See Sheet #6 for Frame Construction details
- See Sheet #7 for Weather-Strip details & allowed combinations



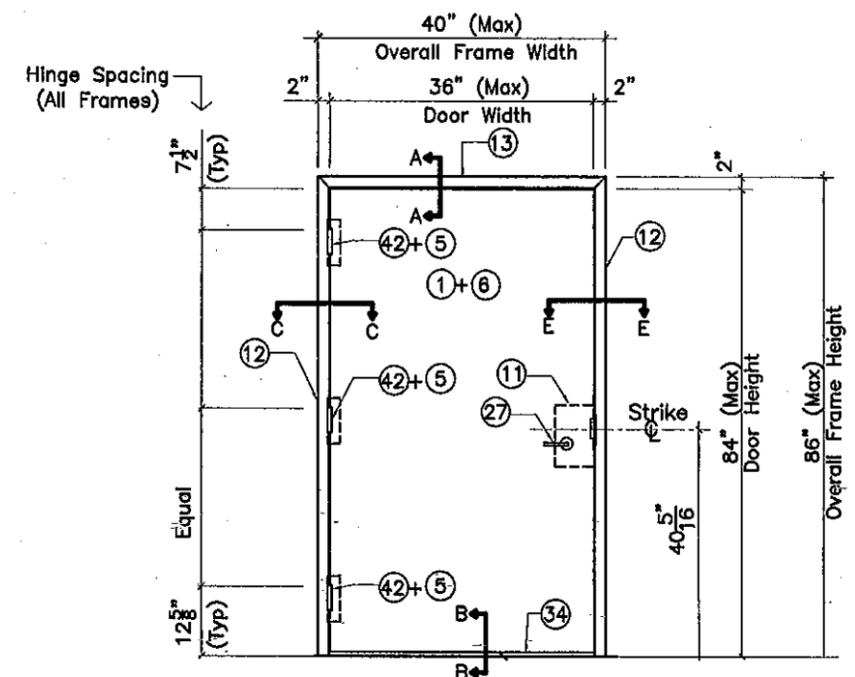
OUTSWING SINGLE
(Exterior View)
16 Ga. Knocked-Down Frame
18 Ga. Polystyrene Core Door
(1) 23 Yale 2150(F)WS Rim Exit Device

ASSEMBLY ELEVATION A



OUTSWING SINGLE
(Exterior View)
16 Ga. Knocked-Down Frame
18 Ga. Polystyrene Core Door
25 Yale 4607LN Series Cylindrical Lock, 26 Yale D200 Dead Bolt
+ 15 ASA Strike x Small ASA No Lip Strike

ASSEMBLY ELEVATION B



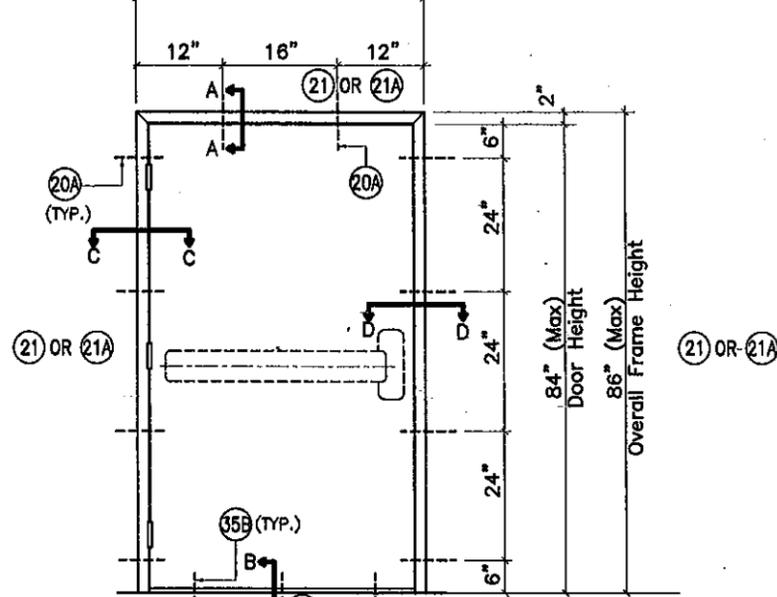
OUTSWING SINGLE
(Exterior View)
16 Ga. Knocked-Down Frame
18 Ga. Polystyrene Core Door
27 Yale 8800 Series Mortise Lock + ASA Strike

ASSEMBLY ELEVATION C

<p>Approved as complying with the Florida Building Code Date <u>June 09, 2011</u> NOAH 11-0322-01 Official Date Product Control By <u>Isung I. Chang</u></p>			<p>FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)</p>	
<p>MIAMI-DADE COUNTY</p>			<p>©2011 TILTECO, INC.</p> <p>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305 - VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167</p>	<p>BARON BRAND SINGLE & PAIR OUT-SWING STEEL DOORS LARGE & SMALL MISSILE IMPACT</p> <p>ASSA ABLOY DOOR GROUP INC. dba FLEMING-BARON DOOR PRODUCTS</p> <p>101 ASHBURIDGE CIRCLE WOODBRIDGE, ON, CANADA (416) 749-2111 FAX: (905) 851-8348</p>
<p>REV. No DESCRIPTION DATE REV. No DESCRIPTION DATE</p> <p>1 GENERAL 05/13/11 3 - -</p> <p>2 - - 4 - -</p>		<p>SHEET 1A OF 8</p>		

OUT-SWING SINGLE DOOR ANCHOR LOCATIONS IN DIFFERENT SUBSTRATES FOR ASSEMBLIES A, B & C

40" (Max) Overall Frame Width

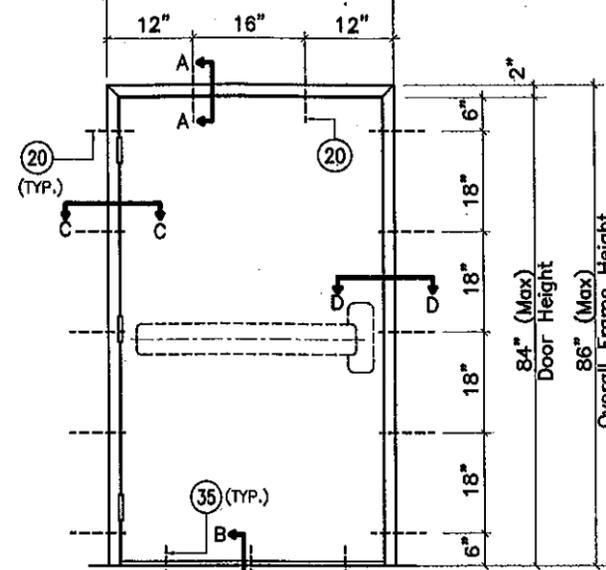


Threshold Floor Anchor Spacing → 6" 12" 12" 6" ← Wall Anchor Spacing

CONNECTION TO (21) CONCRETE OR (21A) GROUT FILLED CONCRETE BLOCK W/ ±70.0 psf DESIGN PRESSURE RATING

N.T.S.

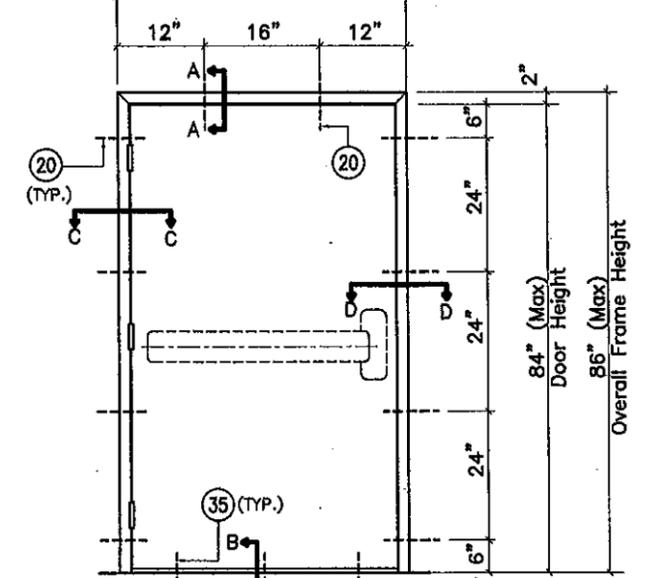
40" (Max) Overall Frame Width



Threshold Floor Anchor Spacing → 6" 12" 12" 6" ← Wall Anchor Spacing

CONNECTION TO (21B) ALL AROUND WOOD W/ ±70 psf DESIGN PRESSURE RATING

40" (Max) Overall Frame Width

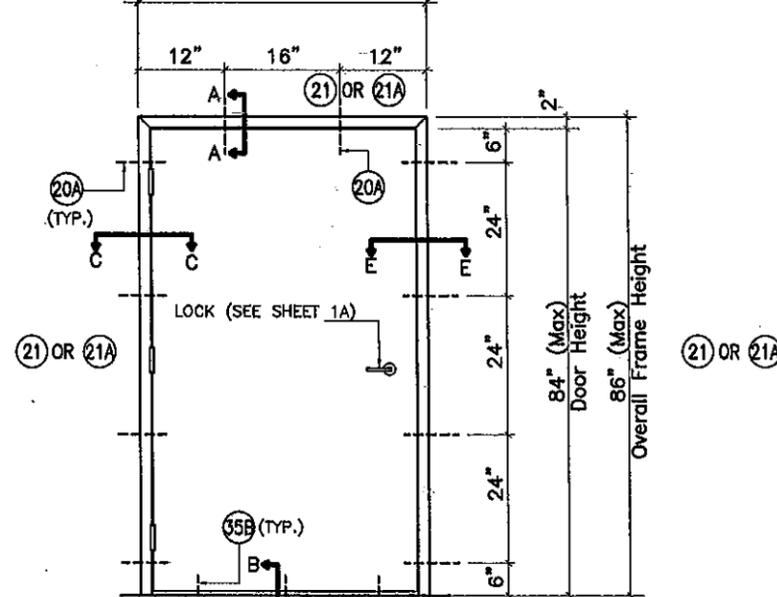


Threshold Floor Anchor Spacing → 6" 12" 12" 6" ← Wall Anchor Spacing

CONNECTION TO (21B) WOOD ALL AROUND W/ ±66.5 psf DESIGN PRESSURE RATING

ASSEMBLY A

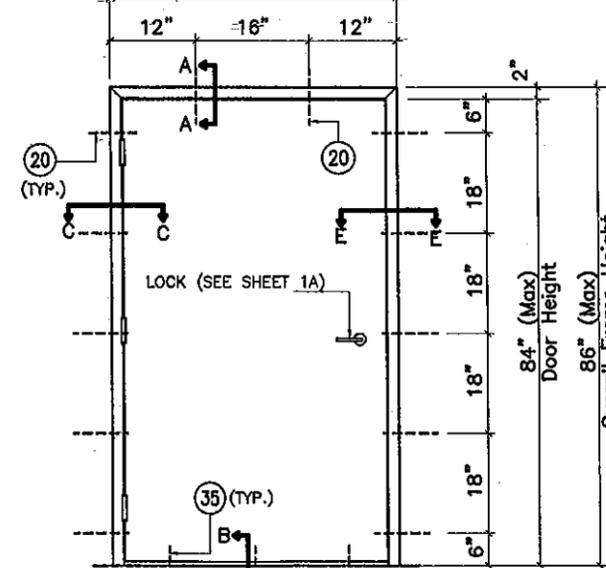
40" (Max) Overall Frame Width



Threshold Floor Anchor Spacing → 6" 12" 12" 6" ← Wall Anchor Spacing

CONNECTION TO (21) CONCRETE OR (21A) GROUT FILLED CONCRETE BLOCK W/ ±70.0 psf DESIGN PRESSURE RATING

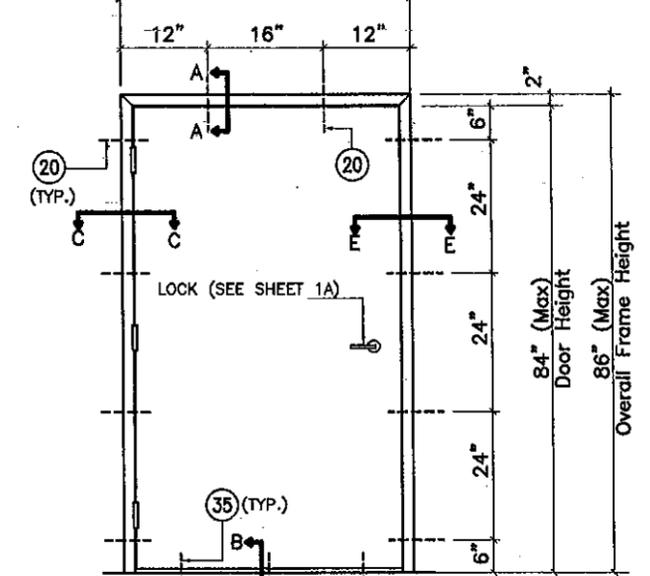
40" (Max) Overall Frame Width



Threshold Floor Anchor Spacing → 6" 12" 12" 6" ← Wall Anchor Spacing

CONNECTION TO (21B) WOOD ALL AROUND W/ ±70 psf DESIGN PRESSURE RATING

40" (Max) Overall Frame Width



Threshold Floor Anchor Spacing → 6" 12" 12" 6" ← Wall Anchor Spacing

CONNECTION TO (21B) WOOD ALL AROUND W/ ±66.5 psf DESIGN PRESSURE RATING

ASSEMBLIES A, B & C

- See Sheet #3 for Vertical and Horizontal Sections
- See Sheet #5 for Door Construction details
- See Sheet #6 for Frame Construction details
- See Sheet #7 for Weather-Strip details & allowed combinations

Approved as complying with the Florida Building Code
Date June 09, 2011
NOA# 11-0322-01
Miami Dade Product Control
By Isung I. Chang
MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
ESTATE OF
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILLIT TESTING & ENGINEERING COMPANY
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BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
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ASSA ABLOY DOOR GROUP INC.
dba
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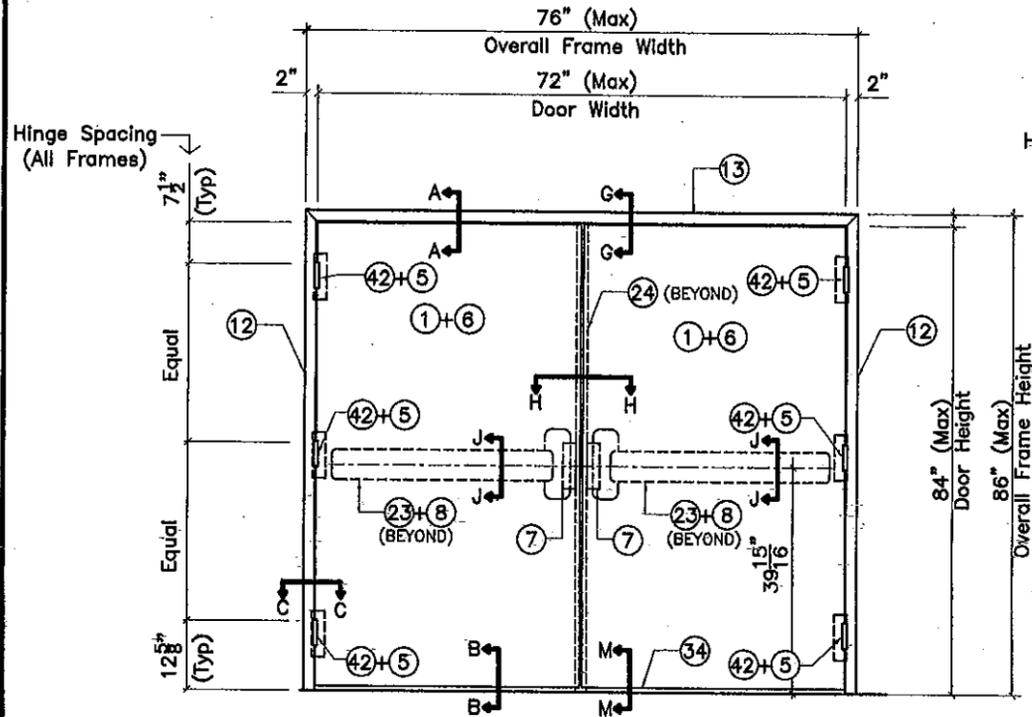
11-027
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	05/13/11	3	-	-
2	-	-	4	-	-

SHEET 1B OF 8

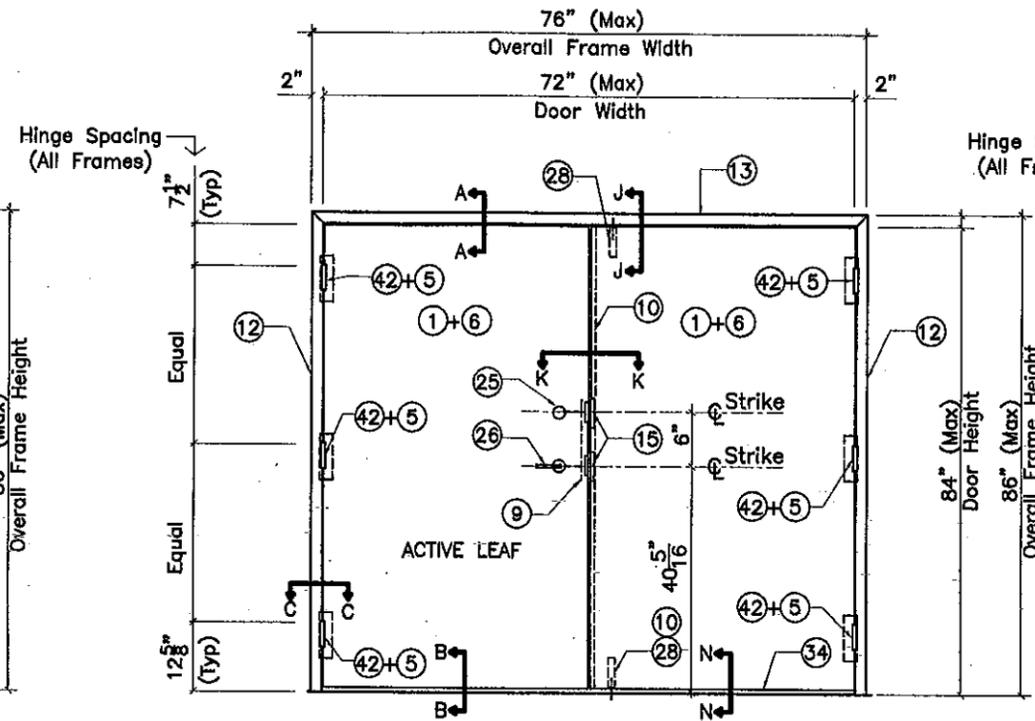
OUT-SWING PAIRED DOOR APPLICATIONS FOR ASSEMBLIES #1, #2 AND #3

- See sheet #2A for anchor locations in different substrates
- See Sheet #'s 3 & 4 for Vertical and Horizontal Sections
- See Sheet #5 for Door Construction details
- See Sheet #6 for Frame Construction details
- See Sheet #7 for Weather-Strip details and allowed combinations



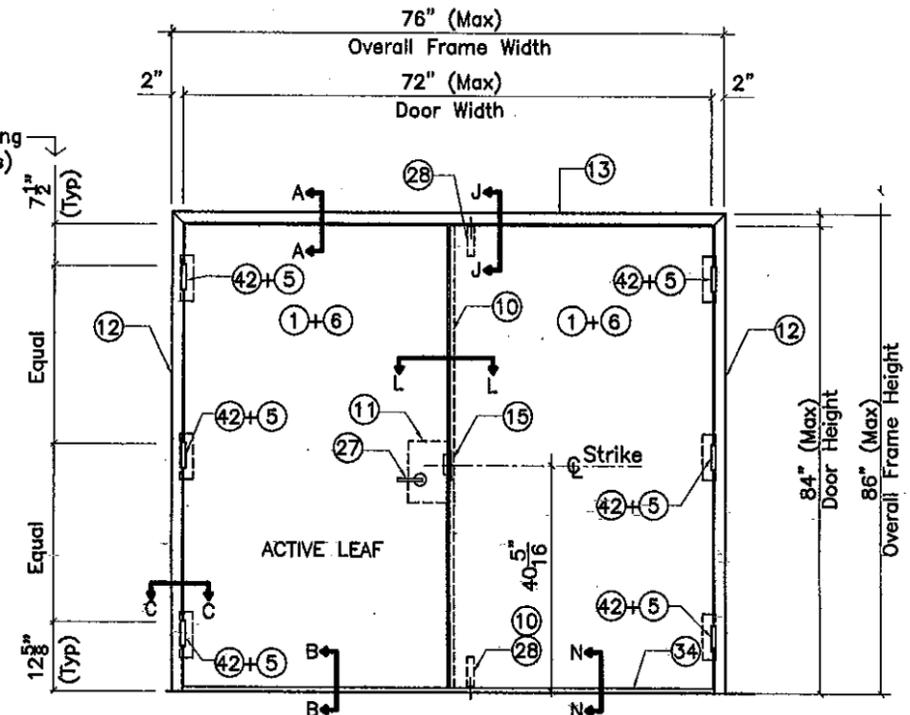
OUTSWING PAIR
(Exterior View)
16 Ga. Knocked-Down Frame
18 Ga. Polystyrene Core Doors
(2) (23) Yale 2150(F)WS Rim Exit Devices &
(24) Yale M200 Removable Hardware Mullion

ASSEMBLY ELEVATION #1
N.T.S.



OUT-SWING PAIR
(Exterior View)
16 Ga. Knocked-Down Frame
18 Ga. Polystyrene Core Door
(25) Yale 4607LN Series Cylindrical Lock
(26) Yale D200 Dead Bolt (Active Leaf) +
(15) ASA Strike x Small ASA No Lip Strike
and (28) Yale 988Y Top and Bottom Surface Bolts (Inactive Leaf)

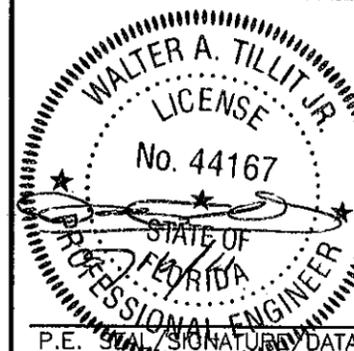
ASSEMBLY ELEVATION #2
N.T.S.



OUT-SWING PAIR
(Exterior View)
16 Ga. Knocked-Down Frame
18 Ga. Polystyrene Core Doors
(27) Yale 8800 Series Mortise Lock (Active Leaf)
+ (15) ASA Strike and (28) Yale 988Y Top
and Bottom Surface Bolts (Inactive Leaf)

ASSEMBLY ELEVATION #3
N.T.S.

Approved as complying with the
Florida Building Code
Date: JUNE 09, 2011
NOA# 11-0322-0
Miami Dade Product Control
By: Isiah L. Linn
MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305 - VIRGINIA GARDENS, FL 33186
Phone: (305)871-1830 Fax: (305)871-1831
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WALTER A. TILLIT Jr., P.E.
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BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
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101 ASHBRIDGE CIRCLE
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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	05/13/11	3	-	-
2	-	-	4	-	-

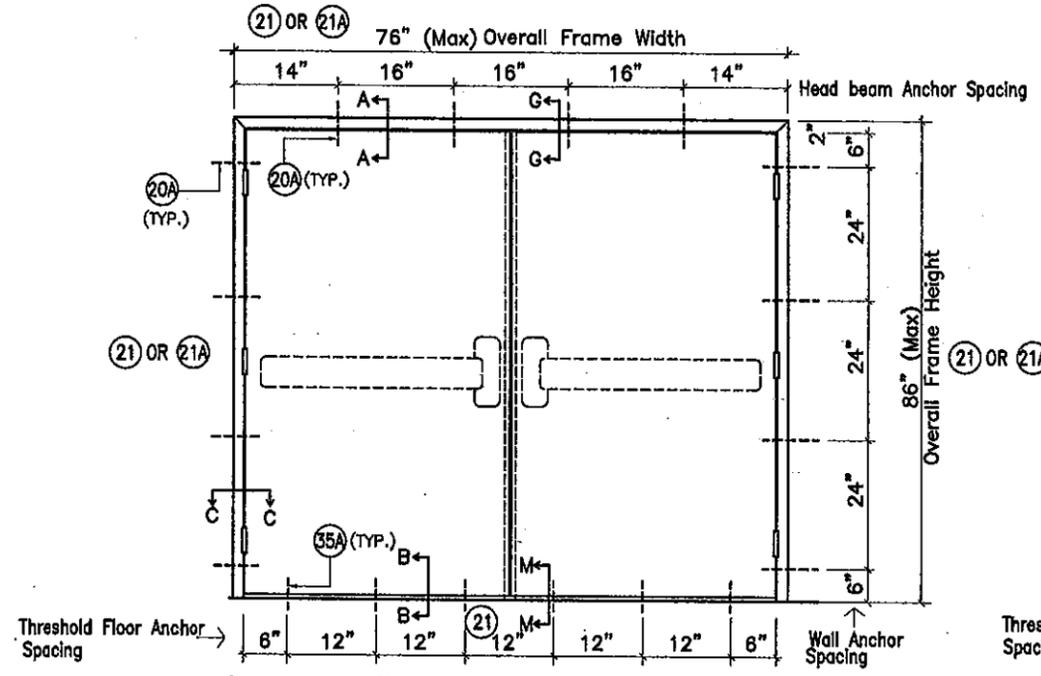
DRAWN BY:
M.C.V.

03/17/11
DATE

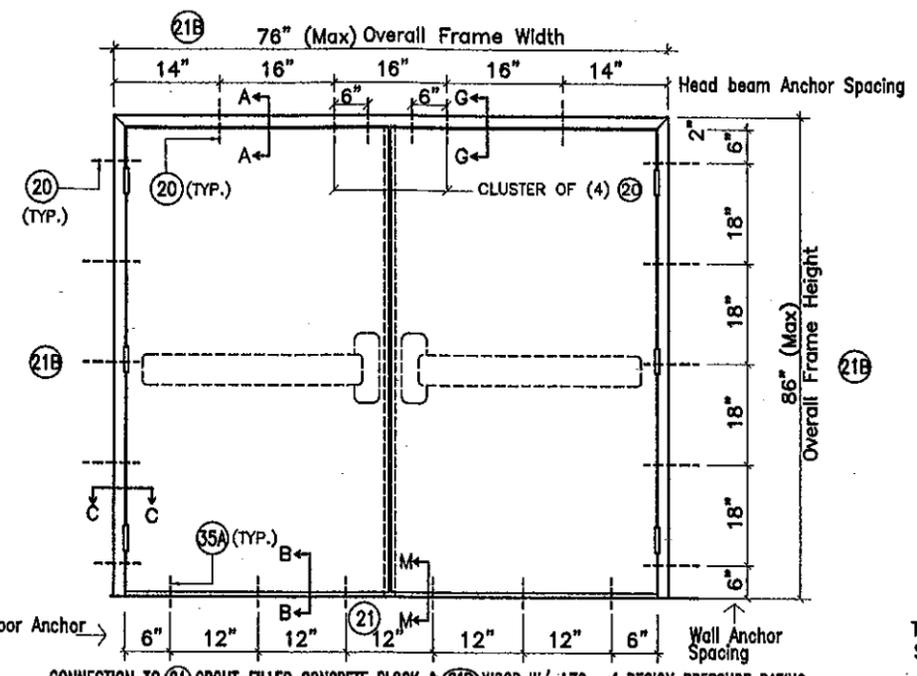
11-027
DRAWING No

SHEET 2 OF 8

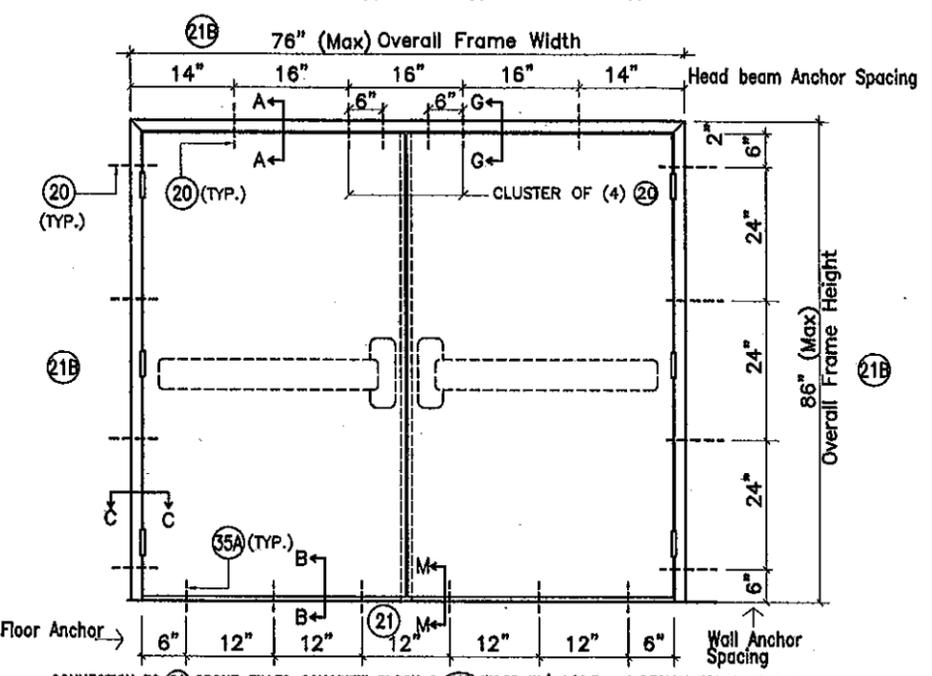
OUT-SWING PAIRED DOOR ANCHOR LOCATIONS IN DIFFERENT SUBSTRATES FOR ASSEMBLIES #1, #2 & #3



CONNECTION TO (21) CONCRETE OR (21A) GROUT FILLED CONCRETE BLOCK W/ ±70.0 psf DESIGN PRESSURE RATING

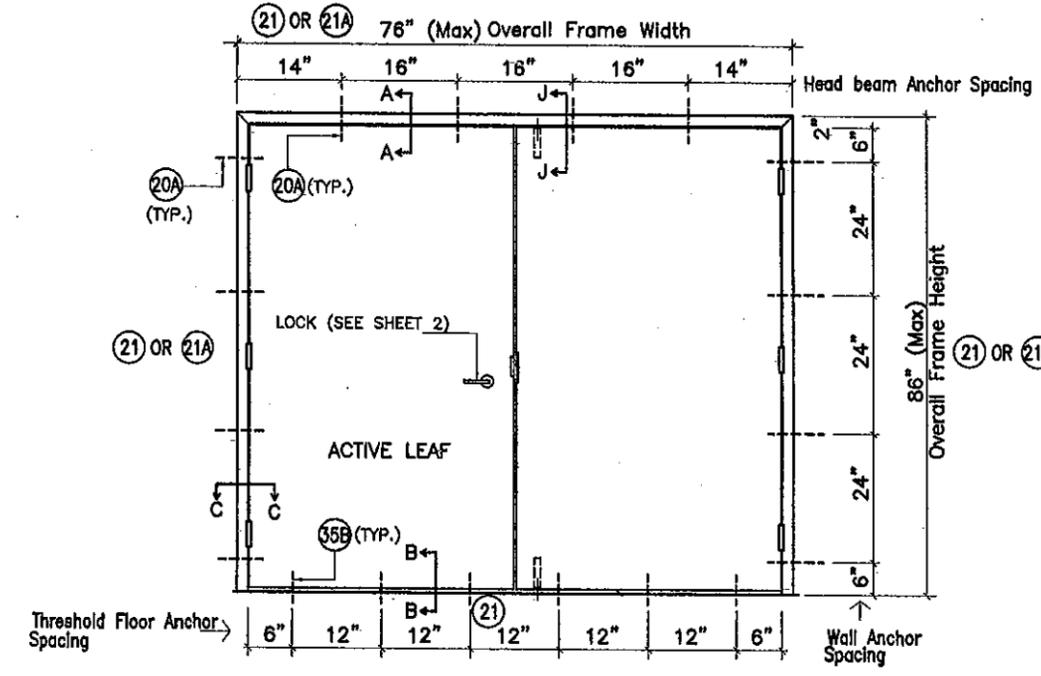


CONNECTION TO (21) GROUT-FILLED CONCRETE BLOCK & (21B) WOOD W/ ±70 psf DESIGN PRESSURE RATING

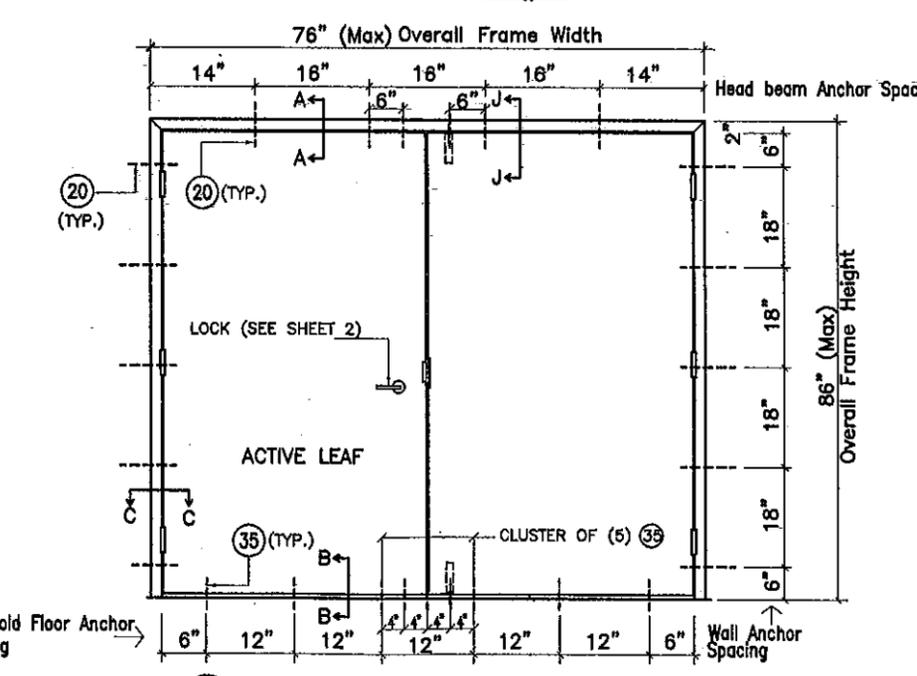


CONNECTION TO (21) GROUT-FILLED CONCRETE BLOCK & (21B) WOOD W/ ±66.5 psf DESIGN PRESSURE RATING

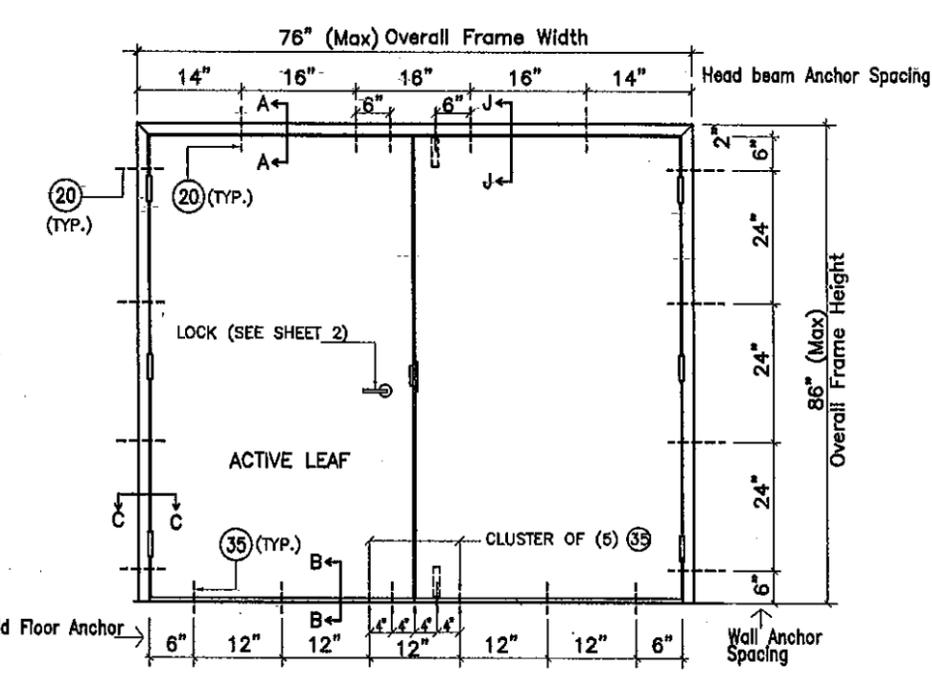
ASSEMBLY #1



CONNECTION TO (21) CONCRETE OR (21A) GROUT FILLED CONCRETE BLOCK W/ ±70.0 psf DESIGN PRESSURE RATING



CONNECTION TO (21B) WOOD ALL AROUND W/ ±70 psf DESIGN PRESSURE RATING



CONNECTION TO (21B) WOOD ALL AROUND W/ ±66.5 psf DESIGN PRESSURE RATING

ASSEMBLIES #2 & #3

- See Sheet #'s 3 & 4 for Vertical and Horizontal Sections
- See Sheet #5 for Door Construction details
- See Sheet #6 for Frame Construction details
- See Sheet #7 for Weather-Strip Sets

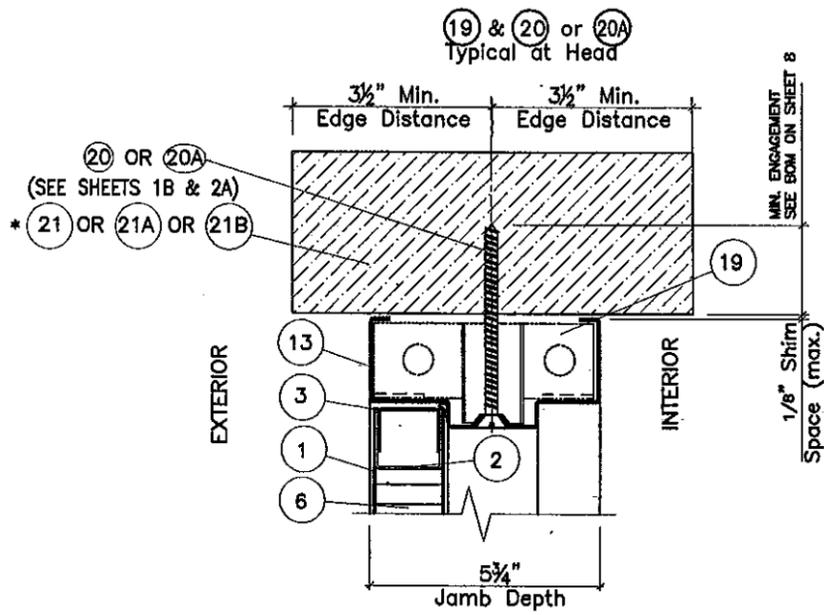
Approved as complying with the Florida Building Code
 Date June 09, 2011
 NOAM 11-0322-01
 Miami Dade Product Control
 By Isaac I. Chanda
 MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
 LICENSE
 No. 44167
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 P.E. SIGNATURE DATA

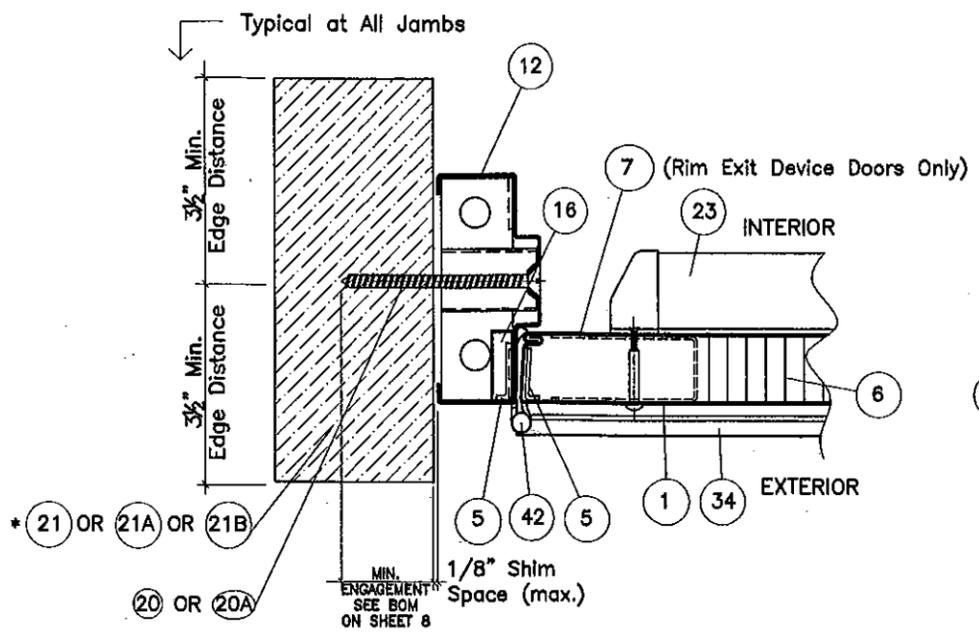
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 FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

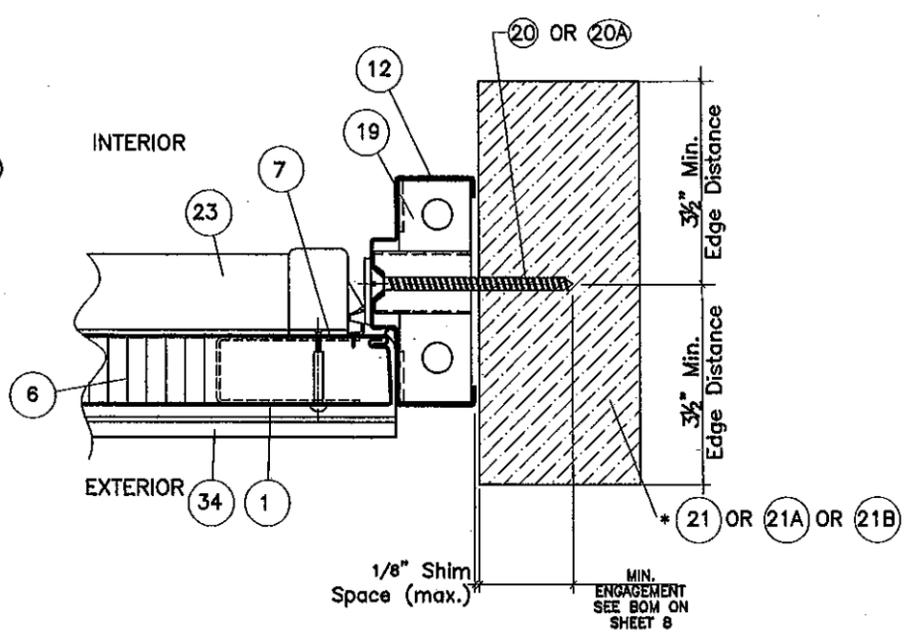
BARON BRAND SINGLE & PAIR OUT-SWING STEEL DOORS LARGE & SMALL MISSILE IMPACT		DRAWN BY: M.C.V.
ASSA ABLOY DOOR GROUP INC. dba FLEMING-BARON DOOR PRODUCTS		03/17/11 DATE
101 ASHBURIDGE CIRCLE WOODBRIDGE, ON, CANADA (416) 749-2111 FAX: (905) 851-8348		11-027 DRAWING No
REV. No	DESCRIPTION	DATE
1	GENERAL	05/13/11
2		



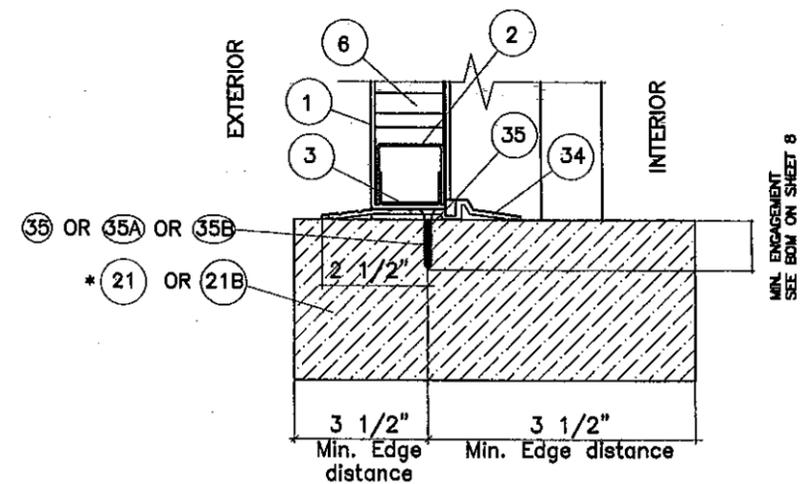
SECTION A-A
TYPICAL HEAD AT DOOR & FRAME



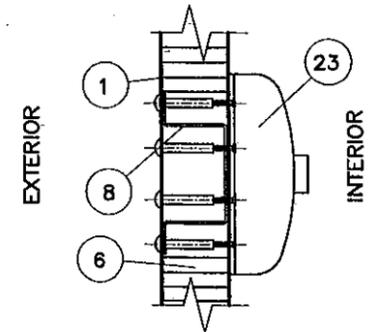
SECTION C-C
TYPICAL HINGE JAMB & DOOR HINGE EDGE
(With Rim Exit Device Shown)



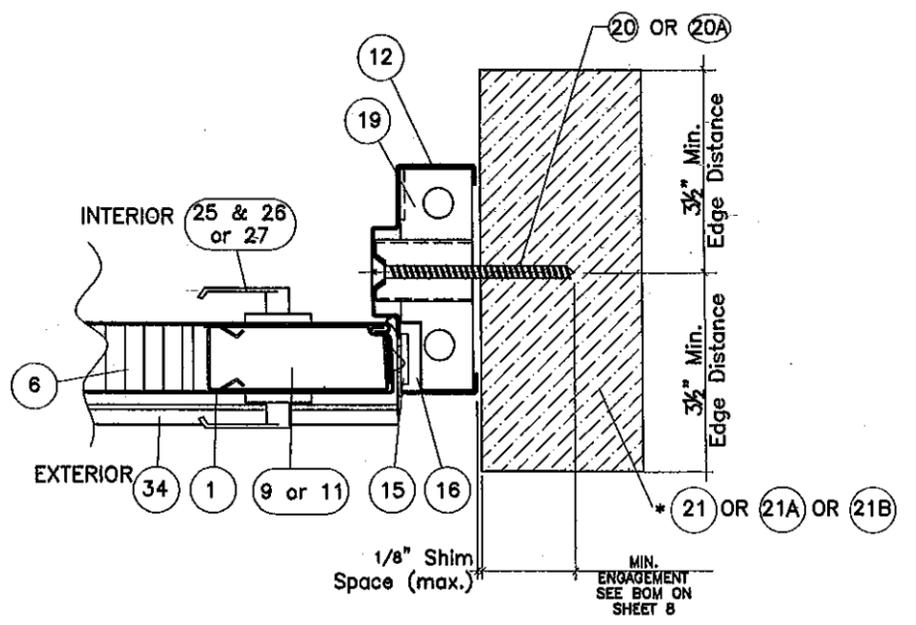
SECTION D-D
SINGLE STRIKE JAMB & DOOR
LOCK EDGE AT RIM EXIT DEVICE



SECTION B-B
TYPICAL SILL AT DOOR & FRAME (BEYOND)



SECTION F-F
RIM EXIT DEVICE WITH HORIZONTAL STIFFENER

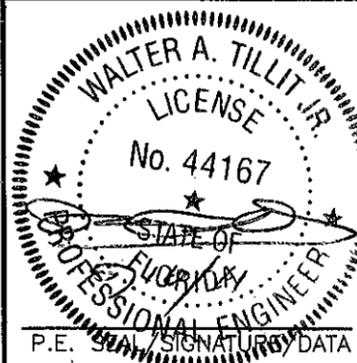


SECTION E-E
SINGLE STRIKE JAMB & DOOR LOCK
EDGE AT CYLINDRICAL OR MORTISE LOCKS
(Mortise Lock Shown)

* SUBSTRATES TYPES: SEE SHEETS 1B AND 2A

Approved as complying with the Florida Building Code
Date June 09, 2011
NOAH 11-0322-01
Miami Dade Product Control
By Walter A. Tillit Jr.

MIAMI-DADE COUNTY



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EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
LARGE & SMALL MISSILE IMPACT
ASSA ABLOY DOOR GROUP INC.
dba
FLEMING-BARON DOOR PRODUCTS
101 ASHBURIDGE CIRCLE
WOODBURIDGE, ON, CANADA
(416) 749-2111 FAX: (905) 851-8348

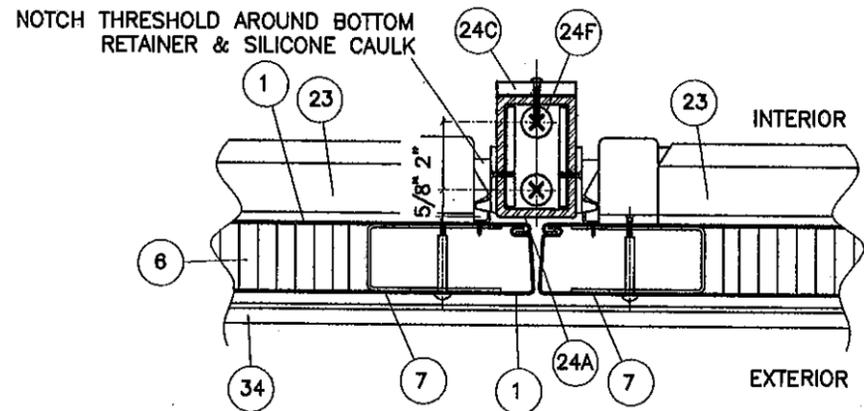
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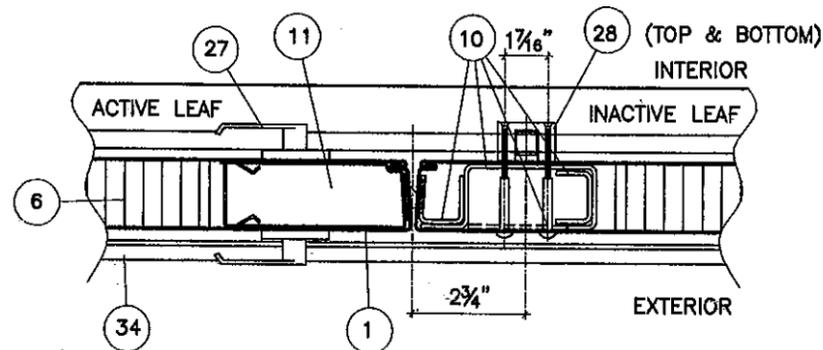
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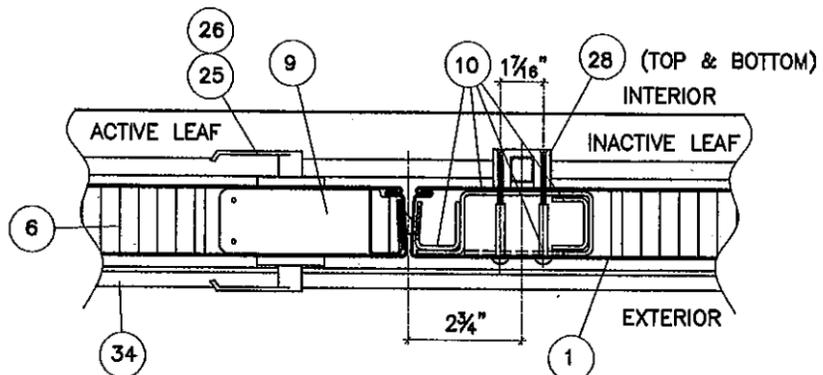
SHEET 3 OF 8



SECTION H-H
MEETING STILE AND SILL AT PAIRS WITH RIM
EXIT DEVICES W/ REMOVABLE MULLION

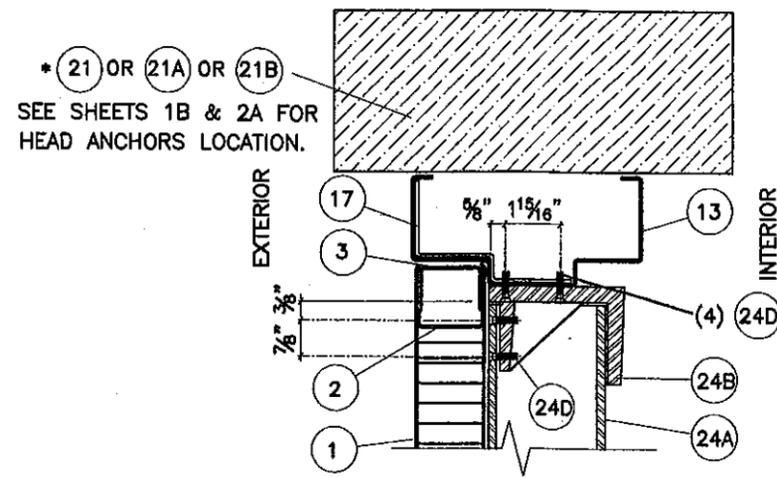


SECTION L-L
MEETING STILE AT PAIRS WITH
MORTISE LOCK (ACTIVE LEAF) + STRIKE AND
SURFACE BOLTS (INACTIVE LEAF)

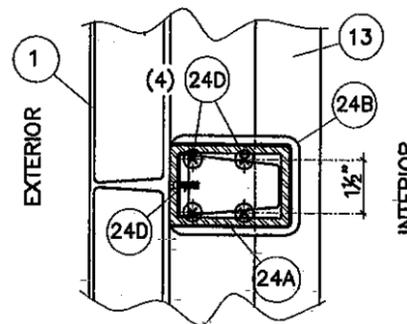


SECTION K-K
MEETING STILE AT PAIRS WITH
CYLINDRICAL X DEAD LOCK (ACTIVE LEAF) +
STRIKES AND SURFACE BOLTS (INACTIVE LEAF)

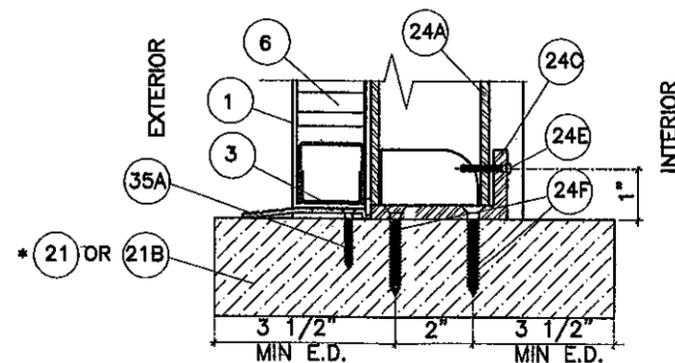
* SUBSTRATES TYPES: SEE SHEETS 1B AND 2A



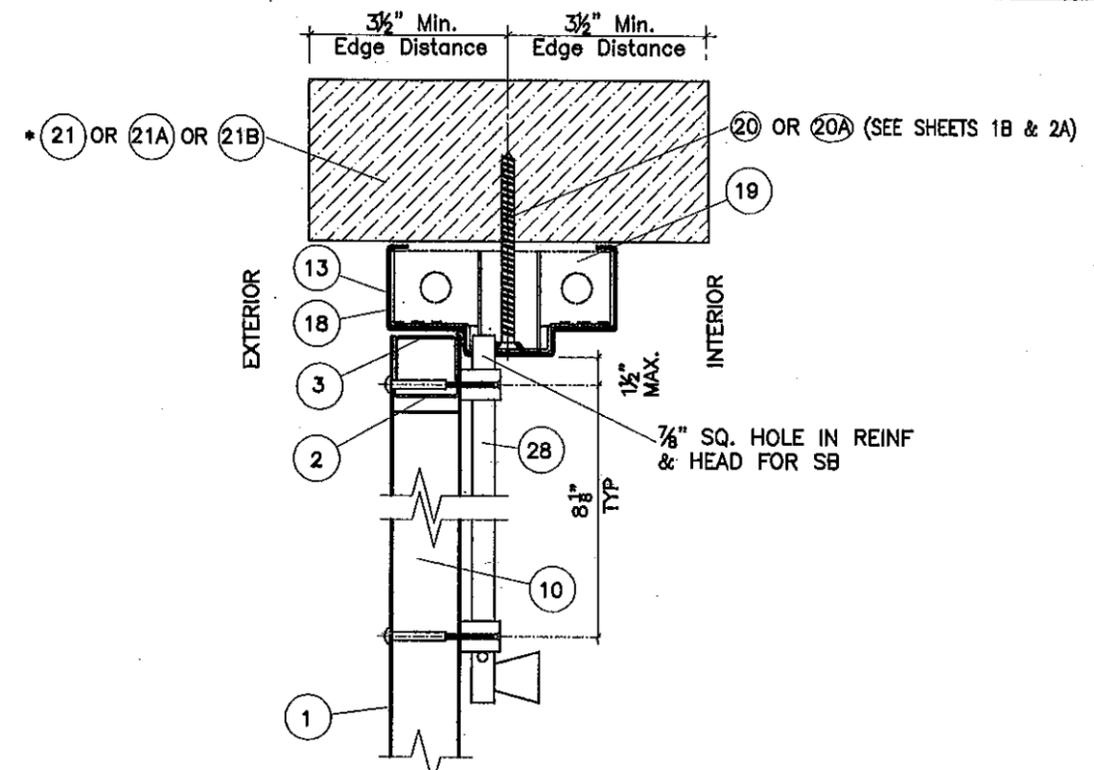
SECTION G-G
FRAME HEAD REINF AT
REMOVABLE HARDWARE MULLION



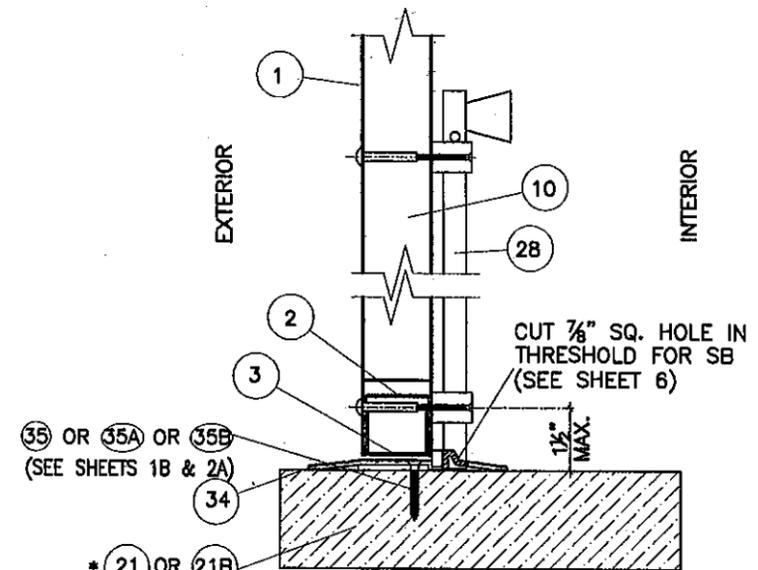
MIRROR PLAN AT FRAME HEAD AT
REMOVABLE HARDWARE MULLION



SECTION M-M
SILL AT REMOVABLE
HARDWARE MULLION



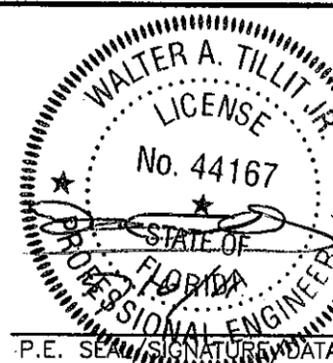
SECTION J-J
DOOR & FRAME HEAD REINFORCING
FOR SURFACE BOLTS



SECTION N-N
DOOR REINFORCING & THRESHOLD
DETAILS FOR SURFACE BOLTS

Approved as complying with the
Florida Building Code
Date June 09, 2011
NOA# 11-0322-01
Miami Dade Product Control
By Isaac L. Gonzalez

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

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EB-0008719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
LARGE & SMALL MISSILE IMPACT

DRAWN BY:
M.C.V.

ASSA ABLOY DOOR GROUP INC.

03/17/11
DATE

dba
FLEMING-BARON DOOR PRODUCTS

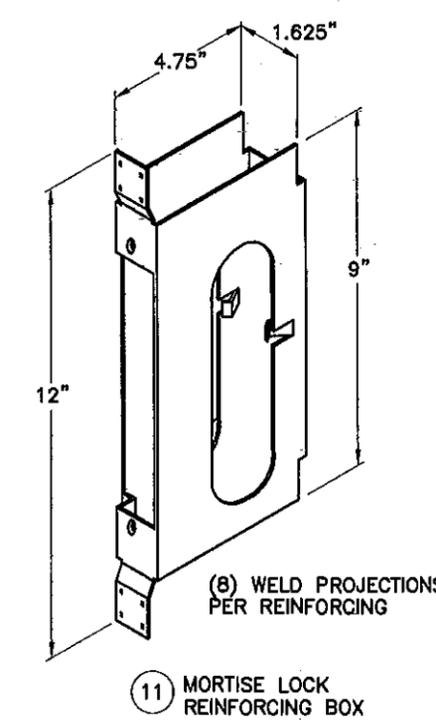
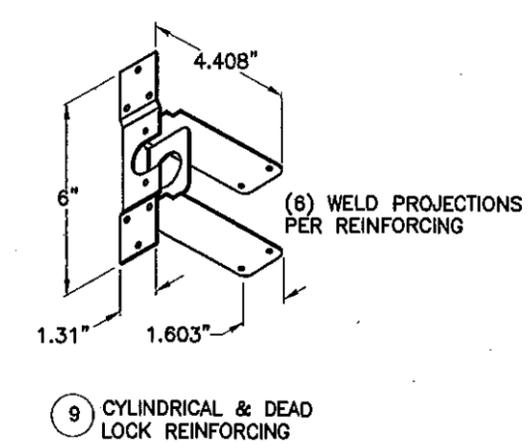
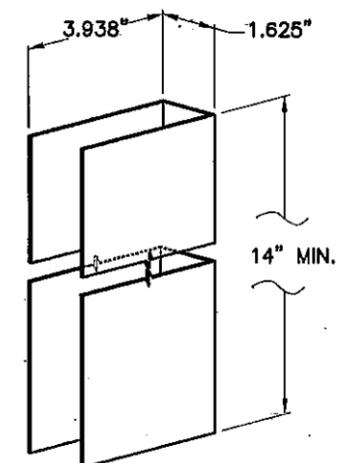
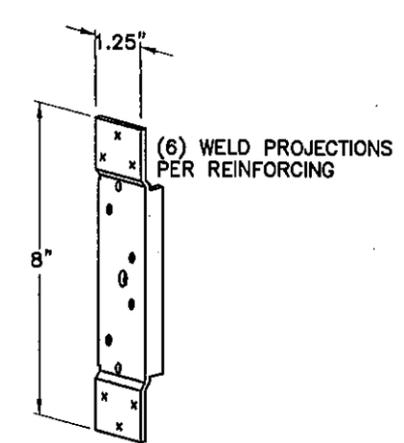
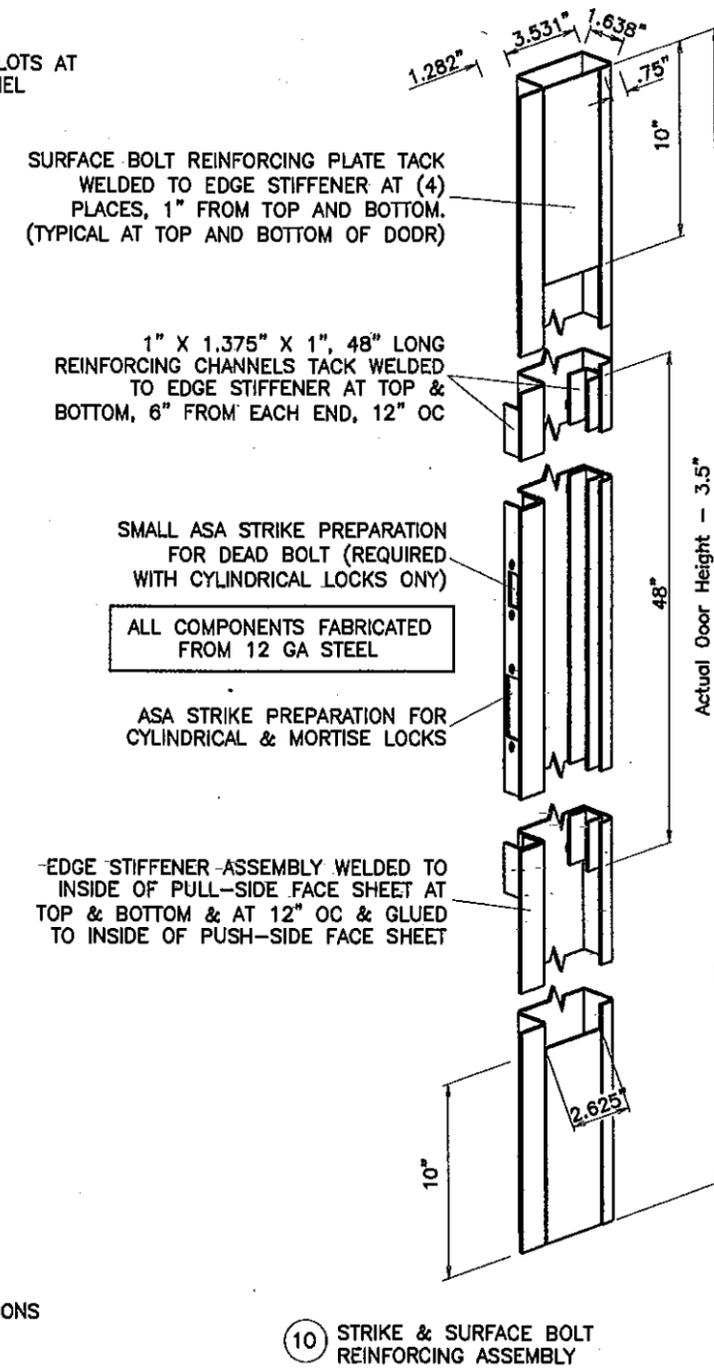
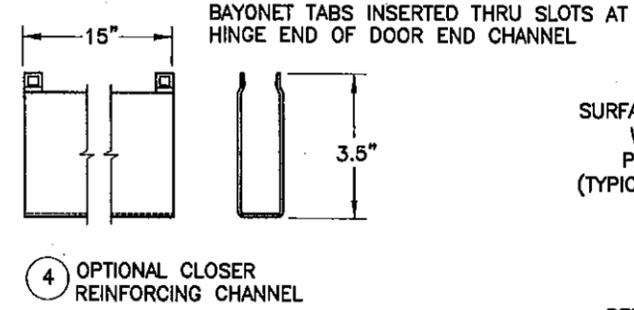
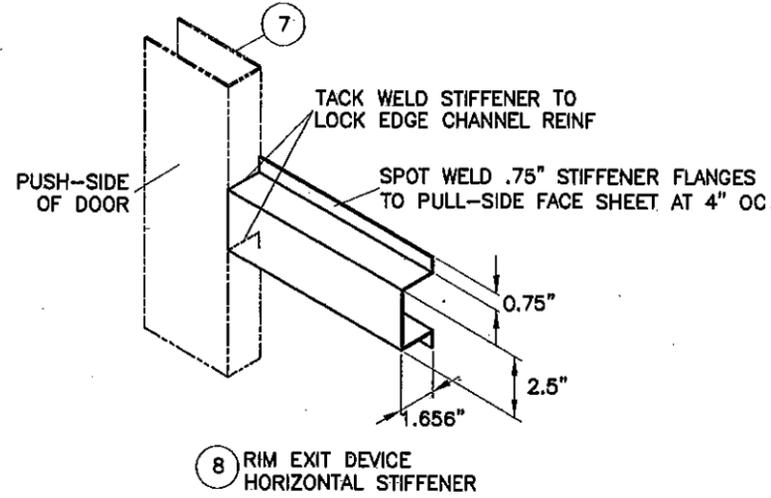
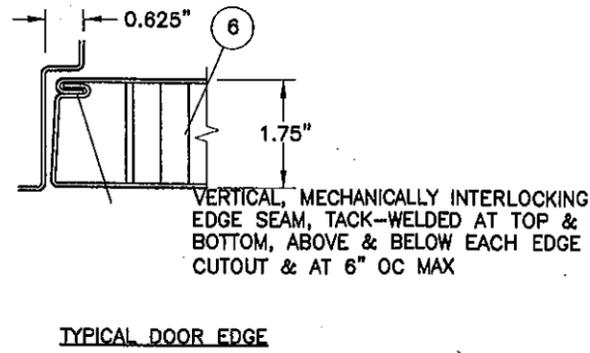
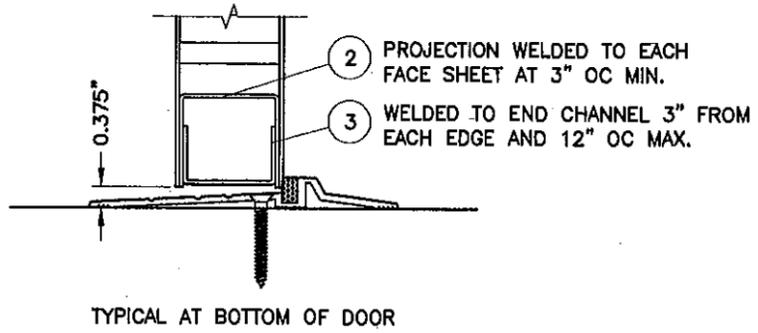
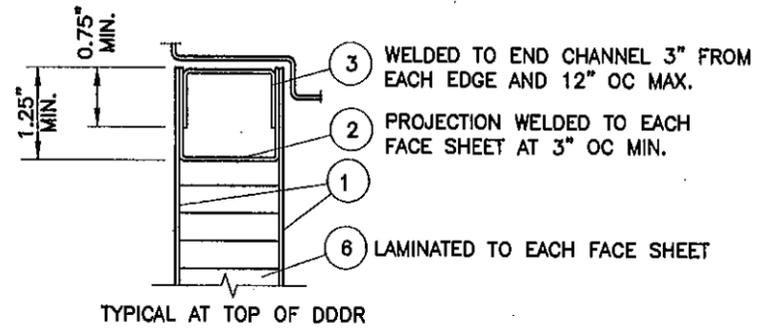
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101 ASHBURIDGE CIRCLE
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1	GENERAL	03/15/11	3	-	-
2	-	-	4	-	-

SHEET 4 OF 8

DOOR PANEL & DOOR REINFORCEMENTS CONSTRUCTION DETAILS



⑤ HIGH FREQUENCY HINGE REINFORCING

⑦ RIM EXIT DEVICE LOCK & HINGE EDGE CHANNEL REINFORCING

Approved as complying with the Florida Building Code
Date June 09, 2011
NOA# 11-0322-01
Miami Dade Product Control
By Ishag I. Chaudhry

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

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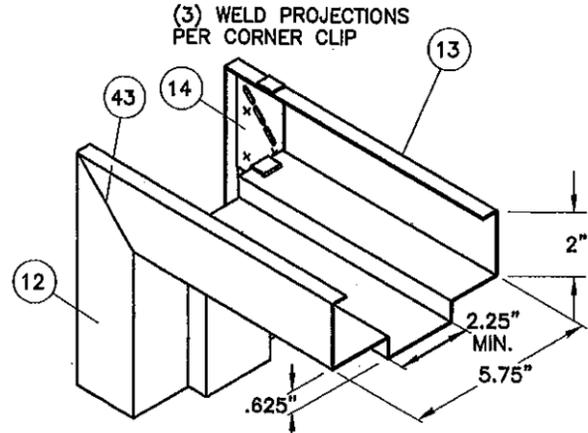
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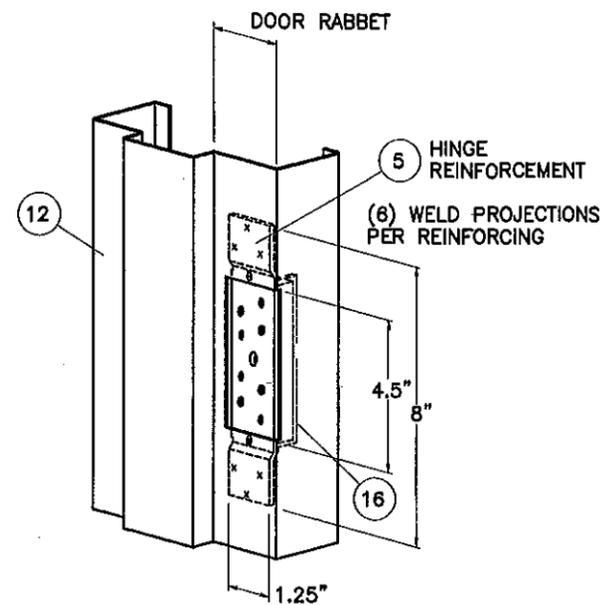
TILLIT TESTING & ENGINEERING COMPANY
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EB-0006719
WALTER A. TILLIT Jr., P.E.
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BARON BRAND SINGLE & PAIR OUT-SWING STEEL DOORS LARGE & SMALL MISSILE IMPACT				DRAWN BY: M.C.V.	
ASSA ABLOY DOOR GROUP INC. dba FLEMING-BARON DOOR PRODUCTS				03/17/11 DATE	
101 ASHBURIDGE CIRCLE WOODBRIDGE, ON, CANADA (416) 749-2111 FAX: (905) 851-8348				11-027 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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SHEET 5 OF 8					

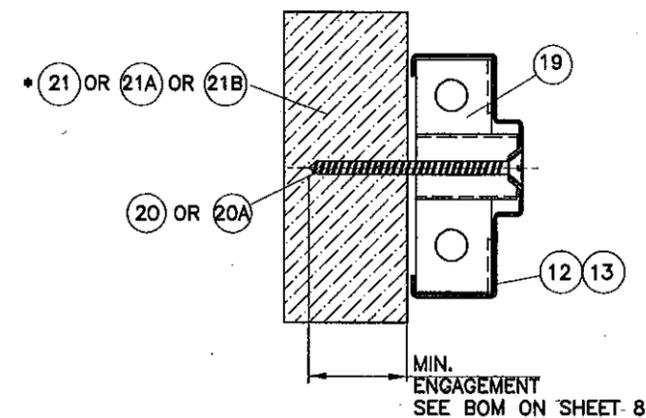
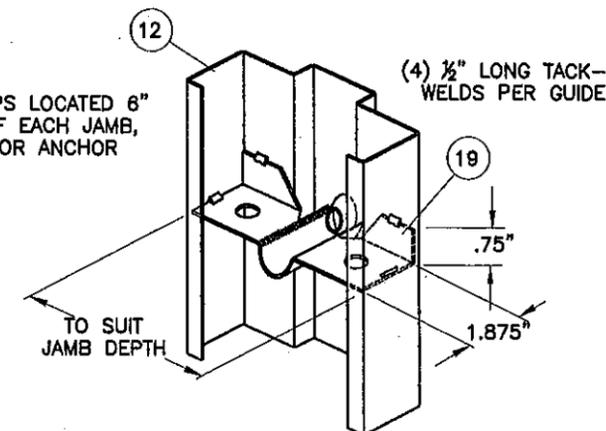
FRAME CONSTRUCTION DETAILS



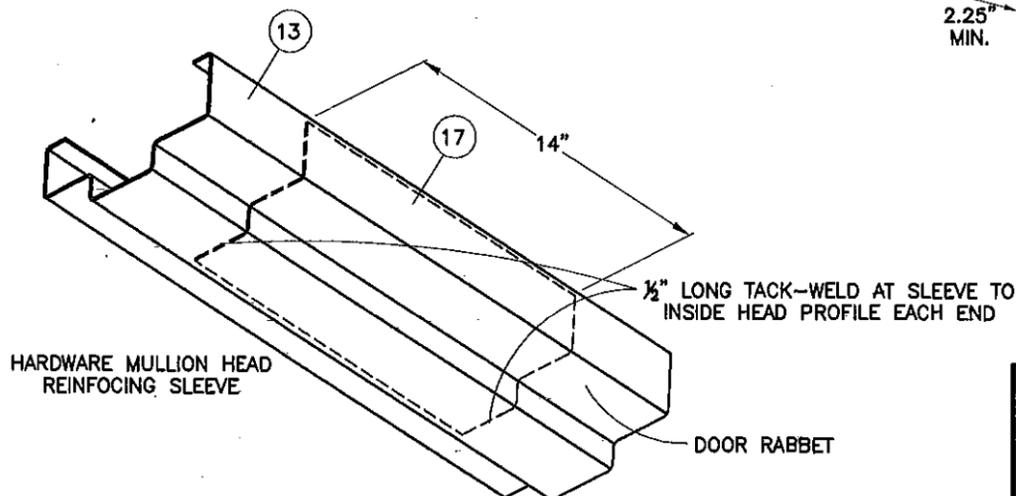
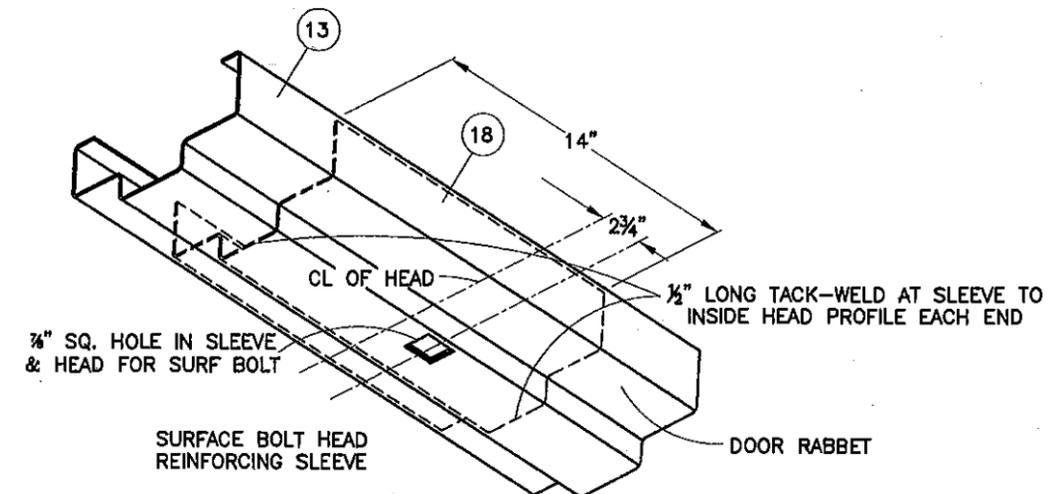
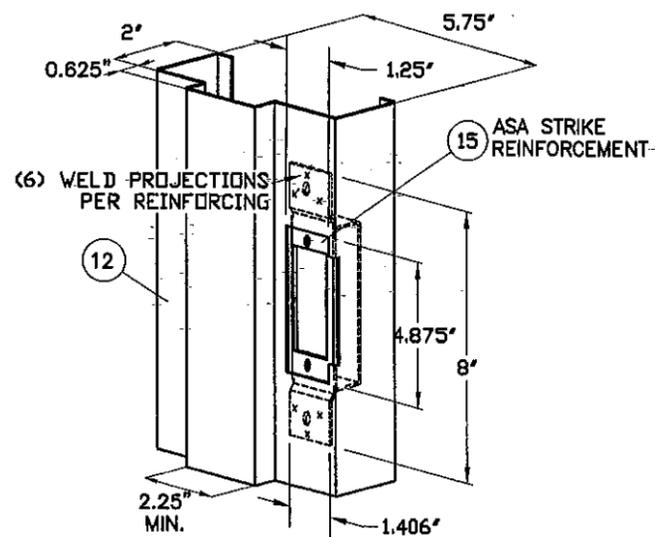
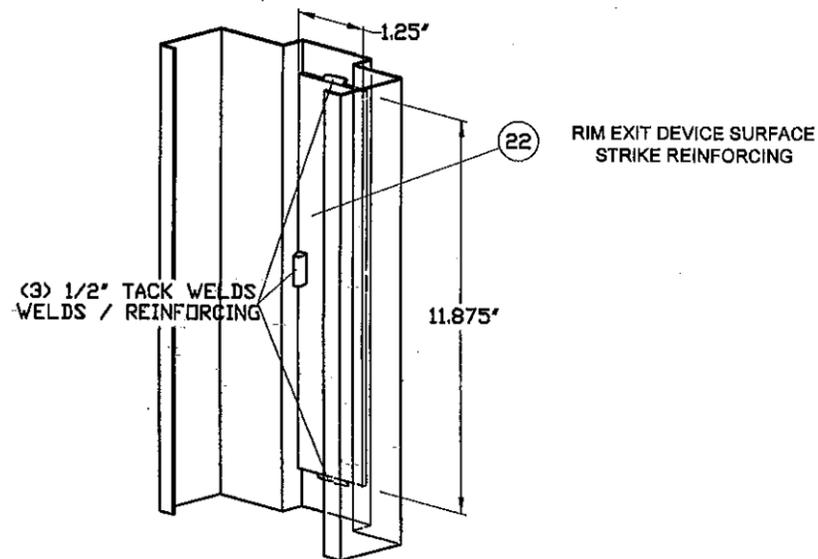
TYPICAL KNOCKED-DOWN FRAME JAMB/HEAD ASSEMBLY



ANCHOR GUIDES & PREPS LOCATED 6" FROM TOP & BOTTOM OF EACH JAMB, SEE SHEETS 1B & 2A FOR ANCHOR LOCATION & QUANTITY.



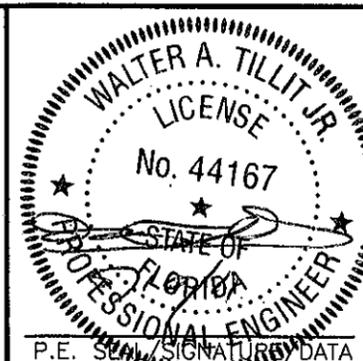
WALL ANCHOR GUIDES AT JAMBS AND HEAD. SEE SHEETS 1B AND 2A FOR ANCHOR SPECS + SPACINGS



* SUBSTRATES TYPES: SEE SHEETS 1B AND 2A

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Date JUNE 07, 2011
NOA# 11-0232-01
Miami Dade Product Control

MIAMI-DADE COUNTY



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EB-0008719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
LARGE & SMALL MISSILE IMPACT

DRAWN BY:
M.C.V.

ASSA ABLOY DOOR GROUP INC.
dba

03/17/11
DATE

FLEMING-BARON DOOR PRODUCTS

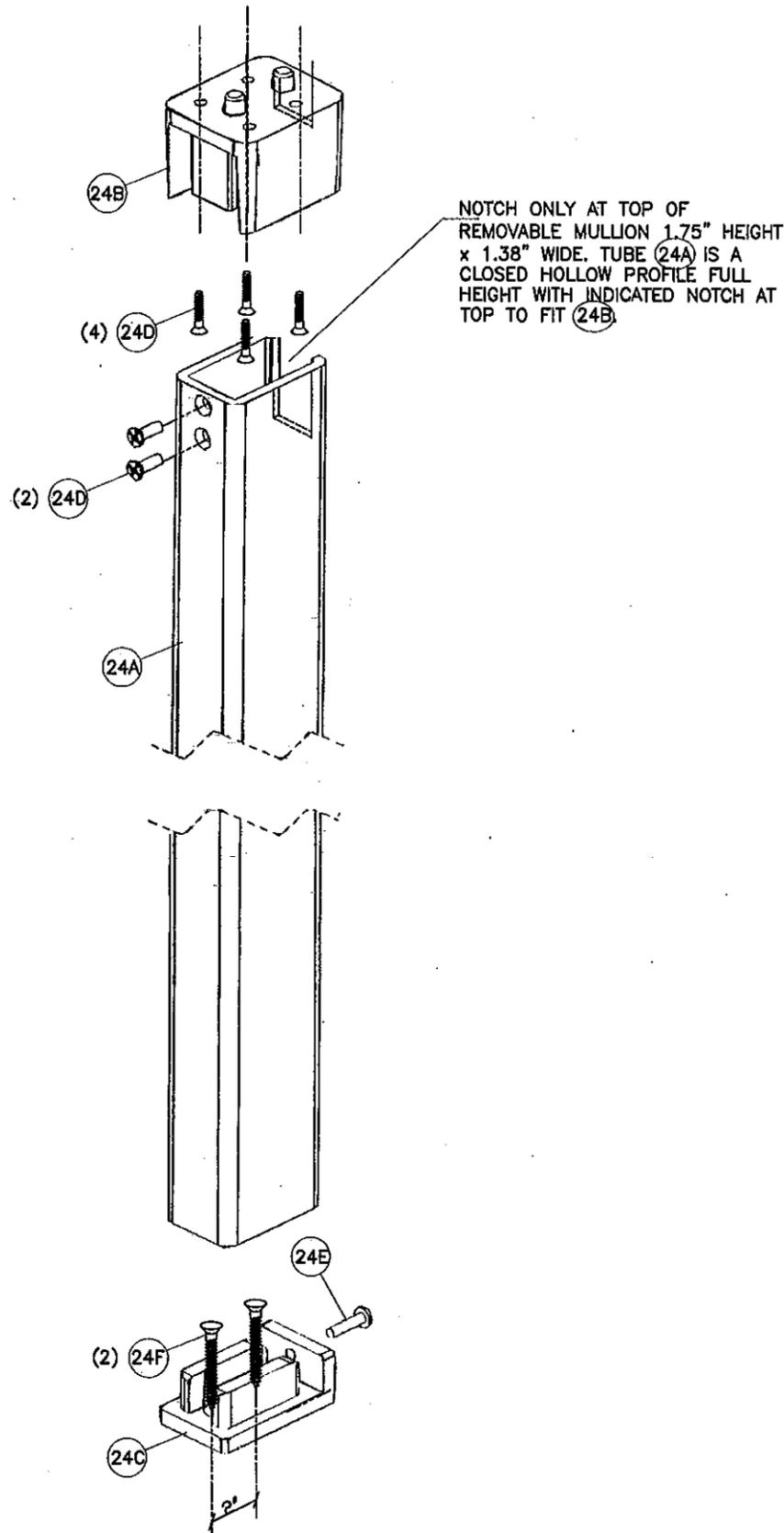
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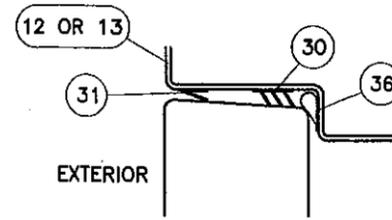
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SHEET 6 OF 8

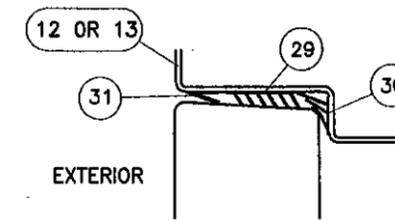
WEATHER-STRIP DETAILS APPLICABLE TO ASSEMBLIES #1,
#2 & #3 OR ANY COMBINATION OF THEM



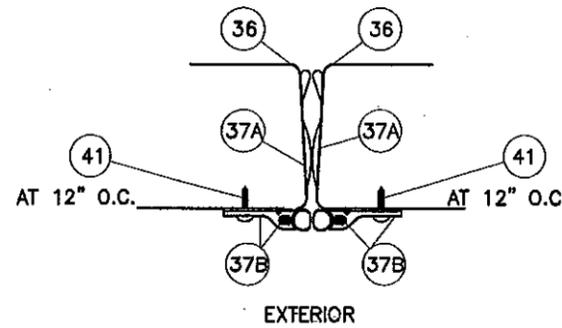
24 YALE M200 SERIES REMOVABLE
HARDWARE MULLION ASSEMBLY ISOMETRIC DETAIL



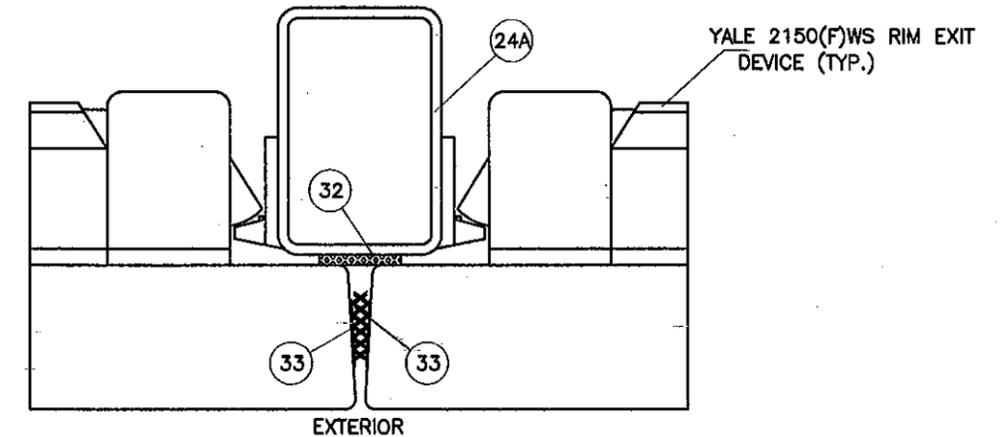
AT JAMB AND HEAD



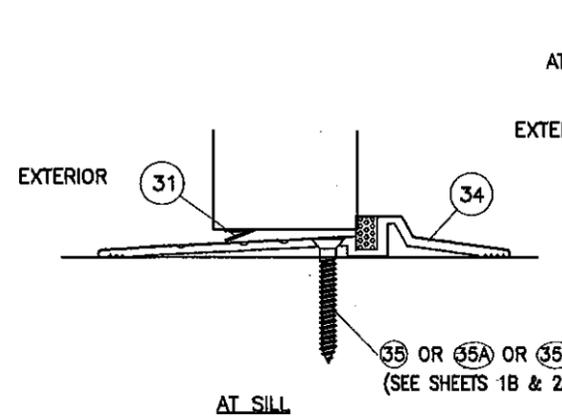
AT JAMB AND HEAD



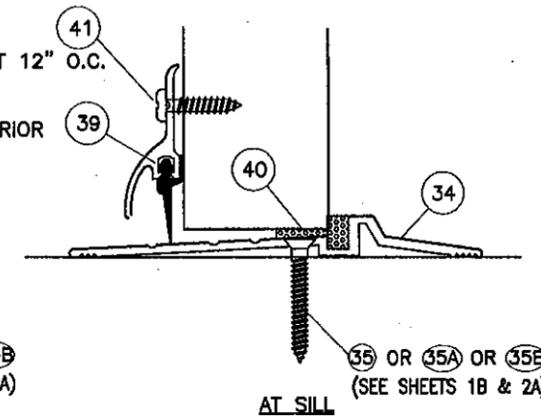
MEETING STILE
AT CYLINDRICAL OR MORTISE LOCKS



MEETING STILE
AT YALE M-200 HARDWARE MULLION



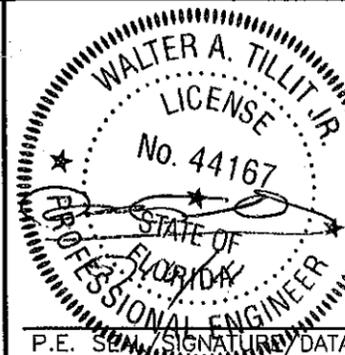
AT SILL



AT SILL

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NOA# 11-03222-01
Miami Dade Product Control
By Isaac J. Gonzalez

MIAMI-DADE COUNTY



P.E. SIGNATURE/DATE

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EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44187

BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
LARGE & SMALL MISSILE IMPACT

DRAWN BY:
M.C.V.

ASSA ABLOY DOOR GROUP INC.
dba
FLEMING-BARON DOOR PRODUCTS

03/17/11
DATE

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WOODBIDGE, ON, CANADA
(416) 749-2111 FAX: (905) 851-8348

11-027
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	05/13/11	3	-	-
2	-	-	4	-	-

SHEET 7 OF 8

BILL OF MATERIALS

Item	Qty/Unit/Location	Description
1	2 / leaf	18 gage (0.042" min.) steel door face sheets, Galvanized Steel conforms to ASTM A653, CS, Type B, Coating Designation A40 (min.), w/ Tensile Strength 52.6 ksi, min. Yield Strength 46.3 ksi minimum, Elongation 31.2 %
2	2 / leaf	16 gage (0.053" min.) steel door end channels (*1)
3	2 / leaf	16 gage (0.053" min.) steel top & bottom caps (*1)
4	1 / leaf	16 gage (0.053" min.) steel closer reinforcing channel (optional) (*1)
5	3 / leaf or hinge jamb	10 gage (0.123" min) steel high frequency hinge reinforcing (*1)
6	1 / leaf	1.653" thick, Type 1, 1.0 p.c.f. polystyrene slab door core by Dyplast Products LLC per current NOA, laminated to each face sheet with Forbo # 2U232 PUR adhesive at 15 g/ft ²
7	2 / leaf	16 gage (0.053" min.) steel rim exit device reinforcing channel (*1)
8	1 / leaf	14 gage (0.067" min.) steel rim exit device horizontal stiffener (*1)
9	2 / active leaf	16 gage (0.053" min.) steel cylindrical and dead lock reinforcing (*1)
10	1 / inactive leaf	12 gage (0.093" min.) steel strike and surface bolt reinforcing assembly (*1)
11	1 / active leaf	16 gage (0.053" min.) steel mortise lock reinforcing box (*1)
12	2 / frame	16 gage (0.053" min) steel knocked-down frame jamb (*1)
13	1 / frame	16 gage (0.053" min.) steel knocked-down frame head (*1)
14	2 / jamb	20 gage (0.032" min.) steel knocked-down corner clips (*1)
15	1 / latch	12 gage (0.093" min.) steel ASA lock strike reinforcing (*1)
16	1 / hinge or strike reinf	20 gage (0.032" min.) steel mortar guard box (*1)
17	1 / mullion	12 gage (0.093" min.) steel hardware mullion head reinforcing sleeve (*1)
18	1 / top surface bolt	12 gage (0.093" min.) steel surface bolt head reinforcing sleeve (*1)
19	As required	18 gage (0.042" min.) steel existing wall anchor guides (*1)
20	1 / anchor guide	3/8" diameter steel flat head Wood lag screw w/ 3" min threaded penetration into wood beyond any finish
20A	1 / anchor guide	3/8" diameter Hilti Hus-H screw 2 3/4" min. embedment into Concrete or Grout -filled concrete block beyond any finish
21	1	Concrete w/ fc= 3192" psi min.
21A	1	2000 psi Grout-filled concrete block ASTM C-90
21B	1	Double 2x wood buck, Southern Pine (G=0.55)
22	1 / strike jamb	12 gage (0.093" min.) steel rim exit device strike reinforcing (*1)
23	1 / leaf	Yale # 2150(F)WS rim exit device mounted with (6) #10-24 x 1 1/2" thru bolts, #757F strike mounted with (3) #10-24 x 1/2" FHMS & interlock bracket mounted with (2) #8-32 x 1/2" FHMS
24	1 / frame	Yale # M200 Series removable hardware mullion assembly, provided by hardware manufacturer (applicable only to double door) 24A: (1) 2" x 3" x 3/16" HRS seamless tube to ASTM A500, primed, Yale Part # 98-0285 24B: (1) Top retainer, iron casting, to 65-45-12, primed, Yale Part# 98-0283 24C: (1) Bottom retainer, iron casting, to 65-45-12, primed, Yale Part# 98-0284 24D: (4) 1/4-20 x 5/8" FHMS for top retainer to frame head, zinc plated 24E: (1) 1/4-20 x 1 1/4" SS RH MS for tube to bottom retainer, zinc plated 24F: (2) 3/8"-16 diameter Powers Fasteners Calk-In w/ 1 1/4" min. embedment into concrete, for bottom retainer to floor beyond any finish
25	1 / leaf	Yale 4600 Series cylindrical lock mounted with (2) #8-32 x 1/2" FHMS & ASA strike mounted with (2) #12-24 x 1/2" FHMS
26	1 / leaf	Yale D200 Series dead lock mounted with (2) #8-32 x 1/2" FHMS & strike mounted with (2) 12-24 x 1/2" FHMS
27	1 / leaf	Yale 8800 Series mortise lock mounted with (2) #12-24 x 3/4" FHMS & strike mounted with (2) #12-24 x 1/2" FHMS
28	2 / inactive leaf	Yale # 988Y, 3/4" sq. x 12" long, steel surface bolt mounted with (4) #10-24 x 2 1/2" thru bolts to door panel
29	1 row / jamb & head	Pemko # S776 adhesive-backed vinyl gasket
30	1 row / jamb & head	Pemko # S773 adhesive-backed vinyl gasket
31	1 row / jamb & head 1 row / door leaf	Pemko # S44 adhesive-backed vinyl gasket
32	1 row / mullion	Pemko # 5110 adhesive-backed 1-1/8" x 3/16" neoprene gasket
33	1 row / door mtg edge	Pemko # S771 x 6 adhesive-backed vinyl gasket
34	1 / frame	Pemko # 2005 x 380 x nominal frame rabbet width aluminum threshold, 5" wide x 1/4" / 1/2" height
35	As required	#14 FH wood screw, w/ 1-1/2" min. threaded penetration into wood, 6" from jamb & 12" oc for # 2005 threshold, zinc plated
35A	As required	3/16" diameter ITW Buildex FH Tapcon anchor w/ 1 3/4" min. embedment into concrete, 3 1/2" ED, 6" from jamb and 12" oc for # 2005 threshold, beyond any finish
35B	As required	1/4" diameter ITW Buildex FH Tapcon anchor w/ 1 3/4" min. embedment into concrete, 3 1/2" ED, 6" from jamb and 12" oc for # 2005 threshold, beyond any finish
36	1 row / jamb & head 1 row / door mtg edge	Pemko # S88 adhesive-backed vinyl bulb gasket
37A	1 row each / door meeting edge	Pemko # 303 surface mounted 6063-T5 aluminum astragal with vinyl bulb gasket and Pemko # S1125 adhesive-backed vinyl gasket
37B		
39	1 / leaf	Pemko # 3452 surface mounted aluminum door sweep with vinyl insert
40	3 / leaf	Pemko # R490 adhesive-backed neoprene gasket adhered to bottom of door leaf. Full width
41	4 / sweep	#6 x 5/8" SMS for 3452 door sweep, zinc plated
42	3 / leaf	McKinney # TA2714, 4-1/2" x 4-1/2" steel hinges mounted with #12-24 x 1/2" FHMS, (4) /door prep and (4) /frame prep
43	As required	Caulking GE silicone II or equal

(*1): Galvanized Steel conforms to ASTM A653, CS, Type B, Coating Designation A40 (min.), w/ Tensile Strength 52 ksi, min. Yield Strength 45 ksi minimum, Elongation 40 %

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DRAWN BY: M.C.V. 03/17/11 DATE

11-027 DRAWING NO

SHEET 8 OF 8

**BARON BRAND SINGLE & PAIR
OUT-SWING STEEL DOORS
LARGE & SMALL MISSILE IMPACT**

ASSA ABLOY DOOR GROUP INC.
dba
FLEMING-BARON DOOR PRODUCTS

101 ASHBRIDGE CIRCLE
WOODBRIDGE, ON, CANADA
(416) 749-2111 FAX: (905) 851-8348

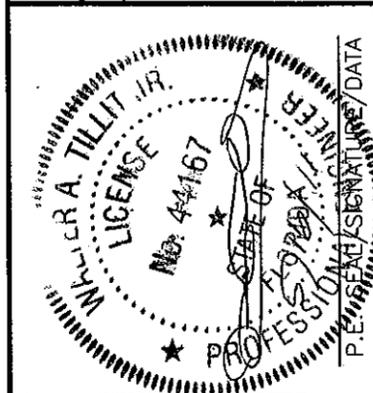
REV. NO.	DESCRIPTION	DATE
1	GENERAL	03/17/11
2		

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TILECO INC.

TILIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Suite 3050 - Miramar Gardens, FL 33166
Phone: (305) 851-1500 Fax: (305) 851-1501

WALTER A. TILIT Jr., P.E.
EB-0006719
FLORIDA Lic. # 44167



Approved as complying with the Florida Building Code.
Date: JUNE 05, 2011
NOA# 11-0322-0
Miami Door Products Central
By: Shag J. Chertok

MIAMI-DADE COUNTY