



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Baron Metal Industries Inc.
101 Ashbridge Circle
Woodbridge, Ontario, Canada L4L3R5**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "FS16/B20" Flush Outswing Commercial Steel Doors-Impact

APPROVAL DOCUMENT: Drawing No "BM-001", titled "Series FS16/B20 Flush Steel Out-Swing Entrance Door", sheets 1 through 7 of 7 prepared by manufacture, dated 02/10/04 and last revised on 08/11/04, signed and sealed by Kelvyn Whitfield, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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

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



**NOA No 04-0330.01
Expiration Date: September 02, 2009
Approval Date: September 02, 2004
Page 1**

8/2/04

Baron Metal Industries Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and sections drawings.
2. Drawing No "BM-001", titled "Series FS16/B20 Flush Steel Out-Swing Entrance Door", sheets 1 through 7 of 7 prepared by manufacture, dated 02/10/04 and last revised on 08/11/04, signed and sealed by Kelvyn Whitfield, 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 Resistant 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 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of outswing steel door, prepared by Fenestration Testing Laboratory, Inc, Test Report No. **FTL 4095 (04001)** dated 02/19/04, signed and sealed by Edmundo Largaespada, P.E.

Note: The above test report has been revised with addendum letters dated June 15, 2004 and August 03, 2004, issued by Fenestration testing lab, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS:

1. Anchor Verification Calculations, dated 03-26-04 and revised on 08-04-04, prepared and signed and sealed by Kelvyn Whitfield, P. E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

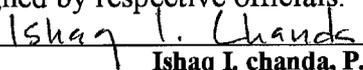
1. Tensile Test report No. 3, dated June 16, 2004, issued by Fenestration Testing Laboratory, per ASTM E-A370-97a, signed & sealed by Edmundo Largaespada, P.E.
2. Notice of Acceptance No. **01-1108.09**, issued to Apache Products Company for "EPS-expanded Polystyrene Insulation", expiring on 01/11/2007.

F. STATEMENTS

1. Statement letter of conformance and "No financial interest", both dated 02/27/04, , signed by Kelvyn Whitfield, P. E..
2. Statement letter of compliance issued by Fenestration Testing Laboratory Inc., as part of above referenced test report.

G. OTHER

1. Manufacturer/Distributor agreement between Baron Metal Industry Inc. & Caferty Bld Products, dated July 30,2004 & May 19th, 2004, signed by respective officials.



Ishaq I. chanda, P.E.
Product Control Examiner
NOA No 04-0330.01
Expiration Date: September 02, 2009
Approval Date: September 02, 2004

GENERAL NOTES AND SPECIFICATIONS

1. DOOR FRAME SPECIFICATIONS (FS16 SERIES):

MATERIAL: FRAME, REINFORCEMENTS AND E.M.A. ANCHORS ARE MANUFACTURED FROM TENSION LEVELED STEEL, CONFORMING TO ASTM-A653CS (COMMERCIAL STEEL) TYPE B.
YIELD STRENGTH 30 KSI (MIN.) GALVANIZED TO ASTM-A924 COATING DESIGNATION ZF75, KNOWN COMMERCIALY AS PAINTABLE GALVANNEAL.

TYPE: 16 GAGE (.059"), DOUBLE RABBET (5 3/4" MIN.) AND 2" FACE FRAME.

CONSTRUCTION: MITERED CORNERS, INTERSECTING FACES CONTINUOUSLY WELDED ON THE INSIDE, INTERSECTIONS STOPS TACKS WELDED ON THE INSIDE, EXPOSED FACE GROUND SMOOTH, UNWELDED INTERIOR JOINT INTERSECTIONS, CAULKED WITH CLEAR GE SILICONE II.

REINFORCEMENTS: HINGES (10 GA. HIGH FREQUENCY TYPE)
STRIKES (12 GA. ASA TYPE, OR 18 GA. FLAT BAR TYPE)
CLOSER (16 GA. FLAT BAR, WERE SPECIFIED)

WALL ANCHORS: SIMPSON STRONG-TIE, SLEEVE ANCHOR SIZE 3/8" x 5" MODEL No. SL375PF. SUPPORTED AT THE JAMBS BY E.M.A. ANCHOR No. P-04 TACK WELDED TO THE FRAME PROFILE IN FOUR PLACES.

FLOOR ANCHORS: ONE 16 GA. (.059") FLOOR ANCHOR PROJECTION, WELDED TO BOTTOM OF EACH JAMB (SEE DETAIL A)

2. DOOR SPECIFICATIONS (B20 SERIES):

MATERIAL: FACE SHEETS 20 GA. (.033"), COMPONENTS AND REINFORCEMENTS MANUFACTURED FROM TENSION LEVELED STEEL, CONFORMING TO ASTM A653 CS (COMMERCIAL STEEL) TYPE B.
YIELD STRENGTH 36.7 KSI (MIN.) GALVANIZED TO ASTM-A924 COATING DESIGNATION ZF75, KNOWN COMMERCIALY AS PAINTABLE GALVANNEAL.

CONSTRUCTION: 1 3/4" THICK, 20 GA. (.033") FACE SHEETS, PAPER HONEYCOMB CORE FULL FLUSH, INTERLOCKING EDGE SEAMS COMMERCIAL SWINGING DOOR.

HONEYCOMB CORE: UNEXPANDED 33 lb/1000 sq. ft. wt. 180 PLY SINGLE GLUE LINE, 1" CELL, 1.1 lb/cu. ft. DENSITY (EXPANDED)
23 in. lb./sq. in. COMPRESSIVE STRENGTH (ASTM C-365),
3900 in. lb./sq. in. COMPRESSIVE MODULES (EC),
17 in. lb./sq. in. SHEAR STRENGTH IN LENGTH (ASTM C-273)
13 in. lb./sq. in. SHEAR STRENGTH IN WIDTH (ASTM C-273)
3400 in. lb./sq. in. SHEAR MODULES (GC) IN LENGTH
1600 in. lb./sq. in. SHEAR MODULES (GC) IN WIDTH

EPS POLYSTYRENE CORE (OPTIONAL) BY APACHE PRODUCTS COMPANY PER CURRENT NOA.
CORE IS BONDED TO FACE SHEETS WITH SPRAY APPLIED NACAN #34-9014 REACTIVE HOT MELT POLYURETHANE ADHESIVE, WITH ISOCYANATE CATALYZING AGENT (APPLICATION RATE: 8 g/sq. ft.)

TOP & BOTTOM: 16 GA. INVERTED END CHANNELS PROJECTION, WELDED TO FACE SHEETS.

REINFORCEMENTS: HINGES (10 GA. HIGH FREQUENCY TYPE)
LOCKS (12 GA. CYLINDRICAL TYPE, 16 GA. MORTISE TYPE AND RIM EXIT DEVICE; SEE CORRESPONDING ELEVATION)

HARDWARE: BUTT TYPE HINGES, 4 1/2" x 4 1/2" (THREE PER LEAF "GLOBAL" IP4545BBNRP SERIES, WITH EIGHT 1/2" x 12-24 FH.MS. PER HINGE)
FLUSHBOLTS (TWO ON EACH INACTIVE LEAF, "IVES" 458 SERIES)
PASSAGE SET (ONE ON ACTIVE LEAF, "GLOBAL" IL-1100 SERIES), AND
DEADBOLTS (ONE ON ACTIVE LEAF, "GLOBAL" ID-160 SERIES), OR
MORTISE LOCK (ONE ON ACTIVE LEAF, "YALE" 8700 SERIES), OR
RIM PANIC EXIT DEVICE (ON EACH ACTIVE LEAF, "MONARCH" 18-R SERIES WITH 570F STRIKE PLATE), INSTALLED WITH REMOVABLE "MONARCH" SERIES F4023 POST MULLION FOR DOUBLE DOORS.

FINISH: TOUGH-UP, WITH OPTIONAL ZINC RICH PRIMER.

3. SHUTTERS REQUIREMENT: SHUTTERS NOT REQUIRED (LARGE MISSILE IMPACT RESISTANT)

DESIGN PRESSURE RATINGS

(OUTSWING DOORS)

		EXTERIOR (PSF)	INTERIOR (PSF)
SINGLE DOOR	1" HIGH THRESHOLD (2005 AS)	+85.0	-85.0
	1/2" HIGH THRESHOLD (2005 AV)	NOT APPROVED* (SEE NOTE BELOW)	NOT APPROVED* (SEE NOTE BELOW)
PAIR DOOR	1" HIGH THRESHOLD (2005 AS)	+75.0	-75.0
	1/2" HIGH THRESHOLD (2005 AV)	NOT APPROVED* (SEE NOTE BELOW)	NOT APPROVED* (SEE NOTE BELOW)

(*) UNLESS UNIT INSTALLED IN THE NON-HABITABLE AREAS WHEN WATER INFILTRATION REQUIREMENTS ARE NOT NEEDED, OR UNITS INSTALLED AT LOCATIONS PROTECTED BY OVERHANG, SINCE THAT OVERHANG RATIO (OR)= OH (LENGTH)/O.H. (HEIGHT) GREATER THAN ONE (1).

EGRESS/ESCAPE REQUIREMENTS:
COMPLIANCE OF THESE DOORS TO FLORIDA BUILDING CODE FOR EGRESS/ESCAPE APPLICATION TO BE REVIEWED BY BLDG. OFFICIAL PER CASE BY CASE BASIS.

Approved as complying with the
Florida Building Code
Date SEPTEMBER 02, 2004
NOA# 04-0330-01
Miami Dade Product Control
Division
By Shag I. Chanda

KELVYN WHITFIELD, P.E.
1002 N.E. 116th STREET
MIAMI, FL 33161

Kelwyn Whitfield
8/11/04

FLORIDA No.24140, MECHANICAL

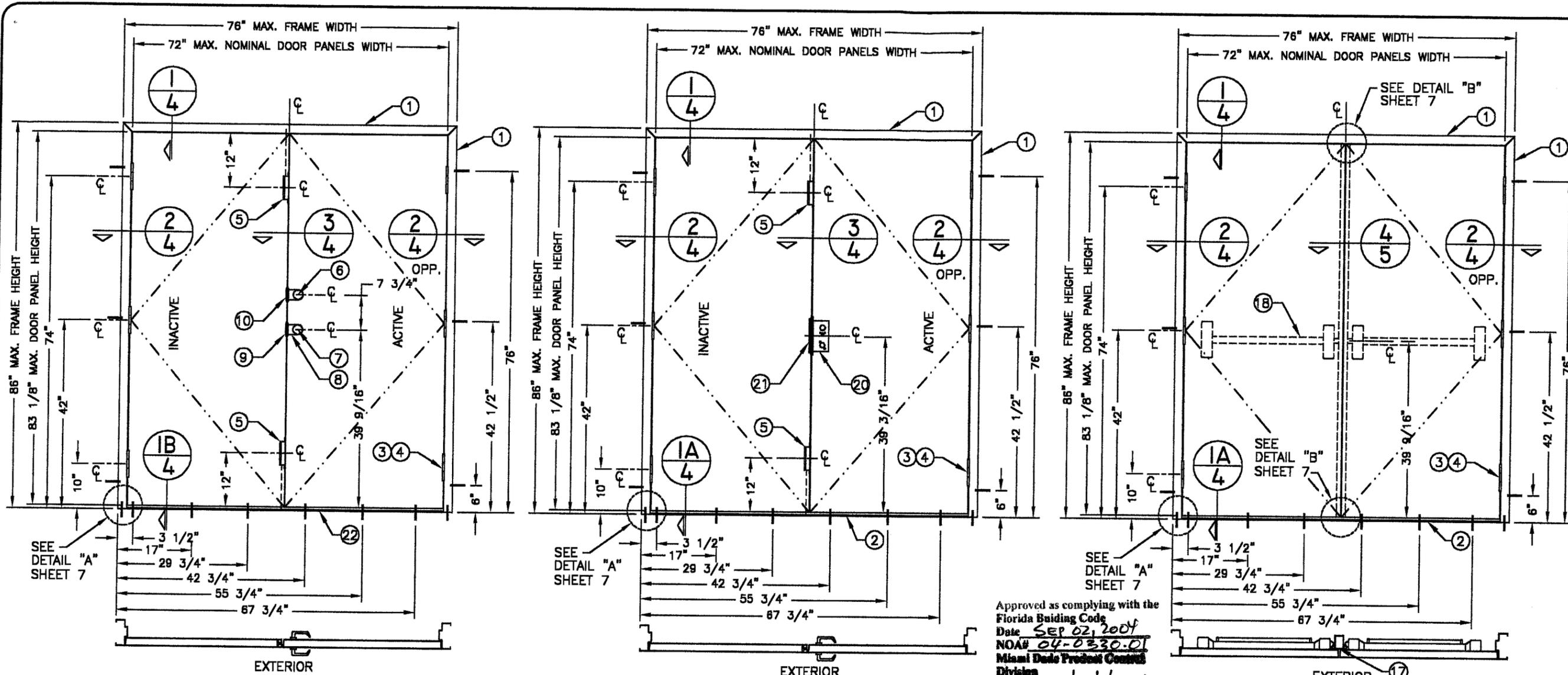
Baron Metal Industries, Inc.
101 ASHBURIDGE CIRCLE
WOODBRIDGE, ONTARIO, CANADA L4L 3R5
PHONE: (416) 749-2111 FAX: (905) 851-8346

DWC. TITLE: GENERAL NOTES AND SPECIFICATIONS

SERIES FS16/B20 FLUSH STEEL
OUT-SWING ENTRANCE DOOR
(LARGE MISSILE IMPACT)

REVISIONS		REV. PER BCCO COMMENTS		REV. PER BCCO COMMENTS		DESCRIPTION	
No.	DATE	BY	BY	BY	BY	BY	DESCRIPTION
3	8/10/04	RP	REV.	PER	BCCO	COMMENTS	
2	7/29/04	RP	REV.	PER	BCCO	COMMENTS	
1	6/4/04	RP	REV.	PER	BCCO	COMMENTS	

DATE: 02/10/2004	SCALE: N.T.S.	DWG. BY: R.I.P.	CHK. BY:
DRAWING No.: BM-001			
SHEET 1 OF 7			



OPTION 1-A (PAIR DOOR)

HARDWARE PACKAGE: "GLOBAL" PASSAGE SET (IL-1100 SERIES)
 "GLOBAL" DEADBOLT (ID-160 SERIES)
 "IVES" FLUSHBOLTS (458 SERIES)
 "GLOBAL" HINGES (IP4545BBNRP SERIES)
 THRESHOLD: "PEMCO" (2005 AS SERIES), 1" HIGH BUMPER TYPE
 ASTRAGAL: "PEMCO" (375CR SERIES), ONE AT EACH DOOR PANEL
 CORE: a) HONEYCOMB 1" CELL, 1.1 lb/cu.ft DENSITY
 b) POLYSTYRENE FOAM (OPTIONAL) BY APACHE PRODUCTS CO.

OPTION 2-A (PAIR DOOR)

HARDWARE PACKAGE: "YALE" MORTISE LOCK W/DEADBOLT (8700 SERIES)
 "IVES" FLUSHBOLTS (458 SERIES)
 "GLOBAL" HINGES (IP4545BBNRP SERIES)
 THRESHOLD: "PEMCO" (2005 AV SERIES), 1/2" HIGH BUMPER TYPE
 ASTRAGAL: "PEMCO" (375CR SERIES), ONE AT EACH DOOR PANEL
 CORE: a) HONEYCOMB 1" CELL, 1.1 lb/cu.ft DENSITY
 b) POLYSTYRENE FOAM (OPTIONAL) BY APACHE PRODUCTS CO.

OPTION 3-A (PAIR DOOR)

HARDWARE PACKAGE: "MONARCH" RIM PANIC EXIT DEVICE (18-R SERIES),
 W/570F STRIKE PLATE, INSTALLED WITH "MONARCH"
 REMOVABLE POST MULLION (F4023 SERIES)
 "GLOBAL" HINGES (IP4545BBNRP SERIES)
 THRESHOLD: "PEMCO" (2005 AV SERIES), 1/2" HIGH BUMPER TYPE
 CORE: a) HONEYCOMB 1" CELL, 1.1 lb/cu.ft DENSITY
 b) POLYSTYRENE FOAM (OPTIONAL) BY APACHE PRODUCTS CO.

Approved as complying with the
 Florida Building Code
 Date SEP 02, 2004
 NOA# 04-0330-01
 Miami Dade Product Control
 Division
 By Shag L. L. L...

DESIGN PRESSURE RATING (PAIR DOOR)		
1" HIGH THRESHOLD (2005 AS)	EXTERIOR (PSF)	INTERIOR (PSF)
	+75.0	-75.0

DESIGN PRESSURE RATING (PAIR DOOR)		
1/2" HIGH THRESHOLD (2005 AV)	EXTERIOR (PSF)	INTERIOR (PSF)
	NOT APPROVED* (SEE NOTE BELOW)	NOT APPROVED* (SEE NOTE BELOW)

(*) UNLESS UNIT INSTALLED IN THE NON-HABITABLE AREAS WHEN WATER INFILTRATION REQUIREMENTS ARE NOT NEEDED, OR UNITS INSTALLED AT LOCATIONS PROTECTED BY OVERHANG, SINCE THAT OVERHANG RATIO (OR)= OH (LENGTH)/O.H. (HEIGHT) GREATER THAN ONE (1).

EGRESS/ESCAPE REQUIREMENTS:
 COMPLIANCE OF THESE DOORS TO FLORIDA BUILDING CODE FOR EGRESS/ESCAPE APPLICATION TO BE REVIEWED BY BLDG. OFFICIAL PER CASE BY CASE BASIS.

KELVYN WHITFIELD, P.E.
 1002 N.E. 116th STREET
 MIAMI, FL 33161

[Signature]
 8/11/04
 FLORIDA No.24140, MECHANICAL

TYPICAL ELEVATIONS VIEWED FROM EXTERIOR

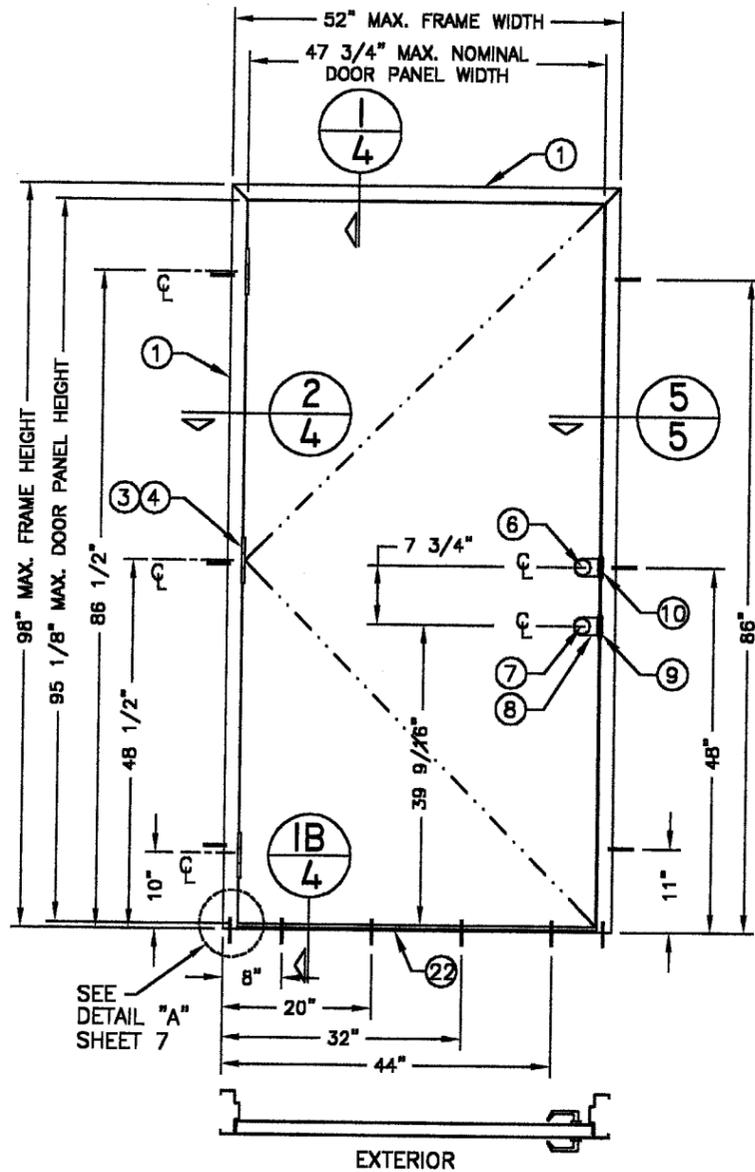
Baron Metal Industries, Inc.
 101 ASHERIDGE CIRCLE
 WOODBRIDGE, ONTARIO, CANADA L4L 3R5
 PHONE: (416) 749-2111 FAX: (905) 851-8346
 DWG. TITLE: PAIR DOOR ELEVATIONS

SERIES FS16/B20 FLUSH STEEL
 OUT-SWING ENTRANCE DOOR
 (LARGE MISSILE IMPACT)

REVISIONS	NO.	DATE	BY	DESCRIPTION
	3	8/10/04	RP	REV. PER BECCO COMMENTS
	2	7/29/04	RP	REV. PER BECCO COMMENTS
	1	6/4/04	RP	REV. PER BECCO COMMENTS

DATE: 02/10/2004
 SCALE: 1/2" = 12"
 DWG. BY: R.P.
 CHK. BY:

DRAWING No.:
BM-001
 SHEET 2 OF 7



OPTION 5-A (SINGLE DOOR)

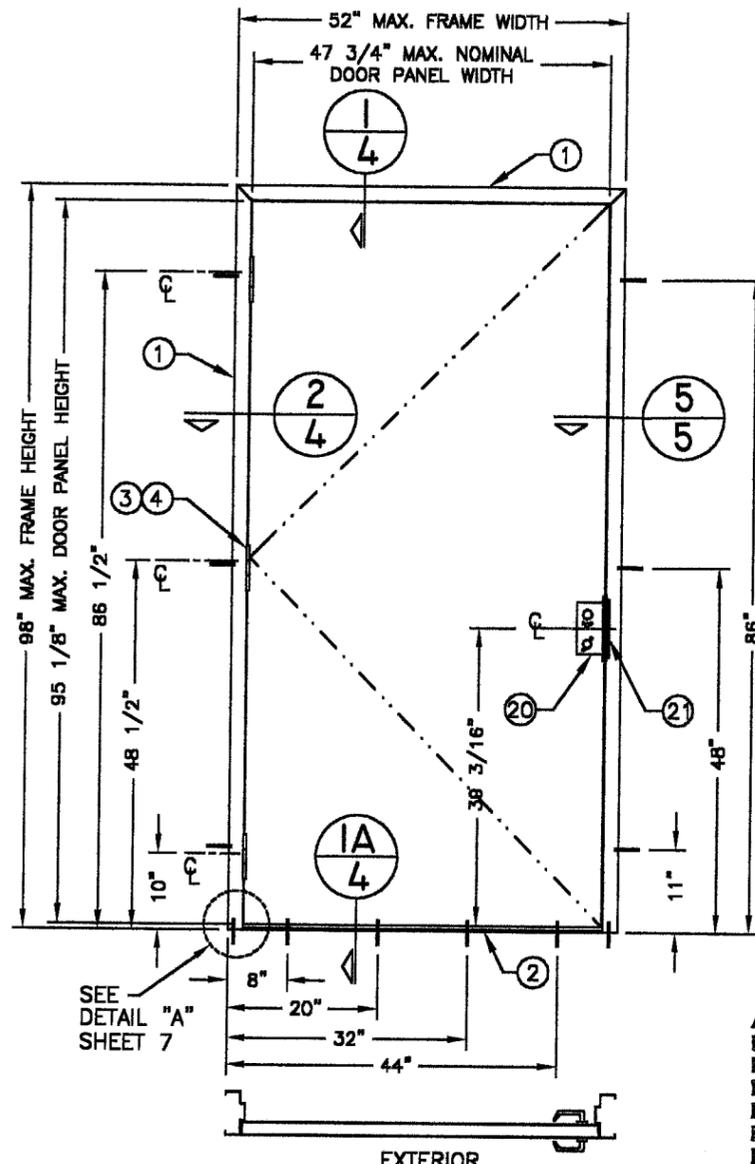
HARDWARE PACKAGE: "GLOBAL" PASSAGE SET (IL-1100 SERIES)
"GLOBAL" DEADBOLT (ID-180 SERIES)
"GLOBAL" HINGES (IP4545BBNRP SERIES)

THRESHOLD: "PEMCO" (2005 AS SERIES), 1" HIGH BUMPER TYPE

CORE: a) HONEYCOMB 1" CELL, 1.1 lb/cu.ft DENSITY

b) POLYSTYRENE FOAM (OPTIONAL) BY APACHE PRODUCTS CO.

DESIGN PRESSURE RATING (SINGLE DOOR)		
1" HIGH THRESHOLD (2005 AS)	EXTERIOR (PSF)	INTERIOR (PSF)
	+85.0	-85.0



OPTION 6-A (SINGLE DOOR)

HARDWARE PACKAGE: "YALE" MORTISE LOCK W/DEADBOLT (8700 SERIES)
"GLOBAL" HINGES (IP4545BBNRP SERIES)

THRESHOLD: "PEMCO" (2005 AV SERIES), 1/2" HIGH BUMPER TYPE

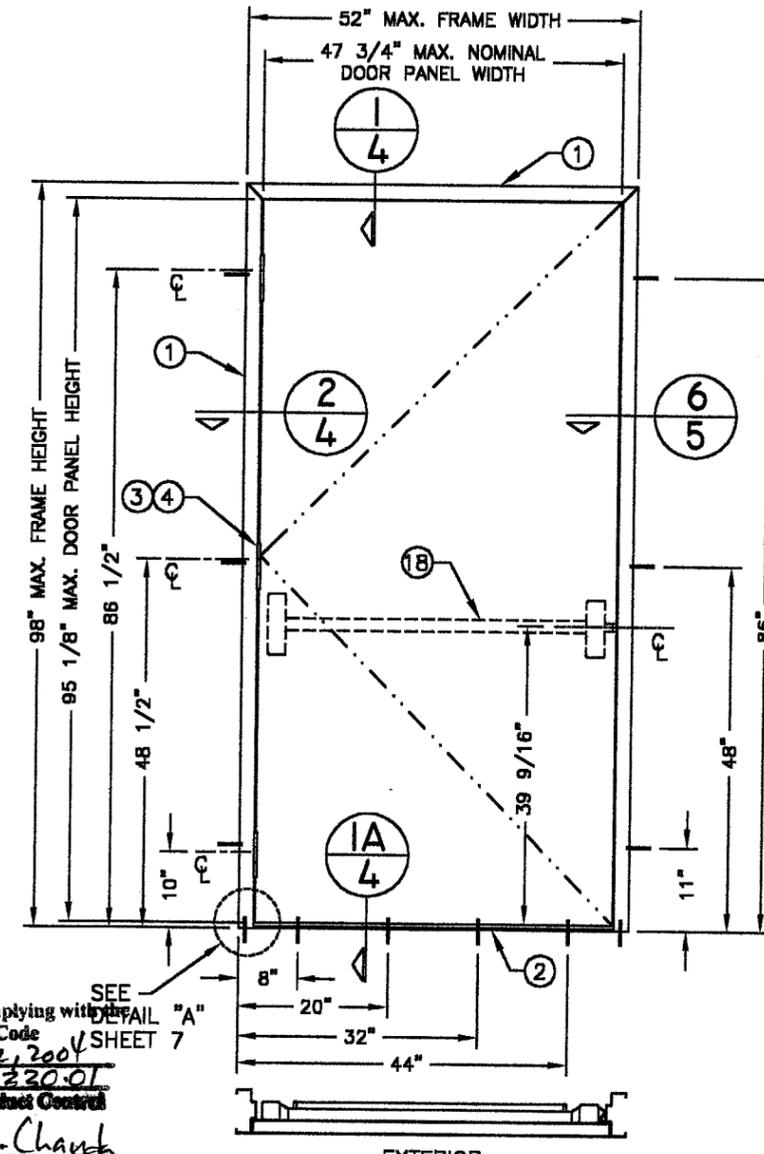
CORE: a) HONEYCOMB 1" CELL, 1.1 lb/cu.ft DENSITY

b) POLYSTYRENE FOAM (OPTIONAL) BY APACHE PRODUCTS CO.

DESIGN PRESSURE RATING (SINGLE DOOR)		
1/2" HIGH THRESHOLD (2005 AV)	EXTERIOR (PSF)	INTERIOR (PSF)
	NOT APPROVED* (SEE NOTE BELOW)	NOT APPROVED* (SEE NOTE BELOW)

(*) UNLESS UNIT INSTALLED IN THE NON-HABITABLE AREAS WHEN WATER INFILTRATION REQUIREMENTS ARE NOT NEEDED, OR UNITS INSTALLED AT LOCATIONS PROTECTED BY OVERHANG, SINCE THAT OVERHANG RATIO (OR)= OH (LENGTH)/O.H. (HEIGHT) GREATER THAN ONE (1).

Approved as complying with the Florida Building Code
Date SEP 02, 2004
NOA# 04-2330-01
Miami Dade Product Control Division
By Shag I. Clark



OPTION 7-A (SINGLE DOOR)

HARDWARE PACKAGE: "MONARCH" RIM PANIC EXIT DEVICE (18-R SERIES), WITH STRIKE PLATE (570F SERIES)
"GLOBAL" HINGES (IP4545BBNRP SERIES)

THRESHOLD: "PEMCO" (2005 AV SERIES), 1/2" HIGH BUMPER TYPE

CORE: a) HONEYCOMB 1" CELL, 1.1 lb/cu.ft DENSITY

b) POLYSTYRENE FOAM (OPTIONAL) BY APACHE PRODUCTS CO.

KELVYN WHITFIELD, P.E.
1002 N.E. 116th STREET
MIAMI, FL 33161

8/11/04
FLORIDA No.24140, MECHANICAL

Baron Metal Industries, Inc.
101 ASHBURGE CIRCLE
WOODBURGE, ONTARIO, CANADA L4L 3R5
PHONE: (416) 749-2111 FAX: (905) 851-8346

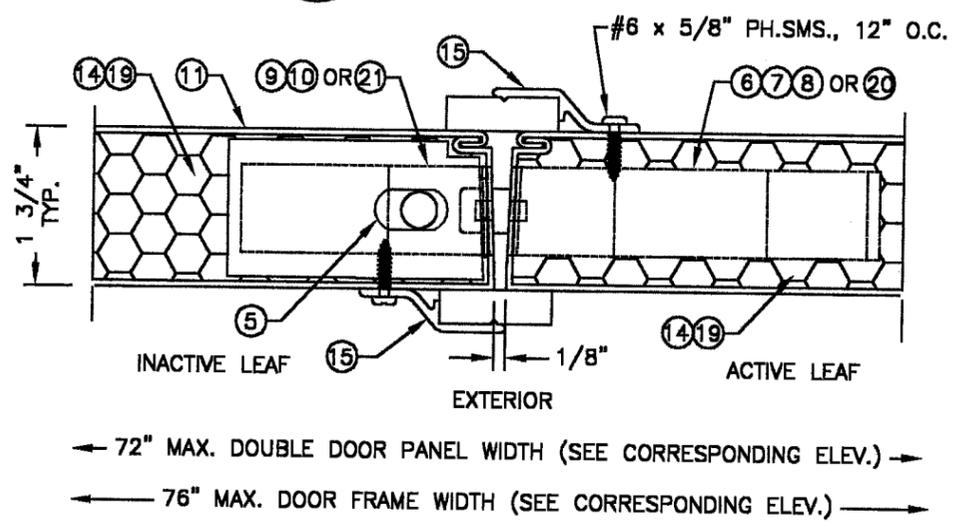
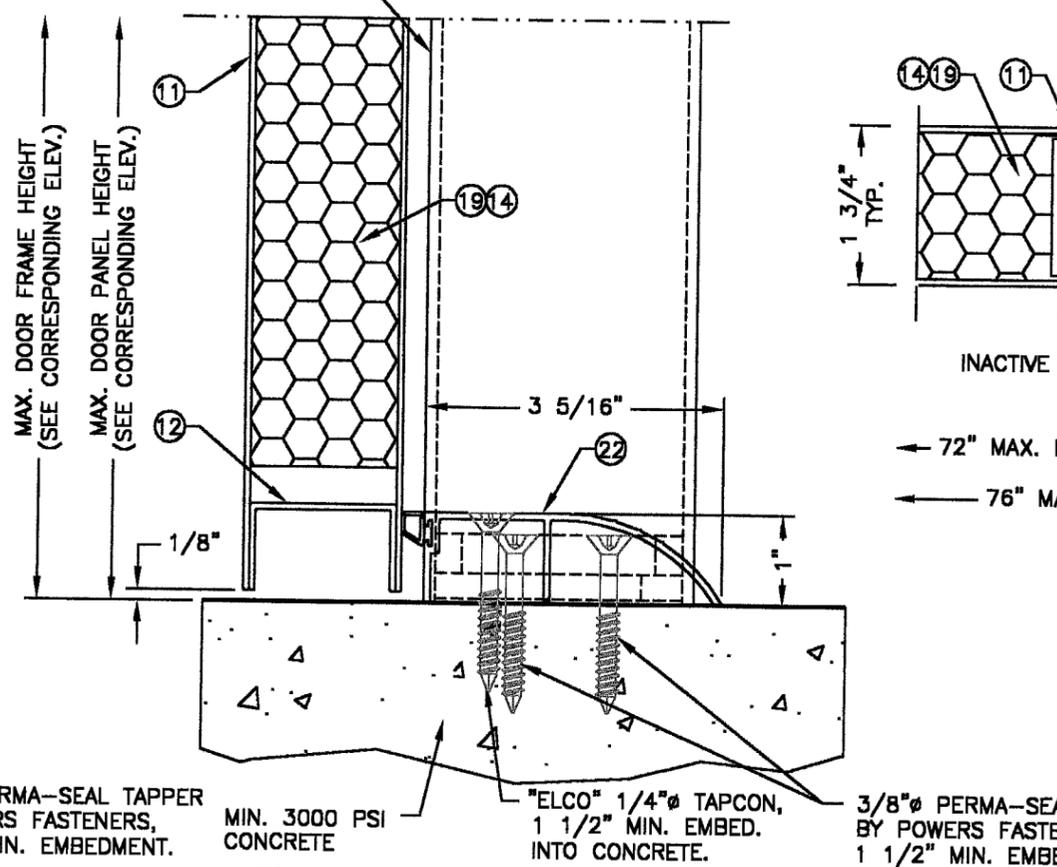
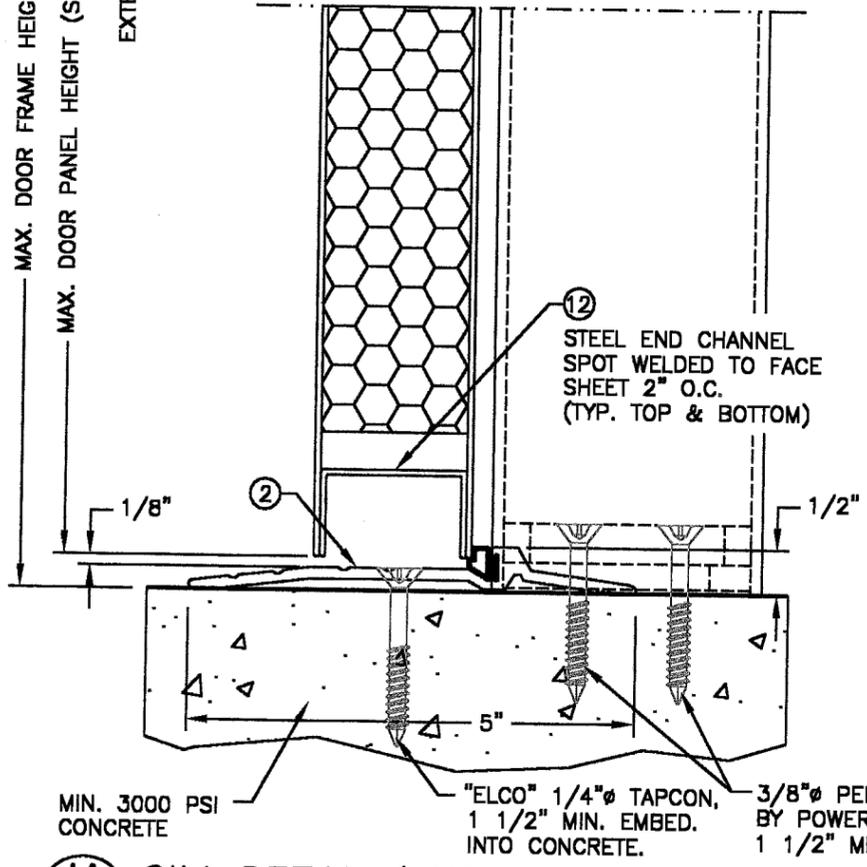
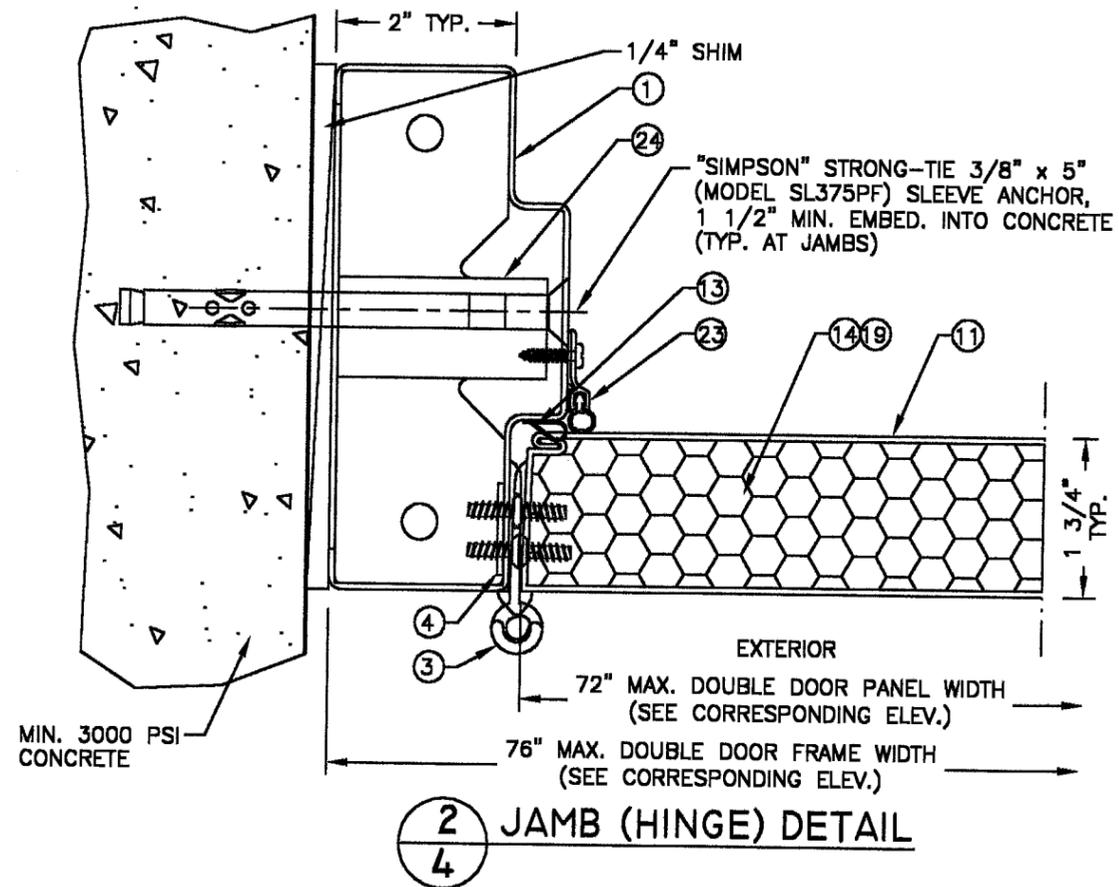
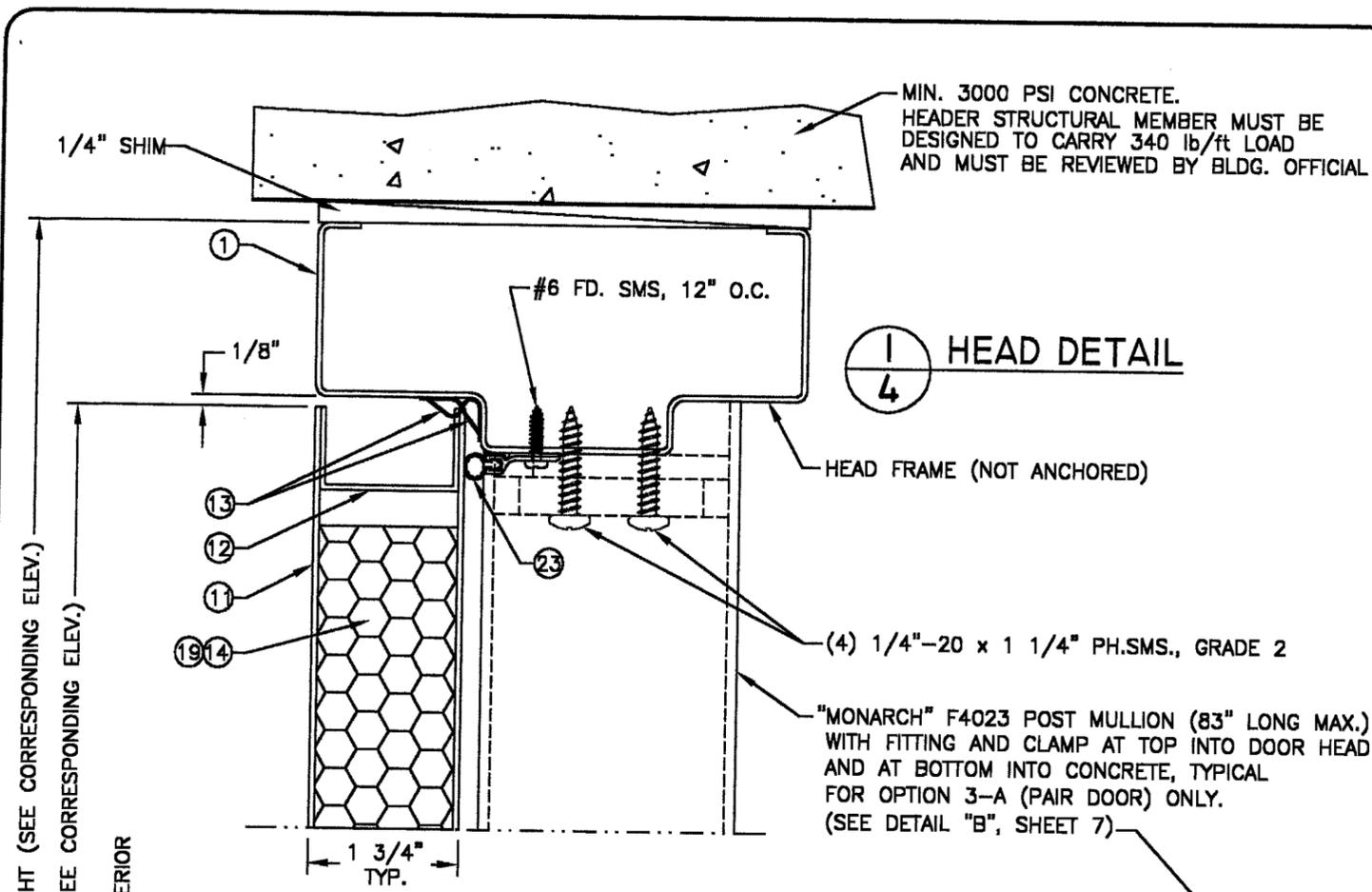
DWG. TITLE: SINGLE DOOR ELEVATIONS

SERIES FS16/B20 FLUSH STEEL
OUT-SWING ENTRANCE DOOR
(LARGE MISSILE IMPACT)

REV.	DATE	BY	DESCRIPTION
3	8/10/04	RP	REV. PER BCCO COMMENTS
2	7/29/04	RP	REV. PER BCCO COMMENTS
1	6/4/04	RP	REV. PER BCCO COMMENTS

DATE: 02/10/2004
SCALE: N.T.S.
DWG. BY: R.P.
CHK. BY:

DRAWING No.:
BM-001
SHEET 3 OF 7



Approved as complying with the Florida Building Code
 Date SEP 02, 2004
 NOA# 04-0330-01
 Miami Dade Product Control Division
 By [Signature]

KELVYN WHITFIELD, P.E.
 1002 N.E. 116th STREET
 MIAMI, FL 33161

[Signature]
 8/11/04

FLORIDA No.24-140, MECHANICAL

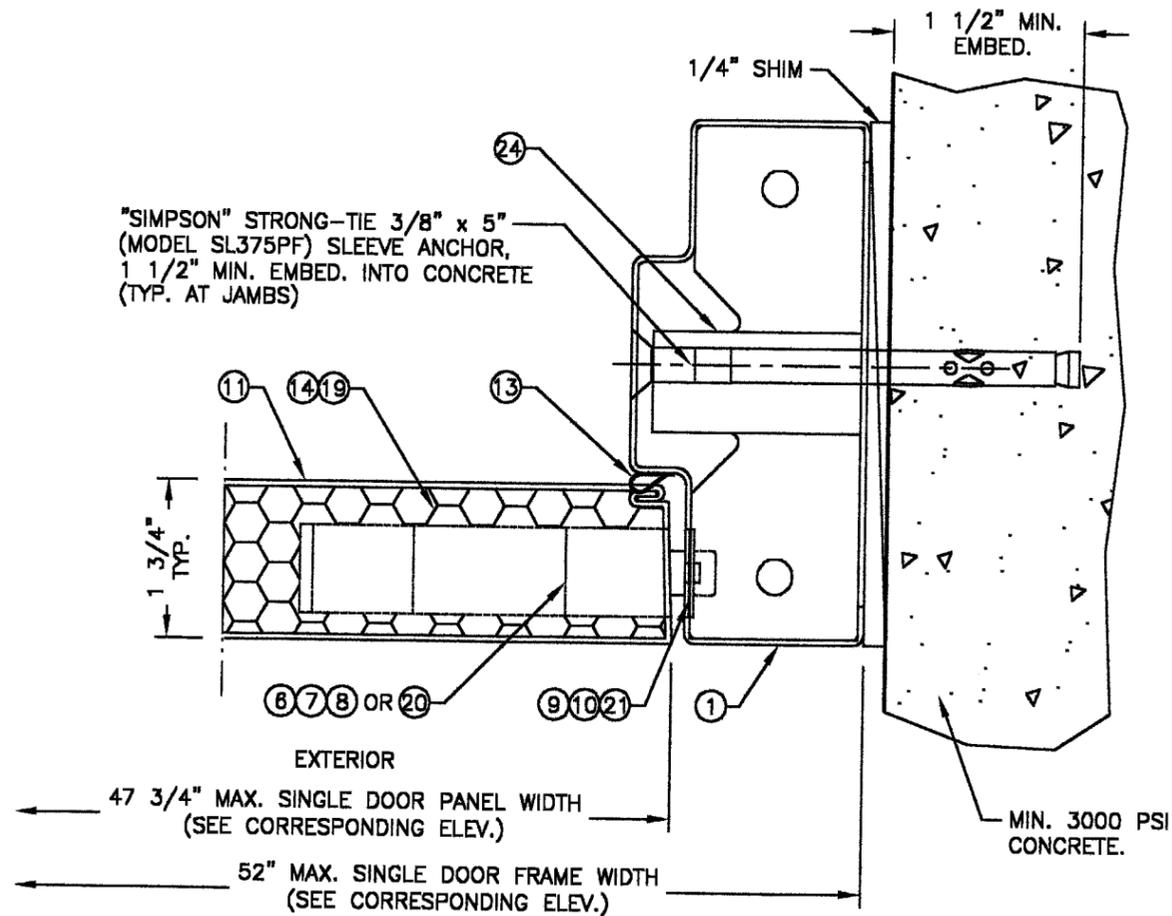
Baron Metal Industries, Inc.
 101 ASHBURGE CIRCLE
 WOODBRIDGE, ONTARIO, CANADA L4L 3R5
 PHONE: (416) 749-2111 FAX: (905) 851-8348
 DWG. TITLE: CROSS SECTIONS AND DETAILS

SERIES FS16/B20 FLUSH STEEL
 OUT-SWING ENTRANCE DOOR
 (LARGE MISSILE IMPACT)

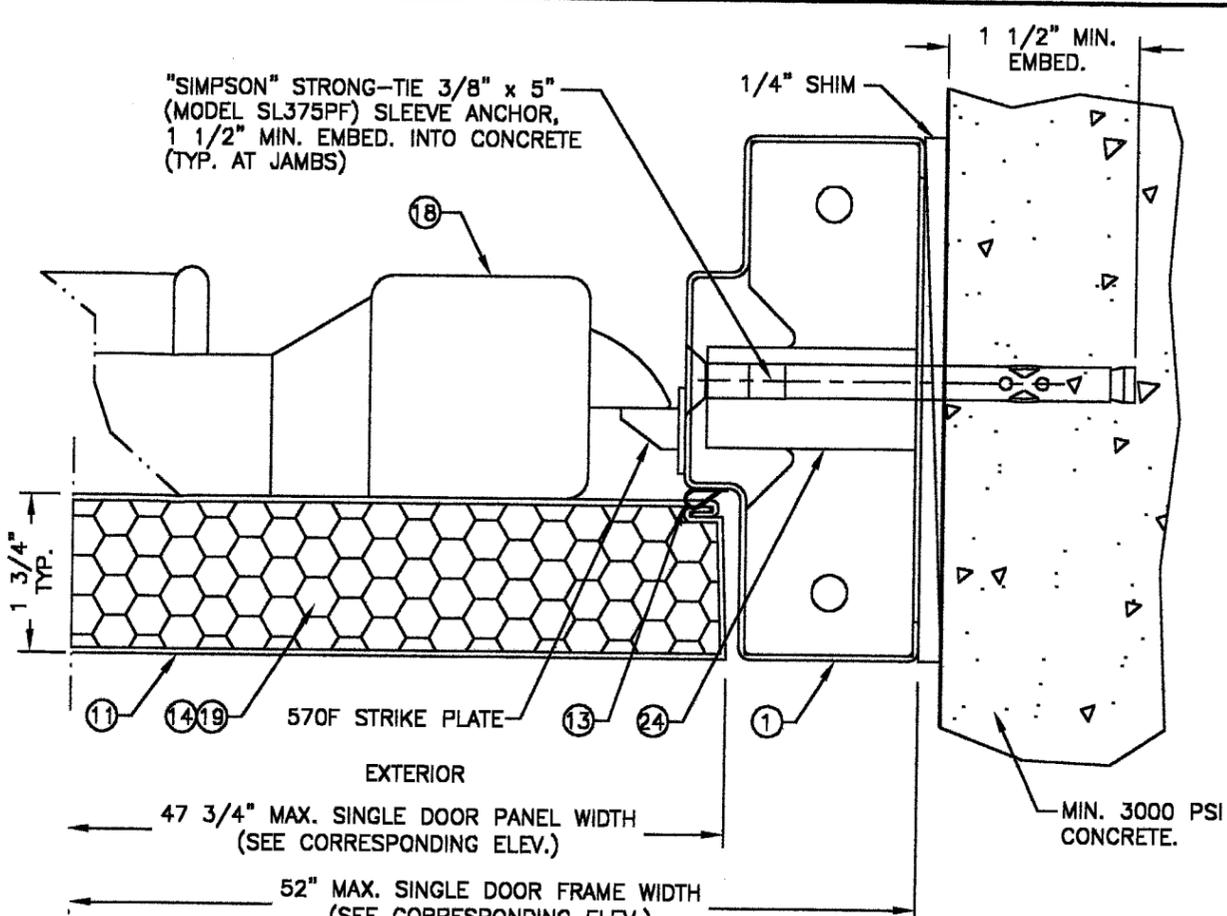
REVISIONS	DATE	BY	DESCRIPTION
3	8/10/04	RP	REV. PER BCCO COMMENTS
2	7/28/04	RP	REV. PER BCCO COMMENTS
1	6/4/04	RP	REV. PER BCCO COMMENTS

DATE: 02/10/2004
 SCALE: 1/2" = 12"
 DWG. BY: R.P.
 CHK. BY:

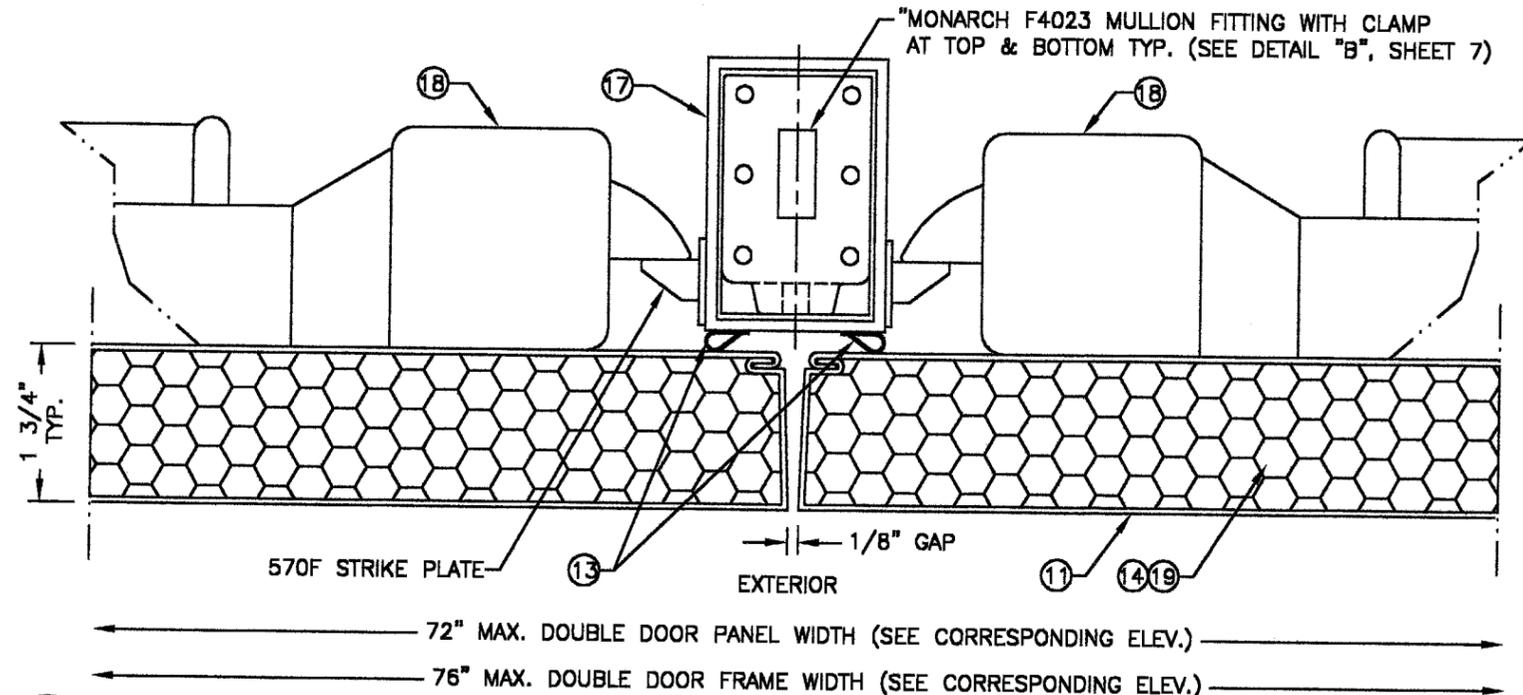
DRAWING No.: BM-001
 SHEET 4 OF 7



5 JAMB (LOCK) DETAIL



6 JAMB (LOCK) DETAIL



4 ASTRAGAL DETAIL (MONARCH SERIES 18-R PANIC & 570F STRIKE PLATE AND MONARCH F4023 SERIES REMOVABLE MULLION)

Approved as complying with the Florida Building Code
 Date SEP 02, 2004
 NOA# 04-0030-01
 Miami Dade Product Control Division
 By Shaq I. Chanda

KELVYN WHITFIELD, P.E.
 1002 N.E. 116th STREET
 MIAMI, FL 33161

[Signature]
 8/11/04

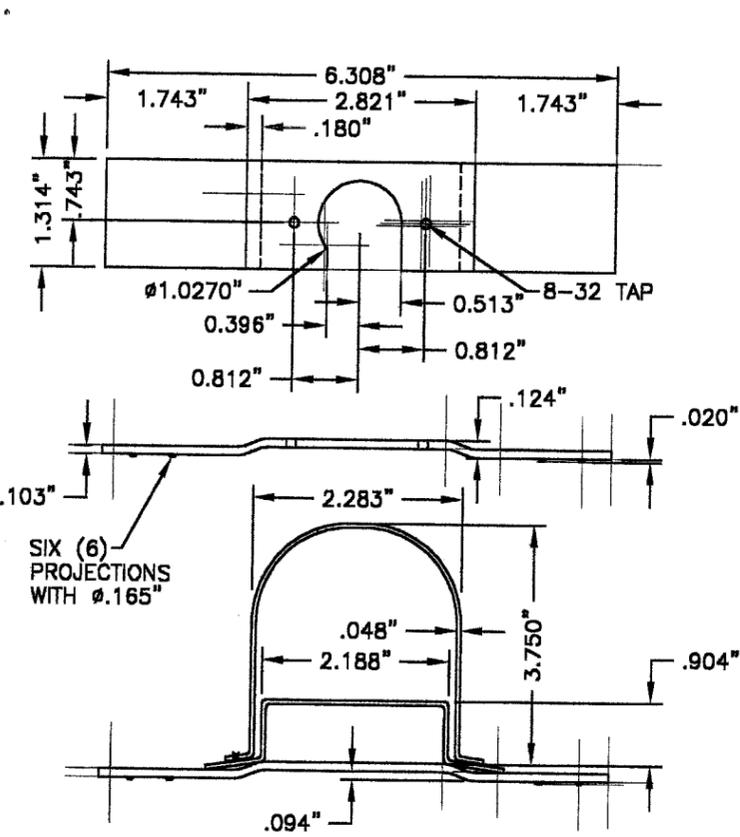
FLORIDA No.24140, MECHANICAL

Baron Metal Industries, Inc.
 101 ASHBURGE CIRCLE
 WOODBRIDGE, ONTARIO, CANADA L4L 3R5
 PHONE: (416) 749-2111 FAX: (905) 851-8346

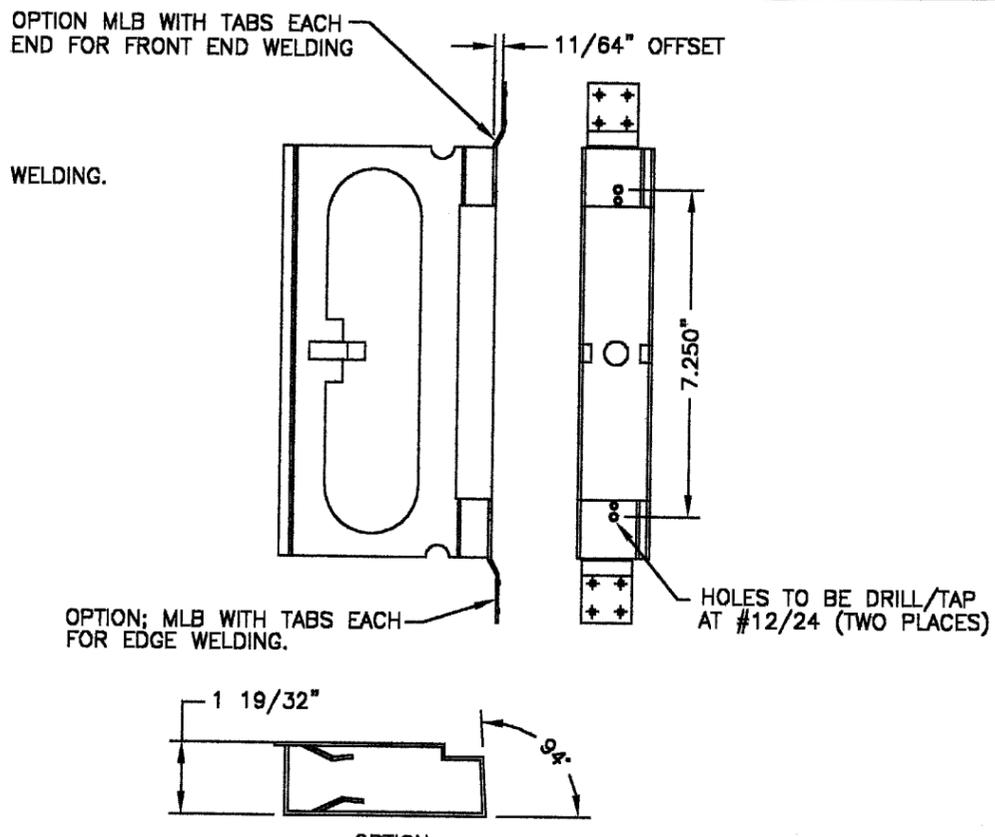
**SERIES FS16/B20 FLUSH STEEL
 OUT-SWING ENTRANCE DOOR
 (LARGE MISSILE IMPACT)**

REVISIONS	
No.	DESCRIPTION
3	8/10/04 RP/REV. PER BCCO COMMENTS
2	7/29/04 RP/REV. PER BCCO COMMENTS
1	8/4/04 RP/REV. PER BCCO COMMENTS

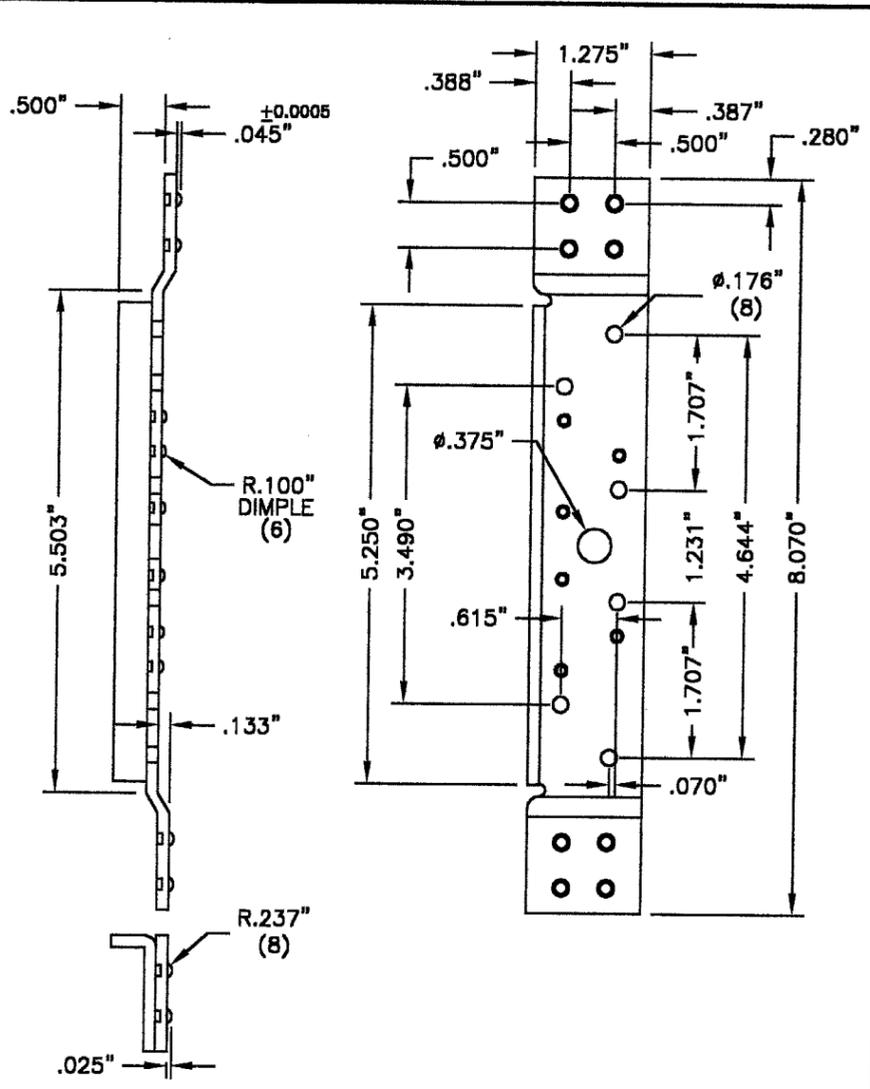
DATE: 02/10/2004	SCALE: HALF SIZE	DWG. BY: R.P.	CHK. BY:
DRAWING No.: BM-001			
SHEET 5 OF 7			



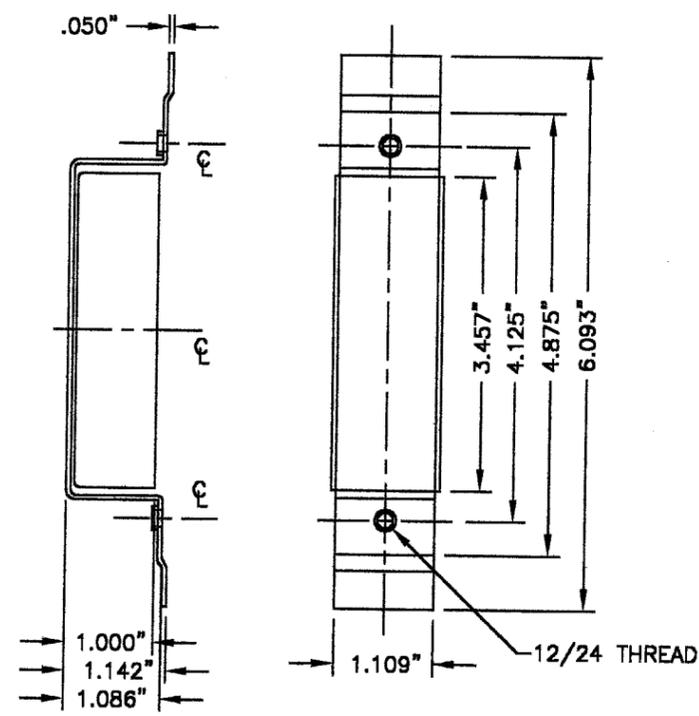
12 GA. STANDARD 2 3/4" BACKSET LOCK REINFORCEMENT



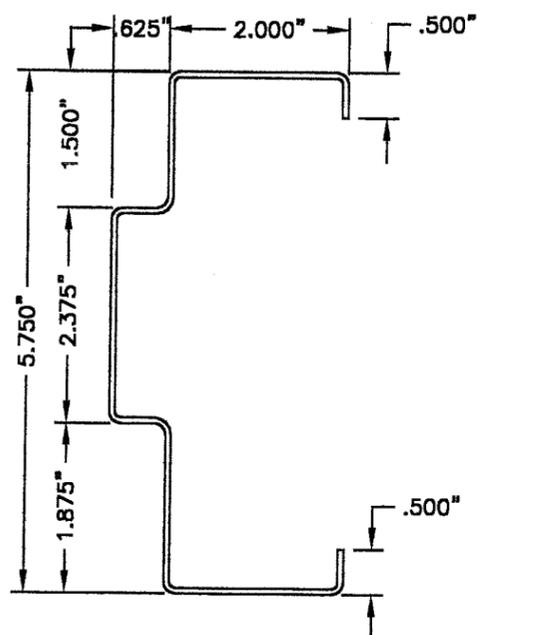
UNIVERSAL MORTISE LOCK BOX REINFORCEMENT



10 GA. STANDARD HIGH FREQUENCY HINGE REINFORCEMENT



18 GA. A.S.A. STRIKE PLATE REINFORCEMENT WITH BOX



16 GA. (.059") STEEL DOOR FRAME PROFILE

Approved as complying with the Florida Building Code
 Date SEP 02, 2004
 NOA# 04-0330-01
 Miami Dade Product Control
 Division
 By Shag L. Landa

KELVYN WHITFIELD, P.E.
 1002 N.E. 116th STREET
 MIAMI, FL 33161

 8/11/04
 FLORIDA No.24140, MECHANICAL

Baron Metal Industries, Inc.
 101 ASHBRIDGE CIRCLE
 WOODBRIDGE, ONTARIO, CANADA L4L 3R5
 PHONE: (416) 749-2111 FAX: (905) 851-8346
 DWG. TITLE: DETAILS

SERIES FS16/B20 FLUSH STEEL
 OUT-SWING ENTRANCE DOOR
 (LARGE MISSILE IMPACT)

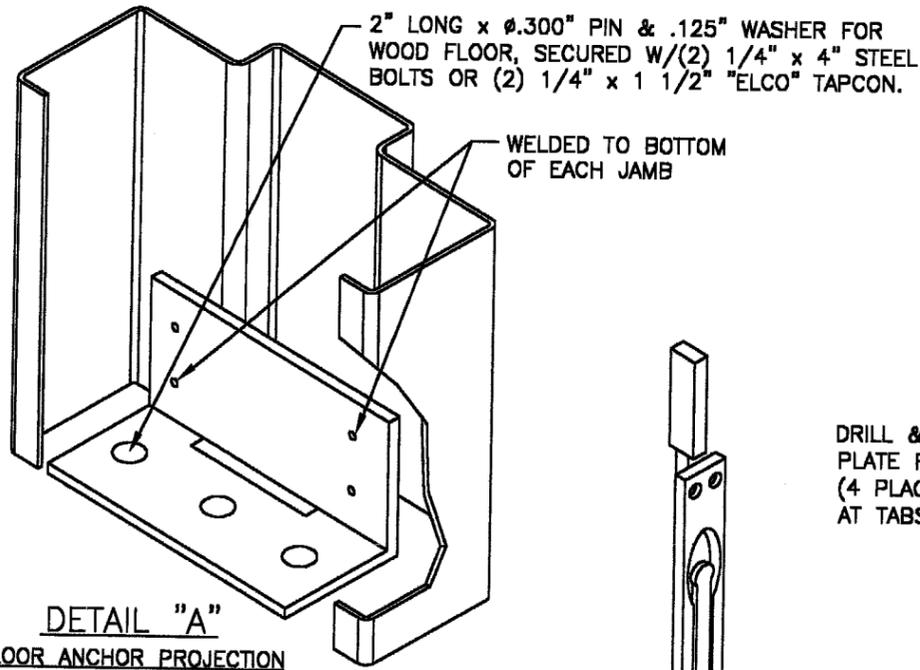
REVISIONS		DESCRIPTION	
No.	DATE	BY	DESCRIPTION
3	8/10/04	RP	REV. PER BCCO COMMENTS
2	7/29/04	RP	REV. PER BCCO COMMENTS
1	8/4/04	RP	REV. PER BCCO COMMENTS

DATE: 02/10/2004
 SCALE: N.T.S.
 DWG. BY: R.P.
 CHK. BY:

DRAWING No.:
BM-001
 SHEET 6 OF 7

BILL OF MATERIALS

ITEM	PART No.	MATERIAL	QUANTITY	DESCRIPTION	LOCATION
1	FS16	STEEL (16 GA.)	1	DOOR FRAME PROFILE (YIELD STRENGTH 36.7 KSI MIN.)	FRAME HEAD AND JAMBS
2	2005 AV	ALUMINUM	1	"PEMCO" 1/2" HIGH BUMPER TYPE THRESHOLD	FRAME SILL
3	CP4545BBNRP	STEEL	3 PER LEAF	HINGE ASSEMBLY	FRAME JAMBS
4	----	STEEL (10 GA.)	1 PER HINGE	HIGH FREQUENCY HINGE REINFORCEMENT	FRAME JAMB HINGE LOCATIONS
5	No. 458-12"	BRASS	2	"IVES" FLUSHBOLT ASSEMBLY	INACTIVE LEAF
6	IL-1100	----	1	"GLOBAL" PASSAGE LOCKSET	ACTIVE LEAF
7	ID-160	----	1	"GLOBAL" DEADBOLT	ACTIVE LEAF
8	----	STEEL (18 GA.)	2	2 3/4" BACKSET REINFORCEMENT	ACTIVE LEAF (LOCKSET & DEADBOLT)
9	----	STEEL (12 GA.)	1	LOCKSET STRIKE PLATE REINFORCEMENT	INACTIVE LEAF STRIKE EDGE
10	----	STEEL (12 GA.)	1	DEADBOLT STRIKE PLATE REINFORCEMENT	INACTIVE LEAF STRIKE EDGE
11	B20	STEEL (20 GA.)	----	FACE SHEET (YIELD STRENGTH 36.7 KSI MIN.)	DOOR PANELS (INTERIOR & EXTERIOR)
12	----	STEEL (16 GA.)	2/LEAF	END CHANNEL (FULL LENGTH)	DOOR PANEL TOP/BOTTOM, SPOT WELDED
13	S88D	WEATHERSTRIP	AS REQ'D.	"PEMCO" WEATHERSTRIP	FRAME PERIMETER (HEAD & JAMBS)
14	----	----	AS REQ'D.	HONEYCOMB CORE (1" CELL, 1.1lb/sq.ft DENSITY)	DOOR PANELS
15	375CR	ALUMINUM	1 PER LEAF	"PEMCO" ASTRAGAL (PAIR DOOR A-1 & A2 OPTIONS)	DOOR PANEL EDGE
16	872S	ALUMINUM	1	"HAGER" ASTRAGAL (PAIR DOOR A-3 OPTION ONLY)	DOOR PANEL EDGE
17	F4023	STEEL	1	"MONARCH" 2" x 3" REMOVABLE POST MULLION W/570F STRIKE PLATE	CENTER LINE OF DOOR (ON THE INTERIOR)
18	18-R	STEEL	1 PER LEAF	"MONARCH" RIM PANIC EXIT DEVICE W/570F STRIKE PLATE	DOOR PANEL (ON THE INTERIOR)
19	----	POLYSTYRENE	AS REQ'D.	POLYSTYRENE FOAM CORE (OPTIONAL) BY APACHE PRODUCTS	DOOR PANELS
20	8700	STEEL	1	"YALE" MORTISE LOCK WITH DEADBOLT	DOOR PANEL (ACTIVE LEAF)
21	----	STEEL	1	STRIKE PLATE	DOOR PANEL (INACTIVE LEAF)
22	2005 AS	ALUMINUM	1	"PEMCO" 1" HIGH BUMPER TYPE THRESHOLD	FRAME SILL
23	303 AS	ALUM/VINYL	AS REQ'D.	"PEMCO" WEATHERSTRIP	FRAME PERIMETER (HEAD & JAMBS)
24	----	STEEL (18 GA.)	3/JAMB	WALL ANCHOR GUIDE	INTO DOOR FRAME JAMBS
25	----	STEEL (16 GA.)	1/JAMB	FLOOR ANCHOR PROJECTION	BOTTOM OF EACH JAMB (WELDED)

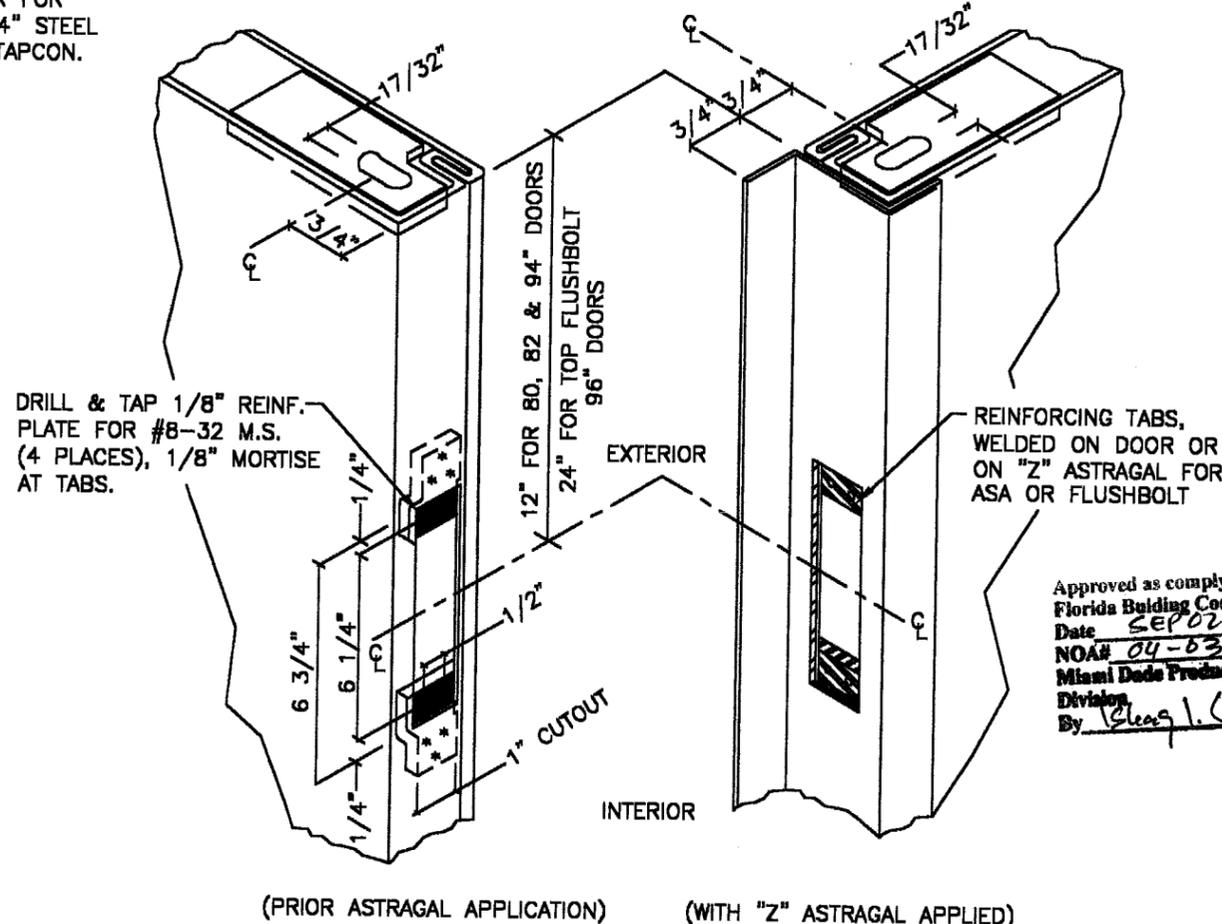


DETAIL "A"
FLOOR ANCHOR PROJECTION

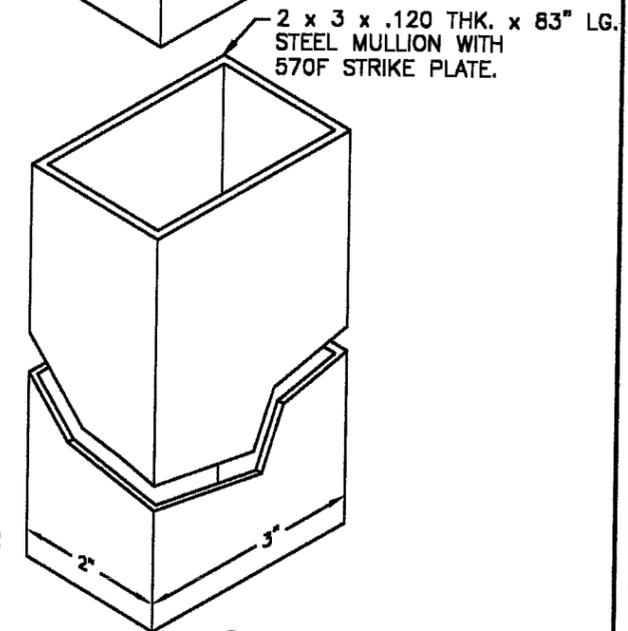
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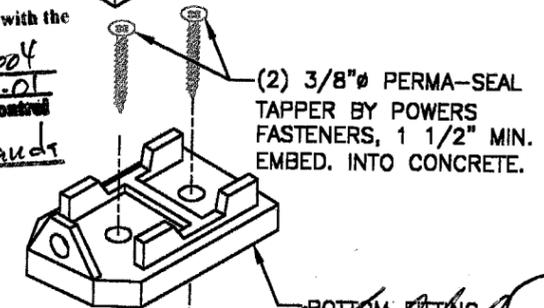
FLUSH BOLT DETAIL
("IVES" 458 SERIES FLUSH BOLT)



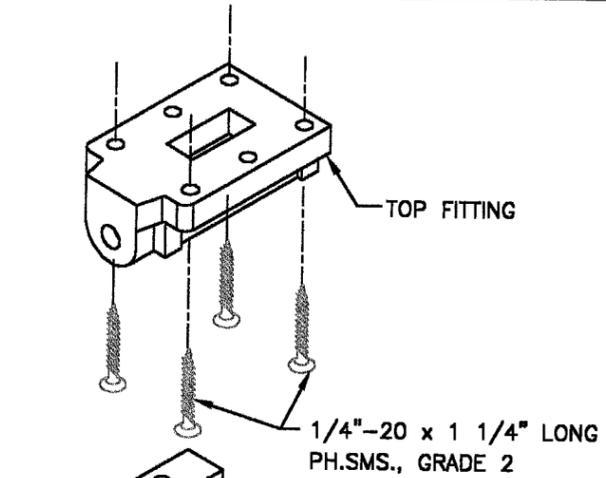
FLUSH BOLT PREPARATION DETAIL
(TYPICAL AT TOP & BOTTOM)



Approved as complying with the
Florida Building Code
Date SEP 02, 2004
NOA# 04-6330-0
Miami Dade Product Control
Division
By Blair J. Gandy



DETAIL "B"
SERIES F4023 "MONARCH" MULLION ASSEMBLY DETAIL



Baron Metal Industries, Inc.
101 ASHBURIDGE CIRCLE
WOODBRIDGE, ONTARIO, CANADA L4L 3R5
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DWG. TITLE: DETAILS / BILL OF MATERIALS

**SERIES FS16/B20 FLUSH STEEL
OUT-SWING ENTRANCE DOOR
(LARGE MISSILE IMPACT)**

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SHEET 7 OF 7