

MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building/home/asp

Coral Industries, Inc.
3010 Rice Mine Road
P.O. Box 40228,
Tuscaloosa, Alabama 35404-0228

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 "381 " Outswing Storefront Doors (MS)-LMI

APPROVAL DOCUMENT: Drawing No. 381-03, titled "series 381 Out Swinging Doors-Impact", sheets 1 through 18 of 18, prepared by manufacturer, dated 04/20/2011, signed and sealed by Lewis A. Waldrop, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitation:

1. Min (2) 2X wood buck required for installation into wood substrate.
2. Maximum allowable transom height = 24-3/8" when used with single or double doors.
3. Coral Storefront system under separate approval, lower design pressure of Doors or Storefront shall control.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and Series/Model 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 pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY
APPROVED

NOA No 11-0520.02
Expiration Date: June 02, 2016
Approval Date: June 02, 2011
Page 1

5/25/11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **381-03**, titled "series 381 Out Swinging Doors-Impact", sheets 1 through 18 of 18, prepared by manufacturer, dated 04/20/2011, signed and sealed by Lewis A. Waldrop, P. E., P. E.

- B.**
1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS202-94 (Not performed)
 - 4) Forced Entry Test, per FBC, TAS 202-94.
 - 5) Large Missile Impact Test, FBC, TAS 201-94
 - 6) Cyclic Loading Test, per FBC, TAS 203-94

along with installation diagram of a Storefront system prepared by Hurricane Test Laboratory, Test Report No. **G-402-0304-07** dated 05/04/07, signed and sealed by Vinu J. Abraham, P.E.
Note: This test report has been revised by an addendum letter dated August 07, 2007, issued by Hurricane Testing Lab, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS:

1. Anchor verification calculations complying w/ FBC 2007 dated 05/09/07 and last revised on 04/20/11, prepared, signed and sealed by Lewis A. Waldrop, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **08-0206.01** issued to Solutia, Inc. for "**Saflex HP Glass Interlayer**", expiring on 04/17/2013.
2. Notice of Acceptance No. **10-0331.02**, issued to Cytec Industries (former UCB Chemical Corp/Surface Specialties Inc.) for "**Uvekool S Laminated Glass**", expiring on 02/08/14.

F. STATEMENTS

1. Statement letter of conformance, dated March 10, 2010, signed & sealed by Lewis A. Waldrop, P.E.
2. Statement letter of "No financial interest", dated June 13, 2007, signed by Lewis A. Waldrop, P.E.
3. Lab compliance letter, part of above referenced test reports.

G. OTHER

1. None



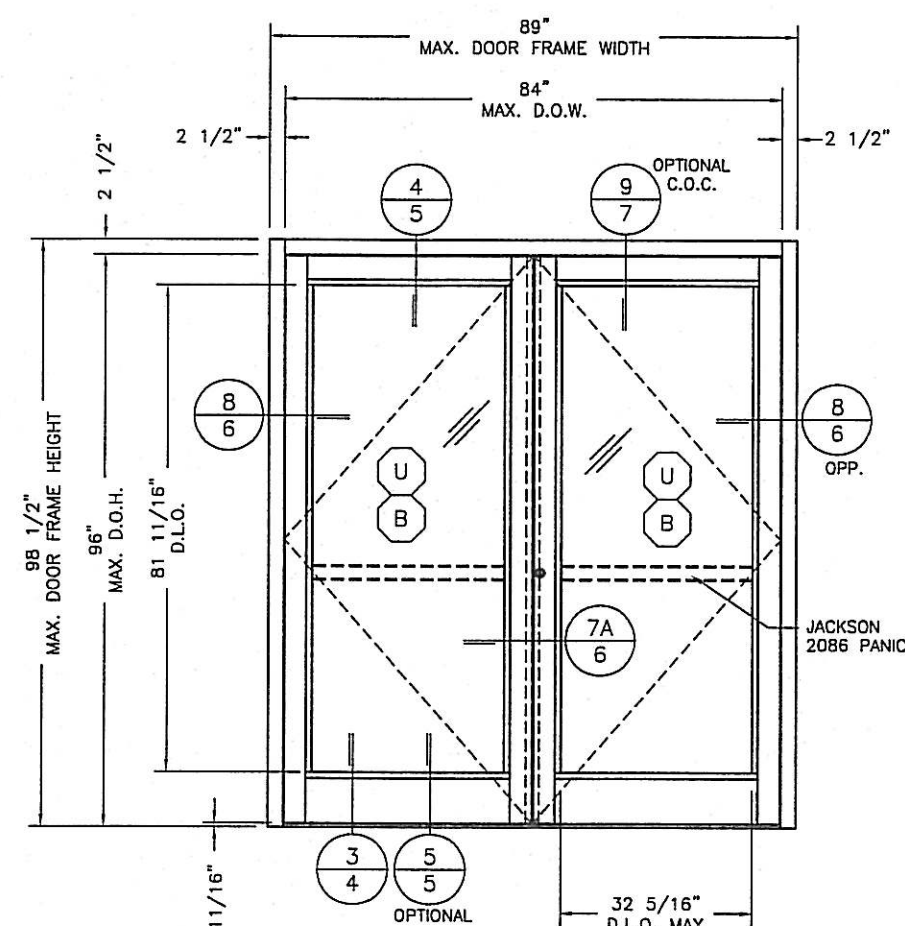
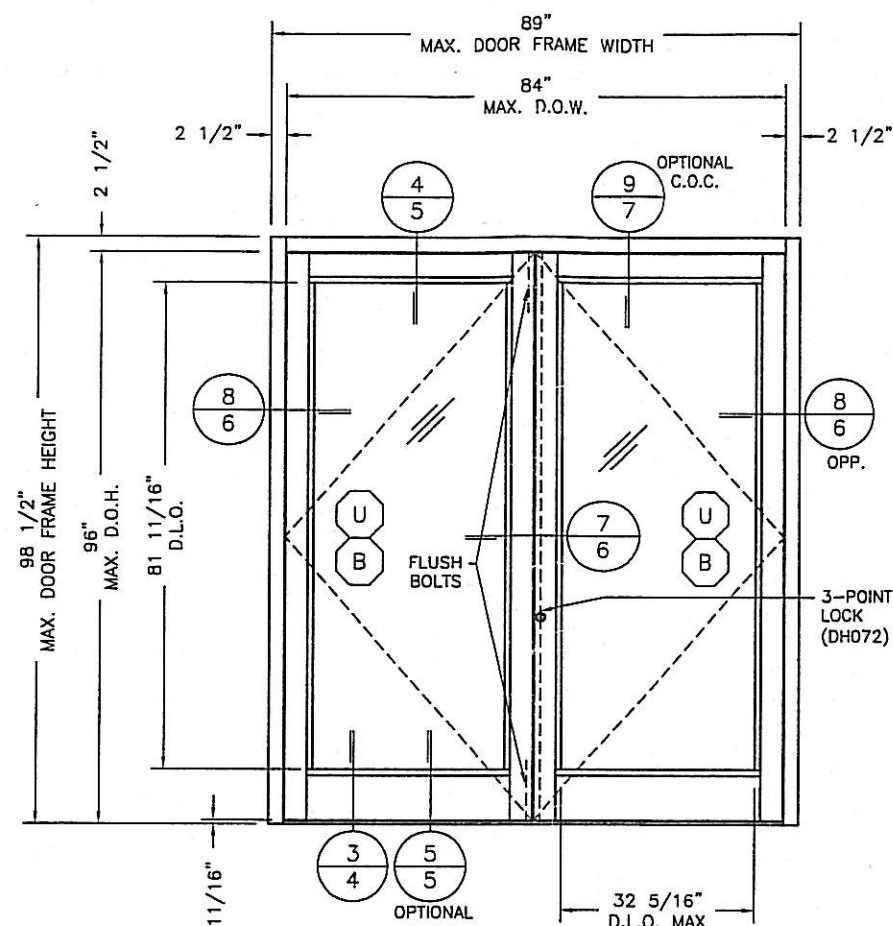
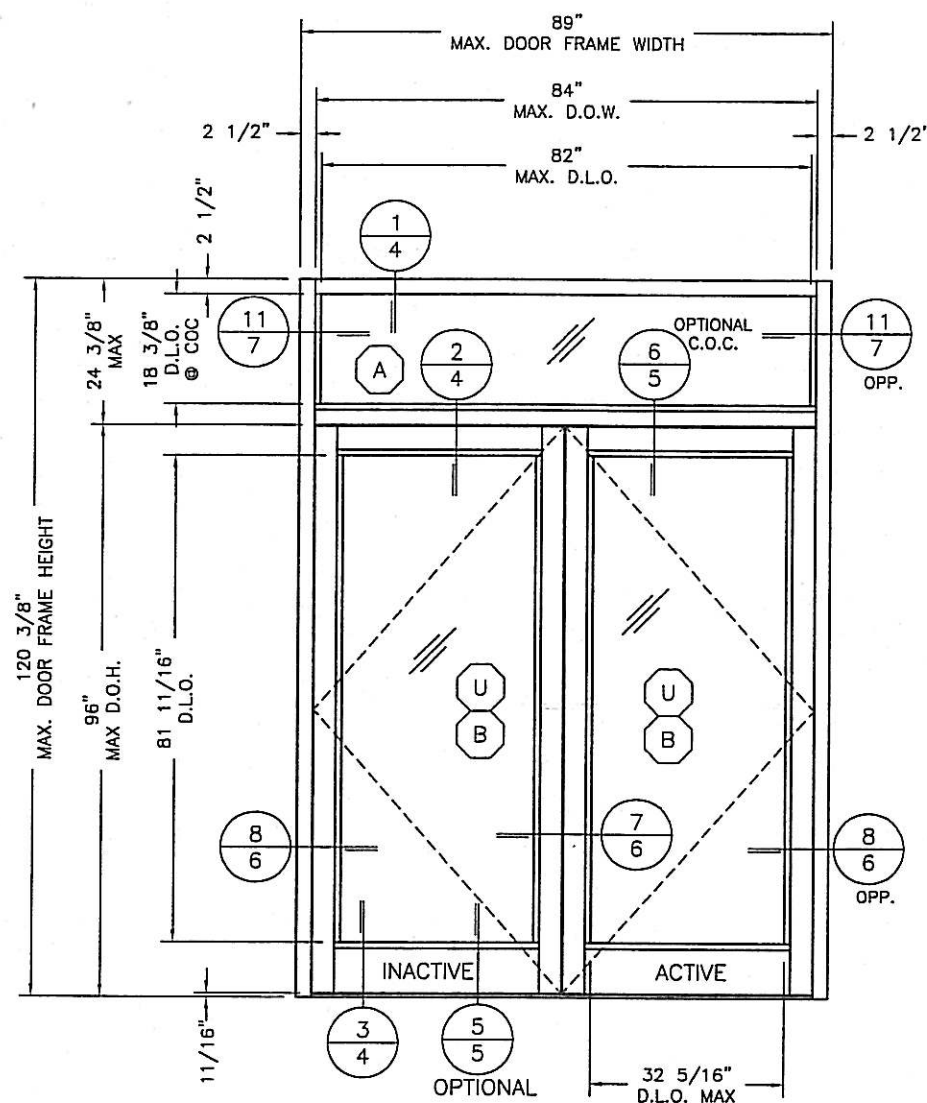
Ishaq I. Chanda, P.E.

Product Control Examiner

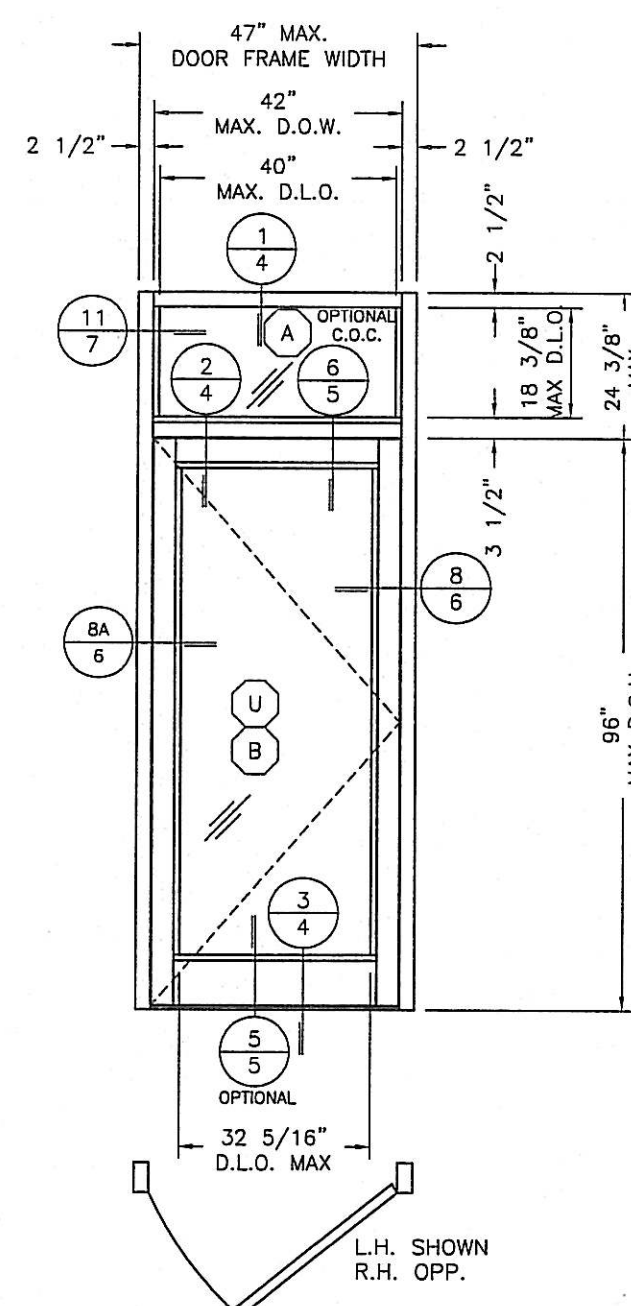
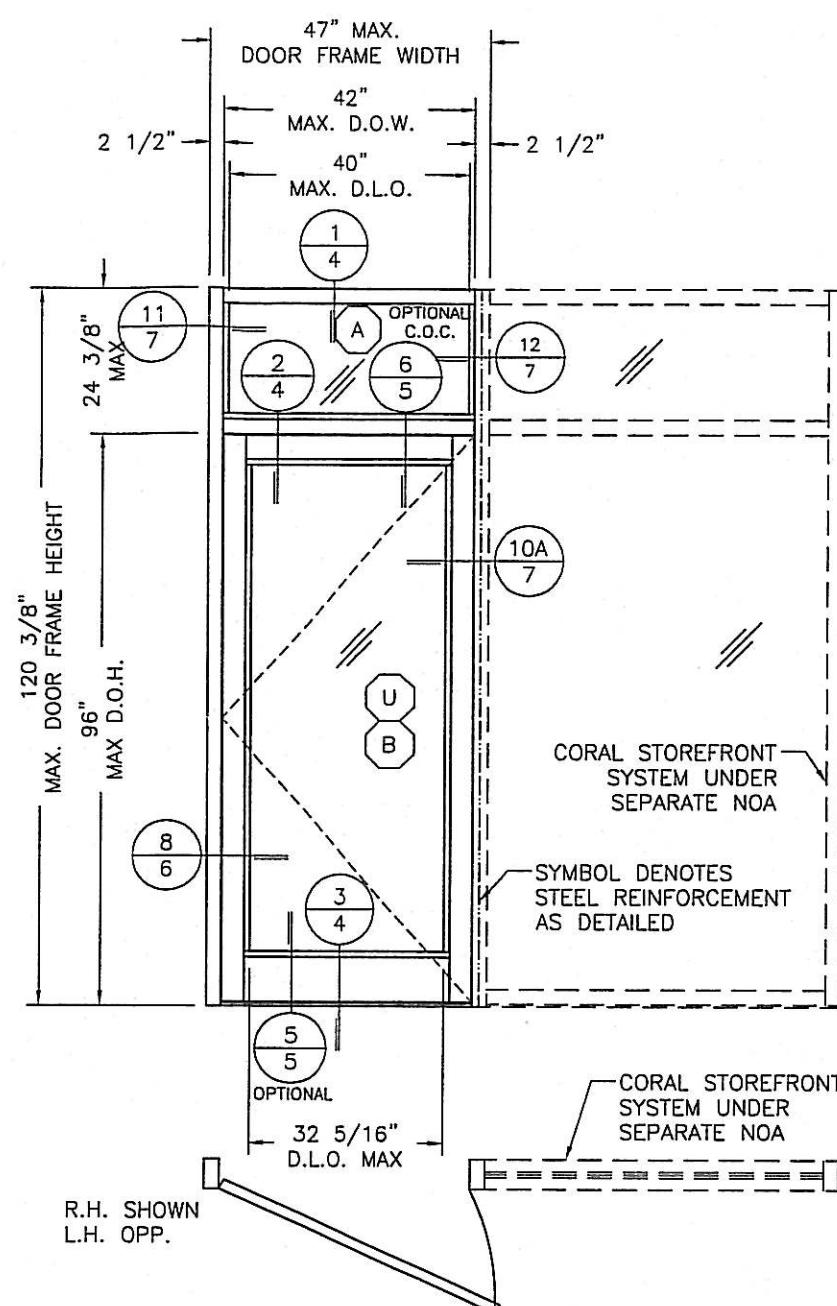
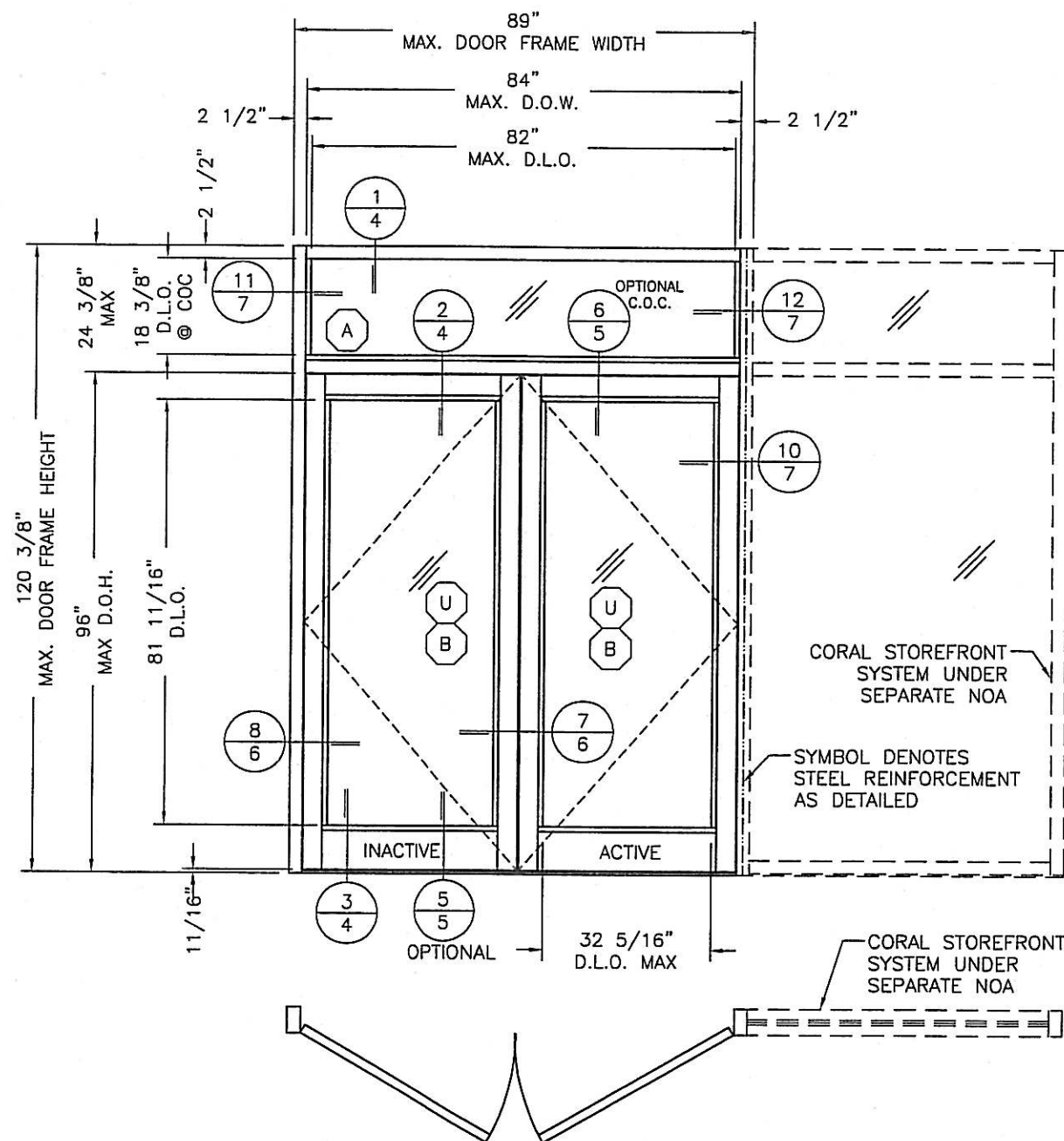
NOA No 11-0520.02

Expiration Date: June 02, 2016

Approval Date: June 02, 2011



THE UNIVERSITY OF CHICAGO



TYPICAL ELEVATIONS FOR SERIES 381 IMPACT OUT SWING DOORS AND F5/FT5 FRAMES

DOOR IN STOREFRONT SYSTEM
**DESIGN PRESSURE +70*/-80 PSF.

* NOT APPROVED WHERE WATER INFILTRATION REQUIREMENT IS
NEEDED, UNLESS MEET EXEMPTION REQUIREMENTS PER F.B.C.

** LOWER DESIGN PRESSURE OF STOREFRONT OR DOOR
SHALL GOVERN.

NOTES:

1. DOOR GLASS SIZE= D.L.O. + 1-1/2".
2. THESE DOORS WERE NOT TESTED FOR WATER INFILTRATION.

Lewis A. Waldrop, P.E.
P. O. Box 620
Alto, GA 30510
706-778-3784

0 1'-4" 2'-8" 5'-4"
SCALE: 3/8"=1'-0"

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Lewis A. Waldrop
4/20/11

Approved as complying with the
Florida Building Code
Date JUNE 02, 2011
NOA# 11-0520-02
Miami Dade Product Control
By Isahag L. Chaudhry

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR LEAF IN FL500 STOREFRONT
SYSTEM

DATE 4/13/2011

DRAWN MLL CHECKED JDW APPROVED JDW
PROJECT NO.

DRAWING NO.
381_03
SHEET 2 OF 18

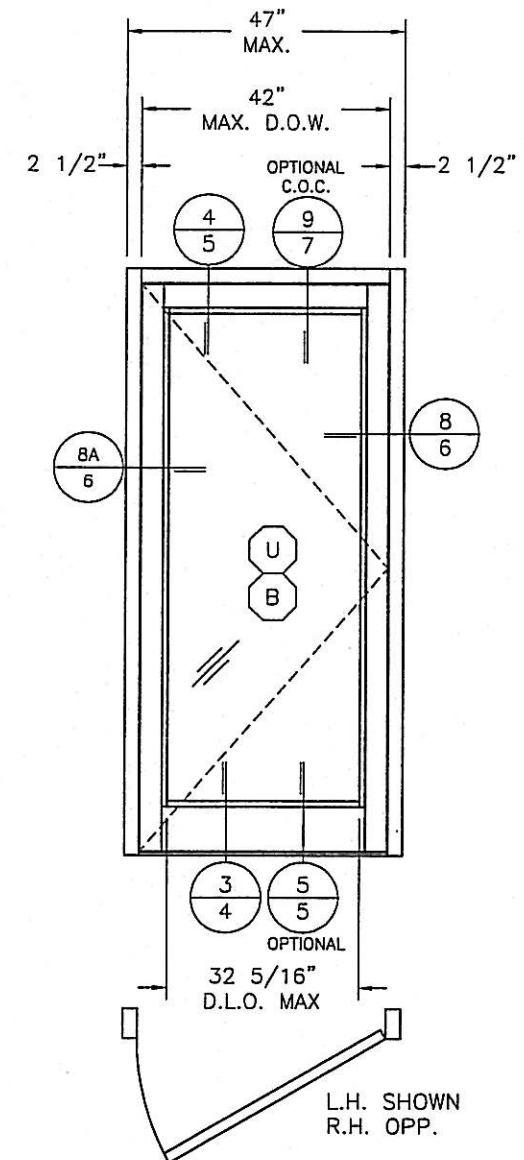
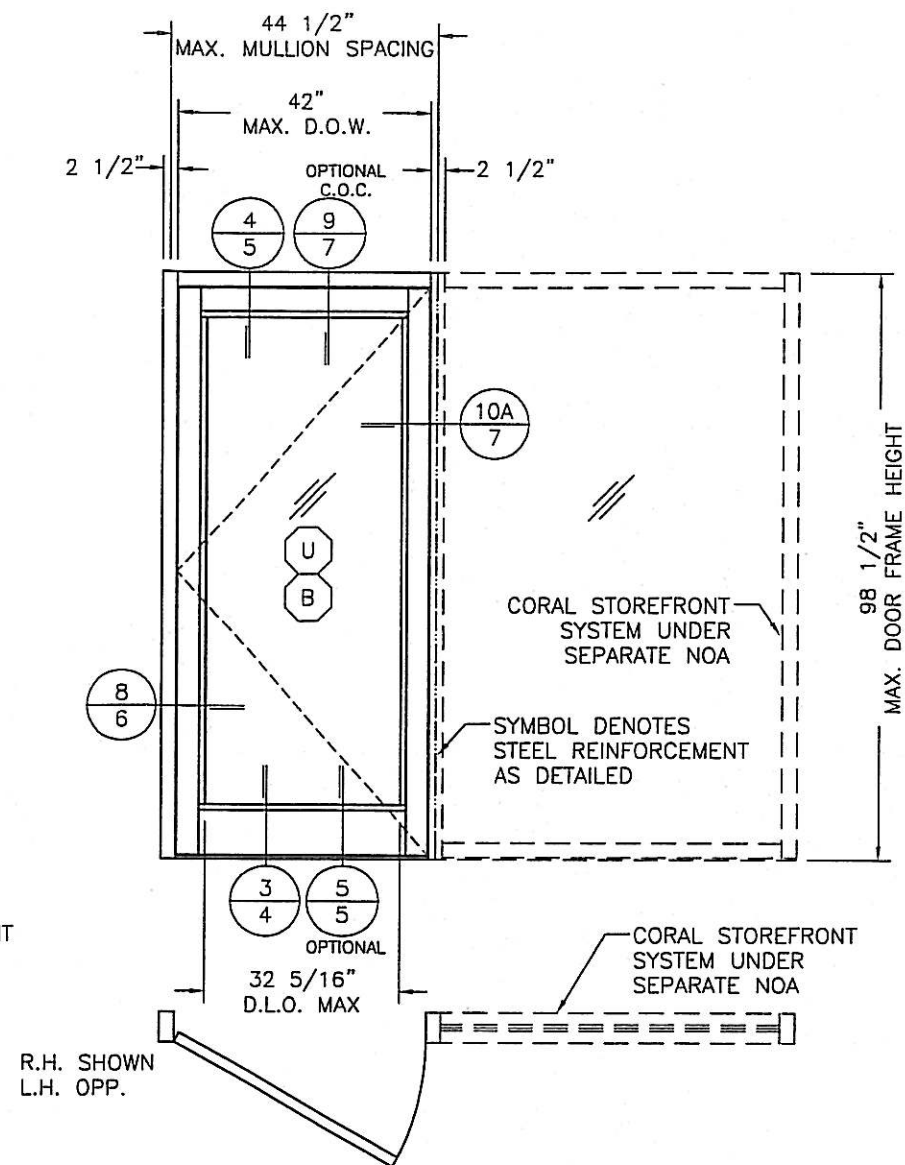
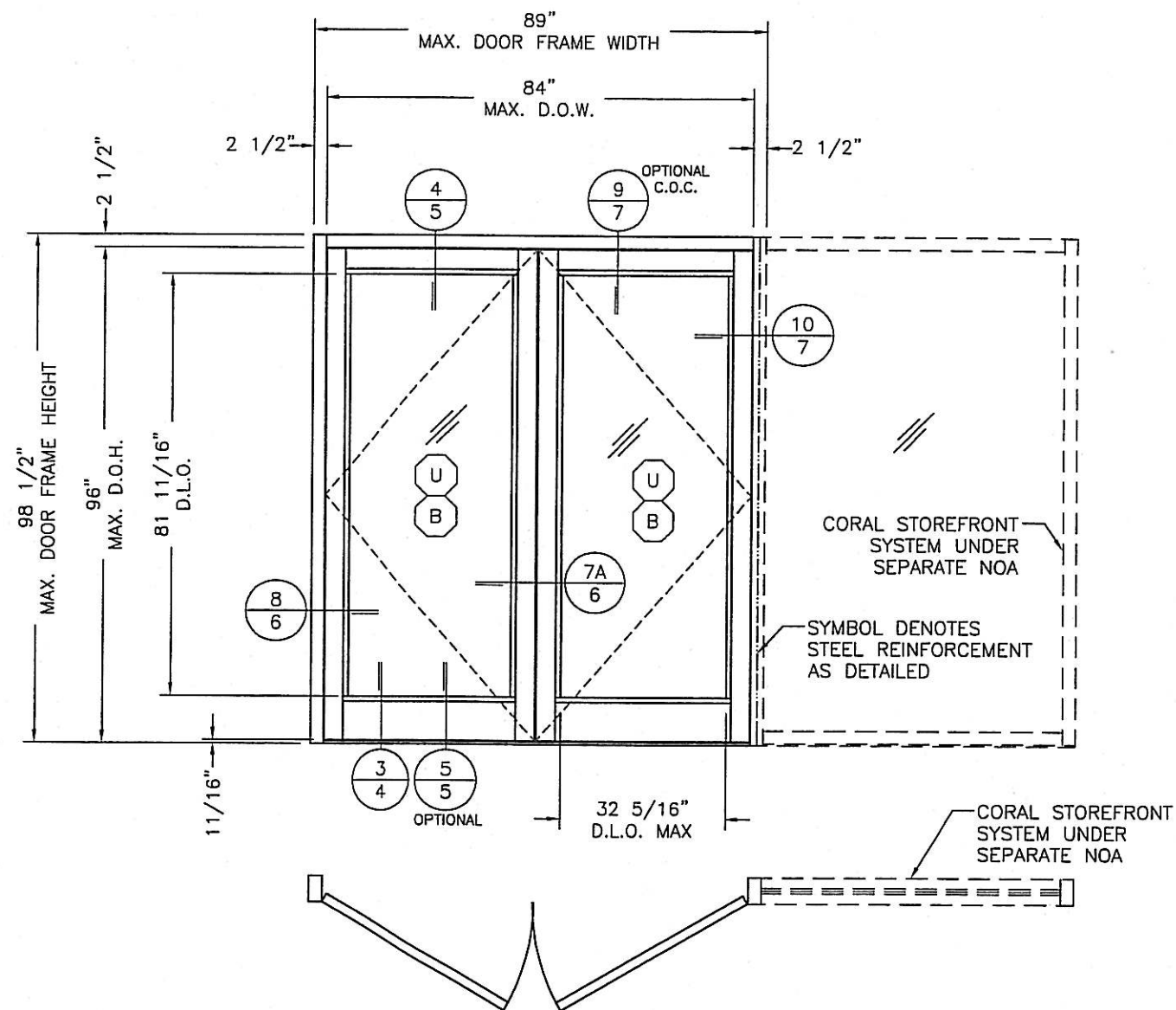
Coral

Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35405
PHONE: 800-772-7737 FAX: 800-355-7320

DESCRIPTION

DATE

REV BY



TYPICAL ELEVATIONS FOR SERIES 381 IMPACT OUT SWING DOORS AND F5/FT5 FRAMES

DOOR IN STOREFRONT SYSTEM

****DESIGN PRESSURE +70*/-80 PSF.**

* NOT APPROVED WHERE WATER INFILTRATION REQUIREMENT IS NEEDED, UNLESS MEET EXEMPTION REQUIREMENTS PER F.B.C.

**** LOWER DESIGN PRESSURE OF STOREFRONT OR DOOR SHALL GOVERN.**

NOTES:

1. DOOR GLASS SIZE= D.L.O. + 1-1/2".
2. THESE DOORS WERE NOT TESTED FOR WATER INFILTRATION.

Lewis A. Waldrop, P.E.
P. O. Box 620
Alto, GA 30510
706-778-3784

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Approved as complying with the
Florida Building Code
Date JUNE 02, 2011
NOA# 11-0520-02
Miami Dade Product Control
By Isaac L. Llanos

Lawrence
4/22/11

0 1'-4" 2'-8" 5'-4"

SCALE: 3/8"=1'-0"

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR LEAF IN FL500 STOREFRONT
SYSTEM

DATE 4/13/2011

DRAWN MLL	CHECKED JDW	APPROVED JDW
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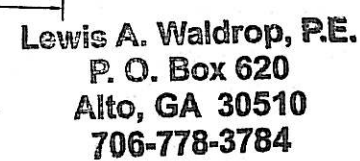
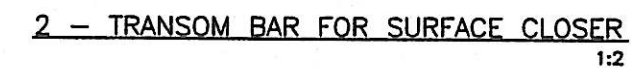
PROJECT NO. _____

DRAWING NO.
381 03

SHEET 3 OF 18

1

I



Lawrence
4/20/97

Approved as complying with the
Florida Building Code
Date JUNE 02, 2011
NOA# 11-0520-02
Miami Dade Product Control
By Ismael. Chaud

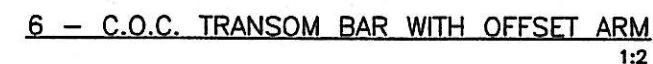
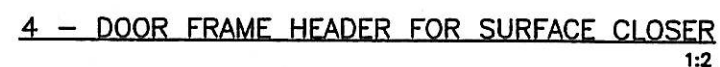
DRAWINGS FOR FLORIDA PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR AND FRAMING DETAILS

DATE 4/13/2011		
DRAWN MLL	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 381_03		
SHEET 4 OF 18		

Coral

Architectural Products ■
1010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-433-6761



Lawrence
4/20/11

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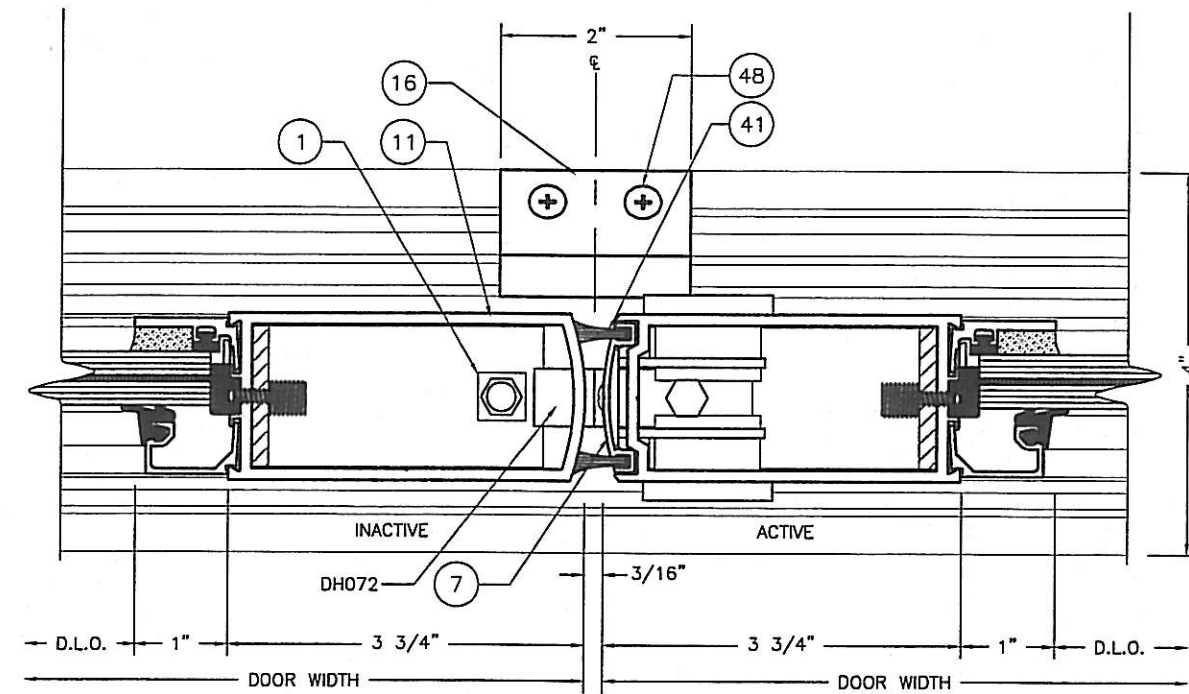
Coral

▪ Architectural Products ▪

3010 RICE MIKE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7257 FAX: 800-255-2390

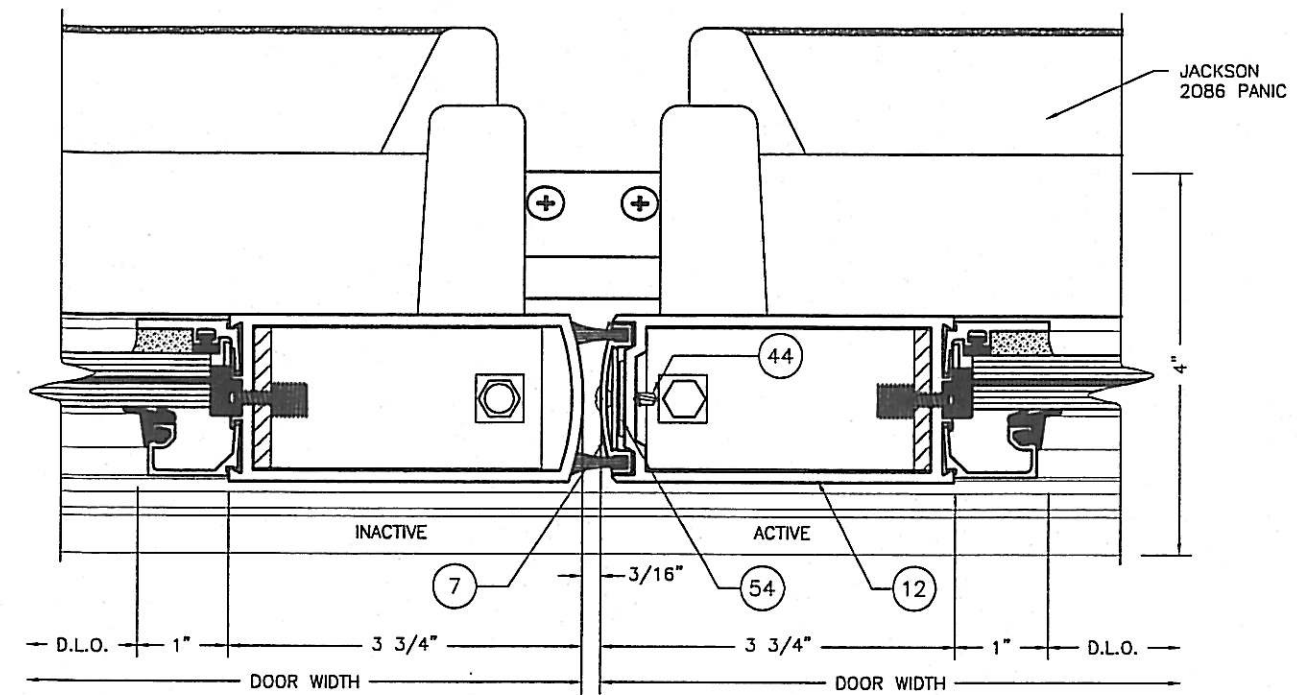
PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR AND FRAMING DETAILS

DATE 4/13/2011		
DRAWN MLL	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 381_03		
SHEET 5 OF 18		



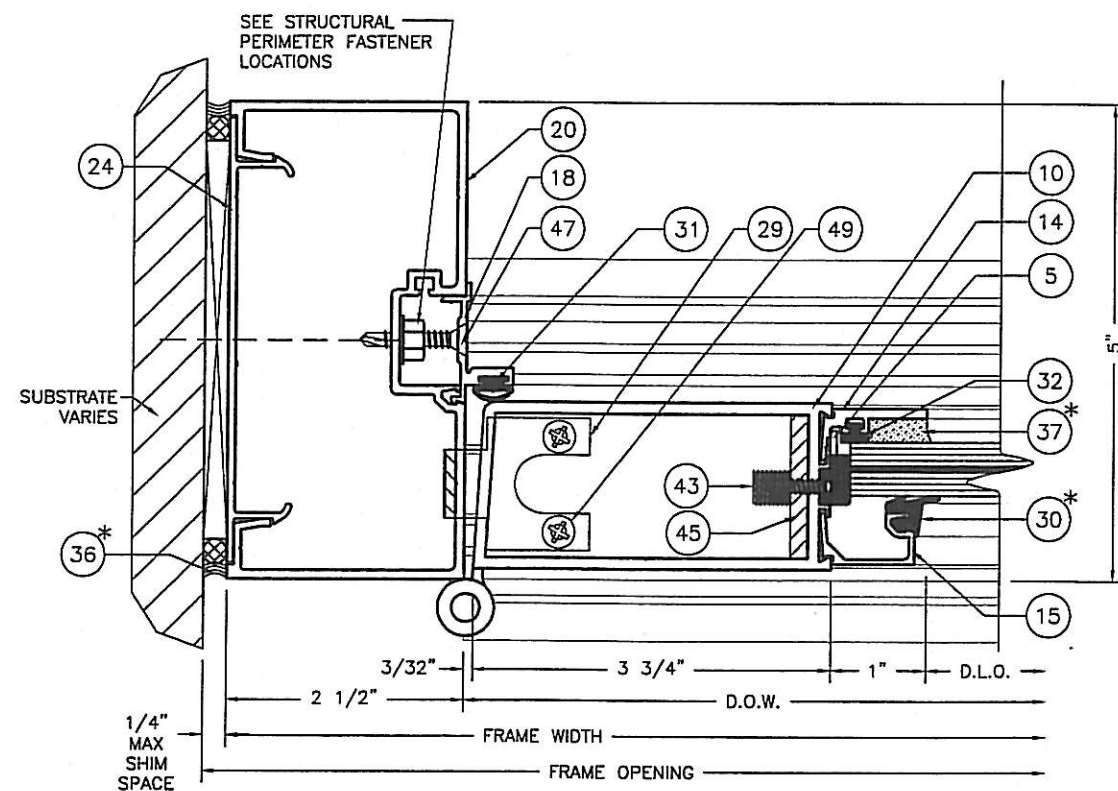
7 - MEETING STILES
1:2
(WITH 3-POINT LOCK)

EXTERIOR



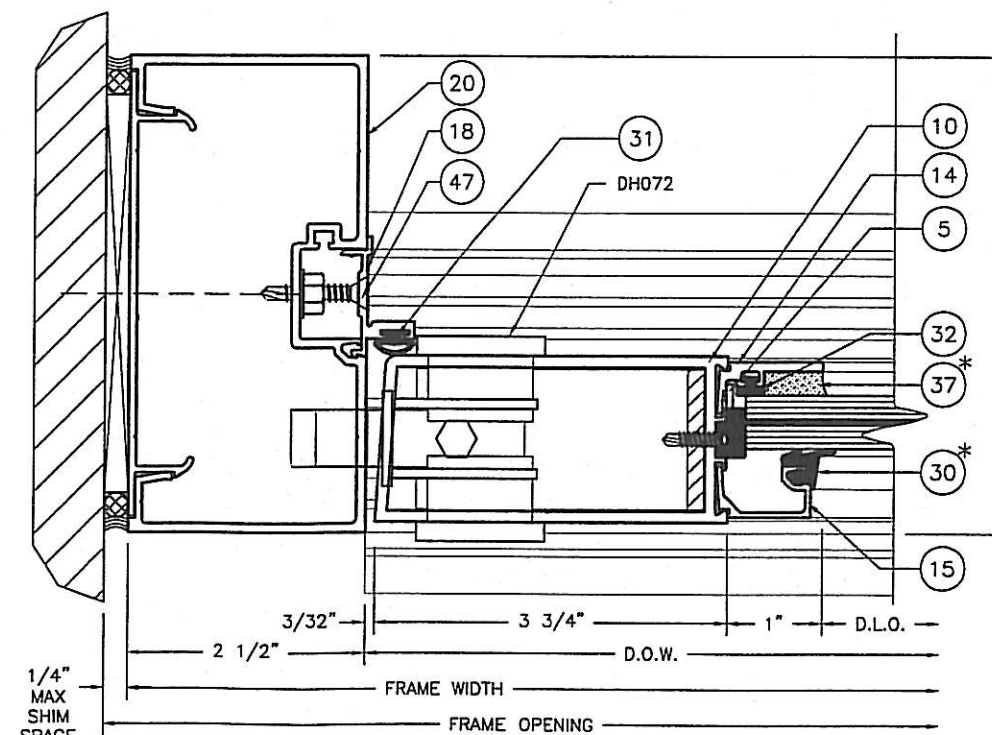
7A - MEETING STILES
1:2
(WITH JACKSON PANIC)

EXTERIOR



8 - HINGE JAMB AT WALL
1:2

EXTERIOR



8A - LOCK JAMB AT WALL
1:2

EXTERIOR

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Lawrence
4/20/11

Approved as complying with the
Florida Building Code
Date JUNE 02, 2011
NOAH# 11-0520-02
Miami Dade Product Control
By Ishag I. Uwand

Lewis A. Waldrop, P.E.
P. O. Box 620
Alto, GA 30510
706-778-3784

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203

DOOR AND FRAMING DETAILS

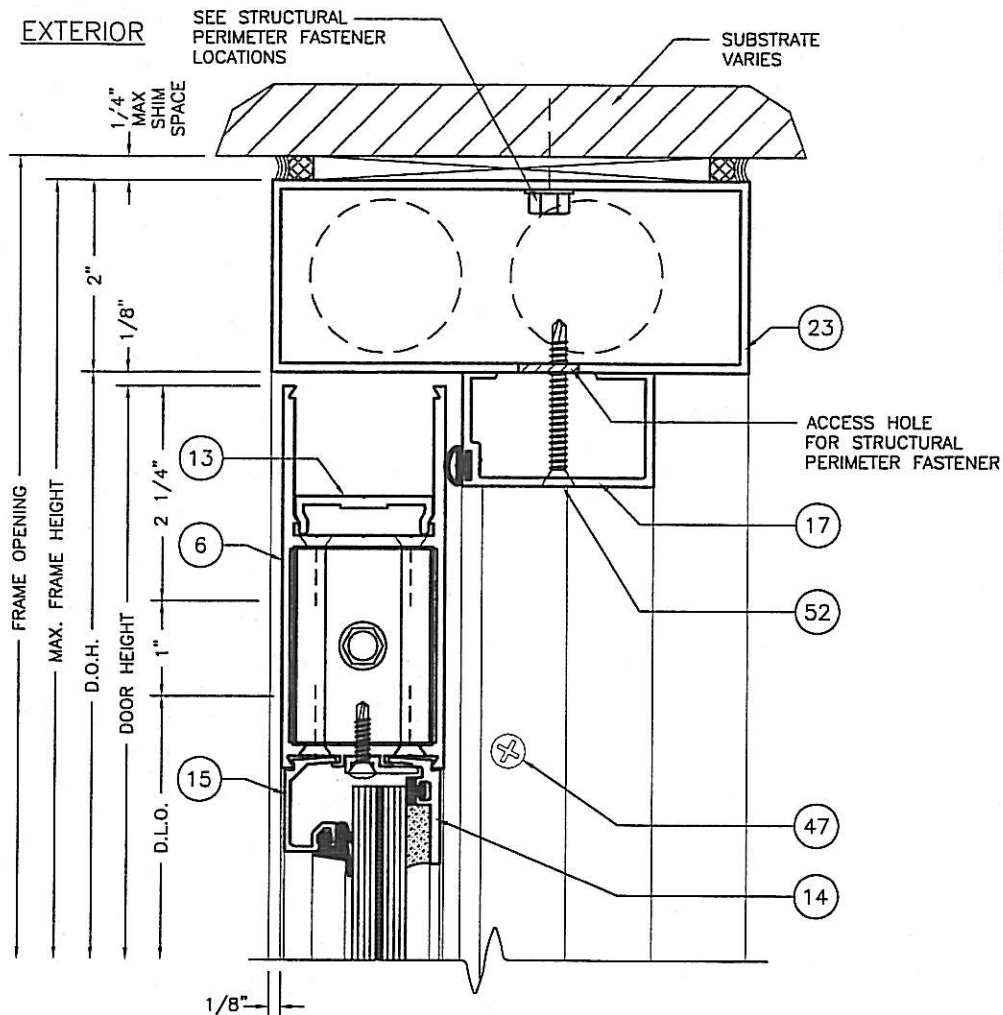
DATE 4/13/2011

DRAWN PCH	CHECKED JDW	APPROVED JDW
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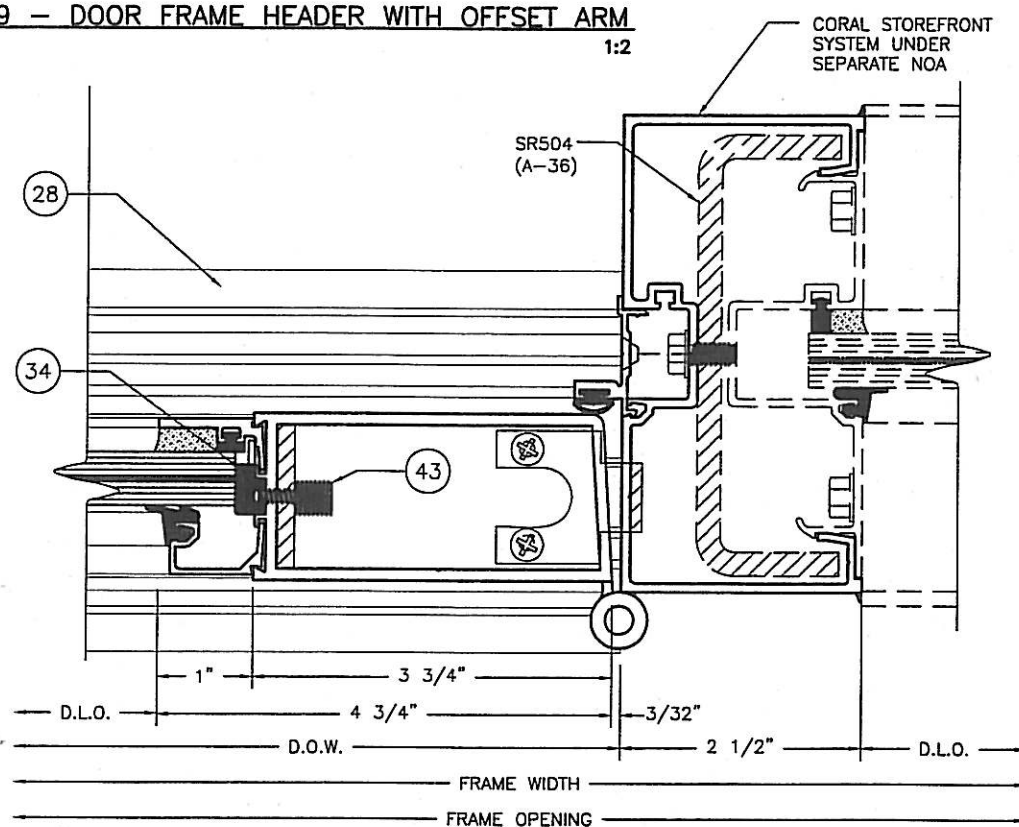
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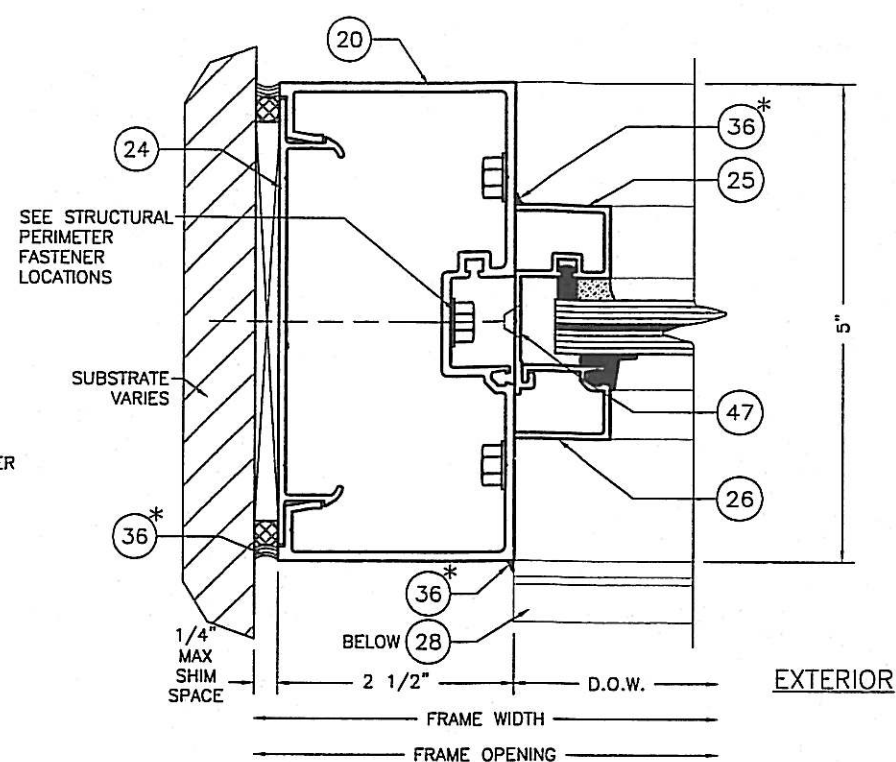
381_03
SHEET 6 OF 18



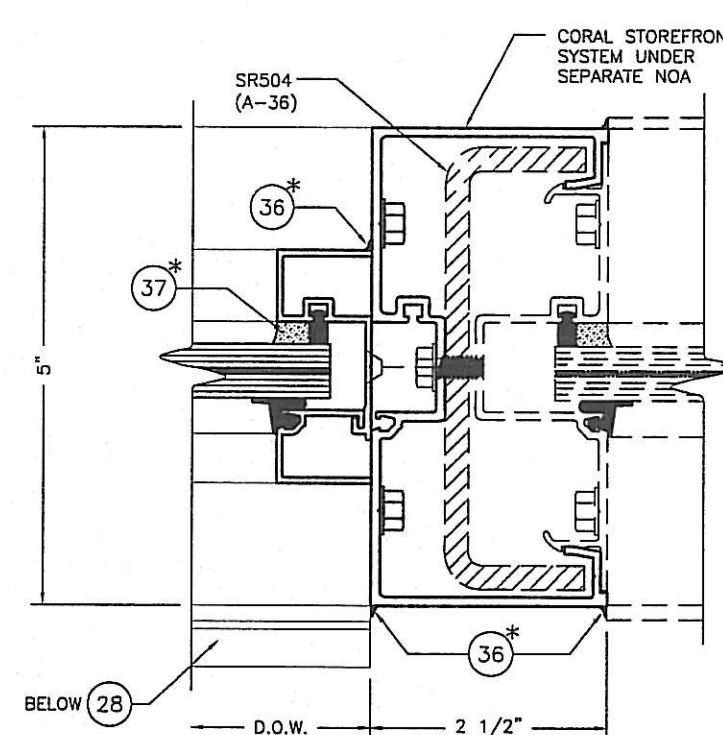
9 - DOOR FRAME HEADER WITH OFFSET ARM
1:2



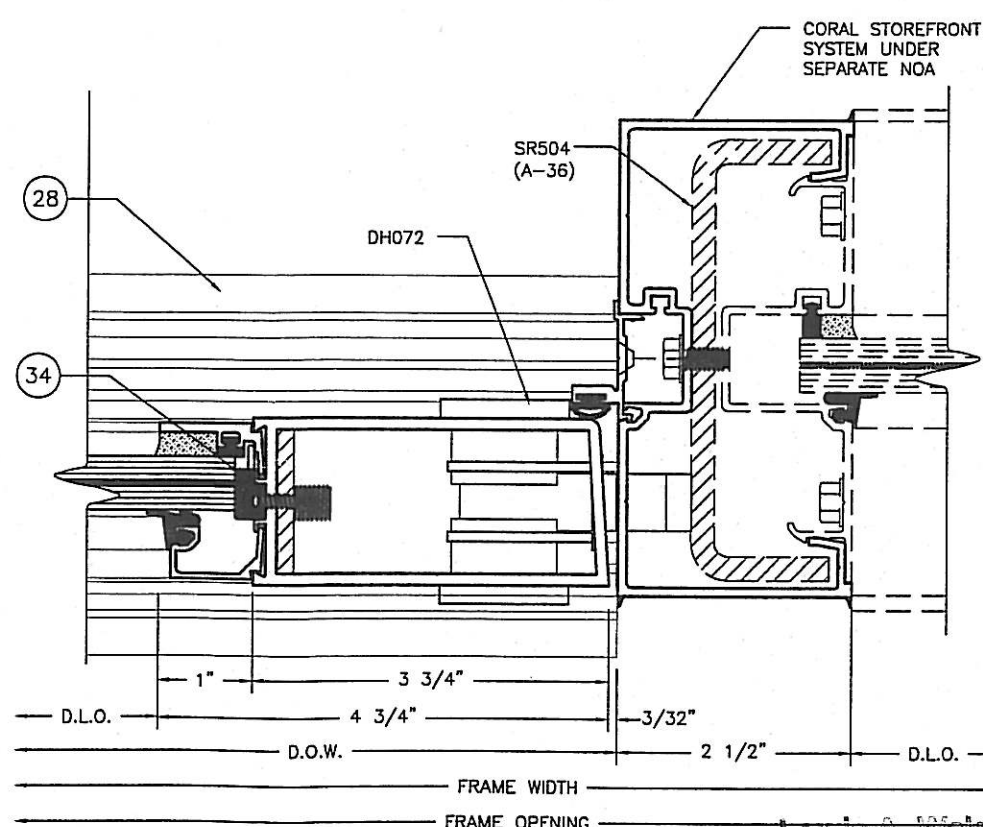
10 - INTERM. DOOR JAMB
1:2



11 - TRANSOM JAMB AT WALL
1:2



12 - INTERM. TRANSOM JAMB
1:2



10A - INTERM. LOCK JAMB
1:2

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Handwritten signature: Waldrop
4/20/11

Approved as complying with the
Florida Building Code
Date June 21, 2011
NOA# 11-0520-02
Miami Dade Product Control
By Isaac L. Chaudhary

Lewis A. Waldrop, P.E.
P. O. Box 620
Alto, GA 30510
706-778-3784

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR AND FRAMING DETAILS

DATE	4/13/2011
DRAWN PCH	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	381_03
SHEET	7 OF 18

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-255-7320

DESCRIPTION

REV BY DATE

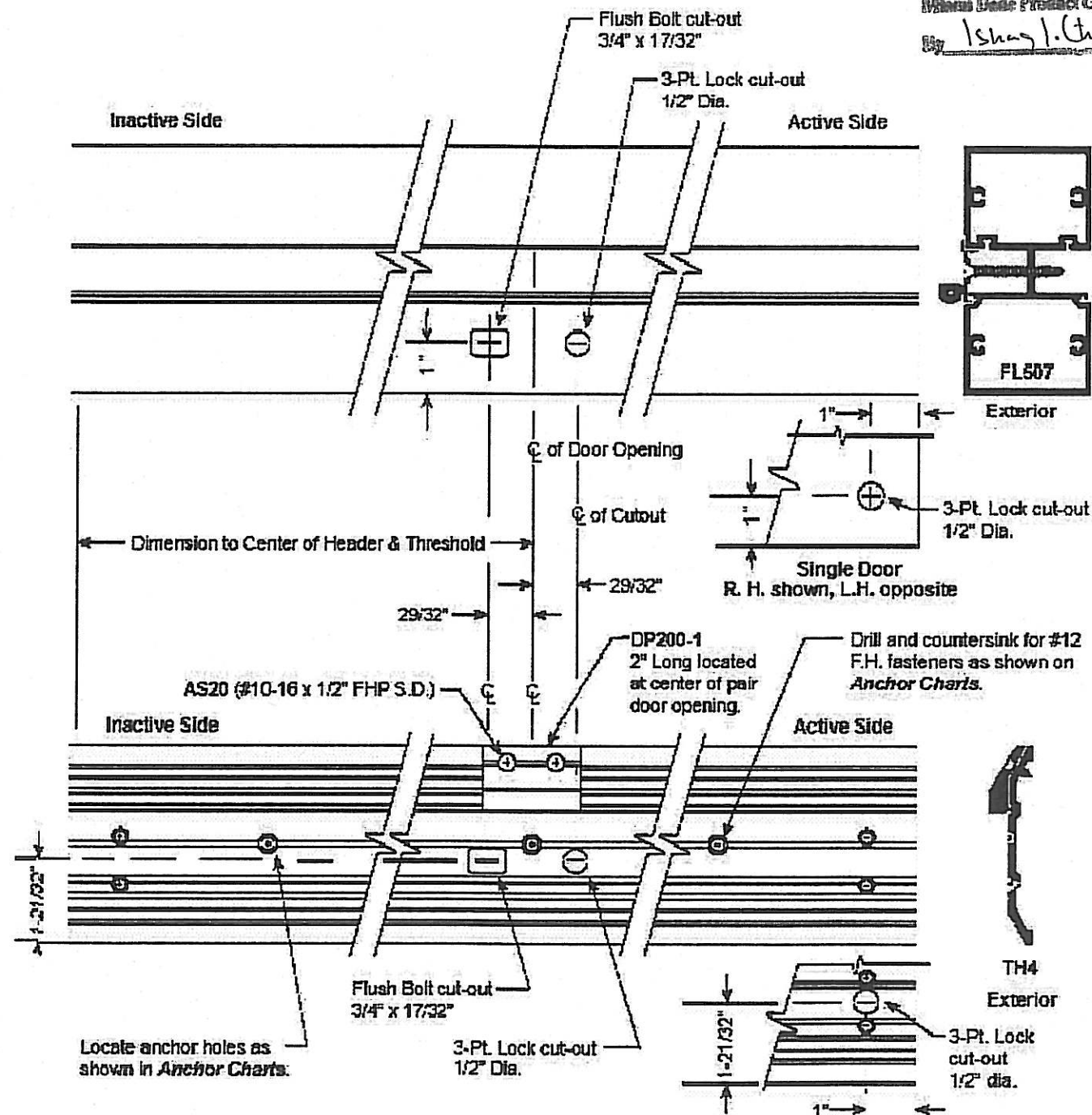
FLUSH BOLT & 3 PT. LOCK STRIKE LOCATIONS

F5 or FT5 Open Back Frame for Butt Hung Door
Surface or Concealed Overhead Closer

FL507 Header Fabrication Shown for Surface Closer.

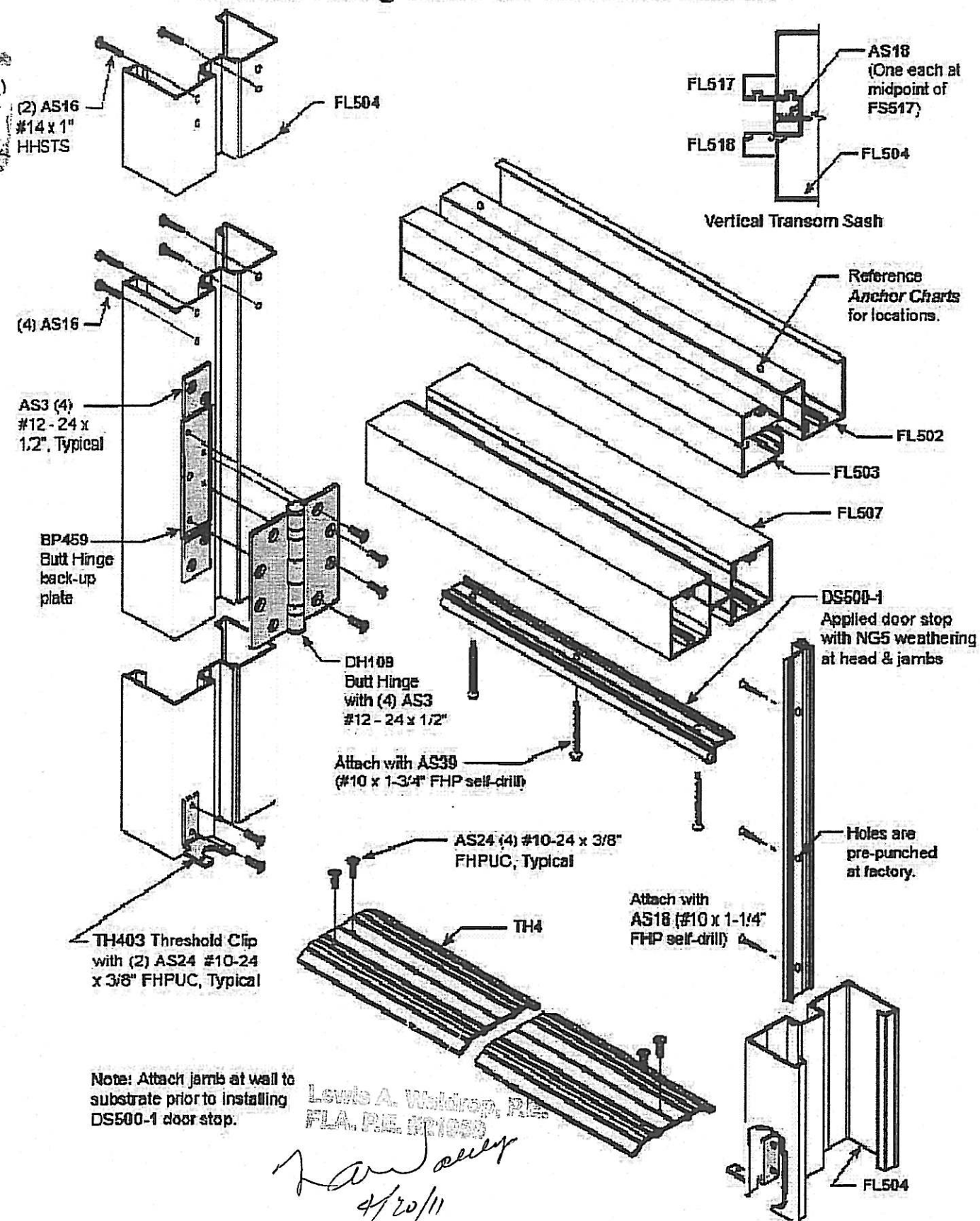
FL512 Header Fabrication Similar for C.O.C.

Approved as complying with the
Florida Building Code
Date June 02, 2011
NOAH 11-0520-02
Miami Code Product Control
By Ishay I. Chandra



Lewis A. Waldrop, P.E.
P. O. Box 620
Alto, GA 30510
706-778-3784

F5 OPEN BACK FRAME AND/OR FT5 TRANSOM For Butt Hung Door for Surface Closer

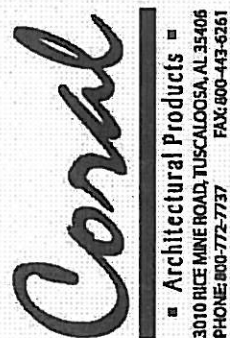


Lewis A. Waldrop, P.E.
FLA. P.E. #11000
[Signature]
4/20/11

DATE		4/13/2011	
DRAWN	PCH	CHECKED	JDW
PROJECT NO.		DRAWING NO.	
381_03		SHEET 9 OF 18	

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
FRAME CORNER CONSTRUCTION AND
HINGE ATTACHMENT

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-6261

[illegible]

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
FRAME CORNER CONSTRUCTION AND
HINGE ATTACHMENT FOR C.O.C.

2nd ed. 4/20/11

DATE 4/13/2011		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 381_03		
SHEET 10 OF 18		

TYPICAL INSTALLATION INTO:
CONCRETE SUBSTRATE MIN. 2,500 P.S.I.

TYP. INSTALLATION INTO: 2,500 PSI CONCRETE SUBSTRATE	
	3/8" LDT CONCRETE ANCHOR, 2" MIN. EMBEDMENT WITH FILLER PLATE FULL LENGTH OF MULLION
	3/8" LDT ANCHOR, 2" MIN. EMBEDMENT
	1/4" PFH TAPCON CONCRETE ANCHOR, 1-3/4" MIN. EMBEDMENT
6" MIN. SPACING @ 3/8"Ø LDT ANCHOR, MIN. EDGE DISTANCE 5"	
3" MIN. SPACING @ 1/4"Ø TAPCON ANCHOR, MIN. EDGE DISTANCE 2-1/2"	

* NOT APPROVED WHERE WATER INFILTRATION REQUIREMENT IS NEEDED, UNLESS MEET EXEMPTION REQUIREMENTS PER F.B.C.

== LOWER DESIGN PRESSURE OF STOREFRONT OR DOORS WILL GOVERN.

*** TRANSOM IS LIMITED TO 18-3/8" AND OVERALL TRANSOM SIZE OF 24-3/8".

Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.

— = EACH HORIZONTAL LINE
OR VERTICAL LINE REPRESENTS
ONE (1) FASTENER TYPE PER SYMBOL.

Jan Jolley
4/20/11

Coral

▪ Architectural Products

3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 903 / 12 / 1731 FAX: 800 / 255 / 3720

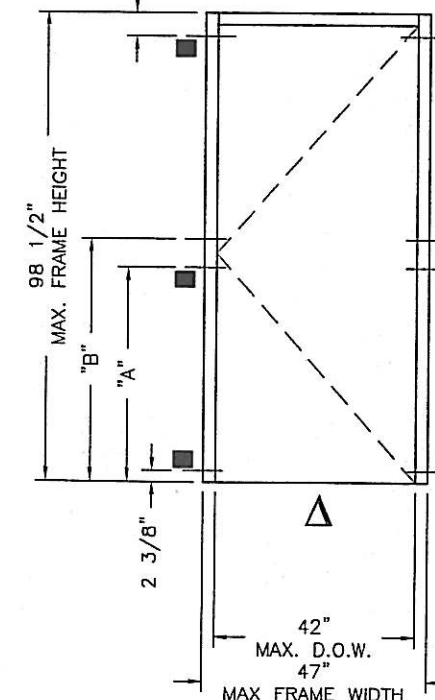
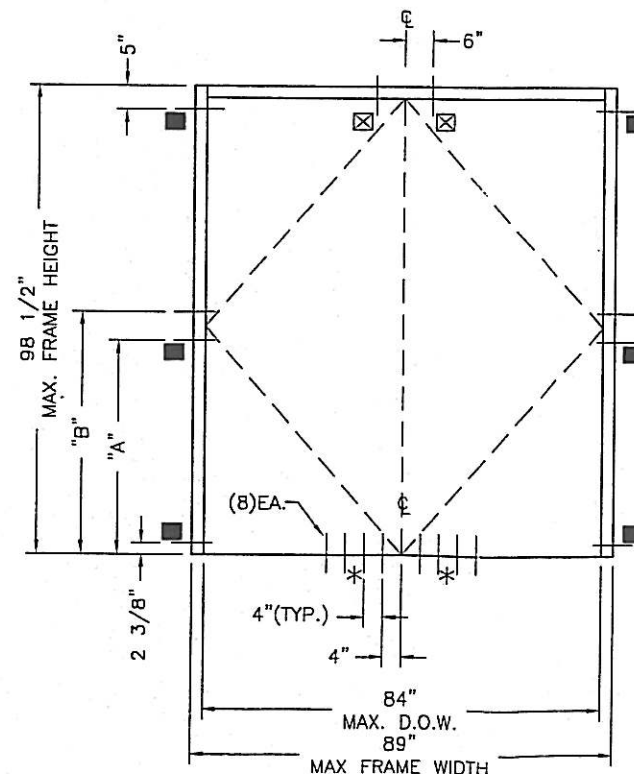
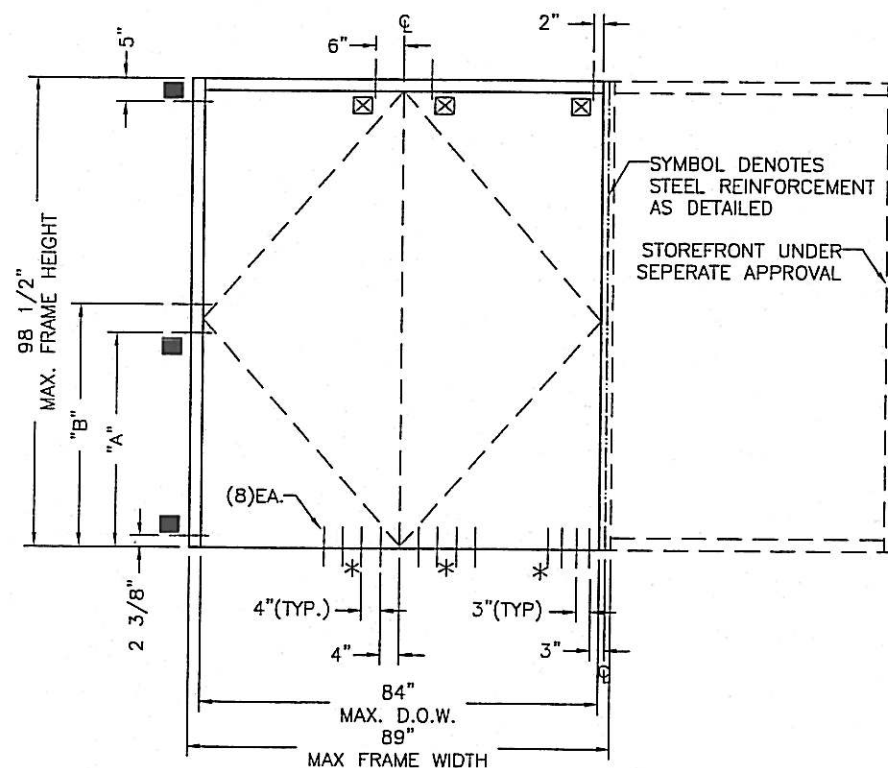
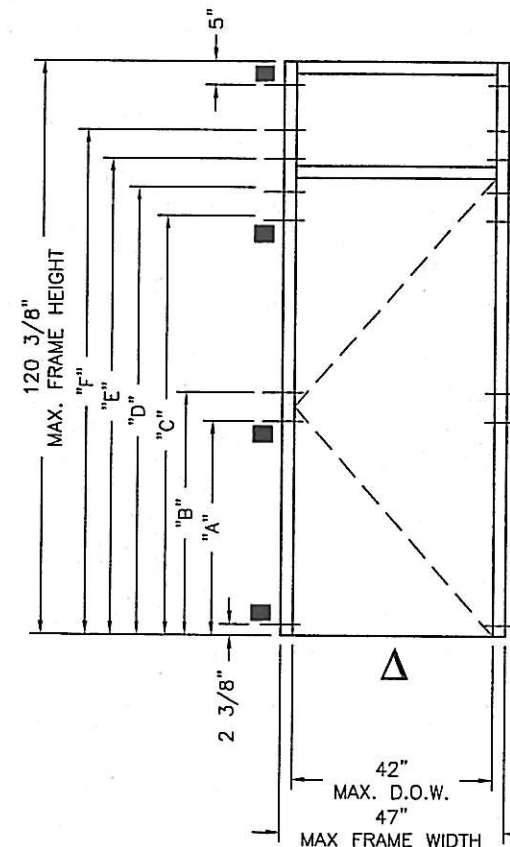
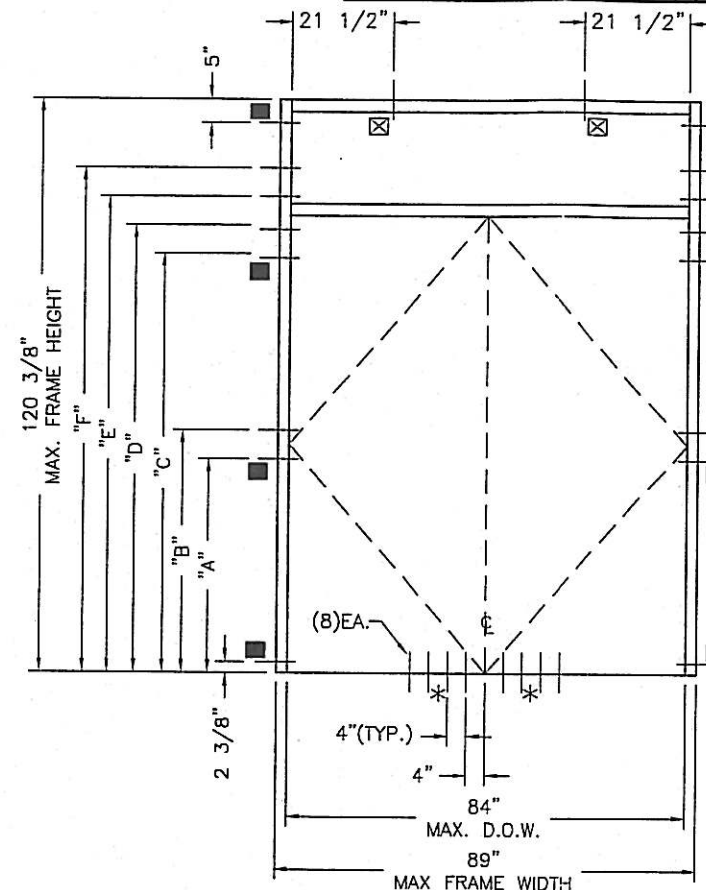
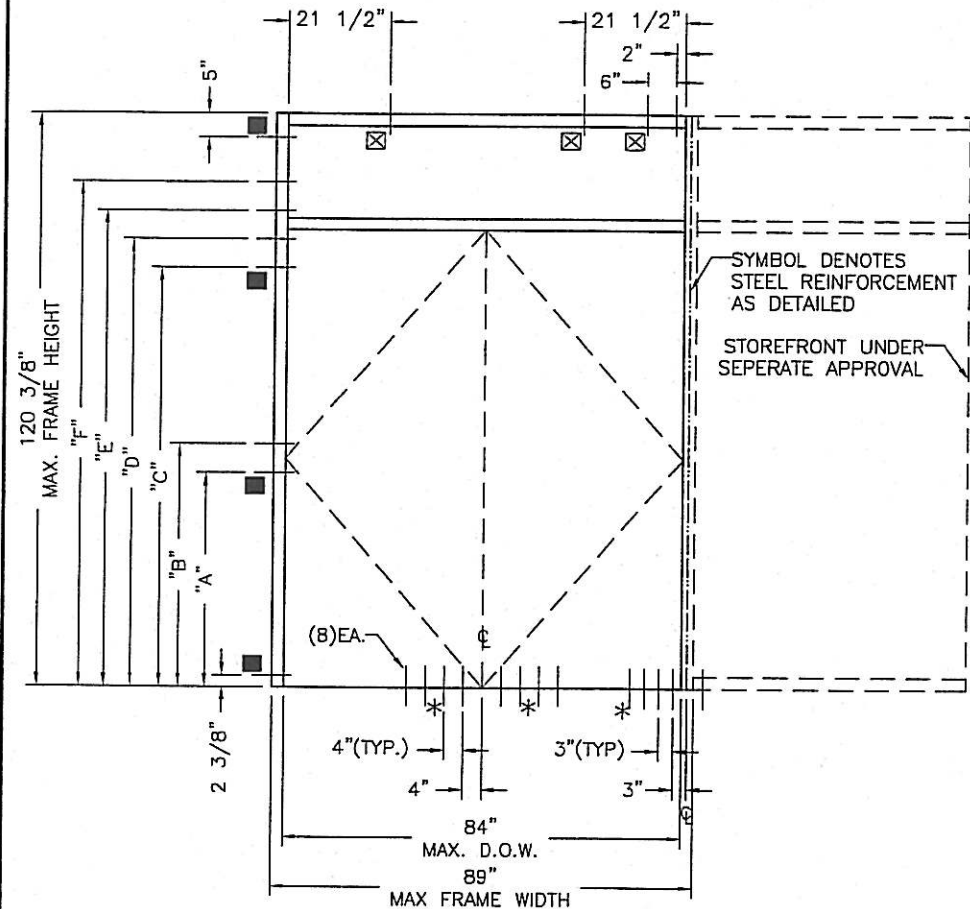
PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203

PERIMETER FASTENER CHARTS

Approved as complying with the
Florida Building Code
Date JUNE 02, 2011
NOAH# 11-0520-02-
Miami Dade Product Control
By Ishag J. Chant

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

DATE 4/20/2011		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 381_03		
SHEET 11 OF 18		



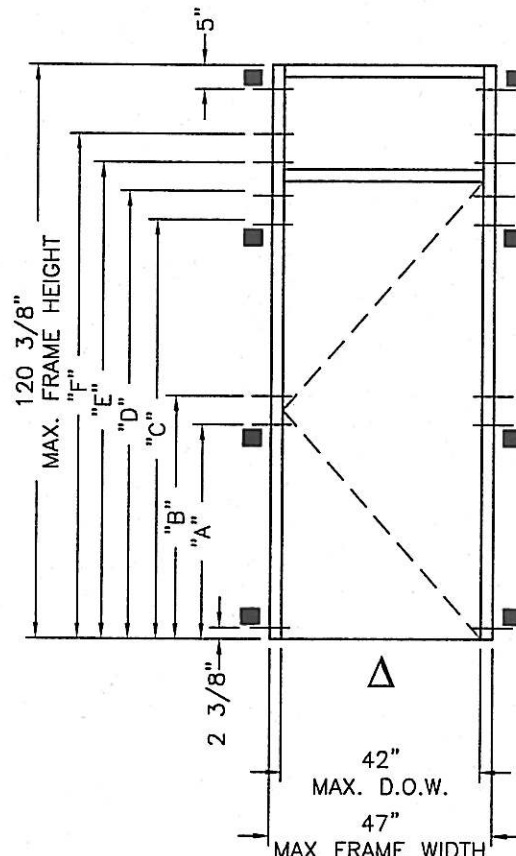
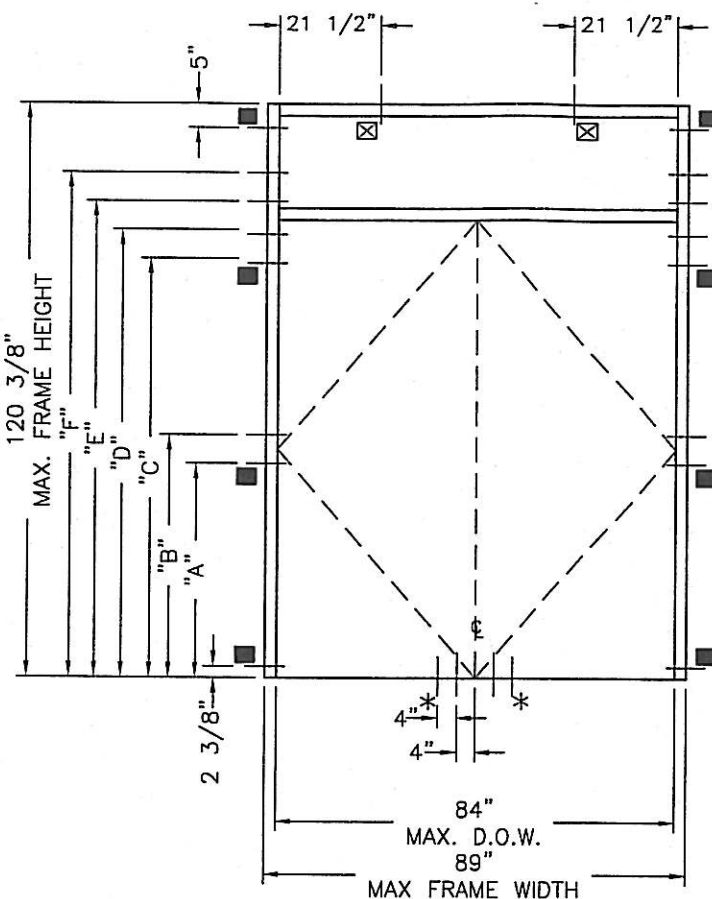
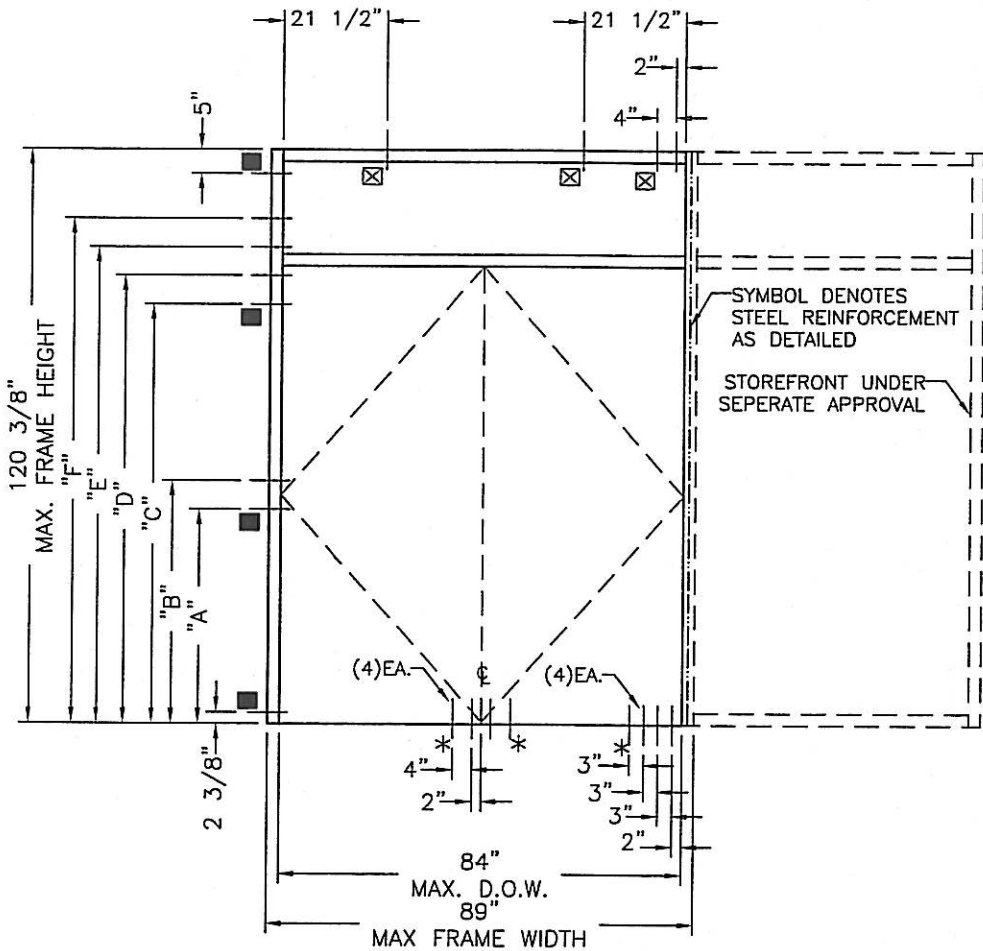
Lexis A. Wadsworth, P.E.
P.O. Box 680
Alto, GA 30510
706-778-3704

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
STEEL SUBSTRATE

DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.					
	"A"	"B"	"C"	"D"	"E"	"F"
84"	45"	51"	76"	82"	89"	95"
96"	45"	51"	88"	94"	100"	106"

TYP. INSTALLATION INTO: 1/4" THICK STEEL SUBSTRATE	
■	3/8"Ø X 3-1/2" TEK GRADE 2 SCREW FILLER PLATE FULL LENGTH OF MULLION
⊠	3/8"Ø X 1-1/2" TEK GRADE 2 SCREW
*	1/4"-12 X 1-1/2" PFH #3 TEK GRADE 2 SCREW 2" MIN SPACING



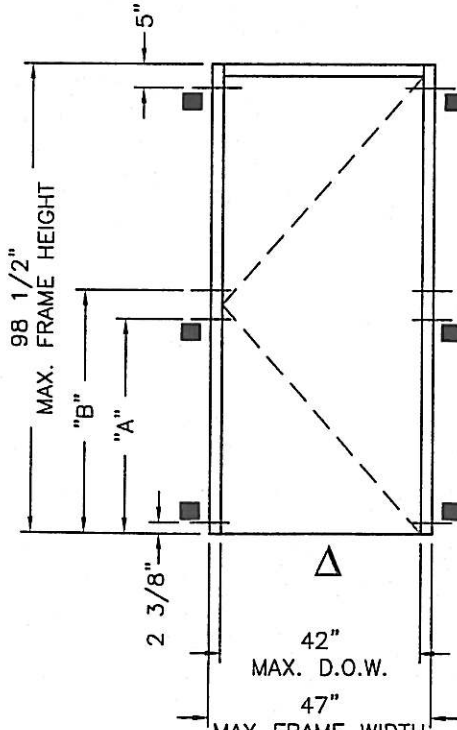
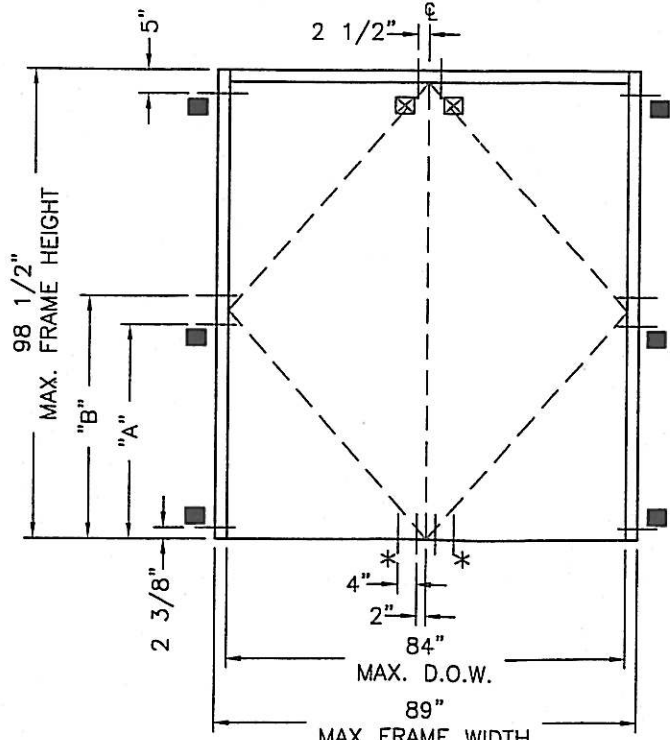
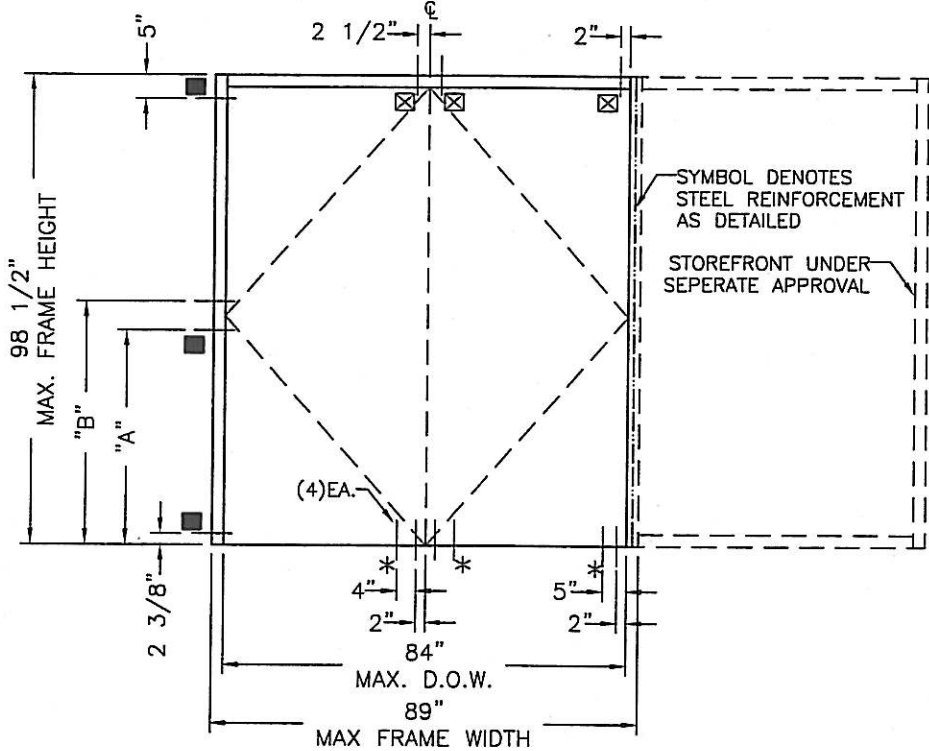
MAX. DESIGN PRESSURE BASED ON:
+70*/-80 PSF

* NOT APPROVED WHERE WATER INFILTRATION
REQUIREMENT IS NEEDED, UNLESS MEET EXEMPTION
REQUIREMENTS PER F.B.C.
** LOWER DESIGN PRESSURE OF STOREFRONT OR
DOORS WILL GOVERN.
*** TRANSOM IS LIMITED TO 18-3/8" AND OVERALL
TRANSOM SIZE OF 24-3/8".

NOTES:
Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.
— = EACH HORIZONTAL LINE
OR VERTICAL LINE REPRESENTS
ONE (1) FASTENER TYPE PER SYMBOL.

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

L. Waldrop
4/30/11



Lewis A. Waldrop, P.E.
P.O. Box 620
Alto, GA 30510
706-778-3784

Approved as complying with the
Florida Building Code
Date JUNE 02, 2011
NOAH 11-0520-02
Miami Dade Product Control
By Isabel L. Chavala

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
PERIMETER FASTENER CHARTS

DATE	4/13/2011
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	381_03
SHEET	12 OF 18

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO: WOOD SUBSTRATE

DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.														
	"A"	"C"	"B"	"D"	"E"	"F"	"G"	"H"	"J"	"K"	"L"	"M"	"N"	"O"	"P"
84"	43-1/2"	46-1/2"	49-1/2"	52-1/2"	76"	78"	80"	82"	88"	90"	92"	94"	45"	48"	51"
96"	43-1/2"	46-1/2"	49-1/2"	52-1/2"	88"	90"	92"	94"	100"	102"	104"	106"	45"	48"	51"

TYP. INSTALLATION INTO: WOOD SUBSTRATE

- 3/8" LAG BOLT WITH FILLER PLATE
FULL LENGTH OF MULLION
- ☒ 3/8" LAG BOLT
- * #14 WOOD SCREW
- 3" PENETRATION INTO WOOD MEMBER FOR
3/8" LAG BOLT AND 1-3/4" PENETRATION
INTO WOOD MEMBER FOR #14 WOOD SCREW
MIN. EDGE DISTANCE 1-1/2", MIN.
SPACING IS 2", WOOD STRUCTURE IS MIN.
#2 SYP

MAX. DESIGN PRESSURE BASED ON:
+70*/-80 PSF

- * NOT APPROVED WHERE WATER INFILTRATION
REQUIREMENT IS NEEDED, UNLESS MEET EXEMPTION
REQUIREMENTS PER F.B.C.
- ** LOWER DESIGN PRESSURE OF STOREFRONT OR
DOORS WILL GOVERN.
- ** TRANSOM IS LIMITED TO 18-3/8" AND OVERALL
TRANSOM SIZE OF 24-3/8".

NOTES:

- △ = STRUCTURAL FASTENERS
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- = EACH HORIZONTAL LINE
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ONE (1) FASTENER TYPE PER SYMBOL

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FLA. P.E. #21959

Lewis A. Waldrop
4/20/11

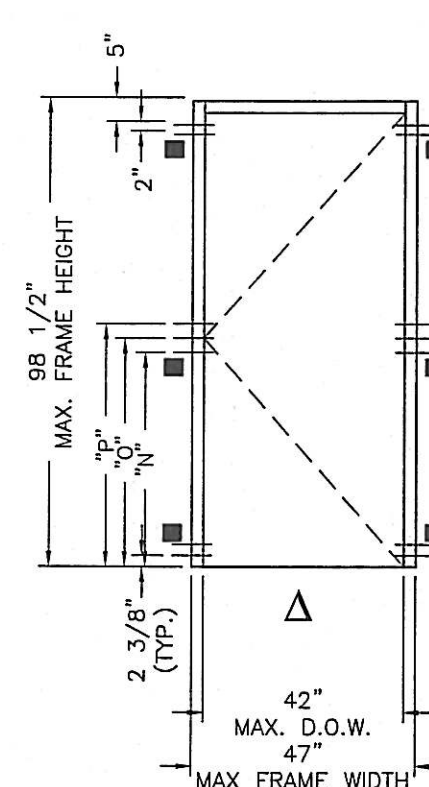
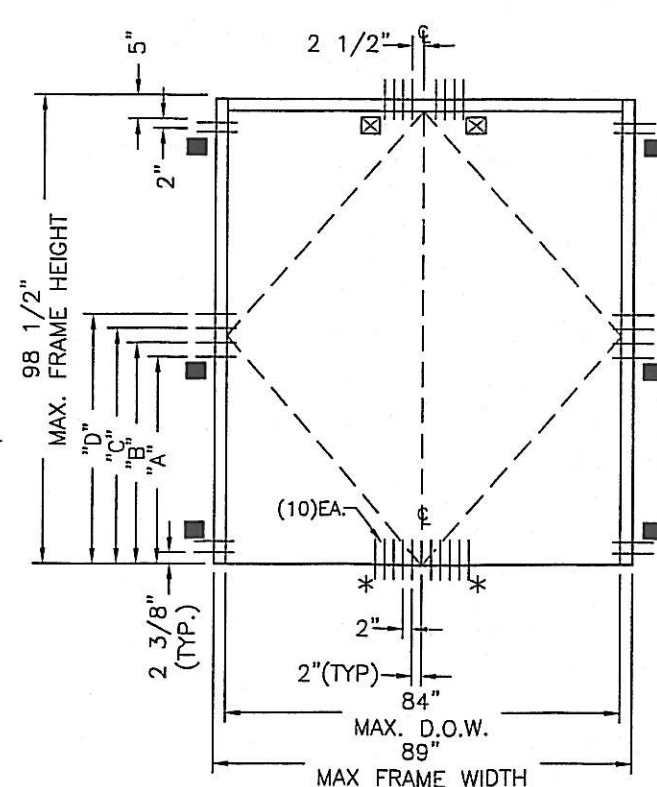
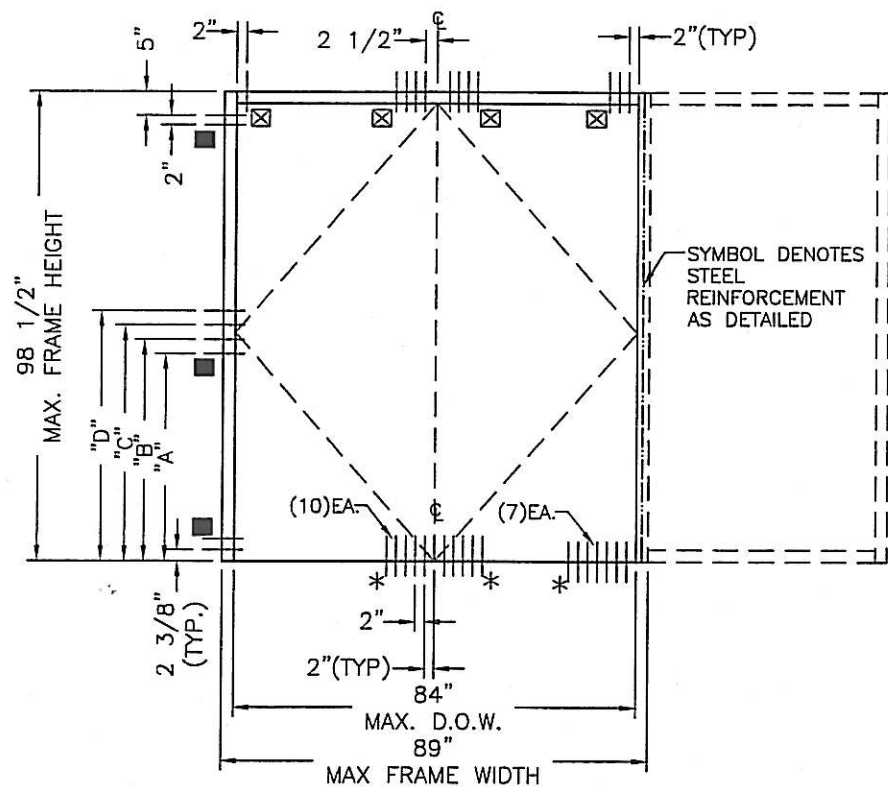
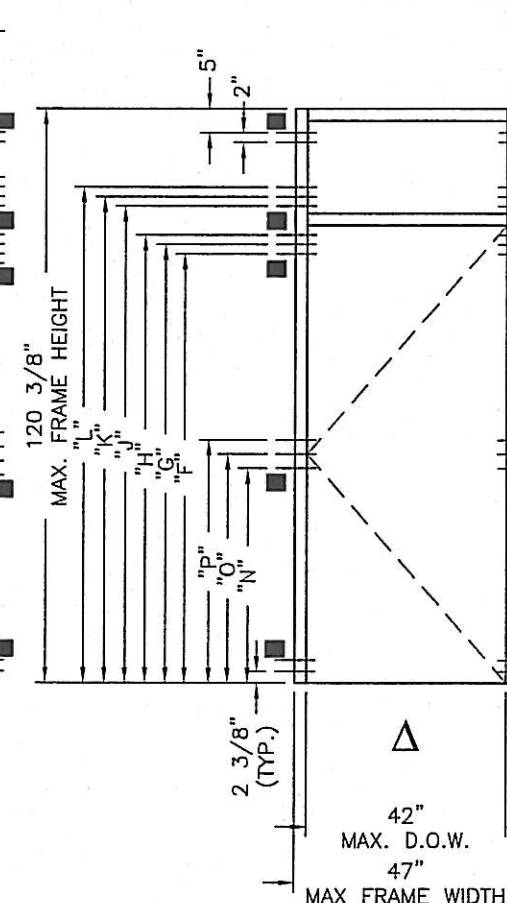
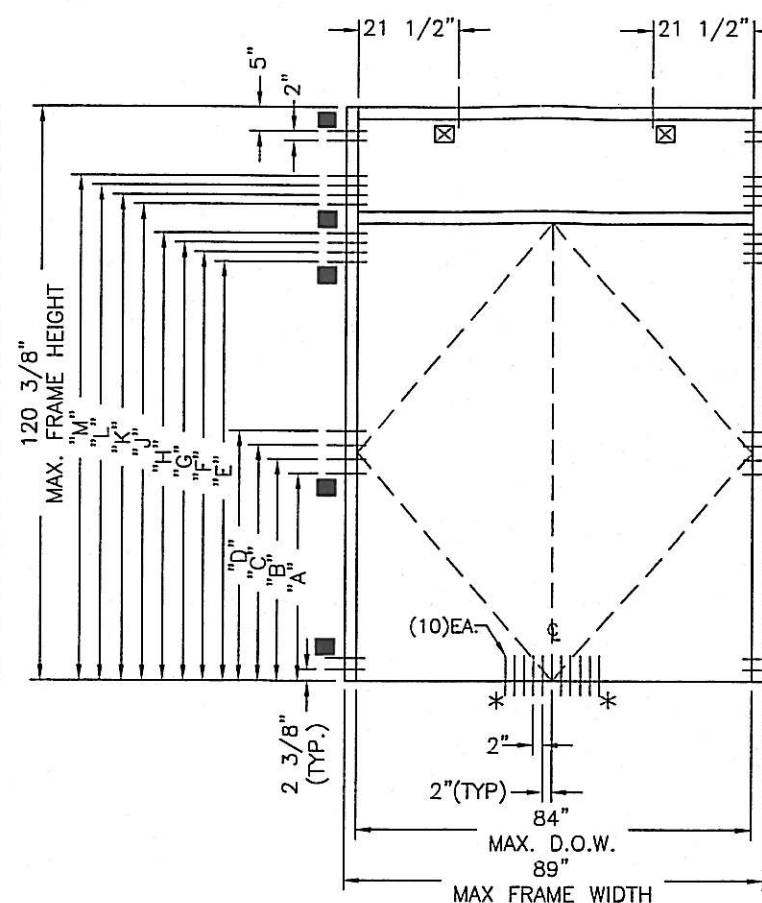
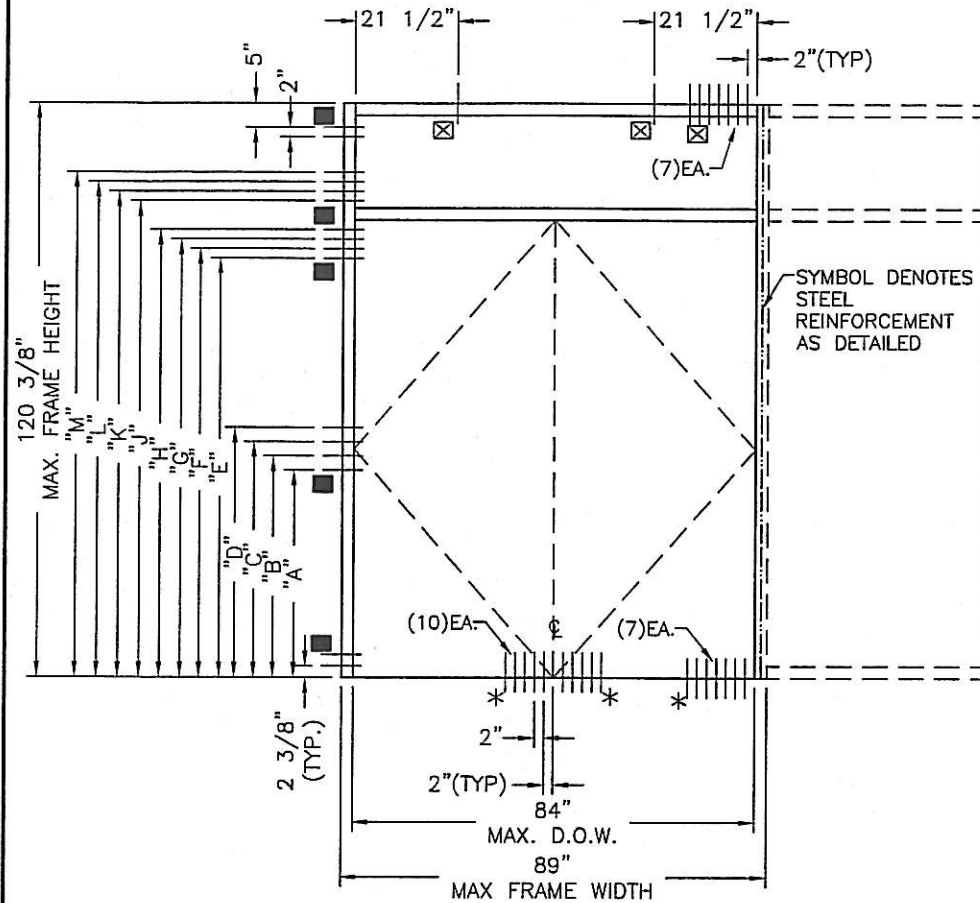
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Alto, GA 30510
706-778-3784

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Florida Building Code
Date JUNE 02, 2011
NOA# 11-0520-02
Affiant Date Product Control
By Shang L. (hsu)

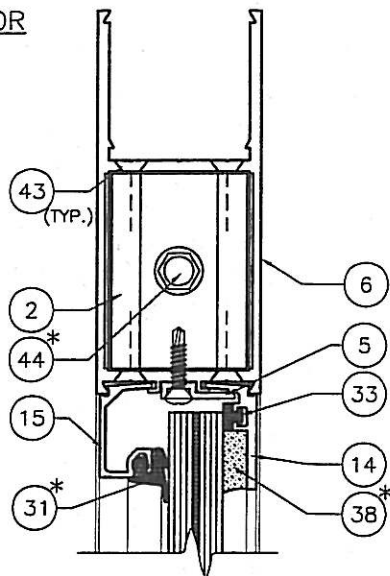
DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
PERIMETER FASTENER CHARTS

DATE	4/20/2011
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	381_03
SHEET	13 OF 18

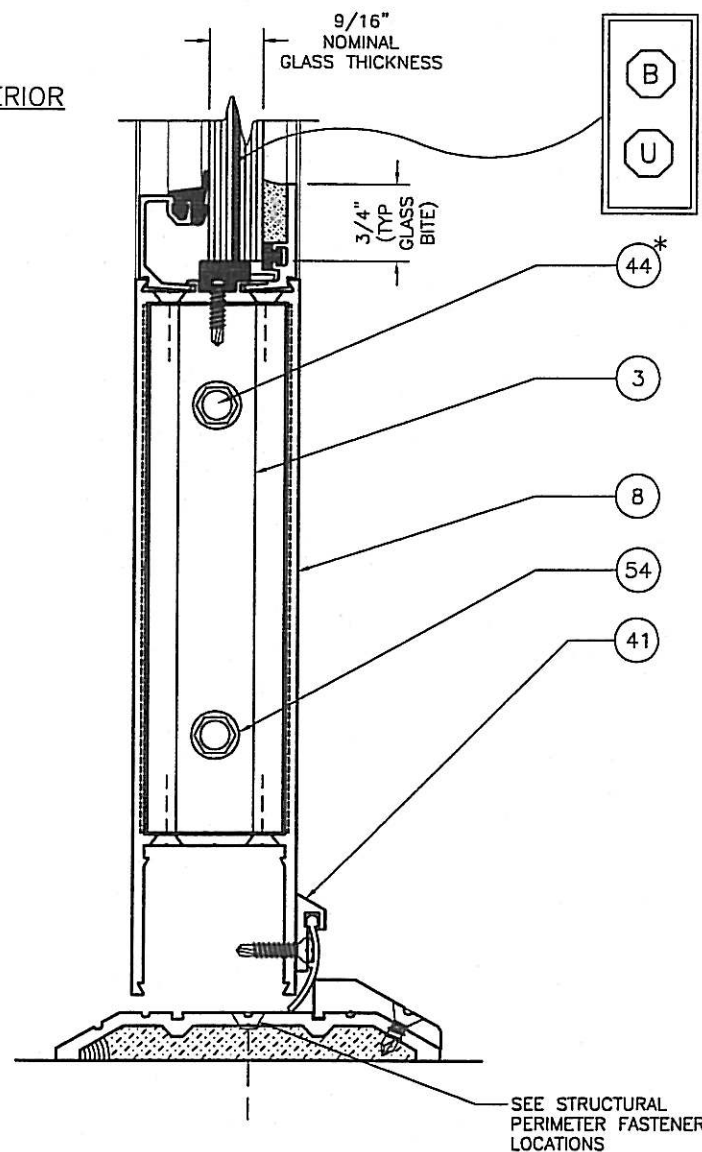


EXTERIOR



GLAZING DETAIL - TOP RAIL

EXTERIOR



GLAZING DETAIL - BOTTOM RAIL

SEE STRUCTURAL
PERIMETER FASTENER
LOCATIONS

GLAZING SCHEDULE

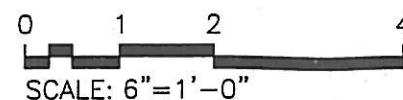
GLASS MARK SYMBOL	GLASS TYPE	MAXIMUM DLO SIZE
(B)	9/16" LAMINATED GLASS 1/4" H.S. OUTBOARD - .090 SAFLEX PVB SOLUTIA INTERLAYER - 1/4" H.S. INBOARD	32-5/16" x 82-3/16"
(U)	9/16" LAMINATED GLASS 1/4" H.S. OUTBOARD - .120 CYTEC UVEKOL® "S" UVEKOL INTERLAYER - 1/4" H.S. INBOARD	
(A)	1-5/16" INSULATED -1/4" H.S. -1/2" AIR SPACE -1/4" H.S. -.075 VS02 INTERLAYER -1/4" H.S.	82 x 18-3/8

TYPICAL DOOR GLASS SIZE = DLO + 1-1/2"

OPTIONS AND LIMITATIONS

GLASS MARK SYMBOL	DESIGN PRESSURE P.S.F.	MAX. D.O. (INCHES) PAIR	MAX D.O. (INCHES) SINGLE
(B)	+70/-80	84 x 96	42 x 96
(U)	+70/-80	84 x 96	42 x 96
(A)	+70/-80	82 x 18-3/8	40 x 18-3/8

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706-778-3784



Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Lewis A. Waldrop
4/20/11

Approved as complying with the
Florida Building Code
Date JUNE 02, 2011
NOA# 11-0520-02
Miami Dade Product Control
By Ishag L. Chaudhry

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203

GLAZING SCHEDULE

DATE			4/13/2011		
DRAWN		CHECKED		APPROVED	
MLL		JDW		JDW	
PROJECT NO.					
DRAWING NO.					
381_03					
SHEET					
14 OF 18					

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 800-255-7320

DESCRIPTION

DATE

REV

BY

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	BP380	STEEL BACK-UP PLATE/FLUSH BOLT GUIDE	1.475 X 3.282X 3.062 X 0.180	ZINC PLATED STEEL	VARIES	USED TOP & BOTTOM ⑪
2	CB102	DOOR- CORNER BLOCK	2.130 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	FABRICATED CUT LENGTH = 2.032
3	CB108	DOOR- CORNER BLOCK	2.130 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	FABRICATED CUT LENGTH = 5.553
4	CB109	DOOR- CORNER BLOCK	2.130 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	FABRICATED CUT LENGTH = 7.513
5	CS501-1	GLASS STOP CLIP	0.178 X 0.769 X 0.068	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	USED WITH ⑭
6	D102	DOOR RAIL	4.000 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
7	D106	DOOR- ADJUSTABLE ASTRAGAL	0.331 X 1.562 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
8	D108	DOOR- BOTTOM RAIL	7.500 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
9	D109	BOTTOM DOOR RAIL	9.500 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
10	D110	DOOR -HINGE STILE	3.750 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
11	D111	DOOR- INACTIVE MEETING STILE	3.750 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
12	D112	DOOR- ACTIVE MEETING STILE	3.614 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
13	DB122-1	CHANNEL SPACER	4.406 X 1.455 X 0.090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 12" LONG
14	DG501	DOOR- GLASS STOP- ATTACHED	1.000 X 0.539 X 0.100	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	DG502	DOOR- GLASS STOP- SNAP-IN	0.876 X 0.539 X 0.065	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	DP200-1	PANIC DOOR STOP AT PAIRS	0.402 X 1.323 X 0.188	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	DS202-1	DOOR STOP -OFFSET ARM COVER	1.188 X 2.000 X 0.090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	DS500	DOOR STOP	0.648 X 1.260 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
19	FL501	HEAD OR WALL JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
20	FL504	STD. VERTICAL MULLION OR DOOR JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
21	FL505	OPEN BACK MULLION FILLER	0.681 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
22	FL507	DOOR HEADER	2.500 X 4.980 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
23	FL512	DOOR HEADER	2.000 X 5.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
24	FL515	FLAT FILLER AT DOOR JAMB	0.681 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	RUNS FULL LENGTH OF DOOR JAMB ⑳ AT WALL
25	FL517	TRANSOM SASH	1.000 X 1.918 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
26	FL518	TRANSOM GLASS STOP	1.000 X 0.767 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
27	FL519	SUBSILL FLASHING	2.620 X 5.402 X 0.084	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	

(CONTINUED ON SHEET 16)

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

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Approved as complying with the
Florida Building Code
Date JUNE 21, 2011
NOAA 11-0520-02
Miami Code Product Control
By Lshayl. Chandra

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203

BILL OF MATERIALS

DATE 4/13/2011		
DRAWN MLL	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 381_03		
SHEET 15 OF 18		

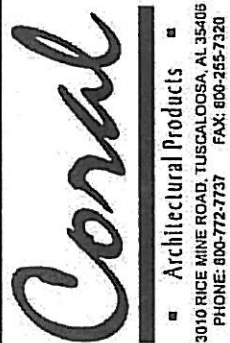
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▪ Architectural Products ▪

3010 RICE MINE ROAD, TUSCALOOSA, AL 35405
PHONE: 800-772-7737 FAX: 800-255-7320

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
28	TH4	THRESHOLD	0.500 X 4.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
29	TH403	THRESHOLD CLIP	1.900 X 1.909 X 0.126	STEEL	VARIES	
30	NG1	EXTERIOR GLAZING GASKET	0.188 SPACE	EPDM	VARIES	
31	NG5	BULB GASKET FOR (18)	0.260 X SPACE	EPDM	CORAL INDUSTRIES, INC.	
32	NG13	SPACER GASKET FOR (14)	0.201 X 0.288	EPDM	VARIES	
33	NG14	INTERIOR SPACER GASKET	0.250 X 0.188	EPDM	VARIES	
34	SB11	DOOR-SETTING/ EDGE BLOCK	0.319 X 0.523 X 4.000"	EPDM	VARIES	
35	SB13	SETTING BLOCK @ SILL & HORIZONTAL	0.800 X 0.688 X 4.000"	EPDM	VARIES	2 PER LITE (EXTERIOR & INTERIOR)
36	795	SILICONE- PERIMETER SEALANT	FILL SPACE	SILICONE	DOW CORNING	USED AT PERIMETER
37	995	SILICONE -GLASS TO METAL & INTERNAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL & INTERIOR
38	SM5601	JOINT SEALANT TAPE	0.500 X 0.125 X VARIES	BUTYL	SCHNEE-MOOREHEAD	
39	VG1	WEATHERING FOR (41)	1.142 X 0.120 X 0.060	SOFT VINYL	CORAL INDUSTRIES, INC.	CUT TO D.O.W. (LESS CLEARANCE)
40	WS100	DOOR SWEEP	0.812 X 0.302 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT TO D.O.W. (LESS CLEARANCE)
41	WP106	WEATHERING- (7) ADJUSTABLE ASTRAGAL	VARIABLE SPACE	WOOL PILE	VARIES	DOUBLE ROW- FULL LENGTH OF (7)
42	AS1	FASTENER	# 10 X 3/4" FHP	STEEL	VARIES	
43	AS4	CAP BOLT	3/8"-16 X 3/4" HWH	STEEL	VARIES	
44	AS7	FASTENER	#8 X 3/4" POH S.D.	STEEL	VARIES	
45	AS13	SQUARE NUT	1.475 X 1.475 X 0.180	ZINC PLATED STEEL	CORAL INDUSTRIES, INC.	
46	AS16	FASTENER	#14 X 1 HHSTS	STEEL	VARIES	TYPICAL SPLINE SCREW VERTICAL/HORIZONTAL JOINTS
47	AS18	FASTENER	#10 X 1-1/4" FHP	S. STEEL	VARIES	
48	AS20	FASTENER	#10-16 X 1/2" FHP	STEEL	VARIES	ATTACH (18) TO (28)
49	AS24	FASTENER	#10-24 X 3/8" FHPUC	STEEL	VARIES	
50	AS25	FASTENER	#12 X 3/4" HWH #3 S.D.	STEEL	VARIES	ATTACH (25) TO (23)
51	AS38	FASTENER	#10-24 X 3/8 HH	STEEL	VARIES	ATTACH (28) TO (20)
52	AS39	FASTENER	#10 X 1-3/4" FHP S.D.	S. STEEL	VARIES	MIDPOINT AND 10" FROM EACH END
53	AS41	3/8" LOCK WASHER	0.377 X 0.141 X 1.094	STEEL	VARIES	
54	SP100	ADJUSTABLE ASTRAGAL SPRING	1.055 X 0.485 X 0.055	S. STEEL	CORAL INDUSTRIES, INC.	USED AT (7) WITH (45)
55	AS15	FASTENER	#8 X 1-1/4" FHP TEK	STEEL	VARIES	



PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
BILL OF MATERIALS

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

[Signature]
4/13/11

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706-778-3784

Approved as complying with the
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Date JUNE 02, 2011
NOAH 11-0520-02
Miami Dade Product Control
By [Signature]

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

DATE 4/13/2011		
DRAWN MLL	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 381_03		
SHEET 16 OF 18		

HARDWARE SCHEDULES

DADE COUNTY PRODUCT APPROVAL					DOOR MARK		DOOR: #TYPICAL		ELEV: TYPICAL								
IMPACT		X					DOOR SIZE		7'-0" X 8'-0" PAIR								
				DOOR HINGING		LOCKING DEVICE		MANUFACTURER		NOTES:							
DOOR TYPE				B.H.		C.G.H.		O.P.		DH072-96		X		VARIES		3 POINT LOCK	
SERIES 381				X						EXIT DEVICES:				SERIES		NOTES:	
HARDWARE DESCRIPTION						PART NUMBER				QTY		MANUFACTURER					
BUTT HINGE 4-1/2" X 4"						DH109				6		HAGER					
PULL HANDLE						PH1-10				11		CORAL					
PUSH BAR						PB1-39				1		CORAL					
CYLINDER (ACTIVE)						DH078				1		VARIES					
THUMB TURN (ACTIVE) OPTIONAL						DH079				1		VARIES					
LOCK (ACTIVE)						DH072-96 (3-PT LOCK)				1		VARIES					
FLUSH BOLT (INACTIVE)TOP/BTM 84" DOOR						DH176				1		VARIES					
FLUSH BOLT (INACTIVE)TOP ONLY 96" DOOR						D176-96				1		VARIES					
THRESHOLD						TH4				1		CORAL					
DOOR BOTTOM SWEEP						WS142				2		CORAL					
NOTES:																	

DADE COUNTY PRODUCT APPROVAL					DOOR MARK		DOOR: #TYPICAL		ELEV: TYPICAL	
IMPACT		X			DOOR SIZE		7'-0" X 8'-0" PAIR			
		DOOR HINGING			LOCKING DEVICE		MANUFACTURER		NOTES:	
DOOR TYPE		B.H. C.G.H. O.P.								
SERIES 381		X			EXIT DEVICES:		SERIES		NOTES:	
					JACKSON		X		2086 CVR PANIC	
HARDWARE DESCRIPTION					PART NUMBER		QTY		MANUFACTURER	
CLOSER- CONCEALED OVERHEAD					CL205 H.D. W/O.A. ASS'Y		2		JACKSON	
BUTT HINGE 4-1/2" X 4"					DH109		6		HAGER	
PULL HANDLE					OH401		2		CORAL	
CYLINDER (ACTIVE)					DH078		1		CORAL	
PANIC STOP					DP200-2		1		CORAL	
TRESHOLD					TH4		1		CORAL	
DOOR BOTTOM SWEEP					WS142		2		CORAL	
NOTES:										
C.V.R. = JACKSON CONCEALED VERTICAL ROD										

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Florida Building Code
Date: JUNE 07 2011
NOA# 11-0520-02
Miami Dade Product Control?
By Ishag I. Chahade

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
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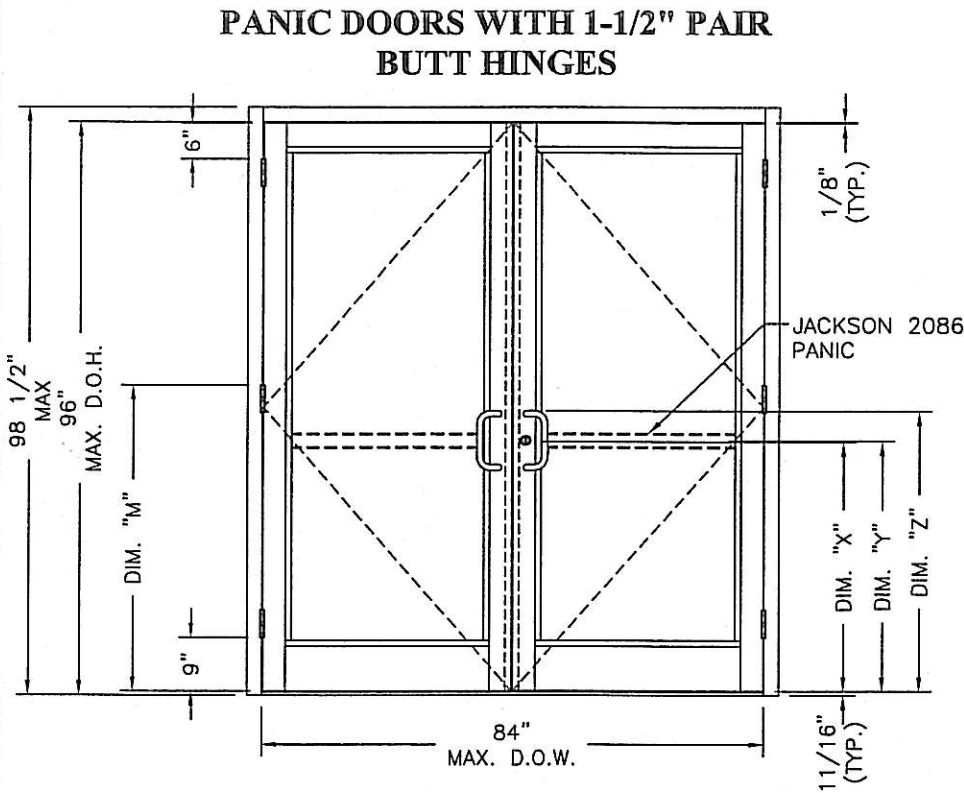
HARDWARE SCHEDULES

DATE 4/13/2011		
DRAWN MLL	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 381_03		
SHEET 17 OF 18		

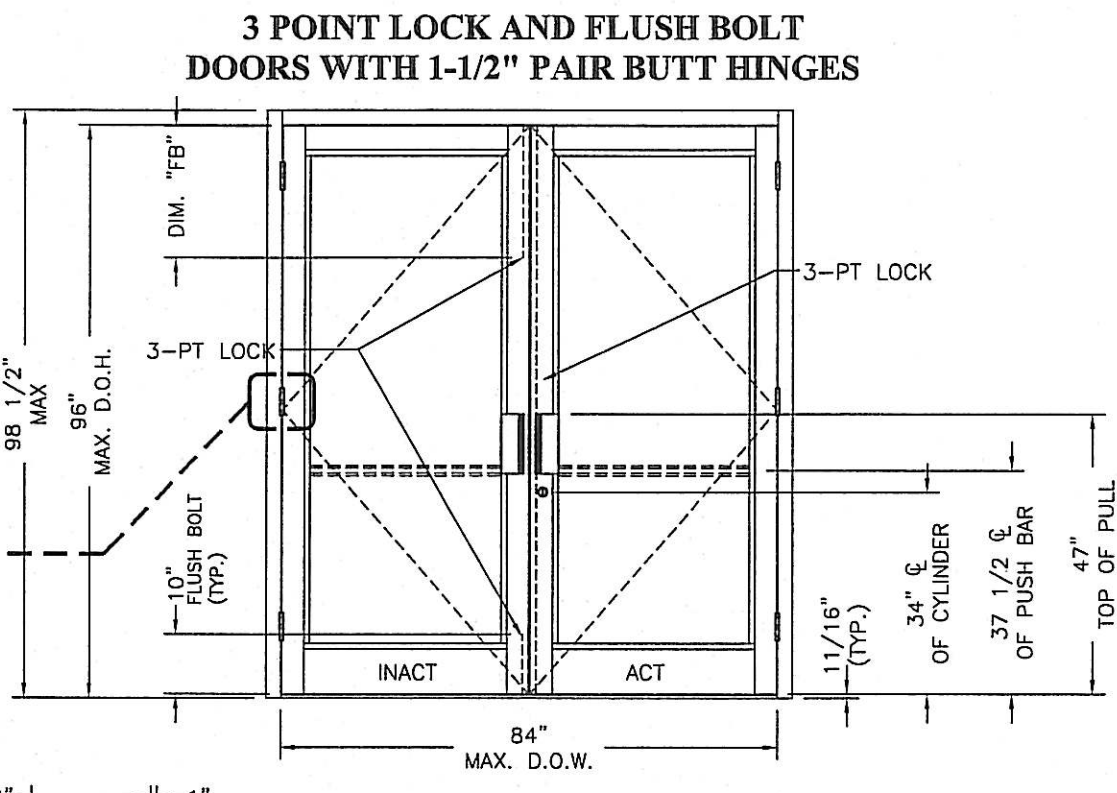
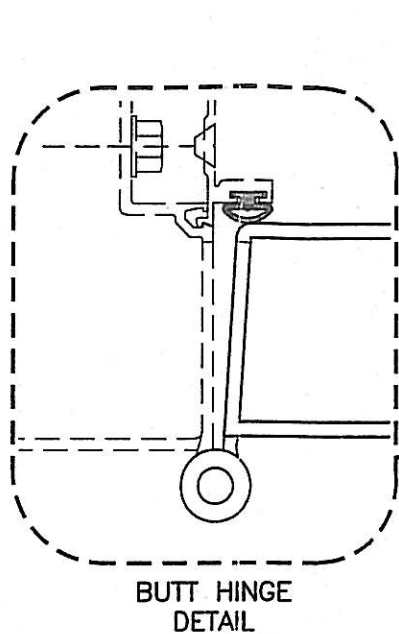
Coral

▪ Architectural Products ▪
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-773-7737 FAX: 205-343-7651

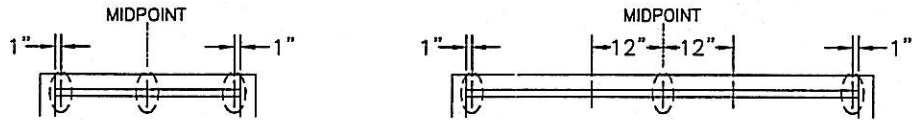
STANDARD HARDWARE LOCATIONS FOR SERIES 381 OFFSET HUNG HURRICANE IMPACT-RESISTANT DOORS



INTERMEDIATE HINGE LOCATION	
D.O. HEIGHT	DIM. "M" BUTT HUNG
84"	45-11/32"
96"	51-11/32"



HDW LOCATIONS FOR PANIC DOORS				
MANUFACTURER	PANIC DEVICE	DIM "X" ¢ OF CYLINDER	DIM "Y" ¢ OF PANIC	DIM "Z" TOP OF PULL
JACKSON	2086 H.R.-C.V.R.	37 7/8"	38 5/32"	42 7/8"



ATTACHMENT LOCATIONS
FOR DS202-1 DOOR STOP AT HEADER
(84" OR 96" DOOR HEIGHT)

P/N	DESCRIPTION	DIM "FB"
DH176-96	TOP FLUSH BOLT (FOR 96" DOOR HGT.)	22"
DH176	TOP FLUSH BOLT (FOR 84" DOOR HGT.)	10"
	BOTTOM FLUSH BOLT (FOR 84"/ 96" DOOR HGT.)	10"

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ABBREVIATIONS:
D.O.H. = DOOR OPENING HEIGHT
D.O.W. = DOOR OPENING WIDTH
C.V.R. = CONCEALED VERTICAL ROD

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

[Signature]
4/20/11

Approved as complying with the
Florida Building Code
Date June 21, 2011
NOA# 11-0920-02
Miami Dade Product Control
By [Signature]

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 381 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
HARDWARE LOCATIONS

DATE			4/13/2011		
DRAWN MLL		CHECKED JDW		APPROVED JDW	
PROJECT NO.					
DRAWING NO.					
381_03					
SHEET					
18 OF 18					