



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
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Coral Industries, Inc.
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 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 "281" Outswing Storefront Doors (NS)-LMI

APPROVAL DOCUMENT: Drawing No. 281-03, titled "series 281 Out Swinging Doors-Impact", sheets 1 through 18 of 18, prepared by manufacturer, dated 02/03/2010, 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. 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, **Tuscaloosa, Alabama** 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.**

MIAMI-DADE COUNTY
APPROVED

NOA No 07-0626.06
Expiration Date: March 31, 2015
Approval Date: March 31, 2010
Page 1

3/9/10

Coral Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **281-03**, titled "series 281 Out Swinging Doors-Impact", sheets 1 through 18 of 18, prepared by manufacturer, dated 02/03/2010, 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, 11/06/07 and last revised on 02/21/08, 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 Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

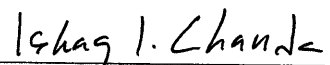
1. Notice of Acceptance No. **08-0206.01** issued to Solutia, Inc. for "**Saflex HP Glass Interlayer**", expiring on 04/17/2013.
2. Notice of Acceptance No. **09-0310.02.** issued to Cytec Industries (former UCB Chemical Corp/Surface Specialties Inc.) for "**Uvekool S Laminated Glass**", expiring on 02/08/10.

F. STATEMENTS

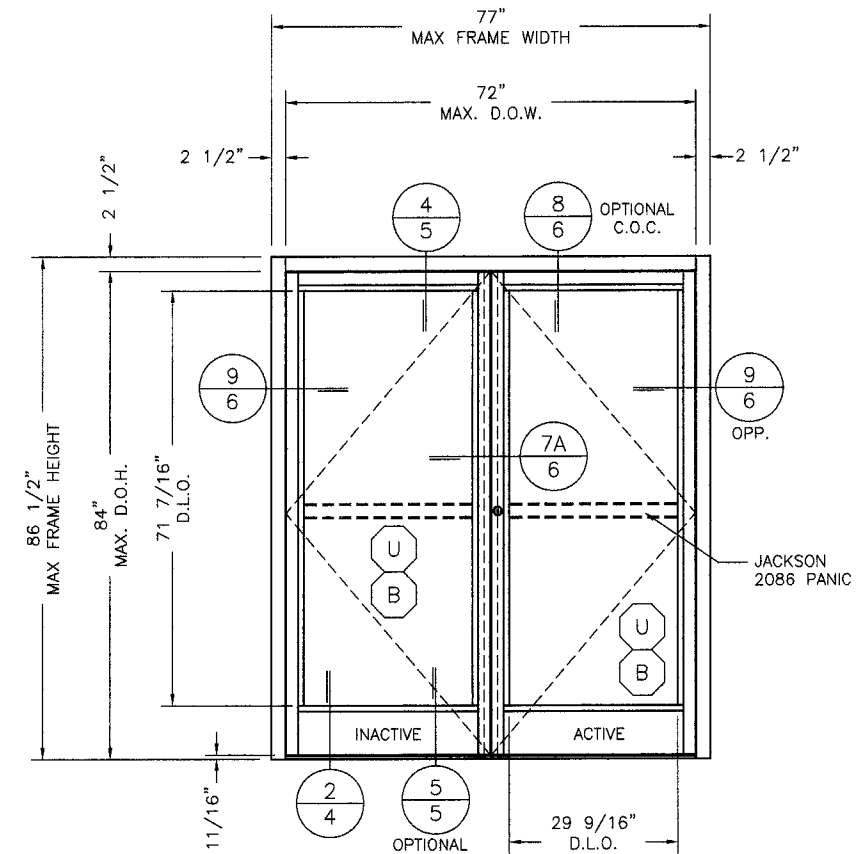
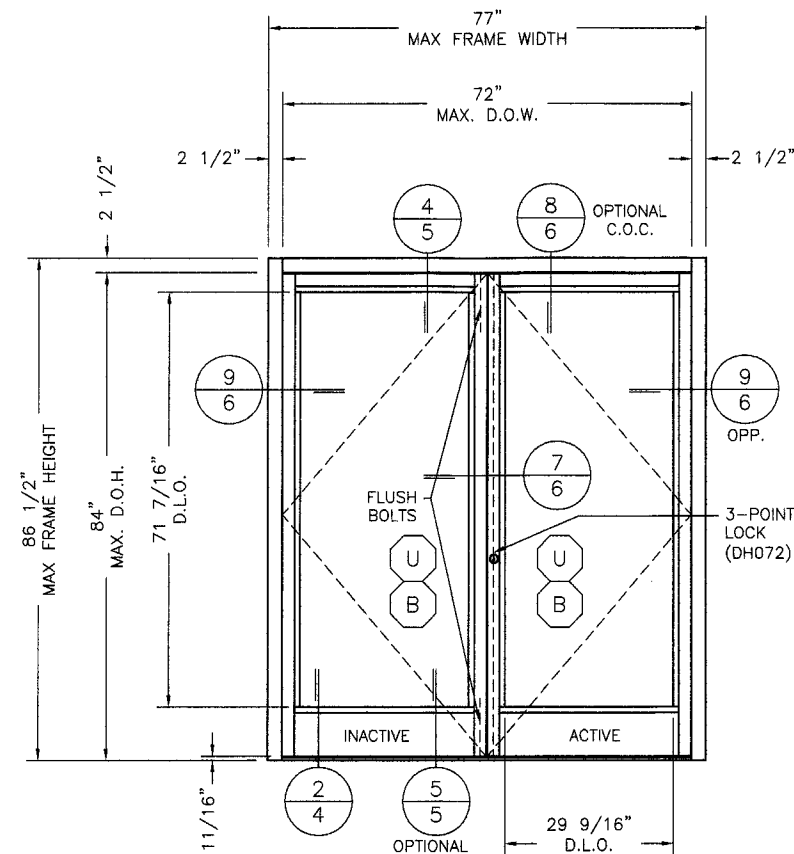
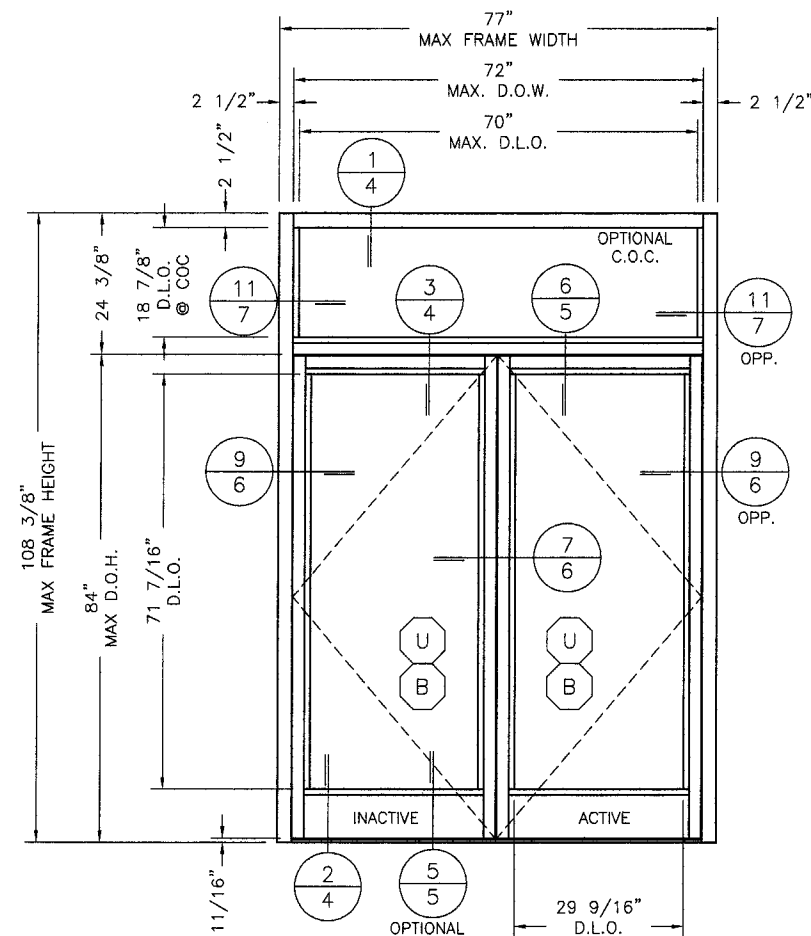
1. Statement letter of conformance, dated March 10, 2010, signed & sealed by Lewis A. Waldrop, P.E.
2. Statement letter of "No financial interest", dated June 13, 2007, signed by Lewis A. Waldrop, P.E.
3. Lab compliance letter, part of above referenced test reports.

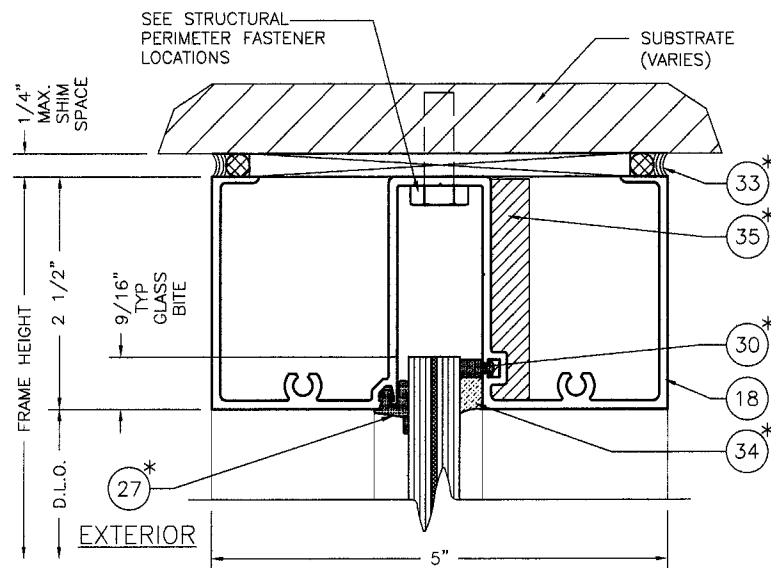
G. OTHER

1. None



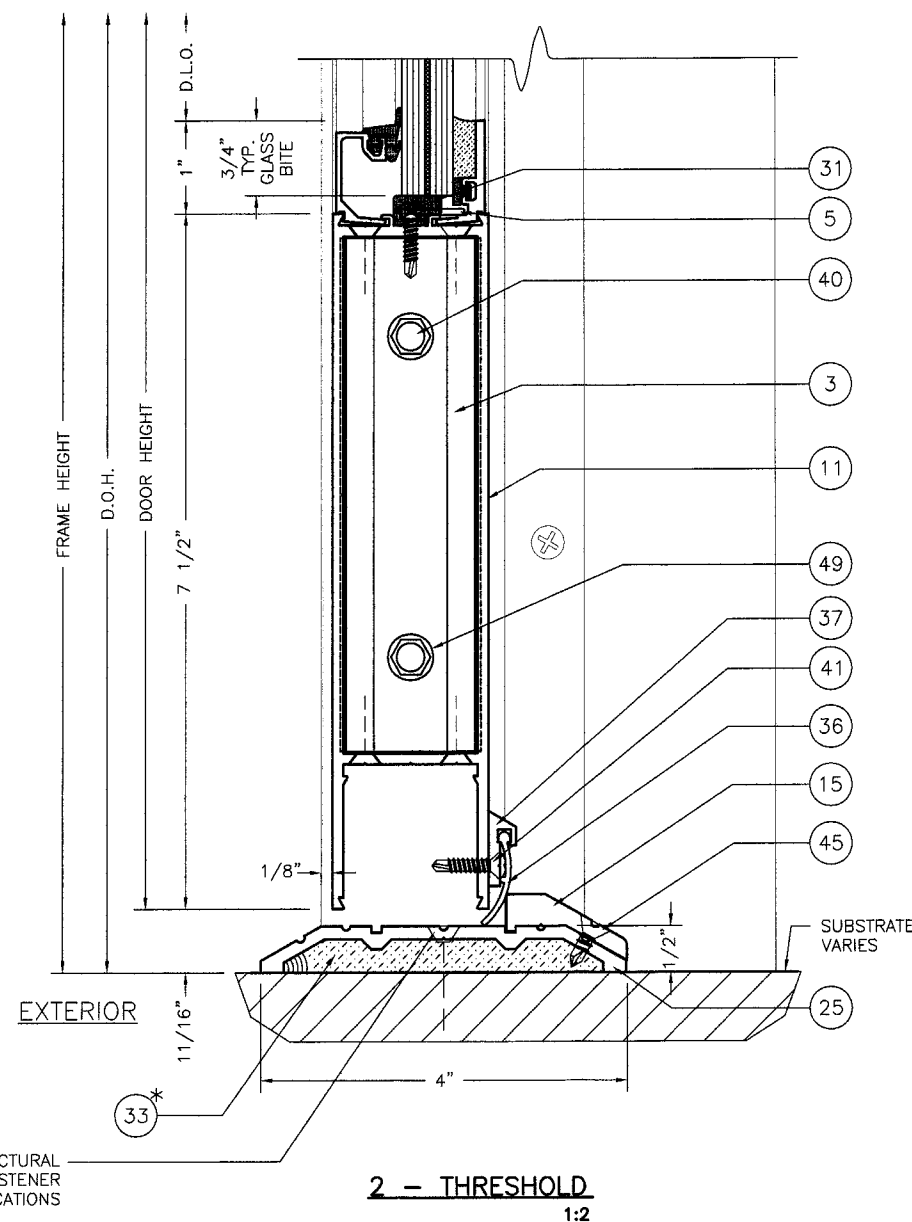
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 07-0626.06
Expiration Date: March 31, 2015
Approval Date: March 31, 2010

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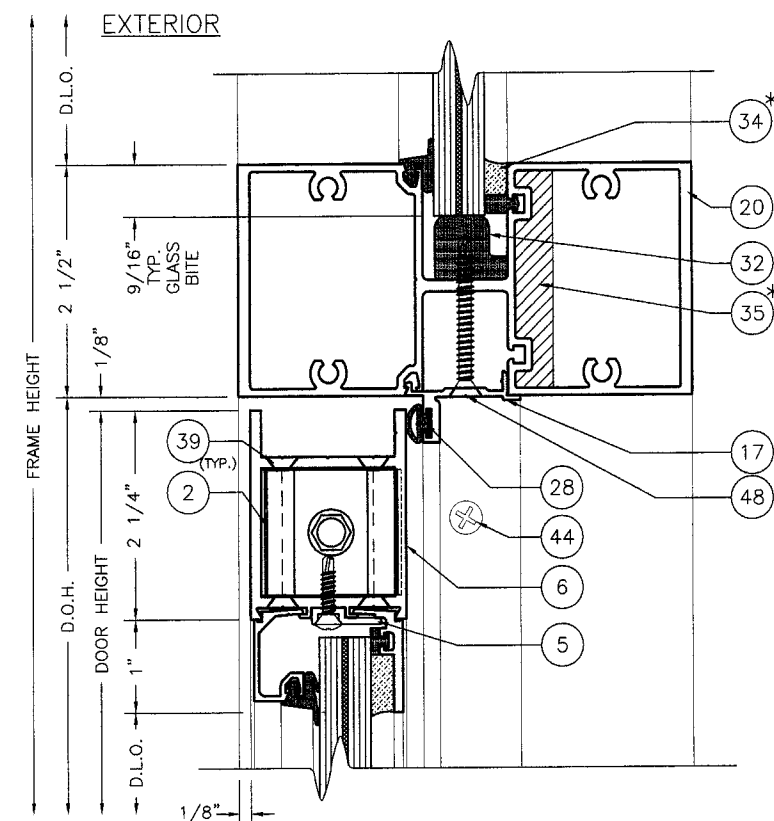


1 - TRANSOM HEAD
1:2

- 27 * TYPICAL EXTERIOR GASKET
- 30 * TYPICAL INTERIOR SPACER GASKET
- 33 * TYPICAL EXT. AND INT. PERIMETER SEALANT
- 34 * TYPICAL INTERIOR SEALANT
- 35 * TYPICAL @ ALL JOINT INTERSECTIONS
- 43 * TYPICAL @ ALL SPLINES

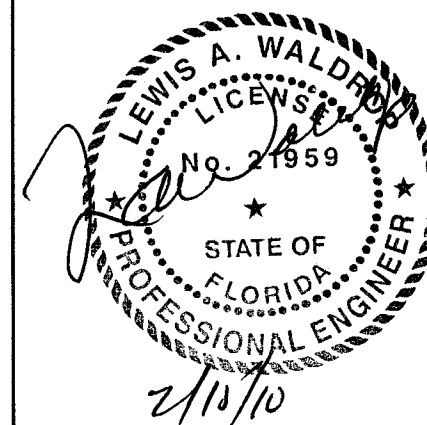


2 - THRESHOLD
1:2



3 - TRANSOM BAR FOR SURFACE CLOSER
1:2

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



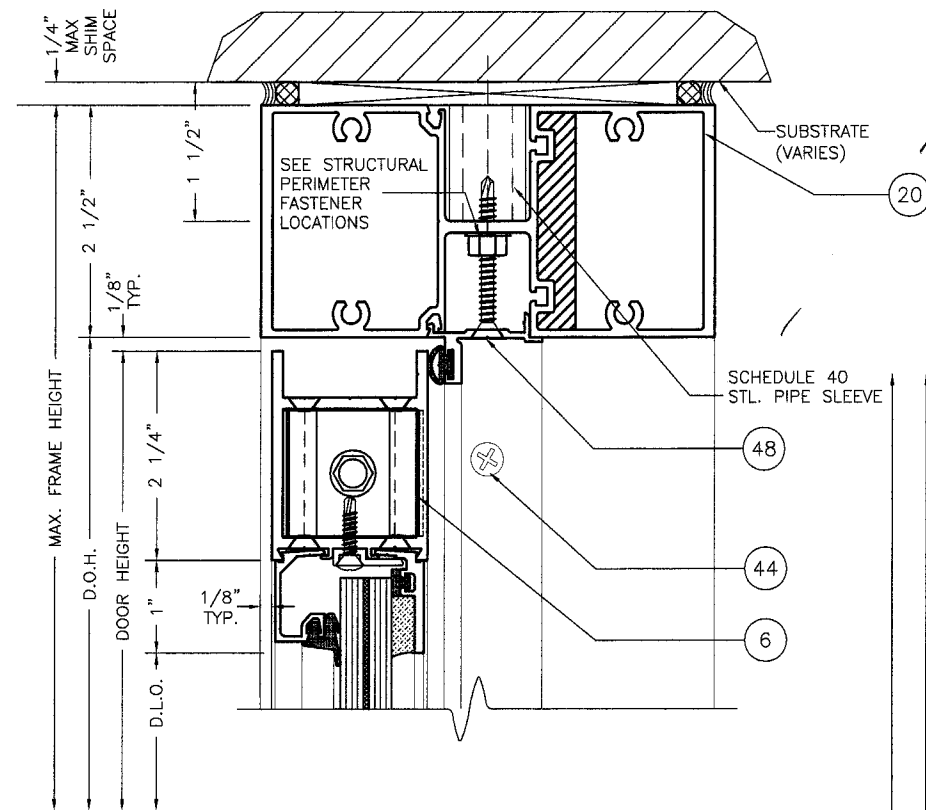
Approved as complying with the
Florida Building Code
Date 07-06-06
NOA# MAR-31-2010
Miami Dade Product Control
Division
By [Signature]

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

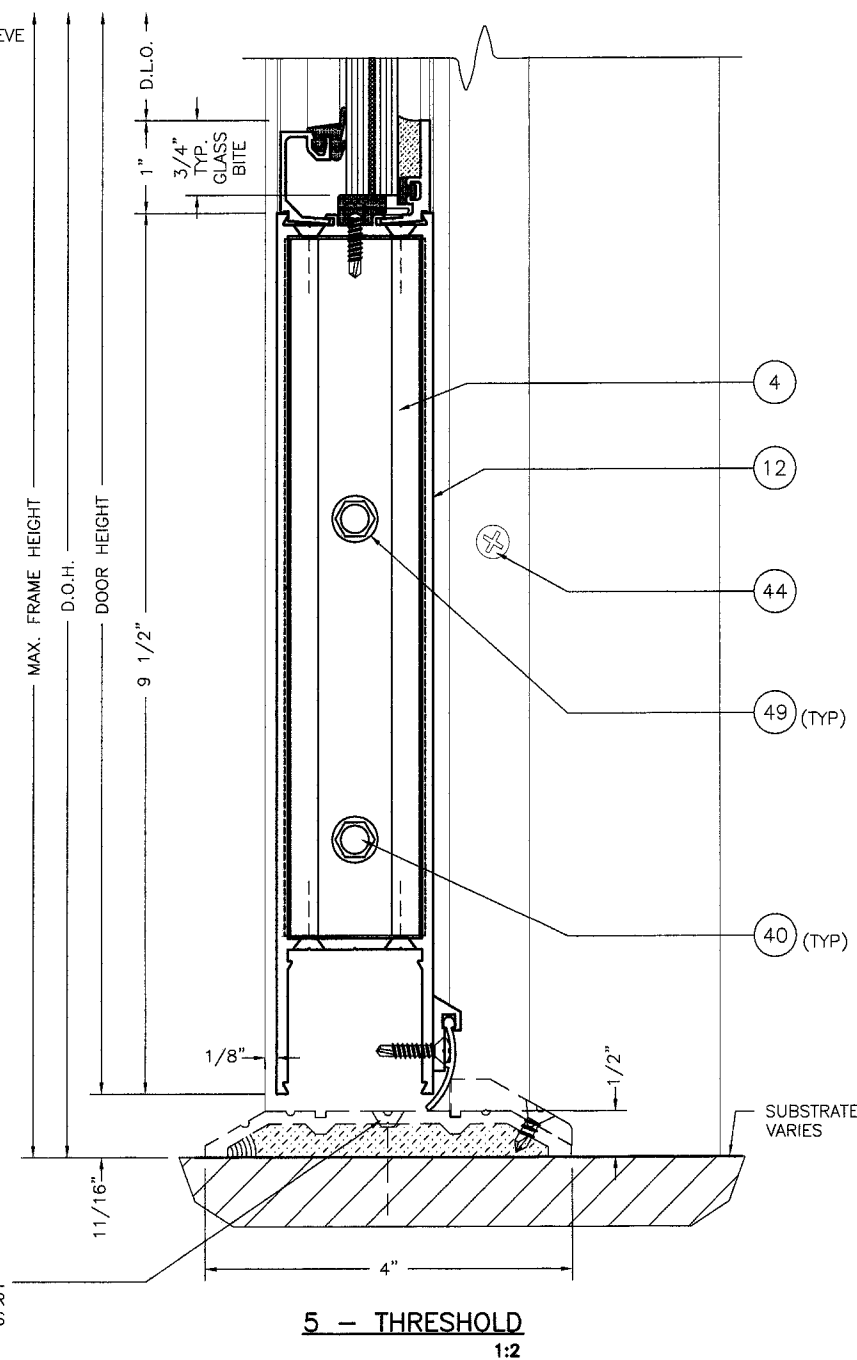
PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR AND FRAMING DETAILS

DATE	2/3/2010
DRAWN PCH	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	281-03
SHEET	4 OF 18

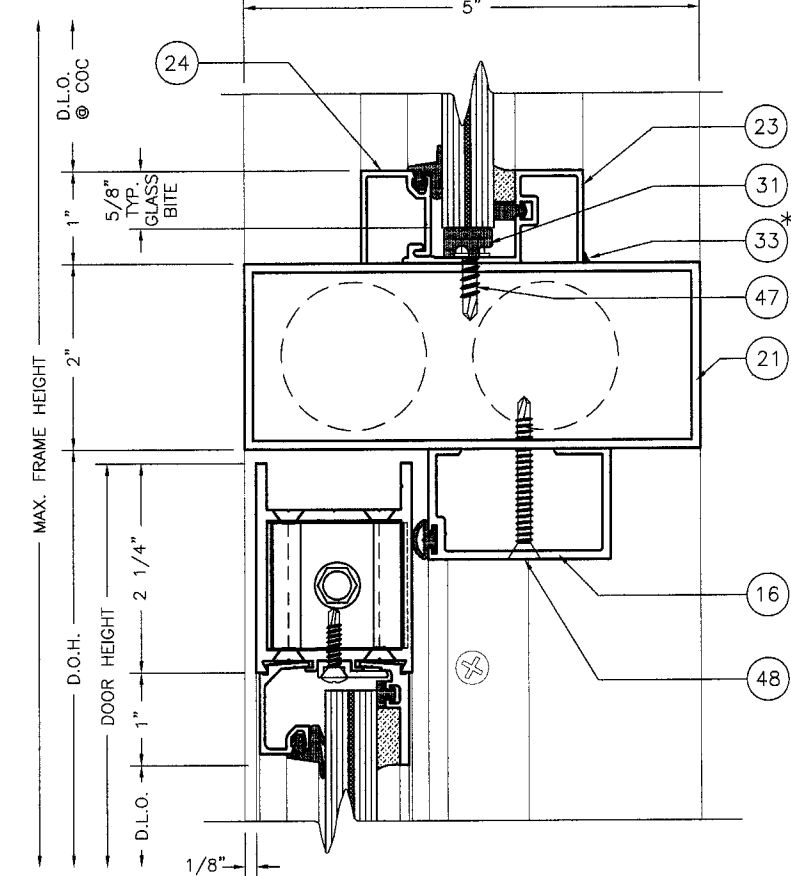
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Architectural Products
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PHONE: 800-772-7737 FAX: 800-443-6261



4 - DOOR FRAME HEADER FOR SURFACE CLOSER
1:2

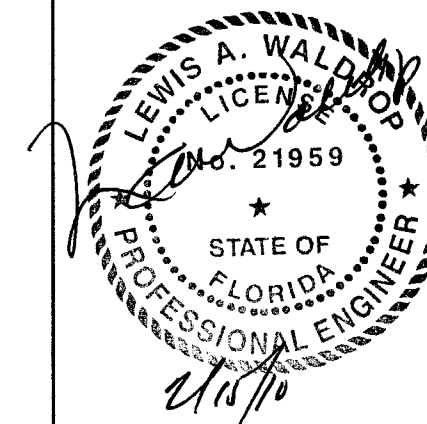


5 - THRESHOLD
1:2



6 - C.O.C. TRANSOM BAR WITH OFFSET ARM
1:2

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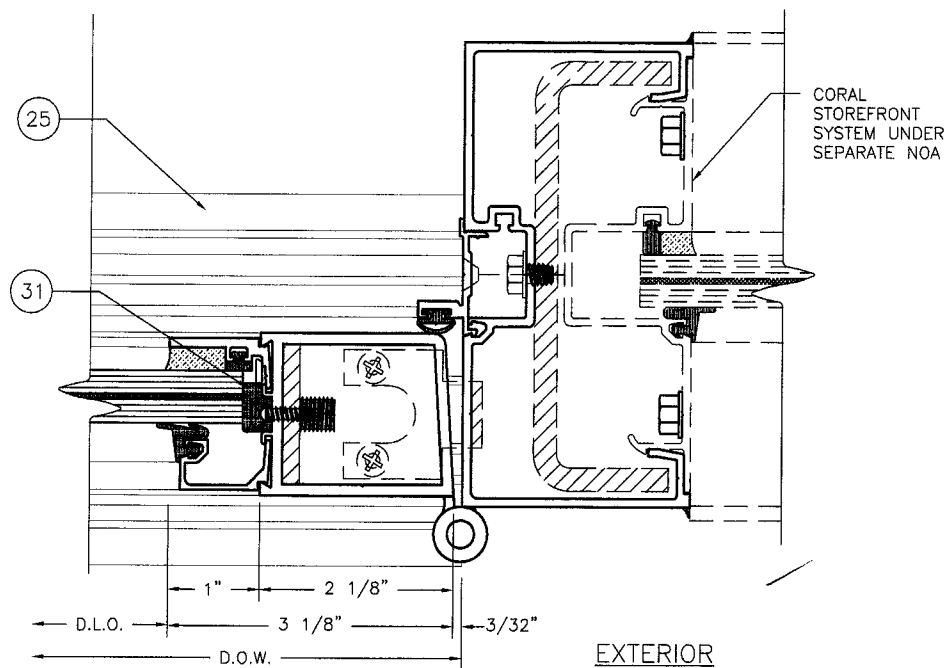


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NOA# MAR. 31, 2010
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Division
By Ishag I. Lhanda

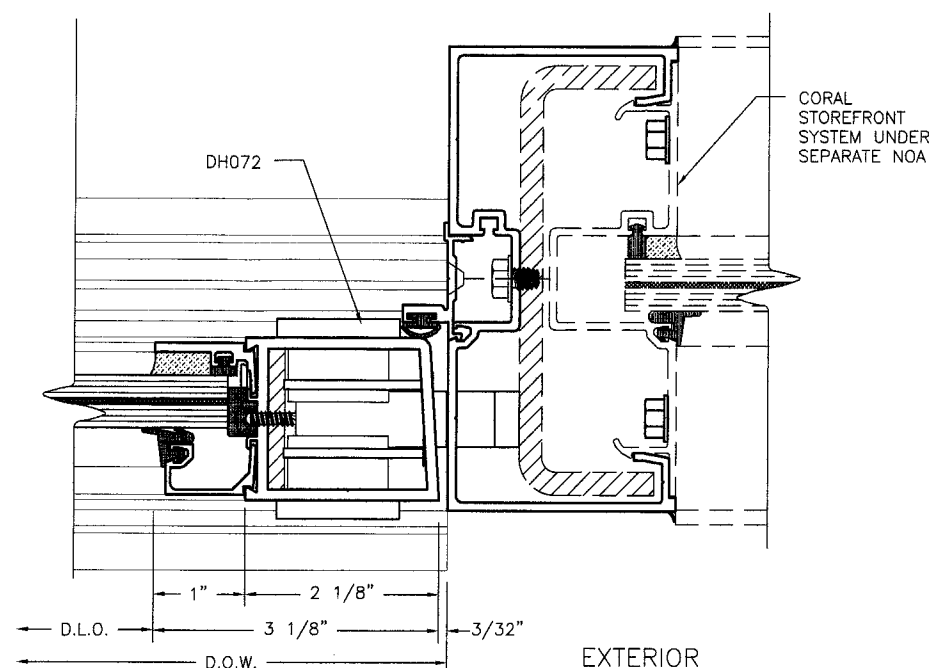
DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

**PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR AND FRAMING DETAILS**

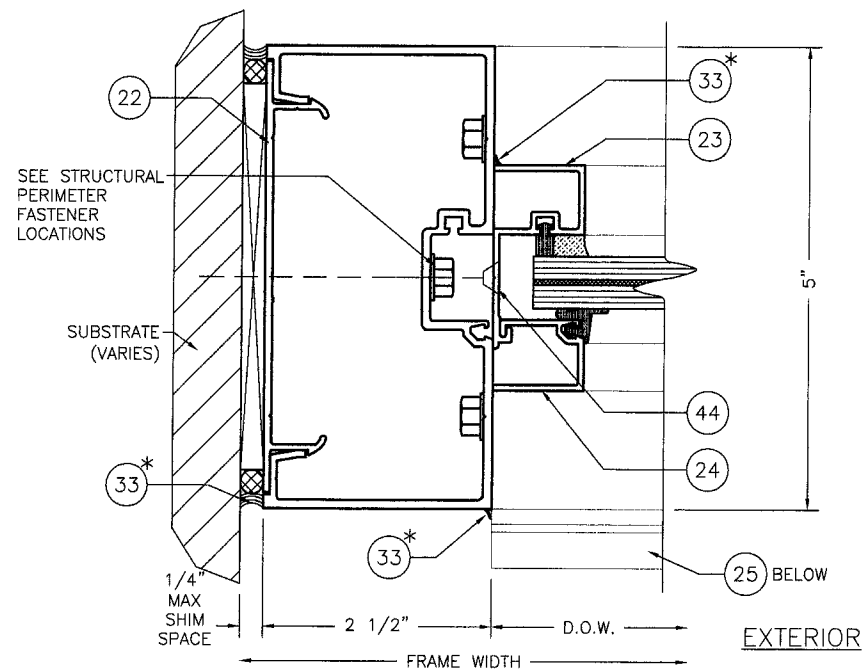
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PROJECT NO.		
DRAWING NO. 281-03		
SHEET 5 OF 18		



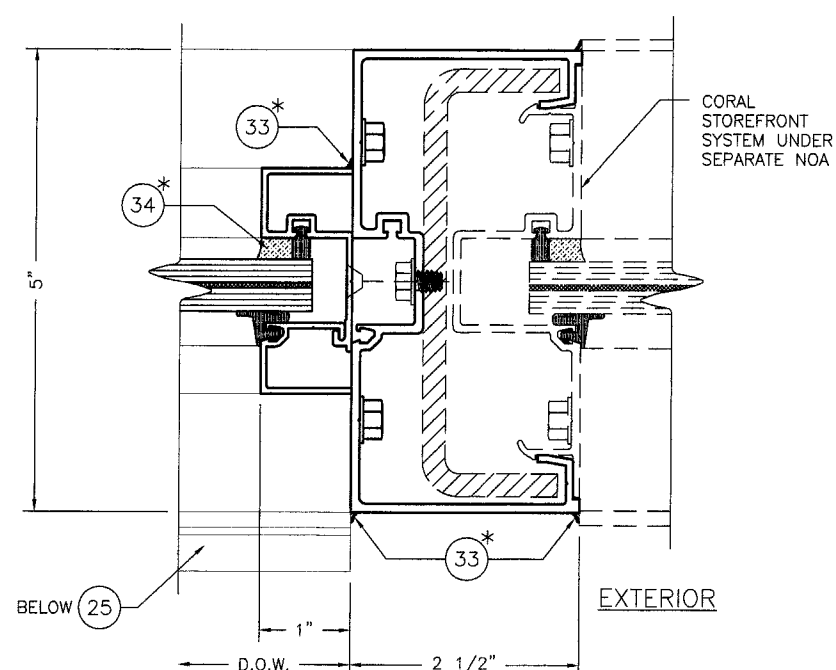
10 - INTERM. HINGE JAMB
1:2



10A - INTERM. LOCK JAMB
1:2

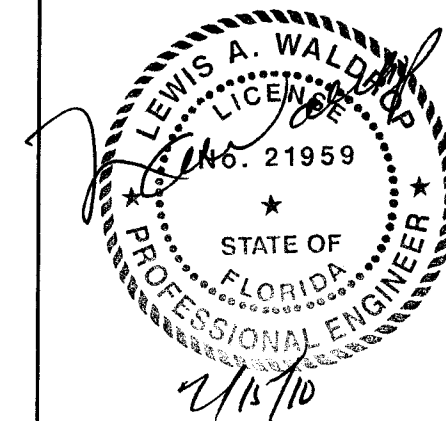


11 - TRANSOM JAMB AT WALL
1:2



12 - INTERM. TRANSOM JAMB
1:2

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Miami Dade Product Control
Division
By [Signature]

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
DOOR AND FRAMING DETAILS

DATE	2/3/2010
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281-03
SHEET	7 OF 18

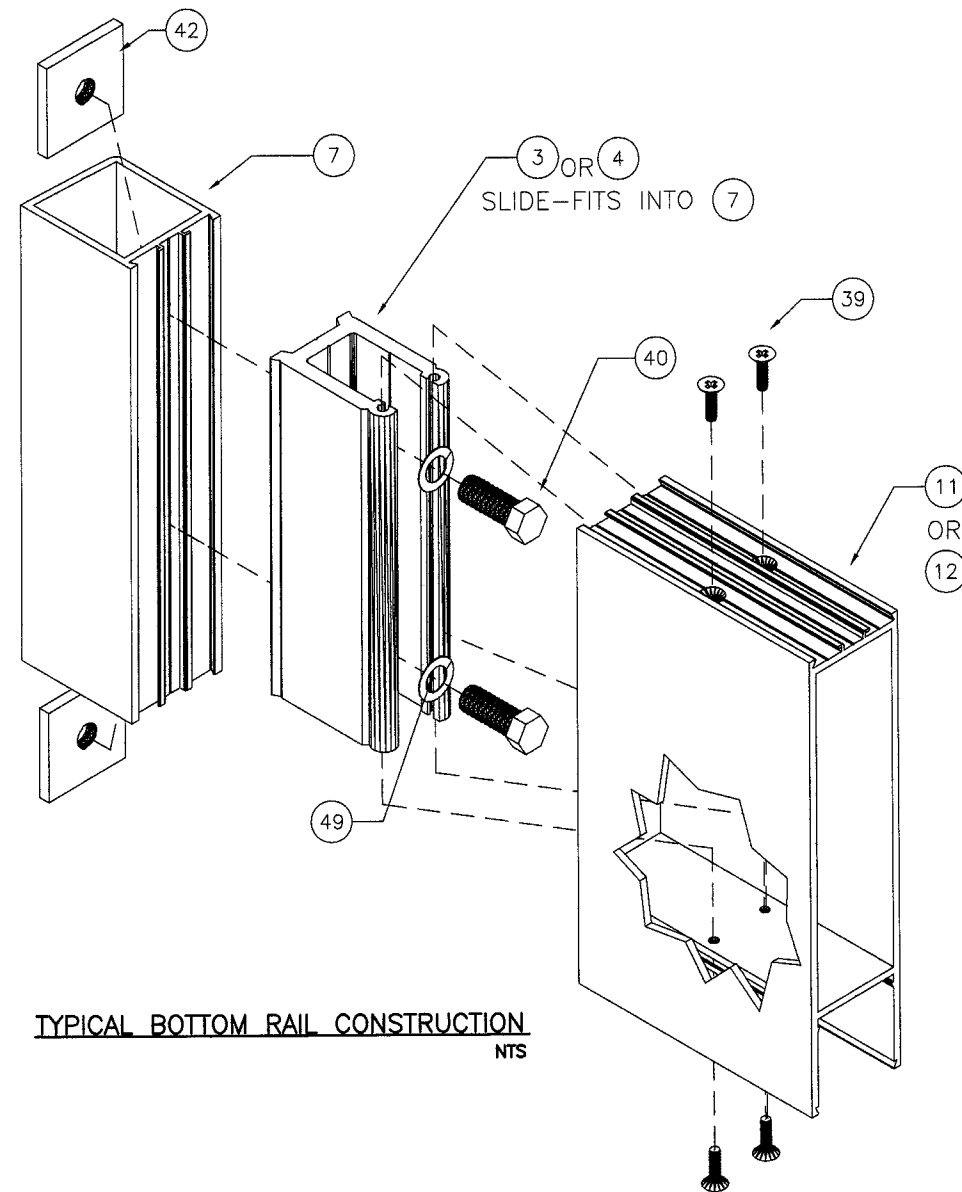
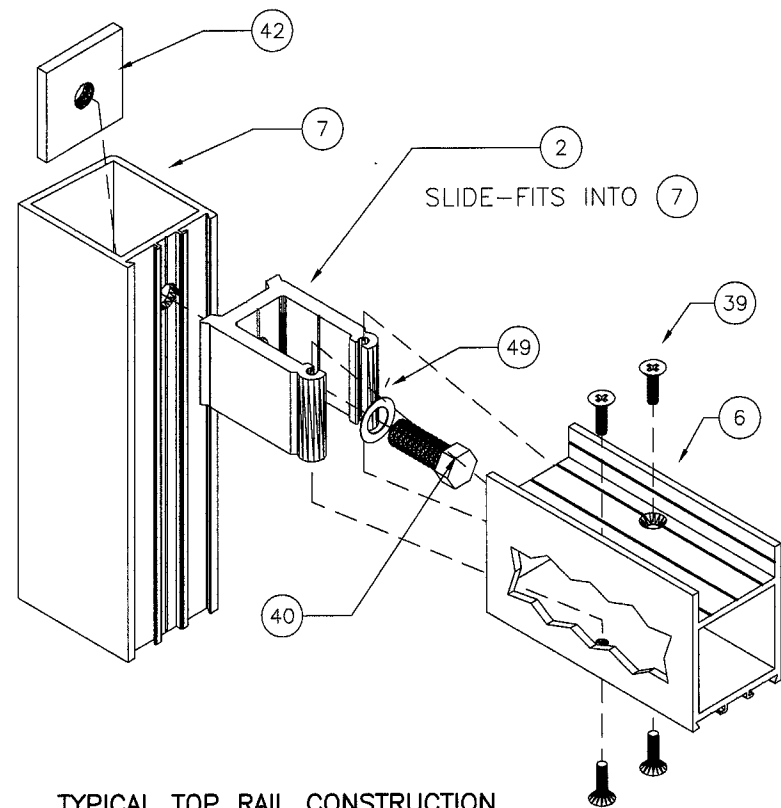
Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35606
PHONE: 800-772-7737 FAX: 800-443-6261

DESCRIPTION

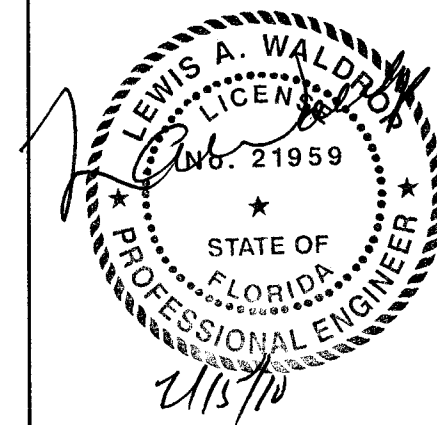
DATE

REV

BY



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



Approved as complying with the
Florida Building Code
Date 07-06-26-06
NOAH MAR. 31, 2010
Miami Dade Product Control
Division
By Isling I. Chawla

DRAWINGS FOR FLORIDA PRODUCT APPROVAL

**PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203**

DOOR AND FRAMING DETAILS

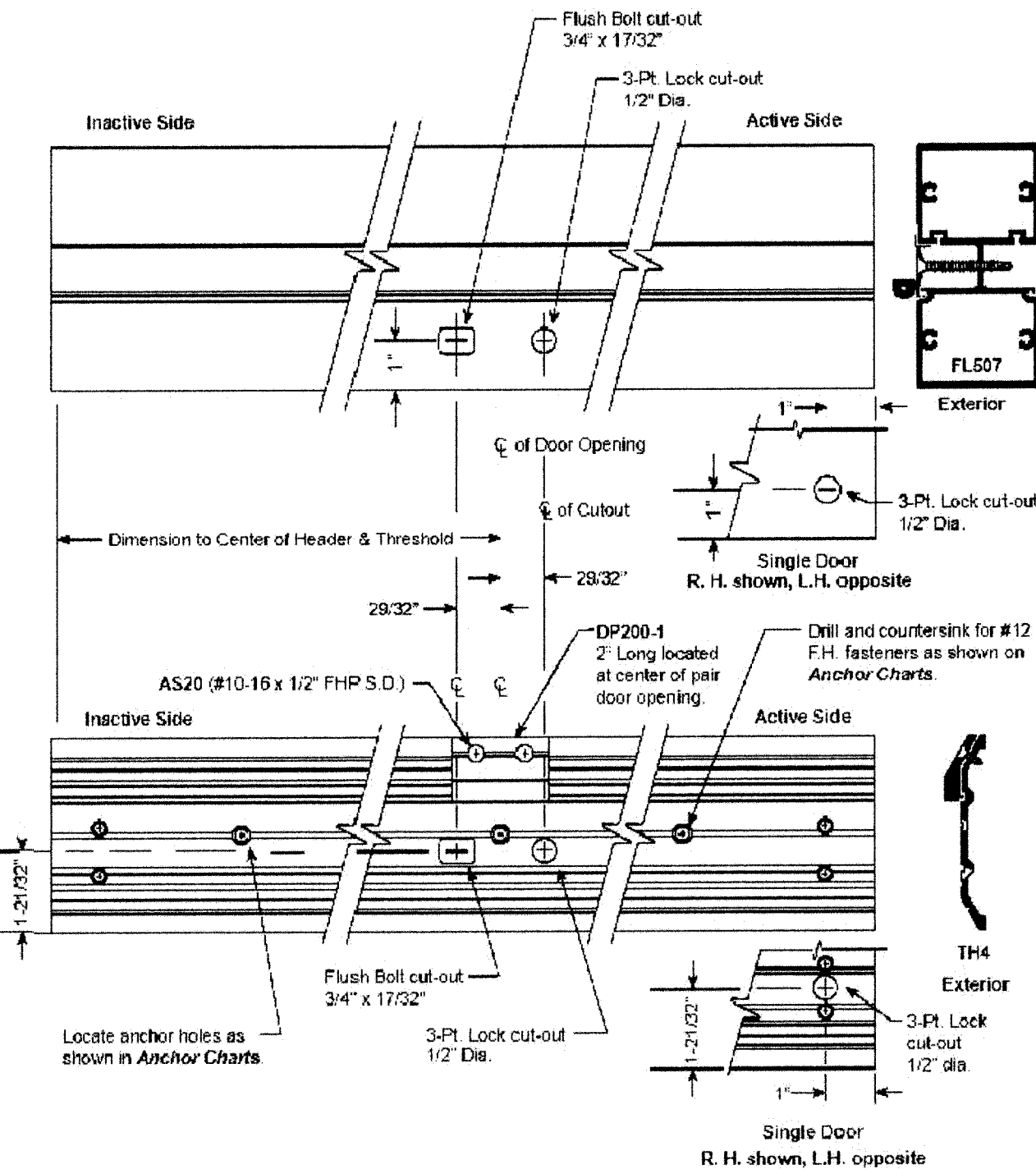
DATE 2/3/2010		
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PROJECT NO.		
DRAWING NO. 281-03		
SHEET 8 OF 18		

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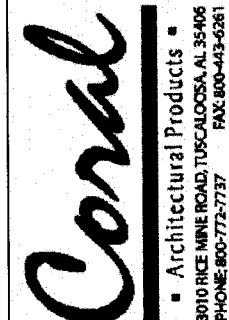
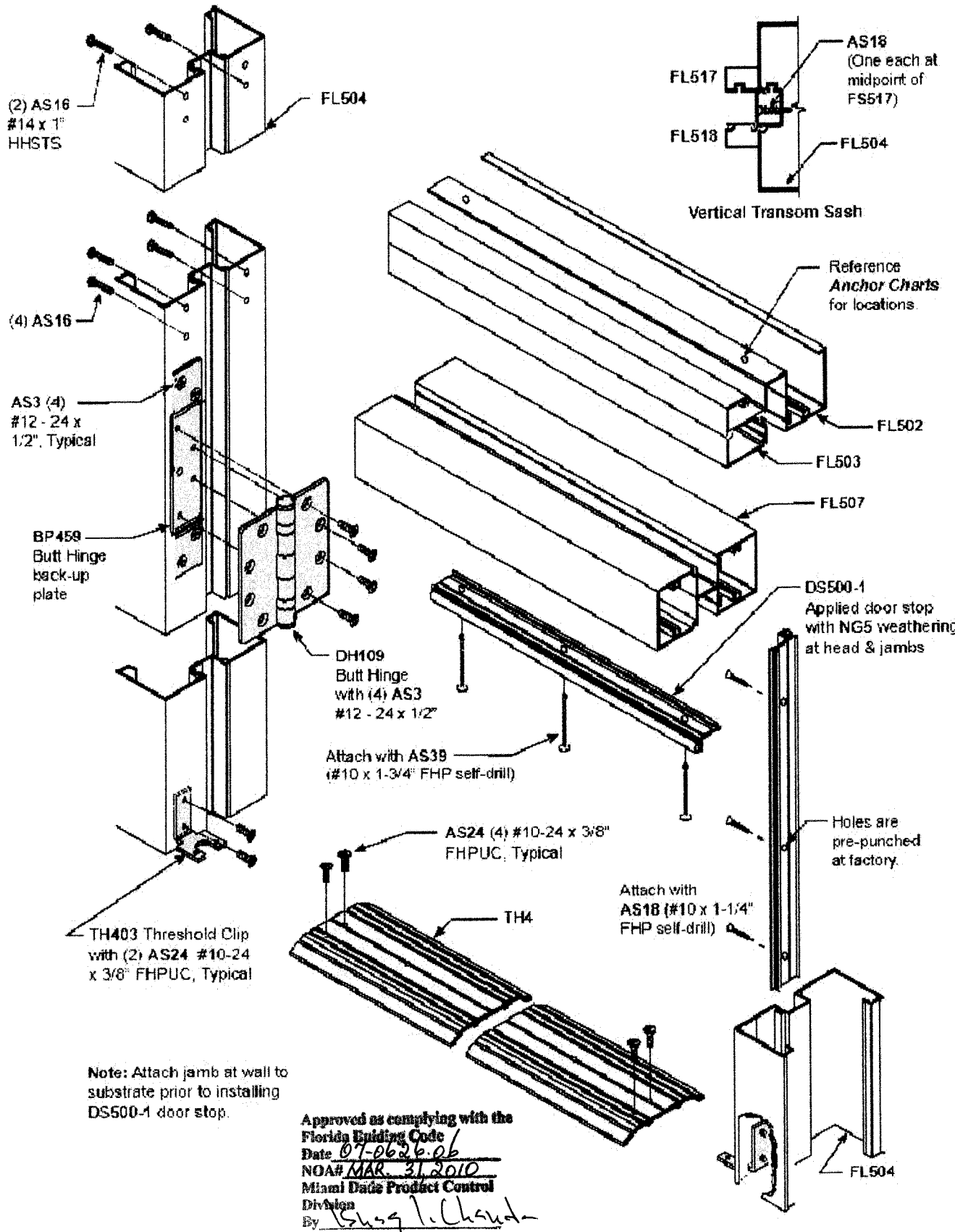
FLUSH BOLT & 3 PT. LOCK STRIKE LOCATIONS

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.

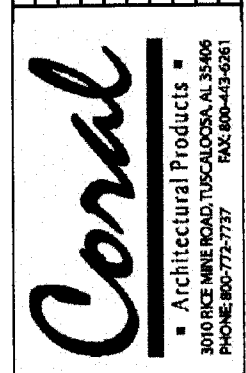


F5 OPEN BACK FRAME AND/OR FT5 TRANSOM For Butt Hung Door for Surface Closer



PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
FRAME CORNER CONSTRUCTION AND
HINGE ATTACHMENT

DATE	2/3/2010
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281-03
SHEET	9 OF 18

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**PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
FRAME CORNER CONSTRUCTION AND
HINGE ATTACHMENT FOR C.O.C.**

DATE 2/3/2010		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. 281-03		
SHEET 10 OF 18		

PERIMETER FASTENER LOCATIONS

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

PERIMETER FASTENER LOCATIONS					
DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.				
	"A"	"B"	"C"	"D"	"E"
84"	45"	51"	76"	82"	88"

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

MAX. DESIGN PRESSURE BASED ON:
+65* / -65 PSF

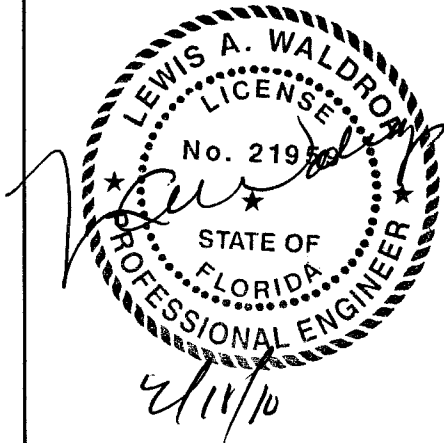
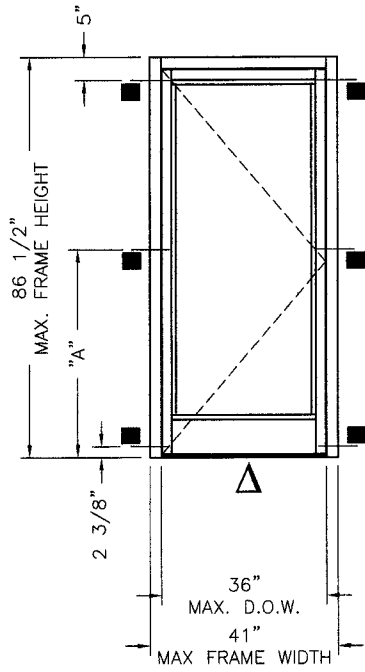
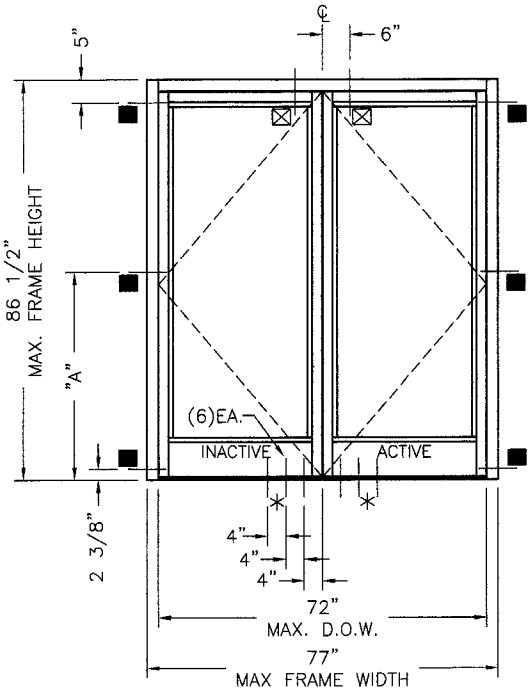
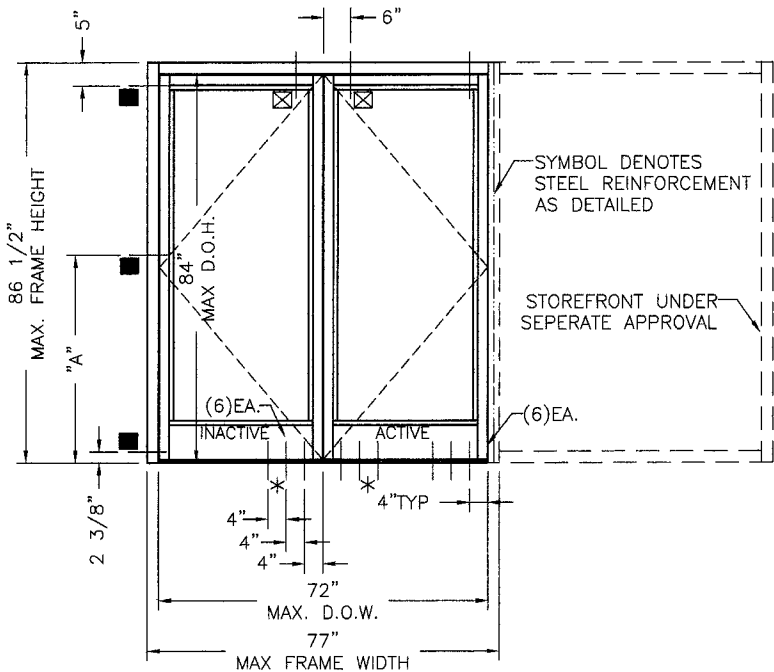
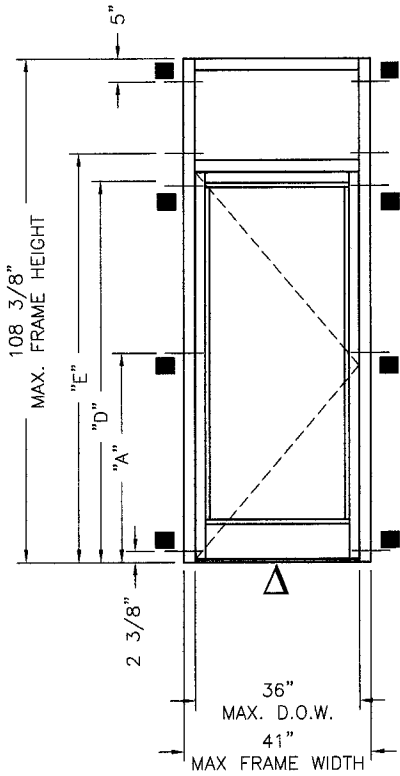
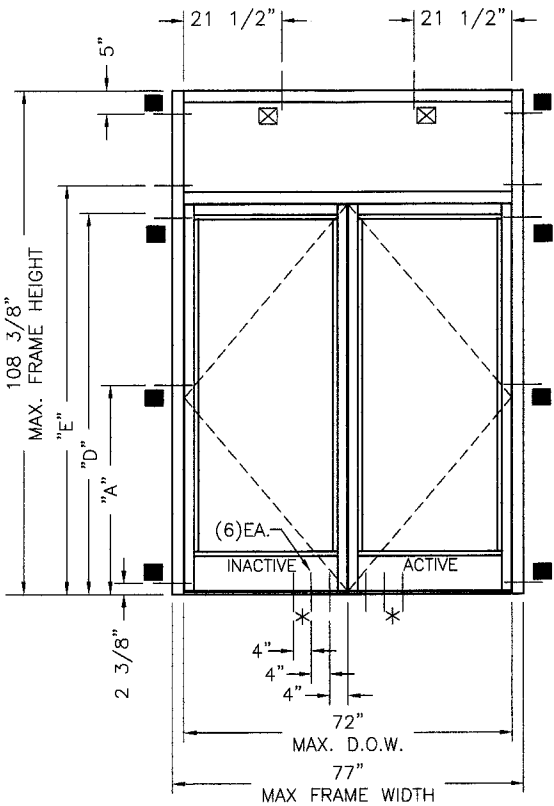
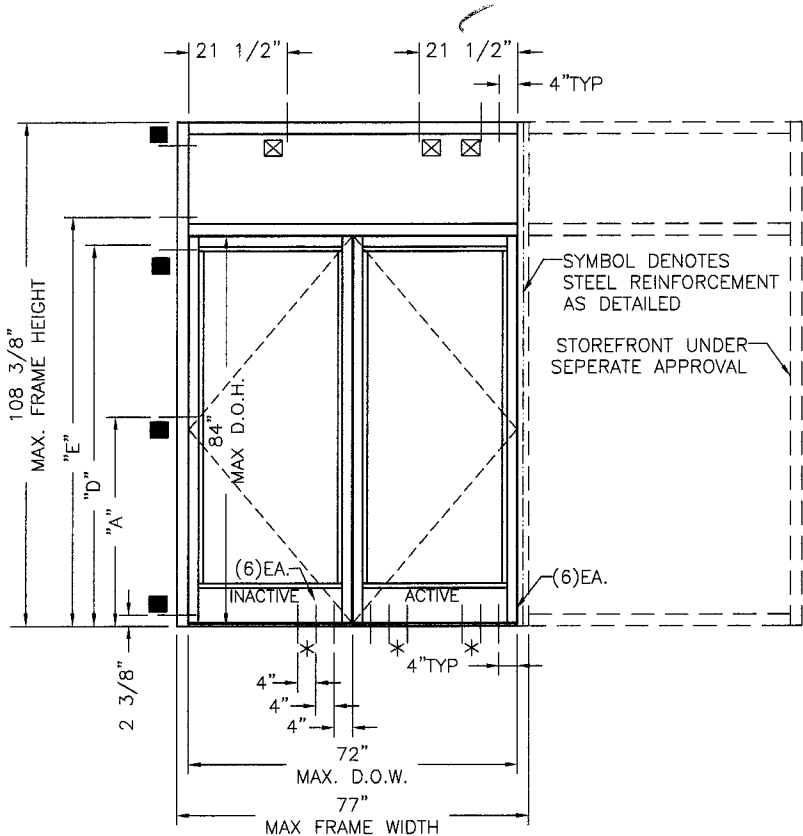
* NOT APPROVED WHERE WATER INFILTRATION
REQUIREMENT IS NEEDED, UNLESS MEET EXEMPTION
REQUIREMENTS PER F.B.C.

** LOWER PRESSURE OF STOREFRONT OR DOORS
WILL GOVERN

NOTES:

Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.

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



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

Approved as complying with the
Florida Building Code
Date 07-06-26-06
NOA# MAR. 31.2010
Miami Dade Product Control
Division
By: [Signature]

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
PERIMETER FASTENER CHARTS

DATE	2/3/2010
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281-03
SHEET	11 OF 18

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3010 RICE MANE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-6261

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
STEEL SUBSTRATE

PERIMETER FASTENER LOCATIONS					
DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.				
	"A"	"B"	"C"	"D"	"E"
84"	45"	51"	76"	82"	88"

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

MAX. DESIGN PRESSURE BASED ON:
+65*/-65 PSF

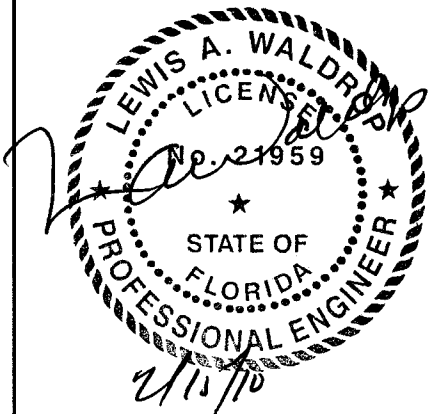
* NOT APPROVED WHERE WATER INFILTRATION
REQUIREMENT IS NEEDED, UNLESS MEET EXEMPTION
REQUIREMENTS PER F.B.C.
** LOWER PRESSURE OF STOREFRONT OR DOORS
WILL GOVERN

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706-778-3784

Approved as complying with the
Florida Building Code
Date: 07-0626-06
NOA# MAR. 31. 2012
Miami Date Product Control
By: Shag I. Chauda

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
PERIMETER FASTENER CHARTS

DATE	2/3/2010
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281-03
SHEET	12 OF 18

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
WOOD SUBSTRATE

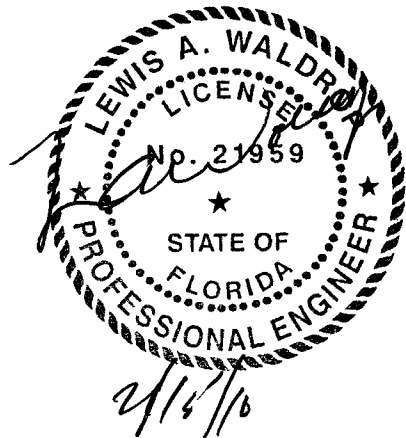
PERIMETER FASTENER LOCATIONS									
DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.								
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"
84"	45"	48"	51"	78"	80"	82"	89"	91"	93"

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 MEMEBER MIN. EDGE DISTANCE 1-1/2", MIN. SPACING IS 2", WOOD STRUCTURE IS MIN. #2 SYP	

MAX. DESIGN PRESSURE BASED ON:
+65/-65 PSF

* NOT APPROVED WHERE WATER INFILTRATION
REQUIREMENT IS NEEDED, UNLESS MEET EXEMPTION
REQUIREMENTS PER F.B.C.
** LOWER PRESSURE OF STOREFRONT OR DOORS
WILL GOVERN

NOTES:
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NOT REQUIRED AT THRESHOLD.
— = EACH HORIZONTAL LINE
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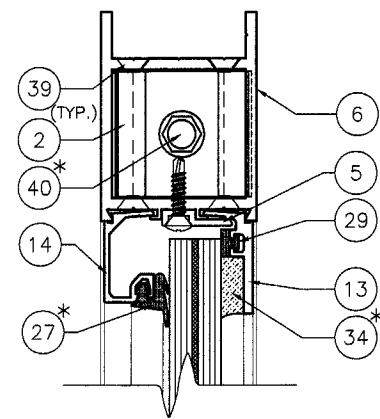
Approved as complying with the
Florida Building Code
Date 07-06-2010
NOAH MAR 31 2010
Miami Dade Product Control
Division
By [Signature]

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
PERIMETER FASTENER CHARTS

DATE	2/3/2010
DRAWN	PCH
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APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281-03
SHEET	13 OF 18

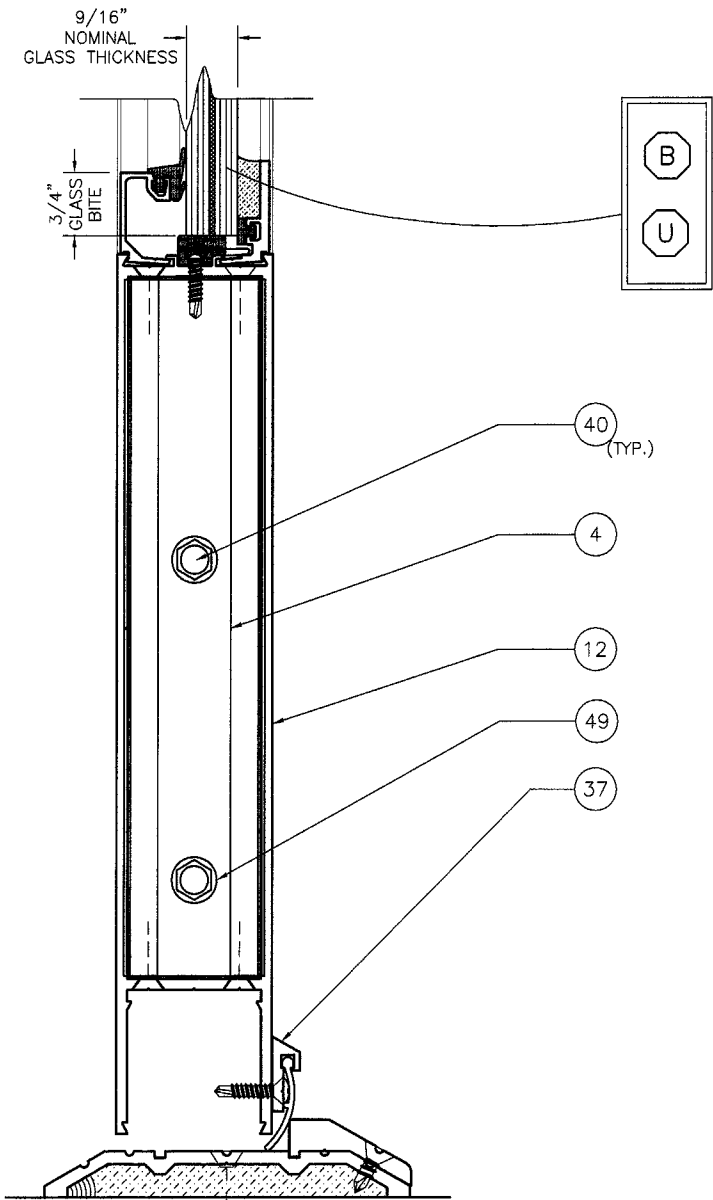
EXTERIOR



GLAZING DETAIL – TOP RAIL

GLAZING SCHEDULE

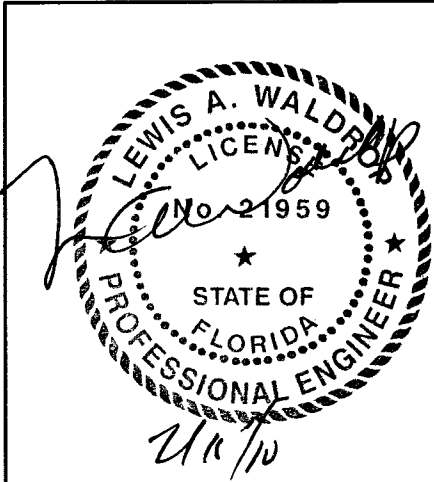
GLASS MARK SYMBOL	GLASS TYPE	MAXIMUM DLO SIZE
	9/16" LAMINATED GLASS 1/4" H.S. OUTBOARD – .090 SAFLEX PVB SOLUTIA INTERLAYER – 1/4" H.S. INBOARD	29-9/16" x 71-7/16"
	9/16" LAMINATED GLASS 1/4" H.S. OUTBOARD – .120 CYTEC UVEKOL® BY UCB INTERLAYER – 1/4" H.S. INBOARD	



GLAZING DETAIL – BOTTOM RAIL

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

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Date 07-06-26-06
NOA# MAR. 31. 2010
Miami Dade Product Control
Division
By Shag I. Lhano

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203
GLAZING SCHEDULE

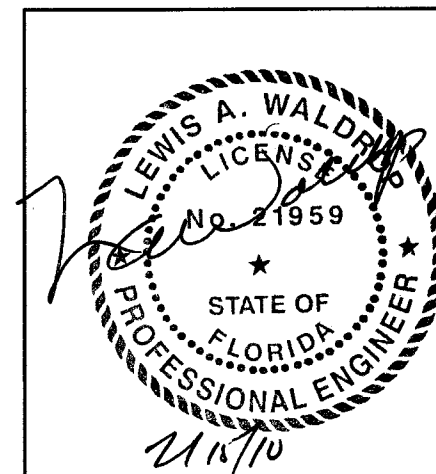
DATE			2/3/2010		
DRAWN PCH		CHECKED JDW		APPROVED JDW	
PROJECT NO.					
DRAWING NO.					
281-03					
SHEET					
14 OF 18					

BILL OF MATERIALS

ITEM NO.	PART #	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	BP213	STEEL BACK-UP PLATE/FLUSH BOLT GUIDE	1.475 X 3.282 X 1.438 X 0.180	ZINC PLATED STEEL	VARIES	USED TOP AND BOTTOM (8)
2	CB101	DOOR – CORNER BLOCK	1.350 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 1.350 LONG
3	CB108	DOOR – CORNER BLOCK	5.553 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 5.553 LONG
4	CB109	DOOR – CORNER BLOCK	7.513 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 7.513 LONG
5	CS501-1	GLASS STOP CLIP	0.178 X 0.769 X 0.068	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	USED WITH (13)
6	D101	DOOR TOP RAIL	2.250 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
7	D103	DOOR – HINGE STILE	2.125 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
8	D104	DOOR – INACTIVE MEETING STILE	2.125 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
9	D105	DOOR – ACTIVE MEETING STILE	1.989 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
10	D106	DOOR – ADJUSTABLE ASTRAGAL	0.331 X 1.562 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
11	D108	DOOR – BOTTOM RAIL	7.500 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
12	D109	DOOR – BOTTOM RAIL	9.500 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
13	DG501	DOOR – GLASS STOP – ATTACHED	1.000 X 0.539 X 0.100	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
14	DG502	DOOR – GLASS STOP – SNAP-IN	0.876 X 0.539 X 0.065	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	DP200-1	PANIC DOOR STOP AT PAIRS	0.402 X 1.323 X 0.188	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	DS202-1	DOOR STOP – OFFSET ARM COVER	1.188 X 2.000 X 0.090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	DS500-1	DOOR STOP	0.648 X 1.260 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	FL501	HEAD OR WALL JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
19	FL504	DOOR JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
20	FL507	DOOR HEADER	2.500 X 4.980 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
21	FL512	DOOR HEADER	2.000 X 5.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
22	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 (19) AT WALL
23	FL517	TRANSOM SASH	1.000 X 1.918 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
24	FL518	TRANSOM GLASS STOP	1.000 X 0.767 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
25	TH4	THRESHOLD	0.500 X 4.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
26	TH403	THRESHOLD CLIP	1.900 X 1.909 X 0.126	STEEL	VARIES	

(CONTINUED ON SHEET 16)

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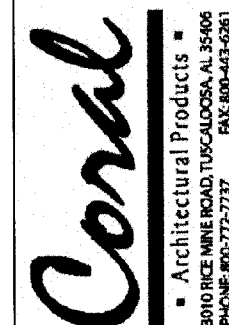


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Date 07-0626-06
NOAA# MAR. 31, 2010
Miami Dade Product Control
Division
By Shang L. Chaud

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201, 202, 203

BILL OF MATERIALS

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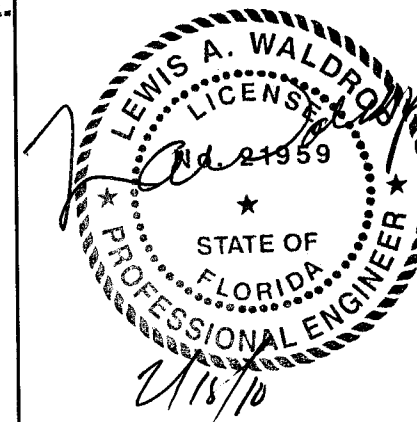
BILL OF MATERIALS						
ITEM NO.	PART #	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
27	NG1	EXTERIOR GLAZING GASKET	0.188 SPACE	EPDM	VARIES	
28	NG5	BULB GASKET FOR (16) AND (17)	0.260 X SPACE	EPDM	VARIES	
29	NG13	SPACER GASKET FOR (13)	0.201 X 0.288	EPDM	VARIES	
30	NG14	INTERIOR SPACER GASKET	0.250 X 0.188	EPDM	VARIES	
31	SB11	DOOR SETTING/EDGE BLOCK	0.319 X 0.523 X 4.000	EPDM	VARIES	
32	SB13	SETTING BLOCK AT SILL AND HORIZONTAL	0.800 X 0.688 X 4.000	EPDM	VARIES	2 PER LITE (EXTERIOR AND INTERIOR)
33	795	SILICONE – PERIMETER SEALANT	FILL SPACE	SILICONE	DOW CORNING	USED AT PERIMETER
34	995	SILICONE – GLASS TO METAL & INTERNAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL AND INTERIOR
35	SM5601	JOINT SEALANT TAPE	0.500 X 0.125 X VARIES	BUTYL	SCHNEE–MOOREHEAD	
36	VG1	WEATHERING FOR (37)	1.142 X 0.120 X 0.060	SOFT VINYL	CORAL INDUSTRIES, INC.	CUT TO D.O.W. (LESS CLEARANCE)
37	WS100	DOOR SWEEP	0.812 X 0.302 X 0.125	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT TO D.O.W. (LESS CLEARANCE)
38	WP106	WEATHERING – (10) ADJUSTABLE ASTRAGAL	VARIABLE SPACE	WOOL PILE	VARIES	DOUBLE ROW – FULL LENGTH OF (10)
39	AS1	FASTENER	#10 X 3/4" FHP	STEEL	VARIES	
40	AS4	CAP BOLT	3/8"–16 X 3/4" HWH	STEEL	VARIES	
41	AS7	FASTENER	#8 X 3/4" POH S.D.	STEEL	VARIES	
42	AS13	SQUARE NUT	1.475 X 1.475 X 0.180	ZINC PLATED STEEL	CORAL INDUSTRIES, INC.	
43	AS16	FASTENER	#14 X 1" HHSTS	STEEL	VARIES	TYPICAL SPLINE SCREW– VERT./HORIZ. JOINTS
44	AS18	FASTENER	#10 X 1–1/4" FHP	S. STEEL	VARIES	ATTACH (17) TO (19) /ALSO (23) TO (19)
45	AS20	FASTENER	#10 –16 X 1/2" FHP	STEEL	VARIES	ATTACH (15) TO (25)
46	AS24	FASTENER	#10 –24 X 3/8" FHPUC	STEEL	VARIES	
47	AS25	FASTENER	#12 X 3/4" HWH #3 S.D	STEEL	VARIES	ATTACH (24) TO (20)
48	AS39	FASTENER	#10 X 1–3/4" FHP S.D.	S. STEEL	VARIES	ATTACH (17) TO (20) /ALSO (16) TO (21)
49	AS41	3/8" LOCK WASHER	0.377 X 0.141 X 1.094	STEEL	VARIES	
50	SP100	ADJUSTABLE ASTRAGAL SPRING	1.055 X 0.485 X 0.055	S. STEEL	CORAL INDUSTRIES	

 2/15/10	Approved as complying with the Florida Building Code Date <u>07-06-26-06</u> NOA# <u>MAR-31-2010</u> Miami Dade Product Control Division By <u>L. Chandra</u>	PRODUCT APPROVAL SERIES 281 OUTDOOR PROTOCOL BILL OF MATERIALS			
	DRAWINGS FOR DADE COUNTY PRODUCT APPROVAL				
	DATE <u>2/3/2010</u> <table border="1"> <tr> <td>DRAWN PCH</td> <td>CHECKED JDW</td> <td>APPROVED JDW</td> </tr> </table> PROJECT NO.		DRAWN PCH	CHECKED JDW	APPROVED JDW
	DRAWN PCH		CHECKED JDW	APPROVED JDW	
DRAWING NO. 281-03 SHEET 16 OF 18					

BUTT HINGE HARDWARE SCHEDULES

DADE COUNTY PRODUCT APPROVAL					
IMPACT	X				
		B.H.	C.G.H.	O.P.	
		X			
HARDWARE DESCRIPTION				PART NUMBER	MANUFACTURER
BUTT HINGE 4 1/2" X 4"				DH109	HAGER
CONCEALED VERTICAL ROD PANIC				2086	JACKSON
CONCEALED OVERHEAD CLOSER				CL205 H.D. W/ O.A. ASS'Y	JACKSON
CYLINDER (ACTIVE)				DH078	VARIES
THUMB TURN (ACTIVE) OPTIONAL				DH079	VARIES
LOCK (ACTIVE)				DH072 (3-PT. LOCK)	VARIES
FLUSH BOLT (INACTIVE) TOP/BTM 84" DOOR				DH176	VARIES
PANIC STOP				DP200-2	CORAL
THRESHOLD				TH4	CORAL
DOOR BOTTOM SWEEP				WS136	CORAL

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DRAWINGS FOR
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PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
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HARDWARE SCHEDULES

Coral

▪ Architectural Products ▪
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