

PRODUCT APPROVAL DRAWINGS SERIES 281 IMPACT-RESISTANT DOORS WITH MULTIPLE GLAZING INFILLS & HARDWARE

INDEX TO DRAWINGS

SHEET 1: INDEX TO DRAWINGS AND NOTES
SHEET 2: TYPICAL ELEVATIONS FOR SERIES 281 IMPACT DOORS IN FL500 FRAMING WITH A TRANSOM
SHEET 3: TYPICAL ELEVATIONS FOR SERIES 281 IMPACT DOORS IN FL500 FRAMING WITHOUT A TRANSOM
SHEET 4-7: DOOR AND FRAMING DETAILS
SHEET 8: GLAZING SCHEDULE
SHEET 9: BILL OF MATERIALS
SHEET 10: PERIMETER FASTENER LOCATIONS - FL500 DOORFRAME - CONCRETE SUBSTRATE
SHEET 11: PERIMETER FASTENER LOCATIONS - FL500 DOORFRAME - STEEL SUBSTRATE
SHEET 12: PERIMETER FASTENER LOCATIONS - FL500 DOORFRAME - WOOD SUBSTRATE
SHEET 13: HARDWARE SCHEDULES
SHEET 14: HARDWARE LOCATIONS

GENERAL NOTES:

TEST STANDARDS
AIR-TAS202
STATIC-TAS202
IMPACT-TAS201
CYCLIC-TAS203

DESIGN PRESSURE
+/-65 PSF

WATER INFILTRATION: NOT TESTED FOR WATER

AIR INFILTRATION: 6.24 PSF

TYPICAL GLASS BITE IS 3/4" UNLESS OTHERWISE NOTED

ALL ALUMINUM EXTRUSIONS SHALL BE MADE FROM 6063-T6.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH FLORIDA BUILDING CODE ADDITION 2004 INCLUDING HIGH VELOCITY HURRICAN ZONES.

MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREW, THAT COME IN CONTACT WITH DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4

FL500 AND FL550 FRAMING ARE UNDER SEPERATE SUBMISSIONS

ABBREVIATIONS:

D.L.O. = DAY LIGHT OPENING
D.O.H. = DOOR OPENING HEIGHT
D.O.W. = DOOR OPENING WIDTH
C.O.C. = CONCEALED OVERHEAD CLOSER
C.V.R. = CONCEALED VERTICAL ROD
TYP. = TYPICAL
S.A.C.= SURFACE APPLIED CLOSER

DEFINITIONS: DICTIONARY OF ARCHITECTURE & CONSTRUCTION-2ND EDITION

- 1. SIDE LIGHT - A FRAMED AREA OF FIXED GLASS ALONGSIDE A DOOR
- 2. TRANSOM FRAME - A DOORFRAME WITH A TRANSOM BAR AND GLASS ABOVE THE DOOR

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

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

Jan Waldrop
3/31/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT
PROTOCOLS: PA201/202/203
INDEX OF DRAWINGS AND NOTES

DATE	1/8/2008
DRAWN JAS	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	281_03
SHEET	1 OF 14



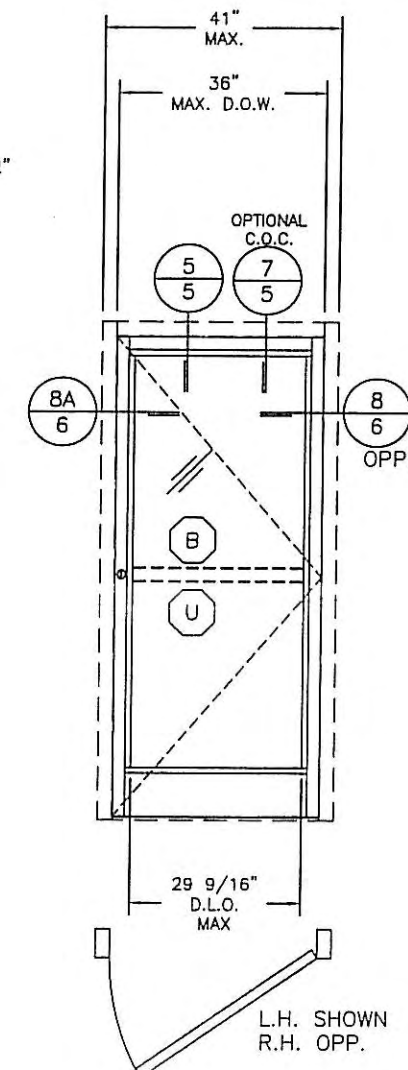
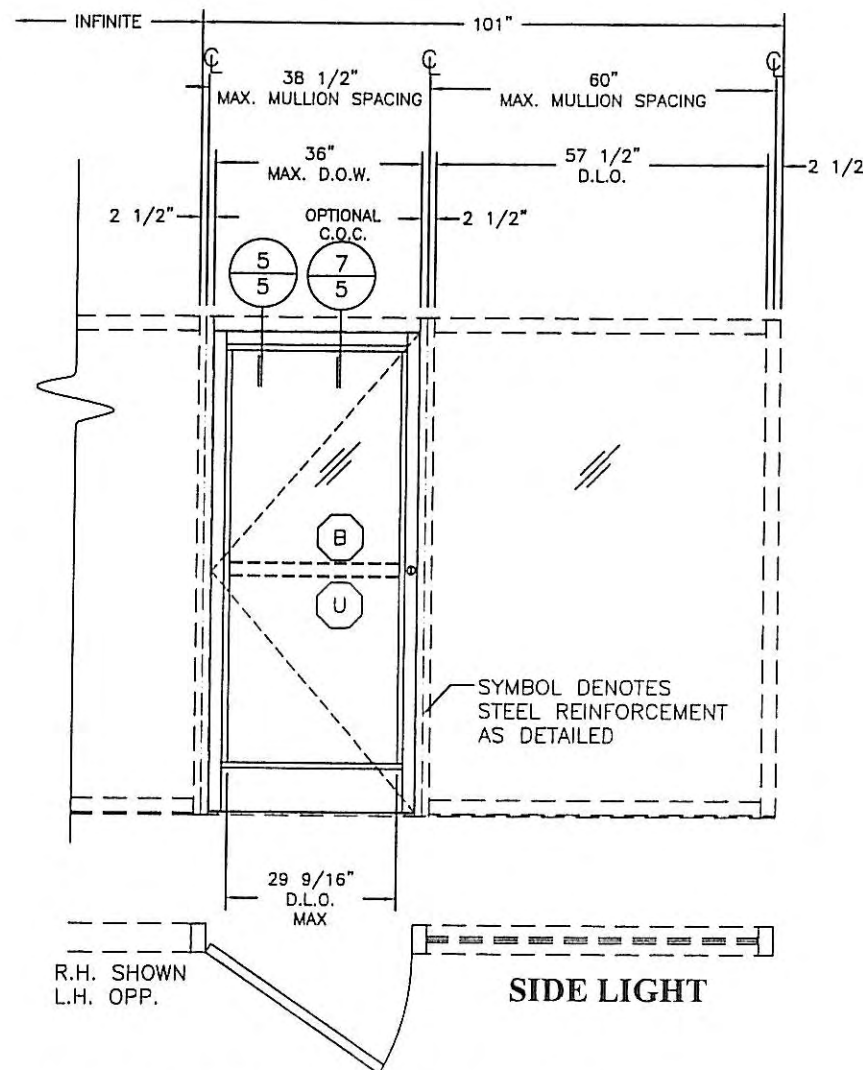
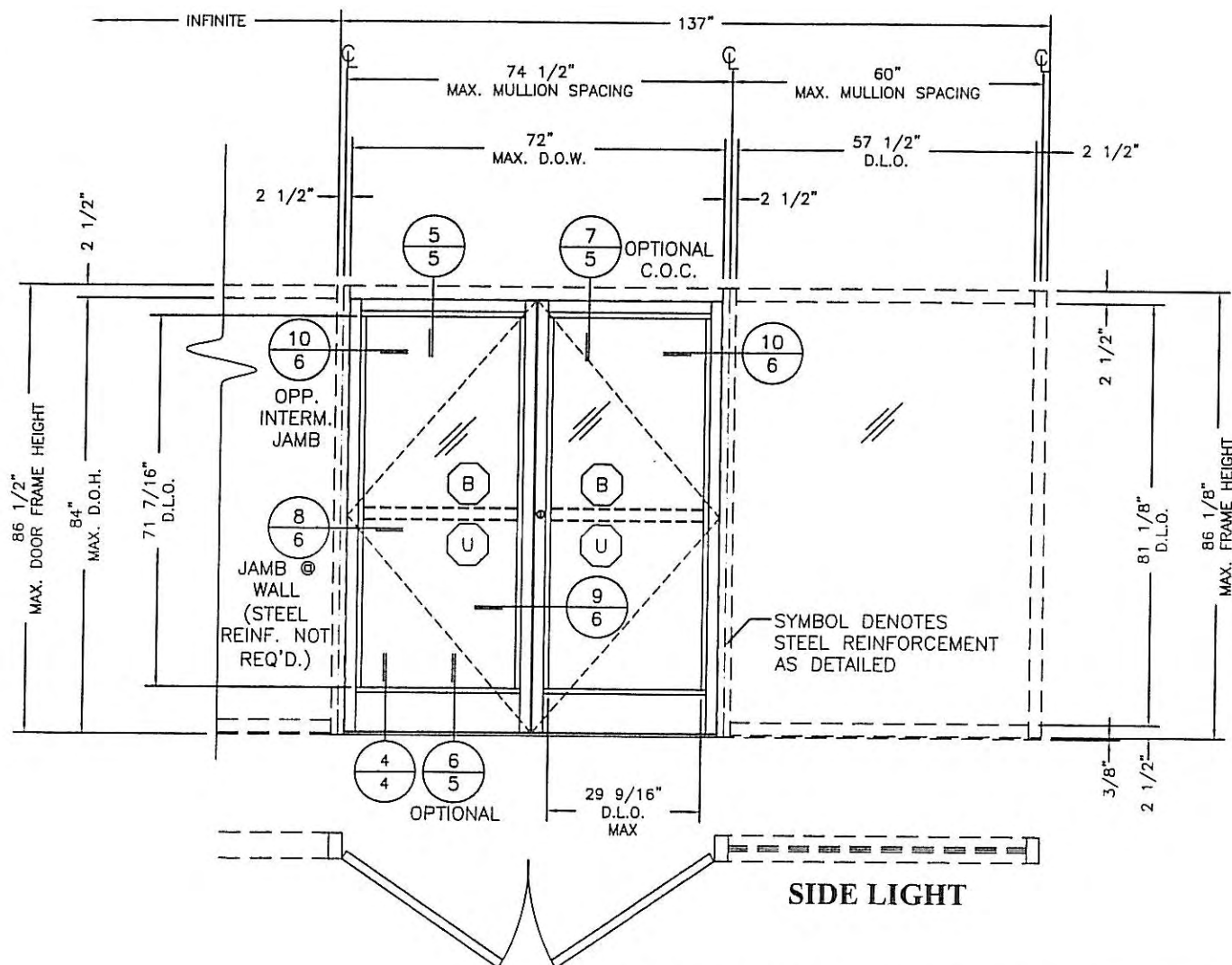
3010 RICE MINE ROAD, TUSCALOOSA, AL 35405
PHONE: 800-772-7737 FAX: 800-443-6261

DESCRIPTION

DATE

REV

BY



TYPICAL ELEVATIONS FOR SERIES 281 IMPACT DOORS INSTALLED IN FL500 FRAMING WITHOUT TRANSOM

(SEE SHEET 13 FOR HARDWARE OPTIONS)

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

DESIGN PRESSURE +65/-65 PSF.

NOTES:

1. SEE SHEETS 10-12 FOR DOOR FRAME PERIMETER FASTENER LOCATIONS.
2. DOOR GLASS SIZE= D.L.O. + 1-1/2".
3. SEE FL500 PRODUCT APPROVALS FOR OTHER FRAME AND GLAZING OPTIONS.
4. DOOR GLASS STOPS DG501 AND DG502 MAY BE REVERSED.
5. THESE DOORS WERE NOT TESTED FOR WATER INFILTRATION.
6. FL500 FRAMING DESIGN PRESSURE IS LIMITED TO +/-65 PSF WITH SERIES 281 DOORS

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

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

Lewis A. Waldrop
3/3/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

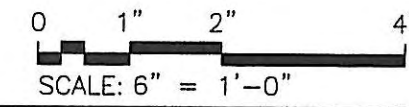
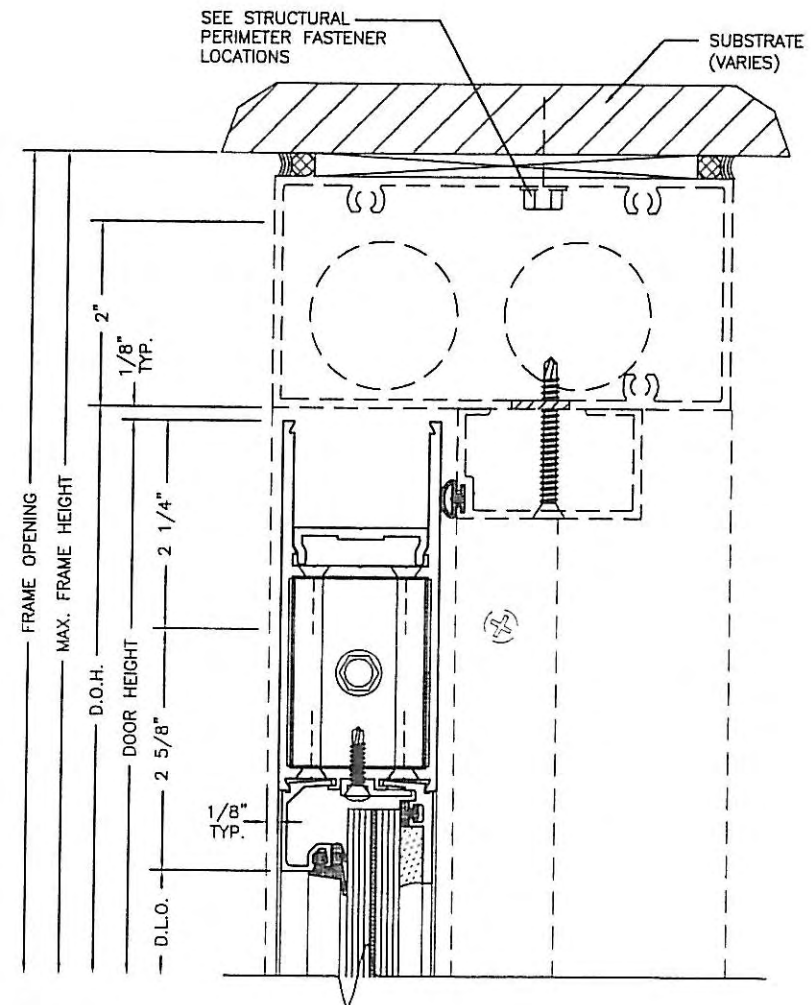
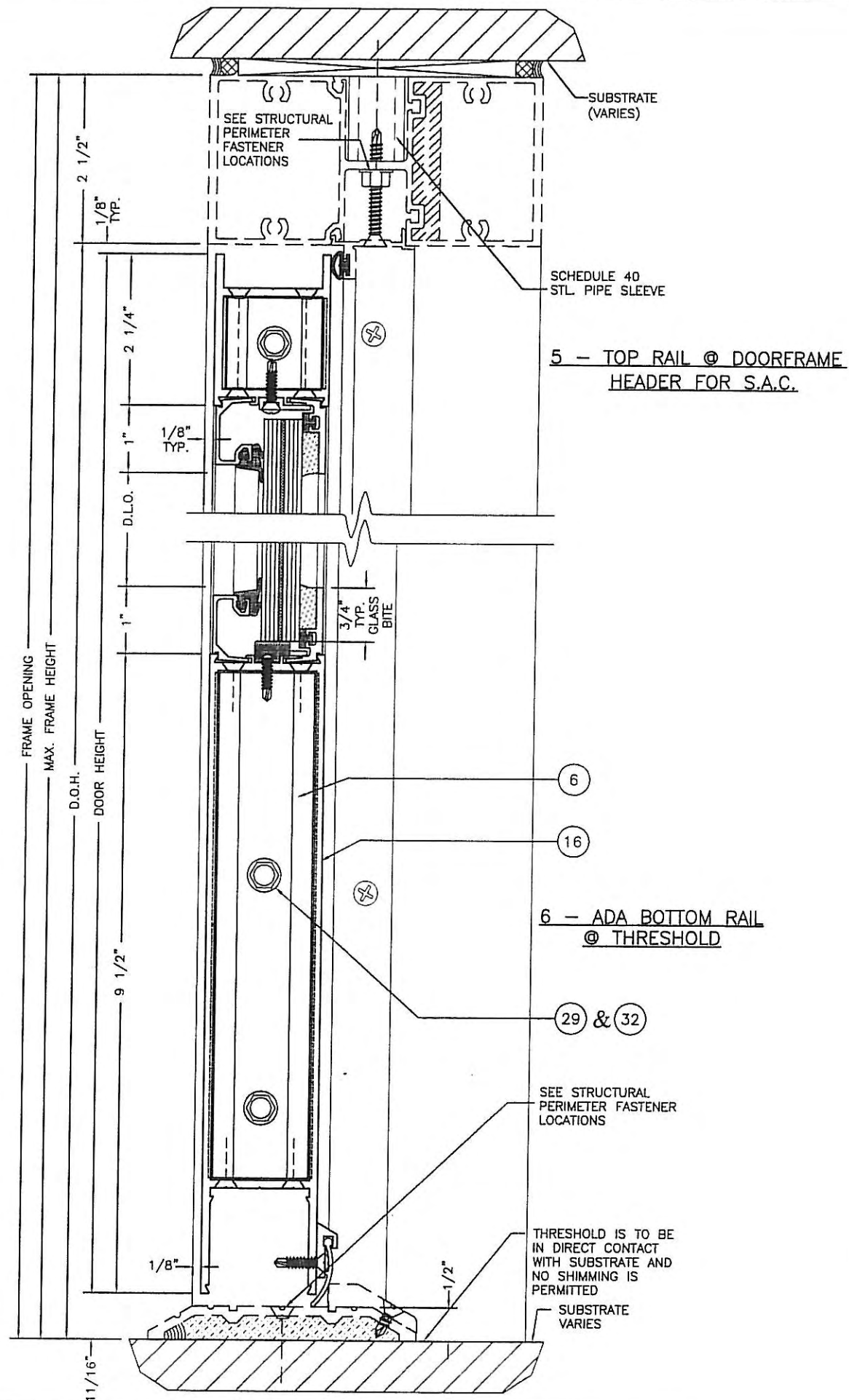
PRODUCT APPROVAL DRAWINGS
SERIES 281 OUT SWING DOORS-IMPACT
PROTOCOLS: PA201/202/203
FRAMING AND DOOR ELEVATIONS

DATE	1/8/2008		
DRAWN	CHECKED	APPROVED	
JAS	JDW	JDW	
PROJECT NO.			
DRAWING NO.			
281_03			
SHEET 3 OF 14			

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

DESCRIPTION

REV BY DATE



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

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

Lewis A. Waldrop
3/31/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

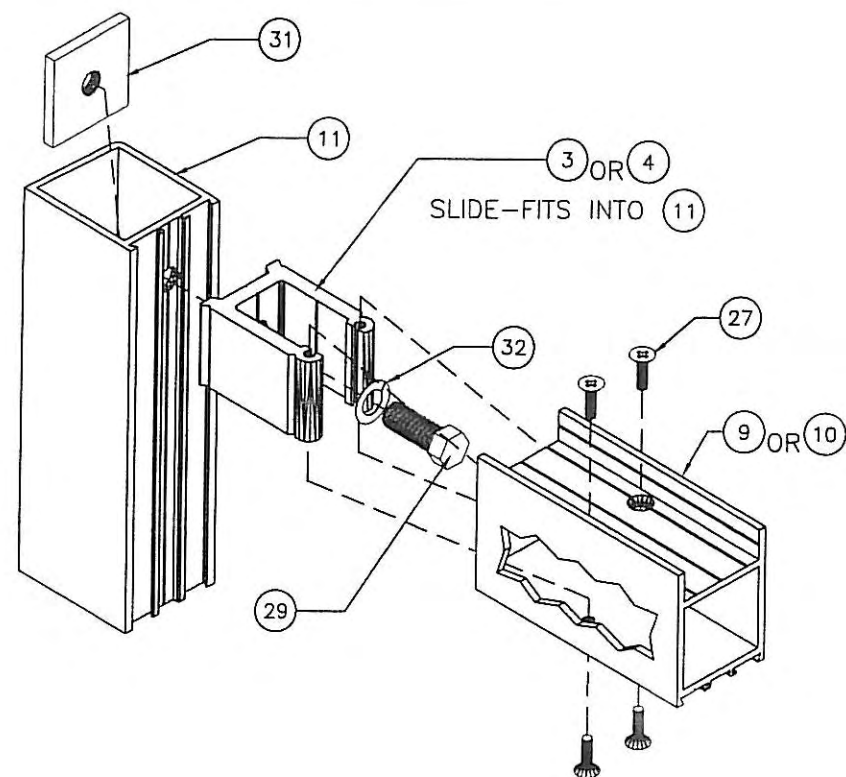
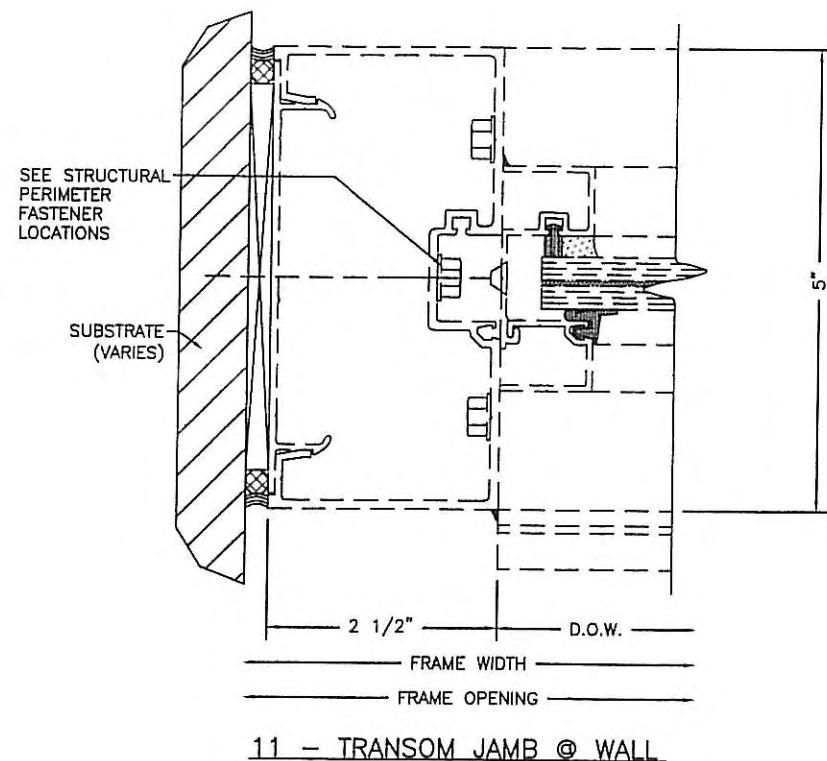
PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT
PROTOCOLS: PA201/202/203
DOOR AND FRAMING DETAILS

DATE	1/8/2008
DRAWN	JAS
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281_03
SHEET	5 OF 14

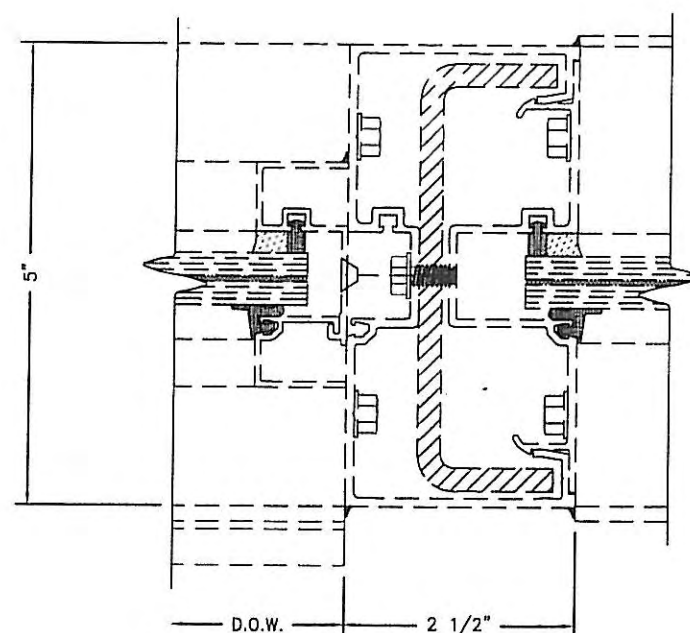
Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-5261

DESCRIPTION

REV BY DATE

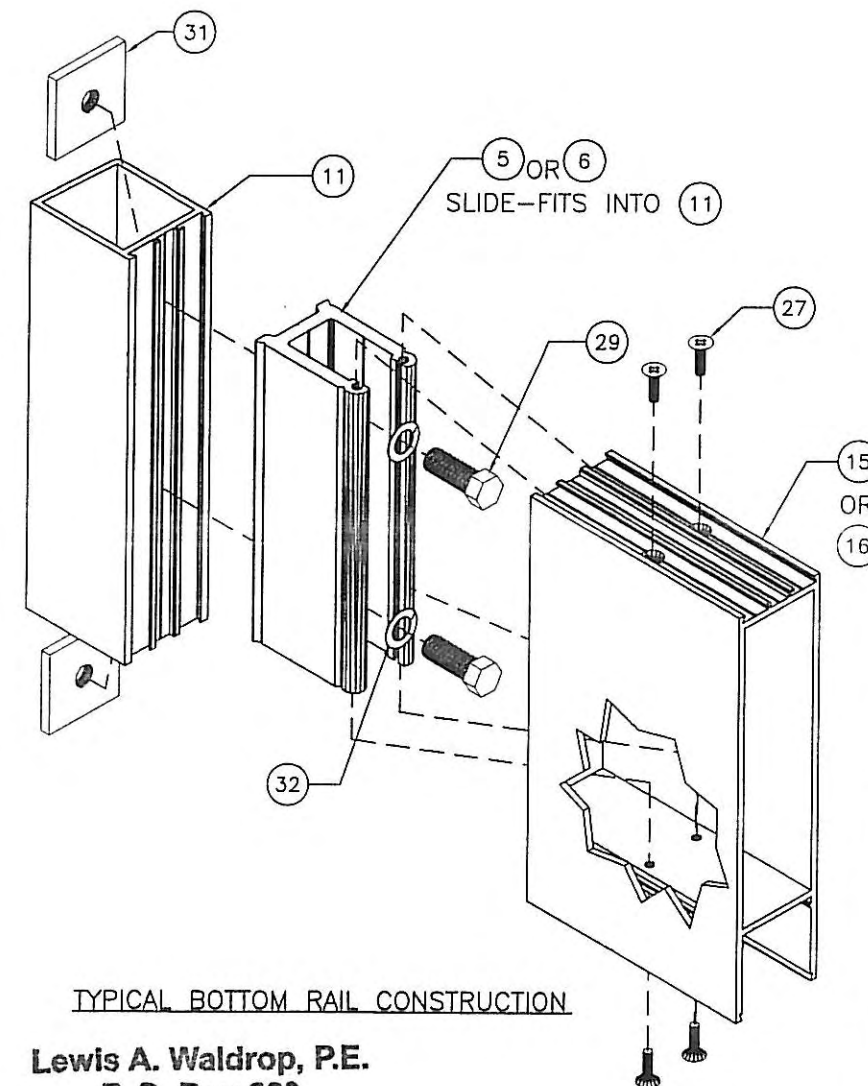


TYPICAL TOP RAIL CONSTRUCTION
NOTE: DOOR CORNERS ARE NOT WELDED



0 1" 2" 4"

SCALE: 6" = 1'-0"



TYPICAL BOTTOM RAIL CONSTRUCTION

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

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

Lewis A. Waldrop
3/3/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

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

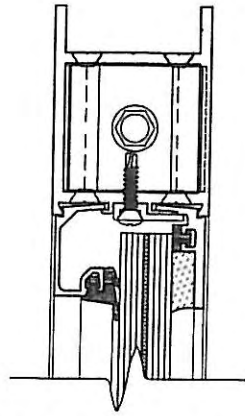
DATE	1/8/2008
DRAWN	JAS
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281_03
SHEET	7 OF 14

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35006
205-966-4444 FAX 205-966-4445

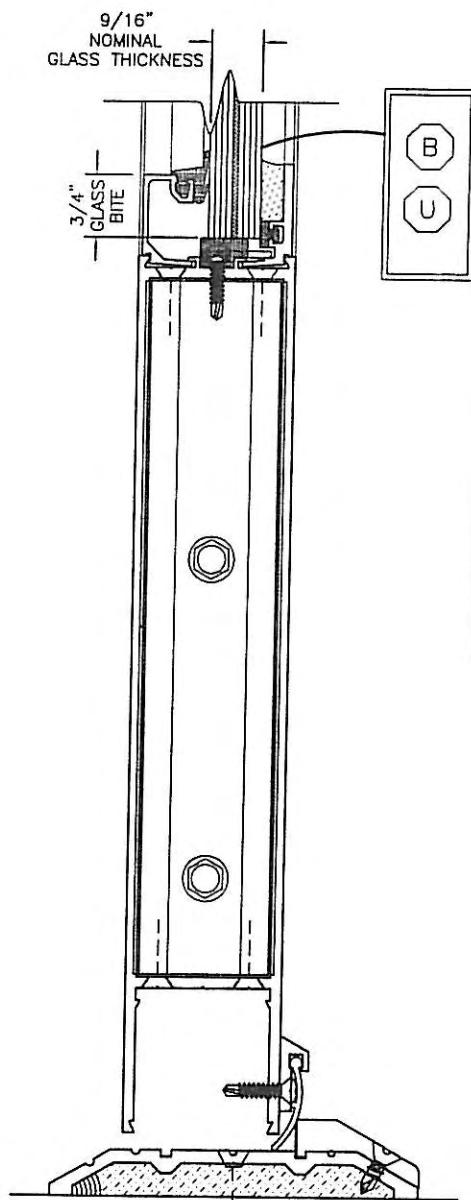
DESCRIPTION

DATE

REV BY



GLAZING DETAIL - TOP RAIL



GLAZING DETAIL - BOTTOM RAIL

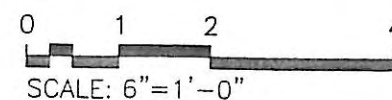
GLAZING SCHEDULE

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

MAXIMUM DESIGN PRESSURE +/-65 PSF

GLASS MARK SYMBOL	GLASS TYPE	MANUFACTURER	OPTIONS AND LIMITATIONS			
			MAXIMUM DLO (INCHES)	MAXIMUM SQUARE FEET	MAX. D.O. (INCHES) PAIR	MAX D.O. (INCHES) SINGLE
B	1/4" H.S. - .090 SAFLEX PVB SOLUTIA INTERLAYER - 1/4" H.S. N.O.A. 03-0105.02	VARIES	29 9/16 X 71 7/16	14.7	72 X 84	36 X 84
U	1/4" H.S. - .120 TYPE "S" UVEKOL INTERLAYER - 1/4" H.S. N.O.A. 03-1117.05	CORAL INDUSTRIES, INC.	29 9/16 X 71 7/16	14.7	72 X 84	36 X 84

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



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

Lewis A. Waldrop
3/3/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT
PROTOCOLS: PA201/202/203

GLAZING SCHEDULE

DATE	1/8/2008
DRAWN JAS	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	281_03
SHEET	8 OF 14

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

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	BP213	STEEL BACK-UP PLATE/FLUSH BOLT GUIDE	1.475 X 3.282X 3.062 X 0.180	ZINC PLATED STEEL	VARIES	USED TOP & BOTTOM (9)
2	BP450	STEEL BACK-UP PLATE FOR HINGE ATTACHMENT	8.000 X 1.411 X 0.125	ZINC PLATED STEEL	VARIES	
3	CB101	DOOR- CORNER BLOCK	2.130 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 2.032 LONG
4	CB102	DOOR- CORNER BLOCK	2.130 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 5.553 LONG
5	CB108	DOOR- CORNER BLOCK	2.130 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 5.553 LONG
6	CB109	DOOR- CORNER BLOCK	2.130 X 1.540 X 0.250	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 7.513 LONG
7	CS501-1	GLASS STOP CLIP	0.178 X 0.769 X 0.068	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	USED WITH (14)
8	DB122-1	CANNEL SPACER	4.406 X 1.455 X 0.090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 12" LONG
9	D101	DOOR- TOP RAIL	2.250 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
10	D102	DOOR- TOP RAIL	4.000 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	FOR USE WITH C.O.C.
11	D103	DOOR- HINGE STILE	2.125 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
12	D104	DOOR- INACTIVE MEETING STILE	2.125 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
13	D105	DOOR- ACTIVE MEETING STILE	1.989 X 1.750 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
14	D106	DOOR- ADJUSTABLE ASTRAGAL	0.331 X 1.562 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	D108	DOOR- STANDARD BOTTOM RAIL	7.500 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	D109	DOOR- ADA BOTTOM RAIL	9.500 X 1.710 X 0.120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	DG501	DOOR- GLASS STOP- ATTACHED	1.000 X 0.539 X 0.100	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	DG502	DOOR- GLASS STOP-SNAP-IN	0.876 X 0.539 X 0.065	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
19	NG1	EXTERIOR GLAZING GASKET	0.188 SPACE	EPDM	VARIES	
20	NG13	SPACER GASKET	0.201 X 0.288	EPDM	VARIES	
21	SB11	DOOR-SETTING/ EDGE BLOCK	0.319 X 0.523 X 4.000"	EPDM	VARIES	
22	SP100	ADJUSTABLE ASTRAGAL SPRING	1.055 X 0.485 X 0.055	S. STEEL	CORAL INDUSTRIES, INC.	USED AT (11) WITH (27)
23	995	SILICONE -GLASS TO METAL & INTERNAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL & INTERIOR
24	VG1	WEATHERING FOR (WS100) DOOR SWEEP	1.142 X 0.120 X 0.060	SOFT VINYL	CORAL INDUSTRIES, INC.	CUT TO D.O.W. (LESS CLEARANCE)
25	WS100	DOOR SWEEP	0.812 X 0.302 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT TO D.O.W. (LESS CLEARANCE)
26	WP106	WEATHERING @ ADJUSTABLE ASTRAGAL	VARIABLE SPACE	WOOL PILE	VARIES	DOUBLE ROW- FULL LENGTH OF (11)
27	AS1	FASTENER	# 10 X 3/4" FHP	STEEL	VARIES	
29	AS4	CAP BOLT	3/8"-16 X 3/4" HWH	STEEL	VARIES	
30	AS7	FASTENER	#8 X 3/4" POH S.D.	STEEL	VARIES	
31	AS13	SQUARE NUT	1.475 X 1.475 X 0.180	ZINC PLATED STEEL	CORAL INDUSTRIES, INC.	
32	AS41	3/8" LOCK WASHER	0.377 X 0.141 X 1.094	STEEL	VARIES	

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

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

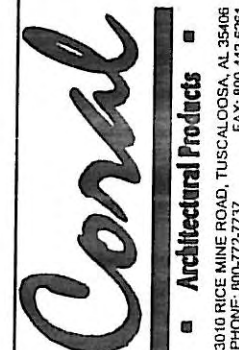
Lewis A. Waldrop
3/3/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT

BILL OF MATERIALS

DATE	1/8/2008
DRAWN JAS	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	281_03
SHEET	9 OF 14

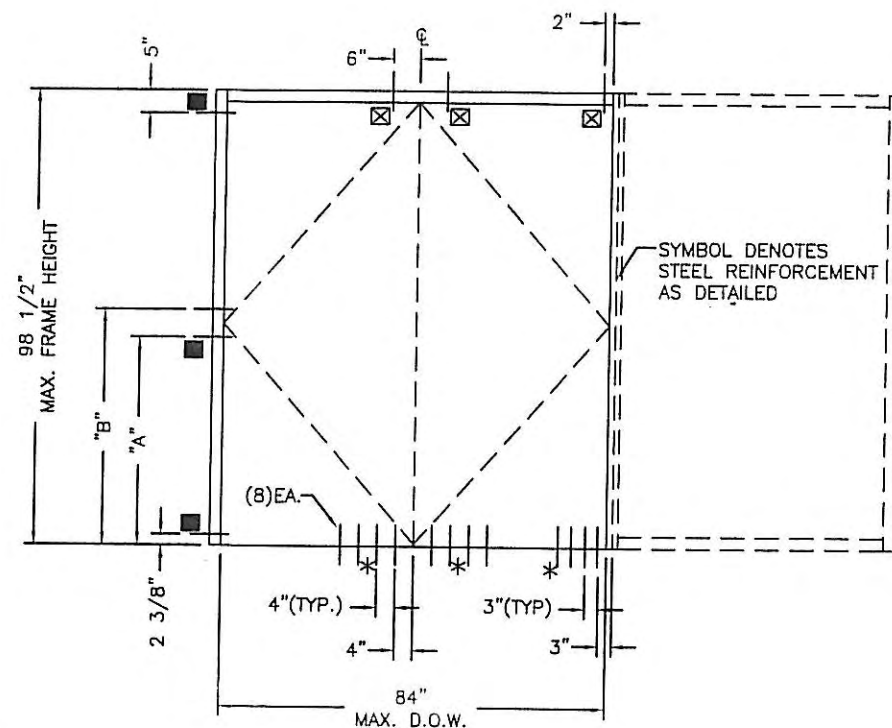
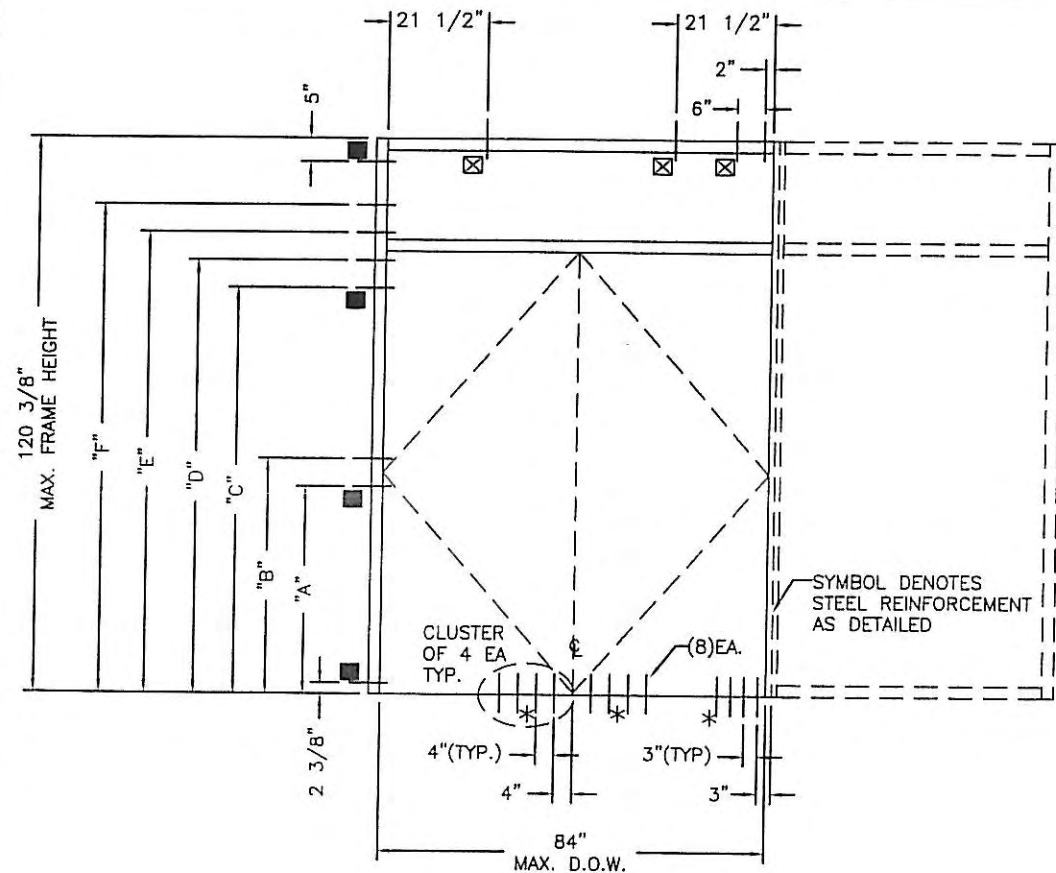


DESCRIPTION

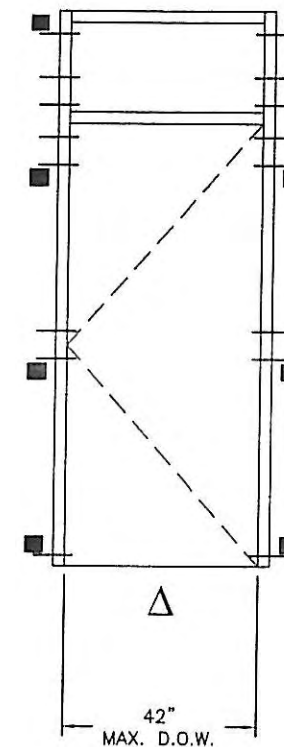
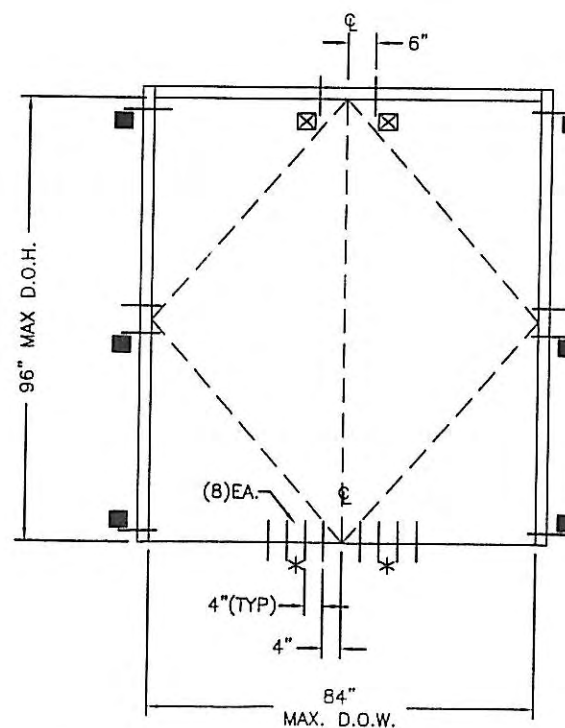
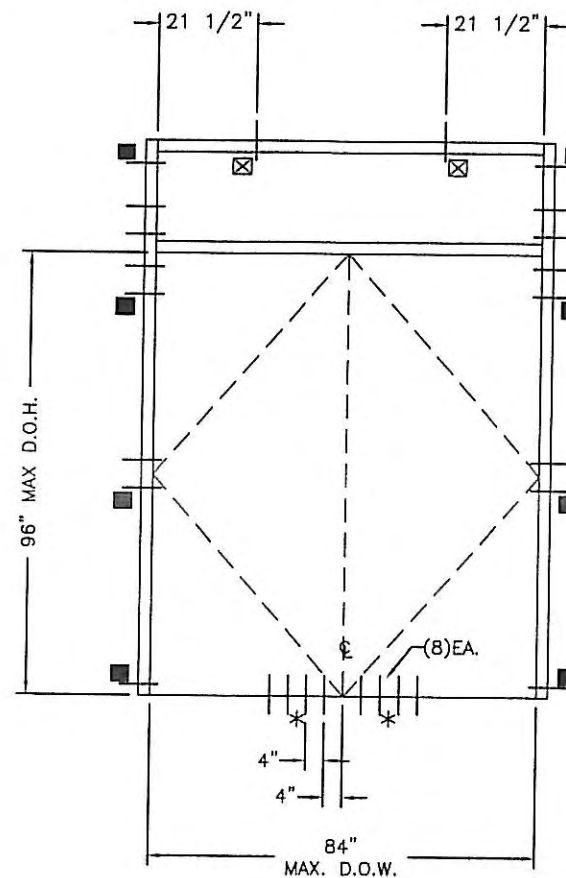
REV BY DATE

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"	"F"
84"	45"	51"	76"	82"	89"	95"



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

MAXIMUM DESIGN PRESSURE
+/-65 PSF

NOTES:

Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.

LEGEND

⊖ ⊕ EACH LINE REPRESENTS
ONE FASTENER

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

Lewis A. Waldrop
3/12/08

Lewis A. Waldrop, P.E.
P.O. Box 520
Ato, GA 30510
706-778-3784

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

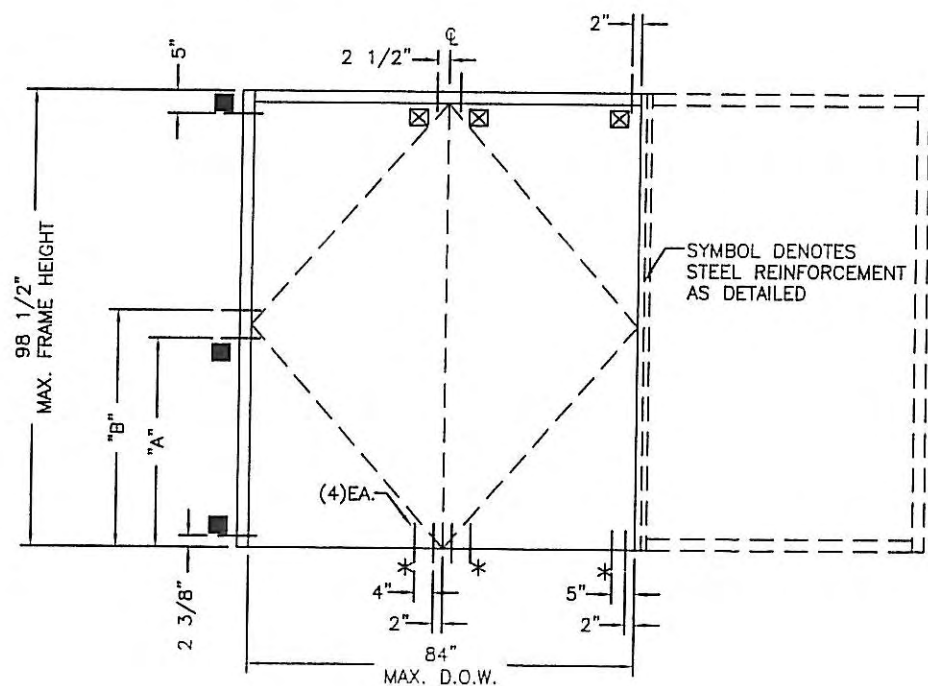
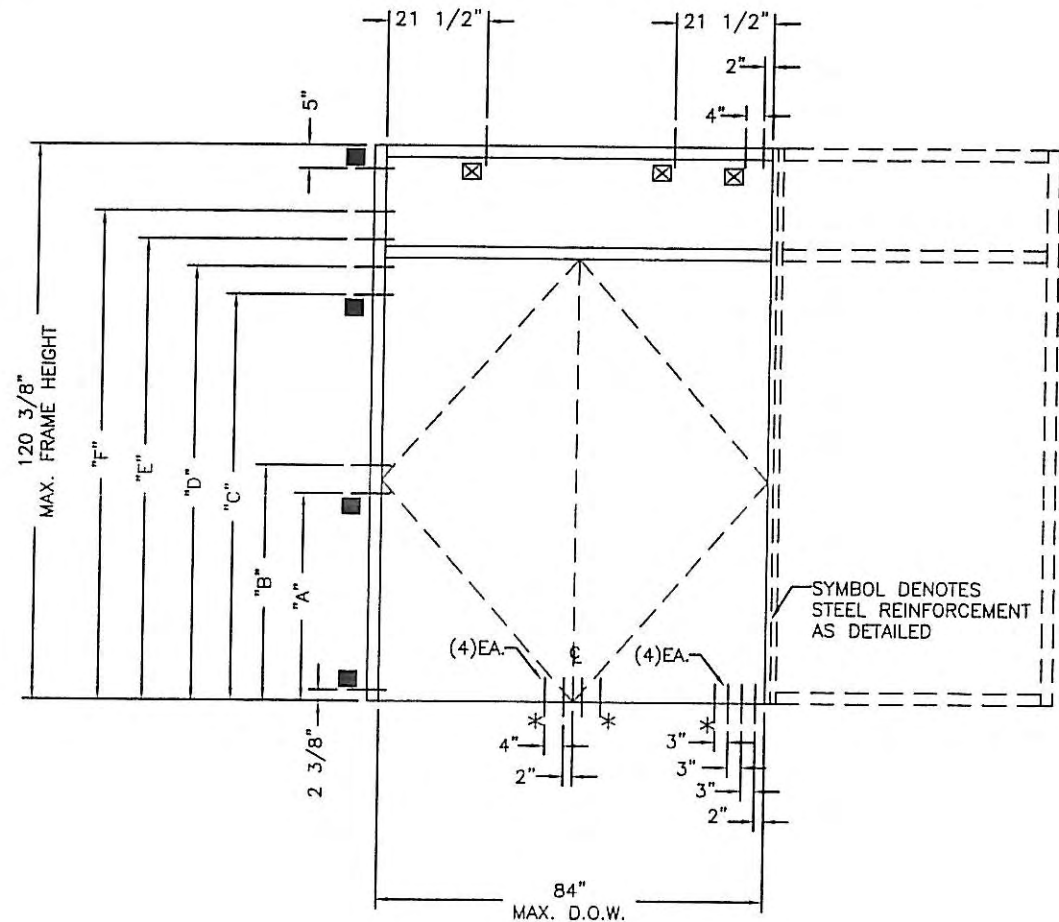
PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT
FL500 DOORFRAME
PERIMETER FASTENER CHARTS

DATE	1/8/2008
DRAWN	JAS
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281_03
SHEET	10 OF 14

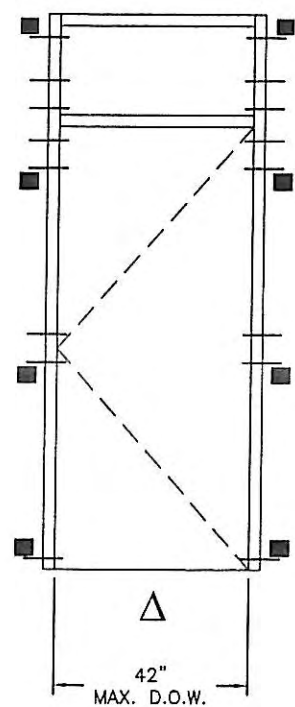
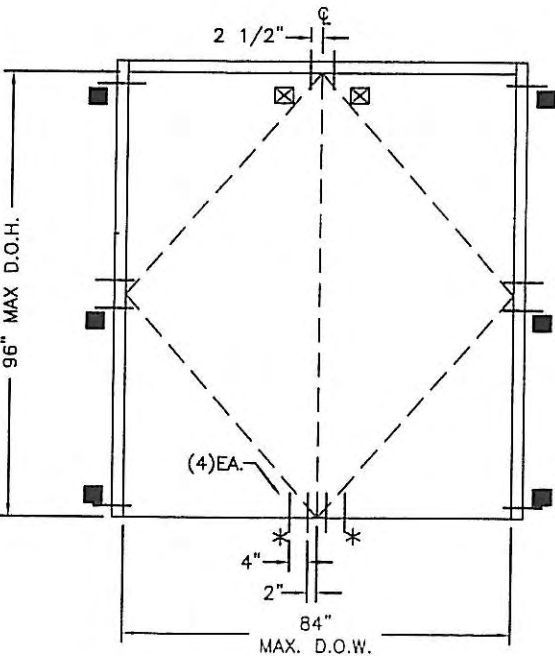
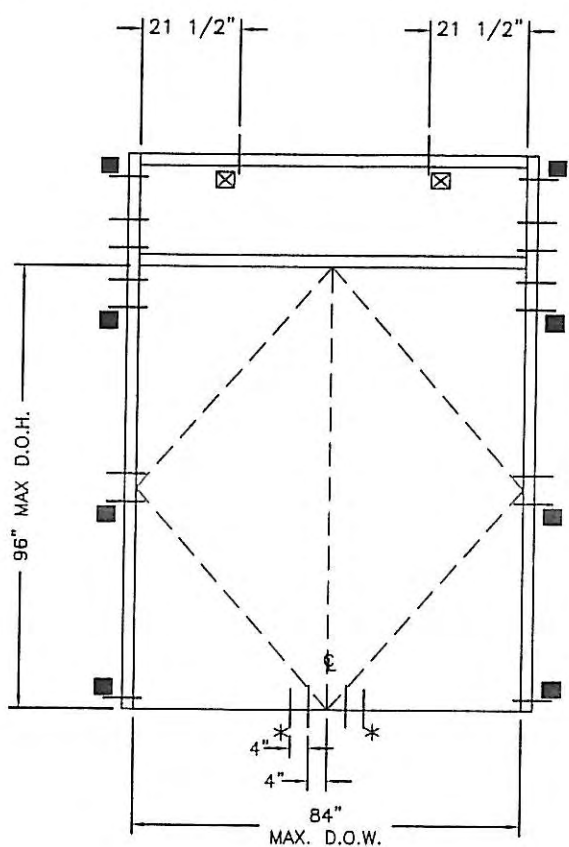
Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 205-443-6261

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
1/4" MIN. THICK STEEL SUBSTRATE



PERIMETER FASTENER LOCATIONS						
DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.					
	"A"	"B"	"C"	"D"	"E"	"F"
84"	45"	51"	76"	82"	89"	95"



TYP. INSTALLATION INTO: STEEL SUBSTRATE	
■	3/8"-16 X 3 1/2" HWH TYPE "F" TCS FILLER PLATE FULL LENGTH OF MULLION
⊗	3/8"-16 X 1 1/2" HWH TYPE "F" TCS SCREW
*	1/4"-12 X 1 1/2" PFH #3 TEK SCREW 2" MIN SPACING

MAXIMUM DESIGN PRESSURE
+/-65 PSF

NOTES:
Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.
LEGEND
⊖ ⊕ EACH LINE REPRESENTS
ONE FASTENER

Lewis A. Waldrop, P.E.
FLA. P.E. #21959
Lewis A. Waldrop
3/3/08

Lewis A. Waldrop, P.E.
P.O. Box 620
Alto, GA 30510
706-776-3764

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

Corral

Architectural Products

3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737

PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT
FL500 DOORFRAME
PERIMETER FASTENER CHARTS

DATE 1/8/2008
DRAWN JAS
CHECKED JDW
APPROVED JDW
PROJECT NO.
DRAWING NO. 281_03
SHEET 11 OF 14

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
MIN. #2 SYP WOOD SUBSTRATE - THICKNESS
DETERMINED BY MIN. EMBEDMENT REQ'D

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, 3" MIN. EMBEDMENT
☒	3/8" X 3-1/2" LAG BOLT, 3" MIN. EMBEDMENT
*	#14 X 2-1/2" WOOD SCREW
EDGE DISTANCE 1 1/2", MIN. SPACING IS 2", WOOD STRUCTURE IS MIN. #2 SYP	

MAXIMUM DESIGN PRESSURE
+/-65 PSF

NOTES:

Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.

LEGEND

— — — — — EACH LINE REPRESENTS
ONE FASTENER

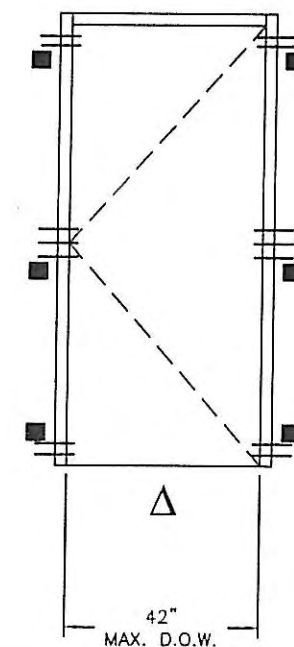
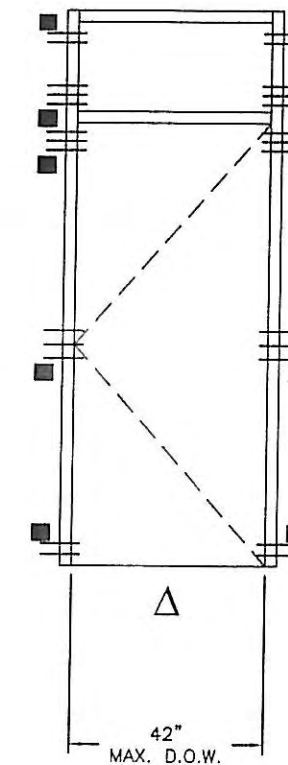
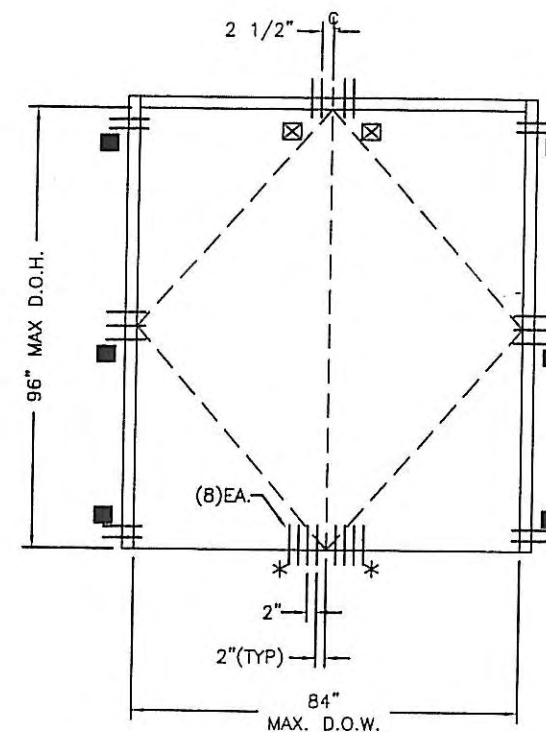
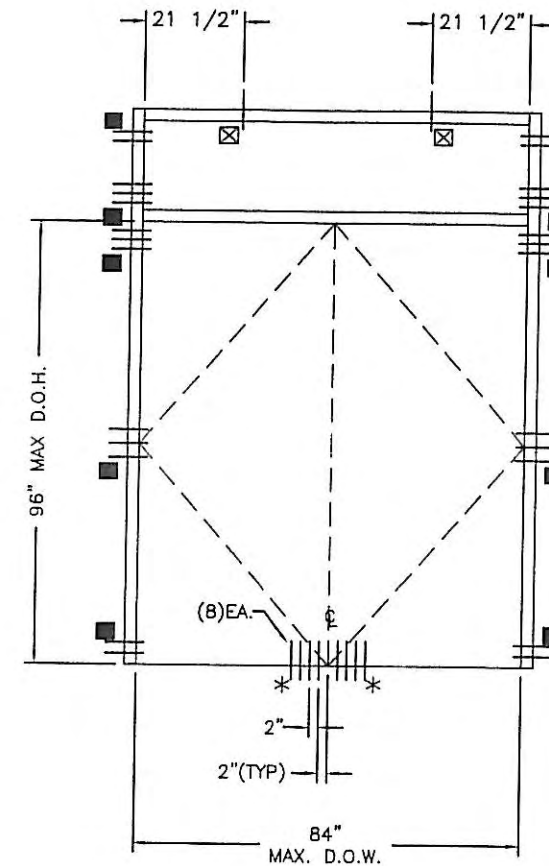
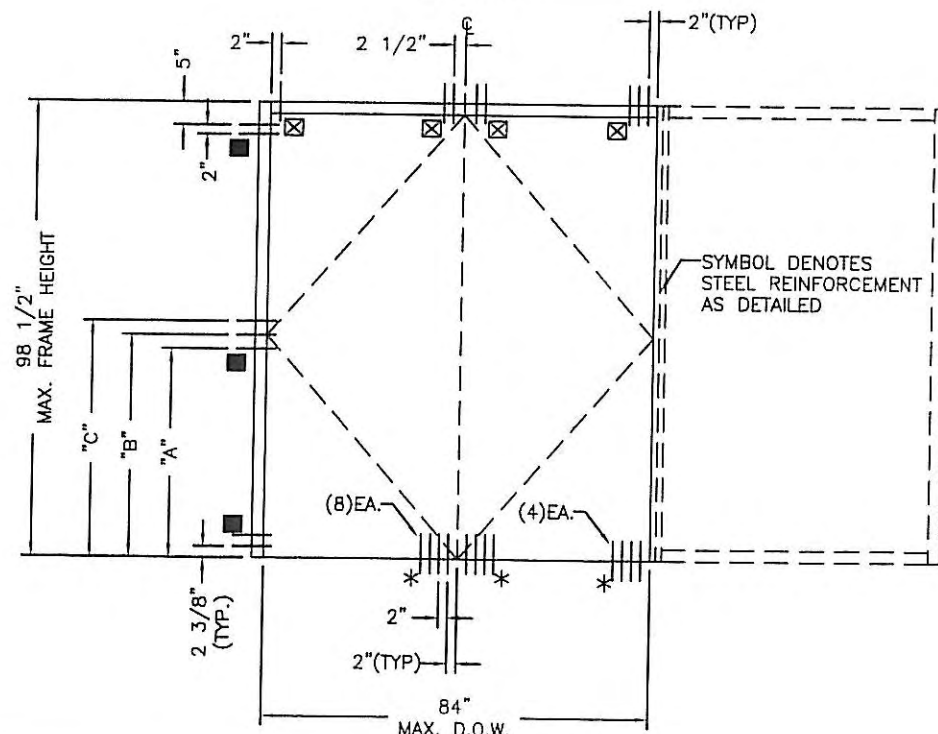
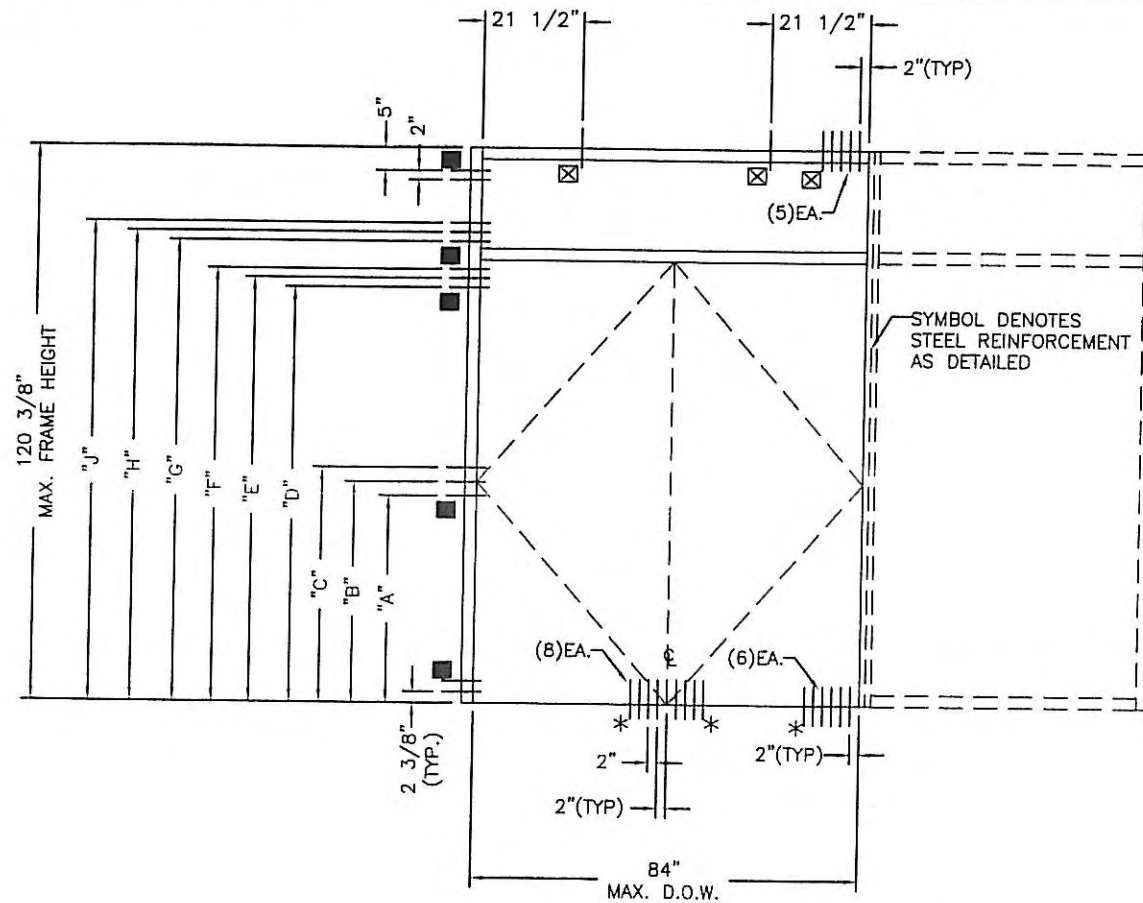
Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Jan Waldrop
3/3/08

PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT
FL500 DOORFRAME
PERIMETER FASTENER CHARTS

DATE	1/8/2008
DRAWN	JAS
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281_03
SHEET	12 OF 14

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL



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

HARDWARE SCHEDULES

DADE COUNTY PRODUCT APPROVAL					DOOR MARK		DOOR: # TYPICAL		ELEV: TYPICAL			
IMPACT		X			DOOR SIZE		6'-0 X 7'-0" PAIR					
			DOOR HINGING			LOCKING DEVICE		MANUFACTURER		NOTES:		
DOOR TYPE			B.H.			DH072		X	VARIES		3 POINT LOCK	
SERIES 281			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			1	CORAL			
PUSH BAR					PB1-39			1	CORAL			
CYLINDER (ACTIVE)					DH078			1	VARIES			
THUMB TURN (ACTIVE) OPTIONAL					DH079			1	VARIES			
LOCK (ACTIVE)					DH072 (3-PT. LOCK)			1	VARIES			
FLUSH BOLT (INACTIVE)TOP/BTM 84" DOOR					DH176			1	VARIES			
FLUSH BOLT (INACTIVE)TOP ONLY 96" DOOR					DH176-96			1	VARIES			
DOOR BOTTOM SWEEP					WS142			2	CORAL			
NOTES:												
S.A.C. OR C.O.C. IS OPTIONAL												

DADE COUNTY PRODUCT APPROVAL				DOOR MARK		DOOR: # TYPICAL		ELEV: TYPICAL	
IMPACT		X			DOOR SIZE		6'-0 X 7'-0" PAIR		
			DOOR HINGING		LOCKING DEVICE		MANUFACTURER		NOTES:
DOOR TYPE			B.H.						
SERIES 281			X			EXIT DEVICES:		SERIES	
						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				PH401		2	CORAL		
CYLINDER (ACTIVE)				DH078		1	CORAL		
PANIC STOP				DP200-2		1	CORAL		
THRESHOLD				TH4		1	CORAL		
DOOR BOTTOM SWEEP				WS142		2	CORAL		
NOTES:									
S.A.C. OR C.O.C. IS OPTIONAL									

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

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

Lewis A. Waldrop
 3/3/08

DRAWINGS FOR
 DADE COUNTY
 PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
 SERIES 281 DOORS-IMPACT
 HARDWARE SCHEDULES

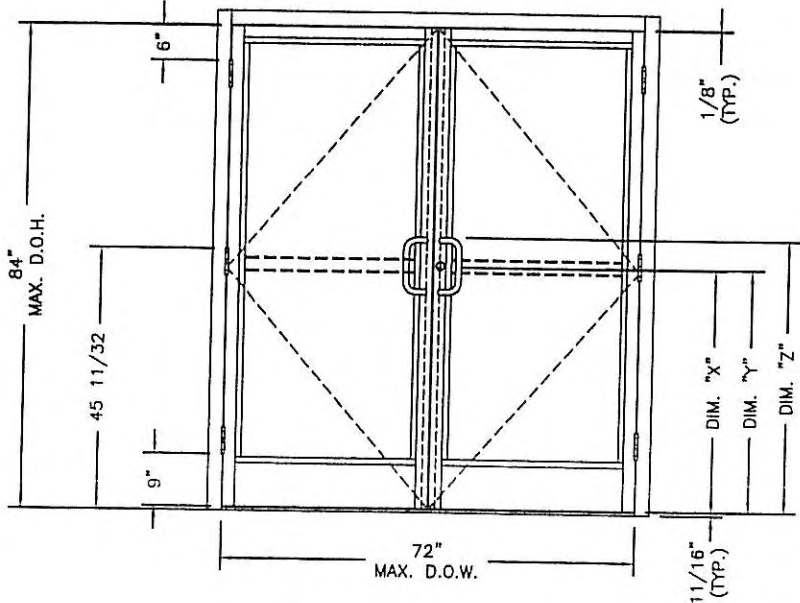
DATE			1/8/2008		
DRAWN		CHECKED		APPROVED	
JAS		JDW		JDW	
PROJECT NO.					
DRAWING NO.					
281_03					
SHEET					
13		OF		14	



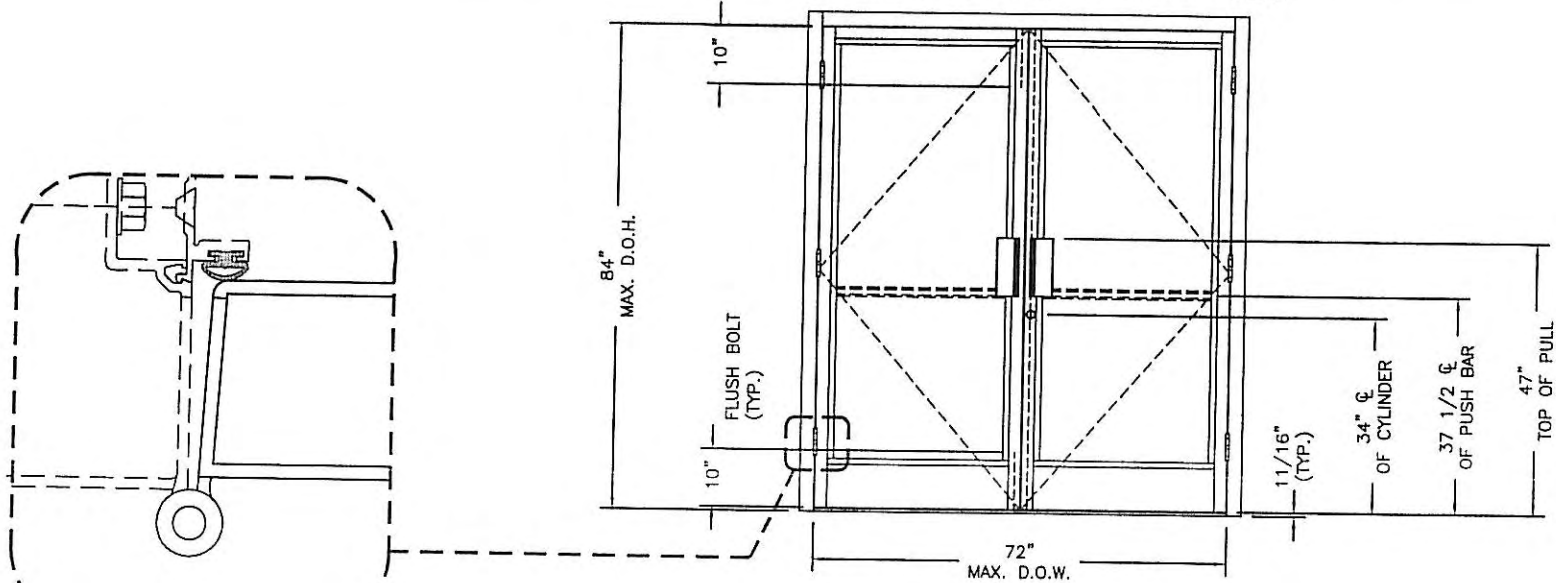
Coral
 Architectural Products
 3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
 PHONE: 800-772-7737 FAX: 800-443-6261

STANDARD HARDWARE LOCATIONS FOR SERIES 281 OFFSET HUNG HURRICANE IMPACT-RESISTANT DOORS

WITH JACKSON 2086 EXIT DEVICE &
1-1/2" PAIR BUTT HINGES



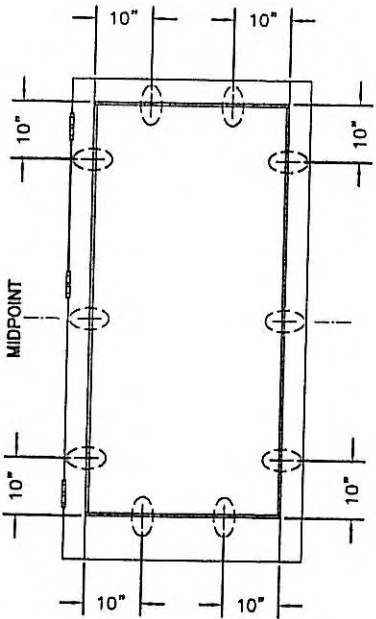
(DH072) 3-POINT LOCK (ACTIVE) AND (DH176) FLUSH BOLTS (INACTIVE)
WITH 1-1/2" PAIR BUTT HINGES



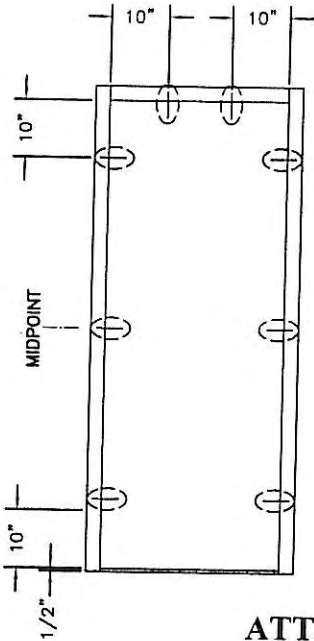
DH109
BUTT HINGE
DETAIL

HDW LOCATIONS FOR PANIC DOORS

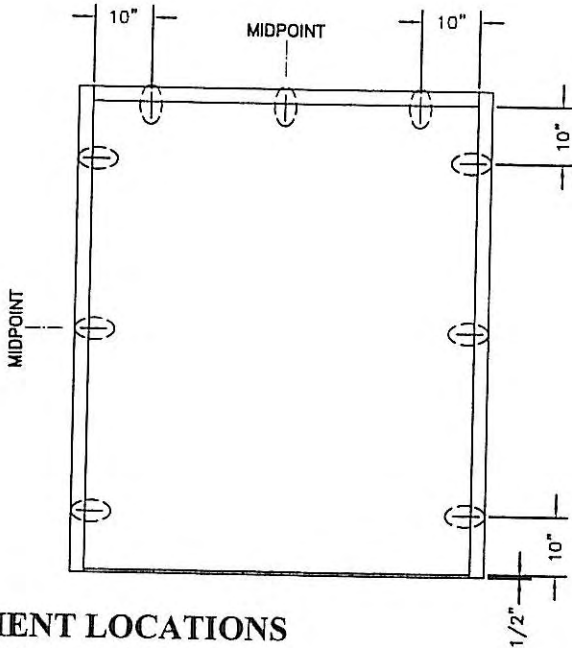
MANUFACTURER	PANIC DEVICE	DIM "X" ¢ OF CYLINDER	DIM "Y" ¢ OF PANIC	DIM "Z" TOP OF PULL
JACKSON	2086 H.R.-C.V.R.	37 7/8"	38 5/32"	42 7/8"



ATTACHMENT LOCATIONS
FOR CS501-1 GLASS STOP CLIP
(84" D.O.H.)



ATTACHMENT LOCATIONS
FOR DS500-1 DOOR STOP
(84" D.O.H.)



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

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

Lewis A. Waldrop
7/3/28

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
SERIES 281 DOORS-IMPACT
HARDWARE LOCATIONS

DATE	1/8/2008
DRAWN	JAS
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	281_03
SHEET	14 OF 14

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-6281

DESCRIPTION

REV BY DATE