

PRODUCT APPROVAL SUBMITTAL

FL500 FRAMING SYSTEM WITH MULTIPLE INFILLS

FOR USE IN HURRICANE ZONES

REQUIRING LARGE MISSILE IMPACT PROTECTION

GENERAL NOTES:

TEST STANDARDS

AIR-TAS202
WATER-TAS202
STATIC-TAS202
IMPACT-TAS201
CYCLIC-TAS203

DESIGN PRESSURE VARIES
REF. SHEETS 2-6 OF 16

WATER INFILTRATION: 15 PSF

AIR INFILTRATION: 6.24 PSF

TYPICAL GLASS BITE IS 9/16" UNLESS OTHERWISE NOTED.

1/4" MAXIMUM SHIM SPACE @ PERIMETER UNLESS OTHERWISE NOTED

ALL ALUMINUM EXTRUSIONS SHALL BE MADE FROM 6063-T6 ALLOY AND TEMPER.

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 SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4

SERIES 381 AND 281 ENTRANCE DOORS FOR FL500 FRAMING SYSTEM ARE SHOWN ON SEPERATE SUBMISSION. THE LOWER DESIGN PRESSURE OF WINDOWWALL OR DOOR WILL GOVERN

ABBREVIATIONS:

D.L.O. = DAY LIGHT OPENING
C.O.C. = CONCEALED OVERHEAD CLOSER
TYP. = TYPICAL
D.O.W. = DOOR OPENING WIDTH
D.O.H. = DOOR OPENING HEIGHT
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

INDEX TO DRAWINGS	
SHEET 1:	INDEX TO DRAWINGS AND NOTES
SHEET 2:	TYPICAL ELEVATION LIGHT ALUM. MULLION WITH STEEL-LONG SPAN
SHEET 3:	TYPICAL ELEVATION LIGHT ALUM. MULLION WITHOUT STEEL-SHORT SPAN
SHEET 4:	TYPICAL HEAVY ALUM. MULLION WITHOUT STEEL-LONG SPAN
SHEET 5:	TYPICAL ELEVATIONS FOR DOORFRAMES WITH A TRANSOM - WITH OR WITHOUT A SIDE LIGHT
SHEET 6:	TYPICAL ELEVATIONS FOR DOORFRAMES WITHOUT A TRANSOM - WITH OR WITHOUT A SIDE LIGHT
SHEET 7:	GLAZING SCHEDULE
SHEET 8-12:	FRAMING DETAILS
SHEET 13:	BILL OF MATERIALS FOR FRAMING AND ACCESSORIES
SHEET 14:	PERIMETER FASTENER LOCATIONS - FOR DOORFRAMES - CONCRETE SUBSTRATE
SHEET 15:	PERIMETER FASTENER LOCATIONS - FOR DOORFRAMES - STEEL SUBSTRATE
SHEET 16:	PERIMETER FASTENER LOCATIONS - FOR DOORFRAMES - WOOD SUBSTRATE

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

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

L. Waldrop
2/21/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT TEST DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

INDEX TO DRAWINGS AND NOTES

DATE 1/8/2008		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. FL500_03		
SHEET 1 OF 16		

Coral
Architectural Products
3010 RICE MIKE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 205-443-9261

3/8" x 3-1/2" LONG
LAG BOLTS TYP. @
WOOD WITH 3" MIN.
EMBEDMENT. LOCATE
FIRST ANCHOR 2" FROM
EDGE OF MULLION AND
ADDITIONAL FASTENERS
@2" MIN. SPACING
BETWEEN ANCHORS.

3/8" -16 x 1-1/2" HWH
TYPE "F" TCS TYP. @STEEL.
LOCATE FIRST ANCHOR 2"
FROM EDGE OF MULLION
AND ADDITIONAL FASTENERS
@ 2" MIN SPACING
BETWEEN ANCHORS

⊖ ⊕ EACH LINE REPRESENTS
ONE FASTENER

DESIGN PRESSURE = $+70/-80$ PSF

~~WATER TEST AT 15 PSF~~

AIR @ 6.24 P.S.F.

NOTES:

1. GLASS SIZE=D.L.O. + 1-1/8"
2. HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY
3. HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

TYPICAL ATTACHMENT TO CONCRETE/STEEL/WOOD SUBSTRATE

2500 P.S.I. CONCRETE

1/4" MIN. THICK STEEL

WOOD STRUCTURE: MIN. #2 SYP. SEE SHEET 16

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

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

Van Buren
2/21/08

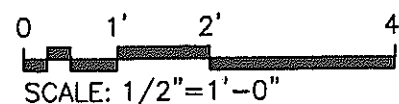
3/8" x 2-1/2" LONG LDT
TYP. @ CONCRETE WITH 2" MIN.
EMBEDMENT. LOCATE FIRST ANCHOR
2" FROM EDGE OF MULLION AND
ADDITIONAL FASTENERS @ 6" MIN.
SPACING BETWEEN ANCHORS.

LOCATE (1) EA. 3" ABOVE
AND BELOW MIDPOINT:
3/8" X 2-1/2" LONG LDT
TYP. @ CONCRETE WITH
2" MIN. EMBEDMENT.

LOCATE (1) EA. 1-1/2"
ABOVE AND BELOW MIDPOINT:
3/8" -16 x 1-1/2" HWH
TYPE "F" TCS TYP. @STEEL 2"
MIN. SPACING BETWEEN ANCHORS

LOCATE (1) EA. @ MIDPOINT
AND (2) EA. ABOVE AND BELOW
MIDPOINT: 3/8" X 3-1/2" LONG
LAG BOLTS TYP. @ WOOD.
3" MIN. EMBEDMENT, 2" MIN
SPACING BETWEEN ANCHORS.

TYPICAL ELEVATION LIGHT ALUM. MULLION
WITH STEEL REINFORCEMENT-LONG SPAN



PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

FRAMING ELEVATIONS

DATE 1/8/2008

DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		

DRAWING NO.	FL500_03
SHEET	2 OF 16

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

HEAD/SILL @ WOOD SUBSTRATE

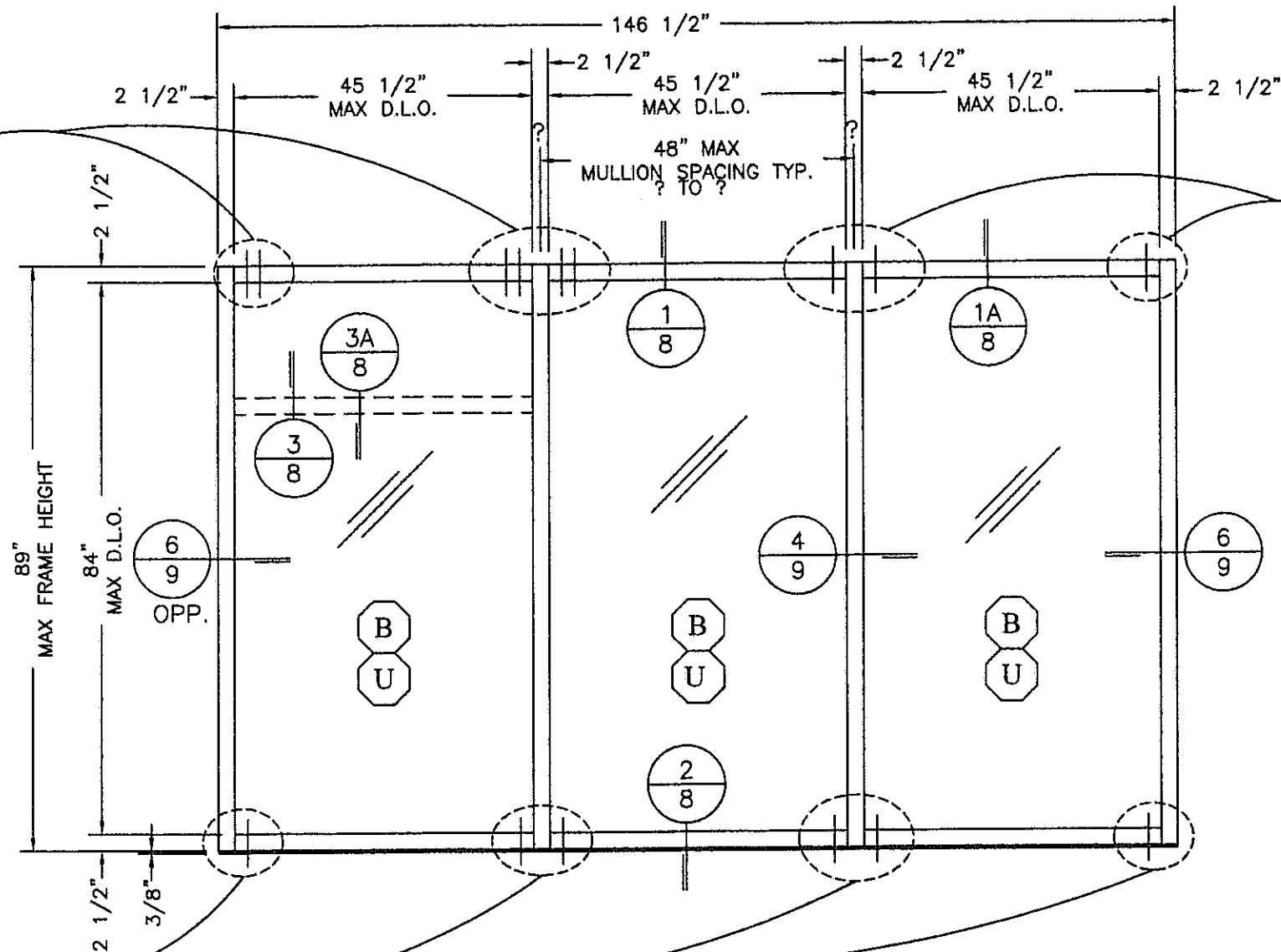
3/8" x 3-1/2" LONG LAG BOLTS TYP. @ WOOD WITH 3" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 2" MIN. SPACING BETWEEN ANCHORS.

HEAD/SILL @ STEEL SUBSTRATE

3/8" -16 x 1-1/2" HWH TYPE "F" TCS TYP. @STEEL. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION.

SILL/HEAD @ CONCRETE SUBSTRATE

3/8" x 2-1/2" LONG LDT TYPICAL @ CONCRETE WITH 2" EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION.



TYPICAL ELEVATION LIGHT ALUM. MULLION WITHOUT STEEL REINFORCEMENT -SHORT SPAN-

LEGEND

⊖ ⊕ EACH LINE REPRESENTS ONE FASTENER

TYPICAL ATTACHMENT TO CONCRETE/STEEL/WOOD SUBSTRATE
2500 P.S.I. CONCRETE
1/4" MIN. THICK STEEL
WOOD STRUCTURE: MIN. #2 SYP. SEE SHEET 16

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

DESIGN PRESSURE = +65/-65 PSF

NOTES:

- GLASS SIZE=D.L.O. + 1-1/8"
- HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY
- HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

0 1' 2' 4'
SCALE: 1/2"=1'-0"

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

Lewis A. Waldrop
2/21/08

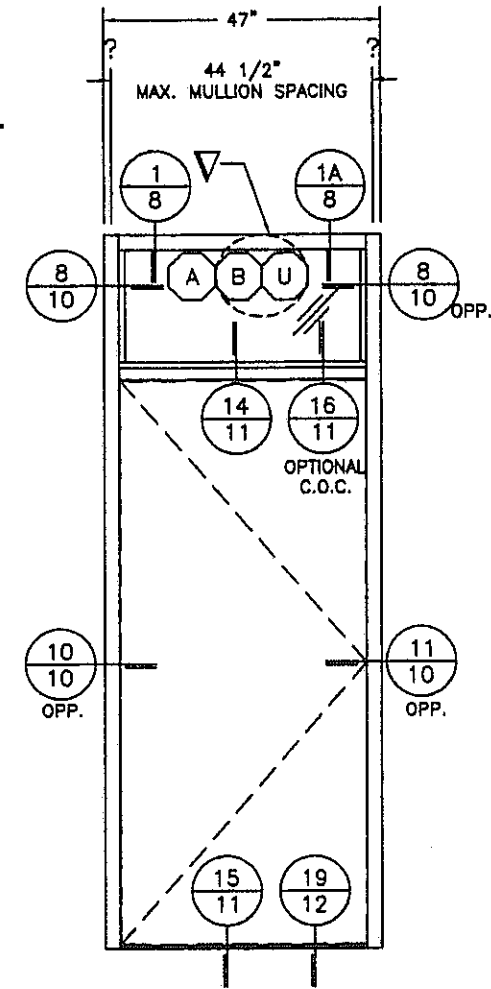
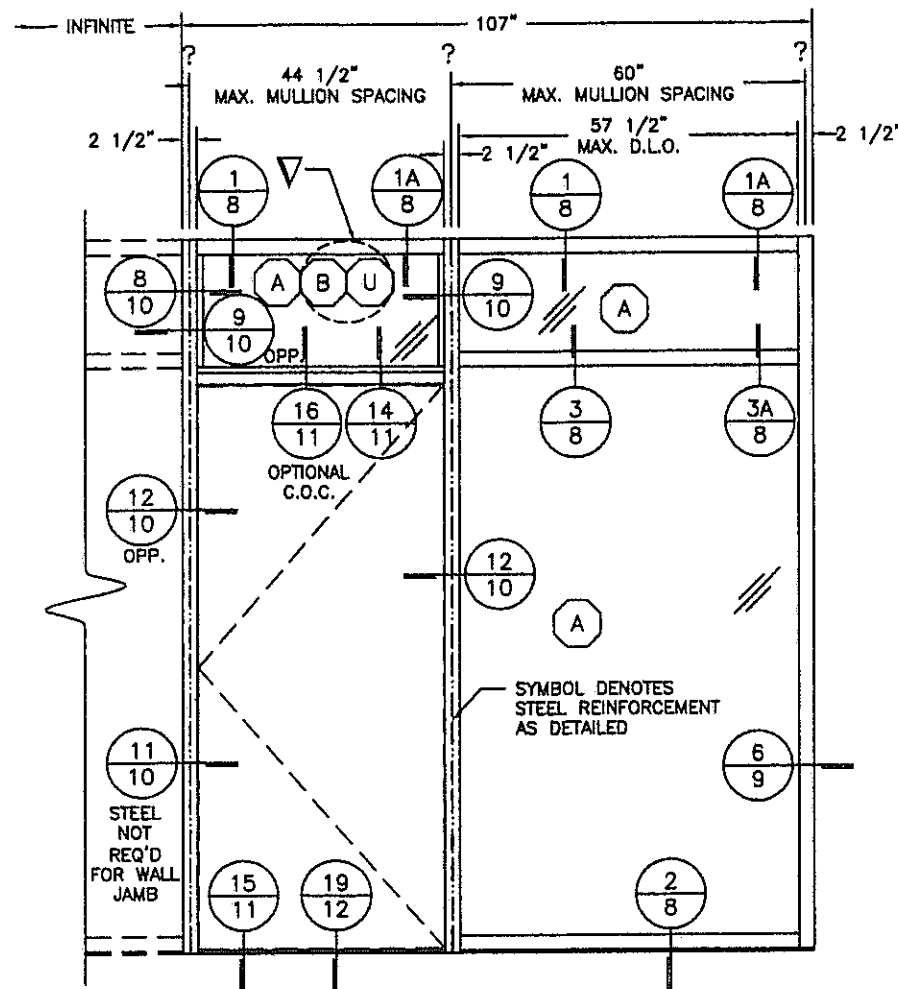
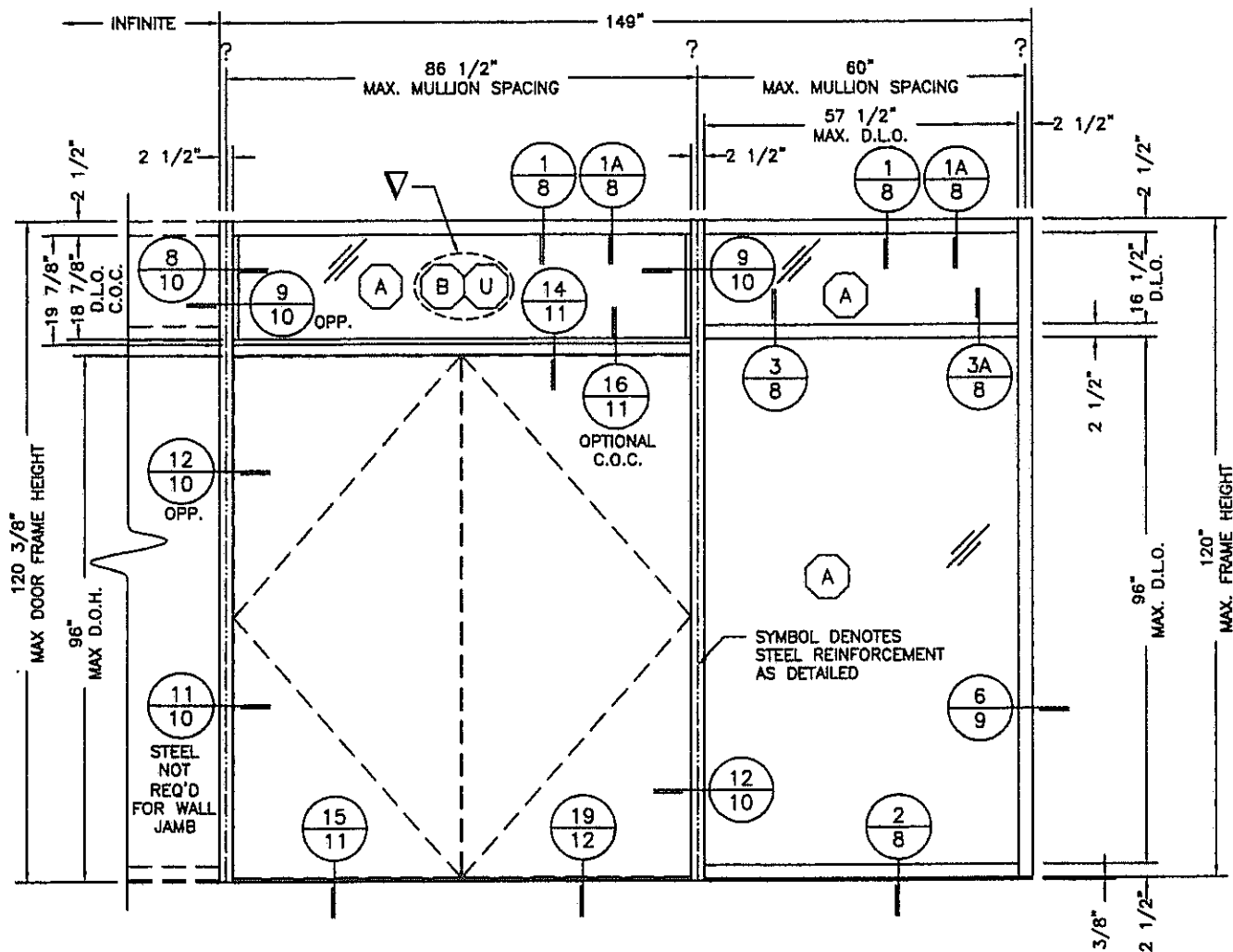
PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

FRAMING ELEVATIONS

DATE 1/8/2008
DRAWN PCH CHECKED JDW APPROVED JDW
PROJECT NO.
DRAWING NO. FL500_03
SHEET 3 OF 16

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 205-445-0281



TYPICAL ELEVATIONS FOR DOORFRAMES WITH A TRANSOM - WITH OR WITHOUT A SIDE LIGHT-

SPECIAL NOTATION: TRANSOM GLASS TYPES
(B) & (U) ARE LIMITED TO +/-65 PSF

DESIGN PRESSURE = +70/-80 PSF

NOTES:

- GLASS SIZE=D.L.O. + 1-1/8"
- SEE SHEETS 14-16 FOR DOORFRAME PERIMETER FASTENER LOCATIONS
- HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY.
- SERIES 381 AND 281 DOORS ARE SHOWN ON SEPARATE SUBMISSION
- HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

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

L. Waldrop
2/21/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

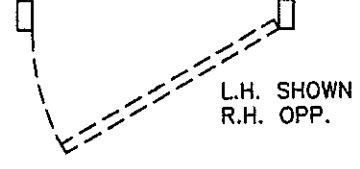
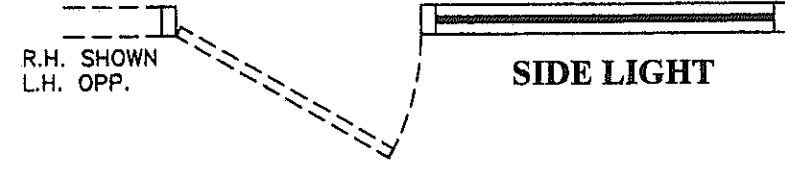
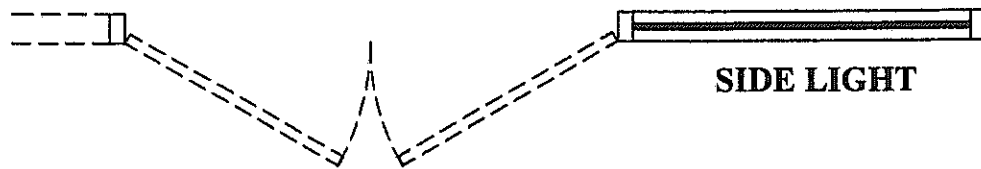
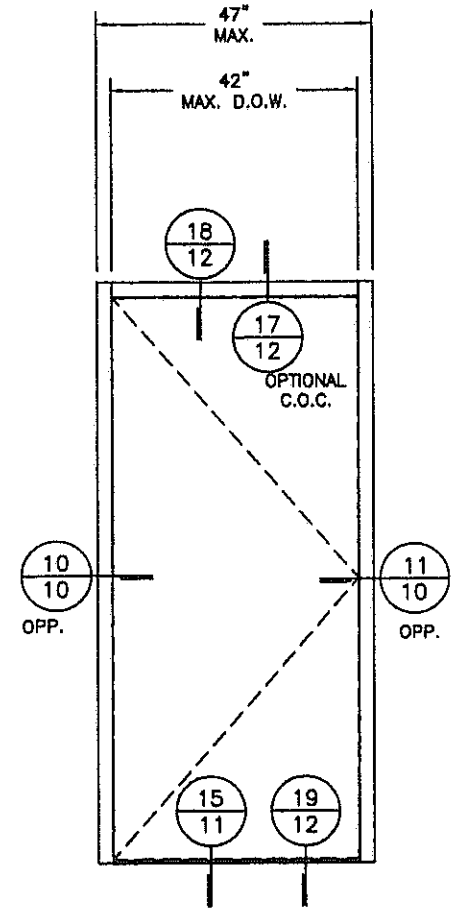
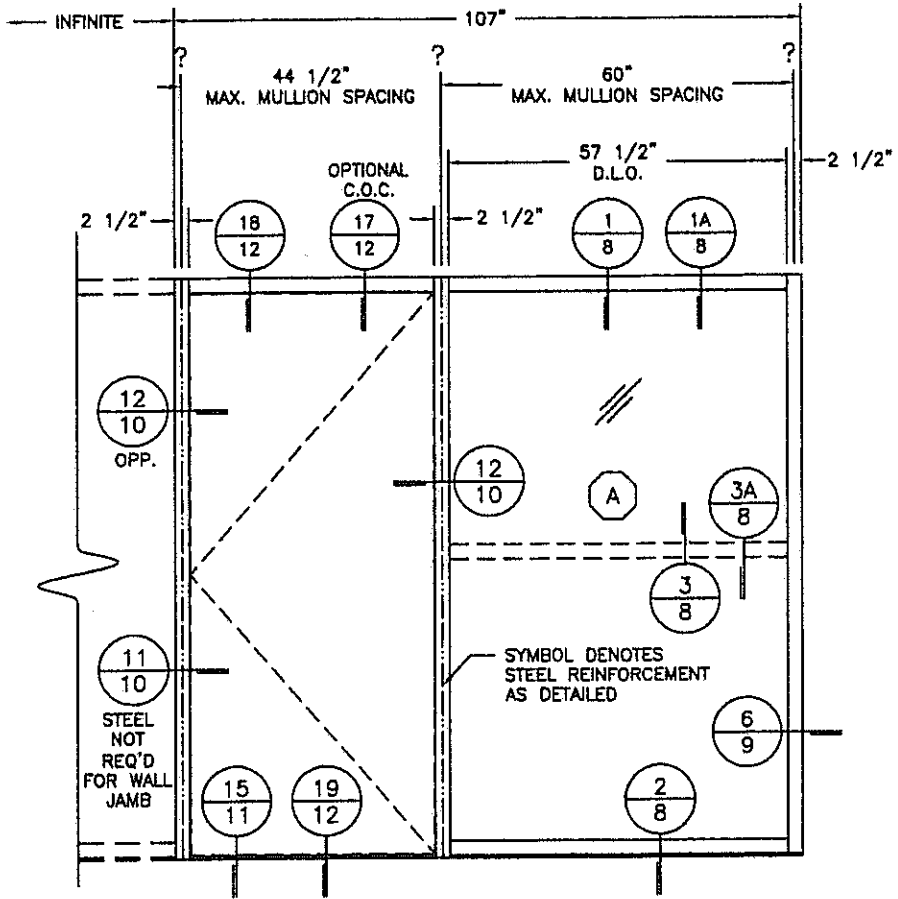
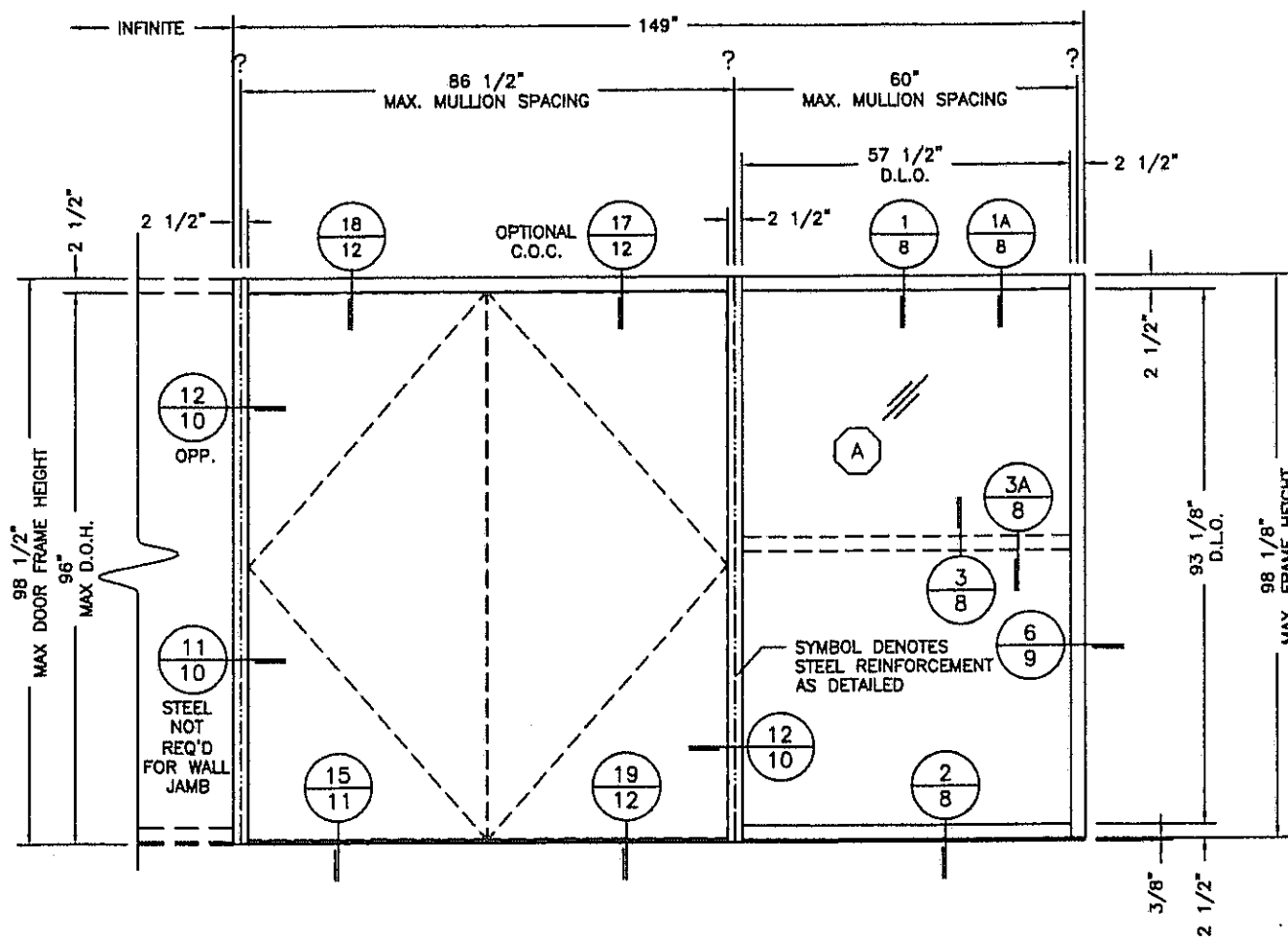
FRAMING ELEVATIONS

DATE 1/8/2008
DRAWN PCH CHECKED JDW APPROVED JDW
PROJECT NO.
DRAWING NO. FL500 03
SHEET 5 OF 16

Conal
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 205-343-0811

DESCRIPTION

REV BY DATE



**TYPICAL ELEVATIONS FOR DOORFRAMES WITHOUT A TRANSOM
- WITH OR WITHOUT A SIDE LIGHT-**

DESIGN PRESSURE = +70/-80 PSF

- NOTES:
1. GLASS SIZE=D.L.O. + 1'-1/8"
 2. SEE SHEETS 14-16 FOR DOORFRAME PERIMETER FASTENER LOCATIONS
 3. HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY.
 4. SERIES 381 AND 281 DOORS ARE SHOWN ON SEPARATE SUBMISSION
 5. HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

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

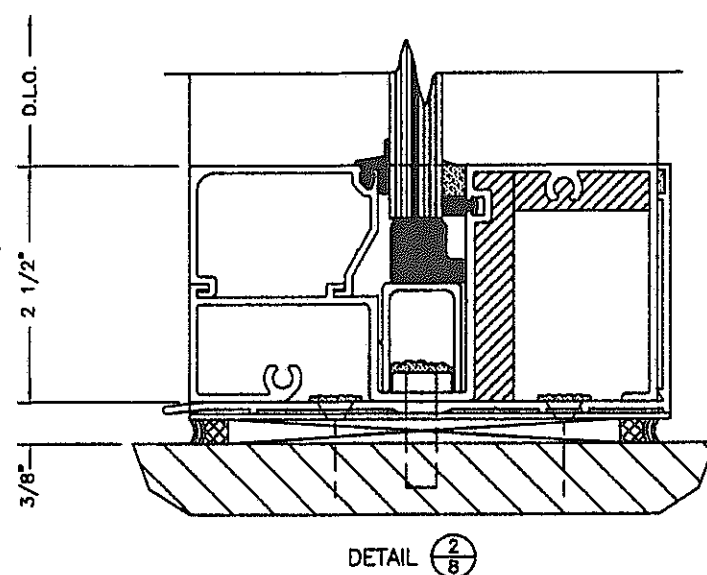
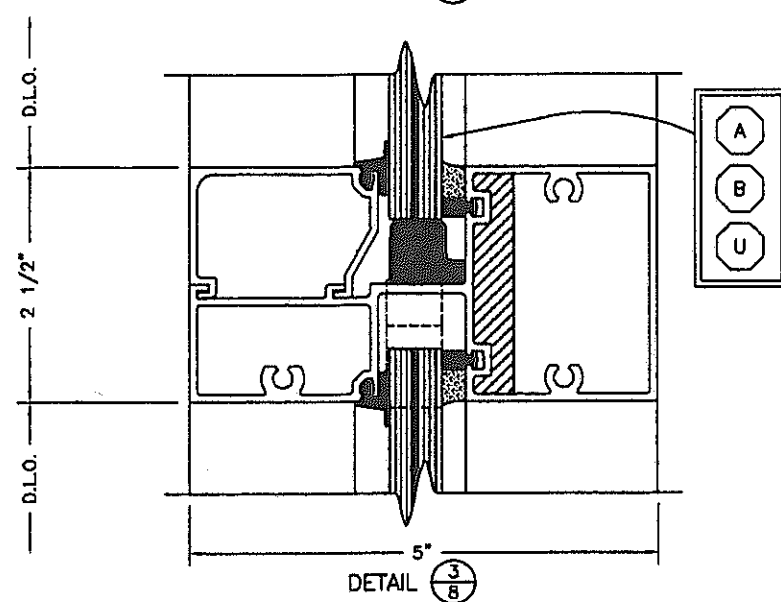
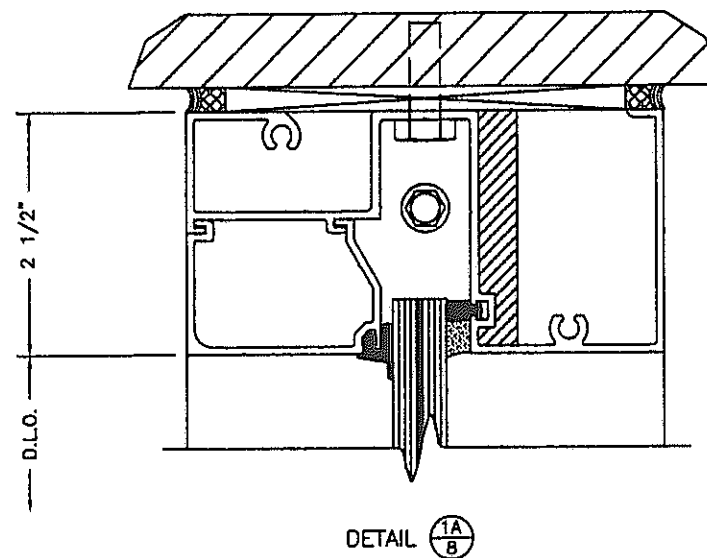
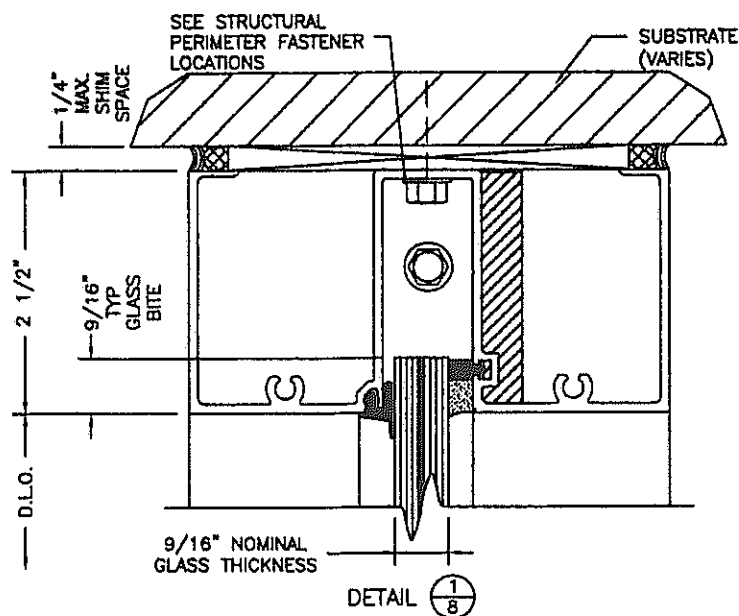
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8"=1'-0"

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

Lewis A. Waldrop
2/4/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

Corral Architectural Products 3010 RICE MINE ROAD, TUSCALOOSA, AL 35406 PHONE: 800-772-7737 FAX: 800-443-6261		DATE: 1/8/2008 DRAWN: PCH CHECKED: JDW APPROVED: JDW PROJECT NO. DRAWING NO. FL500_03 SHEET 6 OF 16
PRODUCT APPROVAL DRAWINGS FL500 WINDOW WALL SYSTEM PROTOCOLS: PA201/202/203		FRAMING ELEVATIONS



GLAZING SCHEDULE

GLASS MARK	GLASS TYPE	MANUFACTURER	MAXIMUM DLO (INCHES)	MAX SQ. FT.
(A)	9/16" LAMINATED -1/4" H.S. -.075 VS02 -1/4" H.S. N.O.A. 03-0514.15	SOLUTIA	57 1/2 X 96	38.3
(B)	9/16" LAMINATED -1/4" H.S. -.090 SAFLEX PVB -1/4" H.S. N.O.A. 03-0105.02	SOLUTIA	45 1/2 X 96	30.3
(U)	9/16" LAMINATED -1/4" H.S. -.120 UVEKOL -1/4" H.S. N.O.A. 03-1117.05	CORAL INDUSTRIES	45 1/2 X 84	26.5
(A)	9/16" LAMINATED -1/4" H.S. -.075 VS02 -1/4" H.S. N.O.A. 03-0514.15	SOLUTIA	45 1/2 X 96	30.3
(U)	9/16" LAMINATED -1/4" H.S. -.120 UVEKOL -1/4" H.S. N.O.A. 03-1117.05	CORAL INDUSTRIES	45 1/2 X 96	30.3

TYPICAL GLASS SIZE = DLO + 1-1/8"

NOTE: THE INTERIOR IS ON THE RIGHT OF VERTICAL SECTION CUTS UNLESS OTHERWISE NOTED

TYPICAL GLASS BITE IS 9/16" UNLESS OTHERWISE NOTED

OPTIONS AND LIMITATIONS					
DESIGN PRESSURE P.S.F.	INTERMEDIATE VERTICAL MULLION	WALL JAMB MULLION	MAX MULLION SPAN (INCHES)	MAX SPACING ? TO ? (INCHES)	QUALIFIED GLASS TYPES
+60/-60	FL516/FL505 HEAVY DUTY MULLION	FL501	120	48	(B)(U)
+65/-65	FL504/FL505	FL501	89	48	(B)(U)
+70/-80	FL504/FL505 W/SR504 STEEL REINFORCEMENT	FL501	120	60	(A)

0 1" 2" 4"
SCALE: 6" = 1'-0"

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

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

L. Waldrop
2/2/08

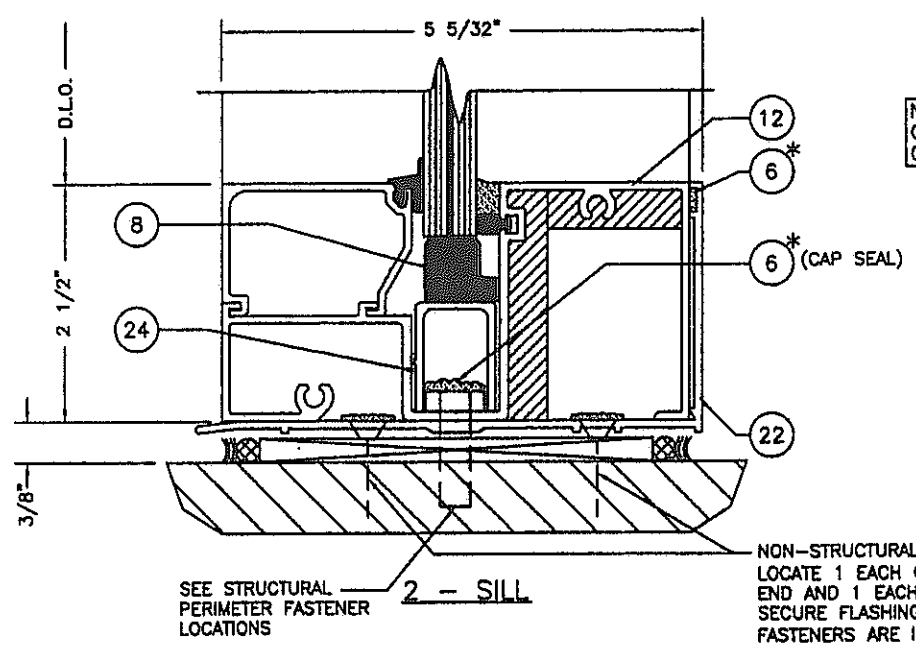
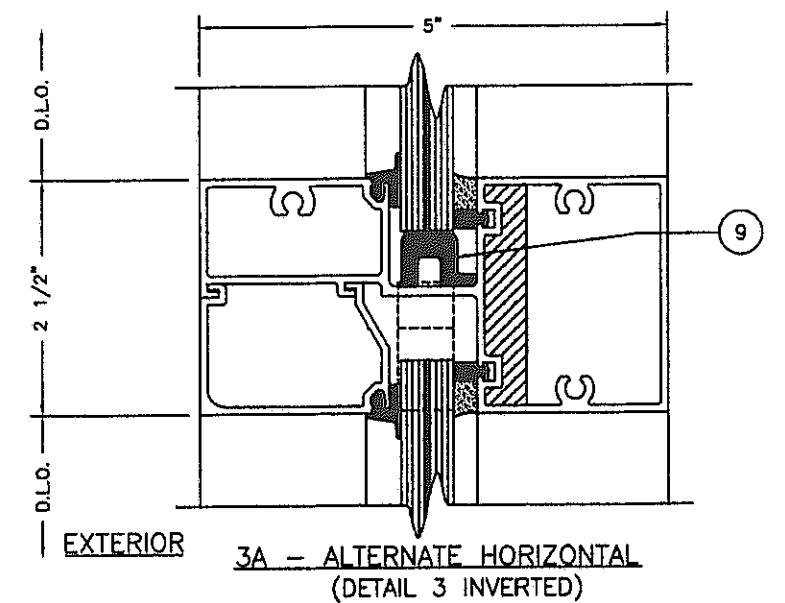
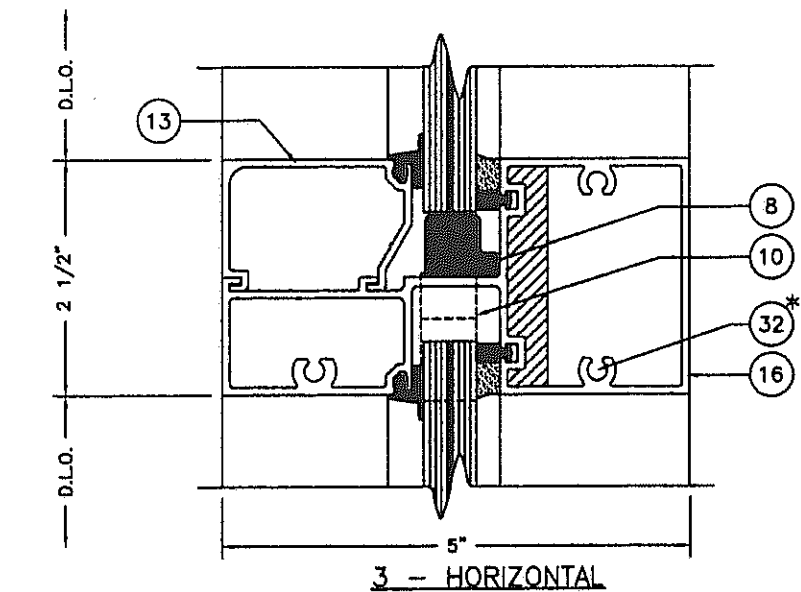
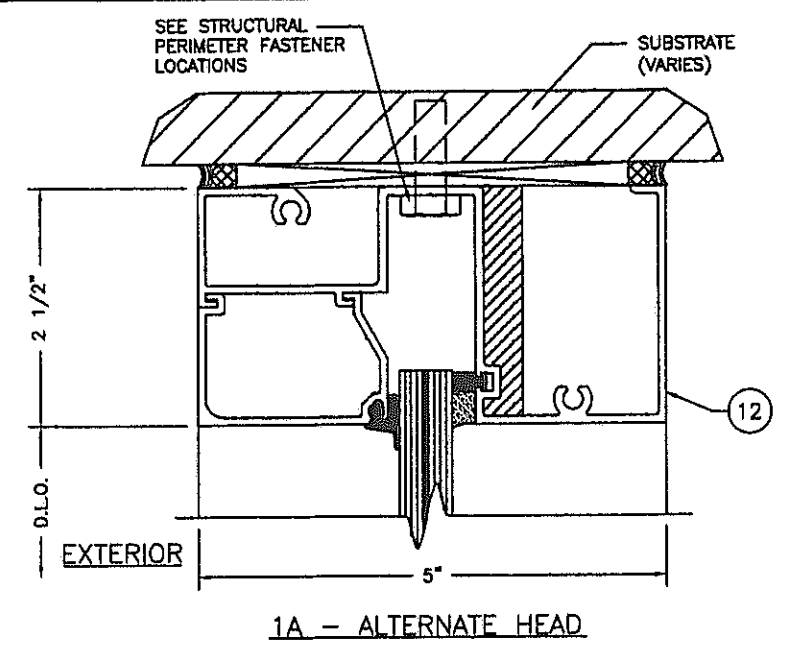
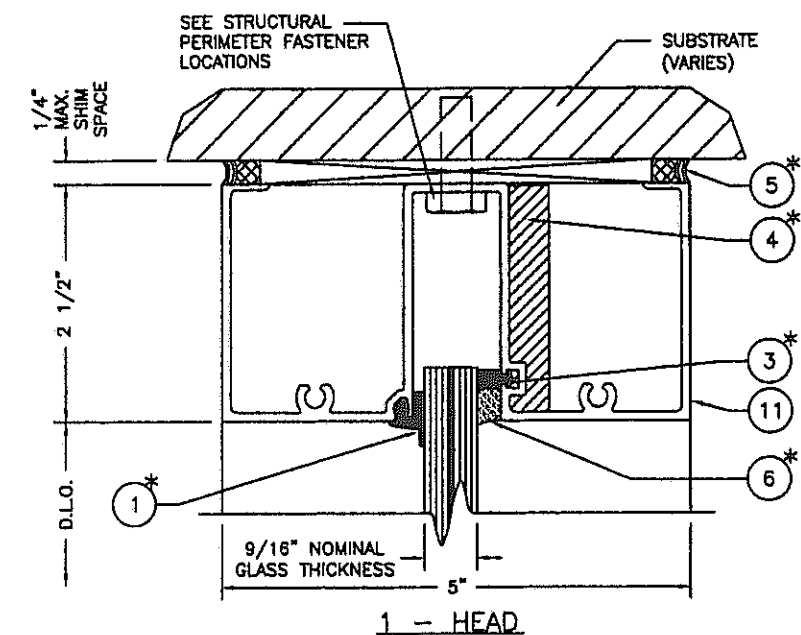
Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 800-443-8261

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

GLAZING SCHEDULE

DATE 1/8/2008
DRAWN PCH CHECKED JDW APPROVED JDW
PROJECT NO.
DRAWING NO. FL500_03
SHEET 7 OF 16

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL



NOTE: THE INTERIOR IS ON THE RIGHT OF VERTICAL SECTION CUTS UNLESS OTHERWISE NOTED

NON-STRUCTURAL FASTENERS LOCATE 1 EACH @ 24" FROM EACH END AND 1 EACH @ MID-POINT TO SECURE FLASHING UNTIL PERIMETER FASTENERS ARE INSTALLED. (CAP SEAL)

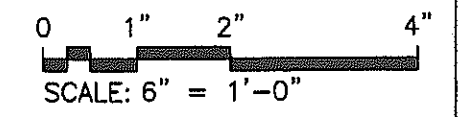
- 1 *TYPICAL EXTERIOR GASKET
- 3 *TYPICAL INTERIOR SPACER GASKET
- 4 *TYPICAL @ ALL JOINT INTERSECTIONS
- 5 *TYPICAL PERIMETER SEALANT
- 6 *TYPICAL INTERIOR SEALANT
- 10 *TYPICAL @ EACH END OF INTERM. HORIZ.
- 32 *TYPICAL @ ALL SPLINES

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
2/21/08

1/4" MAXIMUM SHIM SPACE TYPICAL AT PERIMETER UNLESS OTHERWISE NOTED

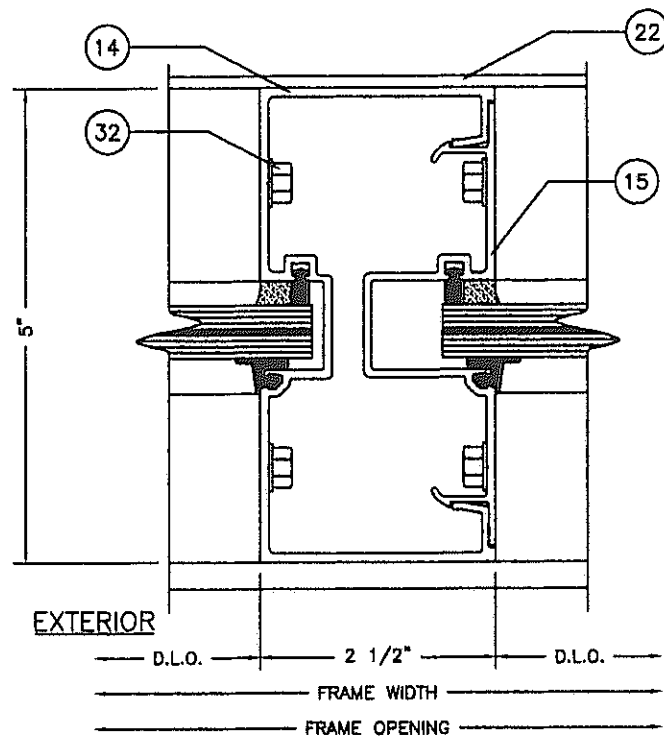


DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

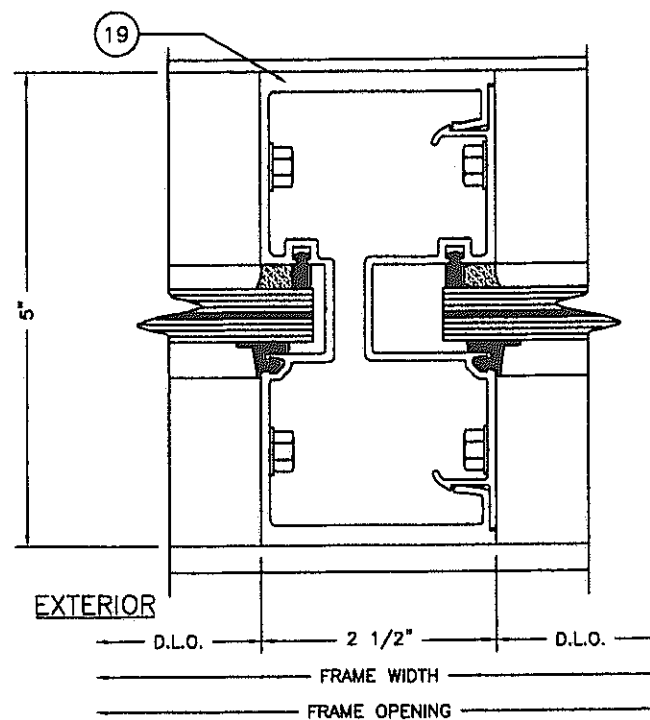
Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 800-443-6201

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203
FRAMING DETAILS

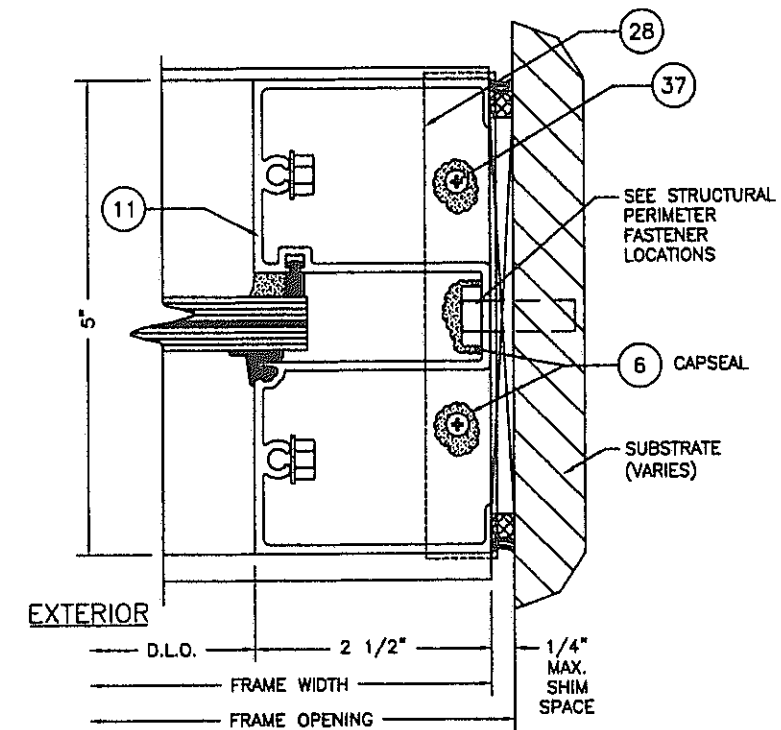
DATE	1/8/2008
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	FL500_03
SHEET	8 OF 16



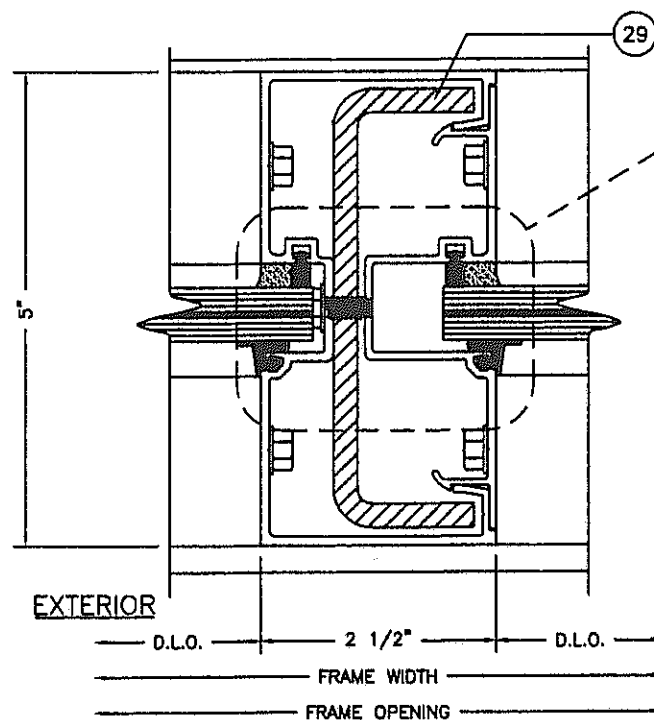
4 - LIGHT INTERM. VERTICAL



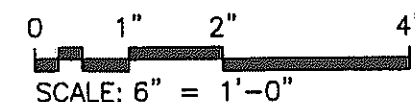
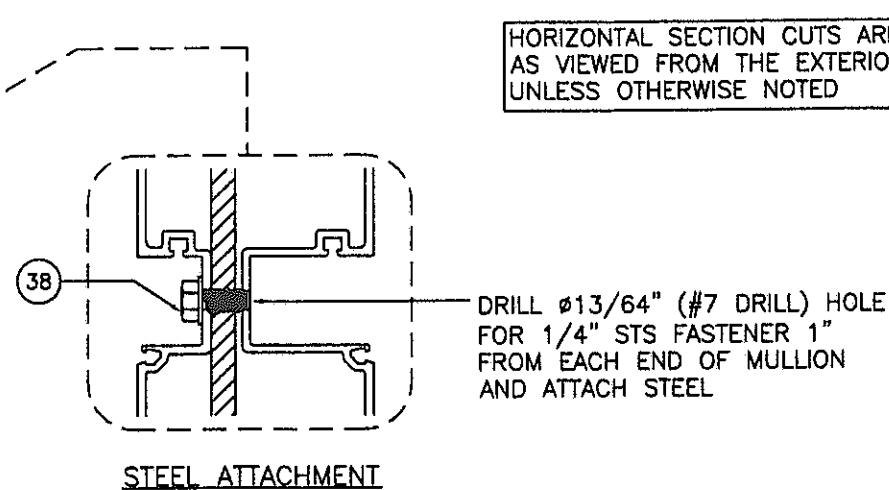
5 - HEAVY VERTICAL MULLION



6 - WALL JAMB



7 - LIGHT INTERM. VERTICAL WITH STEEL



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

Lewis A. Waldrop
2/21/08

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

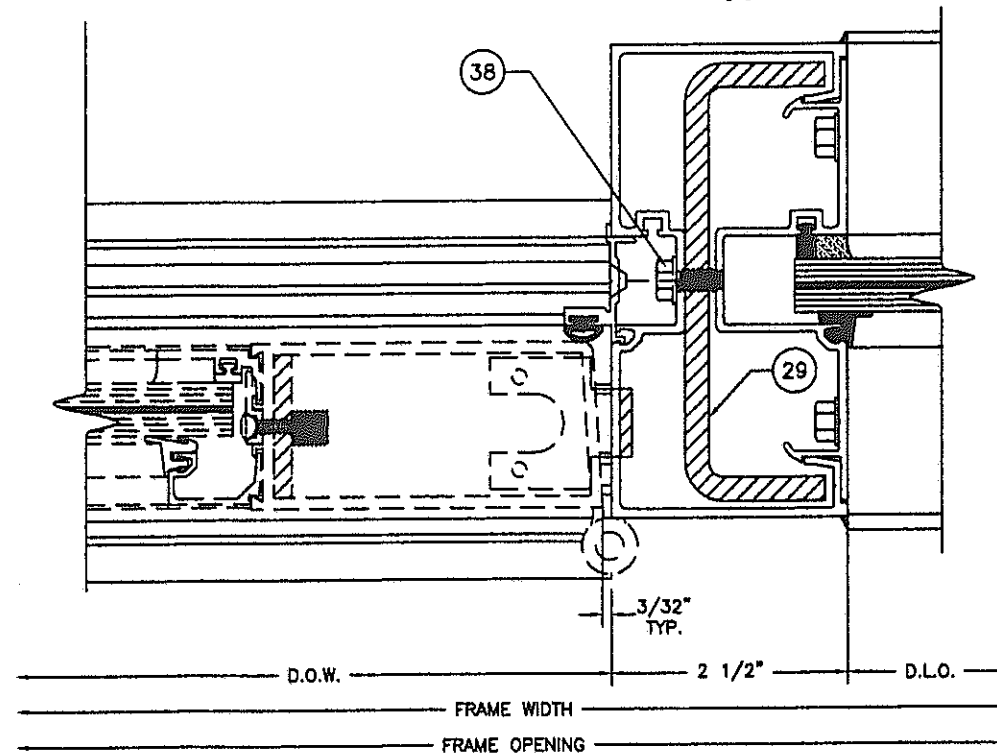
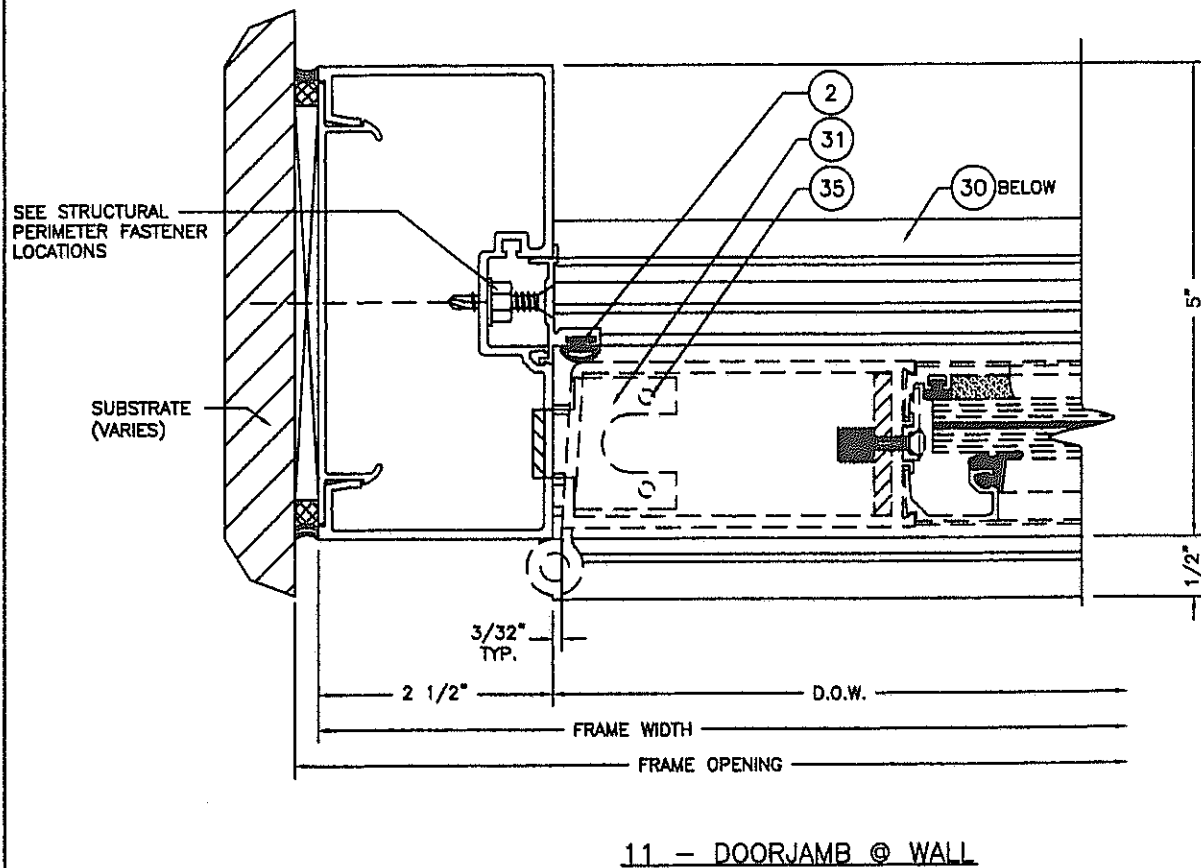
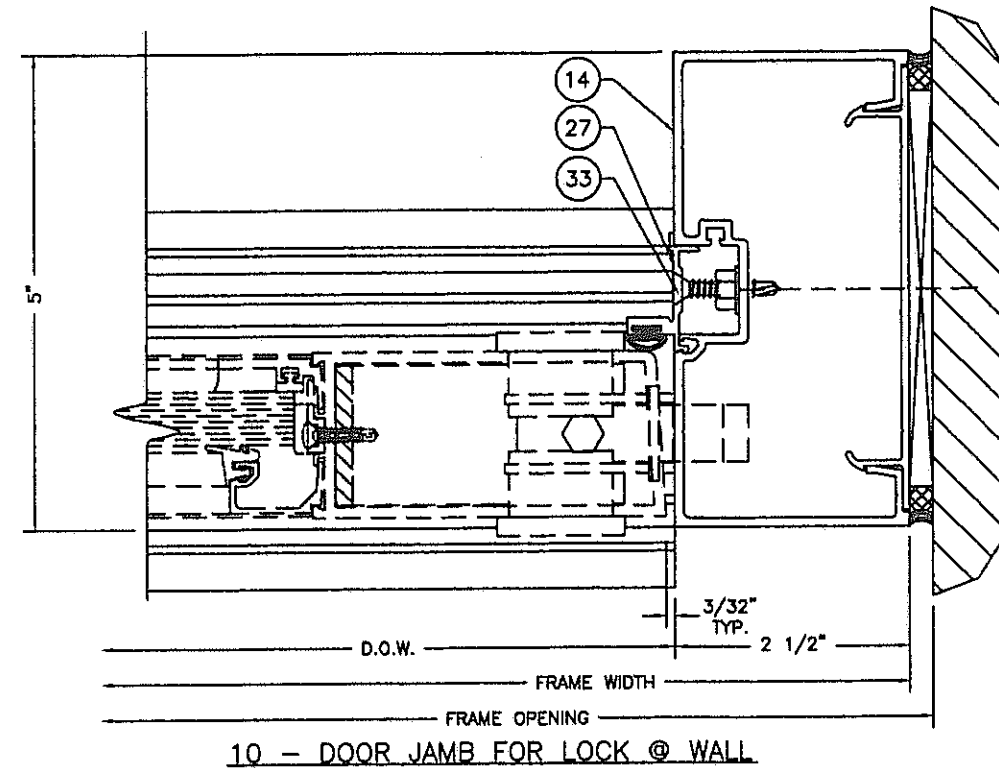
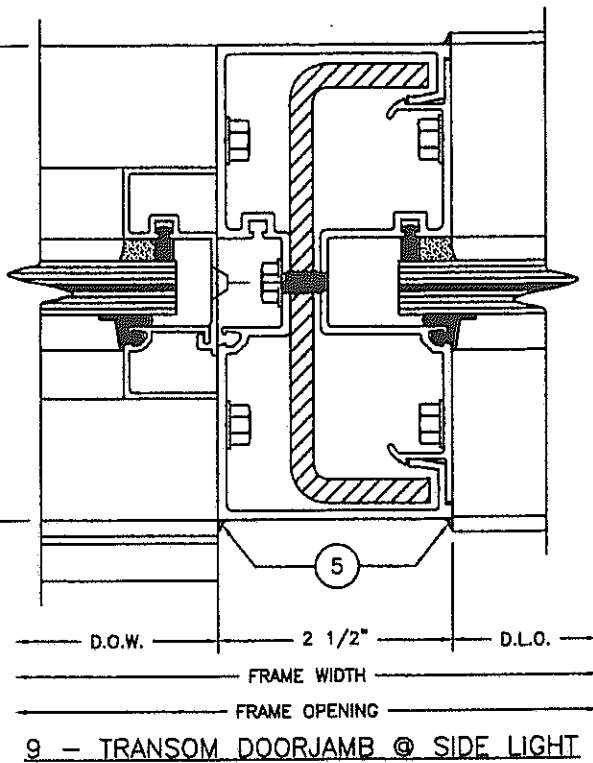
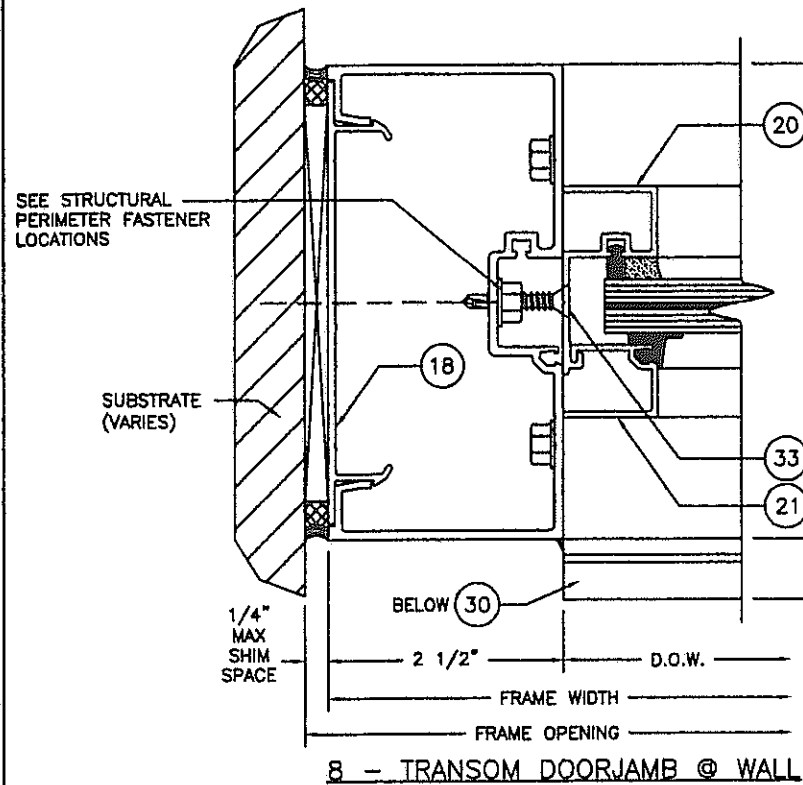
DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

FRAMING DETAILS

DATE	1/8/2008
DRAWN PCH	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	FL500_03
SHEET	9 OF 16

Conal
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 205-443-0231



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

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

L. Waldrop
2/21/05

0 1" 2" 4"
SCALE: 6" = 1'-0"

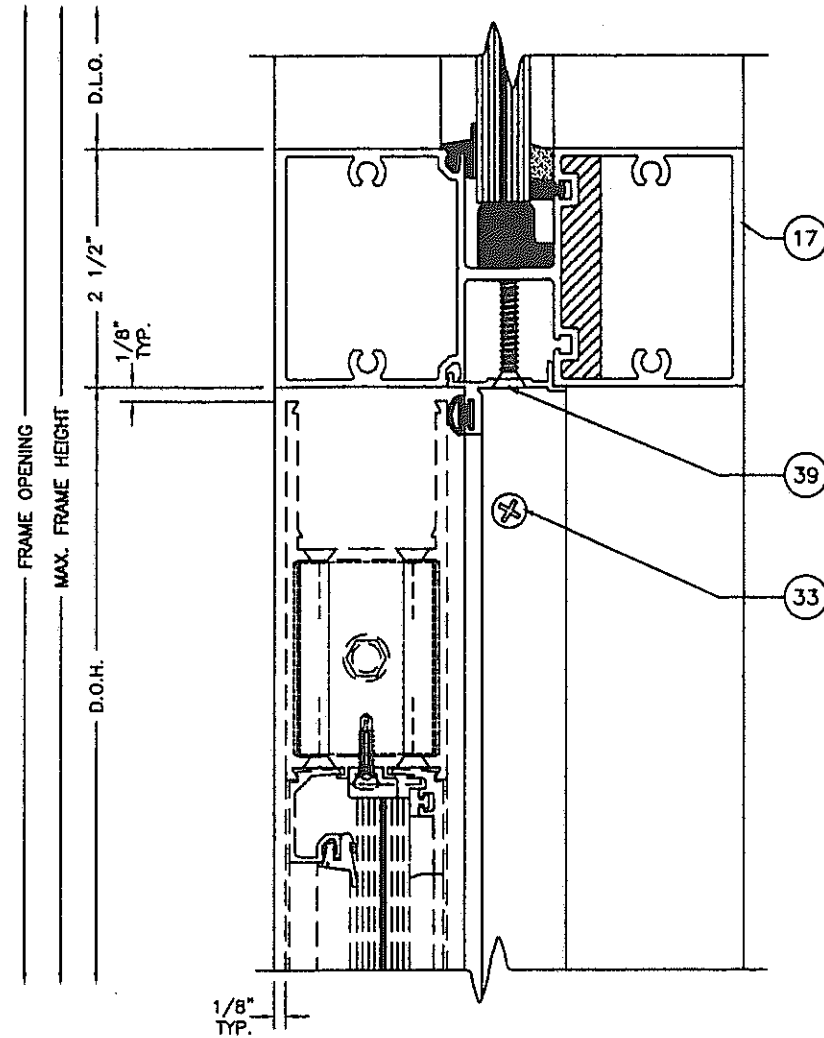
DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

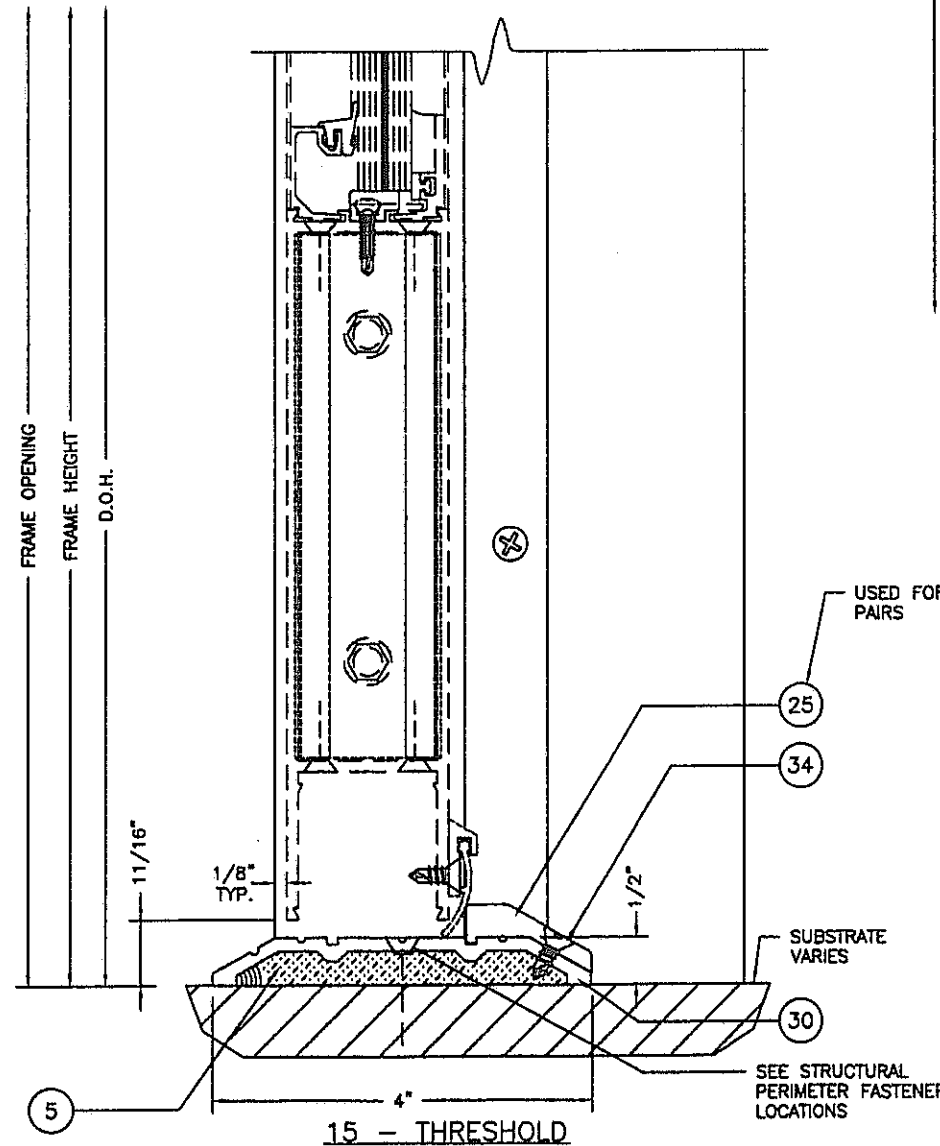
FRAMING DETAILS

DATE 1/8/2008		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO. .		
DRAWING NO. FL500_03		
SHEET 10 OF 16		

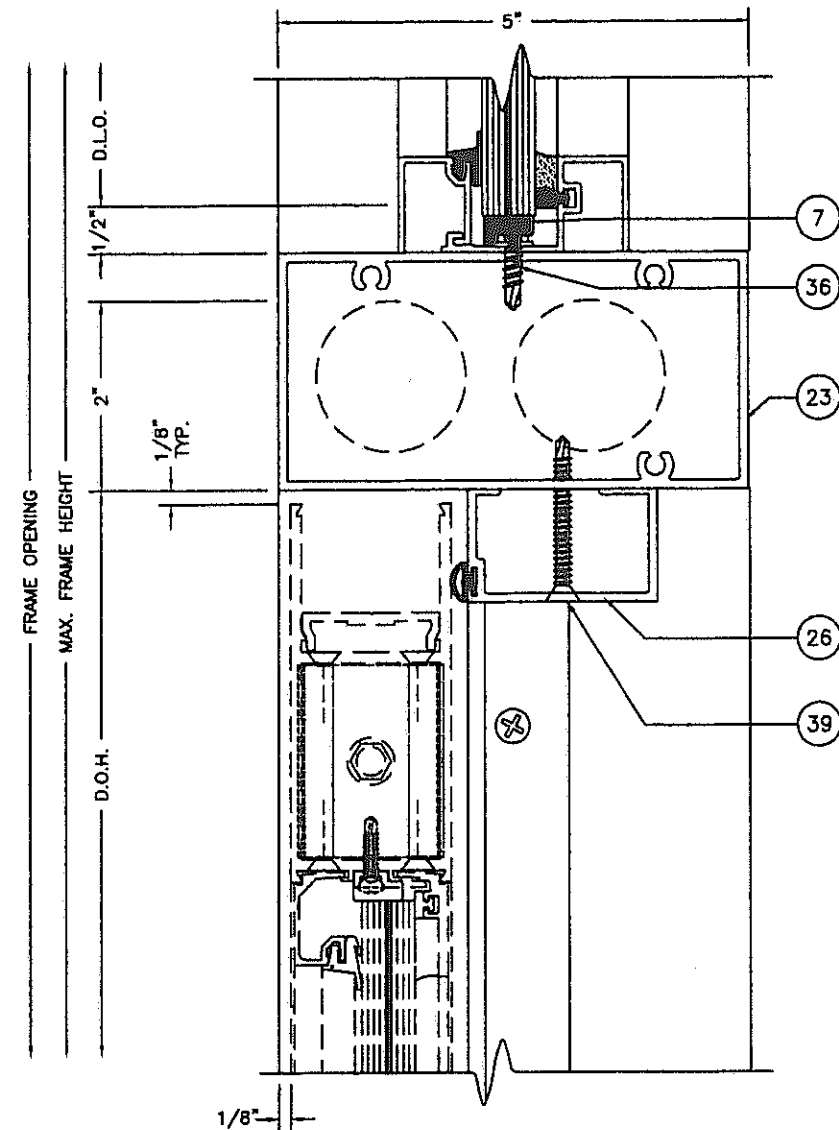
Coral
Architectural Products
3010 RICE WINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 205-343-6261



14 - TRANSOM BAR FOR S.A.C.



15 - THRESHOLD



16 - TRANSOM BAR WITH C.O.C. FOR OFFSET ARM

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
2/4/108

0 1" 2" 4"
SCALE: 6" = 1'-0"

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

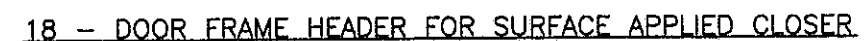
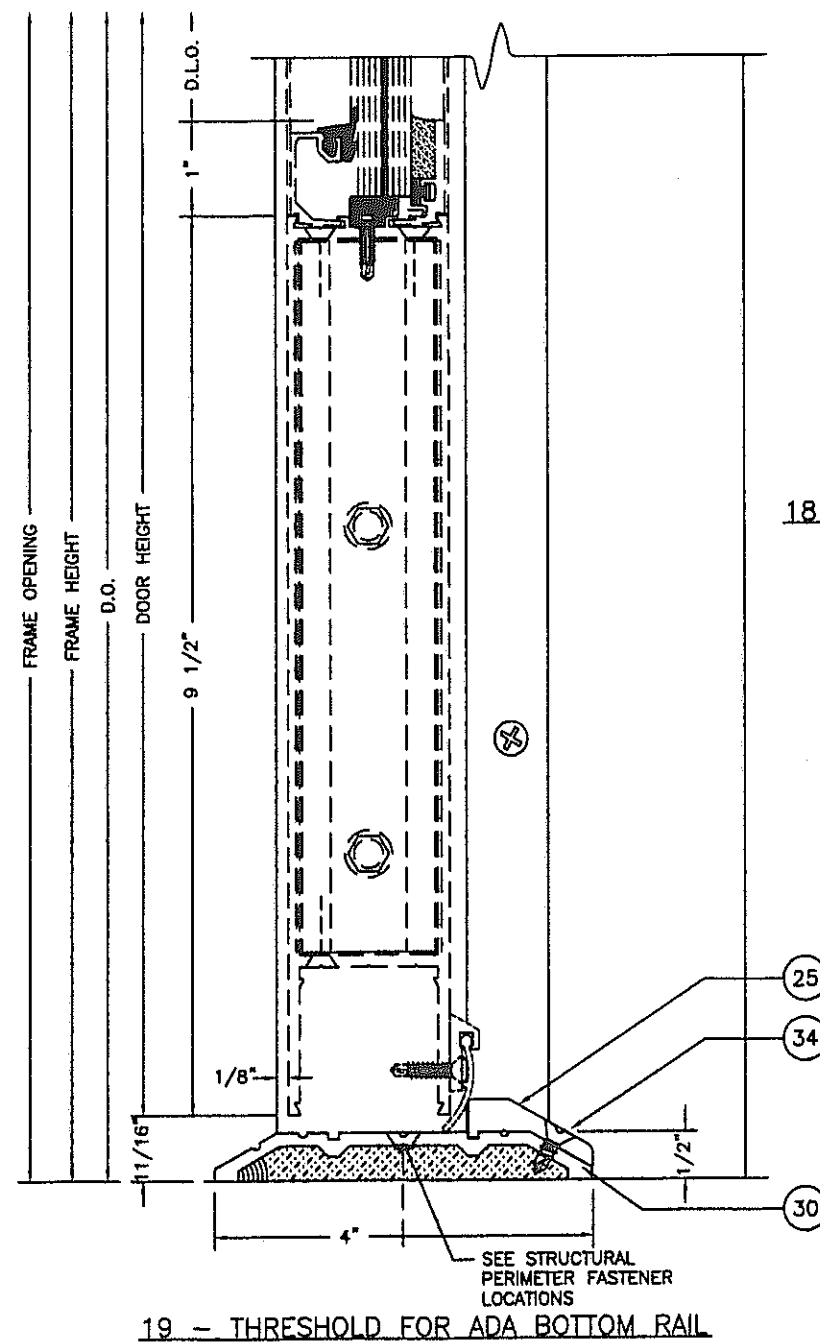
FRAMING DETAILS

DATE 1/8/2008		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. FL500_03		
SHEET 11 OF 16		

Conal
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-8281

DESCRIPTION

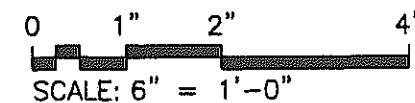
REV BY DATE



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

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

2/21/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

FRAMING DETAILS

DATE 1/8/2008		
DRAWN PGH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. FL500_03		
SHEET 12 OF 16		

Coral

▪ **Architectural Products** ▪

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

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	NG1	EXTERIOR GLAZING GASKET	0.120 SPACE	EPDM	VARIES	
2	NG5	BULB GASKET FOR (27)	0.260 SPACE	EPDM	VARIES	
3	NG14	INTERIOR SPACER GASKET	0.250 SPACE	EPDM	VARIES	
4	SM5601	JOINT SEALANT TAPE	0.500 X 0.125 X VARIES	BUTYL	SCHNEE-MOOREHEAD	
5	795	SILICONE - PERIMETER SEALANT	FILL SPACE	SILICONE	DOW CORNING	USED @ PERIMETER
6	995	SILICONE - GLASS TO METAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL AND INTERNAL
7	SB11	SETTING BLOCK @ TRANSOM SASH	0.313 X 1.250 X 4.000	EPDM	VARIES	2 PER LITE
8	SB13	SETTING BLOCK @ SILL & HORIZONTAL	0.313 X 1.250 X 4.000	EPDM	VARIES	2 PER LITE
9	SB20	SETTING BLOCK @ INVERTED HORIZONTAL	0.800 X 0.548 X 4.000	EPDM	VARIES	2 PER LITE
10	WD200-1	WATER DIVERTER	1.358 X 0.594 X 0.050	INJECTION MOLDED PLASTIC	CORAL INDUSTRIES, INC.	@ EACH END OF INTERM. HORIZONTAL
11	FL501	HEAD OR WALL JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
12	FL502	SILL OR HEAD	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
13	FL503	GLASS STOP	1.250 X 2.021 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
14	FL504	STD. VERTICAL MULLION/DOORJAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	FL505	OPEN BACK MULLION FILLER	0.681 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	FL506	INTERMEDIATE HORIZONTAL	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	FL507	DOOR HEADER FOR SURFACE MOUNTED CLOSER	2.000 X 5.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	FL515	FLAT FILLER AT DOORJAMB	0.681 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	RUNS FULL LENGTH OF DOORJAMB AT WALL
19	FL516	HEAVY VERTICAL MULLION	2.500 X 5.000 X 0.213	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
20	FL517	TRANSOM SASH	1.000 X 1.918 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
21	FL518	TRANSOM GLASS STOP	1.000 X 0.767 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
22	FL519	SUBSILL FLASHING	2.620 X 5.402 X 0.084	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
23	FL562	DOOR HEADER FOR C.O.C.	2.500 X 4.980 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
24	GS500-1	SETTING CHAIR	1.156 X 0.844 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
25	DP200-1	PANIC DOORSTOP AT PAIRS	0.402 X 1.323 X 0.188	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
26	DS202-1	DOORFRAME -OFFSET ARM COVER	1.188 X 2.000 X 0.090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	RUNS FULL LENGTH OF DOORJAMB @ WALL
27	DS500	DOORSTOP	0.648 X 1.260 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
28	ED519-1	SILL FLASHING END DAM	2.500 X 1.000 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
29	SR504	STEEL REINFORCEMENT	4.562 X 1.250 X 0.250	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (14)
30	TH4	THRESHOLD	0.500 X 4.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
31	TH403	THRESHOLD CLIP	1.900 X 1.909 X 0.126	STEEL	VARIES	
32	AS16	FASTENER	#14 X 1 HHSTS	STEEL	VARIES	TYP. SPLINE SCREW VERTICAL/HORIZONTAL JOINTS
33	AS18	FASTENER	#10 X 1-1/4" FHP	S. STEEL	VARIES	ATTACH (27) TO (14) / ATTACH (21) TO (14)
34	AS20	FASTENER	#10-16 X 1/2" FHP	STEEL	VARIES	ATTACH (25) TO (30)
35	AS24	FASTENER	#10-24 X 3/8 FHP	STEEL	VARIES	ATTACH (31) TO (14) AND (30)
36	AS25	FASTENER	#12 X 3/4" HWH	STEEL	VARIES	ATTACH (21) TO (23)
37	AS31	FASTENER	#6 X 3/8" PPH	S. STEEL	VARIES	ATTACH (28) TO (22)
38	AS38	FASTENER	#10-24 X 3/8 HH	STEEL	VARIES	ATTACH (28) TO (14)
39	AS39	FASTENER	#10 X 1-3/4" FHP S.D.	S. STEEL	VARIES	ATTACH (27) TO (17) / ATTACH (28) TO (18)
43	FASTENER	FOR ANCHORING (22) TO WOOD SUBSTRATE	#12 X 2" FHP WOOD SCREW	STEEL	VARIES	NON-STRUCTURAL
44	FASTENER	FOR ANCHORING (22) TO STEEL SUBSTRATE	#12 X 1-1/2" FHP TEK	STEEL	VARIES	NON-STRUCTURAL
45	FASTENER	FOR ANCHORING (22) TO CONCRETE SUBSTRATE	#12 X 2" FHP TAPCON	STEEL	VARIES	NON-STRUCTURAL

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

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

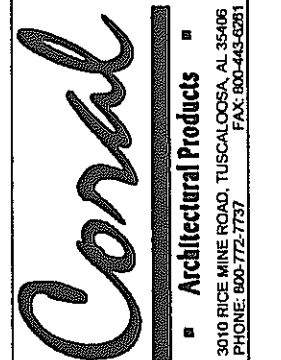
Lewis A. Waldrop
2/27/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM

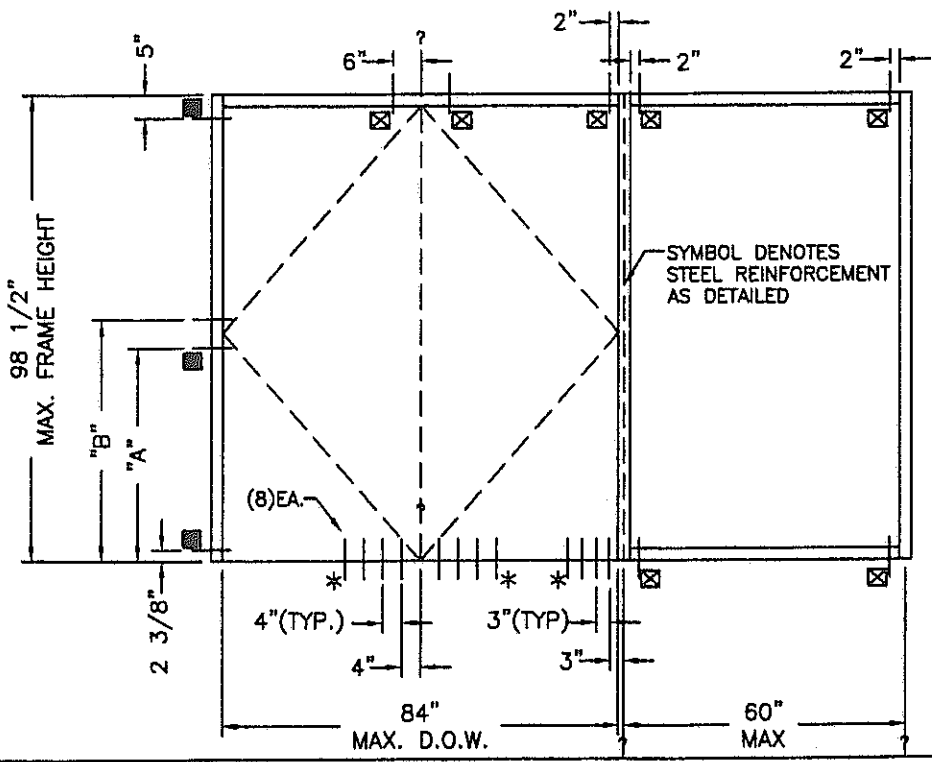
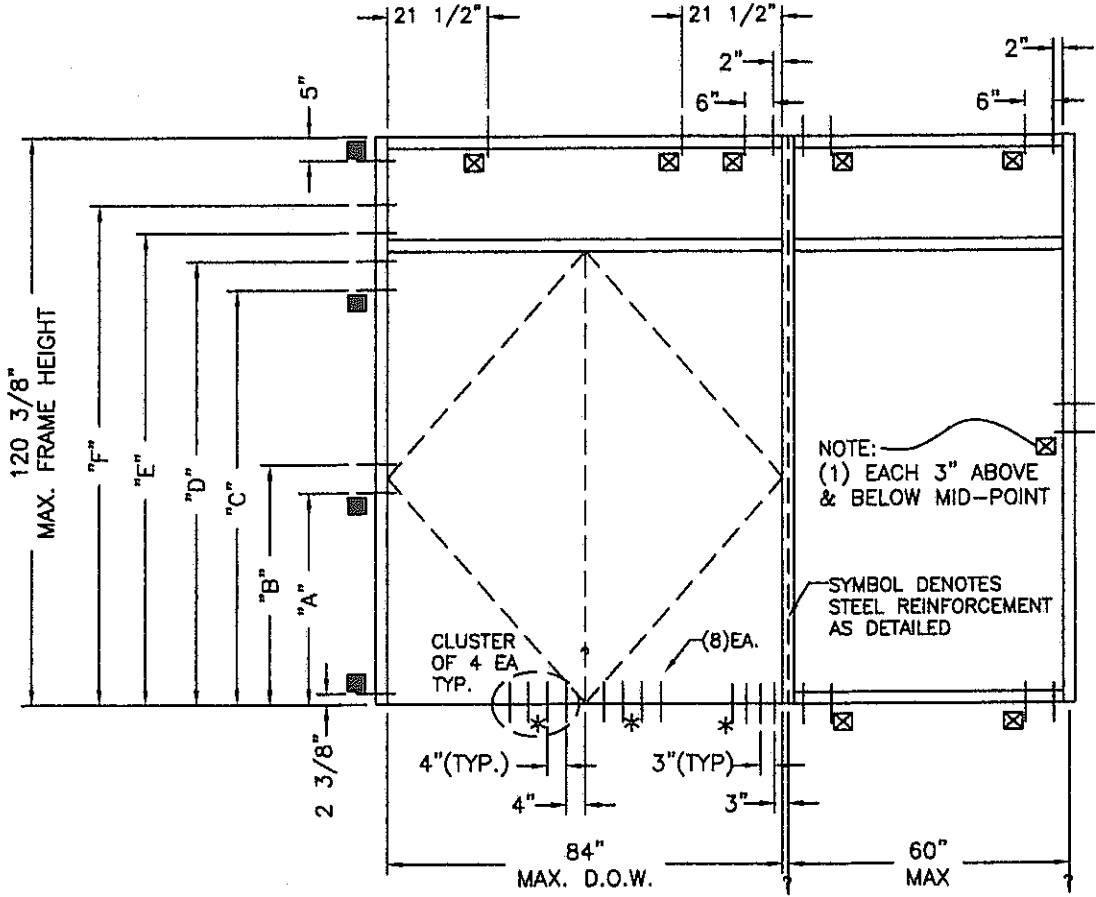
BILL OF MATERIALS

DATE	1/8/2008	
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO.	FL500_03	
SHEET	13 OF 16	

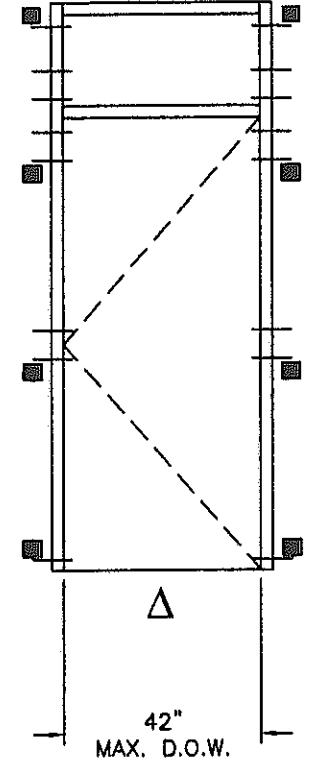
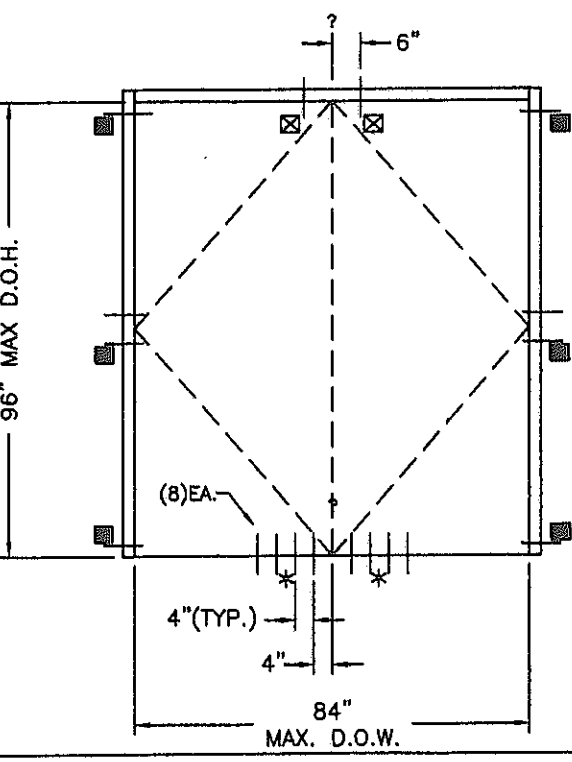
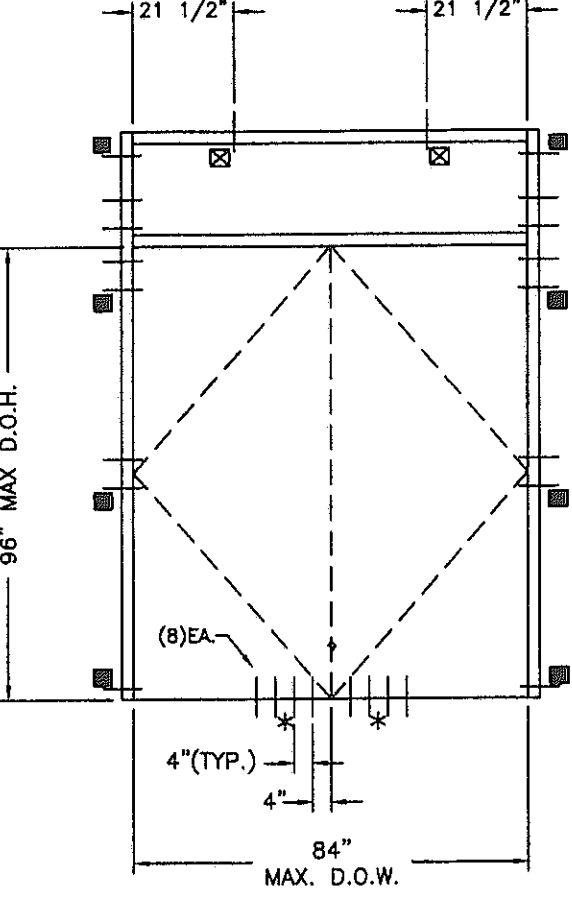


PERIMETER FASTENER LOCATIONS

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



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: 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" TAPCON	
3" MIN. SPACING @ 1/4" TAPCON	

MAXIMUM DESIGN PRESSURE
+70/-80 PSF

NOTES:
Δ = STRUCTURAL FASTENERS NOT REQUIRED AT THRESHOLD.

LEGEND
⊖ ⊕ EACH LINE REPRESENTS ONE FASTENER

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

L. Waldrop
2/21/08

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

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

DESCRIPTION

REV

BY

DATE

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

DATE

1/8/2008

DRAWN

PCH

CHECKED

JDW

APPROVED

JDW

PROJECT NO.

DRAWING NO.

FL500_03

SHEET

14 OF 16

Coral

Architectural Products

3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE 305-772-7737 FAX 305-443-0251

PRODUCT APPROVAL DRAWINGS

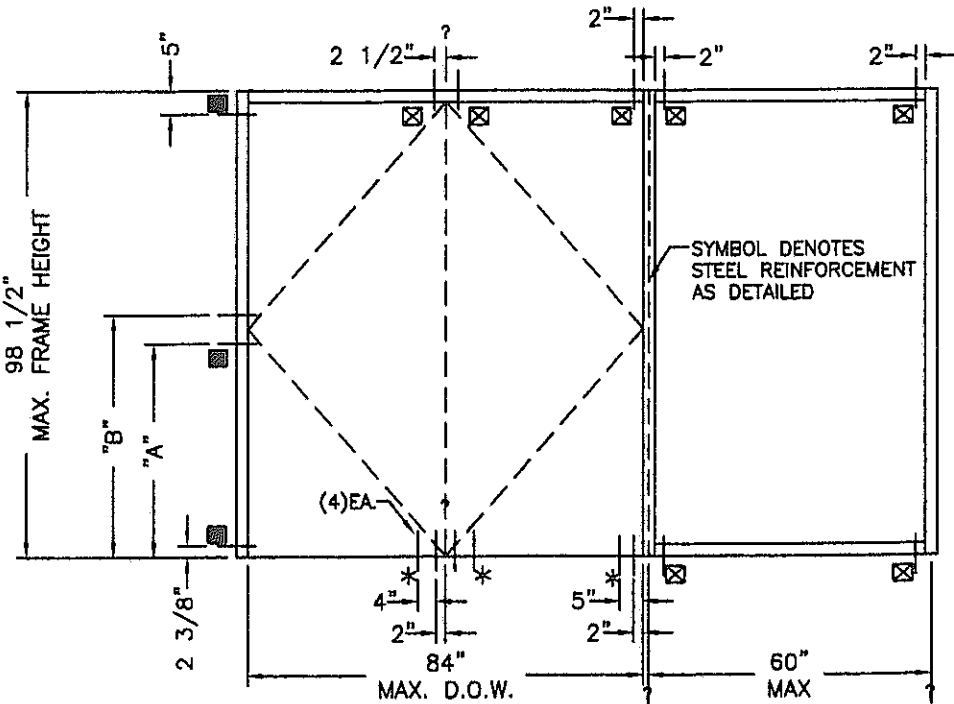
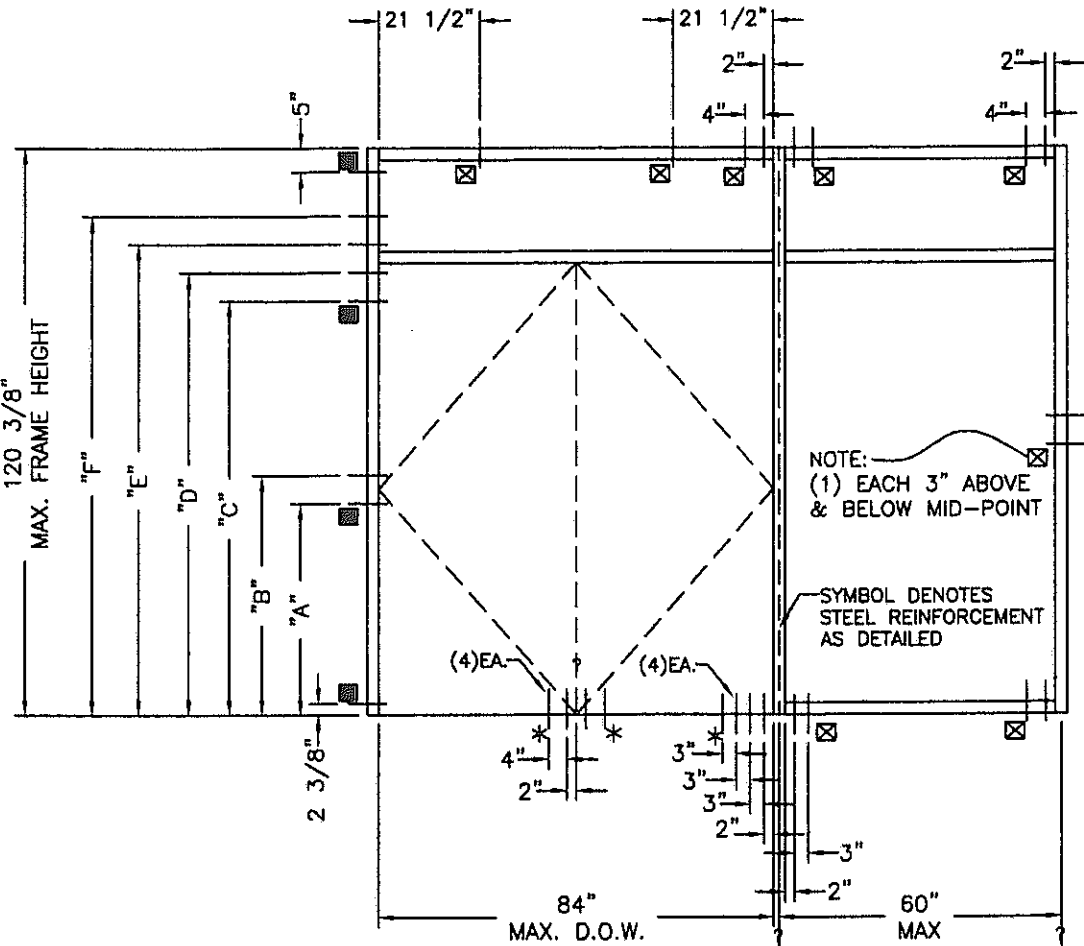
FL500 WINDOW WALL SYSTEM

DOORFRAMES

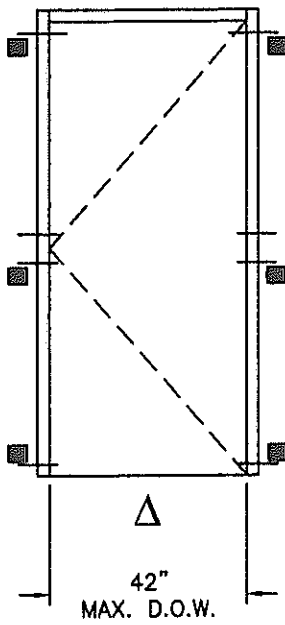
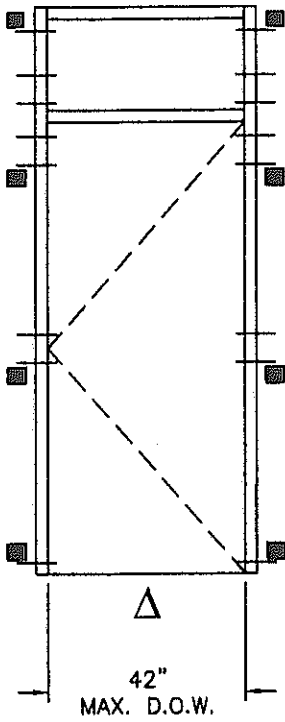
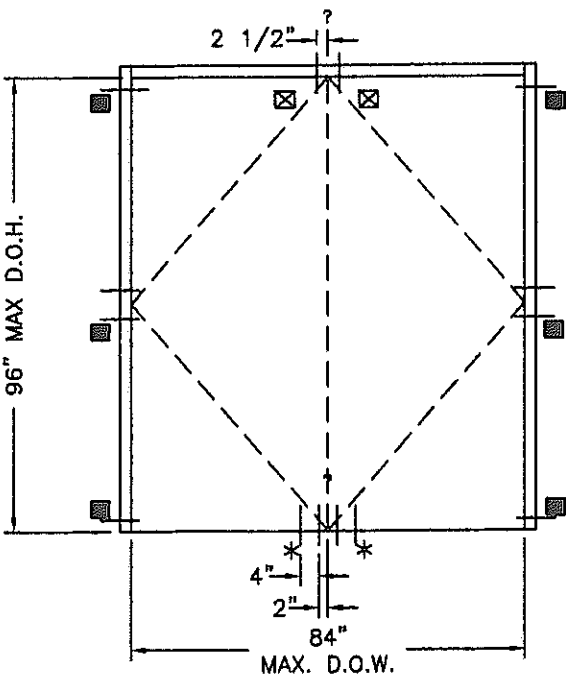
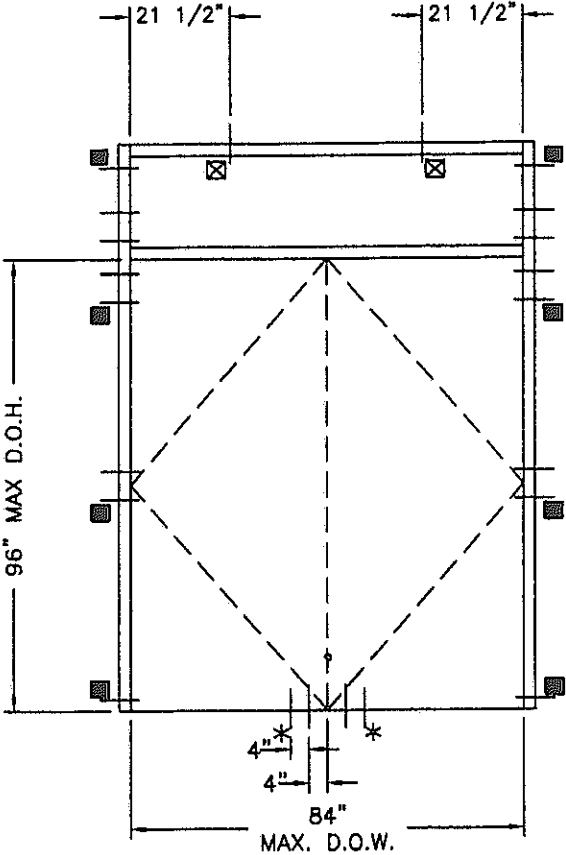
PERIMETER FASTENER LOCATIONS

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"
96"	45"	51"	88"	94"	100"	106"



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
+70/-80 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
2/21/18

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

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS FL500 WINDOW WALL SYSTEM DOORFRAMES	
PERIMETER FASTENER LOCATIONS	
DATE 1/8/2008	DRAWN PCH
CHECKED JDW	APPROVED JDW
PROJECT NO.	
DRAWING NO. FL500_03	
SHEET 15 OF 16	

Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-9261

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"
96"	45"	48"	51"	90"	92"	94"	100"	102"	104"

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
+70/-80 PSF

Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.

⊖ ⊕ EACH LINE REPRESENTS
ONE FASTENER

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

2/21/08

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

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
DOORFRAMES

PERIMETER FASTENER LOCATIONS

DATE 1/8/2008		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. FL500_03		
SHEET 16 OF 16		

Coral

▪ Architectural Products

3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-443-5281
FAX: 800-772-7737