

# PRODUCT APPROVAL FOR PW251.5.5 CURTAIN WALL SYSTEM

**GENERAL NOTES:**

**TEST STANDARDS:**

AIR – ASTM E283  
 WATER – ASTM E331  
 STATIC – ASTM E330/TAS202  
 AAMA 501-15  
 WATER INFILTRATION – 20 PSF  
 AIR INFILTRATION – 6.27 PSF

TYPICAL GLASS BITE 1/2" UNLESS NOTED OTHERWISE.

1/2" MINIMUM SHIM SPACE @ PERIMETER UNLESS NOTED OTHERWISE.

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


THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH CURRENT FLORIDA BUILDING CODE. THIS PRODUCT IS NOT APPROVED FOR USE IN HIGH VELOCITY HURRICANE ZONES OR OR WIND-BORNE DEBRIS REGIONS.

SERIES 213/380/500 DOORS ARE UNDER SEPARATE APPROVAL. SERIES 213 SHOWN FOR CLARITY

**ABBREVIATIONS:**

DIA. = DIAMETER  
 D.L.O. = DAY LIGHT OPENING  
 EXT. = EXTERIOR  
 ELEVS. = ELEVATIONS  
 INT. = INTERIOR  
 MAX. = MAXIMUM  
 MIN. = MINIMUM  
 O.C. = ON CENTER  
 OPP. = OPPOSITE  
 TYP. = TYPICAL

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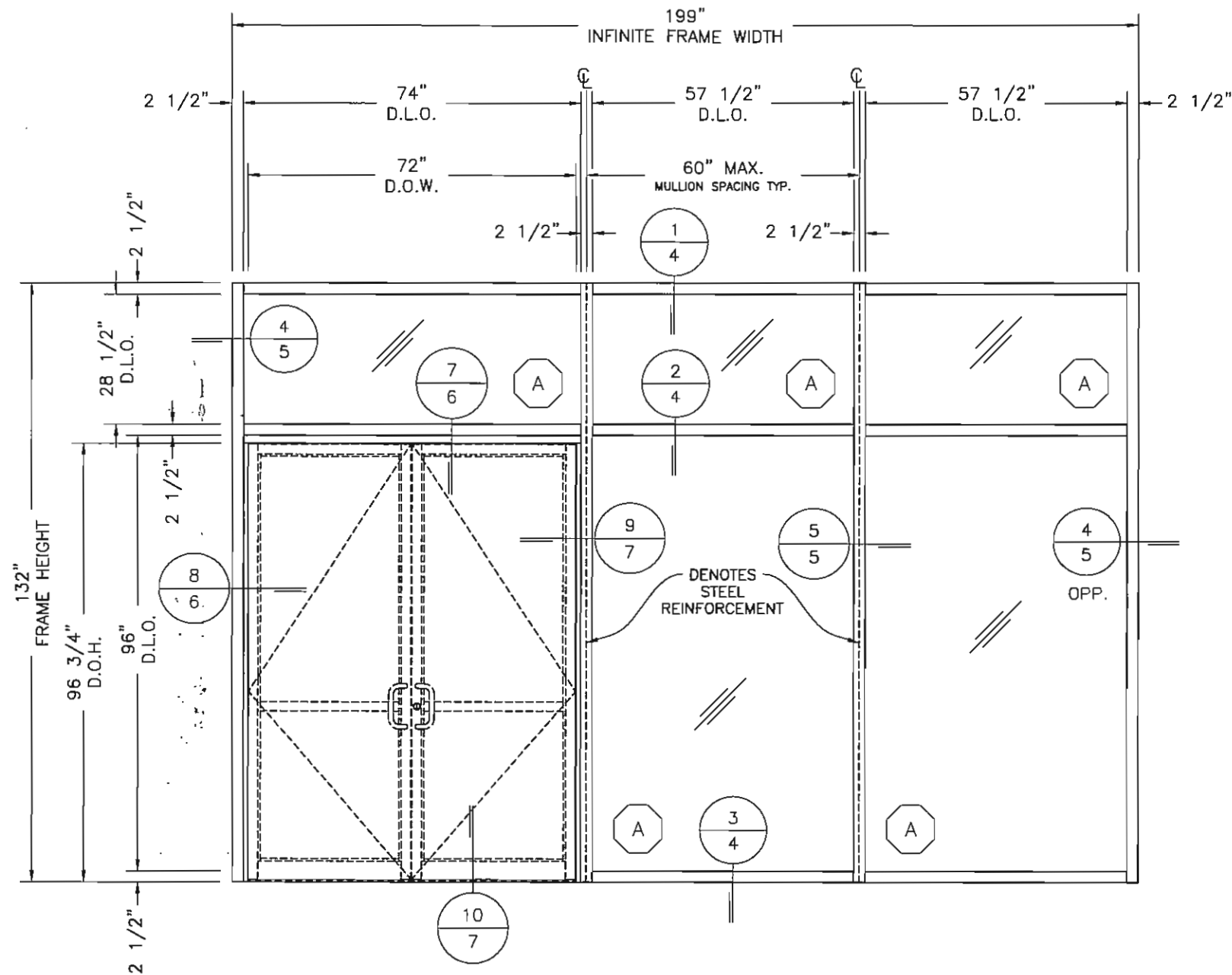
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 PRODUCT APPROVAL

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PROJECT NO.		
DRAWING NO. <b>PW251.5.5</b>		
SHEET 1 OF 14		

PRODUCT APPROVAL FOR  
 PW251.5.5 CURTAIN WALL SYSTEM  
 INDEX TO DRAWINGS AND NOTES

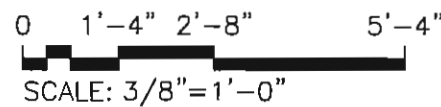
  
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**ELEVATION E1  
TYPICAL CAPTURED MULLION**

NOTES:  
DESIGN PRESSURE = +35/-35 PSF  
FBC NON-HVHZ



STATE OF  
*Elizabeth A. Broadway*  
ELIZABETH A. BROADWAY  
PROFESSIONAL ENGINEER  
FLORIDA REGISTRATION NO. 38558  
7/5/17

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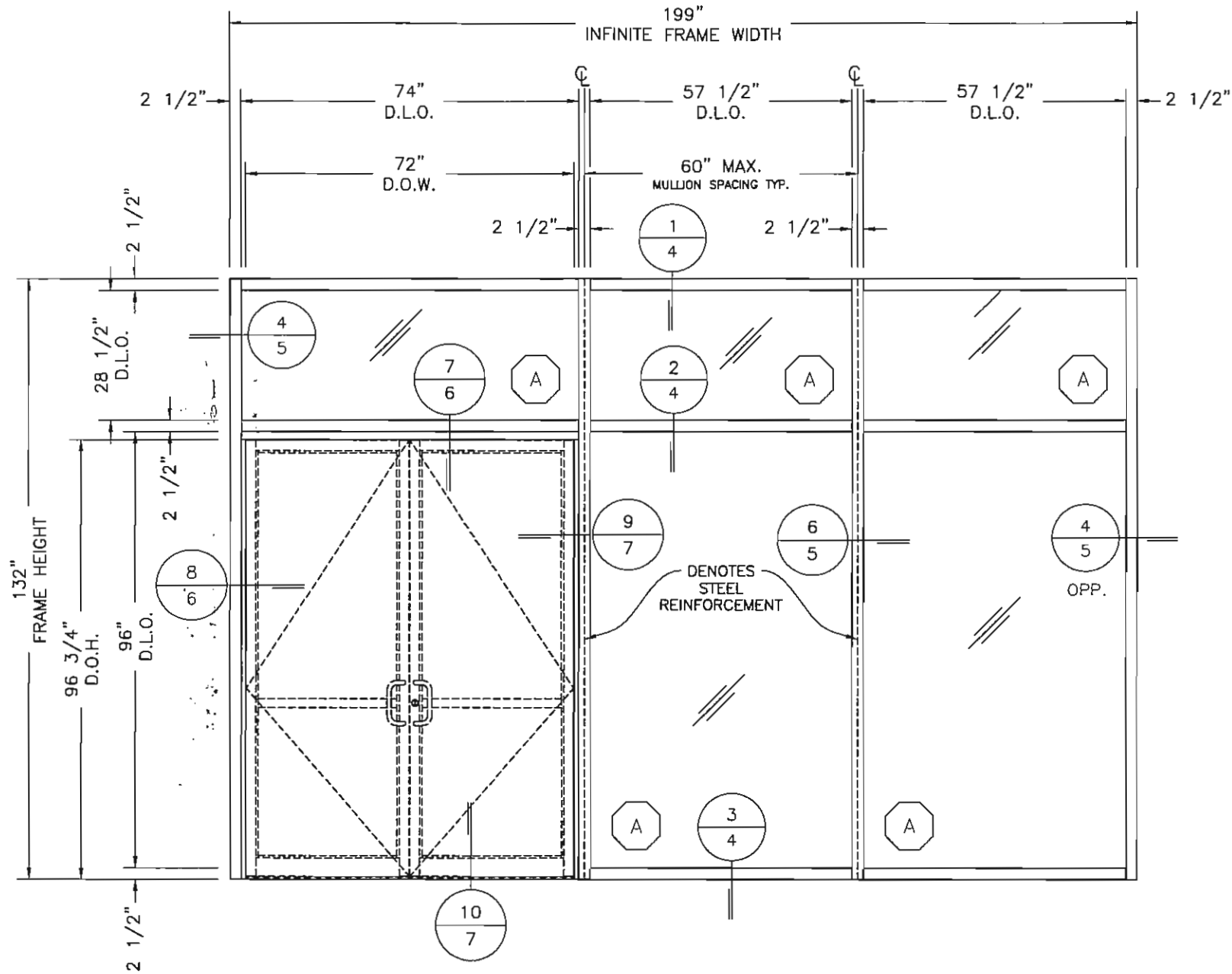
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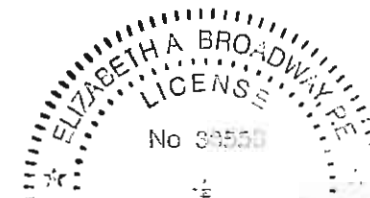
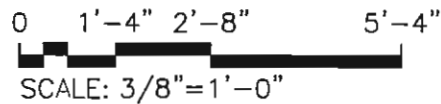
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PW251.5.5 CURTAIN WALL SYSTEM  
FRAMING ELEVATION - E1

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**ELEVATION E2  
TYPICAL SSG MULLION**

**NOTES:**  
DESIGN PRESSURE = +35/-35 PSF  
FBC NON-HVHZ



STATE OF  
*Elizabeth A. Broadway*  
ELIZABETH A. BROADWAY  
PROFESSIONAL ENGINEER  
FLORIDA REGISTRATION NO. 38558

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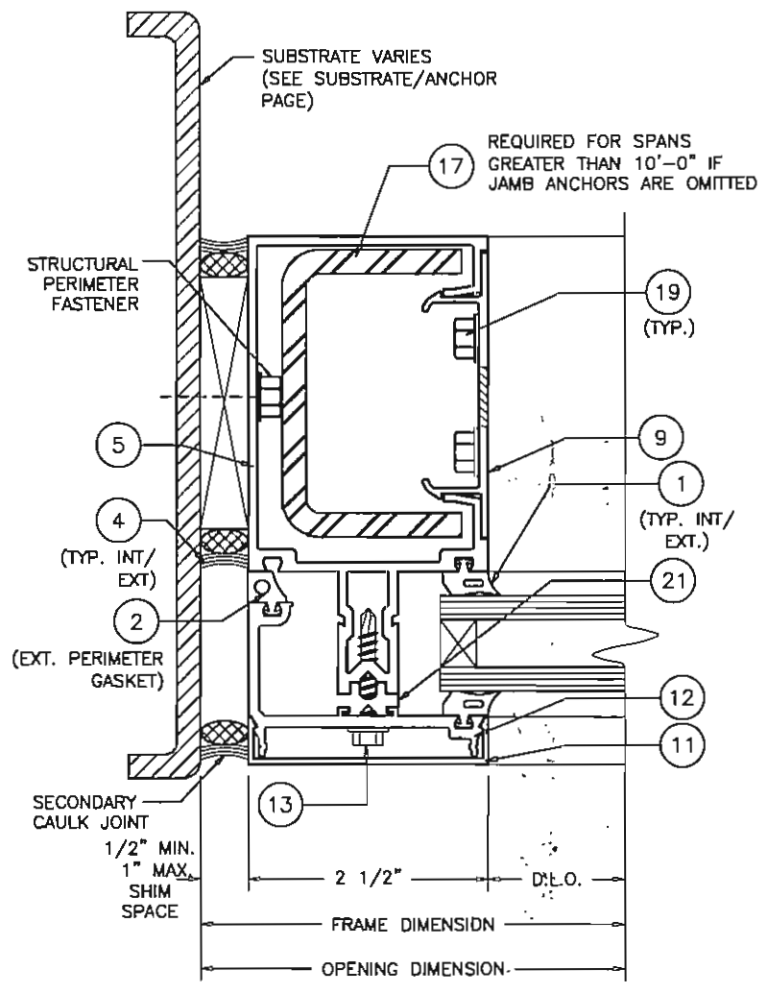
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FRAMING ELEVATION - E2

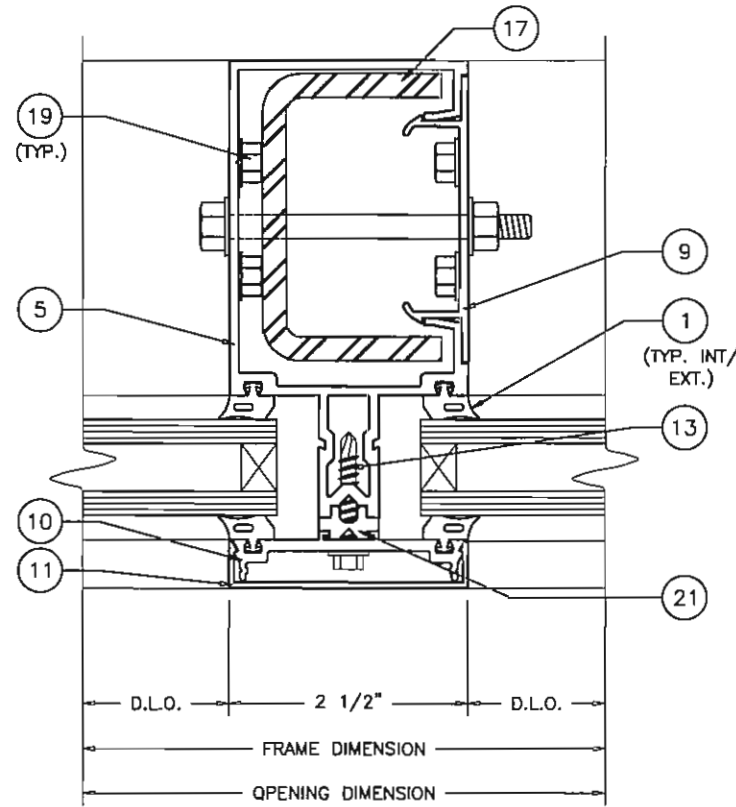
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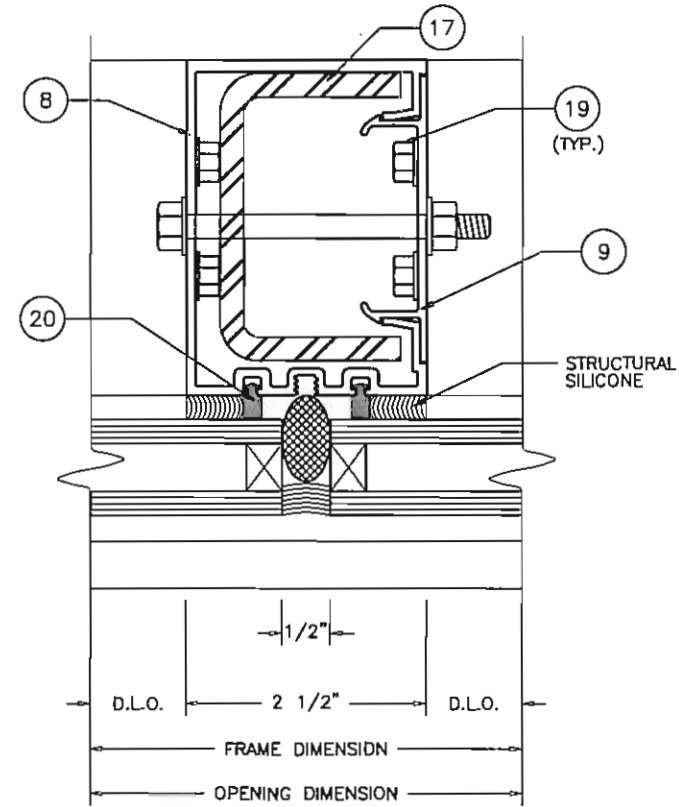




4 JAMB  
5 SCALE: 1:2



5 VERTICAL W/STEEL - DRY GLAZE  
5 SCALE: 1:2



6 VERTICAL W/STEEL - WET GLAZE  
5 SCALE: 1:2



STATE OF FLORIDA  
ELIZABETH A. BROADWAY  
PROFESSIONAL ENGINEER  
FLORIDA REGISTRATION NO. 38558  
7/5/17

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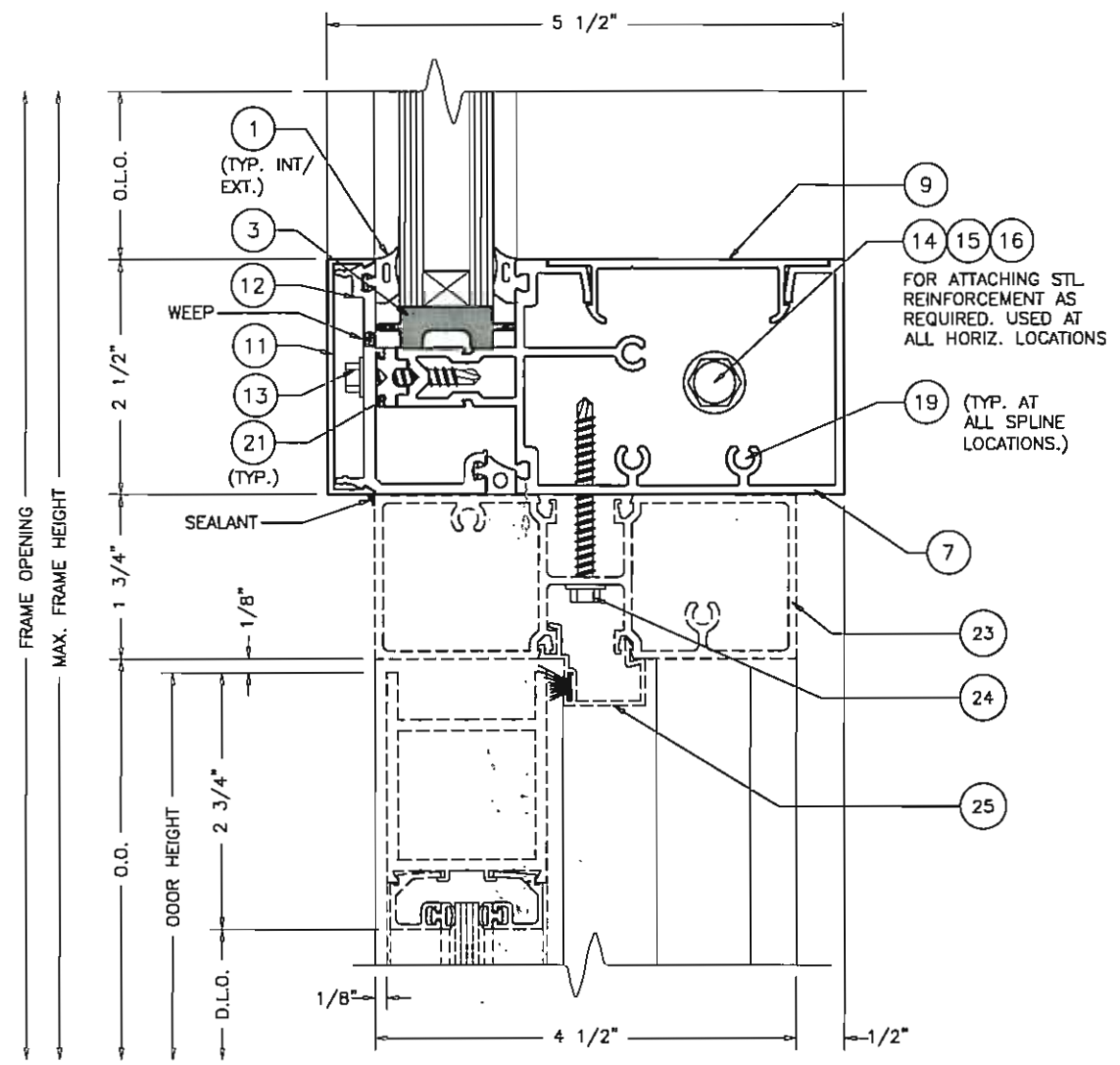
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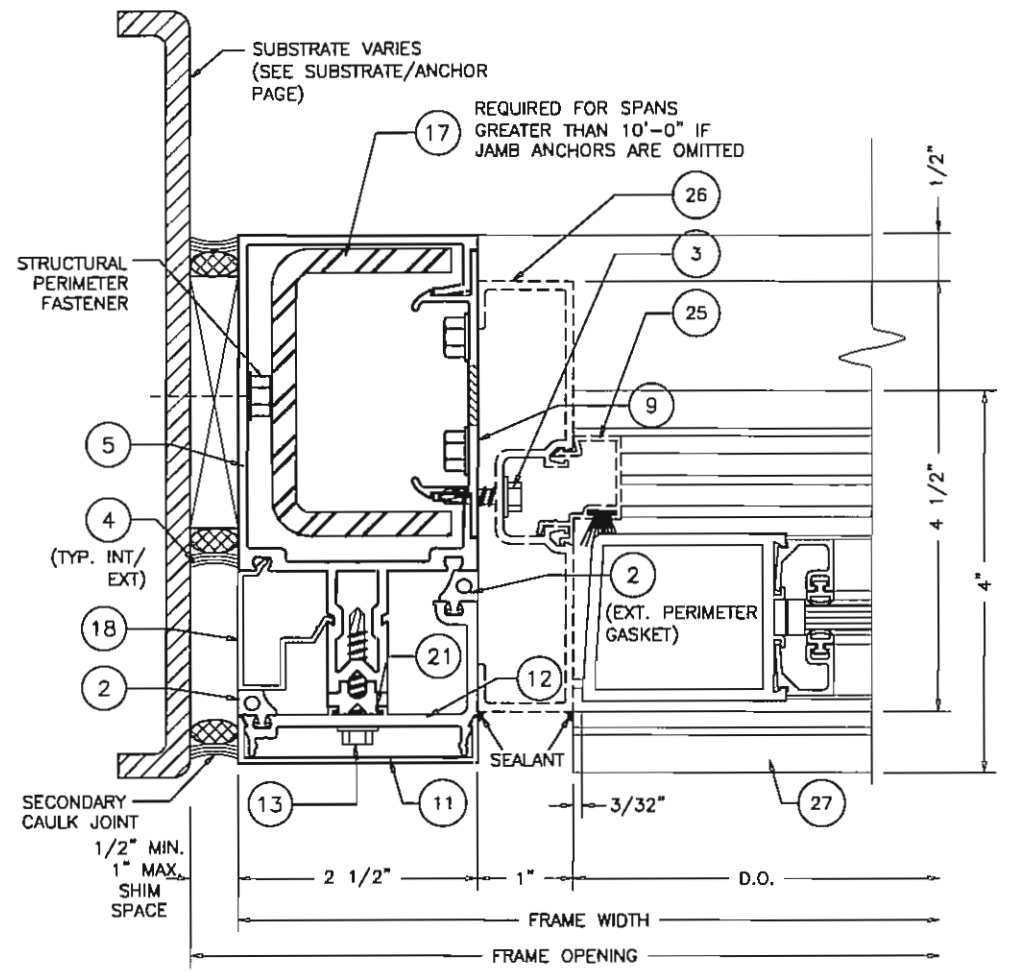
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**7** TRANSON  
**6** SCALE: 1:2



**8** JAMB @ DOOR  
**6** SCALE: 1:2



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 ELIZABETH A. BROADWAY  
 PROFESSIONAL ENGINEER  
 FLORIDA REGISTRATION NO. 38556  
 7/5/17

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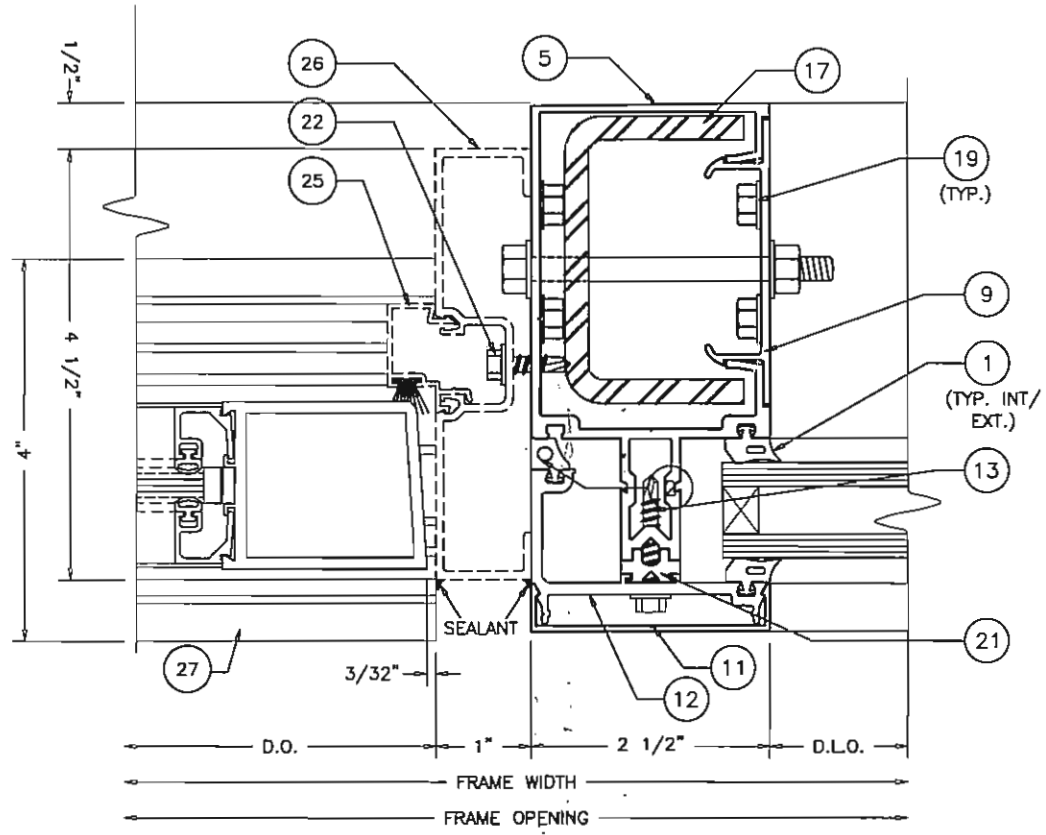
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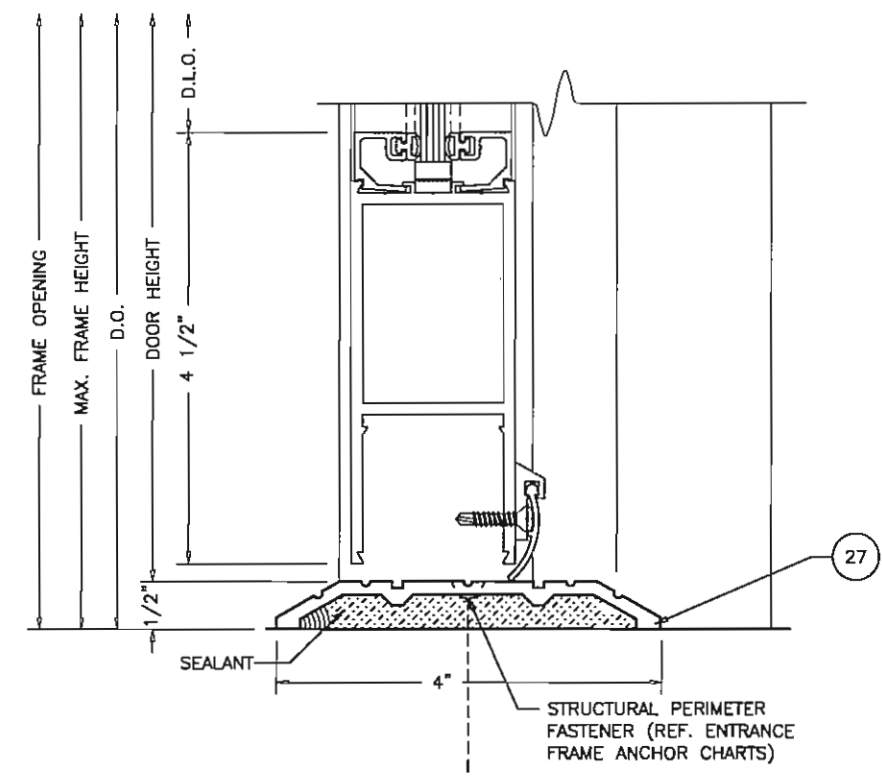
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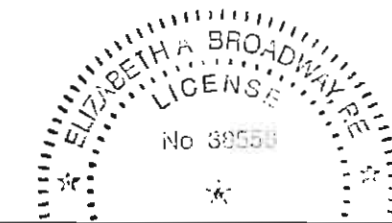




**9 DOOR @ VERTICAL**  
7 SCALE: 1:2



**10 THRESHOLD**  
7 SCALE: 1:2



STATE OF FLORIDA  
*Elizabeth A. Broadway*  
 ELIZABETH A. BROADWAY  
 PROFESSIONAL ENGINEER  
 FLORIDA REGISTRATION NO. 3855B

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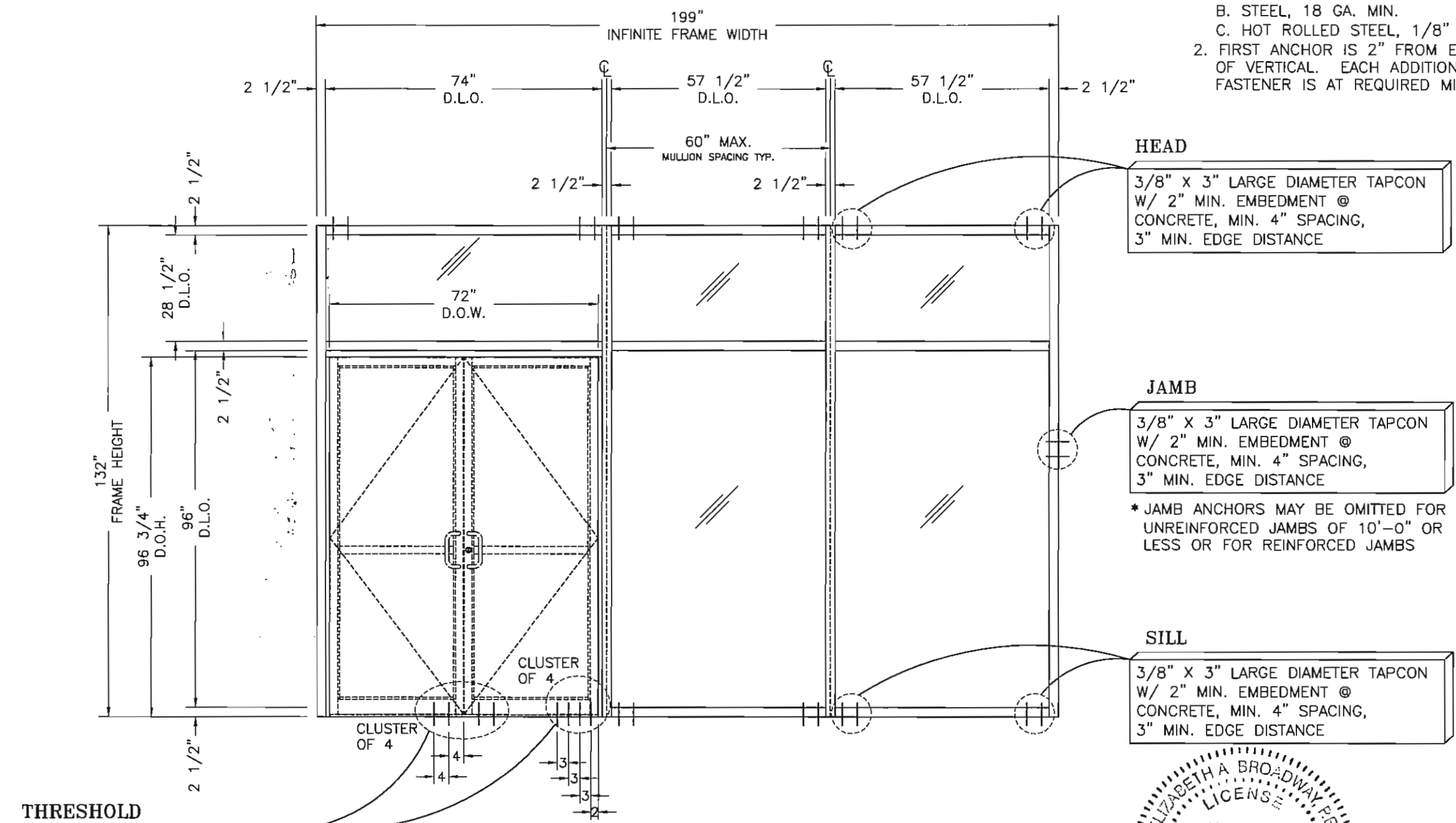
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- PERIMETER FASTENERS:
- TYPICAL INSTALLATION INTO SUBSTRATES
    - 3000 PSI CONCRETE
    - STEEL, 18 GA. MIN.
    - HOT ROLLED STEEL, 1/8" MIN. THICKNESS
  - FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

**HEAD**  
 3/8" X 3" LARGE DIAMETER TAPCON  
 W/ 2" MIN. EMBEDMENT @  
 CONCRETE, MIN. 4" SPACING,  
 3" MIN. EDGE DISTANCE

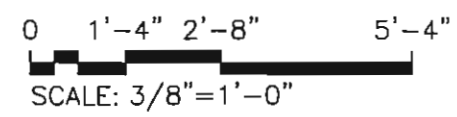
**JAMB**  
 3/8" X 3" LARGE DIAMETER TAPCON  
 W/ 2" MIN. EMBEDMENT @  
 CONCRETE, MIN. 4" SPACING,  
 3" MIN. EDGE DISTANCE

\* JAMB ANCHORS MAY BE OMITTED FOR  
 UNREINFORCED JAMBS OF 10'-0" OR  
 LESS OR FOR REINFORCED JAMBS

**SILL**  
 3/8" X 3" LARGE DIAMETER TAPCON  
 W/ 2" MIN. EMBEDMENT @  
 CONCRETE, MIN. 4" SPACING,  
 3" MIN. EDGE DISTANCE

**THRESHOLD**  
 (4) EA. 1/4" X 2 1/2" TAPCON  
 @ CONCRETE, WITH 1 3/4" MIN.  
 EMBEDMENT. LOCATIONS AS SHOWN

**CONCRETE SUBSTRATE  
 ANCHOR LOCATIONS**



ELIZABETH A. BROADWAY  
 PROFESSIONAL ENGINEER  
 FLORIDA REGISTRATION NO. 38558

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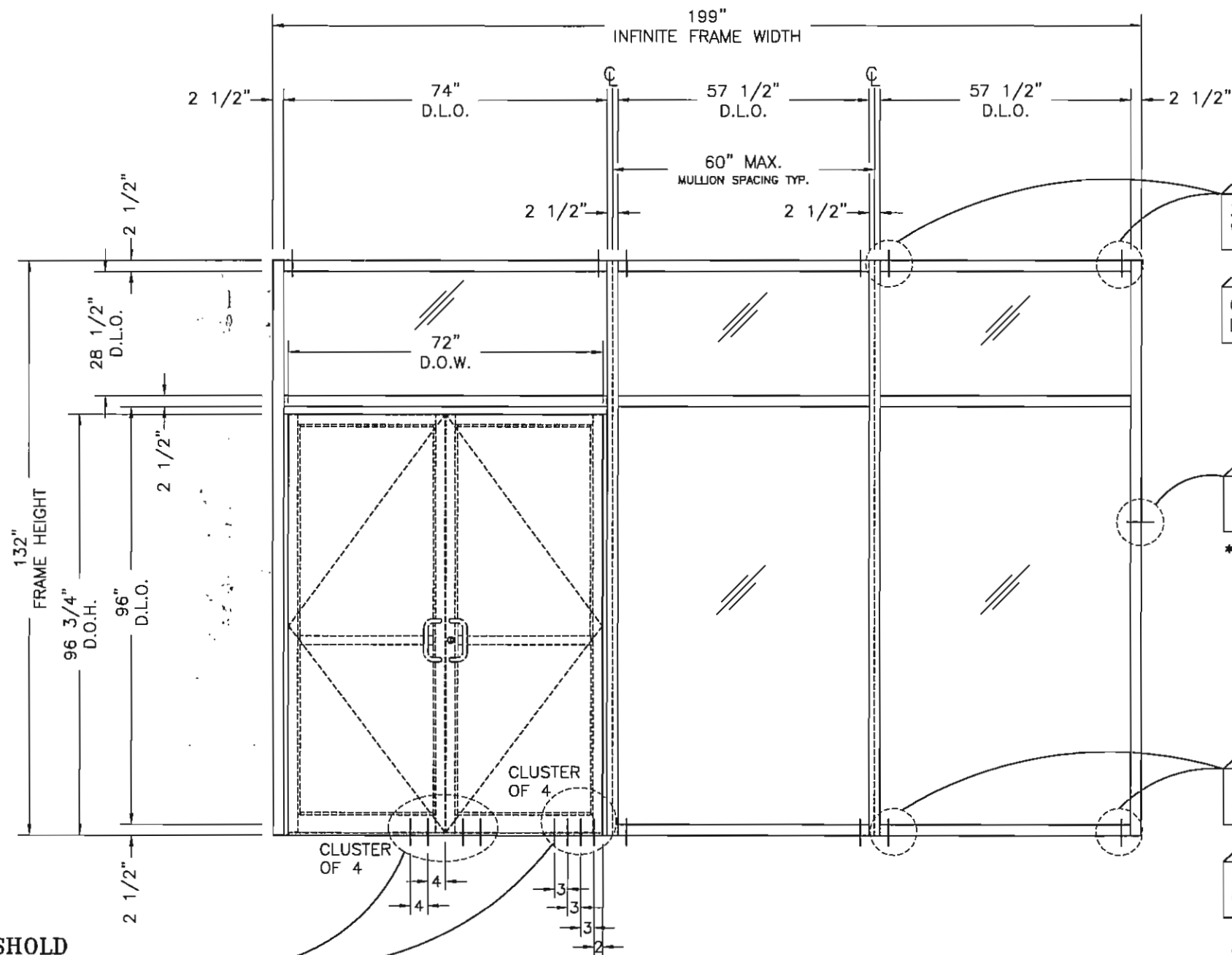
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PRODUCT APPROVAL FOR  
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 CONCRETE SUBSTRATE ANCHOR  
 LOCATIONS

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- PERIMETER FASTENERS:
- TYPICAL INSTALLATION INTO SUBSTRATES
    - 3000 PSI CONCRETE
    - STEEL, 18 GA. MIN.
    - HOT ROLLED STEEL, 1/8" MIN. THICKNESS
  - FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

**HEAD**  
 3/8"-16 X 2 3/4" HH BOLT WITH WASHER AND NUT @ STEEL

OR 1/4" TEK SCREWS SEE LOCATIONS ON SHEET 10

**JAMB**  
 3/8"-16 X 2 3/4" HH BOLT WITH WASHER AND NUT @ STEEL

\* JAMB ANCHORS MAY BE OMITTED FOR UNREINFORCED JAMBS OF 10'-0" OR LESS OR FOR REINFORCED JAMBS

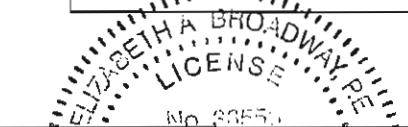
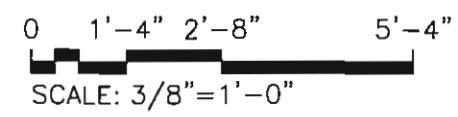
**SILL**  
 3/8"-16 X 2 3/4" HH BOLT WITH WASHER AND NUT @ STEEL

SEE SHEET 8 OF 14 FOR CONCRETE ATTCHMENT

**THRESHOLD**  
 (4) EA. 1/4"-14 X 1-1/2" TEK 3 FHP SCREW. LOCATIONS AS SHOWN

SEE SHEET 8 OF 14 FOR CONCRETE ATTCHMENT

### STEEL SUBSTRATE ANCHOR LOCATIONS



ELIZABETH A. BROADWAY  
 PROFESSIONAL ENGINEER  
 FLORIDA REGISTRATION NO. 38558

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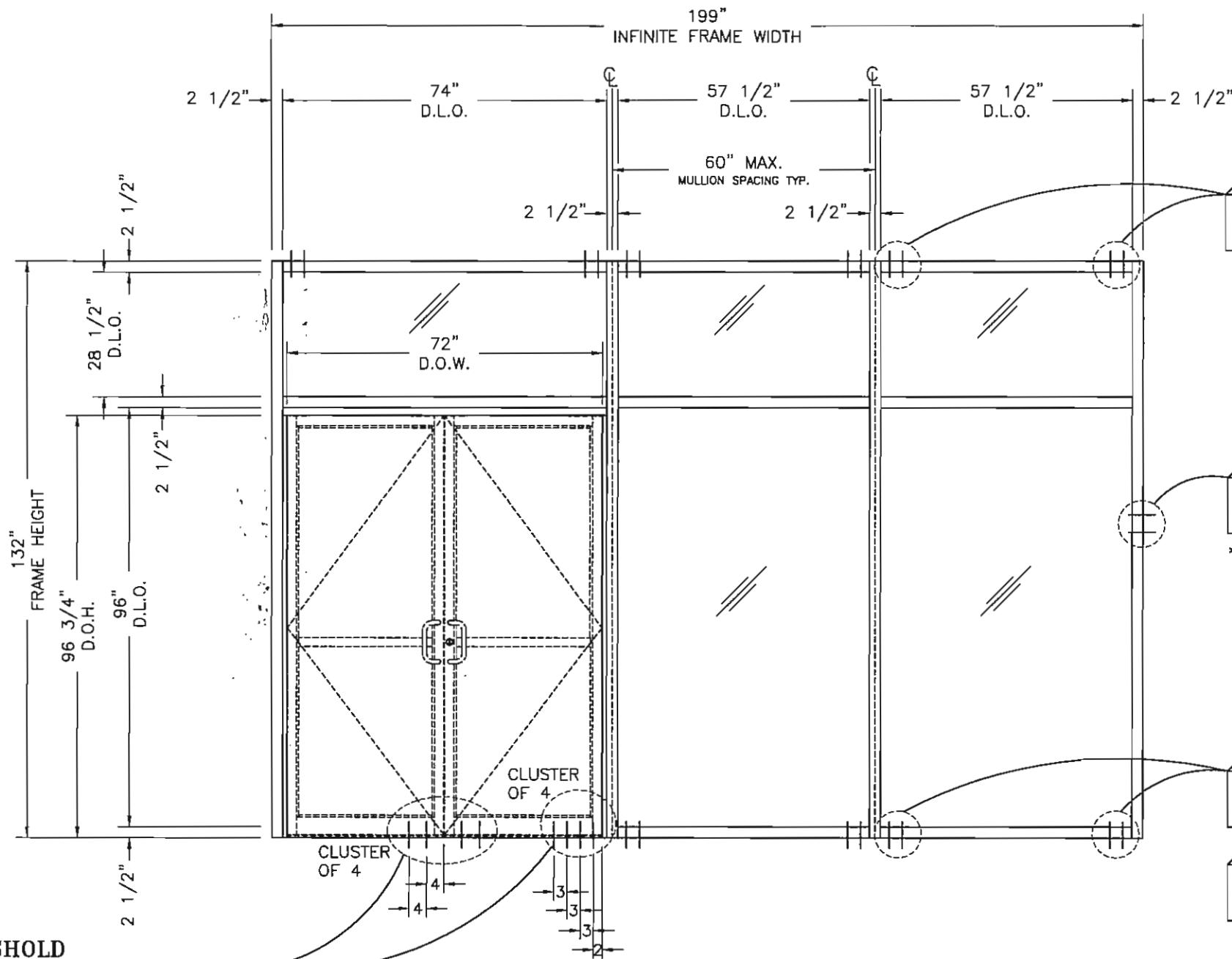
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 PHONE: 800-772-7737 FAX: 800-255-7320

PRODUCT APPROVAL FOR  
 PW251.5.5 CURTAIN WALL SYSTEM  
 STEEL SUBSTRATE ANCHOR LOCATIONS

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- PERIMETER FASTENERS:
- TYPICAL INSTALLATION INTO SUBSTRATES
    - 3000 PSI CONCRETE
    - STEEL, 18 GA. MIN.
    - HOT ROLLED STEEL, 1/8" MIN. THICKNESS
  - FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

**HEAD**

1/4"-14 X 1 1/2" TEK 3 SCREW @ STEEL

**JAMB**

1/4"-14 X 1 1/2" TEK 3 SCREW @ STEEL

\* JAMB ANCHORS MAY BE OMITTED FOR UNREINFORCED JAMBS OF 10'-0" OR LESS OR FOR REINFORCED JAMBS

**SILL**

1/4"-14 X 1 1/2" TEK 3 SCREW @ STEEL

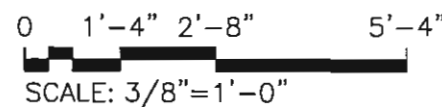
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**THRESHOLD**

(4) EA. 1/4"-14 X 1-1/2" TEK 3 FHP SCREW. LOCATIONS AS SHOWN

SEE SHEET 8 OF 14 FOR CONCRETE ATTCHMENT

**STEEL STUD SUBSTRATE ANCHOR LOCATIONS**



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 LICENSE  
 ELIZABETH A. BROADWAY  
 PROFESSIONAL ENGINEER  
 FLORIDA REGISTRATION NO. 38558

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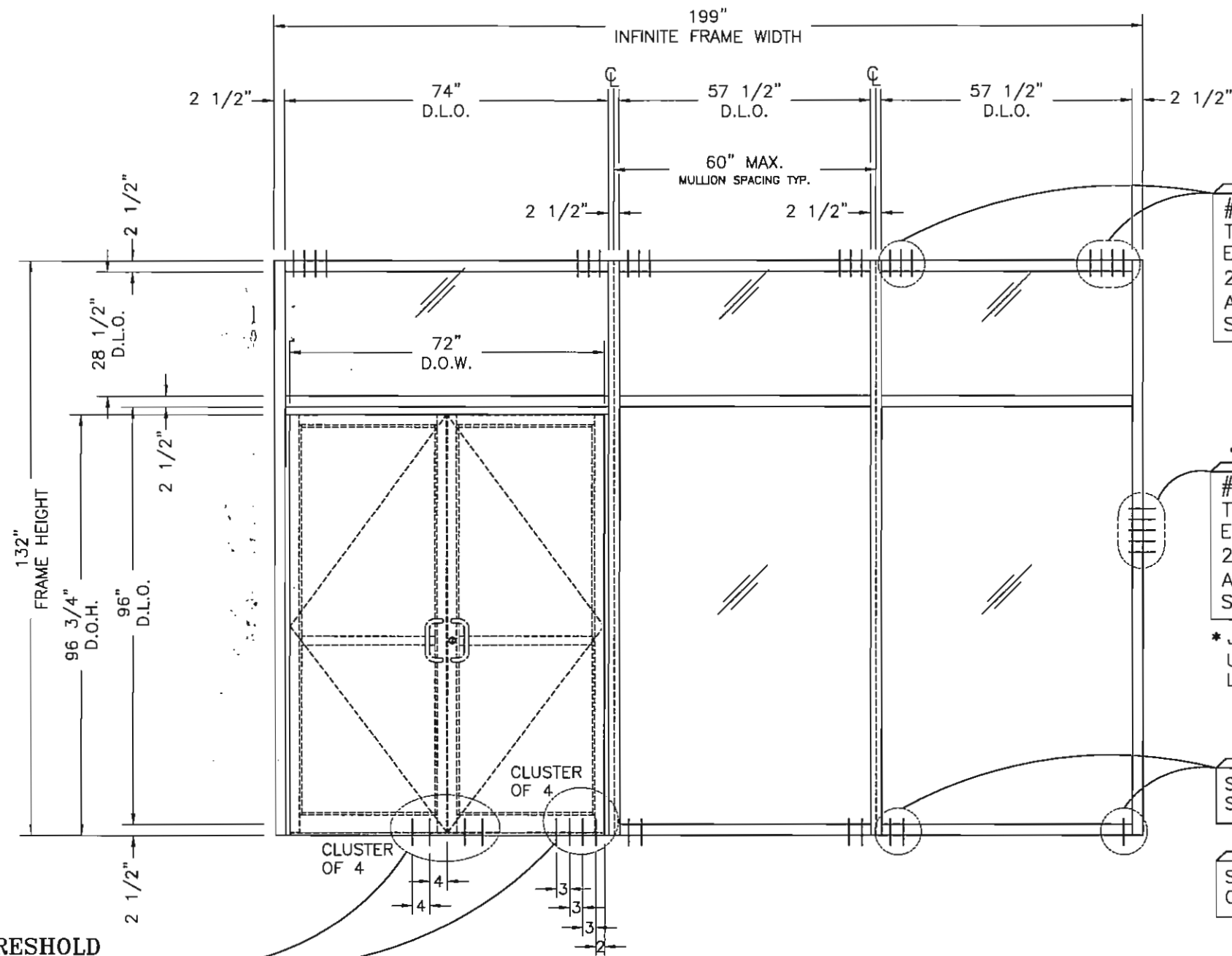
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 PHONE: 800-772-7737 FAX: 800-255-7320

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 STEEL STUD SUBSTRATE ANCHOR  
 LOCATIONS

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- PERIMETER FASTENERS:
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    - STEEL, 18 GA. MIN.
    - HOT ROLLED STEEL, 1/8" MIN. THICKNESS
  - FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

**HEAD**

#14 x 3-1/2" WOOD SCREWS TYP. @ WOOD WITH 3" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENER @ 2" MIN. SPACING BETWEEN ANCHORS.

**JAMB**

#14 x 3-1/2" WOOD SCREWS TYP. @ WOOD WITH 3" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENER @ 2" MIN. SPACING BETWEEN ANCHORS.

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**SILL**

SEE SHEET 10 OF 14 FOR STEEL ATTCHMENT

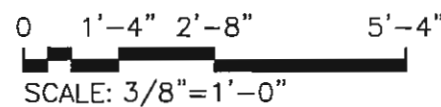
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**THRESHOLD**

SEE SHEET 10 OF 14 FOR STEEL ATTCHMENT

SEE SHEET 8 OF 14 FOR CONCRETE ATTCHMENT

**WOOD SUBSTRATE ANCHOR LOCATIONS**



ELIZABETH A. BROADWAY, P.E.  
LICENSE  
No. 38558

*Elizabeth A. Broadway*  
ELIZABETH A. BROADWAY  
PROFESSIONAL ENGINEER  
FLORIDA REGISTRATION NO. 38558

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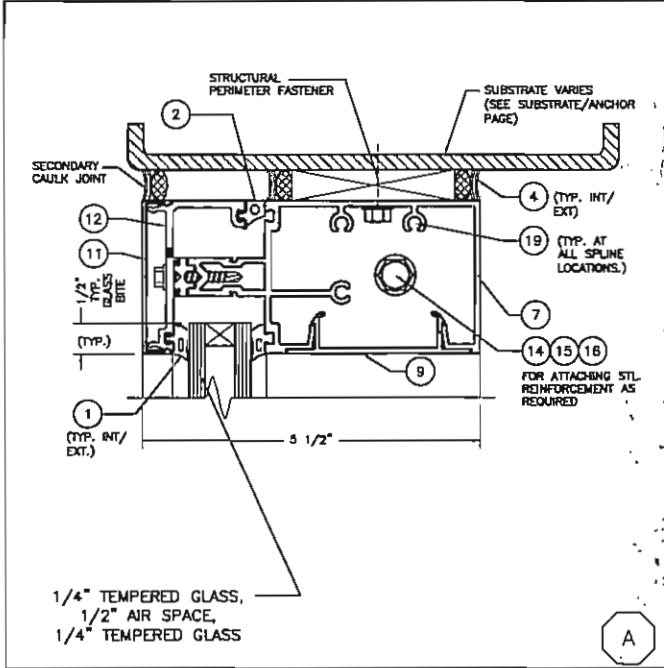
PRODUCT APPROVAL FOR  
PW251.5.5 CURTAIN WALL SYSTEM  
WOOD SUBSTRATE ANCHOR LOCATIONS

DATE	6/8/2017	
DRAWN	CHECKED	APPROVED
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PROJECT NO.		
DRAWING NO.	PW251.5.5	
SHEET	11 OF 14	

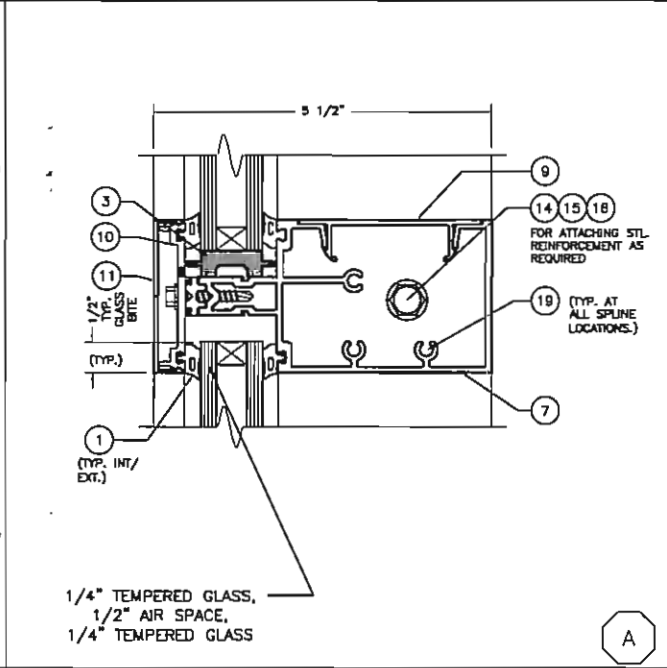


GLAZING SCHEDULE				
GLASS MARK SYMBOL	GLASS TYPE	MANUFACTURER	MAXIMUM D.L.O. SIZE	MAXIMUM SQUARE FEET
A	1/4" TEMPERED GLASS, 1/2" AIR SPACE, 1/4" TEMPERED GLASS	VARIES	57 1/2" x 96"	38.3

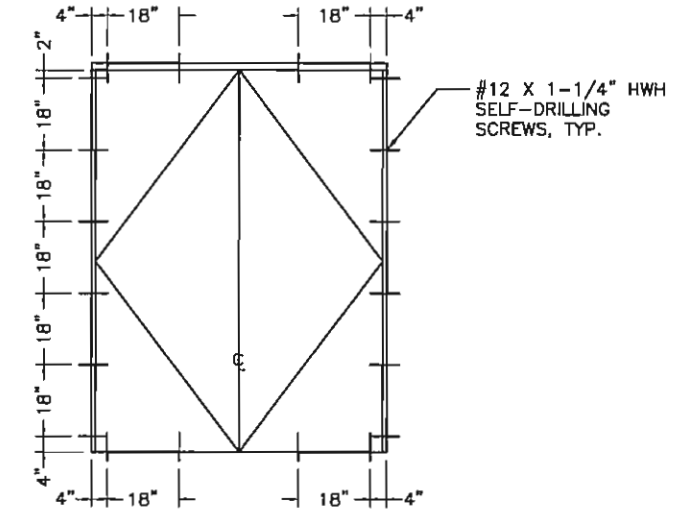
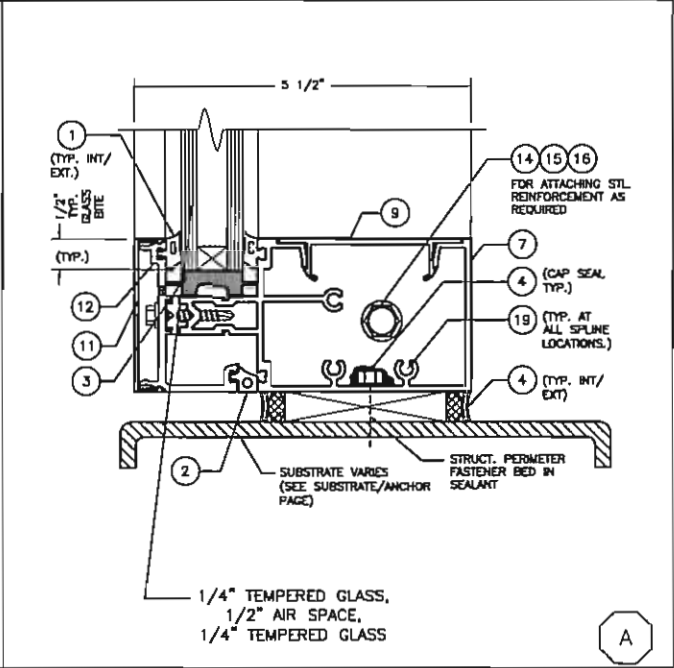
HEAD



HORIZONTAL

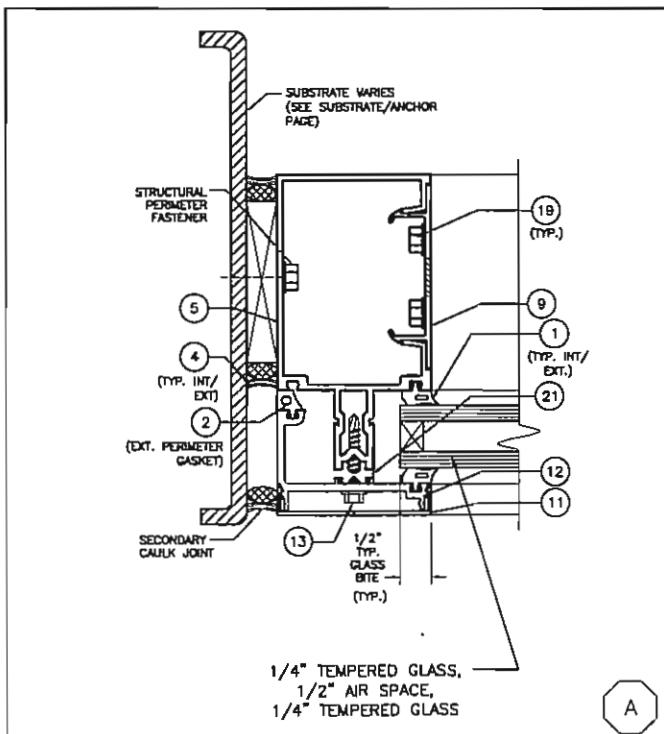


SILL

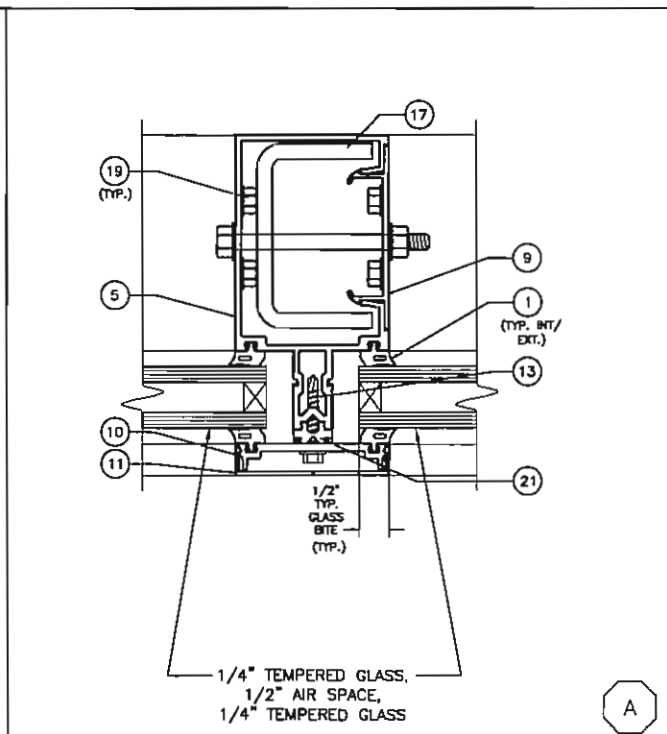


LOCATIONS FOR  
DOOR SUB-FRAME ATTACHMENT  
TO CURTAIN WALL ALUMINUM

JAMB



VERTICAL



ELIZABETH A BROADWAY, P.E.  
LICENSE  
No 38558

ELIZABETH A BROADWAY  
PROFESSIONAL ENGINEER  
FLORIDA REGISTRATION NO. 38558

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DRAWINGS FOR FLORIDA  
PRODUCT APPROVAL

DATE	REV	BY	DESCRIPTION
6/8/2017			
DRAWN		CHECKED	APPROVED
DEG		EAB	EAB
PROJECT NO.			
DRAWING NO.			
PW251.5.5			
SHEET		12 OF 14	

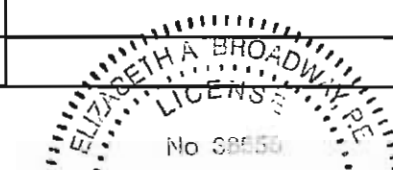
**Coral**  
Architectural Products  
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408  
PHONE: 800-772-7737 FAX: 800-255-7320


PRODUCT APPROVAL FOR  
PW251.5.5 CURTAIN WALL SYSTEM

GLAZING SCHEDULE

# BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	NG10	GLAZING GASKET	0.561 x 0.350	EPDM	VARIES	USED ON EXT. AND INT.
2	NG11	PERIMETER GASKET	0.462 x 0.402	EPDM	VARIES	
3	SB251	SETTING BLOCK	0.437 X 1.498	EPDM	VARIES	
4	795	JOINT/PERIMETER SEALANT	VARIABLE SPACE	SILICONE	DOW	
5	PW1505	VERTICAL MULLION/JAMB	2.50 X 4.781 X 0.094	6063-T6 ALUMINUM	CORAL	
7	PW1555	HORIZONTAL MULLION	2.50 X 4.781 X 0.094	6063-T6 ALUMINUM	CORAL	
8	PW1515	VERTICAL MULLION	2.50 X 3.50 X 0.094	6063-T6 ALUMINUM	CORAL	
9	PW2025	SILL/HEAD/HORIZONTAL COVER	2.984 X 0.681 X 0.094	6063-T6 ALUMINUM	CORAL	
10	PW204	PRESSURE PLATE	2.427 X .433	6063-T6 ALUMINUM	CORAL	
11	PW205	PRESSURE PLATE COVER	2.50 X .500	6063-T6 ALUMINUM	CORAL	
12	PW253	PRESSURE PLATE W/ FILLER	2.462 X 1.621	STEEL	VARIES	TYPICAL SPLINE SCREW
13	AS32	SCREW	#12 x 1-1/4" HWH SELF DRILL	ZINC PLATED STEEL	VARIES	USED AT ALL PRESSURE PLATE LOCATIONS
14	AS53	HEX CAP BOLT SCREW	1/4-20 X 3-1/2"	STAINLESS STEEL	VARIES	USED AT HORIZONTAL LOCATIONS
15	AS54	FLAT WASHER	1/4"	STAINLESS STEEL	VARIES	
16	AS55	LOCK NUT WITH NYLON INSERT	1/4"-20	STAINLESS STEEL	VARIES	
17	SR155	STEEL REINFORCEMENT	3" X 1-7/8" X 1/4"	A36 PRIMED	VARIES	USED AT VERTICALS AS REQUIRED
18	PW213	POCKET FILLER	1/2" X 1-1/4" X 0.78"	6063-T6 ALUMINUM	CORAL	USED AT JAMBS AS REQUIRED
19	AS16	HEX WASHER SCREW	#14 X 1"	ZINC PLATED STEEL	VARIES	USED AT ALL HORIZONTAL JOINTS
20	NG14	SPACER GASKET	1/4" X 1/4"	EPDM	VARIES	USED AT SSG MULLION
21	NG12	ISOLATER GASKET	1/2" X 3/16"	EPDM	VARIES	USED AT PW204 AS ISOLATER
22	AS25	SELF DRILLING FASTENER	#12 X 3/4" HWH #3	STEEL	VARIES	LOCATE 9" O.C. (USED @ JAMB POCKET FILLER)
23	FL207	DOOR HEADER/TRANSOM BAR	1.75 X 4.50 X 0.85	6063-T6 ALUMINUM	CORAL	
24	AS37	FASTENER		STEEL	VARIES	
25	DS200-1	DOOR STOP	.500 X 1.019 X 0.50	6063-T6 ALUMINUM	CORAL	
26	PW214	DOOR SUBFRAME	1.00 X 4.00 X 0.80	6063-T6 ALUMINUM	CORAL	
27	TH4	THRESHOLD	0.50 X 4.00 X .125	6063-T6 ALUMINUM	CORAL	




  
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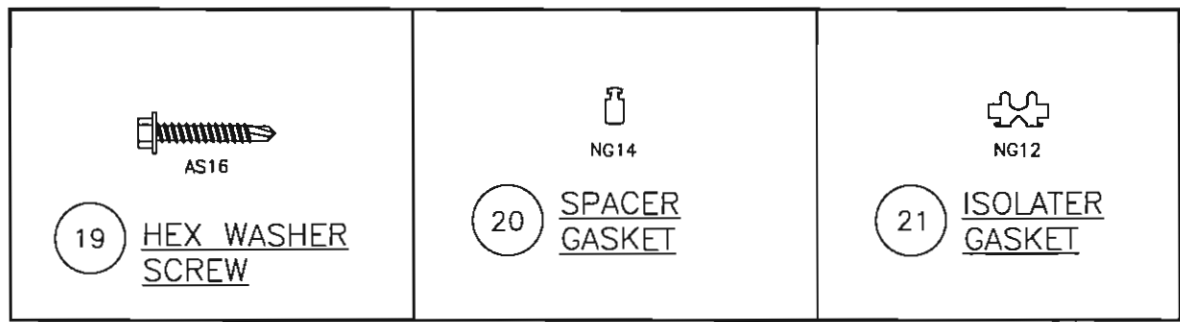
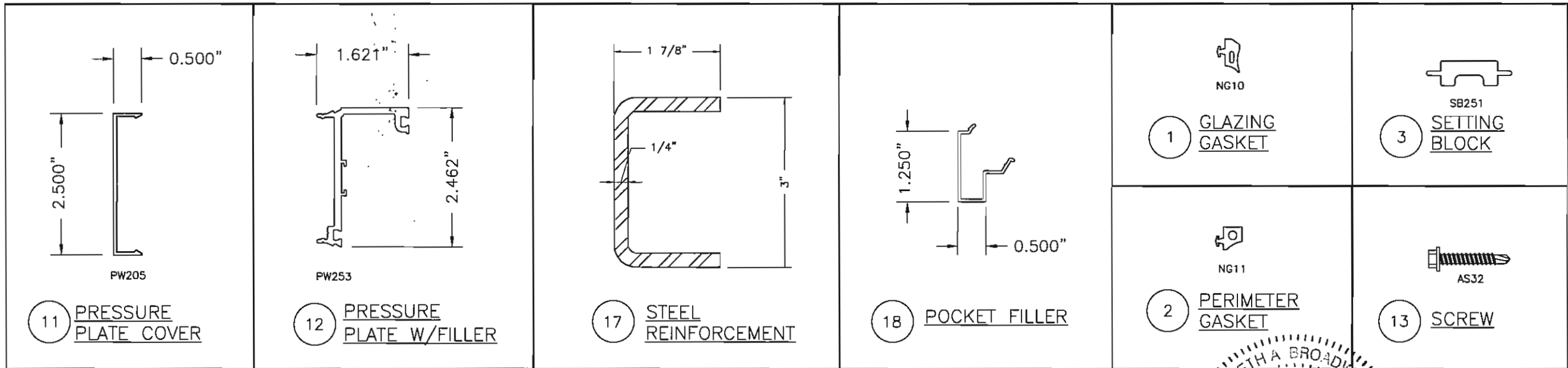
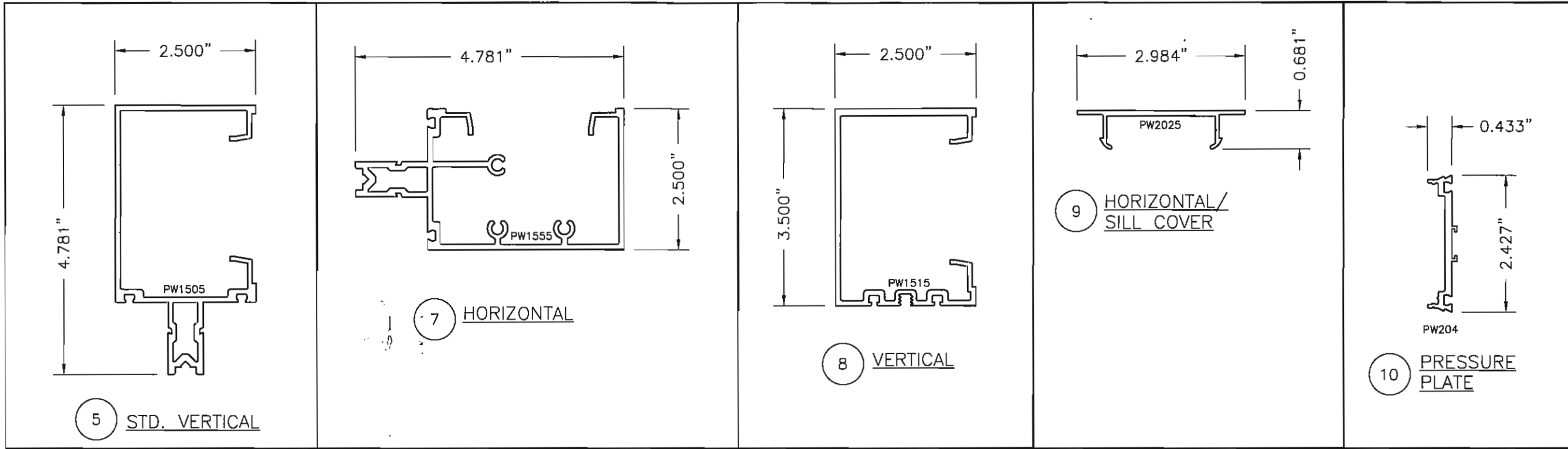
DRAWINGS FOR FLORIDA  
PRODUCT APPROVAL

REV	BY	DATE	DESCRIPTION

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

PRODUCT APPROVAL FOR  
 PW251.5.5 CURTAIN WALL SYSTEM  
 BILL OF MATERIALS

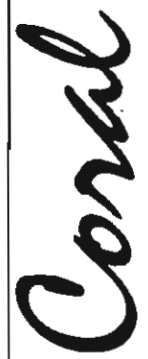
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PROJECT NO.		
DRAWING NO.	PW251.5.5	
SHEET	13 OF 14	



  
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REV	BY	DATE	DESCRIPTION

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

PRODUCT APPROVAL FOR  
**PW251.5.5 CURTAIN WALL SYSTEM**  
 DIE DRAWINGS

DATE	6/8/2017	
DRAWN	CHECKED	APPROVED
DES	EAB	WS
PROJECT NO.		
DRAWING NO.	PW251.5.5	
SHEET	14 OF 14	

DRAWINGS FOR FLORIDA  
PRODUCT APPROVAL