

TYPICAL ELEVATION  
TESTED UNIT

LAMINATED GLASS  
LARGE MISSILE IMPACT

UNANCHORED JAMBS COMPLY WITH DEFLECTION  
OF L/180 AND ALLOWABLE STRESS LIMITATION

(2) ANCHORS @ FIX. PANEL BRACKET  
(2) ANCHORS AT REINF. ANGLE  
ADDL. ANCHORS AT HEAD/SILL FRAME  
SEE CHART ON SHEET 2 FOR TOTAL  
NO. OF ANCHORS AT STILE ENDS

DOORS GLAZED WITH LAMINATED GLASS RATED FOR  
LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

**SERIES-6001 ALUMINUM SLIDING GLASS DOOR**

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN  
ON SHEET 2.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH  
THE REQUIREMENTS OF THE 5TH EDITION FLORIDA BUILDING CODE  
(2014) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO  
TRANSFER LOADS TO THE STRUCTURE.

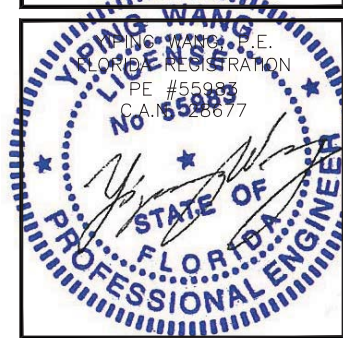
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS,  
ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL  
DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS  
ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN  
DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS,  
THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL  
MEET THE REQUIREMENTS OF THE 5TH EDITION FLORIDA BUILDING  
CODE (2014).

- LIMITATIONS OF USE**
- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P. E.D.
  - B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
  - C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
  - D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P. E.D.
  - E- THIS P. E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



NO.	DATE	REVISIONS DESCRIPTION

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 305.279.6818  
www.MCYEngineering.com  
MCY.Engineering@Att.net

NRAP SERIES 6001 SLIDING GLASS DOOR (L.M.I.)  
NR ARCHITECTURAL PRODUCTS INC.

4348 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407  
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL FL #21434.1	
DATE	11-09-16
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	16-085
DRAWING NO. AD16-38	
SHEET 1 of 7	

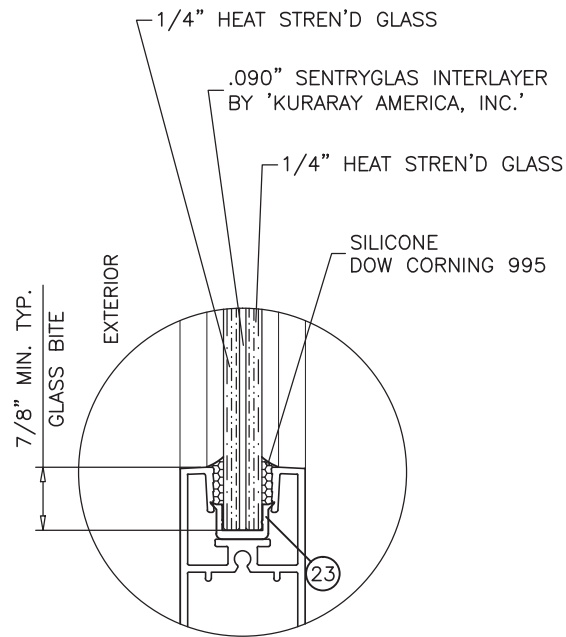
DESIGN LOAD CAPACITY - PSF									
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS TYPE 'C'	
		4 ANCHORS	5 ANCHORS	6 ANCHORS	2 ANCHORS	3 ANCHORS	4 ANCHORS	2 ANCHORS	3 ANCHORS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	80	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	97.2	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	89.6	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	84.1	100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	80.3	100.0	100.0	100.0	100.0
36	84	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	91.0	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	83.6	100.0	100.0	100.0	100.0
54		100.0	100.0	100.0	78.2	100.0	100.0	100.0	100.0
60		96.4	100.0	100.0	74.3	100.0	100.0	100.0	100.0
36	90	100.0	100.0	100.0	92.9	100.0	100.0	100.0	100.0
42		100.0	100.0	100.0	83.1	100.0	100.0	100.0	100.0
48		98.5	100.0	100.0	76.0	100.0	100.0	100.0	100.0
54		91.8	100.0	100.0	70.8	100.0	100.0	100.0	100.0
60		86.7	100.0	100.0	66.9	100.0	100.0	98.4	100.0
36	96	100.0	100.0	100.0	85.7	100.0	100.0	100.0	100.0
42		99.1	100.0	100.0	76.4	100.0	100.0	100.0	100.0
48		90.3	100.0	100.0	69.7	100.0	100.0	100.0	100.0
54		83.8	100.0	100.0	64.6	96.9	100.0	95.1	100.0
60		78.8	98.5	100.0	60.8	91.2	100.0	89.5	100.0
36	102	100.0	100.0	100.0	79.6	100.0	100.0	100.0	100.0
42		91.8	100.0	100.0	70.8	100.0	100.0	100.0	100.0
48		83.4	100.0	100.0	64.3	96.5	100.0	94.6	100.0
54		77.1	96.4	100.0	59.4	89.2	100.0	87.5	100.0
36	108	96.4	100.0	100.0	74.3	100.0	100.0	100.0	100.0
42		85.4	100.0	100.0	65.9	98.8	100.0	96.9	100.0
48		77.4	96.8	100.0	59.7	89.6	100.0	87.9	100.0
36	114	90.3	100.0	100.0	69.7	100.0	100.0	100.0	100.0
42		79.9	99.9	100.0	61.6	92.5	100.0	90.7	100.0
48		72.3	90.3	100.0	55.7	83.6	100.0	82.0	100.0
36	120	85.0	100.0	100.0	65.6	98.4	100.0	96.5	100.0
42		75.1	93.9	100.0	57.9	86.9	100.0	85.2	100.0
48		67.8	84.7	100.0	52.3	78.4	100.0	76.9	100.0

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

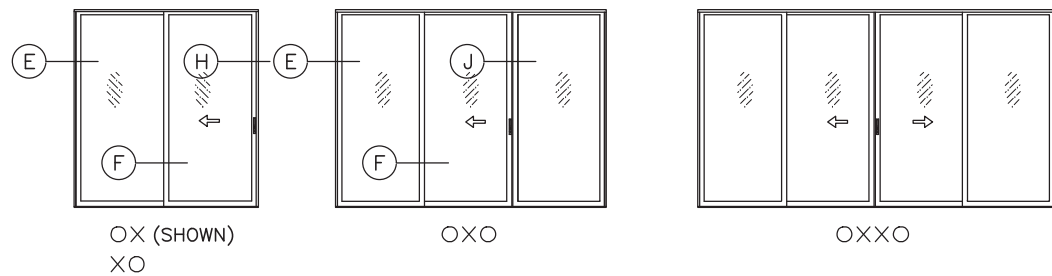
$$\text{PANEL WIDTH NOMINAL} = \frac{\text{DOOR WIDTH}}{\text{NUMBER OF PANELS}}$$

D.L. OPENING

D.L.O. HEIGHT = PANEL HEIGHT - 5.1875"  
D.L.O. WIDTH FIX. PANEL = PANEL WIDTH - 5.250"  
D.L.O. WIDTH MOV. PANEL = PANEL WIDTH - 6.375"



9/16" OVERALL LAMINATED GLASS  
GLAZING DETAIL



APPROVED CONFIGURATIONS

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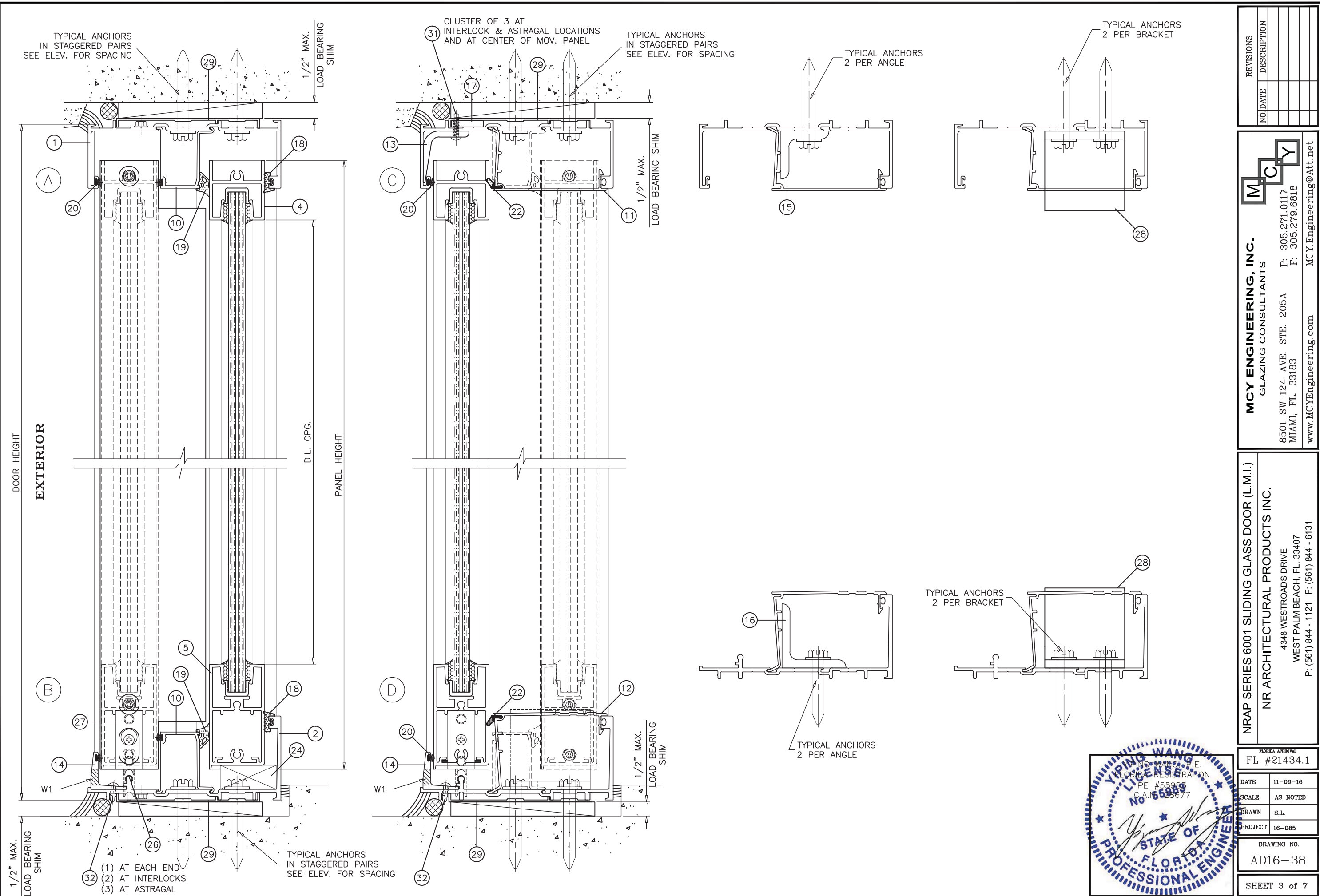
FLORIDA APPROVAL  
FL #21434.1

DATE 11-09-16  
SCALE AS NOTED  
DRAWN S.L.  
PROJECT 16-085

DRAWING NO.  
AD16-38

SHEET 2 of 7

YIPING WANG  
Professional Engineer  
No. 55983  
C.A. 160677



DOOR HEIGHT

EXTERIOR

D.L. OPG.

PANEL HEIGHT

1/2" MAX. LOAD BEARING SHIM

- (1) AT EACH END
  - (2) AT INTERLOCKS
  - (3) AT ASTRAGAL
- TYPICAL ANCHORS IN STAGGERED PAIRS SEE ELEV. FOR SPACING

CLUSTER OF 3 AT INTERLOCK & ASTRAGAL LOCATIONS AND AT CENTER OF MOV. PANEL

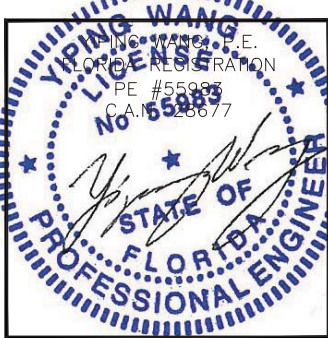
TYPICAL ANCHORS IN STAGGERED PAIRS SEE ELEV. FOR SPACING

TYPICAL ANCHORS 2 PER ANGLE

TYPICAL ANCHORS 2 PER BRACKET

TYPICAL ANCHORS 2 PER ANGLE

TYPICAL ANCHORS 2 PER BRACKET



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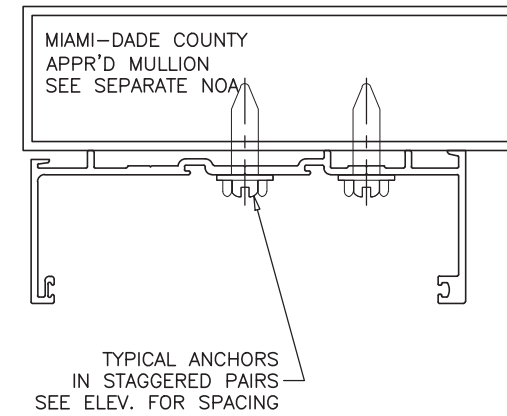
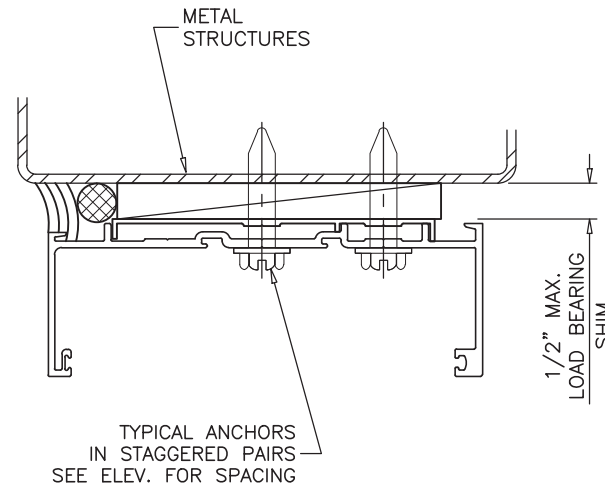
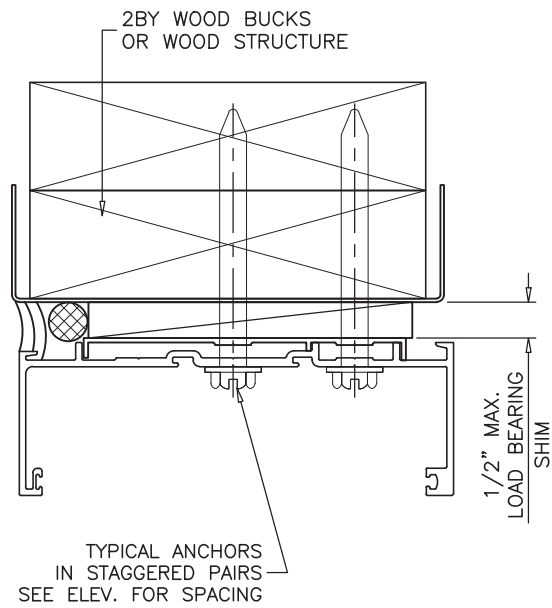
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SHEET 3 of 7	

November 30th, 2016



WOOD BUCKS AND METAL STRUCTURES NOT BY N.R. WDW. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**TYPE 'A'** - 5/16" DIA. ULTRACON (Fu = 177 KSI, Fy = 155 KSI)

INTO WOOD (SG=0.55)  
WITH 1-1/2" MIN. EMBED.  
OR THRU 1X OR 2X WOOD BUCK INTO CONCRETE  
WITH 1-1/4" MIN. EMBED.

**TYPE 'B'** - 3/8" DIA. POWERS WEDGE-BOLT ANCHOR (Fu = 100 KSI, Fy = 65 KSI)

INTO WOOD STRUCTURES (SG=0.55)  
WITH 2-1/4" MIN. EMBED

3/8" DIA. POWERS WEDGE-BOLT ANCHOR (Fu = 100 KSI, Fy = 65 KSI)

INTO CONCRETE, fc'=3000 PSI  
WITH 1-1/2" MIN. EMBED

5/16" DIA. ULTRACON (Fu = 177 KSI, Fy = 155 KSI)

INTO CONCRETE, fc'=3000 PSI  
WITH 1-3/4" MIN. EMBED.

**TYPE 'C'** - 3/8" DIA. MACHINE BOLT GRADE 5 W/ WASHER & NUT (Fu = 120 KSI, Fy = 92 KSI)

INTO METAL STRUCTURES  
STEEL : 12 GA. THK. MIN. (Fy = 36 KSI MIN.)  
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

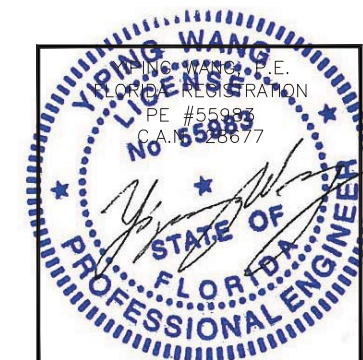
INTO CONCRETE = 3" MIN.  
INTO WOOD STRUCTURE = 1-1/2" MIN.  
INTO METAL STRUCTURE = 1" MIN.

**SEALANTS:**

ALL FRAME CORNERS AND JOINTS SEALED WITH DOW-795 OR TREMCO SPECTREM 2 SILICONE SEALANT.

**WEEPHOLES:**

W1 = 1-1/2" X 1/2" WEEP SLOTS  
(1) AT CENTER OF EACH PANEL  
(1) AT EACH SIDE OF INTERLOCK  
(1) AT ASTRAGAL STILE



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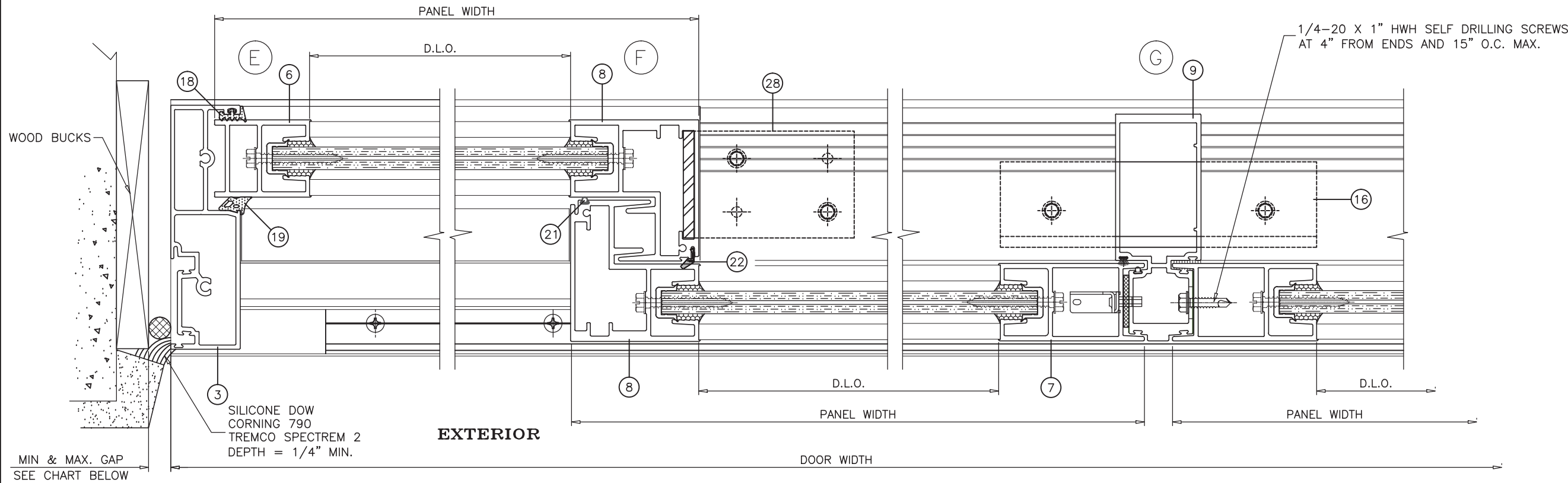
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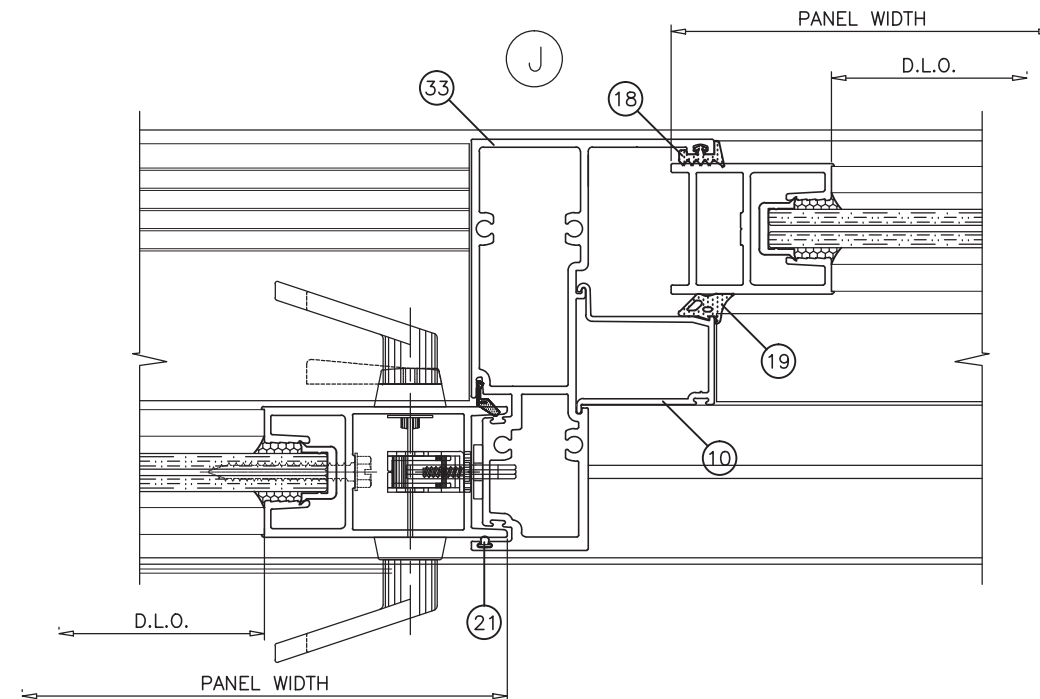
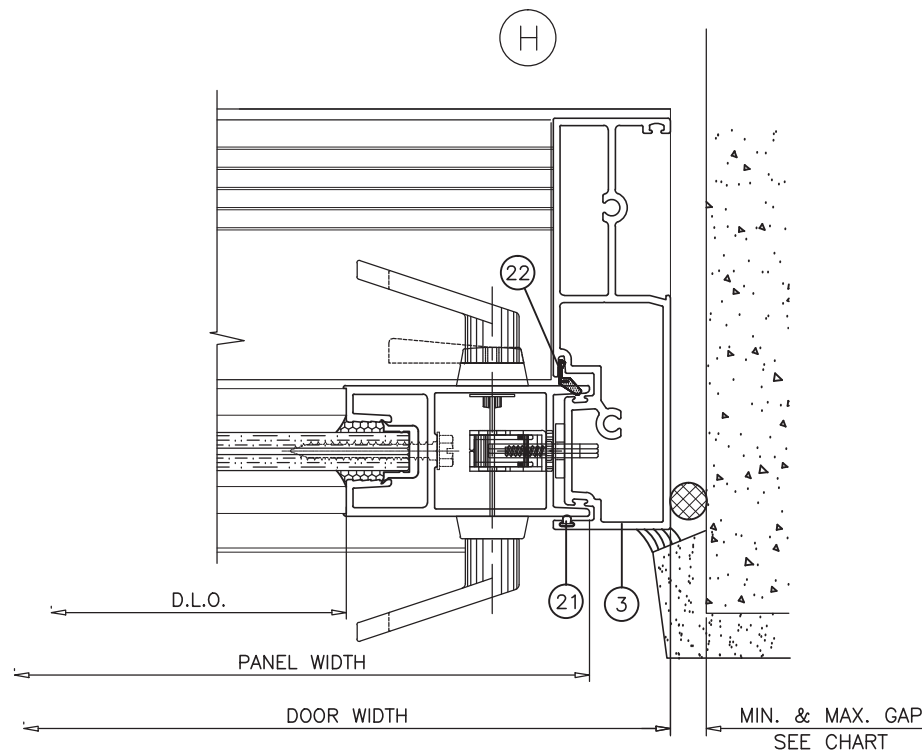
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FLORIDA APPROVAL	
FL #21434.1	
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SHEET 4 of 7	

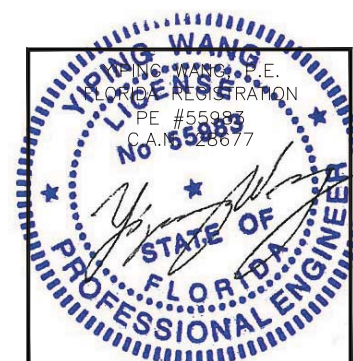


MIN & MAX. GAP  
SEE CHART BELOW

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
114"	3/8"	1/2"
119 5/8"	1/2"	3/4"



1/4-20 X 1" HWH SELF DRILLING SCREWS  
AT 4" FROM ENDS AND 15" O.C. MAX.



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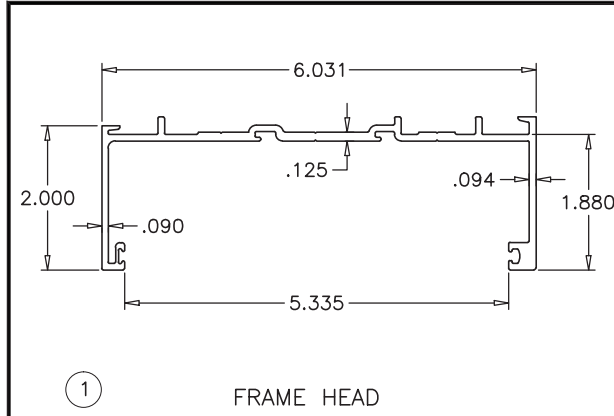
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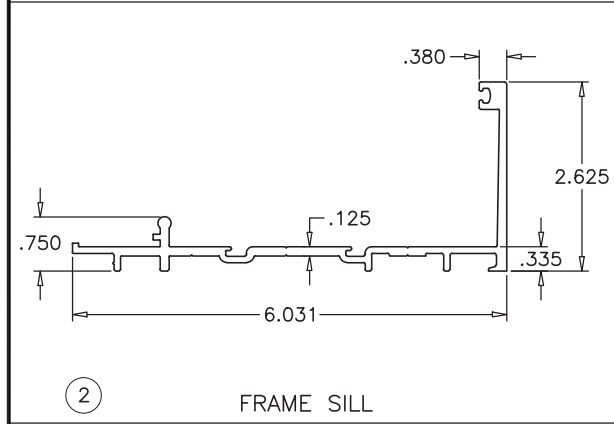
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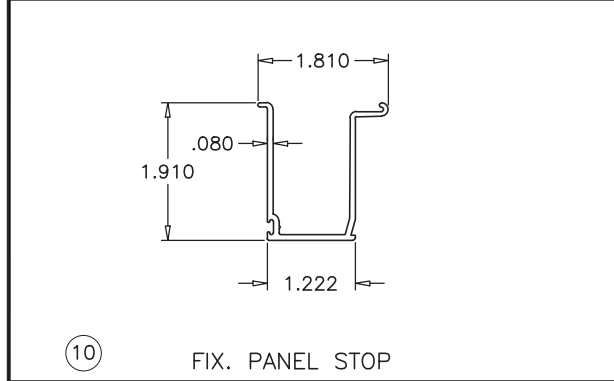
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SHEET 5 of 7	



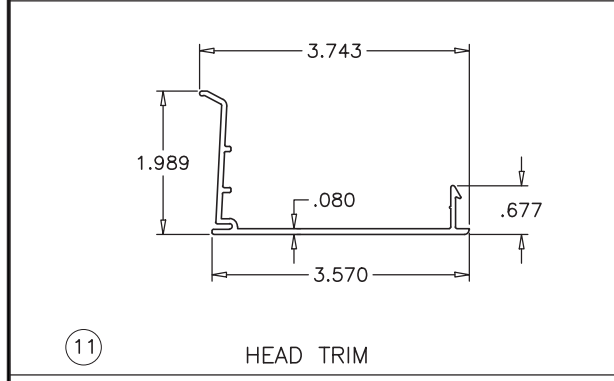
① FRAME HEAD



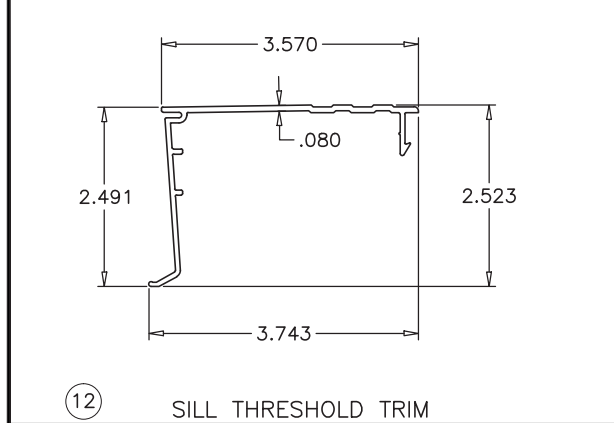
② FRAME SILL



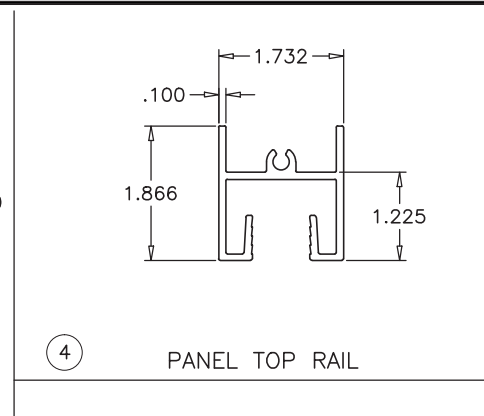
⑩ FIX. PANEL STOP



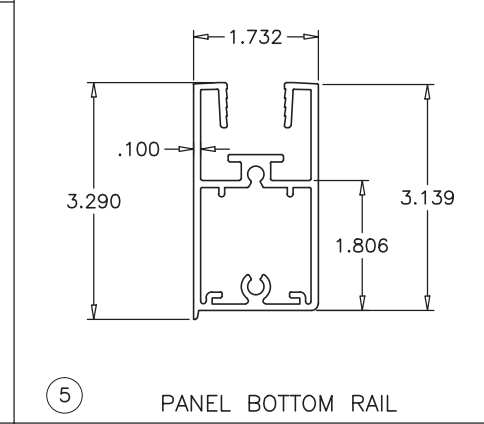
⑪ HEAD TRIM



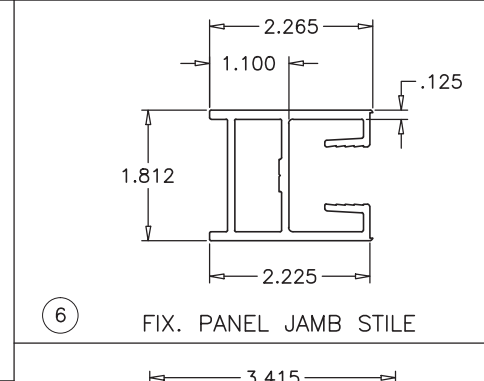
⑫ SILL THRESHOLD TRIM



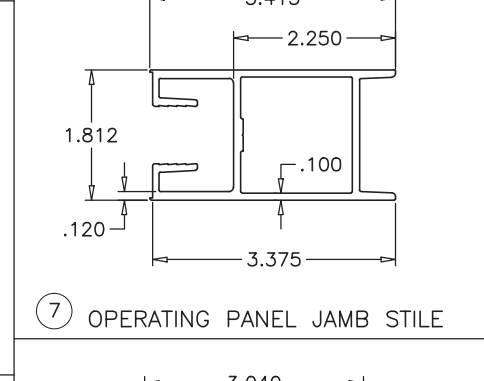
④ PANEL TOP RAIL



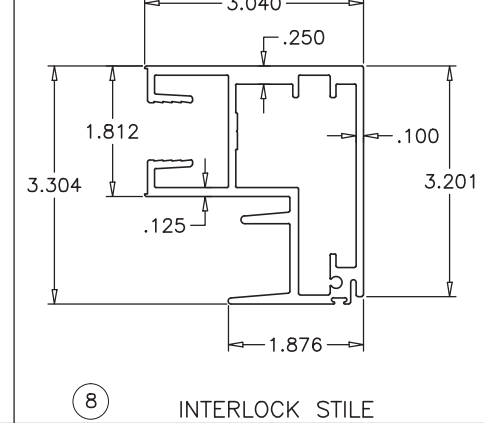
⑤ PANEL BOTTOM RAIL



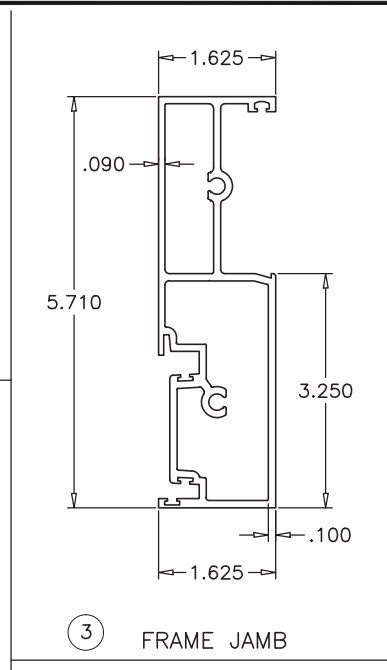
⑥ FIX. PANEL JAMB STILE



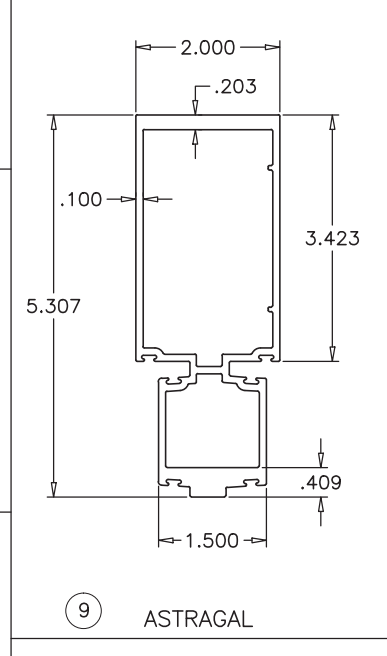
⑦ OPERATING PANEL JAMB STILE



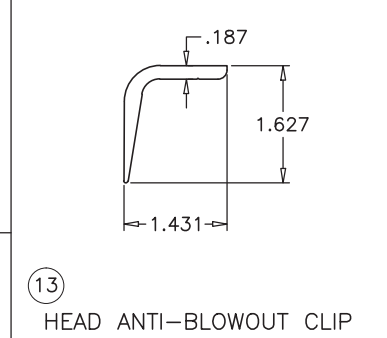
⑧ INTERLOCK STILE



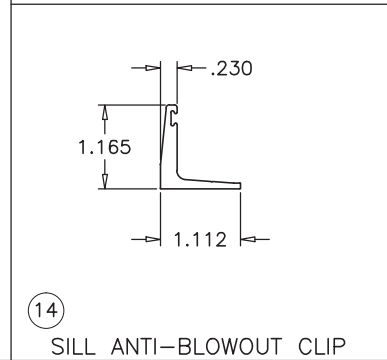
③ FRAME JAMB



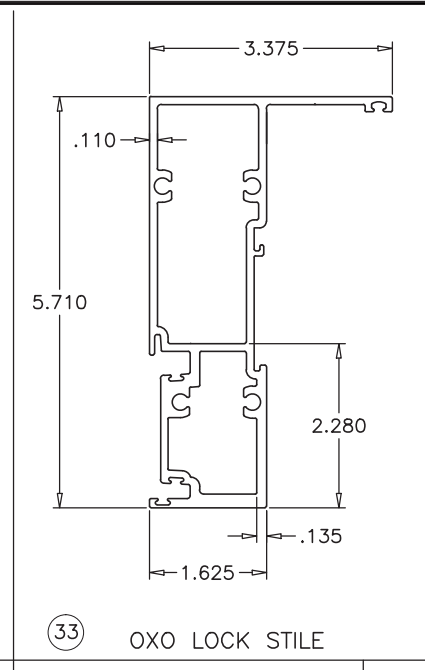
⑨ ASTRAGAL



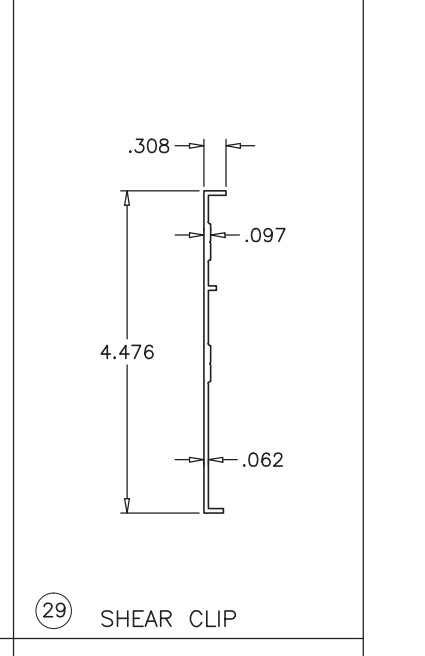
⑬ HEAD ANTI-BLOWOUT CLIP



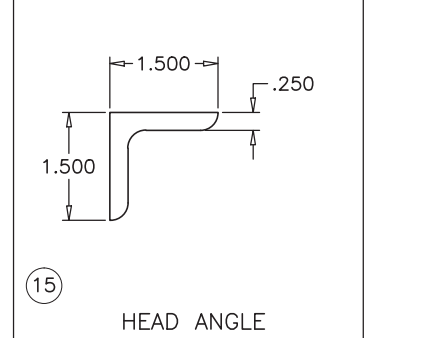
⑭ SILL ANTI-BLOWOUT CLIP



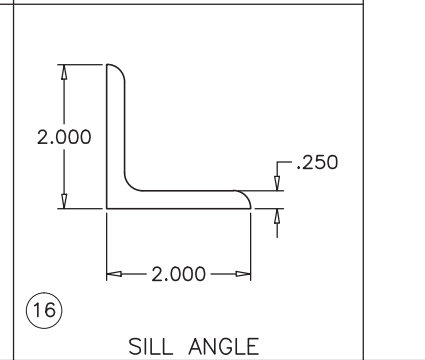
③③ OXO LOCK STILE



②⑨ SHEAR CLIP



⑮ HEAD ANGLE



⑯ SILL ANGLE

REVISIONS	
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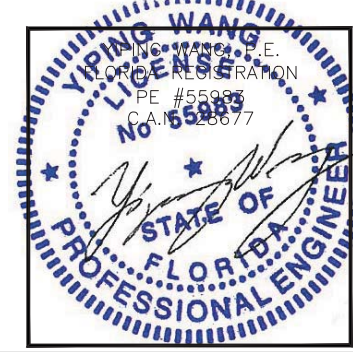
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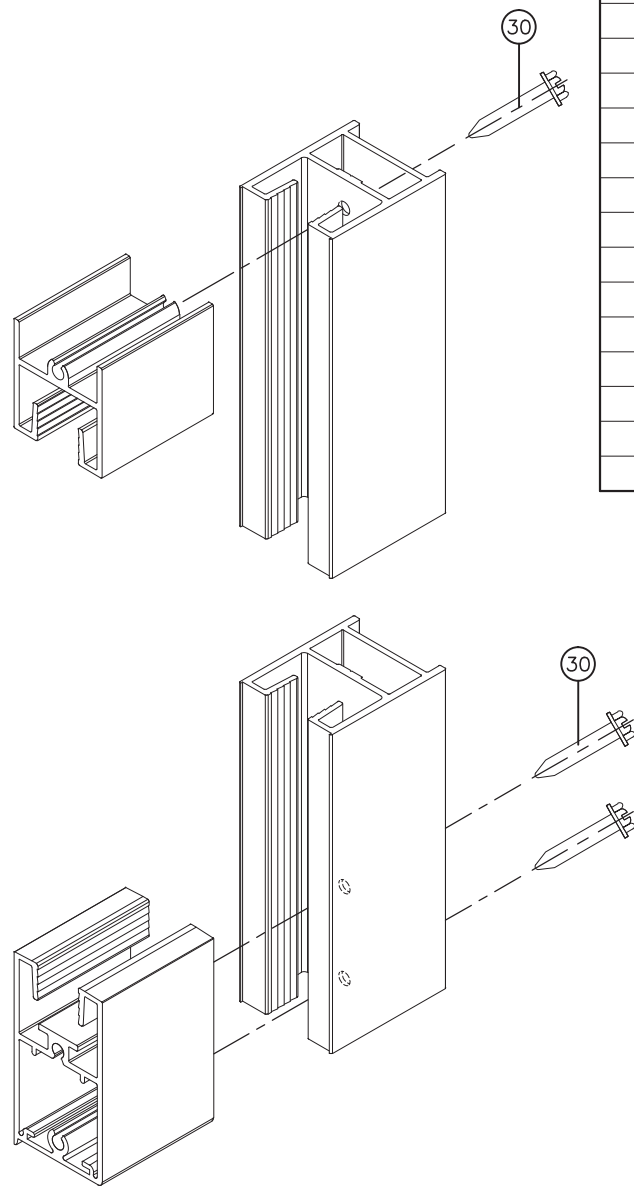
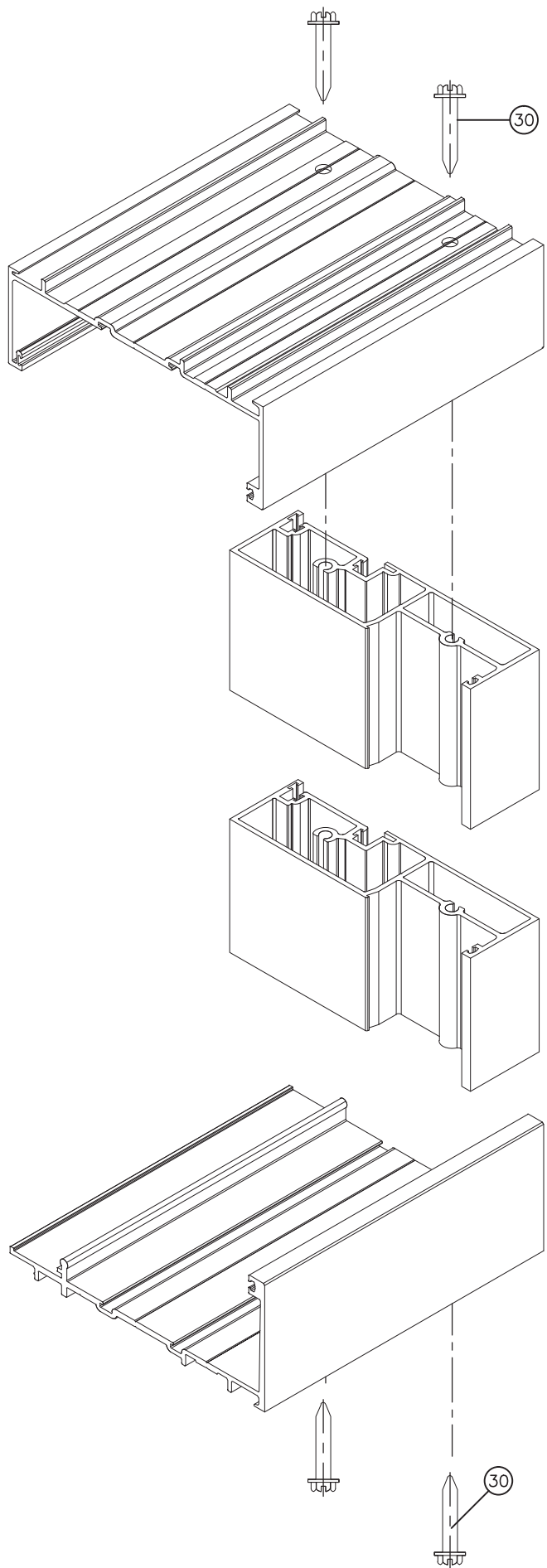
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SHEET 6 of 7	



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SD-001	1	FRAME HEAD	6005-T5	-
2	SD-002	1	FRAME SILL	6005-T5	-
3	SD-003	1	FRAME JAMB	6005-T5	-
4	SD-006	2/ PANEL	TOP RAIL	6005-T5	-
5	SD-007	2/ PANEL	BOTTOM RAIL	6005-T5	-
6	SD-008	AS REQD.	FIX. PANEL JAMB STILE	6005-T5	-
7	SD-010	AS REQD.	OPERATING PANEL JAMB STILE	6005-T5	-
8	SD-009	AS REQD.	INTERLOCK STILE	6005-T5	-
9	SD-005	AS REQD.	ASTRAGAL STILE	6005-T5	-
10	SD-011	AS REQD.	FIX. PANEL STOP	6005-T5	-
11	SD-013	-	HEAD TRIM	6005-T5	-
12	SD-012	-	SILL THRESHOLD TRIM	6005-T5	-
13	SD-014	1	HEAD ANTI-BLOWOUT CLIP	6005-T5	AT MOV. PANELS ONLY
14	SD-015	1	SILL ANTI-BLOWOUT CLIP	6005-T5	LENGTH = FRAME WIDTH - 9"
15	NR-A1	-	HEAD REINF. ANGLE	STEEL	7-3/8" LONG
16	NR-A2	-	SILL REINF. ANGLE	STEEL	7-3/8" LONG
17	NR-A3	-	BACK UP PLATE	ALUM	1 X 4 X 1/4"
18	NR-G8	AS REQD.	PRESET GASKET	EPDM SPONGE	TR-15094E
19	NR-G9	AS REQD.	WEDGE GASKET	EPDM 70 DURO	TR-0436E
20	NR-G10	AS REQD.	FINPILE W'STRIPPING (.187W X .260H)	-	-
21	NR-G11	AS REQD.	BULB GASKET	VINYL	Q200T190 Q-LON
22	NR-G12	AS REQD.	FINGER GASKET	-	QEZD 250 Q-LON
23	NR-G14	AS REQD.	GLAZING GASKET (TRIMMED)	70 DURO	TR-15971W
24	NR-G15	AS REQD.	FIX. PANEL SETTING BLOCK	EPDM 80 DURO	4" LONG
25	NR-G16	AS REQD.	DOOR STOP	-	-
26	NR-A4	-	TRACK COVER	ST/ST	-
27	NR-A5	2/ MOV. PANEL	DUAL TANDEM ROLLER ASSEMBLY	ST/ST	DELTA
28	NR-A6	-	FIX. PANEL ANGLE BRACKET	ALUM	3 X 4 X 1/4" X 2-1/2" LONG
29	NR-A7	AS REQD.	SHEAR CLIP CONTINUOUS	6005-T5	-
30	NR-F4	AS REQD.	FRAME/PANEL ASSEMBLY SCREWS	-	1/4-20 X 1-1/2" HWH TC
31	NR-F5	-	HEAD ANTI-BLOWOUT CLIP FASTENERS	-	1/4-20 X 3/4" HWH MS
32	NR-F6	-	SILL ANTI-BLOWOUT CLIP FASTENERS	-	#12 X 1/4" X 1/2" PHP SMS
33	SD-004	AS REQD.	OXO PANEL LOCK STILE	6005-T5	-
34	-	AS REQD.	MULTI POINT LOCK	ST. STEEL	AMESBURY

REVISIONS	
NO.	DATE

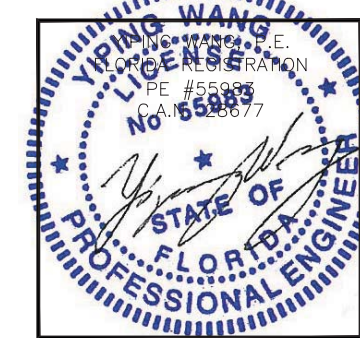
**MCY**

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

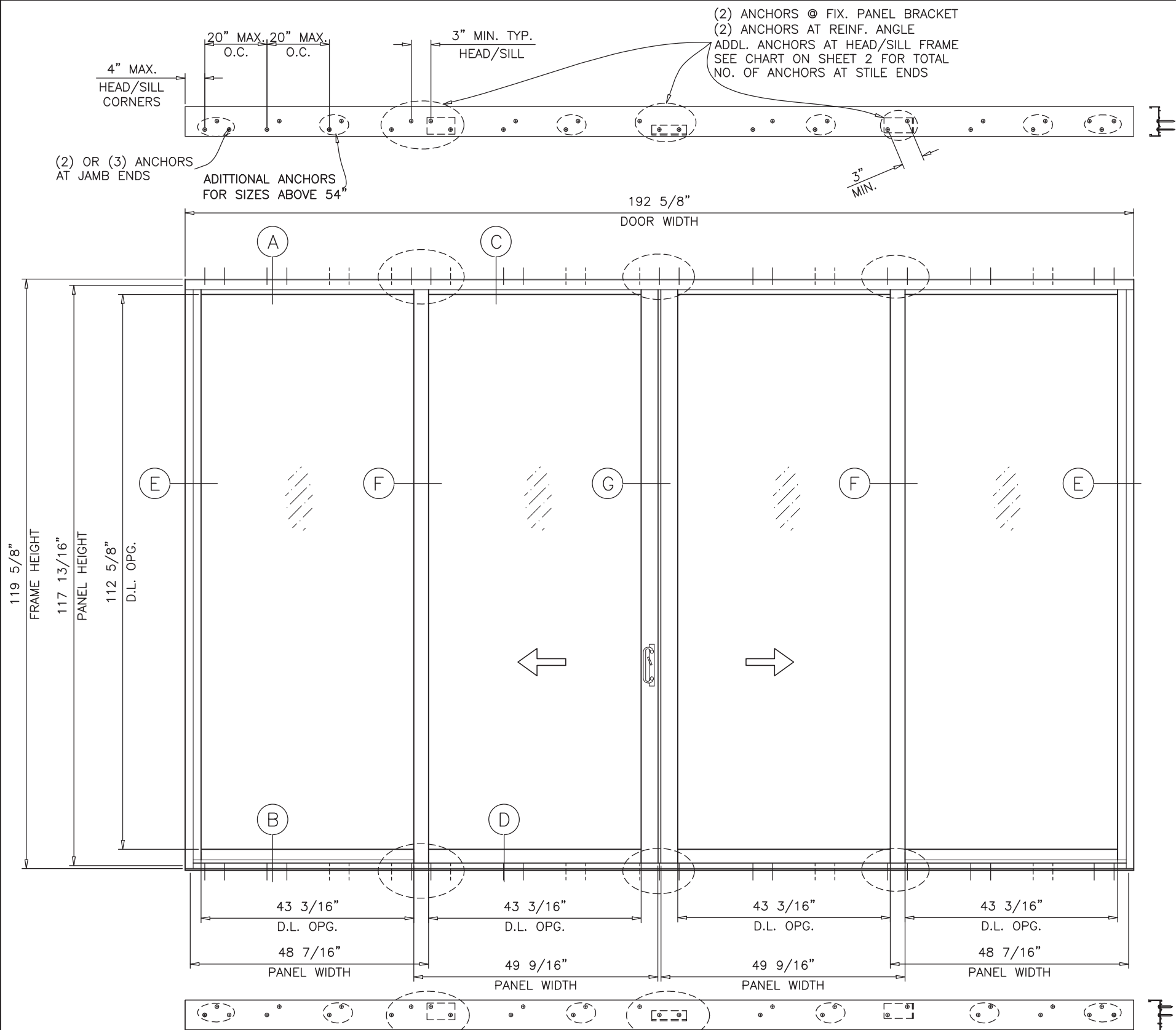
8501 SW 124 AVE. STE. 205A  
MIAMI, FL. 33183  
www.MCYEngineering.com

P: 305.271.0117  
F: 305.279.6818  
MCY.Engineering@Att.net

NRAP SERIES 6001 SLIDING GLASS DOOR (L.M.I.)  
NR ARCHITECTURAL PRODUCTS INC.  
4348 WESTROADS DRIVE  
WEST PALM BEACH, FL. 33407  
P: (561) 844 - 1121 F: (561) 844 - 6131



FLORIDA APPROVAL FL #21434.1	
DATE	11-09-16
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	16-085
DRAWING NO. AD16-38	
SHEET 7 of 7	



TYPICAL ELEVATION  
TESTED UNIT

LAMINATED GLASS  
SMALL MISSILE IMPACT

UNANCHORED JAMBS COMPLY WITH DEFLECTION  
OF L/180 AND ALLOWABLE STRESS LIMITATION

(2) ANCHORS @ FIX. PANEL BRACKET  
(2) ANCHORS AT REINF. ANGLE  
ADDL. ANCHORS AT HEAD/SILL FRAME  
SEE CHART ON SHEET 2 FOR TOTAL  
NO. OF ANCHORS AT STILE ENDS

DOORS ARE RATED FOR SMALL MISSILE IMPACT.  
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS ARE  
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.  
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

**SERIES-6001 ALUMINUM SLIDING GLASS DOOR**

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN  
ON SHEET 2.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH  
THE REQUIREMENTS OF THE 5TH EDITION FLORIDA BUILDING CODE  
(2014) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO  
TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS,  
ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL  
DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS  
ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN  
DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS,  
THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL  
MEET THE REQUIREMENTS OF THE 5TH EDITION FLORIDA BUILDING  
CODE (2014).

- LIMITATIONS OF USE**
- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
  - B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
  - C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
  - D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
  - E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL  
FL #21434.2

DATE 11-09-16  
SCALE AS NOTED  
DRAWN S.L.  
PROJECT 16-084

DRAWING NO.  
AD16-39

SHEET 1 of 7

YIPING WANG, P.E.  
PROFESSIONAL ENGINEER  
LICENSE #55983  
C.A.N. #55987

NO.	DATE	REVISIONS	DESCRIPTION

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
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P: 305.271.0117  
F: 305.279.6818  
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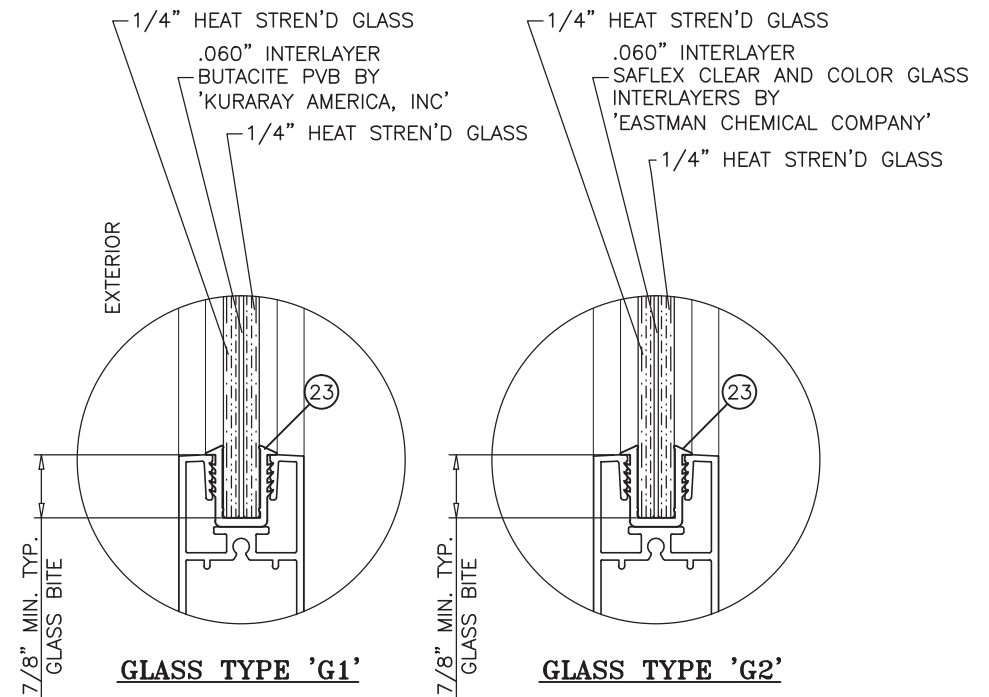


DESIGN LOAD CAPACITY - PSF									
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS TYPE 'C'	
		4 ANCHORS	5 ANCHORS	6 ANCHORS	2 ANCHORS	3 ANCHORS	4 ANCHORS	2 ANCHORS	3 ANCHORS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	80	139.9	140.0	140.0	107.9	140.0	140.0	140.0	140.0
42		126.0	140.0	140.0	97.2	140.0	140.0	140.0	140.0
48		116.1	140.0	140.0	89.6	134.4	140.0	131.8	140.0
54		107.1	136.4	140.0	84.1	126.2	140.0	123.8	140.0
60		104.1	130.1	140.0	80.3	120.4	140.0	118.1	140.0
36	84	131.4	140.0	140.0	101.3	140.0	140.0	140.0	140.0
42		118.0	140.0	140.0	91.0	136.5	140.0	133.9	140.0
48		108.4	135.5	140.0	83.6	125.4	140.0	123.0	140.0
54		101.4	126.8	140.0	78.2	117.3	140.0	115.1	140.0
60		96.4	120.4	140.0	74.3	111.5	140.0	109.3	140.0
36	90	120.4	140.0	140.0	92.9	139.3	140.0	136.7	140.0
42		107.7	134.7	140.0	83.1	124.6	140.0	122.2	140.0
48		98.5	123.2	140.0	76.0	114.0	140.0	111.8	140.0
54		91.8	114.7	137.7	70.8	106.2	140.0	104.1	140.0
60		86.7	108.4	130.1	66.9	100.3	133.8	98.4	140.0
36	96	111.2	139.0	140.0	85.7	128.6	140.0	126.2	140.0
42		99.1	123.9	140.0	76.4	114.7	140.0	112.5	140.0
48		90.3	112.9	135.5	69.7	104.5	139.3	102.5	140.0
54		83.8	104.7	125.7	64.6	96.9	129.2	95.1	140.0
60		78.8	98.5	118.3	60.8	91.2	121.6	89.5	134.2
36	102	103.2	129.0	140.0	79.6	119.4	140.0	117.1	140.0
42		91.8	114.7	137.7	70.8	106.2	140.0	104.1	140.0
48		83.4	104.2	125.1	64.3	96.5	128.6	94.6	140.0
54		77.1	96.4	100.0	59.4	89.2	100.0	87.5	100.0
36	108	96.4	100.0	100.0	74.3	100.0	100.0	100.0	100.0
42		85.4	100.0	100.0	65.9	98.8	100.0	96.9	100.0
48		77.4	96.8	100.0	59.7	89.6	100.0	87.9	100.0
36	114	90.3	100.0	100.0	69.7	100.0	100.0	100.0	100.0
42		79.9	99.9	100.0	61.6	92.5	100.0	90.7	100.0
48		72.3	90.3	100.0	55.7	83.6	100.0	82.0	100.0
36	120	85.0	100.0	100.0	65.6	98.4	100.0	96.5	100.0
42		75.1	93.9	100.0	57.9	86.9	100.0	85.2	100.0
48		67.8	84.7	100.0	52.3	78.4	100.0	76.9	100.0

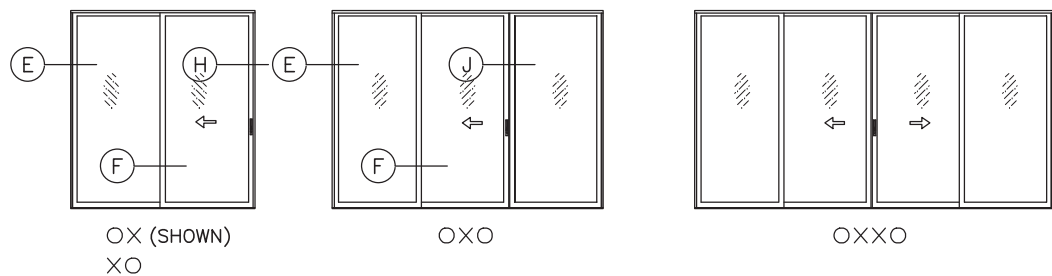
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

$$\text{PANEL WIDTH NOMINAL} = \frac{\text{DOOR WIDTH}}{\text{NUMBER OF PANELS}}$$

D.L. OPENING  
D.L.O. HEIGHT = PANEL HEIGHT - 5.1875"  
D.L.O. WIDTH FIX. PANEL = PANEL WIDTH - 5.250"  
D.L.O. WIDTH MOV. PANEL = PANEL WIDTH - 6.375"



**GLAZING OPTIONS**  
9/16" OVERALL LAMINATED GLASS



APPROVED CONFIGURATIONS

REVISIONS	NO.	DATE	DESCRIPTION

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

**MCY**

8501 SW 124 AVE. STE. 205A  
MIAMI, FL. 33183  
P: 305.271.0117  
F: 305.279.6818  
www.MCYEngineering.com  
MCY.Engineering@Att.net

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6001 SLIDING GLASS DOOR (S.M.I.)

4348 WESTROADS DRIVE  
WEST PALM BEACH, FL. 33407  
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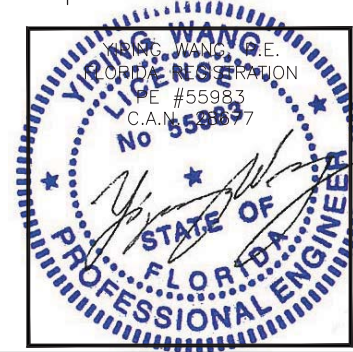
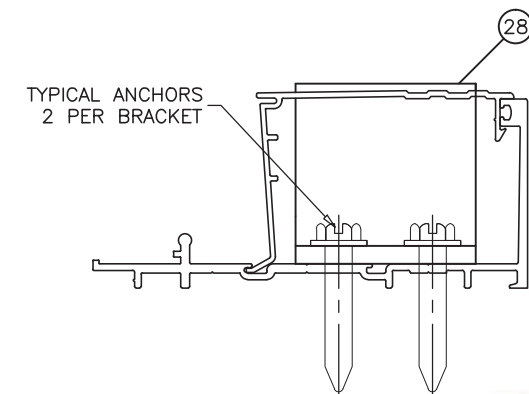
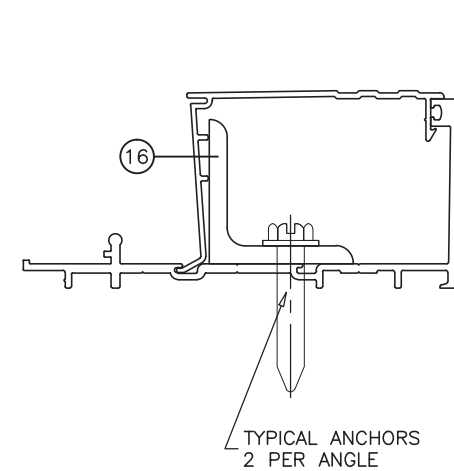
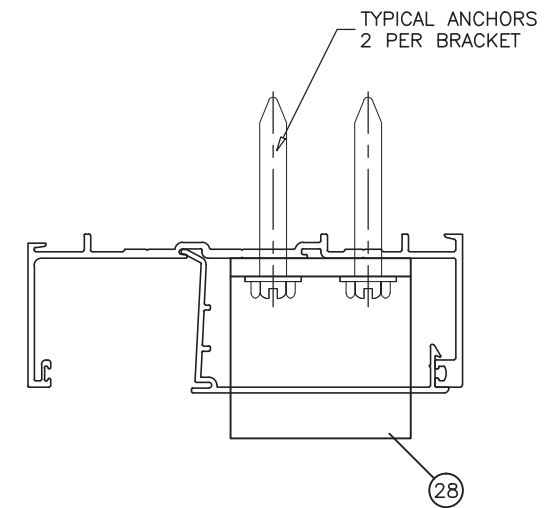
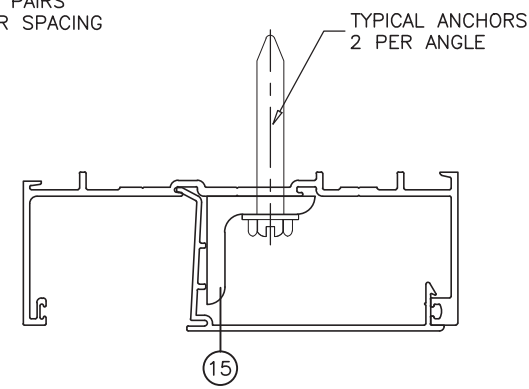
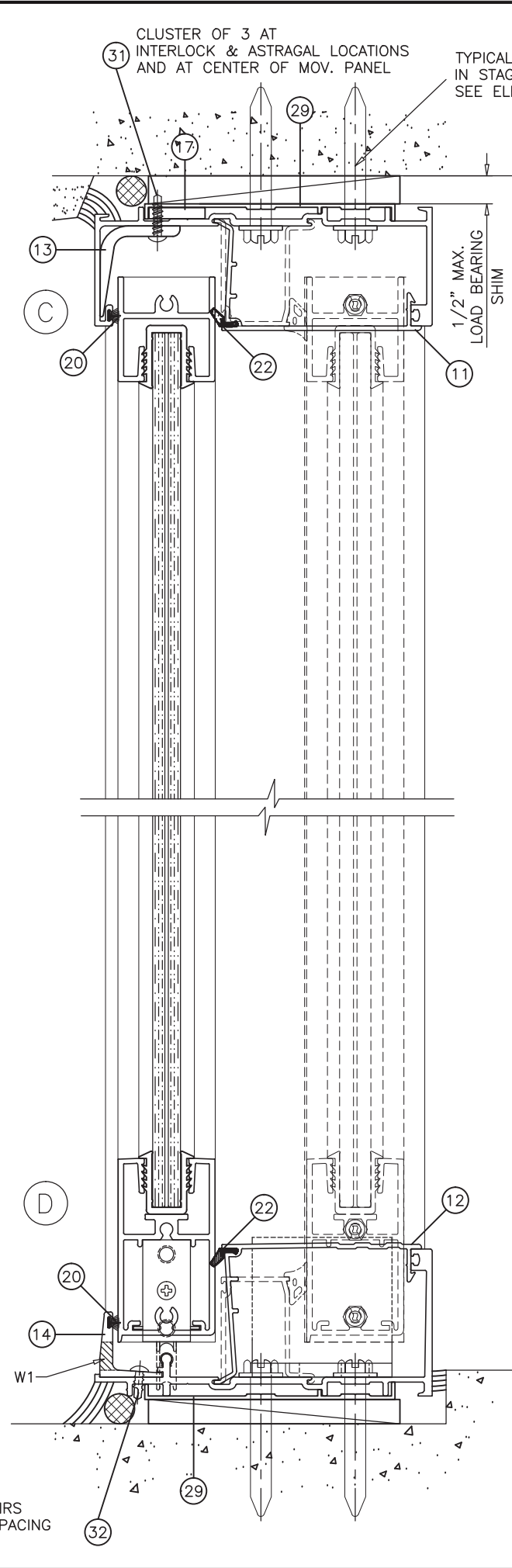
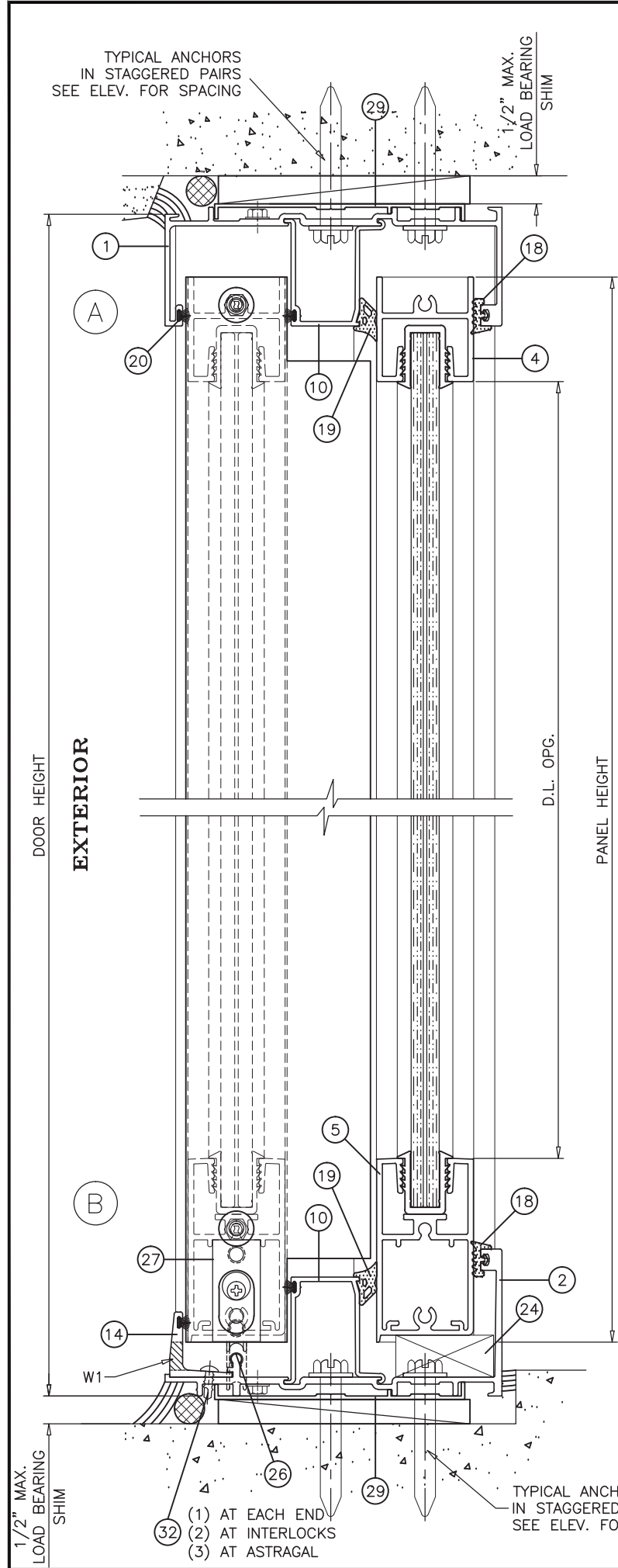
FLORIDA APPROVAL  
FL #21434.2

YIPING WANG, P.E.  
LICENSED PROFESSIONAL ENGINEER  
No. 55983  
C.A.N. 00007

DATE: 11-09-16  
SCALE: AS NOTED  
DRAWN: S.L.  
PROJECT: 16-084

DRAWING NO.  
AD16-39

SHEET 2 of 7



NO.	DATE	DESCRIPTION

**MCY ENGINEERING, INC.**  
 GLAZING CONSULTANTS

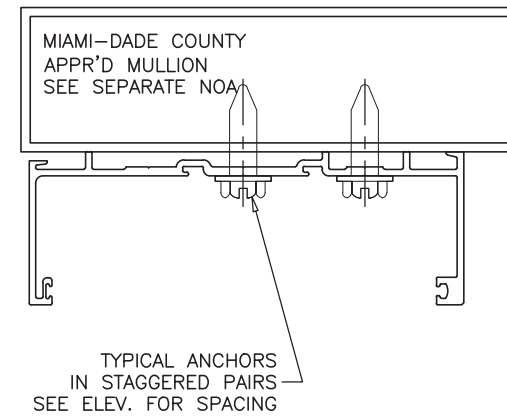
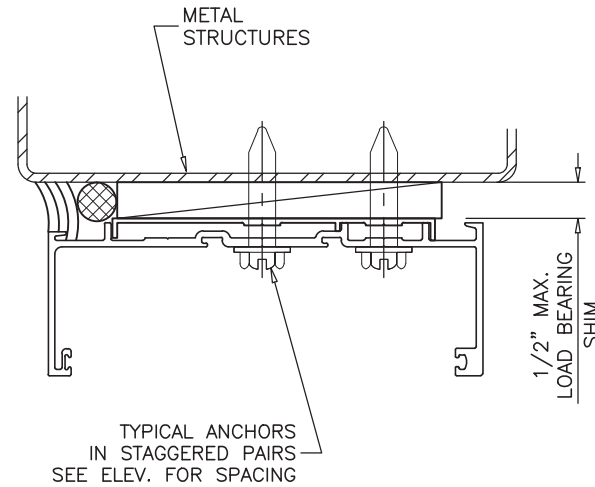
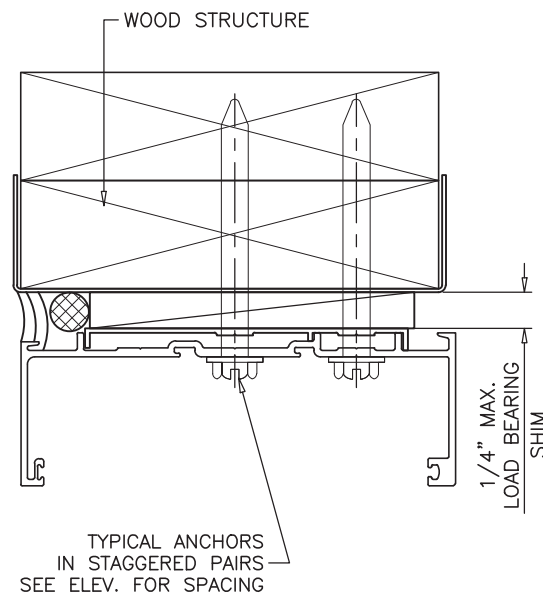
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FLORIDA APPROVAL FL #21434.2	
DATE	11-09-16
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DRAWING NO. AD16-39	
SHEET 3 of 7	

November 30th, 2016



WOOD BUCKS AND METAL STRUCTURES NOT BY N.R. WDW. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

- TYPE 'A'** - 5/16" DIA. ULTRACON (Fu = 177 KSI, Fy = 155 KSI)  
 INTO WOOD (SG=0.55)  
 WITH 1-1/2" MIN. EMBED.  
 OR THRU 1X OR 2X WOOD BUCK INTO CONCRETE  
 WITH 1-1/4" MIN. EMBED.
- TYPE 'B'** - 3/8" DIA. POWERS WEDGE-BOLT ANCHOR (Fu = 100 KSI, Fy = 65 KSI)  
 INTO WOOD STRUCTURES (SG=0.55)  
 WITH 2-1/4" MIN. EMBED  
 3/8" DIA. POWERS WEDGE-BOLT ANCHOR (Fu = 100 KSI, Fy = 65 KSI)  
 INTO CONCRETE, fc'=3000 PSI  
 WITH 1-1/2" MIN. EMBED  
 5/16" DIA. ULTRACON (Fu = 177 KSI, Fy = 155 KSI)  
 INTO CONCRETE, fc'=3000 PSI  
 WITH 1-3/4" MIN. EMBED.
- TYPE 'C'** - 3/8" DIA. MACHINE BOLT GRADE 5 W/ WASHER & NUT (Fu = 120 KSI, Fy = 92 KSI)  
 INTO METAL STRUCTURES  
 STEEL : 12 GA. THK. MIN. (Fy = 36 KSI MIN.)  
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)  
 ANCHOR EDGE DISTANCES  
 INTO CONCRETE = 3" MIN.  
 INTO WOOD STRUCTURE = 1-1/2" MIN.  
 INTO METAL STRUCTURE = 1" MIN.

**SEALANTS:**

ALL FRAME CORNERS AND JOINTS SEALED WITH DOW-795 OR TREMCO SPECTREM 2 SILICONE SEALANT.

**WEEPHOLES:**

- W1 = 1-1/2" X 1/2" WEEP SLOTS  
 (1) AT CENTER OF EACH PANEL  
 (1) AT EACH SIDE OF INTERLOCK  
 (1) AT ASTRAGAL STILE



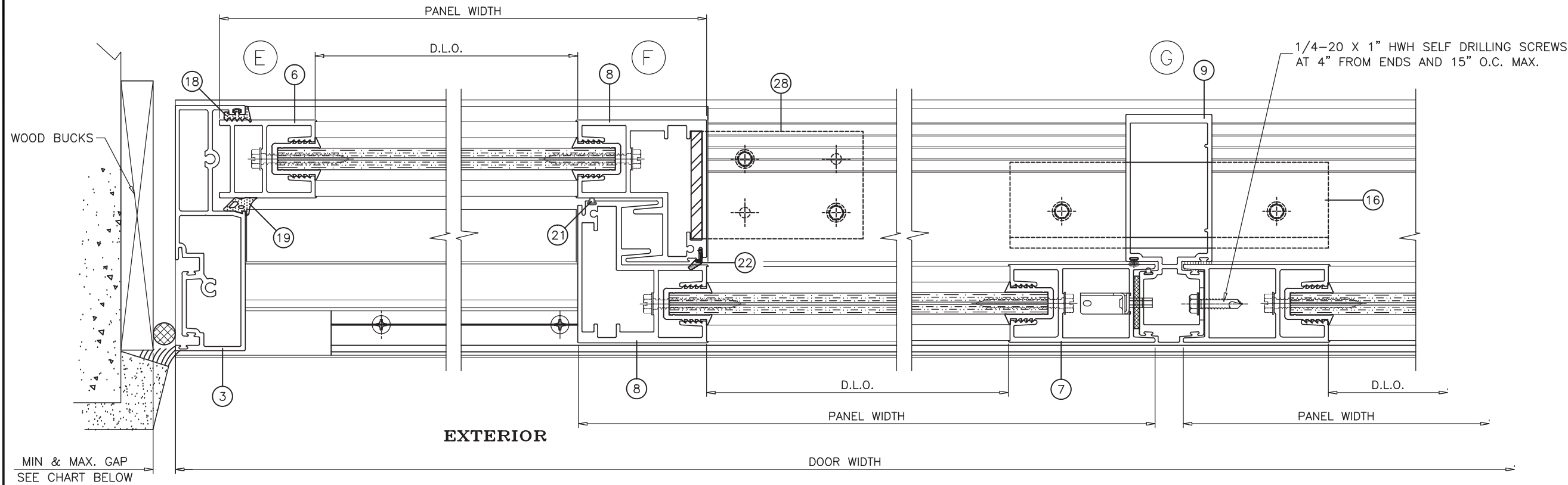
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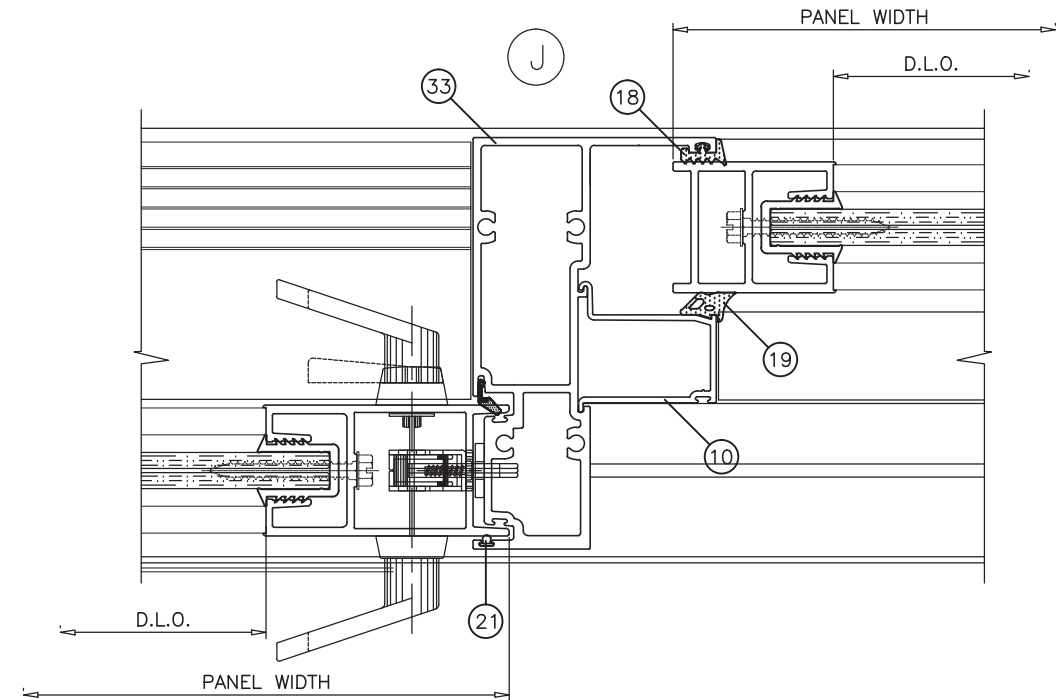
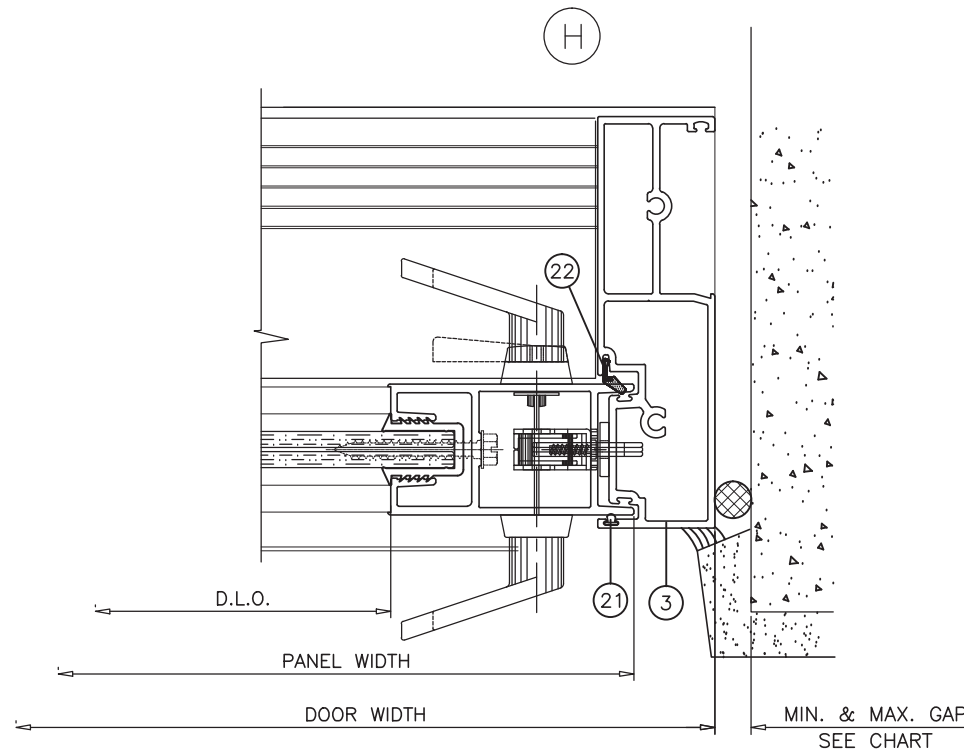
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FLORIDA APPROVAL FL #21434.2	
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DRAWING NO. AD16-39	
SHEET 4 of 7	



MIN & MAX. GAP  
SEE CHART BELOW

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
114"	3/8"	1/2"
119 5/8"	1/2"	3/4"

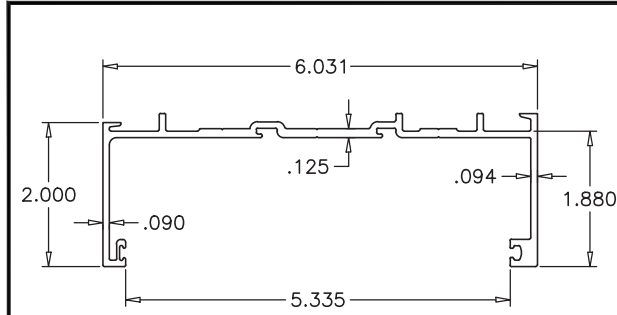


NO.	DATE	DESCRIPTION

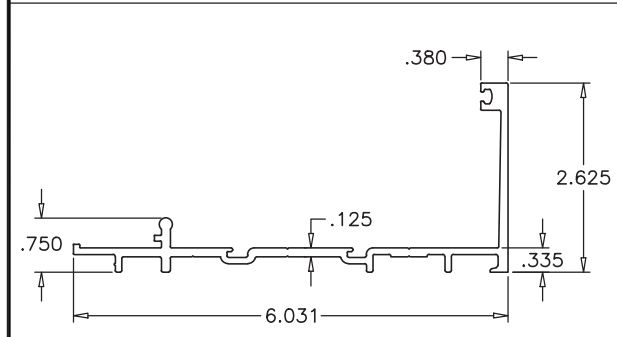
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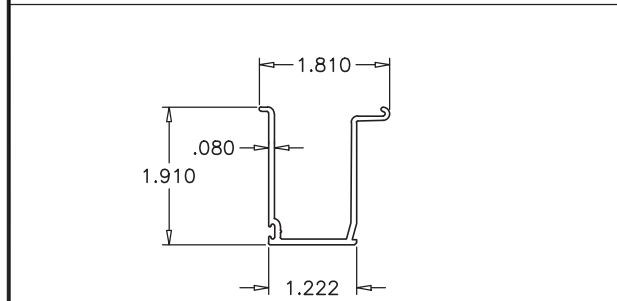
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DATE	11-09-16
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DRAWN	S.L.
PROJECT	16-084
DRAWING NO. AD16-39	
SHEET 5 of 7	



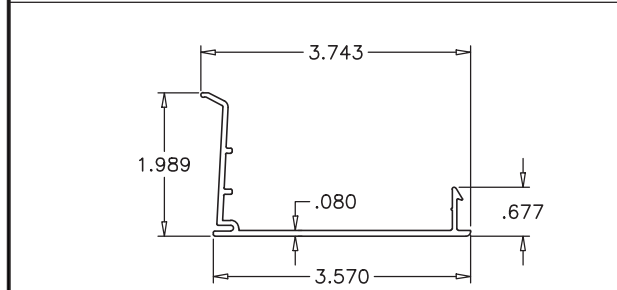
① FRAME HEAD



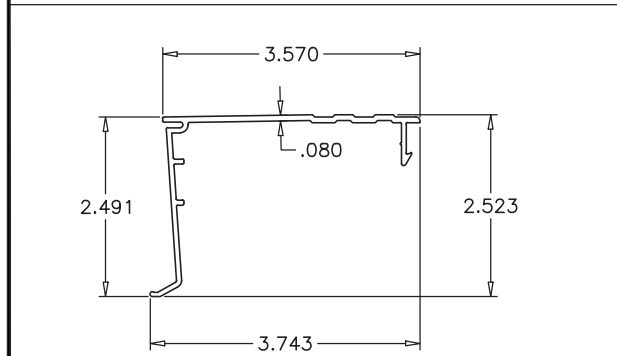
② FRAME SILL



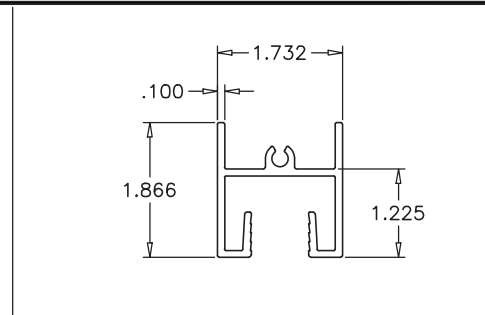
⑩ FIX. PANEL STOP



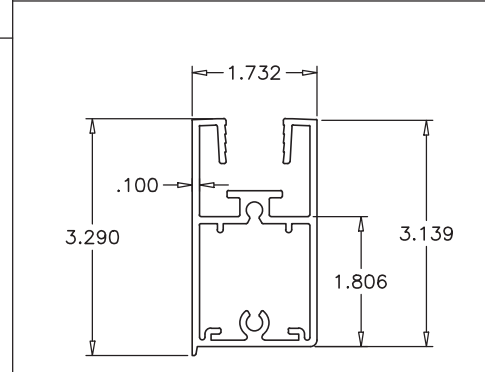
⑪ HEAD TRIM



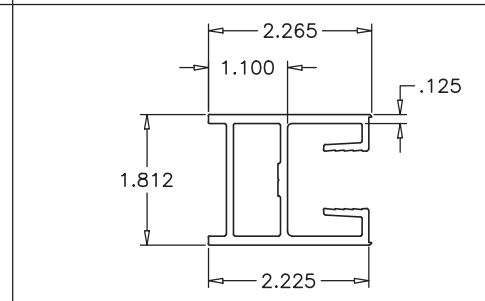
⑫ SILL THRESHOLD TRIM



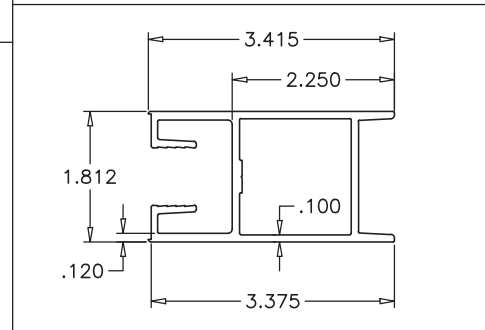
④ PANEL TOP RAIL



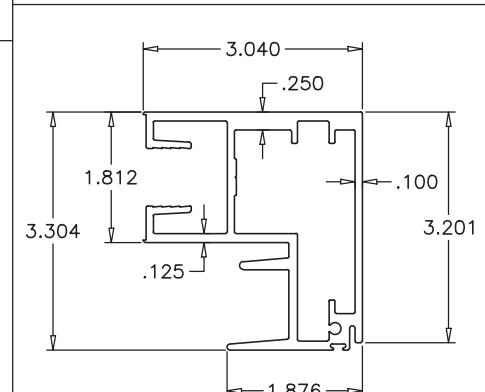
⑤ PANEL BOTTOM RAIL



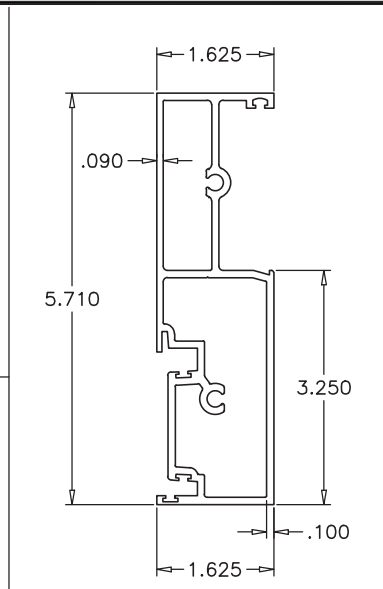
⑥ FIX. PANEL JAMB STILE



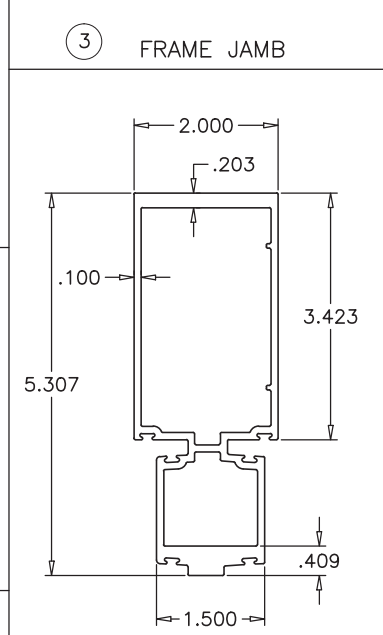
⑦ OPERATING PANEL JAMB STILE



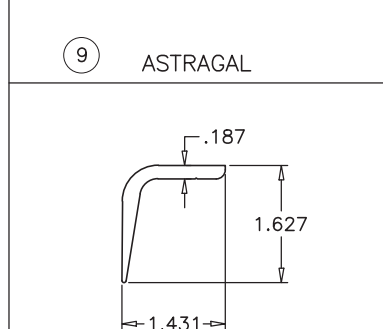
⑧ INTERLOCK STILE



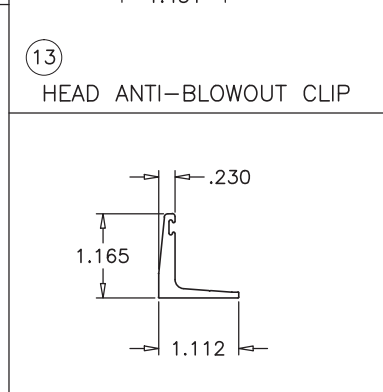
③ FRAME JAMB



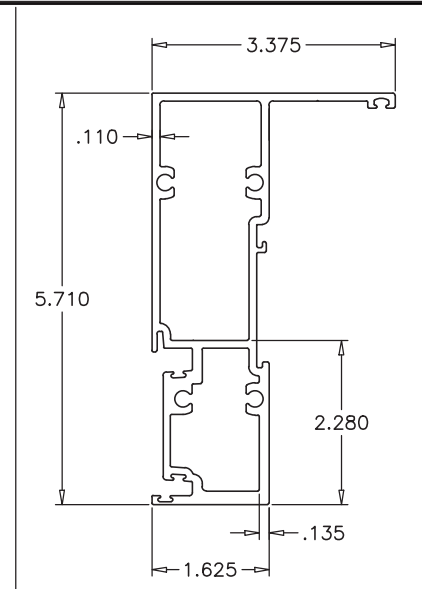
⑨ ASTRAGAL



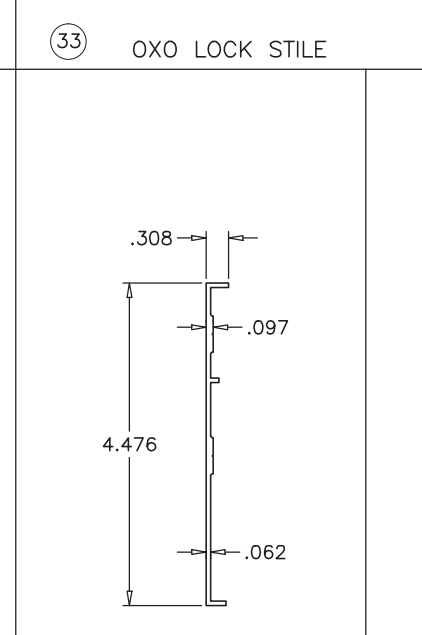
⑬ HEAD ANTI-BLOWOUT CLIP



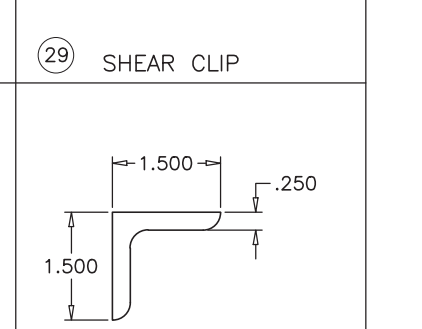
⑭ SILL ANTI-BLOWOUT CLIP



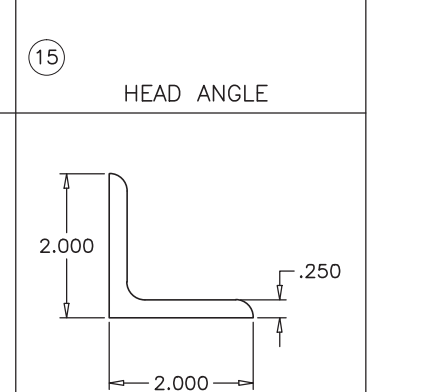
③③ OXO LOCK STILE



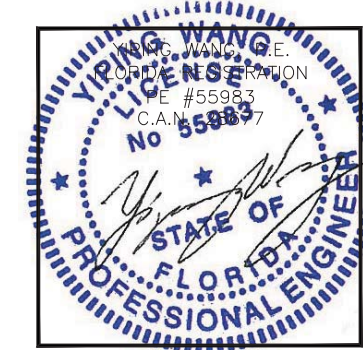
②⑨ SHEAR CLIP



⑮ HEAD ANGLE



⑮ SILL ANGLE

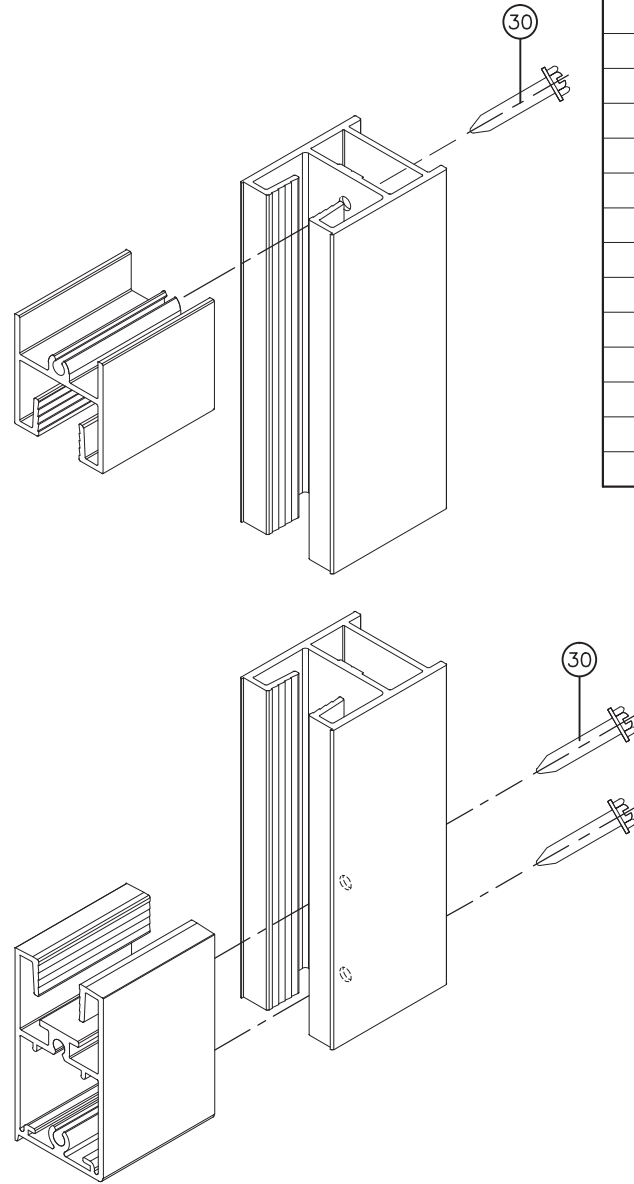
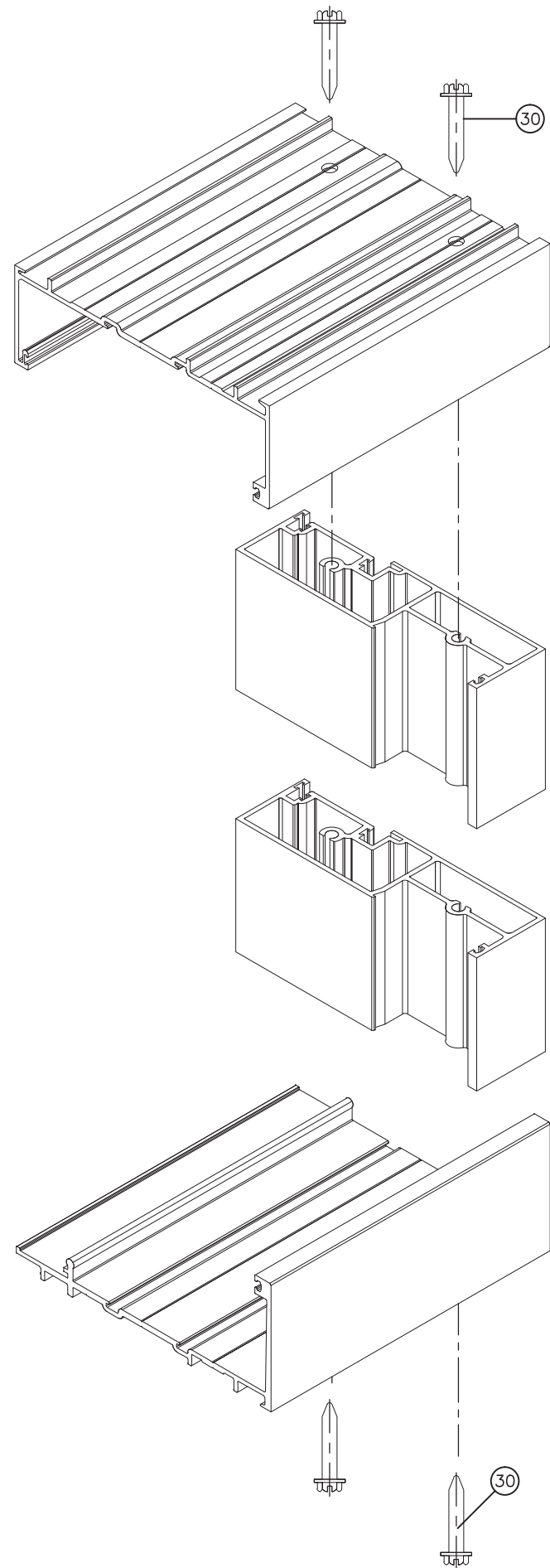


REVISIONS	
NO.	DATE

**MCY ENGINEERING, INC.**  
 GLAZING CONSULTANTS  
 8501 SW 124 AVE. STE. 205A  
 MIAMI, FL 33183  
 P: 305.271.0117  
 F: 305.279.6818  
 www.MCYEngineering.com  
 MCY.Engineering@Att.net

NRAP SERIES 6001 SLIDING GLASS DOOR (S.M.I.)  
 NR ARCHITECTURAL PRODUCTS INC.  
 4348 WESTROADS DRIVE  
 WEST PALM BEACH, FL. 33407  
 P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL FL #21434.2	
DATE	11-09-16
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	16-084
DRAWING NO. AD16-39	
SHEET 6 of 7	



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SD-001	1	FRAME HEAD	6005-T5	-
2	SD-002	1	FRAME SILL	6005-T5	-
3	SD-003	1	FRAME JAMB	6005-T5	-
4	SD-006	2/ PANEL	TOP RAIL	6005-T5	-
5	SD-007	2/ PANEL	BOTTOM RAIL	6005-T5	-
6	SD-008	AS REQD.	FIX. PANEL JAMB STILE	6005-T5	-
7	SD-010	AS REQD.	OPERATING PANEL JAMB STILE	6005-T5	-
8	SD-009	AS REQD.	INTERLOCK STILE	6005-T5	-
9	SD-005	AS REQD.	ASTRAGAL STILE	6005-T5	-
10	SD-011	AS REQD.	FIX. PANEL STOP	6005-T5	-
11	SD-013	-	HEAD TRIM	6005-T5	-
12	SD-012	-	SILL THRESHOLD TRIM	6005-T5	-
13	SD-014	1	HEAD ANTI-BLOWOUT CLIP	6005-T5	AT MOV. PANELS ONLY
14	SD-015	1	SILL ANTI-BLOWOUT CLIP	6005-T5	LENGTH = FRAME WIDTH - 9"
15	NR-A1	-	HEAD REINF. ANGLE	STEEL	7-3/8" LONG
16	NR-A2	-	SILL REINF. ANGLE	STEEL	7-3/8" LONG
17	NR-A3	-	BACK UP PLATE	ALUM	1 X 4 X 1/4"
18	NR-G8	AS REQD.	PRESET GASKET	EPDM SPONGE	TR-15094E
19	NR-G9	AS REQD.	WEDGE GASKET	EPDM 70 DURO	TR-0436E
20	NR-G10	AS REQD.	FINPILE W'STRIPPING (.187W X .260H)	-	-
21	NR-G11	AS REQD.	BULB GASKET	VINYL	Q200T190 Q-LON
22	NR-G12	AS REQD.	FINGER GASKET	-	QEZD 250 Q-LON
23	NR-G13	AS REQD.	GLAZING GASKET	80 DURO	TR-15292W
24	NR-G15	AS REQD.	FIX. PANEL SETTING BLOCK	EPDM 80 DURO	4" LONG
25	NR-G16	AS REQD.	DOOR STOP	-	-
26	NR-A4	-	TRACK COVER	ST/ST	-
27	NR-A5	2/ MOV. PANEL	DUAL TANDEM ROLLER ASSEMBLY	ST/ST	DELTA
28	NR-A6	-	FIX. PANEL ANGLE BRACKET	ALUM	3 X 4 X 1/4" X 2-1/2" LONG
29	NR-A7	AS REQD.	SHEAR CLIP CONTINUOUS	6005-T5	-
30	NR-F4	AS REQD.	FRAME/PANEL ASSEMBLY SCREWS	-	1/4-20 X 1-1/2" HWH TC
31	NR-F5	-	HEAD ANTI-BLOWOUT CLIP FASTENERS	-	1/4-20 X 3/4" HWH MS
32	NR-F6	-	SILL ANTI-BLOWOUT CLIP FASTENERS	-	#12 X 1/4" X 1/2" PHP SMS
33	SD-004	AS REQD.	OXO PANEL LOCK STILE	6005-T5	-
34	-	AS REQD.	MULTI POINT LOCK	ST. STEEL	AMESBURY

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YIPING WANG, P.E.  
PROFESSIONAL ENGINEER  
LICENSE #55983  
C.A.N. 0000077

FLORIDA APPROVAL  
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SHEET 7 of 7