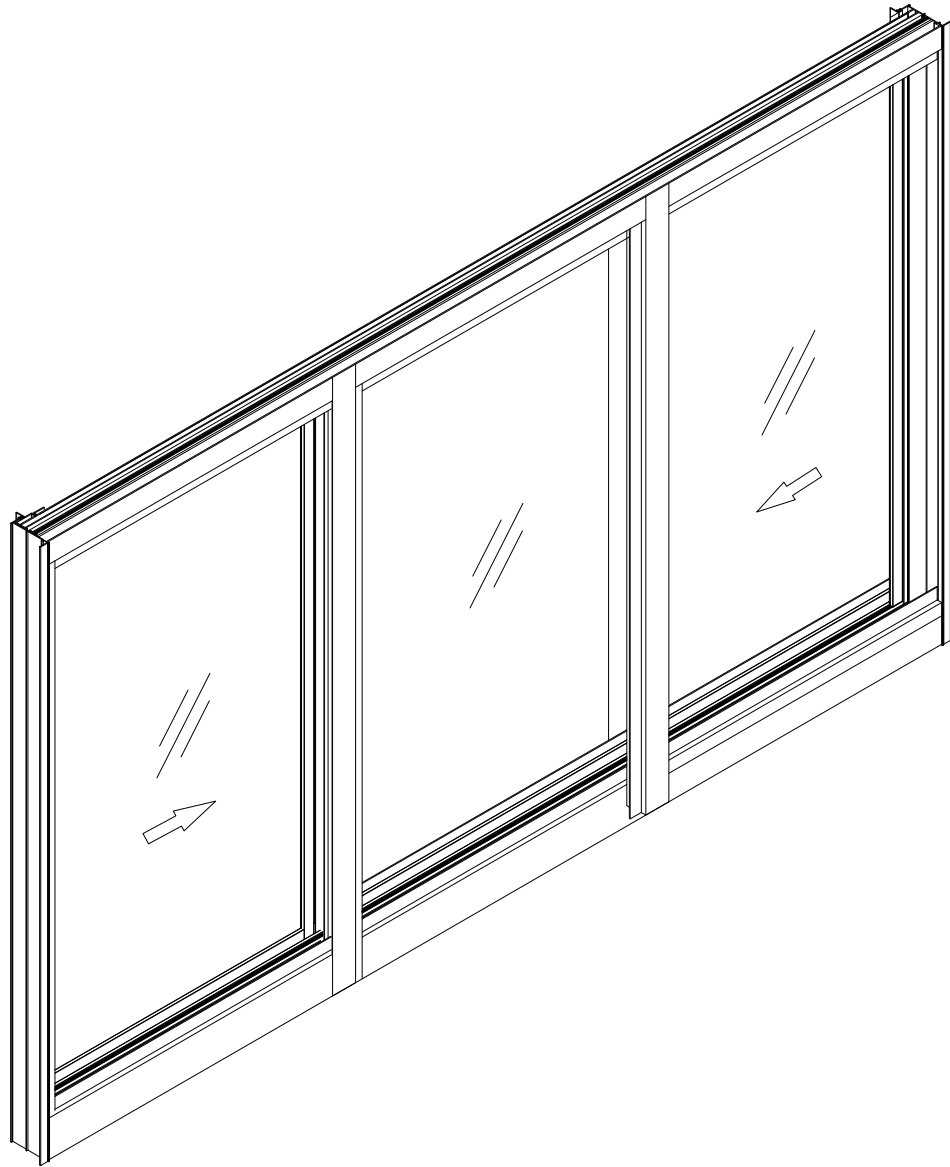


SHEET INDEX	
01	COVER PAGE
02	TYPICAL ELEVATION
03	GLASS DETAIL
04	SECTION DETAILS
05	SECTION DETAILS
06	SECTION DETAILS
07	ANCHOR / BILL OF MATERIAL
08	PROFILE DETAIL
09	PROFILE DETAIL
10	INSTALLATION DETAILS
TO OBTAIN AUTOCAD/REVIT COMPATIBLE DETAILS OF THIS PRODUCT, KINDLY GET IN TOUCH WITH US CONTACTING US VIA OUR OFFICIAL EMAIL ADDRESS: CONTACT@JA-PE.COM.	

ALUMINUM HORIZONTAL SLIDER WINDOW

(*LARGE & SMALL MISSILE IMPACT*) (*HVHZ*)



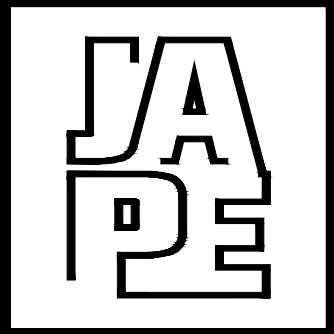
GENERAL NOTES

- THIS SYSTEM PRESENTED HEREIN HAS UNDERGONE DESIGN AND TESTING IN FULL COMPLIANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) AND IS INTENDED FOR USE IN HIGH VELOCITY HURRICANE ZONE PER TAS 201/202/203.
- THE DESIGN PRESSURES OUTLINED IN THIS DOCUMENT ARE DERIVED FROM MAXIMUM TESTED PRESSURES AND INCORPORATE A 1.5 SAFETY FACTOR.
- THE PRESSURES PROVIDED IN THIS CERTIFICATION ARE DETERMINED USING THE ALLOWABLE STRESS DESIGN METHOD (ASD).
- THIS PRODUCT HAS BEEN RIGOROUSLY TESTED IN ACCORDANCE WITH THE STANDARDS DESCRIBED IN NOTE 1 OF THE GENERAL NOTES. IT IS CONFIRMED TO BE RESISTANT TO LARGE MISSILE IMPACT, THEREBY NOT NECESSITATING THE USE OF IMPACT-RESISTANT SHUTTERS.
- THE DESIGN OF THIS SYSTEM DOES NOT INCORPORATE A 33-1/3% INCREASE IN ALLOWABLE STRESS. FOR WOOD ANCHOR DESIGN, A WIND LOAD DURATION FACTOR OF CD=1.6 HAS BEEN EMPLOYED.
- THE ARCHITECT/ENGINEER OF RECORD RESPONSIBLE FOR THE PROJECT'S SUPERSTRUCTURE, WITH WHICH THIS DESIGN IS ASSOCIATED, SHALL ENSURE THE INTEGRITY OF ALL SUPPORTING SURFACES. COORDINATION WITH THE PERMITTING CONTRACTOR IS REQUIRED, AND PROPER ANCHORING OF WOOD BUCKS (BY OTHERS) MUST FACILITATE LOAD TRANSFER TO THE EXISTING STRUCTURE.

- THE DETAILS OF THE SYSTEM PROVIDED HEREIN ARE OF A GENERIC NATURE AND DO NOT OFFER SPECIFIC SITE INFORMATION. FOR SITE CONDITIONS THAT DIFFER FROM THOSE SPECIFIED HERE, A LICENSED ENGINEER OR REGISTERED ARCHITECT MUST PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS CERTIFICATION.
- THE CONTRACTOR IS ACCOUNTABLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS (E.G., STEEL WITH ALUMINUM).
- THE SUBSTITUTION OF FASTENERS DESCRIBED IN THIS CERTIFICATION IS PERMISSIBLE, PROVIDED THE ALTERNATIVE ANCHOR EXHIBITS STRENGTH EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE GRANTED BY RELEVANT AUTHORITIES.
- THE WOOD SCREWS REFERENCED IN THIS CERTIFICATION MUST MEET A MINIMUM GRADE OF 2 (FU = 74,000 PSI).
- THE ENGINEER'S SEAL AFFIXED HERE VALIDATES THE STRUCTURAL DESIGN AS PRESENTED SOLELY. ANY USE OF THIS SPECIFICATION BY THE CONTRACTOR OR OTHERS INDEMNIFIES AND SAVES THE ENGINEER HARMLESS FROM ALL COSTS AND DAMAGES, INCLUDING LEGAL FEES AND APPELLATE FEES ARISING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THE SCOPE CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES OR DEVIATIONS FROM THE PLAN.
- NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED BEYOND WHAT IS EXPRESSLY PROVIDED IN THIS DOCUMENT.

- ALTERATIONS, ADDITIONS, OR ANY MARKINGS TO THIS DOCUMENT ARE STRICTLY PROHIBITED AND WILL INVALIDATE THIS CERTIFICATION.
- PROPER SAFETY MEASURES MUST BE OBSERVED DURING THE INSTALLATION AND USE OF THIS SYSTEM, EVEN THOUGH THEY ARE NOT EXPLICITLY LISTED IN THIS CERTIFICATION.
- EACH PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM, CONTAINING THE FOLLOWING REQUIRED INFORMATION:
PLAZA DOOR COMPANY
4425 SW CARGO WAY
PALM CITY , FL 34990
PH: (561) 578-5450
info@plazadoorcompany.com

FL# 47003

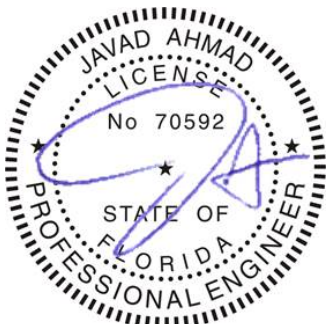


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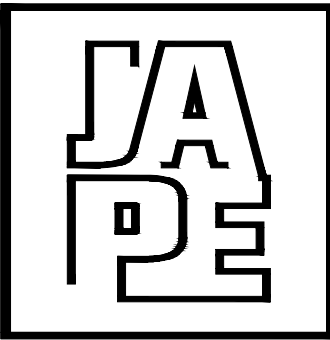
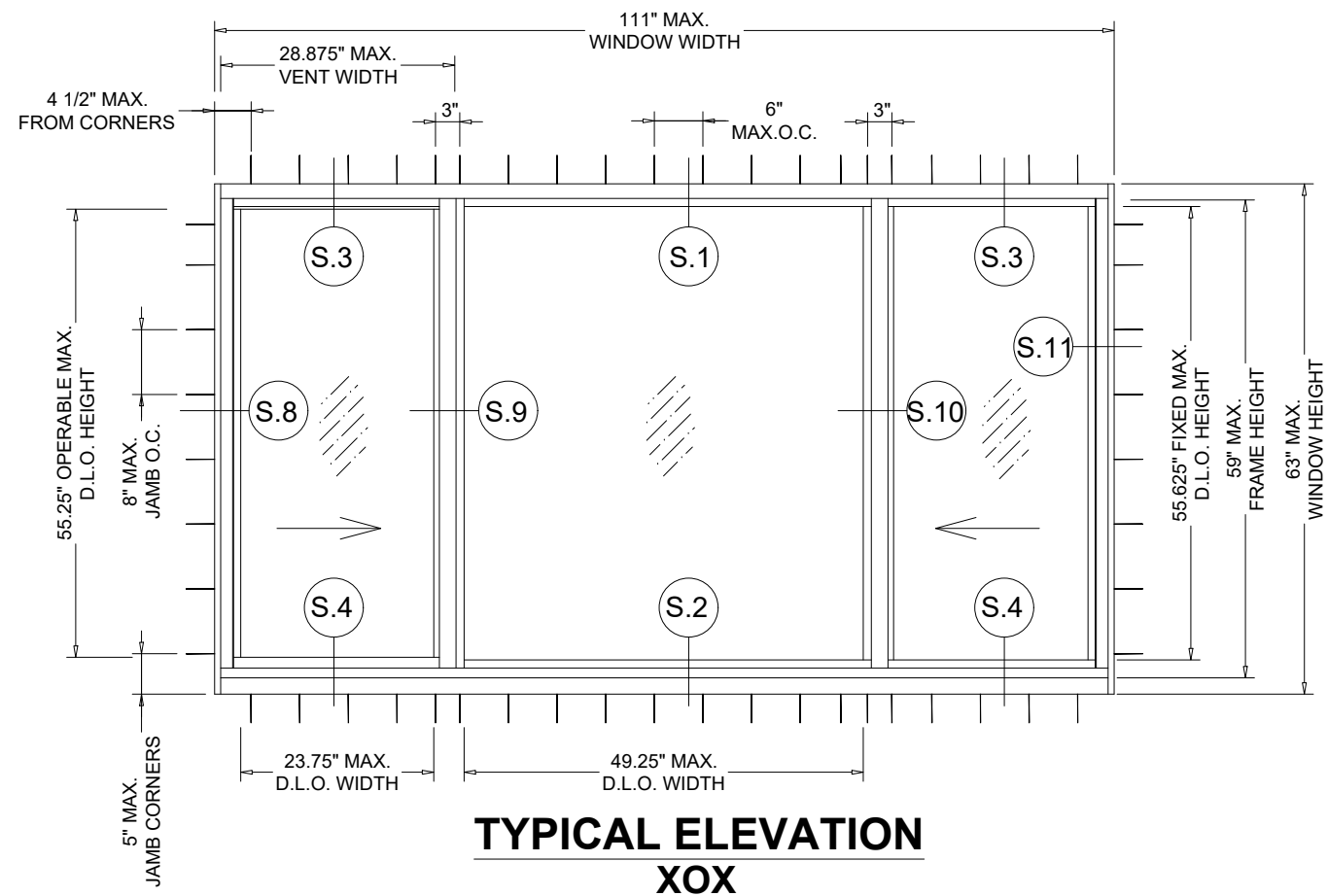
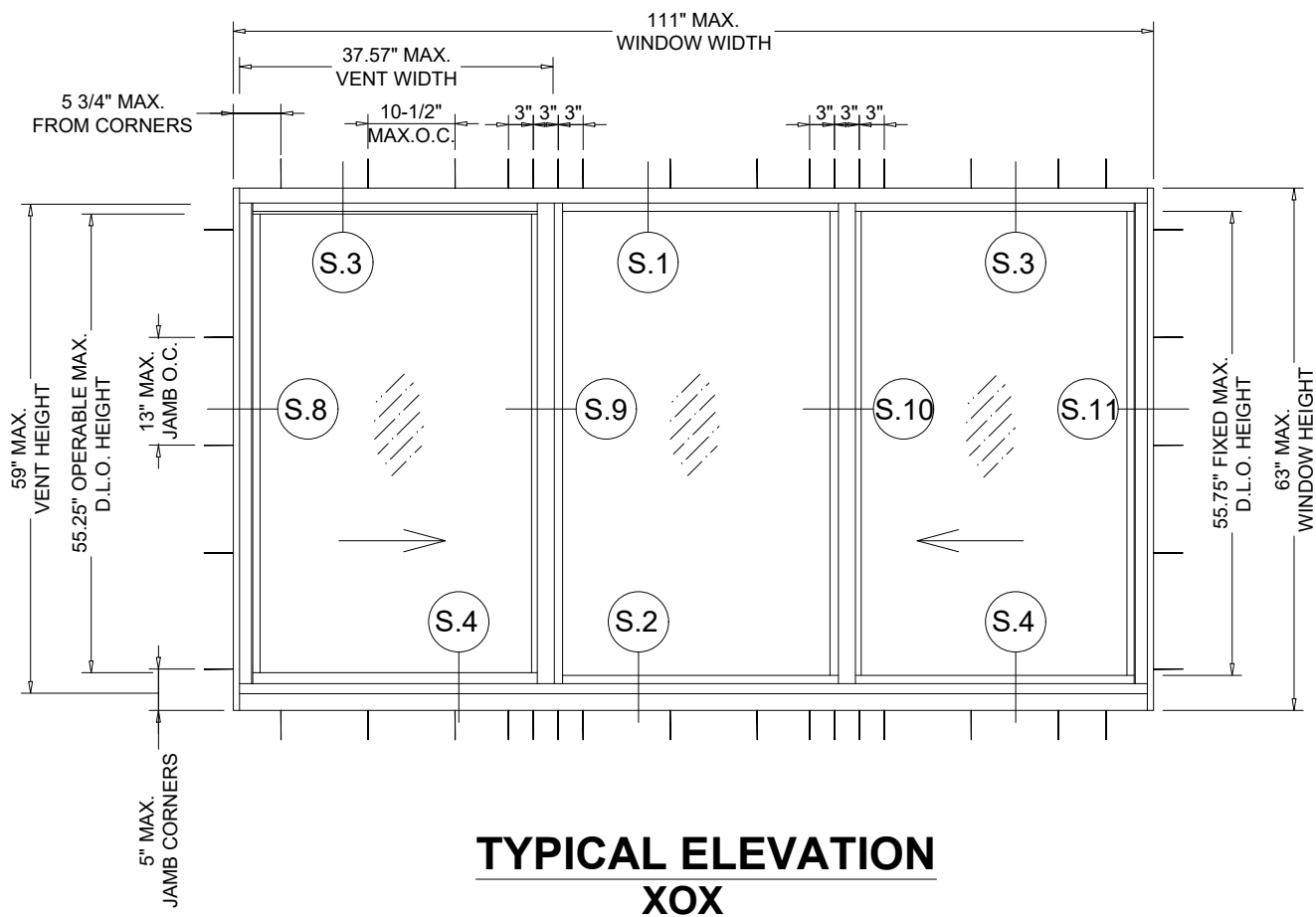
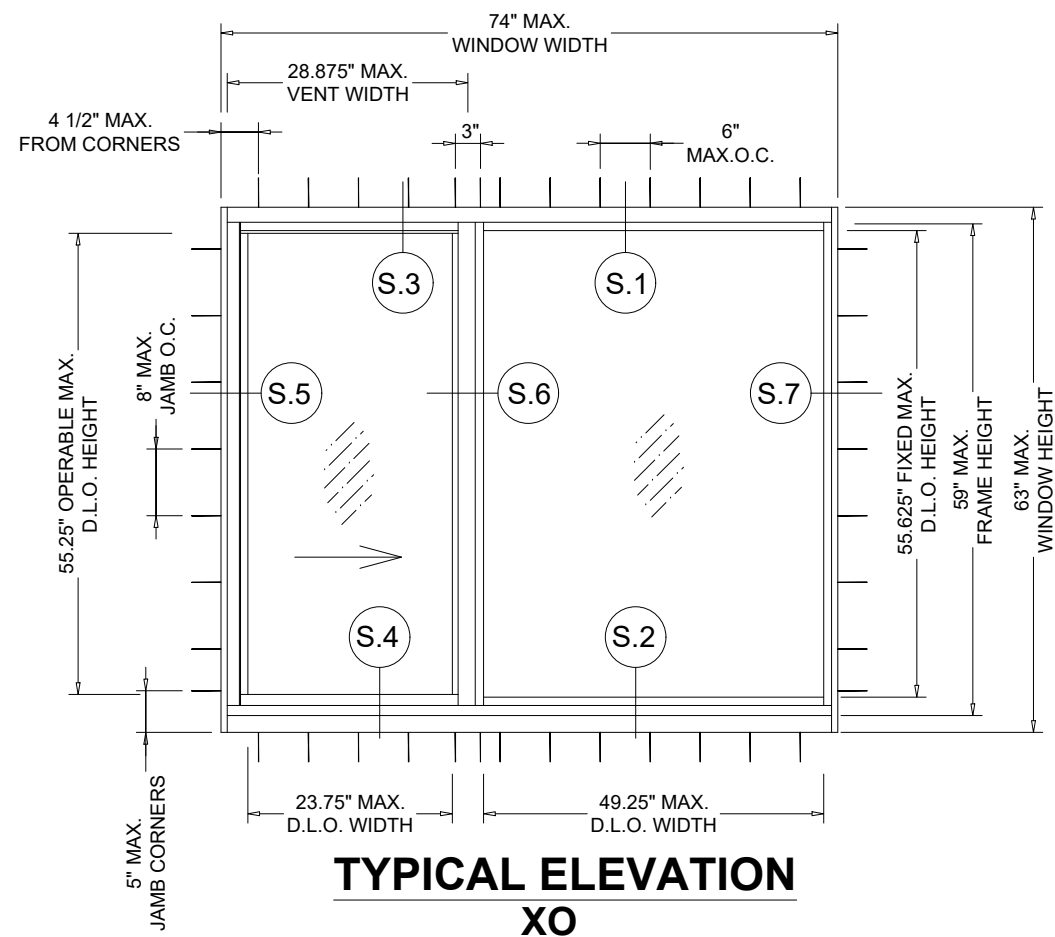
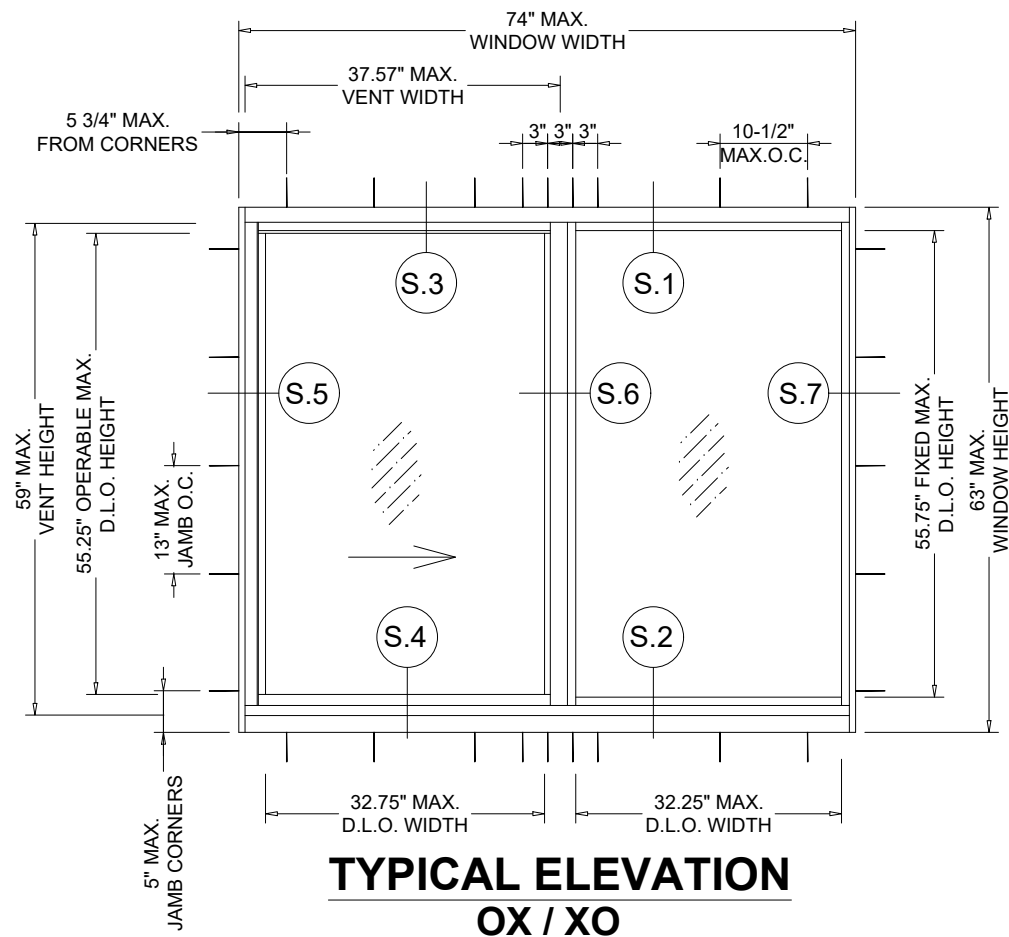
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ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :			
ALUMINUM HORIZONTAL SLIDER WINDOW (HVHZ) (IMPACT)			
CLIENT :			
NUEVO FLORIDA VENTURE, LLC D/B/A PLAZA DOOR			
4425 SW CARGO WAY, PALM CITY FL 34990, UNITED STATES			
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COVER PAGE	SHEET No. 1 OF 10
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ALUMINUM HORIZONTAL
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TYP. ELEVATION

SHEET No.
2 OF 10

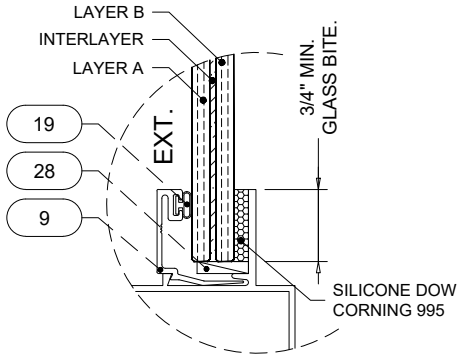
FL# 47003

- GLAZING NOTES:
- GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4" SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 - D.L.O. AND DESIGN PRESSURE MAY NOT EXCEED MAX VALUES IN GLASS CHARTS.

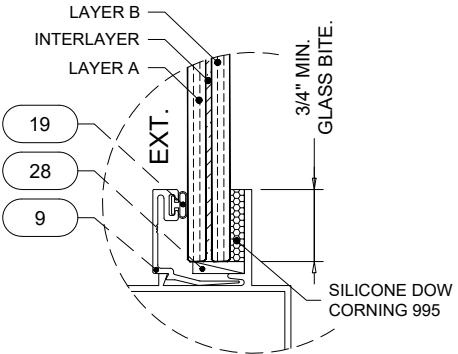
NOTE:
LAMINATED GLASS SHOWN
INSULATED GLASS QUALIFIED.

QUALIFIED GLASS UNDER
THIS APPROVAL
(GLASS TYPE - A,B,C,D,E)

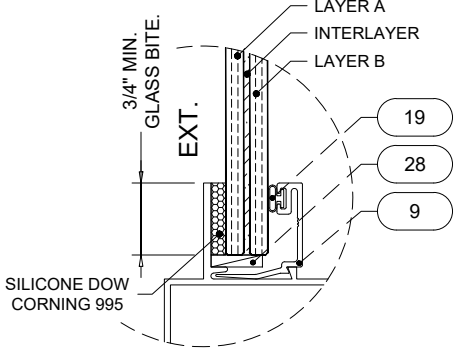
GLAZING DETAILS / DESIGN PRESSURE (LMI / SMI)				
GLASS TYPE	LAYER A	INTERLAYER	LAYER B	DESIGN PRESSURE
A (SR.2041)	3/16" CLEAR H.S. GLASS	0.090" TROFISOL PVB INTERLAYER BY 'KURARAY	3/16" CLEAR H.S. GLASS	+75 / -85 PSF
B (SR.2062)	3/16" CLEAR H.S. GLASS	0.090" SENTRYGLAS INTERLAYER BY 'KURARAY	3/16" CLEAR H.S. GLASS	+75 / -100 PSF



GLASS TYPE 'A'
SERIES 2041
7/16" OVERALL
LAMINATED GLASS

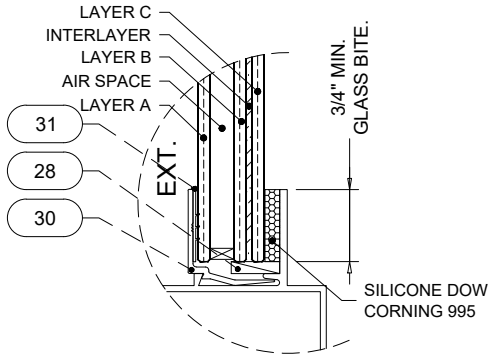


GLASS TYPE 'B'
SERIES 2062
7/16" OVERALL
LAMINATED GLASS



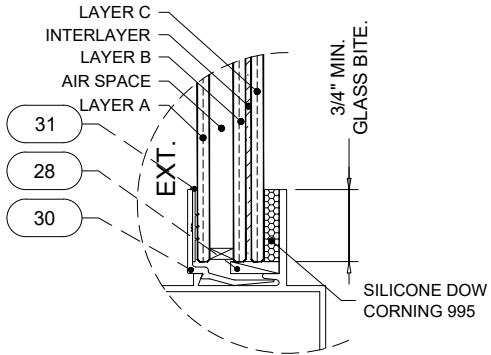
FIXED UNIT GLAZING

GLAZING DETAILS / DESIGN PRESSURE (LMI / SMI)						
GLASS TYPE	LAYER A	AIR SPACE	LAYER B	INTERLAYER	LAYER C	DESIGN PRESSURE
C (SR.2280)	1/8" TEMPERED GLASS	1/4" AIR SPACE	1/8" ANNEALED GLASS	0.090" TROFISOL PVB INTERLAYER BY 'KURARAY	1/8" ANNEALED GLASS	+75 / -75 PSF
D (SR.2281)	1/8" TEMPERED GLASS	1/4" AIR SPACE	1/8" CLEAR H.S. GLASS	0.090" TROFISOL PVB INTERLAYER BY 'KURARAY	1/8" CLEAR H.S. GLASS	+75 / -85 PSF
E (SR.2283)	1/8" TEMPERED GLASS	1/4" AIR SPACE	1/8" CLEAR H.S. GLASS	0.090" SENTRYGLAS INTERLAYER BY 'KURARAY	1/8" CLEAR H.S. GLASS	+75 / -100 PSF



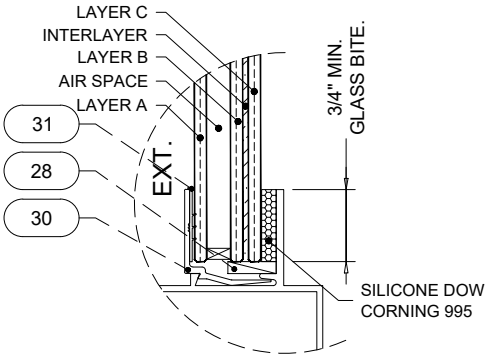
GLASS TYPE 'C'
SERIES 2280
11/16" OVERALL
LAMINATED GLASS

NOTE:
GLASS SIZE TYPE 'C' NOT
TO EXCEED 12.5 SQFT.



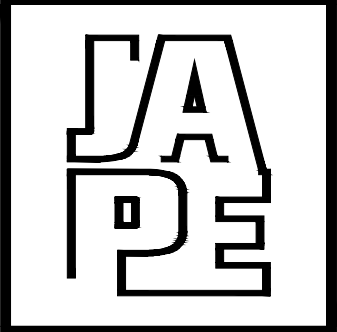
GLASS TYPE 'D'
SERIES 2281
11/16" OVERALL
LAMINATED GLASS

NOTE:
GLASS SIZE TYPE 'D' NOT
TO EXCEED 12.5 SQFT.



GLASS TYPE 'E'
SERIES 2283
11/16" OVERALL
LAMINATED GLASS

NOTE:
GLASS SIZE TYPE 'E' NOT
TO EXCEED 12.5 SQFT.



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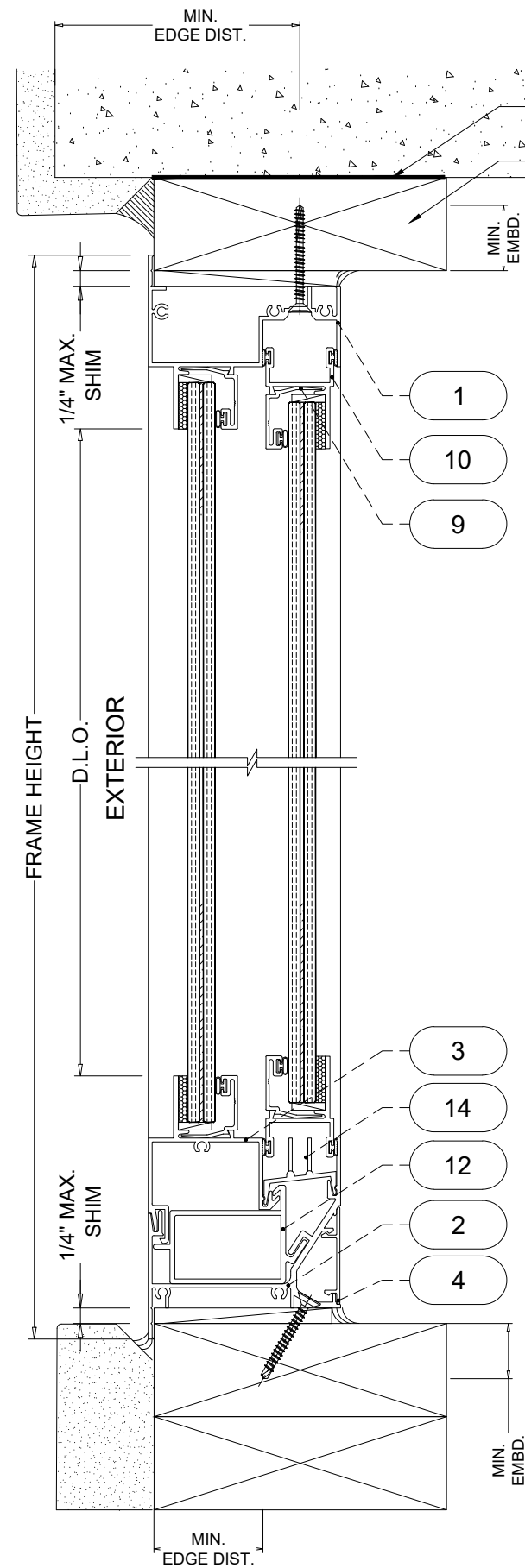
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CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
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PROJECT :			
ALUMINUM HORIZONTAL SLIDER WINDOW (HVHZ) (IMPACT)			
CLIENT :			
NUEVO FLORIDA VENTURE, LLC D/B/A PLAZA DOOR 4425 SW CARGO WAY, PALM CITY FL 34990, UNITED STATES			
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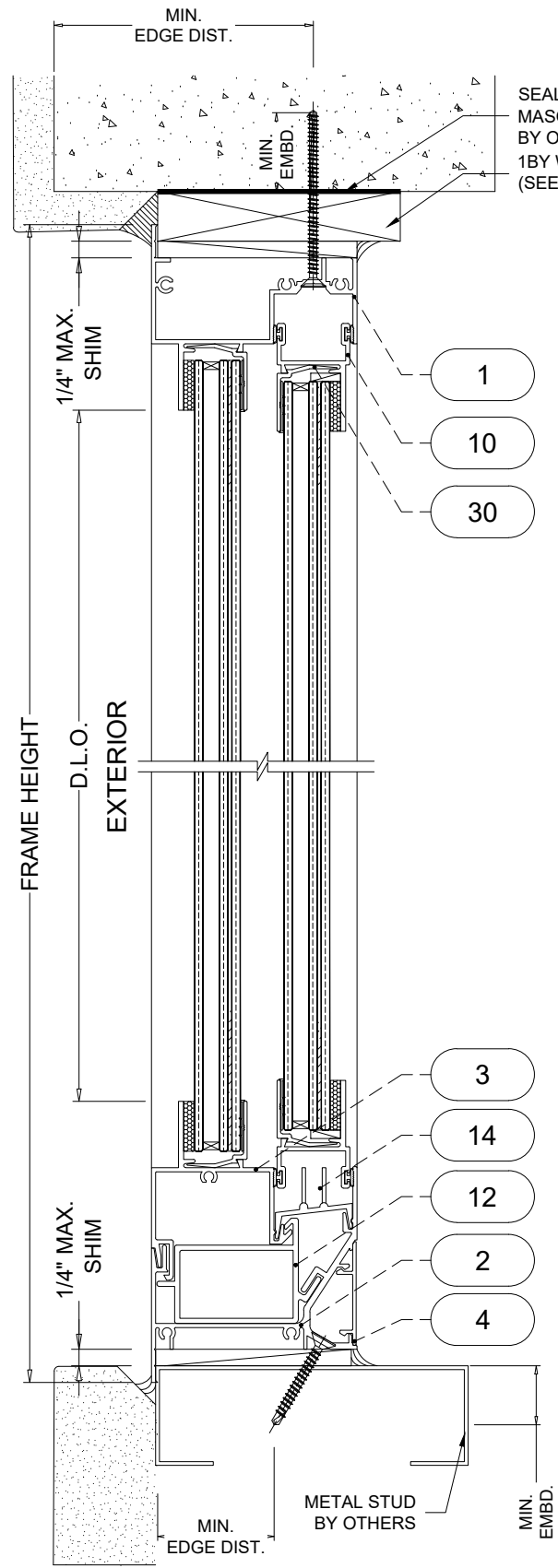
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GLASS DETAIL	SHEET No. 3 OF 10
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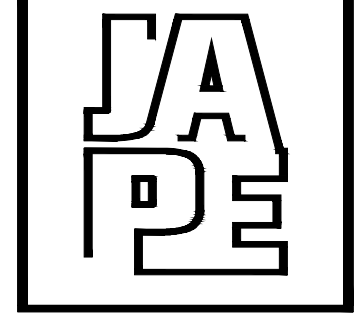
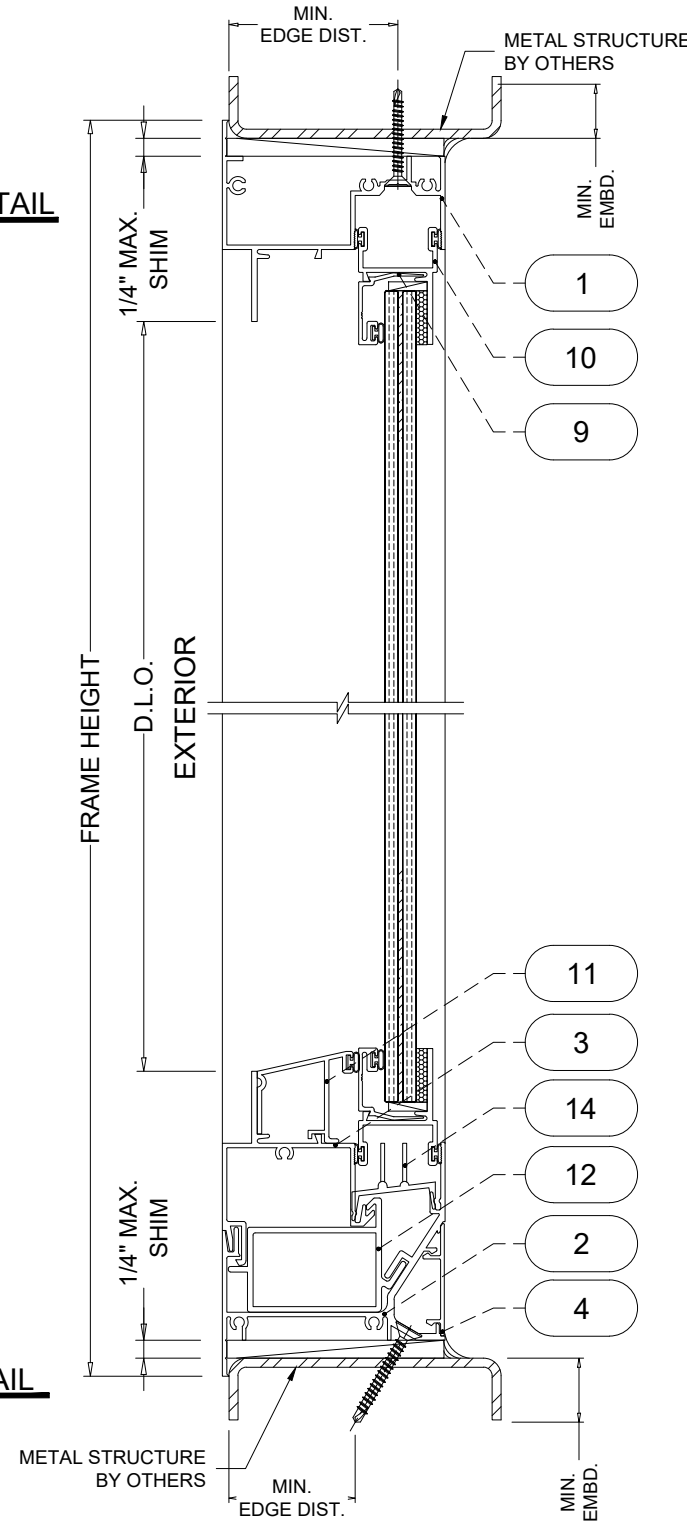
SEALANT BETWEEN CONC. /
MASONARY & 2X WOOD BUCKS
BY OTHERS
2BY WOOD BUCK
(SEE NOTE PAGE # 7)

S1 HEAD DETAIL
INSULATED



SEALANT BETWEEN CONC. /
MASONARY & WOOD BUCK
BY OTHERS
1BY WOOD BUCK
(SEE NOTE PAGE #7)

S3 HEAD DETAIL



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ALUMINUM HORIZONTAL
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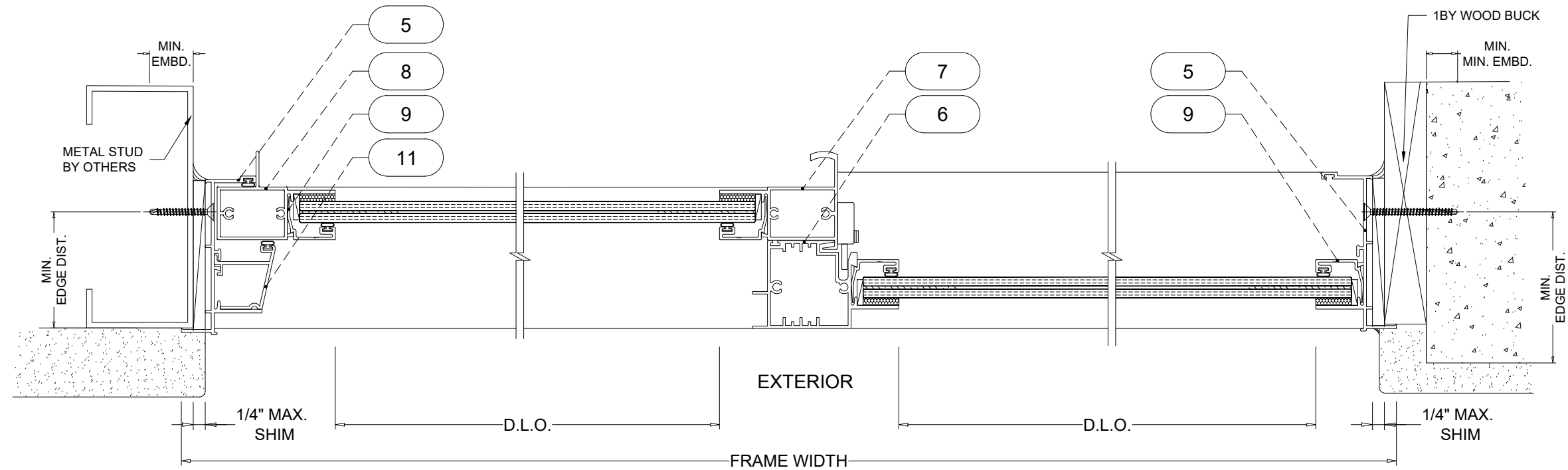
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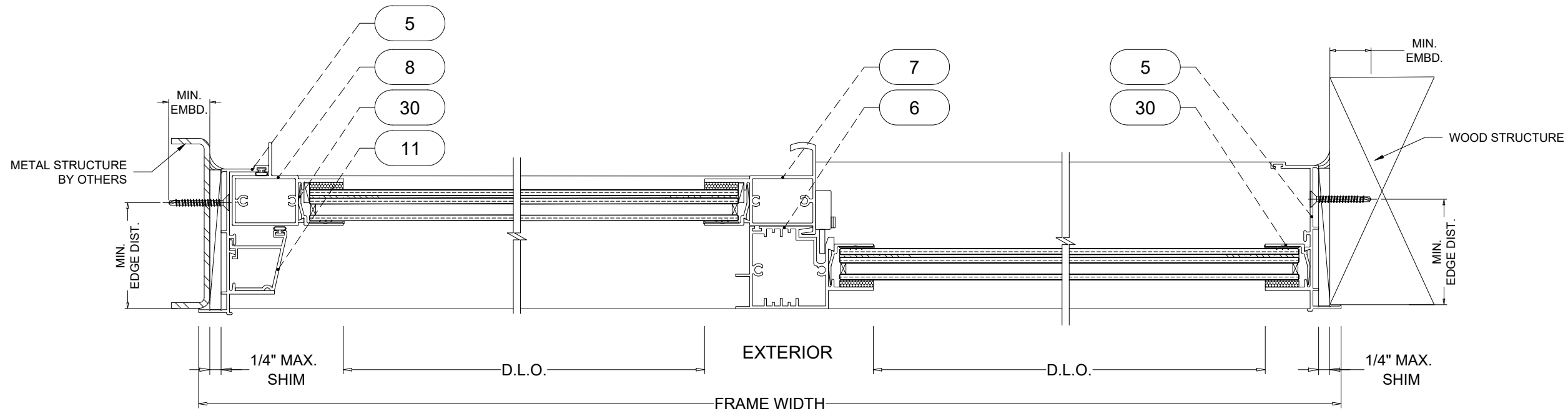
FL# 47003



S5 JAMB DETAIL

S6 INTERLOCK DETAIL

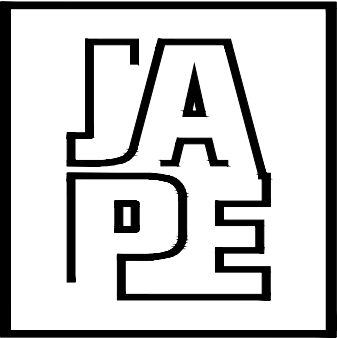
S7 JAMB DETAIL



S5 JAMB DETAIL INSULATED

S6 INTERLOCK DETAIL INSULATED

S7 JAMB DETAIL INSULATED



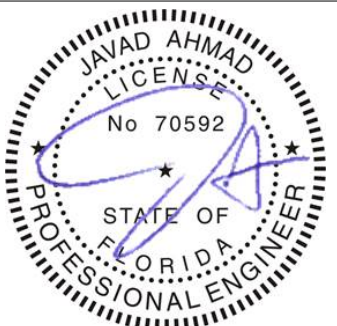
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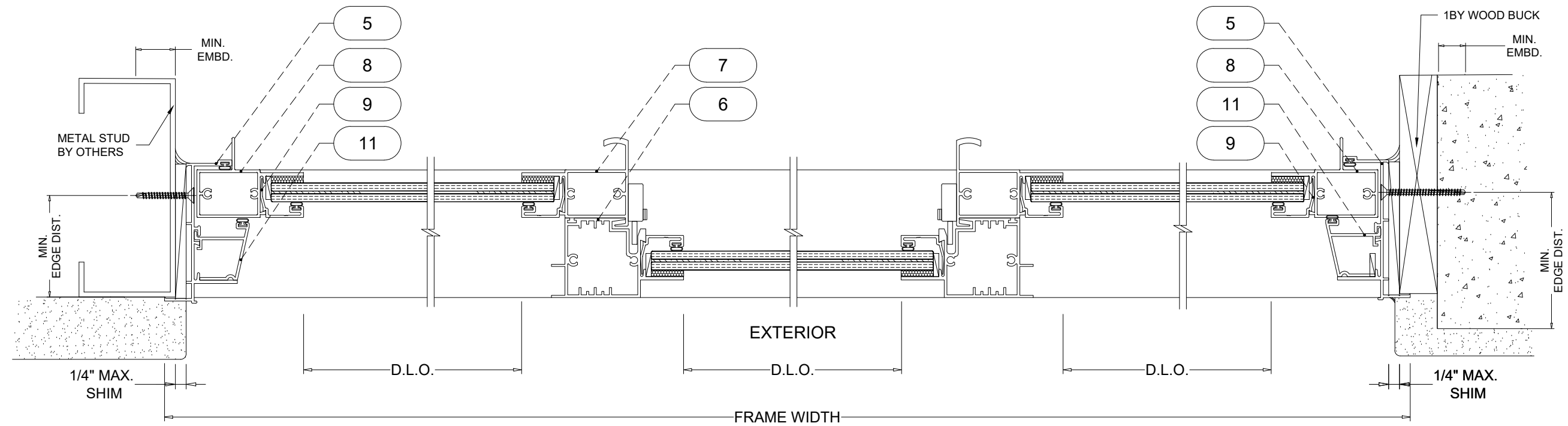
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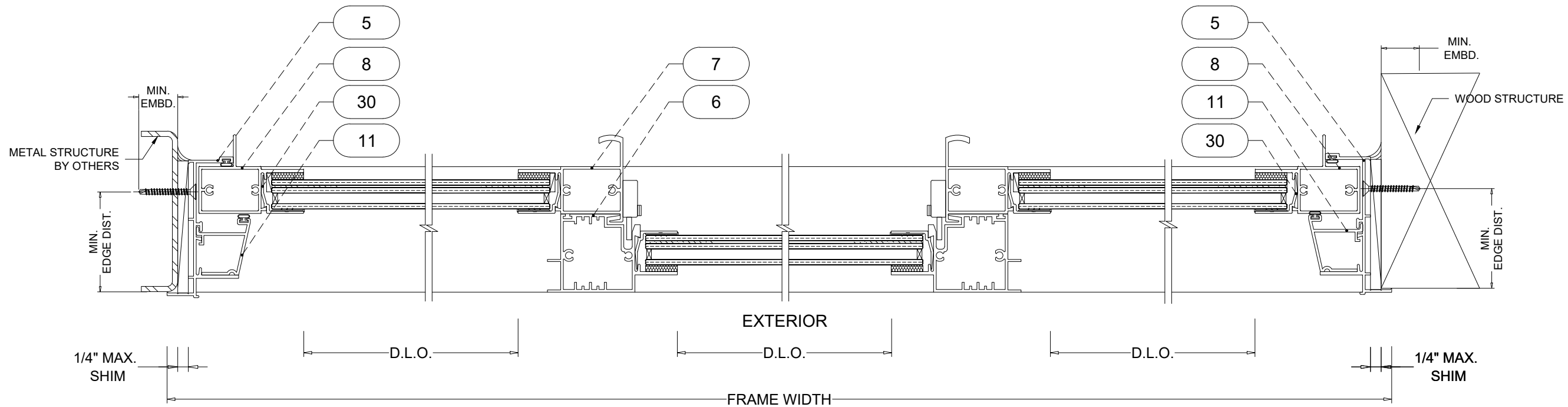


S8 JAMB DETAIL

S9 INTERLOCK DETAIL

S10 INTERLOCK DETAIL

S11 JAMB DETAIL

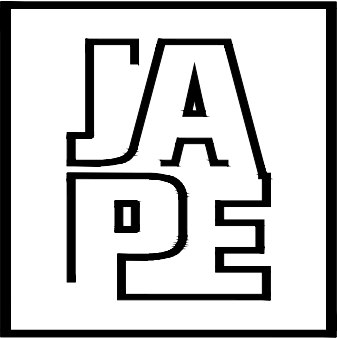


S8 JAMB DETAIL INSULATED

S9 INTERLOCK DETAIL INSULATED

S10 INTERLOCK DETAIL INSULATED

S11 JAMB DETAIL INSULATED



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SUBSTRATE ANCHORS:

- A

1/4" DIA ITW TAPCON

INTO WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD / JAMBS)

THRU 1BY BUCKS INTO CONC.

1-1/2" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONC.

1-1/2" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CMU.

1" MIN. EMBED INTO CMU
- B

1/4" SELF DRILLING OR SELF TAPPING SCREW

INTO METAL STRUCTURES

(3) THREAD MIN. PENETRATION BEYOND METAL SUBSTRATE

ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

STEEL: 18 GA. MIN. (Fy = 33 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

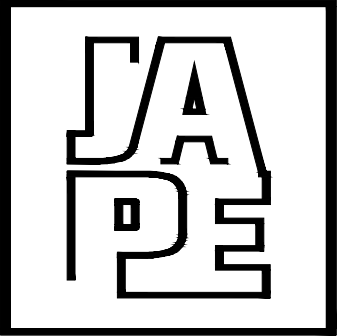
TYPICAL ANCHOR EDGE DISTANCES
INTO CONCRETE (3000 PSI MIN.) = 3" MIN.
INTO CMU PER ASTM C90 (2000 PSI MIN.) = 2" MIN.
INTO WOOD STRUCTURE (0.55 MIN. S.G.) = 1" MIN.
INTO METAL STRUCTURE = 1/2" MIN.

SUBSTRATE STRENGTHS:

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f_c = 3000 PSI MIN.
C-90 GROUT HOLLOW / FILLED - BLOCK AT JAMBS f_m = 2000 PSI MIN.
STEEL AT HEAD,SILL OR JAMBS 18 GA. MIN. (Fy = 33 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT
BY 'PLAZA DOOR' MUST SUSTAIN LOADS IMPOSED BY
GLAZING SYSTEM AND TRANSFER THEM TO THE
BUILDING STRUCTURE.

BILL OF MATERIALS				
ITEM #	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURE
1	021-005	FRAME HEAD	6063-T6	
2	021-014	FRAME SILL BASE	6063-T6	
3	021-013	FRAME SILL INSERT	6063-T5	
4	021-015	FRAME SILL COVER	6063-T5	
5	021-006	FRAME JAMB	6063-T5	
6	022-007	FIXED MEETING STILE	6063-T5	
7	022-004	VENT SIDE INTERLOCK	6063-T5	
8	022-019	VENT SIDE PULL	6063-T5	
9	021-011	GLAZING BEAD	6063-T5	
10	021-003	VENT TOP / BOTTOM RAIL	6063-T5	
11	021-039	WATER SHED	6063-T5	
12	022-038	SILL REINFORCEMENT	6063-T5	
13	021-016	TRACK	6063-T5	
14	010-004	WHEEL HOUSING ASSEMBLY	M & M PLASTICS	PVC
15	004-002	SWEEP LOCK	SULLIVAN & ASSOC	
16	008-014	ASSEMBLY SCREWS		
17	008-031	MTG.RAIL ASSEMBLY SCREWS		
18	015-002	WOOL PILE W / FIN SEAL	ULTRAFAB	FELT
19	023-001	FOAM FILLED BULB	VINYL	AMESBURY
20	012-004	GLAZING COMPOUND	DOW 995	SILICONE
21	015-006	1/8" SPACER	FRANK LOWE RUBBER	ACRYLIC
22	012-001	SMS504 SEAM SEALER	SCHNEE MOREHEAD	
23	010-014	BAFFLE	M & M PLASTICS	NYLON
24	010-015	WEEP COVER	PREFERRED ENGINEERING	NYLON
25	015-001	BULB GASKET	MASTER TOOL	VINYL
26	010-002	END CAP	M & M PLASTICS	ACETYL
27		OCK JAMB REINFORCEMENT		
28	015-010	SETTING BLOCK	80 DUROMETER NEOPRENE	FRANK LOWE RUBBER
29	023-006	0.187 X 0.250 FOAM FILLED BULB	VINYL	AMESBURY
30	021-105	IG GLAZING BEAD	6063-T5	
31	015-017	WEDGE GASKET DUROMETER 90 +/-5	FLEX PVC	MELTPPOINT PLASTIC



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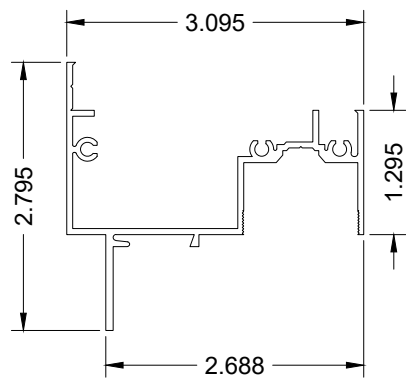
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 — C.A.N. 34254



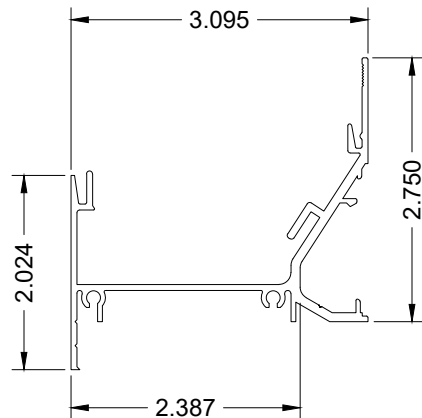
SEALED: 07/30/2024

FL# 47003

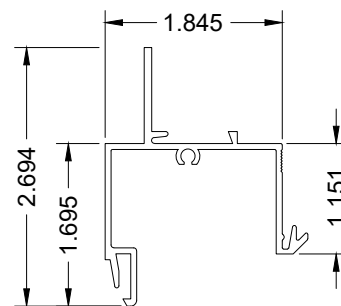
ANCHOR / B.O.M.	SHEET No. 7 OF 10
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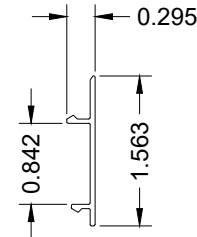
1 **FRAME HEAD**
SCALE = 6" = 1'-0"



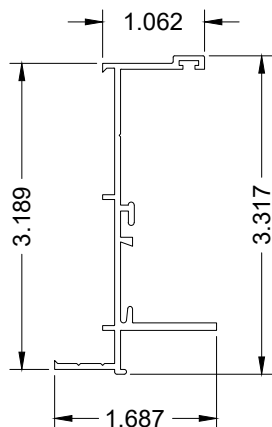
2 **FRAME SILL BASE**
SCALE = 6" = 1'-0"



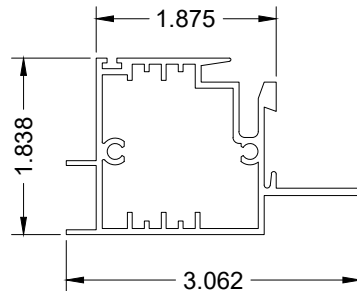
3 **FRAME SILL INSERT**
SCALE = 6" = 1'-0"



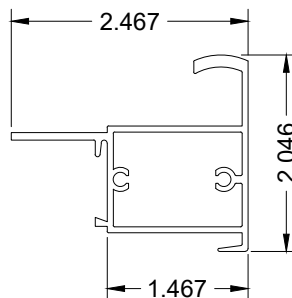
4 **FRAME SILL COVER**
SCALE = 6" = 1'-0"



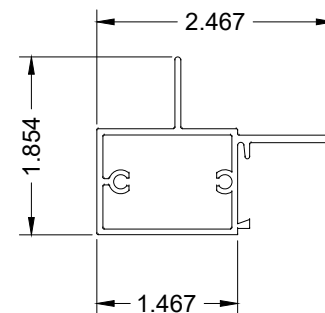
5 **FRAME JAMB**
SCALE = 6" = 1'-0"



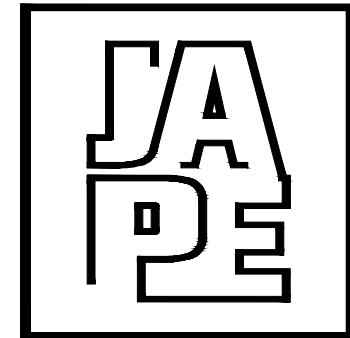
6 **FIXED MTG. STILE**
SCALE = 6" = 1'-0"



7 **VENT SIDE INTERLOCK**
SCALE = 6" = 1'-0"



8 **VENT SIDE PULL**
SCALE = 6" = 1'-0"



JAVAD AHMAD PE, inc

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Ph: (305) 424-8001
support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

ALUMINUM HORIZONTAL
SLIDER WINDOW
(HVHZ) (IMPACT)

CLIENT :

NUEVO FLORIDA VENTURE, LLC
D/B/A PLAZA DOOR

4425 SW CARGO WAY, PALM CITY
FL 34990, UNITED STATES

REVISION

No.	DATE	BY	DESCRIPTION
0	07/30/24		INITIAL ISSUE

date:7/30/2024

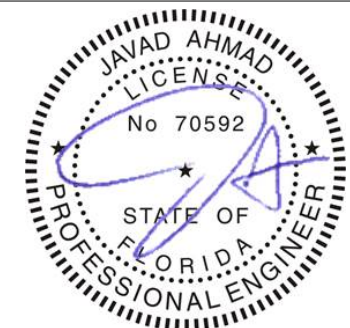
scale:N/A

drawn by:M.S.

check by:

Drawing no.JA-1463-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254

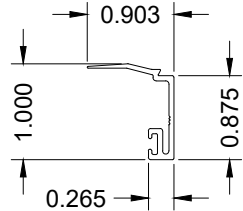


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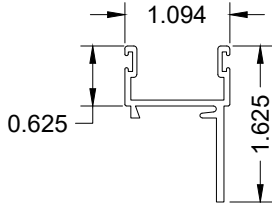
FL# 47003

PROFILES

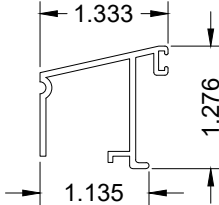
SHEET No.
8 OF 10



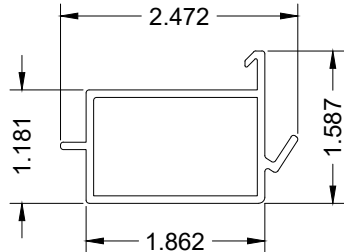
9 GLAZING BEAD
SCALE = 6" = 1'-0"



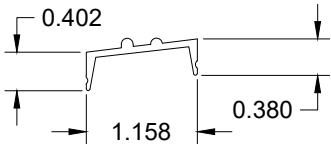
10 VENT TOP / BOTTOM RAIL
SCALE = 6" = 1'-0"



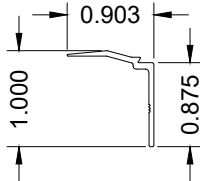
11 WATER SHED
SCALE = 6" = 1'-0"



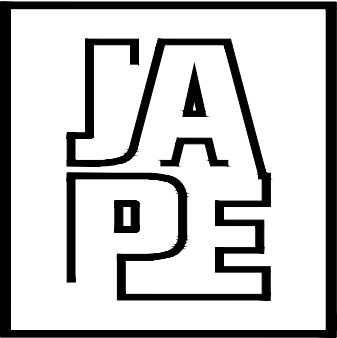
12 SILL REINFORCING
SCALE = 6" = 1'-0"



13 SILL TRACK
SCALE = 6" = 1'-0"



30 IG GLAZING BEAD
SCALE = 6" = 1'-0"



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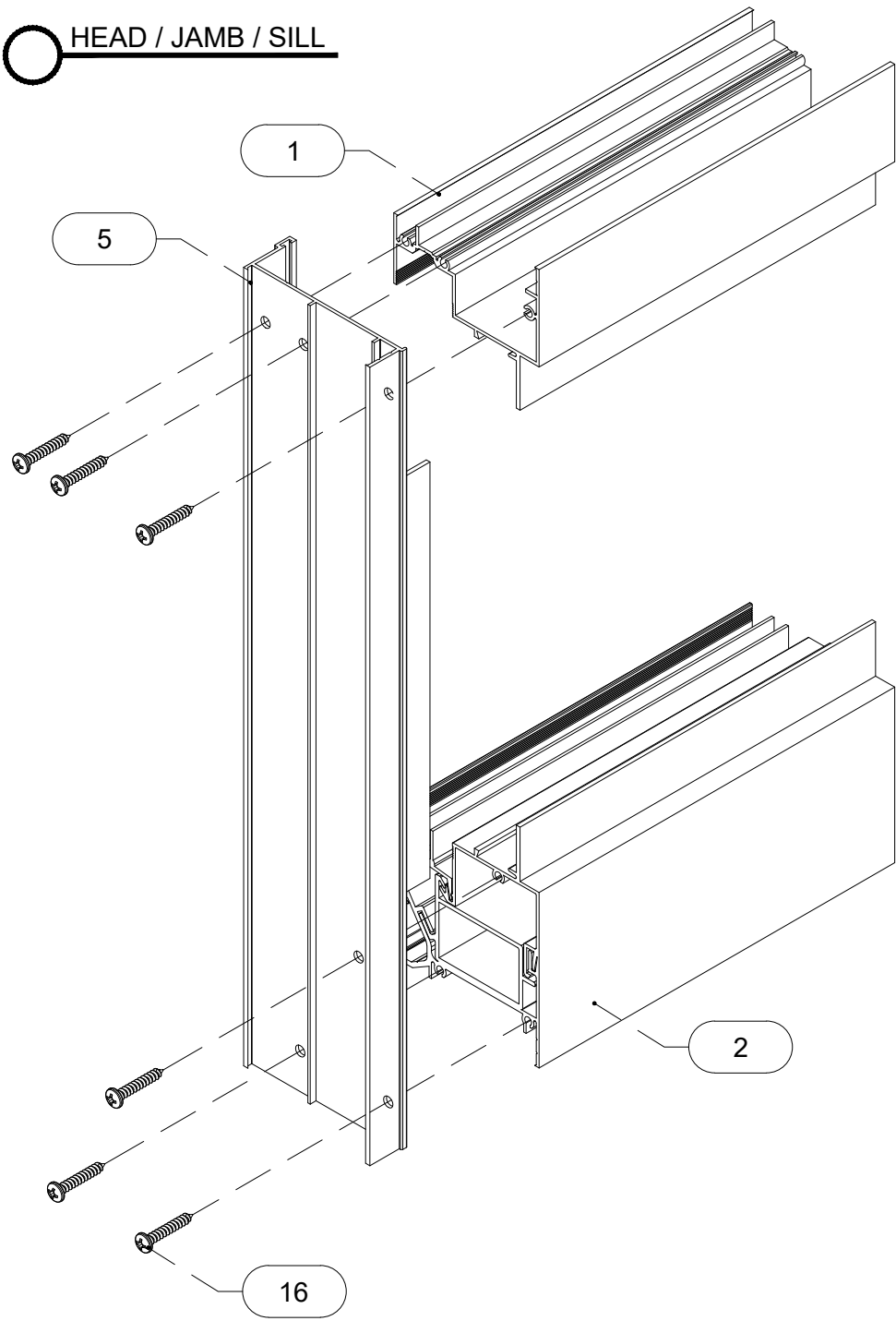
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drawn by:		M.S.	
check by:			
Drawing no.		JA-1463-24	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 — C.A.N. 34254			

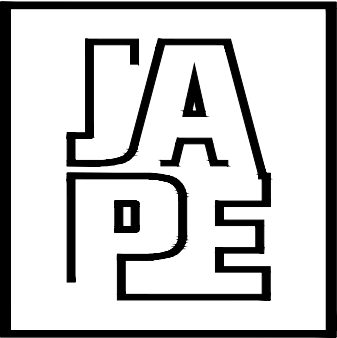
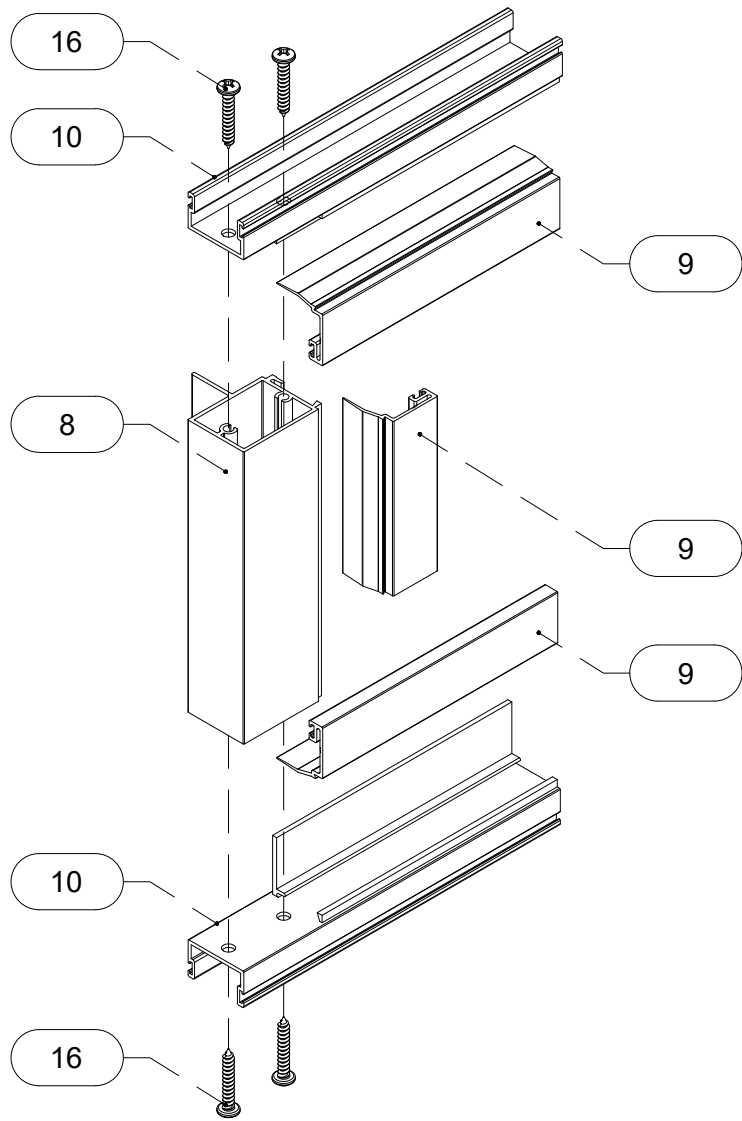


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○ HEAD / JAMB / SILL



○ PANEL TOP CORNER



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FL# 47003

INSTALL. DETAIL

SHEET No.
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