

SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR LARGE MISSILE IMPACT

GENERAL NOTES:

1. SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR, SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2020 (7th EDITION) OF THE FLORIDA BUILDING CODE. SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (H.V.H.Z) AND OUT OF IT (N.H.V.H.Z).

DESIGN WIND LOAD SHALL BE DETERMINED AS PER SECTIONS 1620 AND 1609 OF THE ABOVE MENTIONED CODE, USING ASCE 7-16 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-16 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.

IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS. FASTENERS SPACING IN WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.

THIS DOOR'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 & 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER FENESTRATION TESTING LABORATORY, INC. LAB REPORT # 5626 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTIONS 1616 & 1604 OF THE FLORIDA BUILDING CODE.

2. REMAINING COMPONENTS FOR THIS SLIDING GLASS DOOR SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS AND COMPONENT SHEETS 2 AND 3 RESPECTIVELY OF THIS DRAWING.

3. **MAXIMUM A.S.D. DESIGN PRESSURE RATINGS FOR THESE DOORS SHALL BE AS SHOWN ON SHEET 4. SEE DOOR ELEVATIONS ON SHEETS 4 THRU 7 FOR QUALIFIED CONFIGURATIONS.**

4. **THIS SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.**

5. **THIS SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR IS APPROVED FOR AIR AND WATER INFILTRATION.**

6. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2015 ALUMINUM DESIGN MANUAL.

7. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

8. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, G=0.55. AND SHALL COMPLY WITH SECTION 2411.3.3.3 OF THE 2017 (6th EDITION) OF THE FLORIDA BUILDING CODE.

- (8.1) 2x WOOD BUCKS MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. ANCHORAGE IS INDEPENDENT OF DOOR FRAME ANCHORAGE. DOOR FRAME MUST BE SEPARATELY ANCHORED TO 2X WOOD BUCK FOLLOWING DETAILS ON THIS DRAWING.

- (8.2) 1x WOOD BUCK (OR ANY WOOD BUCK LESS THAN 2x) MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. DOOR FRAME ANCHOR SHALL BE USE TO ATTACH 1x WOOD BUCK TO EXISTING STRUCTURE BY DRIVING ANCHOR THRU BOTH DOOR FRAME & 1X WOOD BUCK INTO EXISTING STRUCTURE W/PROPER EMBEDMENT AND EDGE DISTANCE AS SHOWN ON THIS DRAWING.

- (8.3) DOOR FRAME MAY BE DIRECTLY CONNECTED TO EXISTING STRUCTURE WITH NO NEED OF WOOD BUCKS WHEN MASONRY OPENING IS NOT LARGER THAN ACTUAL DOOR OVERALL DIMENSIONS. HOWEVER, SHIMS (SEE NOTE 10) MAY BE ALLOWED AT DOOR FRAME ANCHOR LOCATION IF NEEDED.

9. ANCHOR NOTES:

EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH (SEE SCHEDULE ON SHEET 7A).

- (A) **TO EXISTING POURED CONCRETE:** (Min. $f'_c = 3.192$ ksi), MIN. EDGE DISTANCE = $2 \frac{1}{2}"$.
- $1/4"$ TAPCON W/ $1 \frac{1}{4}"$ MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC (COMPONENT 29), THRU $1"$ P.T. WOOD BUCK.

- $1/4"$ KWIK-CON II W/ $1 \frac{1}{4}"$ MIN. EMBEDMENT, AS MANUFACTURED BY HILTI, INC (COMPONENT 29), THRU $1"$ P.T. WOOD BUCK.

- (B) **TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK WALL** MIN. EDGE DISTANCE = $2 \frac{1}{2}"$.

- $1/4"$ TAPCON W/ $1 \frac{1}{4}"$ MIN. EMBEDMENT, AS MANUFAC. BY ITW BUILDEX, INC. (COMPONENT 29), THRU $1"$ P.T. WOOD BUCK.

- $1/4"$ KWIK-CON II W/ $1 \frac{1}{4}"$ MIN. EMBEDMENT, AS MANUFACTURED BY HILTI, INC (COMPONENT 29), THRU $1"$ P.T. WOOD BUCK.

- (C) **TO EXISTING 2x P.T. WOOD BUCK.** MIN. EDGE DISTANCE = $1"$.

- $1/4"$ TAPCON W/ $1 \frac{1}{2}"$ MIN. THREADED PENETRATION, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 29).

- (D) **TO EXISTING MIN. $1/8"$ THICK ALUMINUM MEMBER (6063-T5 ALLOY)** MIN. EDGE DISTANCE = $1 \frac{1}{2}"$.

- $1/4"$ TEK SCREW, MIN. $1"$ LONG, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 30).

- (E) **TO EXISTING MIN. 12 GAGE STEEL MEMBER (ASTM A-500, A-653 OR A-36)**

MIN. EDGE DISTANCE = $1 \frac{1}{2}"$.

- $1/4"$ TEK SCREW, MIN. $1"$ LONG, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 30).

10. PROVIDE $1/4"$ MAX. LOAD BEARING SHIM SPACE (TYP.).

11. SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR MANUFACTURER LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION AT PRODUCE IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY UNIT.

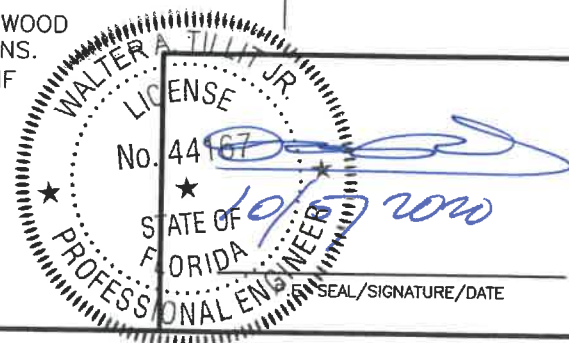
12. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

- (c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

- (d) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA



FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR

ALUMINA DISTRIBUTION CENTER

15002 N.W. 107 AVENUE SUITE # 1
HIALEAH GARDENS, FL. 33018
PHONE: (305) 444-1198

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-004	08/03/20	3		
2	TITLE	10/5/20	4		

DRAWN BY:
F.P.

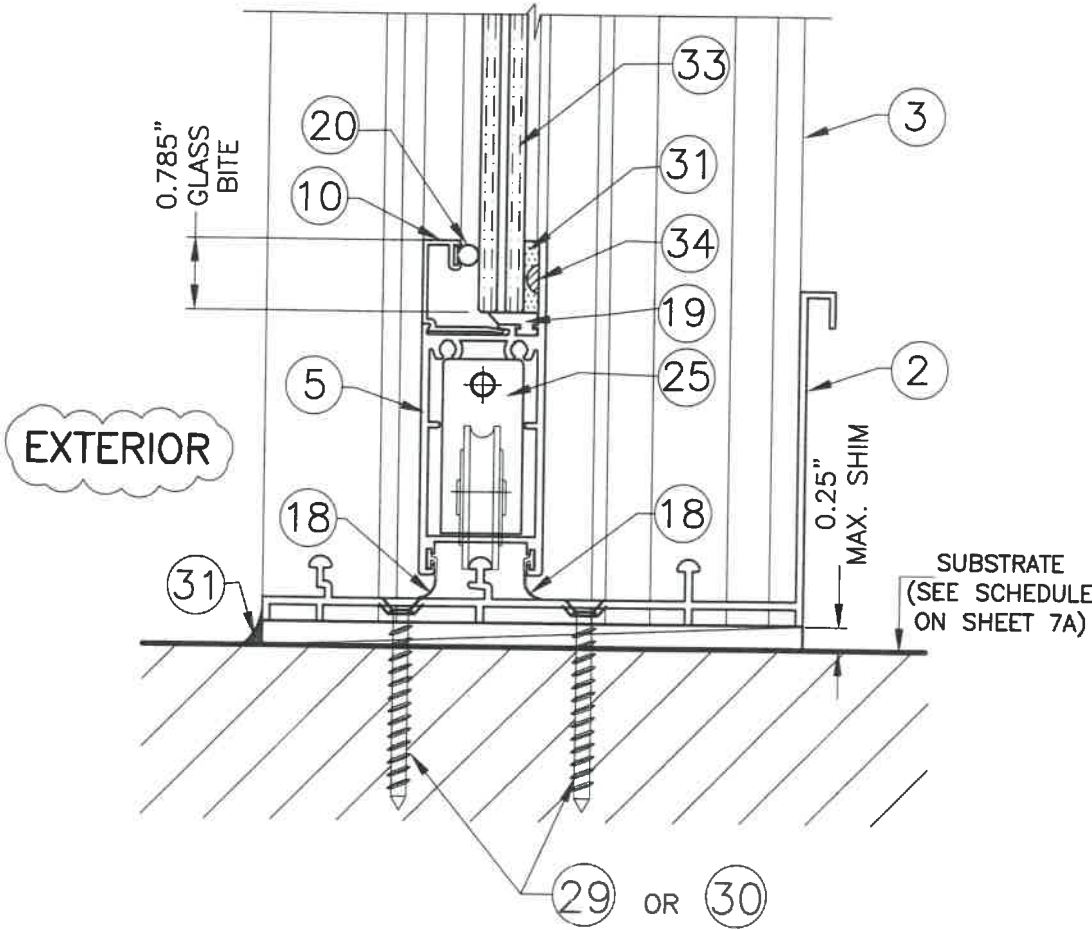
08/03/2020
DATE

20-229
DRAWING No

SHEET 1 OF 18

BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	MATERIAL
1	GIC301-1	FRAME HEAD	6063-T6
2	GIC302-1	FRAME SILL	6063-T6
3	GIC303-1	FRAME JAMB	6063-T6
4	GIC304-1	TOP RAIL	6063-T6
5	GIC305-1	BOTTOM RAIL	6063-T6
6	GIC306-1	LOCK STILE	6063-T6
7	GIC307-1	MEETING STILE OUTER INTERLOCK	6063-T6
8	GIC308-1	MEETING STILE INNER INTERLOCK	6063-T6
9	GIC309-1	CENTERMATE FEMALE ASTRAGAL	6063-T6
10	GIC310	GLAZING BEAD	6063-T6
11	GIC311	INTERLOCK STIFFENER	6063-T6
12	GIC312	RETAINER CLIP, 4" LONG	6063-T6
13	GIC313	FIXED PANEL CLIP, 8" LONG	6063-T6
14	-	OPTIONAL INTERIOR REINFORCEMENT FOR FEMALE ASTRAGAL ONLY REQ'D FOR 7' & 8' DOORS	6063-T6
15	-	OPTIONAL EXTERIOR REINFORCEMENT FOR FEMALE ASTRAGAL ONLY REQ'D FOR 7' & 8' DOORS	6063-T6
17	W223511K	TOP RAIL + JAMB + STILE + ASTRAGAL WEATHER STRIPPING	NEOPRENE
18	GIC315	BOTTOM RAIL SEAL	VINYL
19	GIC314	SETTING BLOCK	NEOPRENE
20	GIC316	GLAZING BULB	NEOPRENE
21	FASTENER	PANEL ASSEMBLY SCREWS, #10x1 1/4" P.H. S.D.S.	S.T. STEEL
22	FASTENER	FRAME ASSEMBLY SCREWS, #10x1" F.H. S.D.S.	S.T. STEEL
23	FASTENER	FIXED PANEL CLIP FASTENER, (3) #10x1/2" PH S.D.S.	S.T. STEEL
24	-	PANEL GUIDE (TOP ONLY) AT EACH END OF EACH PANEL @ 2/PANEL	CELCON
25	#1939-6010-55	GLASS PANEL ROLLER ASSEMBLY AT (2) (25) PER OPERABLE PANEL @ EACH END OF PANEL	ST. STEEL
26	FASTENER	(2)1/4"-20x1" LONG T.H. S.S.M.S. TO STILES/ASTRAGAL FOR EACH ROLLER ASSEMBLY FASTENING	STEEL
27	2300-10SS / #623Z	HANDLE LOCK (INTERIOR AND EXTERIOR) @ 36 1/2"/BOTTOM WITH LOCK INSTALLATION SCREW (2) #6-32x3/8" F.H. M.S. S.S. INCLUDES ZAMAK HANDLE @ 35 1/2"/BOTTOM W/ #10-24x1 3/4" O.H. M.S. S.S.	ST. STEEL
28	2500-1061Z	LOCK STRIKE PLATE W/ STRIKE PLATE MOUNTING SCREW (2) #10x1 1/4" P.H. S.D.S.	S.T. STEEL
29	ANCHORS	1/4" ITW BUILDDEX TAPCON ANCHOR OR 1/4" HILTI KMK-CON II ANCHOR (SEE SCHEDULE ON SHEET 7A)	STEEL
30	ANCHORS	1/4"-14 ITW BUILDDEX TEK SCREW (SEE SCHEDULE ON SHEET 7A)	STEEL
31	GLAZING SILICONE SEALANT	STRUCTURAL SILICONE GE SCS2800, DOW CORNING 795 & PECORA 896	STRUCTURAL SILICONE
33	GLASS	0.458" OVERALL LAMINATED GLASS W/ (1) 0.185" HEAT STRENGTHENED GLASS + (1) 0.088" TROSIFOL PVB, INTERLAYER BY KURARAY AMERICA, INC. + (1) 0.185" HEAT STRENGTHENED GLASS.	-
34	-	BUMPON SPACER, 1/4" DIAMETER HALF SPHERE, CLEAR. 3" FROM CORNERS MAX. AND 12" O.C. (MAX.), AT MID-GLASS BITE ELEVATION, BY FRANK LOWE RUBBEL AND GASKET FLB-28, CLEAR.	SILICONE



GLAZING DETAIL
(SECTION)
SCALE: 1/2"=1"

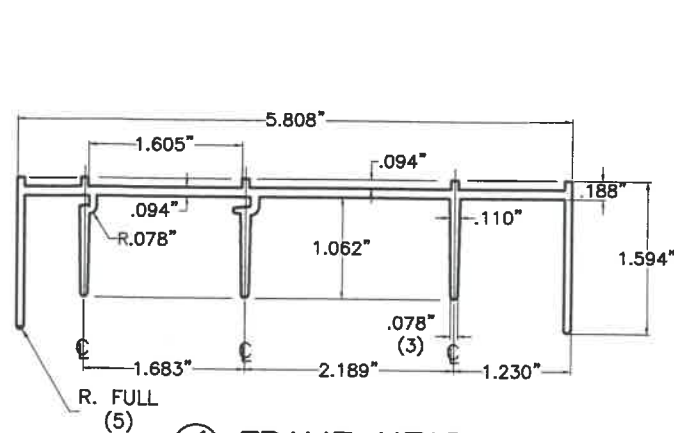
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SEAL/SIGNATURE/DATE

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TILLIT TESTING & ENGINEERING COMPANY
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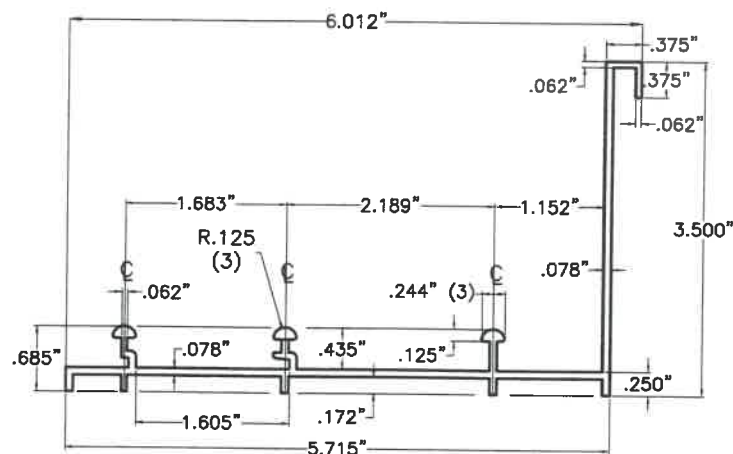
SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR			DRAWN BY: F.P.	
ALUMINA DISTRIBUTION CENTER 15002 N.W. 107 AVENUE SUITE # 1 HIALEAH GARDENS, FL. 33018 PHONE: (305) 444-1198			08/03/2020 DATE	
20-229 DRAWING No				
SHEET 2 OF 18				

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2			4		



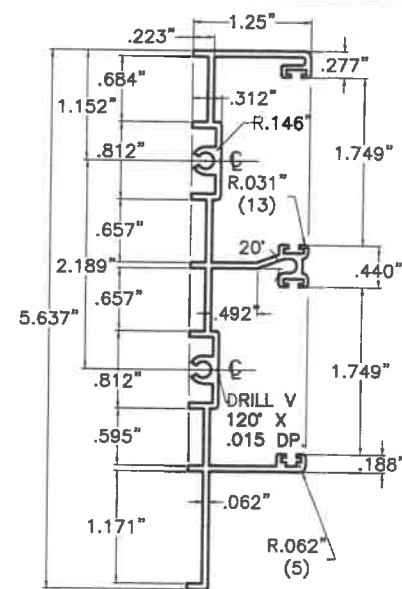
① FRAME HEAD

6063-T6
SCALE 1/2"=1"



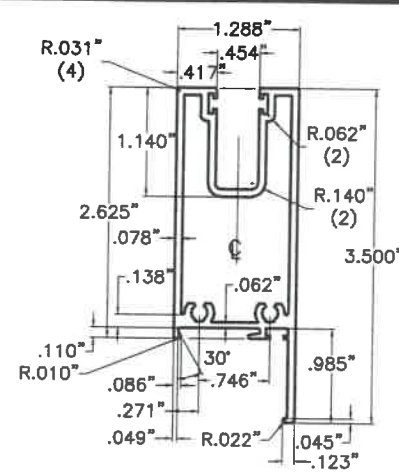
② FRAME SILL

6063-T6
SCALE 1/2"=1"



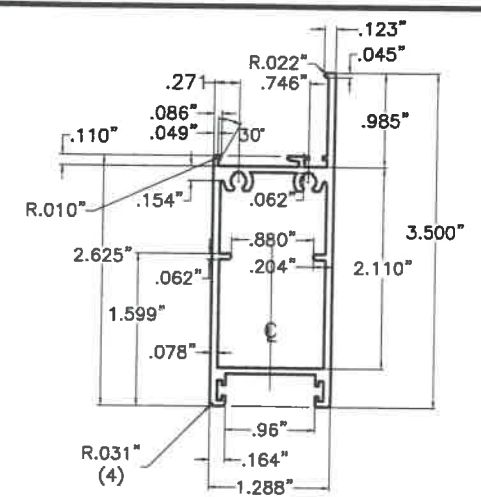
③ FRAME JAMB

6063-T6
SCALE 1/2"=1"



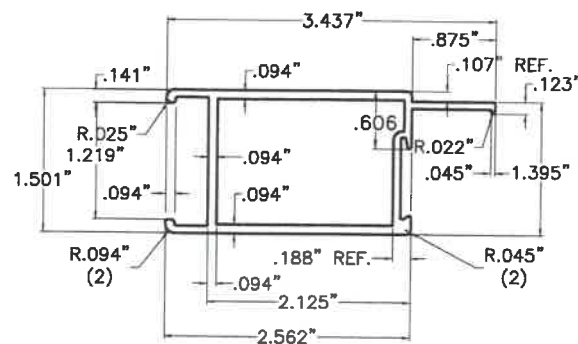
④ TOP RAIL

6063-T6
SCALE 1/2"=1"



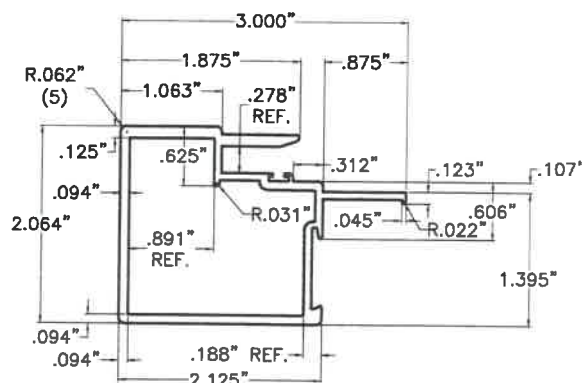
⑤ BOTTOM RAIL

6063-T6
SCALE 1/2"=1"



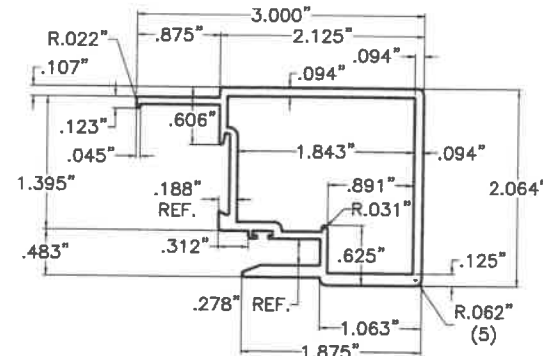
⑥ LOCK STILE

6063-T6
SCALE 1/2"=1"



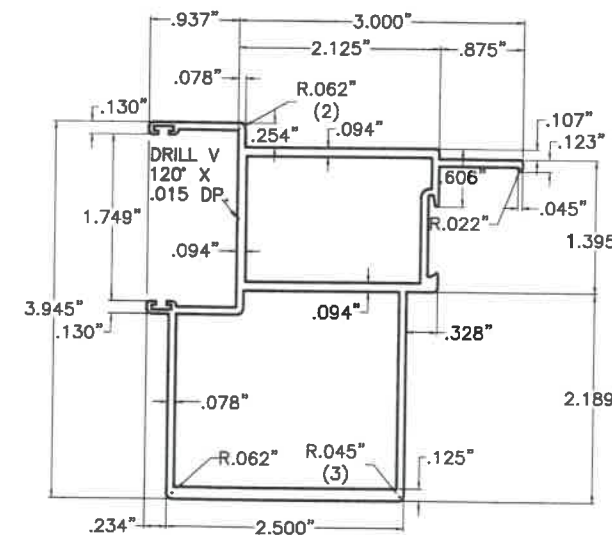
**⑦ MEETING STILE
OUTER INTERLOCK**

6063-T6
SCALE 1/2"=1"



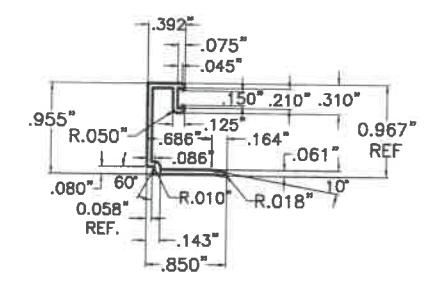
**⑧ MEETING STILE
INNER INTERLOCK**

6063-T6
SCALE 1/2"=1"



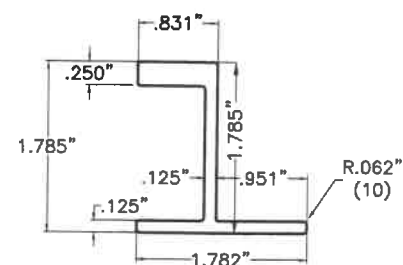
**⑨ CENTERMATE
FEMALE ASTRAGAL**

6063-T6
SCALE 1/2"=1"



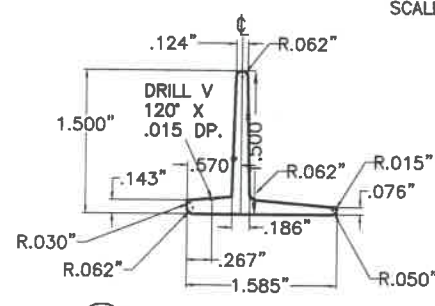
⑩ GLAZING BEAD

6063-T6
SCALE 1/2"=1"



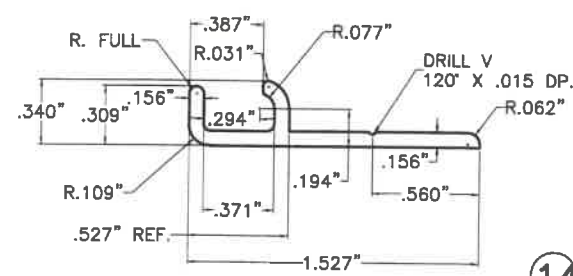
⑪ INTERLOCK STIFFENER

6063-T6
SCALE 1/2"=1"



⑫ RETAINER CLIP

6063-T6
4" LONG
SCALE 1/2"=1"



⑬ FIXED PANEL CLIP

6063-T6
8" LONG
SCALE 1"=1"

**⑭ OPTIONAL INTERIOR
REINFORCEMENT FOR
FEMALE ASTRAGAL**

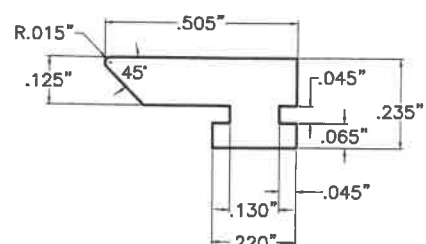
6063-T6
SCALE 1/2"=1"

**⑮ OPTIONAL EXTERIOR
REINFORCEMENT FOR
FEMALE ASTRAGAL**

6063-T6
SCALE 1/2"=1"

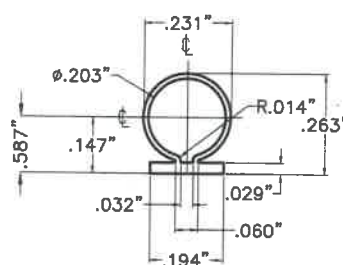
⑯ BOTTOM RAIL SEAL

VINYL
SCALE 2"=1"



⑲ SETTING BLOCK

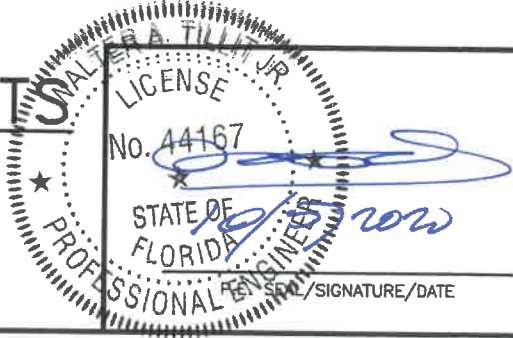
NEOPRENE
SCALE 2"=1"



⑳ GLAZING BULB

NEOPRENE
SCALE 2"=1"

COMPONENTS



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WALTER A. TILLIT JR., P.E.

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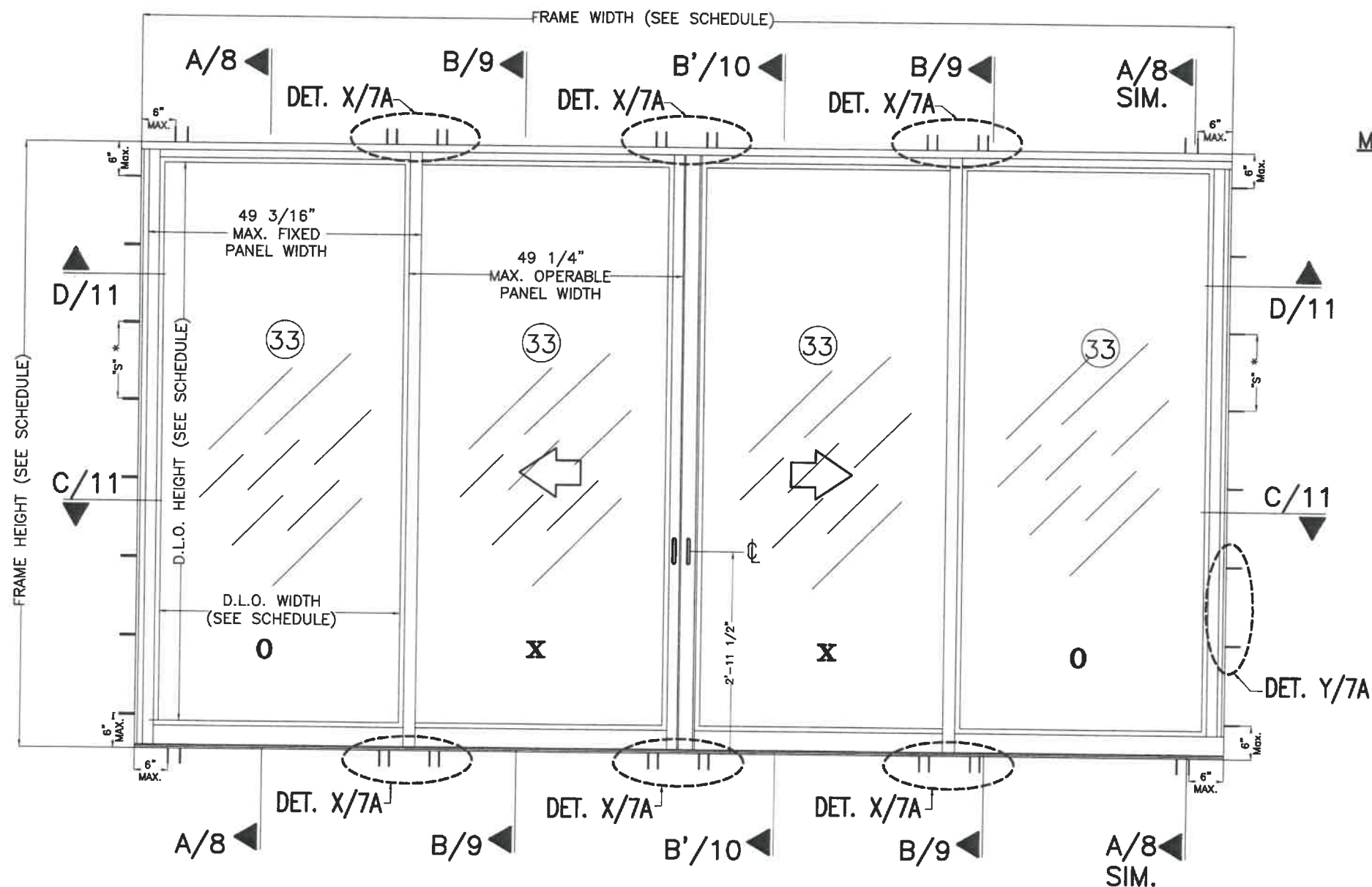
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SHEET 3 OF 18

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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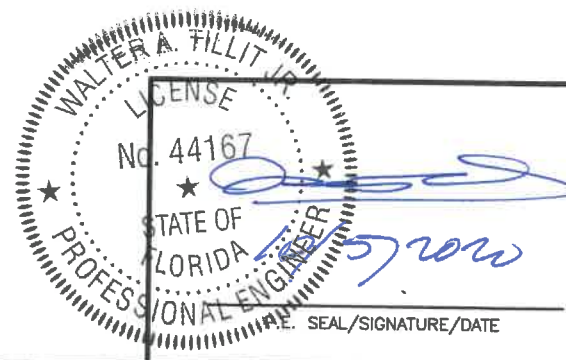


TYPICAL EXTERIOR ELEVATION (OXXO)
SCALE: 1/2" = 1'-0"

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

MAXIMUM A.S.D. DESIGN PRESSURE RATING SCHEDULE FOR A MAXIMUM FRAME HEIGHT, FRAME WIDTH, D.L.O. HEIGHT & D.L.O. WIDTH

MAX. A.S.D. DESIGN PRESSURE RATING	MAXIMUM FRAME HEIGHT	MAXIMUM FRAME WIDTH	MAXIMUM D.L.O. HEIGHT	MAXIMUM D.L.O. WIDTH
+85, -85 psf & 15 psf AT WATER	9'-0"	16'-0"	99 3/4"	42 3/4"
+91, -99 psf & 15 psf AT WATER	8'-0"	16'-0"	87 3/4"	42 3/4"
+100, -120 psf & 15 psf AT WATER	7'-0"	16'-0"	75 3/4"	42 3/4"



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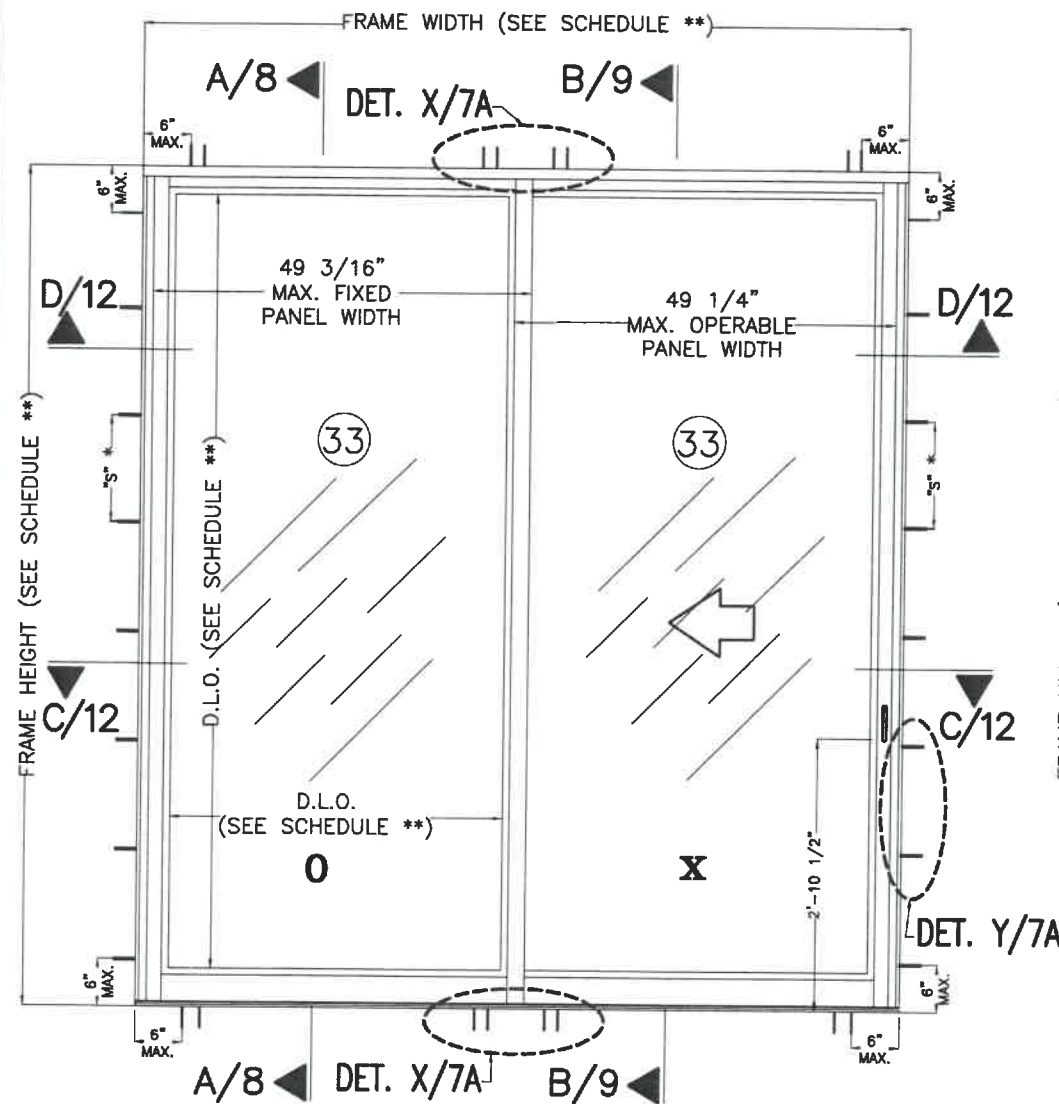
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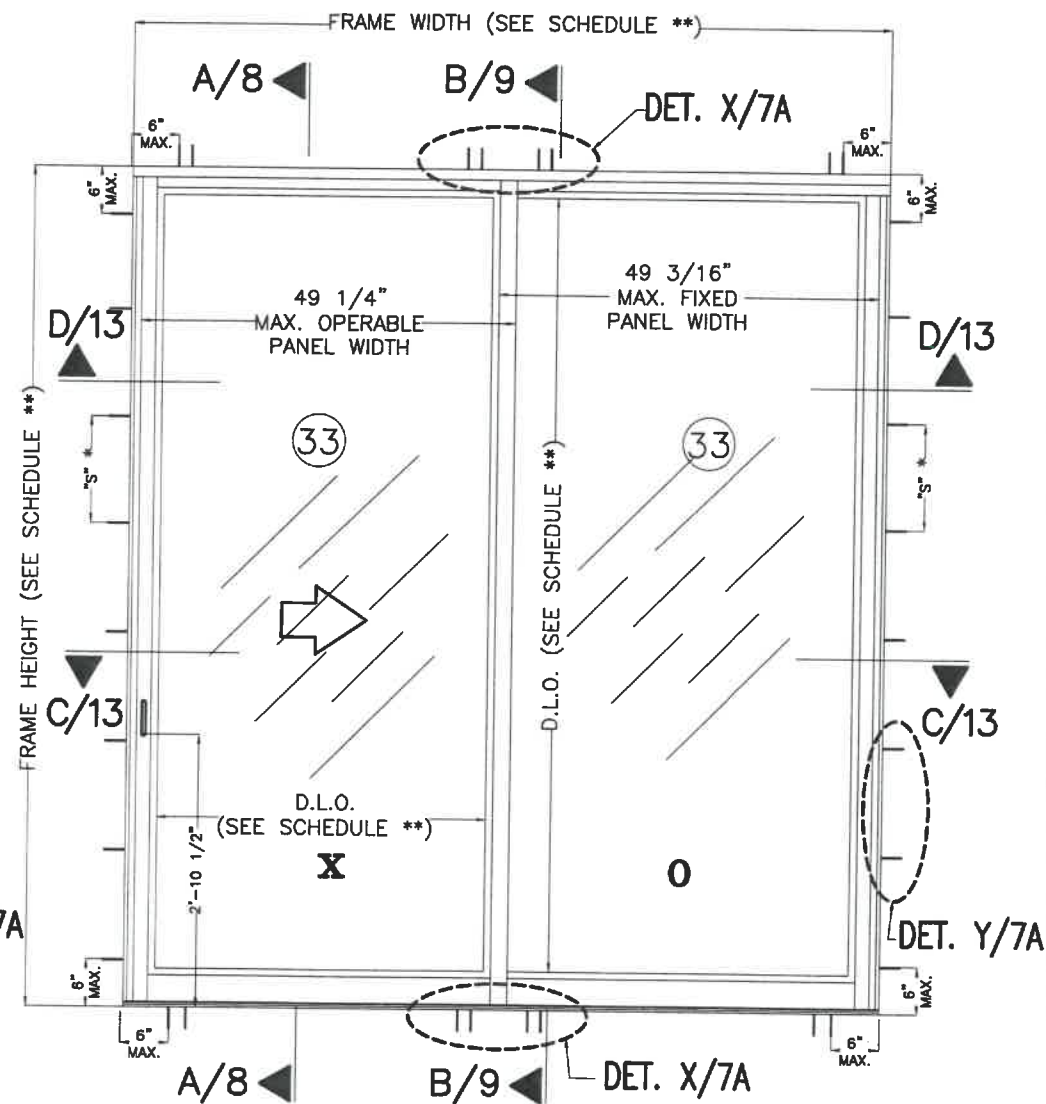
SHEET 4 OF 18



TYPICAL EXTERIOR ELEVATION (OX)

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

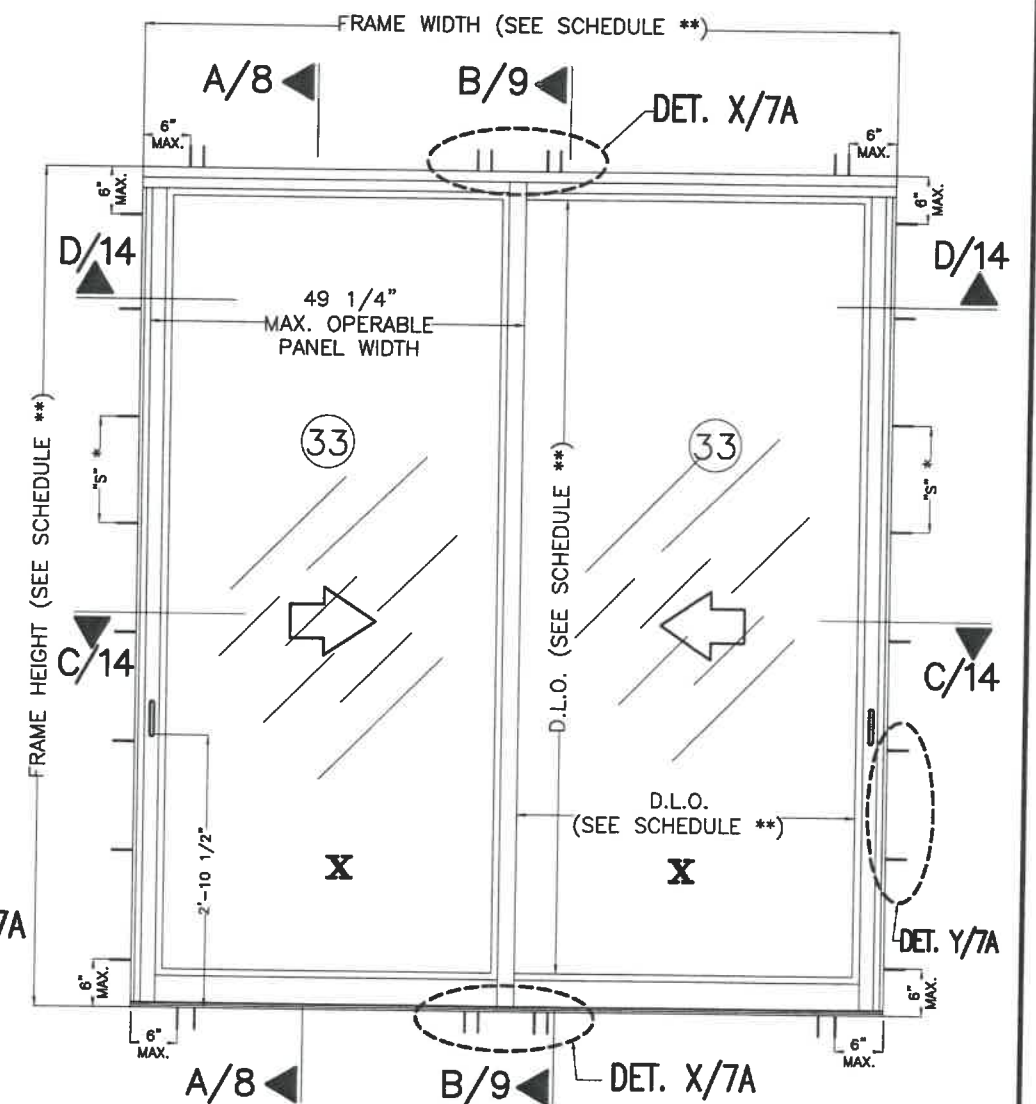
* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.



TYPICAL EXTERIOR ELEVATION (XO)

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

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

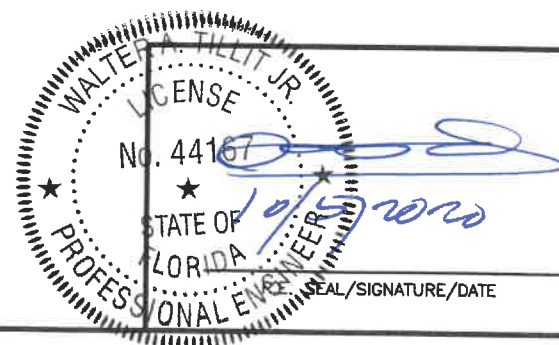


TYPICAL EXTERIOR ELEVATION (XX)

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

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

** FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET 4



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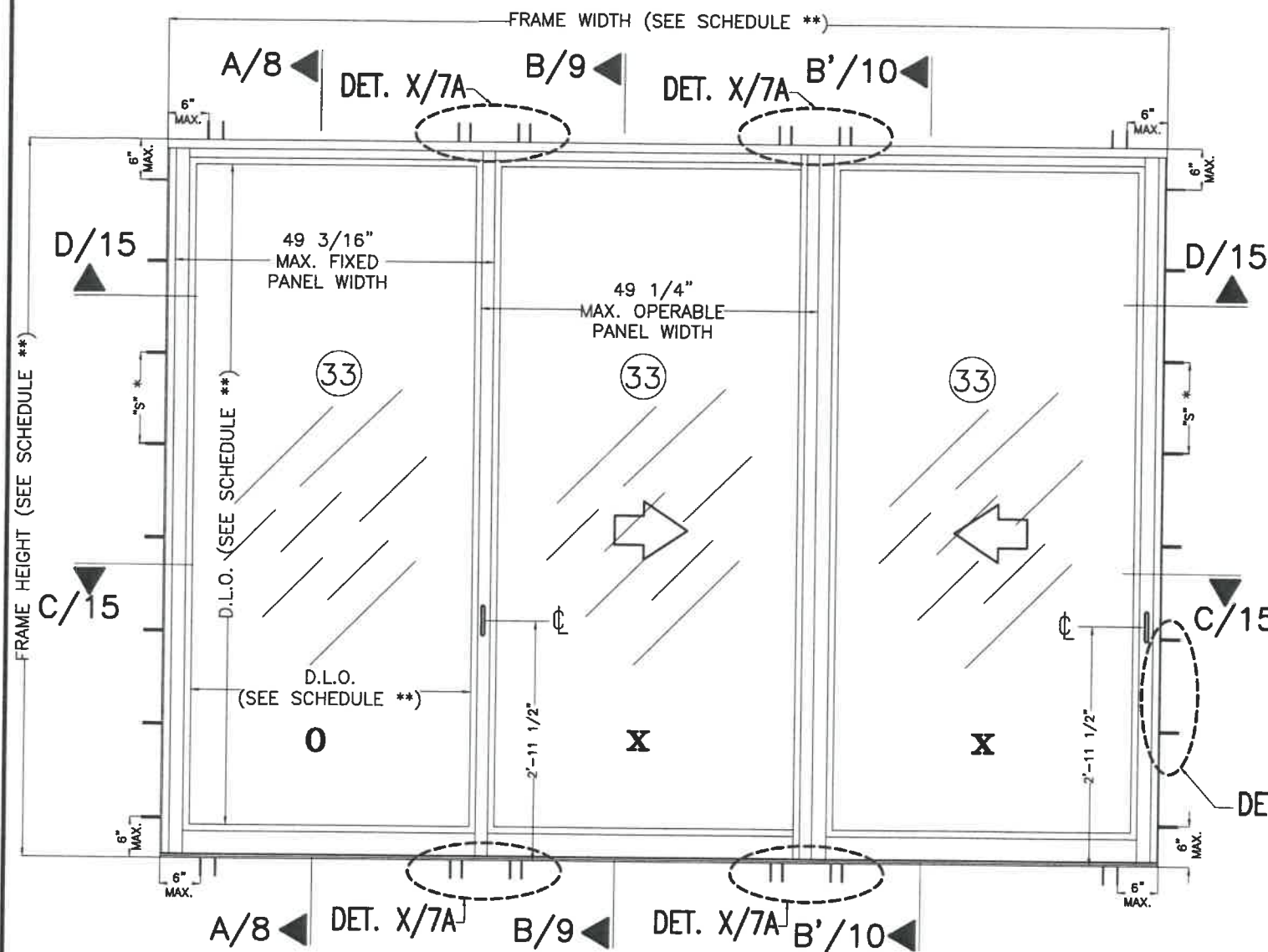
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DRAWING No

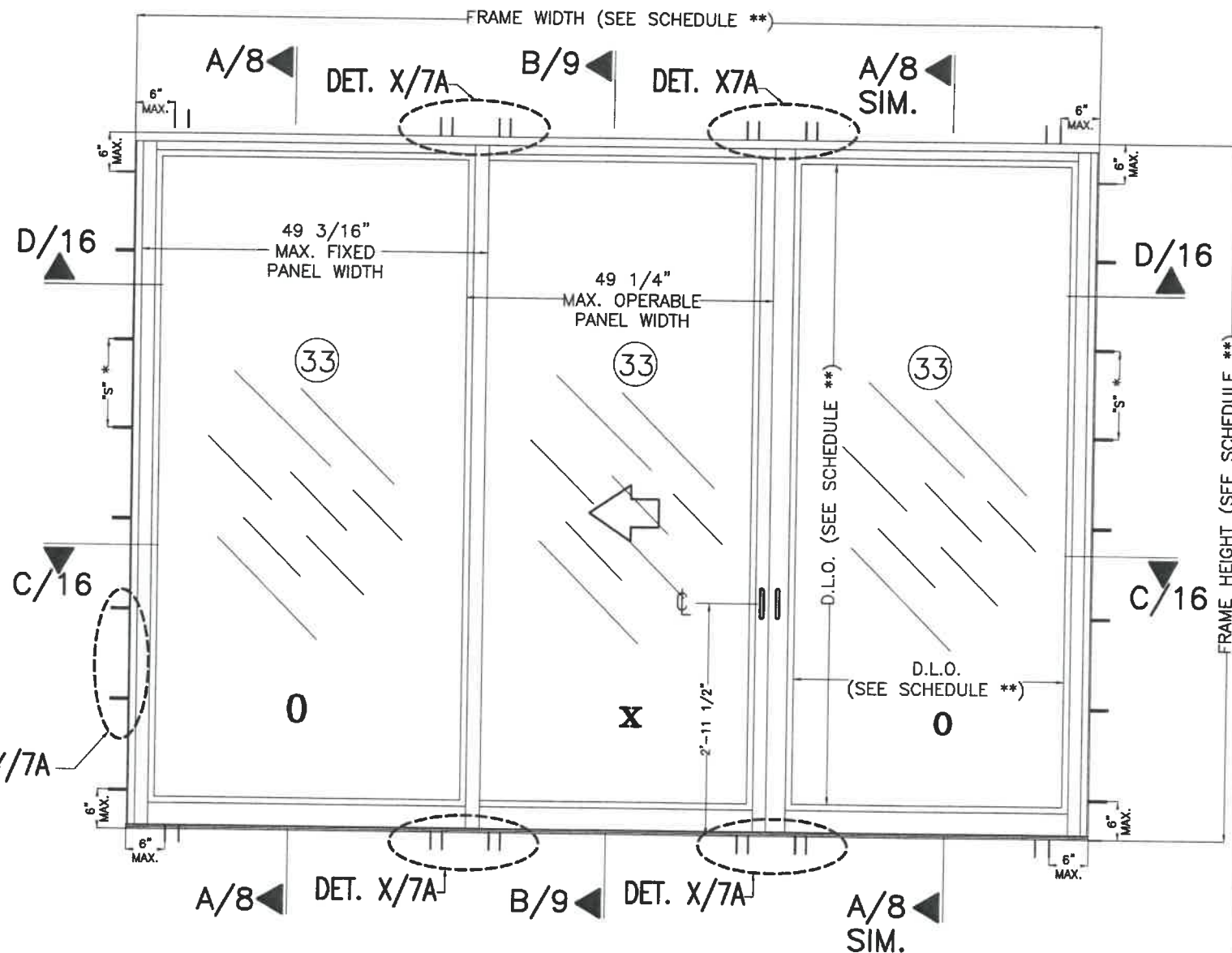
SHEET 5 OF 18



TYPICAL EXTERIOR ELEVATION (OXX)

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

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

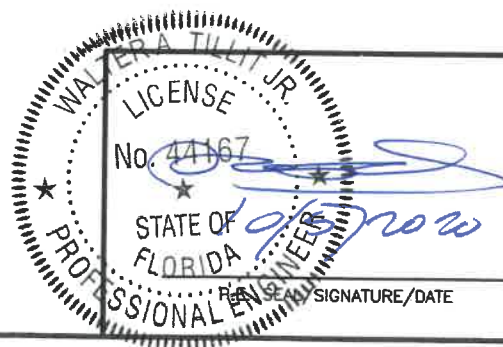


TYPICAL EXTERIOR ELEVATION (OXO)

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

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

** FOR MAXIMUM FRAME & D.L.O.
SEE SCHEDULE ON SHEET 4



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e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR

ALUMINA DISTRIBUTION CENTER

15002 N.W. 107 AVENUE SUITE # 1
HIALEAH GARDENS, FL. 33018
PHONE: (305) 444-1198

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-004	08/03/20	3		
2			4		

DRAWN BY:
F.P.

08/03/2020
DATE

20-229
DRAWING No

SHEET 6 OF 18

NUMBER OF ANCHORS AT CLUSTER ◊ AT HEAD & SILL CONNECTION SCHEDULE
FOR A GIVEN ANCHOR TYPE, SUBSTRATE & MAX. A.S.D. DESIGN PRESSURE
RATING

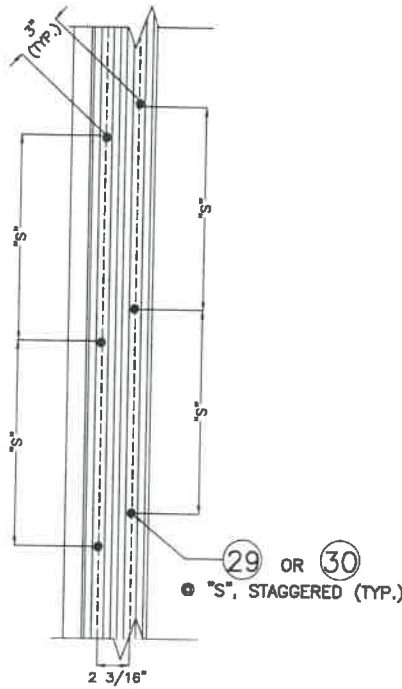
MAXIMUM FRAME HEIGHT	ANCHOR TYPE	SUBSTRATE	MAX. A.S.D. DESIGN PRESSURE RATING	HEAD/SILL "n" # OF ANCHORS FOR TAPCON	FOR KWIK-CON II
9'-0"	1/4"Ø TAPCON OR KWIK-CON II	POURED CONCRETE	+60, -60 psf	9	5
			+75, -75 psf	11	5
			+85, -85 psf	11	7
			+91, -99 psf	13	7
			+100, -120 psf	17	9
	1/4"Ø TAPCON	WOOD	+60, -60 psf	11	N/A
			+75, -75 psf	13	
			+85, -85 psf	15	
			+91, -99 psf	17	
			+100, -120 psf	19	
	1/4"Ø TEK SCREW	ALUMINUM MULLION OR STEEL MEMBER	+60, -60 psf	9	
			+75, -75 psf	11	
			+85, -85 psf	11	
			+91, -99 psf	13	
			+100, -120 psf	17	
8'-0"	1/4"Ø TAPCON OR KWIK-CON II	POURED CONCRETE	+60, -60 psf	7	5
			+75, -75 psf	9	5
			+85, -85 psf	11	5
			+91, -99 psf	11	7
			+100, -120 psf	15	7
	1/4"Ø TAPCON	WOOD	+60, -60 psf	9	N/A
			+75, -75 psf	11	
			+85, -85 psf	13	
			+91, -99 psf	15	
			+100, -120 psf	17	
	1/4"Ø TEK SCREW	ALUMINUM MULLION OR STEEL MEMBER	+60, -60 psf	7	
			+75, -75 psf	9	
			+85, -85 psf	11	
			+91, -99 psf	11	
			+100, -120 psf	15	
7'-0"	1/4"Ø TAPCON OR KWIK-CON II	POURED CONCRETE	+60, -60 psf	7	3
			+75, -75 psf	9	5
			+85, -85 psf	9	5
			+91, -99 psf	11	5
			+100, -120 psf	13	7
	1/4"Ø TAPCON	WOOD	+60, -60 psf	7	N/A
			+75, -75 psf	9	
			+85, -85 psf	11	
			+91, -99 psf	13	
			+100, -120 psf	15	
	1/4"Ø TEK SCREW	ALUMINUM MULLION OR STEEL MEMBER	+60, -60 psf	7	
			+75, -75 psf	9	
			+85, -85 psf	9	
			+91, -99 psf	11	
			+100, -120 psf	13	

◊ CORRESPONDS TO CLUSTER OF (29) OR (30) ANCHORS AT ◊ OF STILES/ASTRAGAL LOCATION
(SEE DETAIL X)

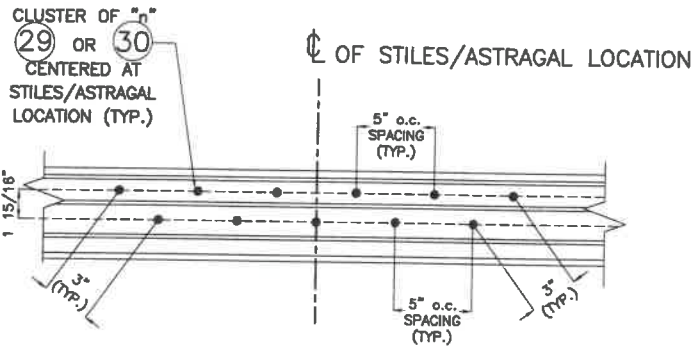
MAXIMUM ANCHORS SPACING "S" * AT JAMBS CONNECTION SCHEDULE
FOR A GIVEN ANCHOR TYPE, SUBSTRATE & MAX. A.S.D. DESIGN
PRESSURE RATING

MAXIMUM FRAME HEIGHT	ANCHOR TYPE	SUBSTRATE	MAX. A.S.D. DESIGN PRESSURE RATING	JAMBS "n" # OF ANCHORS FOR TAPCON	FOR KWIK-CON II
9'-0" OR 8'-0" OR 7'-0"	1/4"Ø TAPCON OR KWIK-CON II	POURED CONCRETE OR CONCRETE BLOCK	+60, -60 psf	18" o.c.	18" o.c.
			+75, -75 psf	18" o.c.	18" o.c.
			+85, -85 psf	18" o.c.	18" o.c.
			+91, -99 psf	16 1/2" o.c.	18" o.c.
			+100, -120 psf	13 1/2" o.c.	18" o.c.
	1/4"Ø TAPCON	WOOD	+60, -60 psf	18" o.c.	N/A
			+75, -75 psf	18" o.c.	
			+85, -85 psf	16" o.c.	
			+91, -99 psf	13 1/2" o.c.	
			+100, -120 psf	11" o.c.	
	1/4"Ø TEK SCREW	ALUMINUM MULLION OR STEEL MEMBER	+60, -60 psf	18" o.c.	
			+75, -75 psf	18" o.c.	
			+85, -85 psf	18" o.c.	
			+91, -99 psf	16 1/2" o.c.	
			+100, -120 psf	13 1/2" o.c.	

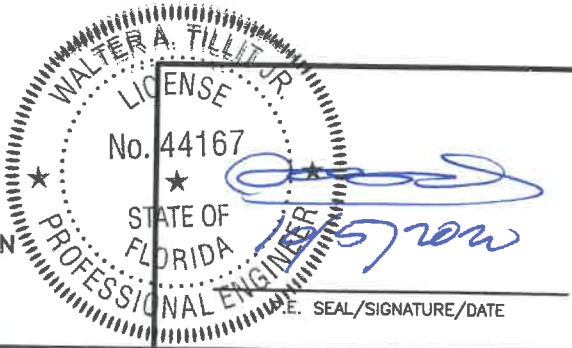
* CORRESPONDS TO THE SPACING OF TWO STAGGERED ANCHORS (SEE DETAIL Y)



DETAIL Y-Y
JAMB CASE
N.T.S.



DETAIL X-X
HEAD & SILL CASE
N.T.S.



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SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR			DRAWN BY: F.P.		
ALUMINA DISTRIBUTION CENTER			08/03/2020 DATE		
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-004	08/03/20	3		
2			4		
SHEET 7A OF 18					

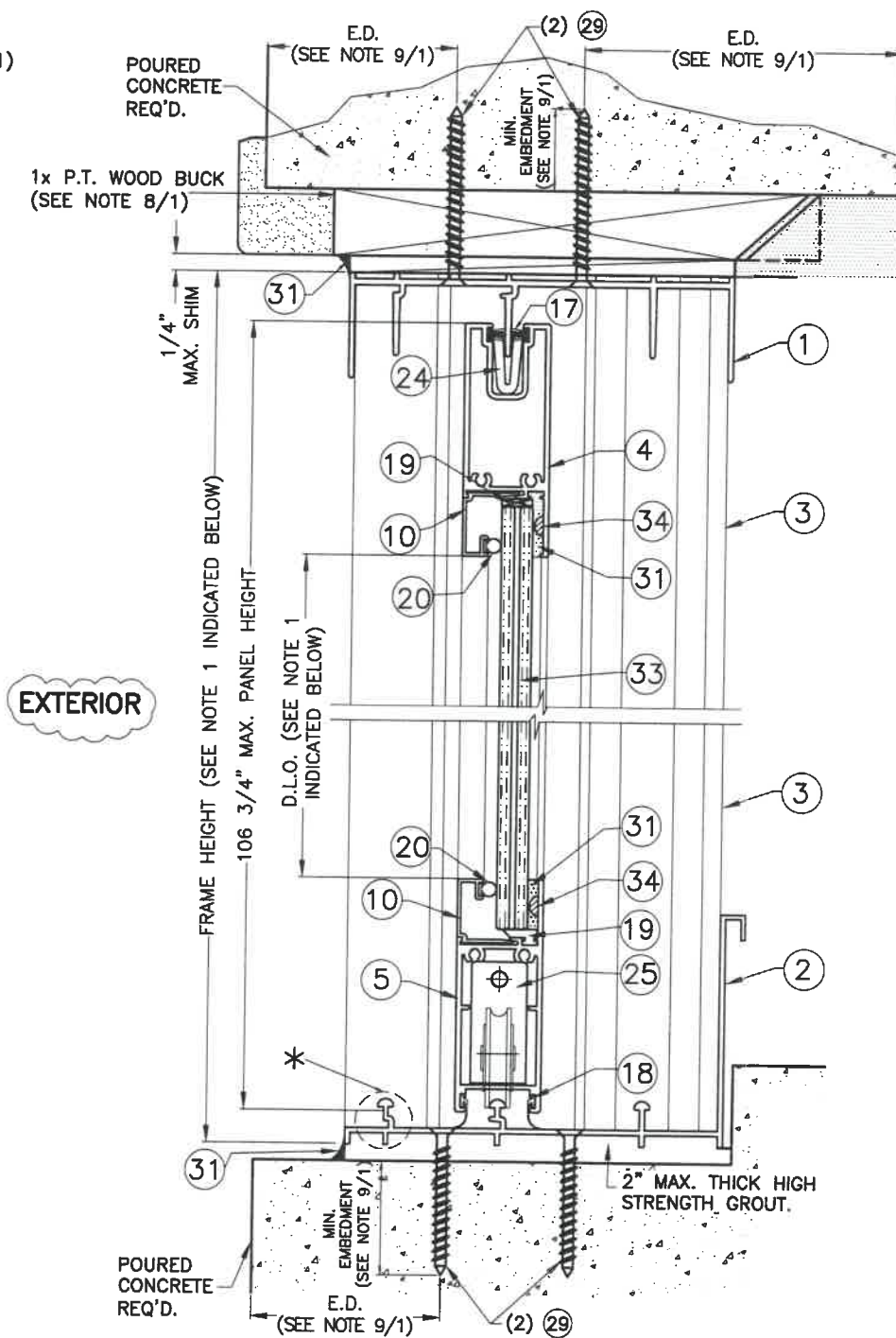


2. SUBSTRATES CAN BE COMBINED
AS APPLICABLE.

* (2) 1/4" LONG WEEP NOTCHES,
(1) AT EACH END OF EACH
SCREEN RETAINER TRACK AT (2)

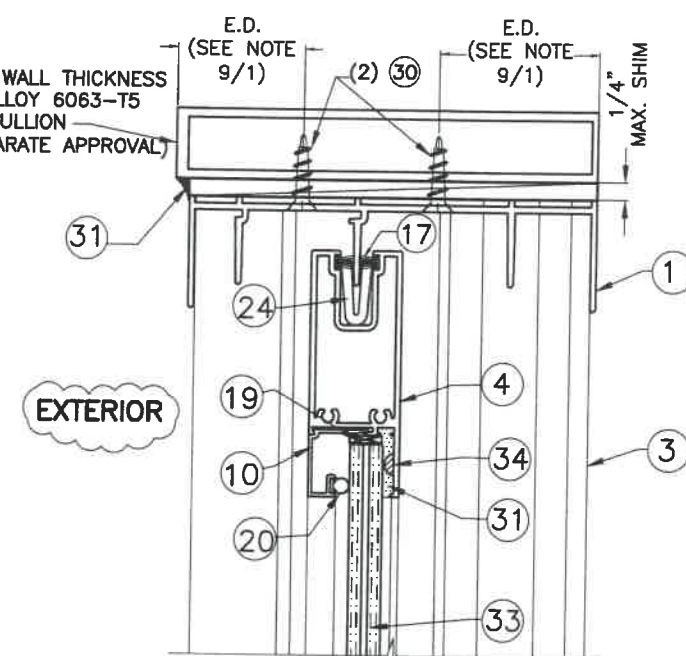
SECTION A-

SCALE: $3/8"=1"$

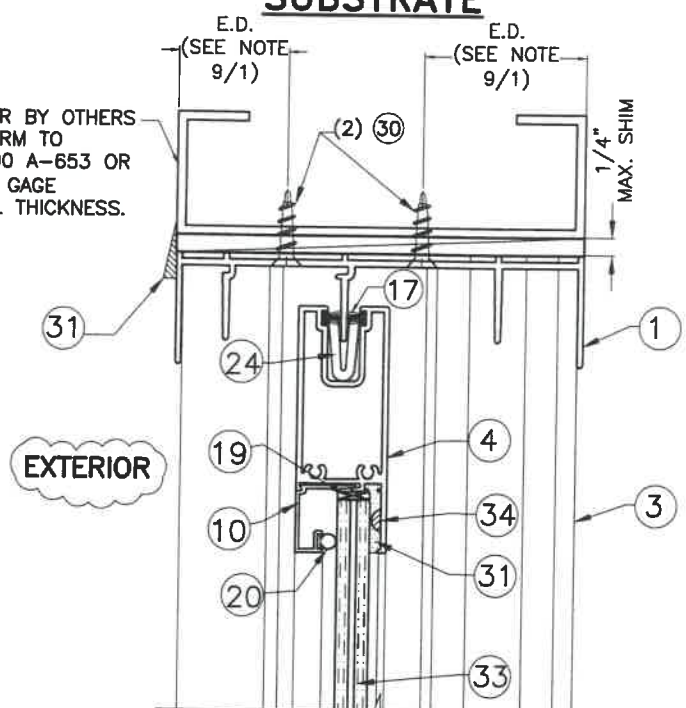


POURED CONCRETE/
CONCRETE BLOCK
SUBSTRATE

STEEL MEMBER BY OTHERS
SHALL CONFORM TO
A.S.T.M. A-500 A-653 OR
A-36 W/ 12 GAGE
MINIMUM WALL THICKNESS.



ALUMINUM MULLION
SUBSTRATE



STEEL MEMBER
SUBSTRATE

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

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ALUMINA DISTRIBUTION CENTER

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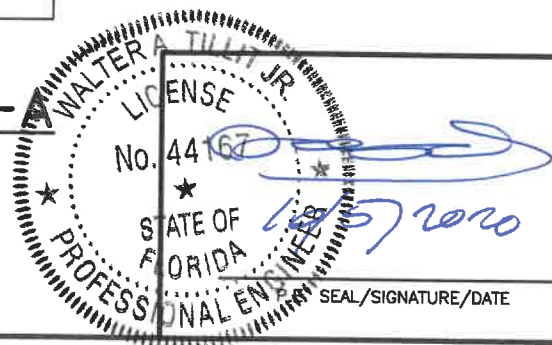
DRAWN BY:
F.P.

08/03/2020
DATE

20-229
DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2			4		

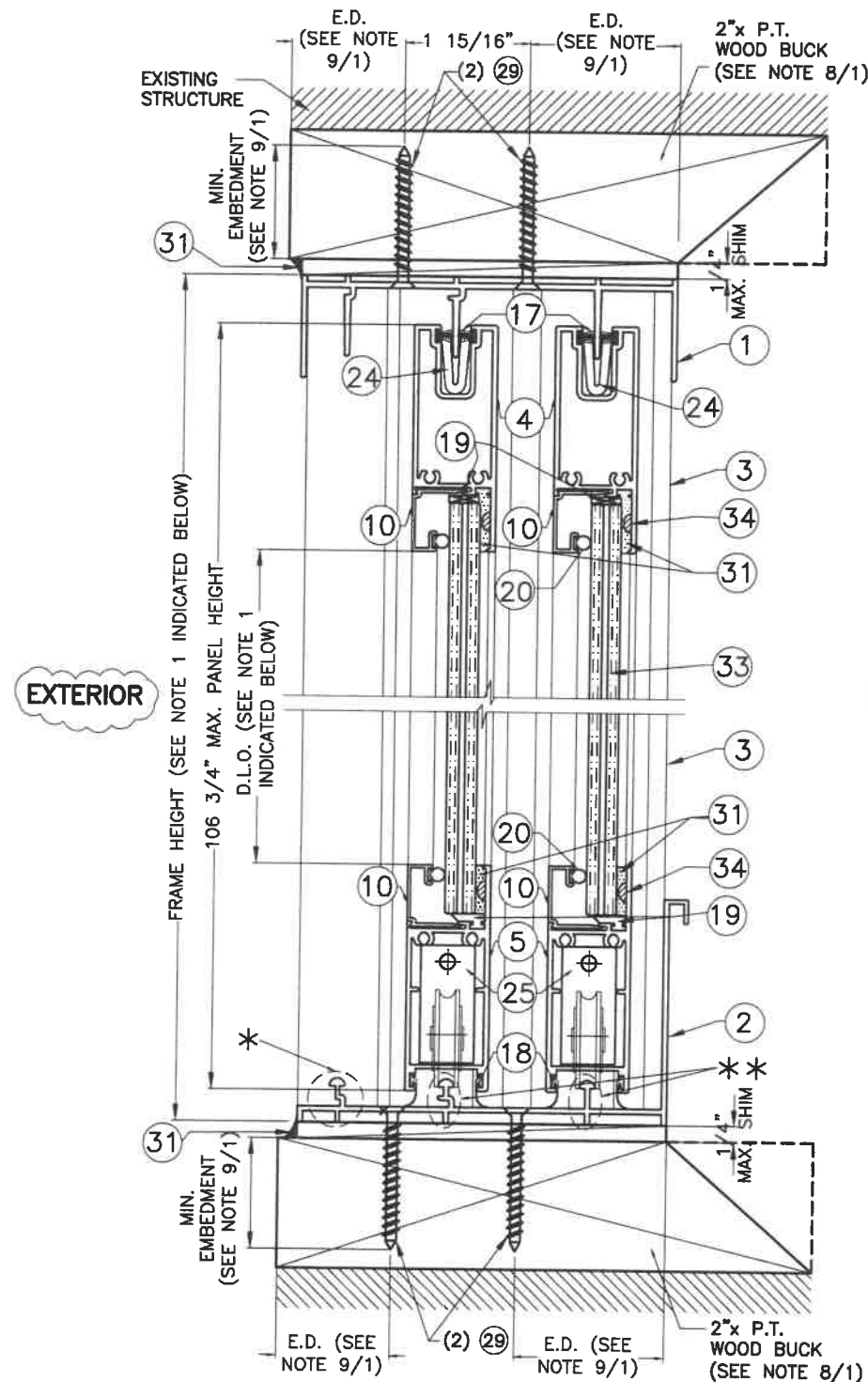
SHEET 8 OF 18



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FLORIDA Lic. 44167



WOOD SUBSTRATE

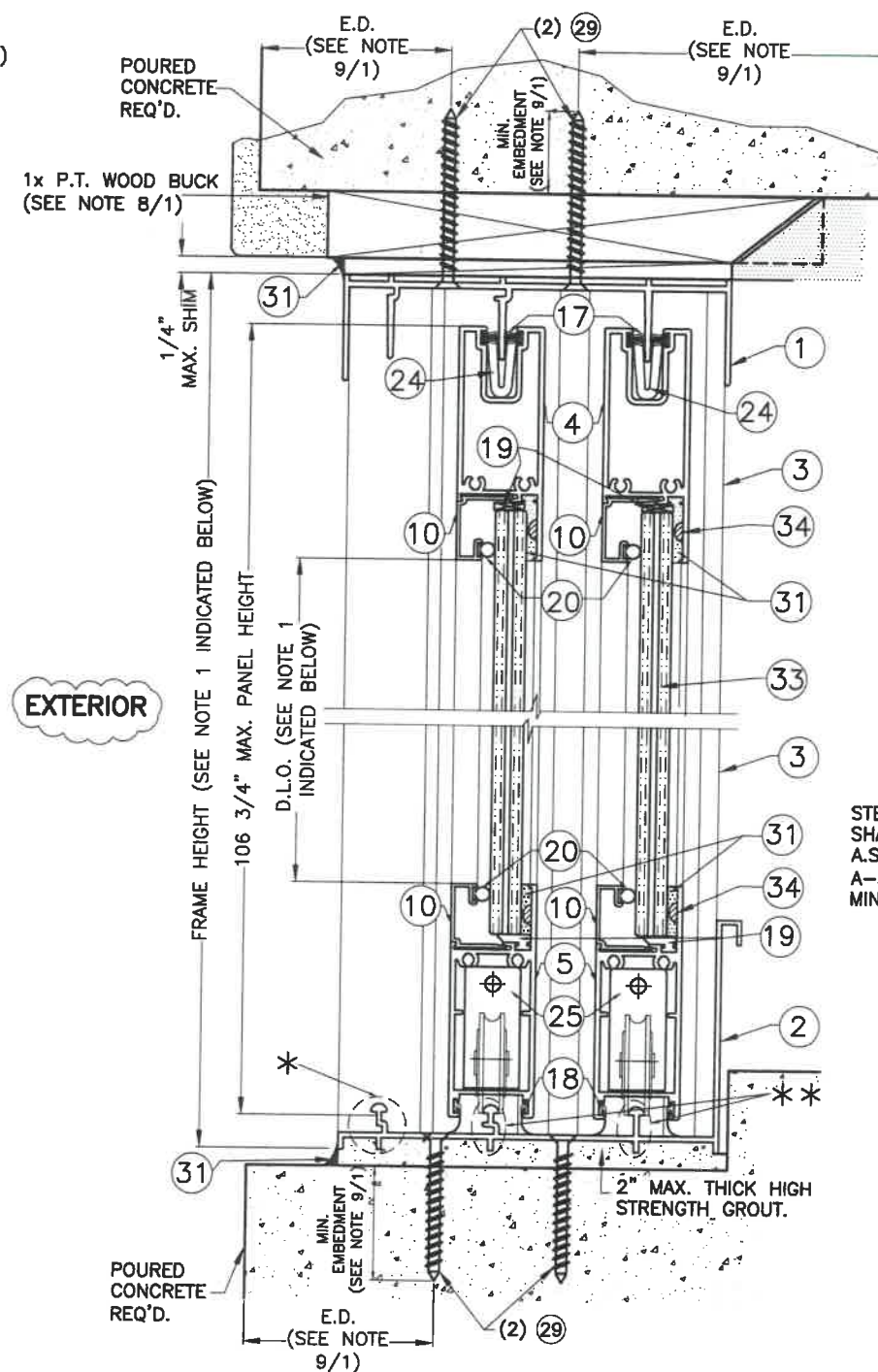
NOTES:

1. FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET 4 & FOR ANCHOR'S CONCENTRATION NEEDED AT STILES/ASTRAGAL SEE SCHEDULE ON SHEET 7A.
2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.

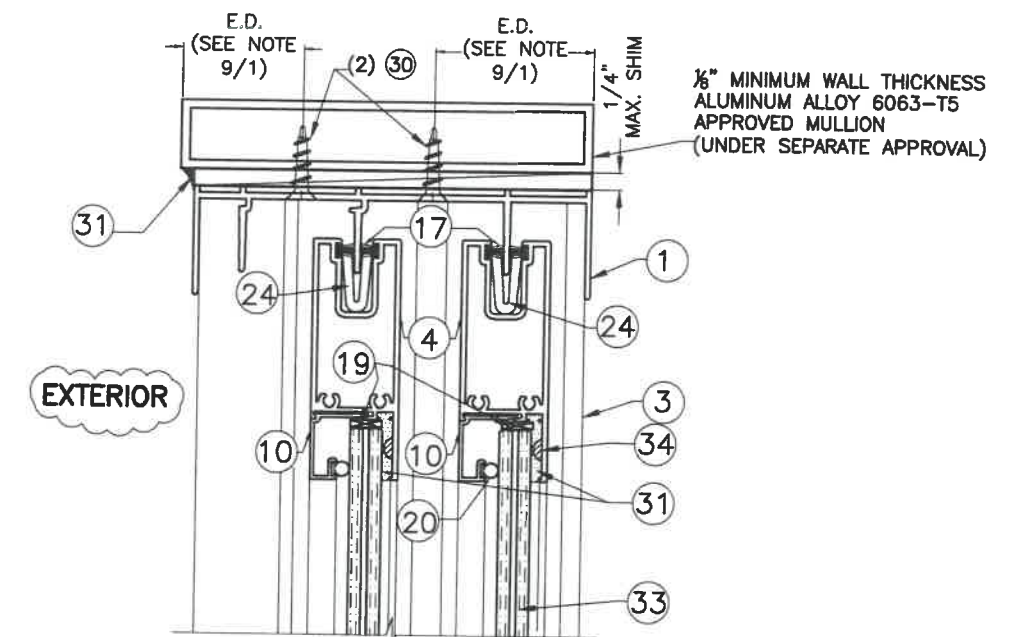
- * (2) 1/4" LONG WEEP NOTCHES,
(1) AT EACH END OF EACH
SCREEN RETAINER TRACK AT (2)
- ** (4) 11/16" LONG WEEP NOTCHES,
(1) AT EACH END OF EACH
OPERABLE PANEL TRACK AT (2)

SECTION B-B

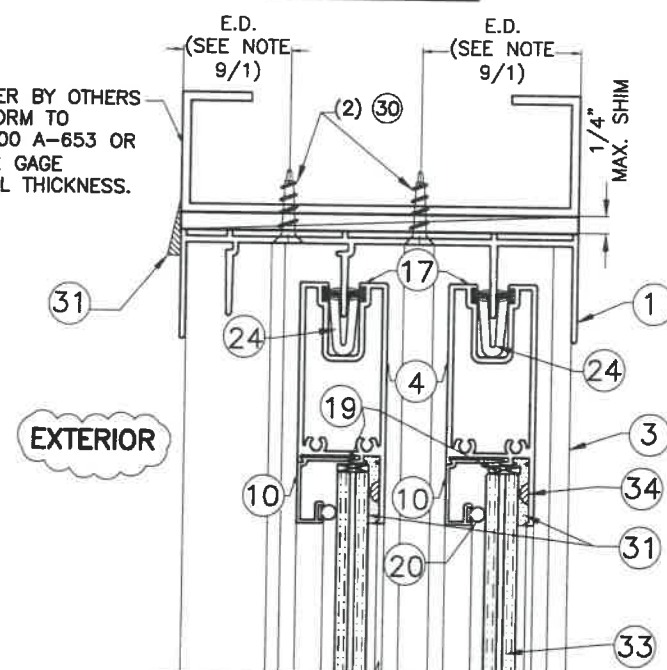
SCALE: 3/8"=1"



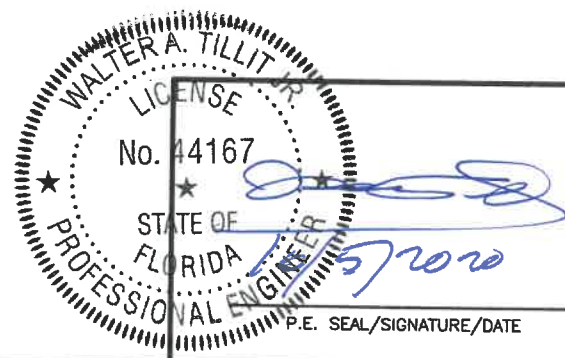
POURED CONCRETE/ CONCRETE BLOCK SUBSTRATE



ALUMINUM MULLION SUBSTRATE



STEEL MEMBER SUBSTRATE



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PHONE: (305) 444-1198

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F.P.

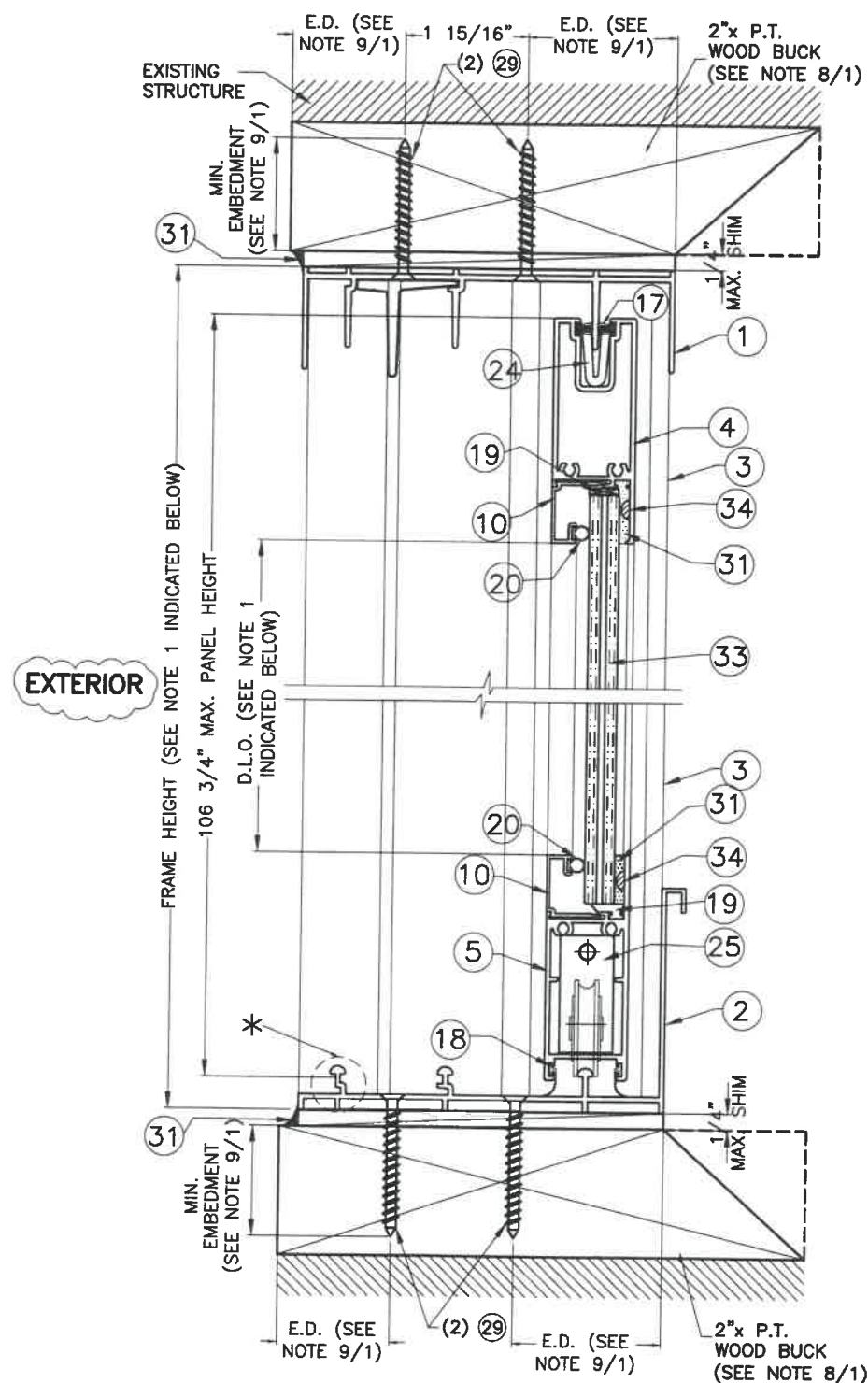
08/03/2020
DATE

20-229

DRAWING No

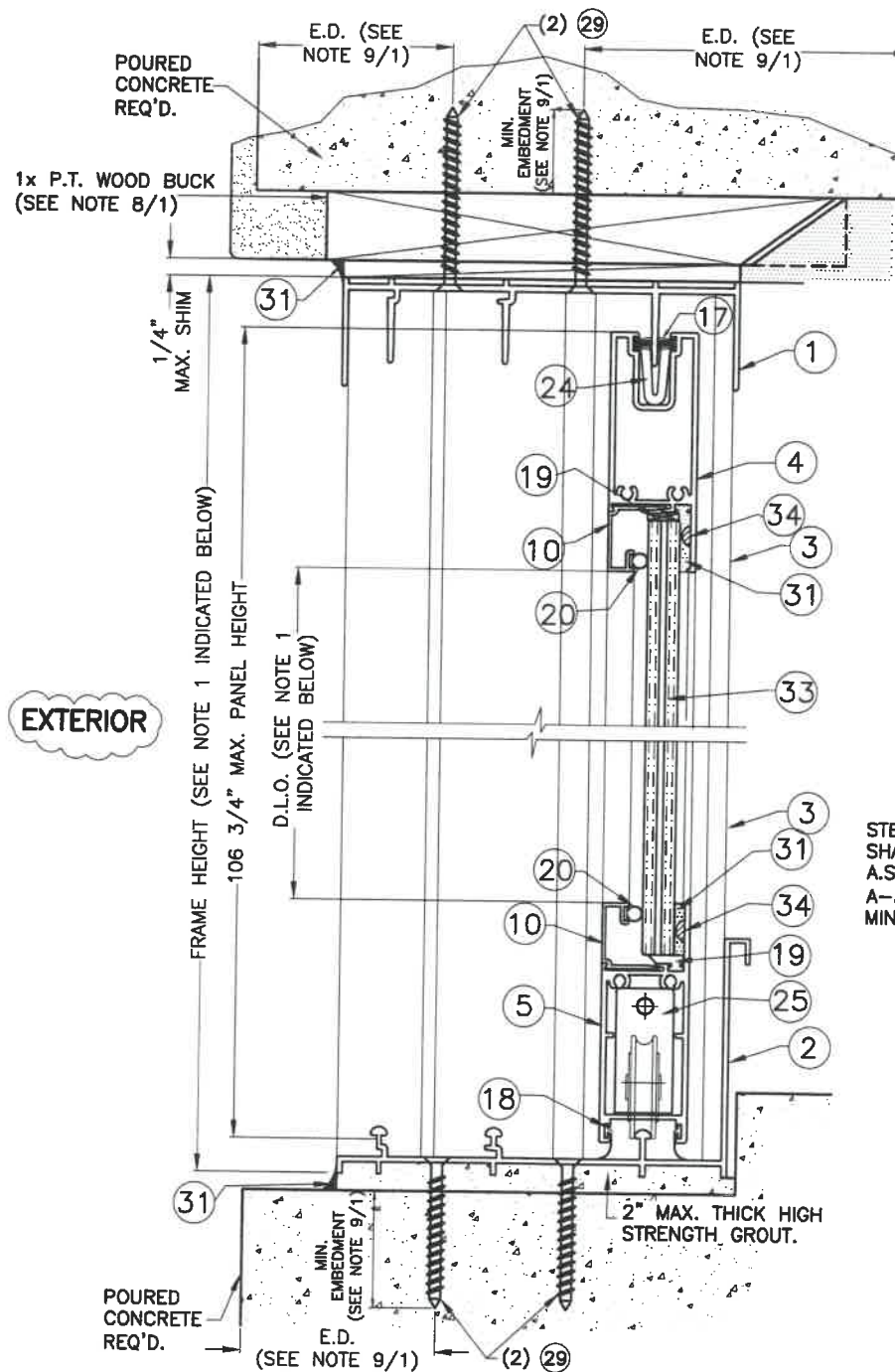
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2			4		

SHEET 9 OF 18

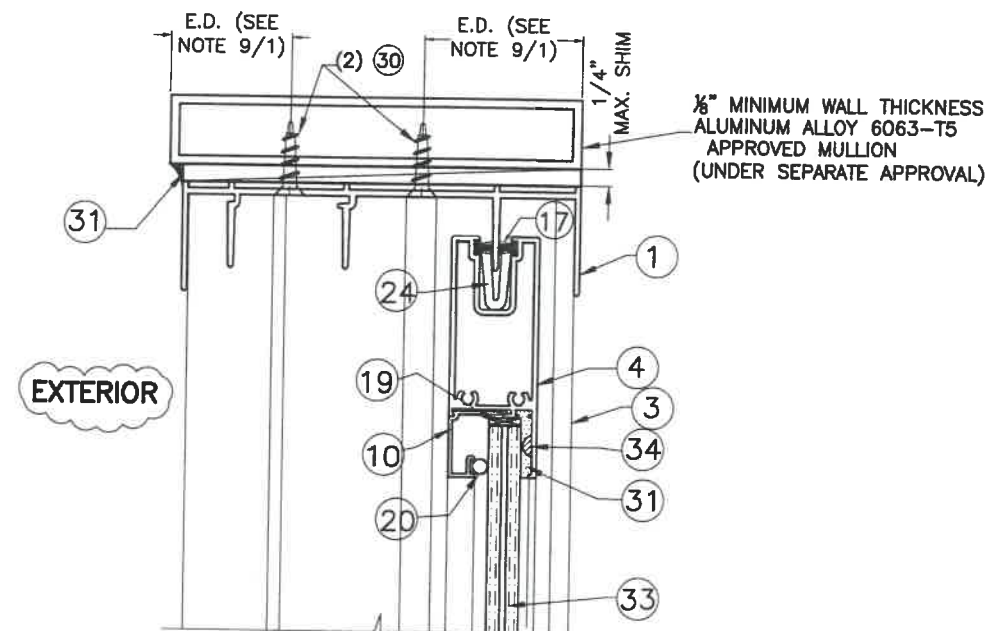


**WOOD
SUBSTRATE**

* (2) 1/4" LONG WEEP NOTCHES,
(1) AT EACH END OF EACH
SCREEN RETAINER TRACK AT (2)

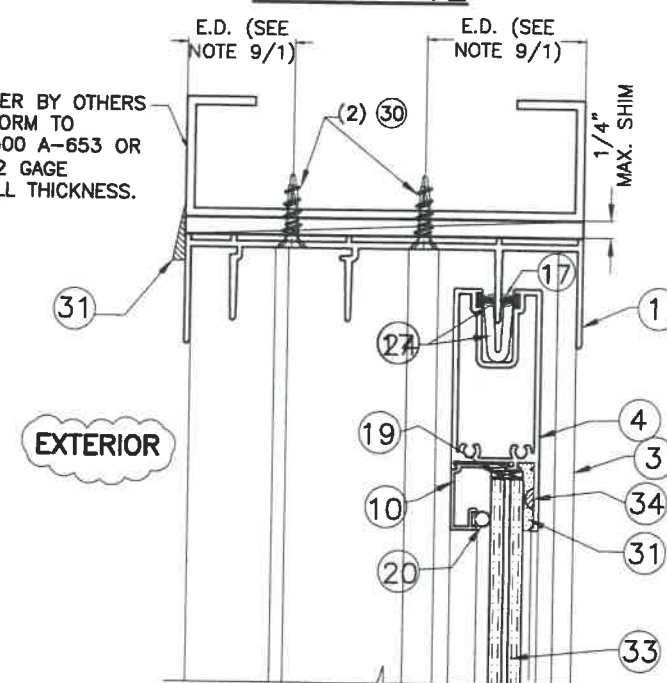


**POURED CONCRETE/
CONCRETE BLOCK
SUBSTRATE**



**ALUMINUM MULLION
SUBSTRATE**

STEEL MEMBER BY OTHERS
SHALL CONFORM TO
A.S.T.M. A-500 A-653 OR
A-36 W/ 12 GAGE
MINIMUM WALL THICKNESS.



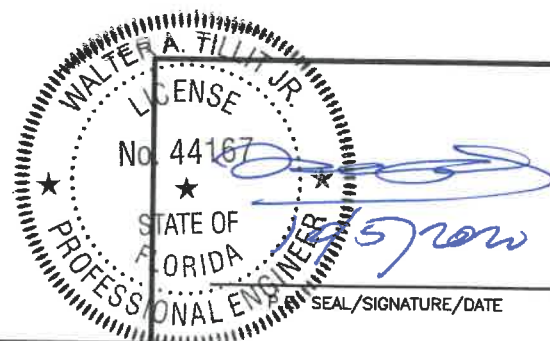
**STEEL MEMBER
SUBSTRATE**

NOTES:

1. FOR MAXIMUM FRAME & D.L.O.
SEE SCHEDULE ON SHEET 4 &
FOR ANCHOR'S CONCENTRATION
NEEDED AT STILES/ASTRAGAL
SEE SCHEDULE ON SHEET 7A.

2. SUBSTRATES CAN BE COMBINED
AS APPLICABLE.

SECTION B'-B'
SCALE: 3/8"=1"



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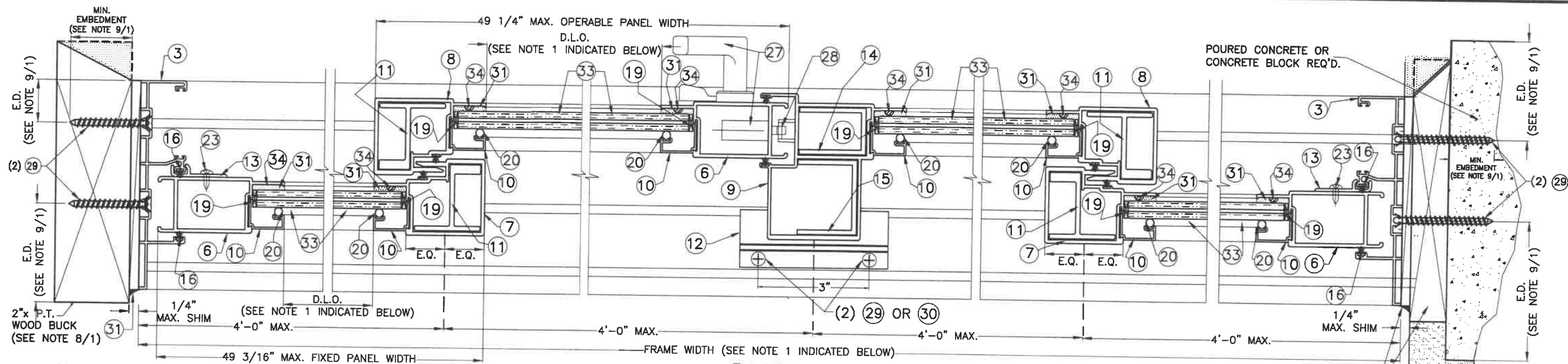
DRAWN BY:
F.P.

08/03/2020
DATE

20-229
DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-004	08/03/20	3		
2			4		

SHEET 10 OF 18



**WOOD
SUBSTRATE**

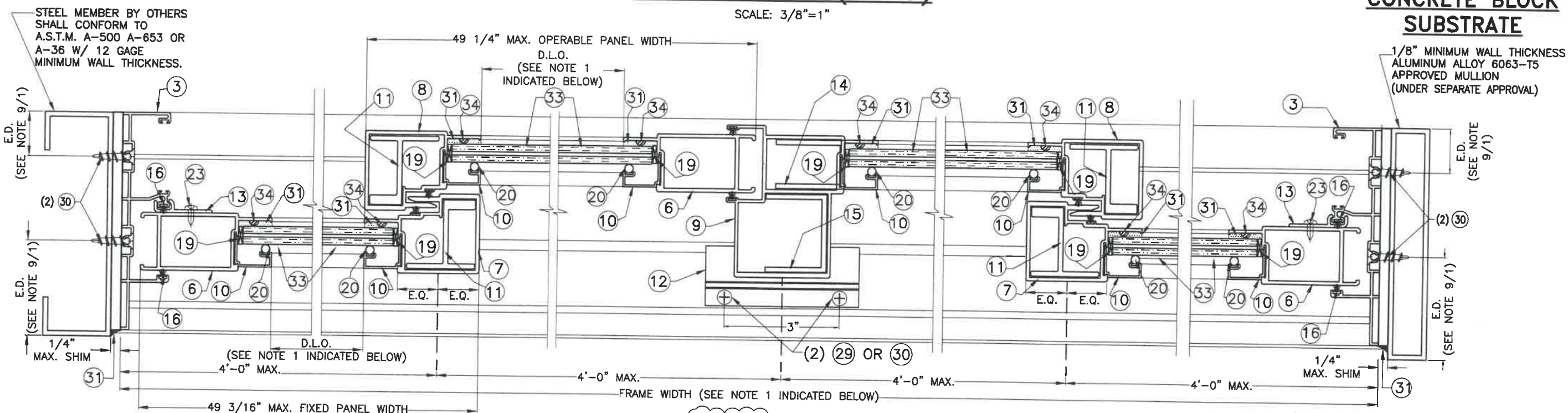
EXTERIOR

SECTION C-C (OXXO)

SCALE: 3/8"=1"

1x P.T. WOOD BUCK
(SEE NOTE 8/1)

**POURED CONCRETE/
CONCRETE BLOCK
SUBSTRATE**



**STEEL MEMBER
SUBSTRATE**

EXTERIOR

SECTION D-D (OXXO)

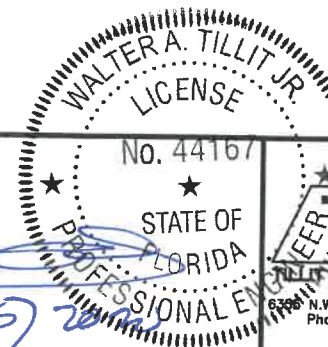
SCALE: 3/8"=1"

**ALUMINUM MULLION
SUBSTRATE**

NOTES:

1. FOR MAXIMUM FRAME & D.L.O.
SEE SCHEDULE ON SHEET 4
& FOR ANCHOR'S SPACING
SEE SCHEDULE ON SHEET 7A.

2. SUBSTRATES CAN BE COMBINED
AS APPLICABLE.



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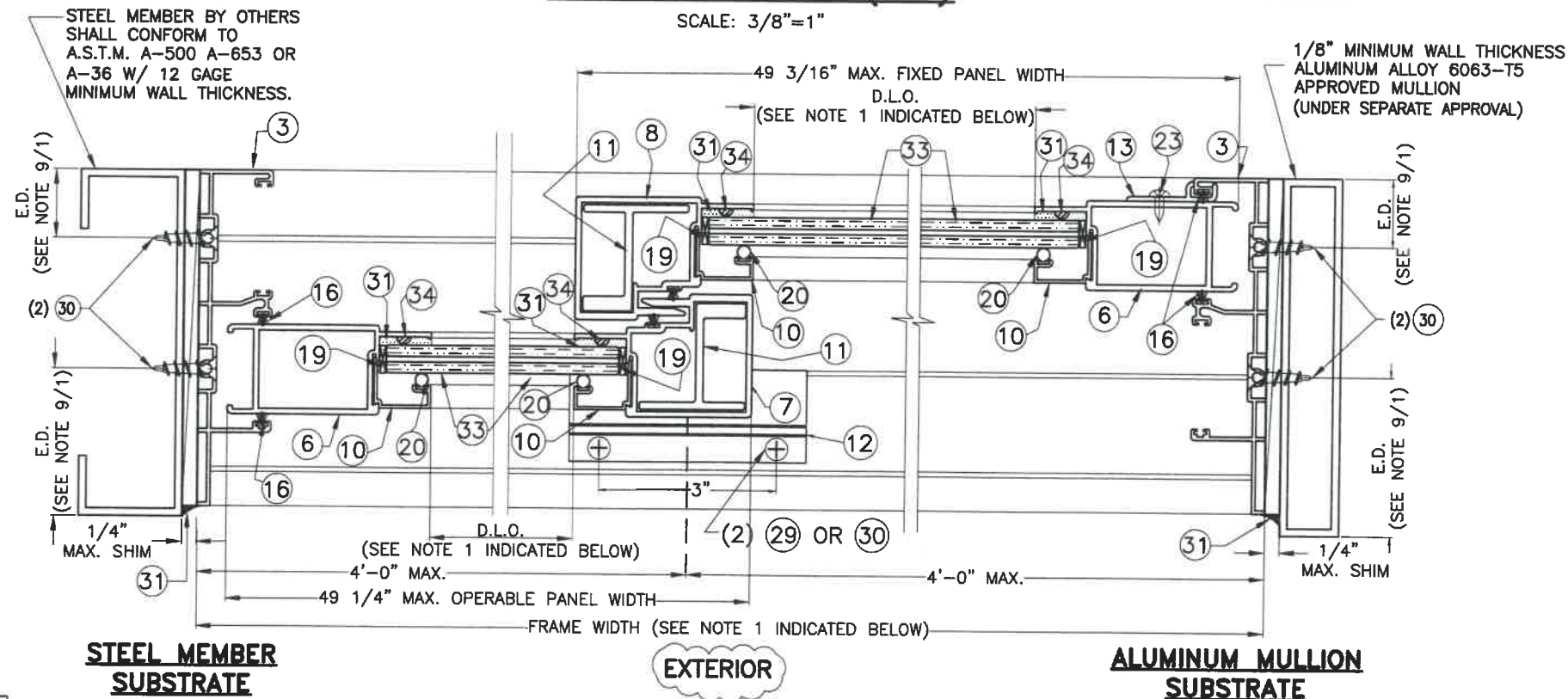
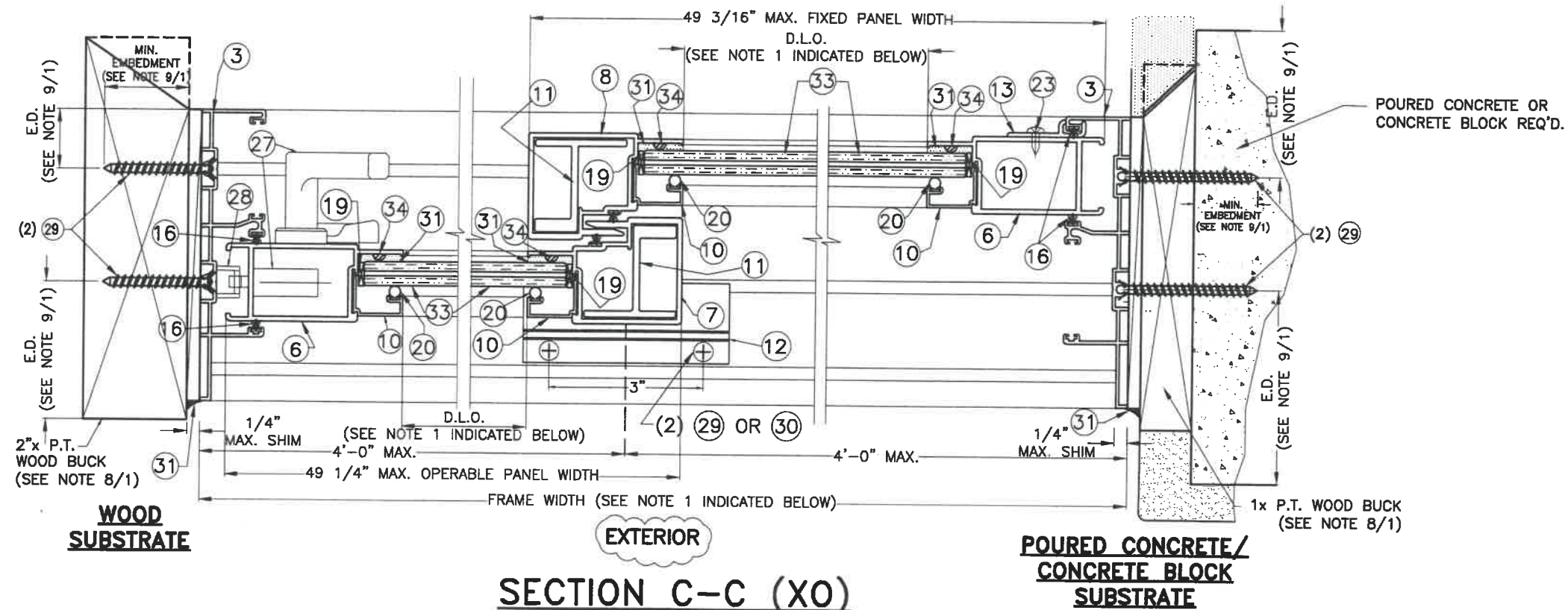
08/03/2020
DATE

20-229
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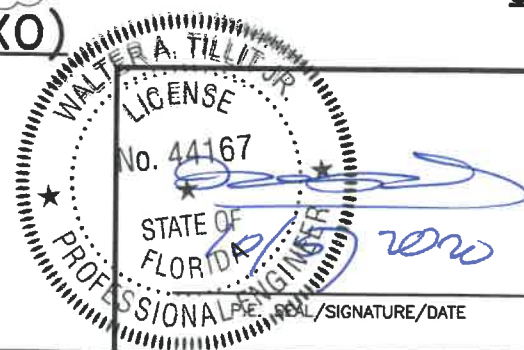
SHEET 11 OF 18

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 20-004	08/03/20	3		
2			4		





- NOTES:**
1. FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET 4 & FOR ANCHOR'S SPACING SEE SCHEDULE ON SHEET 7A.
 2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.



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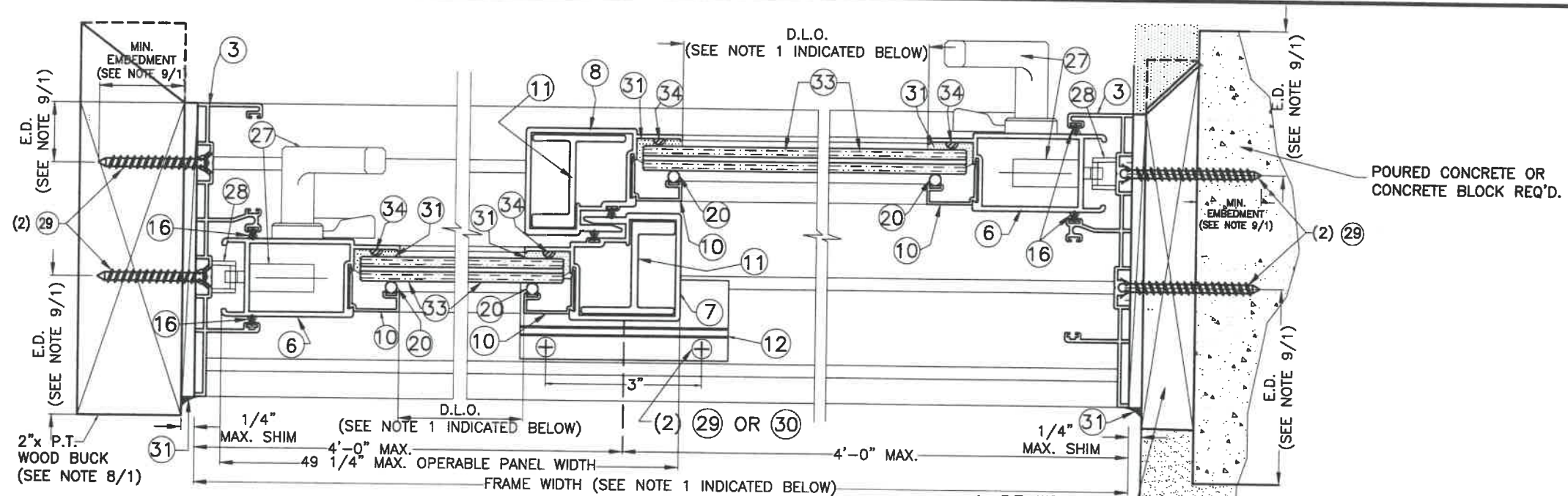
CA-0006719

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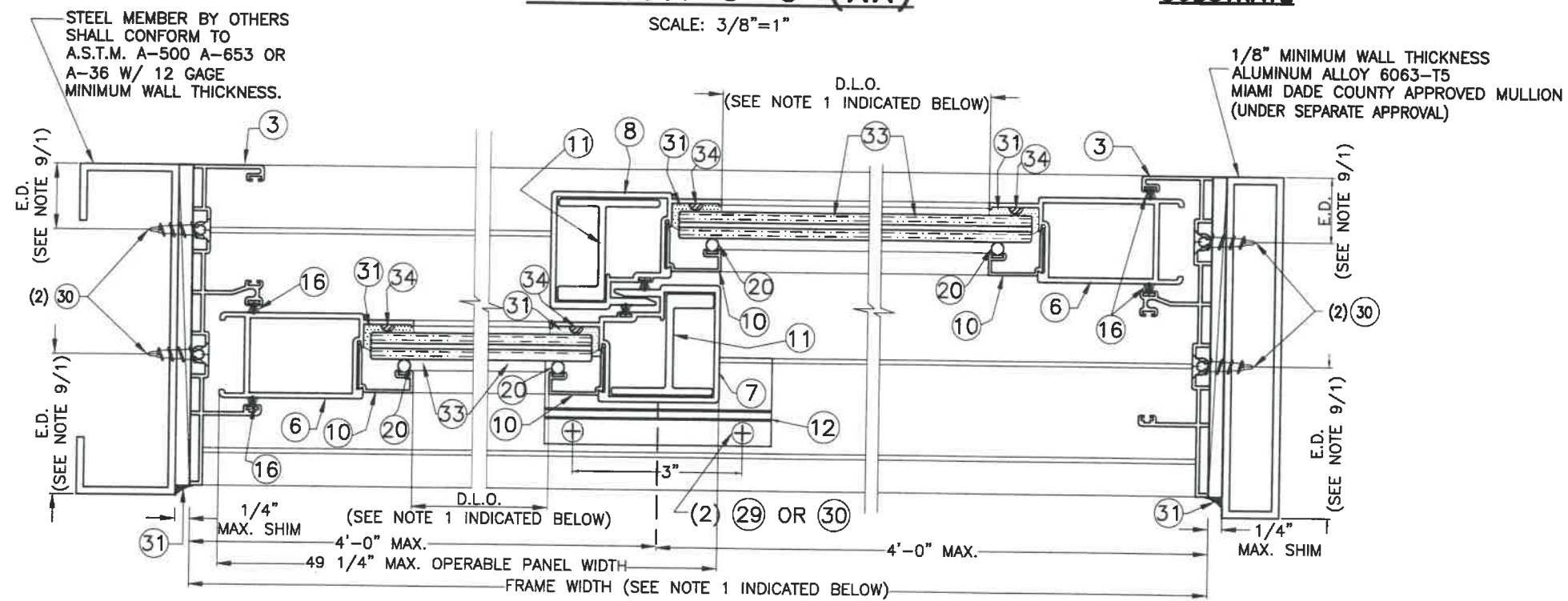
FLORIDA Lic. 44167

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SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR						DRAWN BY: F.P.	
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						20-229 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 13 OF 18	
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2			4				

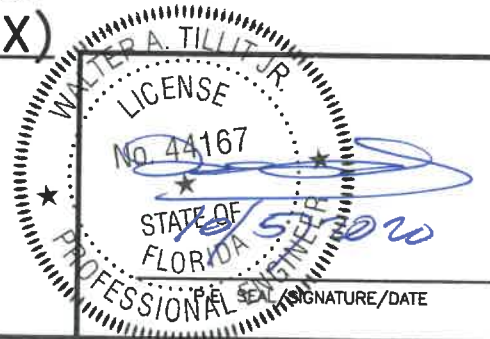


SECTION C-C (XX)
SCALE: 3/8"=1"



SECTION D-D (XX)
SCALE: 3/8"=1"

- NOTES:**
1. FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET 4 & FOR ANCHOR'S SPACING SEE SCHEDULE ON SHEET 7A.
 2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.



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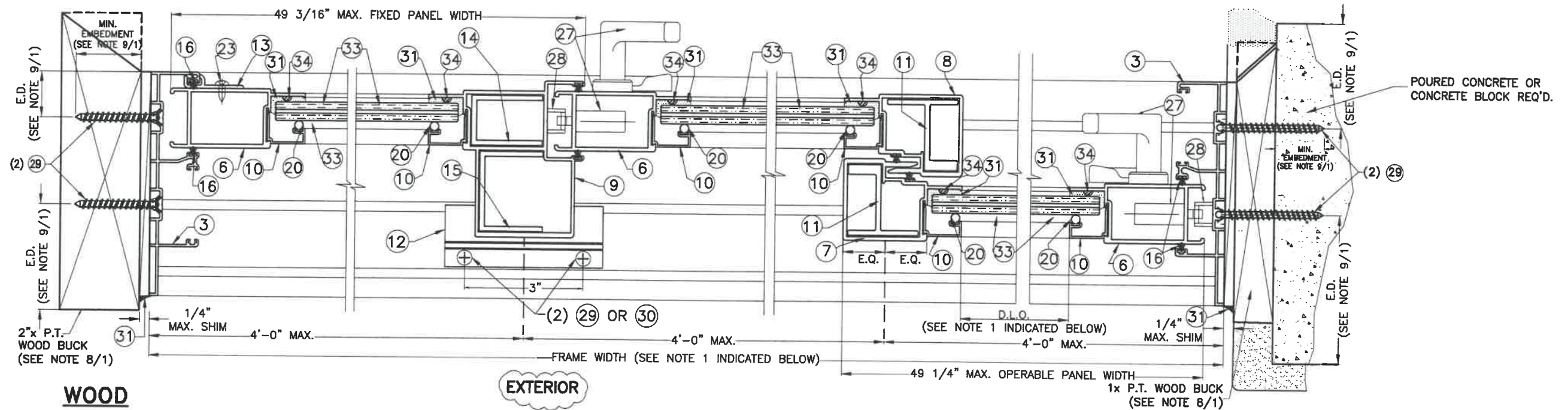
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SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR						DRAWN BY: F.P.
ALUMINA DISTRIBUTION CENTER						08/03/2020 DATE
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 14 OF 18
1	OLD 20-004	06/03/20	3			
2			4			

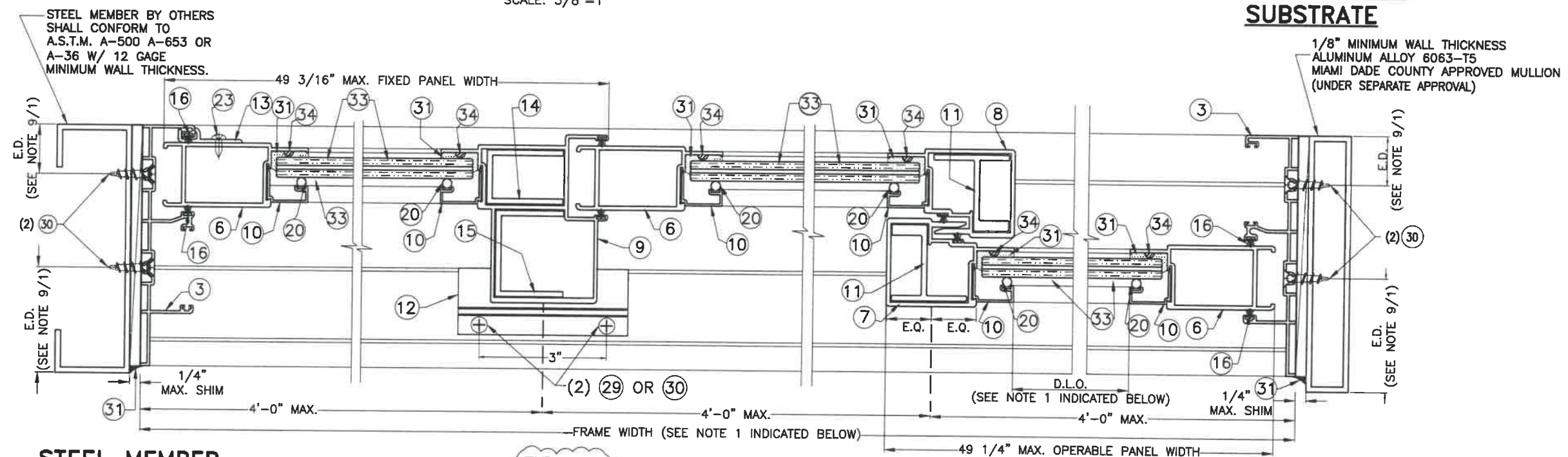


**WOOD
SUBSTRATE**

SECTION C-C (OXX)

SCALE: 3/8"=1"

**POURED CONCRETE/
CONCRETE BLOCK
SUBSTRATE**



**STEEL MEMBER
SUBSTRATE**

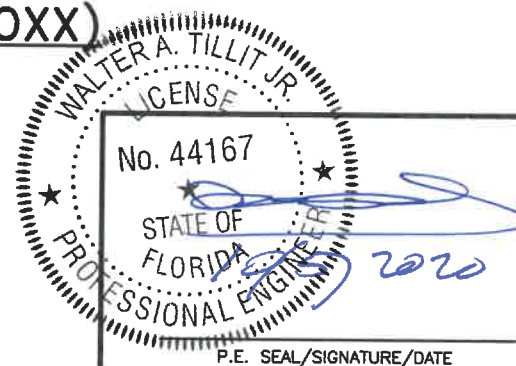
SECTION D-D (OXX)

SCALE: 3/8"=1"

**ALUMINUM MULLION
SUBSTRATE**

NOTES:

1. FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET 4 & FOR ANCHOR'S SPACING SEE SCHEDULE ON SHEET 7A.
2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.



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ALUMINA DISTRIBUTION CENTER

15002 N.W. 107 AVENUE SUITE # 1
HIALEAH GARDENS, FL. 33018
PHONE: (305) 444-1198

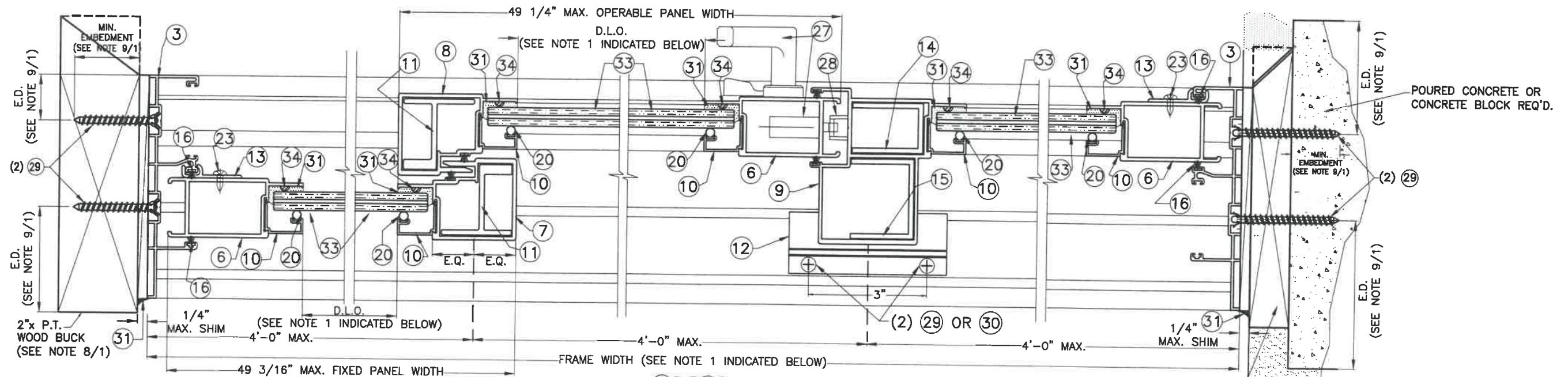
DRAWN BY:
F.P.

08/03/2020
DATE

20-229
DRAWING No

SHEET 15 OF 18

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-004	08/03/20	3		
2			4		

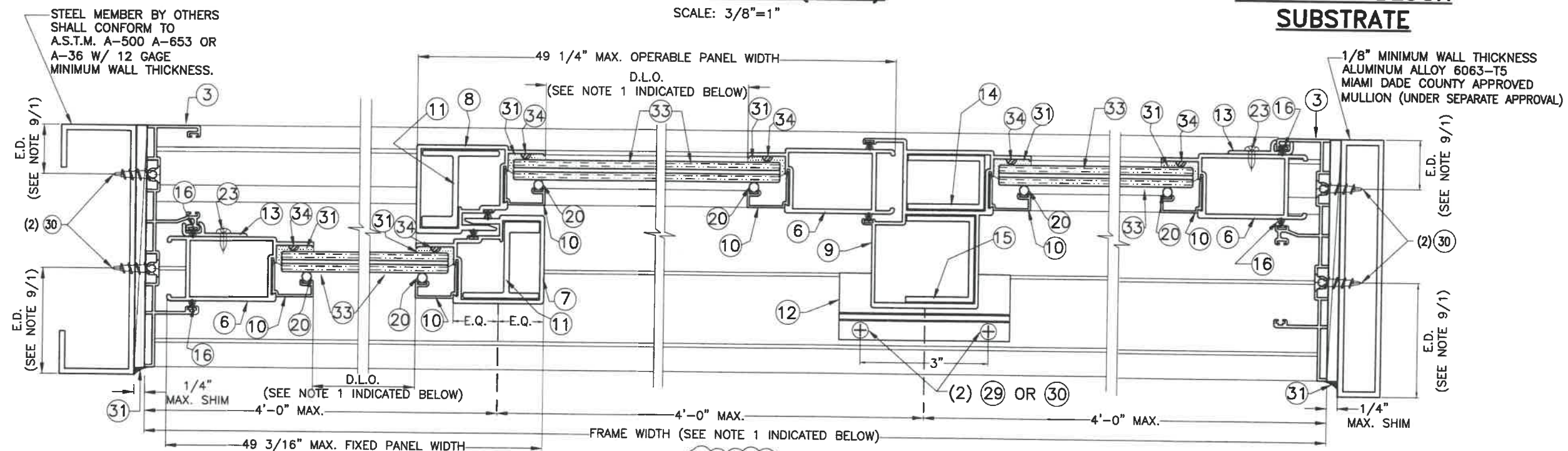


**WOOD
SUBSTRATE**

SECTION C-C (OXO)

SCALE: 3/8"=1"

**POURED CONCRETE/
CONCRETE BLOCK
SUBSTRATE**



**STEEL MEMBER
SUBSTRATE**

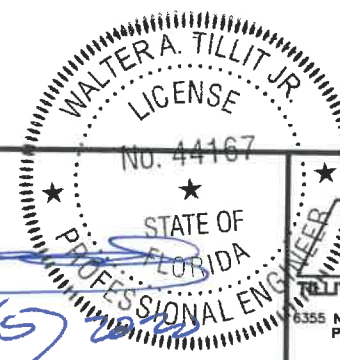
SECTION D-D (OXO)

SCALE: 3/8"=1"

**ALUMINUM MULLION
SUBSTRATE**

NOTES:

1. FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET 4 & FOR ANCHOR'S SPACING SEE SCHEDULE ON SHEET 7A.
2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.



P.E. SEAL/SIGNATURE/DATE

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TILTECO INC.
TILIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305) 871-1530 . Fax : (305) 871-1531
e-mail: tiltco@aol.com
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR

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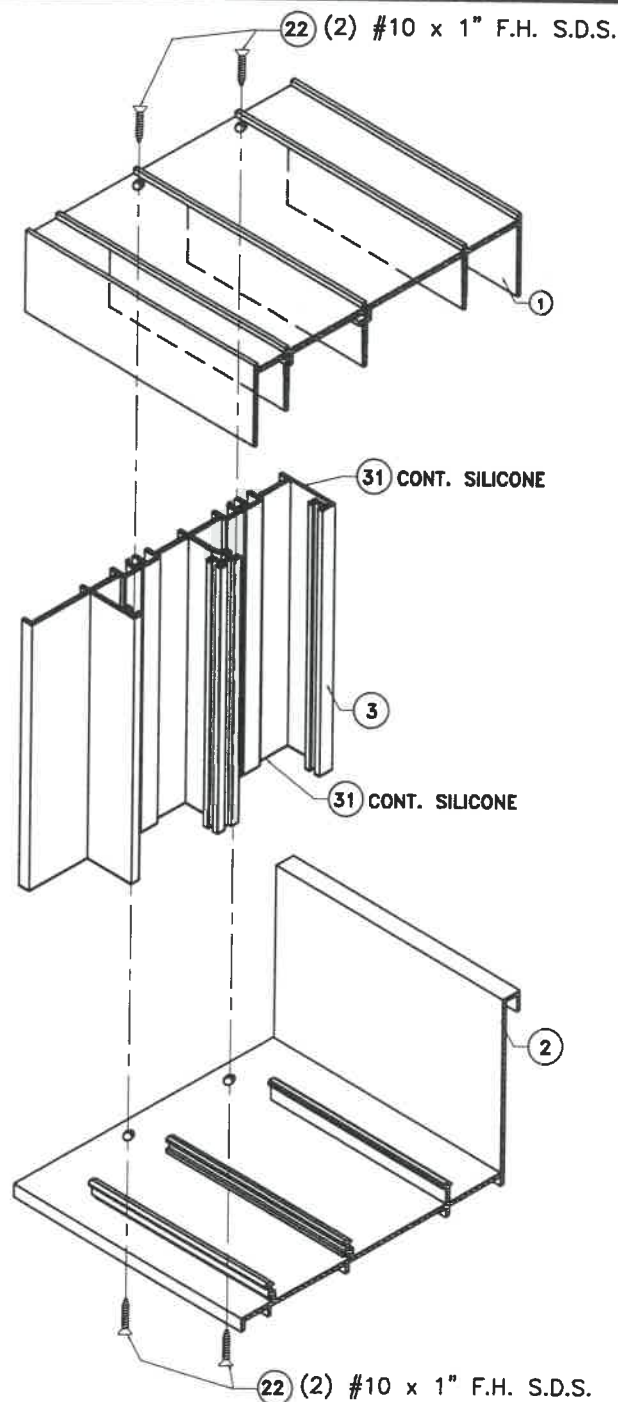
08/03/2020
DATE

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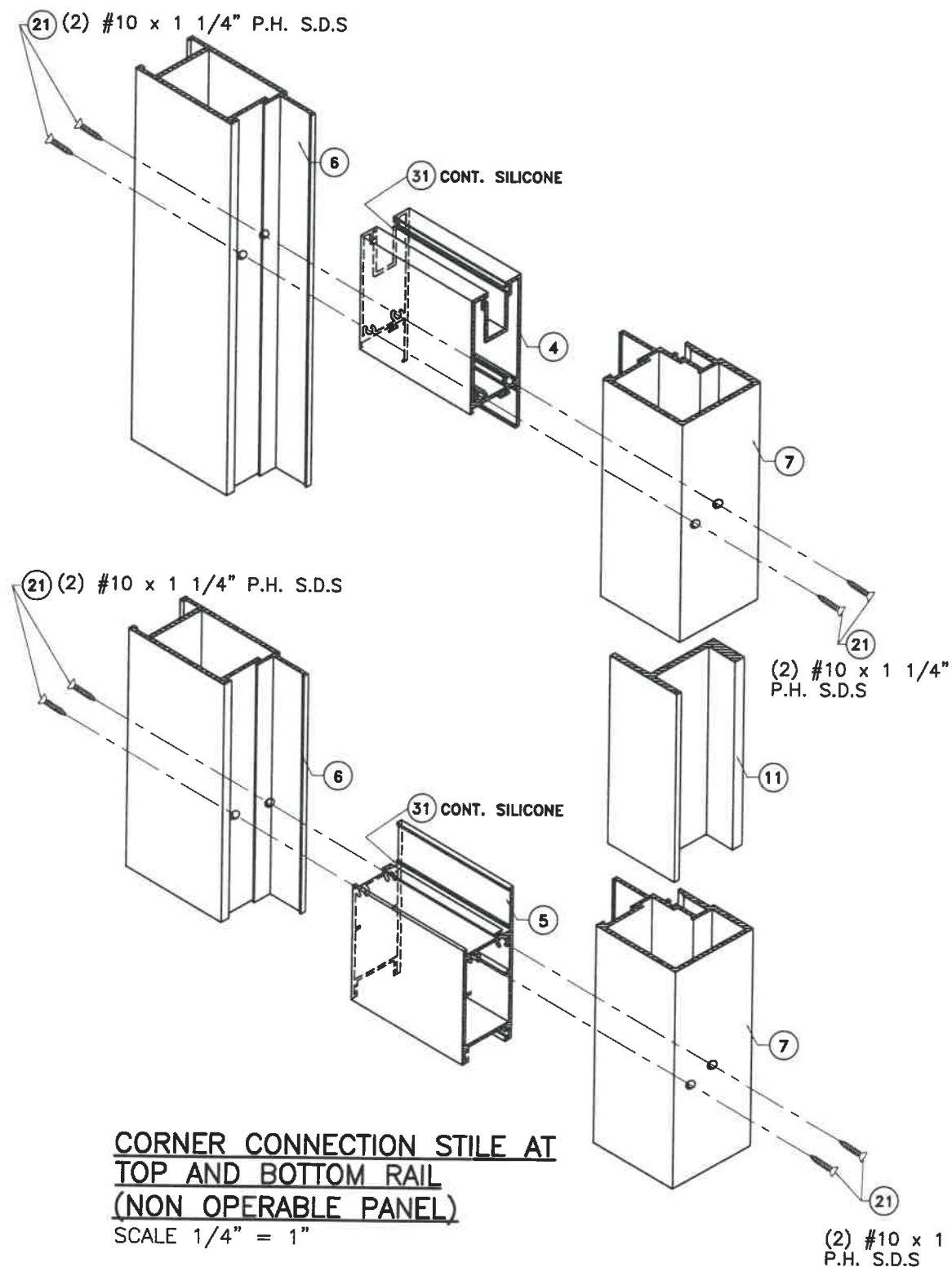
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2			4		

SHEET 16 OF 18

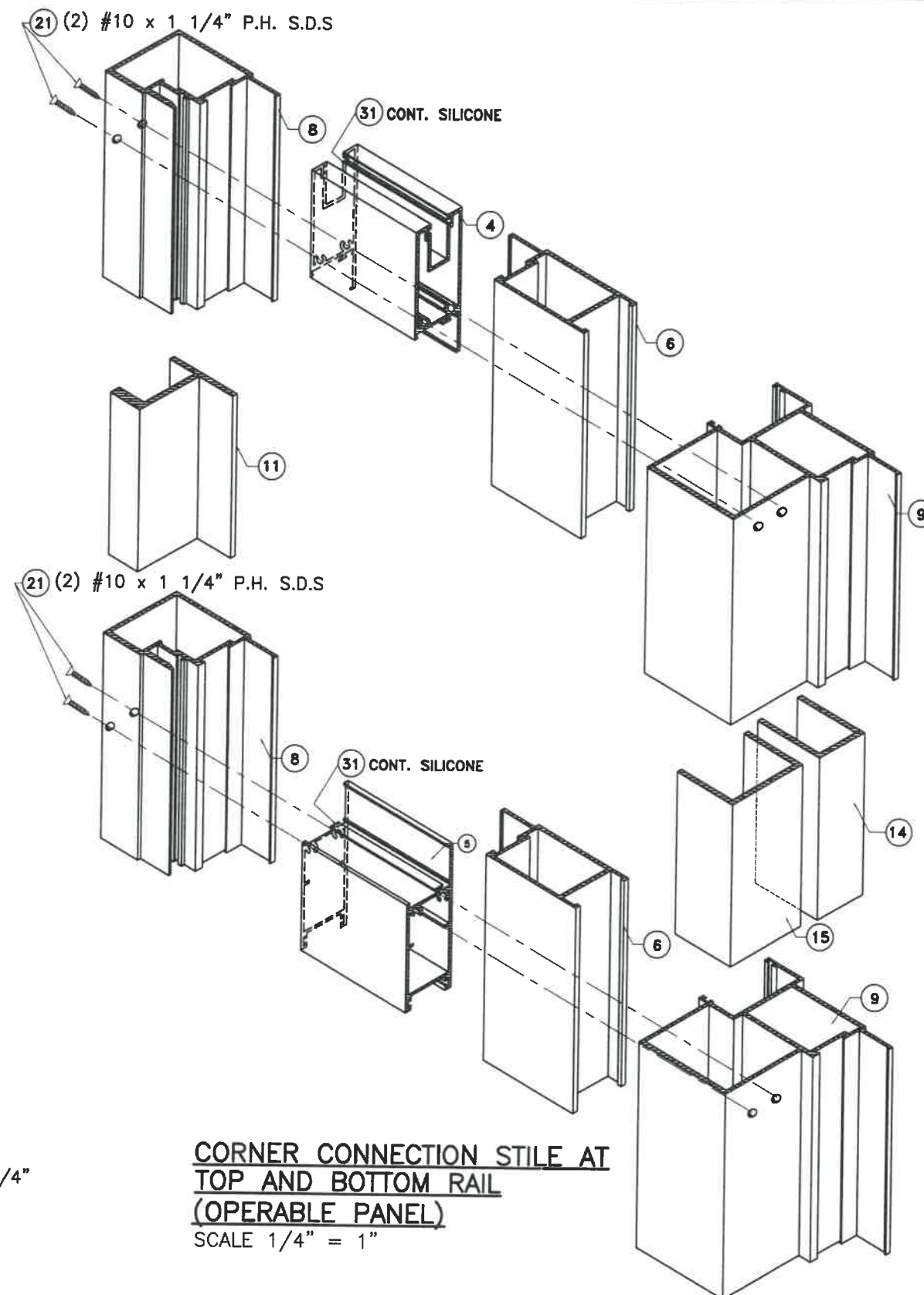
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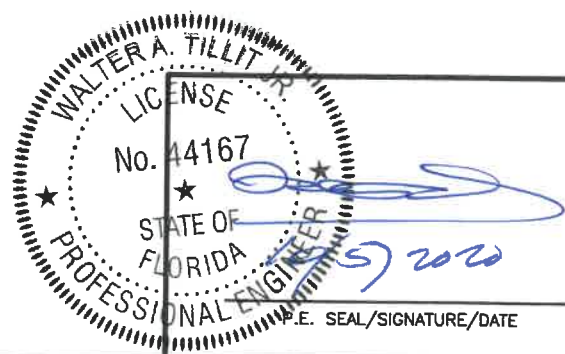
**CORNER CONNECTION AT
FRAME HEAD AND SILL**
SCALE 1/4" = 1"



**CORNER CONNECTION STILE AT
TOP AND BOTTOM RAIL
(NON OPERABLE PANEL)**
SCALE 1/4" = 1"



**CORNER CONNECTION STILE AT
TOP AND BOTTOM RAIL
(OPERABLE PANEL)**
SCALE 1/4" = 1"



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