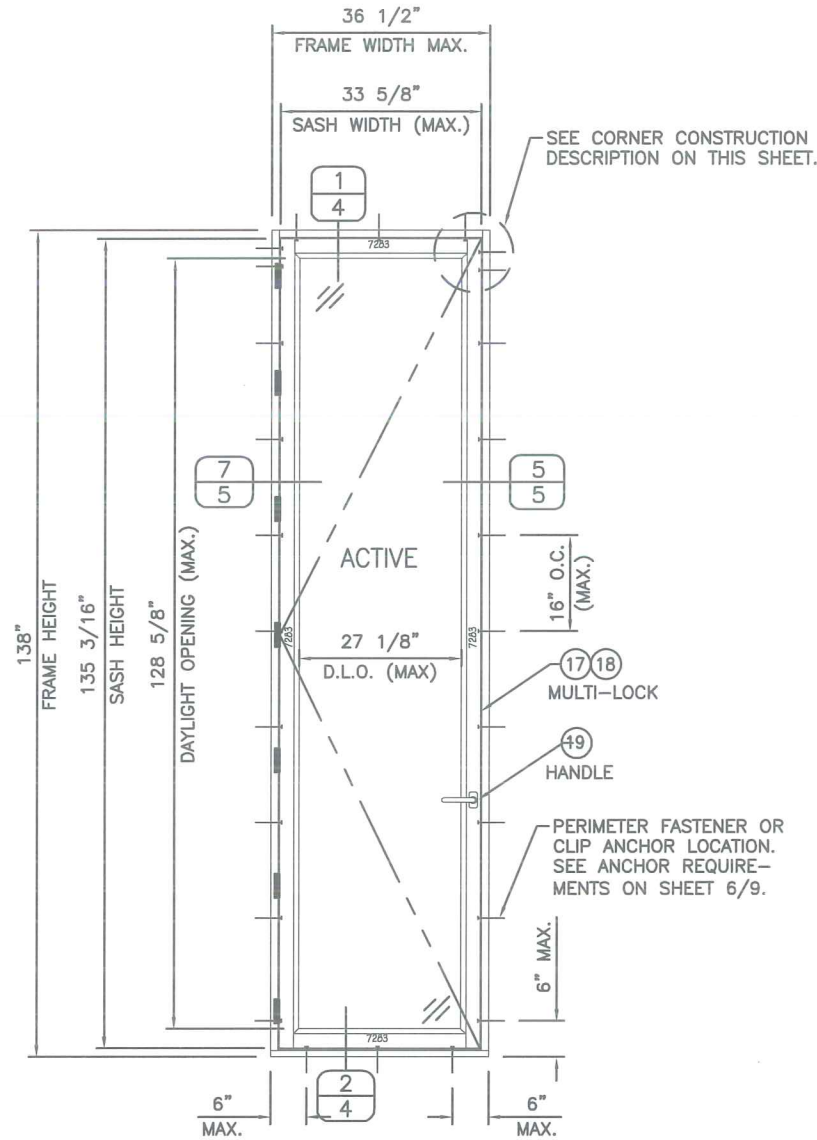
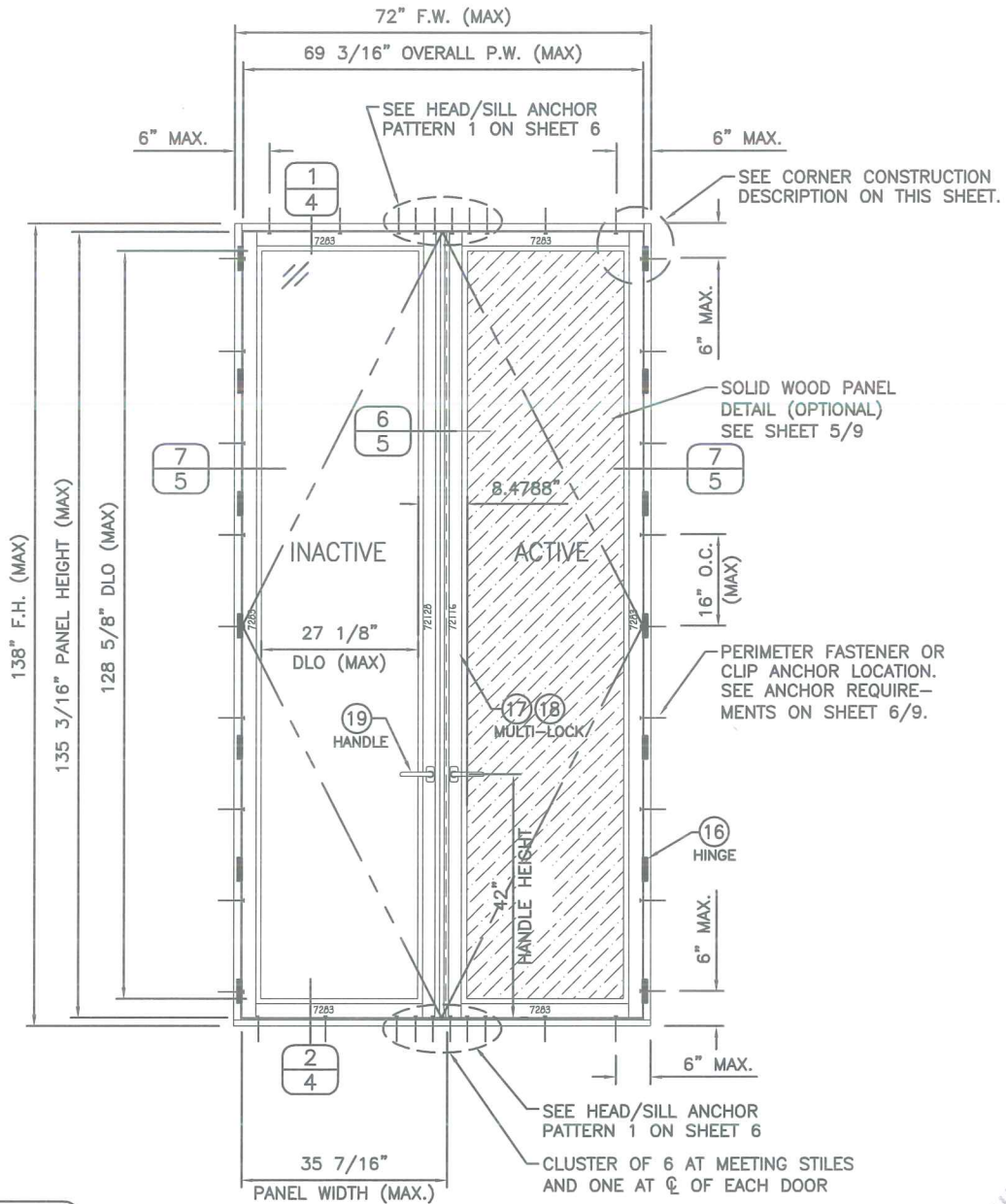


GENERAL NOTES:

1. ALLOWABLE DESIGN PRESSURE: +65/-70 PSF
2. ALL GLAZING AS SHOWN IN GLAZING DETAILS ON SHEET 8, AND ALL HARDWARE TYPES IN THE HARDWARE NOTES BELOW MAY BE USED IN ANY DOOR CONFIGURATION.
3. THESE DOORS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 6TH EDITION 2017 FLORIDA BUILDING CODE (FBC) INCLUDING THE HVHZ PROVISIONS.
4. THIS PRODUCT AS SHOWN HEREIN IS LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
5. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
6. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
7. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
9. A WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
10. THE TEAK DOORS LISTED IN THIS APPROVAL ARE CONSTRUCTED OF A NATURALLY DURABLE SPECIES (SPECIES S.G.=0.55, E=1.55x10⁶ PSI MIN.) OTHER NATURALLY DURABLE WOOD SPECIES OF EQUAL OR GREATER STRENGTH MAY BE SUBSTITUTED FOR ALL WOOD COMPONENTS.
11. MEMBERS NOTCHED AS NEEDED TO FIT HARDWARE.



OPTIONAL SINGLE PANEL
(EXTERIOR VIEW)



DOUBLE RECTANGULAR DOOR
(EXTERIOR VIEW)

DESIGN PRESSURE
+65/-70 PSF

HARDWARE NOTES:

HINGES - (#16) LA FLORIDA-INOX, LOCATED 4 1/2" (MAX) FROM CORNERS AND 21" O.C. (MAX).

LOCKS - (#17) SIEGENIA STRIKE PLATES AND (#18) AGB MULTI-POINT WITH LOCKING POINTS AT THE FOLLOWING LOCATIONS:

- HEAD - (1) LOCKING POINTS FOR PANEL WIDTHS < 20"
- (3) LOCKING POINTS FOR PANEL WIDTHS < 33",
- (4) LOCKING POINTS FOR PANEL WIDTHS UP TO 35 7/16".
- SILL - (1) LOCKING POINTS FOR PANEL WIDTHS < 20"
- (3) LOCKING POINTS FOR PANEL WIDTHS < 33",
- (4) LOCKING POINTS FOR PANEL WIDTHS UP TO 35 7/16".
- JAMBS - (5) LOCKING POINTS FOR PANEL HEIGHTS < 96"
- (6) LOCKING POINTS FOR PANEL HEIGHTS < 108",
- (7) LOCKING POINTS FOR PANEL HEIGHTS < 126",
- (8) LOCKING POINTS FOR PANEL HEIGHTS UP TO 138".

CORNER CONSTRUCTION

JAMB & SILL CORNERS: VERTICAL JAMB ENDS ARE COPED AND BUTTED TO HORIZONTAL JAMBS WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (3) 1/2" DIA. x 3 5/16" LONG TEAK WOOD DOWELS.

PANEL CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (4) 1/2" DIA. x 3 7/16" AND (3) 5/8" DIA. x 3 1/4" TEAK WOOD DOWELS.

BOTTOM RAIL TO STILE CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (7) 1/2" DIA. x 3 7/16" AND (5) 5/8" DIA. x 3 1/4" TEAK WOOD DOWELS.

FIXED PANEL SASH CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (2) 1/2" DIA. x 3 7/16" AND (1) 5/8" DIA. x 3 1/4" TEAK WOOD DOWELS.

DATE: 12/15/2017

DATE

REVISION DESCRIPTION

NO.

WOOD EUROPEAN SERIES GLAZED OUTSWING FRENCH DOORS (TEAK)

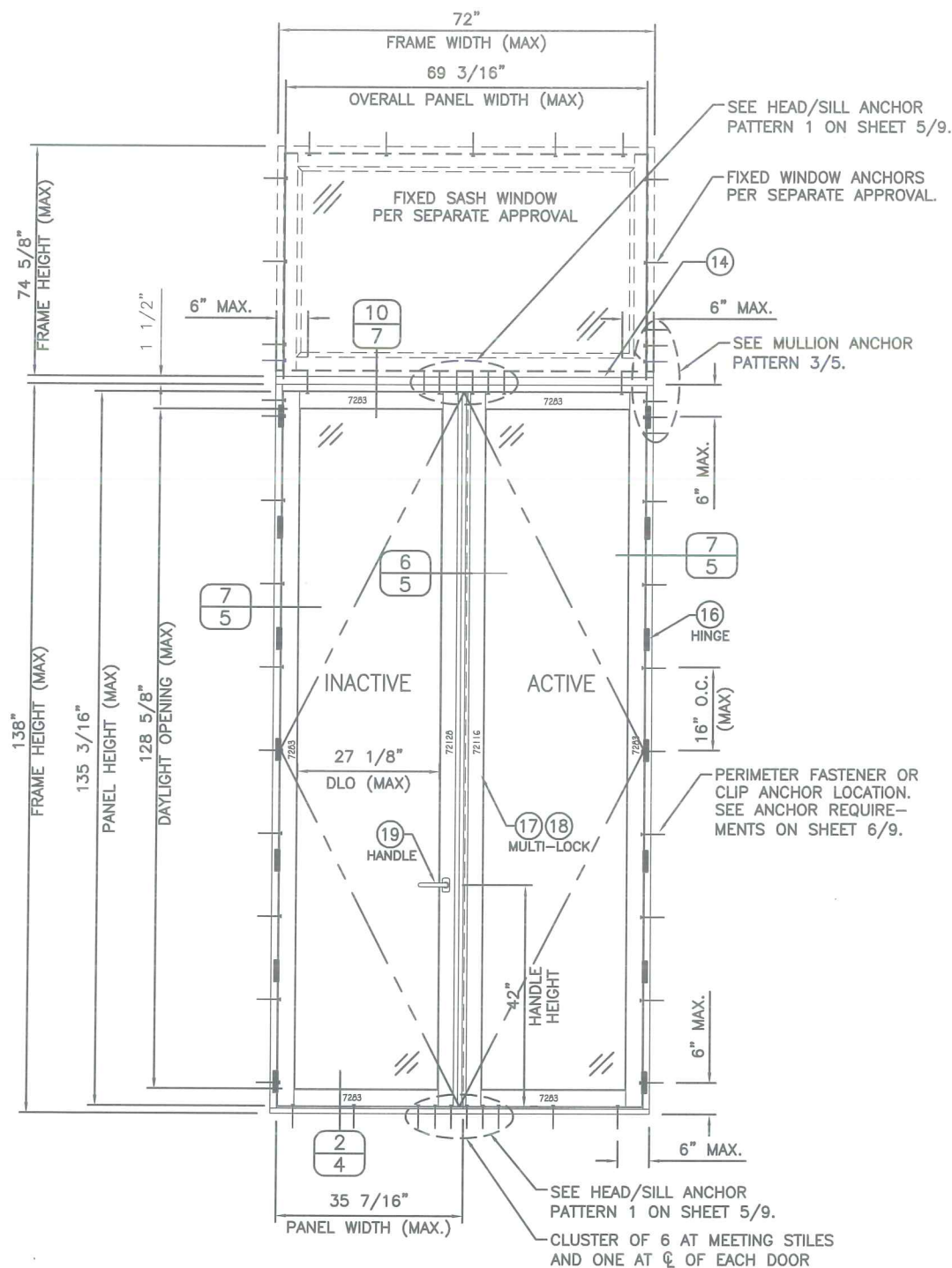


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FL PE# 62354

WOLTERS ENGINEERING
(CO.# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

DRAWING NO.
EURO DOOR - TEAK

SHEET NO.
1 OF 9



**DOUBLE RECTANGULAR DOOR
(EXTERIOR VIEW)**

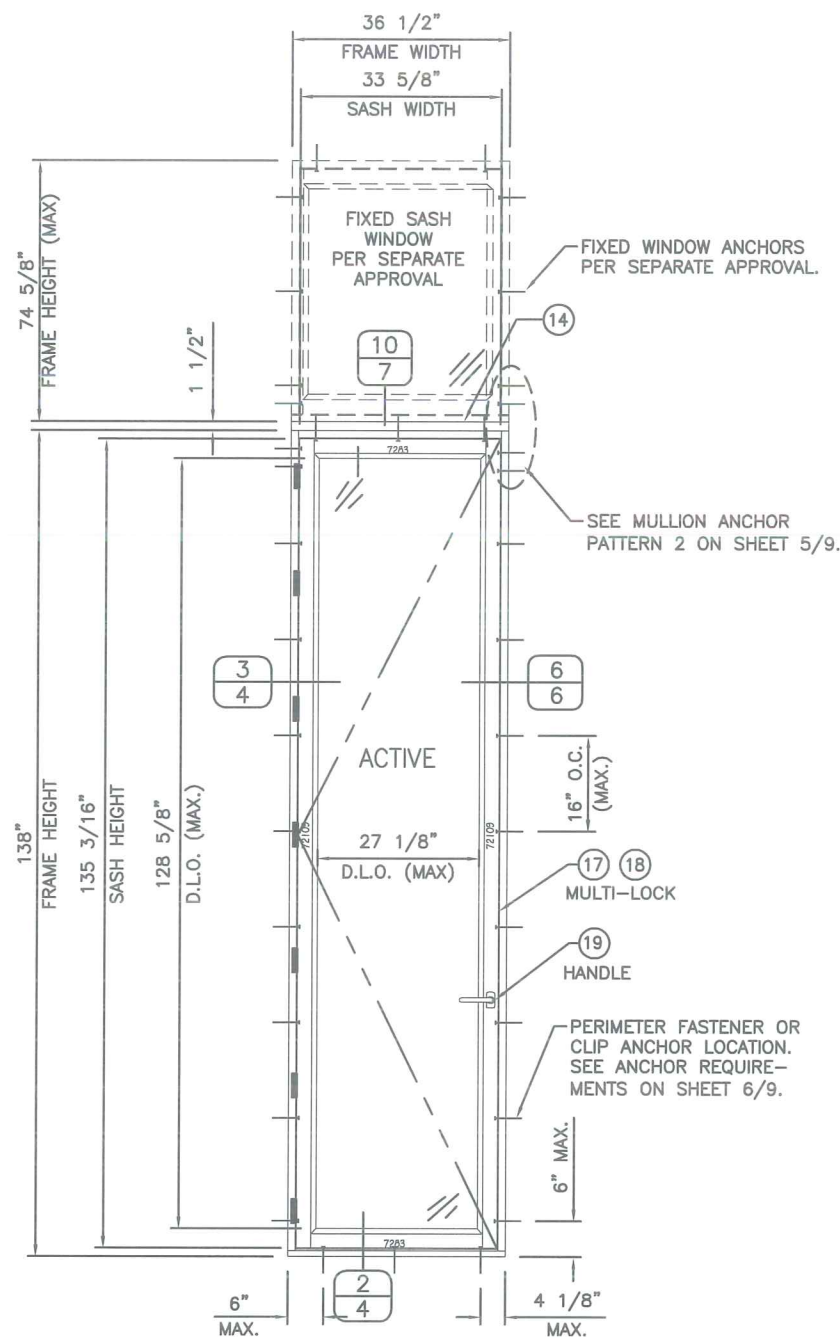
CORNER CONSTRUCTION

JAMB & SILL CORNERS: VERTICAL JAMB ENDS ARE COPED AND BUTTED TO HORIZONTAL JAMBS WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (3) 1/2" DIA. x 3 5/16" LONG TEAK WOOD DOWELS.

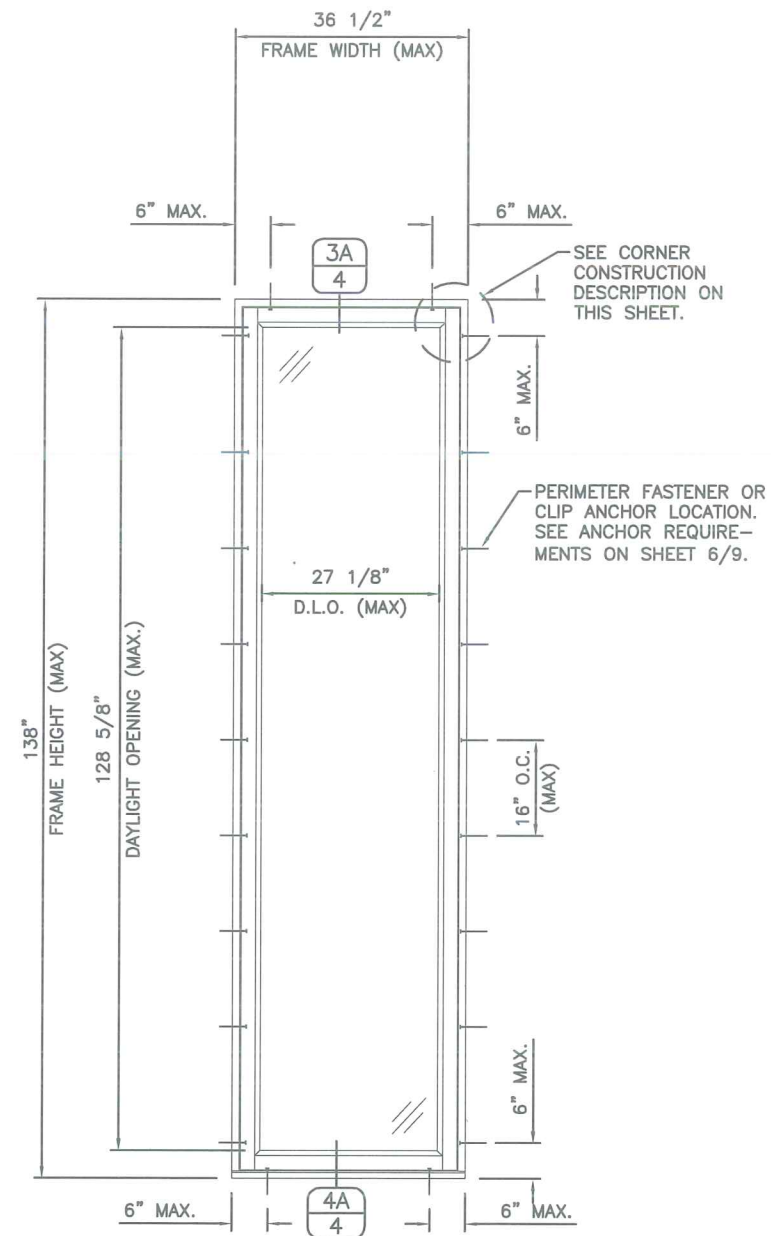
PANEL CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (4) 1/2" DIA. x 3 7/16" AND (3) 5/8" DIA. x 3 1/4" TEAK WOOD DOWELS.

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**SINGLE DOOR
(EXTERIOR VIEW)**



**OPTIONAL SINGLE FIXED PANEL
(EXTERIOR VIEW)**

LIMITATIONS:

1. LOWER DESIGN PRESSURE (DP) FROM TRANSOM OR DOORS SHALL CONTROL FOR ENTIRE ASSEMBLY.
2. (4) OR (6) ANCHORS TO BE PROVIDED AT HORIZONTAL MULLION END. (SEE MULLION PATTERN 2 ON SHEET 6.)

DATE: 12/15/2017

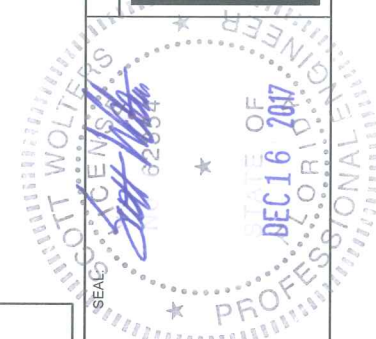
DATE	REVISION DESCRIPTION	NO.

WOOD EUROPEAN SERIES GLAZED OUTSWING FRENCH DOORS (TEAK)

LUXBAUM, LLC
WINDOWS + DOORS

1501 NORTHPOINT PARKWAY, SUITE 101
WEST PALM BEACH, FL 33407

Ph: (561) 684-1500
www.luxbaum.com

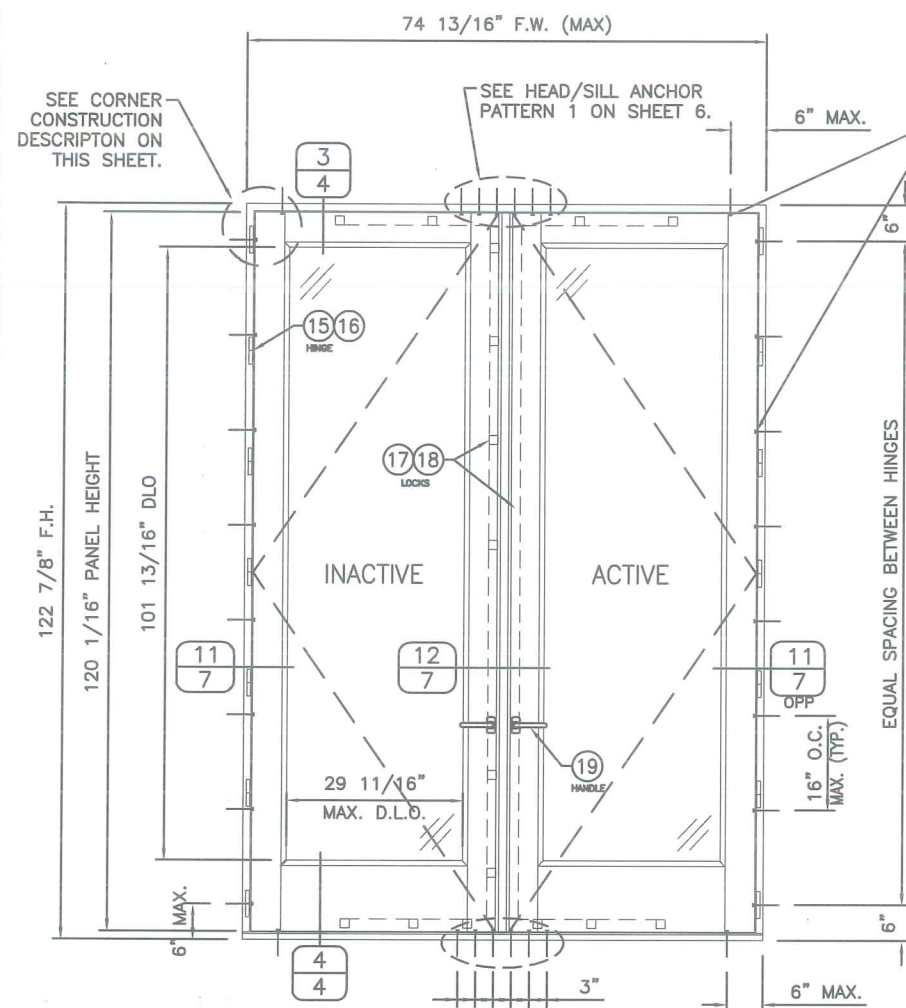


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FL PE# 82264

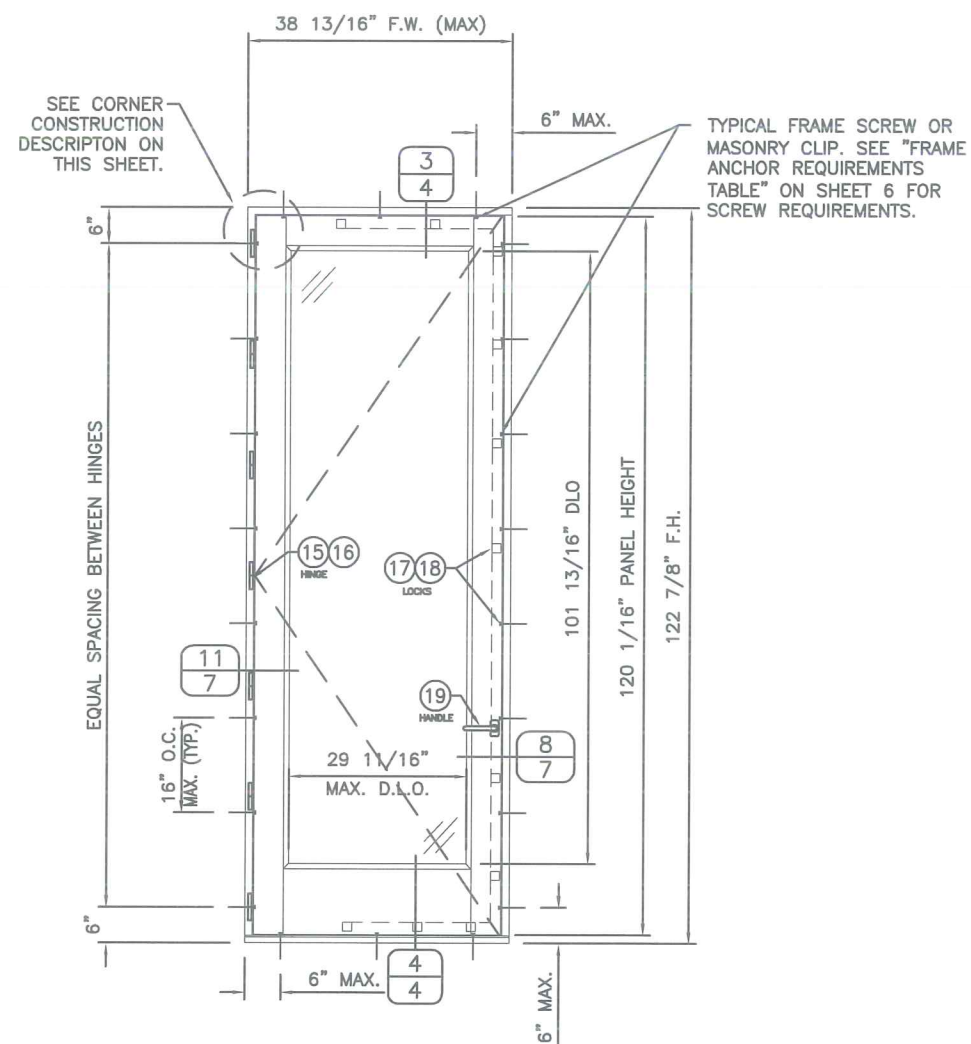
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(COA# 27194)
18211 97TH ROAD N
WEST PALM BEACH, FL 33412

DRAWING NO.
EURO DOOR - TEAK

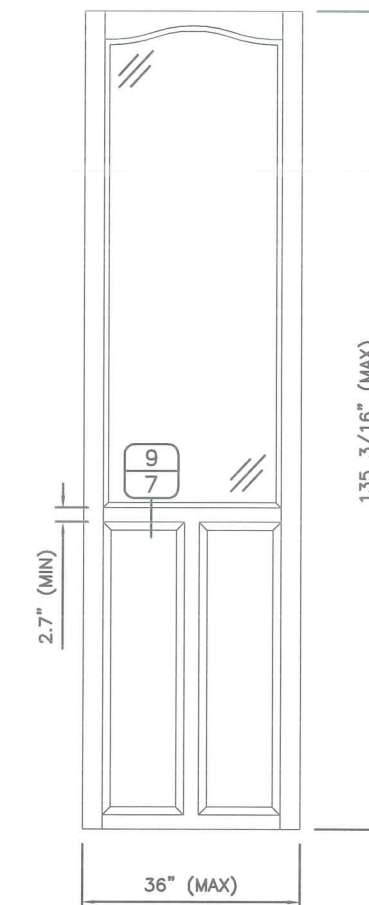
SHEET NO.
2 of 9.



**EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR
(RECTANGULAR)**



**EXTERIOR ELEVATION
SINGLE OUTSWING DOOR
(RECTANGULAR)**



**PARTIAL RAISED PANEL WITH
STANDARD MID-RAILS
(EXTERIOR VIEW)**

CORNER CONSTRUCTION

JAMB & SILL CORNERS: VERTICAL JAMB ENDS ARE COPED AND BUTTED TO HORIZONTAL JAMBS WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (3) 1/2\" DIA. x 3 5/16\" LONG TEAK WOOD DOWELS.

PANEL CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (4) 1/2\" DIA. x 3 7/16\" AND (3) 5/8\" DIA. x 3 1/4\" TEAK WOOD DOWELS.

BOTTOM RAIL TO STILE CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (7) 1/2\" DIA. x 3 7/16\" AND (5) 5/8\" DIA. x 3 1/4\" TEAK WOOD DOWELS.

FIXED PANEL SASH CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (2) 1/2\" DIA. x 3 7/16\" AND (1) 5/8\" DIA. x 3 1/4\" TEAK WOOD DOWELS.

1. TOP & MID RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
2. MULTIPLE MID RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
3. STANDARD PARTIAL PANEL CONDITION IS SHOWN ABOVE. OTHER PARTIAL PANEL CONFIGURATIONS ARE ALSO PART OF THIS APPROVAL, PROVIDING THEY ARE SIMILAR IN CONSTRUCTION TO THAT SHOWN ABOVE.
4. PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

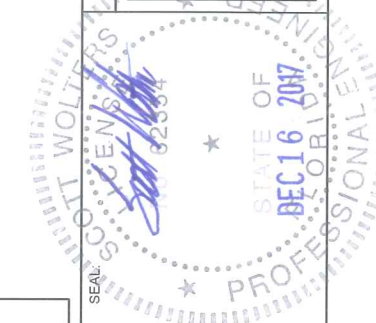
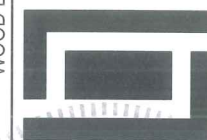
DATE: 12/15/2017

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WOOD EUROPEAN SERIES GLAZED OUTSWING FRENCH DOORS (TEAK)

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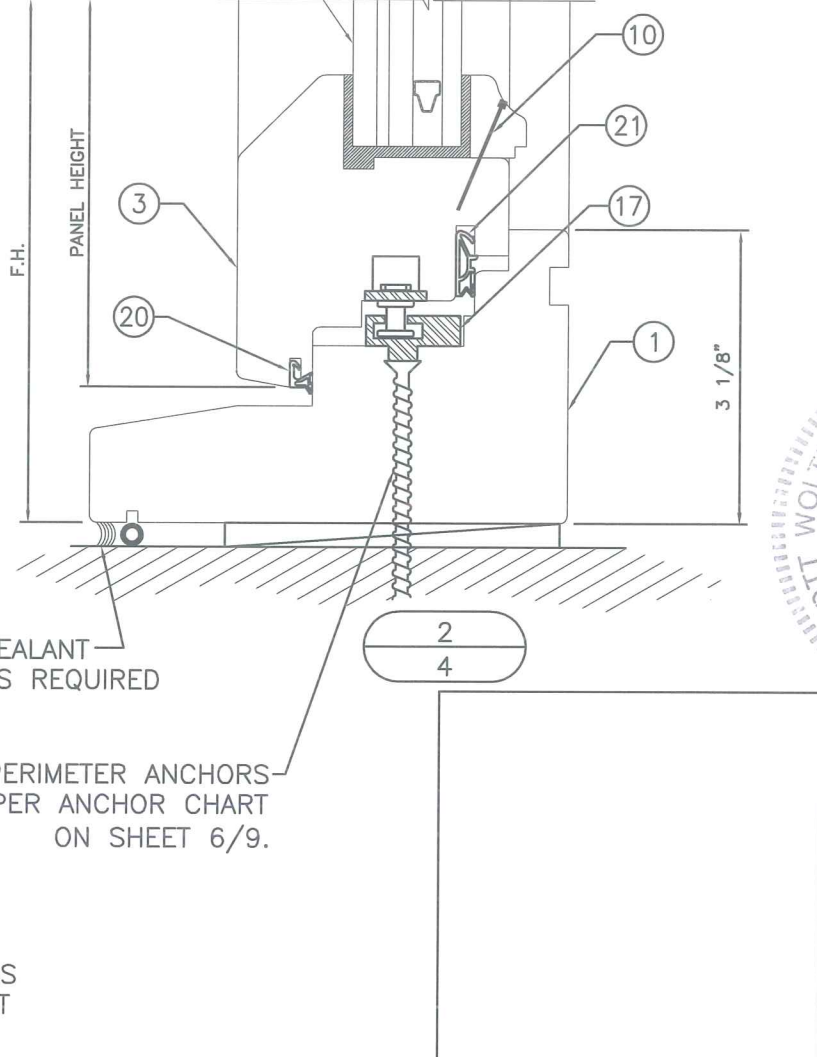
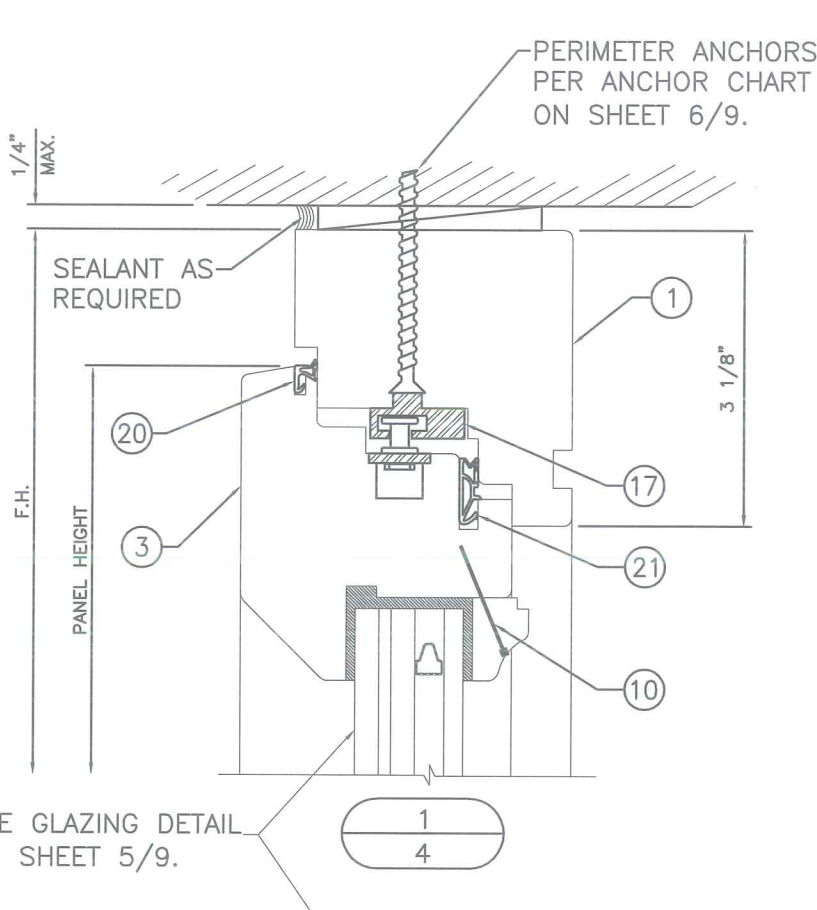
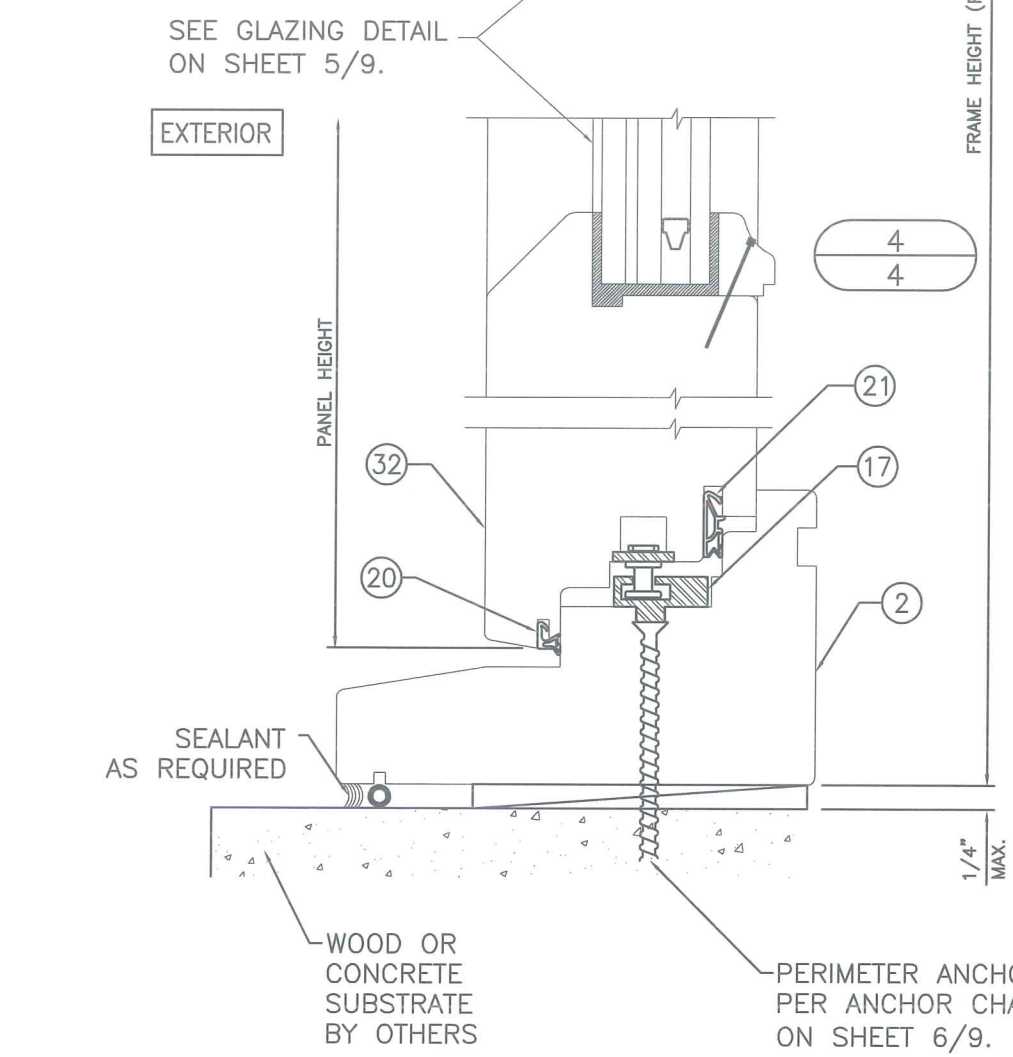
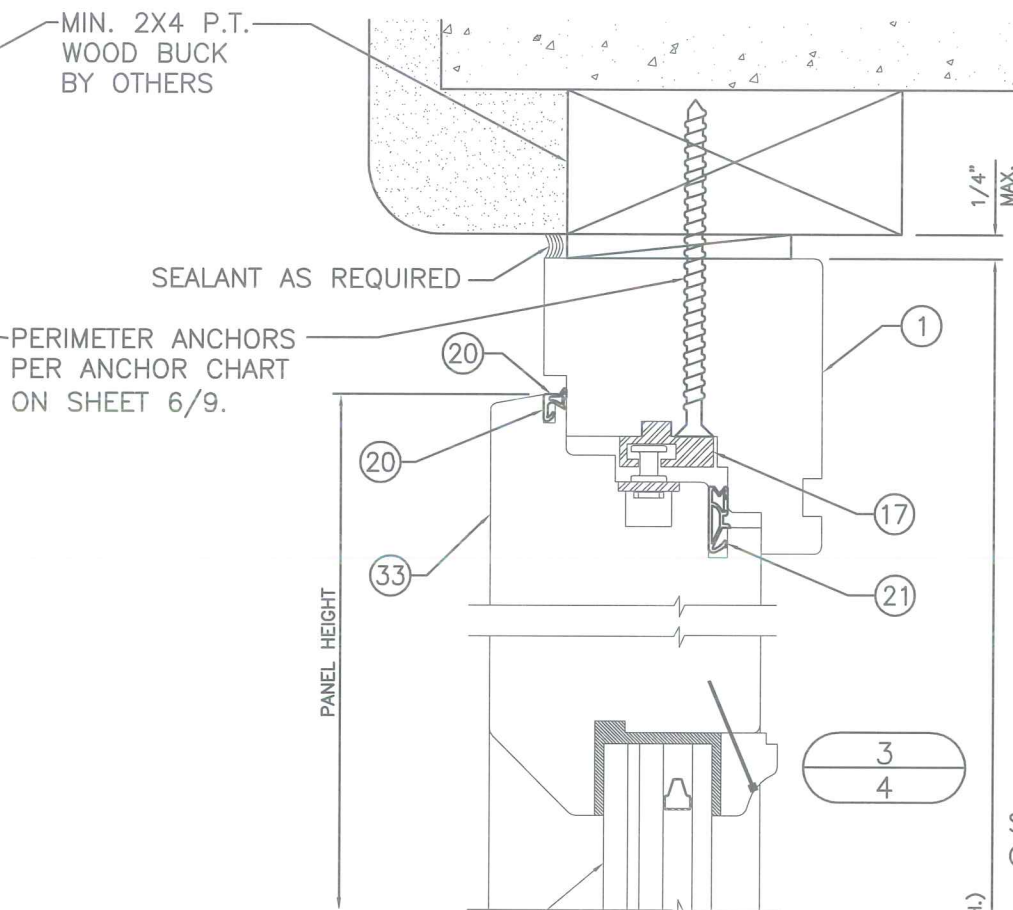
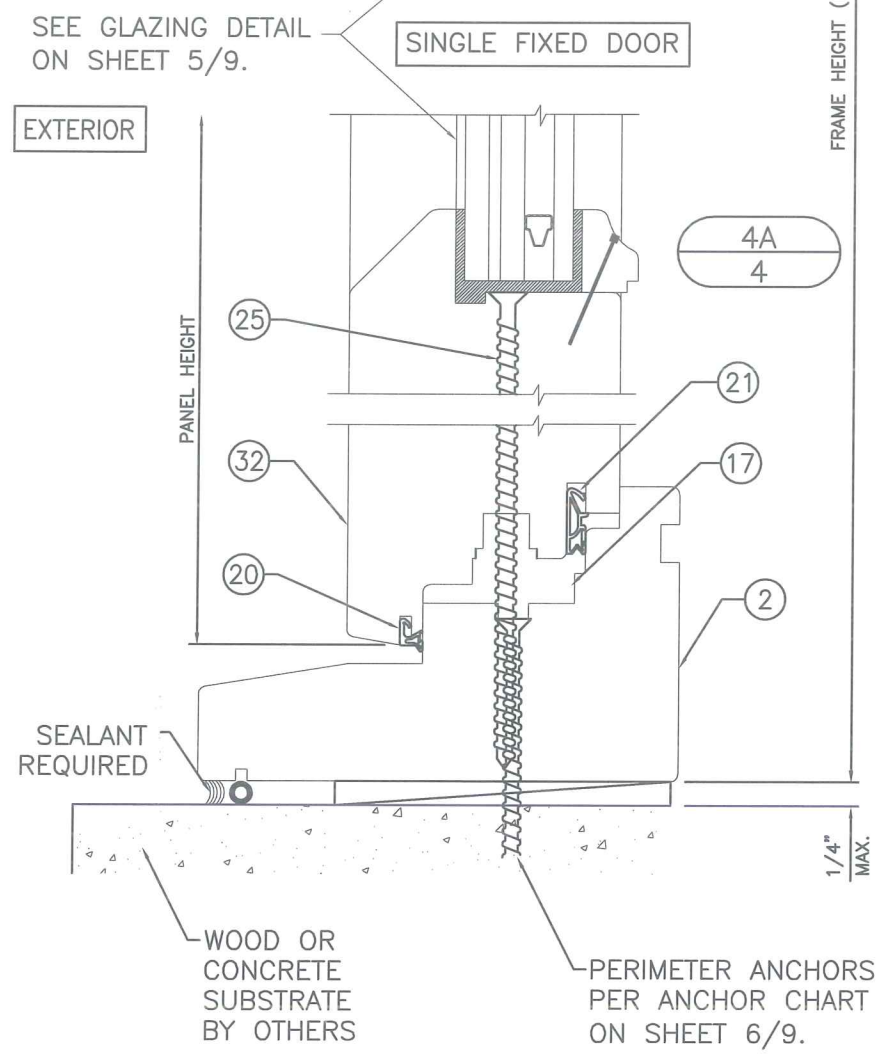
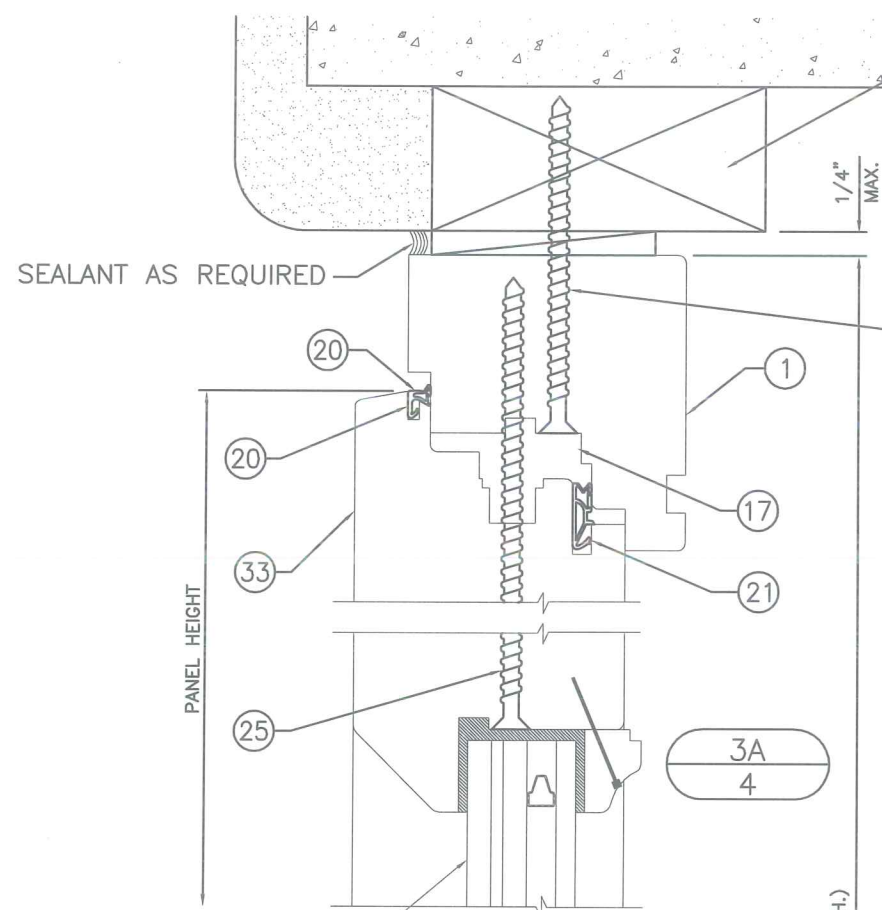
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WEST PALM BEACH, FL 33407
Ph: (561) 684-1500
www.luxbaum.com



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FL PE# 62354
WALTERS ENGINEERING
(COA# 27194)
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DRAWING NO.
EURO DOOR - TEAK

SHEET NO.
3 of 9



DATE: 12/15/2017	
REVISION DESCRIPTION	DATE
NO.	

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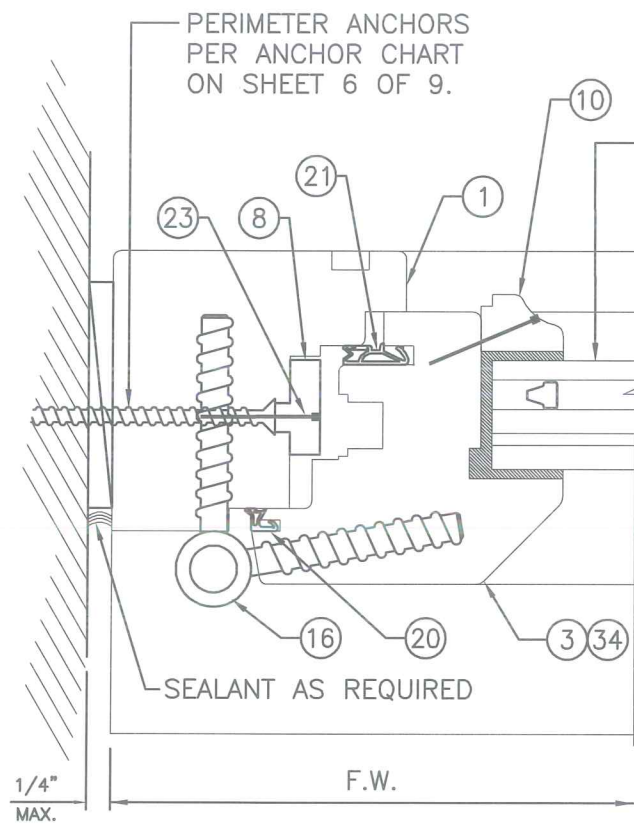
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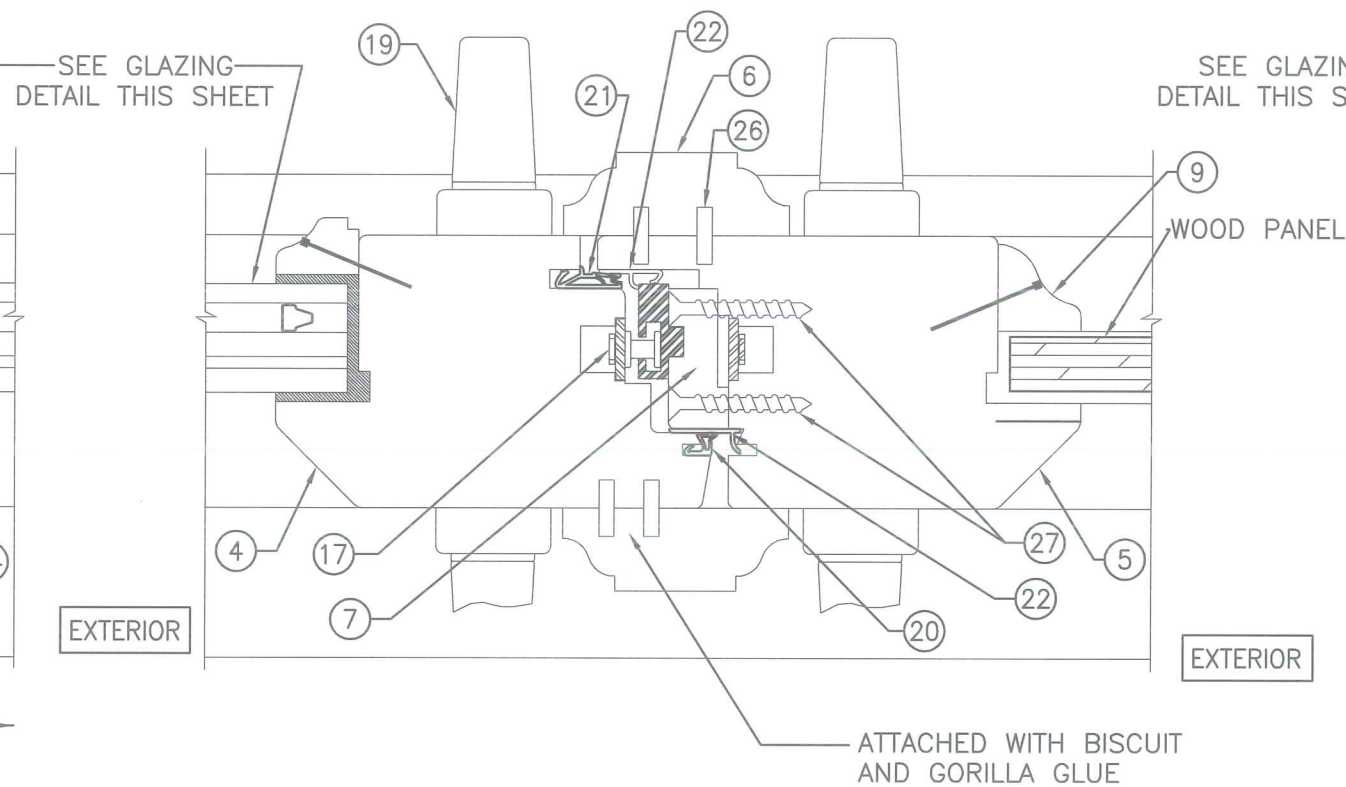
SCOTT WOLTERS
 FL PE# 62354
 DEC 16 2017
 PROFESSIONAL SEAL

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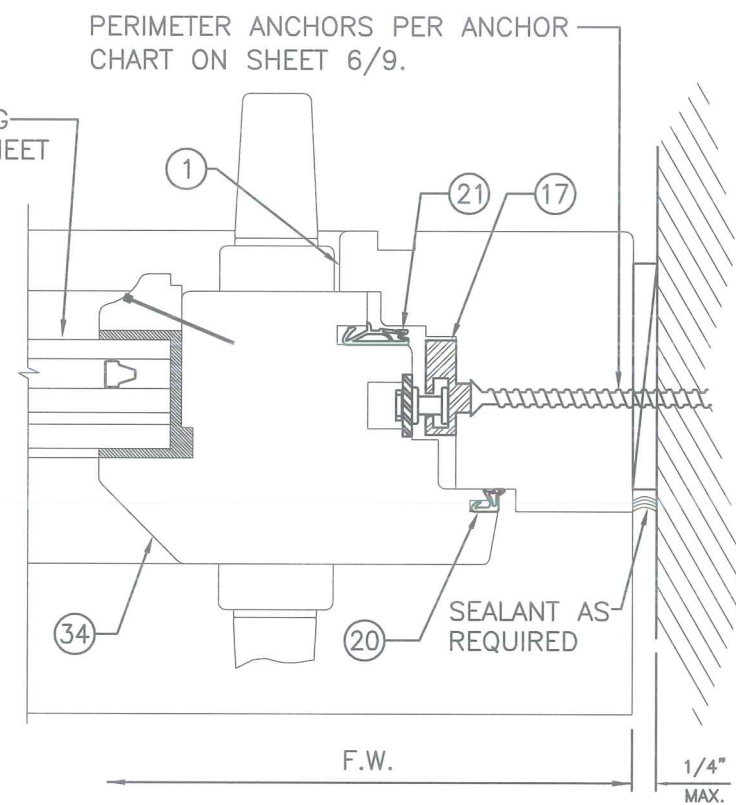
DRAWING NO. EURO DOOR - TEAK
SHEET NO. 4 of 9



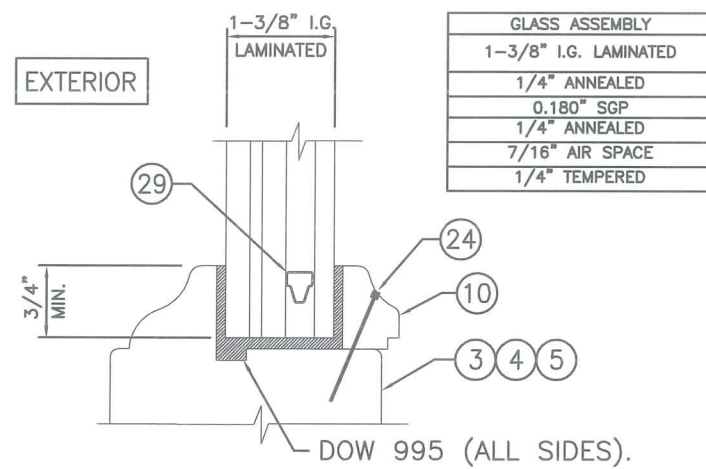
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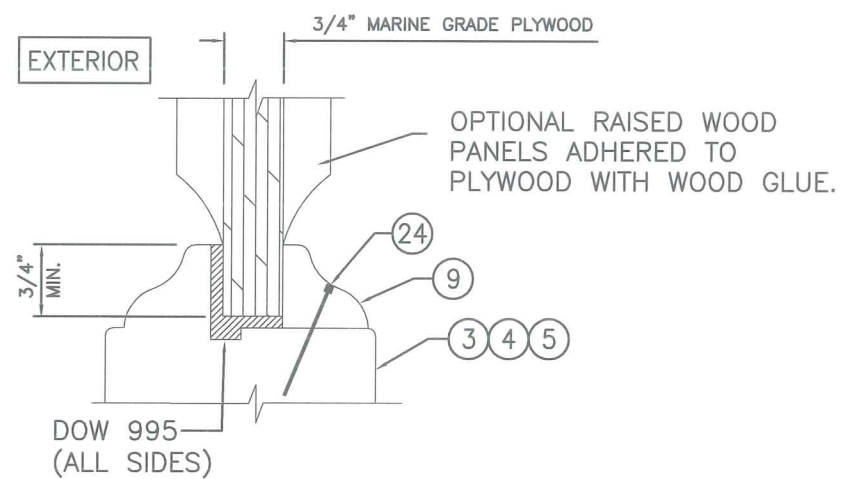
6
5



5
5



1 3/8" INSULATED LAMINATED GLASS



PARTIAL WOOD PANEL

GLAZING DETAILS

DATE: 12/15/2017

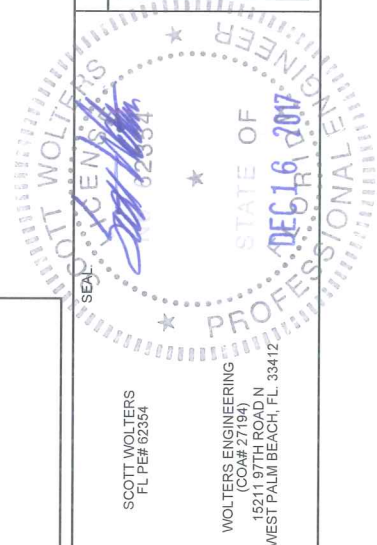
DATE	REVISION DESCRIPTION	NO.

WOOD EUROPEAN SERIES GLAZED OUTSWING FRENCH DOORS (TEAK)

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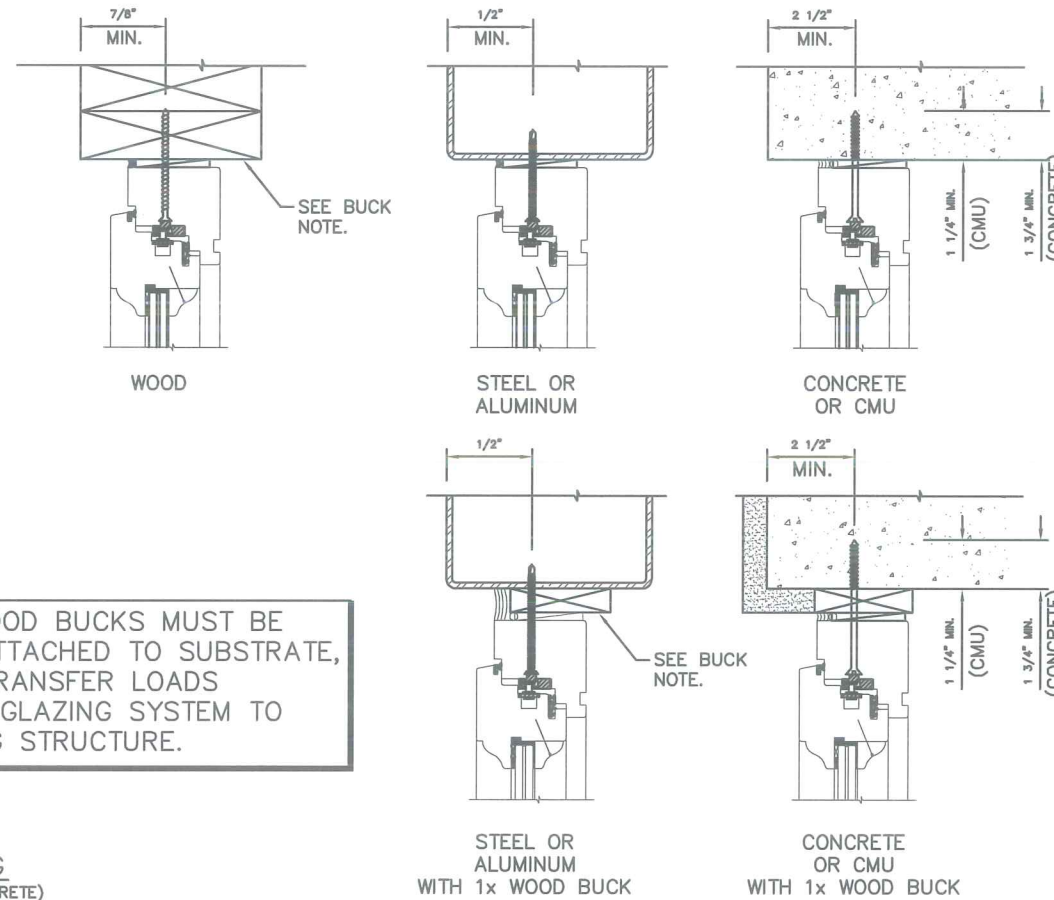


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EURO DOOR - TEAK

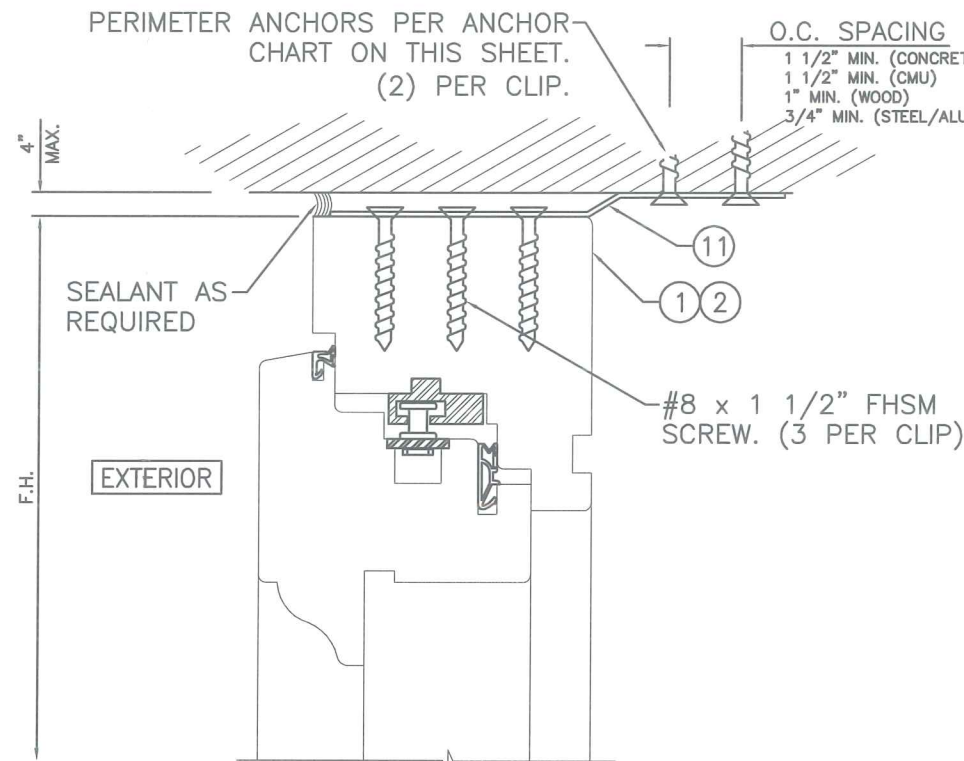
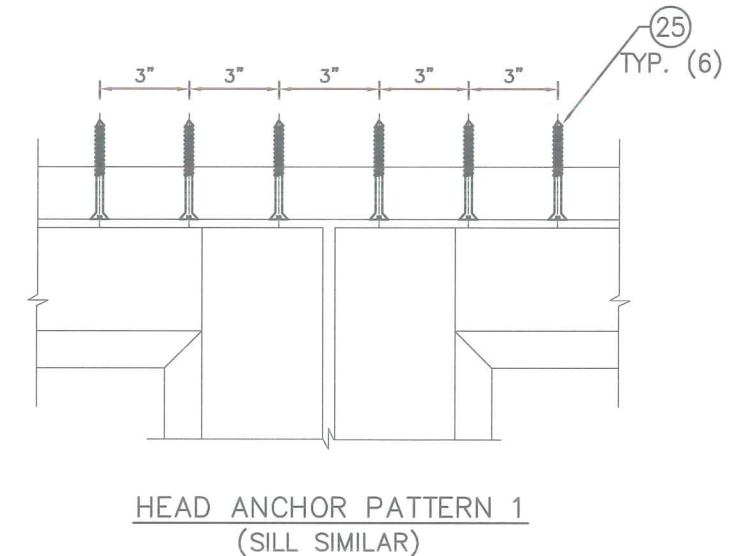
SHEET NO.
5 OF 9

TYPICAL ANCHORS

- WOOD
(2x4 MIN. TYPICALLY)
(2x6 MIN. WITH CLIP) — #12 FH WOOD OR SHEET METAL SCREW
WITH 1 3/8" MIN. EMBEDMENT AND
7/8" EDGE DISTANCE.
- CONCRETE
(3000 PSI MIN) — 1/4" DIA. FH ITW TAPCON OR ELCO ULTRACON
WITH 1 3/4" MIN. EMBEDMENT AND
1 3/4" MIN. EDGE DISTANCE.
- CMU
(ASTM C90) — 1/4" DIA. FH ITW TAPCON OR ELCO ULTRACON
WITH 1 1/4" MIN. EMBEDMENT AND
2 1/2" MIN. EDGE DISTANCE.
- STEEL
(16 Ga. 33 KSI MIN) — #12 FH F-TYPE (GR. 5) THREAD FORMING SCREW
WITH FULL EMBEDMENT AND
1/2" MIN. EDGE DISTANCE.
- ALUMINUM
(1/8" MIN, 6063-T5) — #12 FH F-TYPE (GR.5) THREAD FORMING SCREW
WITH FULL EMBEDMENT AND
1/2" MIN. EDGE DISTANCE.

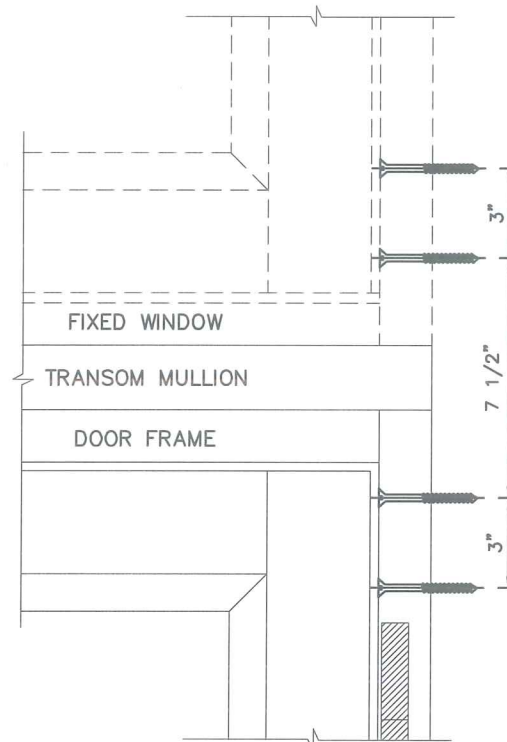


1x OR 2x WOOD BUCKS MUST BE PROPERLY ATTACHED TO SUBSTRATE, AND MUST TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

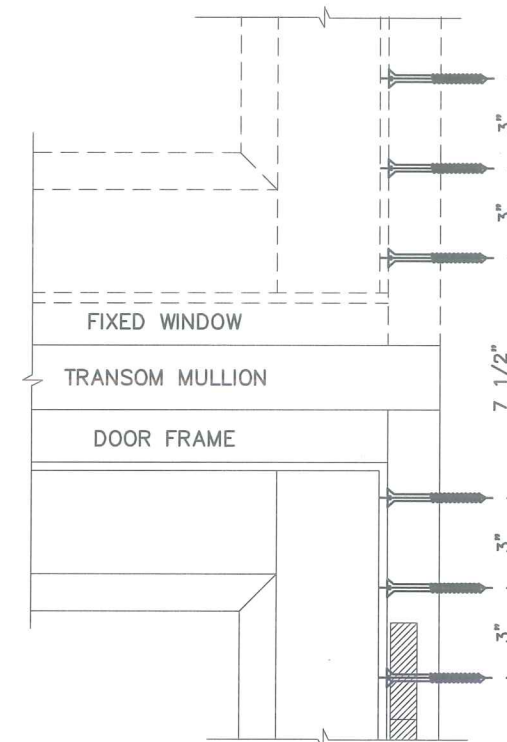


OPTIONAL CLIP ANCHOR DETAIL
(SILL AND JAMBS SIMILAR)

WHEN CLIP ANCHORS ARE USED AT TRANSOM MULLIONS, (6) BRACKETS ARE REQUIRED AT EACH END FOR ALL FASTENER TYPES.



HORIZONTAL MULLION
ANCHOR PATTERN 2
(CONCRETE AND METAL)



HORIZONTAL MULLION
ANCHOR PATTERN 3
(CMU AND WOOD)

DATE: 12/15/2017

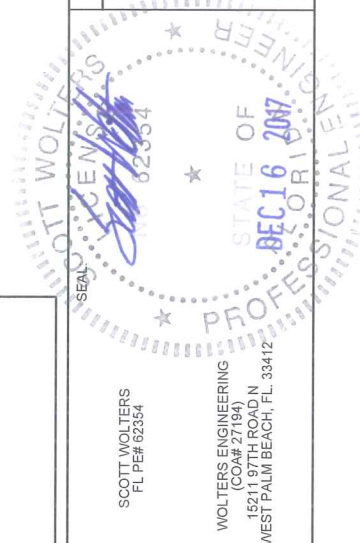
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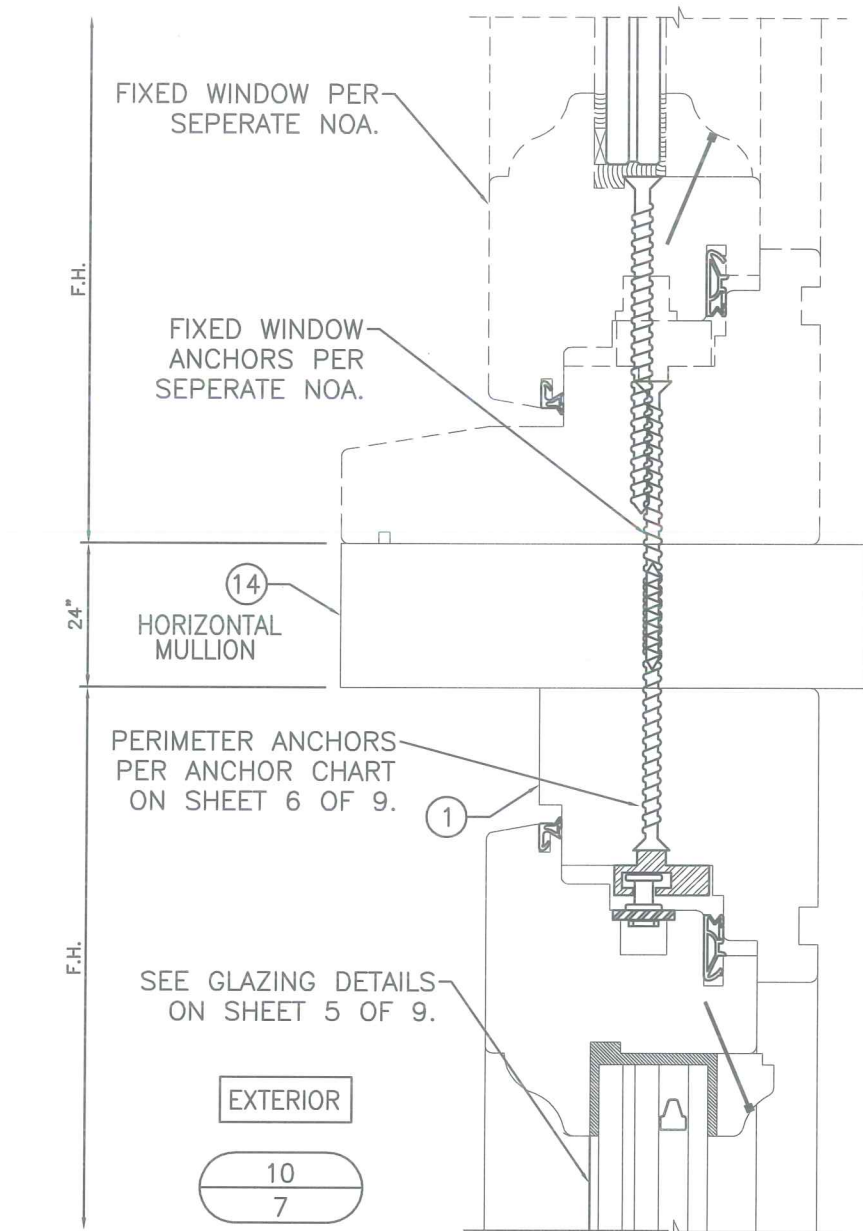


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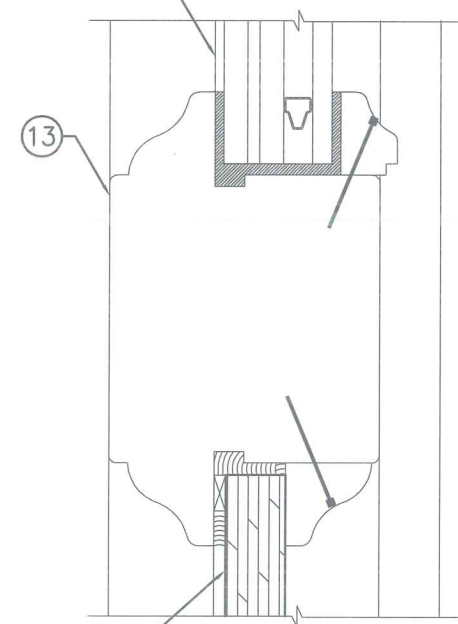
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15211 97TH ROAD N
WEST PALM BEACH, FL 33412

DRAWING NO.
EURO DOOR - TEAK

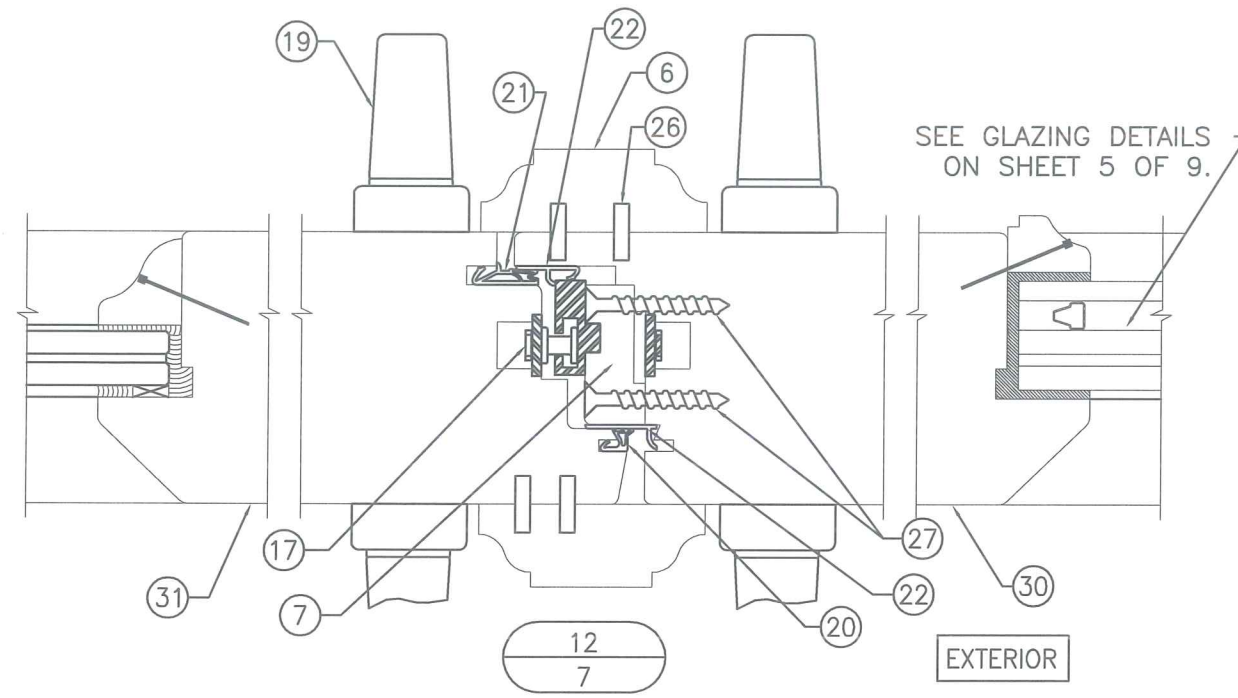
SHEET NO.
6 OF 9



SEE GLAZING DETAILS
ON SHEET 5 OF 9.

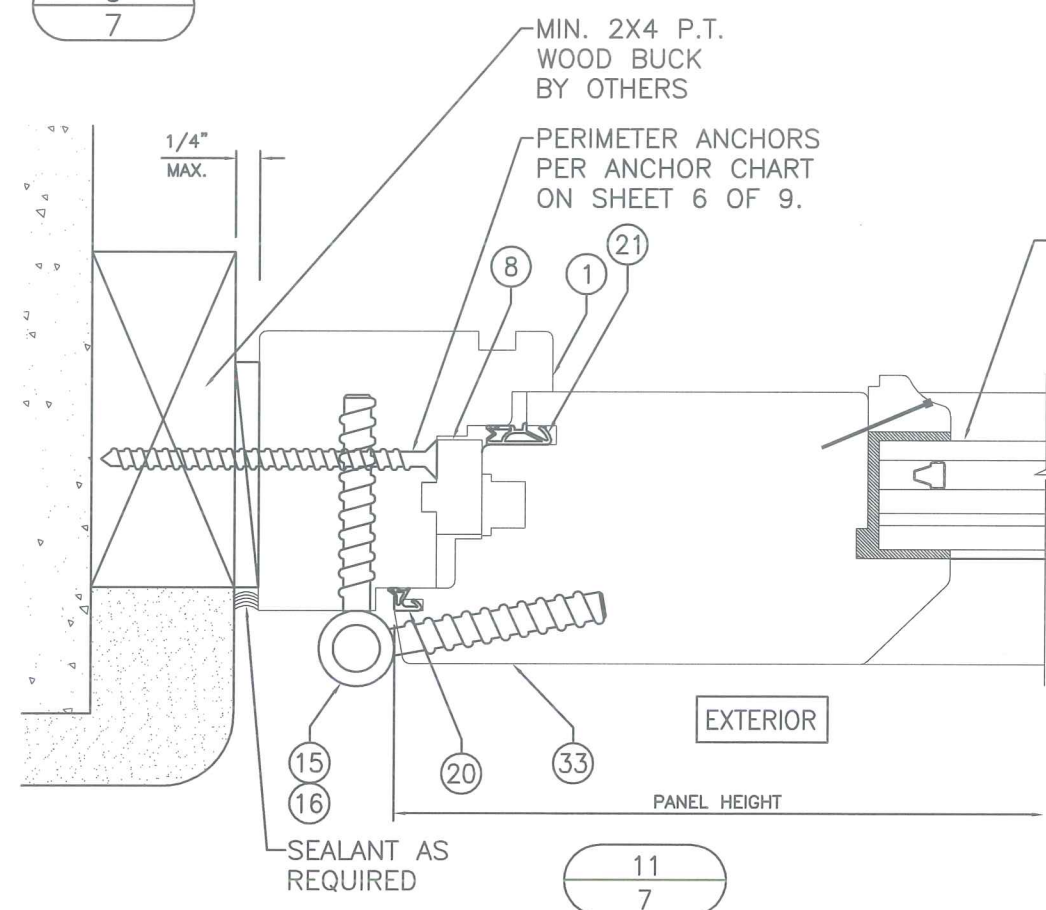
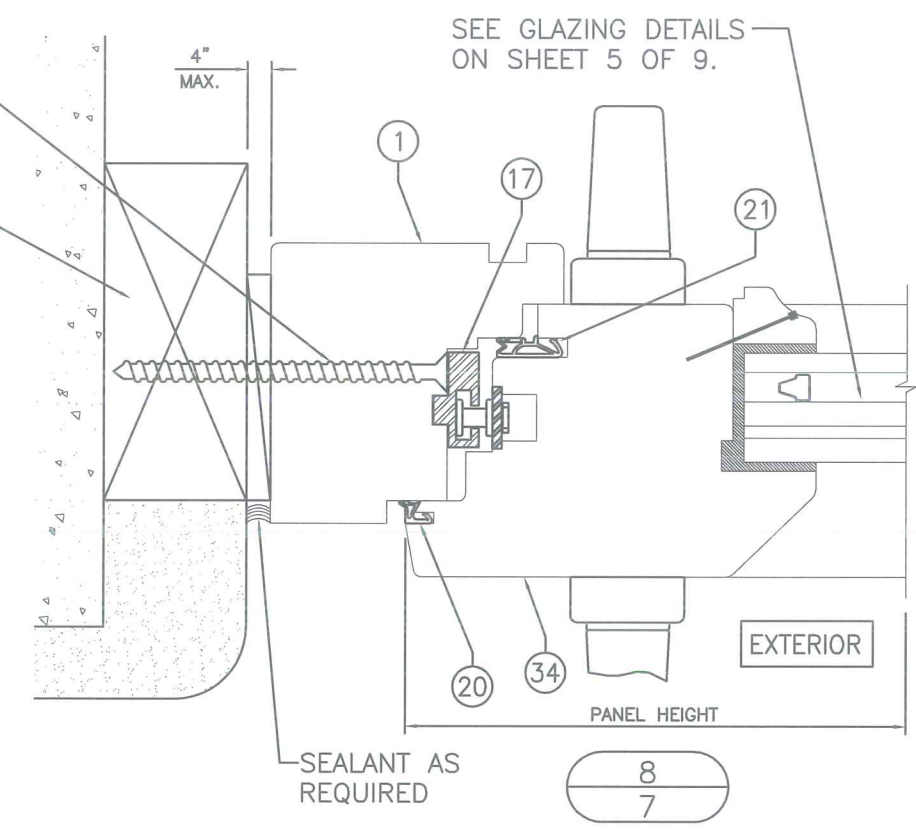


SEE PARTIAL WOOD
PANEL GLAZING DETAILS
ON SHEET 5 OF 9.



PERIMETER ANCHORS
PER ANCHOR CHART
ON SHEET 6 OF 9.

MIN. 2X4 P.T. WOOD
BUCK BY OTHERS



DATE: 12/15/2017

DATE	REVISION DESCRIPTION	NO.

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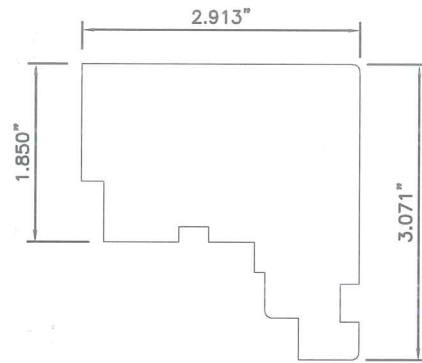


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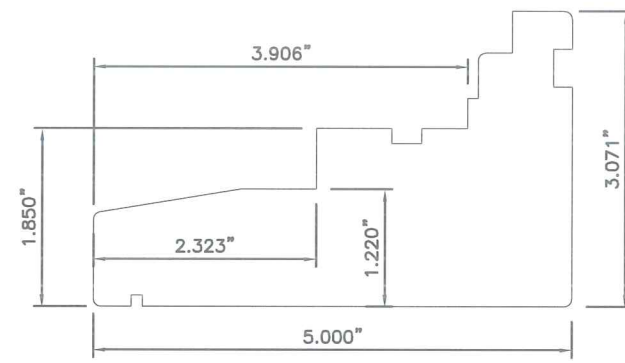
WOLTERS ENGINEERING
(CO.# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

DRAWING NO.
EURO DOOR - TEAK

SHEET NO.
7 OF 9



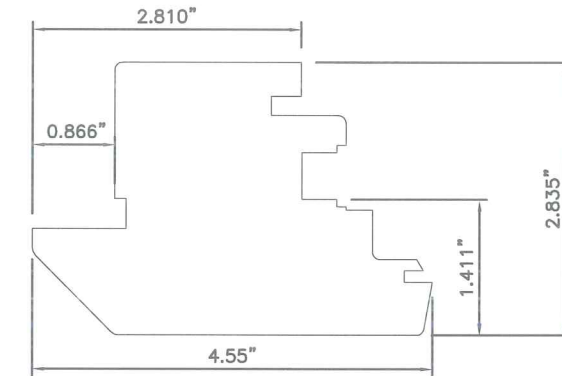
① HEAD & SIDE JAMB & SILL



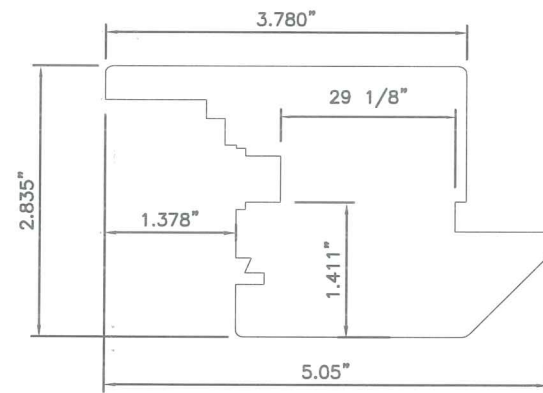
② SILL JAMB



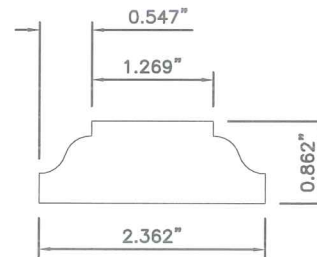
③ RAIL & STILE



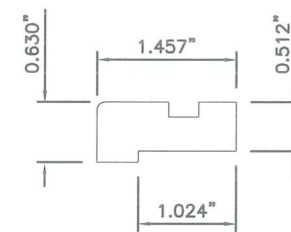
④ ACTIVE MEETING STILE



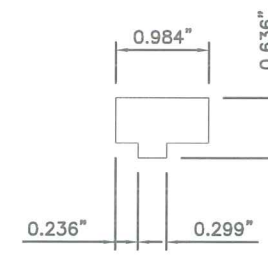
⑤ INACTIVE MEETING STILE



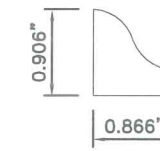
⑥ ASTRAGAL



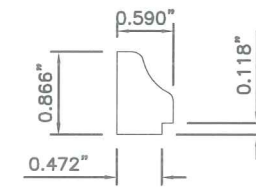
⑦ FILLET (MEETING STILE)



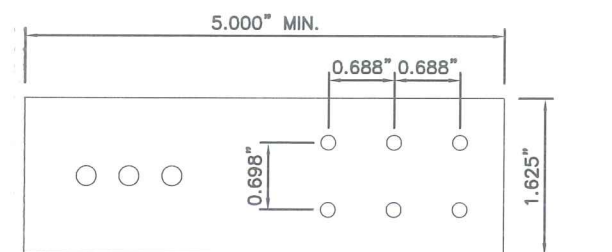
⑧ FILLET



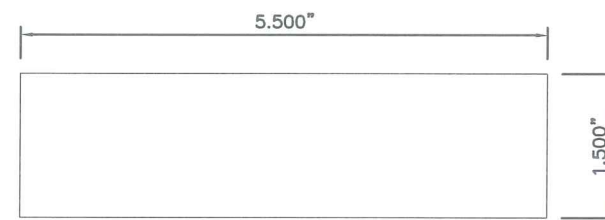
⑨ GLASS/PANEL STOP



⑩ INSULATED GLASS STOP



⑪ MOUNTING CLIP



⑭ HORIZONTAL MULLION
(L = TRANSOM F.W.)

DATE: 12/15/2017

NO.	REVISION DESCRIPTION	DATE

WOOD EUROPEAN SERIES GLAZED OUTSWING FRENCH DOORS (TEAK)

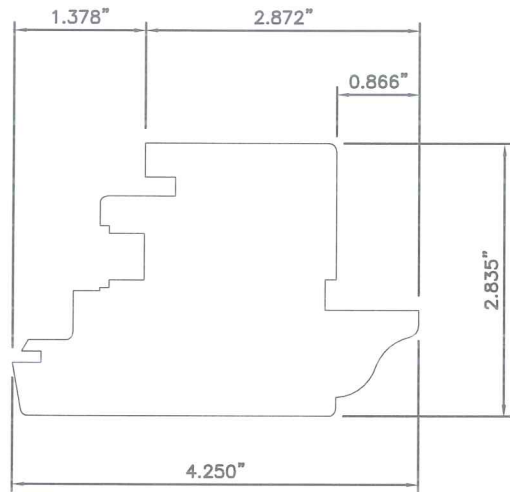
LUXBAUM, LLC
WINDOWS + DOORS

1501 NORTHPOINT PARKWAY, SUITE 101
WEST PALM BEACH, FL 33407
Ph: (561) 684-1500
www.luxbaum.com

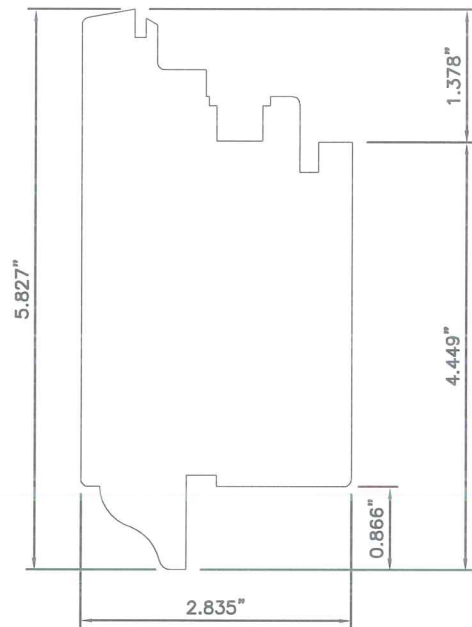


DRAWING NO.
EURO DOOR - TEAK

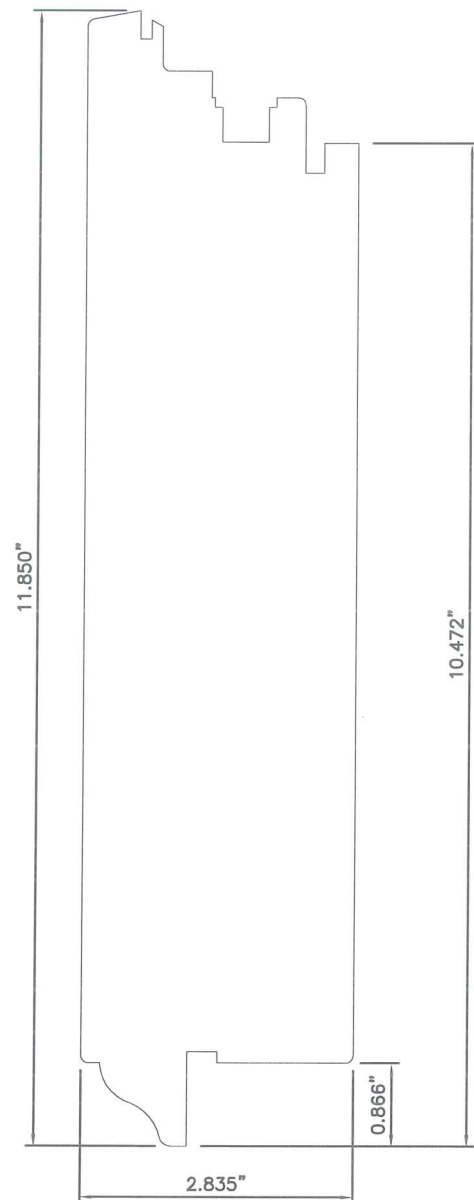
SHEET NO.
8 OF 9



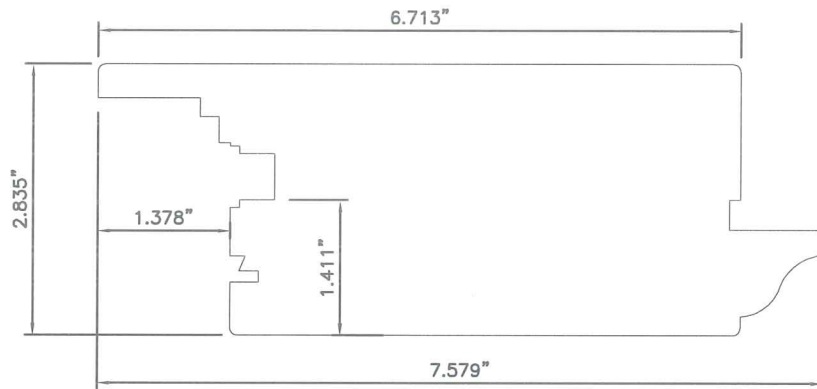
34 BOTTOM STILE



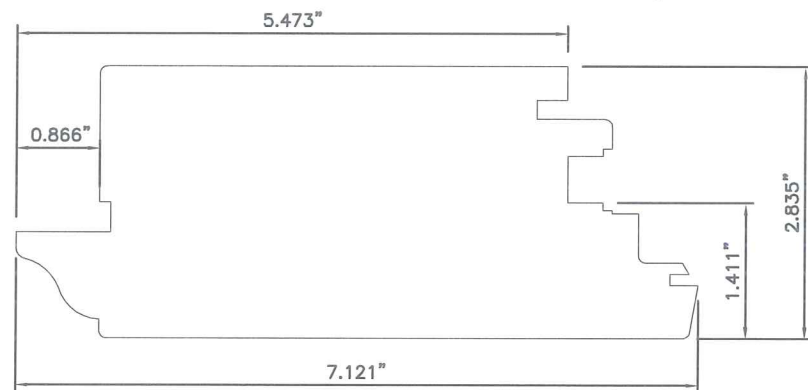
33 BOTTOM STILE



32 BOTTOM RAIL



30 INACTIVE MEETING STILE



31 ACTIVE MEETING STILE

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	7478	HEAD & SIDE JAMB	TEAK
2	78127	SILL JAMB	TEAK
3	7283	RAIL & STILE	TEAK
4	72106	ACTIVE MEETING STILE	TEAK
5	72118	INACTIVE MEETING STILE	TEAK
6	2260	ASTRAGAL	TEAK
7	1637	FILLET (MEETING STILE)	TEAK
8	1625	SPACER/FILLET	TEAK
9	2223	GLASS/PANEL STOP	TEAK
10	1522	GLASS STOP (I.G. GLASS)	TEAK
11	-	MOUNTING CLIP	0.045" 316 STAINLESS STEEL (50 ksi)
13	72105	MID RAIL	TEAK
14	-	MULLION (5 1/2" X 1 1/2")	MERBAU
30	72193	INACTIVE MEETING STILE	TEAK
31	72181	ACTIVE MEETING STILE	TEAK
32	72301	BOTTOM RAIL	TEAK
33	72148	HEAD & JAMB STILE	TEAK
34	72109	ACTIVE STILE	TEAK
HARDWARE			
16	-	HINGE	LA FLORIDA
17	-	STRIKE PLATE	SIEGENIA - FAVORIT
18	-	MULTI-POINT LOCK SET	AGB - ARTECH
19	-	HANDLE	AS REQUIRED TO OPERATE LOCKS
SEALS AND SEALANTS			
20	-	COMPRESSION SEAL	DEVENTER SV33
21	-	COMPRESSION SEAL	DEVENTER SV12
22	-	COMPRESSION SEAL	DEVENTER S6544
MISCELLANEOUS FASTENERS			
23	-	23 GAGE BRAD NAIL	4" FROM ENDS & 14" O.C.
24	-	23 GAGE BRAD NAIL	2" FROM CORNERS & 4" O.C.
25	-	NO. 12 X 3 1/2" SMS	4" FROM CORNERS & 12" O.C.
26	-	NO. 0 BISCUIT	4" FROM ENDS & 14" O.C.
27	-	NO. 8 X 1 1/2" SMS	4" FROM ENDS & 14" O.C. (2 ROWS)
29	-	INSULATED GLASS SPACER	ALUMINUM

TEAK WOOD:

Specific Gravity = 0.55
Modulus of Elasticity = 1.55×10^6 psi

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SCOTT WALTERS
FL PE# 62354

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15211 97TH ROAD N
WEST PALM BEACH, FL 33412

DRAWING NO.
EURO DOOR - TEAK

SHEET NO.
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