

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL FRAME ANCHORS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ) & IS LARGE MISSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. UNLESS OTHERWISE SPECIFIED HERE-IN, PRODUCT ASSEMBLY AND ALL ASSEMBLY REQUIREMENTS/OPTIONS SHALL BE AS TESTED, ARE THE RESPONSIBILITY OF EACH THE MANUFACTURER AND THEIR APPLICABLE QUALITY ASSURANCE & ARE NOT THE RESPONSIBILITY OF THESE DOCUMENTS NOR THE CERTIFICATION OF THESE DOCUMENTS. IF ANY DIFFERENCES OCCUR BETWEEN AS TESTED DETAILS AND THE DETAILS SHOWN HERE-IN, THE DETAILS SHOWN HERE-IN SHALL CONTROL.
10. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.
11. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
12. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.
13. ALL WOOD MEMBERS OF THIS PRODUCT THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF A DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC REQUIREMENTS.
14. CONDITIONS OUTSIDE OF THOSE SHOWN IN THIS DRAWINGS AND/OR THE DOOR APPROVAL SHALL BE SUBJECT TO SEPARATE JOB SPECIFIC ENGINEERING REVIEW AND CERTIFICATION.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CONCRETE FILLED CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
INSTALLATION CLIP SCREWS (FLAT CLIP)			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 3/8"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CONCRETE FILLED CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
INSTALLATION CLIP SCREWS (ANGLE CLIP)			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX(S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).

APPLICABLE LOCK SYSTEMS (AS TESTED)

ACTIVE & INACTIVE PANEL DOUBLE DOORS:

- SIEGENIA STAINLESS STEEL WITH MULTI-POINT MUSHROOM CAM LOCKING SYSTEM (LOCK POINTS REQUIRED AT HEAD & SILL OF INACTIVE PANEL AND SIDE, SILL & HEAD OF ACTIVE PANEL)

SINGLE DOOR ACTIVE PANEL:

- SIEGENIA STAINLESS STEEL WITH MULTI-POINT MUSHROOM CAM LOCKING SYSTEM (LOCK POINTS REQUIRED AT SIDE, HEAD & SILL)
- KFV STAINLESS STEEL WITH MULTI-POINT MUSHROOM CAM LOCKING SYSTEM (LOCK POINTS REQUIRED AT SIDE ONLY)

NOTES:

- SEE LOCK QUANTITY REQUIREMENTS TABLE FOR QUANTITY OF LOCKS REQUIRED FOR EACH LOCK SYSTEM.
- KFV SIDE ONLY LOCK SYSTEM IS NOT APPLICABLE WITH WITH HALF-ROUND TOP SINGLE DOORS NOR EYEBROW TOP SINGLE DOORS THAT HAVE A SPRINGLINE LOWER THAN 12" BELOW THE TOP OF THE PANEL.

HINGE REQUIREMENTS
(RECTANGULAR &
EYEBROW TOP DOORS)

FRAME HEIGHT	QUANTITY PER PANEL
OVER 98"	5
98" OR LESS	4

(HALF ROUND TOP
DOUBLE DOORS)

HEIGHT TO SPRINGLINE	QUANTITY PER PANEL
OVER 59"	4
59" OR LESS	3

(HALF ROUND TOP
SINGLE DOORS)

HEIGHT TO SPRINGLINE	QUANTITY PER PANEL
OVER 69"	4
69" OR LESS	3

"SPRINGLINE" IS THAT POINT AT WHICH THE STRAIGHT JAMB MEETS THE SHAPED FRAME MEMBER

LOCK STRIKE QUANTITY
REQUIREMENTS

TOP & BOTTOM OF PANEL (SIEGENIA LOCK)	
PANEL WIDTH	QUANTITY PER PANEL
OVER 30"	3
UP TO 30"	2
LOCK SIDE OF ACTIVE PANEL (SIEGENIA LOCK)	
PANEL HEIGHT	QUANTITY PER PANEL
ALL HEIGHTS	5
LOCK SIDE OF ACTIVE PANEL (KFV LOCK)	
ALL HEIGHTS	3

NOTE TO QA ENTITY:

STILE & RAIL PART PROFILES TESTED WITH WOOD PANEL INFILL'S HAVE BEEN ENLARGED OVER WHAT WAS USED IN TESTING IN ORDER THAT THEY MAY BE CONSISTENT WITH THOSE STILES AND RAILS TESTED WITH GLASS INFILL. THE PROFILES SHOWN HERE-IN SHALL CONTROL & APPLY OVER THOSE TESTED.

ANCHOR/SUBSTRATE EVALUATION NOTE:

ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE CAPABLE OF SUPPORTING ALL LOADS IMPOSED ON THEM UNDER THE GUIDELINES OF THIS DOCUMENT. ANY SUBSTRATES OR CONDITIONS OUTSIDE OF WHAT IS SHOWN HERE-IN SHALL BE SUBJECT TO JOB SPECIFIC ENGINEER'S REVIEW & CERTIFICATION.

INSTALLATION NOTE:

WHEN NECESSARY, INSTALLATION METHODS MAY BE MIXED WITH ANY ONE DOOR SUCH THAT INDIVIDUAL SIDES OF THE DOOR MAY USE ONE OR THE OTHER ANCHOR METHOD (EXAMPLE: SILL MAY USE FRAME SCREWS METHOD WHILE OTHER SIDES USE CLIPS)

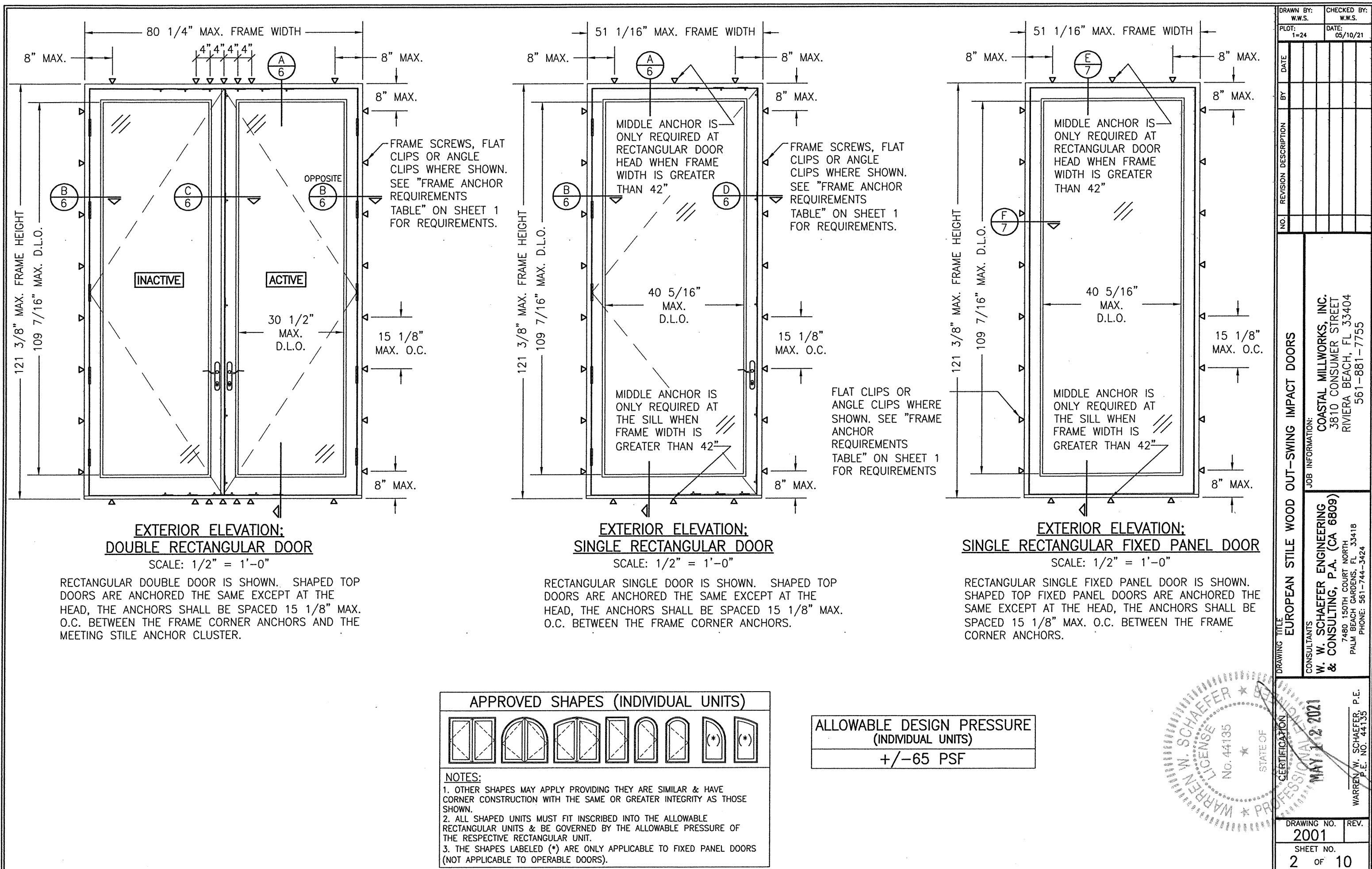
CMU IS NOT APPLICABLE AT HEAD & SILL.

CMU IS NOT APPLICABLE AT HEAD & SILL.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

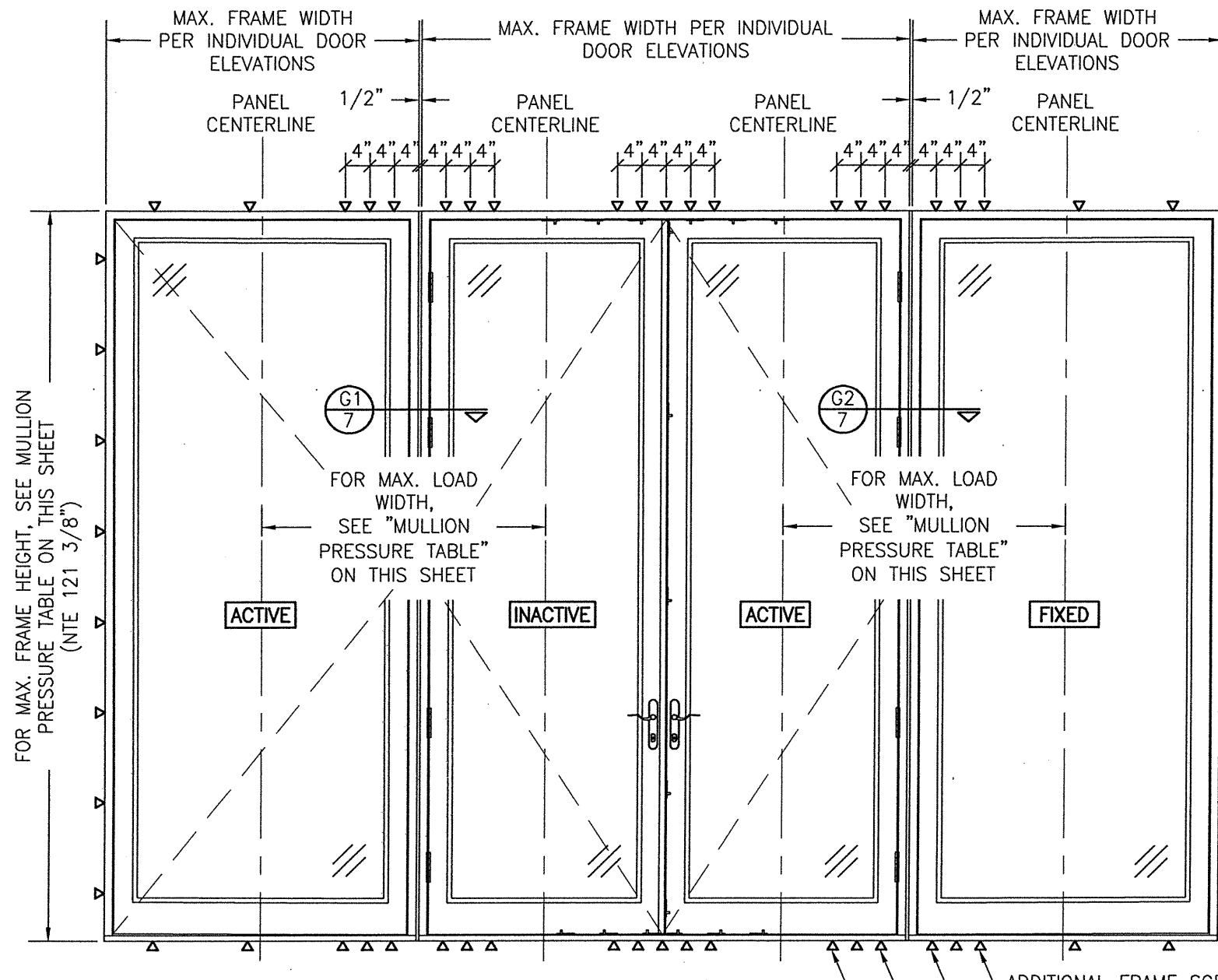
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 05/10/21
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE EUROPEAN STILE WOOD OUT-SWING IMPACT DOORS	JOB INFORMATION: COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION W. W. SCHAEFER P.E. NO. 44135 MAY 12 2021	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 2001	REV.
SHEET NO. 1	OF 10



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 05/10/21	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: EUROPEAN STILE WOOD OUT-SWING IMPACT DOORS			
JOB INFORMATION: COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING NO. 2001 SHEET NO. 2 OF 10			

WARREN W. SCHAEFER
LICENSE No. 44135
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MAY 12 2021
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135



**EXTERIOR ELEVATION:
SIDE-BY-SIDE MULLED UNITS**

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

(RECTANGULAR DOORS SHOWN, SHAPED DOORS ALSO APPLY UNDER THE SAME MULLED CONDITIONS AS SHOWN FOR RECTANGULAR)

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
3. X-XX-O UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.

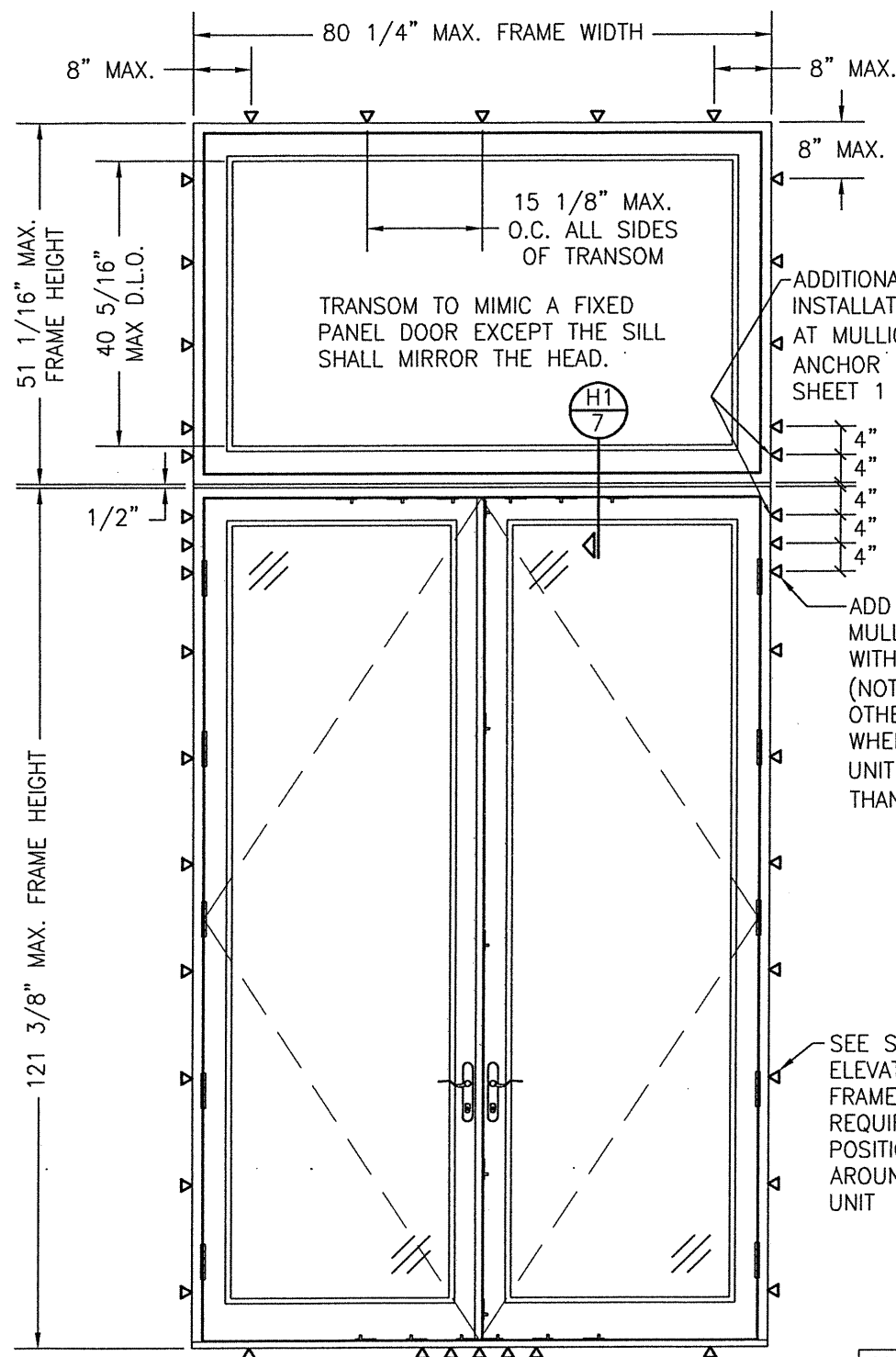
SEE SINGLE UNIT ELEVATIONS FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND EACH UNIT

ADDITIONAL FRAME SCREWS OR INSTALLATION CLIPS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS. NOTE THAT 1 ANCHOR MAY BE OMITTED AT EACH OR EITHER SIDE OF THE MULLION WHEN THE APPLICABLE PANEL WIDTH IS 24" OR LESS OR THE MULLION LOAD WIDTH IS 30" OR LESS.

MULLION ALLOWABLE DESIGN PRESSURE (SIDE BY SIDE UNITS)			
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
121 3/8	51 1/2	58.8	58.8
	48 1/2	62.5	62.5
	46 1/2	65.0	65.0
114 3/8	51 1/2	62.4	62.4
	49 1/2	65.0	65.0
109 3/8	51 1/2	65.0	65.0

NOTES:
1. LOAD WIDTH IS THE DISTANCE BETWEEN PANEL CENTERLINES.
2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURES SHOWN IN THIS TABLE & THOSE SPECIFIED FOR THE INDIVIDUAL DOOR/FIXED PANEL.
3. SIZE VALUES IN TABLE ARE +/- 1/8"

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WARREN W. SCHAEFER P.E. No. 44135 STATE OF FLORIDA LICENSE MAY 12 2021 			
DRAWING NO. 2001		REV.	
SHEET NO. 3		OF 10	

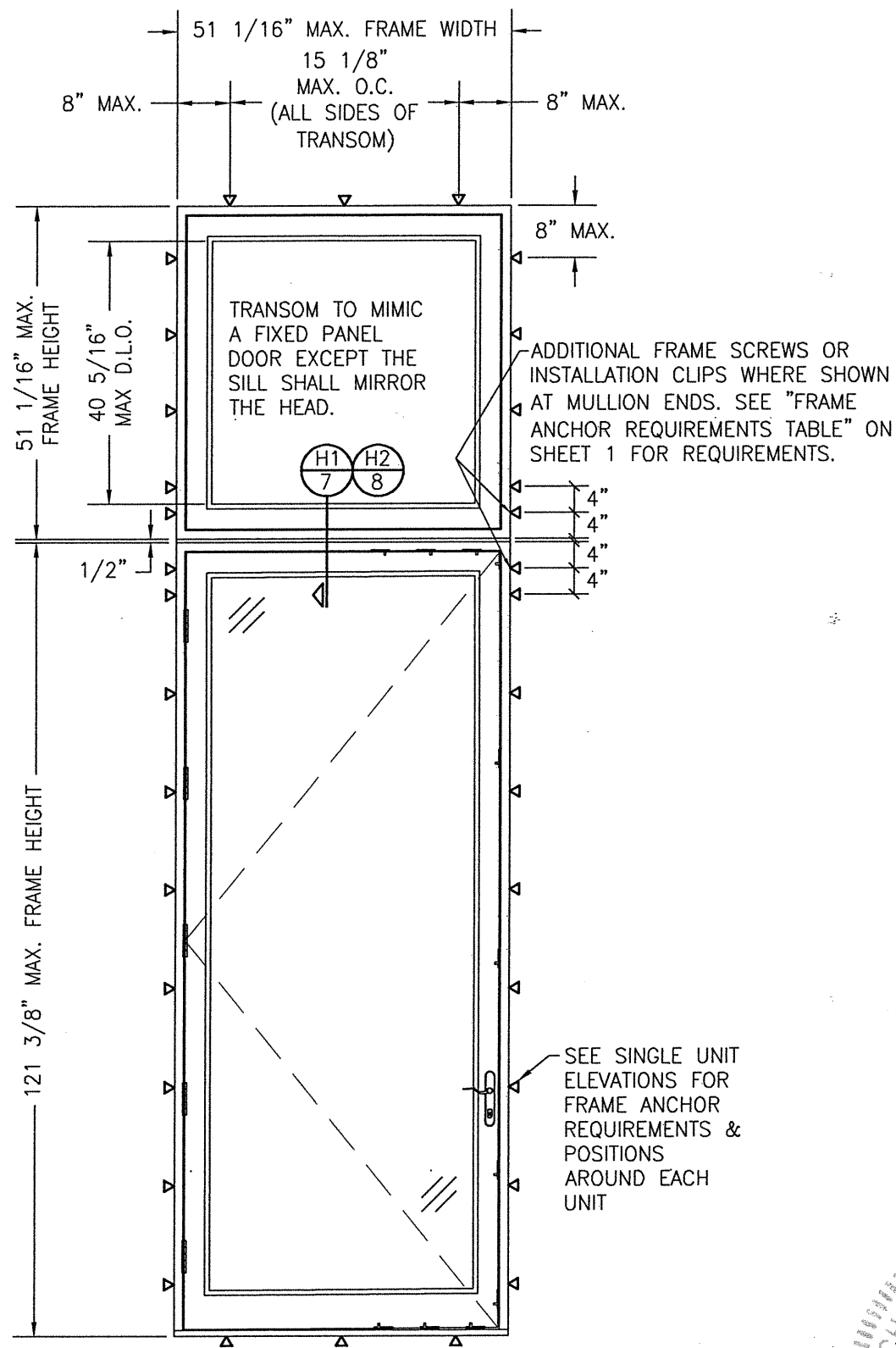


**EXTERIOR ELEVATION:
DOUBLE DOOR WITH TRANSOM UNIT**

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

(RECTANGULAR TRANSOM SHOWN, SHAPED TOP TRANSOMS ALSO APPLY)

ALLOWABLE DESIGN PRESSURE (TRANSOM UNITS)
+/-65 PSF



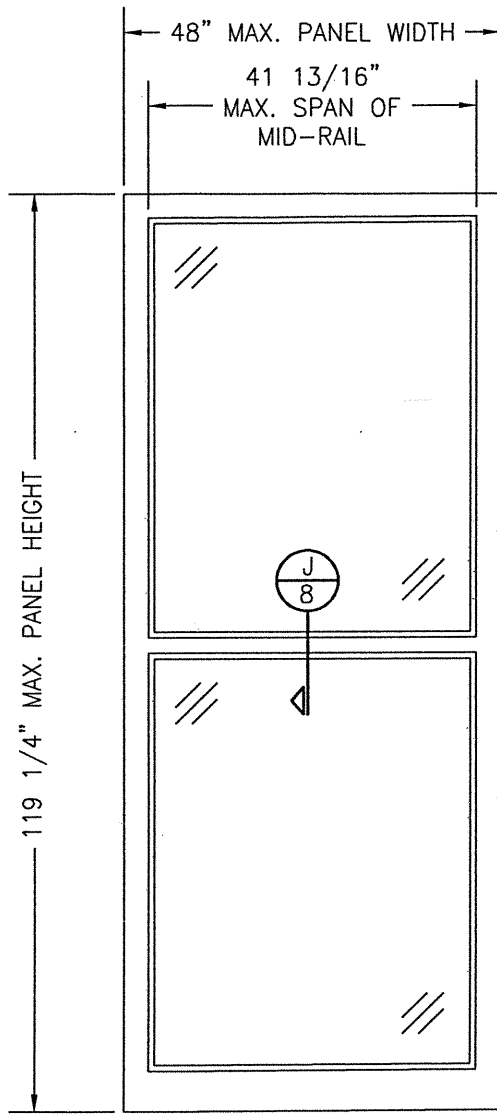
**EXTERIOR ELEVATION:
SINGLE ACTIVE OR FIXED DOOR WITH
TRANSOM UNIT**

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

(RECTANGULAR TRANSOM SHOWN, SHAPED TOP TRANSOMS ALSO APPLY)

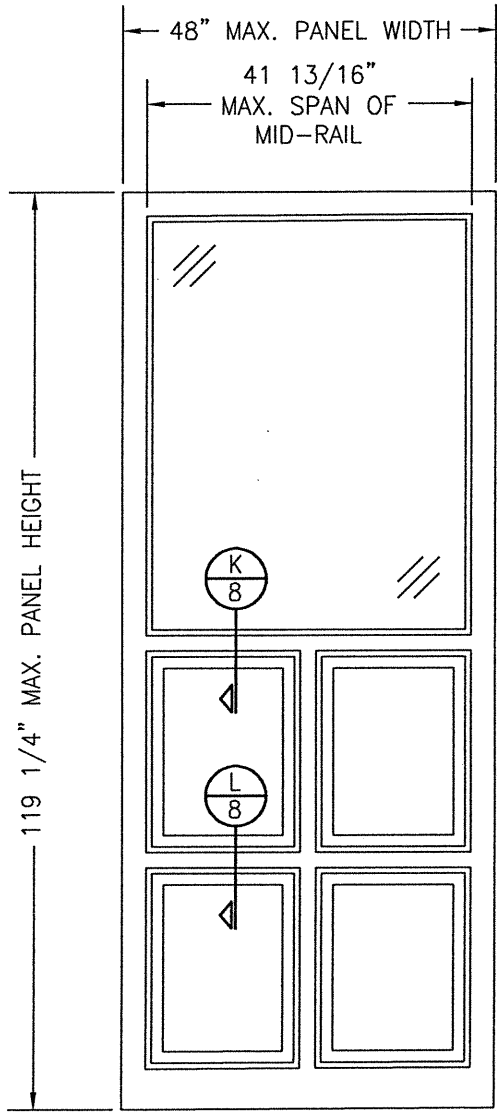
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PLOT: 1-24	DATE: 05/10/21
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE EUROPEAN STILE WOOD OUT-SWING IMPACT DOORS	
JOB INFORMATION: COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION MAY 12 2021 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 2001	REV.
SHEET NO. 4	OF 10

PANEL OPTIONS



EXTERIOR ELEVATION:
ALL GLASS PANEL WITH MID-RAIL
SCALE: 1/2" = 1'-0"

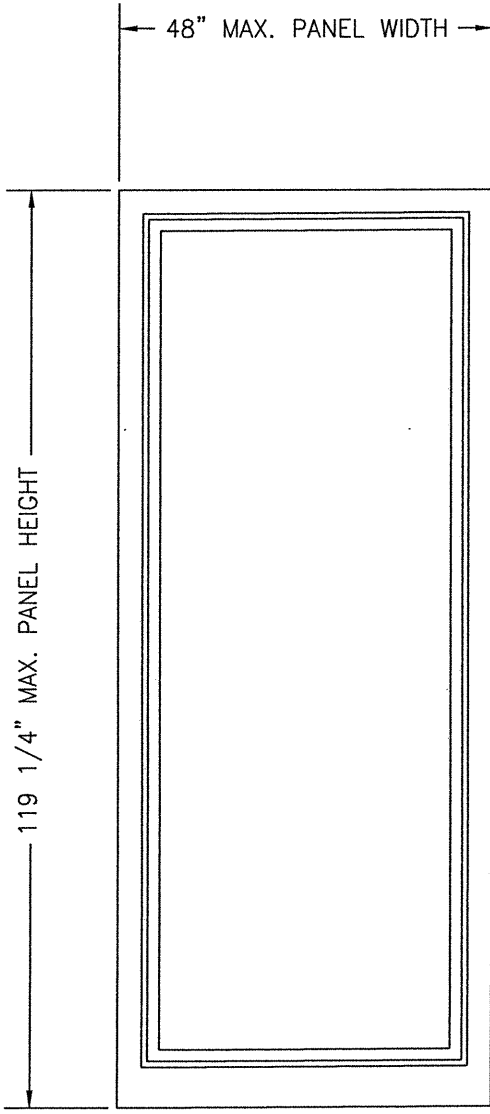
- NOTES:
1. MID-RAIL MAY ONLY BE HORIZONTAL.
 2. THERE IS NO LIMIT TO THE NUMBER OF MID-RAILS IN ONE PANEL.
 3. POSITION OF MID-RAIL IS NOT LIMITED.



EXTERIOR ELEVATION:
PARTIAL WOOD PANEL WITH MID-RAIL
SCALE: 1/2" = 1'-0"

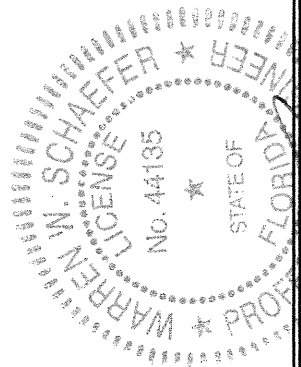
- NOTES:
1. MID-RAIL MAY ONLY BE HORIZONTAL BETWEEN WOOD AND GLASS PANELS.
 2. THERE IS NO LIMIT TO THE NUMBER OF MID-RAILS IN ONE PANEL.
 3. POSITION OF MID-RAILS ARE NOT LIMITED.
 4. GLASS PANEL SECTION MAY BE ABOVE OR BELOW THE MID-RAIL.
 5. SECONDARY MID-RAILS MAY BE PLACED WITHIN THE WOOD PANEL SECTION AND MAY BE HORIZONTAL OR VERTICAL PROVIDING THE MAX. MID-RAIL SPAN SPECIFIED IS NOT EXCEEDED.
 6. ARCHED OR RADIUS MID-RAILS SHALL BE SUBJECT TO JOB SPECIFIC ENGINEERING REVIEW & CERTIFICATION.

WOOD PANEL NOTE:
WOOD PANELS ARE MADE UP OF 3/4" MARINE PLYWOOD. OTHER WOOD MAY BE ADDED TO THE INTERIOR &/OR EXTERIOR FACE OF THE PLYWOOD TO CREATE RAISED PANELS, TOUNGE & GROOVE PANELS, LOUVERED PANELS, ETC.

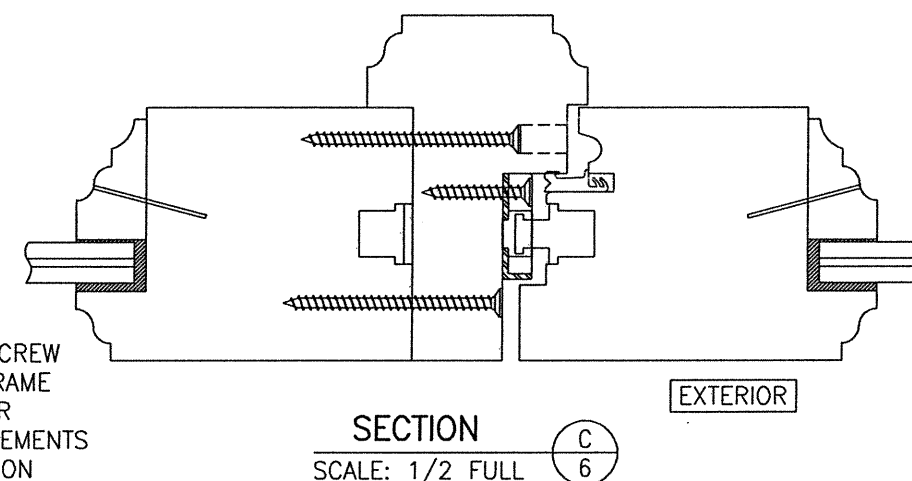
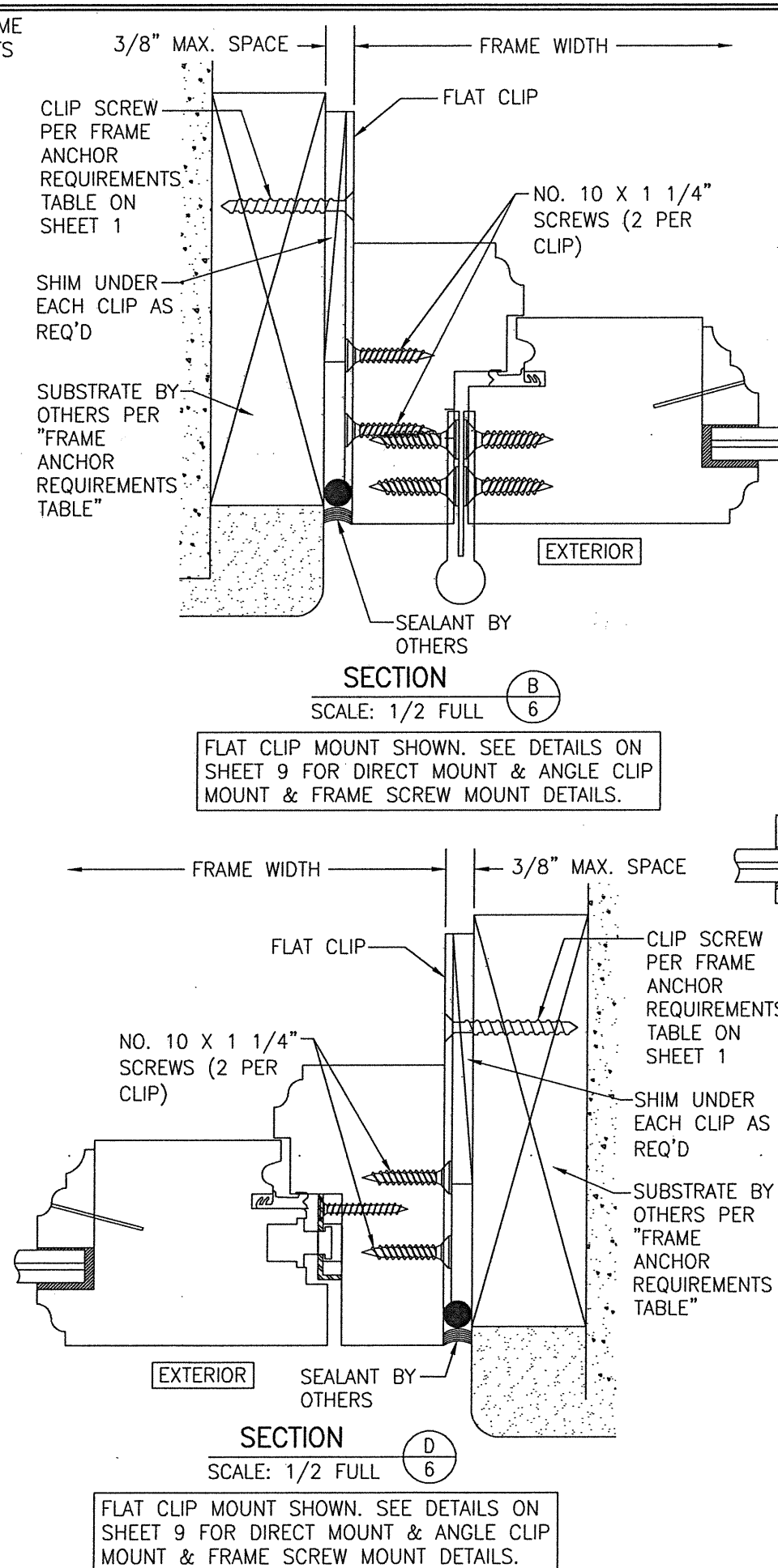
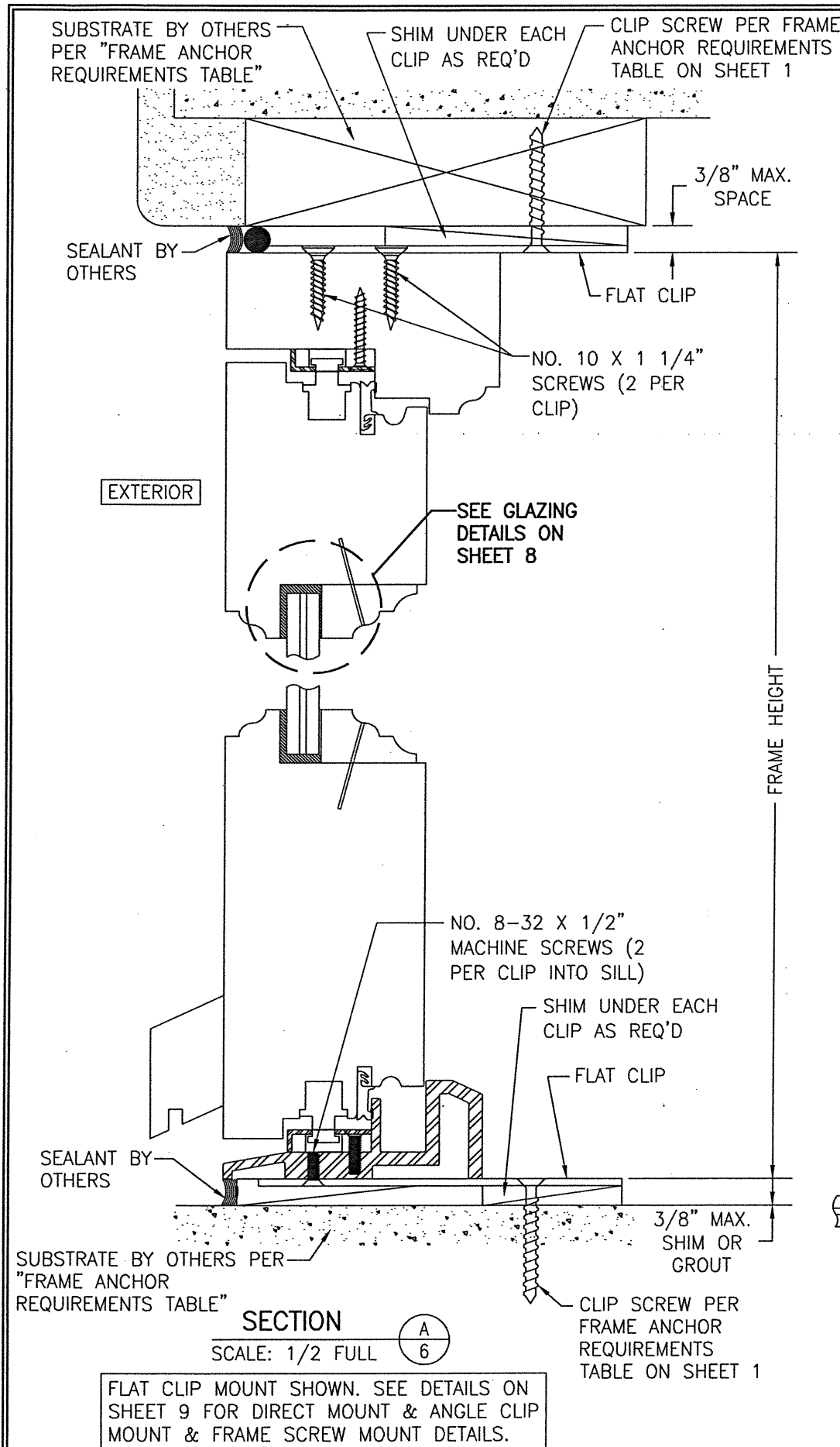


EXTERIOR ELEVATION:
FULL WOOD PANEL
SCALE: 1/2" = 1'-0"

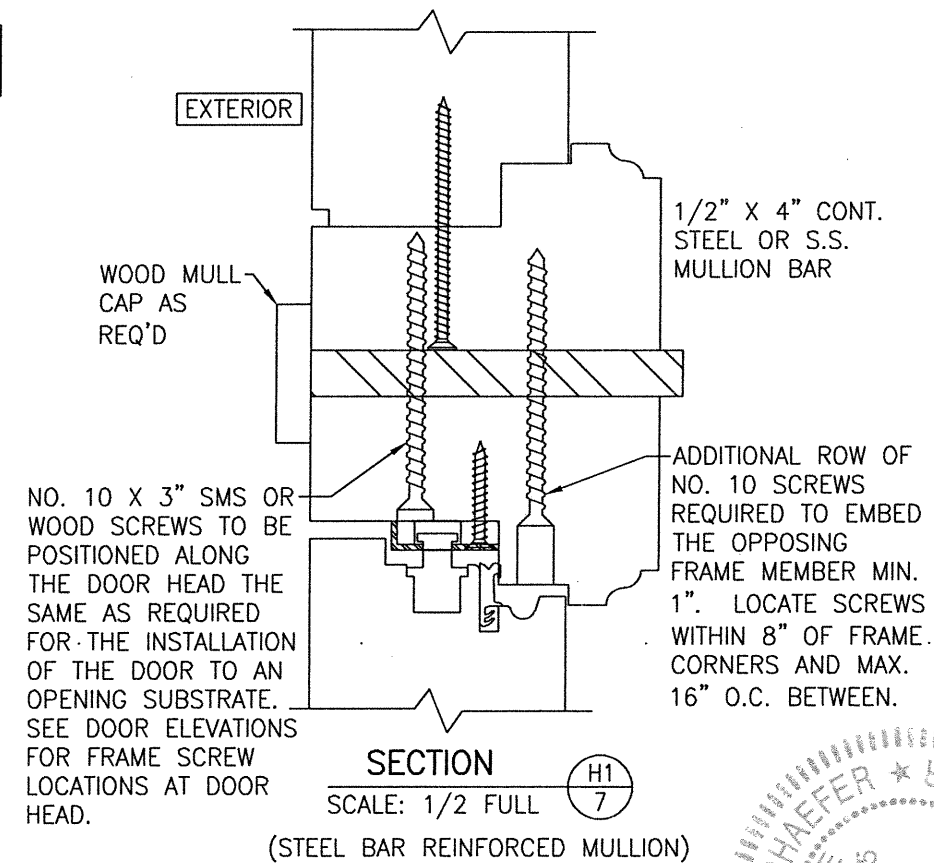
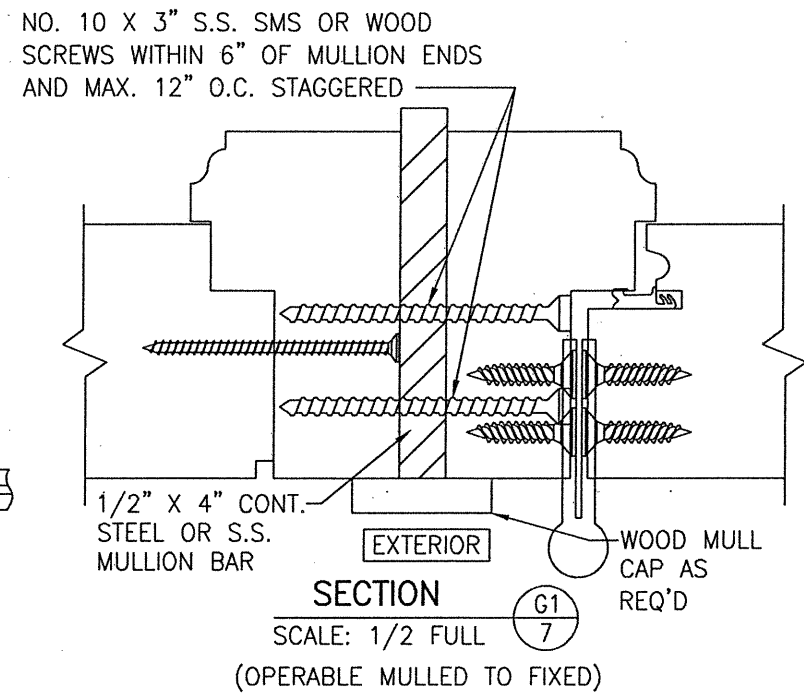
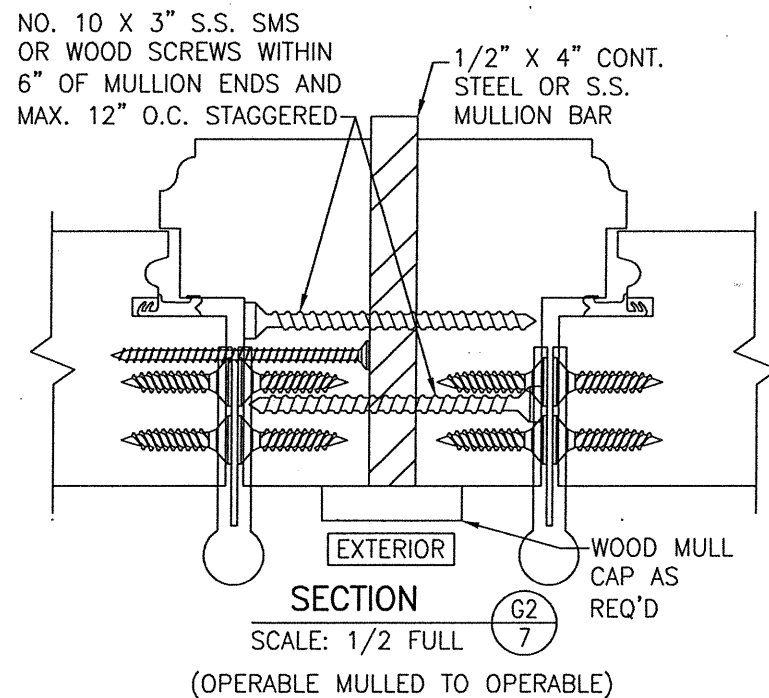
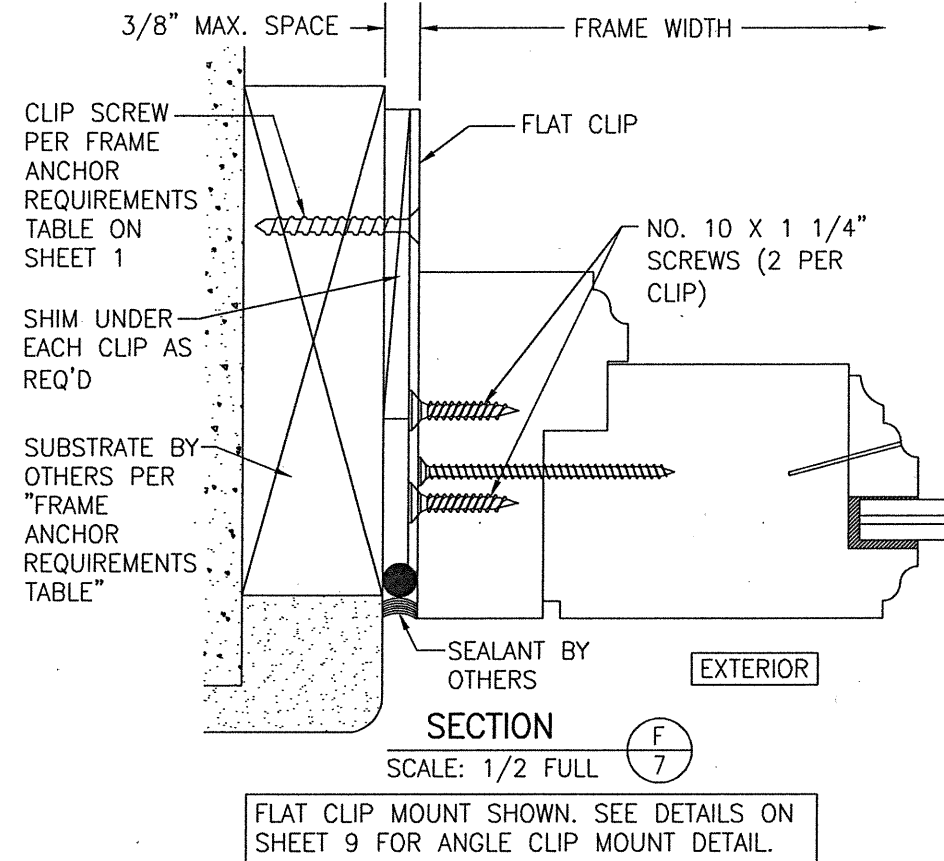
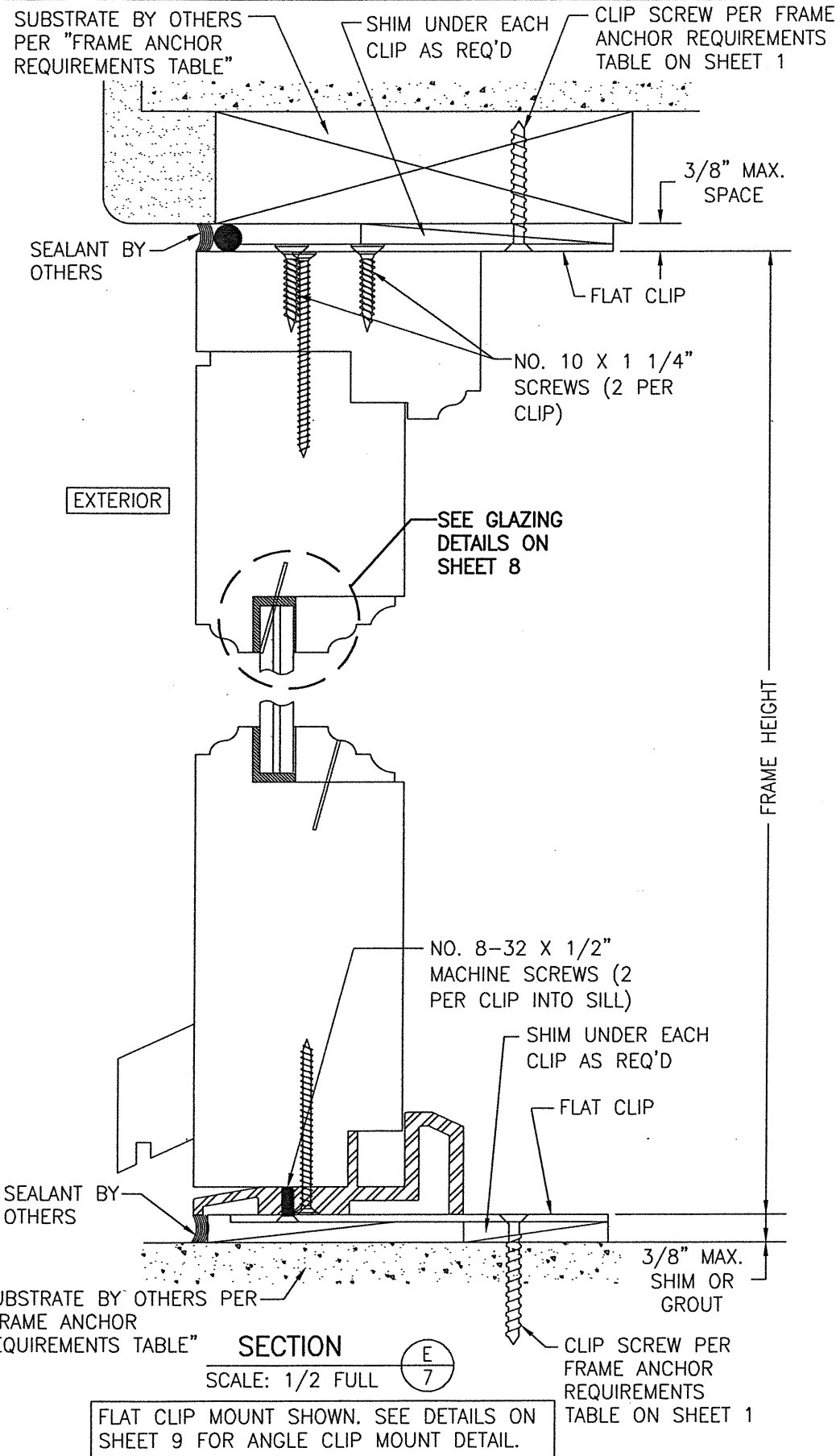
- NOTES:
1. MID-RAILS MAY BE USED WITHIN THE FULL PANEL AS SHOWN IN THE PARTIAL WOOD PANEL ELEVATION.
 2. THERE IS NO LIMIT TO THE NUMBER OF MID-RAILS IN ONE PANEL.
 3. POSITION OF MID-RAILS ARE NOT LIMITED.



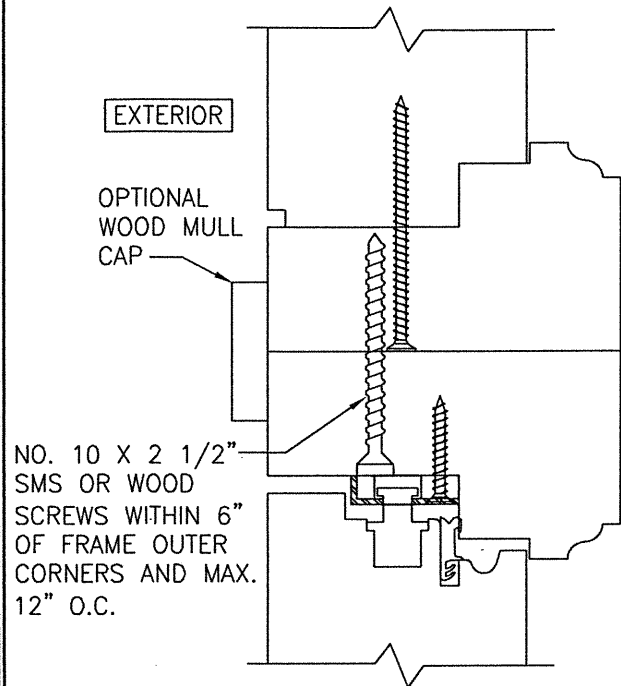
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PLOT: 1-24	DATE: 05/10/21
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE EUROPEAN STILE WOOD OUT-SWING IMPACT DOORS	
JOB INFORMATION: COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION MAY 12 2021 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 2001	REV.
SHEET NO. 5	OF 10



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PLOT: 1=2		DATE: 05/10/21		
NO.	REVISION	DESCRIPTION	BY	DATE
DRAWING TITLE EUROPEAN STILE WOOD OUT-SWING IMPACT DOORS				
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755		
CERTIFICATION MAY 12 2021 WARREN W. SCHAEFER, P.E. P.E. NO. 44135				
DRAWING NO. 2001		REV.		
SHEET NO. 6 OF 10				

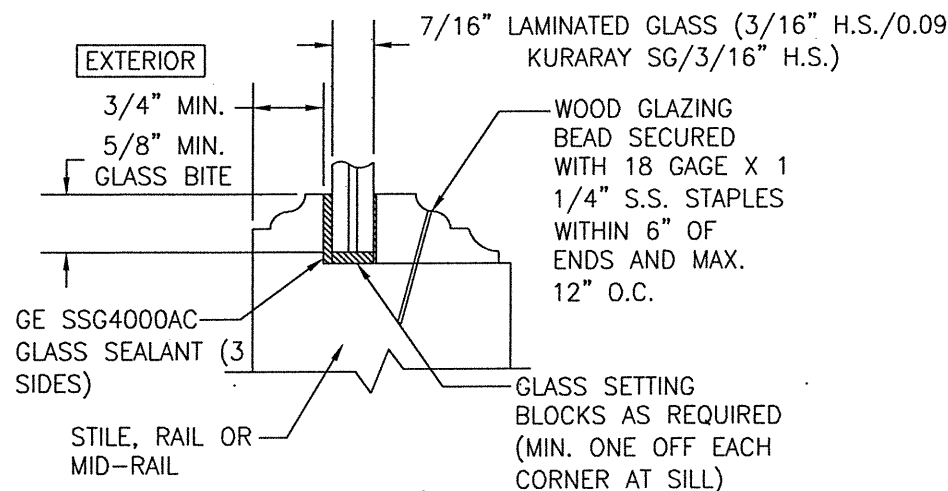


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PLOT: 1=2	DATE: 05/10/21
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE EUROPEAN STYLE WOOD OUT-SWING IMPACT DOORS	
MANUFACTURER COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION STATE OF FLORIDA WARREN W. SCHAEFER LICENSE NO. 44135 P.E.	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 2001	REV.
SHEET NO. 7	OF 10



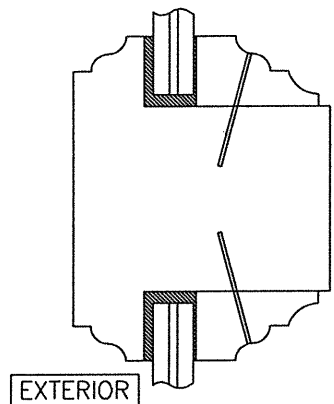
SECTION H2
SCALE: 1/2 FULL

(NON-REINFORCED MULLION)
*APPLICABLE ONLY WITH SINGLE
PANEL DOOR TRANSOM UNITS

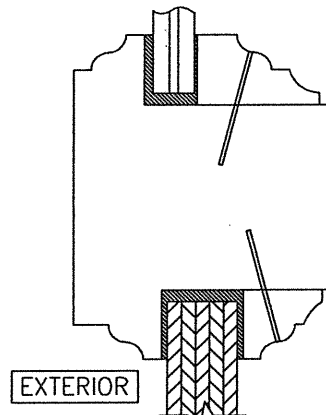


TYPICAL GLAZING DETAIL
(MONOLITHIC GLASS)

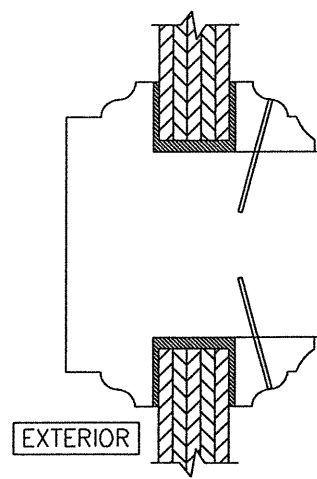
NOTE: TYPE OF PROFILE AT EXTERIOR GLAZING STOP & INTERIOR
GLAZING BEAD MAY BE AS SHOWN OR ANOTHER PROFILE
PROVIDING THE PROFILE DOES NOT HAVE LESS MATERIAL THAN
THAT TESTED.



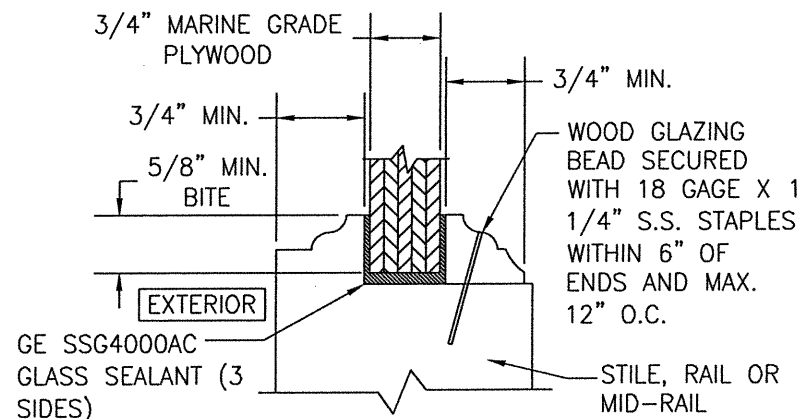
SECTION J
SCALE: 1/2 FULL
(GLASS OVER GLASS)



SECTION K
SCALE: 1/2 FULL
(GLASS OVER WOOD PANEL)



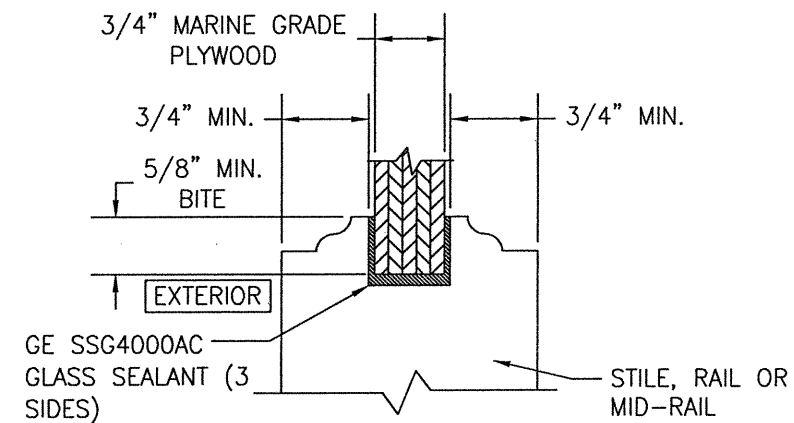
SECTION L
SCALE: 1/2 FULL
(WOOD PANEL OVER WOOD PANEL)



TYPICAL GLAZING DETAIL
(WOOD PANEL)

WOOD PANEL GLAZING NOTES:

1. EXTERIOR GLAZING STOP & INTERIOR GLAZING BEAD SHALL BE MINIMUM 3/4" WIDE AS SHOWN.
2. WOOD PANEL MAY BE CENTERED OR OFF CENTER WITH STILE/RAIL.
3. TYPE OF PROFILE AT EXTERIOR GLAZING STOP & INTERIOR GLAZING BEAD MAY BE AS SHOWN OR ANOTHER PROFILE.
4. PLYWOOD IS THE PANEL BASE. OTHER MATERIALS MAY BE ADDED TO EITHER FACE OF THE PLYWOOD TO ACHIEVE THE PANEL LOOK DESIRED.

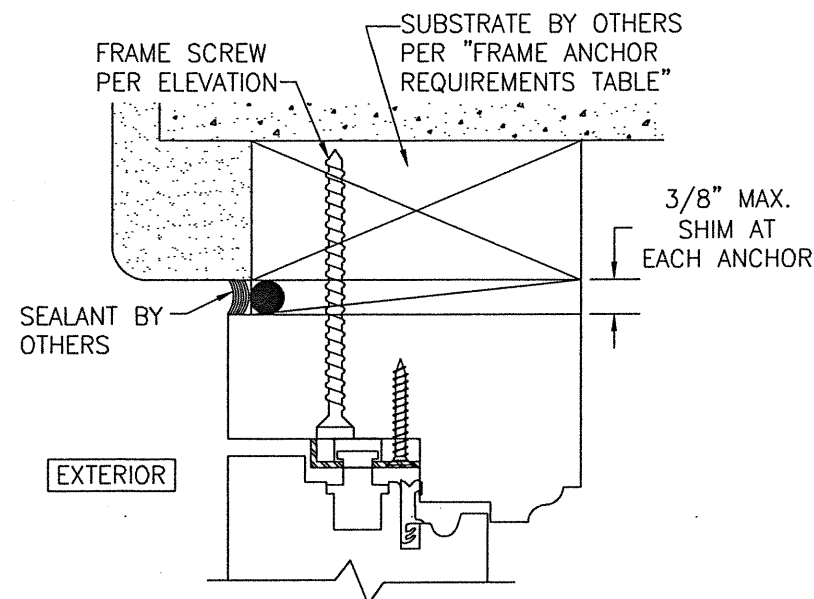


TYPICAL GLAZING DETAIL
(OPTIONAL WOOD PANEL CONDITION)

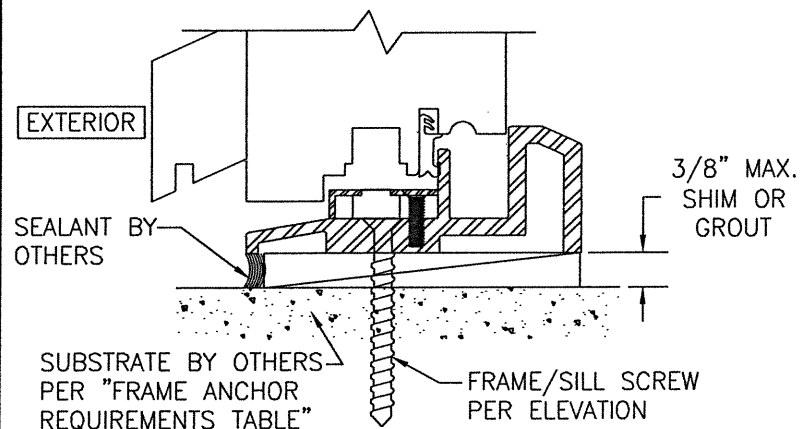
OPTIONAL WOOD PANEL CONDITION GLAZING NOTES:

1. EXTERIOR & INTERIOR GLAZING STOPS SHALL BE MINIMUM 3/4" WIDE AS SHOWN.
2. WOOD PANEL MAY BE CENTERED OR OFF CENTER WITH STILE/RAIL.
3. TYPE OF PROFILE AT EXTERIOR & INTERIOR GLAZING STOP MAY BE AS SHOWN OR ANOTHER PROFILE.
4. PLYWOOD IS THE PANEL BASE. OTHER MATERIALS MAY BE ADDED TO EITHER FACE OF THE PLYWOOD TO ACHIEVE THE PANEL LOOK DESIRED.

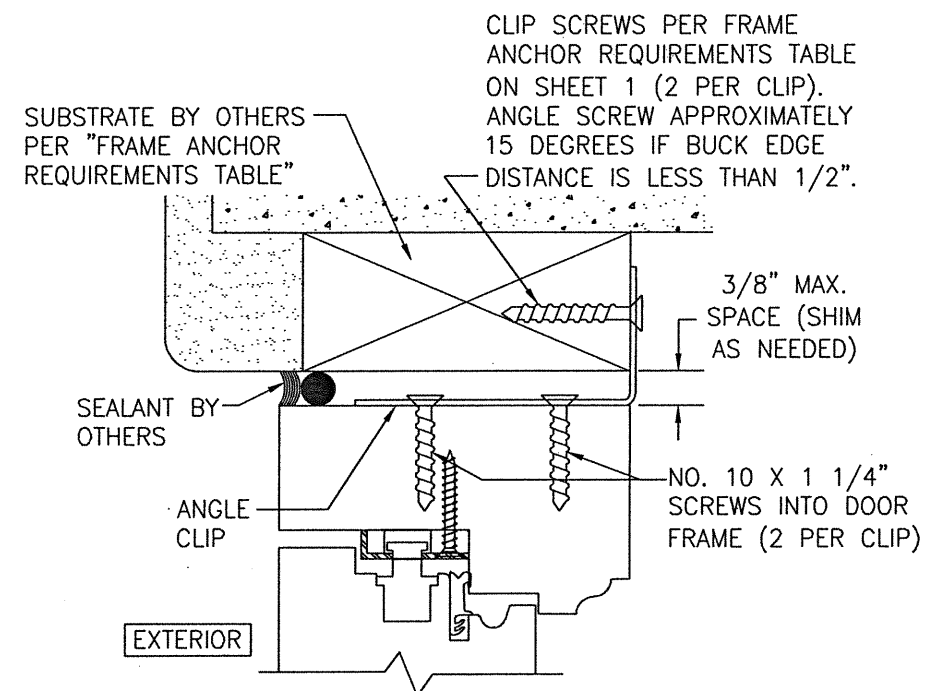
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PLOT: 1=2		DATE: 05/10/21	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE EUROPEAN STILE WOOD OUT-SWING IMPACT DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755	
CERTIFICATION WARREN W. SCHAEFER P.E. NO. 44135 MAY 12 2021		P.E. NO. 44135	
DRAWING NO. 2001		REV.	
SHEET NO. 8		OF 10	



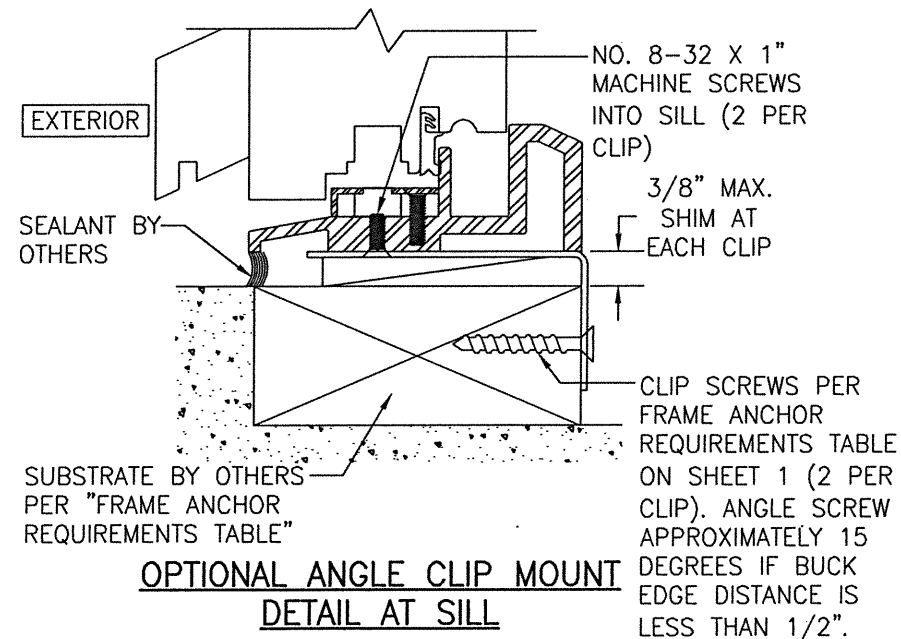
**OPTIONAL FRAME SCREW MOUNT
DETAIL AT HEAD & SIDES**
(HEAD SECTION SHOWN. SIDES ARE
INSTALLED THE SAME)
(NOT APPLICABLE WITH FIXED PANEL DOORS)



**OPTIONAL FRAME SCREW MOUNT
DETAIL AT SILL**
(NOT APPLICABLE WITH FIXED PANEL DOORS)

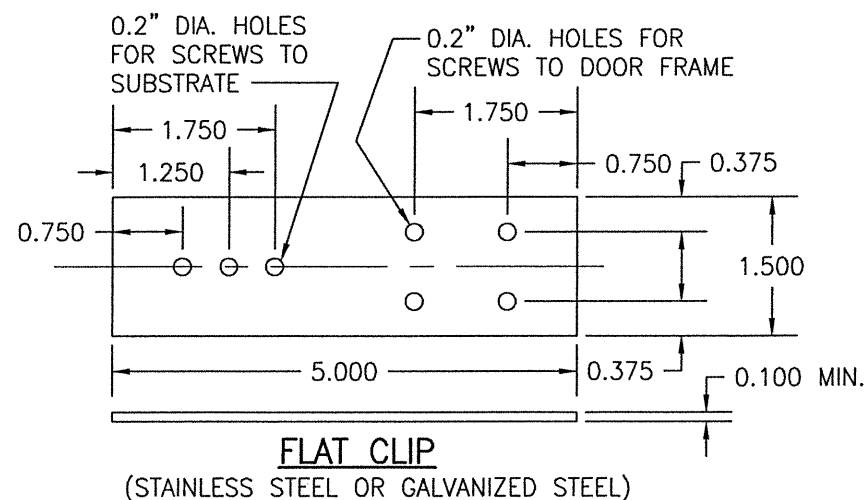


**OPTIONAL ANGLE CLIP MOUNT
DETAIL AT HEAD & SIDES**
(HEAD SECTION SHOWN. SIDES ARE
INSTALLED THE SAME)

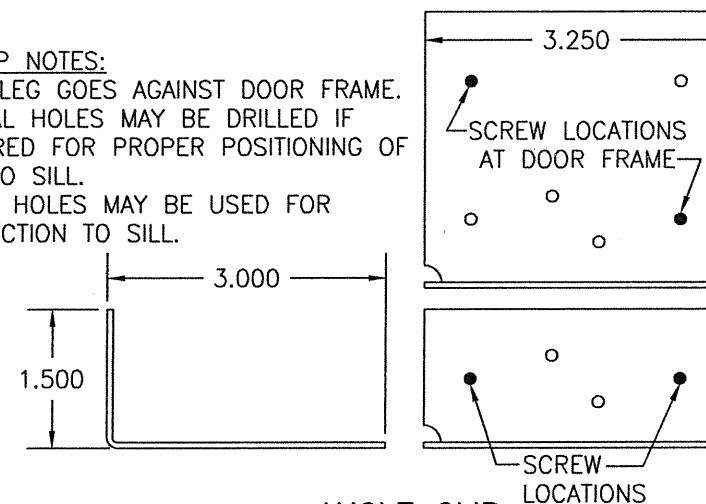


**OPTIONAL ANGLE CLIP MOUNT
DETAIL AT SILL**

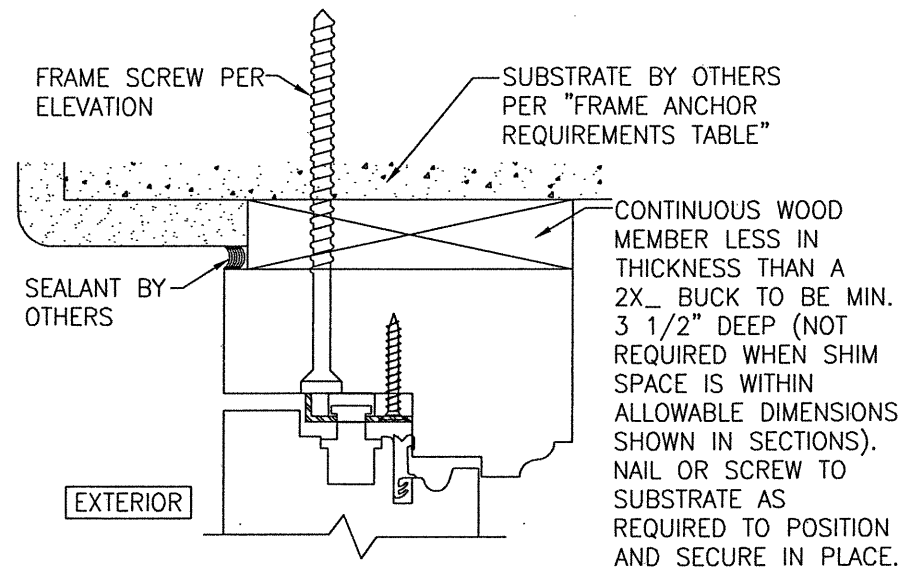
- FLAT CLIP NOTES:**
1. SUBSTRATE SCREWS MAY BE PLACED IN ANY OF THE 3 HOLES PROVIDED (CLOSEST TO DOOR FRAME IS THE BEST).
 2. SCREWS TO THE DOOR FRAME SHALL BE PLACED IN 2 OF THE 4 HOLES DIAGONAL FROM EACH OTHER.
 3. SCREWS TO THE DOOR SILL SHALL BE IN 2 HOLES THAT ALIGN WITH EACH OTHER ACROSS THE CLIP.



- ANGLE CLIP NOTES:**
1. LONG LEG GOES AGAINST DOOR FRAME.
 2. SPECIAL HOLES MAY BE DRILLED IF REQUIRED FOR PROPER POSITIONING OF CLIP TO SILL.
 3. ANY 2 HOLES MAY BE USED FOR CONNECTION TO SILL.

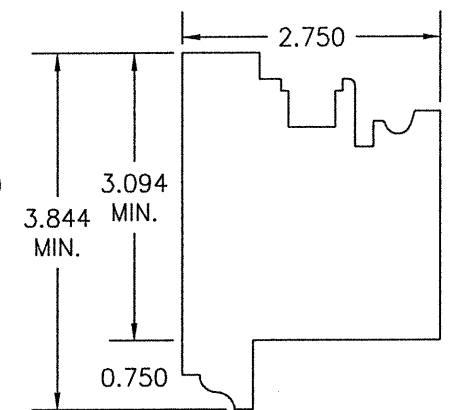
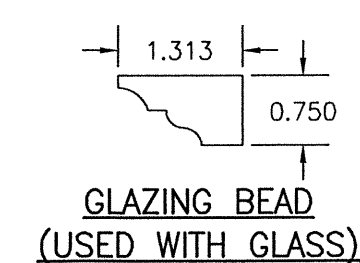
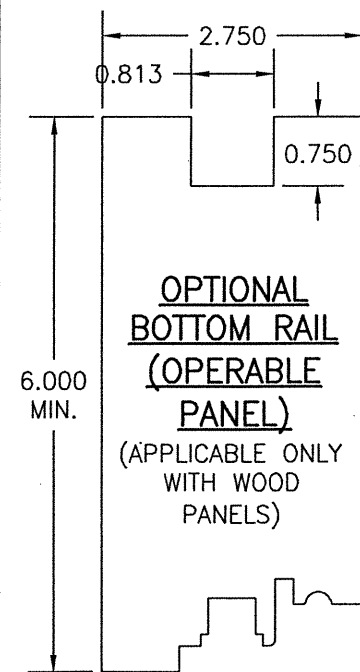
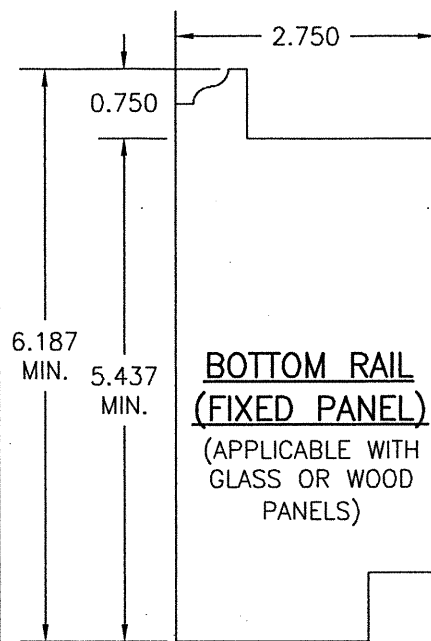
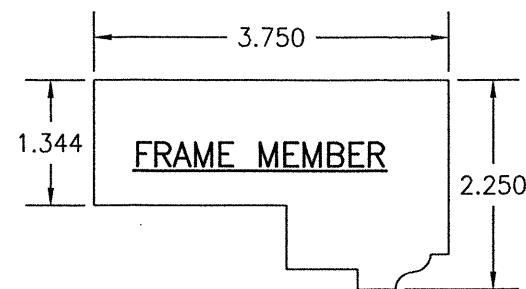


ANGLE CLIP
SIMPSON SWIFTCIP LE-SERIES 14 GAGE
GALVANIZED STEEL ANGLE CLIP NO. LE683

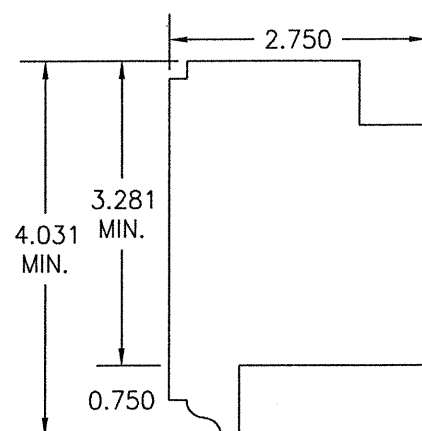
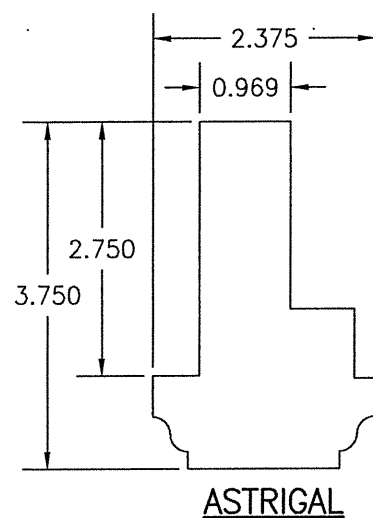
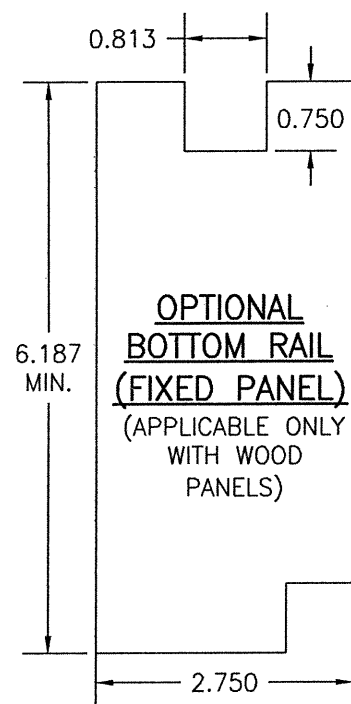


**OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER**
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(NOT APPLICABLE WITH FIXED PANEL DOORS)

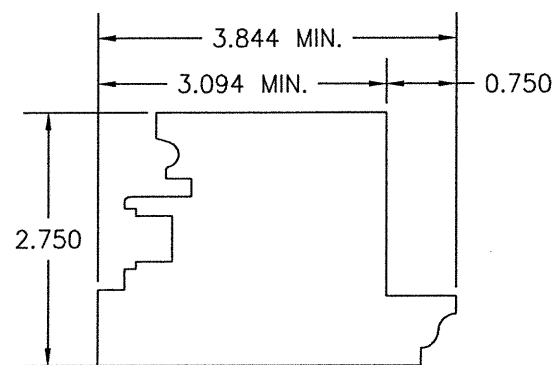
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 05/10/21
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE EUROPEAN STYLE WOOD OUT-SWING IMPACT DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	MANUFACTURER COASTAL MILLWORKS, INC. 3810 CONSUMER STREET RIVIERA BEACH, FL 33404 561-881-7755
CERTIFICATION W. W. SCHAEFER No. 44135 STATE OF FLORIDA P.E.	WARREN W. SCHAEFER, P.E. No. 44135
DRAWING NO. 2001	REV.
SHEET NO. 9 OF 10	



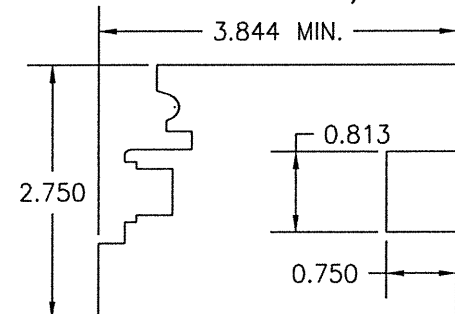
TOP RAIL & LOCK STILE
(OPERABLE PANEL)
(APPLICABLE WITH GLASS OR WOOD PANEL)



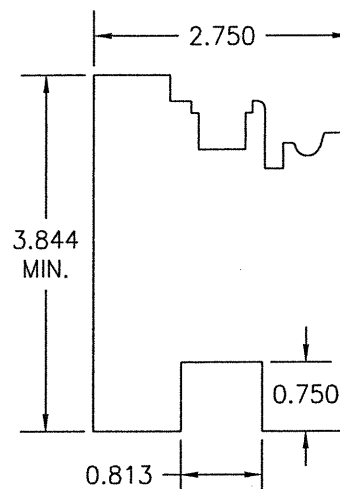
TOP RAIL & STILE
(FIXED PANEL)
TOP RAIL, BOTTOM RAIL & STILE
(TRANSOM)
(APPLICABLE WITH GLASS OR WOOD PANELS)



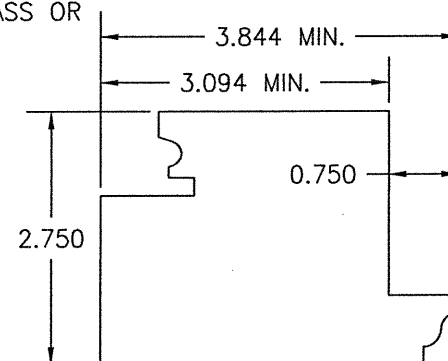
ACTIVE PANEL MEETING STILE
(APPLICABLE WITH GLASS OR WOOD PANELS)



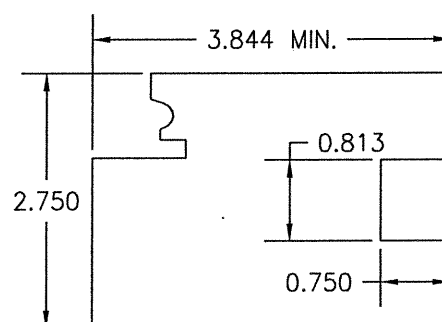
OPTIONAL ACTIVE PANEL MEETING STILE
(APPLICABLE ONLY WITH WOOD PANELS)



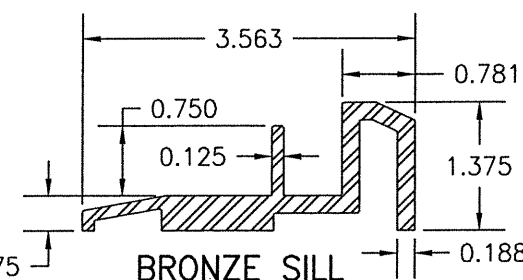
OPTIONAL TOP RAIL & LOCK STILE
(OPERABLE PANEL)
(APPLICABLE ONLY WITH WOOD PANELS)



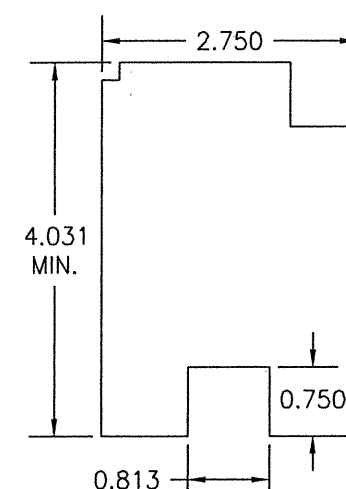
HINGE STILE
(APPLICABLE WITH GLASS OR WOOD PANELS)



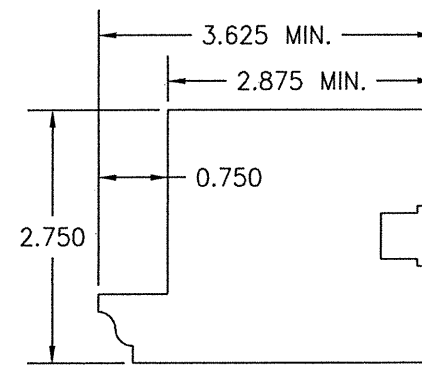
OPTIONAL HINGE STILE
(APPLICABLE ONLY WITH WOOD PANELS)



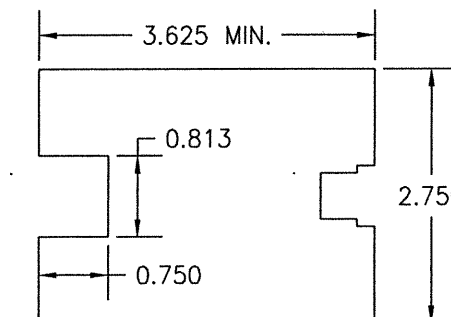
BRONZE SILL



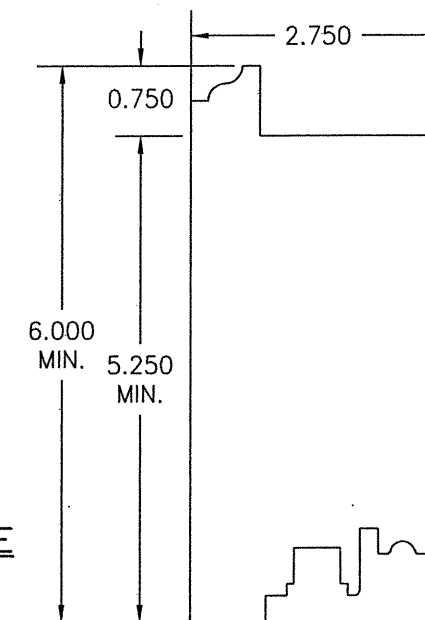
OPTIONAL TOP RAIL & STILE
(FIXED PANEL)
(APPLICABLE ONLY WITH WOOD PANELS)



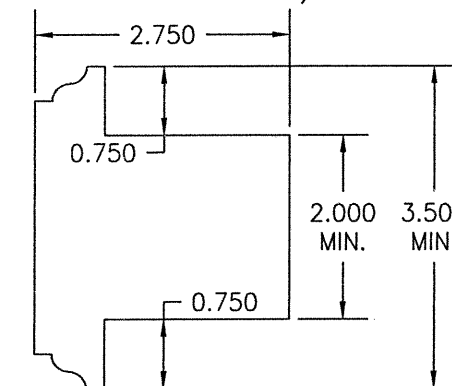
INACTIVE PANEL MEETING STILE
(APPLICABLE WITH GLASS OR WOOD PANELS)



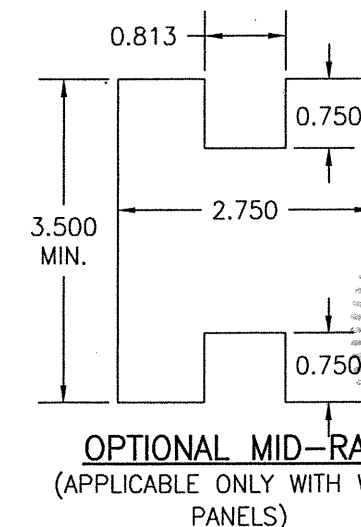
OPTIONAL INACTIVE PANEL MEETING STILE
(APPLICABLE ONLY WITH WOOD PANELS)



BOTTOM RAIL
(OPERABLE PANEL)
(APPLICABLE WITH GLASS OR WOOD PANEL)



MID-RAIL
(APPLICABLE WITH GLASS OR WOOD PANELS)



OPTIONAL MID-RAIL
(APPLICABLE ONLY WITH WOOD PANELS)

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CERTIFICATION WARREN W. SCHAEFER P.E. NO. 44135		DRAWING NO. 2001	
SHEET NO. 10		REV. OF 10	