

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.

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: LEFT SIDE MAY USE THE FRAME SCREW METHOD WHILE THE HEAD & OTHER SIDE USES THE NAIL FIN METHOD)

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN 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 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2" ←
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
HINGE & HEAD LOCK STRIKE SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2" ←
SILL SHOOT BOLT CUP AND SILL RECEPTACLE 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. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"
SIDE JAMB HOOK & LATCH STRIKE SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"
INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) NAILING FIN FASTENERS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/4"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

CMU IS APPLICABLE AT SIDES ONLY

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GENERAL NOTES:

- THIS PRODUCT HAS BEEN TESTED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- ALL FRAME ANCHORS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- 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.
- IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
- 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.
- 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 Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
- 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.
- WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.
- 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.
- 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.
- 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 AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC REQUIREMENTS.

WOOD USED IN THE TESTED DOORS WAS DOUGLAS FIR WITH A SPECIFIC GRAVITY OF G = 0.49 AND A MODULUS OF ELASTICITY OF E = 1,600,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.49 AND MODULUS OF ELASTICITY OF 1,600,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY C.P. LOEWEN ENTERPRISES TO SELECT.

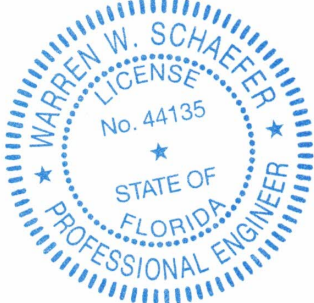
LOCK QUANTITY REQUIREMENTS		
ALL DOORS		
FRAME HEIGHT	QUANTITY PER PANEL	
ACTIVE PANEL		
OVER 91 3/4"	6	
UP TO 91 3/4"	5	
INACTIVE PANEL		
ALL HEIGHTS	2	
NOTE: ACTIVE PANEL LOCK POINTS CONSIST OF ONE EACH TOP & BOTTOM SHOOT BOLTS, SIDE HOOK BOLTS (2 OR 3 DEPENDING ON DOOR HEIGHT) & LATCH/DEADBOLT. INACTIVE PANEL LOCK POINTS CONSIST OF TOP & BOTTOM SHOOT BOLTS.		

HINGE REQUIREMENTS		
RECTANGULAR DOORS		
FRAME HEIGHT	QUANTITY PER PANEL	
OVER 94 1/2"	5	
UP TO 94 1/2"	4	
CENTERLINE OF HINGES SHALL BE LOCATED APPROXIMATELY 10.5" FROM TOP & BOTTOM PANEL CORNERS AND EQUALLY SPACED BETWEEN.		

HINGE REQUIREMENTS		
RADIUS TOP DOORS		
HEIGHT TO PANEL SPRING LINE	QUANTITY PER PANEL	
OVER 85"	5	
OVER 85"	4	
47" TO 85"	3	
CENTERLINE OF HINGES SHALL BE LOCATED APPROXIMATELY 10.5" FROM BOTTOM OF PANEL, APPROXIMATELY 4" BELOW PANEL SPRING LINE AND EQUALLY SPACED BETWEEN.		

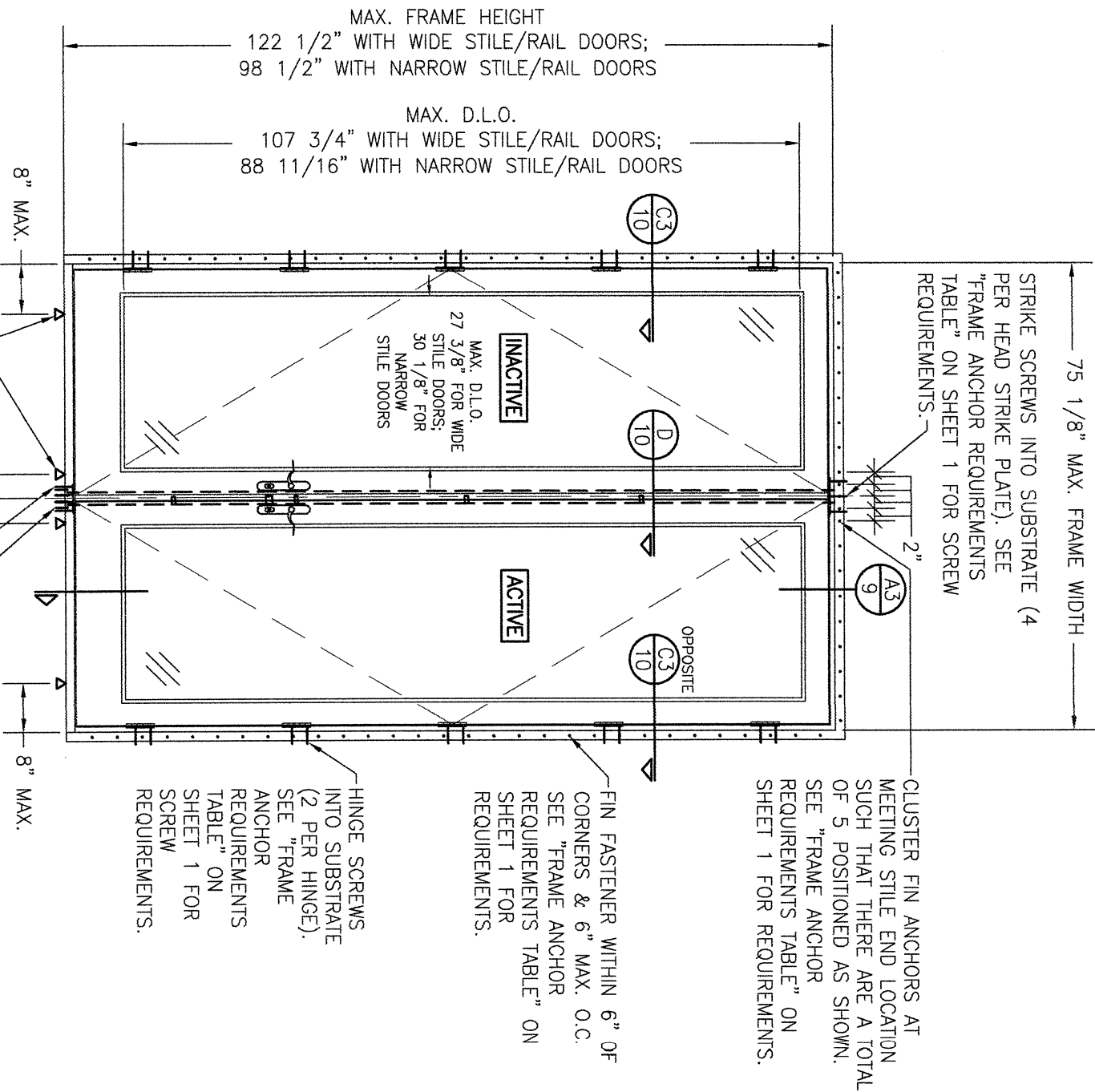
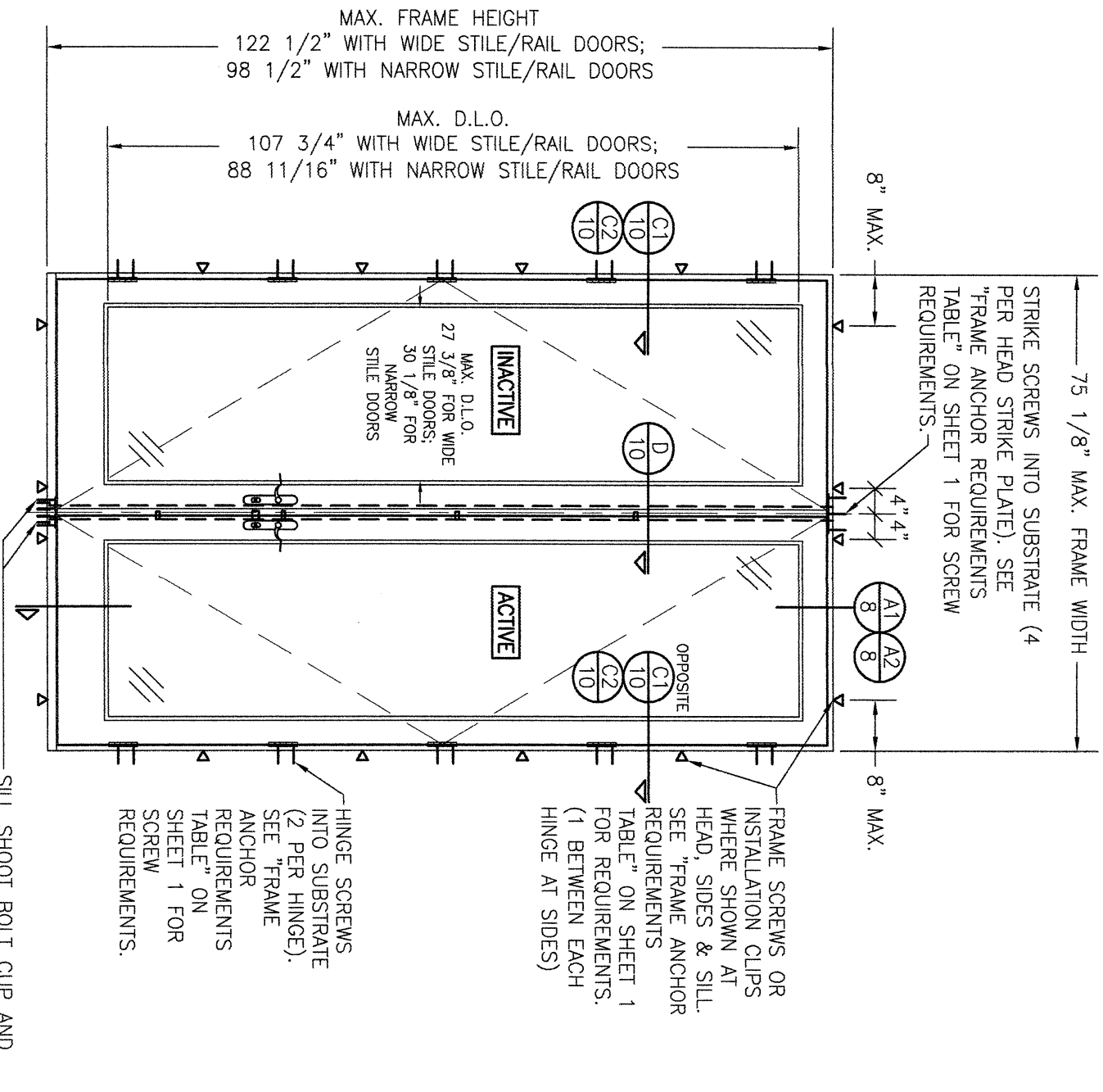
REQUIRED LOCK SYSTEM (ALL DOORS):
HOPE HLS 900 MULTI-POINT HARDWARE (QUANTITY OF LOCK POINTS PER "LOCK REQUIREMENTS TABLE")

Digitally signed
by Warren W
Schaefer
Date:
2025.09.24
12:56:44 -04'00'



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.

DRAWING NO. 2025 REV. B	SHEET NO. 1 OF 13	<u>CERTIFICATION</u> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING TITLE MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS				NO.	REVISION	DESCRIPTION	BY	DATE	PLOT: 1-24 DATE: 09/20/23	DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
			CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424		MANUFACTURER C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 431-305-0888		A1	UPDATE GLASS THICKNESS	W.W.S.	05/27/25				
							B1	ADD SHAPES	W.W.S.	09/15/25				



ALLOWABLE DESIGN PRESSURE (DOUBLE DOORS)		
MAXIMUM FRAME HEIGHT (IN.)	STILE/RAIL TYPE	ALLOWABLE PRESSURE (+/- PSF)
98 1/2	NARROW & WIDE	55.0
122 1/2	WIDE	50.0

MAXIMUM FRAME HEIGHT (IN.)	STILE/RAIL TYPE	ALLOWABLE PRESSURE (+/- PSF)
98 1/2	NARROW & WIDE	55.0
122 1/2	WIDE	50.0

NO.	REVISION	DESCRIPTION	BY	DATE

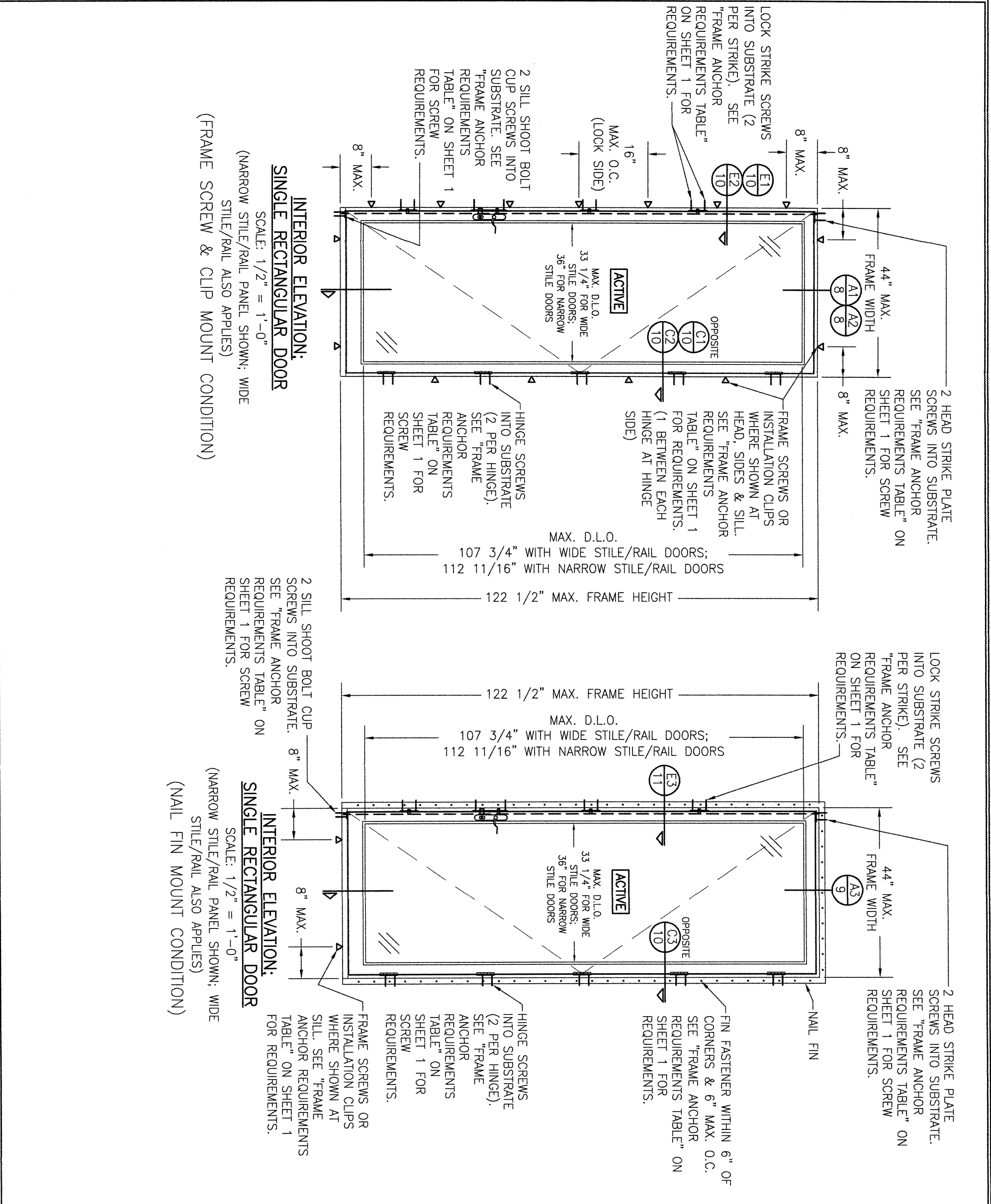
MANUFACTURER
C.P. LOEWEN ENTERPRISES
77 HWY 52 WEST
STEINBACH, MB, CANADA R5G 1B2
431-305-0888

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
25601 AYSEN DRIVE
PUNTA GORDA, FL 33983
PHONE: 561-744-3424

CERTIFICATION
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

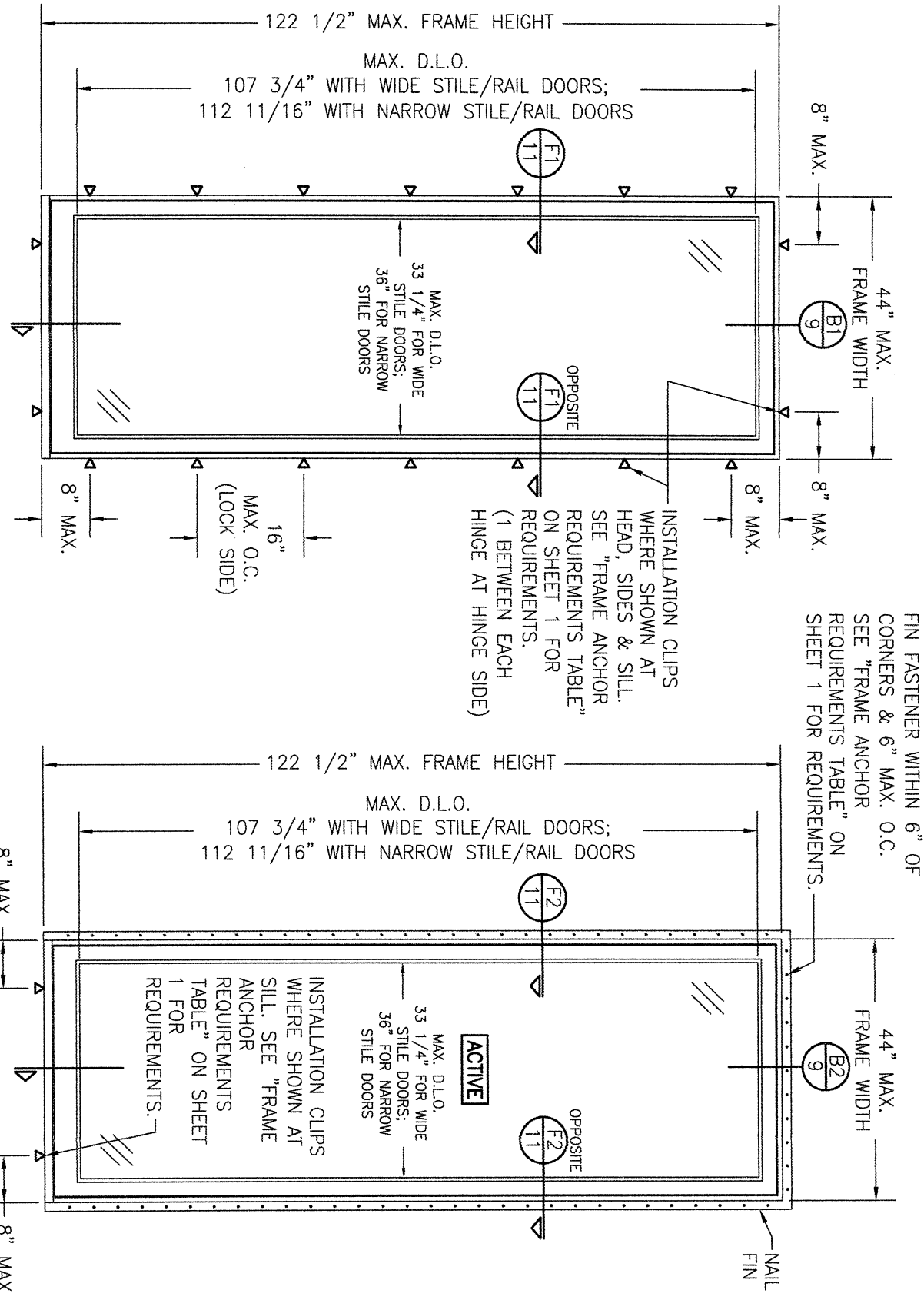
DRAWING TITLE
MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS

DRAWING NO. **2025** REV. **B**
SHEET NO. **2** OF **13**



ALLOWABLE SINGLE SWING & FIXED PANEL DOOR PRESSURE TABLE			
MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM FRAME WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	
122 1/2	44	55.0	
	41	59.0	
	38	63.7	
	35	69.1	
	32	75.0	
116 1/2	44	57.8	
	41	62.1	
	38	67.0	
	35	72.7	
110 1/2	33	75.0	
	44	61.0	
	41	65.4	
	38	70.6	
104 1/2	35 3/4	75.0	
	44	64.5	
	41	69.2	
98 1/2	37 3/4	75.0	
	44	68.4	
	41	73.4	
91 3/4	40	75.0	
	44	75.0	

1. DOOR SIZES SHOWN ARE MAXIMUM SIZES. SMALLER SIZES SHALL APPLY TO LOADS EQUAL TO THE NEAREST LARGER SIZE SHOWN IN TABLE.



**INTERIOR ELEVATION:
SINGLE RECTANGULAR FIXED
PANEL DOOR**

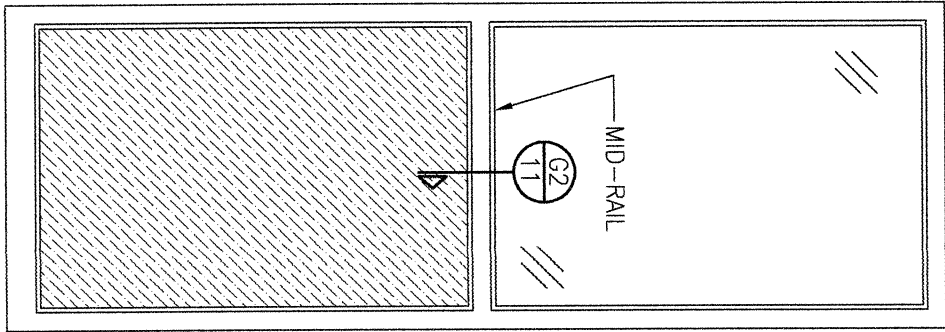
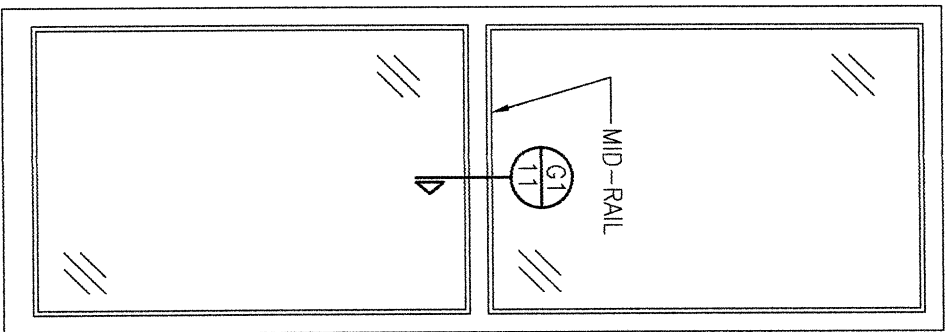
SCALE: 1/2" = 1'-0"
(NARROW STILE/RAIL PANEL SHOWN; WIDE
STILE/RAIL ALSO APPLIES)
(CLIP MOUNT CONDITION)

**ALLOWABLE DESIGN PRESSURE
(FIXED PANEL DOORS)**

SEE PRESSURE TABLE ON SHEET 3

**INTERIOR ELEVATION:
SINGLE RECTANGULAR FIXED
PANEL DOOR**

SCALE: 1/2" = 1'-0"
(NARROW STILE/RAIL PANEL SHOWN; WIDE
STILE/RAIL ALSO APPLIES)
(NAIL FIN MOUNT CONDITION)



OPTIONAL PANEL CONDITIONS

- OPTIONAL PANEL NOTES:
1. NARROW STILE/RAIL CONDITION IS SHOWN. WIDE STILE/RAIL CONDITION ALSO APPLIES.
 2. THE NUMBER OF HORIZONTAL MID-RAILS IN A PANEL ARE UNLIMITED.
 3. POSITION OF MID-RAIL MAY BE AT ANY HEIGHT WITHIN THE PANEL.
 4. VERTICAL MID-RAILS ARE NOT APPLICABLE TO THIS APPROVAL.
 5. PARTIAL CLAD WOOD PANEL CONDITION IS SHOWN. FULL CLAD WOOD PANEL CONDITION ALSO APPLIES.
 6. THERE MAY BE MULTIPLE CLAD WOOD PANELS WITHIN ONE DOOR PANEL.

NO.		REVISION	DESCRIPTION	BY	DATE	PLOT: 1=24		DRAWN BY: W.M.S.	CHECKED BY: W.M.S.

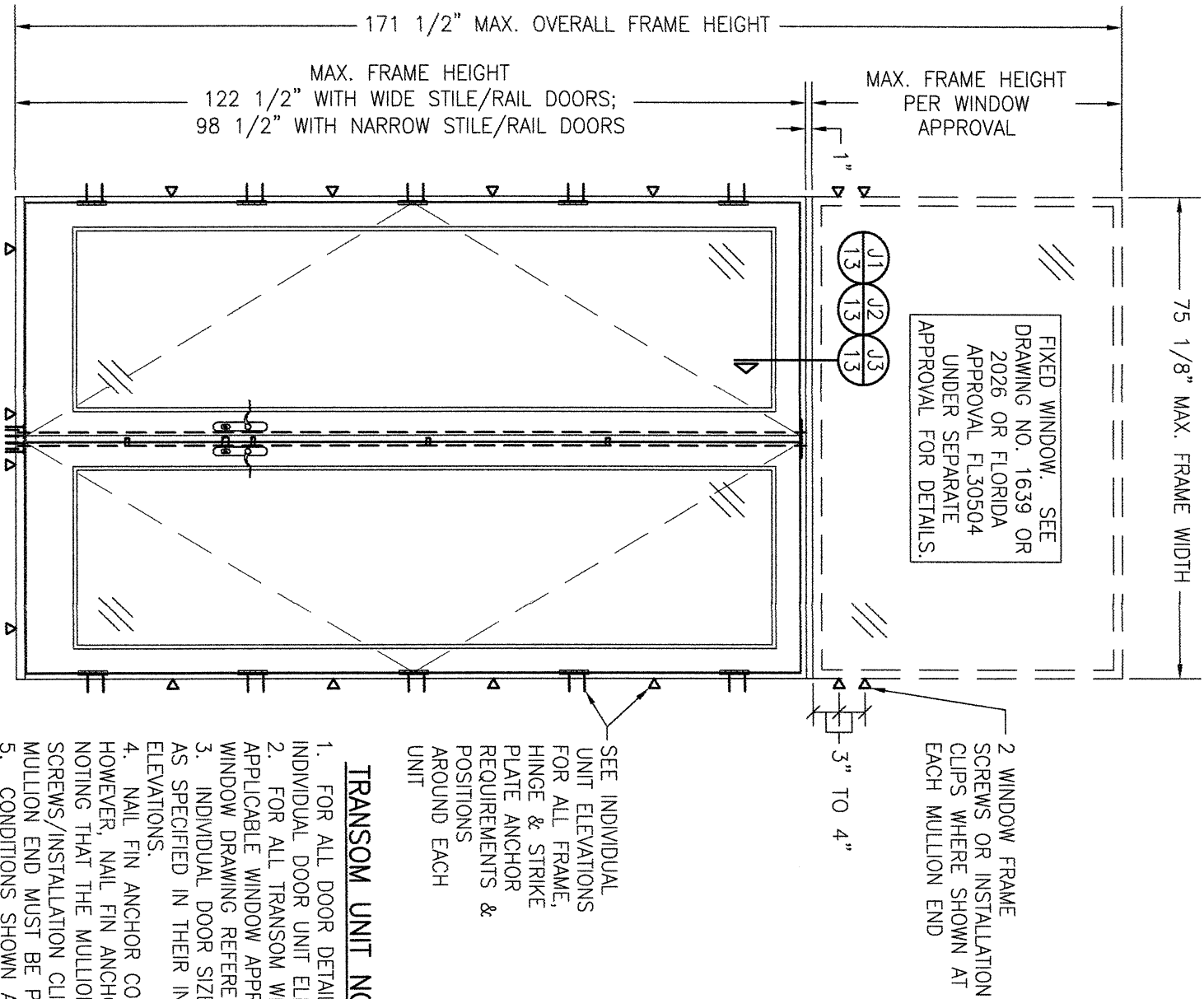
MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS

CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 431-305-0888

CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	REV.
2025	B
SHEET NO.	4 OF 13



SEE INDIVIDUAL
UNIT ELEVATIONS
FOR ALL FRAME,
HINGE & STRIKE
PLATE ANCHOR
REQUIREMENTS &
POSITIONS
AROUND EACH
UNIT

TRANSOM UNIT NOTES:

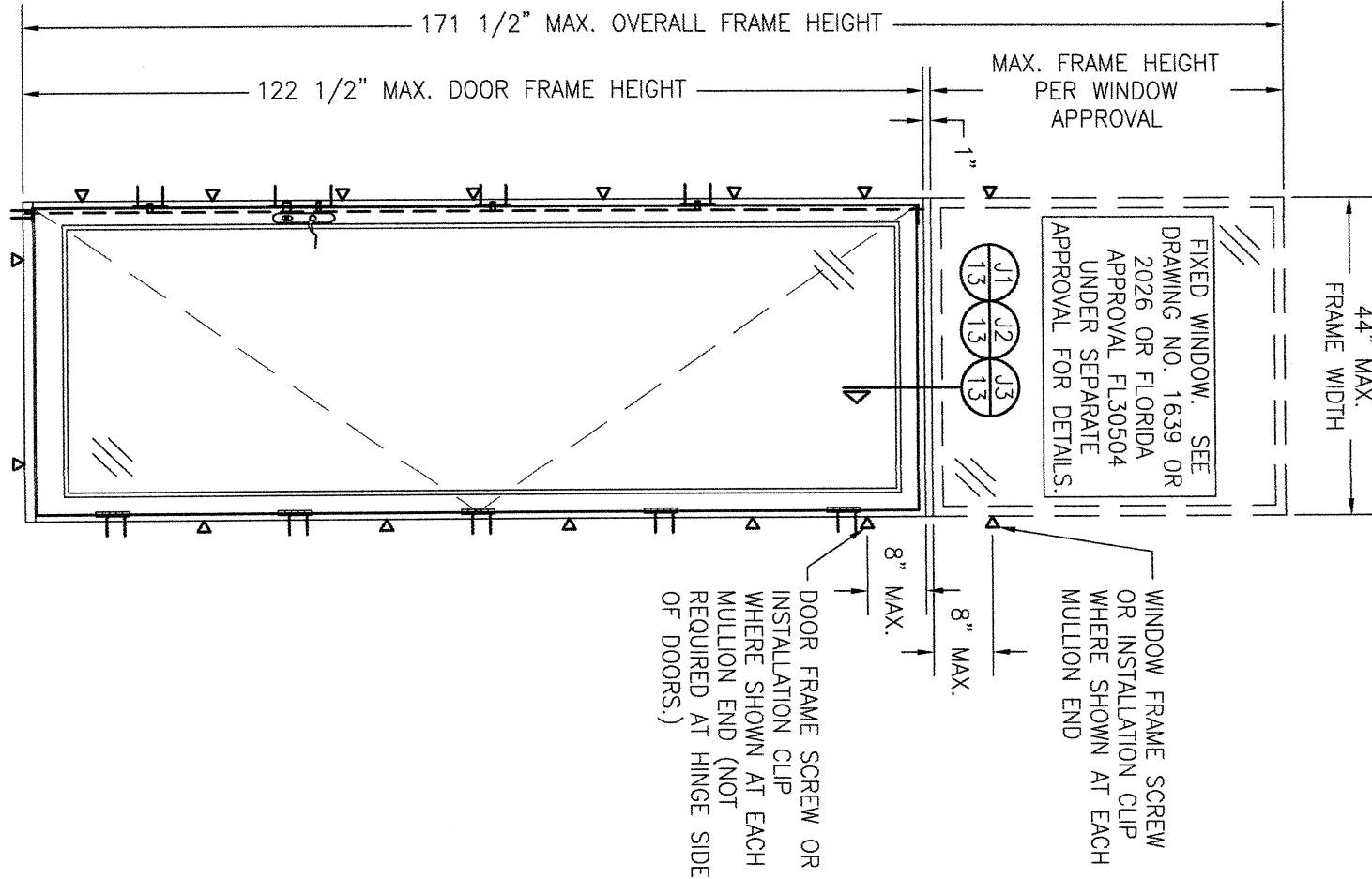
1. FOR ALL DOOR DETAIL NOT SHOWN, SEE INDIVIDUAL DOOR UNIT ELEVATIONS.
2. FOR ALL TRANSOM WINDOW DETAIL, SEE THE APPLICABLE WINDOW APPROVAL THAT HOLDS THE WINDOW DRAWING REFERENCED.
3. INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THEIR INDIVIDUAL UNIT ELEVATIONS.
4. NAIL FIN ANCHOR CONDITION IS NOT SHOWN. HOWEVER, NAIL FIN ANCHORING DOES APPLY NOTING THAT THE MULLION END SCREWS/INSTALLATION CLIPS SHOWN AT EACH MULLION END MUST BE PLACED.
5. CONDITIONS SHOWN APPLY TO BOTH WIDE STILE AND NARROW STILE DOORS.

INTERIOR ELEVATION:
DOUBLE DOOR WITH TRANSOM UNIT

SCALE: 1/2" = 1'-0"
(FRAME SCREW & CLIP MOUNT CONDITION SHOWN, NAIL FIN
INSTALLATION ALSO APPLIES PER TRANSOM UNIT NOTE 4)

ALLOWABLE DESIGN PRESSURE
(DOUBLE DOORS WITH TRANSOM)

MAX. DOOR FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)
98 1/2	55.0
122 1/2	50.0



WINDOW FRAME SCREW
OR INSTALLATION CLIP
WHERE SHOWN AT EACH
MULLION END

8" MAX.

8" MAX.

DOOR FRAME SCREW OR
INSTALLATION CLIP
WHERE SHOWN AT EACH
MULLION END (NOT
REQUIRED AT HINGE SIDE
OF DOORS.)

INTERIOR ELEVATION:
SINGLE SWING OR FIXED PANEL DOOR WITH
TRANSOM UNIT

SCALE: 1/2" = 1'-0"
(FRAME SCREW & CLIP MOUNT CONDITION SHOWN, NAIL FIN
INSTALLATION ALSO APPLIES PER TRANSOM UNIT NOTE 4)
(SWING DOOR SHOWN. FIXED PANEL DOOR ALSO APPLIES)

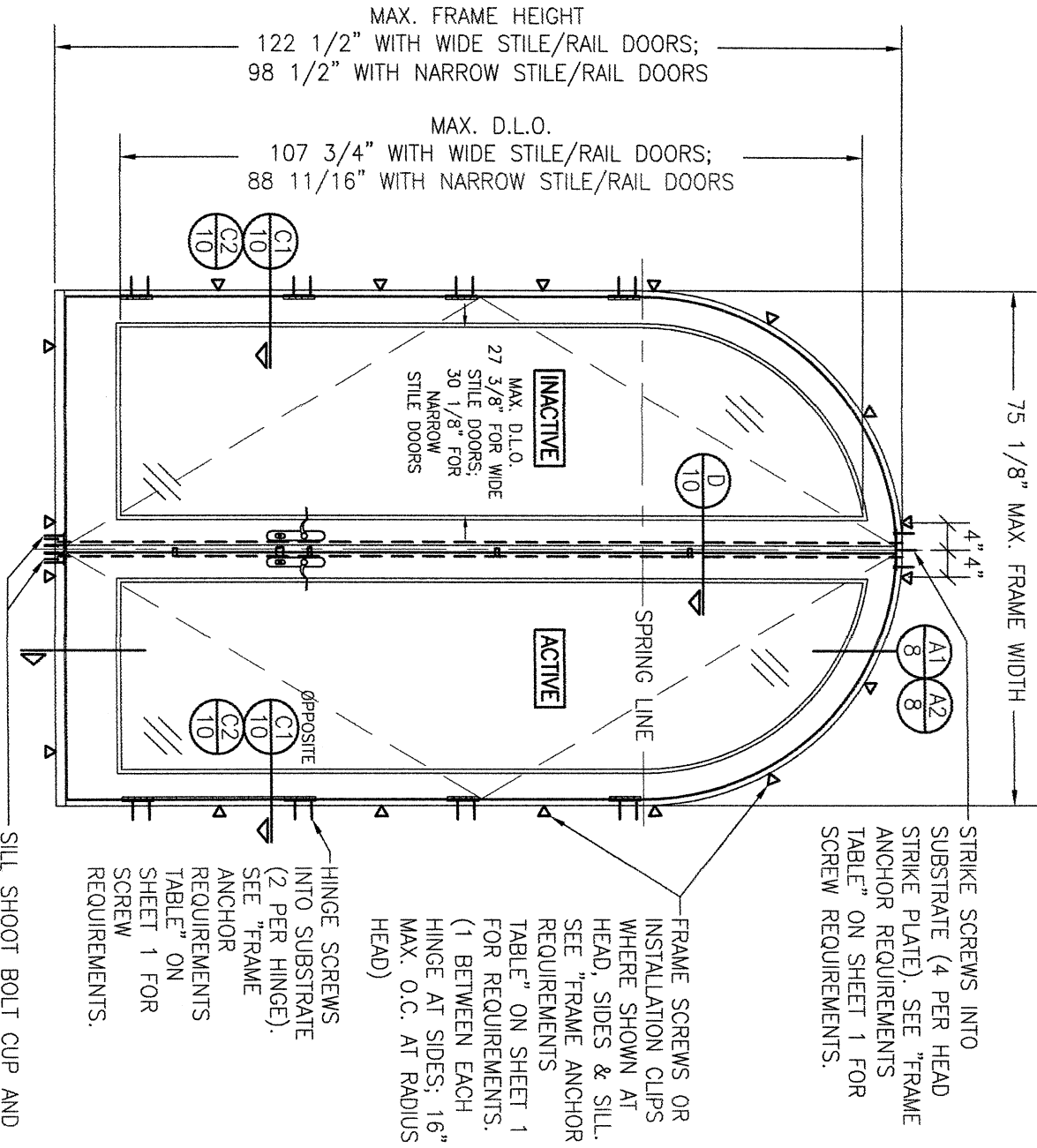
ALLOWABLE DESIGN PRESSURE
(SINGLE DOOR WITH TRANSOM)

+/-75 PSF

NO.	REVISION	DESCRIPTION	BY	DATE

DRAWING TITLE	
MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS	
CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	C.P. LOEWEN ENTERPRISES
25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 431-305-0888

CERTIFICATION	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.
2025	B
SHEET NO.	6 OF 13



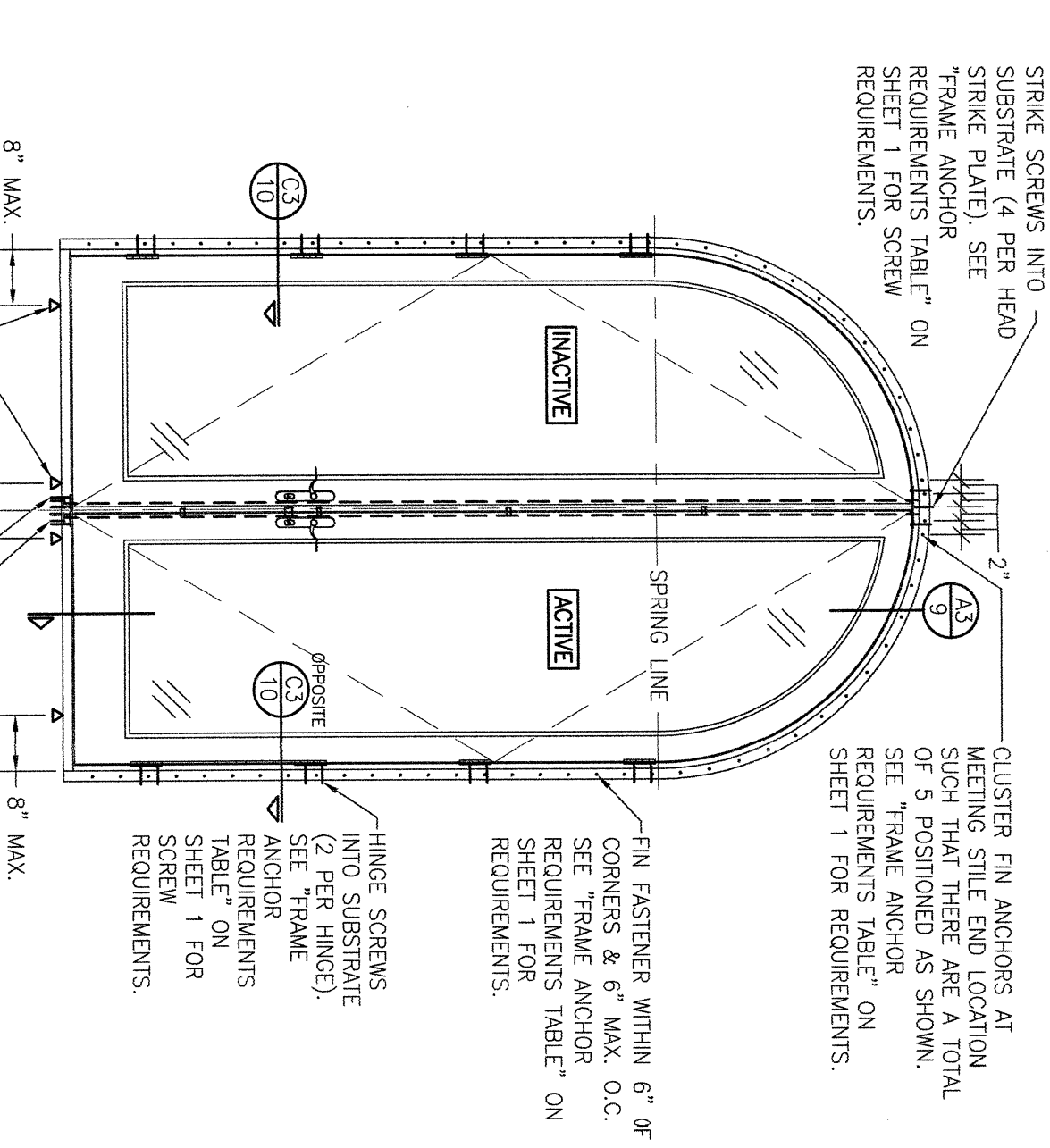
**INTERIOR ELEVATION:
DOUBLE HALF-ROUND TOP DOOR**

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

(WIDE STILE/RAIL PANELS SHOWN; NARROW STILE/RAIL ALSO APPLIES)

(HALF-ROUND TOP SHOWN. OTHER SHAPES SHOWN IN THE SHAPE TABLE ALSO APPLY.)

(FRAME SCREW & CLIP MOUNT CONDITION)



**INTERIOR ELEVATION:
DOUBLE HALF-ROUND TOP DOOR**

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

(WIDE STILE/RAIL PANELS SHOWN; NARROW STILE/RAIL ALSO APPLIES)

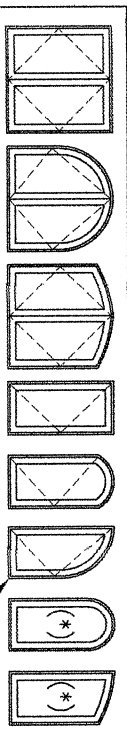
(HALF-ROUND TOP SHOWN. OTHER SHAPES SHOWN IN THE SHAPE TABLE ALSO APPLY.)

(NAIL FIN MOUNT CONDITION)

INSTALLATION REQUIREMENTS FOR SINGLE SHAPE SWING AND FIXED DOORS:

- INSTALLATION OF SINGLE SWING AND FIXED DOORS SHALL BE AS SHOWN WITH THE RECTANGULAR SINGLE DOORS WITH EXCEPTION TO THE FOLLOWING:
1. CLIP AND FRAME SCREW ANCHORS AT THE SHAPED HEAD SHALL BE WITHIN 8" OF CORNERS AND MAX. 16" O.C. BETWEEN.
 2. NAIL FIN ANCHORS AT THE SHAPED HEAD SHALL BE AS REQUIRED AT THE SINGLE RECTANGULAR DOOR HEAD.
 3. FOR A HALF ROUND SINGLE FIXED DOOR, FRAME SCREW AND CLIP ANCHORS SHALL CONTINUE FROM THE SIDES AND WRAP THE HEAD AT THE SAME 16" MAX. O.C.

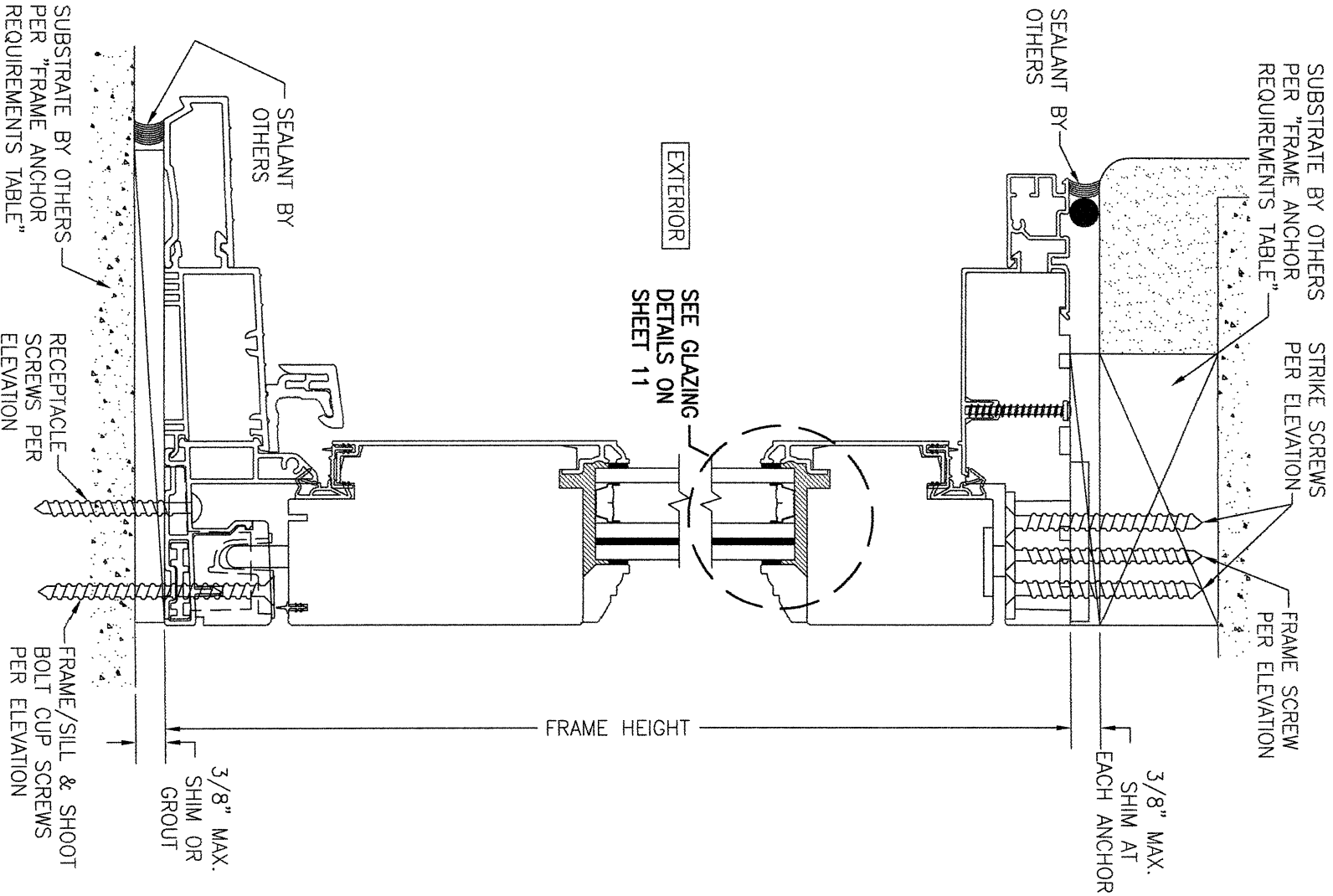
APPROVED SHAPES



- NOTES:**
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO & HAVE CORNER CONSTRUCTION THE SAME AS THOSE SHOWN.
 2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.
 3. THE SHAPES LABELED (*) ARE ONLY APPLICABLE TO FIXED PANEL DOORS (NOT APPLICABLE TO OPERABLE DOORS).

NOTE: QUARTER ROUND SINGLE DOORS ARE NOT APPLICABLE IN THE HVHZ ZONES

FOR DETAIL NOT SHOWN, SEE FRAME SCREW & CLIP MOUNT DOOR ELEVATION

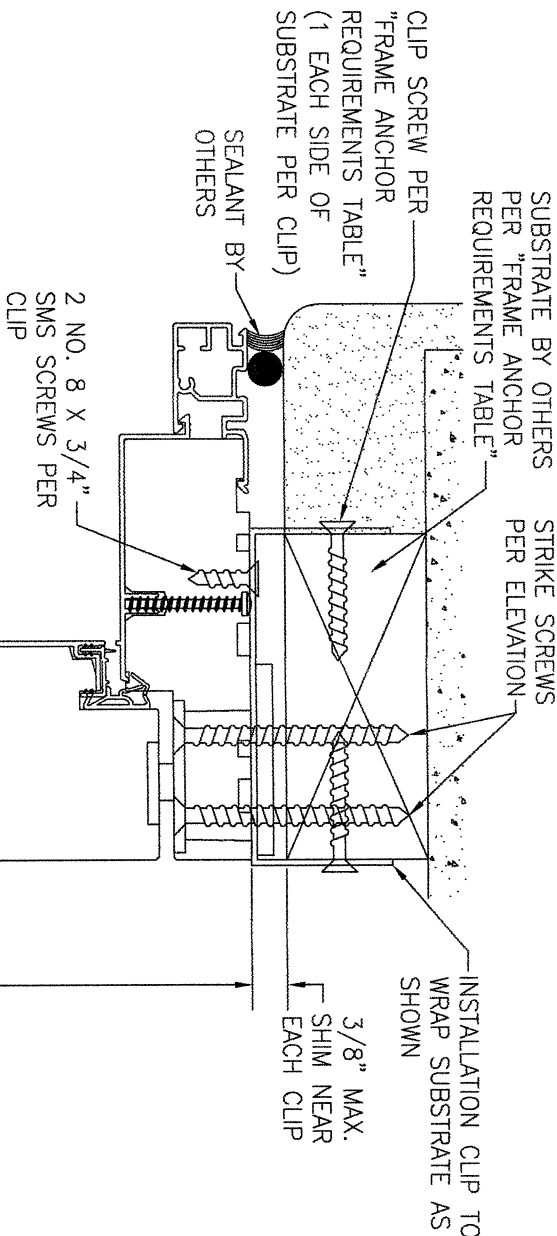


(FRAME SCREW MOUNT)

SCALE: 1/2 FULL
SECTION A1
8

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 13 FOR DIRECT MOUNT DETAIL.

NARROW RAILS ARE SHOWN IN THESE SECTIONS. TALLER RAILS ALSO APPLY & ARE THE SAME PROFILE, EXCEPT TALLER.

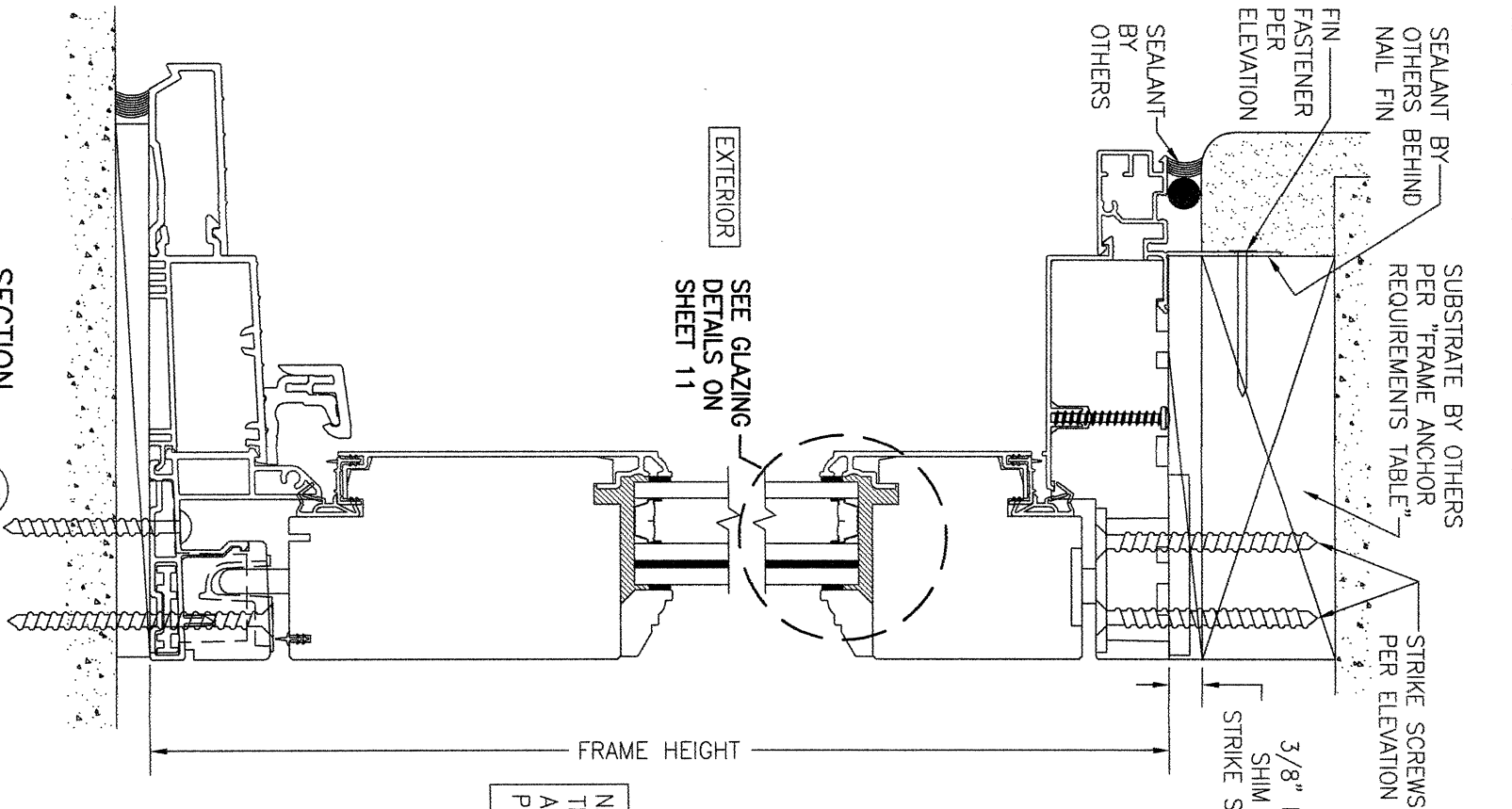


(INSTALLATION CLIP MOUNT)

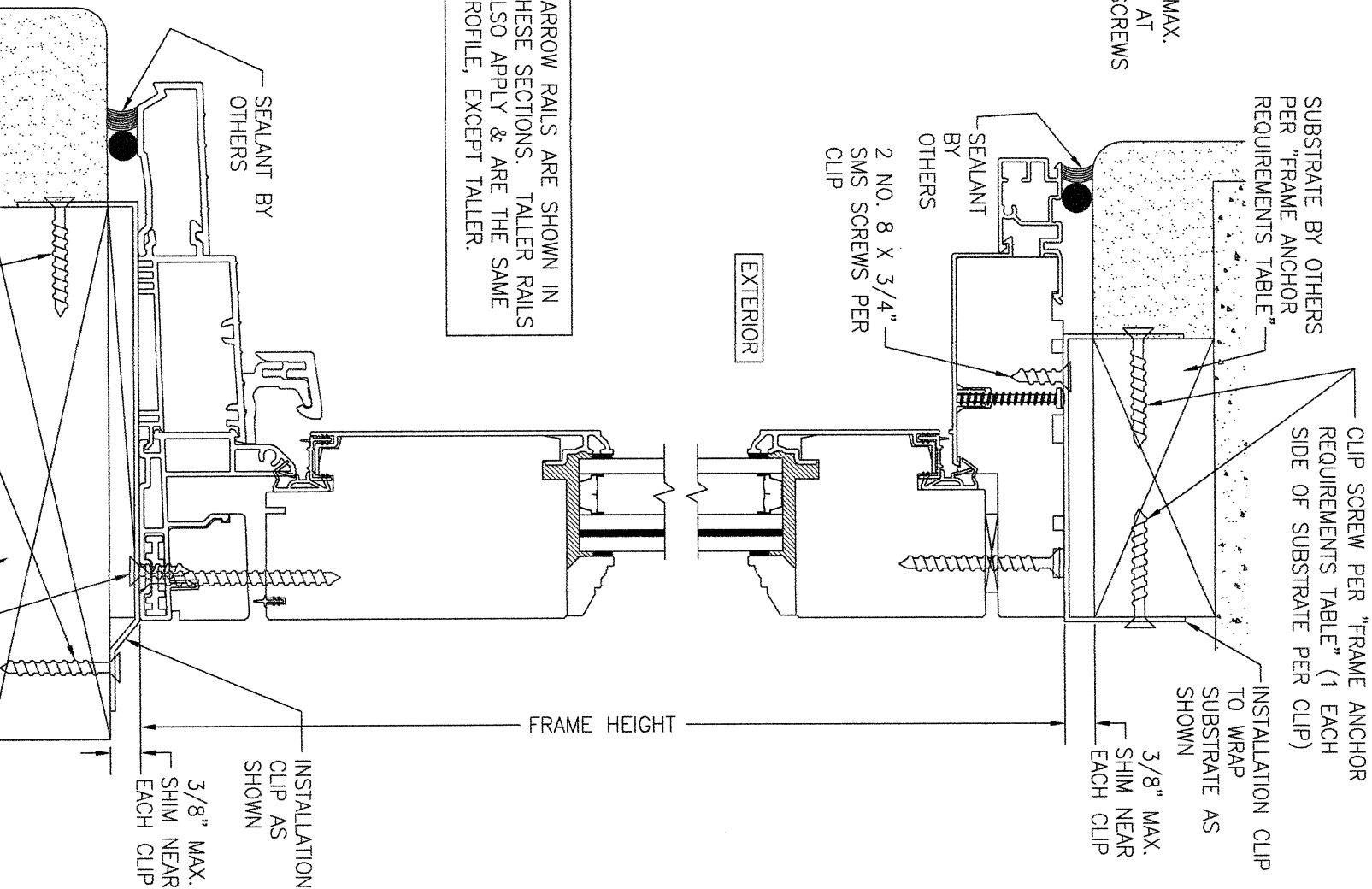
SCALE: 1/2 FULL
SECTION A2
8

CLIP SCREW PER "FRAME ANCHOR REQUIREMENTS TABLE" (1 PER CLIP)
SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"
RECEPTACLE SCREWS PER ELEVATION
SHOOT BOLT CUP SCREWS PER ELEVATION
2 NO. 8 X 3/4" SMS SCREWS PER CLIP
CLIP SCREW PER "FRAME ANCHOR REQUIREMENTS TABLE" (1 PER CLIP)
SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"

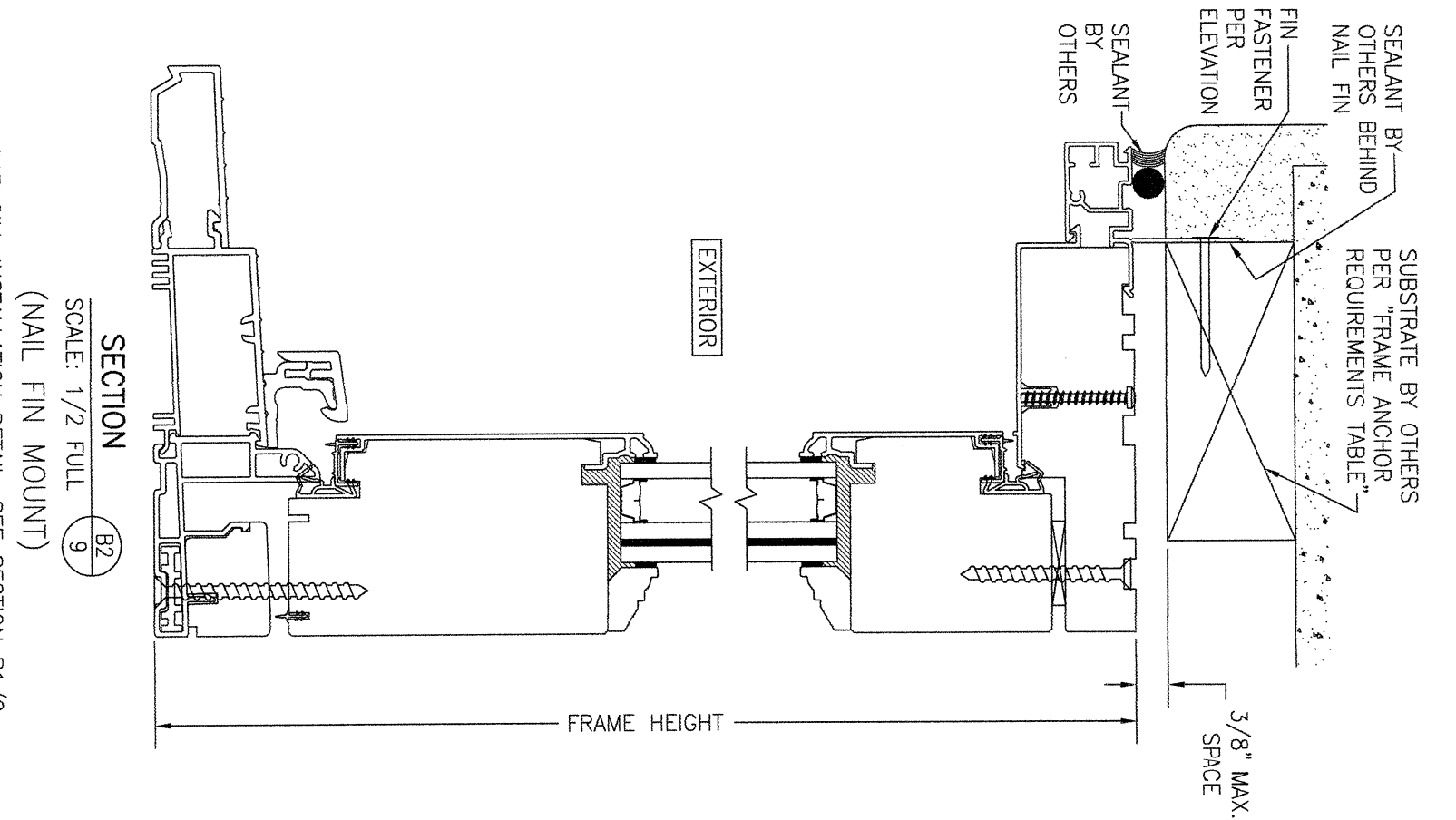
DRAWING NO. 2025 REV. B	SHEET NO. 8 OF 13	CERTIFICATION WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING TITLE MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS		NO. REVISION DESCRIPTION BY DATE				DRAWN BY: W.W.S. CHECKED BY: W.W.S.	
			CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424		MANUFACTURER C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 431-305-0888				DATE: 09/20/23	
									1-2	



SECTION
SCALE: 1/2 FULL
A3
(NAIL FIN MOUNT)
FOR SILL INSTALLATION DETAIL, SEE SECTION A1/8



SECTION
SCALE: 1/2 FULL
B1
(INSTALLATION CLIP MOUNT)

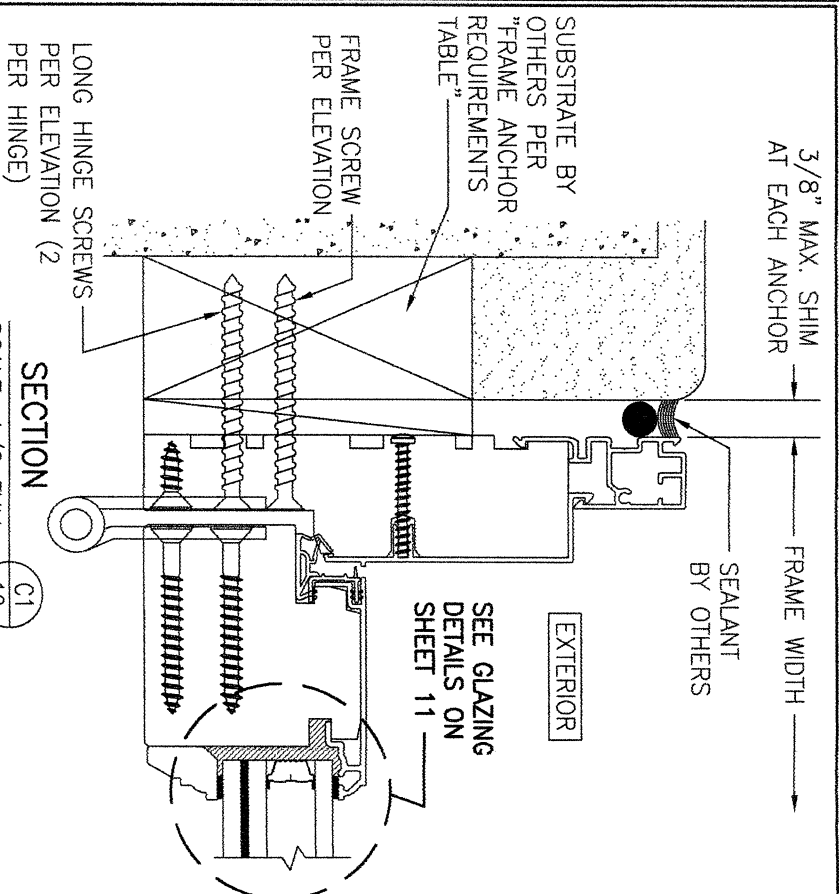


SECTION
SCALE: 1/2 FULL
B2
(NAIL FIN MOUNT)
FOR SILL INSTALLATION DETAIL, SEE SECTION B1/9

NO.	REVISION	DESCRIPTION	BY	DATE
1	2			

DRAWING TITLE	CONSULTANTS	MANUFACTURER
MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 431-305-0888

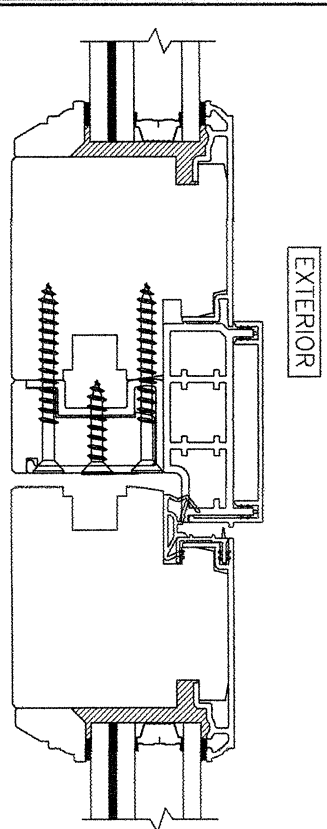
CERTIFICATION	DRAWING NO.	REV.
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	2025	B
	SHEET NO.	9 OF 13



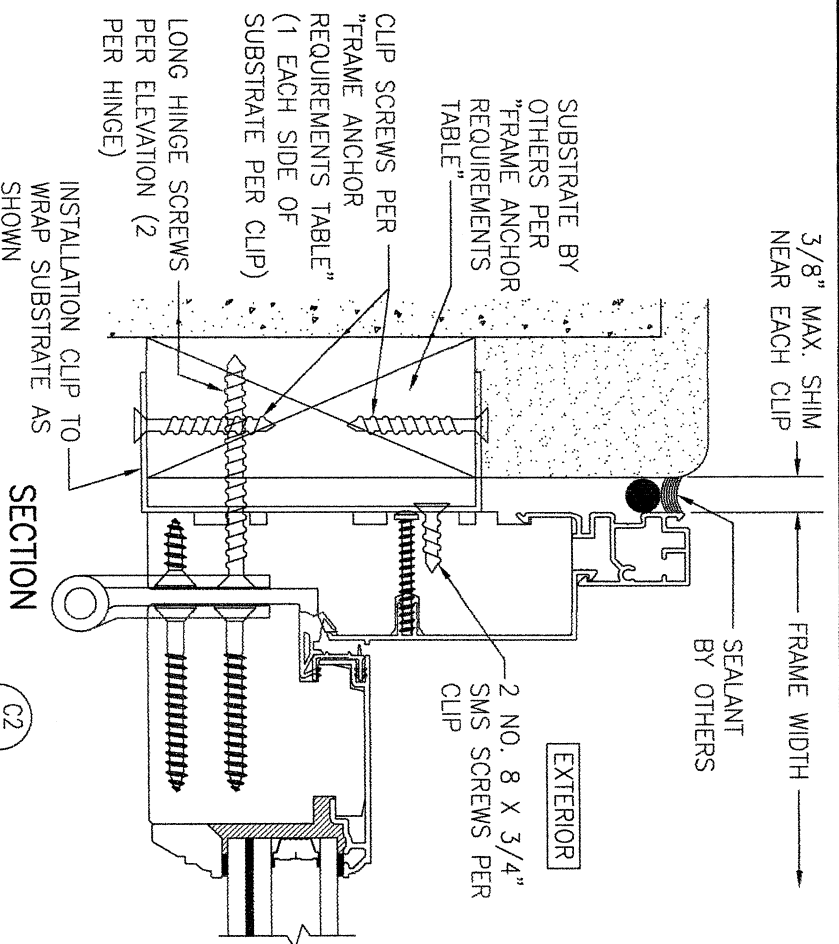
SECTION C1
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 13 FOR DIRECT MOUNT DETAIL.

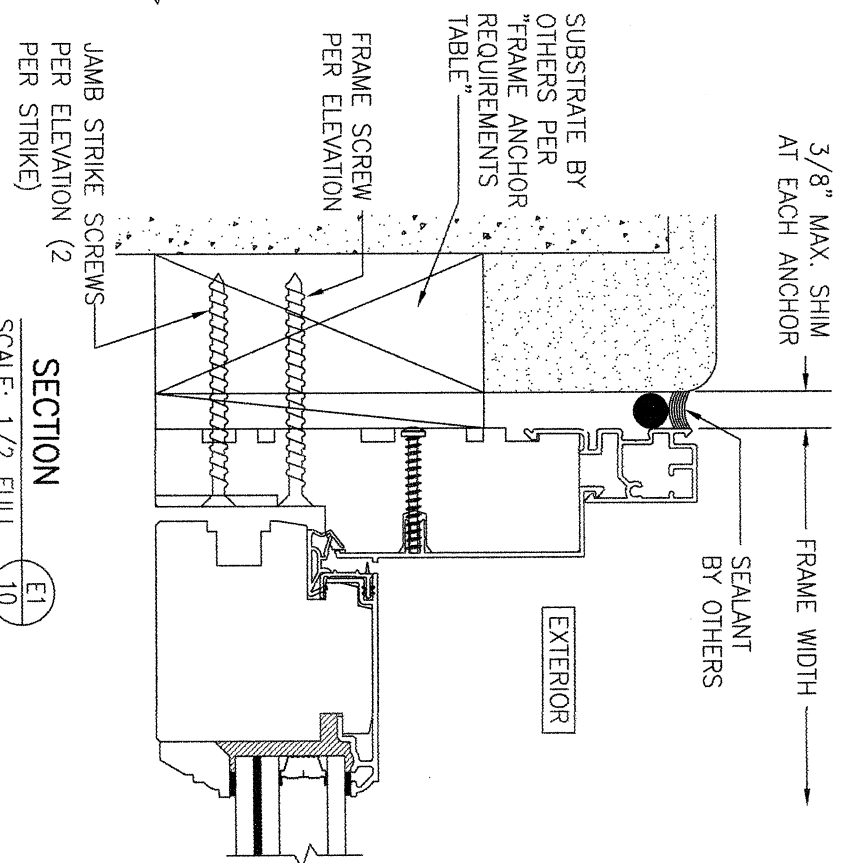
NARROW STILES ARE SHOWN IN THESE SECTIONS. WIDER STILES ALSO APPLY & ARE THE SAME PROFILE, EXCEPT WIDER.



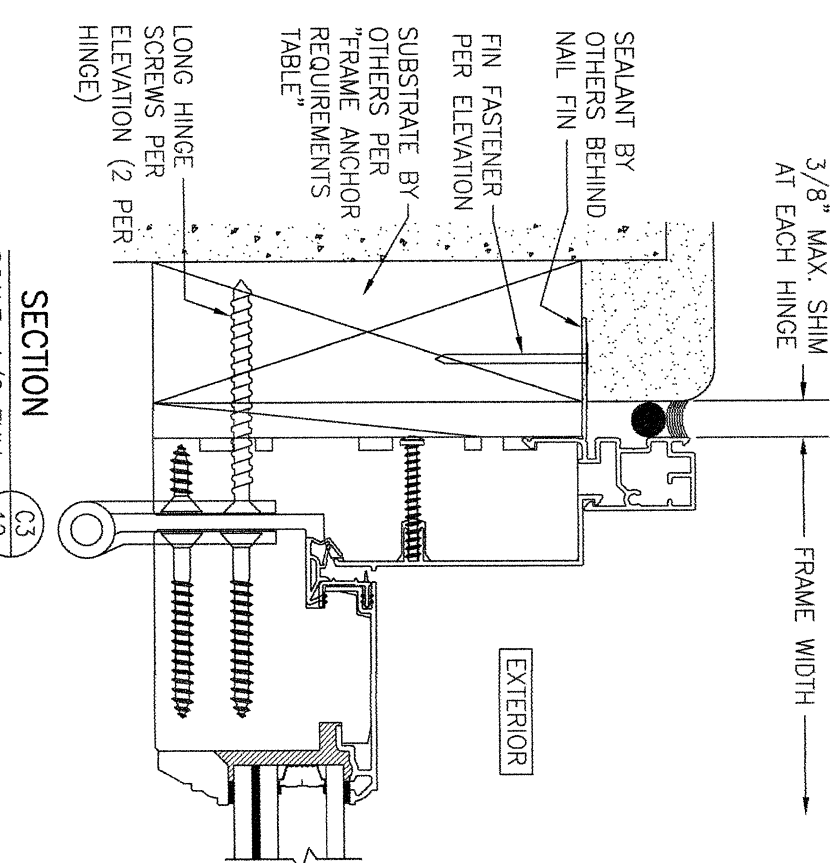
SECTION D
SCALE: 1/2 FULL
10



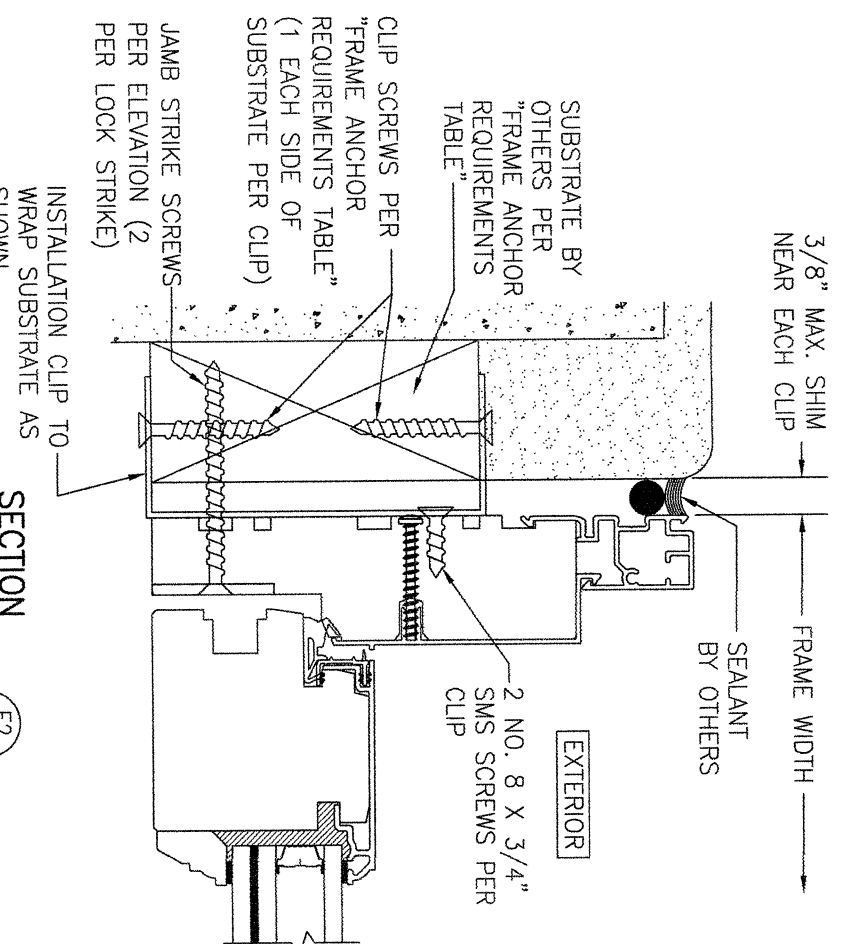
SECTION C2
SCALE: 1/2 FULL
(INSTALLATION CLIP MOUNT)



SECTION E1
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)



SECTION C3
SCALE: 1/2 FULL
(NAIL FIN MOUNT)

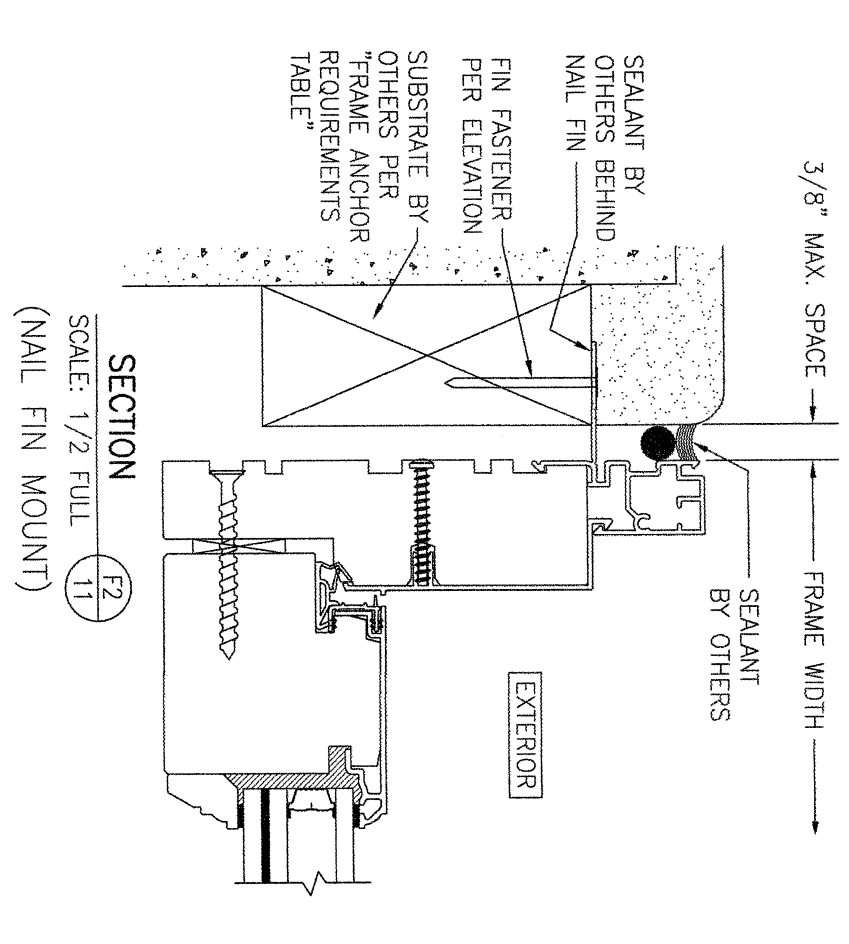
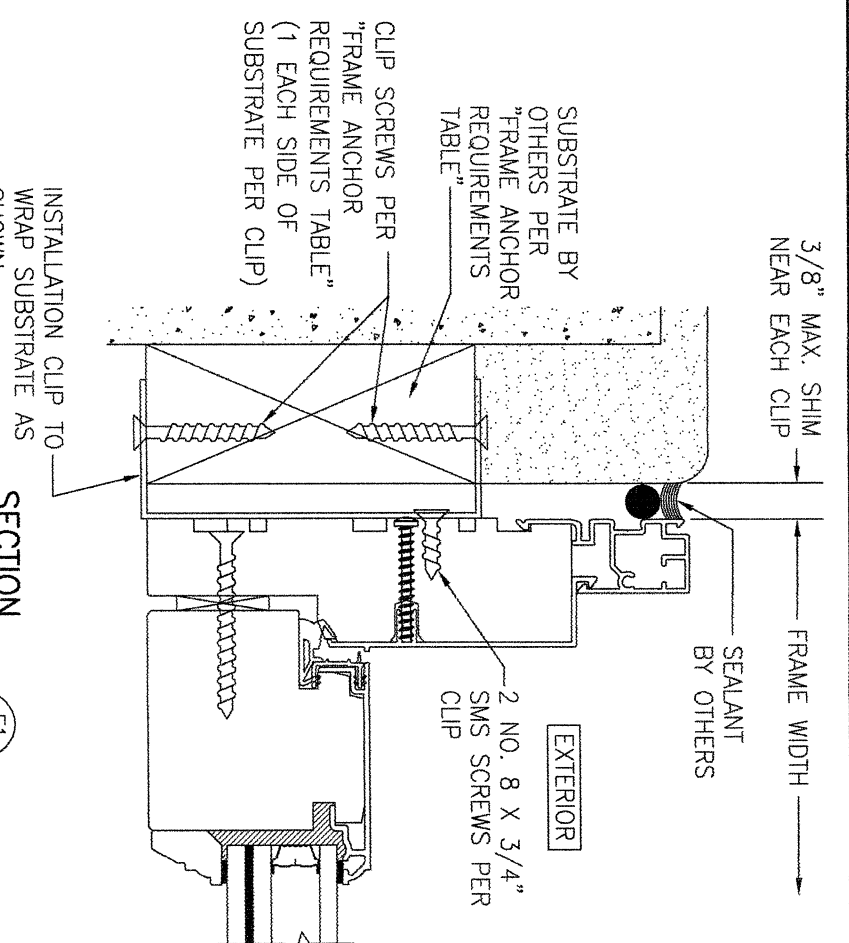
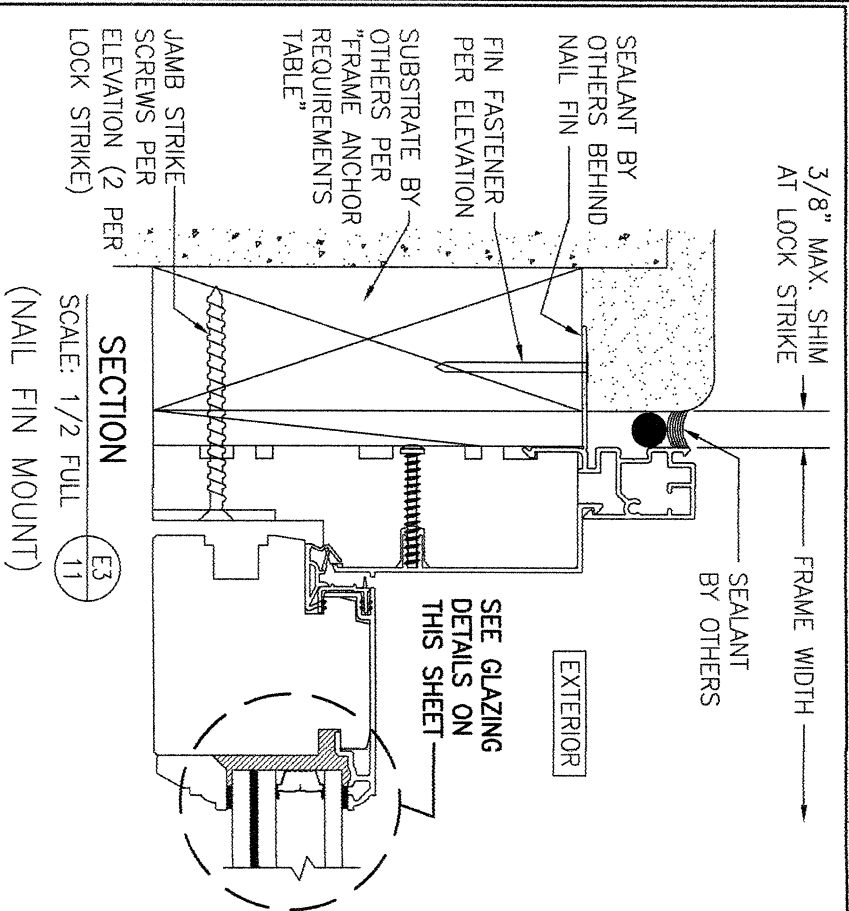


SECTION E2
SCALE: 1/2 FULL
(INSTALLATION CLIP MOUNT)

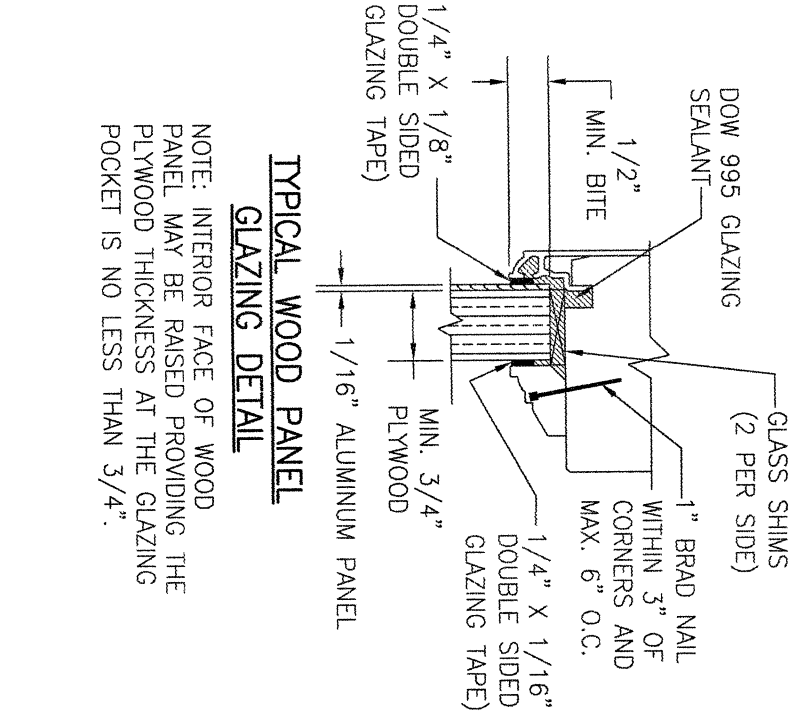
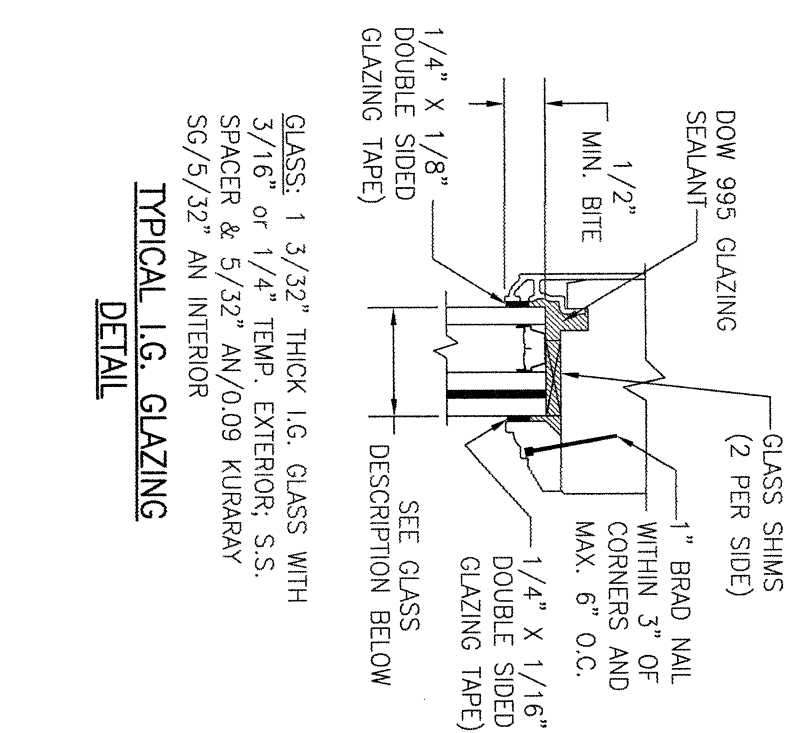
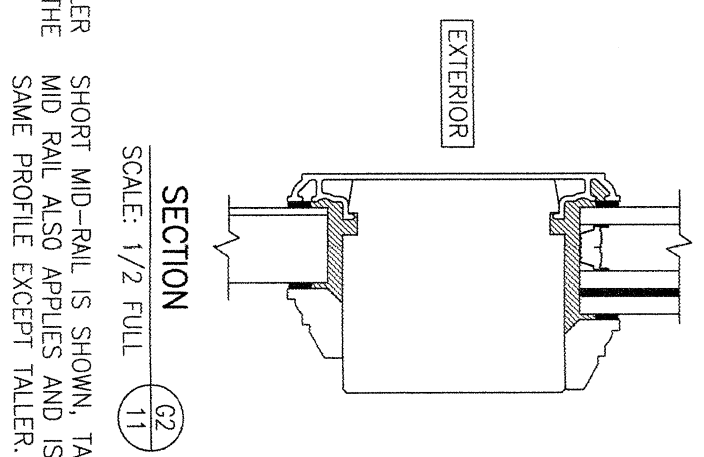
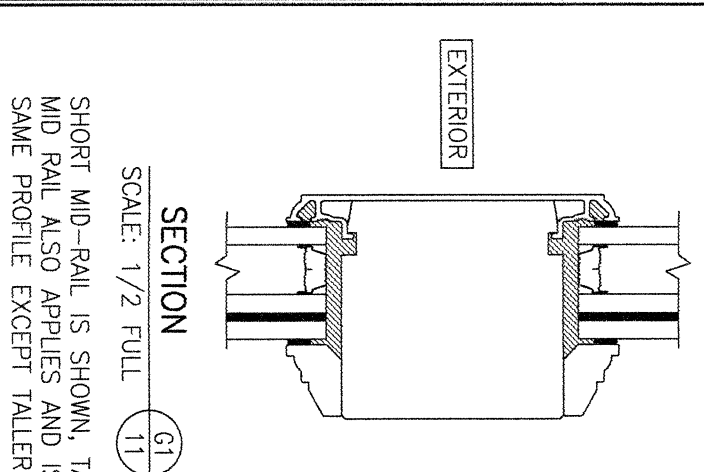
NO.	REVISION	DESCRIPTION	BY	DATE
1	2			

DRAWING TITLE	CONSULTANTS	MANUFACTURER
MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 431-305-0888

CERTIFICATION	DRAWING NO.	REV.	SHEET NO.
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	2025	B	10 OF 13



NARROW STILES ARE SHOWN IN THESE SECTIONS. WIDER STILES ALSO APPLY & ARE THE SAME PROFILE, EXCEPT WIDER.



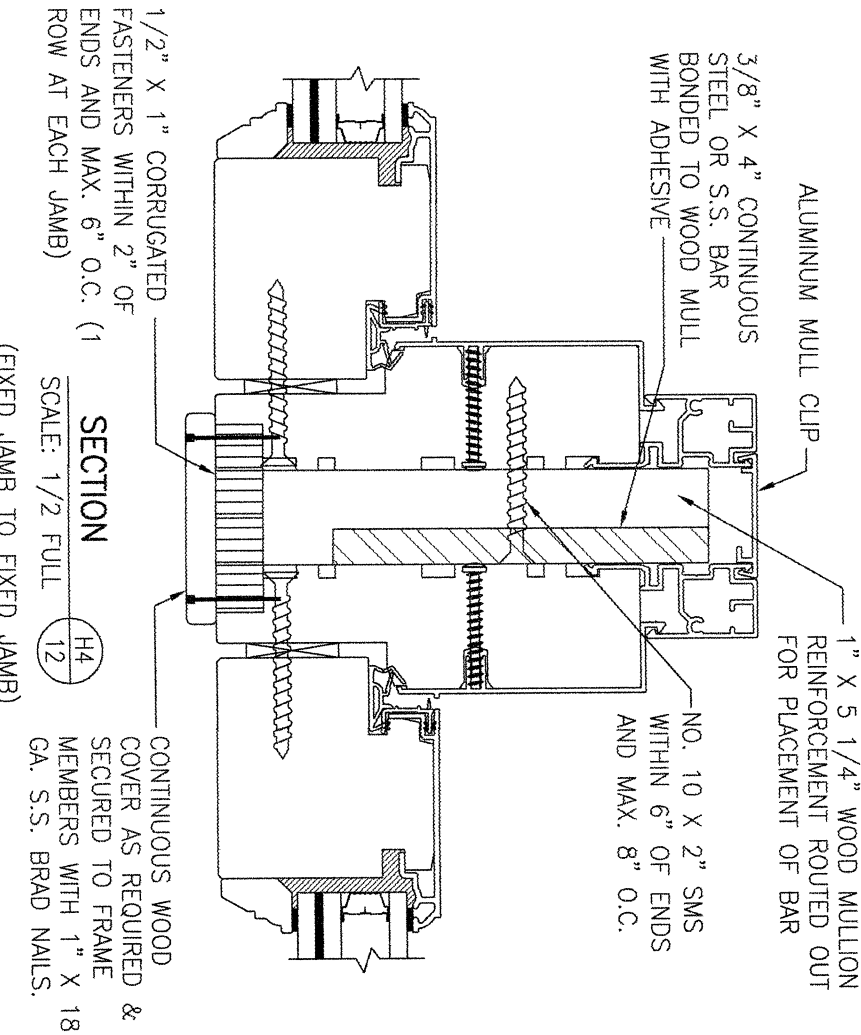
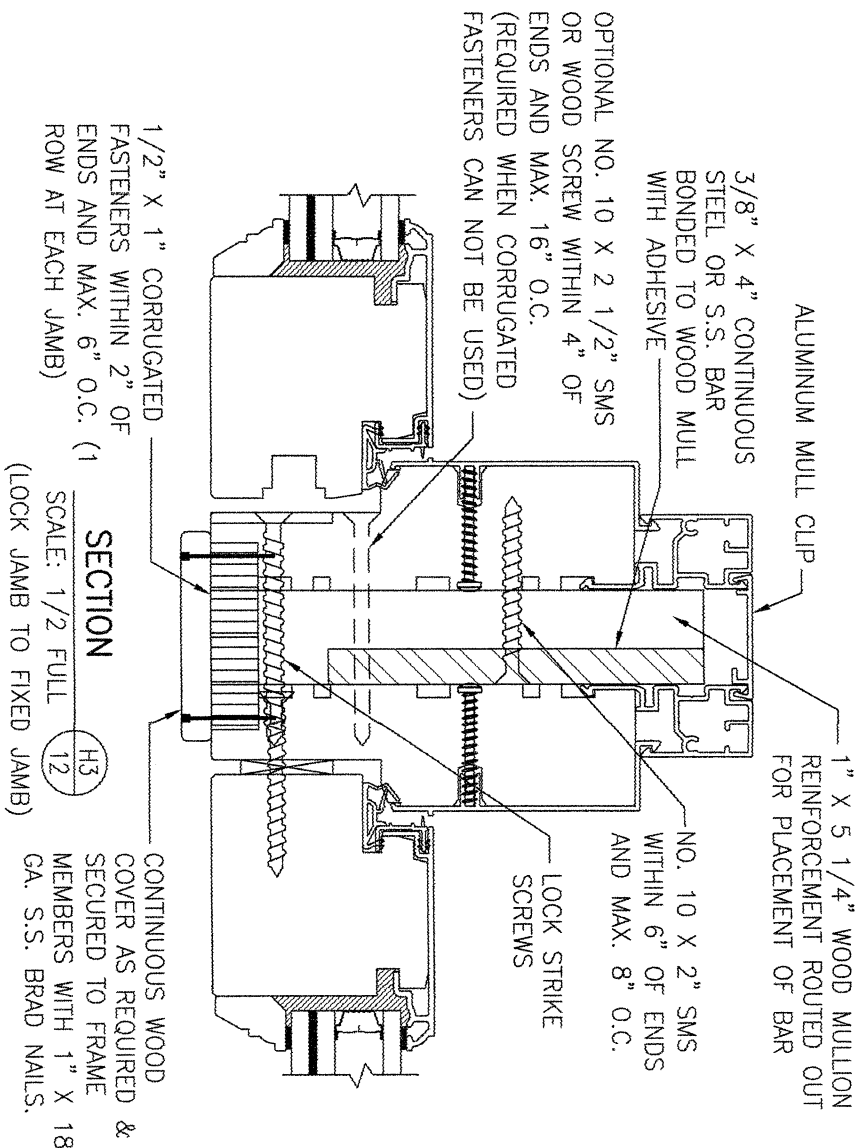
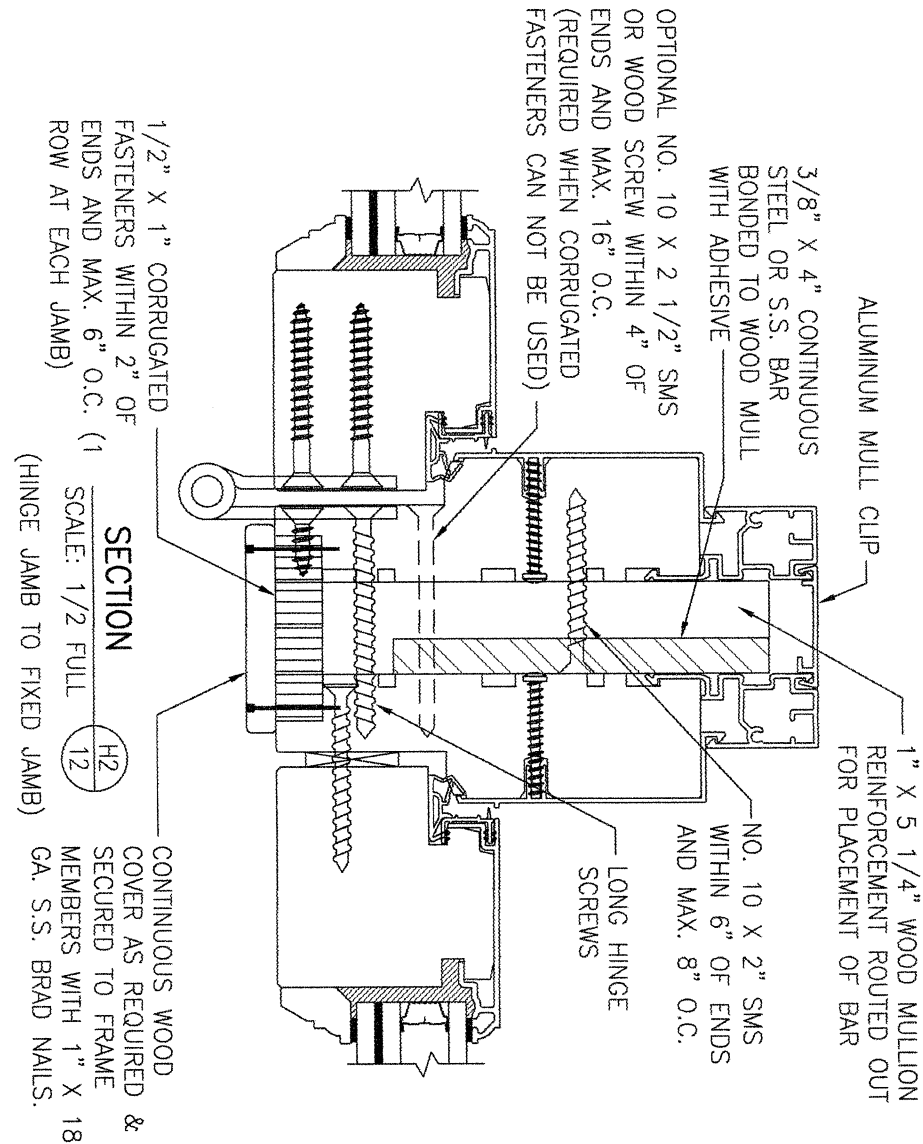
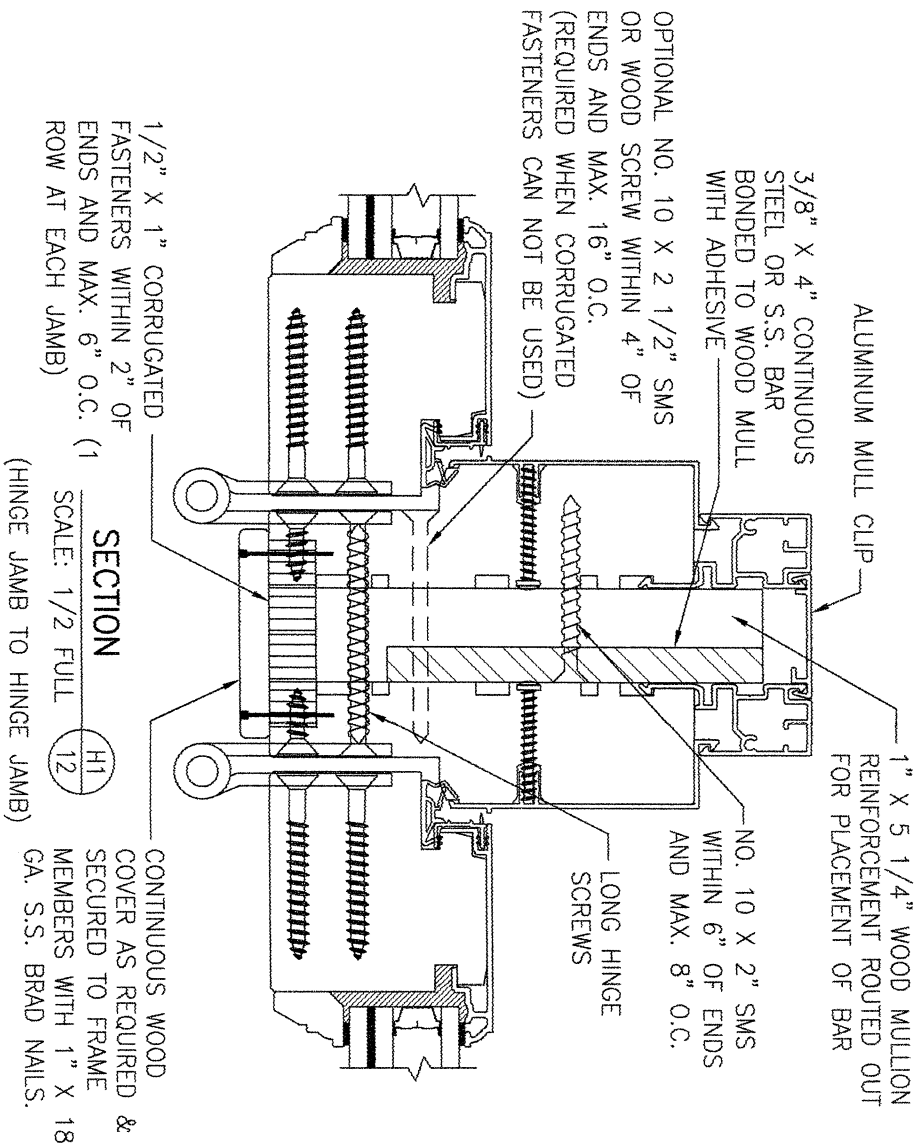
CERTIFICATION
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING TITLE
MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
25601 AYSSEN DRIVE
PUNTA GORDA, FL 33983
PHONE: 561-744-3424

MANUFACTURER
C.P. LOEWEN ENTERPRISES
77 HWY 52 WEST
STEINBACH, MB, CANADA R5G 1B2
431-305-0888

NO.	REVISION	DESCRIPTION	BY	DATE
1	2			

DRAWING NO. 2025
SHEET NO. 11 OF 13



NO.	REVISION	DESCRIPTION	BY	DATE

DRAWING TITLE		MANUFACTURER	
MODEL 60T CLAD WOOD IN-SWING IMPACT DOORS		C.P. LOEWEN ENTERPRISES	
CONSULTANTS		77 HWY 52 WEST	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		STEINBACH, MB, CANADA R5G 1B2	
25601 AYSEN DRIVE		431-305-0888	
PUNTA GORDA, FL 33983			
PHONE: 561-744-3424			

CERTIFICATION		DRAWING NO.	
WARREN W. SCHAEFER, P.E.		2025	
P.E. NO. 44135		REV. B	
		SHEET NO.	
		12 OF 13	

