

GENERAL NOTES:

- ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
- 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.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
- TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & 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. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
- CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) PRODUCT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) PRODUCT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
- THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
- THESE DRAWINGS CERTIFY THE PRODUCT INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE 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 THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

ANCHOR/SUBSTRATE EVALUATION NOTE:

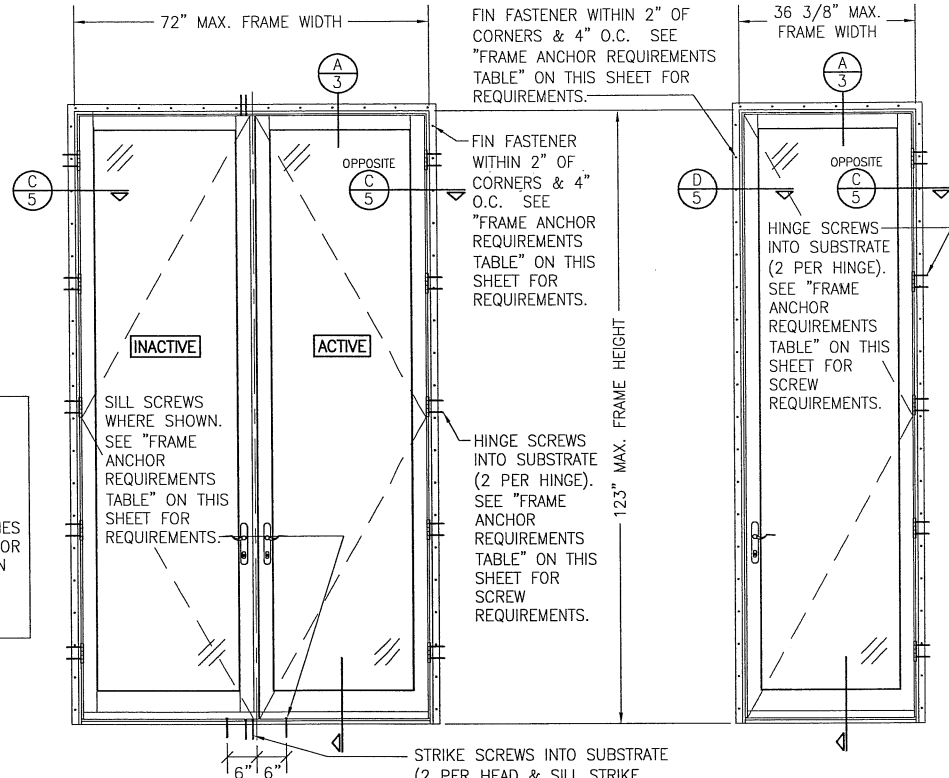
ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE CAPABLE OF SUPPORTING ALL LOADS IMPOSED ON THEM UNDER THE GUIDELINES OF THIS DOCUMENT. ANY SUBSTRATES OR CONDITIONS OUTSIDE OF WHAT IS SHOWN HERE-IN SHALL BE SUBJECT TO JOB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

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	HEAD/STRIKE/HINGE/SILL/FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
HEAD & SILL STRIKE SCREWS			
MIN. 2X6 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. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"
HEAD & SILL FRAME SCREWS			
MIN. 2X6 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. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
HINGE SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
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"
NAILING FIN FASTENERS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GAGE ROOFING NAIL	1 5/8"	1/2"
	NO. 8 SMS SCREW	1 3/8"	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"

(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.).

CONCRETE SUBSTRATE IS NOT APPLICABLE AT THE HEAD DUE TO REQUIRED USE OF NAIL FIN.



**EXTERIOR ELEVATION:
DOUBLE XX DOOR**
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE (DOUBLE XX DOORS)

MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)
72	123	35
72	99	40

CONDITIONS SHOWN ON THIS DRAWING ARE GOVERNED BY INSTALLATION REQUIREMENTS ONLY. THE GOVERNING CONDITIONS ON ANY SPECIFIC DOOR SHALL BE THE LESSER OF THOSE SPECIFIED IN THE DOORS STATE APPROVAL OR THAT SHOWN IN THESE DRAWINGS.

**EXTERIOR ELEVATION:
SINGLE SWING DOOR**
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE (SINGLE X DOORS)

MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)
36 3/8	123	35
36 3/8	99	40

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.M.S.	CHECKED BY: W.M.S.
PLOT: 1-24	DATE: 12/18/18
DATE: 09/07/19	
BY: W.M.S.	
REVISION DESCRIPTION	
NO. 1	ADDED 2 1/4" SILL/RAIL VIEWS

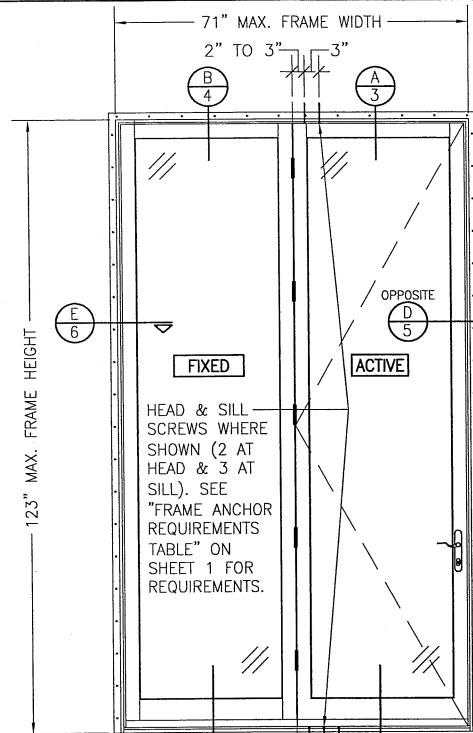
ALUMINUM CLAD WOOD NON-IMPACT 3" STILE OUT-SWING DOORS

JOE INFORMATION:
C.P. LOEWEN ENTERPRISES
77 HWY 52 WEST
STEINBACH, MB, CANADA R5G 1B2
204-326-6446

CONSULTANTS:
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7460 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
No. 4413
DATE: MAY 08 2019
W. W. SCHAEFER, P.E.
U.S. REG. NO. 44135

DRAWING NO. 1938
SHEET NO. 1 OF 6

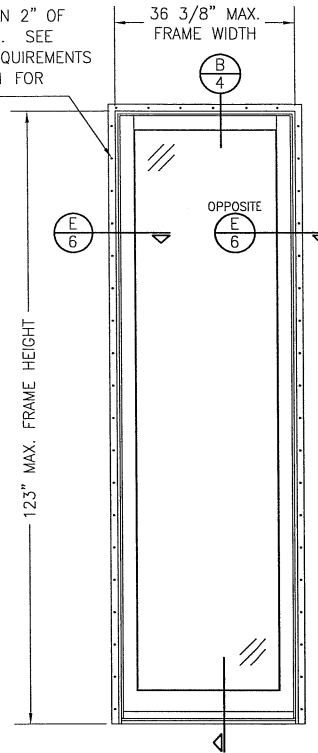


**EXTERIOR ELEVATION:
DOUBLE OX DOOR**
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE (DOUBLE OX OR XO DOORS)		
MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)
72	123	30
72	99	40

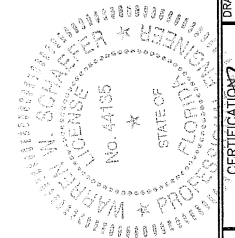
FIN FASTENER WITHIN 2" OF CORNERS & 4" O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FIN FASTENER WITHIN 2" OF CORNERS & 4" O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS.

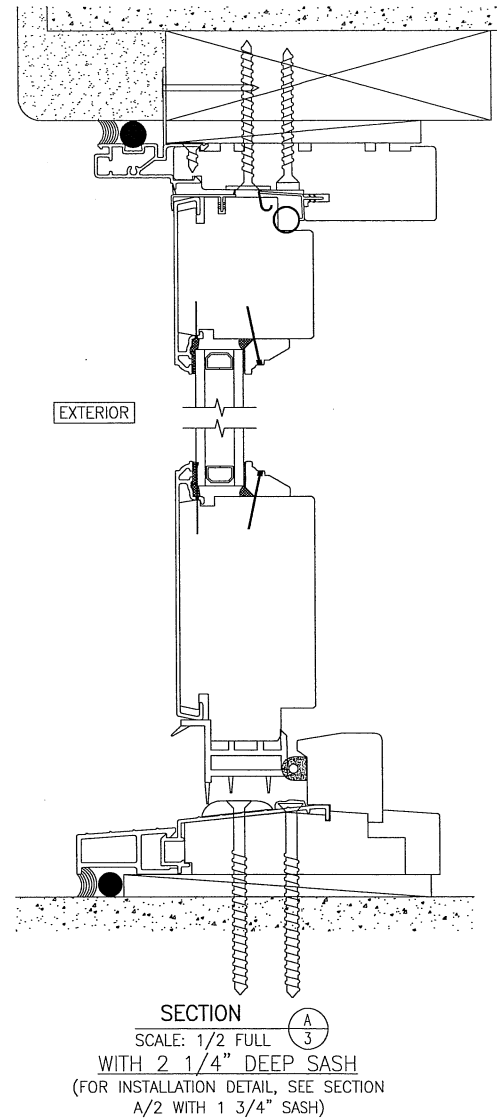
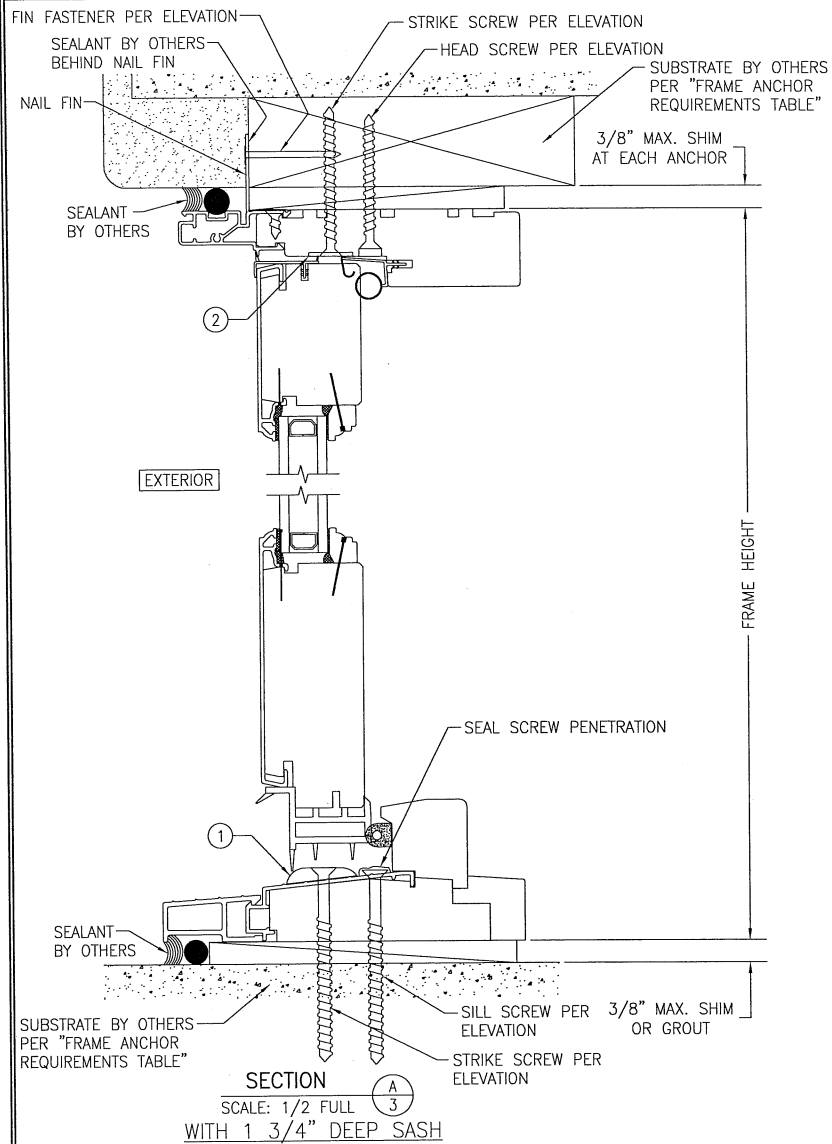


**EXTERIOR ELEVATION:
SINGLE FIXED DOOR**
SCALE: 1/2" = 1'-0"

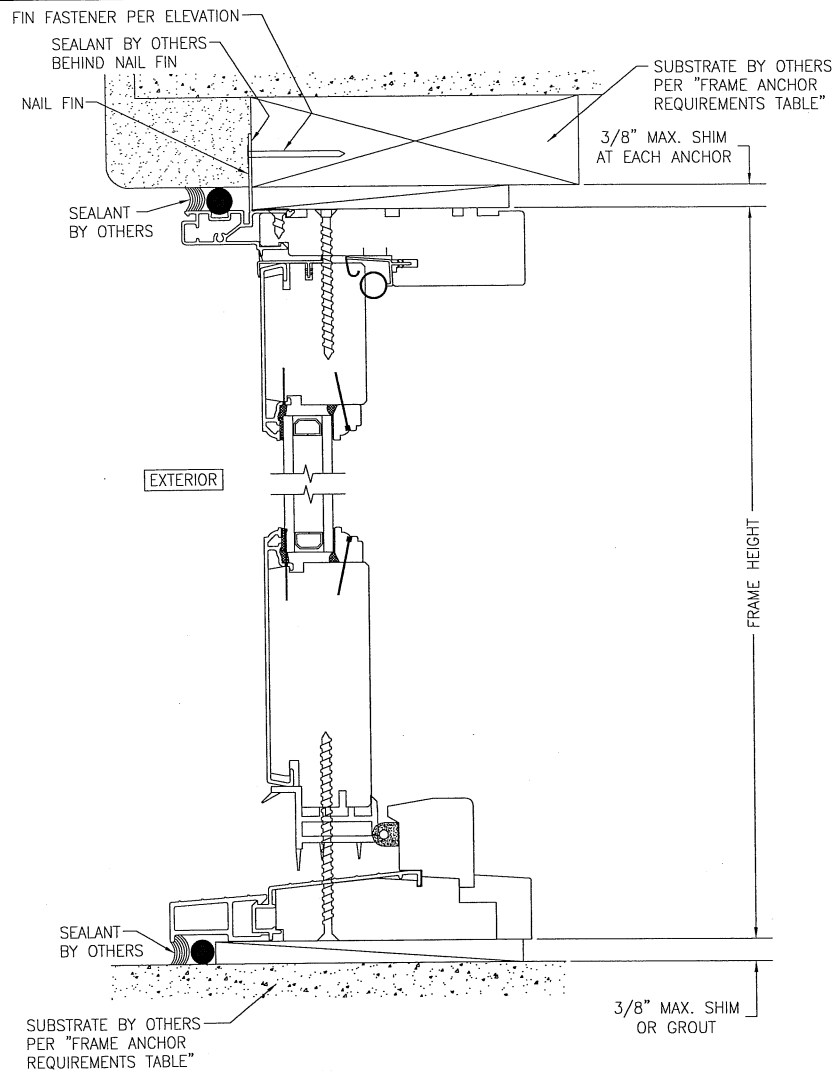
ALLOWABLE DESIGN PRESSURE (SINGLE FIXED DOORS)		
MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)
36 3/8	123	30
36 3/8	99	40



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 12/18/18	
NO.	REVISION	DESCRIPTION	BY
DRAWING TITLE: ALUMINUM CLAD WOOD NON-IMPACT 3" STILE OUT-SWING DOORS			
CONSULTANTS: C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 14455 SOUTH COUNTY ROAD 13418 PALM BEACH GARDENS, FL 33418 PALM PHONE: 561-744-3424			
CERTIFICATION: MAY 08 2019		WARRREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1938		REV. A	
SHEET NO. 2		OF 6	

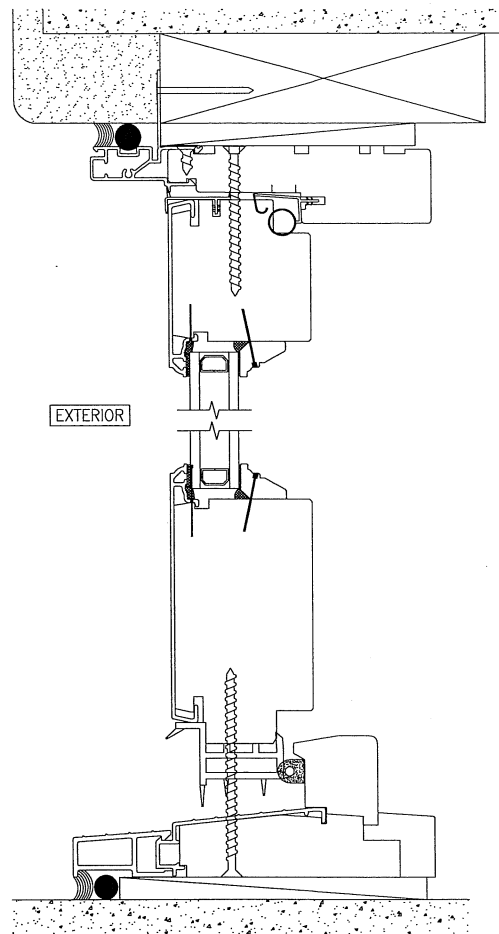


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PLOT: 1-24		DATE: 12/18/18	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD NON-IMPACT 3" STILE OUT-SWING DOORS CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7445 SOUTH COUNTY ROAD 13418 PALM BEACH, FL 33418 PHONE: 561-744-3424 MANUFACTURER: C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446			
CERTIFICATION MAY 8 2019 W. W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1938 SHEET NO. 3 OF 6 REV. A	



SECTION
SCALE: 1/2 FULL
WITH 1 3/4" DEEP SASH

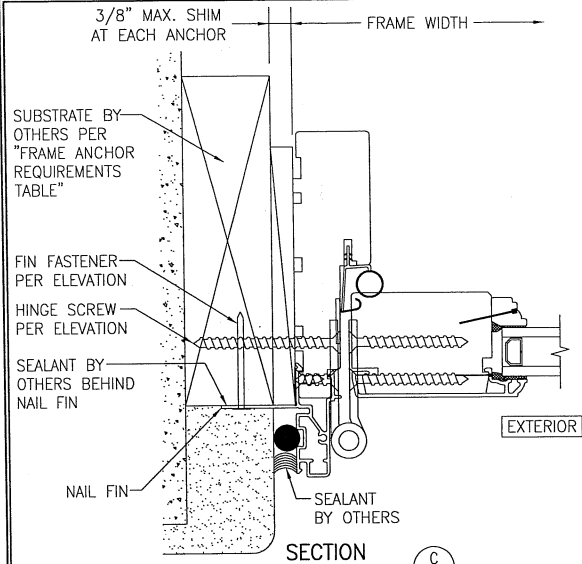
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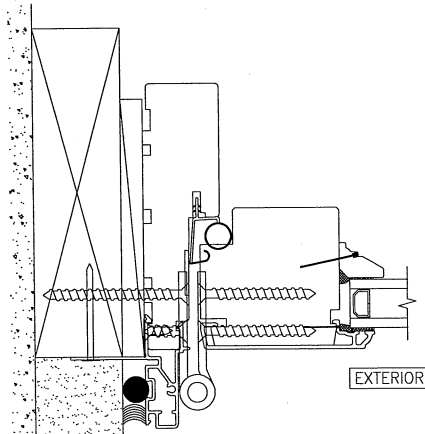
SECTION
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WITH 2 1/4" DEEP SASH
(FOR INSTALLATION DETAIL, SEE SECTION
A/2 WITH 1 3/4" SASH)

(B/4)

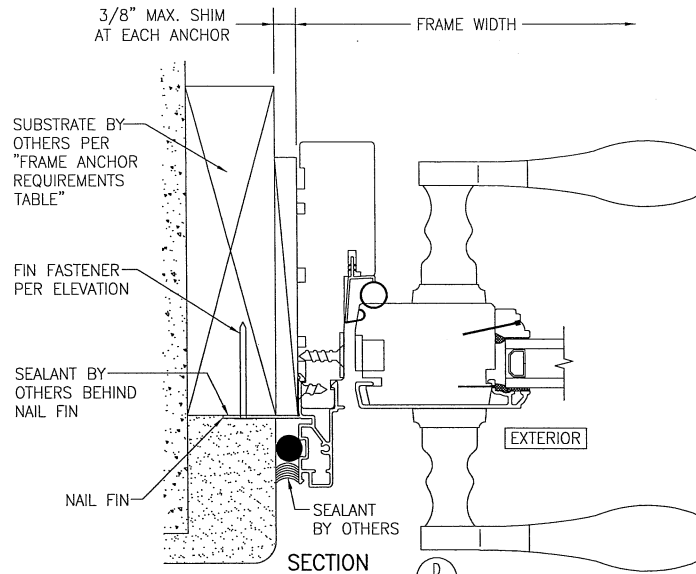
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PLOT: 1-24		DATE: 12/18/18	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD NON-IMPACT 3" STILE OUT-SWING DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 SOUTH GARDEN COURT PALM BEACH, FL 33418 PHONE: 561-744-3424		MANUFACTURER C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446	
CERTIFICATION NO. 44105 STATE OF FLORIDA W. W. SCHAEFER, P.E. MAY 08 2019			
DRAWING NO. 1938		REV. A	
SHEET NO. 4		OF 6	



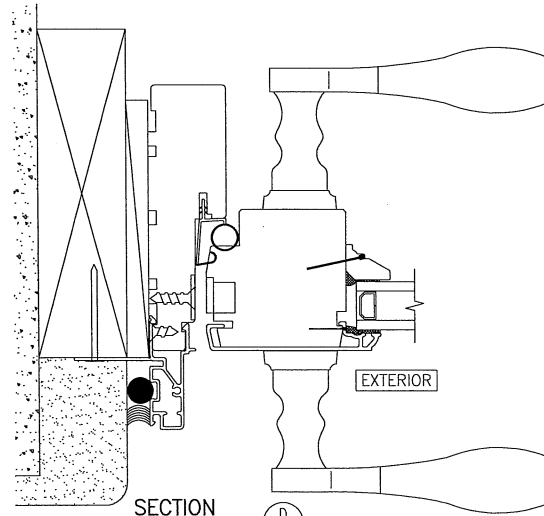
SECTION C/5
SCALE: 1/2 FULL
WITH 1 3/4" DEEP SASH



SECTION C/5
SCALE: 1/2 FULL
WITH 2 1/4" DEEP SASH
(FOR INSTALLATION DETAIL, SEE SECTION C/5 WITH 1 3/4" SASH)

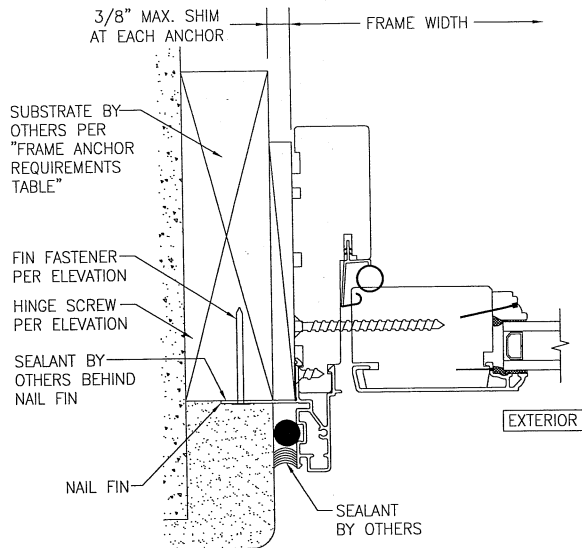


SECTION D/5
SCALE: 1/2 FULL
WITH 1 3/4" DEEP SASH

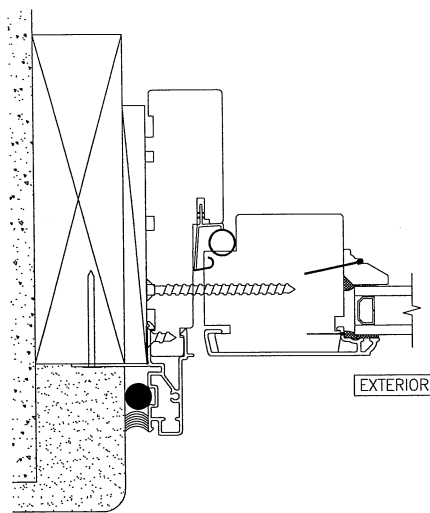


SECTION D/5
SCALE: 1/2 FULL
WITH 2 1/4" DEEP SASH
(FOR INSTALLATION DETAIL, SEE SECTION D/5 WITH 1 3/4" SASH)

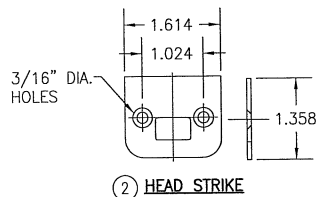
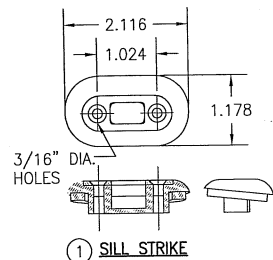
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 12/18/18	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD NON-IMPACT 3" STILE OUT-SWING DOORS MANUFACTURER: C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH, FL 33418 PHONE: 561-744-3424 CERTIFICATION: MAY 08 2019 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1938		REV. A	
SHEET NO. 5		OF 6	



SECTION E
6
SCALE: 1/2 FULL
WITH 1 3/4" DEEP SASH



SECTION E
6
SCALE: 1/2 FULL
WITH 2 1/4" DEEP SASH
(FOR INSTALLATION DETAIL, SEE SECTION
E/6 WITH 1 3/4" SASH)



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 12/18/18	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: ALUMINUM CLAD WOOD NON-IMPACT 3" STILE OUT-SWING DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH, FL 33418 PHONE: 561-744-3424		MANUFACTURER C.P. LOEWEN ENTERPRISES 77 HWY 52 WEST STEINBACH, MB, CANADA R5G 1B2 204-326-6446	
STATE OF FLORIDA NO. 44135 WARREN W. SCHAEFER, P.E. CERTIFICATION MAY 8 2019			
DRAWING NO. 1938		REV. A	
SHEET NO. 6 OF 6			