

GENERAL NOTES:

1. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC).
4. ALL ANCHORS SECURING PRODUCT FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
5. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & QUALITY ASSURED BY A NATIONALLY ACCREDITED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH CERTIFICATION/QA ENTITIES SPECIFICATIONS. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
6. CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) THEY ARE INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) IF THEY ARE INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH WINDOW/DOOR INSTALLATIONS. 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.
7. THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
8. 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.

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:	03/12/15
NO.		REVISION DESCRIPTION	
DATE		BY	

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN/HINGE/STRIKE TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/SILL SCREWS			
(4) MIN. 2X6 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"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"

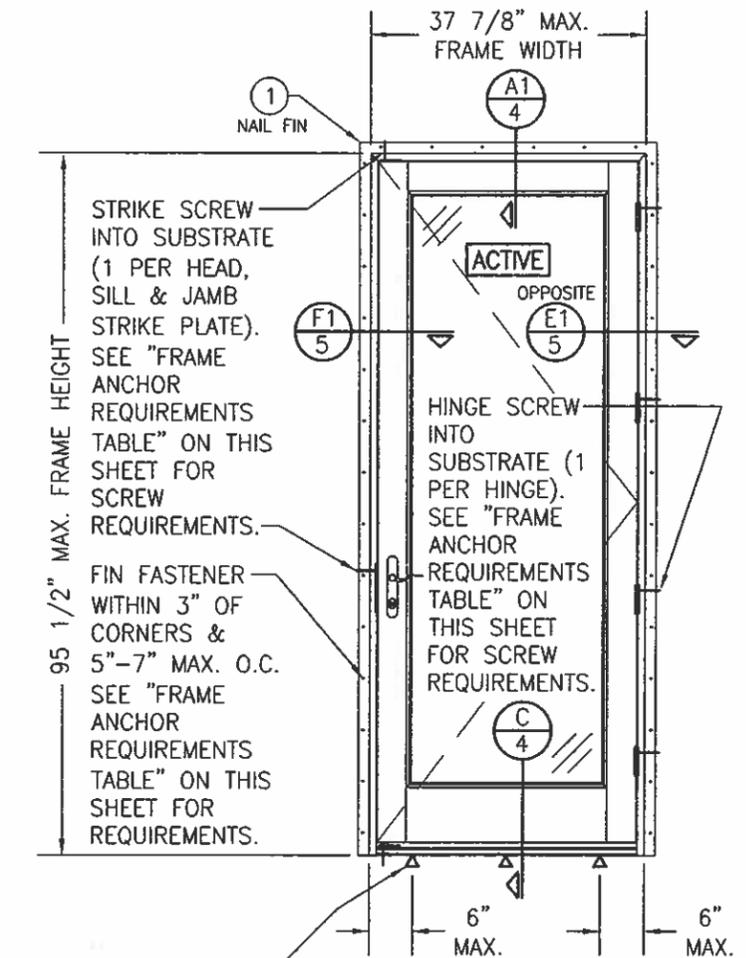
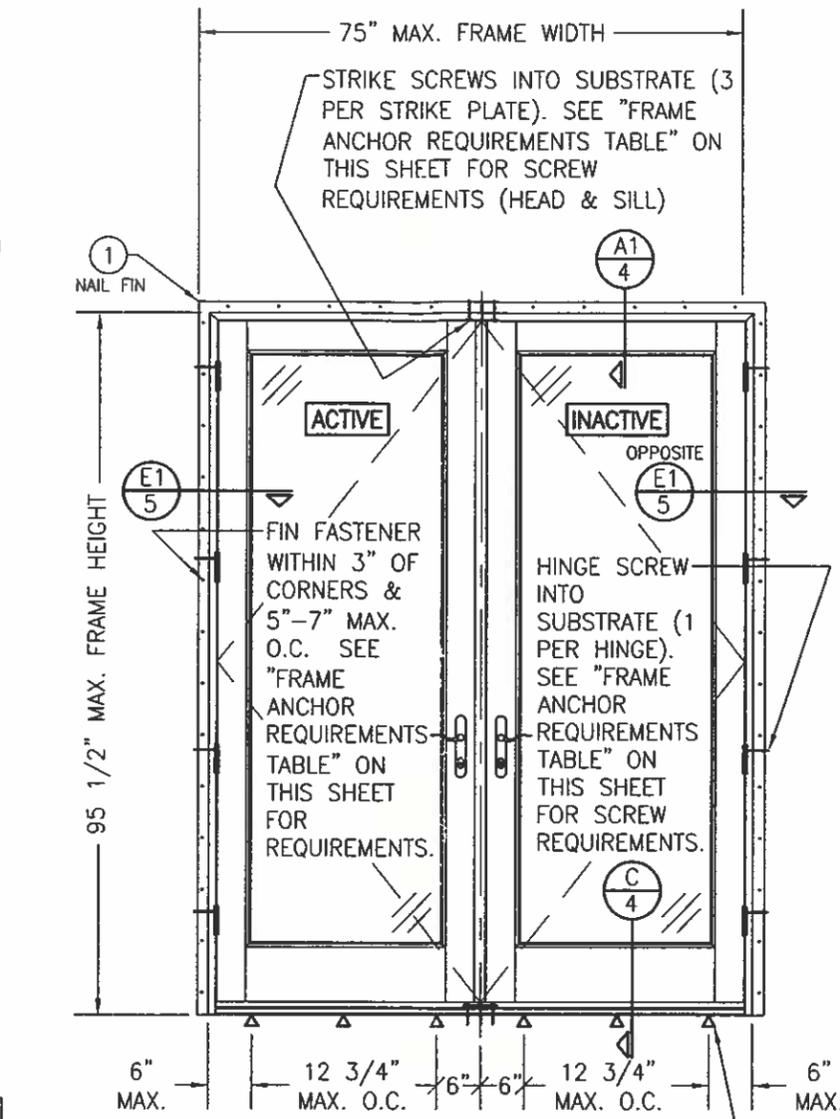
INSTALLATION CLIP SCREWS (STANDARD BENT CONDITION)			
(4) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 x 1 1/2" SMS	1 3/8"	(3) N/A
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(3) N/A
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(3) N/A

(3) INSTALLATION CLIP SCREWS (ALTERNATE STRAIGHT CONDITION)			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 x 1 1/2" SMS	1 3/8"	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"

(2) NAILING FIN FASTENERS			
(4) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
(4) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	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"

HINGE & STRIKE SCREWS			
(4) MIN. 2X6 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"
C-90 CMU/2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/4"	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.).
- (2) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.
- (3) ALTERNATE BENT CLIP INSTALLATION SCREWS SHALL BE POSITIONED WITHIN 1/4" OF THE BUCK/SUBSTRATE EDGE AND, IF INTO WOOD, ANGLED 15 TO 20 DEGREES INTO THE BUCK.
- (4) 2X6 BUCKS MAY BE RIPPED DOWN TO MIN 4 3/4" DEPTH EXCEPT WHEN THE ALTERNATE INSTALLATION CLIP CONDITION APPLIES.



INTERIOR ELEVATION: DOUBLE XX DOOR

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

(NAIL FIN MOUNT CONDITION)

INTERIOR ELEVATION: SINGLE X DOOR

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

(NAIL FIN MOUNT CONDITION)

EDGE DISTANCE MAY BE DECREASED TO 1/2" IF SCREWS ARE ANGLED 15 TO 20 DEGREES AWAY FROM THE EDGE.

SILL SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS.

ALLOWABLE DESIGN PRESSURE
+/-50 PSF

ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:
ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE 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, 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.

HINGE REQUIREMENTS	
FRAME HEIGHT	QUANTITY PER PANEL
OVER 83 1/2"	4
83 1/2" AND LESS	3



DRAWING TITLE
PROLINE SERIES NON-IMPACT CLAD IN-SWING DOOR

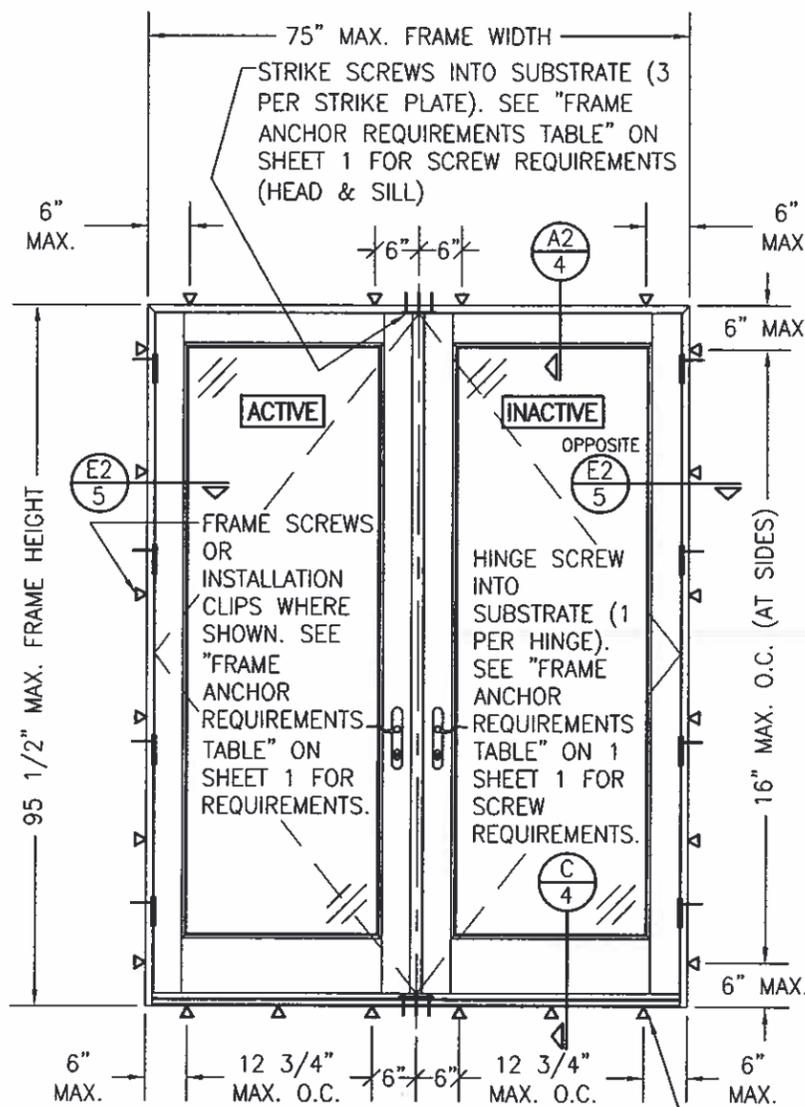
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

JOB INFORMATION:
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

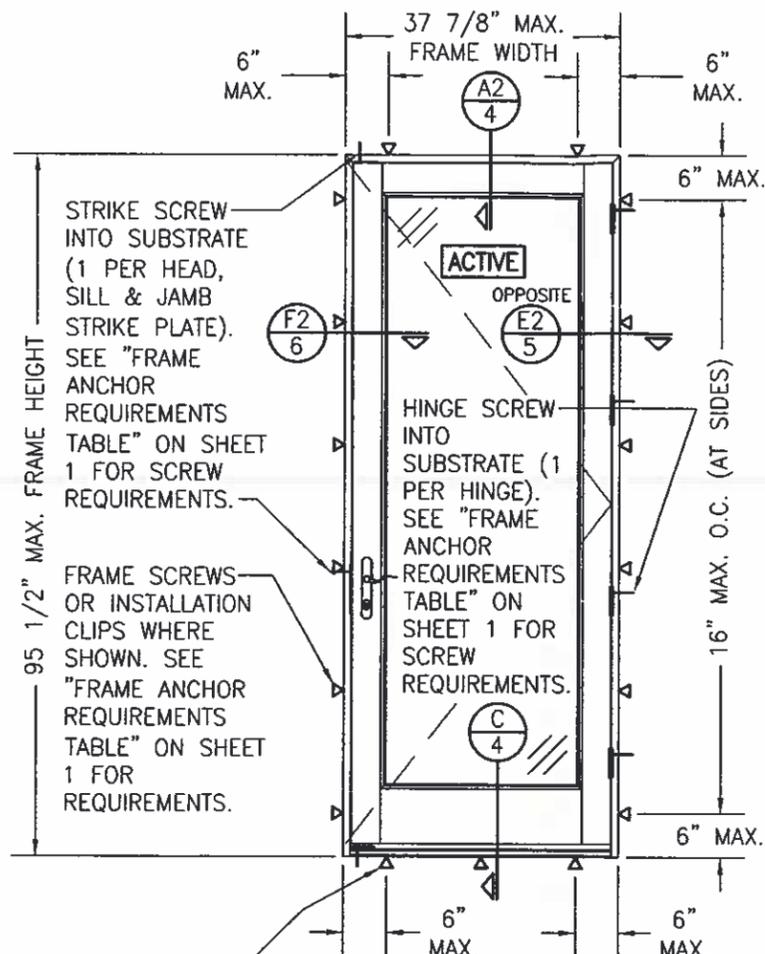
CERTIFICATION
MAR 12 2015
WARREN W. SCHAEFER, P.E.
P.E. NO. 113497

DRAWING NO.
1239T

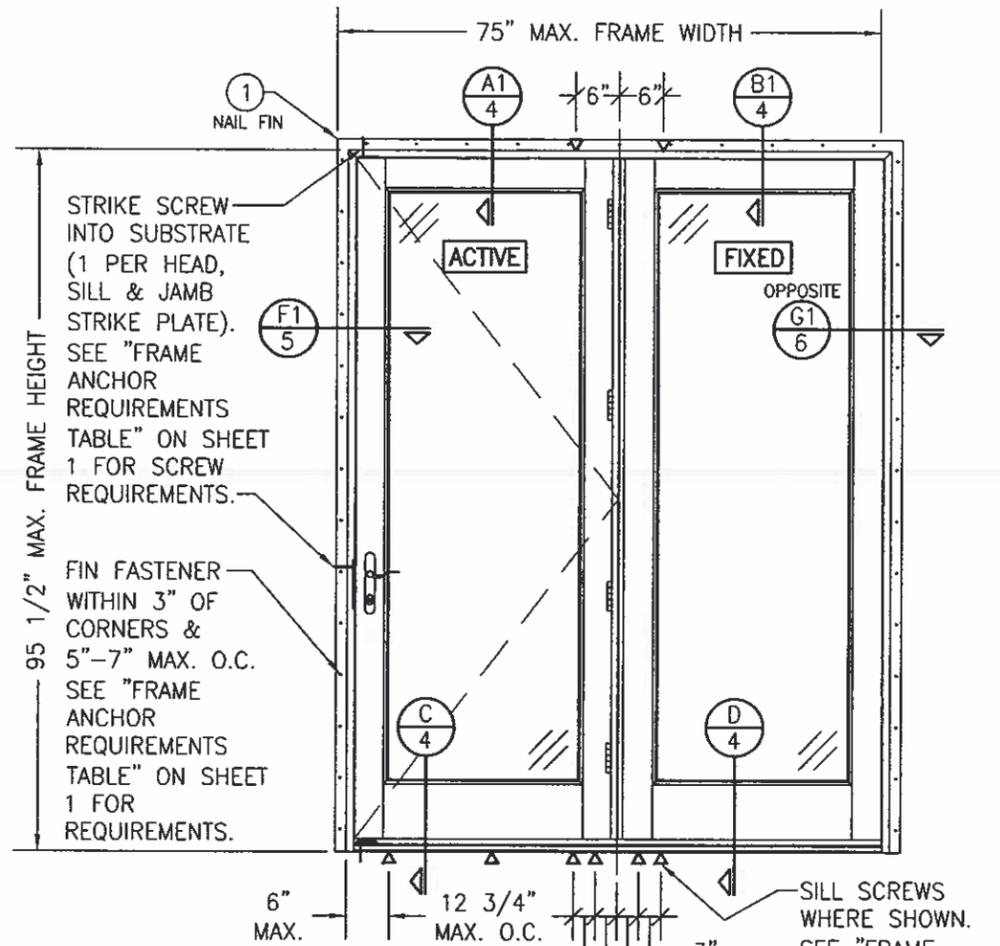
SHEET NO.
1 OF 7



**INTERIOR ELEVATION:
DOUBLE XX DOOR**
SCALE: 1/2" = 1'-0"
(FRAME SCREW & CLIP MOUNT CONDITION)



**INTERIOR ELEVATION:
SINGLE X DOOR**
SCALE: 1/2" = 1'-0"
(FRAME SCREW & CLIP MOUNT CONDITION)



**INTERIOR ELEVATION:
DOUBLE XO DOOR**
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

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PLOT: 1-24	DATE: 03/12/15
DATE	
BY	
REVISION DESCRIPTION	
NO.	

PROLINE SERIES NON-IMPACT CLAD IN-SWING DOOR

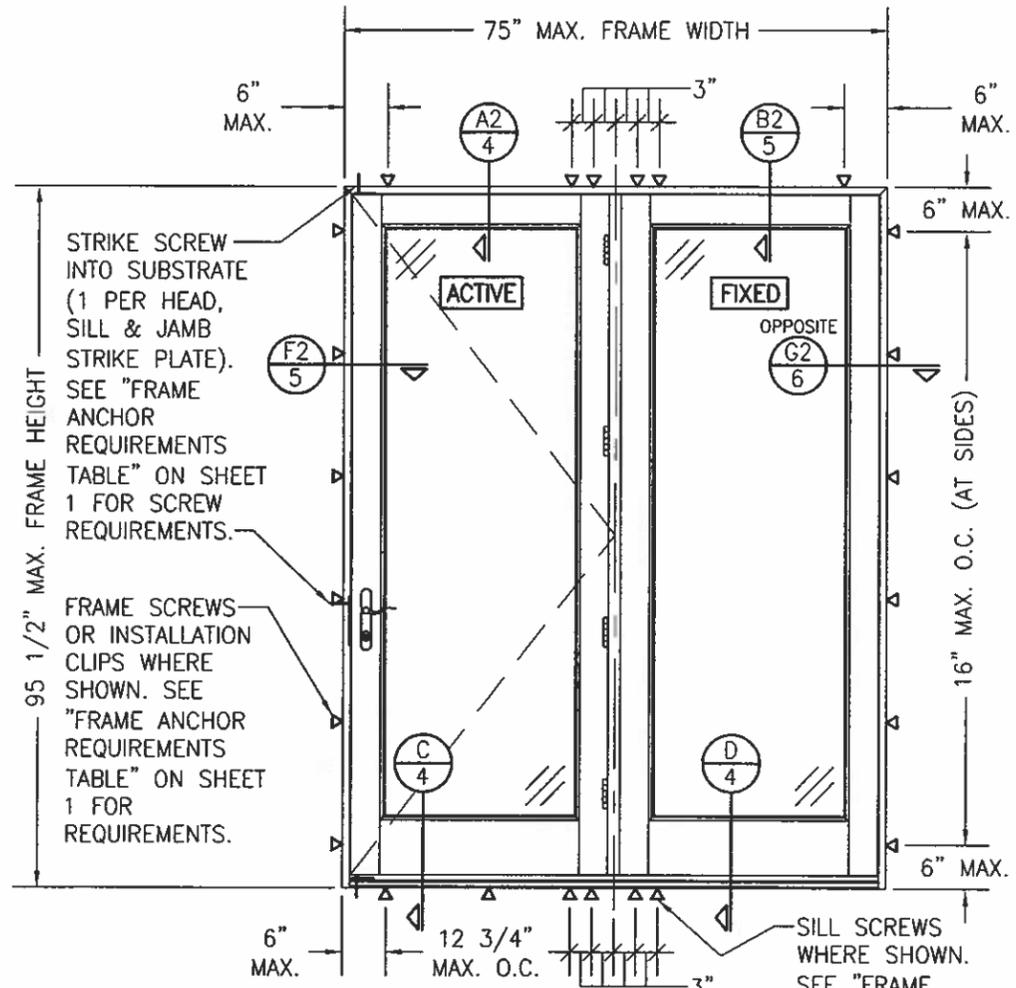
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980)
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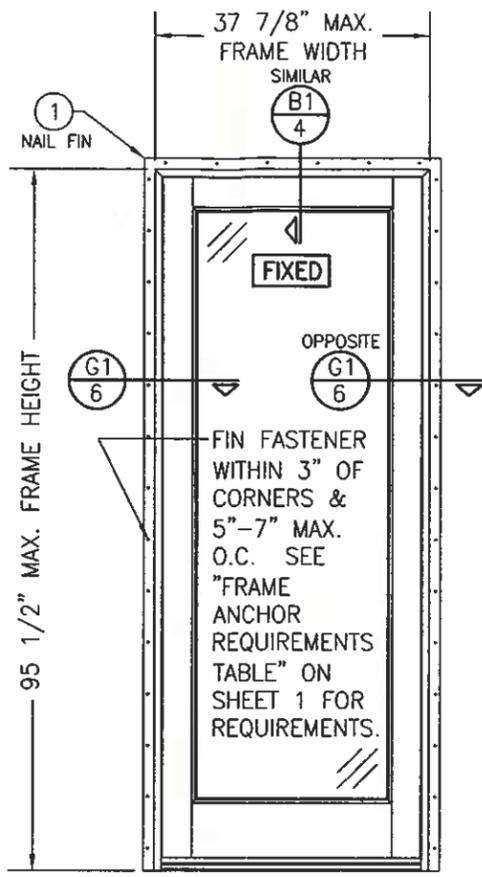


CERTIFICATION
MAR 12 2015
WARREN W. SCHAEFER, P.E.
P.E. NO. 113497

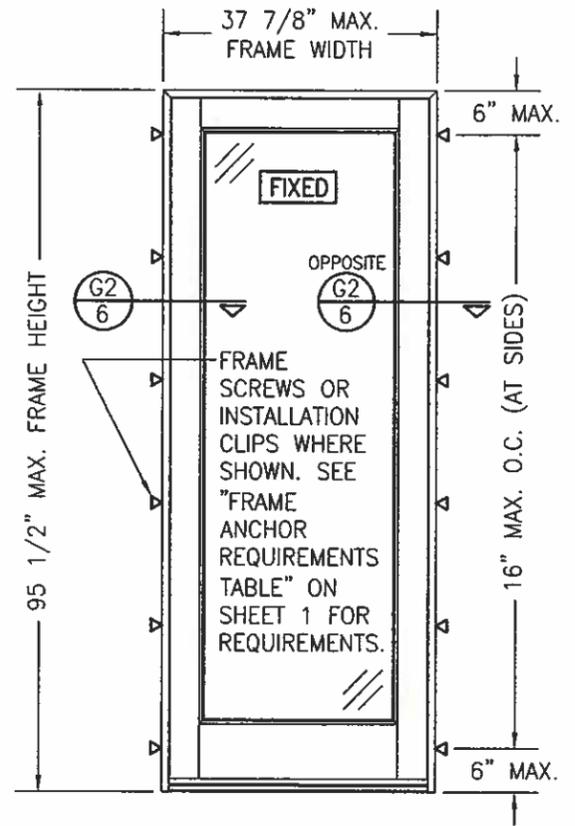
DRAWING NO. 1239T	REV.
SHEET NO. 2	OF 7



**INTERIOR ELEVATION:
DOUBLE XO DOOR**
SCALE: 1/2" = 1'-0"
(FRAME SCREW & CLIP
MOUNT CONDITION)



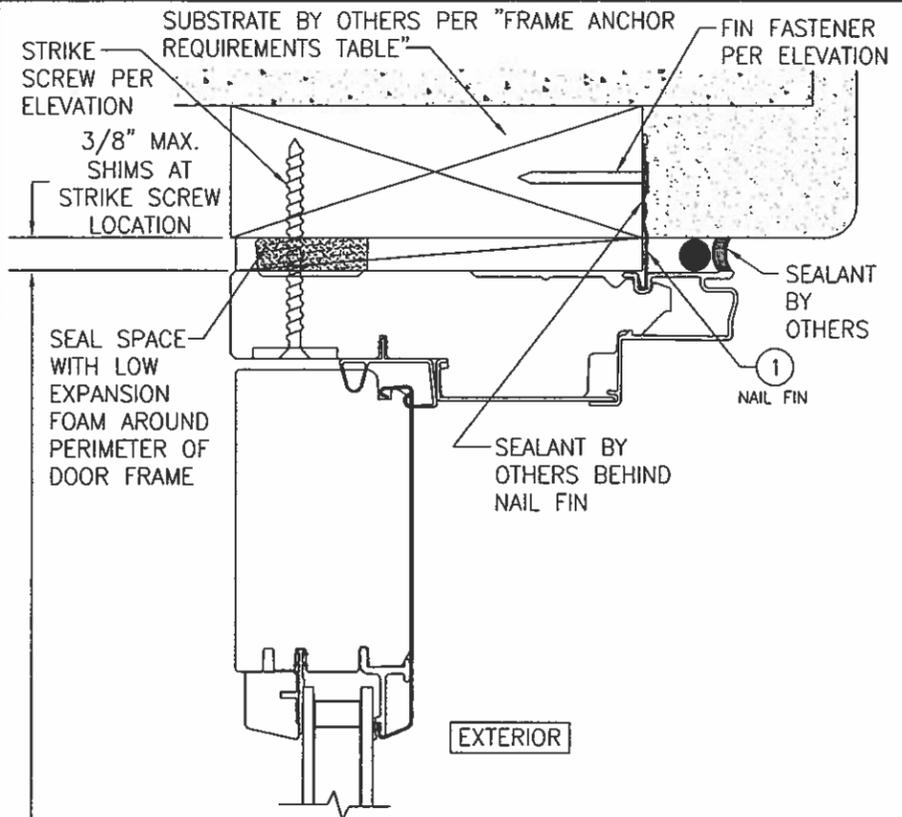
**INTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)



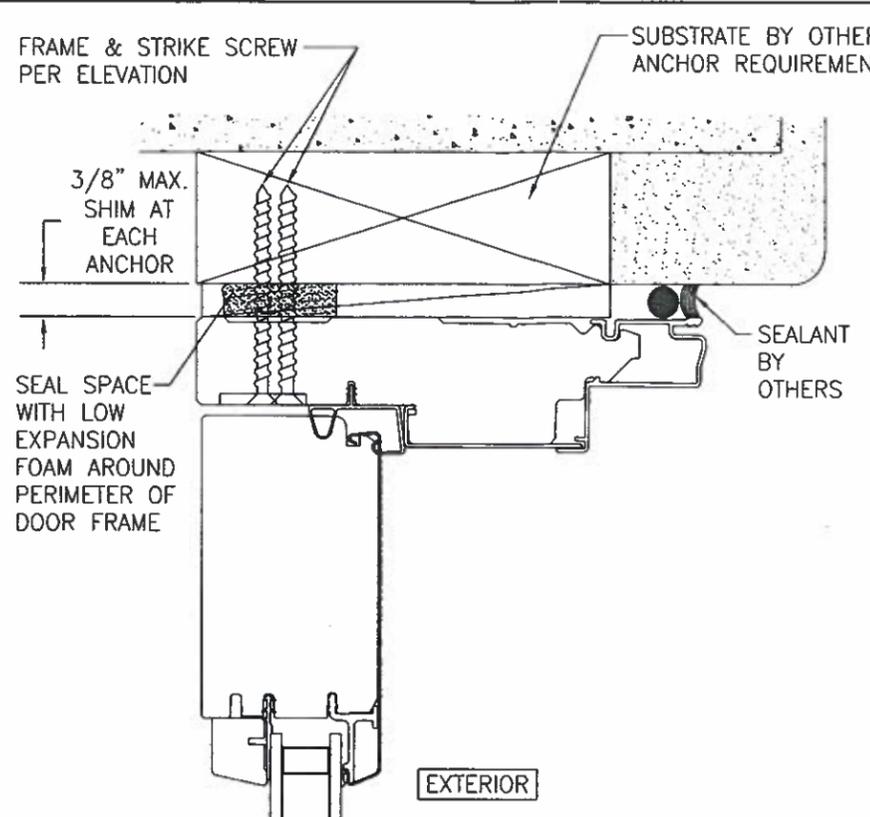
**INTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**
SCALE: 1/2" = 1'-0"
(FRAME SCREW & CLIP MOUNT CONDITION)



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 03/12/15	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE PROLINE SERIES NON-IMPACT CLAD IN-SWING DOOR			
JOB INFORMATION: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION MAR 12 2015		WARREN W. SCHAEFER, P.E. P.E. NO. 113497	
DRAWING NO. 1239T		REV.	
SHEET NO. 3		OF 7	

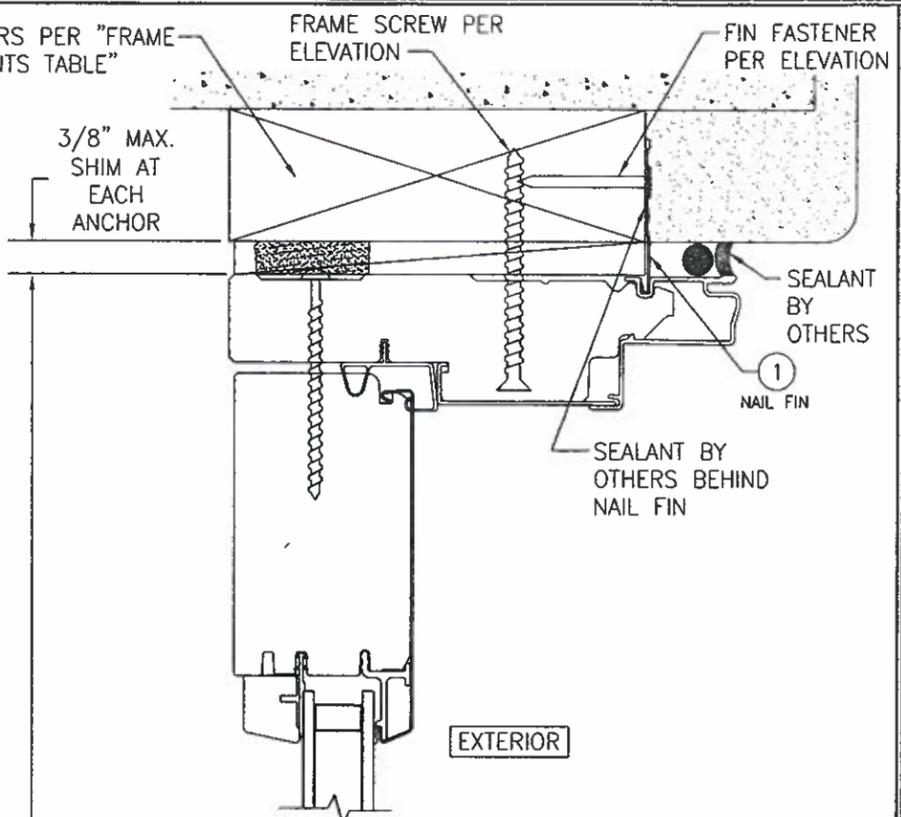


SECTION A1
SCALE: 1/2 FULL
(NAIL FIN MOUNT)

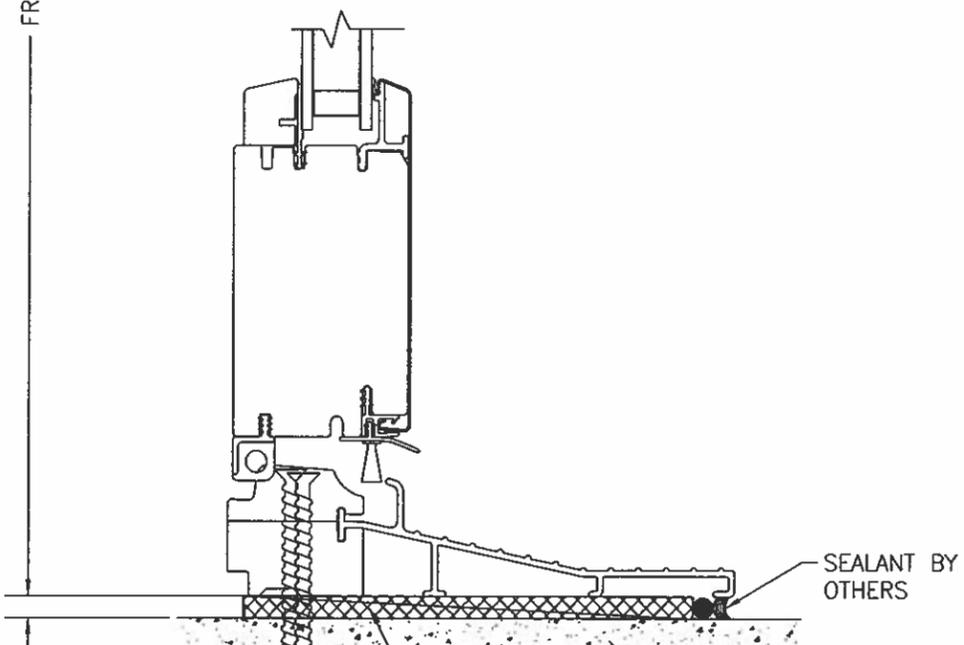


SECTION A2
SCALE: 1/2 FULL

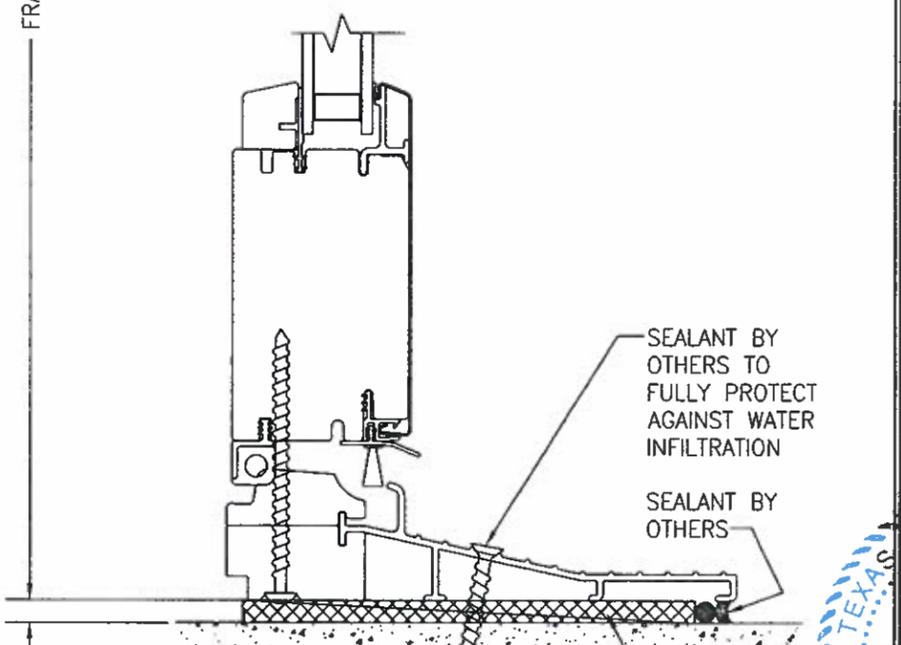
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



SECTION B1
SCALE: 1/2 FULL
(NAIL FIN MOUNT)

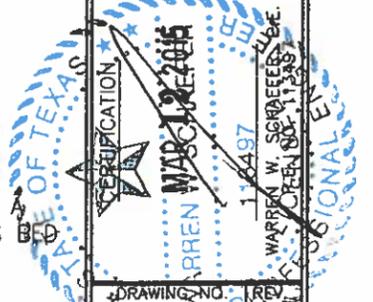


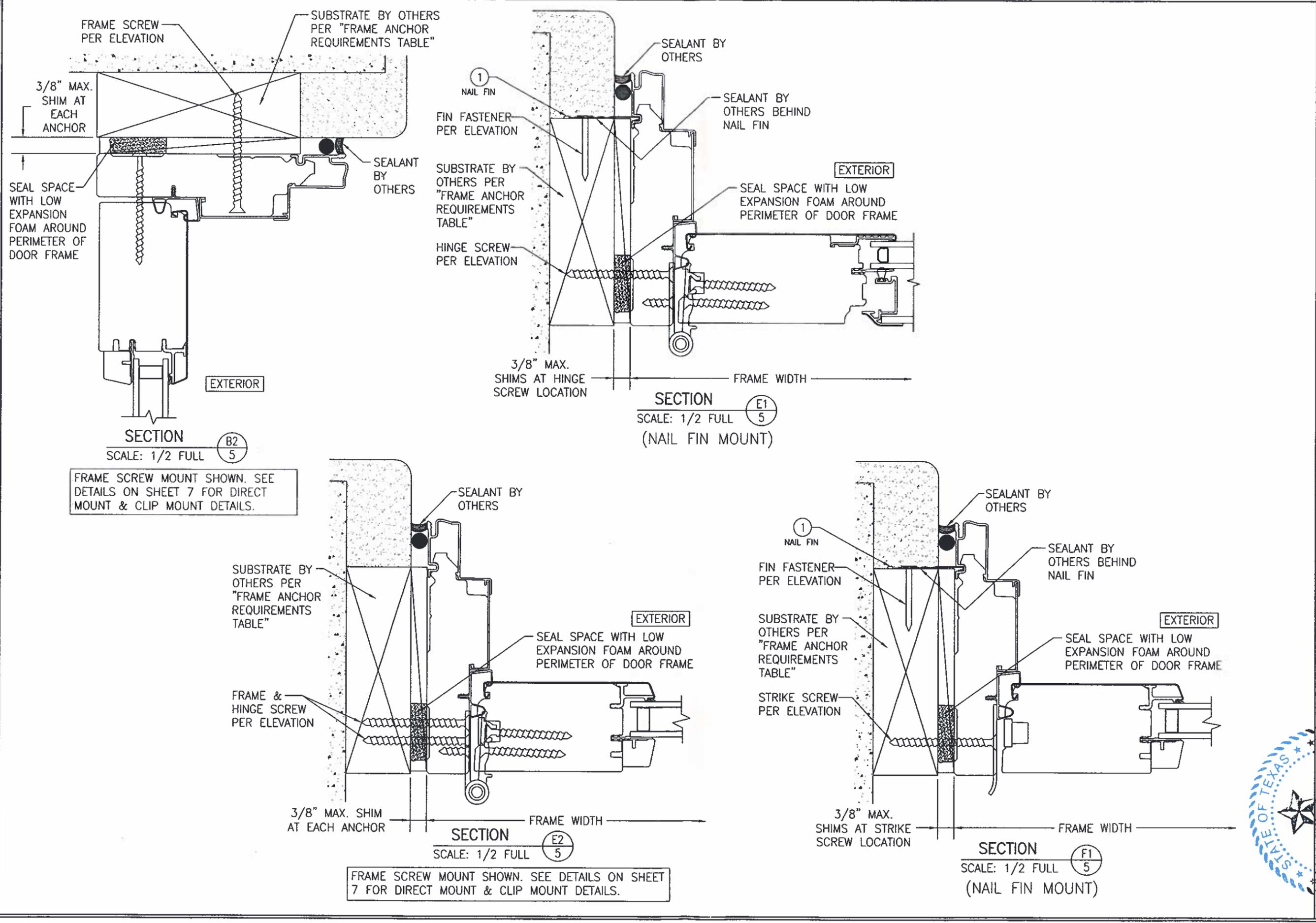
SECTION C
SCALE: 1/2 FULL



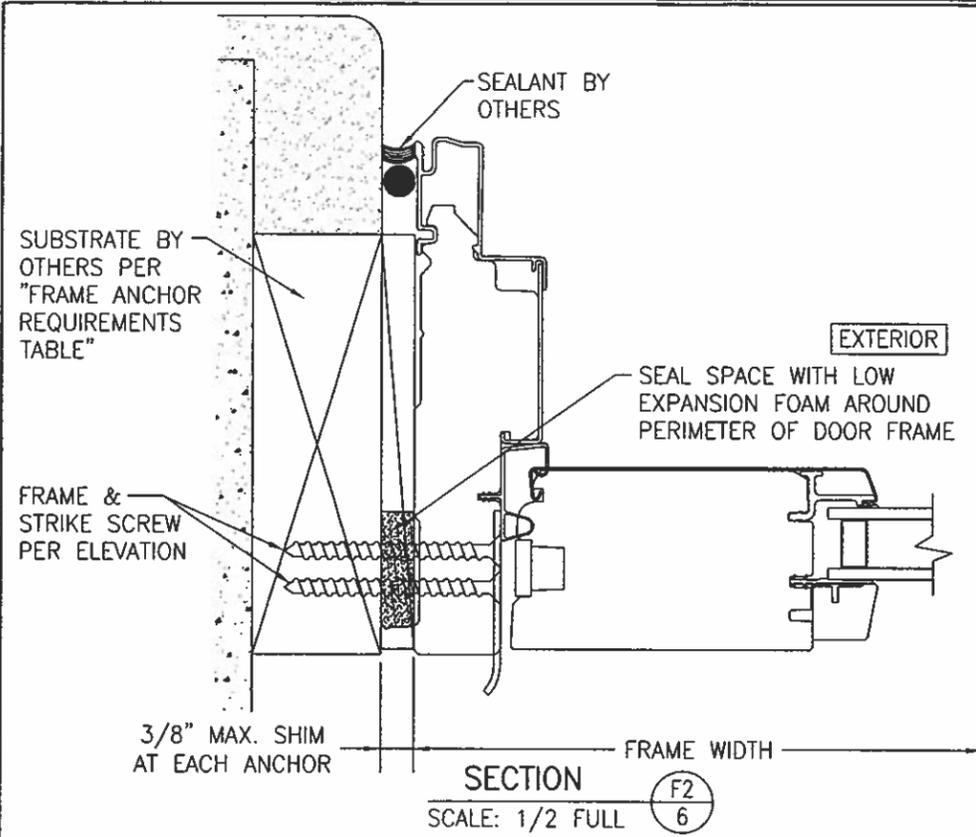
SECTION D
SCALE: 1/2 FULL

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 03/12/15
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE PROLINE SERIES NON-IMPACT CLAD IN-SWING DOOR	
JOB INFORMATION: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 12391	
SHEET NO. 4 of 7	

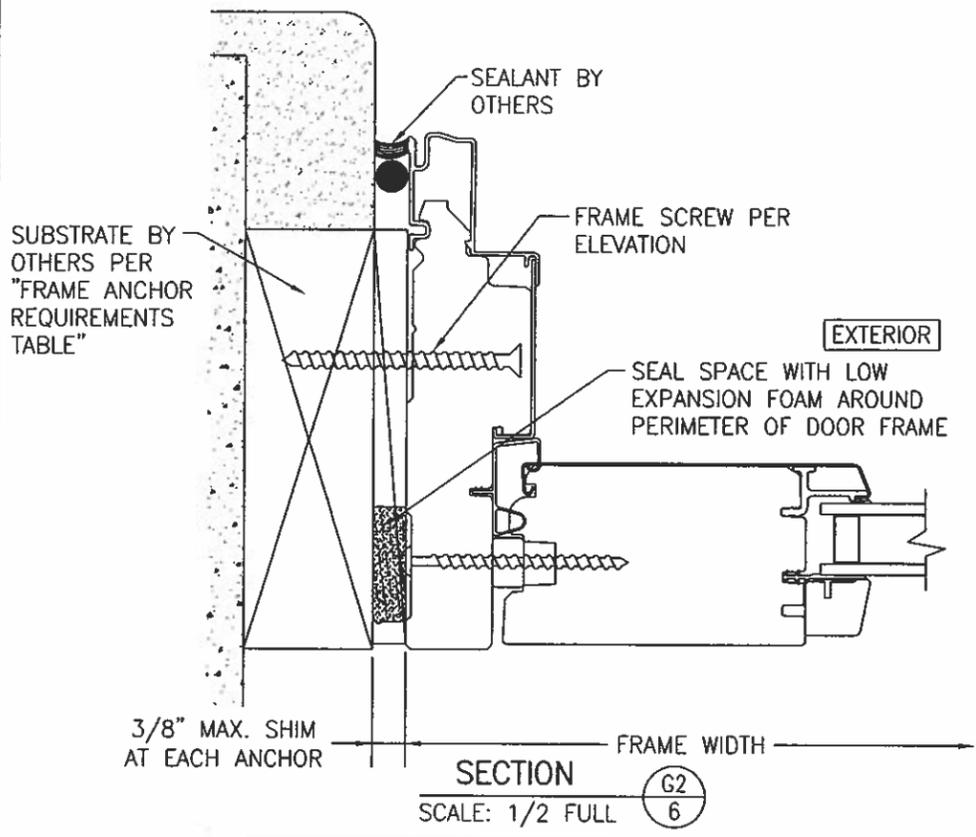




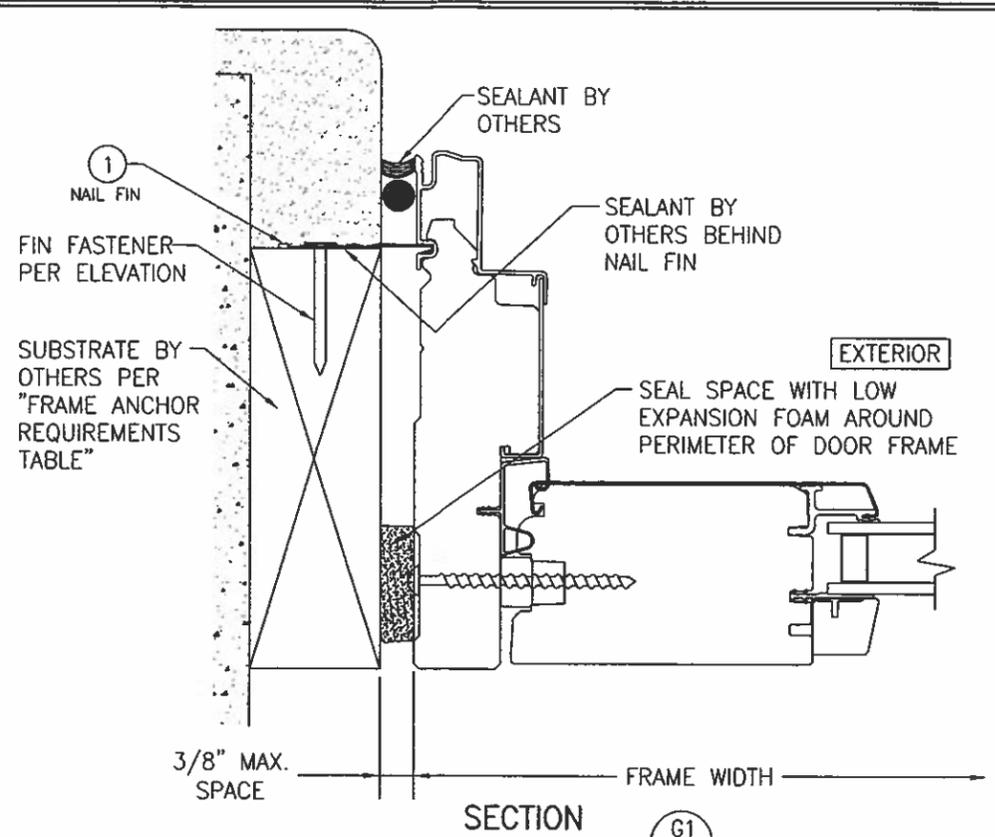
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/12/15	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: PROLINE SERIES NON-IMPACT CLAD IN-SWING DOOR CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980) 7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
JOB INFORMATION: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000 			
CERTIFICATION: W. W. SCHAEFER 115497 MAR 18 2015 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS P.E. NO. 113497			
DRAWING NO. 12591		REV.	
SHEET NO. 5		OF 7	



FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

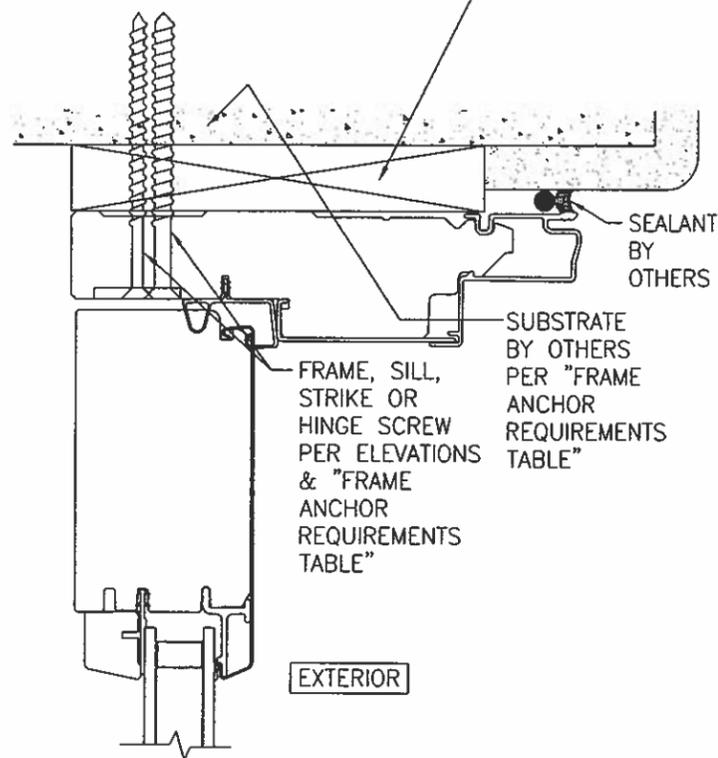


FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/12/15
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE PROLINE SERIES NON-IMPACT CLAD IN-SWING DOOR	
JOB INFORMATION: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION	WARREN W. SCHAEFER, P.E. P.E. NO. 113497
MAR 12 2015	
DRAWING NO. 1239T	REV.
SHEET NO. 6 OF 7	

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 4 3/4" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).

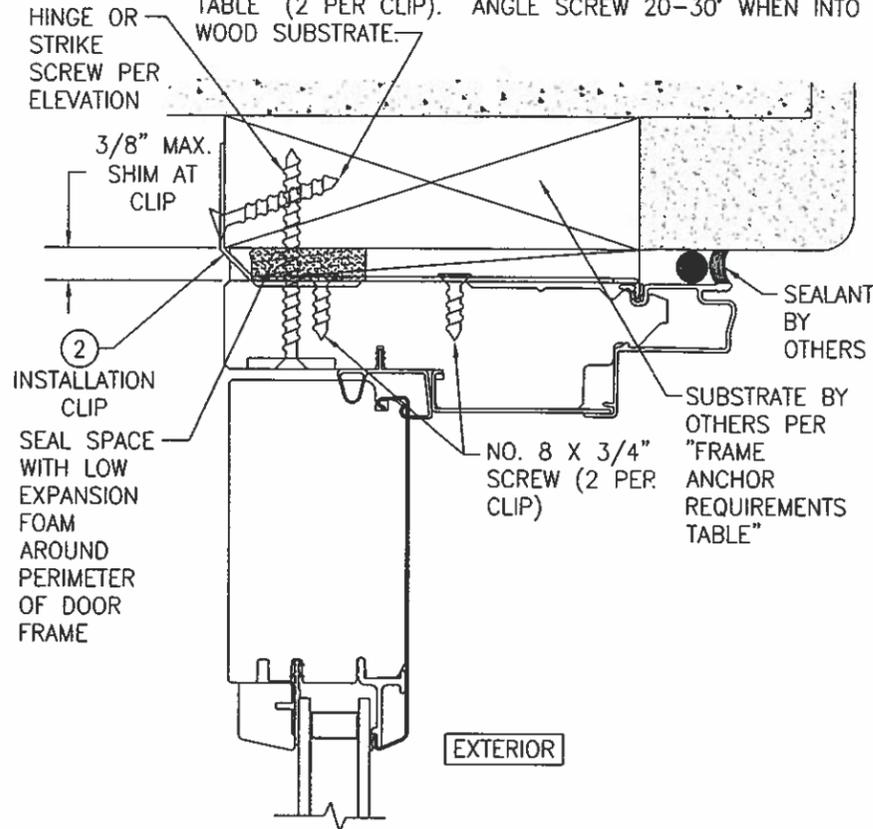


OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

(OPERABLE DOOR SHOWN, FIXED PANEL DOORS ALSO APPLY)

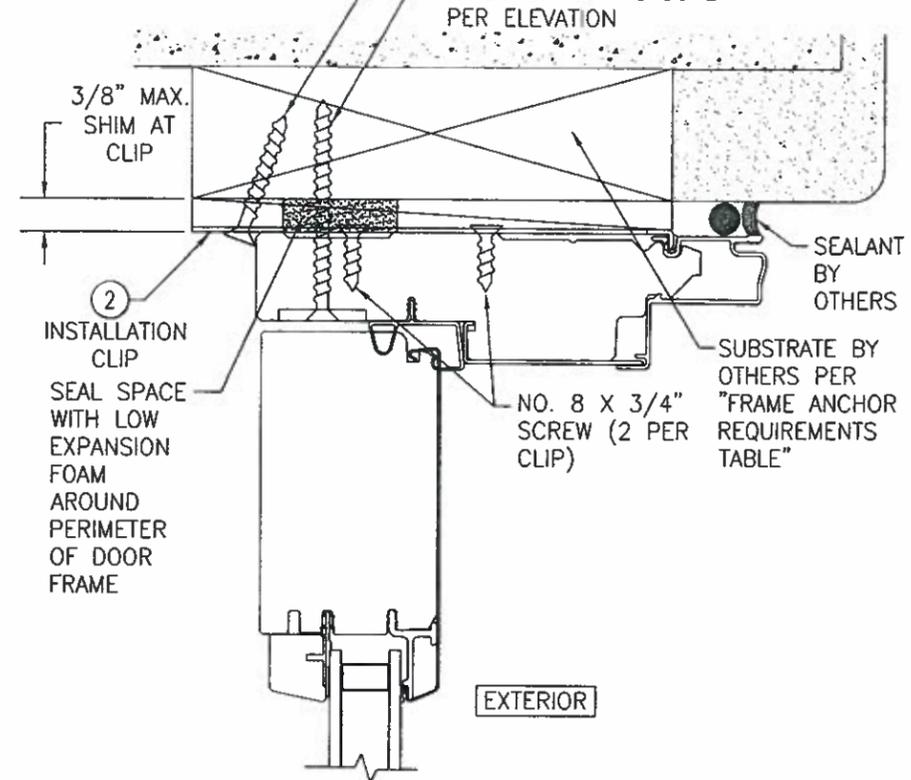
INSTALLATION CLIP SCREW PER "FRAME ANCHOR REQUIREMENTS TABLE" (2 PER CLIP). ANGLE SCREW 20-30° WHEN INTO WOOD SUBSTRATE.



STANDARD INSTALLATION CLIP DETAIL

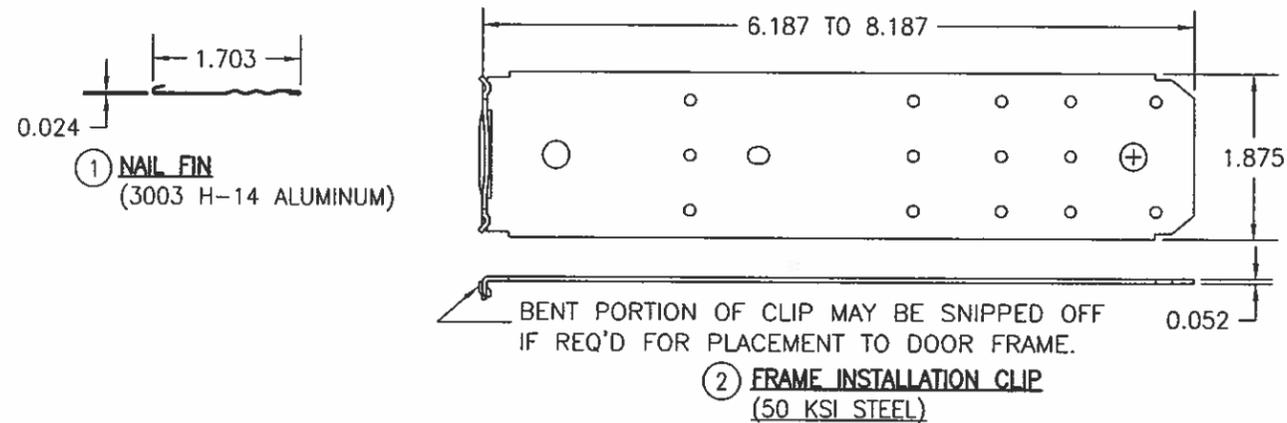
(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(OPERABLE DOOR SHOWN, FIXED PANEL DOORS ALSO APPLY)
(INSTALLATION CLIPS ARE NOT APPLICABLE AT SILL)

INSTALLATION CLIP SCREW PER "FRAME ANCHOR REQUIREMENTS TABLE" (2 PER CLIP ANGLED 15 TO 20 DEGREES IF NECESSARY TO MEET EDGE DISTANCE REQUIREMENTS)



ALTERNATE INSTALLATION CLIP DETAIL

(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(OPERABLE DOOR SHOWN, FIXED PANEL DOORS ALSO APPLY)
(INSTALLATION CLIPS ARE NOT APPLICABLE AT SILL)



DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1-2	DATE:	03/12/15
NO.		REVISION DESCRIPTION	
BY		DATE	

PROLINE SERIES NON-IMPACT CLAD IN-SWING DOOR

CONSULTANTS
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JOB INFORMATION:
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 641-621-1000

Pella



CERTIFICATION
MAR 12 2015
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 113497

DRAWING NO.	REV.
1239T	
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