

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 FLORIDA BUILDING CODE (FBC).
4. 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.
5. 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.
6. 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.
7. 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.
8. THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
9. 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.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	(2) FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
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. 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 OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
STRIKE SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 1/4"	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"
MIN. C-90 CMU OR 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) ALL FRAME SCREWS SHALL BE EITHER PAN HEAD OR HEX HEAD SCREWS.

ANCHOR/SUBSTRATE EVALUATION NOTE:

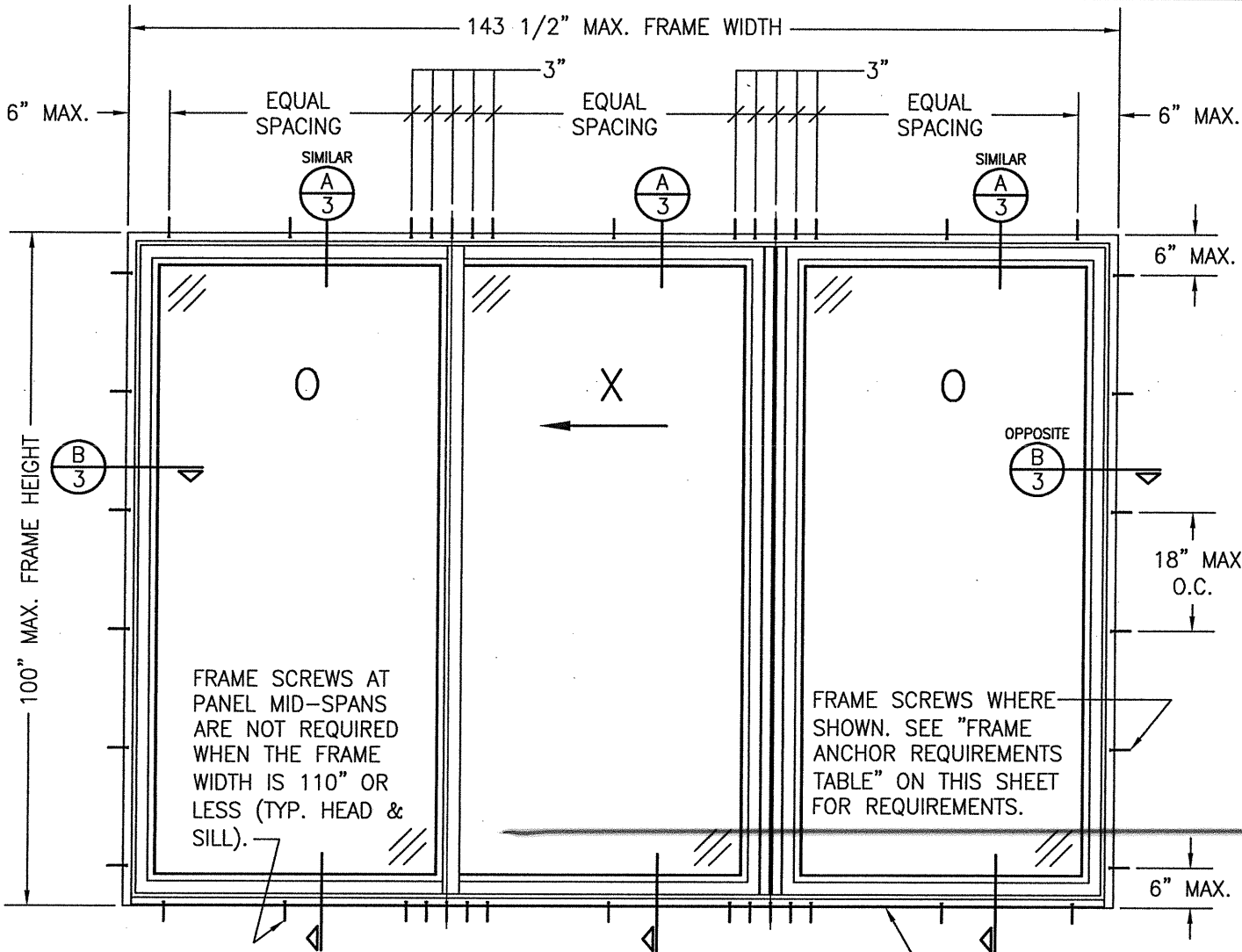
ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE CAPABLE OF SUPPORTING ALL LOADS IMPOSED ON THEM UNDER THE GUIDELINES OF THIS DOCUMENT. ANY SUBSTRATES OR CONDITIONS OUTSIDE OF WHAT IS SHOWN HERE-IN SHALL BE SUBJECT TO JOB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

ALLOWABLE DESIGN PRESSURE

(OXO, OX, XO & O DOORS)

+/-50 PSF

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

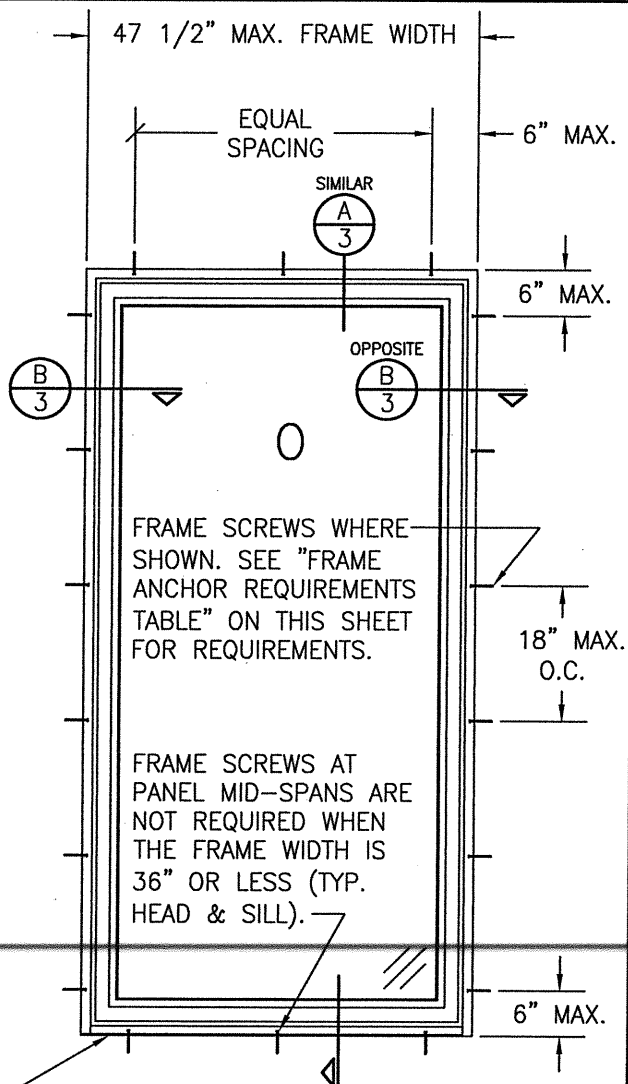


EXTERIOR ELEVATION:

"OXO" DOORS

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

SET SILL IN A BED OF SEALANT PER SECTION A/3 & B/3

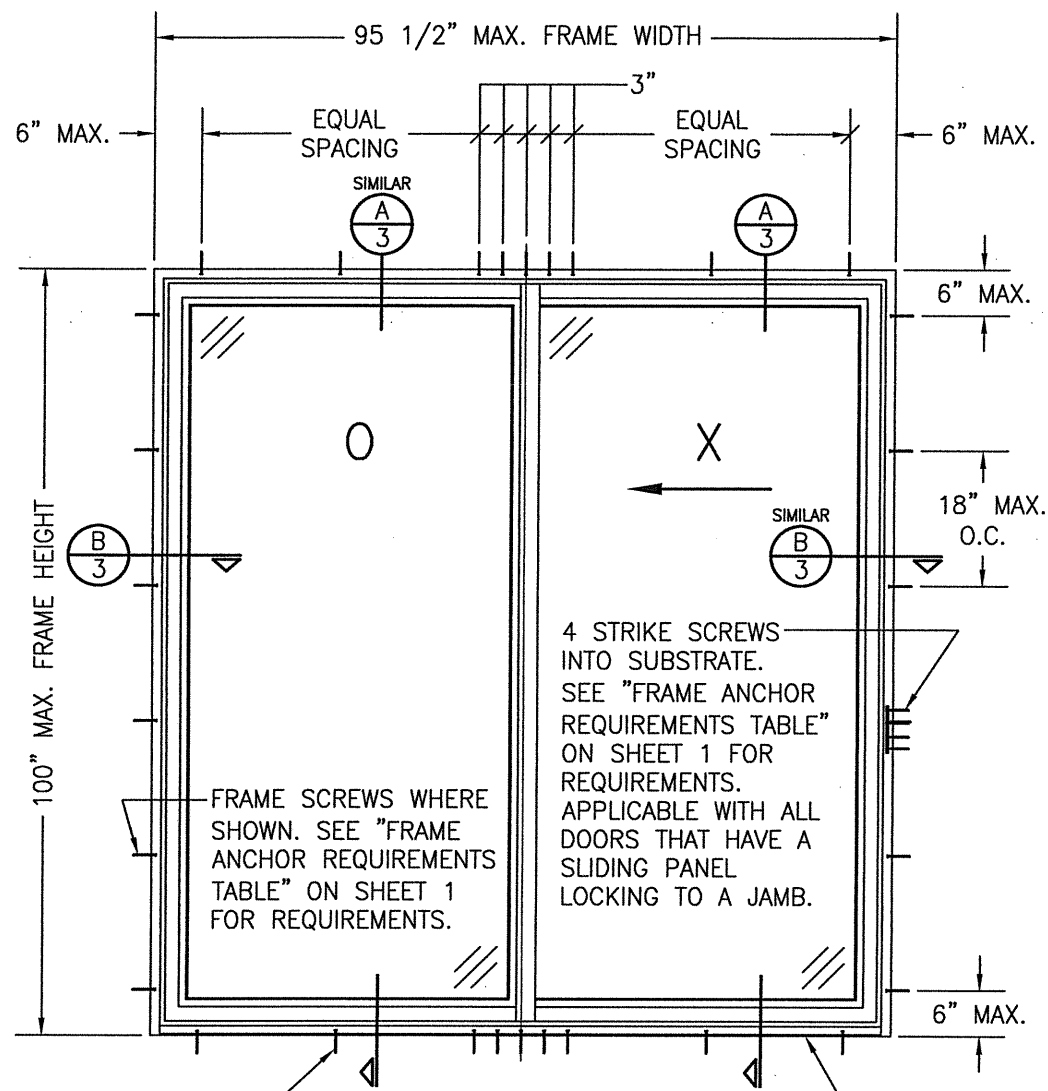


EXTERIOR ELEVATION:

"O" DOOR

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

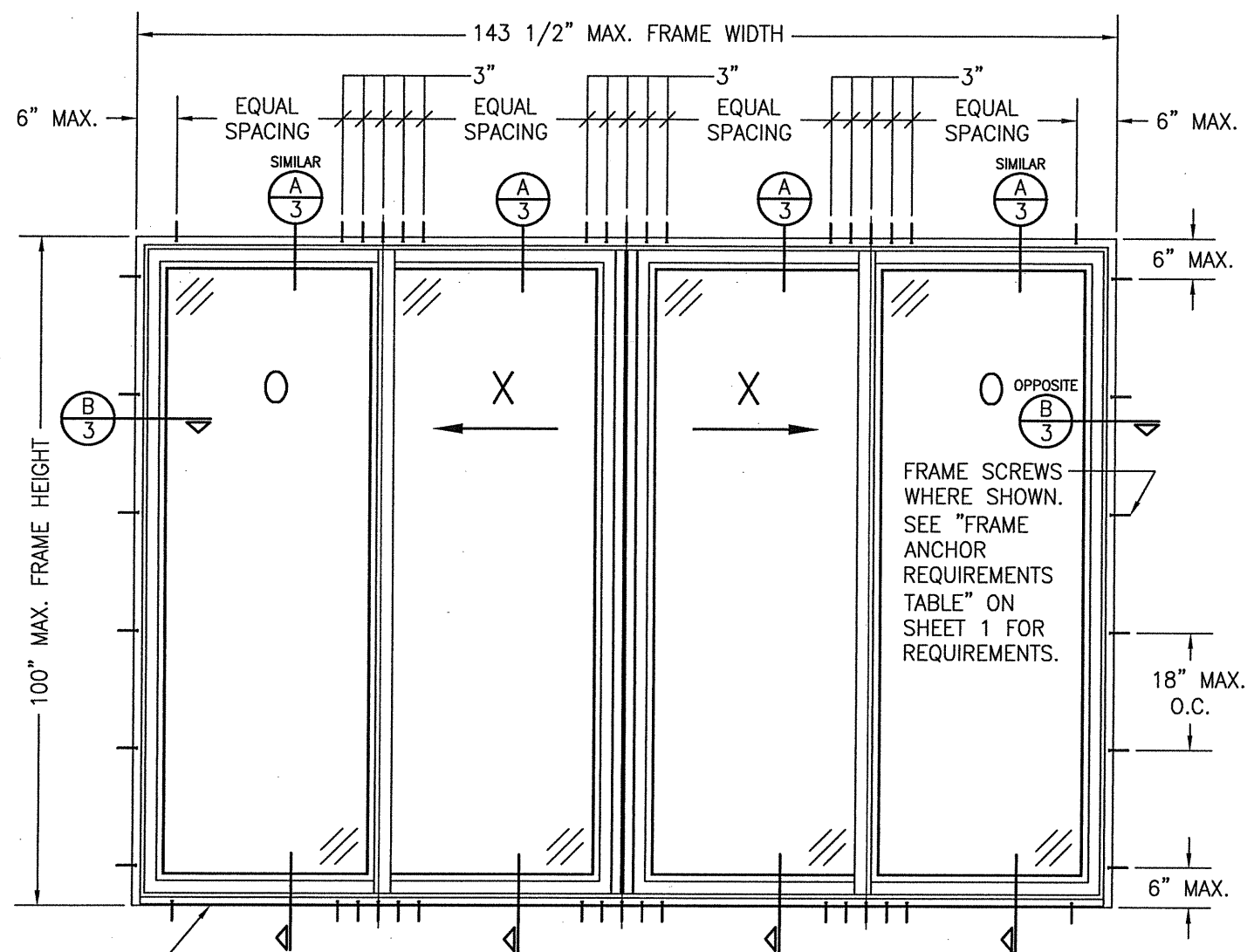
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 07/30/10	
DATE	BY	W.R.M.	W.W.S.
07/07/14			
11/16/17			
03/25/20			
NO.	REVISION DESCRIPTION	W.R.M.	W.W.S.
A1	UPDATE TO CURRENT STANDARDS		
B1	UPDATE TO CURRENT STANDARDS		
C1	UPDATE FOR NEW TESTING		
DRAWING TITLE: 350 SERIES PREMIUM VINYL NON-IMPACT SLIDING GLASS DOOR			
CONSULTANTS		PELLA CORPORATION	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		102 MAIN STREET	
7480 150TH COURT NORTH		PELLA, IA 50219	
PALM BEACH GARDENS, FL 33418		641-621-1000	
PHONE: 561-744-3424			
DRAWING NO. 1712		REV. C	
SHEET NO. 1 OF 3			



FRAME SCREWS AT PANEL MID-SPANS ARE NOT REQUIRED WHEN THE FRAME WIDTH IS 72" OR LESS (TYP. HEAD & SILL).

EXTERIOR ELEVATION:
"OX" & "XO" DOORS
 SCALE: 1/2" = 1'-0"

SET SILL IN A BED OF SEALANT PER SECTION A/3 & B/3



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

ALLOWABLE DESIGN PRESSURE
 (OXXO DOORS)
 +/-35 PSF

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 07/30/10	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE 350 SERIES PREMIUM VINYL NON-IMPACT SLIDING GLASS DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CERTIFICATION MAR 26 2020 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1712	
SHEET NO. 2 OF 3		REV. C	

SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"

FRAME SCREW PER ELEVATION

1/4" MAX. SHIM AT EACH ANCHOR

SEALANT BY OTHERS

SEAL SPACE WITH LOW EXPANSION FOAM AROUND PERIMETER OF DOOR FRAME

EXTERIOR

FRAME HEIGHT

BONDED WASHER OR SEALANT REQUIRED AT EACH SILL FASTENER LOCATION.

SEALANT BY OTHERS

SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"

SET SILL IN A CONTINUOUS BED OF SEALANT

FRAME/SILL SCREW PER ELEVATION

1/4" MAX. SHIM OR GROUT

SECTION

SCALE: 1/2 FULL

A
3

INSTALLATION NOTE: WHILE NOT SHOWN, THE DOOR FRAME EXTRUSIONS CAN BE SUPPLIED WITH A FLANGE OR NAIL FIN TYPICALLY USED TO SEAL THE FRAME PERIMETER TO THE OUTER EDGE OF THE BUCK. USE OF THE FLANGE OR NAIL FIN IS ACCEPTABLE PROVIDING THE ANCHOR CONDITIONS SHOWN ARE UNCHANGED.

1/4" MAX. SHIM AT EACH ANCHOR

FRAME WIDTH

FRAME SCREW PER ELEVATION

SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"

SEAL SPACE WITH LOW EXPANSION FOAM AROUND PERIMETER OF DOOR FRAME

EXTERIOR

SECTION

SCALE: 1/2 FULL

B
3

SEALANT BY OTHERS

FRAME SCREW PER ELEVATION & "FRAME ANCHOR REQUIREMENTS TABLE"

SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 5 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).

SEALANT BY OTHERS

EXTERIOR

OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

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

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/30/10
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE: 350 SERIES PREMIUM VINYL NON-IMPACT SLIDING GLASS DOOR CONSULTANTS: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000 MANUFACTURER: Pella W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 CERTIFICATION: MAR 26 2020 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1712	REV. C
SHEET NO. 3	OF 3