

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.
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 ALUMINUM PARTS WITHIN THESE DOORS SHALL BE MINIMUM 6063-T6 ALUMINUM.

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.

OPENING TYPE (SUBSTRATE)	FRAME/FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/SILL SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	1"
MIN. 16 GA. 50 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4" 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"
LOCK KEEPER SCREWS			
MIN. 2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	1"
MIN. 16 GA. 50 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) 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.).			

MAXIMUM REQUIRED POSITIVE DESIGN PRESSURE	* MINIMUM SILL RISER REQUIRED
+65 PSF	3.5" TALL
+47.5 PSF	2.875" TALL
+30 PSF	2.25" TALL

NOTE: WHEN THE JOB REQUIRED POSITIVE DESIGN PRESSURE EXCEEDS THAT STATED IN THIS TABLE FOR THE RESPECTIVE SILL RISER, THE DOOR UNIT SHALL NOT BE APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS THE UNIT IS INSTALLED IN A NON-HABITABLE AREA WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THE UNIT IS INSTALLED AT A LOCATION PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

* SEE SILL SECTION FOR RISER
HEIGHT REFERENCE.

MAX. PANEL HEIGHT (IN.)	MAX. PANEL WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	
		POS.	NEG.
108	54	50.0	50.0
	48	54.2	54.2
	42	59.9	59.9
	36	65.0	67.7
	30	65.0	80.0
102	60	56.0	56.0
	54	57.5	57.5
	48	63.1	63.1
	42	65.0	70.4
	36	65.0	80.0
96	60	65.0	65.0
	54	65.0	69.1
	48	65.0	74.5
	42	65.0	80.0
90	60	65.0	69.3
	54	65.0	75.7
	48	65.0	80.0
84	60	65.0	74.3
	55	65.0	80.0
80	60	65.0	75.0
	56	65.0	80.0

PRESSURE TABLE NOTES:

- 1) ALLOWABLE PRESSURE IS BASED ON THE SIZE OF THE INDIVIDUAL PANELS WITHIN THE DOOR REGARDLESS OF THE OVERALL SIZE OF THE DOOR UNIT.
- 2) SEE "SILL RISER REQUIREMENTS" TABLE ON THIS SHEET FOR POSITIVE PRESSURE RESTRICTION WITH RESPECT TO WATER RATING.
- 3) VALUES BETWEEN THOSE SHOWN IN THIS TABLE MAY BE INTERPOLATED.

MAX. PANEL HEIGHT (IN.)	MAX. PANEL WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	
		POS.	NEG.
96	42	65.0	65.0
90	44 3/4	65.0	65.0
84	48	65.0	65.0
80	50 1/2	65.0	65.0

PRESSURE TABLE NOTES:

- 1) ALLOWABLE PRESSURE IS BASED ON THE SIZE OF THE INDIVIDUAL PANELS WITHIN THE DOOR REGARDLESS OF THE OVERALL SIZE OF THE DOOR UNIT.
- 2) SEE "SILL RISER REQUIREMENTS" TABLE ON THIS SHEET FOR POSITIVE PRESSURE RESTRICTION WITH RESPECT TO WATER RATING.

- CMU IS APPLICABLE
AT SIDES ONLY.

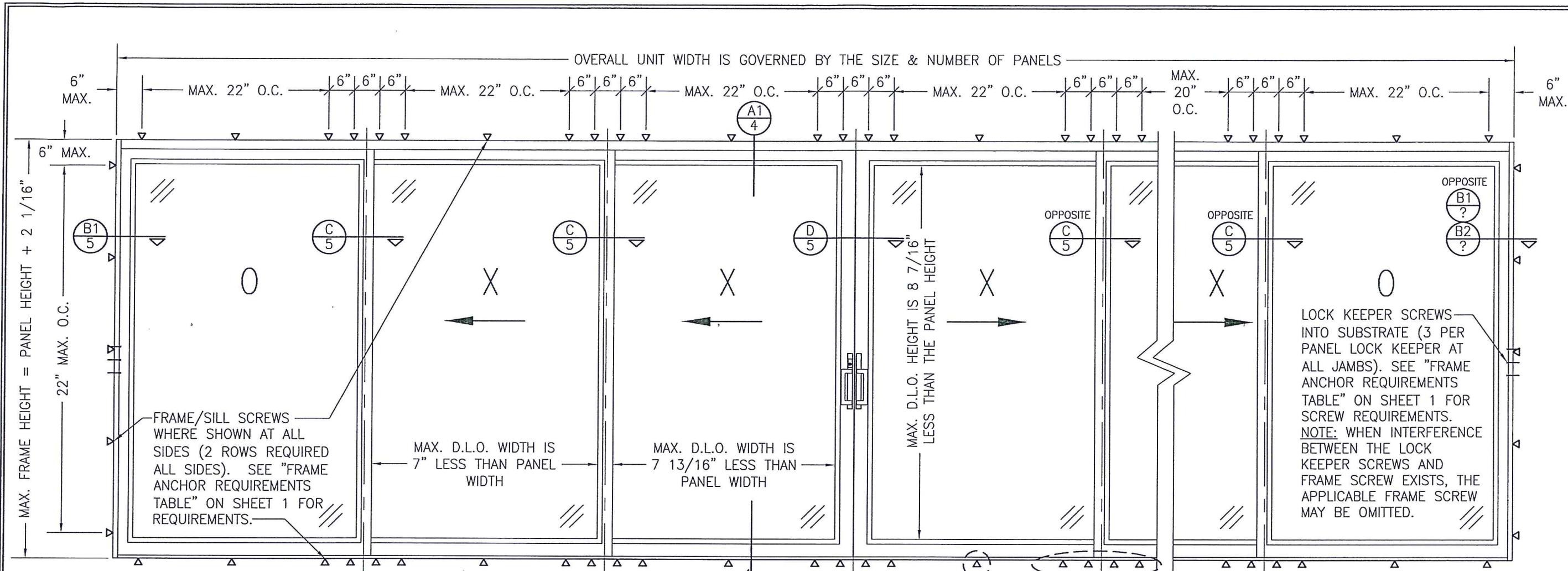
LOCKS: DUAL POINT LOCK IS REQUIRED AT EACH JAMB (WHETHER FIXED OR SLIDING PANEL) TYPICALLY LOCATED APPROXIMATELY 46" FROM BOTTOM OF PANEL TO CENTER OF LOCK BOX BUT CAN BE PLACED UP TO 57" FROM BOTTOM OF PANEL.

ROLLERS: TANDEM ROLLERS WITH 1.5" WHEELS LOCATED APPROXIMATELY 6" TO 8" FROM THE PANEL CORNERS TO CENTER OF ROLLER ASSEMBLY.

NOTE: ALL HARDWARE SHALL BE THOSE MODELS AND BRANDS USED IN THE TESTING APPLICABLE TO THIS APPROVAL.

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.

[illegible]



EXTERIOR ELEVATION:
6-PANEL OXX-XXO DOOR

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

OXX-XXO DOOR IS SHOWN. SEE TABLE ON THIS SHEET FOR ALL CONFIGURATIONS THAT APPLY.

APPROVED CONFIGURATIONS

OX, XO, XX
O-XO, O-XX, OX-O, XX-O
OX-XO, XX-XX, OX-XX, XX-XO
OXX, XXO, XXX
XXX-O, OXX-O, O-XXX, O-XXO
OXX-XO, XXX-XX, OXX-XX, XXX-XO, OX-XXX, XX-XXO, XX-XXX, OX-XXO
OXX-XXO, XXX-XXX, XXO-OXX

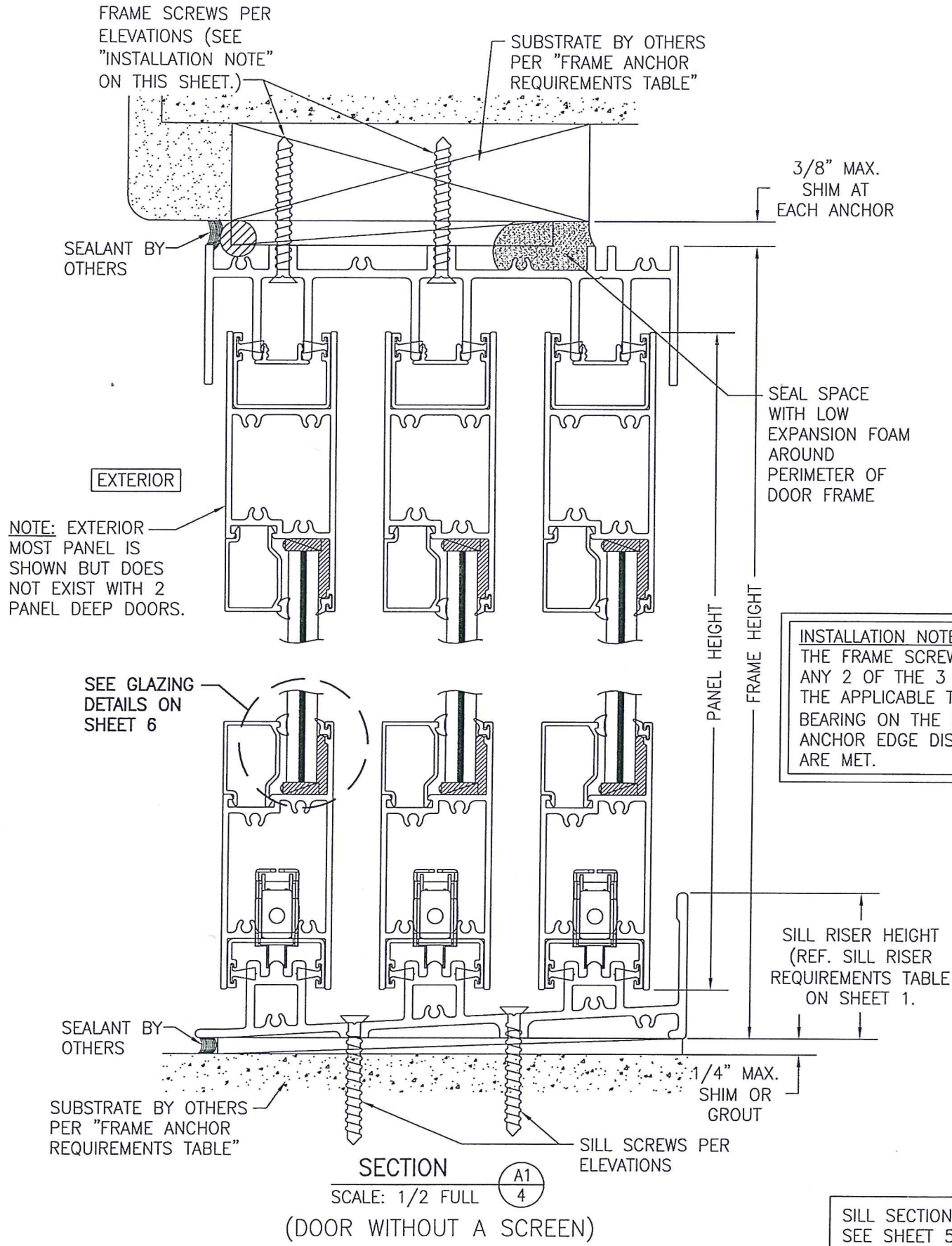
LEGEND

SYMBOL	DEFINITION
O	FIXED PANEL
X	SLIDING PANEL
X-X	BI-PARTING MEETING CONDITION
O-X	

CONFIGURATION NOTES:

- CONDITIONS SHOWN ARE THE MAJORITY OF THOSE USED. OTHER CONDITIONS OF "O" & "X" PANELS MAY APPLY PROVIDING THEY ARE WITHIN THE SCOPE OF THE DETAILS WITHIN THIS DRAWING.

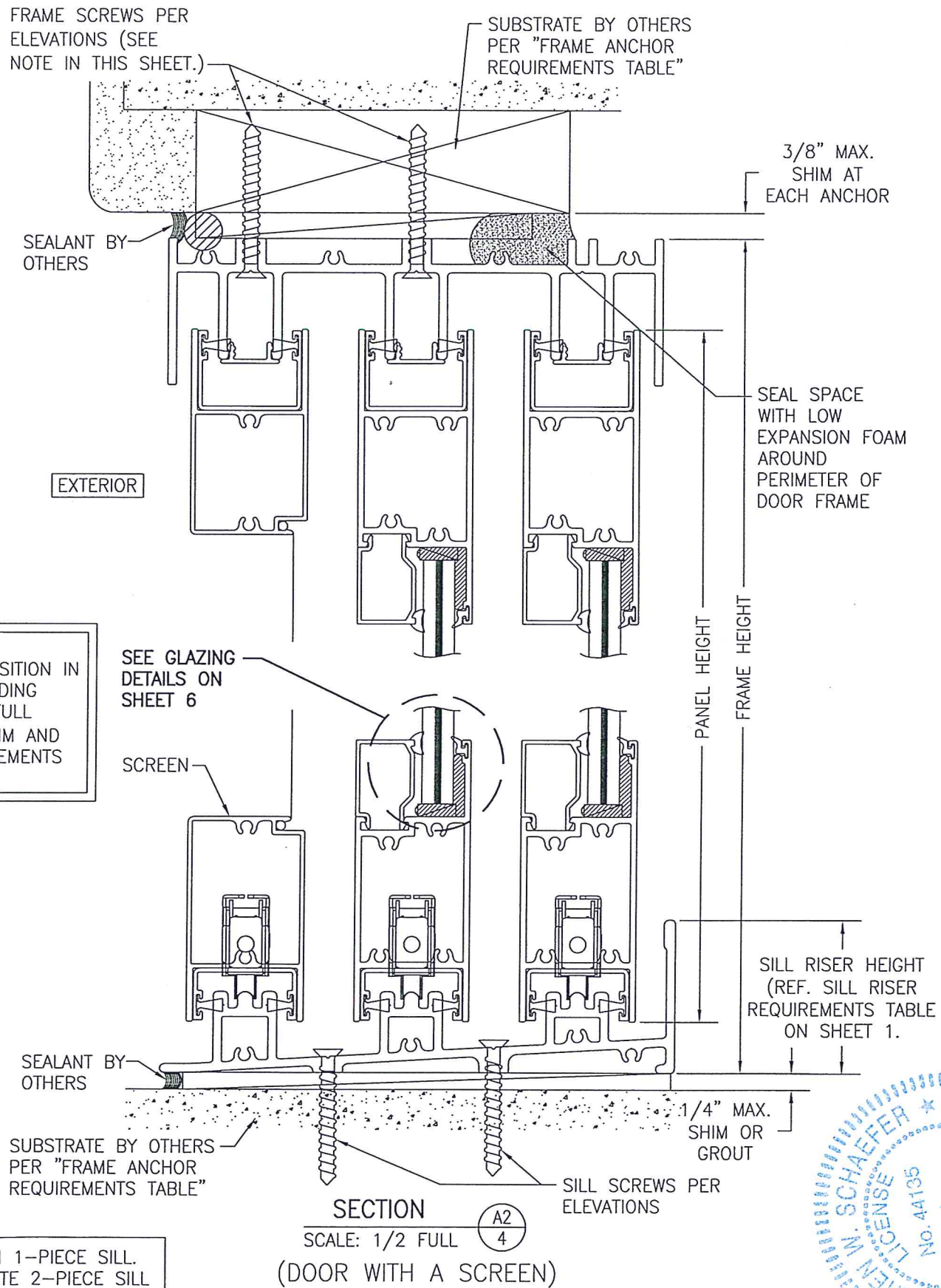
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 11/21/19
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE PELLA IMPACT ALUMINUM STANDARD SLIDING DOORS	
JOB INFORMATION: PELLA CORPORATION 8291 FORSHEE DRIVE; UNIT 4 JACKSONVILLE, FL 32219 904-632-7400	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION DEC 12 2019	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1966	REV.
SHEET NO. 2 OF 6	



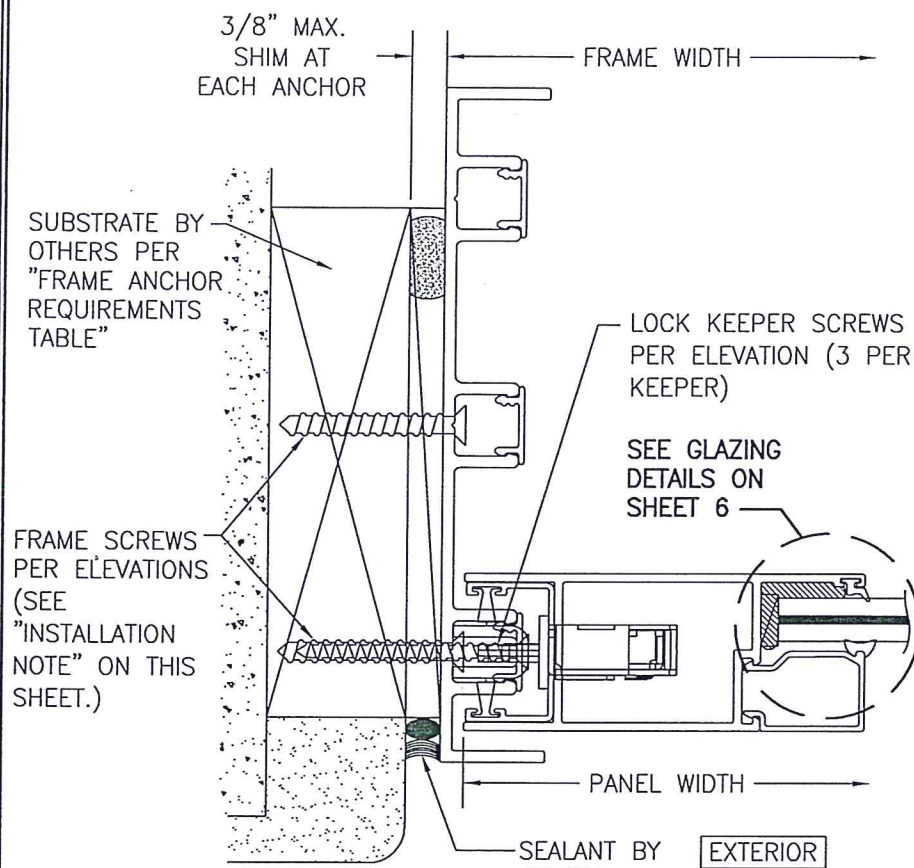
NOTE: 3-PANEL DEEP DOOR CONDITION IS SHOWN. WITH 2-PANEL DEEP DOORS, IF THERE IS NO SCREEN, THE EXTERIOR MOST PANEL DOES NOT EXIST & THE 2 PANELS MAY BE PLACED ON EITHER THE INNER MOST OR OUTER MOST TRACKS.

INSTALLATION NOTE:
THE FRAME SCREWS MAY BE POSITION IN ANY 2 OF THE 3 TRACKS PROVIDING THE APPLICABLE TRACKS HAVE FULL BEARING ON THE SUBSTRATE/SHIM AND ANCHOR EDGE DISTANCE REQUIREMENTS ARE MET.

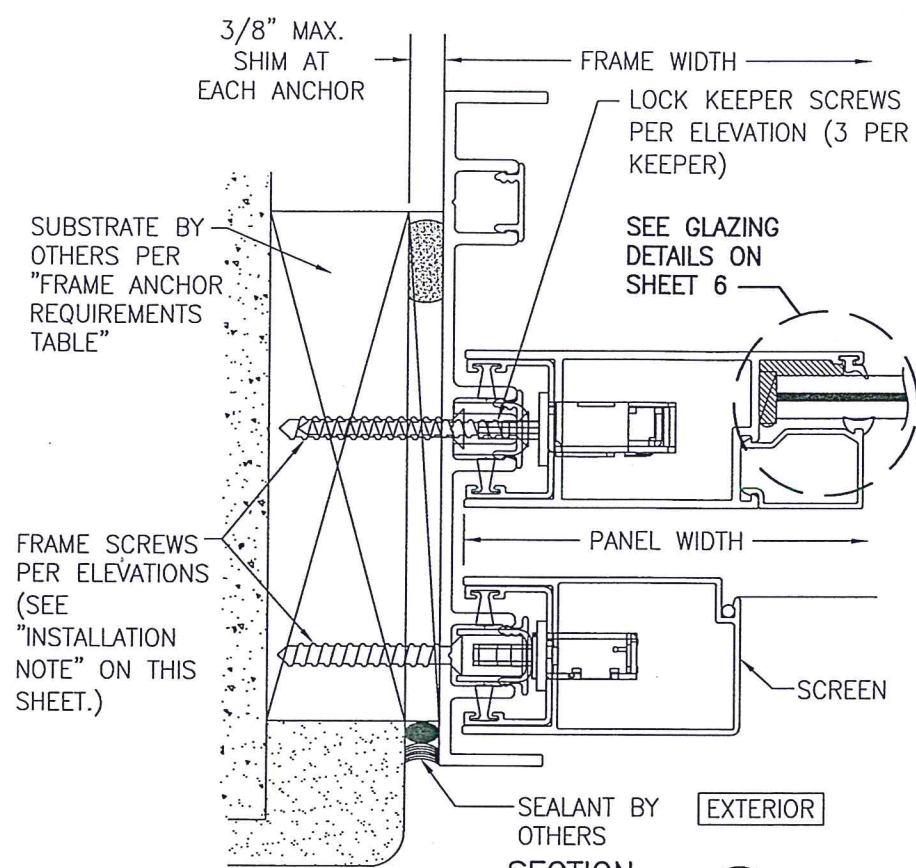
SILL SECTIONS SHOWN WITH 1-PIECE SILL. SEE SHEET 5 FOR ALTERNATE 2-PIECE SILL WITH SEPARATE RISER.



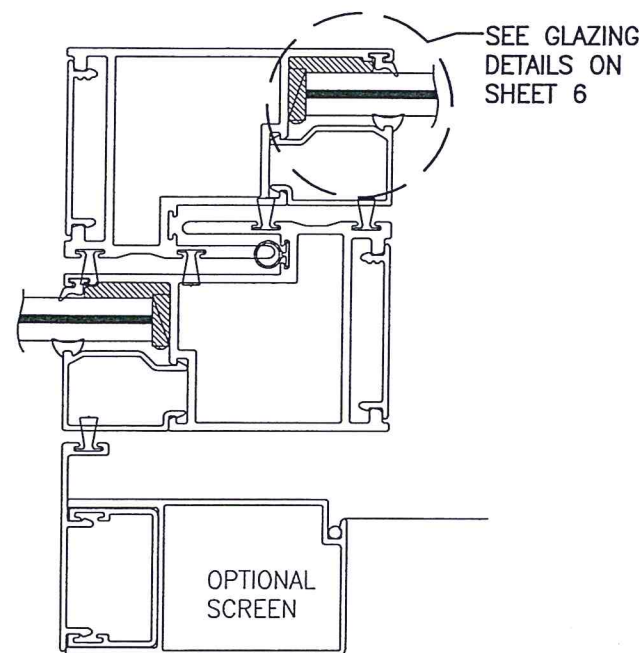
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/21/19	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE PELLA IMPACT ALUMINUM STANDARD SLIDING DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER PELLA CORPORATION 8291 FORSHEE DRIVE, UNIT 4 JACKSONVILLE, FL 32219 904-632-7400	
CERTIFICATION STATE OF FLORIDA WARREN W. SCHAEFER PROFESSIONAL ENGINEER NO. 44135 DEC 12 2019 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1966		REV.	
SHEET NO. 4 OF 6			



SECTION B1
SCALE: 1/2 FULL
(DOOR WITHOUT A SCREEN)

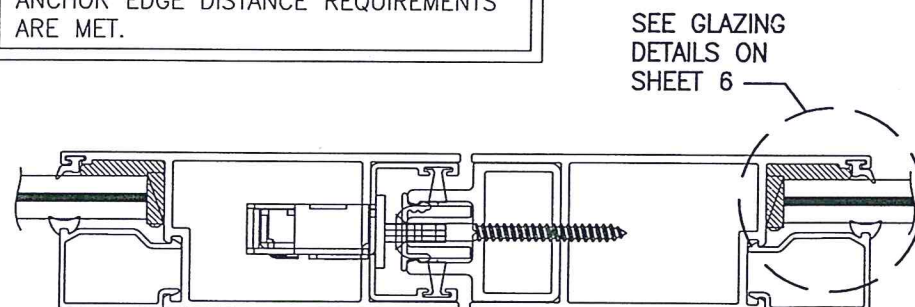


SECTION B2
SCALE: 1/2 FULL
(DOOR WITH A SCREEN)

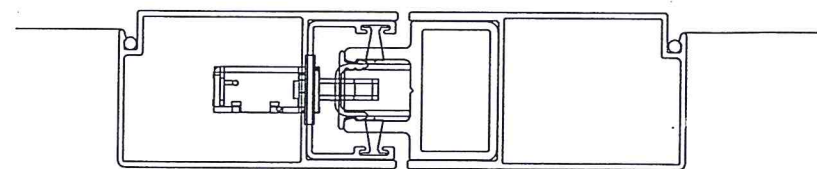


SECTION C
SCALE: 1/2 FULL

INSTALLATION NOTE:
THE FRAME SCREWS MAY BE POSITION IN ANY 2 OF THE 3 TRACKS PROVIDING THE APPLICABLE TRACKS HAVE FULL BEARING ON THE SUBSTRATE/SHIM AND ANCHOR EDGE DISTANCE REQUIREMENTS ARE MET.

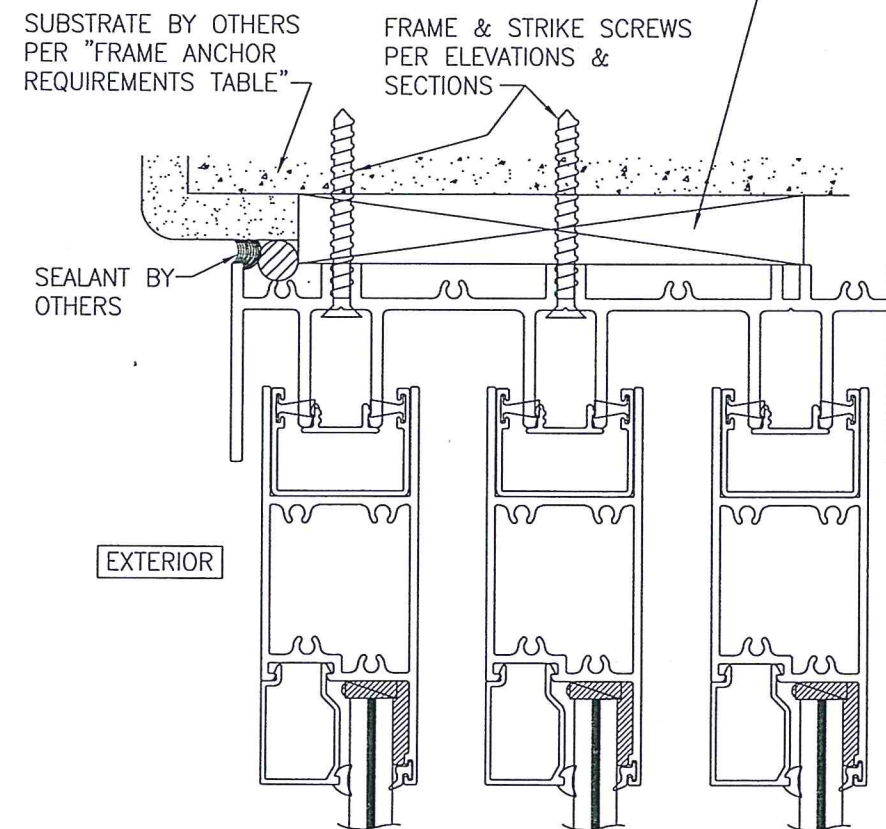


SECTION D
SCALE: 1/2 FULL
(DOOR MEETING STILE)



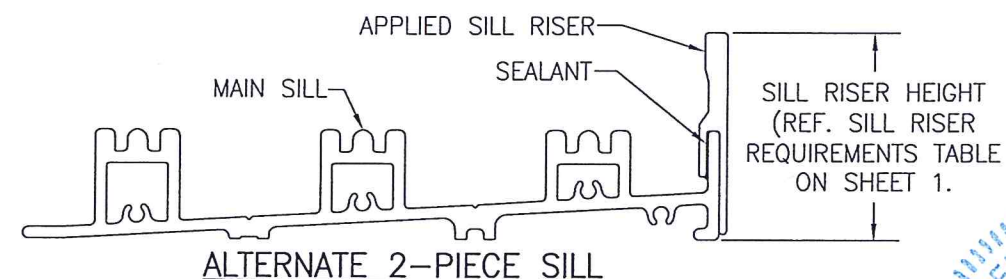
SECTION D
SCALE: 1/2 FULL
(SCREEN MEETING STILE)

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X_ BUCK TO BE MIN. 5 1/2" WIDE AS REQUIRED TO PROPERLY SUPPORT ALL ANCHORED TRACK SECTIONS (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS). NAIL OR SCREW TO SUBSTRATE AS REQUIRED TO POSITION AND SECURE IN PLACE.



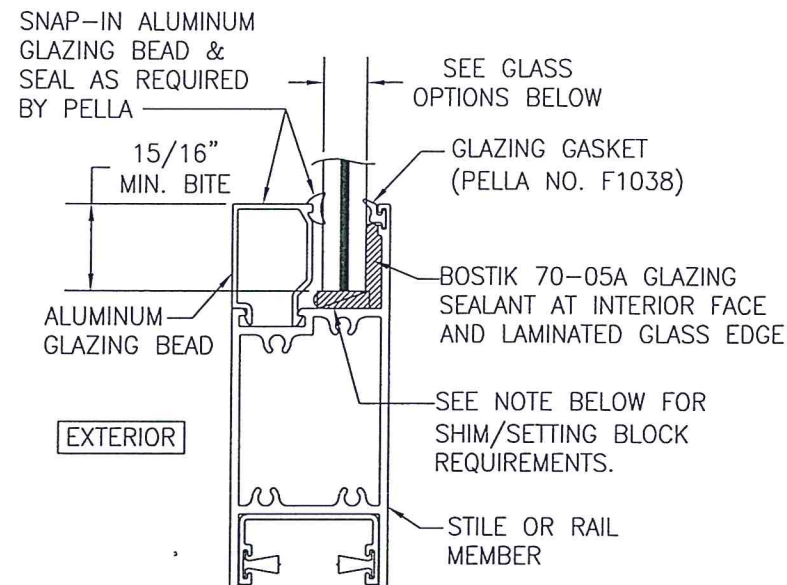
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
(DIRECT MOUNT CONDITION IS NOT APPLICABLE AT SILL)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



ALTERNATE 2-PIECE SILL

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 11/21/19
DATE	BY
REVISION DESCRIPTION	NO.
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MANUFACTURER PELLA CORPORATION 8291 FORSHEE DRIVE, UNIT 4 JACKSONVILLE, FL 32219 904-632-7400	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION DEC 12 2019 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1966	REV.
SHEET NO. 5	OF 6



TYPICAL GLAZING DETAIL
(NON-I.G. CONDITION)

NON-I.G. GLASS OPTIONS:

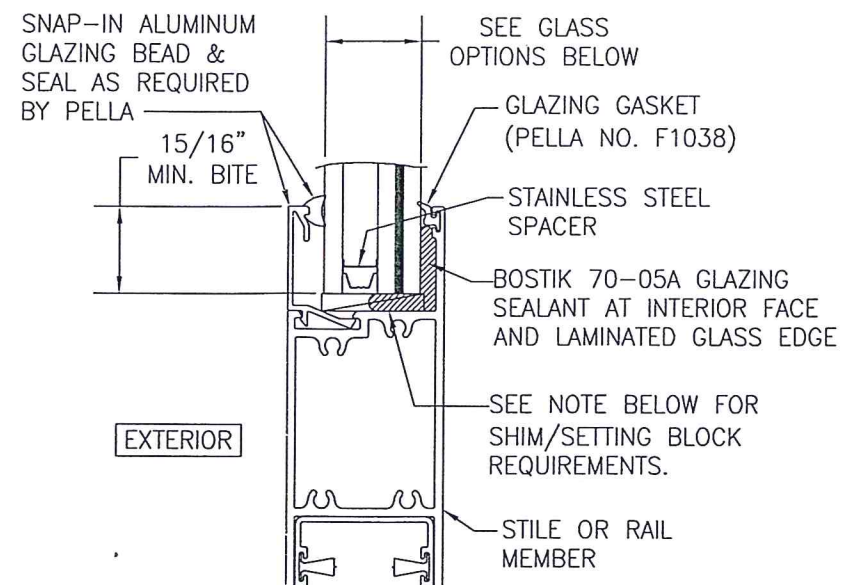
OPTION 1: 7/16" LAMINATED GLASS (3/16 HT. ST./0.09

KURARAY SG/3/16 HT. ST.)

OPTION 2: 7/16" LAMINATED GLASS (3/16 AN/0.09

KURARAY BUTICITE PVB/3/16 AN)

GLASS EDGE SETTING BLOCK REQUIREMENTS (NON-I.G. & I.G):
MIN. 1/8" THICK X 2" LONG FLEXIBLE PVC SHIMS
APPROXIMATELY 3" OFF CORNERS AND 16" MAX. O.C. AT ALL
SIDES. WIDTH OF SHIM SHALL BE AS REQUIRED TO MEET THE
OVERALL GLASS THICKNESS.



TYPICAL GLAZING DETAIL
(I.G. CONDITION)

I.G. GLASS OPTIONS:

OPTION 3: 1" THICK I.G. GLASS (MIN. 3/16" TEMP.
EXTERIOR; 11/32" SPACER; 3/16" HS/0.09 KURARAY
SG/3/16 HS INTERIOR

OPTION 4: 1" THICK I.G. GLASS (MIN. 3/16" TEMP.
EXTERIOR; 11/32" SPACER; 3/16" AN/0.09 KURARAY
BUTICITE PVB/3/16" AN INTERIOR

CERTIFICATION
DEC 12 2019

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

DRAWING NO.
1966

REV.
6 OF 6

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PLOT: 1=24		DATE: 11/21/19	
NO.	REVISION	DESCRIPTION	DATE
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