

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED 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 HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN DESIGNED 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. 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 THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. 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.
11. 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.

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.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
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"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"

ANGLE CLIP INSTALLATION SCREWS

MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	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"

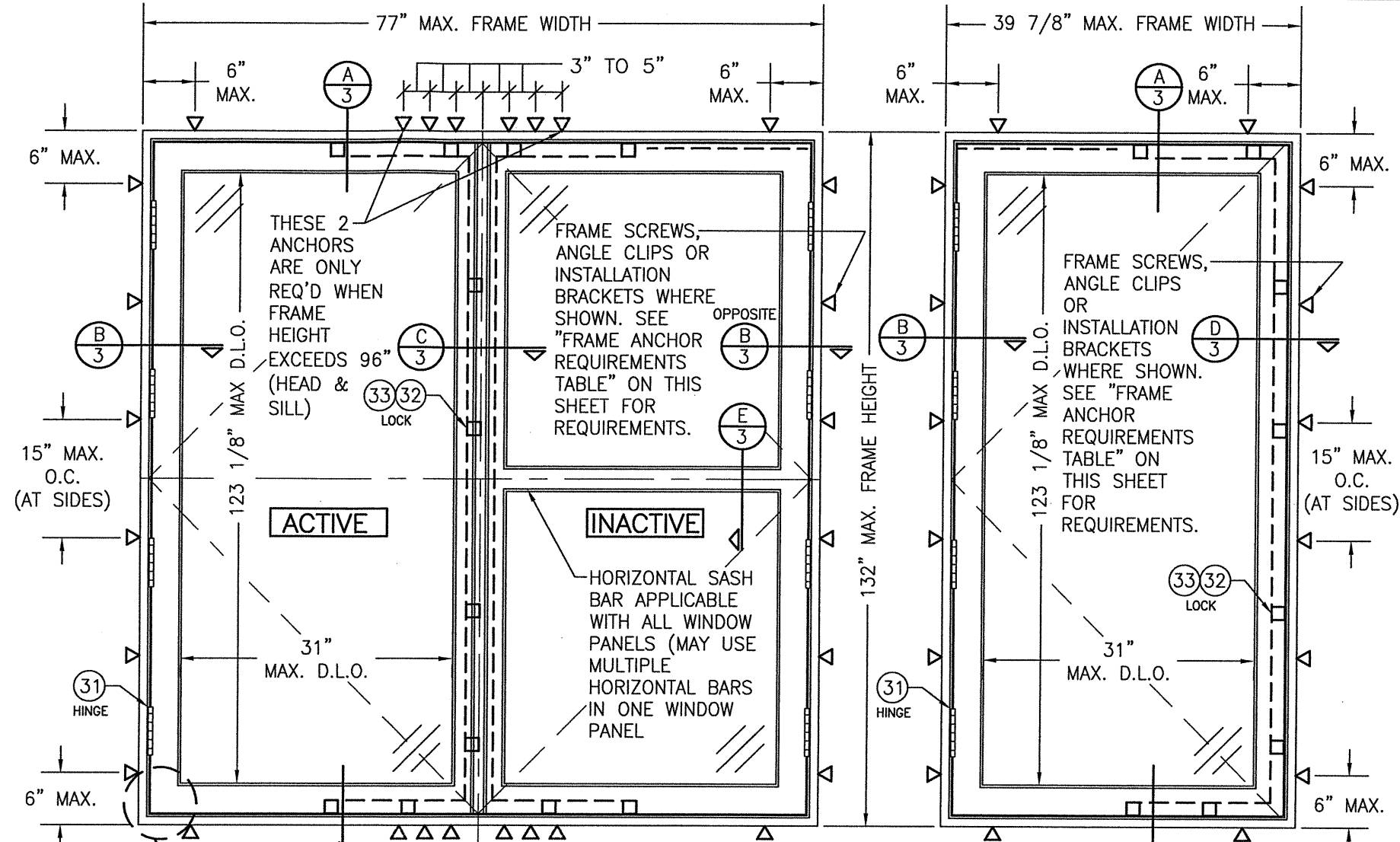
NARROW INSTALLATION BRACKET SCREWS

MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	3/4"
MIN. 16 GA. 50 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"

WIDE INSTALLATION BRACKET SCREWS

MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	3/4"
MIN. 16 GA. 50 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) MIN. C-90 CMU	(1) 3/16" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	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) CMU IS APPLICABLE AT SIDES ONLY (NOT APPLICABLE AT HEAD OR SILL).



EXTERIOR ELEVATION:
DOUBLE RECTANGULAR WINDOWS

SCALE: N.T.S.

EXTERIOR ELEVATION:
SINGLE RECTANGULAR WINDOW

SCALE: N.T.S.

ALLOWABLE DESIGN PRESSURE
(ALL WINDOW CONDITIONS)

+/-70 PSF

LOCK STRIKE REQUIREMENTS

(TOP & BOTTOM OF PANEL)		(LOCK SIDE OF PANEL)	
(1)(2) MAX. SASH PANEL HEIGHT	QUANTITY PER PANEL	(1)(3) MAX. SASH PANEL HEIGHT	QUANTITY PER PANEL
ALL PANEL SHAPES		ALL PANEL SHAPES	
OVER 94 1/4"	3	OVER 105 1/2"	5
94 1/4"	2	105 1/2"	4
42 1/8"	1	79"	3
		53"	2

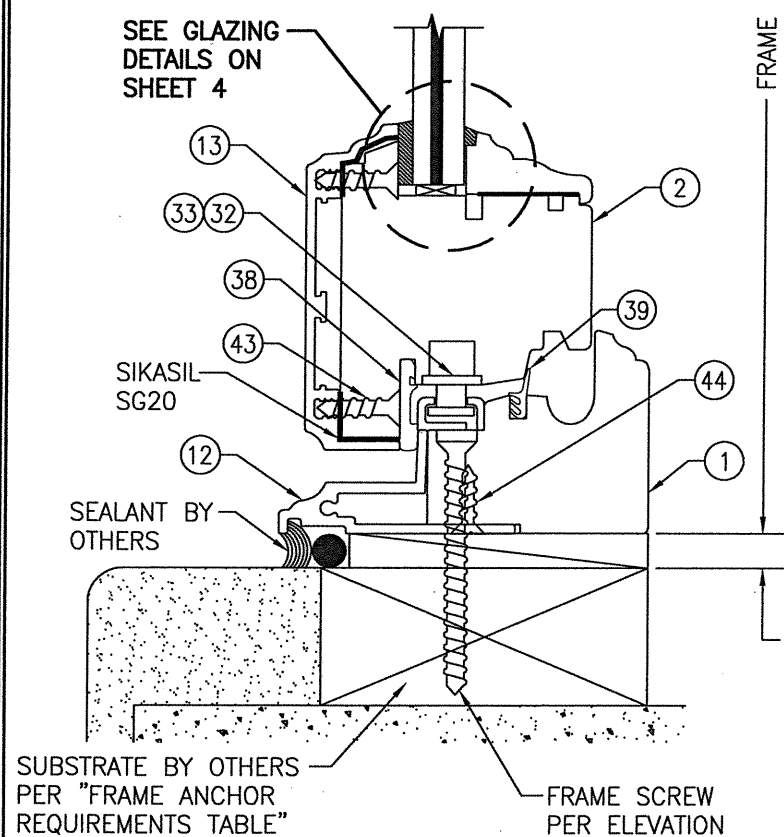
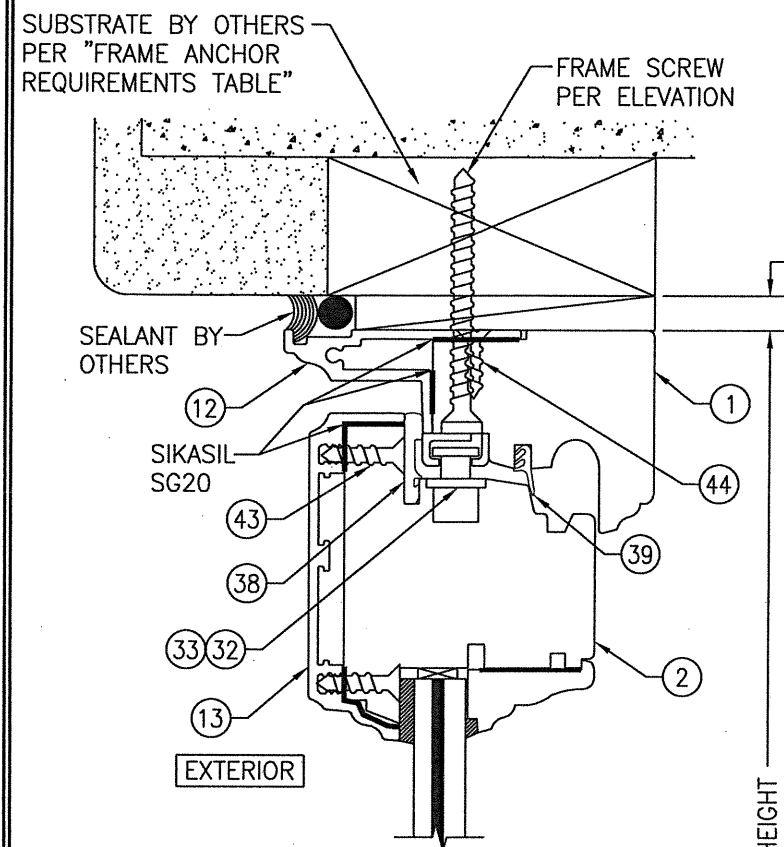
- (1) SASH PANEL HEIGHT DIMENSION IS APPROXIMATELY 1 3/4" LESS THAN THE FRAME HEIGHT
- (2) NUMBER OF TOP & BOTTOM LOCK POINTS MAY BE REDUCED TO 2 WHEN SASH PANEL WIDTH IS LESS THAN 25" & TO 1 WHEN SASH PANEL WIDTH IS LESS THAN 13" REGARDLESS OF PANEL HEIGHT
- (3) LOCK STRIKES AT MEETING STILES OF DOUBLE WINDOWS ARE NOT REQUIRED WHEN GU HARDWARE (ITEM #33 IS USED.

HINGE TABLE

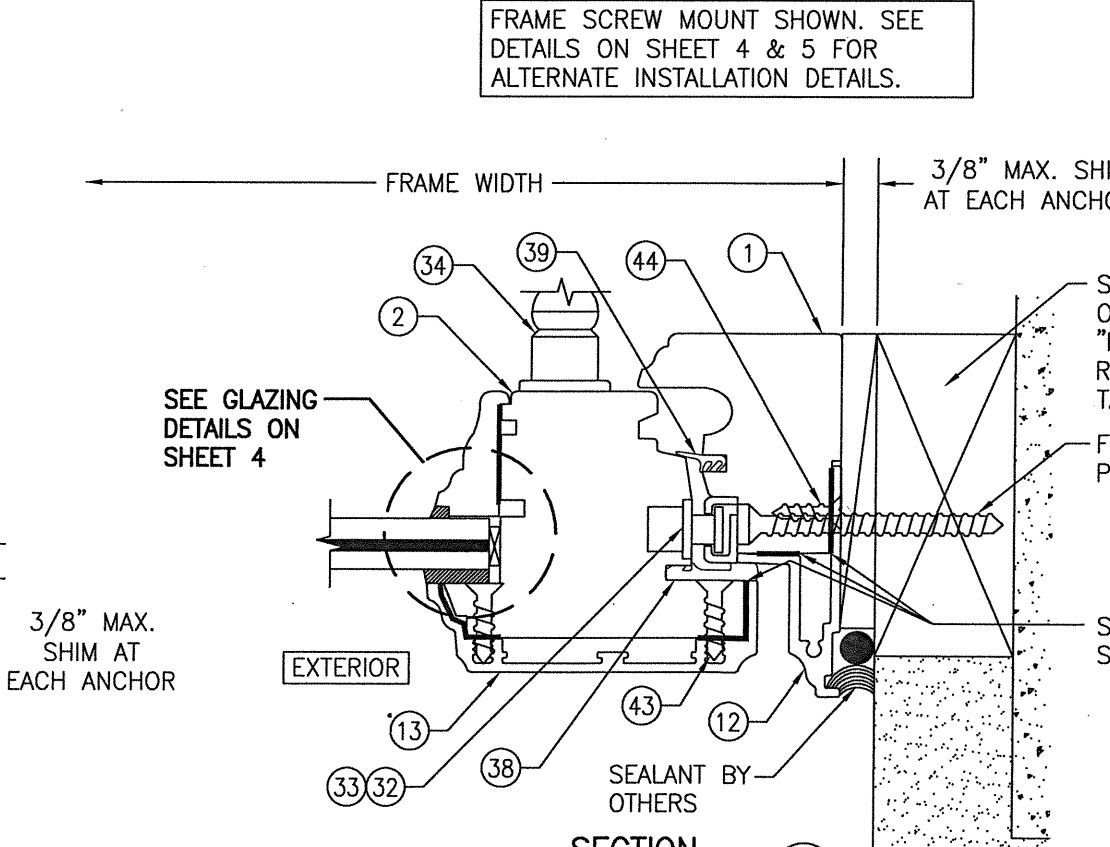
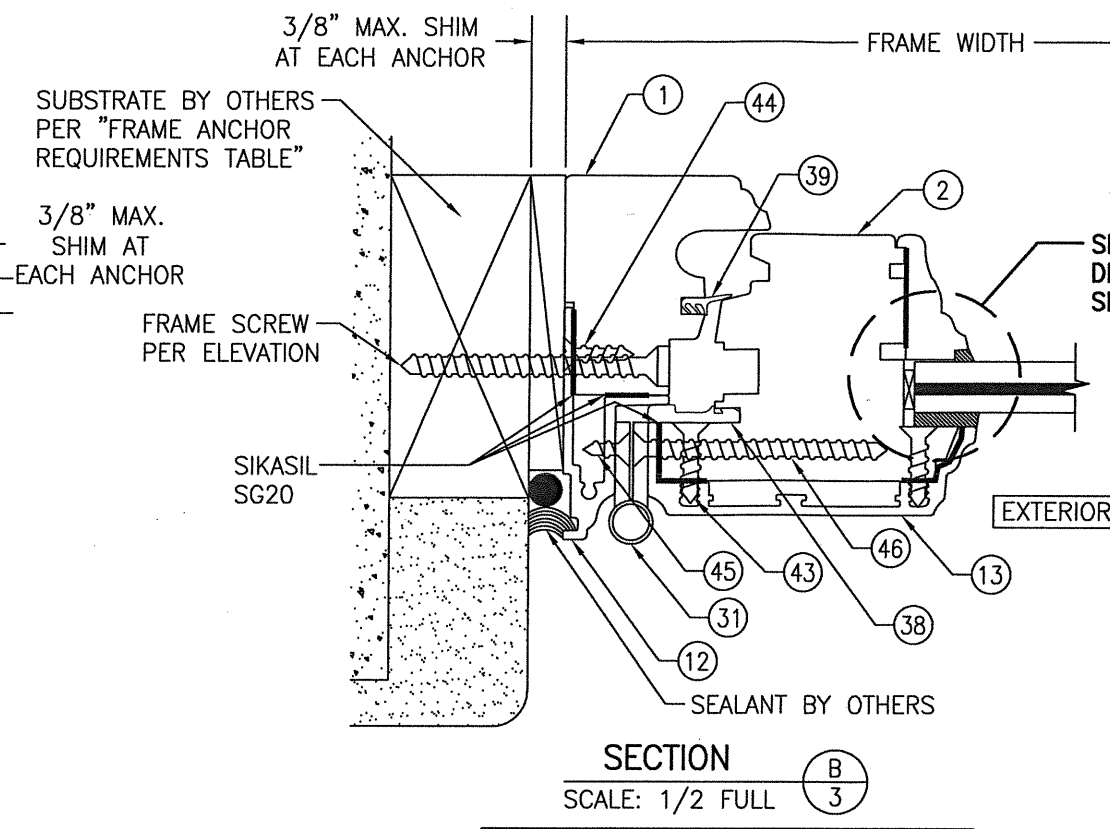
WINDOW SHAPE	HINGE REQUIREMENTS
HALF-ROUND TOP	CENTERLINE OF HINGES SHALL BE LOCATED 8" FROM BOTTOM OF SASH PANEL, 2 3/4" FROM SPRINGLINE AND MAX. 28 1/2" O.C. BETWEEN.
ALL OTHER SHAPES	CENTERLINE OF HINGES SHALL BE LOCATED 8" FROM TOP & BOTTOM OF SASH PANEL CORNERS AND MAX. 28 1/2" O.C. BETWEEN.

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.

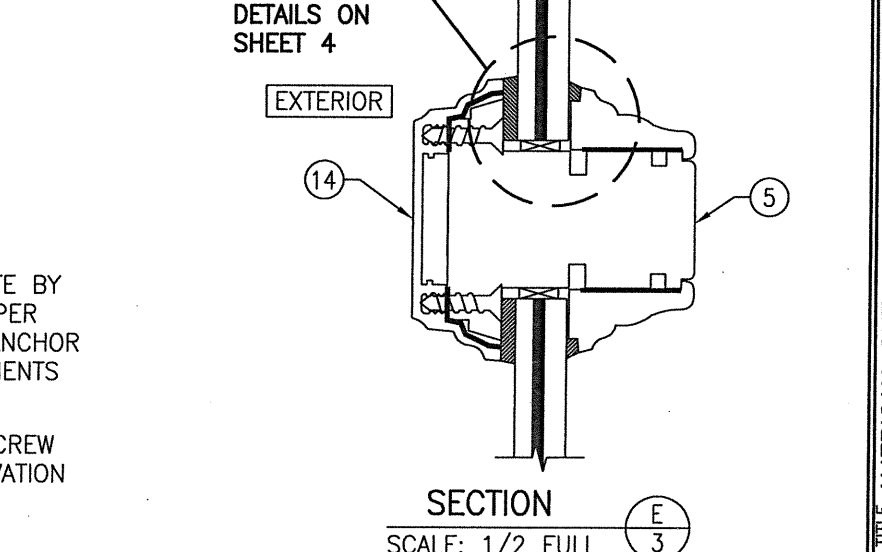
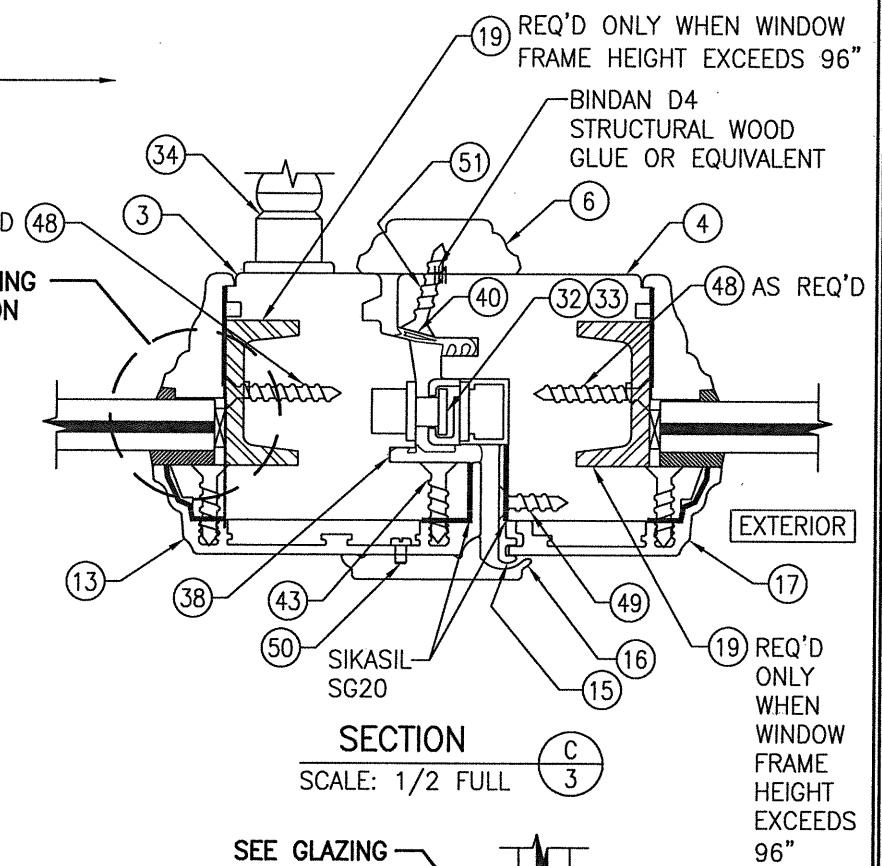
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PLOT: 1=16		DATE: 07/05/12	
DATE	BY	REVISION	DESCRIPTION
07/09/17	W.W.S.	A1	UPDATE TO CURRENT STANDARDS
04/17/20	W.W.S.	B1	CHANGE TO STATE APPROVAL
MANUFACTURER PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING TITLE AMERICAN OUT-SWING BRONZE CLAD CASEMENT IMPACT WOOD WINDOWS			
CERTIFICATION JUN 02 2020 WARREN W. SCHAEFER P.E. NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER			
DRAWING NO. 1687		REV. B	
SHEET NO. 1		OF 6	



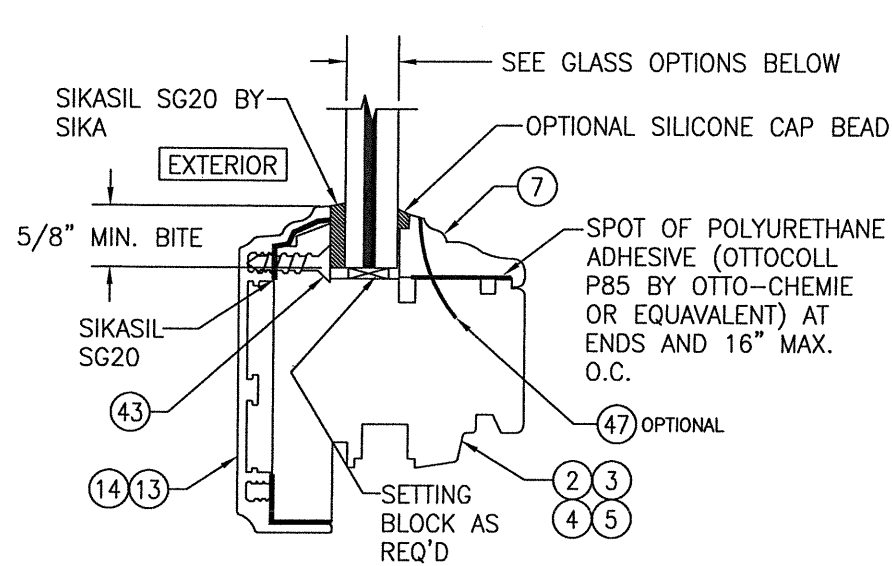
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 4 & 5 FOR ALTERNATE INSTALLATION DETAILS.



FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 4 & 5 FOR ALTERNATE INSTALLATION DETAILS.

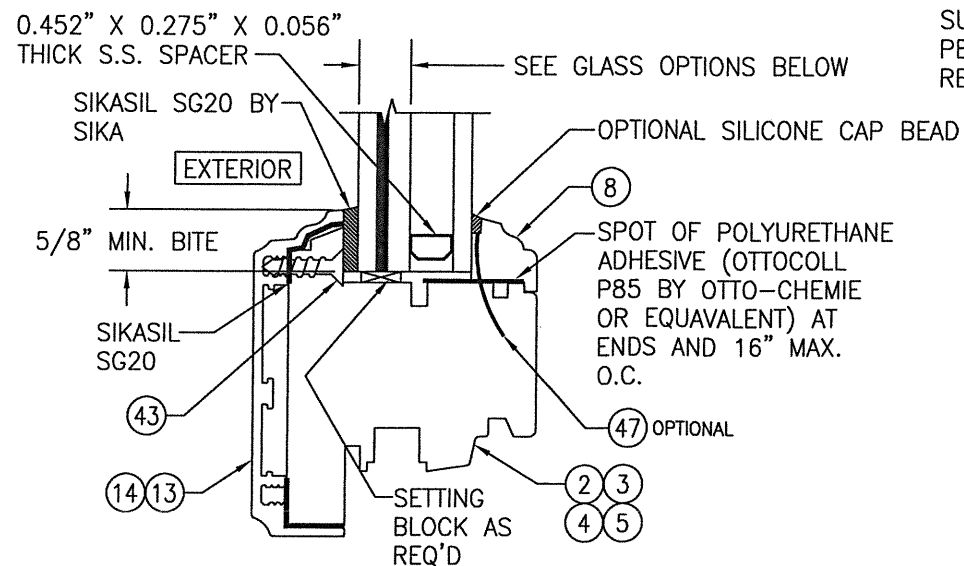


DRAWING TITLE				AMERICAN OUT-SWING BRONZE CLAD CASEMENT			
IMPACT WOOD WINDOWS							
CONSULTANTS				MANUFACTURER			
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.				PEETZ WINDOWS & DOORS			
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424				15951 S.W. 41ST STREET; SUITE 150 WESTON, FL 33331 954-659-3887			
CERTIFICATION							
JUN 02 2020							
WARREN W. SCHAEFER, P.E.							
P.E. NO. 44135							
DRAWING NO.				REV.			
1687				B			
SHEET NO.							
3				OF 6			



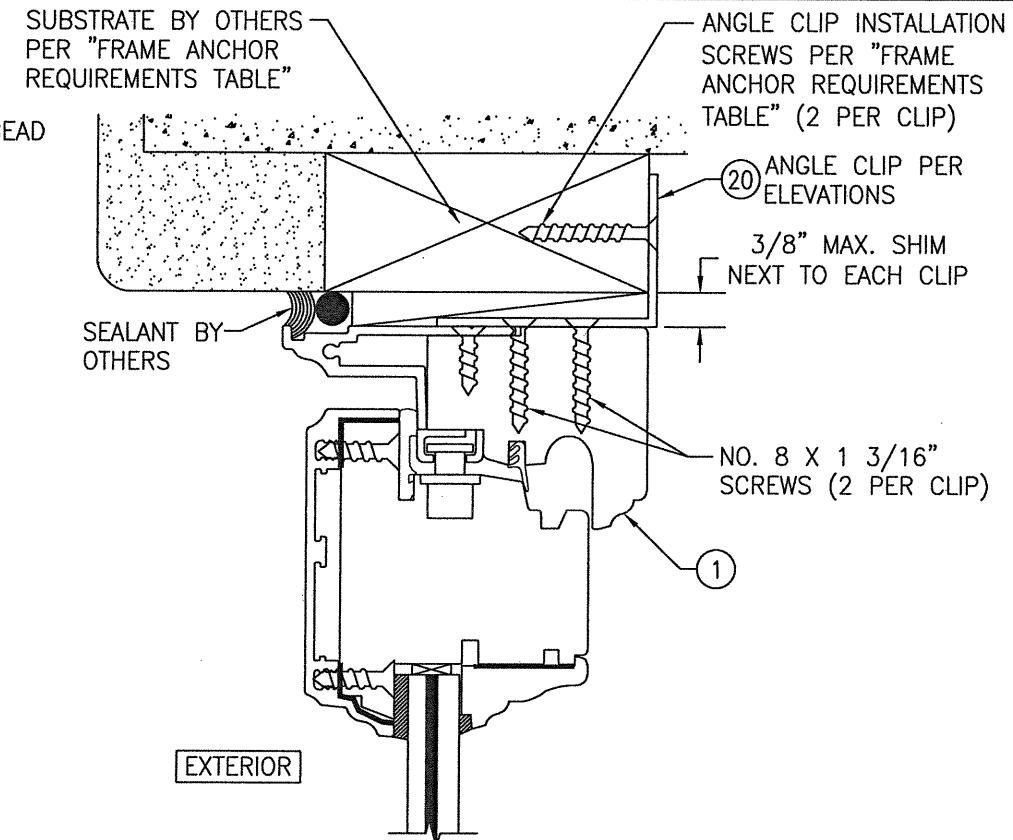
NON-I.G. GLAZING DETAIL
GLASS OPTIONS 1 & 2

GLASS OPTION 1: 1/2" LAMINATED GLASS (3/16 AN./0.075 EASTMAN CHEM. CO. SAFLEX CP/1/4 AN.)
NOTE: 3/16" THICK GLASS PANE IS AT EXTERIOR SIDE OF LAMINATED GLASS SECTION



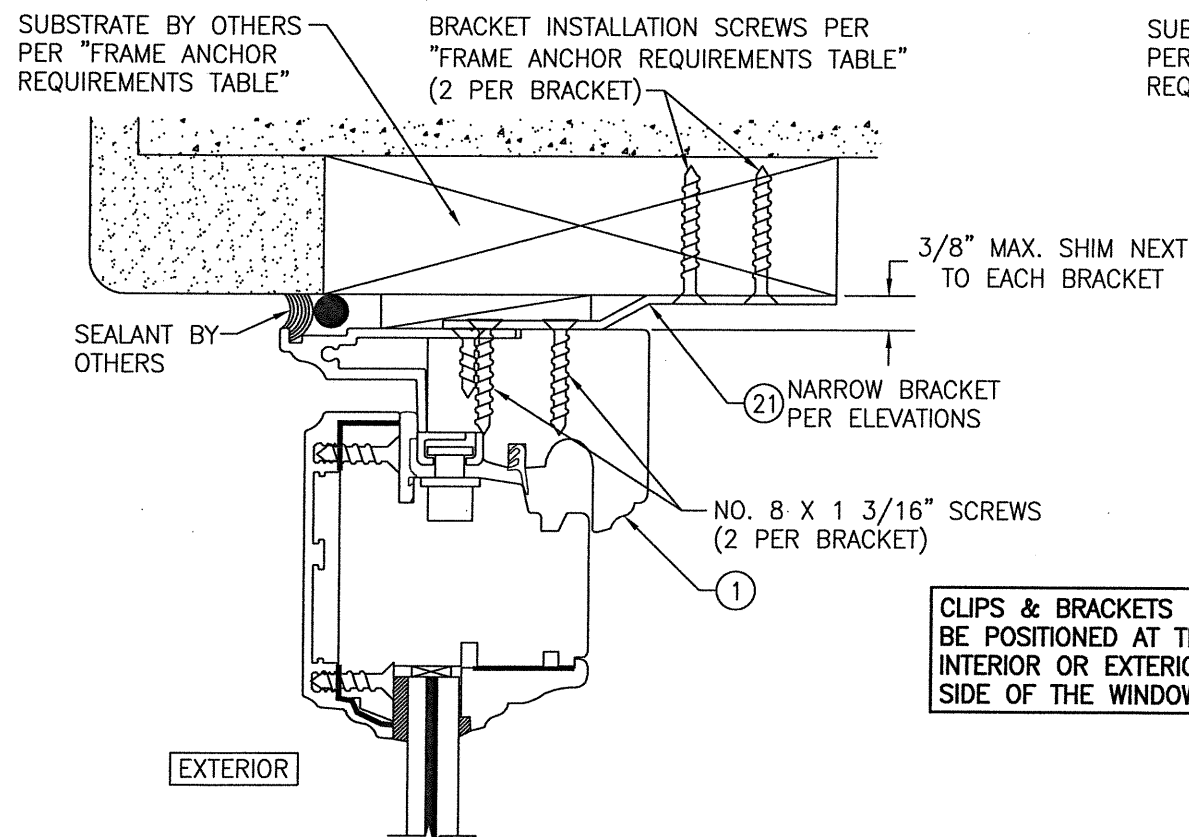
I.G. GLAZING DETAIL
GLASS OPTIONS 3 & 4

GLASS OPTION 2: 1 3/16" LAMINATED I.G. (3/16 AN./0.075 EASTMAN CHEM. CO. SAFLEX CP/1/4 AN./1/2 AIR SPACE/3/16 TEMP. INTERIOR)
NOTE: 3/16" THICK GLASS PANE IS AT EXTERIOR SIDE OF LAMINATED GLASS SECTION



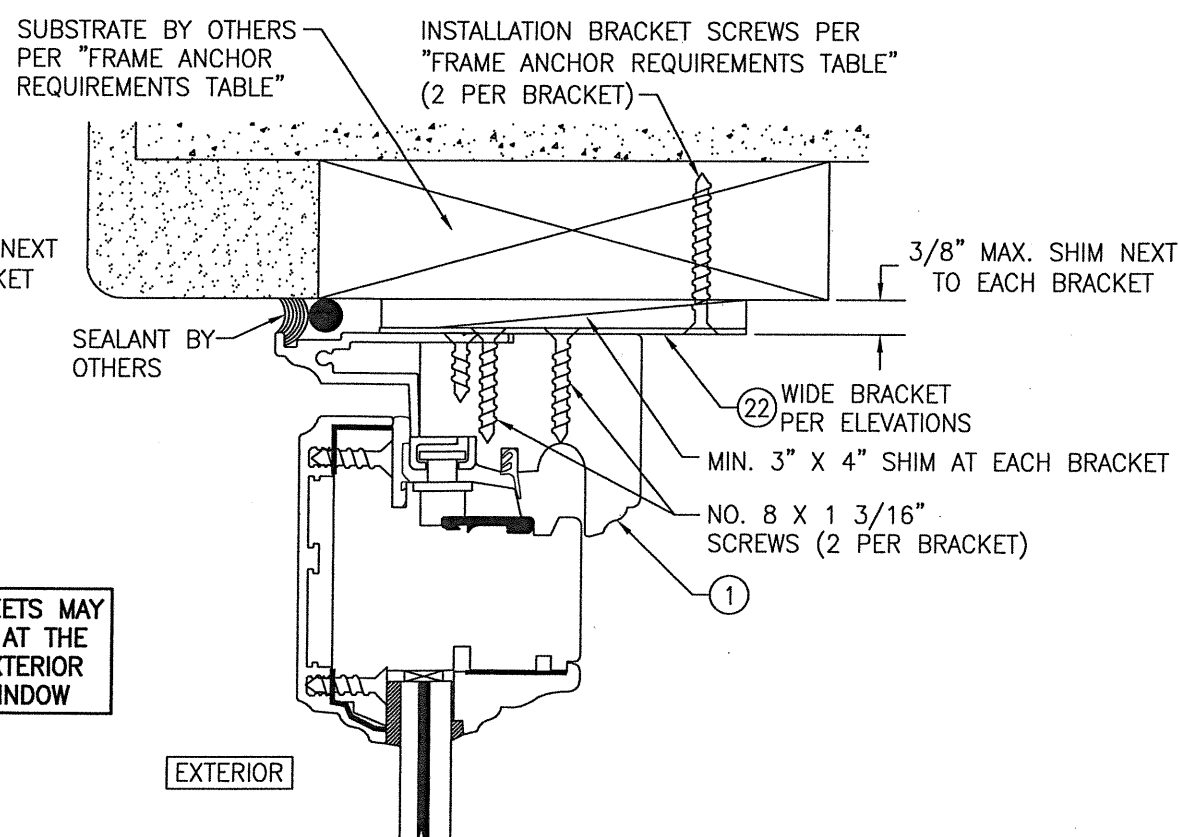
OPTIONAL ANGLE CLIP MOUNTING DETAIL

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



OPTIONAL NARROW BRACKET MOUNTING DETAIL

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



OPTIONAL WIDE BRACKET MOUNTING DETAIL

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

CLIPS & BRACKETS MAY
BE POSITIONED AT THE
INTERIOR OR EXTERIOR
SIDE OF THE WINDOW

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 07/05/12	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: AMERICAN OUT-SWING BRONZE CLAD CASEMENT IMPACT WOOD WINDOWS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887	
CERTIFICATION W. W. SCHAEFER No. 44135 STATE OF FLORIDA P.E. NO. 44135		JUN 0 2 2020	
DRAWING NO. 1687		REV. B	
SHEET NO. 4		OF 6	

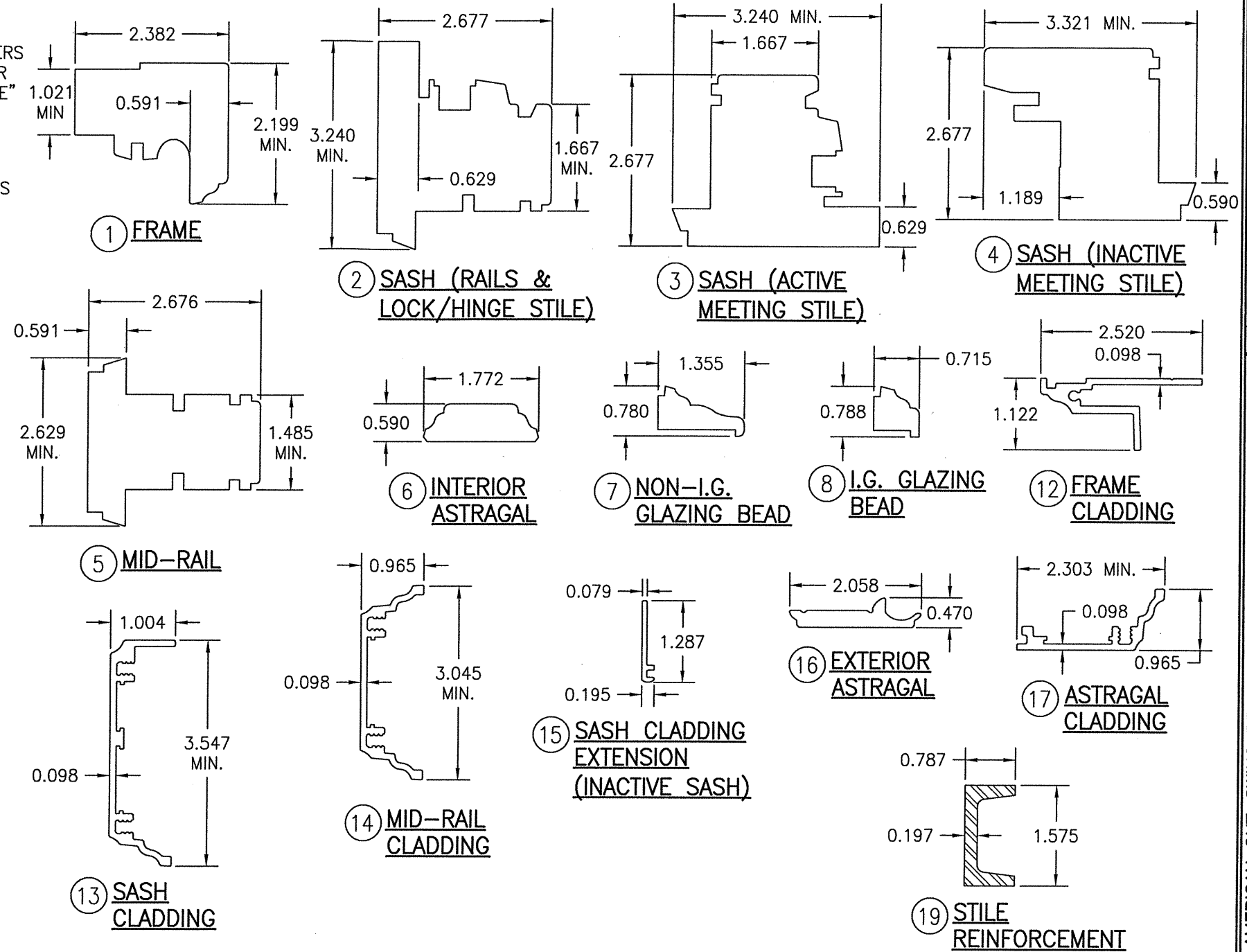
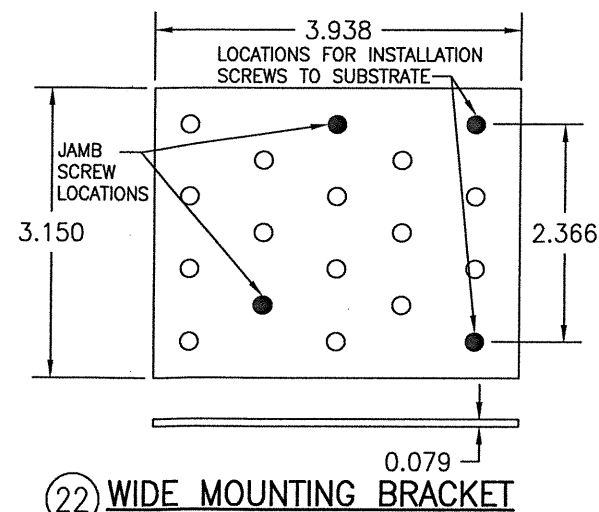
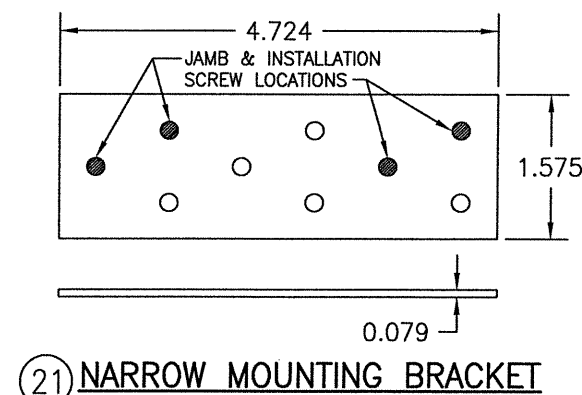
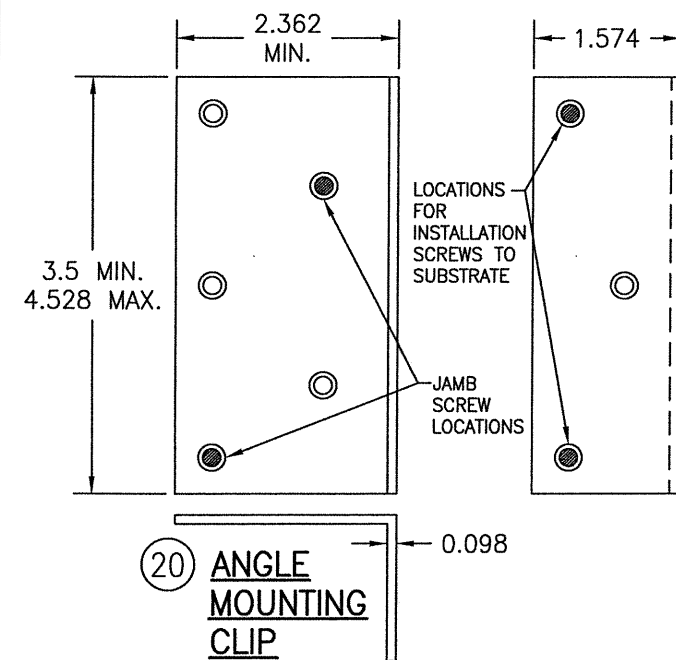
SEALANT BY OTHERS

FRAME SCREW PER ELEVATIONS & "FRAME ANCHOR REQUIREMENTS TABLE"

1

EXTERIOR

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



CERTIFICATION JUN 02 2020 WARREN W. SCHAEFER P.E. P.E. NO. 44135	DRAWING NO.	REV.
	1687	B
	SHEET NO.	
	5 OF 6	
DRAWING TITLE AMERICAN OUT-SWING BRONZE CLAD CASEMENT IMPACT WOOD WINDOWS		
CONSULTANTS' MANUFACTURER		
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		
PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET; SUITE 150 WESTON, FL 33331 954-659-3887		
DRAWN BY:	CHECKED BY:	
W.R.M.	W.W.S.	
PLOT:	DATE:	
1=2	07/05/12	
NO.	REVISION DESCRIPTION	BY DATE

