

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

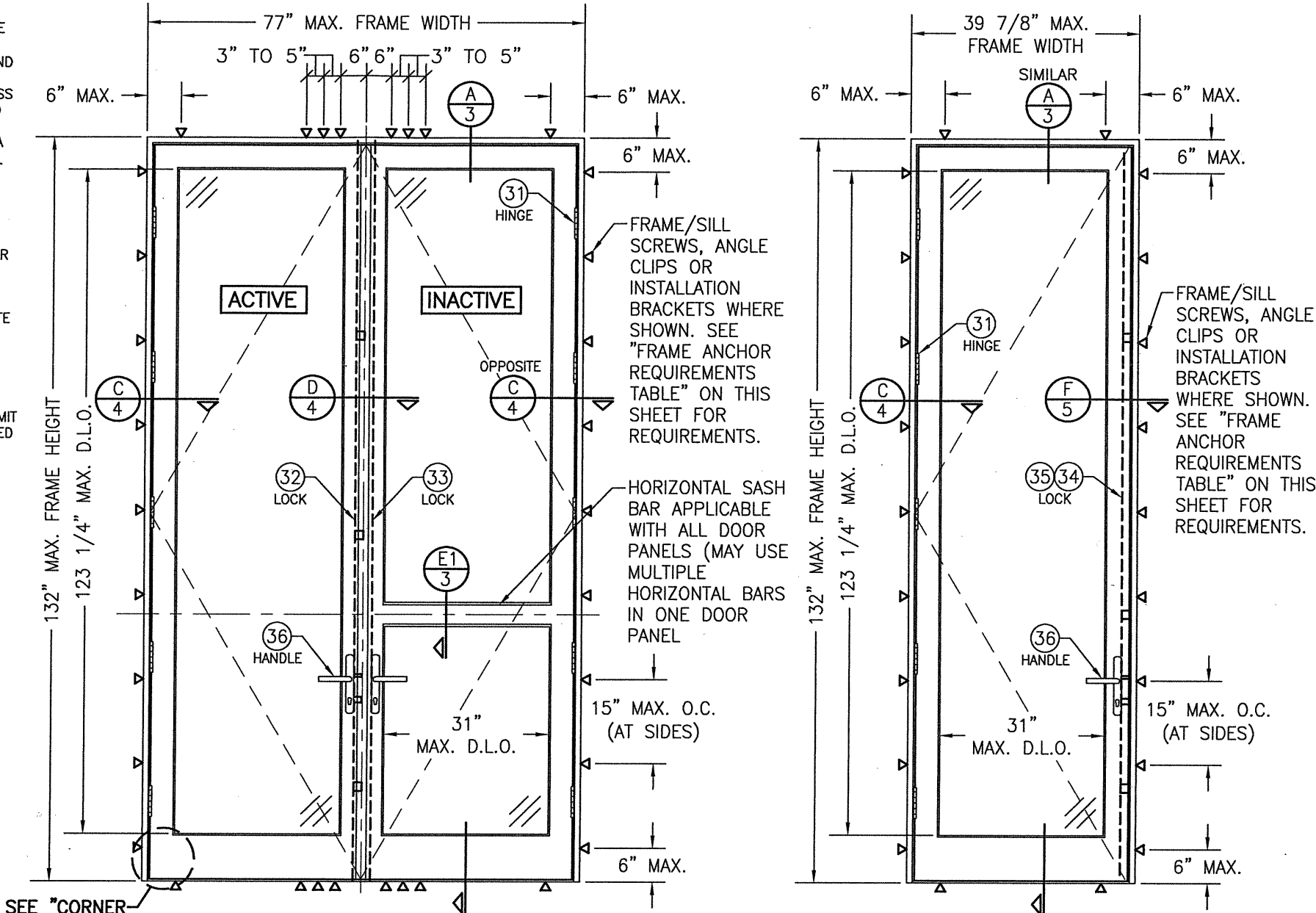
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & $G=0.55$)	NO. 8 SMS SCREW	1 3/8"	3/4"
MIN. 16 GA. 50 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

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).



SEE "CORNER CONSTRUCTION" DESCRIPTION ON SHEET 2

EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR

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

ALLOWABLE DESIGN PRESSURE
(ALL DOORS CONDITIONS)

+/-70 PSF

EXTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR

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

HINGE TABLE

DOOR SHAPE	HINGE REQUIREMENTS
HALF-ROUND TOP	CENTERLINE OF HINGES SHALL BE LOCATED 8" FROM BOTTOM OF DOOR 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 DOOR 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.

DRAWN BY:
W.R.M.

CHECKED BY:
W.W.S.

PLOT:
1=24

DATE:
07/05/12

DATE:
01/09/17

DATE:
04/17/20

BY:
W.W.S.

BY:
W.W.S.

REVISION DESCRIPTION

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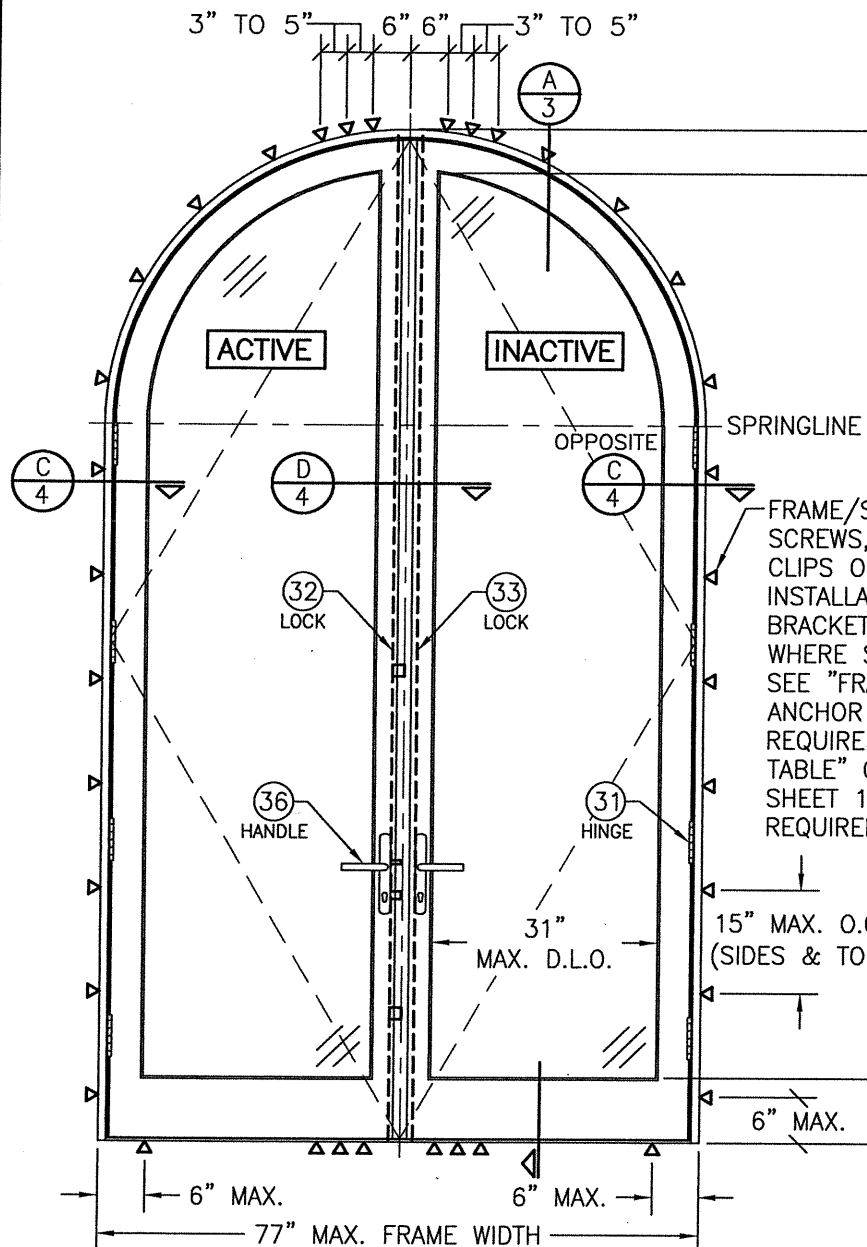
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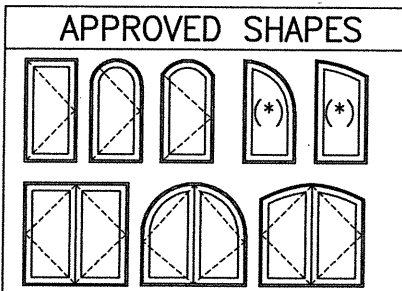
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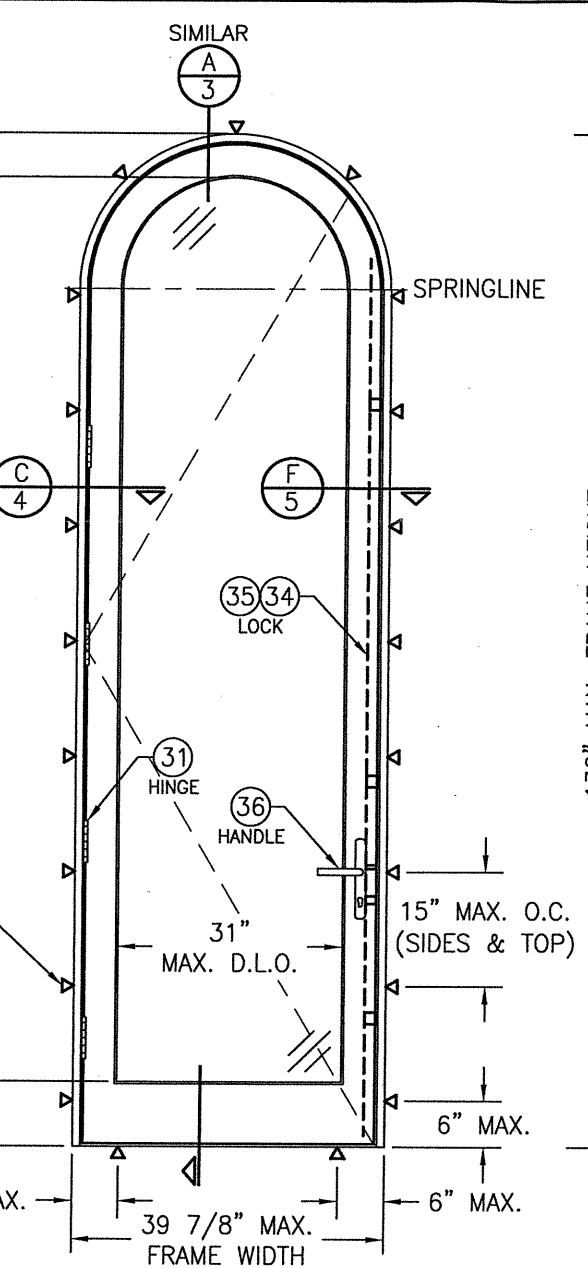
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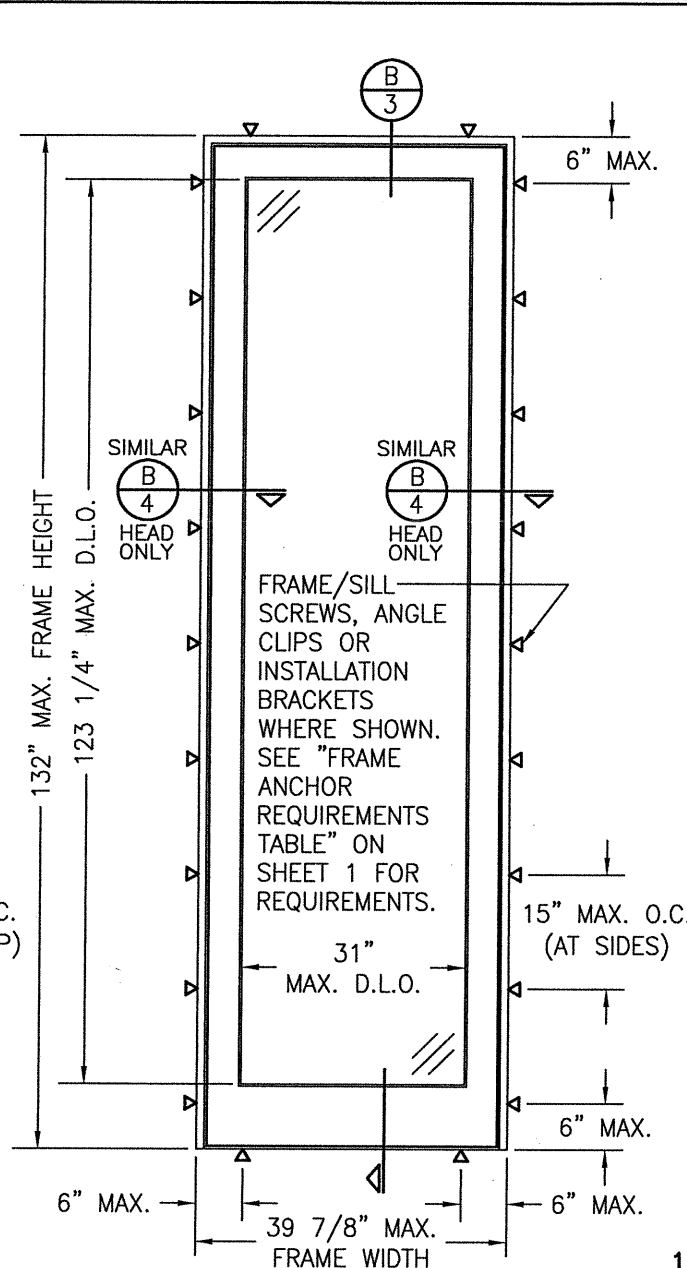
**EXTERIOR ELEVATION:
DOUBLE HALF ROUND DOOR**
SCALE: 1/2" = 1'-0"



NOTES:
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED IN THIS DRAWING.
2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.
3. THE SHAPES LABELED (*) ARE ONLY APPLICABLE TO FIXED PANEL DOORS (NOT APPLICABLE TO OPERABLE DOORS).

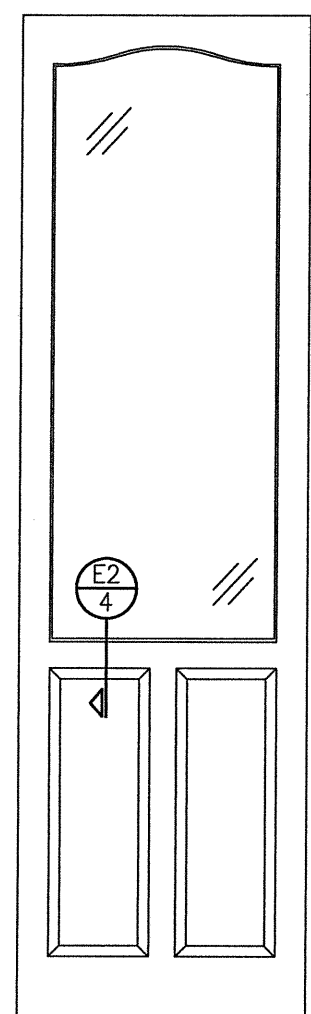


**EXTERIOR ELEVATION:
SINGLE HALF ROUND DOOR**
SCALE: 1/2" = 1'-0"



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

NOTE: FRAME/SILL SCREW INSTALLATION OF FIXED PANEL DOORS MAY ONLY APPLY WHEN DOOR PANEL IS FIELD INSTALLED INTO DOOR FRAME



**EXTERIOR ELEVATION:
PARTIAL RAISED PANEL**
SCALE: 1/2" = 1'-0"

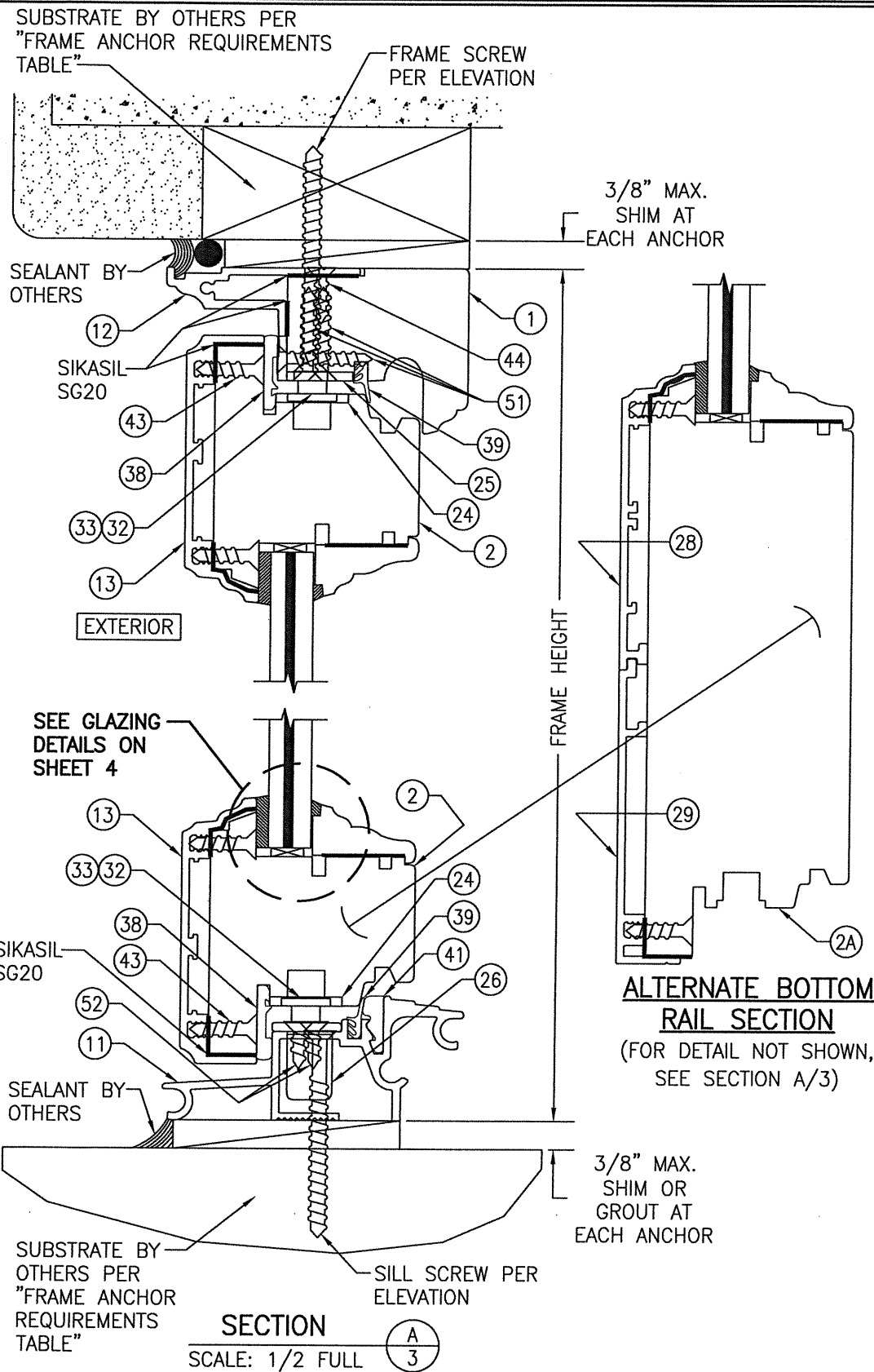
PANEL NOTES:

1. SINGLE RAISED PANEL CONDITION SHOWN, MORE THAN ONE RAISED PANEL MAY EXIST IN A SINGLE DOOR PANEL WHEN MULTIPLE MID-RAILS ARE USED.
2. PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.
3. THESE PANEL CONDITIONS APPLY WITH BOTH OPERABLE & FIXED PANEL DOORS
4. RECTANGULAR CONDITION SHOWN, SHAPED CONDITIONS ALSO APPLY.

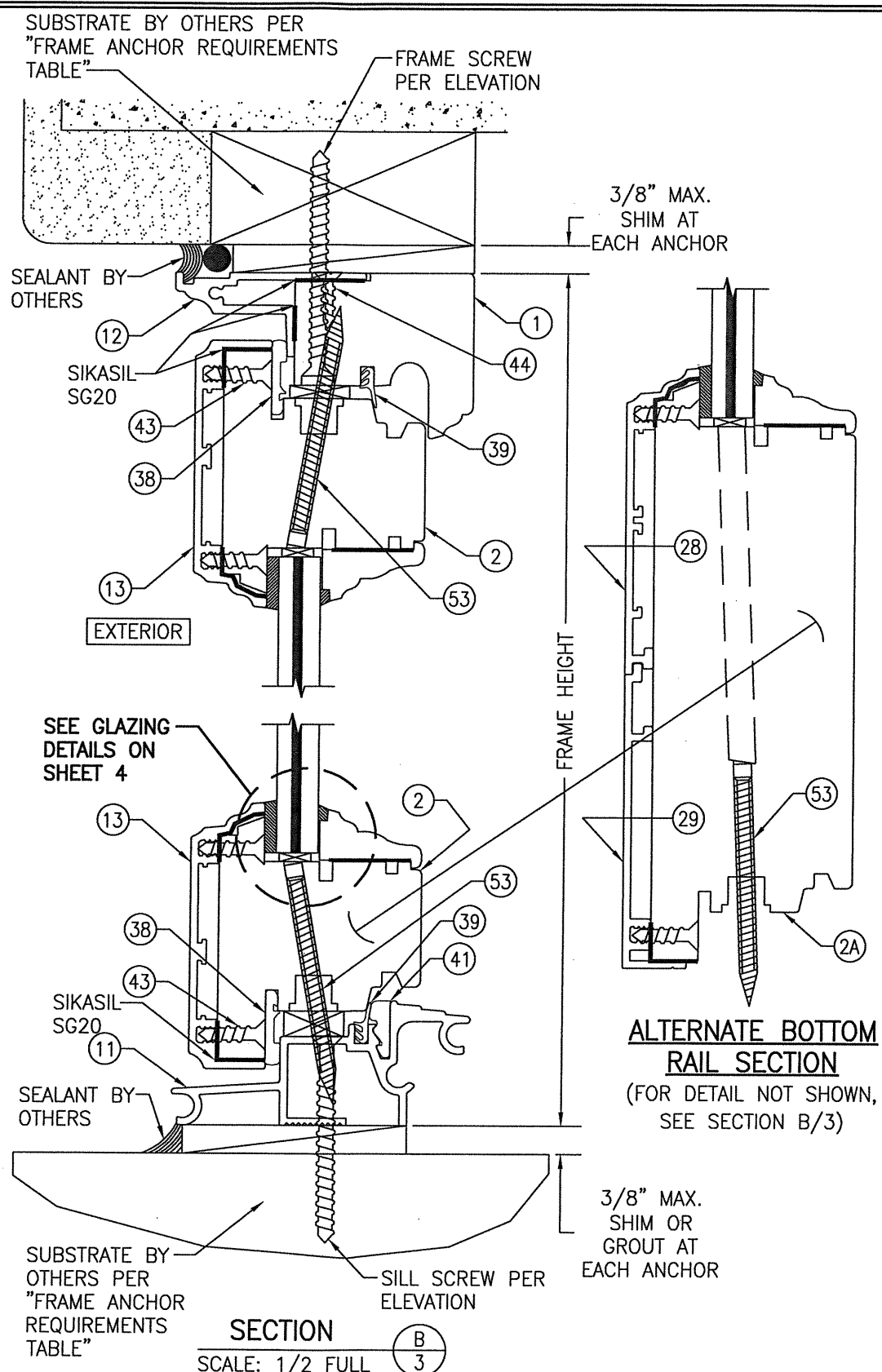
CORNER CONSTRUCTION:

RECTANGULAR FRAME: COPED, BUTTED TOGETHER, JOINED WITH 2 NO. 10 X 3 1/8" SCREWS & GLUED WITH BINDAN D4 OR EQUAL.
SHAPED FRAME: MEMBER ARE GROOVED, BUTTED TOGETHER, JOINED WITH 2 MAHOGANY TONGUES & GLUED WITH BINDAN D4 OR EQUAL.
RECTANGULAR PANEL: MULTI-FORKED, BUTTED & GLUED WITH BINDAN D4 OR EQUAL.
ALTERNATE BOTTOM RAIL: COPED, BUTTED TO STILES, JOINED WITH TEN(10) 3/8" X 3 1/8" WOOD DOWELS & GLUED WITH BINDAN D4 OR EQUAL.
SHAPED PANEL: MULTI-FORKED, BUTTED & GLUED WITH BINDAN D4 OR EQUAL.
MID-RAIL ENDS: COPED, BUTTED TO STILES/RAILS, JOINED WITH TWO(2) 3/8" X 3 1/8" WOOD DOWELS & GLUED WITH BINDAN D4 OR EQUAL.
FRAME CLAD: MEMBERS ARE MITERED TOGETHER & WELDED ON THE EXTERIOR SIDE.
PANEL CLAD: MEMBERS ARE MITERED TOGETHER & WELDED TOGETHER ON THE INTERIOR SIDE.

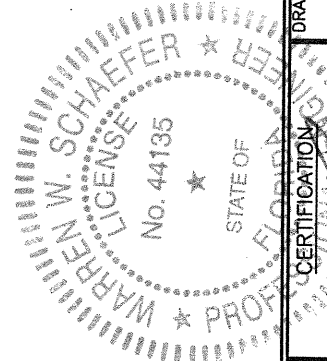
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PLOT: 1=24		DATE: 07/05/12	
NO.	REVISION	DESCRIPTION	DATE
AMERICAN OUT-SWING BRONZE CLAD IMPACT WOOD DOORS MANUFACTURER PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET; SUITE 150 WESTON, FL 33331 954-659-3887 CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION WARREN W. SCHAEFER No. 44135 P.E. NO. 44135			
DRAWING NO. 1688		REV. B	
SHEET NO. 2 OF 8			



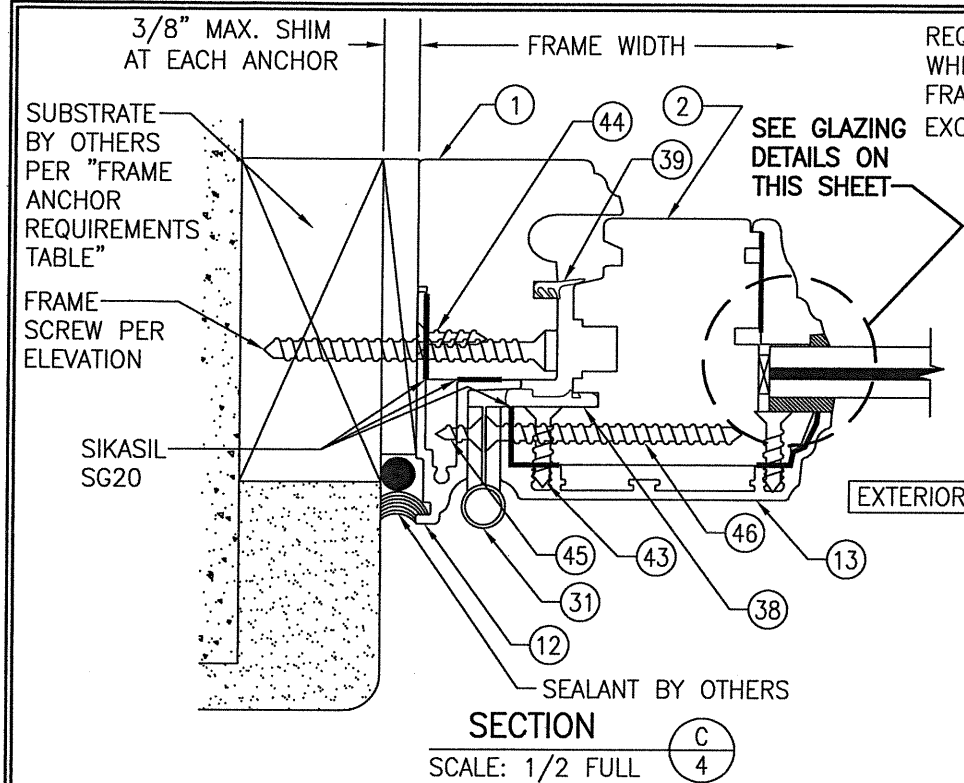
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEETS 5 & 6 FOR ALTERNATE INSTALLATION DETAILS.



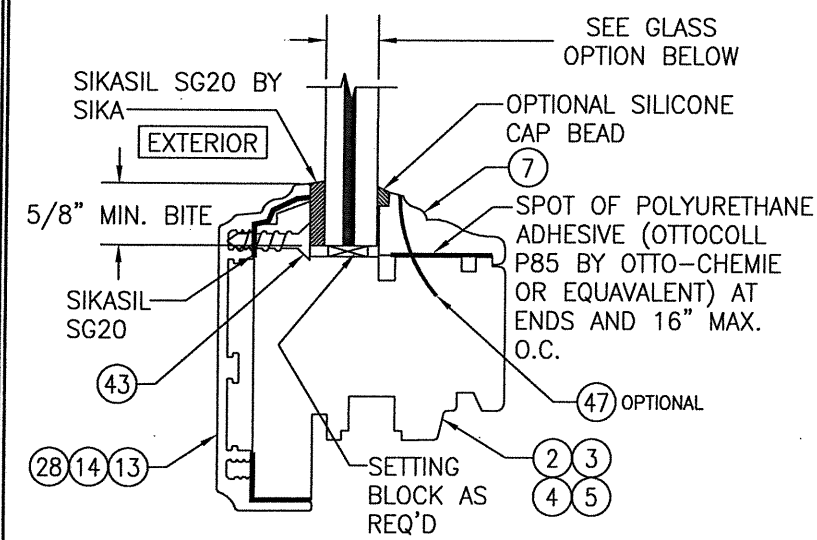
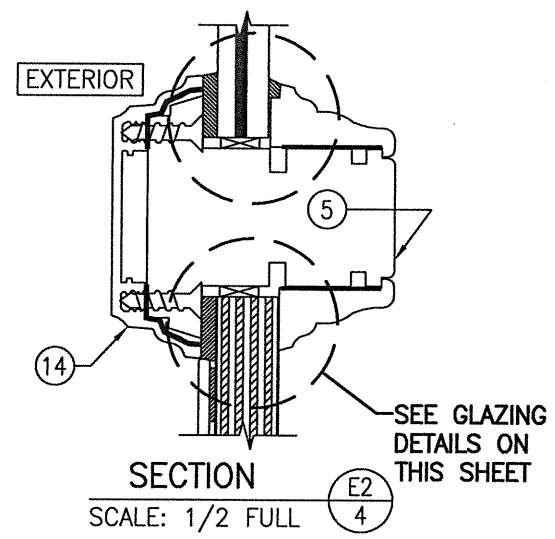
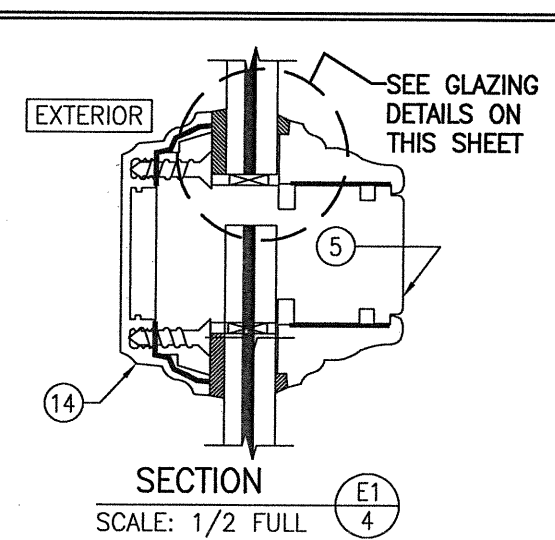
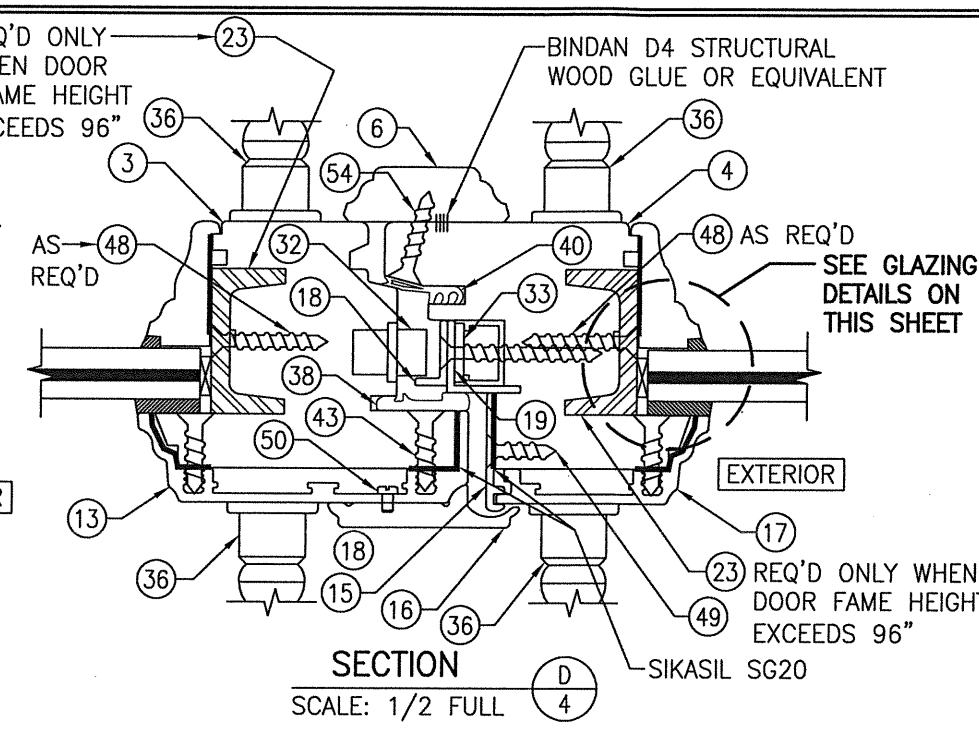
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEETS 5 & 6 FOR ALTERNATE INSTALLATION DETAILS.



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/17/11	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE			
AMERICAN OUT-SWING BRONZE CLAD IMPACT WOOD DOORS			
CONSULTANTS		MANUFACTURER	
W. SCHAEFER ENGINEERING & CONSULTING, P.A.		PEETZ WINDOWS & DOORS	
7480 150TH COURT NORTH		15951 S.W. 41ST STREET; SUITE 150	
PALM BEACH GARDENS, FL 33418		WESTON, FL 33331	
PHONE: 561-744-3424		954-659-3887	
CERTIFICATION		P.E.	
JUN 02 2020		WARREN W. SCHAEFER	
DRAWING NO.		REV.	
1688		B	
SHEET NO.		OF	
3		8	

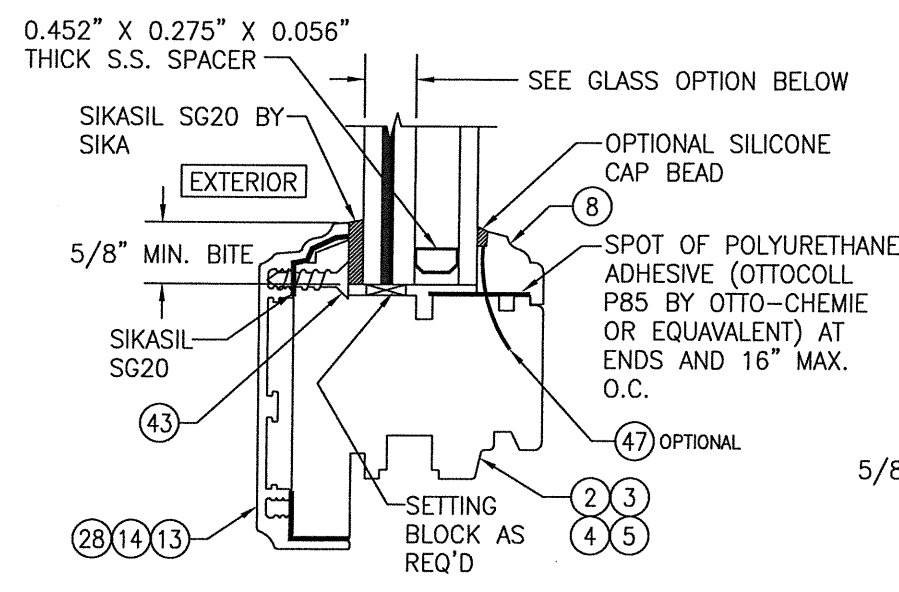


FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 5 FOR ALTERNATE INSTALLATION DETAILS.



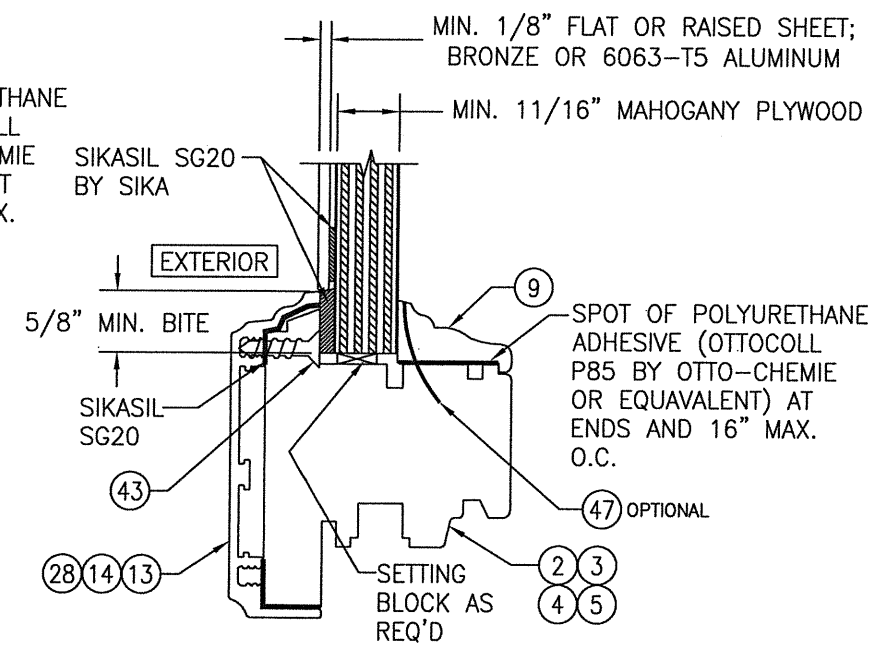
**NON-I.G. GLAZING DETAIL
GLASS OPTION 1**

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



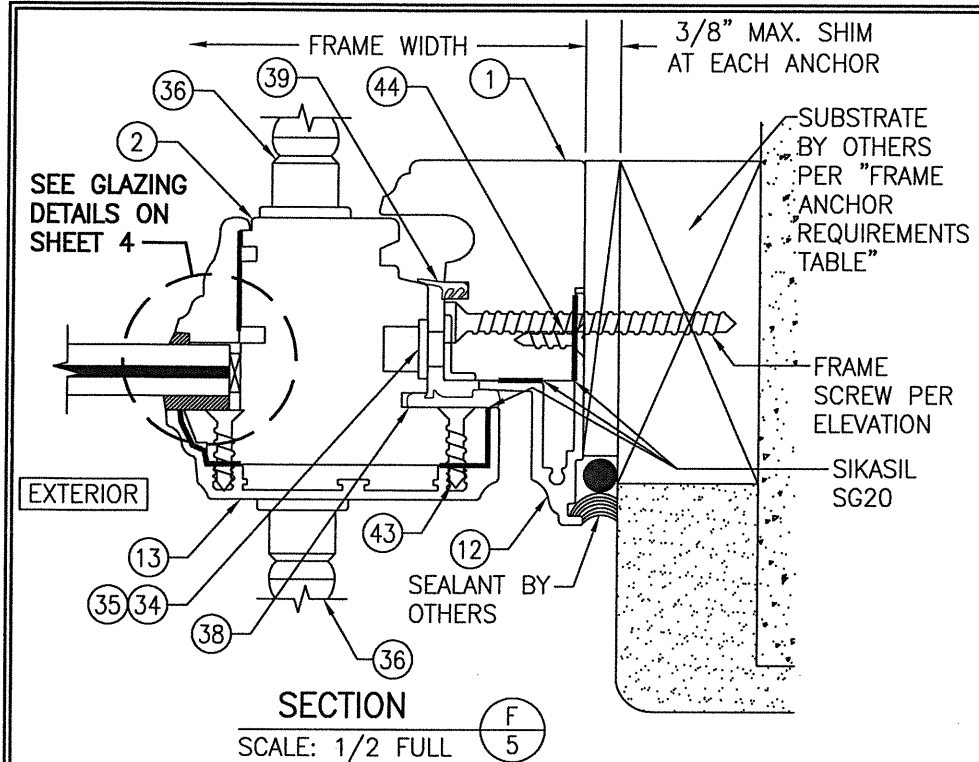
**I.G. GLAZING DETAIL
GLASS OPTION 2**

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

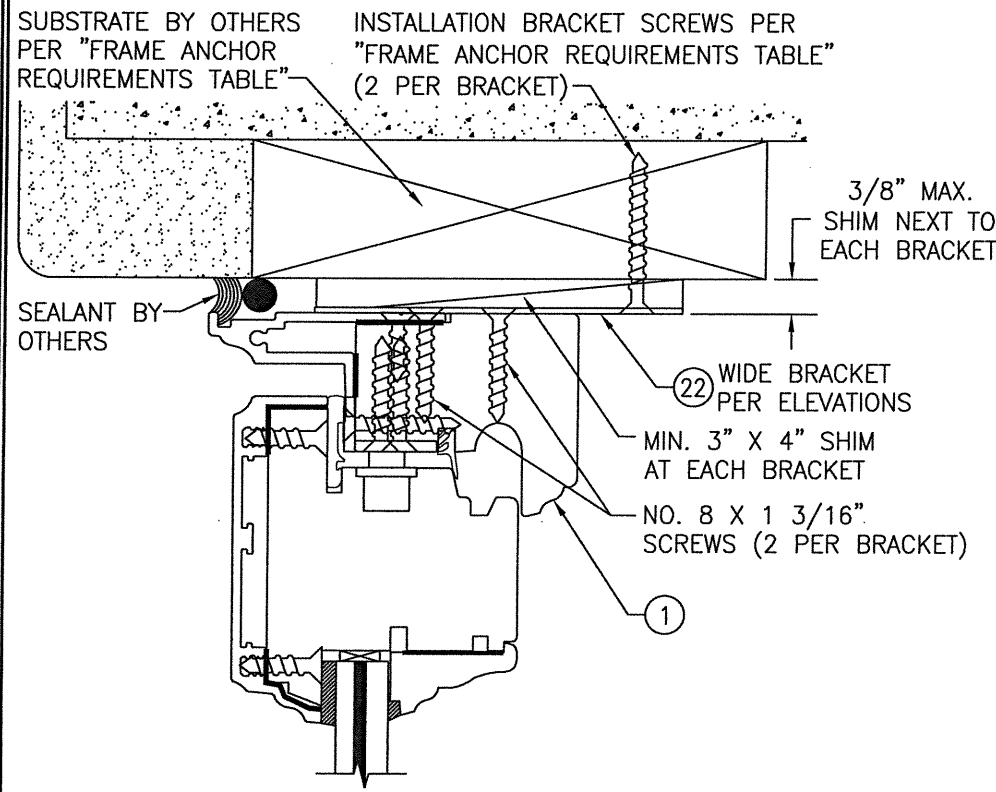


WOOD PANEL GLAZING DETAIL

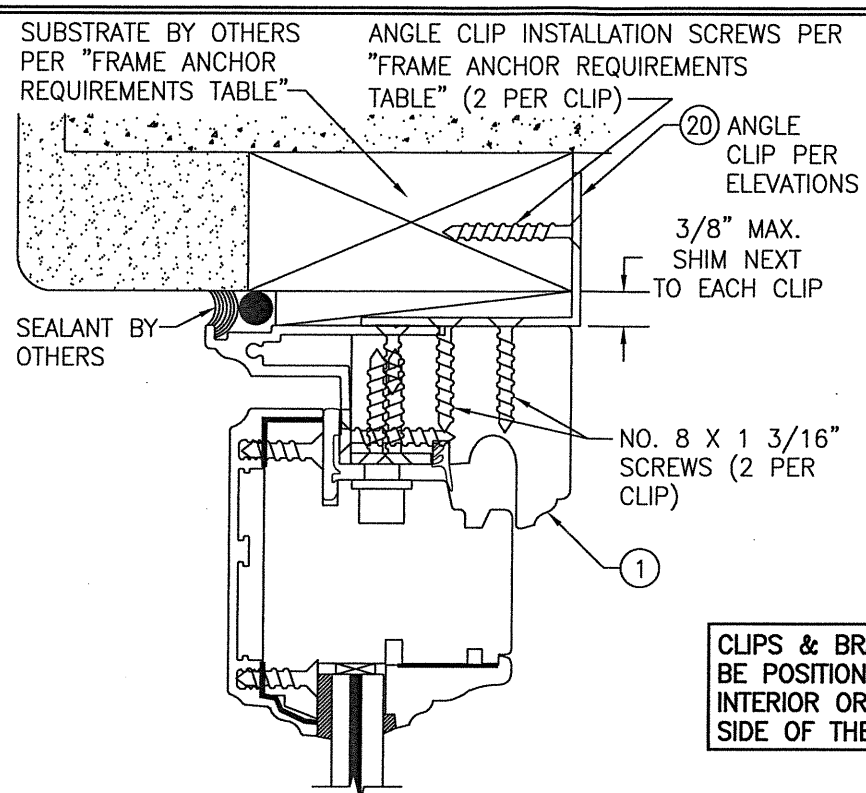
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/17/11	
NO.	REVISION DESCRIPTION	DATE	BY
1			
2			
3			
4			
AMERICAN OUT-SWING BRONZE CLAD IMPACT WOOD DOORS MANUFACTURER: PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3987 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 CERTIFICATION: JUN 02 2020 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1688		REV. B	
SHEET NO. 4		OF 8	



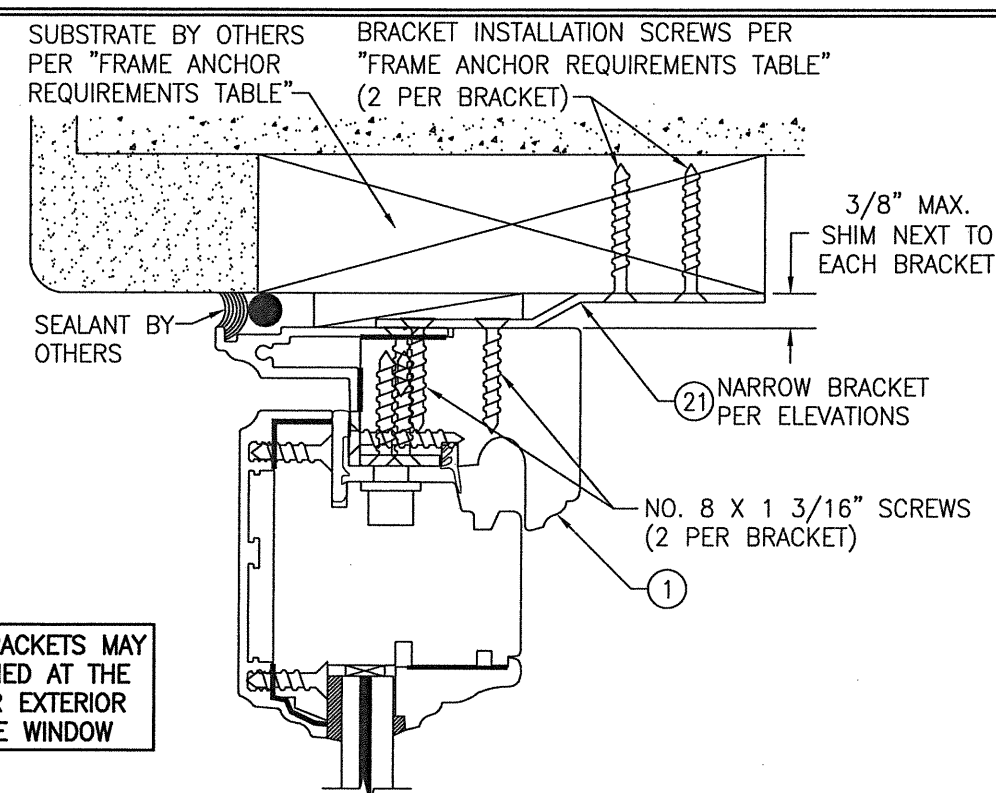
SECTION F
SCALE: 1/2 FULL 5
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON THIS SHEET FOR ALTERNATE INSTALLATION DETAILS.



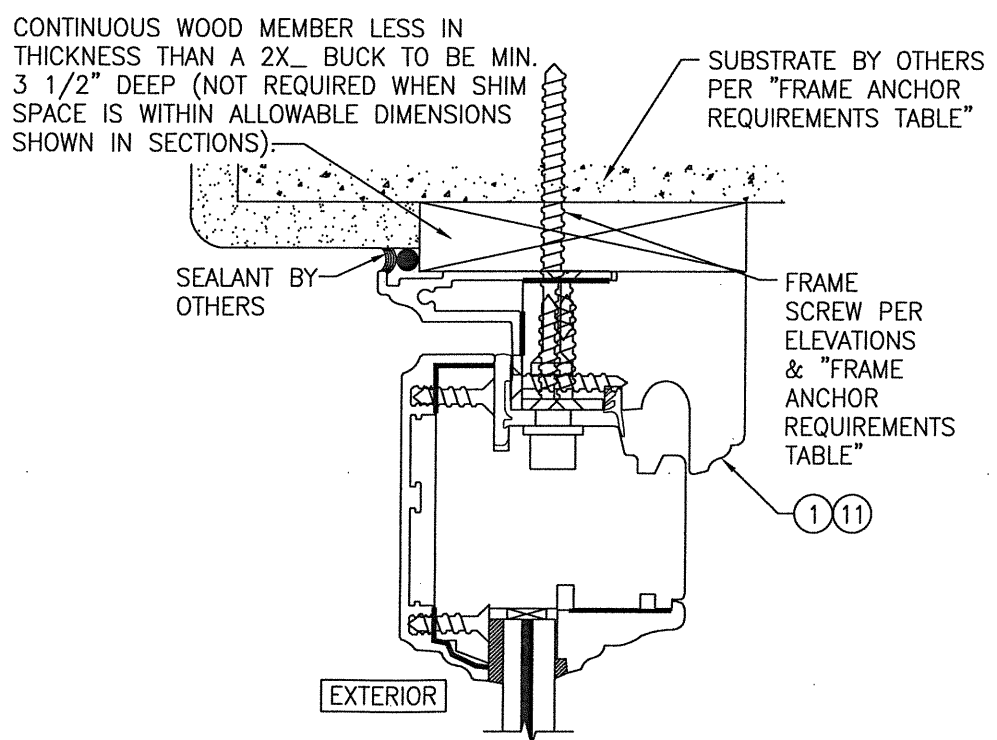
OPTIONAL WIDE BRACKET MOUNTING DETAIL (HEAD & SIDES)
(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
(OPERABLE DOOR SECTION SHOWN; FIXED PANEL DOOR ALSO APPLIES)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL ANGLE CLIP MOUNTING DETAIL (HEAD & SIDES)
(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
(OPERABLE DOOR SECTION SHOWN; FIXED PANEL DOOR ALSO APPLIES)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

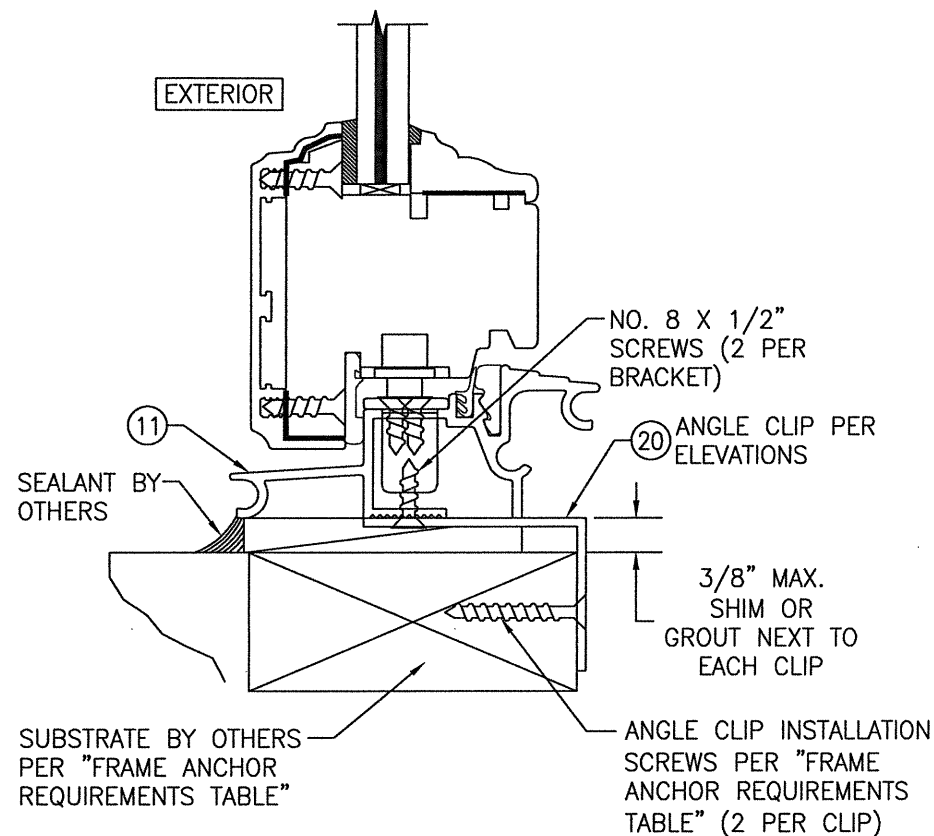


OPTIONAL NARROW BRACKET MOUNTING DETAIL (HEAD & SIDES)
(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
(OPERABLE DOOR SECTION SHOWN; FIXED PANEL DOOR ALSO APPLIES)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



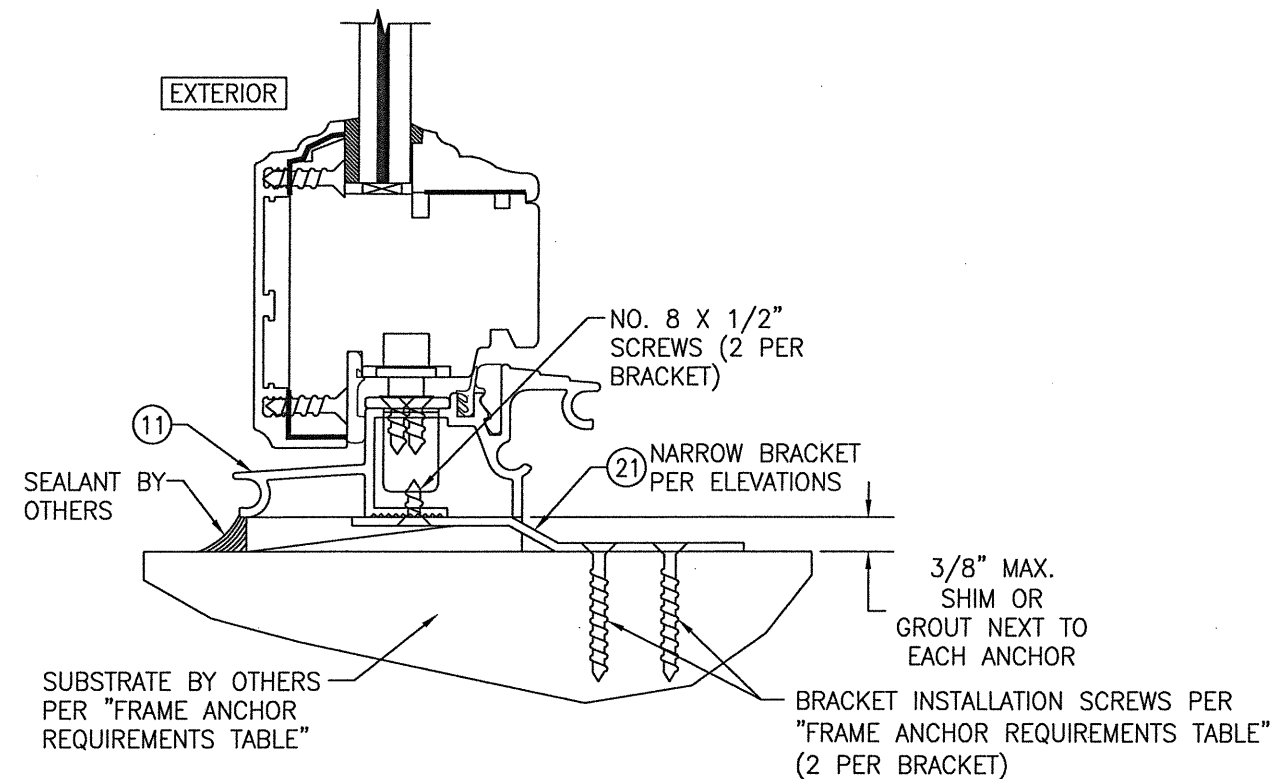
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(OPERABLE DOOR SECTION SHOWN; FIXED PANEL DOOR DOES NOT APPLY)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/17/11	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: AMERICAN OUT-SWING BRONZE CLAD IMPACT WOOD DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: 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. 1688		REV. B	
SHEET NO. 5		OF 8	



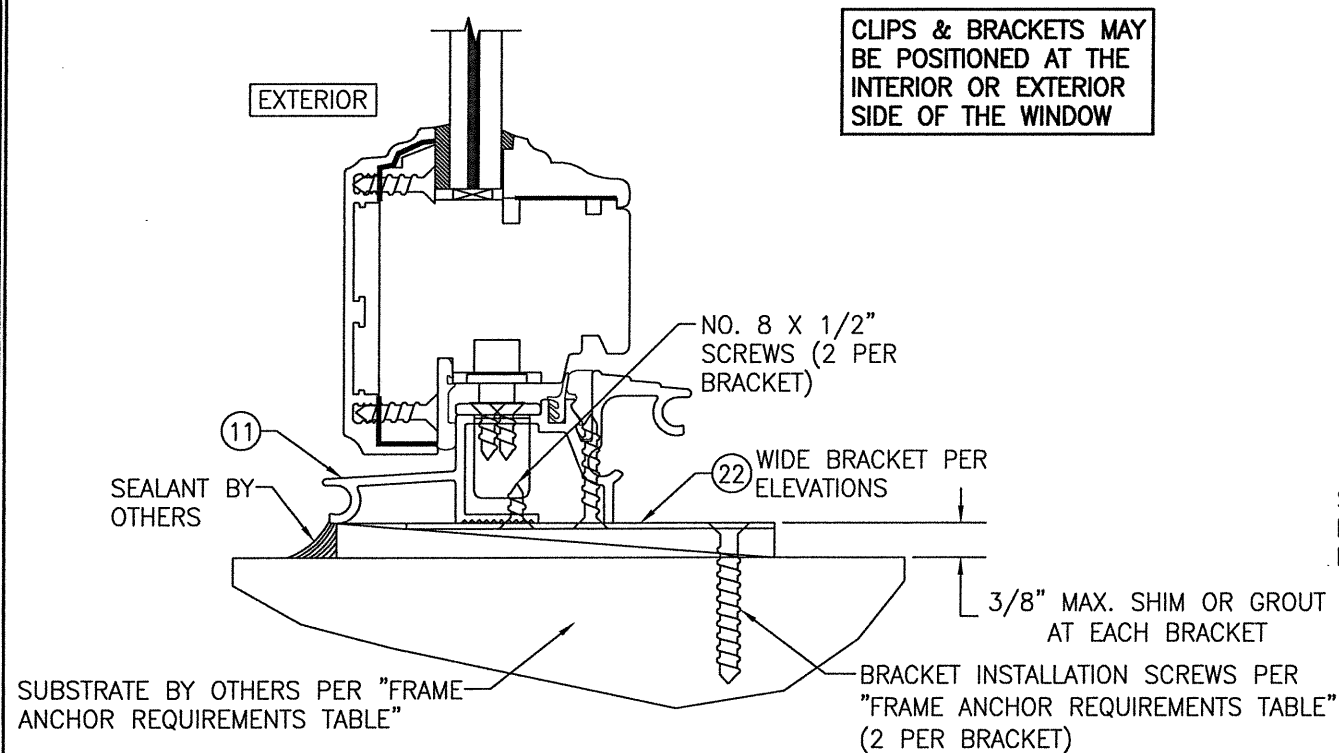
OPTIONAL ANGLE CLIP MOUNTING DETAIL (SILL)

(OPERABLE DOOR SECTION SHOWN; FIXED PANEL DOOR ALSO APPLIES)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



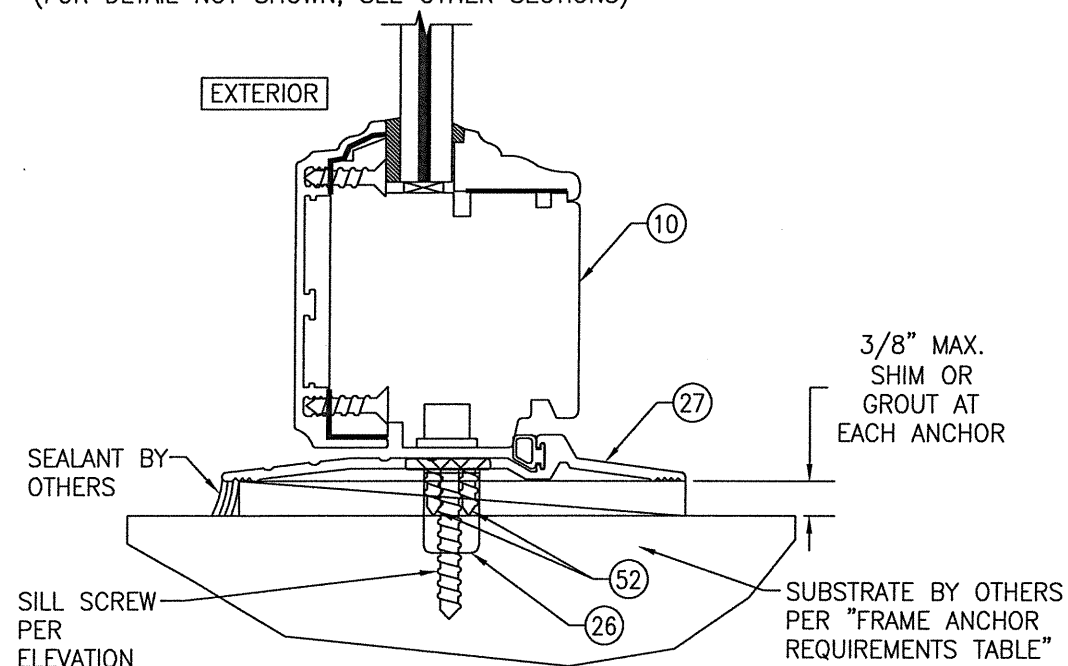
OPTIONAL NARROW BRACKET MOUNTING DETAIL (SILL)

(OPERABLE DOOR SECTION SHOWN; FIXED PANEL DOOR ALSO APPLIES)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL WIDE BRACKET MOUNTING DETAIL (SILL)

(OPERABLE DOOR SECTION SHOWN; FIXED PANEL DOOR ALSO APPLIES)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL ADA SILL DETAIL

(*) THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR. UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.

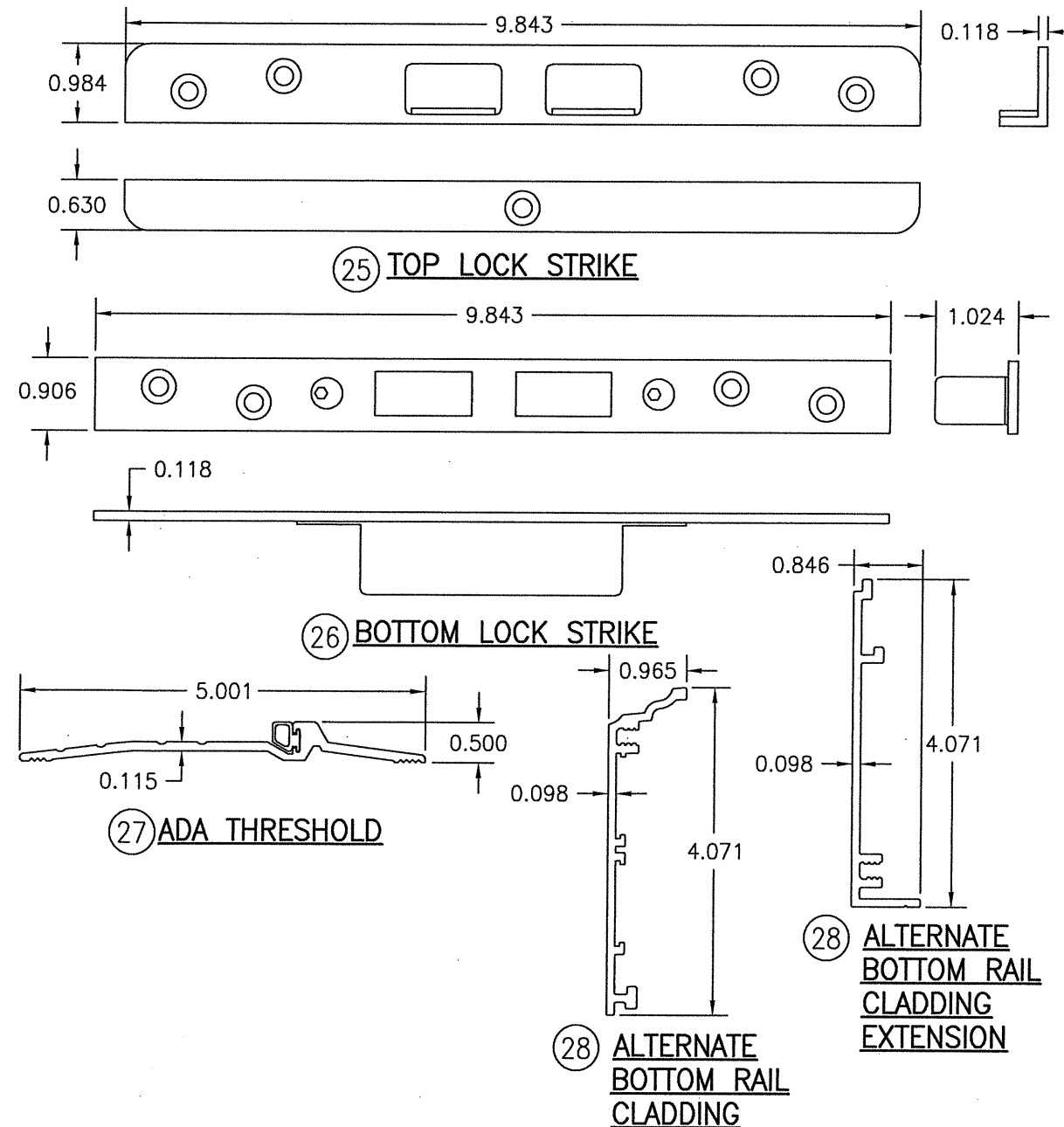


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/17/11
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE AMERICAN OUT-SWING BRONZE CLAD IMPACT WOOD DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION JUN 02 2020	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1688	REV. B
SHEET NO. 6 OF 8	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FRAME (HEAD & SIDES)	WOOD
2	STANDARD RAILS (SILL RAIL USED WITH STANDARD SILL) & LOCK/HINGE STILE	WOOD
2A	ALTERNATE BOTTOM RAIL	WOOD
3	ACTIVE MEETING STILE	WOOD
4	INACTIVE MEETING STILE	WOOD
5	MID-RAIL	WOOD
6	INTERIOR ASTRAGAL	WOOD
7	NON-I.G. GLAZING BEAD	WOOD
8	I.G. GLAZING BEAD	WOOD
9	WOOD PANEL GLAZING BEAD	WOOD
10	SILL RAIL USED WITH ADA SILL	WOOD
11	SILL	BRONZE OR 6063-T5 ALUMINUM
12	FRAME CLADDING	BRONZE OR 6063-T5 ALUMINUM
13	STANDARD STILE & RAIL CLADDING	BRONZE OR 6063-T5 ALUMINUM
14	MID-RAIL CLADDING	BRONZE OR 6063-T5 ALUMINUM
15	SASH CLADDING EXTENSION (INACTIVE DOOR)	BRONZE OR 6063-T5 ALUMINUM
16	EXTERIOR CLADDING	BRONZE OR 6063-T5 ALUMINUM
17	ASTRAGAL CLADDING	BRONZE OR 6063-T5 ALUMINUM
18	STRIKE	BRONZE OR 6063-T5 ALUMINUM
19	GEAR COVER	BRONZE OR 6063-T5 ALUMINUM
20	ANGLE CLIP	GALVANIZED 34 KSI STEEL
21	NARROW MOUNTING BRACKET	GALVANIZED 34 KSI STEEL
22	WIDE MOUNTING BRACKET	GALVANIZED 34 KSI STEEL
23	STILE REINFORCEMENT	GALVANIZED 34 KSI STEEL REQ'D ONLY WHEN DOOR FRAME HEIGHT EXCEEDS 96"
24	LOCKING GEAR REINFORCEMENT	S.S. BY PEETZ REQ'D ONLY WITH HOPPE LOCK SYSTEM
25	TOP LOCK STRIKE	S.S. BY PEETZ
26	BOTTOM LOCK STRIKE	S.S. OR BRONZE BY PEETZ
27	ADA THRESHOLD	2005 PEMKO BRONZE
28	ALTERNATE BOTTOM RAIL CLADDING	BRONZE OR 6063-T5 ALUMINUM
29	ALTERNATE BOTTOM RAIL CLADDING EXTENSION	BRONZE OR 6063-T5 ALUMINUM
HARDWARE		
31	BUTT HINGE 8 9/16" LONG	BRASS, PLATED STEEL, OR S.S. BY BROS
32	5 POINT MULTI-POINT LOCK SYSTEM AT ACTIVE PANEL (DOUBLE DOOR CONDITION)	BY: KFK OR HOPPE TYPE: ROLLERBOLT/SHOOTBOLT/DEADBOLT
33	2 POINT MULTI-POINT LOCK SYSTEM AT INACTIVE PANEL	BY: Kfv OR HOPPE TYPE: SHOOTBOLT
34	4 POINT MULTI-POINT LOCK SYSTEM (SINGLE DOOR; ALL HEIGHTS)	BY: Kfv OR HOPPE TYPE: SHOOTBOLT/DEADBOLT
35	3 POINT MULTI-POINT LOCK SYSTEM (SINGLE DOOR WITH LESS THAN 120" FRAME HEIGHT)	BY: HOPPE TYPE: SHOOTBOLT/DEADBOLT
36	HANDLE	AS REQUIRED TO OPERATE LOCK SYSTEM
SEALS & SEALANTS		
38	COMPRESSION SEAL	SCHLEGEL QL3097 URETHANE
39	WEATHERSTRIP	GTG EPDM
40	WEATHERSTRIP	HAUTAU EPDM HD25
41	COMPRESSION SEAL	SCHLEGEL QL3063 URETHANE

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
FASTENERS		
43	3/16" X 7/8" SELF TAPPING SCREW	WITHIN 5" OF CORNERS & 13 1/2" MAX. O.C.
44	NO. 8 X 13/16" SMS SCREW	WITHIN 5" OF CORNERS & 15" MAX. O.C.
45	M5 X 15mm SELF TAPPING SCREW	6 PER HINGE INTO FRAME CLADDING
46	3/16" X 2 3/4" WOOD SCREW	6 PER HINGE INTO SASH
47	18 GA. X 1 1/4" GALV. CURVED NAIL	WITHIN 10" OF CORNERS & 20" MAX. O.C.
48	NO. 8 X 1 3/8" WOOD SCREW	WITHIN 6" OF CORNERS & 14" MAX. O.C.
49	NO. 8 X 13/16" WOOD SCREW	WITHIN 2" OF ENDS & 12" MAX. O.C.
50	M5 X 8mm MACHINE SCREW	WITHIN 2" OF CORNERS & 9 1/2" MAX. O.C.
51	3/16" X 1 3/8" WOOD SCREW	5 PER TOP STRIKE PLATE
52	M5 X 15mm MACHINE SCREW	4 PER BOTTOM STRIKE PLATE
53	.295" X 3 1/4" AMO III GALVANIZED STEEL SCREW	WITHIN 5 1/2" OF CORNERS & 14" MAX. O.C.
54	NO. 8 X 1" WOOD SCREW	WITHIN 1" OF ENDS & 8" MAX. O.C.

NOTE: WOOD USED IN TESTING WAS MAHOGANY WITH A SPECIFIC GRAVITY OF G = 0.46 AND A MODULUS OF ELASTICITY OF E = 1,500,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.46 AND MODULUS OF ELASTICITY OF 1,500,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PEETZ WINDOWS & DOORS TO SELECT.



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/17/11	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: AMERICAN OUT-SWING BRONZE CLAD IMPACT WOOD DOORS 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 CERTIFICATION: W. W. SCHAEFER, P.E. No. 44135 STATE OF FLORIDA JUN 12 2020 DRAWING NO. 1688 SHEET NO. 8 OF 8			