

GENERAL NOTES:

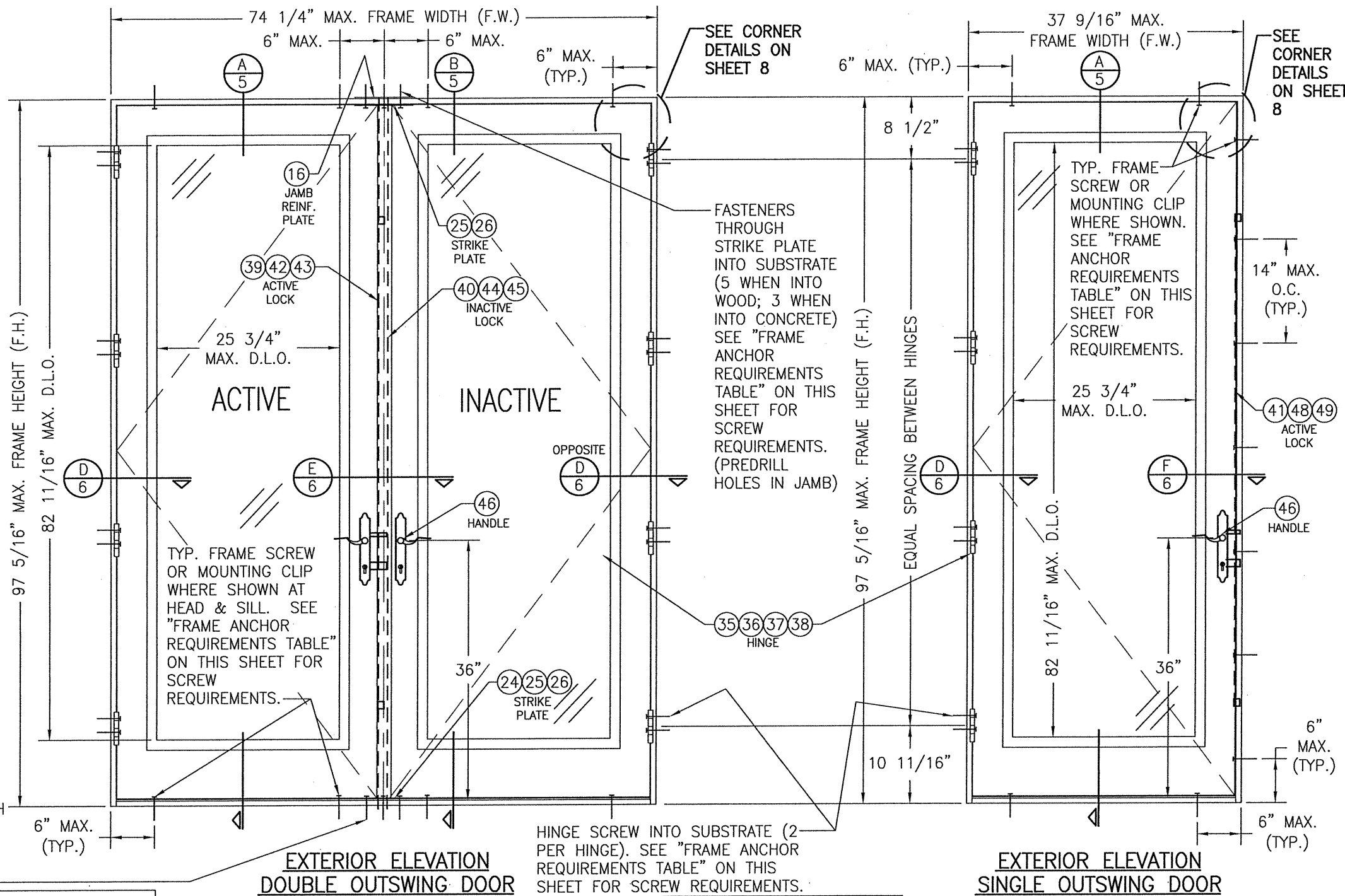
1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND FINAL 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.

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.

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.

FASTENERS THROUGH STRIKE PLATE INTO SUBSTRATE WITH BUMPER SILLS (5 WHEN INTO WOOD; (3 WHEN INTO CONCRETE). WHEN ADA SILL IS USED, THERE IS NO STRIKE PLATE AND ALL ANCHORS RUN THROUGH SILL ONLY INTO SUBSTRATE.



**EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR**
SCALE: 3/4"=1'-0"

**EXTERIOR ELEVATION
SINGLE OUTSWING DOOR**
SCALE: 3/4"=1'-0"

ALLOWABLE DESIGN PRESSURE

SEE LOAD TABLE ON SHEET 9

FRAME ANCHOR REQUIREMENTS TABLE (CONT'D)

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	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"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
(2) CMU IS APPLICABLE AT SIDES ONLY.

HINGE REQUIREMENTS

DOOR HEIGHT	# HINGES REQ'D
6'-8"	3
TALLER THAN 6'-8"	(1) 4

(1) 3 HINGES REQUIRED WITH ALL HEIGHTS OF DOUBLE HALF ROUND & SINGLE QUARTER ROUND DOORS

NOTE: SINGLE DOOR SHOWN HAS THE 3-POINT LOCK SYSTEMS. AN ALTERNATE LOCK MAY BE A SINGLE POINT BALDWIN 6021 OR 6321 MORTISE LOCK. IF EITHER MORTISE LOCK IS USED, ALLOWABLE DESIGN PRESSURE SHALL BE THE LESSER OF +/-60 PSF. OR THE LOADS IN THE LOAD TABLES.

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: 1-16		DATE: 10/31/11	
NO.	REVISION DESCRIPTION	BY	DATE
A1	UPDATE TO CURRENT STANDARDS	W.W.S.	01/09/15
B1	ADD ALTERNATE THRESHOLD	W.W.S.	01/29/19
C1	ADD ALTERNATE BALDWIN LOCK	W.W.S.	08/05/20
C2	ADD ALTERNATE THRESHOLD	W.W.S.	08/05/20

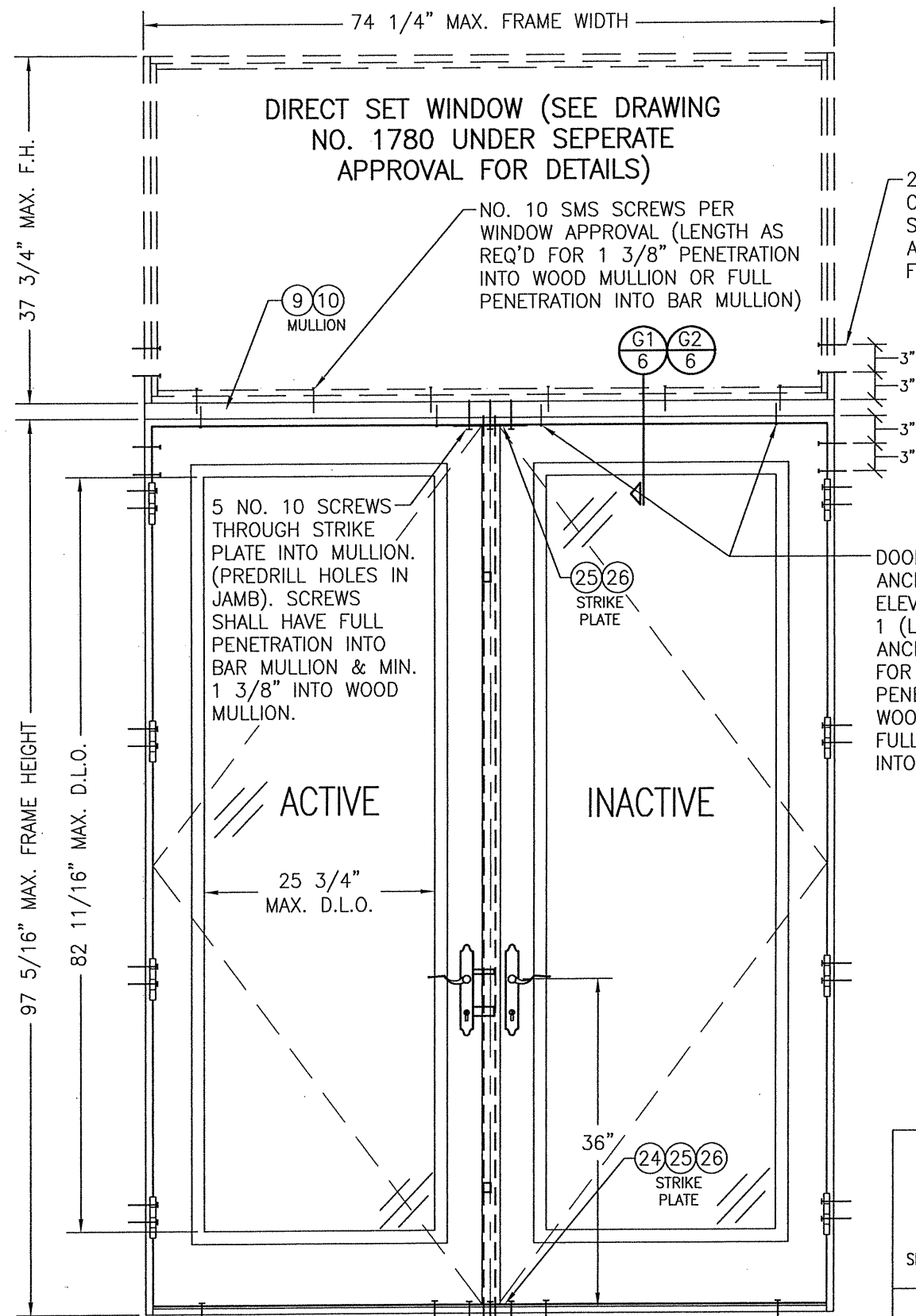
8 FOOT WOOD OUTSWING IMPACT DOORS

MANUFACTURER
SIGNATURE DOOR INC.
401 PRIORITY STREET
ALTOONA, PA 16602
814-949-2770

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

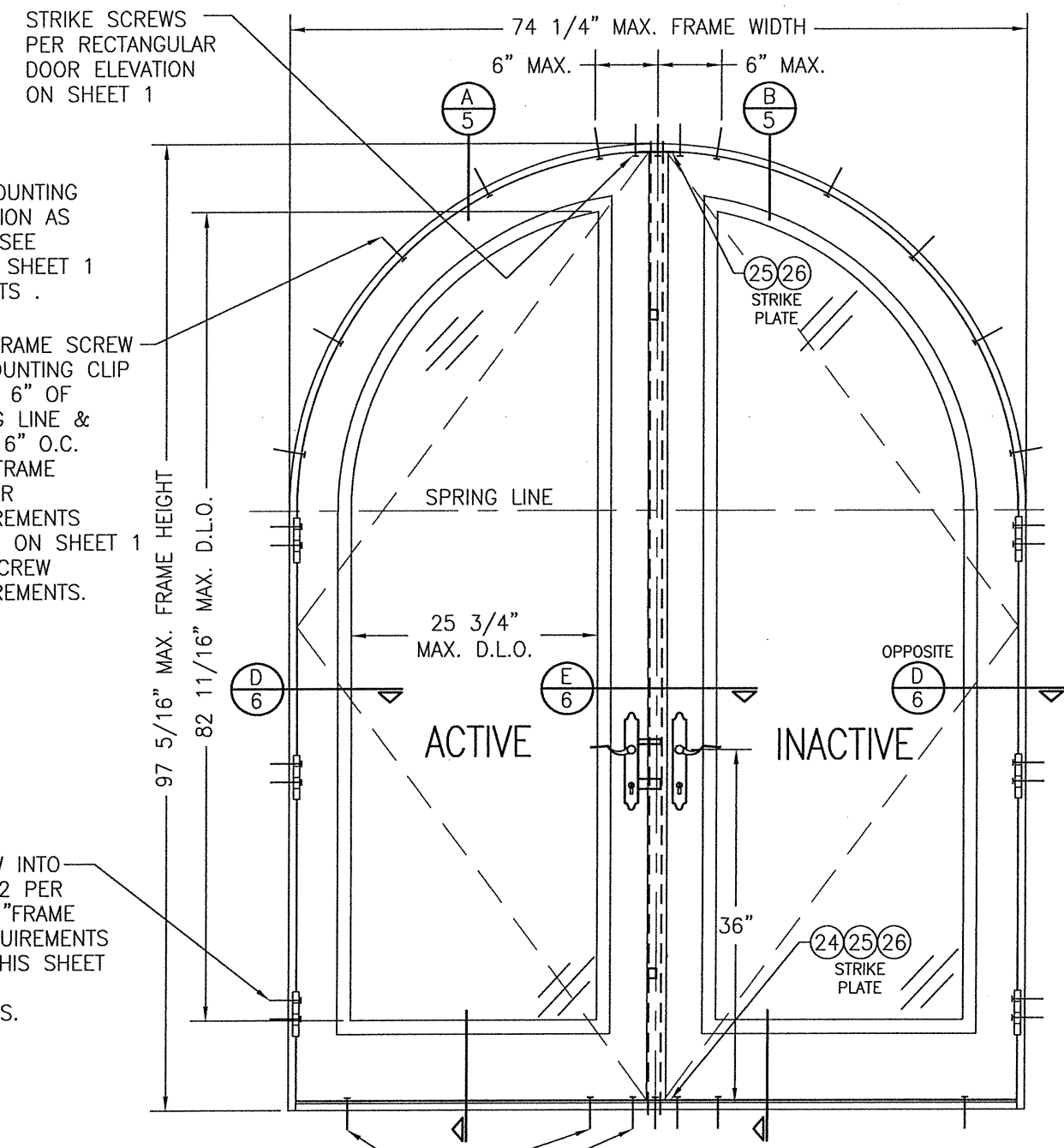
DRAWING TITLE
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
STATE OF FLORIDA
AUG 07 2020
PROFESSIONAL ENGINEER
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	REV.
1778	C
SHEET NO.	
1 OF 11	



**EXTERIOR ELEVATION
DOUBLE DOOR WITH TRANSOM**
SCALE: 3/4"=1'-0"

SEE DOUBLE DOOR ELEVATION ON SHEET 1 FOR DETAIL NOT SHOWN



**EXTERIOR ELEVATION
DOUBLE HALF ROUND DOOR**
SCALE: 3/4"=1'-0"

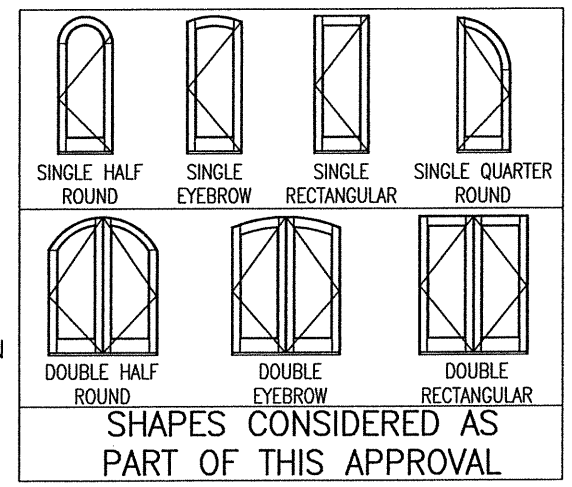
SEE DOUBLE DOOR ELEVATION ON SHEET 1 FOR DETAIL NOT SHOWN

2 FRAME SCREWS OR MOUNTING CLIPS EA. SIDE OF MULLION AS SHOWN (TYP. EA. END). SEE ANCHOR REQ. TABLE ON SHEET 1 FOR SCREW REQUIREMENTS.

TYP. FRAME SCREW OR MOUNTING CLIP WITHIN 6" OF SPRING LINE & MAX. 16" O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS.

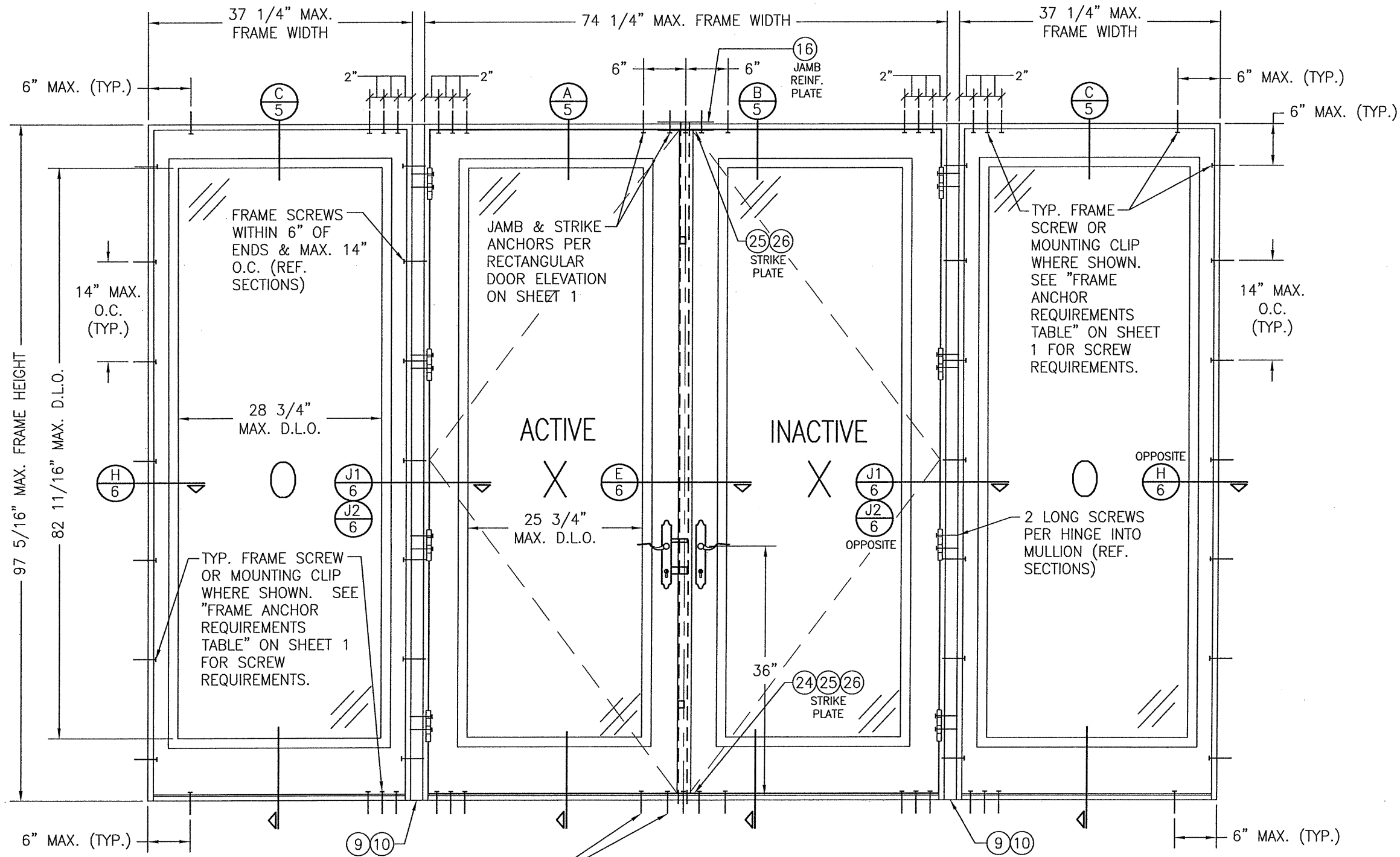
DOOR HEAD JAMB ANCHORS PER DOOR ELEVATION ON SHEET 1 (LENGTH OF ANCHOR AS REQ'D FOR 1 3/8" PENETRATION INTO WOOD MULLION OR FULL PENETRATION INTO BAR MULLION)

HINGE SCREW INTO SUBSTRATE (2 PER HINGE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.



NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, PARTIALLY PANELED OR FULLY PANELED. SEE SHEET 4 ELEVATION FOR PANELED DOORS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 10/31/11
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 8 FOOT WOOD OUTSWING IMPACT DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	MANUFACTURER SIGNATURE DOOR INC.
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770
CERTIFICATION STATE OF FLORIDA AUGUST 30 2011 WARREN W. SCHAEFER P.E. NO. 44135	
DRAWING NO. 1778	REV. C
SHEET NO. 2 OF 11	



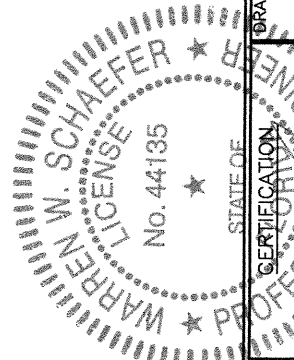
**EXTERIOR ELEVATION
MULTIPLE OPERABLE/FIXABLE UNIT**

SCALE: 3/4"=1'-0"

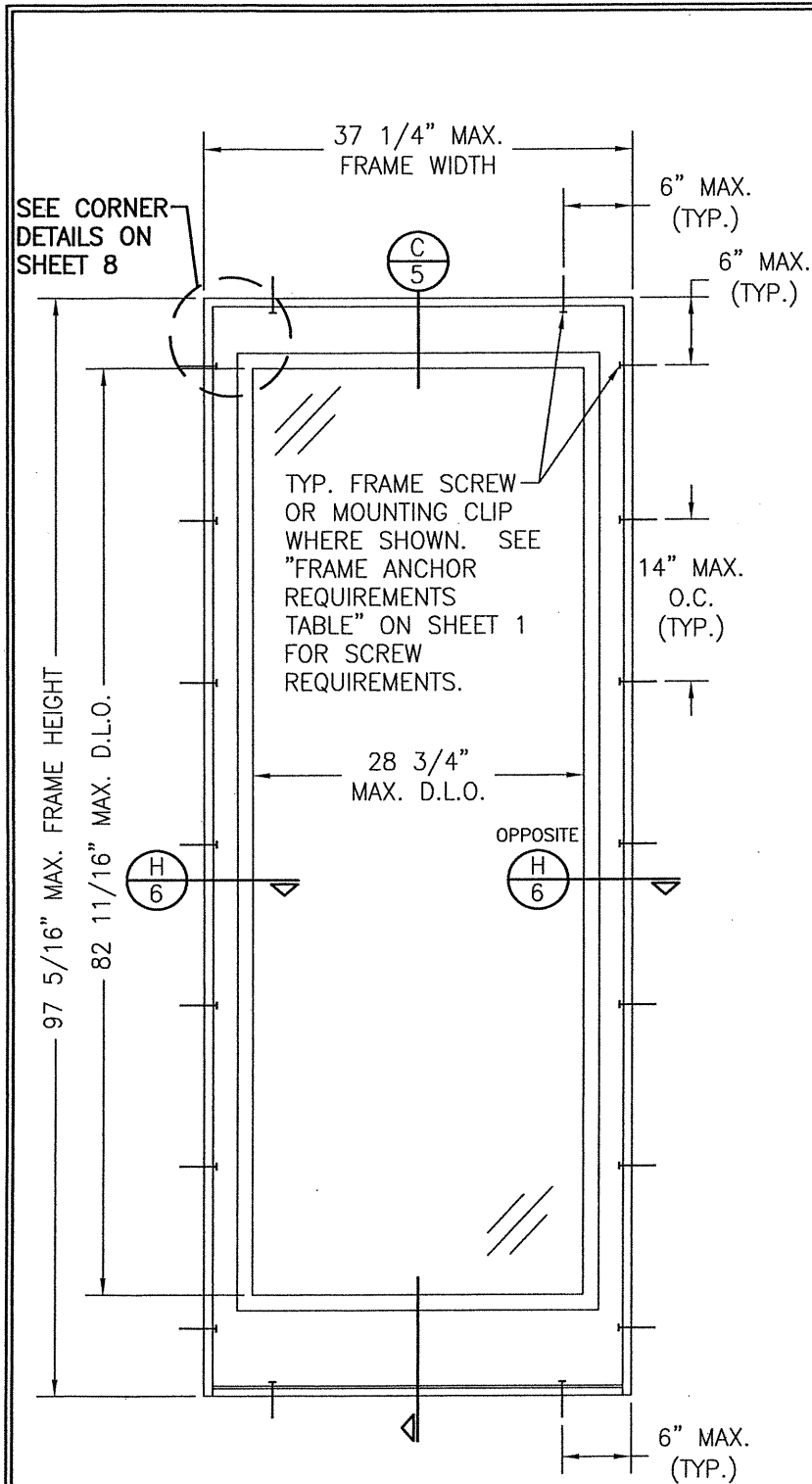
(FOR ANY DETAIL NOT SHOWN, SEE ELEVATION ON SHEET 1)
NOTE: OXXO DOOR SHOWN. ALL OTHER 4-PANEL CONFIGURATIONS
OF SINGLE/DOUBLE DOORS & SIDELIGHTS ALSO APPLY.

NOTE: DOORS MAY BE FULLY
GLAZED AS SHOWN, PARTIALLY
PANELED OR FULLY PANELED.
SEE SHEET 4 ELEVATION FOR
PANELED DOORS.

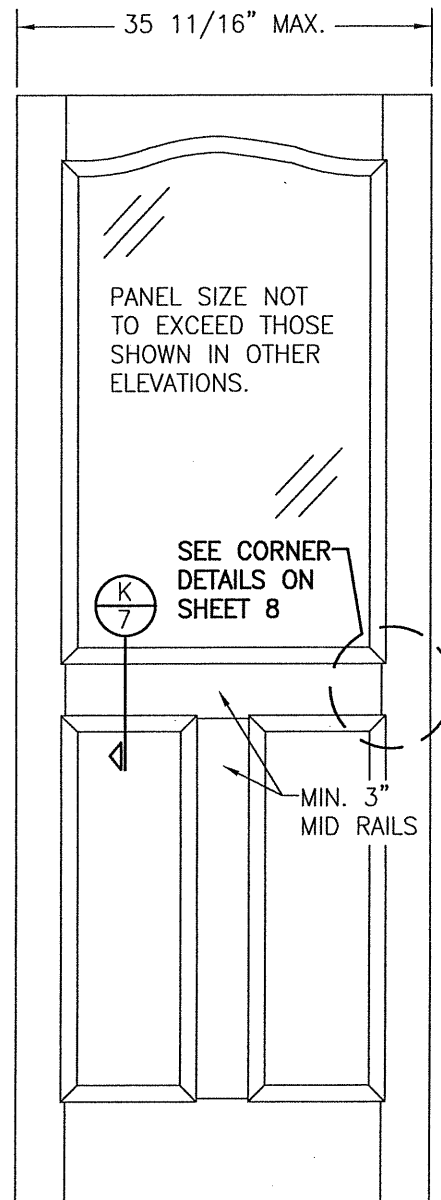
SILL AND STRIKE
PLATE ANCHORS
PER ELEVATION ON
SHEET 1



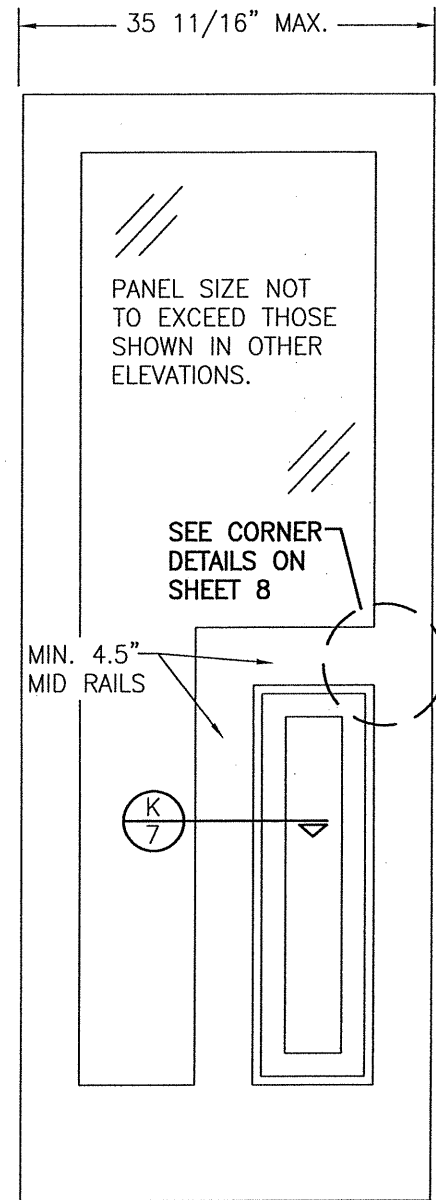
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PLOT: 1=16		DATE: 10/31/11	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE 8 FOOT WOOD OUTSWING IMPACT DOORS		MANUFACTURER SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		P.E. NO. 44135	
STATE OF FLORIDA PROFESSIONAL ENGINEER WARREN W. SCHAEFER LICENSE No. 44135 AUG 31 2020		P.E. NO. 44135	
DRAWING NO.	REV.		
1778	C		
SHEET NO.			
3 OF 11			



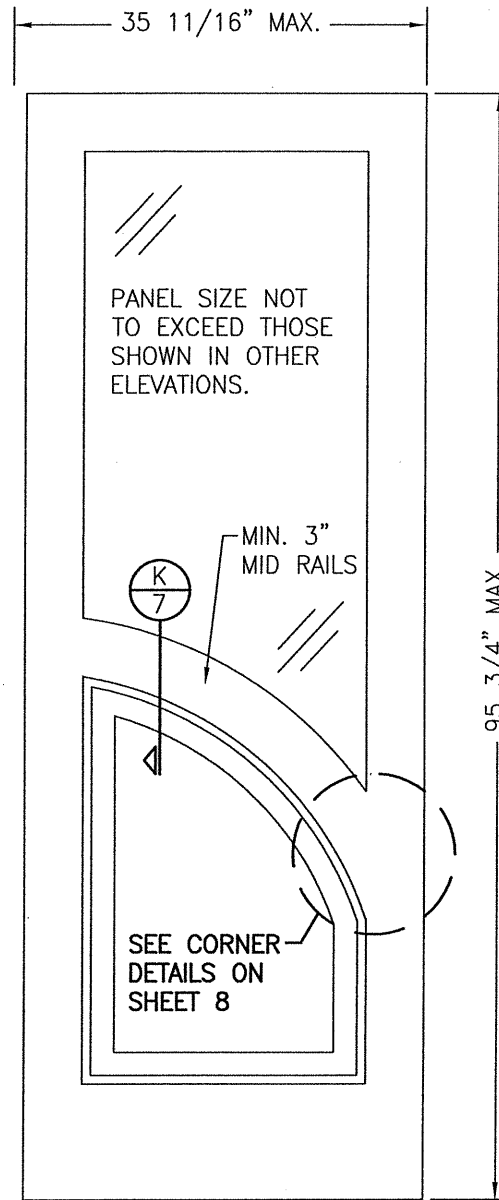
**EXTERIOR ELEVATION
SINGLE FIXED PANEL**
SCALE: 3/4"=1'-0"



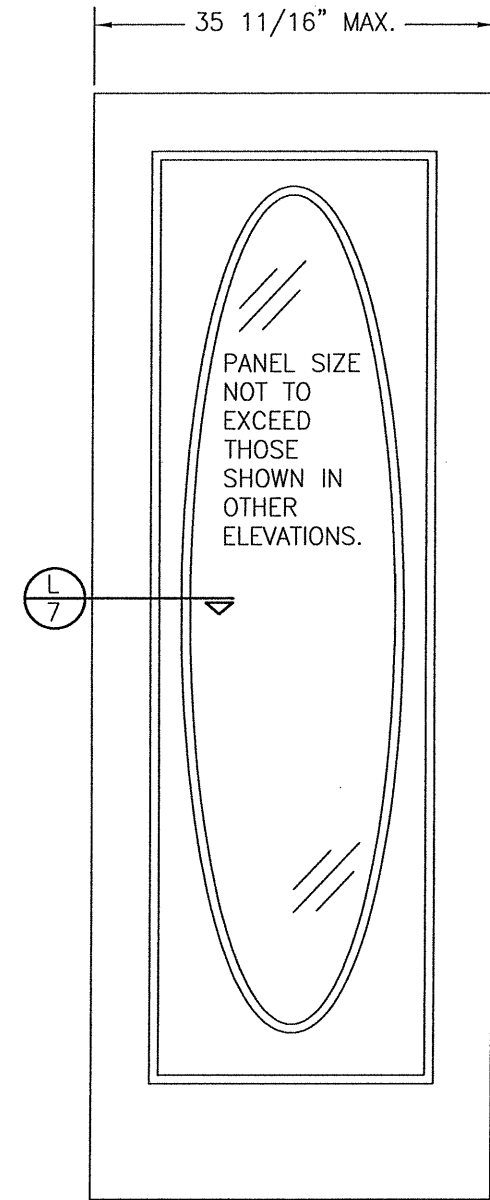
**EXTERIOR ELEVATION
SOLID RAISED PANEL WITH
STANDARD MID RAILS**
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION
SOLID RAISED PANEL WITH
CORNERED MID RAILS**
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION
SOLID RAISED PANEL WITH
ARCHED/SHAPED MID RAILS**
SCALE: 3/4"=1'-0"

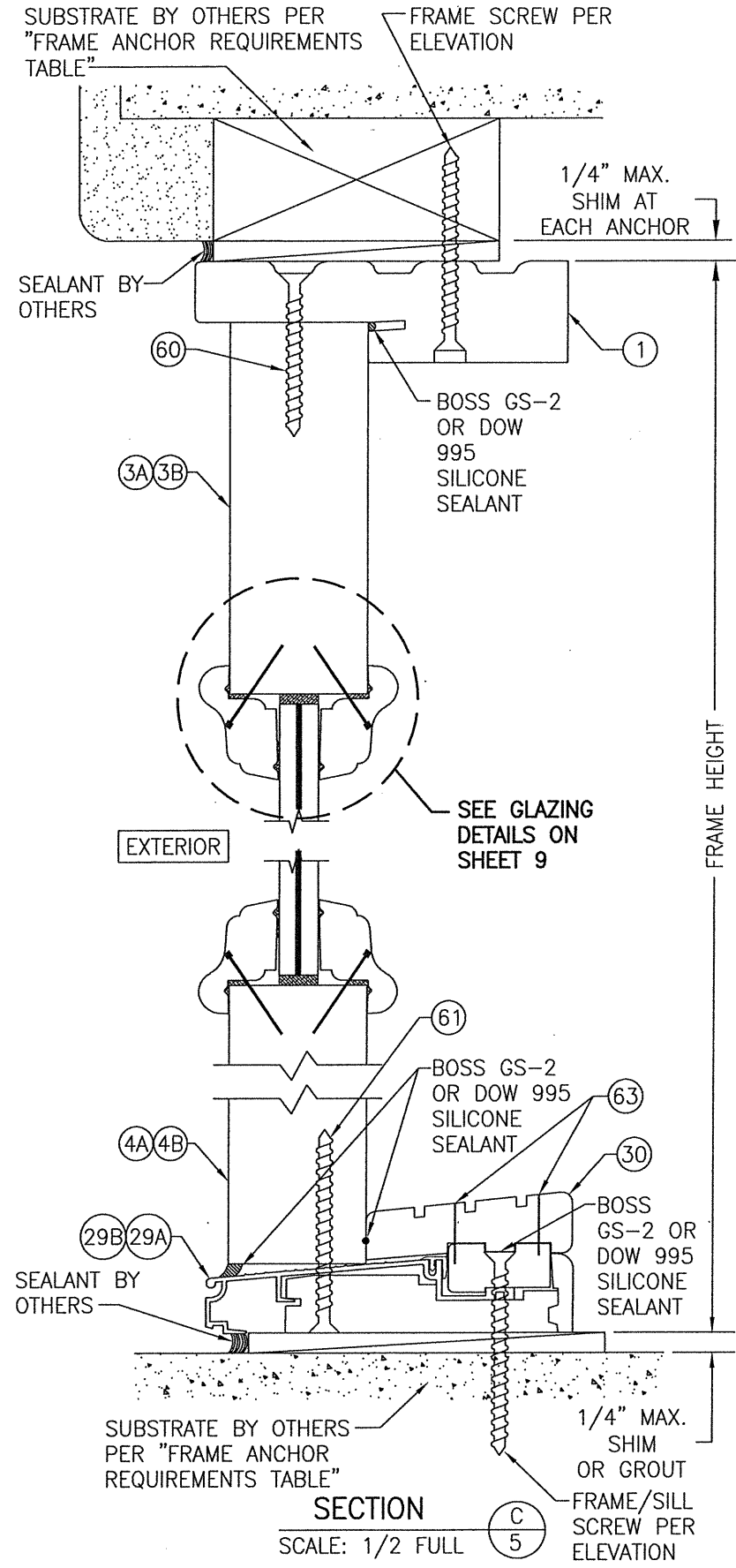
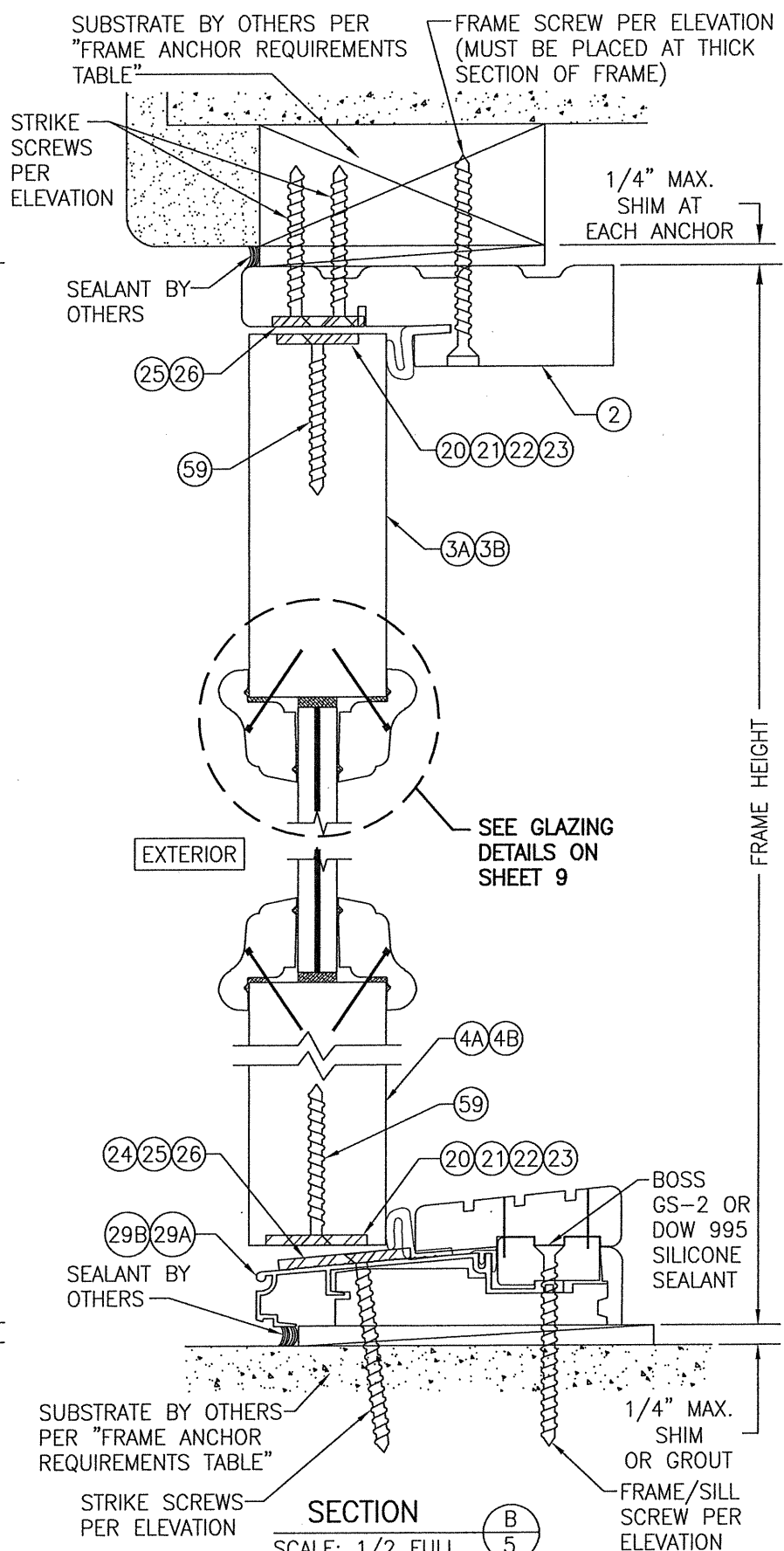
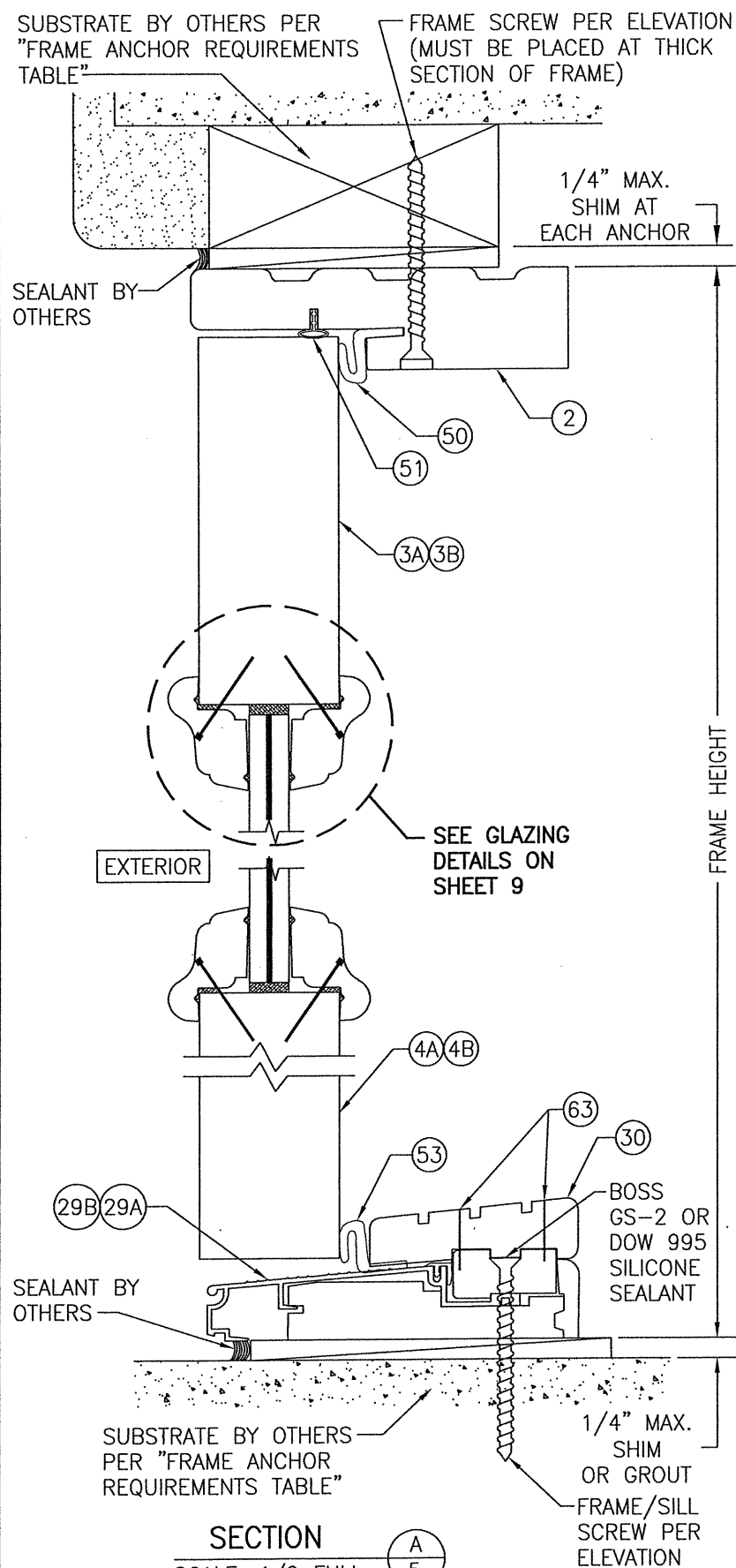


**EXTERIOR ELEVATION
RAISED PANEL WITH GLASS
GLAZED TO PANEL**
SCALE: 3/4"=1'-0"

- 1) TOP & MID RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
- 2) MULTIPLE MID RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
- 3) PARTIAL PANEL CONDITION IS SHOWN ABOVE. FULL PANEL DOORS AND OTHER PANEL CONFIGURATIONS ARE ALSO PART OF THIS APPROVAL AND ARE SIMILAR IN CONSTRUCTION TO THAT SHOWN ABOVE.
- 4) PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

- 1) DAY LIGHT OPENING IN PANEL DOOR MAY BE OF ANY CONFIGURATION.
- 2) FULL LIGHT & OVAL CONDITION IS SHOWN. PARTIAL LIGHT & OTHER LIGHT CONFIGURATIONS ARE ALSO APPLICABLE PROVIDING PANEL CONDITIONS ARE WITHIN WHAT IS SPECIFIED IN THESE DRAWINGS.
- 3) PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 10/31/11
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 8 FOOT WOOD OUTSWING IMPACT DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	MANUFACTURER SIGNATURE DOOR INC.
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770
DRAWING NO. 1778	REV. C
SHEET NO. 4	of 11

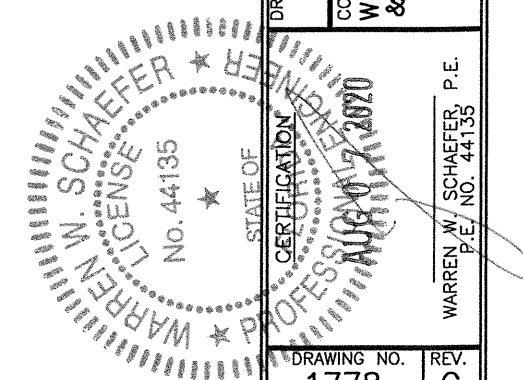


FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & MOUNTING CLIP DETAILS.

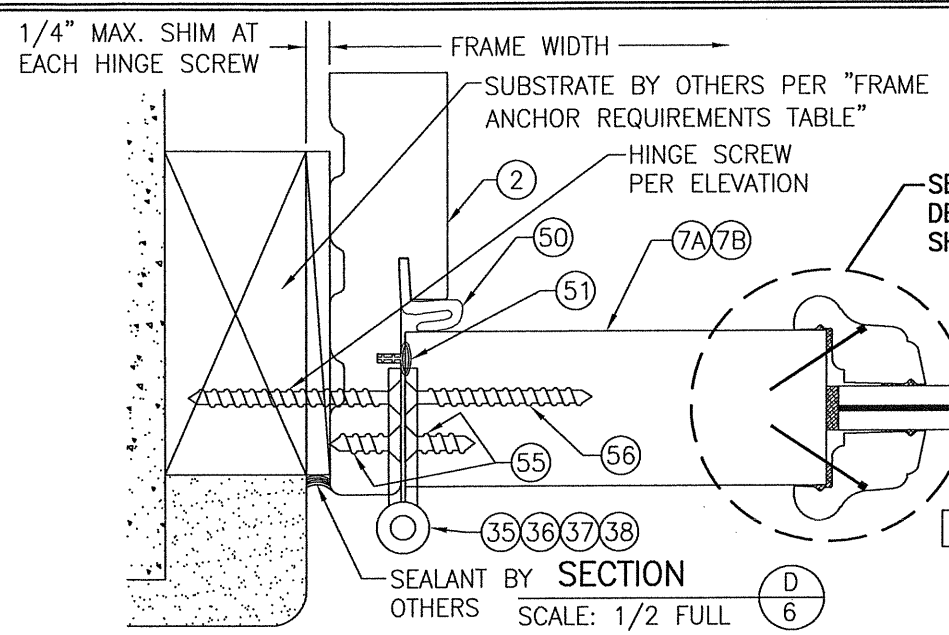
(STANDARD BUMPER THRESHOLD CONDITION SHOWN. SEE OTHER DETAILS ON SHEET 7 FOR ADA & OTHER BUMPER THRESHOLD OPTIONS.)

(FOR DETAIL NOT SHOWN, SEE SECTION A/5) (STANDARD BUMPER THRESHOLD CONDITION SHOWN. SEE OTHER DETAILS ON SHEET 7 FOR ADA & OTHER BUMPER THRESHOLD OPTIONS.)

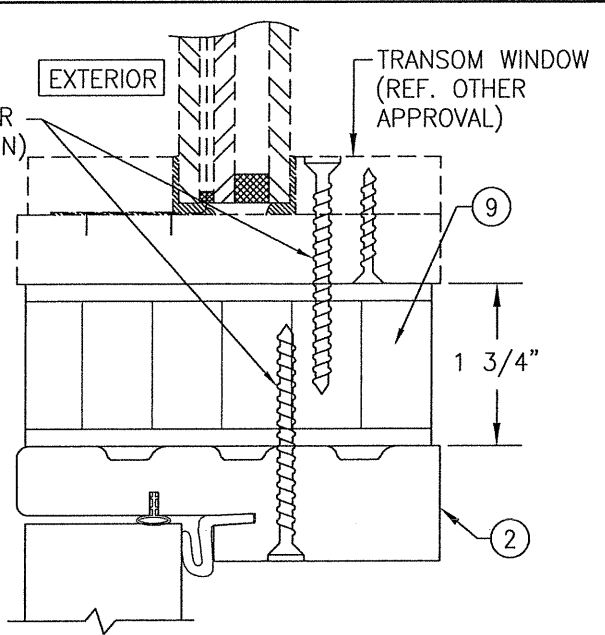
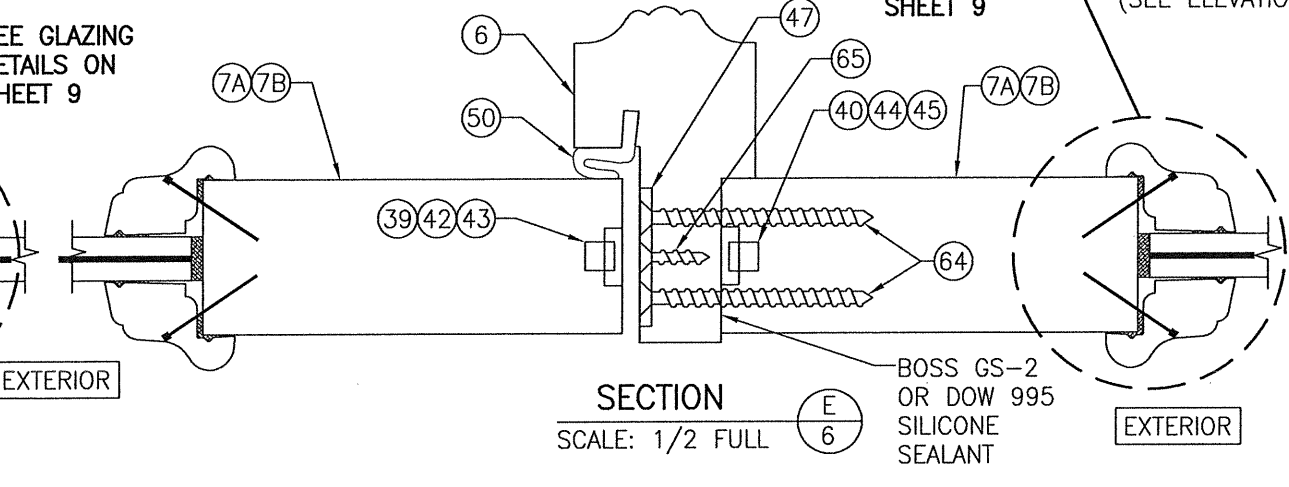
(STANDARD BUMPER THRESHOLD CONDITION SHOWN. SEE OTHER DETAILS ON SHEET 7 FOR ADA & OTHER BUMPER THRESHOLD OPTIONS.)



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 10/31/11	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 8 FOOT WOOD OUTSWING IMPACT DOORS			
CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1778	
		REV. C	
SHEET NO. 5 OF 11			

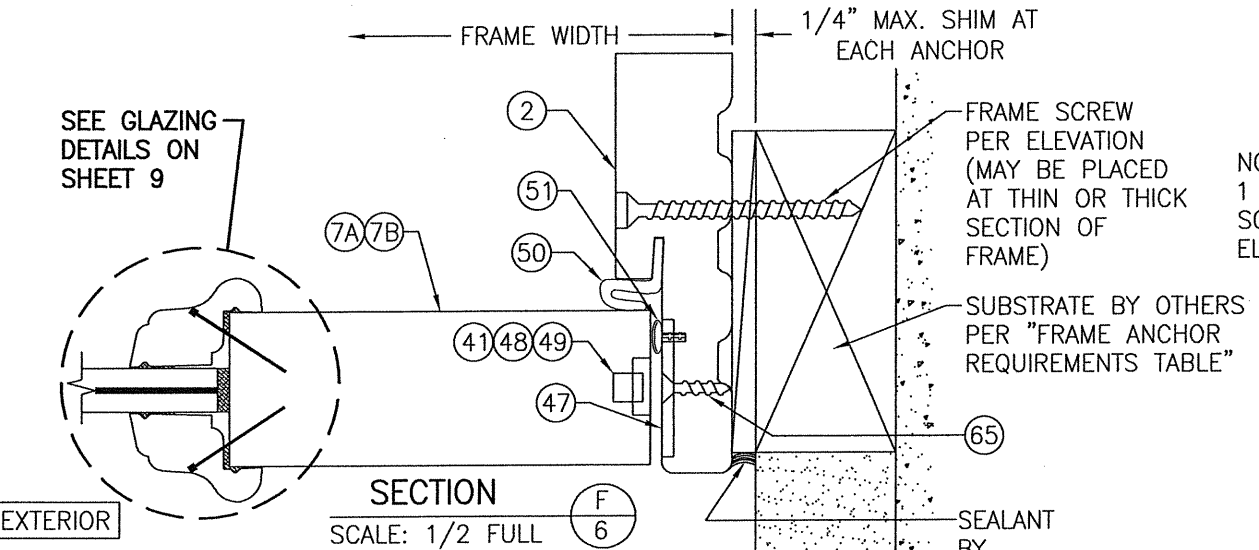


FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & MOUNTING CLIP DETAILS.



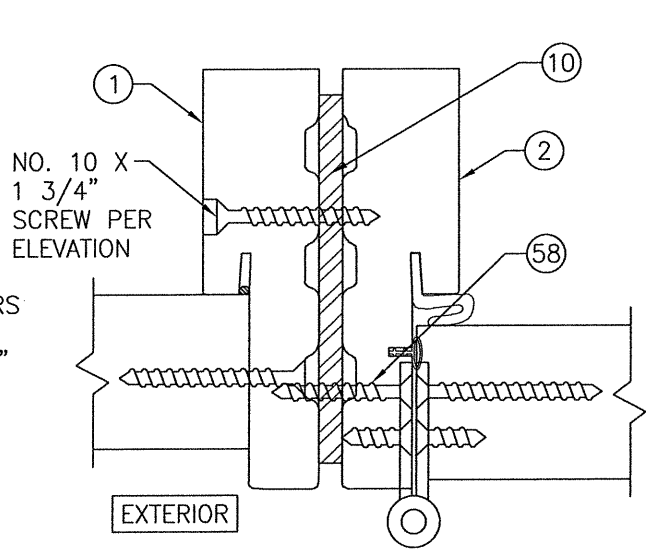
SECTION G1
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



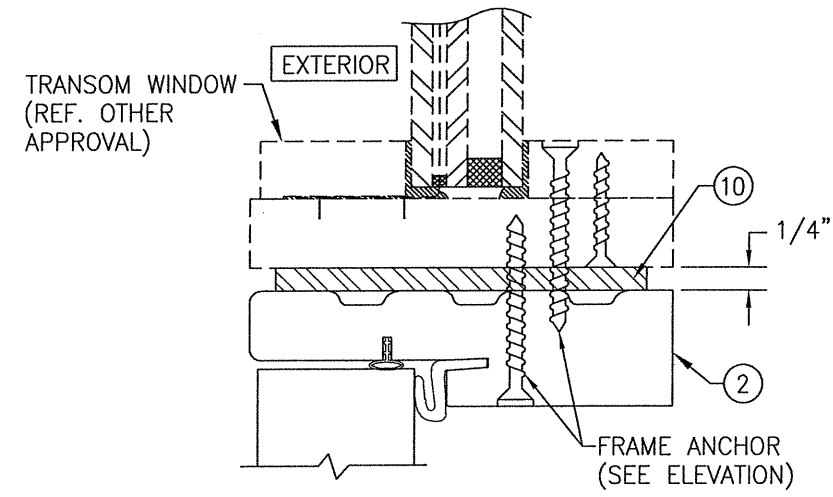
SECTION F
SCALE: 1/2 FULL

NOTE: SHOWN WITH MULTI-POINT LOCK HARDWARE. SINGLE POINT MORTISE LOCK ALSO MAY BE USED AT SINGLE DOORS PER SHEET 1.



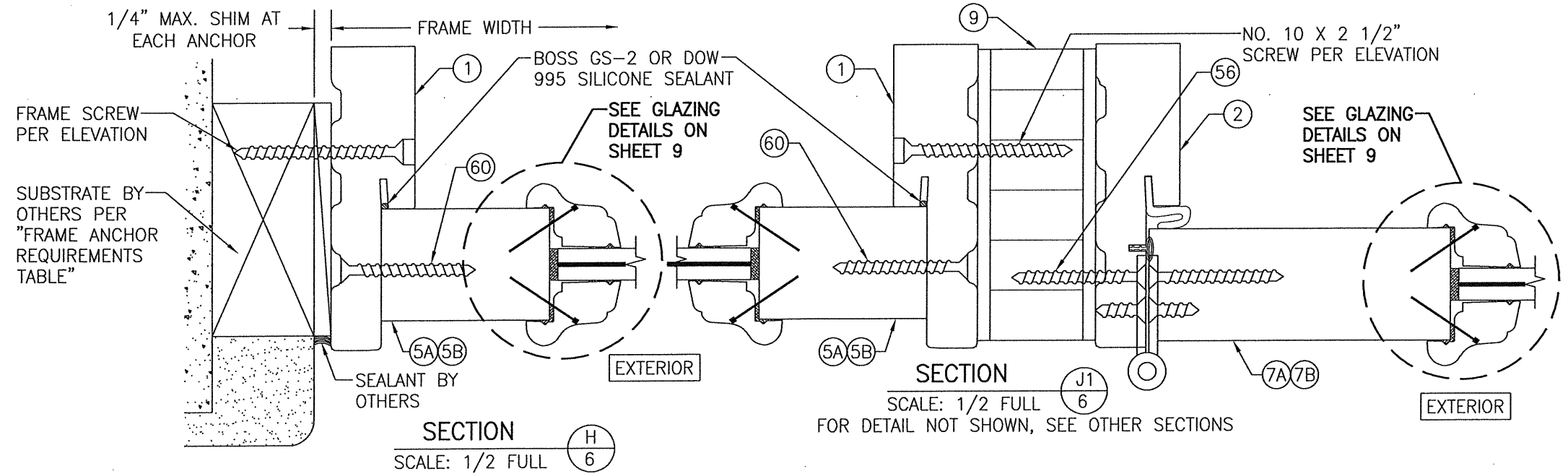
SECTION J2
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



SECTION G2
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

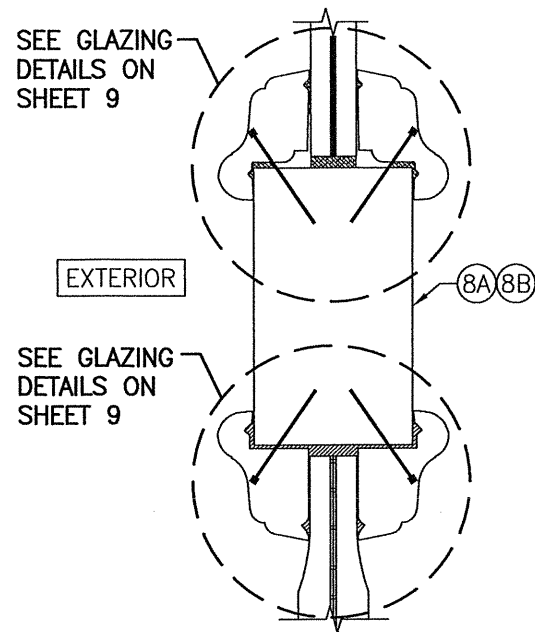


SECTION H
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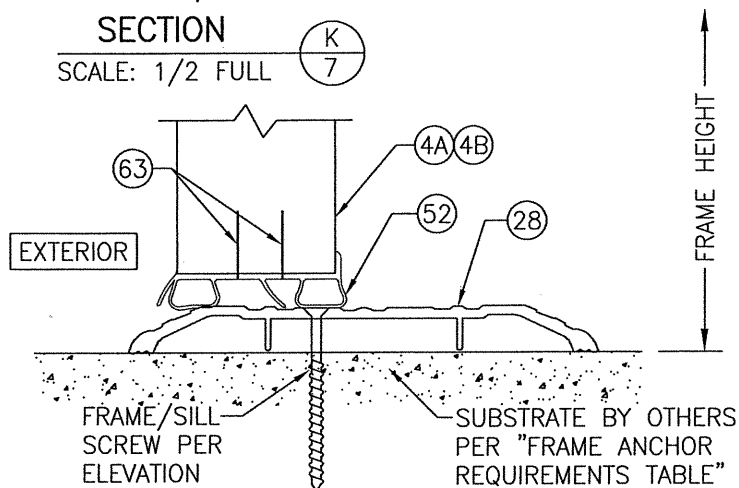
SECTION J1
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 10/31/11	
DATE	BY	NO.	REVISION DESCRIPTION
DRAWING TITLE			
8 FOOT WOOD OUTSWING IMPACT DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		SIGNATURE DOOR INC.	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
CERTIFICATION			
WARREN W. SCHAEFER, P.E.			
LICENSE NO. 44135			
STATE OF FLORIDA			
AUG 01 2020			
DRAWING NO. 1778		REV. C	
SHEET NO. 6 OF 11			

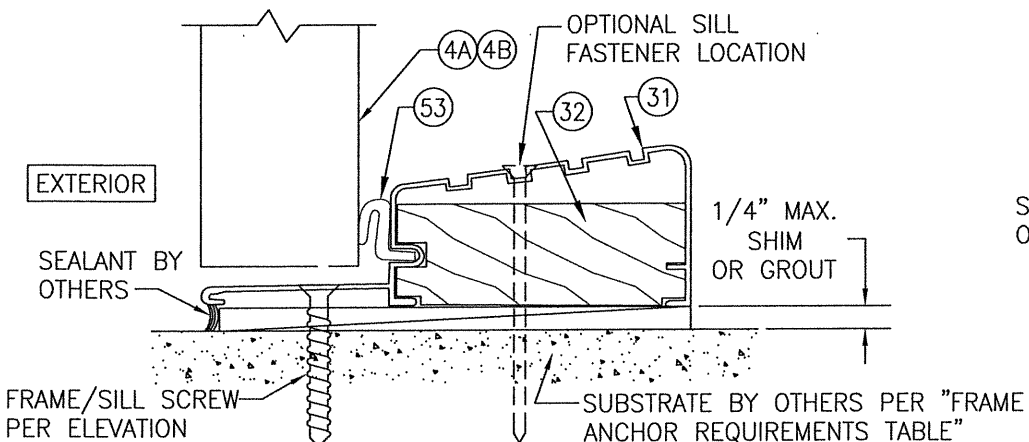


SECTION K
SCALE: 1/2 FULL

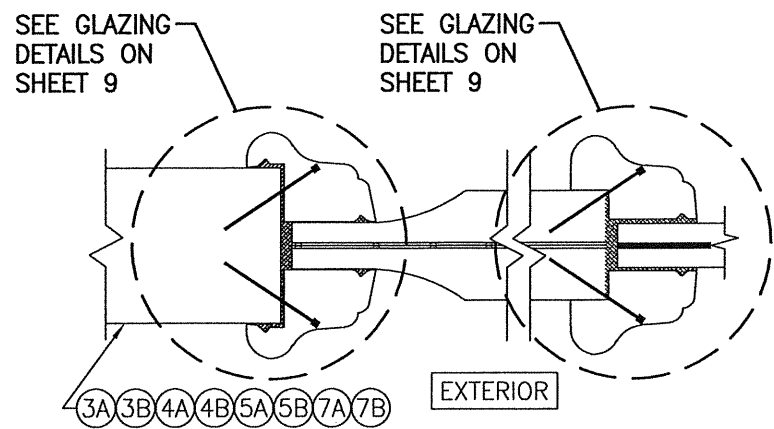


ADA THRESHOLD OPTION 2 DETAIL
FOR DETAIL & REINFORCEMENT PLATES NOT SHOWN, SEE SECTIONS A/5, B/5 & C/5

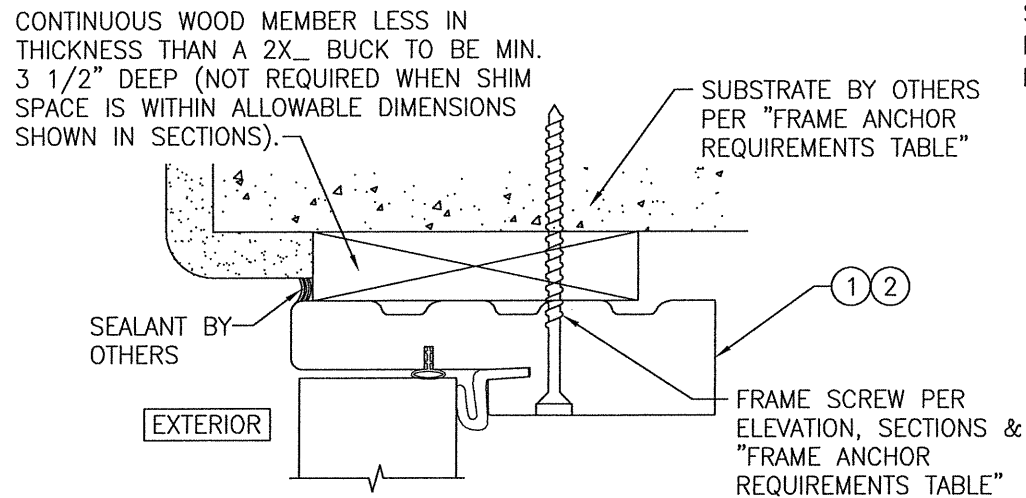
NOTE: WHEN THE ADA THRESHOLD IS USED, THE DOOR UNITS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS THE UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THE UNITS ARE INSTALLED AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.



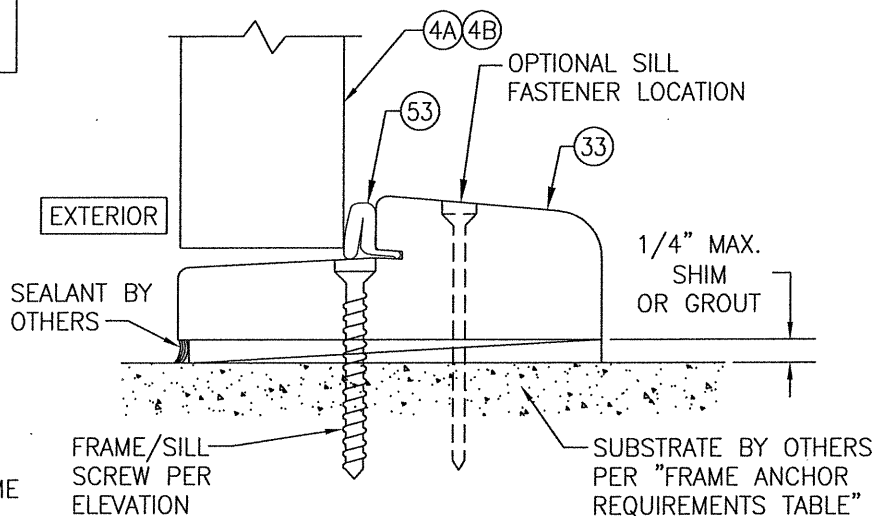
BUMPER THRESHOLD OPTION 3 DETAIL
FOR DETAIL & STRIKE/REINFORCEMENT PLATES NOT SHOWN, SEE SECTIONS A/5, B/5 & C/5



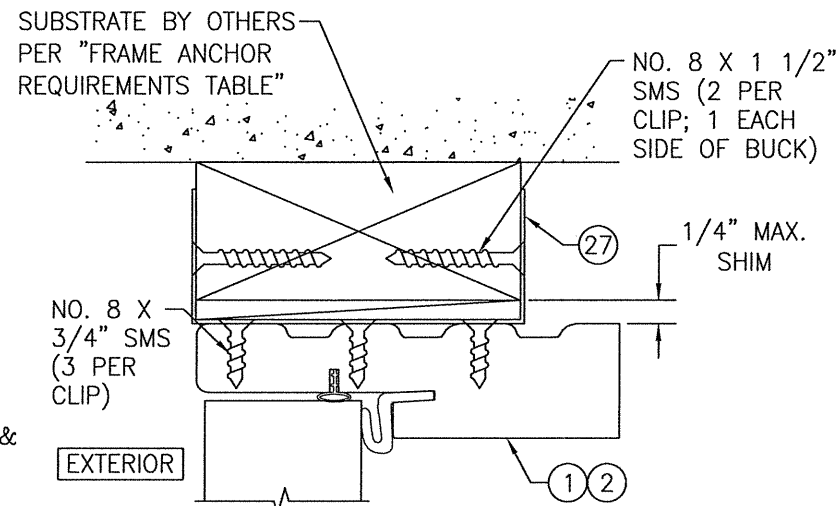
SECTION N
SCALE: 1/2 FULL



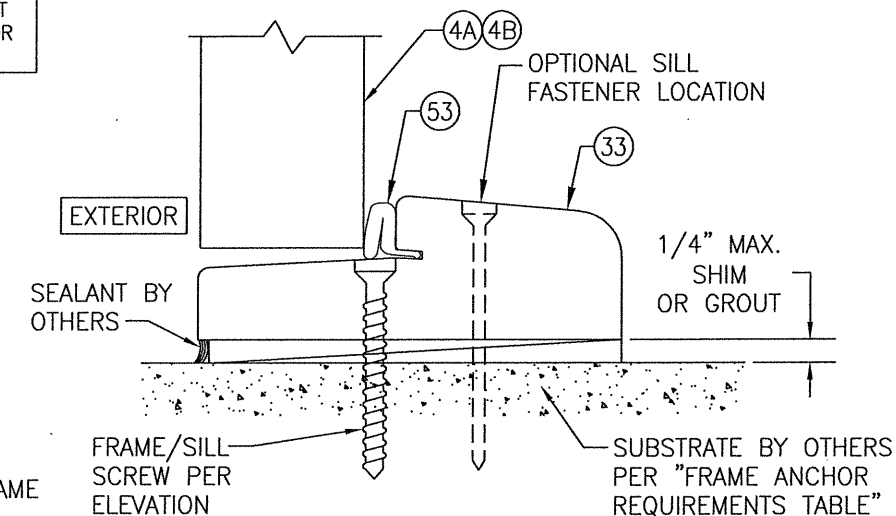
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL CLIP MOUNT DETAIL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS
(HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



OPTIONAL CLIP MOUNT DETAIL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS
(HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



BUMPER THRESHOLD OPTION 4 DETAIL
FOR DETAIL & STRIKE/REINFORCEMENT PLATES NOT SHOWN, SEE SECTIONS A/5, B/5 & C/5

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 10/31/11
NO.	REVISION DESCRIPTION
DATE	BY

DRAWING TITLE
8 FOOT WOOD OUTSWING IMPACT DOORS

MANUFACTURER
SIGNATURE DOOR INC.
401 PRIORITY STREET
ALTOONA, PA 16602
814-949-2770

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

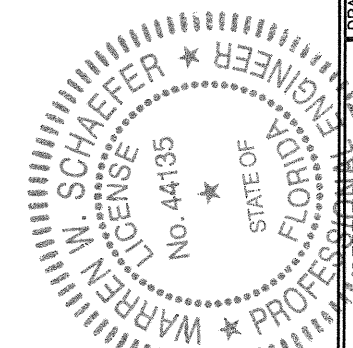
CERTIFICATION
AUG 07 2020

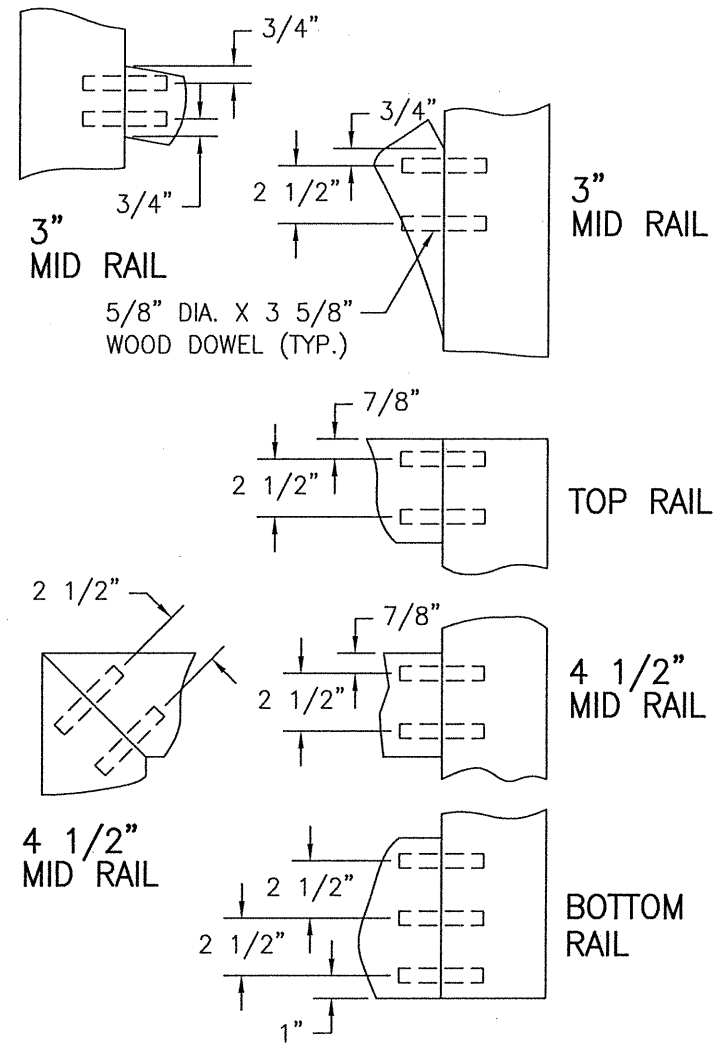
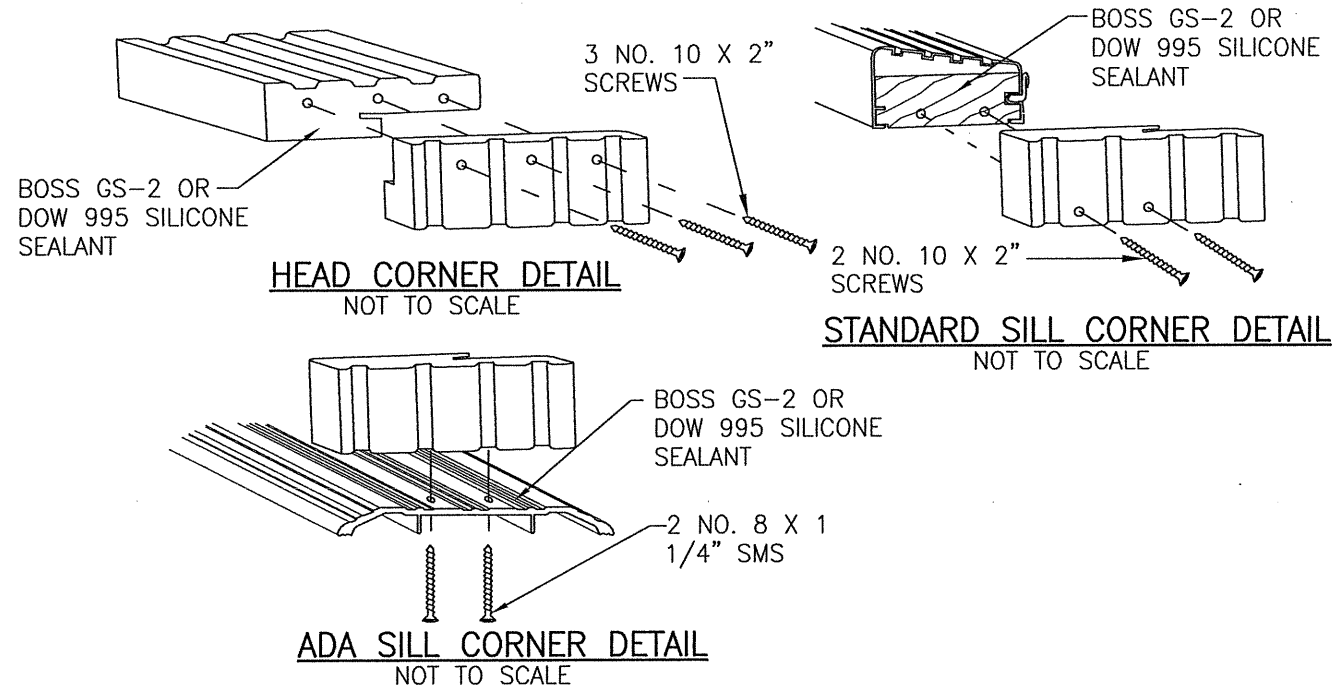
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.
1778

REV.
C

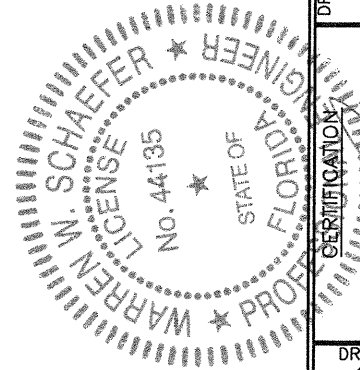
SHEET NO.
7 OF **11**





PANEL CORNER DETAILS

NOT TO SCALE
ALL DOWEL AND WOOD TO WOOD CONTACT SURFACES ARE FULLY GLUED WITH WOOD ADHESIVE BY JOWAT ADHESIVES, KORLOCK GT 42-300A OR TITEBOND II BY WEATHERPROOF.



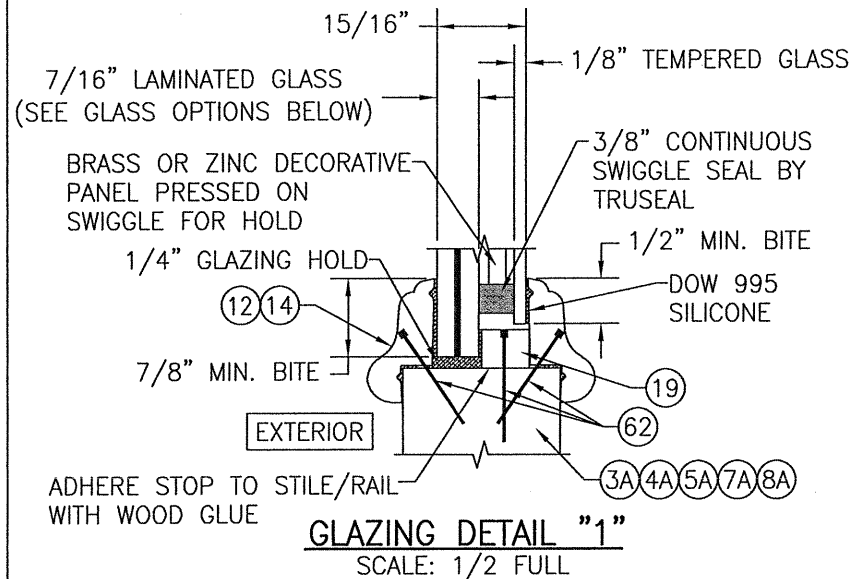
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 10/31/11	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 8 FOOT WOOD OUTSWING IMPACT DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1778		REV. C	
SHEET NO. 8 OF 11			

**ALLOWABLE DESIGN PRESSURE
(ALL GLASS OPTIONS)**

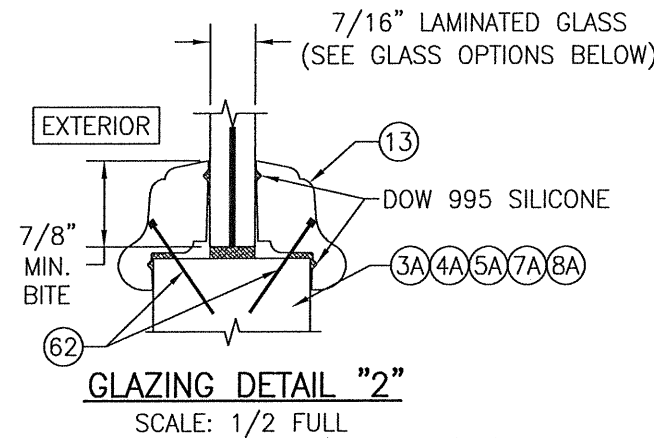
(1)(2) +65/-80 PSF
(ALL DOOR SIZES)

(1) POSITIVE PRESSURE NOTE: DOORS ARE APPROVED FOR WATER INFILTRATION RESISTANCE WHEN THE BUMPER THRESHOLDS (ITEMS 29 & 31) ARE USED. WHEN THE "ADA" THRESHOLD IS USED, THESE DOORS ARE NOT APPROVED FOR WATER INFILTRATION RESISTANCE UNLESS THE UNITS ARE INSTALLED IN A NON-HABITABLE AREA WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION. OTHERWISE, THE DOORS MUST BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF THE CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES.

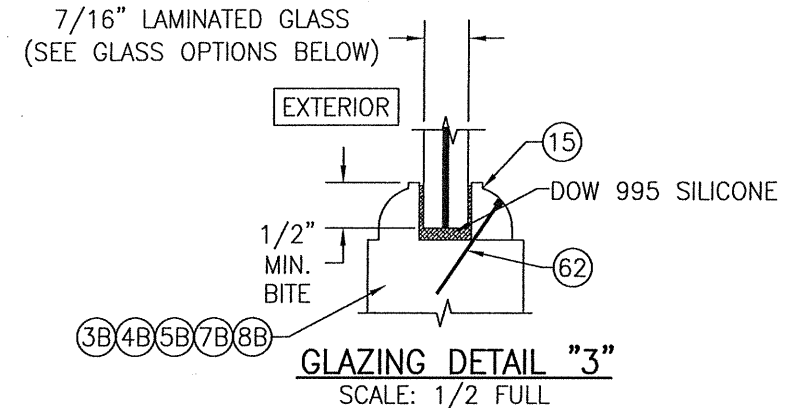
(2) WHEN A SINGLE POINT MORTISE LOCK IS USED, THE ALLOWABLE DESIGN PRESSURE SHALL BE LIMITED TO THE LESSER OF +/-60 PSF OR THE APPLICABLE LOAD IN THE LOAD TABLE.



GLAZING DETAIL "1"
SCALE: 1/2 FULL



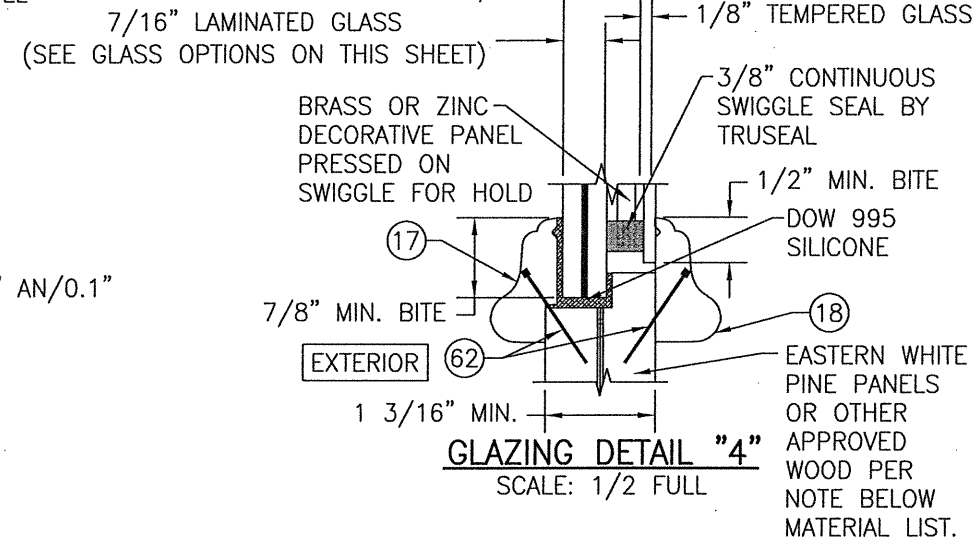
GLAZING DETAIL "2"
SCALE: 1/2 FULL



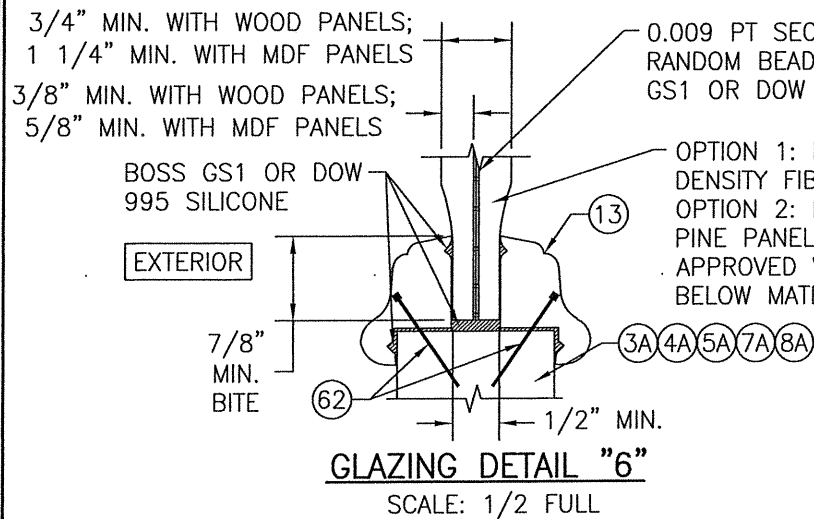
GLAZING DETAIL "3"
SCALE: 1/2 FULL

LAMINATED GLASS OPTIONS

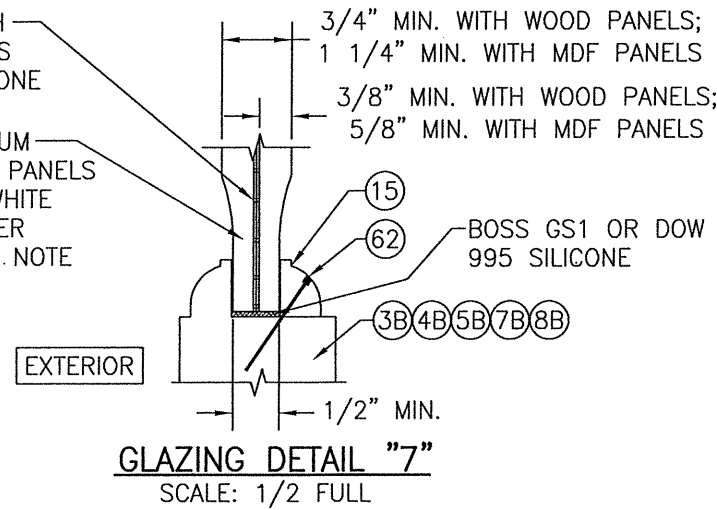
- OPTION 1: 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED GLASS (3/16" AN/0.1" POLYURETHANE POLYMER/3/16" AN)
- OPTION 2: 7/16" THICK LAMINATED GLASS (3/16" AN/0.075" EASTMAN CHEM. CO. SAFLEX CP/3/16" AN)
- OPTION 3: 7/16" THICK LAMINATED GLASS (3/16" AN/0.09" KURARAY SG/3/16" AN)



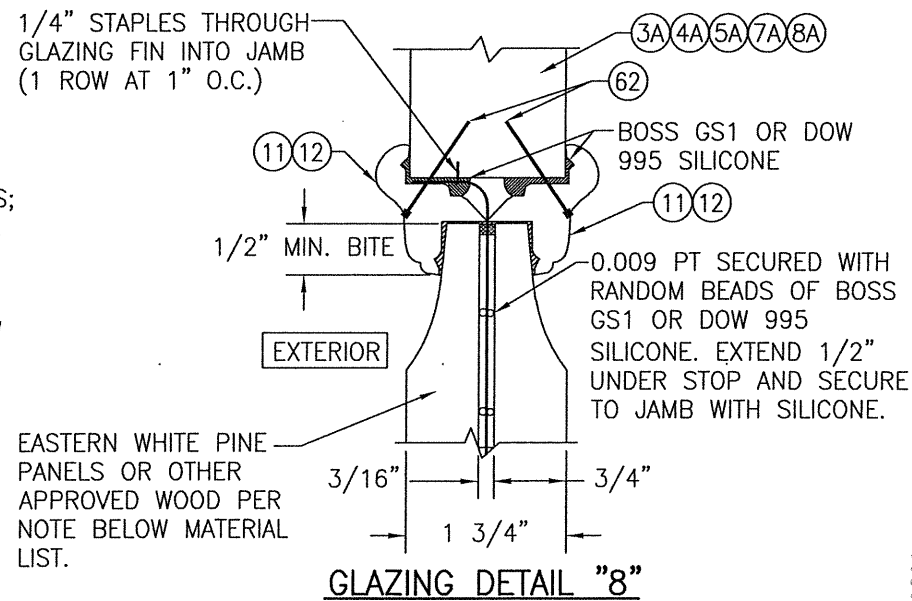
GLAZING DETAIL "4"
SCALE: 1/2 FULL



GLAZING DETAIL "6"
SCALE: 1/2 FULL



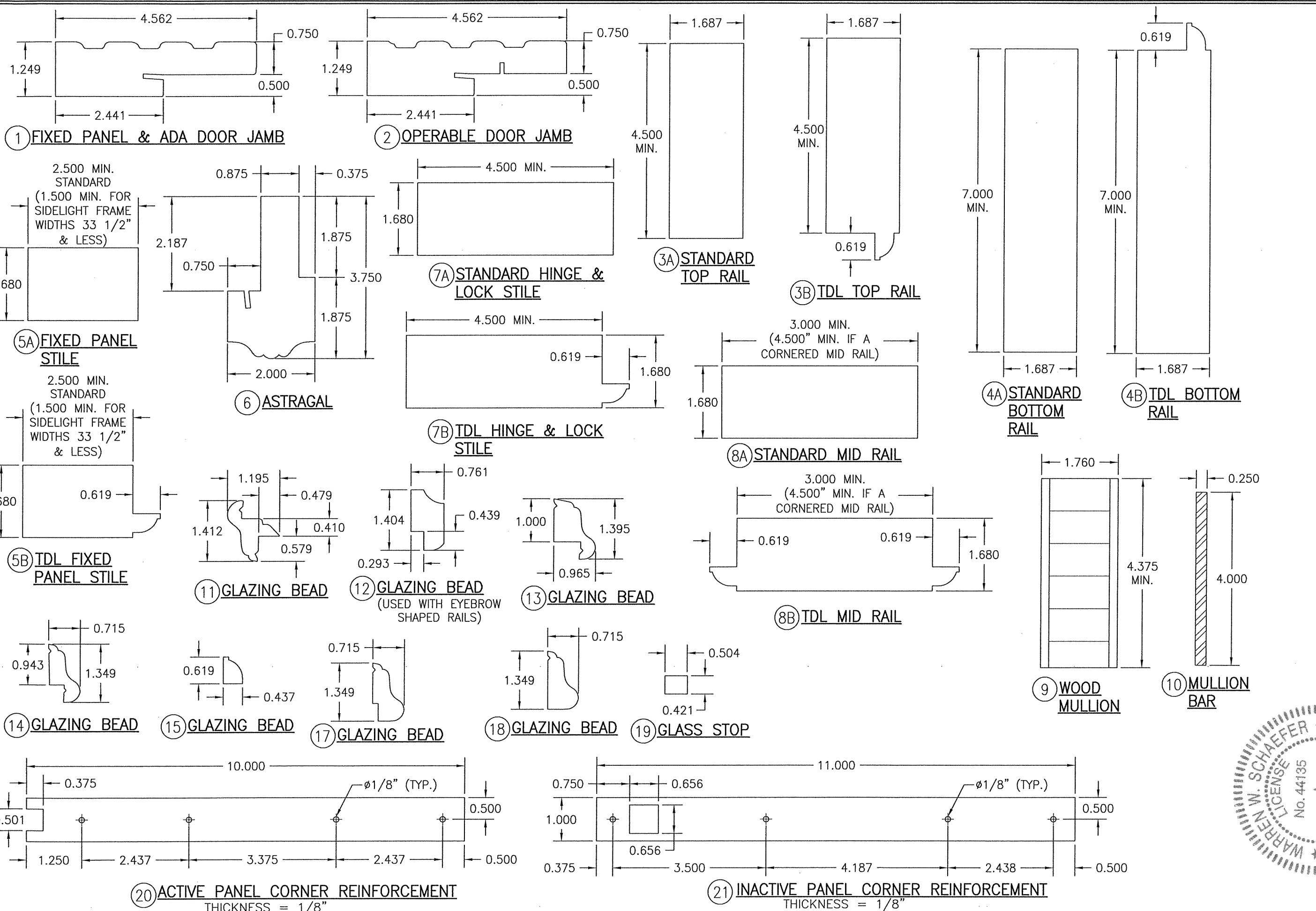
GLAZING DETAIL "7"
SCALE: 1/2 FULL



GLAZING DETAIL "8"

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 10/31/11
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE 8 FOOT WOOD OUTSWING IMPACT DOORS	
MANUFACTURER SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION WARREN W. SCHAEFER P.E. NO. 44135 AUG 07 2020	
DRAWING NO. 1778	REV. C
SHEET NO. 9 OF 11	





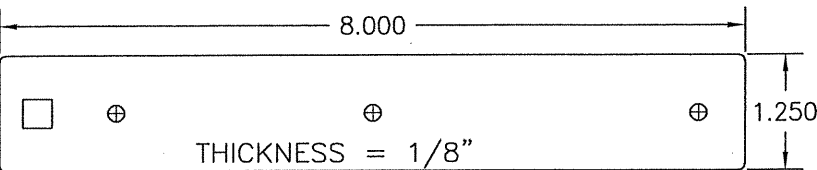
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 10/31/11
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE 8 FOOT WOOD OUTSWING IMPACT DOORS	
MANUFACTURER SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION STATE OF FLORIDA WARREN W. SCHAEFER LICENSE No. 44135 P.E. No. 44135	
DRAWING NO. 1778	REV. C
SHEET NO. 10 OF 11	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FIXED PANEL & ADA DOOR JAMB	* WOOD (LAMINATED WITH CURVED JAMB)
2	OPERABLE DOOR JAMB	* WOOD (LAMINATED WITH CURVED JAMB)
3A	TOP RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
3B	TDL TOP RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
4A	BOTTOM RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
4B	TDL BOTTOM RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
5A	FIXED STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
5B	TDL FIXED STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
6	ASTRAGAL	* WOOD
7A	OPERABLE STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
7B	TDL OPERABLE STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
8A	MID-RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
8B	TDL MID-RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
9	WOOD MULLION	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
10	MULLION BAR	A36 STEEL
11	GLAZING BEAD	* WOOD
12	GLAZING BEAD	* WOOD
13	GLAZING BEAD	* WOOD
14	GLAZING BEAD	* WOOD
15	GLAZING BEAD	* WOOD
16	JAMB REINF. PLATE (.044" X 4.00" X 8.00")	GALVANIZED STEEL (NOT REQ'D WITH CURVED JAMBS)
17	GLAZING BEAD	* WOOD
18	GLAZING BEAD	* WOOD
19	GLASS STOP	* WOOD
20	ACTIVE PANEL CORNER REINFORCEMENT	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
21	INACTIVE PANEL CORNER REINFORCEMENT	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
22	ACTIVE PANEL CORNER REINFORCEMENT	BRASS OR STAINLESS STEEL - TO BE ONLY USED WITH FUHR LOCKS (ITEMS 36B & 37B)
23	INACTIVE PANEL CORNER REINFORCEMENT	BRASS OR STAINLESS STEEL - TO BE ONLY USED WITH FUHR LOCKS (ITEMS 36B & 37B)
24	SILL STRIKE PLATE	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
25	HEAD STRIKE PLATE	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
26	HEAD & SILL STRIKE PLATE	BRASS OR STAINLESS STEEL - TO BE ONLY USED WITH FUHR LOCKS (ITEMS 36B & 37B)
27	MOUNTING CLIP	18 GA. GALVANIZED STEEL
28	ADA THRESHOLD	HAGAR 401-S
29A	OUTSWING THRESHOLD	IMPERIAL 5QCW W/WOOD BASE; USED WITH ITEM 30
29B	OUTSWING THRESHOLD	IMPERIAL 5KXDV W/COMPOSITE BASE; USED WITH ITEM 30
30	BUMPER SILL	HARDWOOD; TO BE USED WITH ITEM 29
31	ALUMINUM THRESHOLD	6063-T5 ALUMINUM
32	THRESHOLD FILLER	POPLAR
33	OPTIONAL WOOD THRESHOLD	OAK OR MAHOGANY
HARDWARE		
35	4" X 4" BUTT HINGE	PENROD MH40AUPC (STEEL)
36	4" X 4" BALL BEARING HINGE	PENROD MH40BBTP (BRASS)
37	4" X 4" BALL BEARING HINGE	BALDWIN 1041 (BRASS)
38	4" X 4" BALL BEARING HINGE	PENROD MH40BBPC (STEEL)
39	5-POINT ACTIVE PANEL LOCK SYS.	HOPPE HLS9000 ROUND BOLT/SHOOTBOLT
40	2-POINT INACTIVE PANEL LOCK SYS.	HOPPE HLS9000 SHOOTBOLT
41	3-POINT ACTIVE PANEL LOCK SYS.	HOPPE HLS9000 ROUND BOLT
42	5-POINT ACTIVE PANEL LOCK SYS.	GU RHINO
43	5-POINT ACTIVE PANEL LOCK SYS.	FUHR
44	2-POINT INACTIVE PANEL LOCK SYS.	GU EUROPA
45	2-POINT INACTIVE PANEL LOCK SYS.	FUHR
46	HANDLE	AS REQ'D TO FIT LOCK SYSTEM
47	LOCK STRIKE PLATE	AS SUPPLIED WITH LOCK SYSTEM
48	3-POINT ACTIVE PANEL LOCK SYS.	GU RHINO
49	3-POINT ACTIVE PANEL LOCK SYS.	FUHR
SEALS AND SEALANTS		
50	WEATHER SEAL	ILPEA IND. HF65B (PREV. HOLM INDUSTRIES JF65814)
51	BULB WEATHERSTRIPPING	ULTRAFAB E10210BN3020
52	DOOR SWEEP	IMPERIAL FBS30B/FBS36B
53	WEATHER SEAL	LOX-SEAL V-9928 (PREV. HOLM INDUSTRIES NO. JF87)

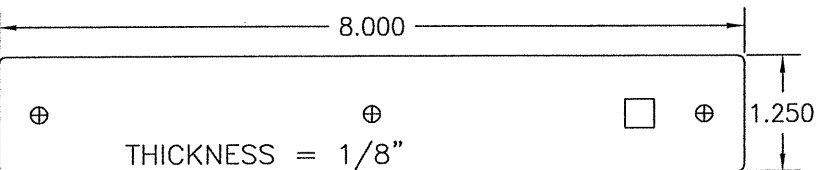
MAY SUBSTITUTE WITH LAUREN DOOR SEALS PART #1032057 PROVIDING THE DOOR DOES NOT REQUIRE A WATER RESISTANCE RATING (DOORS NOT TESTED WITH THIS SEAL).

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
MISC. FASTENERS		
55	NO. 9 X 3/4" SMS	2 PER HINGE LEAF INTO JAMB & STILE
56	NO. 10 X 2" SMS	2 PER HINGE LEAF INTO STILE & WOOD MULLION
58	NO. 10 X 1 1/2" SMS	2 PER HINGE LEAF INTO STEEL MULLION
59	NO. 10 X 2" SMS	4 PER DOOR REINFORCEMENT PLATE
60	NO. 10 X 2" SMS	6" FROM CORNERS & 16" MAX O.C.
61	NO. 10 X 2" SMS	6" FROM CORNERS & MID SPAN ON SILL
62	1 3/16" BRAD NAIL	1" FROM CORNERS & 8" O.C.
63	1/2" X 3/4" STAPLE	3/4" FROM CORNERS & 6" O.C. STAGGERED
64	NO. 10 X 2 1/2" SMS	3" FROM ENDS & 22" O.C. THRU ASTRAGAL
65	NO. 6 X 3/4" SCREW	2 PER STRIKE PLATE

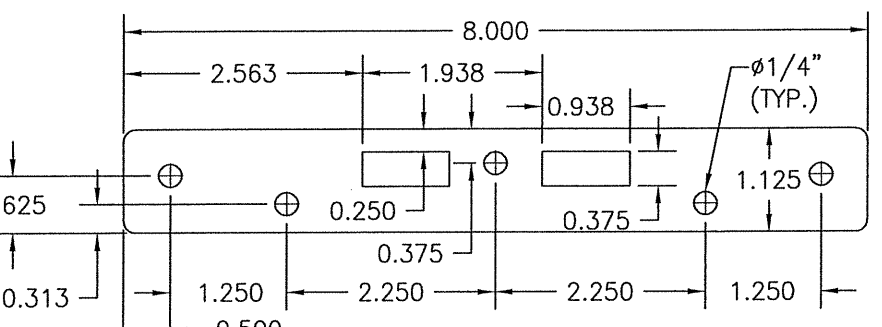
NOTE: WOOD USED IN TESTING WAS EASTERN WHITE PINE WITH A SPECIFIC GRAVITY OF G = 0.36 AND A MODULUS OF ELASTICITY OF E = 1,200,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.36 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY SIGNATURE DOOR INC. TO SELECT.



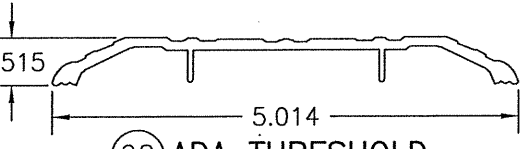
22 ACTIVE PANEL CORNER REINFORCEMENT



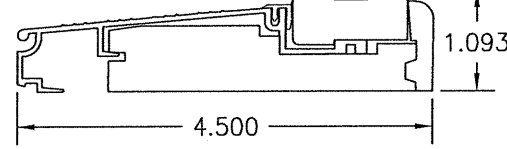
23 INACTIVE PANEL CORNER REINFORCEMENT



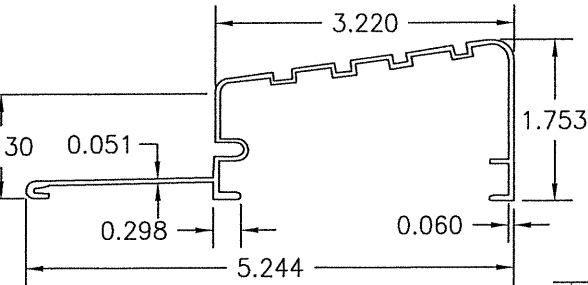
25 HEAD STRIKE PLATE
THICKNESS = 1/8"



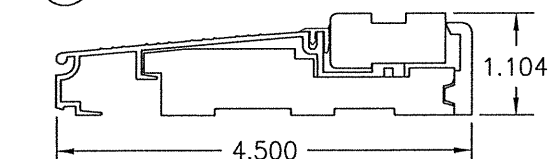
28 ADA THRESHOLD



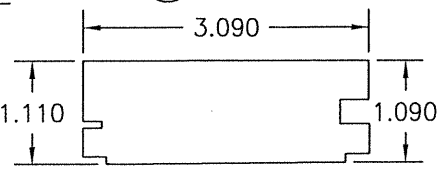
29A OUTSWING THRESHOLD



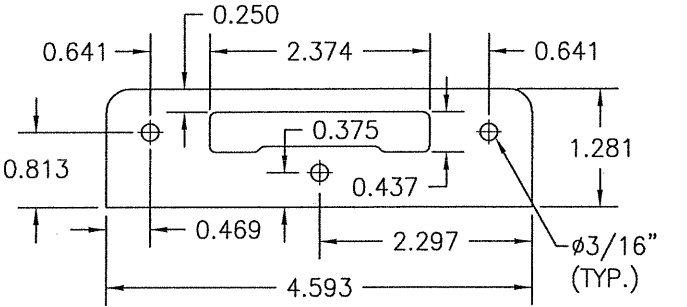
31 ALUMINUM THRESHOLD



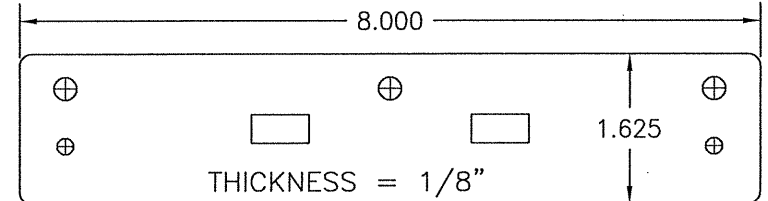
29B OUTSWING THRESHOLD



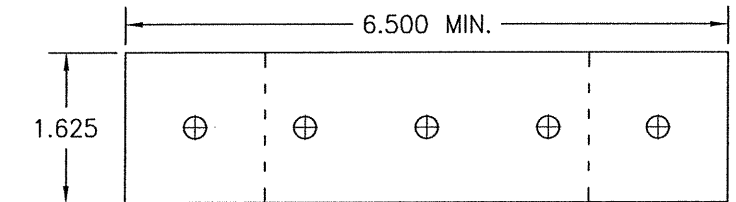
32 THRESHOLD FILLER



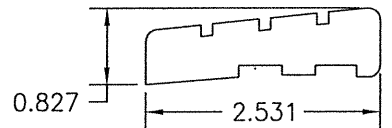
24 SILL STRIKE PLATE
THICKNESS = 3/32"



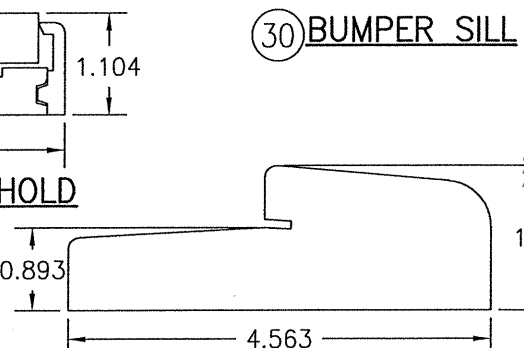
26 HEAD & SILL STRIKE PLATE



27 MOUNTING CLIP
THICKNESS = 0.044"



30 BUMPER SILL



33 OPTIONAL WOOD THRESHOLD

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MANUFACTURER W. SCHAEFER ENGINEERING & CONSULTANTS 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
CERTIFICATION STATE OF FLORIDA AUG 07 2020 PROFESSIONAL ENGINEER WARREN W. SCHAEFER P.E. P.E. NO. 44135	
DRAWING NO. 1778	REV. C
SHEET NO. 11 OF 11	