

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 ENTRY & 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.

ALLOWABLE DESIGN PRESSURE (DOUBLE DOORS)			
MAXIMUM FRAME WIDTH (IN.)	MAXIMUM FRAME HEIGHT (IN.)	DESIGN PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
98.75	121.75	50.0	50.0
	110	55.3	55.3
	98	62.1	62.1
93	121.75	53.1	53.1
	110	58.8	58.8
	98	65.0	66.0
87	121.75	56.8	56.8
	110	62.8	62.8
	98	65.0	70.5
81	121.75	61.0	61.0
	110	65.0	67.5
	98	65.0	75.7
74.25	121.75	65.0	66.5
	110	65.0	73.6
	98	65.0	80.0
68	121.75	65.0	72.6
	110	65.0	80.0
62	121.75	65.0	79.6

ALLOWABLE DESIGN PRESSURE (SINGLE DOORS)			
MAXIMUM FRAME WIDTH (IN.)	MAXIMUM FRAME HEIGHT (IN.)	DESIGN PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
49.75	121.75	50.0	50.0
	110	55.3	55.3
	98	60.4	60.4
47	121.75	52.9	52.9
	110	58.6	58.6
	98	63.2	63.9
44	121.75	56.5	56.5
	110	62.6	62.6
	98	65.0	68.3
41	121.75	60.7	60.7
	110	65.0	67.2
	98	65.0	73.3
37.5	121.75	65.0	66.3
	110	65.0	73.4
	98	65.0	80.0
35	121.75	65.0	71.1
	110	65.0	78.7
31	121.75	65.0	80.0

ALLOWABLE DESIGN PRESSURE (TRANSOM MULLION)			
MAXIMUM FRAME WIDTH (IN.)	MAXIMUM OVERALL HEIGHT (IN.)	DESIGN PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
98.75	173.75	50.0	50.0
	162	53.6	53.6
	150	57.9	57.9
	138	63.0	63.0
	126	65.0	68.9
93	173.75	53.1	53.1
	162	56.9	56.9
	150	61.5	61.5
	138	65.0	66.8
	126	65.0	73.2
87	173.75	56.8	56.8
	162	60.9	60.9
	150	65.0	65.7
	138	65.0	71.5
	126	65.0	78.3
81	173.75	61.0	61.0
	162	65.0	65.4
	150	65.0	70.6
	138	65.0	76.7
	126	65.0	80.0
74.25	173.75	65.0	66.5
	162	65.0	71.3
	150	65.0	77.0
	138	65.0	80.0

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=18		DATE: 09/03/14	
DATE 01/09/15	BY W.W.S.	REVISION 1=18	DESCRIPTION UPDATE TO CURRENT STANDARDS
NO.	AT	NO.	AT

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.

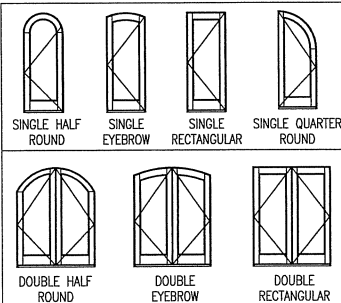
POSITIVE PRESSURE NOTE: WHEN THE ADA THRESHOLD IS USED, THE DOOR UNITS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS THE UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THE UNITS ARE INSTALLED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

ALLOWABLE DESIGN PRESSURE
(VERTICAL MULLION)
AS CONTROLLED BY DOOR
PRESSURE TABLES

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/HINGE/STRIKE/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. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 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	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
HINGE SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 12 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"
STRIKE SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 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	(1) 3/16" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"
MOUNTING CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 16 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 (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.).



SHAPES CONSIDERED AS
PART OF THIS APPROVAL

HINGE REQUIREMENTS

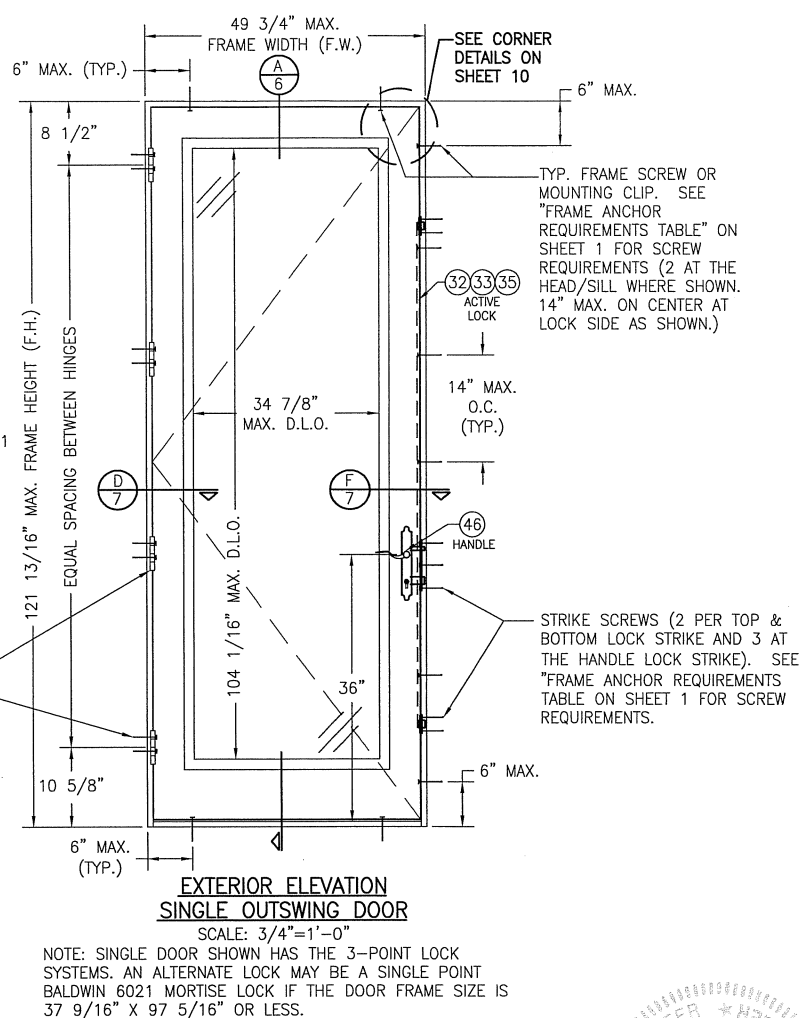
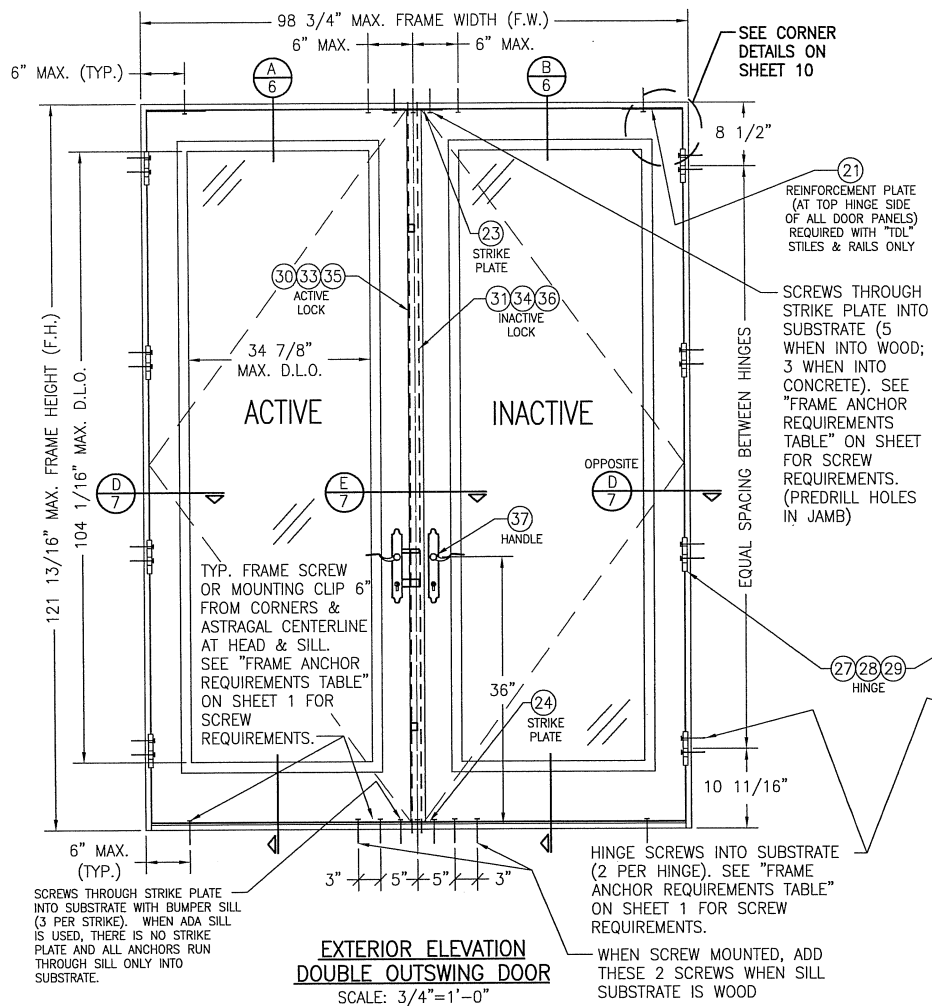
MAXIMUM DOOR FRAME HEIGHT	# HINGES REQUIRED	
	PANEL WIDTH 36" & LESS	PANEL WIDTH GREATER THAN 36"
82"	3	3
98"	(1) 4	(1) 4
122"	4	(1) 5

(1) ONE LESS HINGE IS REQUIRED
WITH DOUBLE HALF ROUND &
SINGLE QUARTER ROUND DOORS.

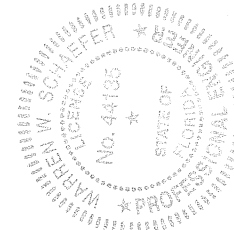
NOTE:
WITH MULLED UNITS, ALLOWABLE
PRESSURE FOR THE OVERALL UNIT
SHALL BE THE LESSER OF THE
ALLOWABLE PRESSURE FOR THE
INDIVIDUAL DOORS AND MULLION.

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.

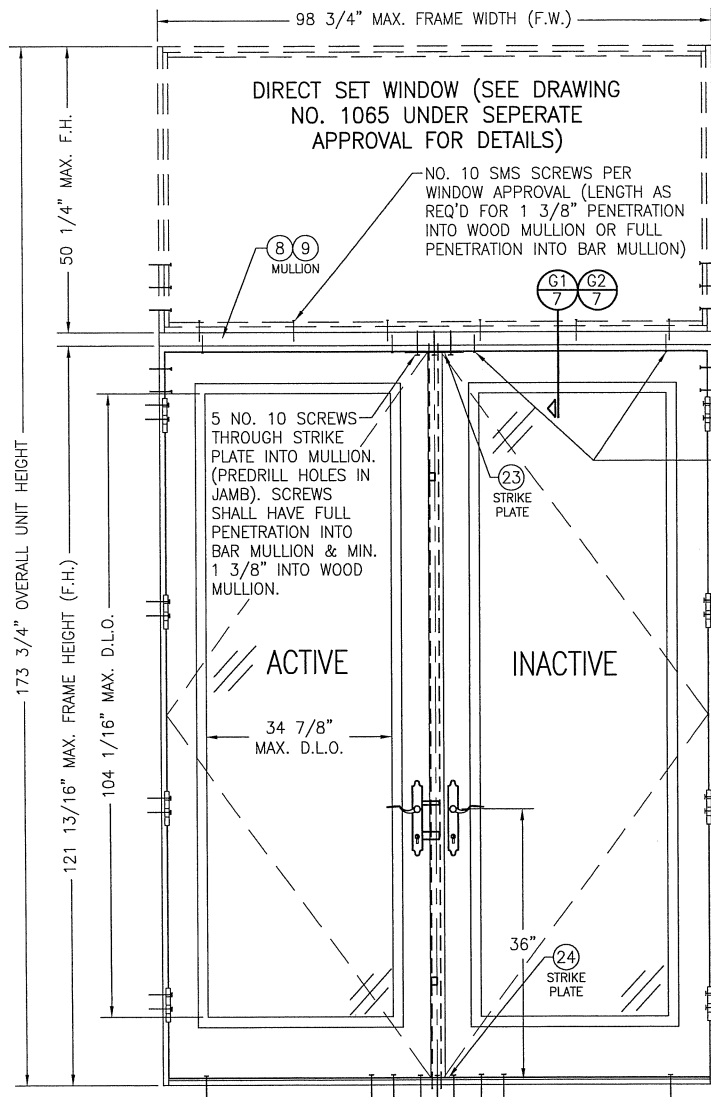
DRAWING TITLE 10 FOOT WOOD OUTSWING IMPACT DOORS		MANUFACTURER SIGNATURE DOOR INC. 401 JUNATA STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	DATE JAN 09 2015	7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-5926	REVISION 1=18
CERTIFICATION W. W. SCHAEFER, P.E. NO. 44135	SHEET NO. 1 OF 11	DRAWING NO. 1887	REV. A



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



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PLOT: 1=16	DATE: 09/03/14
DATE	BY
REVISION	DESCRIPTION
NO.	
DRAWING TITLE 10 FOOT WOOD OUTSWING IMPACT DOORS	
CONSULTANTS W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-5264	
MANUFACTURER SIGNATURE DOOR INC. 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770	
CERTIFICATION JAN 09 2015	WARREN W. SCHAEFFER, P.E. P.E. NO. 44135
DRAWING NO. 1887	REV. A
SHEET NO. 2	OF 11



**EXTERIOR ELEVATION
DOUBLE DOOR WITH TRANSOM**

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

SEE DOUBLE DOOR ELEVATION ON SHEET 2 FOR DETAIL NOT SHOWN

SILL AND STRIKE
PLATE ANCHORS
PER ELEVATION ON
SHEET 2

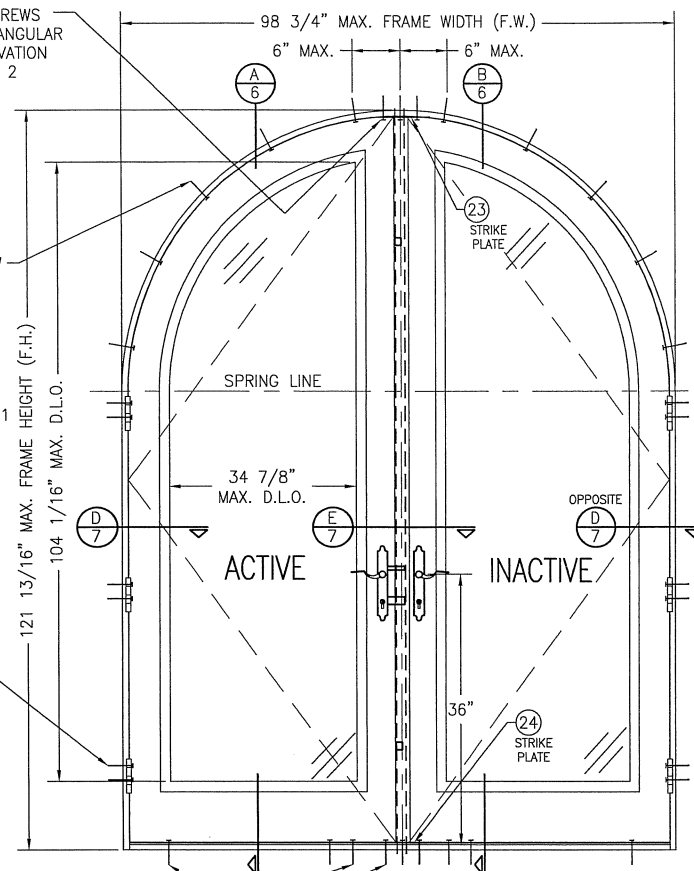
3 FRAME SCREWS AT TOP
SIDE OF MULLION & 2 AT
BOTTOM SIDE AS SHOWN
(TYP. EA. END). SEE "FRAME
ANCHOR REQUIREMENTS
TABLE" ON SHEET 1 FOR
SCREW REQUIREMENTS.

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)

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.

HINGE SCREWS
INTO SUBSTRATE
(2 PER HINGE).
SEE "FRAME
ANCHOR
REQUIREMENTS
TABLE" ON
SHEET 1 FOR
SCREW
REQUIREMENTS.

STRIKE SCREWS
PER RECTANGULAR
DOOR ELEVATION
ON SHEET 2



SILL AND STRIKE
PLATE ANCHORS
PER ELEVATION ON
SHEET 2

**EXTERIOR ELEVATION
DOUBLE HALF ROUND DOOR**

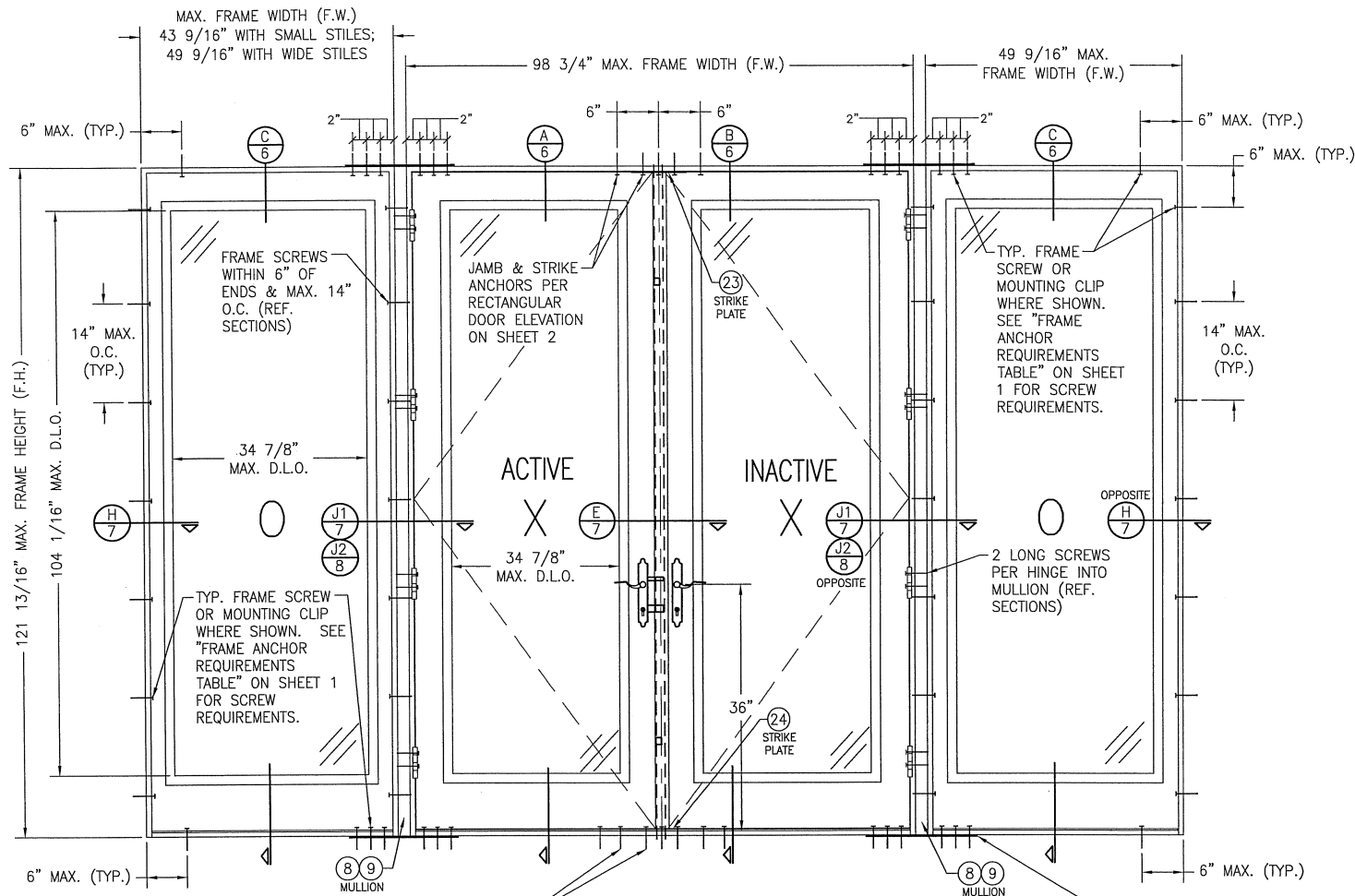
SCALE: 3/4"=1'-0"

SEE DOUBLE DOOR ELEVATION ON SHEET 2 FOR DETAIL NOT SHOWN

NOTE: DOORS MAY BE FULLY
GLAZED AS SHOWN, PARTIALLY
PANELED OR FULLY PANELED.
SEE SHEET 5 ELEVATION FOR
PANELED DOORS.

DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLT:	1=16	DATE:	02/03/14
DATE			
BY			
REVISION DESCRIPTION			
NO			

DRAWING TITLE	10 FOOT WOOD OUTSWING IMPACT 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	SIGNATURE DOOR INC. 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770
CERTIFICATION	JAN 09 2015 1887 SHEET NO. 3 OF 11
REVISION NO.	1887
REV.	A



SILL AND STRIKE
PLATE ANCHORS
PER ELEVATION ON
SHEET 2

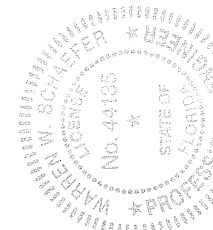
**EXTERIOR ELEVATION
MULTIPLE OPERABLE/FIXED UNIT**

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

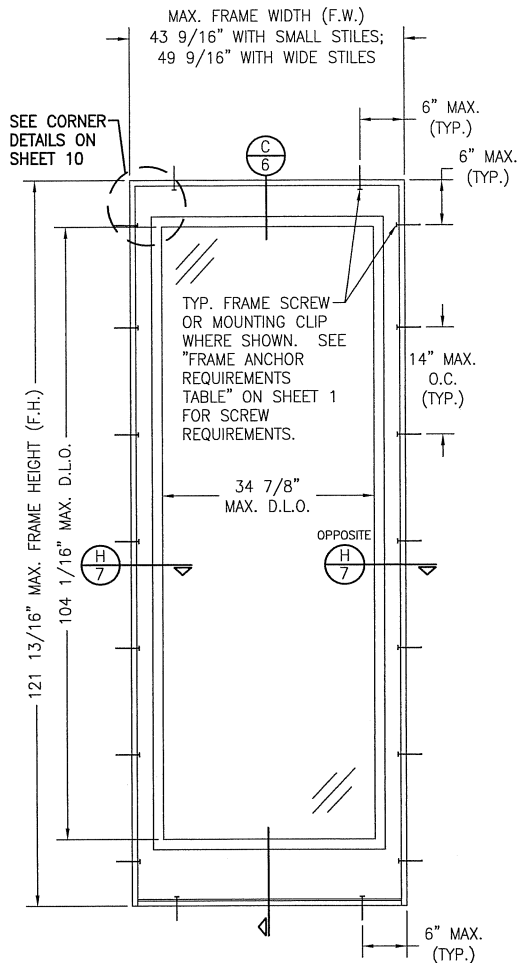
(FOR ANY DETAIL NOT SHOWN, SEE ELEVATION ON SHEET 2)
NOTE: OXOXO DOOR SHOWN. ALL OTHER 4-PANEL CONFIGURATIONS
OF SINGLE/DOUBLE DOORS & SIDELIGHTS ALSO APPLY.

NOTE: DOORS MAY BE FULLY
GLAZED AS SHOWN, PARTIALLY
PANELED OR FULLY PANELED.
SEE SHEET 5 ELEVATION FOR
PANELED DOORS.

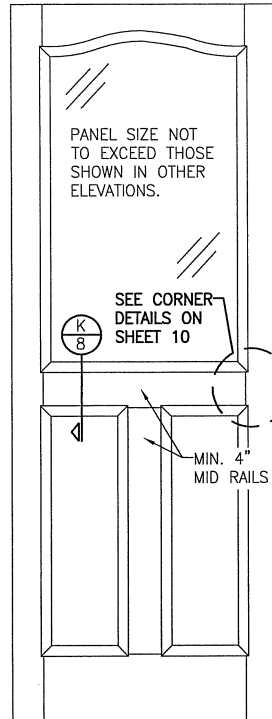
26
REINFORCEMENT PLATE FASTENED TO
WOOD MULLION WITH 2 NO. 10 X 2"
SMS EACH END OR TO STEEL BAR
MULLION WITH 2 NO. 10 X 1" SMS
SCREWS THREADED INTO BAR END.
(REQUIRED ONLY WITH OPERABLE TO
OPERABLE MULLION CONDITION. NOT
REQUIRED WITH SIDELIGHT
CONDITION.)



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 08/03/14	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: 10 FOOT WOOD OUTSWINGING IMPACT DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 8809)		SIGNATURE DOOR INC.	
7480 150TH COURT NORTH, 33418 PALM BEACH GARDENS, FL		401 JUNIATA STREET ALTOONA, PA 16602	
PHONE: 561-744-3424		814-949-2770	
CERTIFICATION	JAN 09 2015	WARRREN W. SCHAEFER, P.E.	NO. 44135
DRAWING NO. 1887	REV. A	SHEET NO. 4 OF 11	

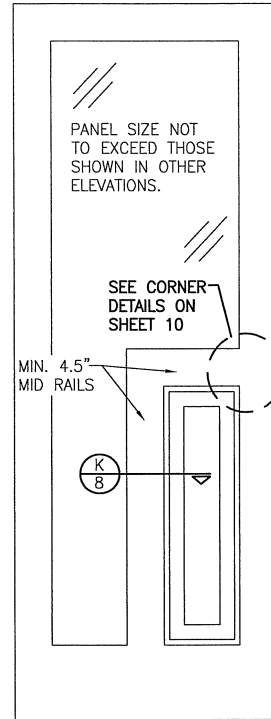


**EXTERIOR ELEVATION
SINGLE FIXED PANEL**
SCALE: 3/4"=1'-0"



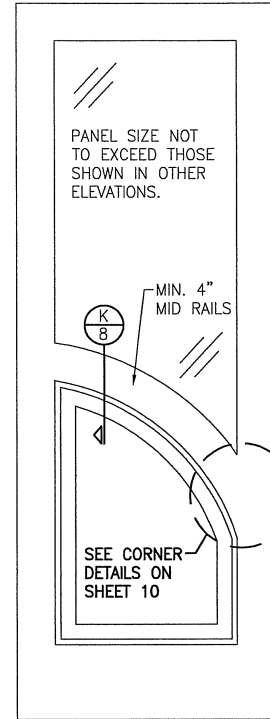
**EXTERIOR ELEVATION
SOLID RAISED PANEL WITH
STANDARD MID RAILS**

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



**EXTERIOR ELEVATION
SOLID RAISED PANEL WITH
CORNERED MID RAILS**

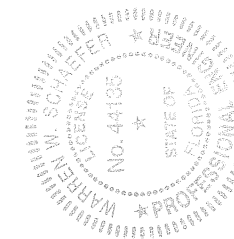
SCALE: 3/4"=1'-0"



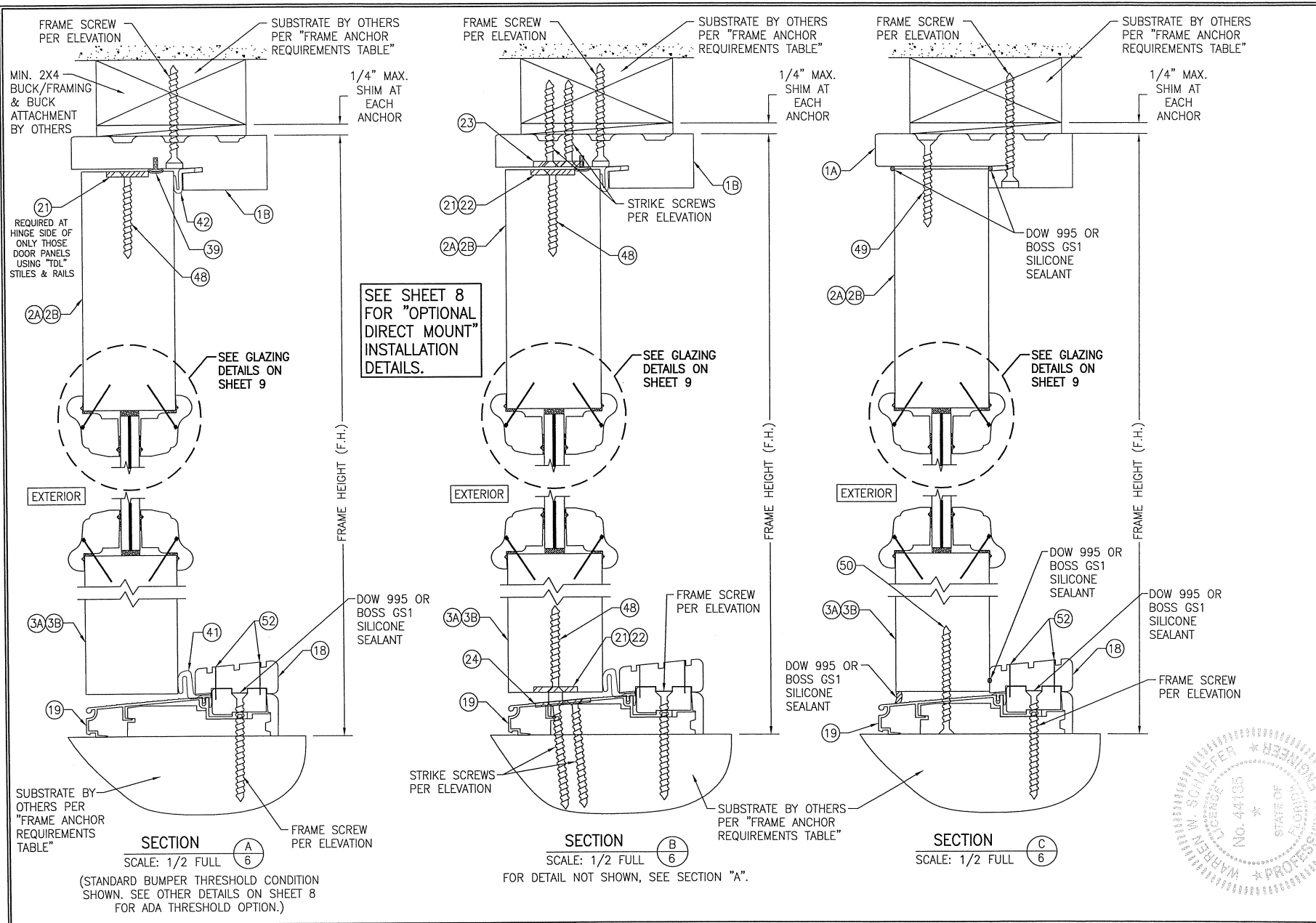
**EXTERIOR ELEVATION
SOLID RAISED PANEL WITH
ARCHED/SHAPED MID RAILS**

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

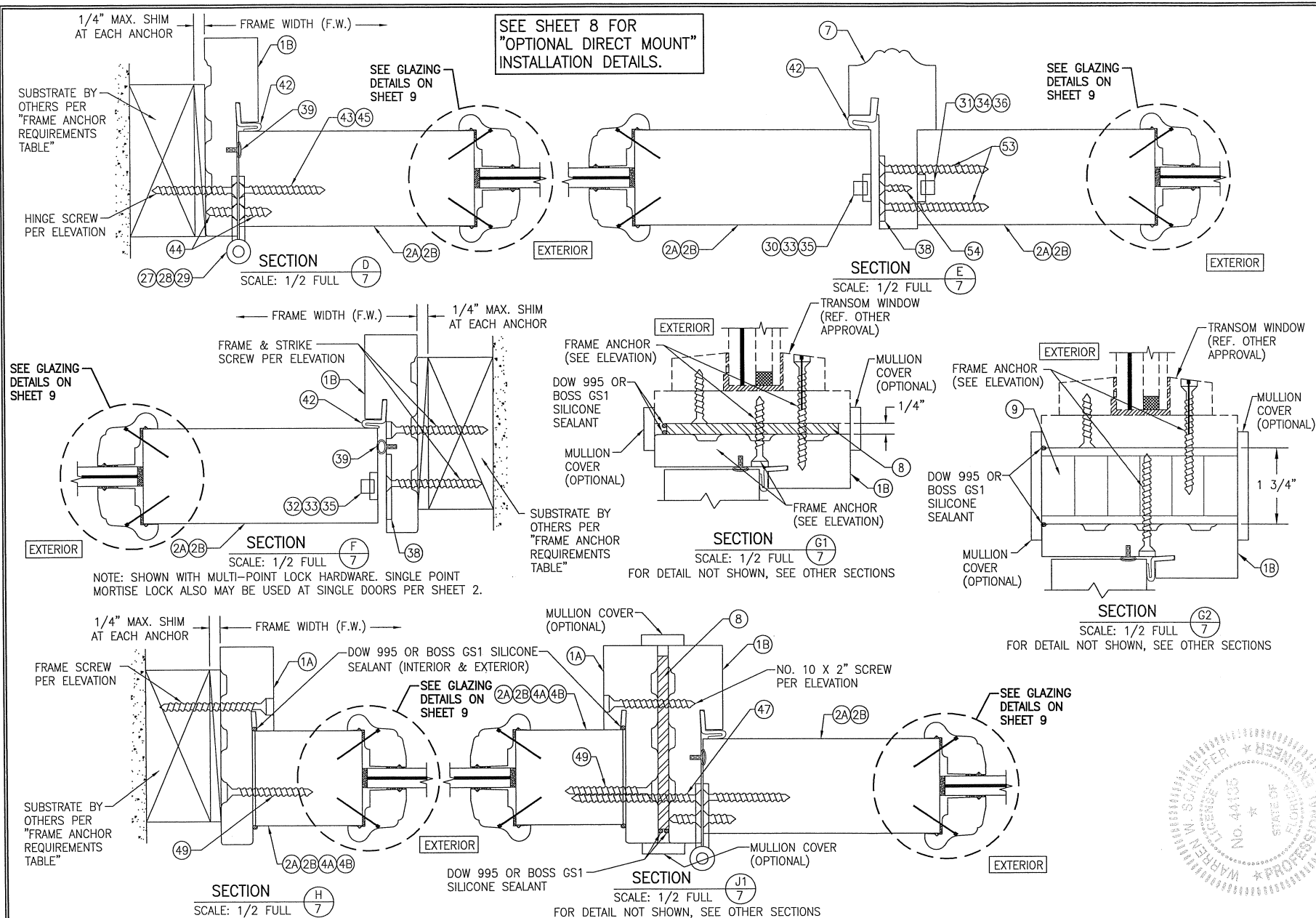
- 1) TOP & MID RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
- 2) MULTIPLE MID RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
- 3) PARTIAL PANEL CONDITION IS SHOWN ABOVE. FULL PANEL DOORS AND OTHER 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.



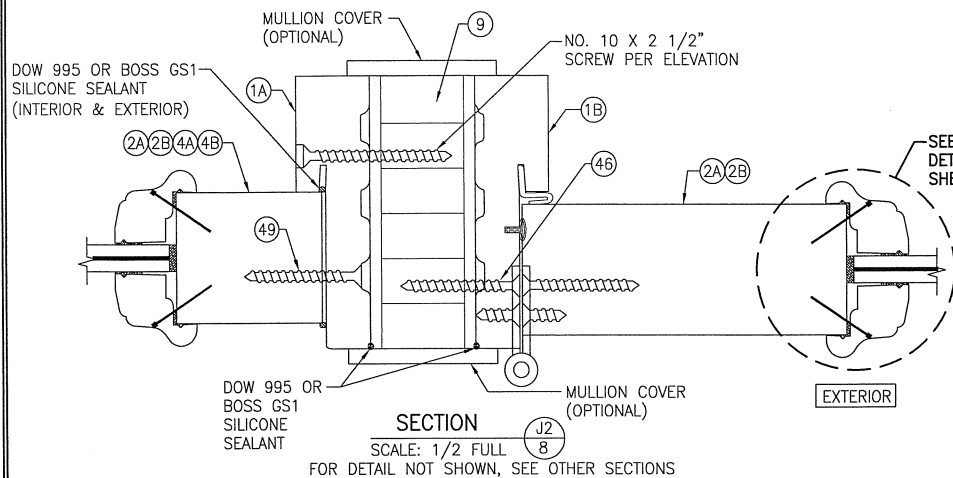
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 09/03/14	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: 10 FOOT WOOD OUTSWING IMPACT DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		SIGNATURE DOOR INC.	
7460 150TH COURT NORTH		401 JUNIATA STREET	
PALM BEACH GARDENS, FL 33418		ALTOONA, PA 16602	
PHONE: 561-744-3424		814-949-2770	
CERTIFICATION	JAN 09 2015		
WARREN W. SCHAEFER, P.E.	NO. 44135		
DRAWING NO.	REV.	SHEET NO.	
1887	A	5 OF 11	



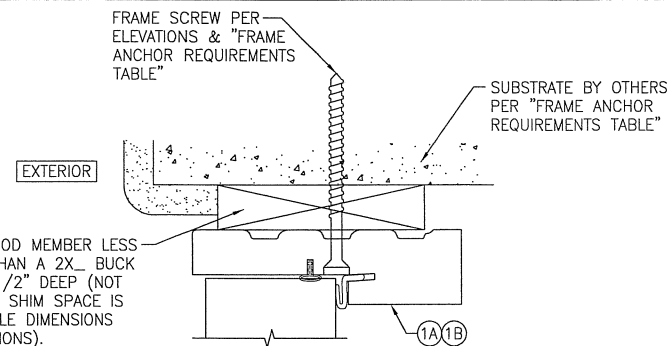
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 09/03/14	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: 10 FOOT WOOD OUTSWING IMPACT DOORS MANUFACTURER: SIGNATURE DOOR INC. 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 130TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 361-744-3424 CERTIFICATION: JAN 08 2015 WARREN W. SCHAEFER, P.E. No. 44135			
DRAWING NO. 1887		REV. A	
SHEET NO. 6		OF 11	



DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	09/03/14
DATE		BY	
REVISION		DESCRIPTION	
NO.			
DRAWING TITLE			
10 FOOT WOOD OUTSWING IMPACT DOORS			
MANUFACTURER			
SIGNATURE DOOR INC.			
401 JUNIATA STREET			
ALTOONA, PA 16602			
814-949-2770			
CONSULTANTS			
W. W. SCHAEFER ENGINEERING			
& CONSULTING, P.A. (CA 6809)			
7480 150TH COURT NORTH			
PALM BEACH GARDEN, FL 33418			
PHONE: 561-744-3424			
CERTIFICATION			
JAN 09 2015			
WARREN W. SCHAEFER, P.E.			
P.E. NO. 44135			
DRAWING NO.	1887	REV.	A
SHEET NO.	7	OF	11

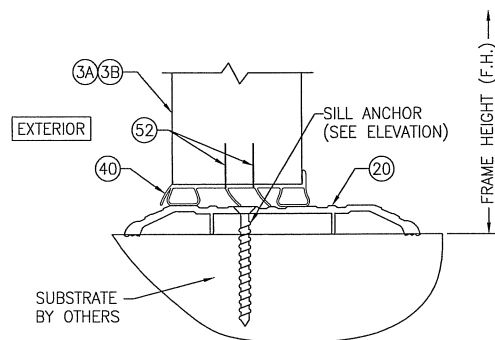
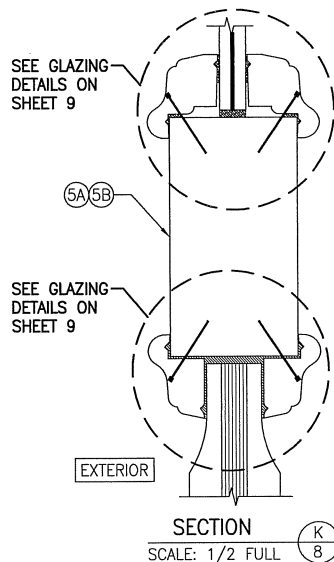


CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 3 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).



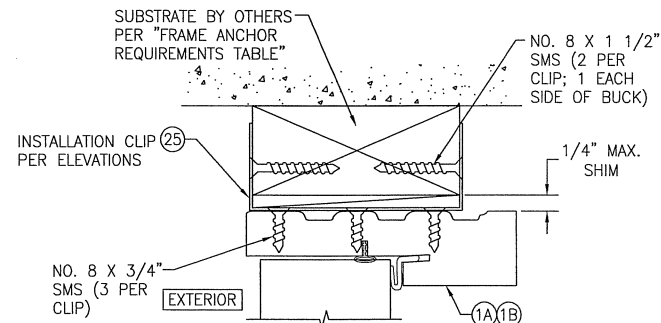
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

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



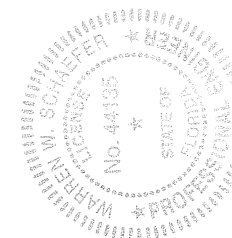
OPTIONAL ADA THRESHOLD DETAIL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

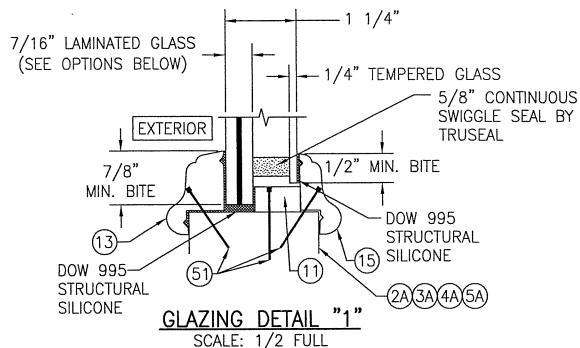


OPTIONAL CLIP MOUNT DETAIL

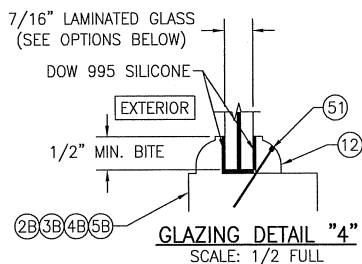
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS (HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



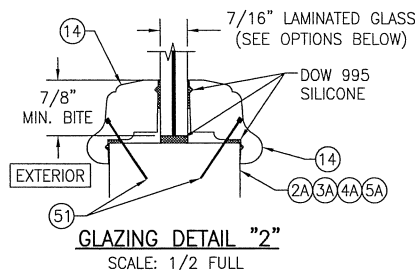
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PLOT: 1-2		DATE: 09/03/14	
DATE			
BY			
REVISION	DESCRIPTION		
NO.			
DRAWING TITLE: 10 FOOT WOOD OUTSWING IMPACT DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		SIGNATURE DOOR INC.	
7460 150TH COURT NORTH		401 JUNIATA STREET	
PALM BEACH GARDENS, FL 33418		ALTOONA, PA 16602	
PHONE: 561-744-3424		814-949-2770	
CERTIFICATION		DATE: JAN 09 2015	
DRAWING NO. 1887		REV. A	
SHEET NO. 8		OF 11	



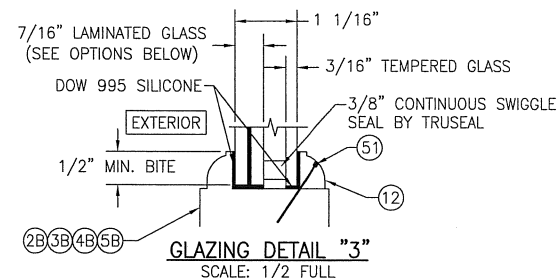
GLASS OPTION: 1) 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED OUTER GLASS (3/16" AN/0.10" POLYURETHANE POLYMER/3/16" AN); 3/16" TEMPERED SINGLE PANE INNER GLASS
2) 7/16" THICK LAMINATED OUTER GLASS (3/16" AN/0.075" EASTMAN CHEM. CO. SAFLEX CP/3/16" AN); 3/16" TEMPERED SINGLE PANE INNER GLASS



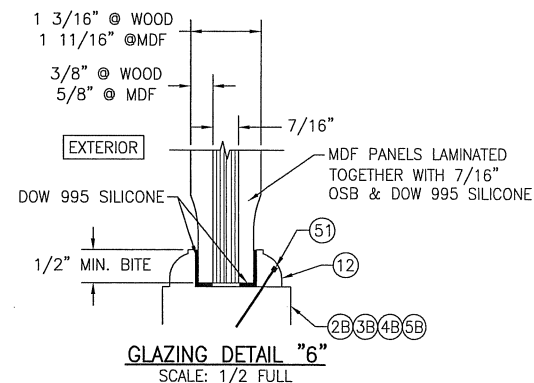
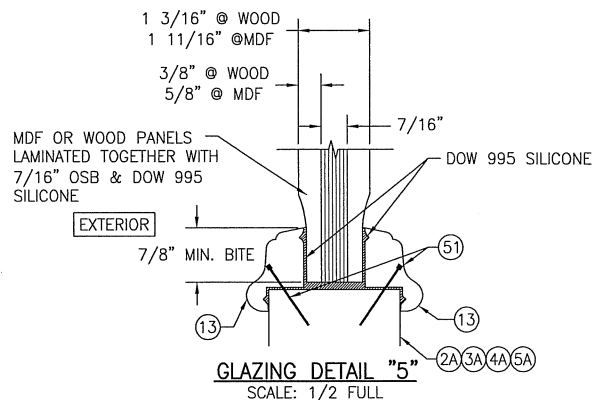
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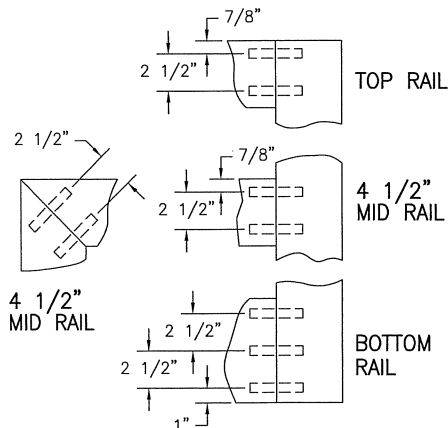
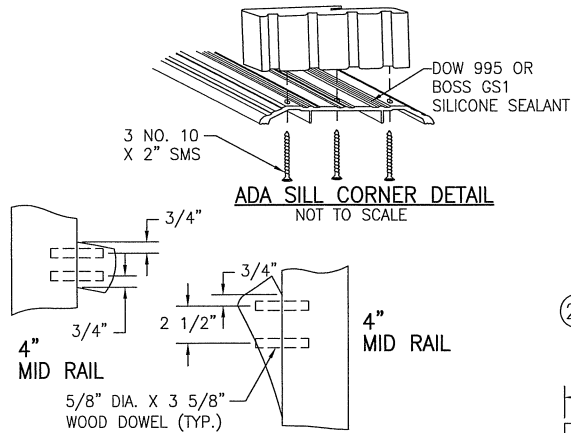
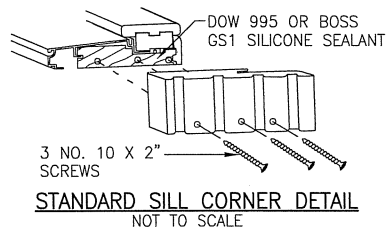
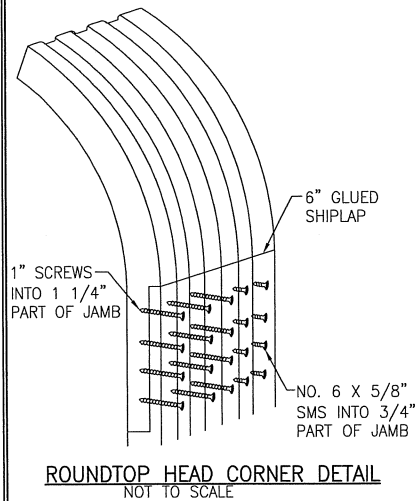
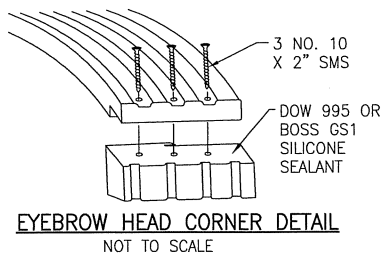
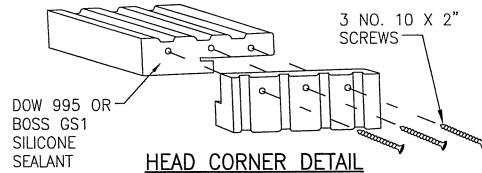
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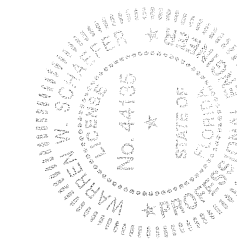
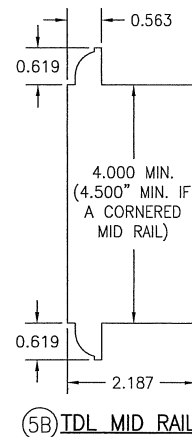
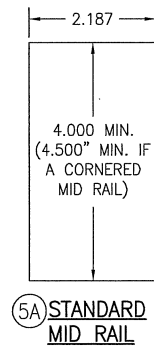
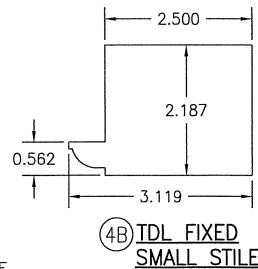
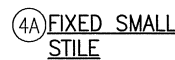
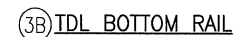
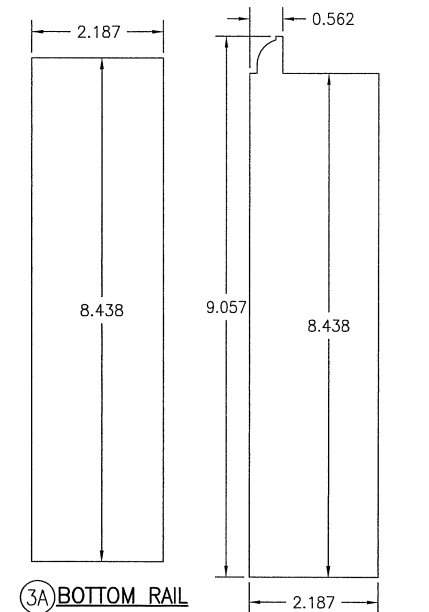
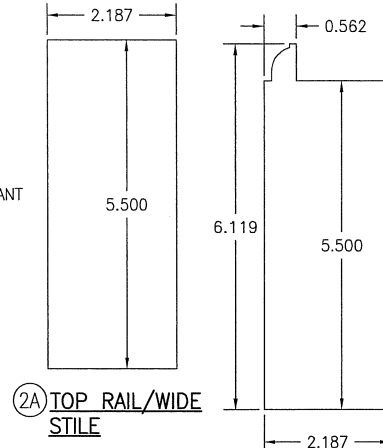
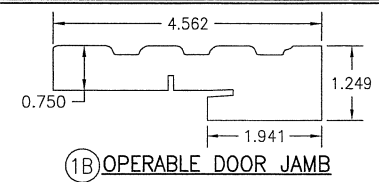
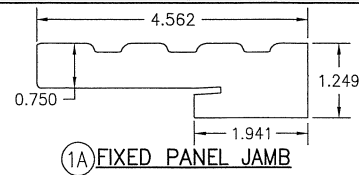
GLASS OPTION: 1) 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED OUTER GLASS (3/16" AN/0.10" POLYURETHANE POLYMER/3/16" AN); 3/16" TEMPERED SINGLE PANE INNER GLASS
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DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 09/03/14
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE 10 FOOT WOOD OUTSWING IMPACT DOORS	
MANUFACTURER SIGNATURE DOOR INC. 401 JUNIATA 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 JAN 09 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1887	REV. A
SHEET NO. 9	OF 11



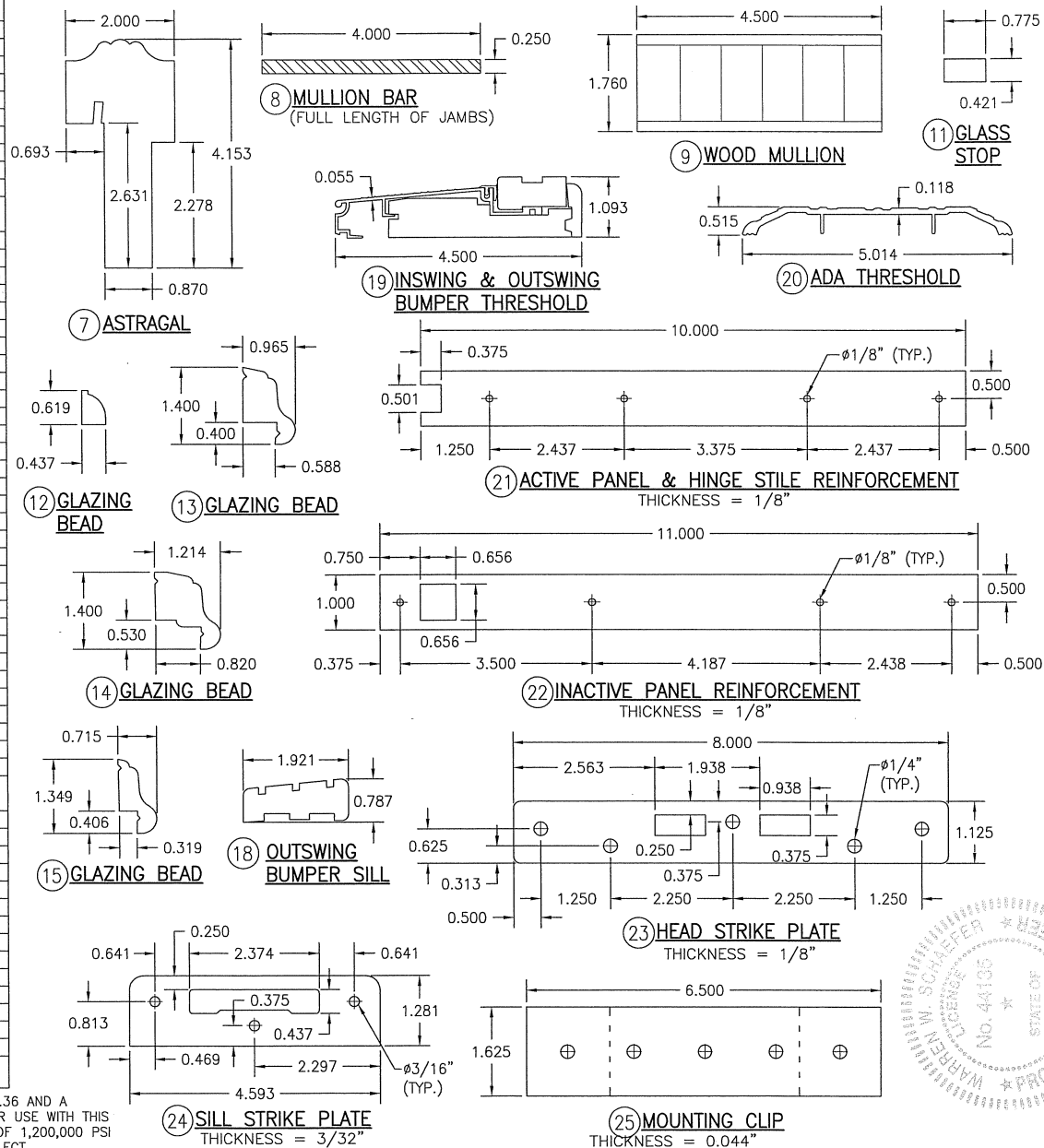
ALL DOWEL AND WOOD TO WOOD CONTACT SURFACES ARE FULLY GLUED WITH WOOD ADHESIVE BY KORLOCK GT 42-300A OR TITEBOND II BY WEATHERPROOF.



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 08/03/14
DATE	BY
REVISION	DESCRIPTION
NO.	
DRAWING TITLE 10 FOOT WOOD OUTSWING IMPACT DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	MANUFACTURER SIGNATURE DOOR INC. 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770
CERTIFICATION JAN 08 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44105	
DRAWING NO. 1887	REV. A
SHEET NO. 10	OF 11

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1A	FIXED PANEL JAMB	* WOOD (LAMINATED WITH CURVED JAMB)
1B	OPERABLE DOOR JAMB	* WOOD (LAMINATED WITH CURVED JAMB)
2A	TOP RAIL/WIDE STILE	LAMINATED RED OAK CORE (PINE VENEER)
2B	TDL TOP RAIL/WIDE STILE	LAMINATED RED OAK CORE (PINE VENEER)
3A	BOTTOM RAIL	LAMINATED RED OAK CORE (PINE VENEER)
3B	TDL BOTTOM RAIL	LAMINATED RED OAK CORE (PINE VENEER)
4A	FIXED SMALL STILE	LAMINATED RED OAK CORE (PINE VENEER)
4B	TDL FIXED SMALL STILE	LAMINATED RED OAK CORE (PINE VENEER)
5A	STANDARD MID RAIL	LAMINATED RED OAK CORE (PINE VENEER)
5B	TDL MID RAIL	LAMINATED RED OAK CORE (PINE VENEER) OR 3-PIECE EASTERN PINE CORE (PINE VENEER)
7	ASTRAGAL	* WOOD
8	MULLION BAR	A36 STEEL
9	WOOD MULLION	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
11	GLASS STOP	* WOOD
12	GLAZING BEAD	* WOOD
13	GLAZING BEAD	* WOOD
14	GLAZING BEAD	* WOOD
15	GLAZING BEAD	* WOOD
18	OUTSWING BUMPER SILL	HARDWOOD
19	INSWING & OUTSWING BUMPER THRESHOLD	IMPERIAL 50CW
20	ADA THRESHOLD	HAGAR 401-S
21	ACTIVE PANEL & HINGE STILE REINF.	STAINLESS STEEL
22	INACTIVE PANEL REINFORCEMENT	STAINLESS STEEL
23	HEAD STRIKE PLATE	STAINLESS STEEL
24	SILL STRIKE PLATE	STAINLESS STEEL
25	MOUNTING CLIP	MIN. 33 KSI GALVANIZED STEEL
26	JAMB REINF. PLATE (.044" X 4.00" X 16.00")	MIN. 33 KSI GALVANIZED STEEL
HARDWARE		
27	4.5" X 4.5" BALL BEARING HINGE	BALDWIN 1046.003 (BRASS)
28	4.5" X 4.5" BALL BEARING HINGE	PENROD MH4.5BBTPSQ-SQBB (STEEL)
29	4.5" X 4.5" BALL BEARING HINGE	PENROD MH4.5BBTPSQ-SQSB (BRASS)
30	5-POINT ACTIVE PANEL LOCK SYS.	HOPPE HLS9000 ROUND BOLT/SHOOTBOLT
31	2-POINT INACTIVE PANEL LOCK SYS.	HOPPE HLS9000 SHOOTBOLT
32	3-POINT ACTIVE PANEL LOCK SYS.	HOPPE HLS9000 ROUND BOLT
33	5-POINT ACTIVE PANEL LOCK SYS. (3-POINT AT SINGLE DOORS)	[GU RHINO
34	2-POINT INACTIVE PANEL LOCK SYS.	[GU EUROPA
35	5-POINT ACTIVE PANEL LOCK SYS. (3-POINT AT SINGLE DOORS)	[KFV 7370-S. BOLT
36	2-POINT INACTIVE PANEL LOCK SYS.	KFV 7000
37	HANDLE	AS REQ'D TO FIT LOCK SYSTEM
38	LOCK STRIKE PLATE	AS SUPPLIED WITH LOCK SYSTEM
SEALS AND SEALANTS		
39	BULB WEATHERSTRIPPING	ULTRAFAB E10210BN3020; NOT REQUIRED WHEN THE ADA THRESHOLD IS USED
41	BUMPER WEATHER SEAL	HOLM INDUSTRIES NO. JF87
42	WEATHER SEAL	HOLM INDUSTRIES JF65814
MISC. FASTENERS		
43	NO. 10 X 2" SMS	2 PER HINGE LEAF INTO PANEL W/BRASS HINGES
44	NO. 10 X 3/4" SMS	2 PER HINGE LEAF INTO JAMB & PANEL
45	NO. 12 X 2" SMS	2 PER HINGE LEAF INTO PANEL W/STEEL HINGES
46	NO. 12 X 2" SMS	2 PER HINGE LEAF INTO WOOD MULLION
47	NO. 12 X 3" SMS	2 PER HINGE LEAF INTO STEEL MULLION/SIDELIGHT
48	NO. 10 X 2" SMS	4 PER DOOR REINFORCEMENT PLATE
49	NO. 10 X 2" SMS	6" FROM CORNERS & 16" MAX O.C.
50	NO. 10 X 2 1/2" SMS	6" FROM CORNERS & MID SPAN ON SILL
51	1 3/16" BRAD NAIL	1" FROM CORNERS & 8" O.C.
52	3/4" STAPLE	3/4" FROM CORNERS & 6" O.C. STAGGERED
53	NO. 10 X 2 1/2" SMS	3" FROM ENDS & 22" O.C. THRU ASTRAGAL
54	NO. 6 X 3/4" SCREW	2 PER TOP & BOTTOM STRIKE PLATE AND 3 AT HANDLE LOCATION 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.



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PLOT: 1-2		DATE: 09/03/14	
DATE	BY	REVISION	DESCRIPTION
NO.	NO.	NO.	NO.
10 FOOT WOOD OUTSWING IMPACT DOORS			
MANUFACTURER			
SIGNATURE DOOR INC. 401 JUNIATA 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			
CERTIFICATION			
JAN 09 2015			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1887		REV. A	
SHEET NO. 11		OF 11	