

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED 140 PSF. THESE SHOWN IN THE ALLOWABLE DESIGN PRESSURE TABLES.
2. ALL HARDWARE & FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER 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 BOLT 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 WINDSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
6. ALL GLASS & GLAZING PRODUCT FINISHES TO PRESSURE TREATED WOODS 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 RETRIBUTING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONAL FACTOR OF Kd = 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 MATERIALS, SHALL BE OF THE QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
9. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT, THE PRODUCT SHALL BE CONSIDERED VOID. THE TYPE OF 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, THE MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING THE LATEST TESTING INFORMATION TO THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR RECORDING THAT TESTING INFORMATION HEREIN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/ANCE/STRIKE/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G-60-25)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSJ 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 CHU	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	NO. 1/4" CONCRETE SCREW	1 1/2"	2"
HINGE SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G-60-25)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSJ 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 CHU	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	NO. 1/4" CONCRETE SCREW	1 1/2"	2"
STRIKE SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G-60-25)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSJ 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 CHU	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	NO. 1/4" CONCRETE SCREW	1 1/2"	2"
MOUNTING CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G-60-25)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 16 GA. 33 KSJ 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"
MIN. C-90 CHU	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	NO. 3/16" CONCRETE SCREW	1 1/2"	2"

ALLOWABLE DESIGN PRESSURE (DOUBLE DOORS)

MAXIMUM FRAME WIDTH (IN.)	MAXIMUM FRAME HEIGHT (IN.)	DESIGN PRESSURE POSITIVE (PSF)	DESIGN PRESSURE NEGATIVE (PSF)
98.75	121.75	50.0	50.0
110	110	55.3	55.3
98	98	62.1	62.1
121.75	121.75	53.1	53.1
110	110	58.8	58.8
98	98	65.0	65.0
121.75	121.75	56.8	56.8
110	110	62.8	62.8
98	98	65.0	65.0
121.75	121.75	61.0	61.0
110	110	65.0	65.0
98	98	75.7	75.7
121.75	121.75	65.0	65.0
110	110	65.0	65.0
98	98	73.6	73.6
121.75	121.75	65.0	65.0
110	110	72.6	72.6
98	98	80.0	80.0
121.75	121.75	65.0	79.6

ALLOWABLE DESIGN PRESSURE (SINGLE DOORS)

MAXIMUM FRAME WIDTH (IN.)	MAXIMUM FRAME HEIGHT (IN.)	DESIGN PRESSURE POSITIVE (PSF)	DESIGN PRESSURE NEGATIVE (PSF)
49.75	121.75	50.0	50.0
110	110	55.3	55.3
98	98	60.4	60.4
121.75	121.75	52.9	52.9
110	110	58.6	58.6
98	98	63.2	63.2
121.75	121.75	56.5	56.5
110	110	62.6	62.6
98	98	68.3	68.3
121.75	121.75	60.7	60.7
110	110	65.0	65.0
98	98	73.3	73.3
121.75	121.75	65.0	65.0
110	110	65.0	65.0
98	98	73.4	73.4
121.75	121.75	65.0	80.0
110	110	71.1	71.1
98	98	78.7	78.7
121.75	121.75	65.0	80.0

ALLOWABLE DESIGN PRESSURE (TRANSOM MULLION)

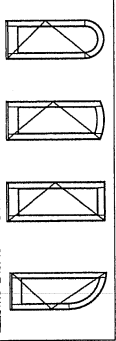
MAXIMUM FRAME WIDTH (IN.)	MAXIMUM OVERALL HEIGHT (IN.)	DESIGN PRESSURE POSITIVE (PSF)	DESIGN PRESSURE NEGATIVE (PSF)
98.75	173.75	50.0	50.0
110	162	53.6	53.6
126	150	57.9	57.9
138	138	63.0	63.0
144	126	65.0	68.9
114	114	65.0	76.2
102	102	65.0	80.0
173.75	173.75	53.1	53.1
162	162	56.9	56.9
150	150	61.5	61.5
138	138	65.0	66.8
126	126	65.0	73.2
114	114	65.0	80.0
173.75	173.75	56.8	56.8
162	162	60.9	60.9
150	150	65.0	65.7
138	138	65.0	71.5
126	126	65.0	78.3
114	114	65.0	80.0
173.75	173.75	61.0	61.0
162	162	65.0	65.4
150	150	65.0	70.6
138	138	65.0	76.7
126	126	65.0	80.0
114	114	65.0	86.5
173.75	173.75	65.0	71.3
162	162	65.0	77.0
150	150	65.0	80.0
138	138	65.0	80.0

ALLOWABLE DESIGN PRESSURE (VERTICAL MULLION)

AS CONTROLLED BY DOOR PRESSURE TABLES

81	182	65.0	65.4
150	150	65.0	70.6
138	138	65.0	76.7
126	126	65.0	80.0
114	114	65.0	86.5
173.75	173.75	65.0	71.3
162	162	65.0	77.0
150	150	65.0	80.0
138	138	65.0	80.0

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

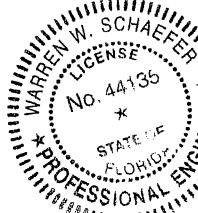


HINGE REQUIREMENTS

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

SHAPES CONSIDERED AS PART OF THIS APPROVAL

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



10 FOOT WOOD INSWING 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

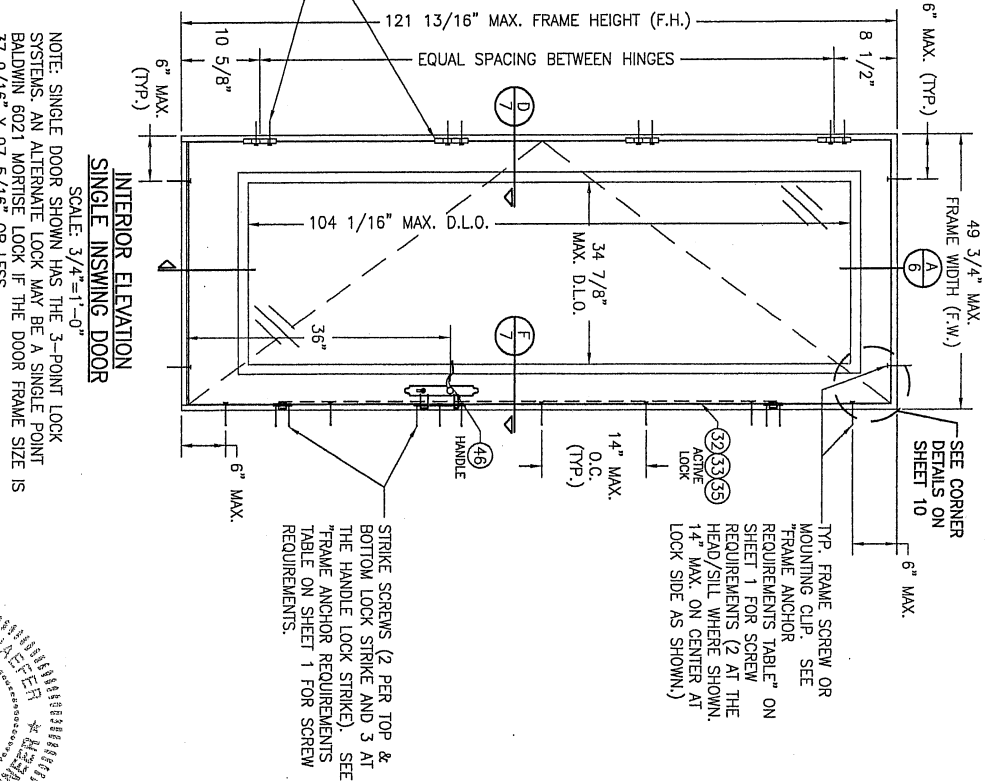
MANUFACTURER
SIGNATURE DOOR INC.
401 JUNIATA STREET
ALTOONA, PA 16602
814-949-2770

DRAWING NO. 1888
SHEET NO. 1 OF 11

CERTIFICATION:
JAN 09 2015
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

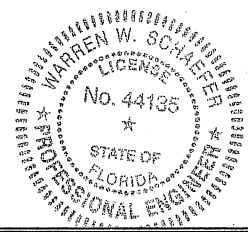
NO.	REVISION	DESCRIPTION	BY	DATE
1-15	AT	UPDATE TO CURRENT STANDARDS	W.W.S.	01/09/15

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SHOWN AND NOT TO ANY OTHER PRODUCT. ANY USE OF THIS PRODUCT FOR ANY OTHER PURPOSE OR IN ANY OTHER MANNER WITHOUT THE WRITTEN CONSENT OF THE MANUFACTURER IS PROHIBITED.



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

NOTE: SINGLE DOOR SHOWN HAS THE 3-POINT LOCK SYSTEMS. AN ALTERNATE LOCK MAY BE A SINGLE POINT BALDWIN 6021 MORRIS LOCK IF THE DOOR FRAME SIZE IS 37 9/16" X 97 5/16" OR LESS.



DRAWING NO. 1888	REV. A	SHEET NO. 2 OF 11		<u>CERTIFICATION</u> JAN 09 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44139

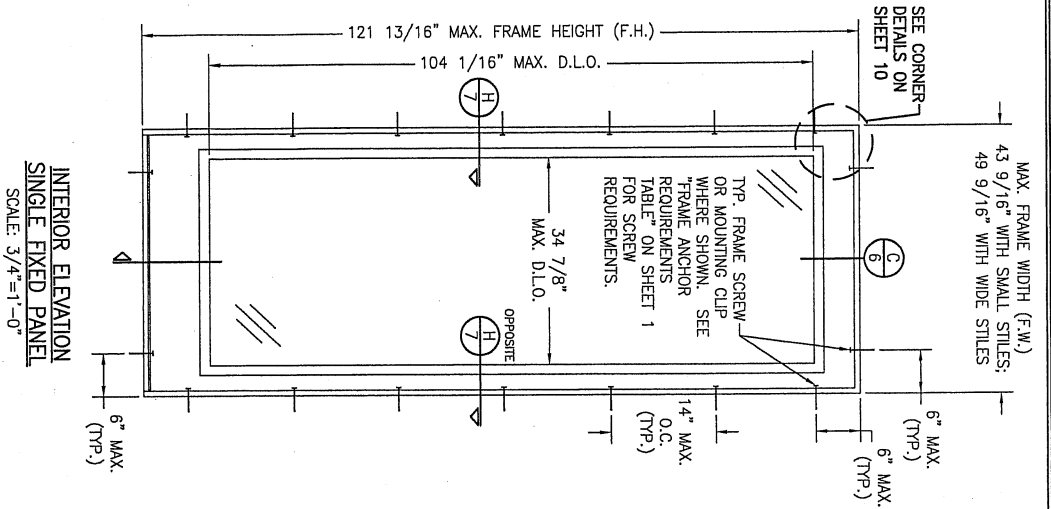
DRAWING TITLE 10 FOOT WOOD INSWING IMPACT DOORS

CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
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PHONE: 561-744-3424

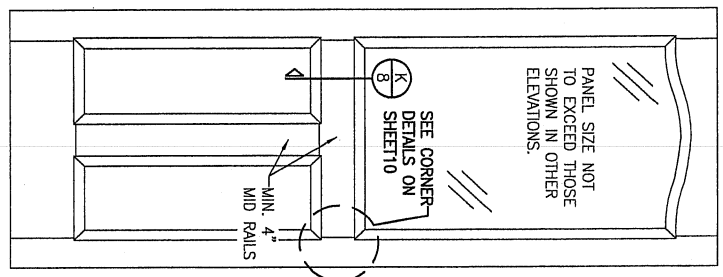
MANUFACTURER

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

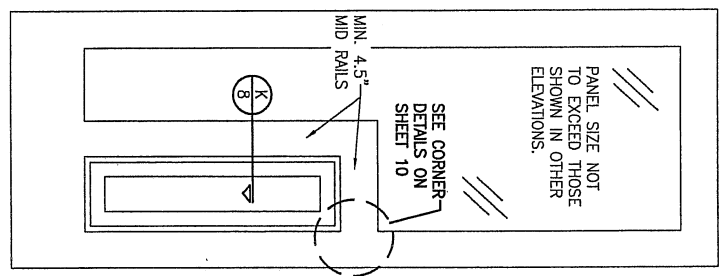
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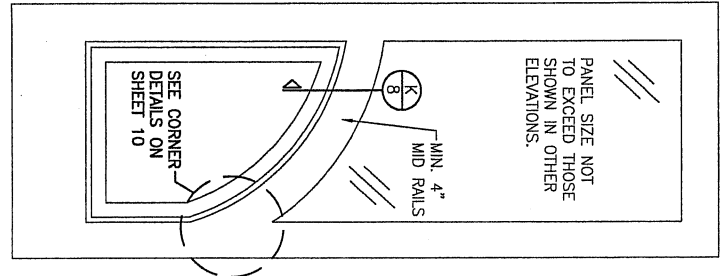
INTERIOR ELEVATION
SINGLE FIXED PANEL
SCALE: 3/4"=1'-0"



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

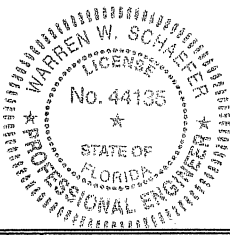


INTERIOR ELEVATION SOLID
RAISED PANEL WITH
CORNERED MID RAILS
SCALE: 3/4"=1'-0"

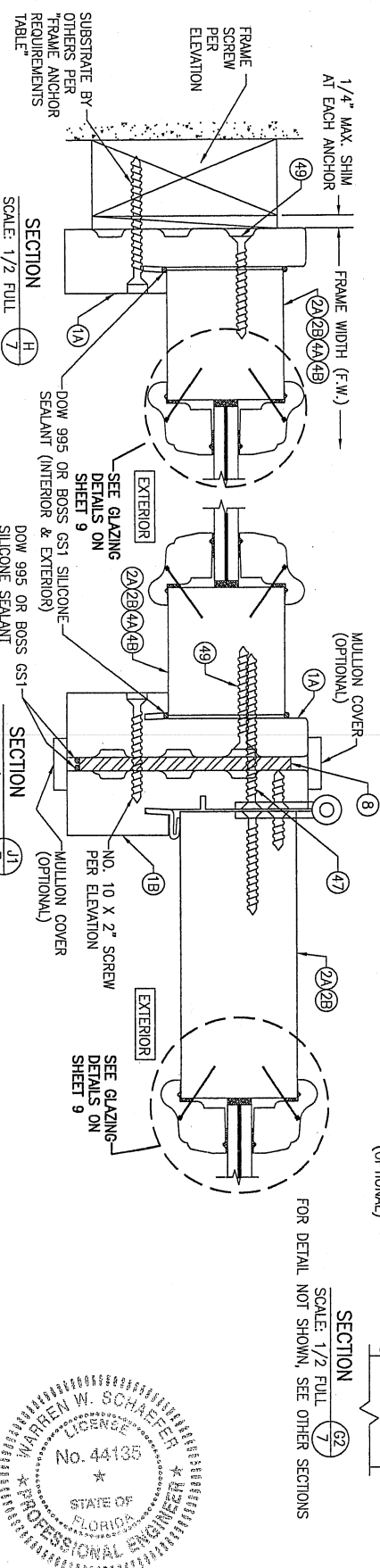
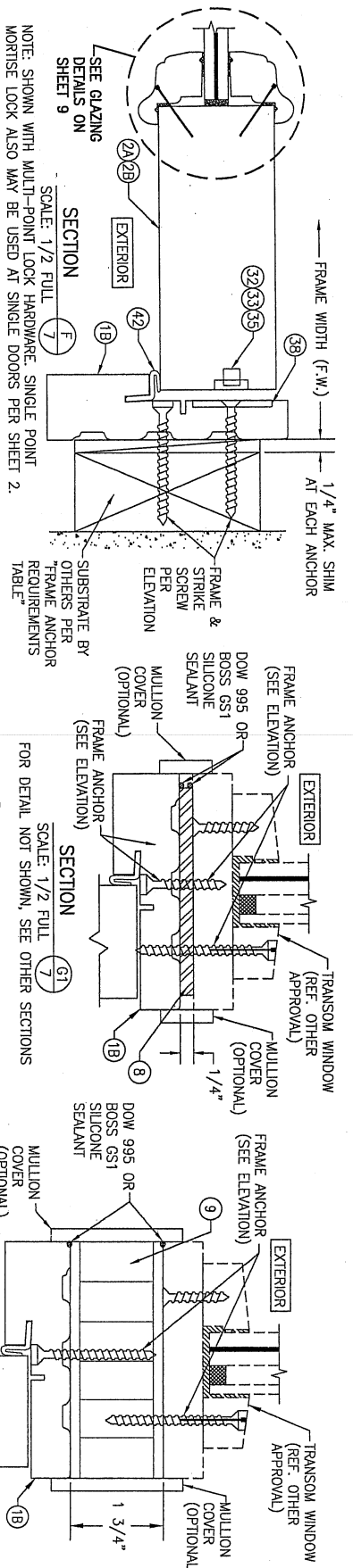
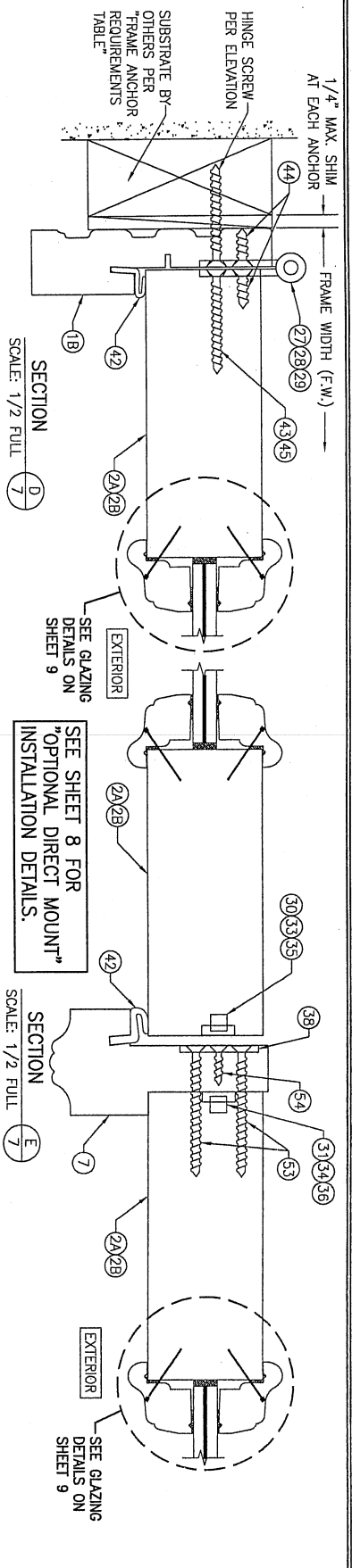


INTERIOR ELEVATION
SOLID RAISED PANEL WITH
ARCHED/SHAPED MID RAILS
SCALE: 3/4"=1'-0"

- 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.



DRAWING TITLE		REVISION DESCRIPTION		BY	DATE
10 FOOT WOOD INSWING 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 JUNIATA STREET ALTOONA, PA 16602 814-949-2770			
CERTIFICATION		NO.			
JAN 09 2015					
WARREN W. SCHAEFER, P.E. P.E. NO. 44135					
DRAWING NO. 1888					
SHEET NO. 5 OF 11					



NOTE: SHOWN WITH MULTI-POINT LOCK HARDWARE. SINGLE POINT MORTISE LOCK ALSO MAY BE USED AT SINGLE DOORS PER SHEET 2.

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

WARREN W. SCHAEFER
LICENSE
No. 44135
STATE OF FLORIDA
PROFESSIONAL ENGINEER

CERTIFICATION
JAN 09 2015
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

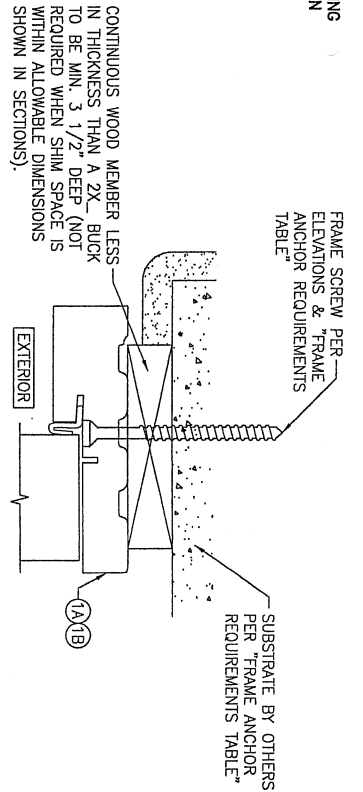
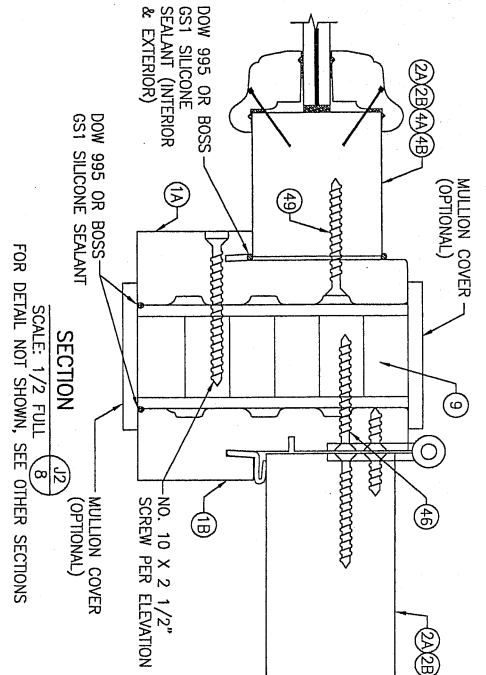
DRAWING TITLE
10 FOOT WOOD INSWING IMPACT DOORS

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

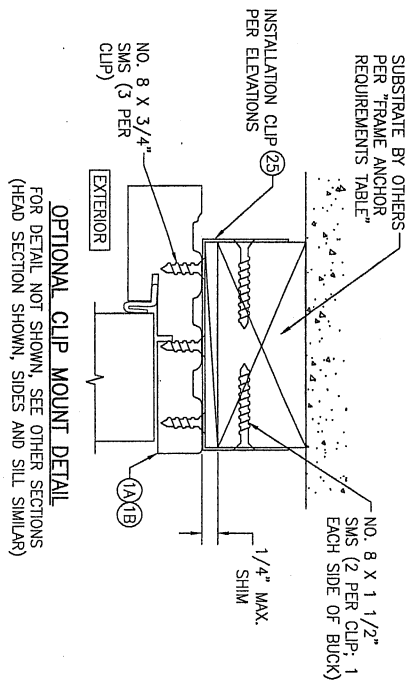
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DRAWING NO. 1888
SHEET NO. 7 OF 11



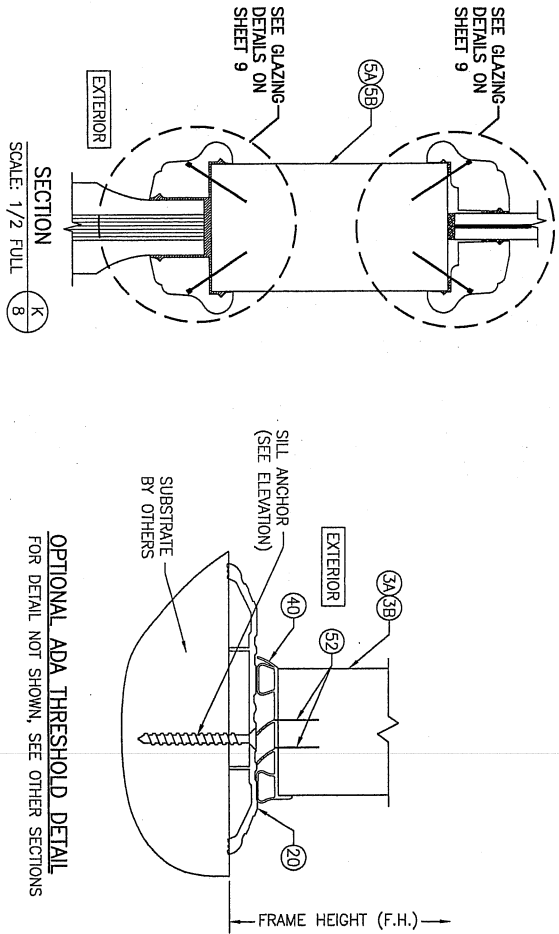
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

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



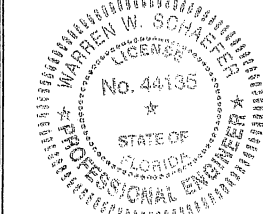
OPTIONAL CLIP MOUNT DETAIL

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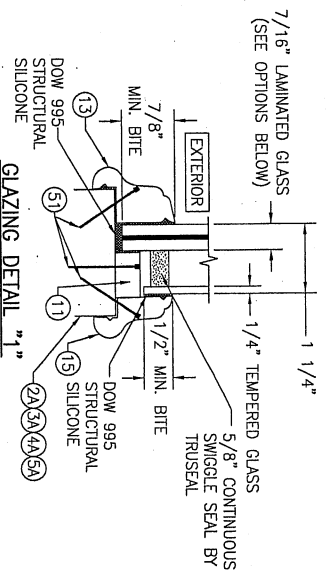
OPTIONAL ADA THRESHOLD DETAIL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



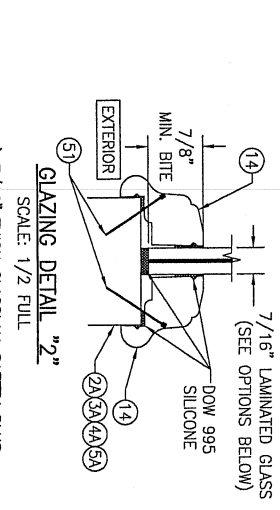
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CERTIFICATION	DRAWING TITLE	CONSULTANTS	MANUFACTURER
WARREN W. SCHAEFER, P.E. 1888 8 OF 11	10 FOOT WOOD INSWING IMPACT DOORS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	SIGNATURE DOOR INC. 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770



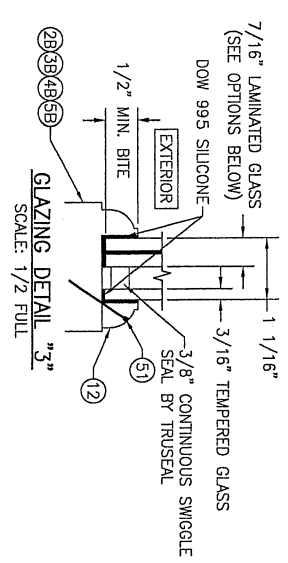
GLASS OPTION: 1) 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED OUTER GLASS (3/16" AN/0.10" POLYURETHANE POLYMER/3/16" AN); 3/16" TEMPERED SINGLE PANE INNER GLASS

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



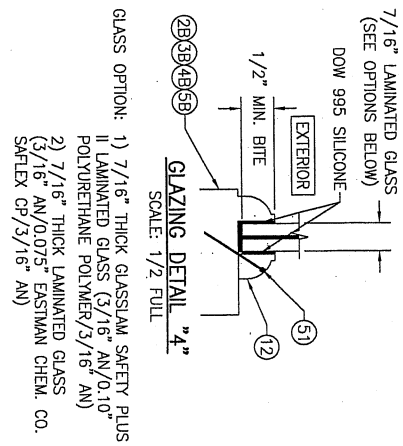
GLASS OPTION: 1) 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED OUTER GLASS (3/16" AN/0.10" POLYURETHANE POLYMER/3/16" AN)

2) 7/16" THICK LAMINATED GLASS (3/16" AN/0.075" EASTMAN CHEM. CO. SAFLEX CP/3/16" AN)



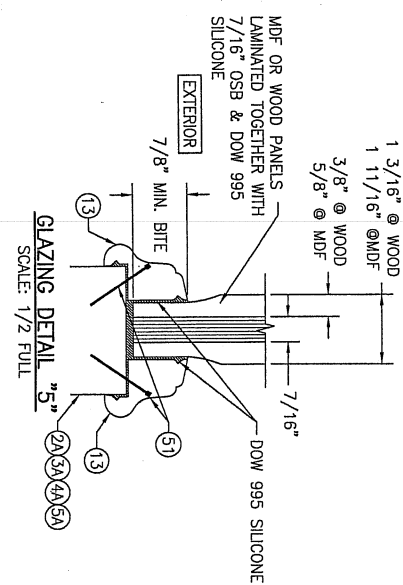
GLASS OPTION: 1) 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED OUTER GLASS (3/16" AN/0.10" POLYURETHANE POLYMER/3/16" AN); 3/16" TEMPERED SINGLE PANE INNER GLASS

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



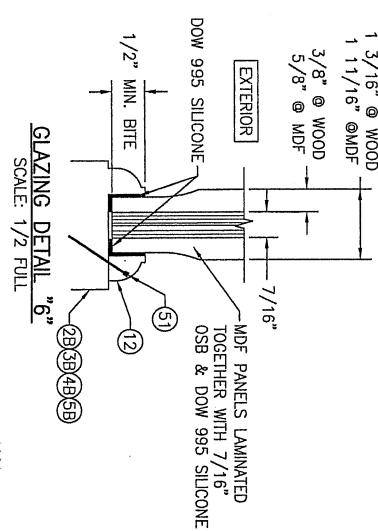
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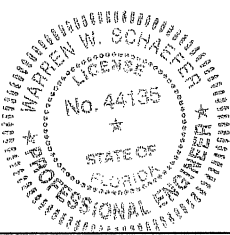
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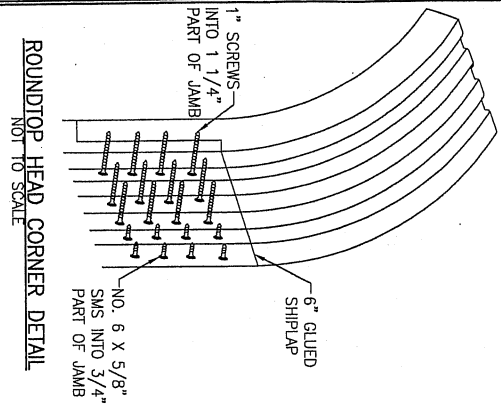
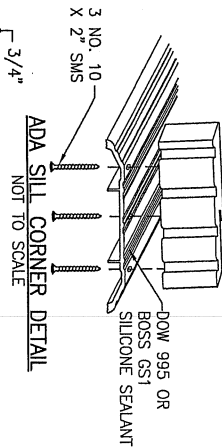
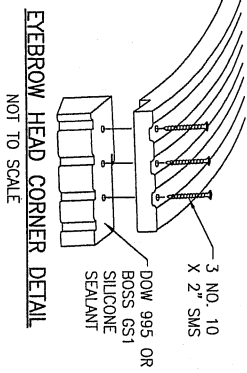
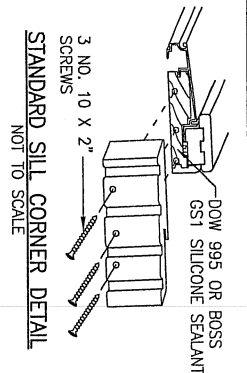
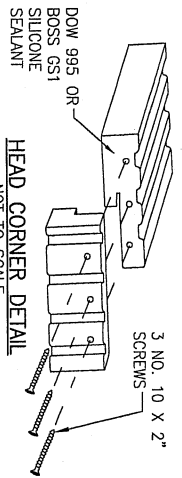


GLASS OPTION: 1) 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED OUTER GLASS (3/16" AN/0.10" POLYURETHANE POLYMER/3/16" AN)

2) 7/16" THICK LAMINATED GLASS (3/16" AN/0.075" EASTMAN CHEM. CO. SAFLEX CP/3/16" AN)

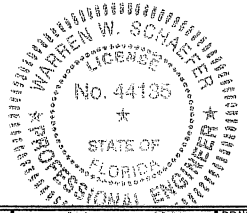
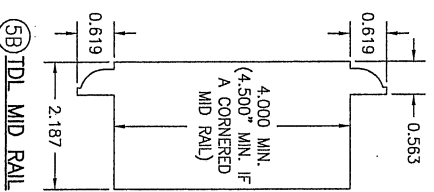
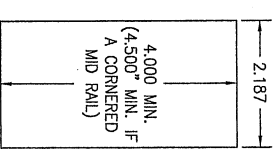
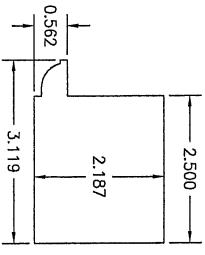
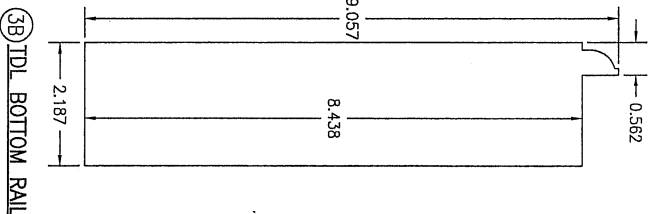
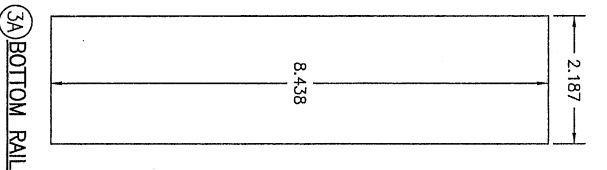
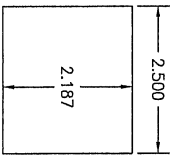
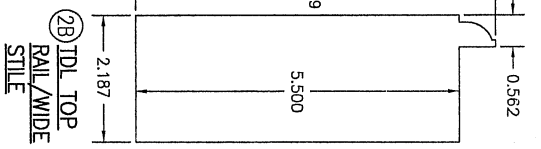
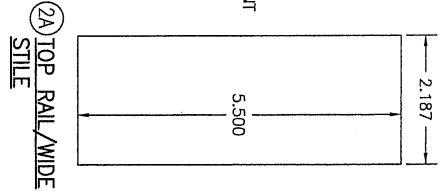
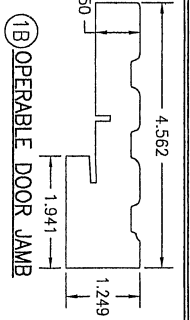
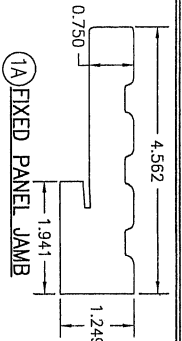
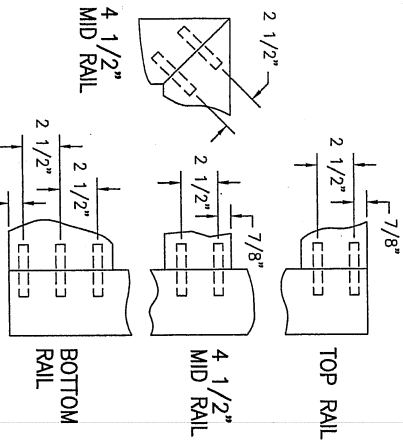


CERTIFICATION JAN 09 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING TITLE 10 FOOT WOOD INSWING IMPACT DOORS		<table><thead><tr><th>NO.</th><th>REVISION</th><th>DESCRIPTION</th><th>BY</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>		NO.	REVISION	DESCRIPTION	BY	DATE																																													
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DRAWING NO. 1888 REV. A SHEET NO. 9 OF 11	<table><thead><tr><th>NO.</th><th>REVISION</th><th>DESCRIPTION</th><th>BY</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> DRAWN BY: WWS CHECKED BY: WWS DATE: 09/02/14					NO.	REVISION	DESCRIPTION	BY	DATE																																													
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ALL DOWEL AND WOOD TO WOOD CONTACT SURFACES ARE FULLY GLUED WITH WOOD ADHESIVE BY KORLOCK GT 42-300A OR TITEBOND II BY WEATHERPROOF.

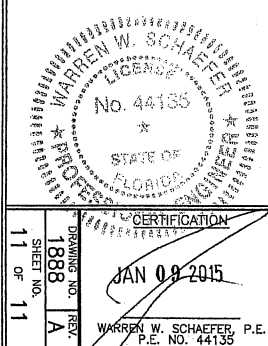
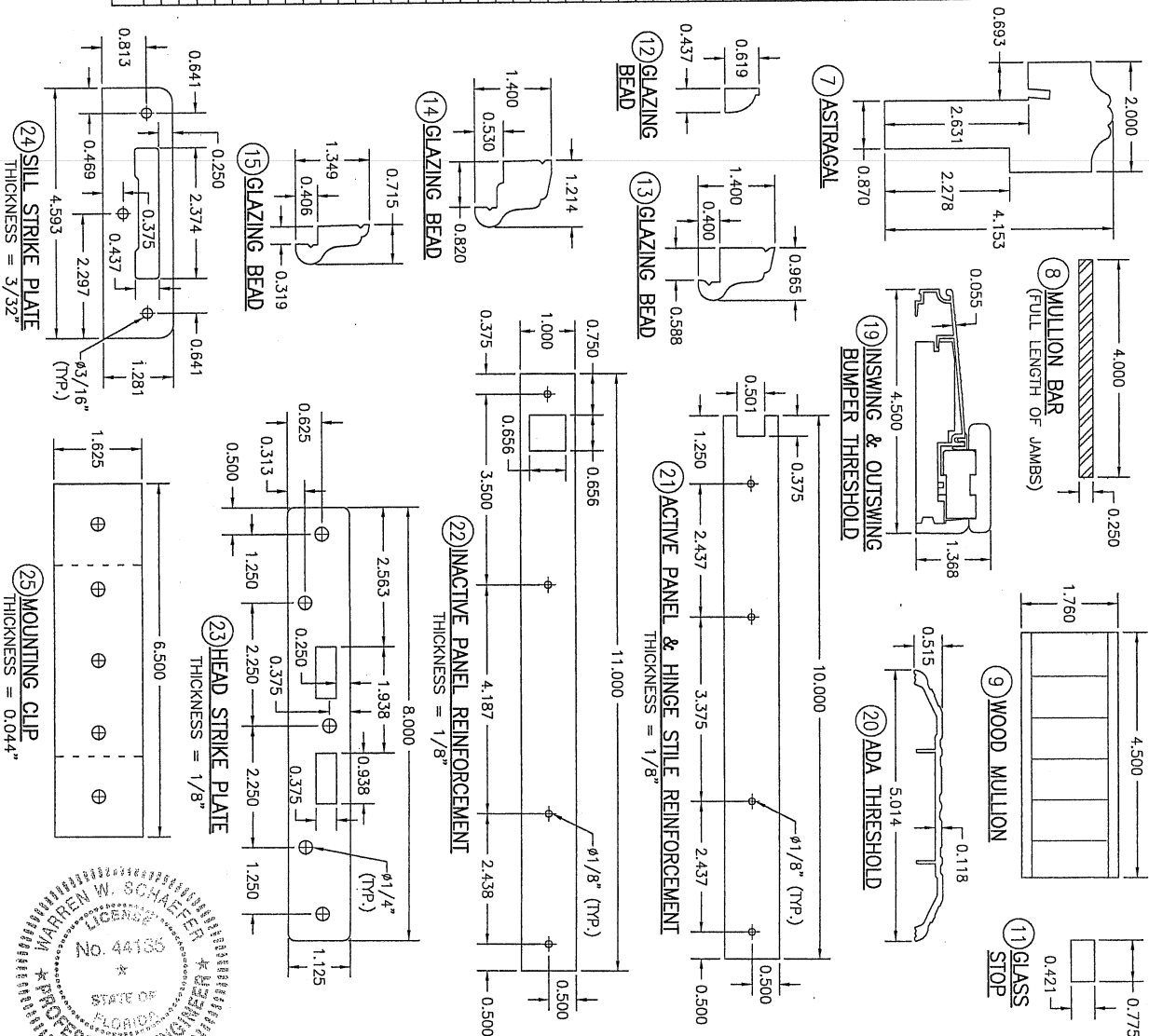
PANEL CORNER DETAILS



DRAWING NO. 1888 SHEET NO. 10 OF 11	CERTIFICATION JAN 09 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING TITLE 10 FOOT WOOD INSWING 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		CHECKED BY DATE 09/03/14	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
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	ALU. OR LAMINATED RED OAK CORE (PINE VENEER)
9	WOOD MULLION	* WOOD
11	GLASS STOP	* WOOD
12	GLAZING BEAD	* WOOD
13	GLAZING BEAD	* WOOD
14	GLAZING BEAD	* WOOD
15	GLAZING BEAD	* WOOD
19	INSWING & OUTSWING BUMPER THRESHOLD	IMPERIAL 500W
20	ADA THRESHOLD	HAGER 401-S
21	ACTIVE PANEL & HINGE STILE REIN.	STAINLESS STEEL
22	INACTIVE PANEL REINFORCEMENT	STAINLESS STEEL
23	HEAD STRIKE PLATE	STAINLESS STEEL
24	SILL STRIKE PLATE	STAINLESS STEEL
25	MOUNTING CLIP	MIL. 33 KSI GALVANIZED STEEL
26	JAMB REIN. PLATE (104" X 4.00" X 16.00")	MIL. 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	PERDOR M44.58BTRPQ-S08B (STEEL)
29	4.5" X 4.5" BALL BEARING HINGE	PERDOR M44.58BTRPQ-S08B (BRASS)
30	5-POINT INACTIVE PANEL LOCK SYS.	HOPPE HL59000 ROUND/SHOUBOLT
31	5-POINT INACTIVE PANEL LOCK SYS.	HOPPE HL59000 SHOUBOLT
32	3-POINT ACTIVE PANEL LOCK SYS.	HOPPE HL59000 ROUND/SHOUBOLT
33	5-POINT ACTIVE PANEL LOCK SYS. (3-POINT AT SINGLE DOOR)	GU RHINO
34	2-POINT INACTIVE PANEL LOCK SYS.	GU EUROPA
35	5-POINT ACTIVE PANEL LOCK SYS. (3-POINT AT SINGLE DOOR)	KEY 7370-S, BOLT
36	2-POINT INACTIVE PANEL LOCK SYS.	KEY 7000
37	HANDLE	AS REQ'D TO FIT LOCK SYSTEM
38	LOCK STRIKE PLATE	AS SUPPLIED WITH LOCK SYSTEM
SEALS AND SEALANTS		
40	DOOR SWEEP	IMPERIAL FBSS08/FBSS388
42	WEATHER SEAL	HOLMA INDUSTRIES JF68814
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/SIDE LIGHT
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 & 22" O.C. THRU ASTRAGAL
53	NO. 10 X 2 1/2" SMS	2 PER TOP & BOTTOM STRIKE PLATE AND 3 AT HANDLE LOCATION STRIKE PLATE
54	NO. 6 X 3/4" SCREW	

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.



10 FOOT WOOD INSWING 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

NO.	REVISION	DESCRIPTION	BY	DATE
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CERTIFICATION
JAN 09 2015
WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO. 1888
 SHEET NO. 11 OF 11