

GENERAL NOTES:

- THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- 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.
- THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) FOR NON-HIGH VELOCITY HURRICANE ZONES (NON-HVHZ).
- THIS PRODUCT IS NON-IMPACT RATED & MUST BE SHUTTERED WITH A FLORIDA CODE APPROVED SHUTTER WHERE REQUIRED BY CODE.
- 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.
- 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.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
- TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/OA 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.
- 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.
- 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.
- CONDITIONS OTHER THAN THOSE SHOWN HERE-IN SHALL BE SUBJECT TO JOB SPECIFIC ENGINEER'S REVIEW AND CERTIFICATION (EXAMPLE: SMALLER DOORS TO HIGHER ALLOWABLE DESIGN PRESSURE THAN WHAT IS STATED).

NOTE: THESE 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.

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 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"
2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
HINGE & 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. 18 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"
2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"

LOCK SYSTEM DESCRIPTIONS

LOCK SYSTEM	DESCRIPTION	
	ACTIVE PANEL	INACTIVE PANEL
1	LATCH & DEAD BOLT ONLY	TOP & BOTTOM SHOOT BOLTS
2	LATCH & DEAD BOLT PLUS SURFACE BOLTS	TOP & BOTTOM SHOOT BOLTS
3	3-POINT MULTI-POINT LOCK	TOP & BOTTOM SHOOT BOLTS
4	5-POINT MULTI-POINT LOCK (1)	TOP & BOTTOM SHOOT BOLTS

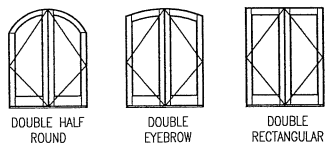
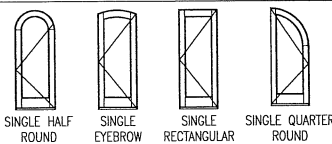
EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STARTING 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.

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 HALF-ROUND & SINGLE QUARTER ROUND DOORS

SHAPES CONSIDERED AS PART OF THIS APPROVAL



NOTE: EYEBROW TOP DOORS SHALL BE INSTALLED THE SAME AS RECTANGULAR.

DOOR CORNER CONSTRUCTION:

HEAD FRAME CORNERS: OPTION 1: SIDE JAMB MEMBER IS COPEDED. HEAD FRAME MEMBER IS SQUARE CUT, BUTTED TO THE SIDE JAMB MEMBER, FULLY BONDED/SEALED WITH DOW 995 OR BOSS/QUANEX GS1 SEALANT AND JOINED WITH THREE(3) 1/2" X 2" LONG 16 GAGE CROWN STAPLES. OPTION 2: JAMBS END IS COPEDED, BUTTED TO THE HEAD, FULLY BONDED/SEALED WITH DOW 995 OR BOSS/QUANEX GS1 SEALANT AND JOINED WITH 3 NO. 10 X 3" SCREWS.

SILL CORNERS (STANDARD BUMPER SILL): OPTION 1: SIDE JAMB MEMBER IS COPEDED. SILL MEMBER IS SQUARE CUT, BUTTED TO THE SIDE JAMB MEMBER, FULLY BONDED/SEALED WITH DOW 995 OR BOSS/QUANEX GS1 SEALANT AND JOINED WITH TWO(2) NO. 10 X 2" LONG WOOD OR SMS SCREWS. OPTION 2: JAMB END IS COPEDED, BUTTED TO THE SILL, FULLY BONDED/SEALED WITH DOW 995 OR BOSS/QUANEX GS1 SEALANT AND JOINED WITH 3 NO. 10 X 3" SCREWS.

SILL CORNERS (ADJUSTABLE SILLS): SIDE JAMB MEMBER IS COPEDED. SILL MEMBER IS SQUARE CUT, BUTTED TO THE SIDE JAMB MEMBER, FULLY BONDED/SEALED WITH DOW 995 OR BOSS/QUANEX GS1 SEALANT AND JOINED WITH THREE(3) 1/2" X 2" LONG 16 GAGE CROWN STAPLES.

SILL CORNERS (ADA SILL): JAMB IS CUT TO FIT, BUTTED TO SILL, FULLY BONDED/SEALED WITH DOW 995 OR BOSS/QUANEX GS1 SEALANT AND JOINED WITH 3 NO. 10 X 2" SCREWS.

MULLION JAMBS TO CONTINUOUS HEAD AND SILL: EACH JAMBS END IS COPEDED, BUTTED TO THE HEAD/SILL, FULLY BONDED/SEALED WITH DOW 995 OR BOSS/QUANEX GS1 SEALANT AND JOINED WITH 3 NO. 10 X 3" SCREWS.

SEAM AT FULL RADIUS JAMB: SIDE AND HEAD FRAME MEMBERS ARE EQUALLY COPEDED & LAPPED 5", MATED TOGETHER, FULLY GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE AND JOINED WITH 8 NO. 6 X 1 1/8" AND 8 NO. 6 X 5/8" SMS SCREWS.

TOP RAIL TO STILE: RAIL IS SQUARE CUT, BUTTED TO THE STILE, JOINED TO THE STILE WITH TWO(2) 5/8" X 3" DOWELS AND FULLY GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE (DOWELS AND MEETING SURFACES).

STANDARD BOTTOM RAIL TO STILE: RAIL IS SQUARE CUT, BUTTED TO THE STILE, JOINED TO THE STILE WITH THREE(3) 5/8" X 3" DOWELS AND FULLY GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE (DOWELS AND MEETING SURFACES).

BOTTOM RAIL TO STILE WHEN TOP RAIL IS FULL RADIUS: EACH THE RAIL END AND STILE EDGE ARE GROOVED TO ACCEPT A 1/2" THICK X 3 3/8" WIDE X 7 7/16" LONG HARDWOOD KEY. ONCE JOINED VIA THE KEY, ALL SURFACES ARE GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE.

MID-RAIL TO STILE: RAIL IS SQUARE CUT, BUTTED TO THE STILE, JOINED TO THE STILE WITH TWO(2) 5/8" X 3" DOWELS AND FULLY GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE (DOWELS AND MEETING SURFACES).

MID-STILE TO RAIL: STILE IS SQUARE CUT, BUTTED TO THE RAIL, JOINED TO THE RAIL WITH TWO(2) 5/8" X 3" DOWELS AND FULLY GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE (DOWELS AND MEETING SURFACES).

FULL RADIUS STILE/RAIL JOINERY AT RADIUS END: RAIL & STILE ARE VERTICALLY CUT, BUTTED TOGETHER, JOINED WITH TWO(2) 5/8" X 3" DOWELS AND FULLY GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE (DOWELS AND MEETING SURFACES).

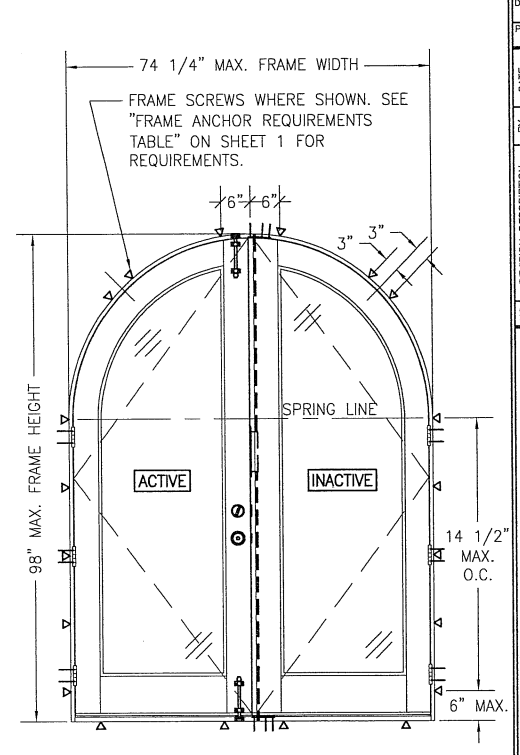
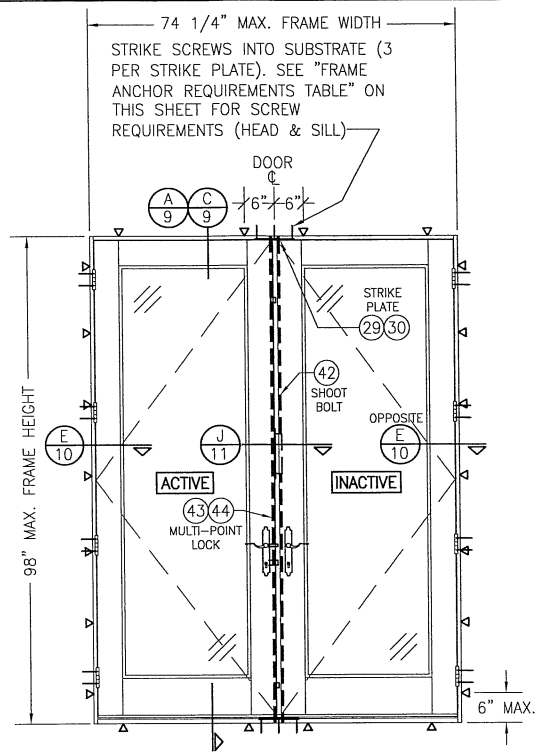
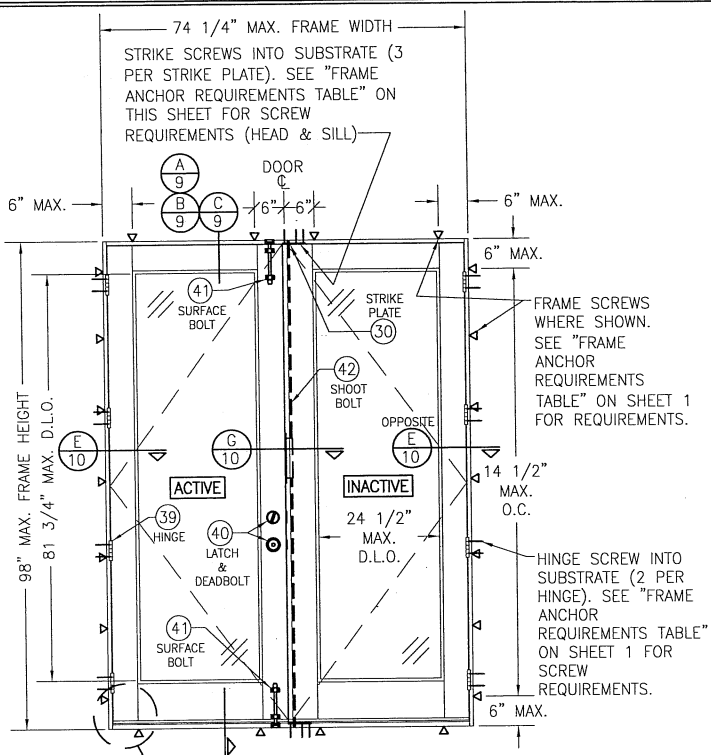
TRANSOM CORNER CONSTRUCTION:

DIRECT SET AND SASH SET TRANSOM FRAMES: SAME AS DOOR "HEAD FRAME CORNERS" STATED ABOVE.

SASH SET SASH CORNERS: RAILS ARE SQUARE CUT, BUTTED TO THE STILES, JOINED TO THE STILE WITH ONE(1) 5/8" X 3" DOWEL AND FULLY GLUED WITH KORLOCK GT-42-300A OR WATERPROOF'S TITEBOND III GLUE (DOWEL AND MEETING SURFACES).

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.W.S.	CHECKED BY: W.W.S.
DATE: 06/24/17	DATE: 05/12/15
NO.	REVISION DESCRIPTION
1	AT 1/10/17 correction
JOB INFORMATION: SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 15602 814-949-2770	
JOB INFORMATION: RESULTS W. SCHAEFER ENGINEERING CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH, FL 33418 PHONE: 561-744-3424	
DRAWING TITLE: 8 FT. NON-IMPACT IN-SWING WOOD DOORS	
DRAWING NO. 1898 REV. A	
SHEET NO. 1 OF 16	



SEE CORNER CONSTRUCTION DESCRIPTIONS ON SHEET 1

**INTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR WITH
LOCK SYSTEM 1 OR 2**

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

(FOR LOCK SYSTEM DESCRIPTIONS, SEE SHEET 1)

**INTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR WITH
LOCK SYSTEM 3 OR 4**

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

(FOR LOCK SYSTEM DESCRIPTIONS, SEE SHEET 1)
(FOR DETAIL NOT SHOWN, SEE LOCK SYSTEM 1 OR 2 ELEVATION ON THIS SHEET.)

**INTERIOR ELEVATION:
DOUBLE HALF-ROUND TOP DOOR**

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

(FOR DETAIL NOT SHOWN, SEE OTHER 2 ELEVATIONS ON THIS SHEET. NOTE THAT ALL LOCK SYSTEMS APPLY.)

**ALLOWABLE DESIGN PRESSURE
(1) (DOUBLE RECTANGULAR DOORS)**

LOCK SYSTEM	ALLOWABLE PRESSURE (PSF)			
	(2) GLAZED		OPAQUE	
	POS.	NEG.	POS.	NEG.
1	30	50	40	50
2	45	50	50	50

(1) THIS TABLE ALSO APPLIES TO EYE-BROW TOP DOORS.
(2) "GLAZED" INCLUDES FULLY AND PARTIALLY GLAZED DOOR PANELS.

**ALLOWABLE DESIGN PRESSURE
(1) (DOUBLE RECTANGULAR DOORS)**

LOCK SYSTEM	ALLOWABLE PRESSURE (PSF)			
	(2) GLAZED		OPAQUE	
	POS.	NEG.	POS.	NEG.
3	35	40	35	40
4	55	60	55	65

(1) THIS TABLE ALSO APPLIES TO EYE-BROW TOP DOORS.
(2) "GLAZED" INCLUDES FULLY AND PARTIALLY GLAZED DOOR PANELS.

**ALLOWABLE DESIGN PRESSURE
(DOUBLE HALF-ROUND DOORS)**

LOCK SYSTEM	ALLOWABLE PRESSURE (PSF)			
	(1) GLAZED		OPAQUE	
	POS.	NEG.	POS.	NEG.
1	30	50	30	50
2	45	50	50	50
3	35	40	35	40
4	50	55	50	65

(1) "GLAZED" INCLUDES FULLY AND PARTIALLY GLAZED DOOR PANELS.

D.L.O. NOTE:
MAX. D.L.O. DIMENSIONS SHOWN APPLY TO DOOR PANELS GLAZED WITH RECESSED MOLDING. WHEN APPLIED MOLDING IS USED, THE MAX. D.L.O. IS REDUCED 3/4".

NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, PARTIALLY paneled OR FULLY paneled. SEE SHEET 8 ELEVATIONS FOR paneled DOORS.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 05/12/15
DATE	
BY	
REVISION DESCRIPTION	
NO.	

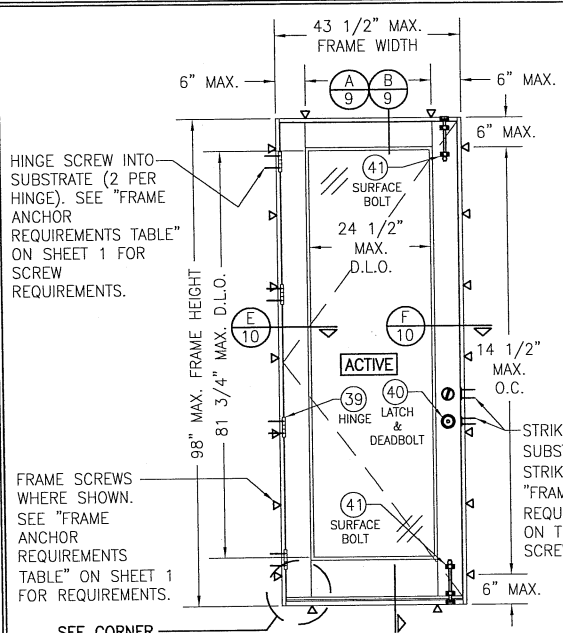
JOB INFORMATION:
SIGNATURE DOOR INC.
401 PRIORITY STREET
ALTOONA, PA 16602
814-949-2770

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

DRAWING TITLE: 8 FT. NON-IMPACT IN-SWING WOOD DOORS

STATE OF ALABAMA REGISTERED PROFESSIONAL ENGINEER
W. SCHAEFER
LICENSE NO. 441009

DRAWING NO.	REV.
1898	A
SHEET NO.	
2	OF 16



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

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

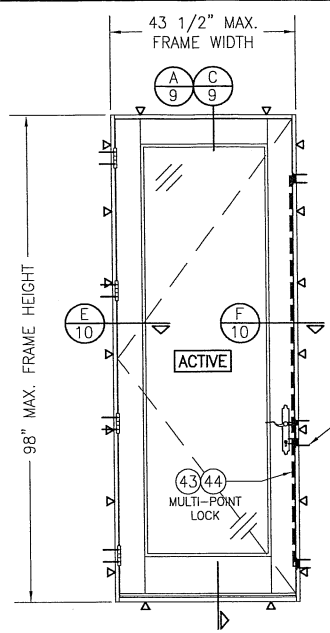
SEE CORNER CONSTRUCTION DESCRIPTIONS ON SHEET 1

**INTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR WITH LOCK
SYSTEM 1 OR 2**

SCALE: 1/2" = 1'-0"
(FOR LOCK SYSTEM DESCRIPTIONS, SEE SHEET 1)

ALLOWABLE DESIGN PRESSURE (1) (SINGLE RECTANGULAR DOORS)					
LOCK SYSTEM	FRAME WIDTH	ALLOWABLE PRESSURE (PSF)			
		(2) GLAZED		OPAQUE	
		POS.	NEG.	POS.	NEG.
1	37 1/2"	35	50	40	50
	43 1/2"	30	50	30	50
2	43 1/2"	50	50	50	50

(1) THIS TABLE ALSO APPLIES TO EYE-BROW TOP DOORS.
(2) "GLAZED" INCLUDES FULLY AND PARTIALLY GLAZED DOOR PANELS.



FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

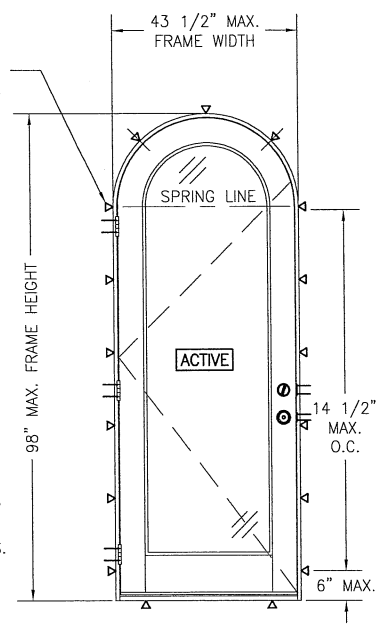
STRIKE SCREWS INTO SUBSTRATE (2 PER STRIKE PLATE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

**INTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR WITH LOCK
SYSTEM 3 OR 4**

SCALE: 1/2" = 1'-0"
(FOR LOCK SYSTEM DESCRIPTIONS, SEE SHEET 1)
(FOR DETAIL NOT SHOWN, SEE LOCK SYSTEM 1 OR 2 ELEVATION ON THIS SHEET.)

ALLOWABLE DESIGN PRESSURE (1) (SINGLE RECTANGULAR DOORS)					
LOCK SYSTEM	FRAME WIDTH	ALLOWABLE PRESSURE (PSF)			
		(2) GLAZED		OPAQUE	
		POS.	NEG.	POS.	NEG.
3	37 1/2"	35	50	40	50
	43 1/2"	30	50	30	50
4	37 1/2"	55	60	55	65
	43 1/2"	50	50	50	50

(1) THIS TABLE ALSO APPLIES TO EYE-BROW TOP DOORS.
(2) "GLAZED" INCLUDES FULLY AND PARTIALLY GLAZED DOOR PANELS.



FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

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

**INTERIOR ELEVATION:
SINGLE HALF-ROUND TOP DOOR**

SCALE: 1/2" = 1'-0"
(FOR DETAIL NOT SHOWN, SEE OTHER 2 ELEVATIONS ON THIS SHEET. NOTE THAT LOCK SYSTEMS 1 & 3 APPLY.)

ALLOWABLE DESIGN PRESSURE (SINGLE HALF-ROUND DOORS)					
LOCK SYSTEM	FRAME WIDTH	ALLOWABLE PRESSURE (PSF)			
		(1) GLAZED		OPAQUE	
		POS.	NEG.	POS.	NEG.
1	37 1/2"	35	41	35	41
	43 1/2"	30	35	30	35
3	37 1/2"	35	41	35	41
	43 1/2"	30	35	30	35

(1) "GLAZED" INCLUDES FULLY AND PARTIALLY GLAZED DOOR PANELS.

D.L.O. NOTE:
MAX. D.L.O. DIMENSIONS SHOWN APPLY TO DOOR PANELS GLAZED WITH RECESSED MOLDING. WHEN APPLIED MOLDING IS USED, THE MAX. D.L.O. IS REDUCED 3/4".

NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, PARTIALLY PANELED OR FULLY PANELED. SEE SHEET 8 ELEVATIONS FOR PANELED DOORS.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 05/12/15
DATE	
BY	
REVISION DESCRIPTION	
NO.	

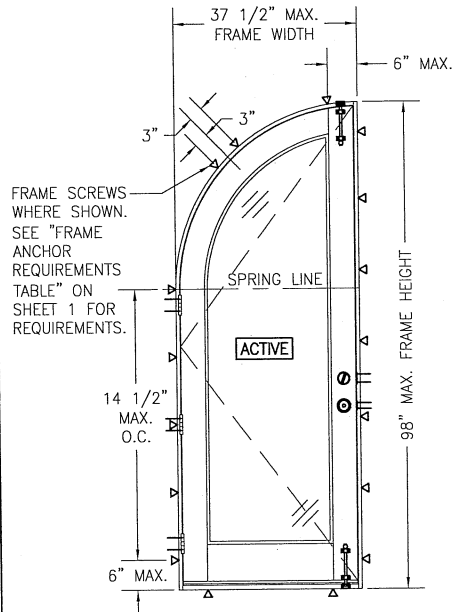
JOB INFORMATION:
SIGNATURE DOOR INC.
401 PRIORITY STREET
ALTOONA, PA 16602
814-949-2770

CONSULTANTS:
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6609)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-5424

PROFESSIONAL SEAL:
WARREN W. SCHAEFER
LICENSE
No. 44195
P.E.

DRAWING TITLE:
8 FT. NON-IMPACT IN-SWING WOOD DOORS

DRAWING NO.	REV.
1898	A
SHEET NO.	
3	OF 16



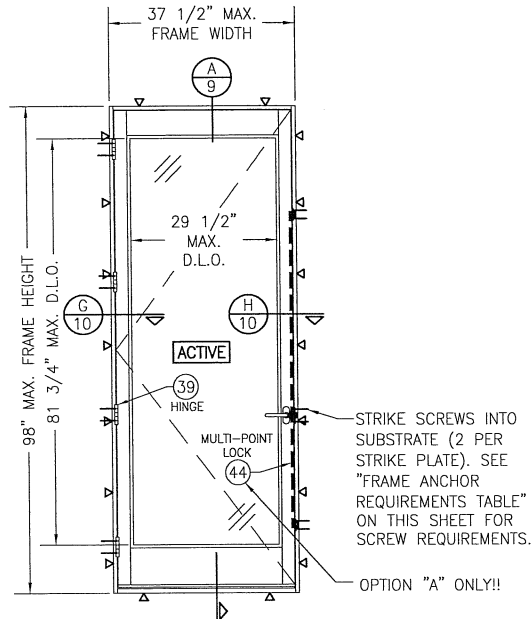
**INTERIOR ELEVATION:
SINGLE QUARTER-ROUND TOP DOOR**

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

(FOR DETAIL NOT SHOWN, SEE ELEVATIONS ON SHEET 3. NOTE THAT ALL LOCK SYSTEMS APPLY.)

ALLOWABLE DESIGN PRESSURE (SINGLE QUARTER-ROUND DOORS)				
LOCK SYSTEM	ALLOWABLE PRESSURE (PSF)			
	(1) GLAZED		OPAQUE	
	POS.	NEG.	POS.	NEG.
1	30	50	30	50
2	45	50	50	50
3	35	40	35	40
4	50	55	50	65

(1) "GLAZED" INCLUDES FULLY AND PARTIALLY GLAZED DOOR PANELS.



**INTERIOR ELEVATION:
SINGLE RECTANGULAR ACTIVE SIDELITE**

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

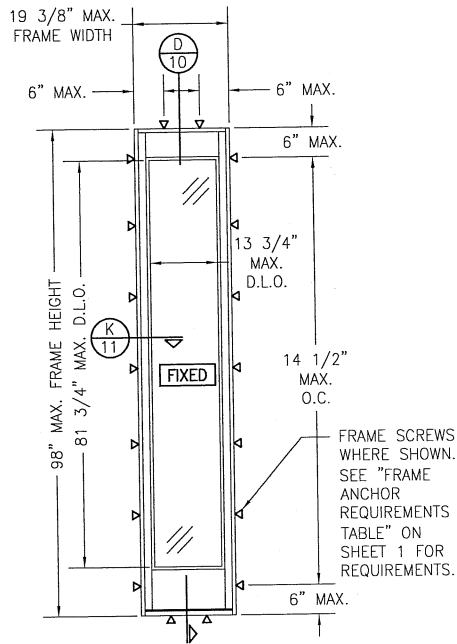
(FOR INSTALLATION DETAIL NOT SHOWN, SEE ELEVATION ON SHEET 3.)
(ONLY RECTANGULAR SHAPE APPLIES TO THIS SIDELITE)

ALLOWABLE DESIGN PRESSURE (SINGLE RECTANGULAR ACTIVE SIDELITE)	
+45/-50 PSF	

D.L.O. NOTE:
MAX. D.L.O. DIMENSIONS SHOWN APPLY TO DOOR PANELS GLAZED WITH RECESSED MOLDING. WHEN APPLIED MOLDING IS USED, THE MAX. D.L.O. IS REDUCED 3/4".

NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, PARTIALLY PANELED OR FULLY PANELED. SEE SHEET 8 ELEVATIONS FOR PANELED DOORS.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	PLOT: 1=24	DATE: 05/12/15	
DATE	BY	REVISION DESCRIPTION	NO.	
DRAWING TITLE: 8 FT. NON-IMPACT IN-SWING WOOD DOORS				
JOB INFORMATION:				
SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770				
CONSULTANTS:				
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6609) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3624				
PROFESSIONAL ENGINEER WARREN W. SCHAEFER, P.E. LICENSE No. 44135 EXPIRES 12/31/2017				
DRAWING NO.	REV.			
1898	A			
SHEET NO.				
4	OF 16			



**INTERIOR ELEVATION:
SINGLE RECTANGULAR FIXED
SIDELITE WITH 1.437" STILES**

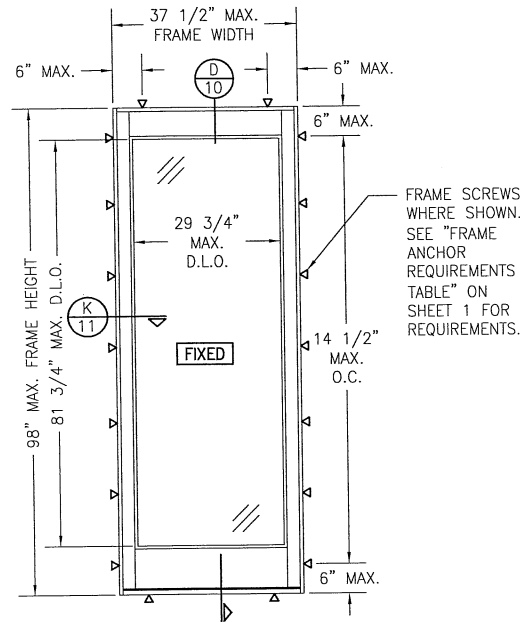
SCALE: 1/2" = 1'-0"

(RECTANGULAR FIXED SIDELITE IS SHOWN. SHAPED FIXED SIDELITES ALSO APPLY. FOR FRAME SCREW POSITIONS AT THE HEAD AREA OF SHAPED FIXED SIDELITES, SEE THE SHAPED SINGLE DOOR ELEVATIONS)

ALLOWABLE DESIGN PRESSURE (SINGLE FIXED SIDELITE)
+50/-50 PSF

NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, PARTIALLY PANELED OR FULLY PANELED. SEE SHEET 8 ELEVATIONS FOR PANELED DOORS.

D.L.O. NOTE:
MAX. D.L.O. DIMENSIONS SHOWN APPLY TO DOOR PANELS GLAZED WITH RECESSED MOLDING. WHEN APPLIED MOLDING IS USED, THE MAX. D.L.O. IS REDUCED 3/4".



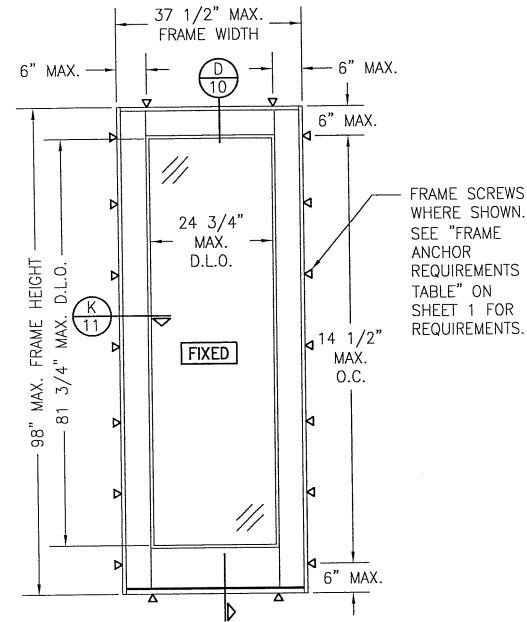
**INTERIOR ELEVATION:
SINGLE RECTANGULAR FIXED SIDELITE WITH
2.50" STILES**

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

(RECTANGULAR FIXED SIDELITE IS SHOWN. SHAPED FIXED SIDELITES ALSO APPLY. FOR FRAME SCREW POSITIONS AT THE HEAD AREA OF SHAPED FIXED SIDELITES, SEE THE SHAPED SINGLE DOOR ELEVATIONS)

ALLOWABLE DESIGN PRESSURE (SINGLE FIXED SIDELITE)
+45/-50 PSF

SIDLIGHT NOTE:
SIDELITES ARE NOT APPROVED TO BE STAND ALONE WINDOWS AND THEREFORE MUST BE INSTALLED AS PART OF THE DOOR SYSTEM IN THE SAME LOCATION AS THE DOORS. NOTE THAT WATER RESTRICTIONS APPLY TO THE SIDELITES AND OPERABLE DOORS EQUALLY.



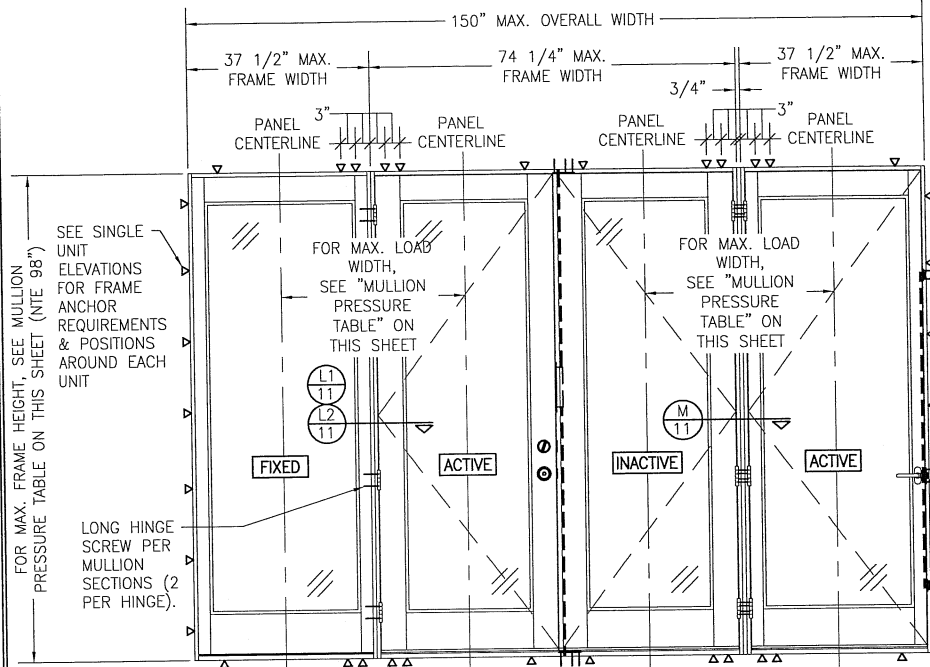
**INTERIOR ELEVATION:
SINGLE RECTANGULAR FIXED SIDELITE WITH
5" STILES**

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

(RECTANGULAR FIXED SIDELITE IS SHOWN. SHAPED FIXED SIDELITES ALSO APPLY. FOR FRAME SCREW POSITIONS AT THE HEAD AREA OF SHAPED FIXED SIDELITES, SEE THE SHAPED SINGLE DOOR ELEVATIONS)

ALLOWABLE DESIGN PRESSURE (SINGLE FIXED SIDELITE)
+55/-60 PSF

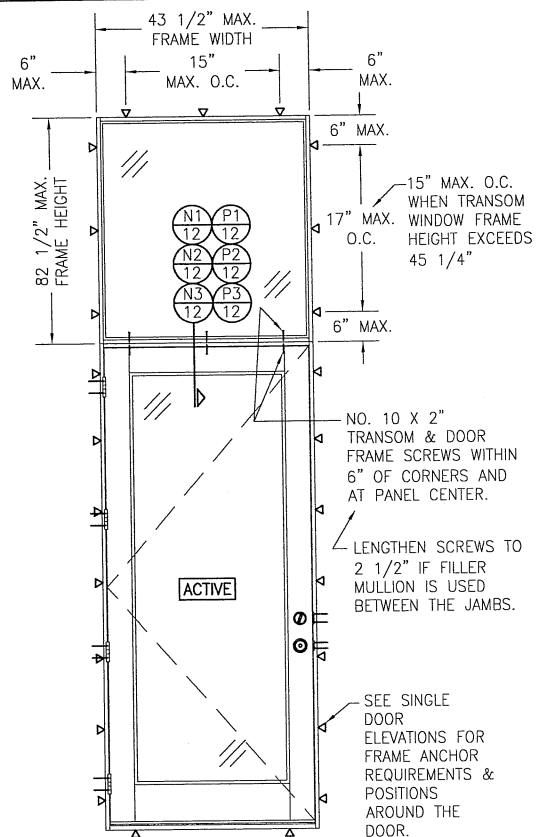
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 05/12/15
NO.	REVISION DESCRIPTION
BY	
DATE	
DRAWING TITLE 8 FT. NON-IMPACT IN-SWING WOOD DOORS	
JOB INFORMATION: SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 1898	REV. A
SHEET NO. 5 OF 16	



MULLION ALLOWABLE DESIGN PRESSURE (SIDE-BY-SIDE UNITS)

MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
98	40.5	41.6	46.3
	37.5	45.0	50.0
	34.5	48.9	54.3
	31.5	53.5	59.5
92	40.5	44.3	49.3
	37.5	47.9	53.2
	34.5	52.1	57.9
	31.5	57.0	63.4
86	40.5	47.4	52.7
	37.5	51.2	56.9
	34.5	55.7	61.9
	32.5	59.1	65.0
80	40.5	47.4	56.7
	37.5	55.1	61.2
	34.5	59.9	65.0

NOTES:
 1. SEE ELEVATIONS FOR DIMENSIONING OF LOAD WIDTH.
 2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL DOOR.
 3. WHEN A WOOD FILLER IS USED BETWEEN THE JAMBS, THE "LOAD WIDTH" VALUE NEED NOT CONSIDER THAT ADDED THICKNESS. VALUES STATED CONSIDER NO FILLER.



INTERIOR ELEVATION: (SINGLE DOOR WITH TRANSOM)
 SCALE: 1/2" = 1'-0"

TRANSOM UNIT NOTES:

- RECTANGULAR TRANSOM UNIT SHOWN. SHAPED TRANSOM ALSO APPLICABLE.
- TRANSOM MAY BE A DIRECT SET OR SASH SET WINDOW.
- SEE INDIVIDUAL DOOR ELEVATIONS FOR DOOR DETAIL NOT SHOWN.
- SEE ELEVATIONS ON SHEET 7 OR 8 FOR TRANSOM DETAIL NOT SHOWN.
- UNIT SHOWN WITH JAMB TO JAMB MULLION. USE OF THE 1 3/4" WOOD MULLIONS IS ALSO ACCEPTABLE.

ALLOWABLE DESIGN PRESSURE (SINGLE DOOR WITH TRANSOM)
+55/-65 PSF

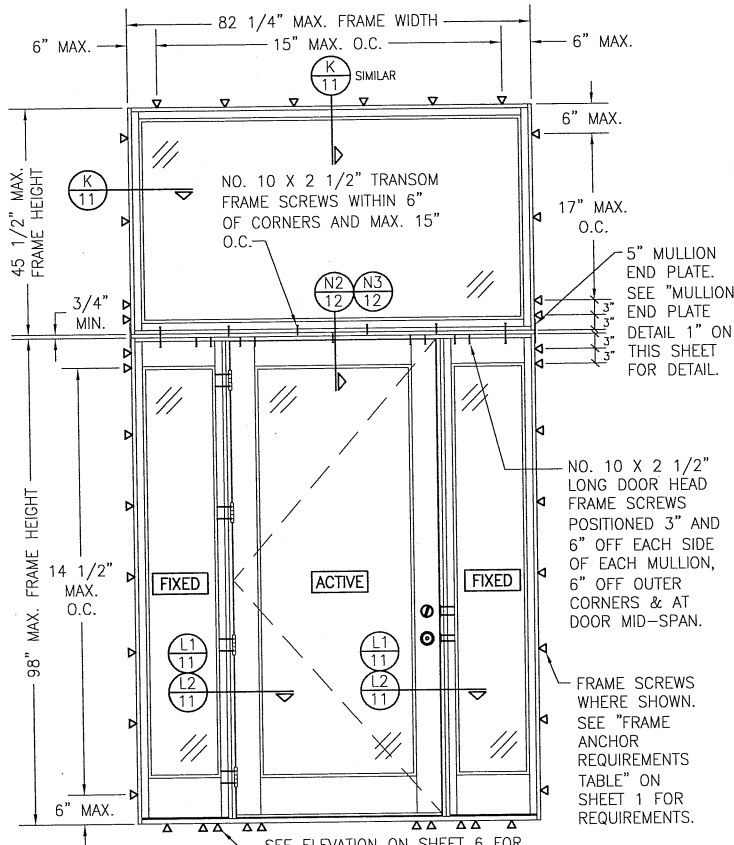
NOTE: ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL DOOR.

ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.
INTERIOR ELEVATION: SIDE-BY-SIDE MULLED UNITS
 SCALE: 1/2" = 1'-0"
 (RECTANGULAR UNIT SHOWN. ARCHED TOP UNITS ALSO APPLY PROVIDING THE ARCH IS CONTINUOUS ACROSS THE HEAD)

MULTIPLE UNIT NOTES:

- FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
- OXXX UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS UP TO 4 PANELS WIDE ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.
- INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATIONS.
- A WOOD FILLER MULLION IS REQUIRED BETWEEN ACTIVE/ACTIVE DOORS (NOT REQUIRED BETWEEN FIXED/ACTIVE OR FIXED/FIXED JAMBS).
- THIS ELEVATION IS SHOWN WITH EACH DOOR AND SIDELITE HAVING ITS OWN SURROUND FRAME. USE OF A CONTINUOUS FRAME AROUND THE ENTIRE UNIT ALSO APPLIES. SEE CORNER CONSTRUCTION DESCRIPTION ON SHEET 1 FOR "MULLION JAMBS TO HEAD & SILL" DESCRIPTION WHEN HEAD & SILL FRAME IS CONTINUOUS.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 05/12/15
NO.	REVISION DESCRIPTION
BY:	
DATE:	
DRAWING TITLE: 8 FT. NON-IMPACT IN-SWING WOOD DOORS	
JOB INFORMATION: SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16802 814-949-2770	
CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH, FL 33418 PHONE: 561-744-3424	
CERTIFICATION: No. 44135	STATE OF: PENNSYLVANIA
W. SCHAEFER PROFESSIONAL ENGINEER	
WARREN W. SCHAEFER, P.E. No. 44135	
DRAWING NO. 1898	REV. A
SHEET NO. 6 OF 16	



**INTERIOR ELEVATION;
(OXO UNIT WITH SASH SET TRANSOM)**

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

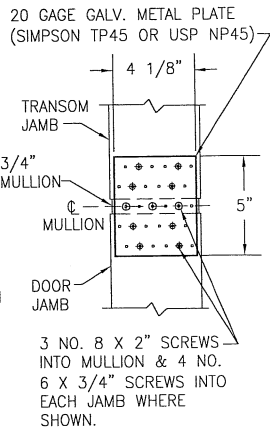
(RECTANGULAR TRANSOM SHOWN. RADIUS OR ANGLED TOP TRANSOM ALSO APPLIES.)

TRANSOM UNIT NOTES:

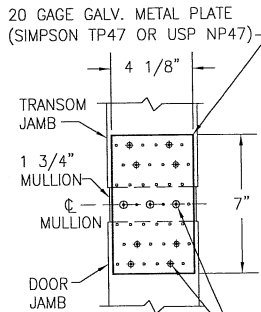
1. ALL HEAD FRAMES AND SILLS MUST BE CONTINUOUS ACROSS ENTIRE UNIT.
2. ALLOWABLE DESIGN PRESSURE, UNIT SIZE & OTHER MULLION CONDITIONS OUTSIDE OF THOSE SHOWN SHALL BE SUBJECT TO SEPERATE JOB SPECIFIC ENGINEER'S REVIEW AND CERTIFICATION.

ALLOWABLE DESIGN PRESSURE (OXO UNIT WITH SASH SET TRANSOM)
+50/-50 PSF
NOTE: ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL DOOR.

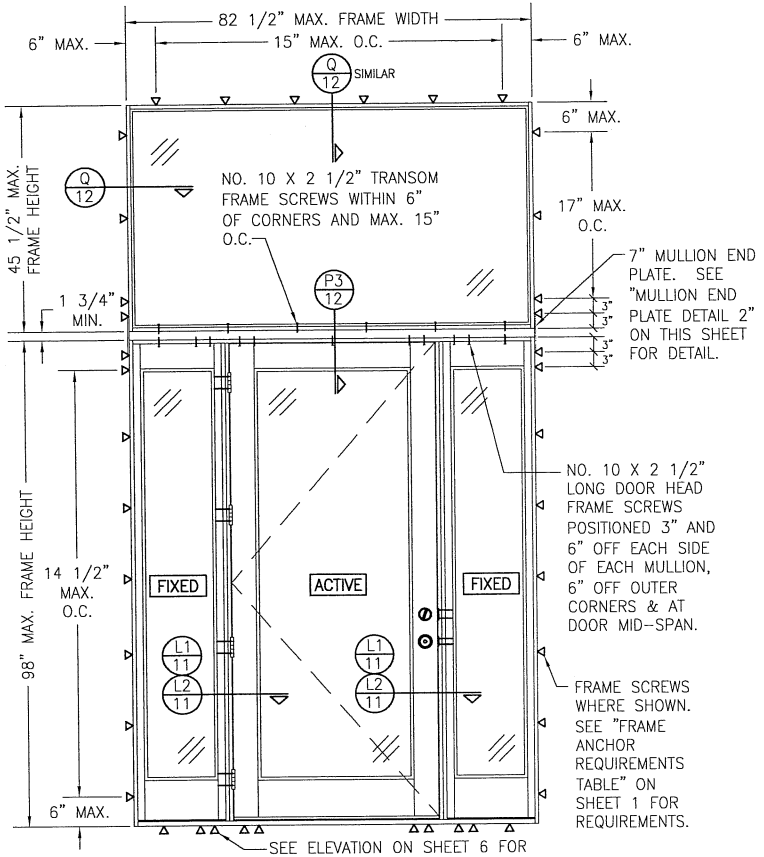
SEE INDIVIDUAL DOOR AND SIDELITE ELEVATIONS FOR DOOR AND SIDELITE REQUIREMENTS/DETAIL NOT SHOWN.



**MULLION END PLATE
DETAIL 1
(USED WITH 3/4" MULLION REINFORCEMENT)**



**MULLION END PLATE
DETAIL 2
(USED WITH 1 3/4" MULLION REINFORCEMENT)**



**INTERIOR ELEVATION;
(OXO UNIT WITH DIRECT SET TRANSOM)**

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

(RECTANGULAR TRANSOM SHOWN. RADIUS OR ANGLED TOP TRANSOM ALSO APPLIES.)

TRANSOM UNIT NOTES:

1. ALL HEAD FRAMES AND SILLS MUST BE CONTINUOUS ACROSS ENTIRE UNIT.
2. ALLOWABLE DESIGN PRESSURE, UNIT SIZE & OTHER MULLION CONDITIONS OUTSIDE OF THOSE SHOWN SHALL BE SUBJECT TO SEPERATE JOB SPECIFIC ENGINEER'S REVIEW AND CERTIFICATION

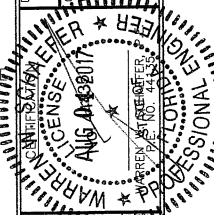
ALLOWABLE DESIGN PRESSURE (OXO UNIT WITH DIRECT SET TRANSOM)
+50/-50 PSF
NOTE: ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL DOOR.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 05/12/15
NO.	REVISION DESCRIPTION

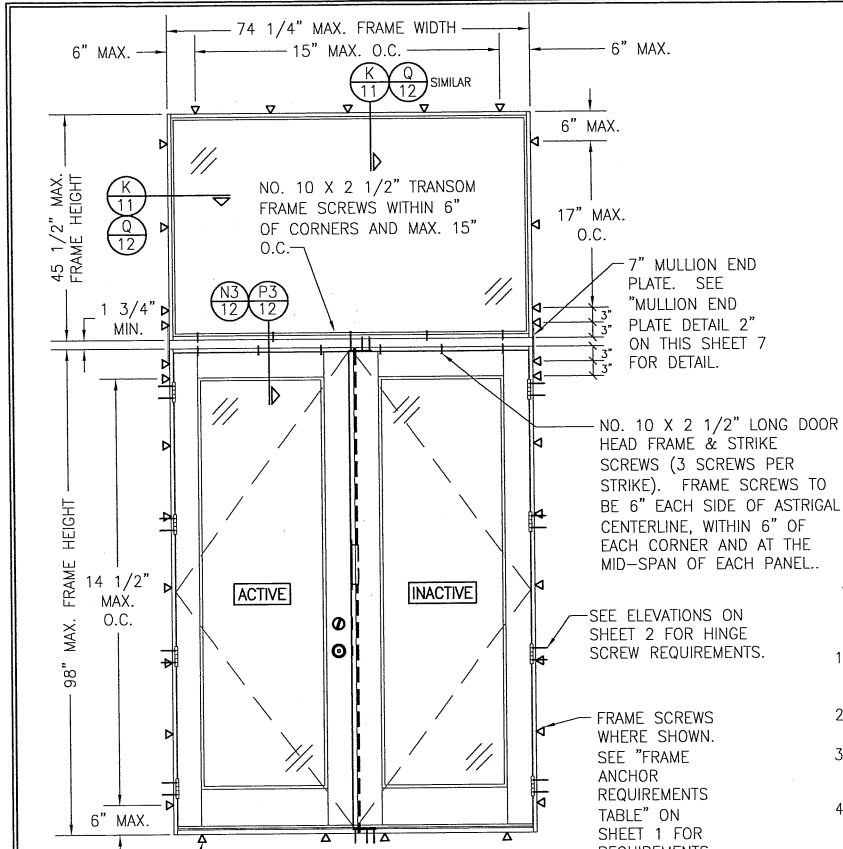
JOB INFORMATION:
SIGNATURE DOOR INC.
401 PRIORITY STREET
ALTOONA, PA. 16602
814-949-2770

CONSULTANTS:
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-4424

DRAWING TITLE:
8 FT. NON-IMPACT IN-SWING WOOD DOORS



DRAWN BY: W.W.S.	DATE: 05/12/15
1898	A
SHEET NO. 7 OF 16	



INTERIOR ELEVATION:
(DOUBLE DOOR WITH TRANSOM)

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

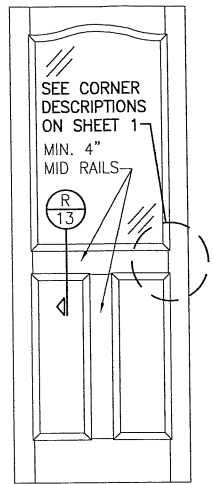
(RECTANGULAR TRANSOM SHOWN. RADIUS OR ANGLED TOP TRANSOM ALSO APPLIES.)

TRANSOM UNIT NOTES:

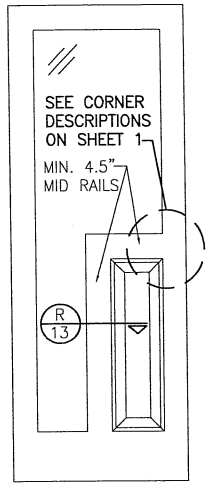
1. TRANSOM MAY BE A DIRECT SET OR SASH SET WINDOW.
2. ALLOWABLE DESIGN PRESSURE, UNIT SIZE & OTHER MULLION CONDITIONS OUTSIDE OF THOSE SHOWN SHALL BE SUBJECT TO SEPERATE JOB SPECIFIC ENGINEER'S REVIEW AND CERTIFICATION.
3. RECTANGULAR TRANSOM UNIT SHOWN. RADIUS AND ANGLED TOP TRANSOM ALSO APPLIES.
4. SEE INDIVIDUAL DOOR ELEVATIONS FOR DOOR DETAIL NOT SHOWN.

ALLOWABLE DESIGN PRESSURE (DOUBLE DOOR WITH TRANSOM)
+55/-65 PSF

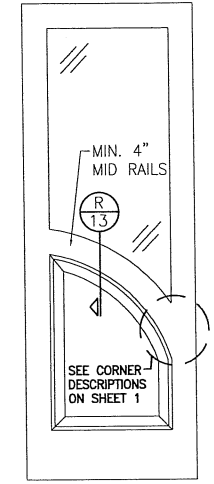
NOTE: ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL DOOR.



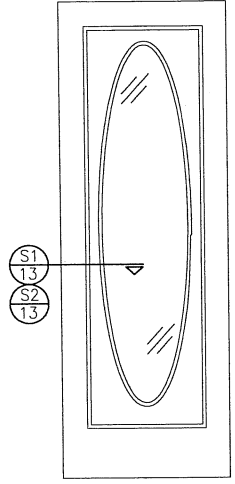
EXTERIOR ELEVATION
SOLID RAISED PANEL
WITH STANDARD MID
RAILS



EXTERIOR ELEVATION
SOLID RAISED PANEL
WITH CORNERED MID
RAILS



EXTERIOR ELEVATION
SOLID RAISED PANEL
WITH ARCHED/SHAPED
MID RAILS



EXTERIOR ELEVATION
RAISED PANEL WITH
GLASS GLAZED TO
PANEL

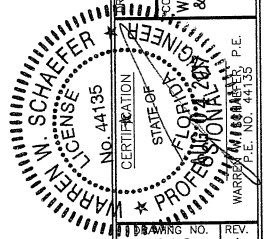
- 1) TOP & MID RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
- 2) MULTIPLE MID RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
- 3) PARTIAL PANEL CONDITION IS SHOWN ABOVE. FULL PANEL DOORS AND OTHER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

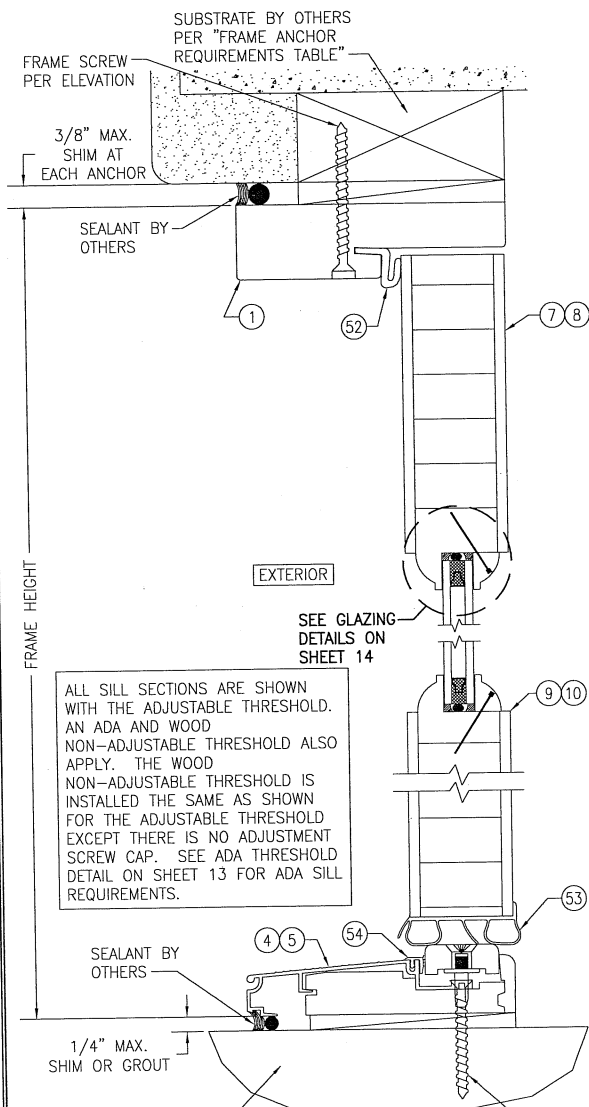
DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1-24	DATE:	06/12/15
NO.	REVISION	DESCRIPTION	BY

JOB INFORMATION:
SIGNATURE DOOR INC.
401 PRIORITY STREET
ALTOONA, PA 16602
814-949-2770

CONSULTANTS:
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6609)
7480 150TH COURT NORTH, 33418
PALM BEACH GARDENS, FL
PHONE: 561-744-3424



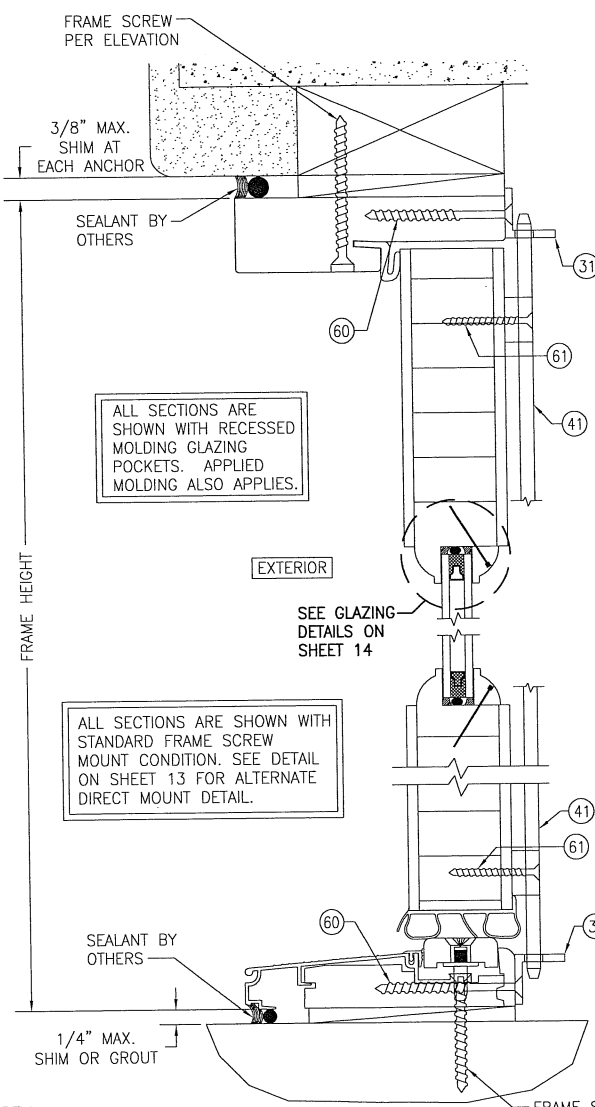
DRAWING NO.	REV.
1898	A
SHEET NO.	OF
8	16



SECTION A

SCALE: 1/2 FULL

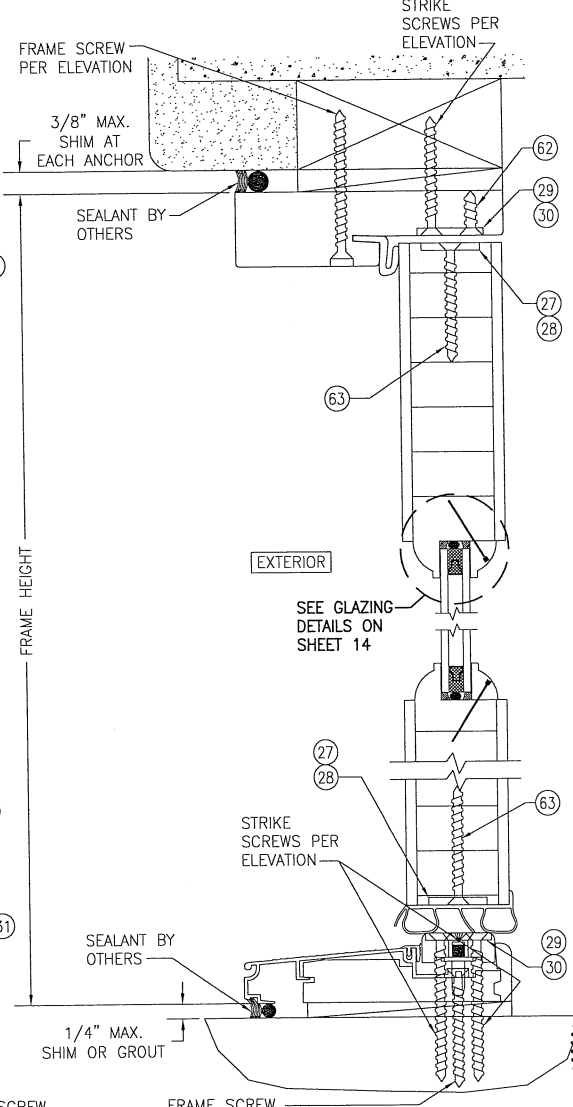
(ACTIVE PANEL WITH 3-POINT LOCK OR LATCH & DEADBOLT)



SECTION B

SCALE: 1/2 FULL

(ACTIVE PANEL WITH SURFACE BOLT)
(FOR DETAIL NOT SHOWN, SEE SECTION A/9)

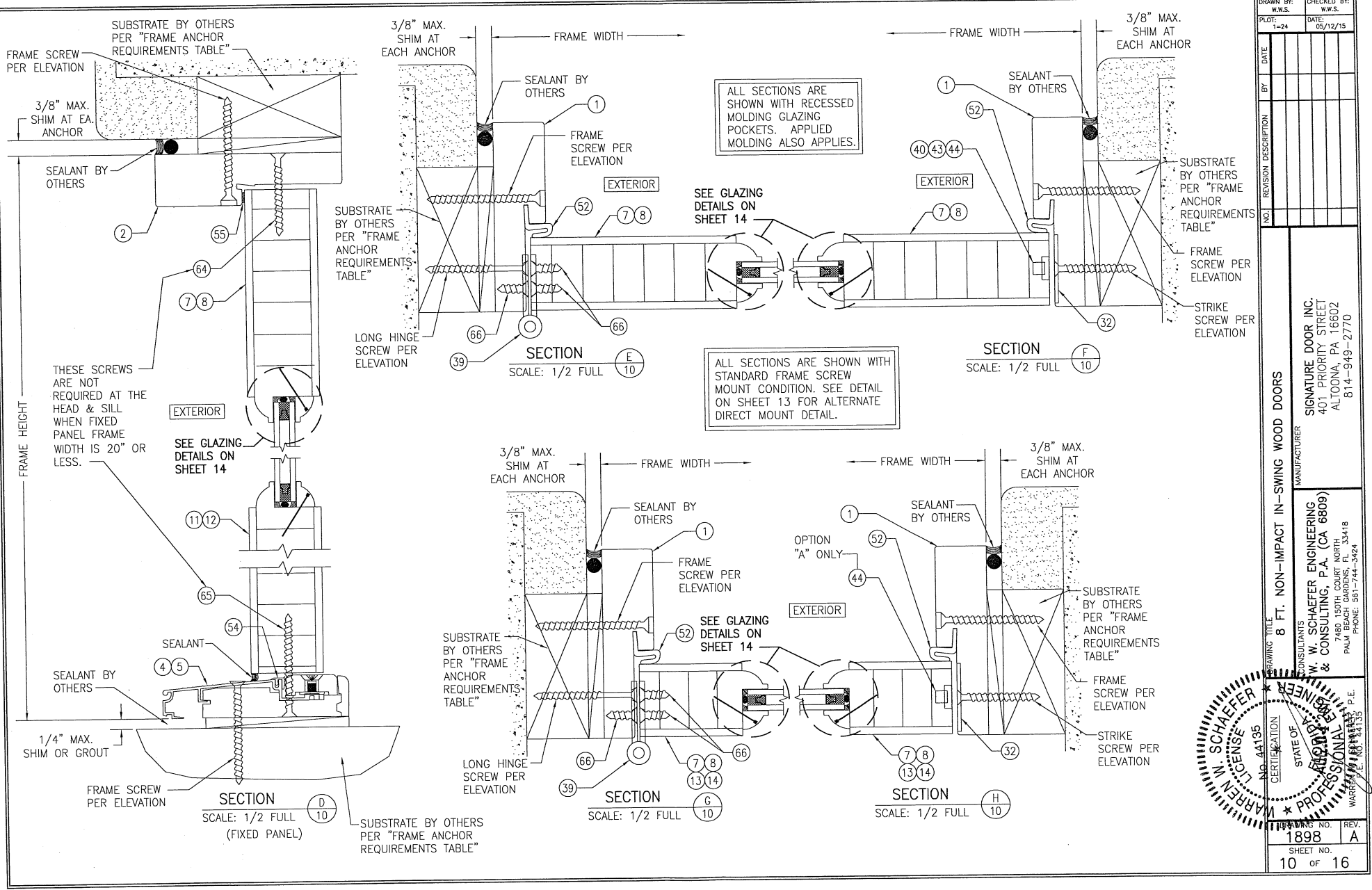


SECTION C

SCALE: 1/2 FULL

(ACTIVE PANEL WITH 5-POINT LOCK OR INACTIVE PANEL WITH 2-POINT LOCK)
(FOR DETAIL NOT SHOWN, SEE SECTION A/9)

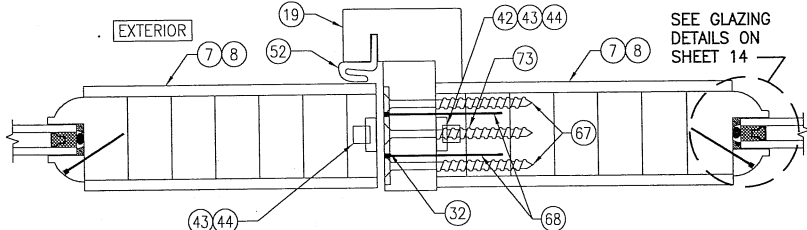
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 05/12/15	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 8 FT. NON-IMPACT IN-SWING WOOD DOORS			
MANUFACTURER SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16802 814-949-2770			
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH, 33418 PALM BEACH GARDENS, FL 33418 PHONE: 561-747-9424			
PROFESSIONAL ENGINEER W. SCHAEFER LICENSE NO. 44135 AUG 04 2017 STATE OF FLORIDA			
DRAWING NO. 1898		REV. A	
SHEET NO. 9		OF 16	



ALL SECTIONS ARE SHOWN WITH RECESSED MOLDING GLAZING POCKETS. APPLIED MOLDING ALSO APPLIES.

ALL SECTIONS ARE SHOWN WITH STANDARD FRAME SCREW MOUNT CONDITION. SEE DETAIL ON SHEET 13 FOR ALTERNATE DIRECT MOUNT DETAIL.

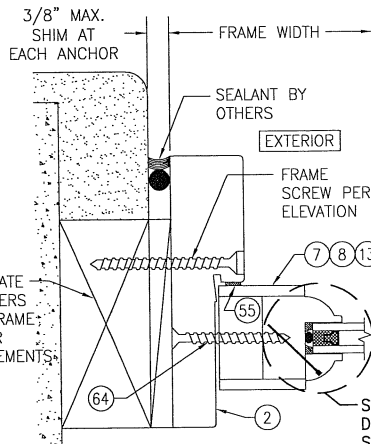
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 05/12/15	
NO.	REVISION DESCRIPTION	DATE	BY
8 FT. NON-IMPACT IN-SWING WOOD DOORS			
MANUFACTURER			
SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770			
CONSULTANTS			
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH, SUITE 118 PALM BEACH GARDENS, FL 33418 PALM BEACH, FL 33418 PHONE: 561-744-3424			
STATE OF FLORIDA			
WARRREN W. SCHAEFER, P.E. LICENSE NO. 44195			
PROFESSIONAL ENGINEER			
DRAWING NO.		REV.	
1898		A	
SHEET NO.		10 OF 16	



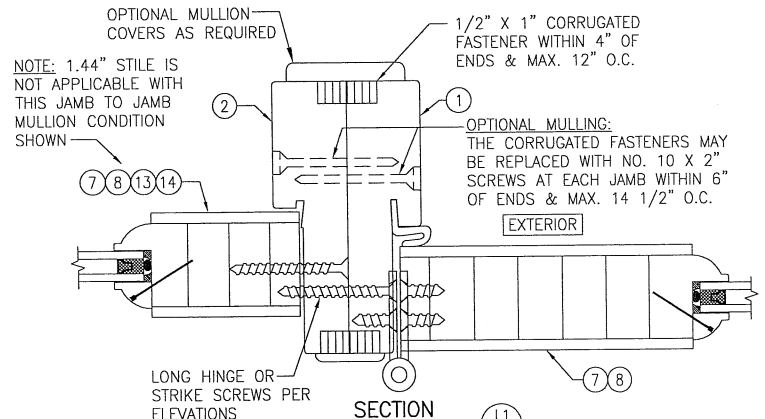
SECTION J
SCALE: 1/2 FULL

ALL SECTIONS ARE SHOWN WITH RECESSED MOLDING GLAZING POCKETS. APPLIED MOLDING ALSO APPLIES.

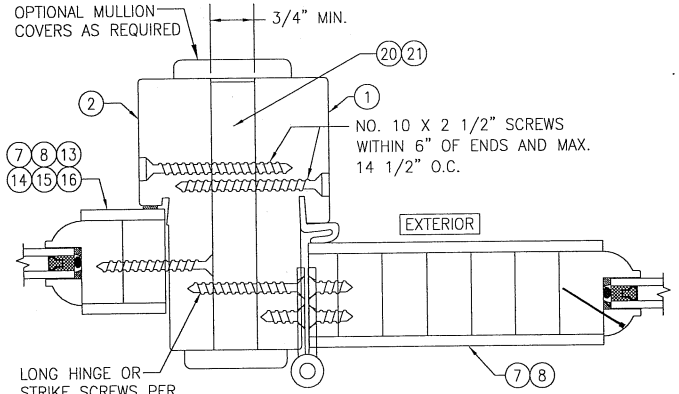
ALL SECTIONS ARE SHOWN WITH STANDARD FRAME SCREW MOUNT CONDITION. SEE DETAIL ON SHEET 13 FOR ALTERNATE DIRECT MOUNT DETAIL.



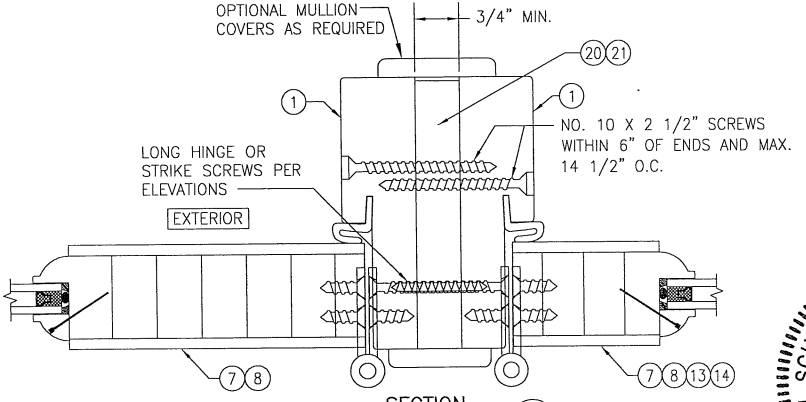
SECTION K
SCALE: 1/2 FULL



SECTION L1
SCALE: 1/2 FULL
(FIXED SIDELITE TO ACTIVE DOOR)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

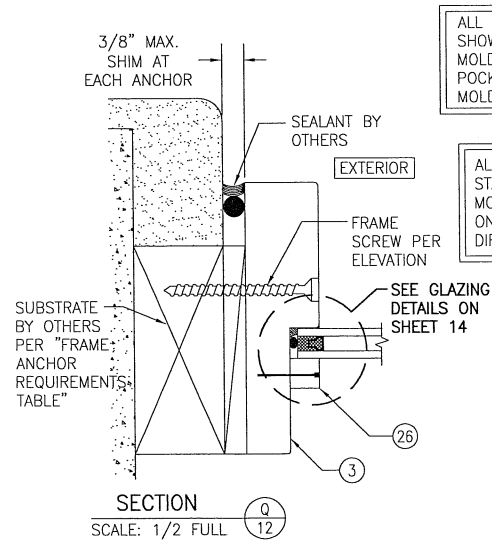
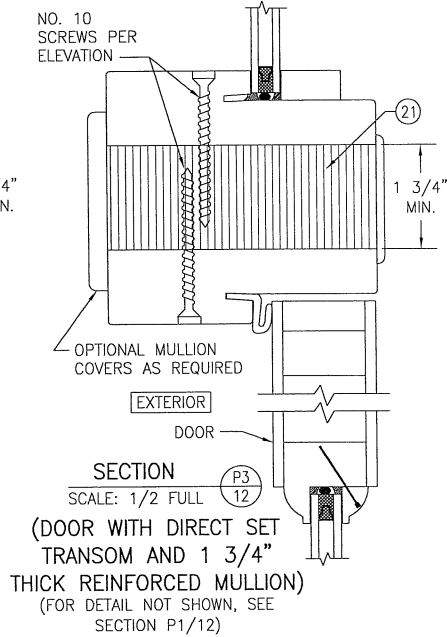
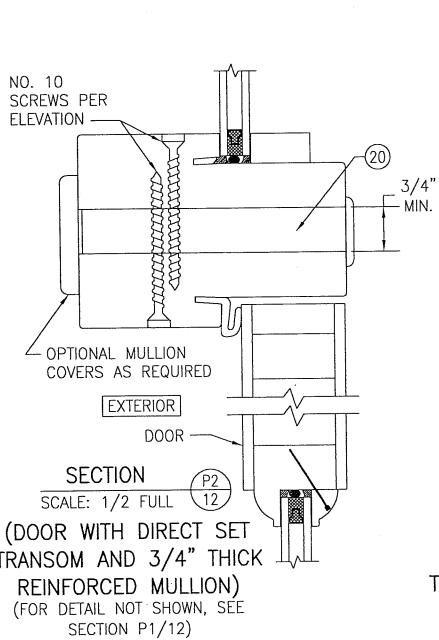
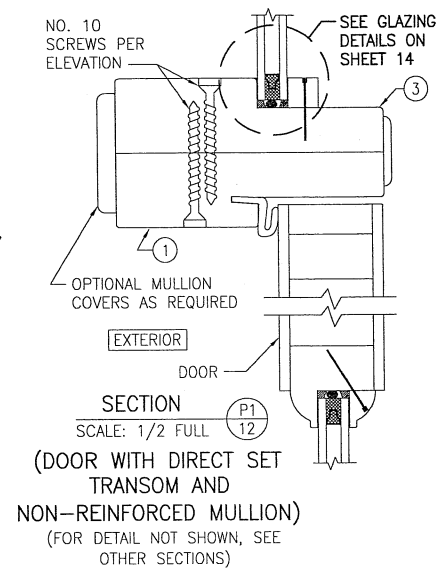
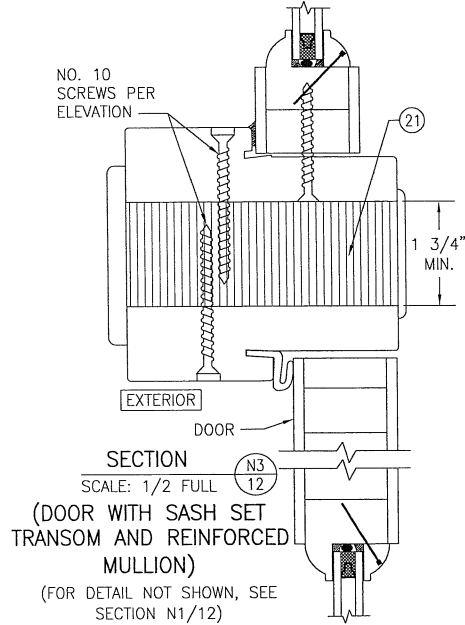
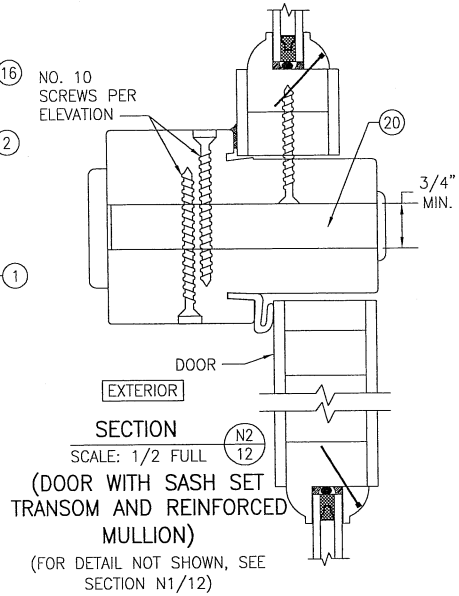
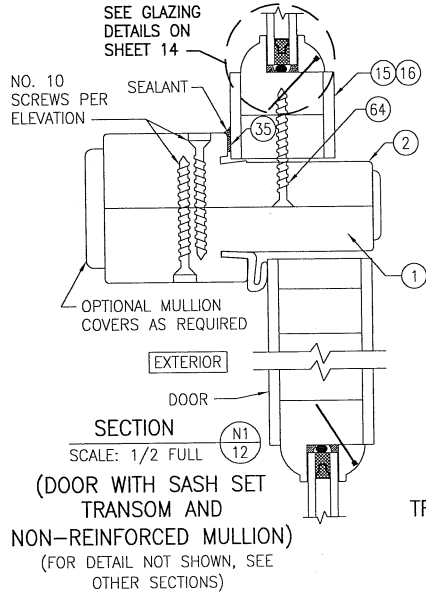


SECTION L2
SCALE: 1/2 FULL
(FIXED SIDELITE TO ACTIVE DOOR)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION M
SCALE: 1/2 FULL
(ACTIVE DOOR TO ACTIVE DOOR OR ACTIVE SIDELITE)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

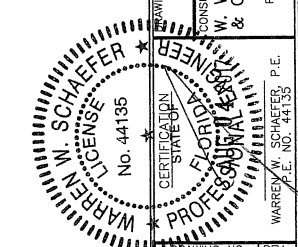
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLT: 1-24		DATE: 05/12/15	
NO.	REVISION	DESCRIPTION	
DRAWING TITLE: 8 FT. NON-IMPACT IN-SWING WOOD DOORS			
CONSULTANTS		MANUFACTURER	
W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		SIGNATURE DOOR INC.	
1400 W. PALM BEACH BLVD., SUITE 33418		401 PRIORITY STREET	
PALM BEACH GARDENS, FL 33418		ALTOONA, PA 16602	
PHONE: 561-744-3424		814-949-2770	
FRAME NO.		REV.	
1898		A	
SHEET NO.			
11		OF 16	

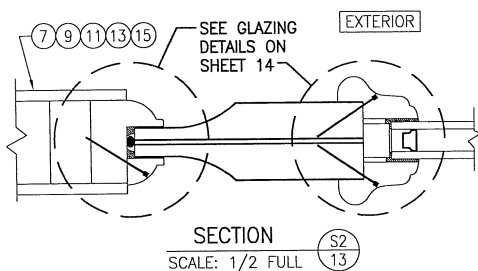
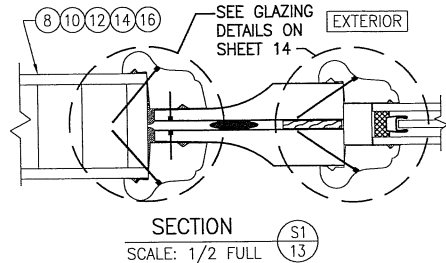
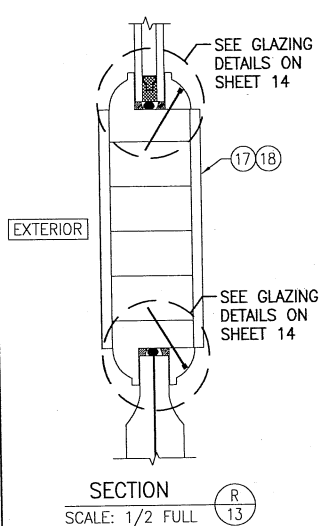


ALL SECTIONS ARE SHOWN WITH RECESSED MOLDING GLAZING POCKETS. APPLIED MOLDING ALSO APPLIES.

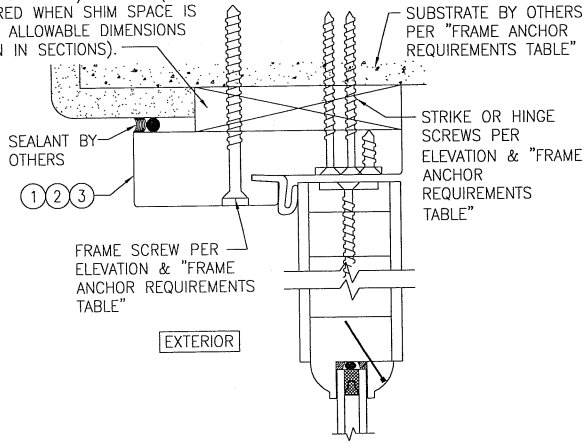
ALL SECTIONS ARE SHOWN WITH STANDARD FRAME SCREW MOUNT CONDITION. SEE DETAIL ON SHEET 13 FOR ALTERNATE DIRECT MOUNT DETAIL.

DRAWING BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 05/12/15	
DATE	BY	NO.	REVISION DESCRIPTION
DRAWING TITLE: 8 FT. NON-IMPACT IN-SWING WOOD DOORS			
MANUFACTURER			
SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770			
CONSULTANTS			
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 744 JUDSON STREET, FORT PAUL, BEACH, FL 33418 PHONE: 561-744-3424			
CERTIFICATION			
WARREN W. SCHAEFER, P.E. No. 44135			
DRAWING NO. 1898			
SHEET NO. 12 OF 16			



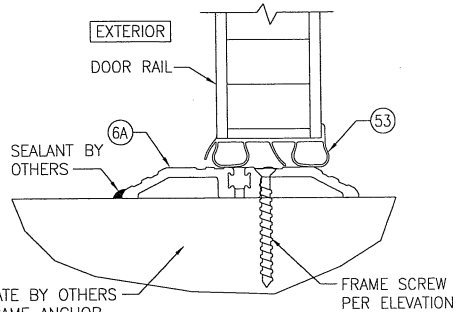


CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 3 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).

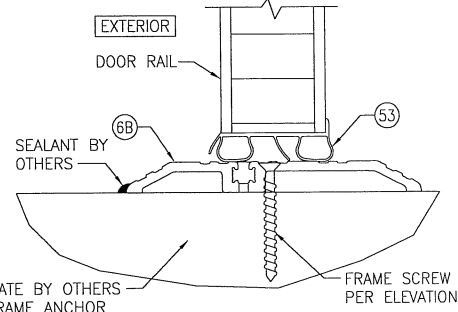


OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(DIRECT MOUNT CONDITION IS NOT APPLICABLE AT SILL)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



ALTERNATE 4" ADA THRESHOLD
(MAY REPLACE ADJUSTABLE THRESHOLD SHOWN IN ALL SECTIONS)



ALTERNATE 5" ADA THRESHOLD
(MAY REPLACE ADJUSTABLE THRESHOLD SHOWN IN ALL SECTIONS)

ADA THRESHOLD NOTES (4" & 5" THRESHOLDS):

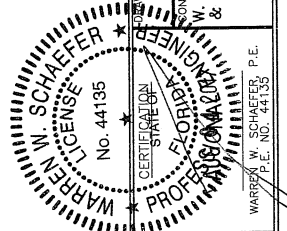
1. SURFACE BOLT LOCKS MAY NOT BE USED WHEN THE 4" ADA THRESHOLD IS USED. THEREFORE, LOCK OPTION 2 MAY NOT BE USED WITH A 4" ADA SILL.
2. WHEN A SURFACE BOLT LOCK IS USED WITH THE 5" THRESHOLD, THE THRESHOLD SHALL BE POSITIONED TO ALLOW FOR THE BOLT TO STRIKE THE FLAT TOP SURFACE OF THE THRESHOLD.
3. WHEN AN ADA THRESHOLD IS USED, SILL LOCK STRIKES ARE NOT NECESSARY & LOCK BOLTS SHALL STRIKE DIRECTLY INTO THE THRESHOLD. LONG STRIKE SCREWS SPECIFIED IN THE ELEVATIONS SHALL BE REPLACED WITH 2 ADDITIONAL FRAME/SILL ANCHORS SUCH THAT A TOTAL OF 4 ANCHORS EXIST POSITIONED 3" & 6" OFF EACH SIDE OF THE MEETING STILE CENTERLINE.

DRAWN BY:	W.M.S.	CHECKED BY:	W.M.S.
PLOT:	1=24	DATE:	05/12/15

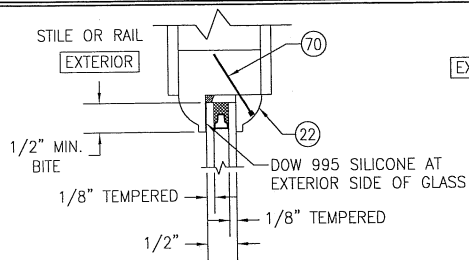
NO.	REVISION DESCRIPTION	BY	DATE

8 FT. NON-IMPACT IN-SWING WOOD DOORS
MANUFACTURER
SIGNATURE DOOR INC.
401 PRIORITY STREET
ALTOONA, PA 16602
814-949-2770

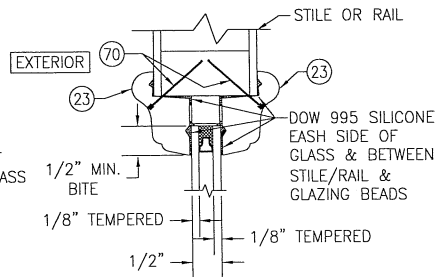
CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
3070 W. W. SCHAEFER, P.E.
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424



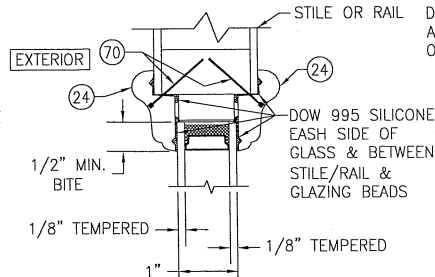
DRAWING NO.	REV.
1898	A
SHEET NO.	13 OF 16



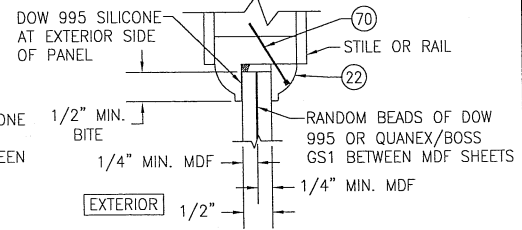
TYPICAL GLAZING DETAIL 1
(1/2" I.G. GLASS IN PANEL WITH RECESSED MOLDING)



TYPICAL GLAZING DETAIL 2
(1/2" I.G. GLASS IN PANEL WITH APPLIED MOLDING)

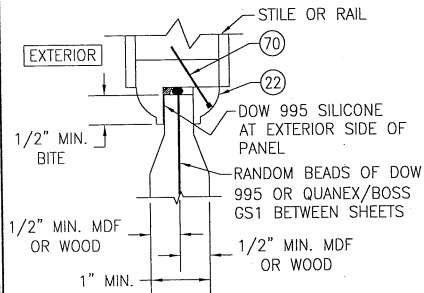


TYPICAL GLAZING DETAIL 3
(1" I.G. GLASS IN PANEL WITH APPLIED MOLDING)
(INSERTION OF DECO GLASS MAY APPLY)

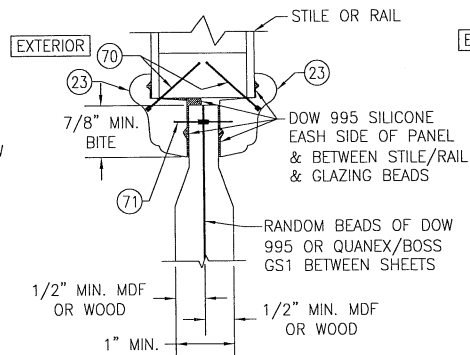


TYPICAL GLAZING DETAIL 4
(1/2" FLAT PANEL WITH RECESSED MOLDING)

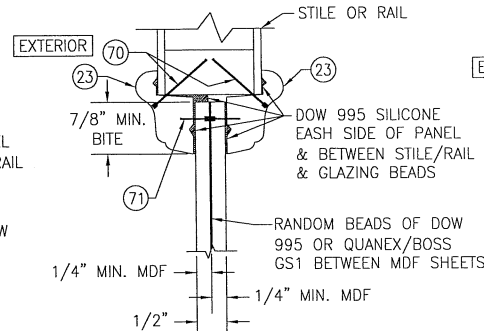
NOTE: EXPOSED SURFACE AREA OF 1/2" FLAT PANEL BETWEEN STILES AND RAILS MAY NOT EXCEED 600 SQ. INCHES.



TYPICAL GLAZING DETAIL 5
(RAISED PANEL WITH RECESSED MOLDING)

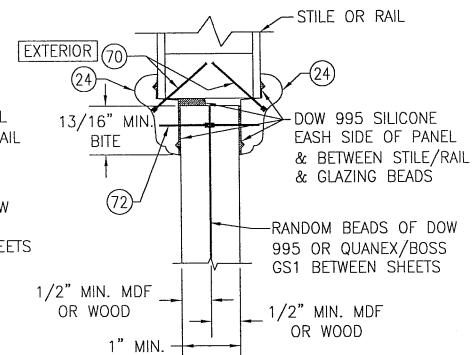


TYPICAL GLAZING DETAIL 6
(RAISED PANEL WITH APPLIED MOLDING)



TYPICAL GLAZING DETAIL 7
(1/2" FLAT PANEL WITH APPLIED MOLDING)

NOTE: EXPOSED SURFACE AREA OF 1/2" FLAT PANEL BETWEEN STILES AND RAILS MAY NOT EXCEED 600 SQ. INCHES.



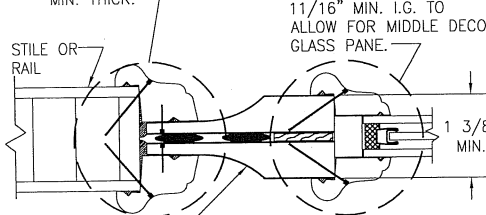
TYPICAL GLAZING DETAIL 8
(1" FLAT PANEL WITH APPLIED MOLDING)

SEE GLAZING DETAIL 6 FOR DETAIL EXCEPT RAISED PANEL IS 1 3/8" MIN. THICK.

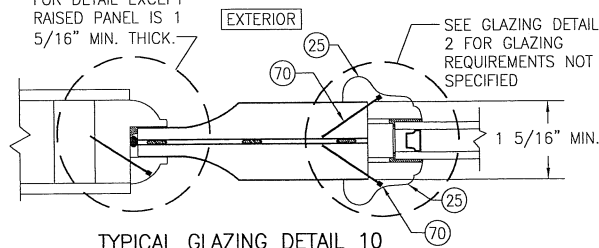
SEE GLAZING DETAIL 3 FOR DETAIL EXCEPT GLASS IS 1 1/16" MIN. I.G. TO ALLOW FOR MIDDLE DECO GLASS PANE.

SEE GLAZING DETAIL 5 FOR DETAIL EXCEPT RAISED PANEL IS 1 5/16" MIN. THICK.

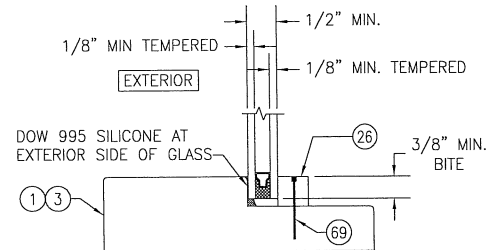
SEE GLAZING DETAIL 2 FOR GLAZING REQUIREMENTS NOT SPECIFIED



TYPICAL GLAZING DETAIL 9
(RAISED PANEL WITH GLASS CUT-OUT IN DOOR WITH APPLIED MOLDING)

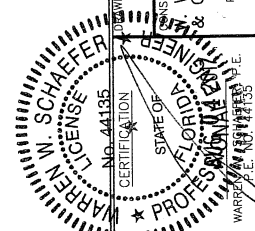


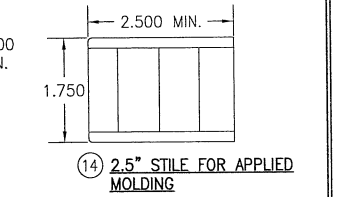
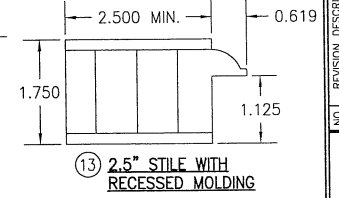
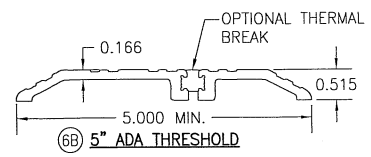
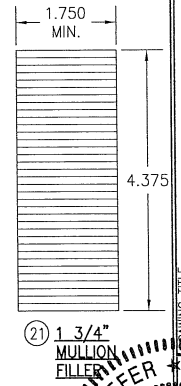
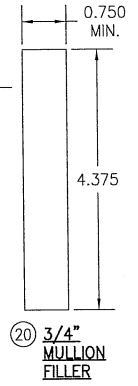
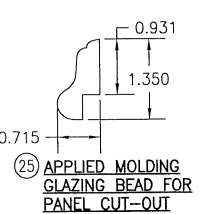
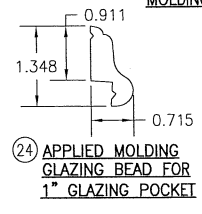
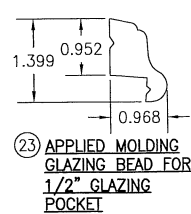
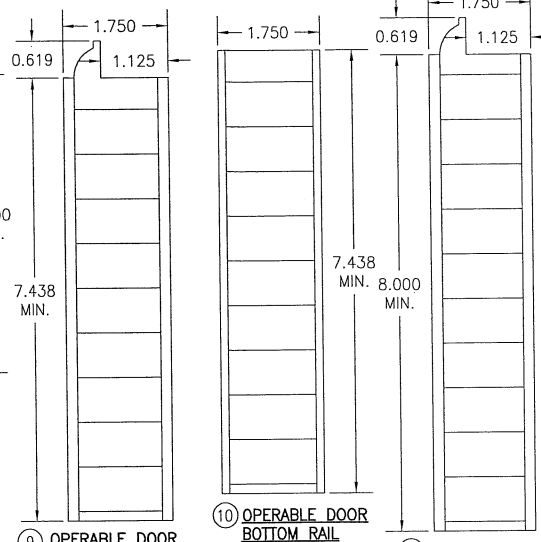
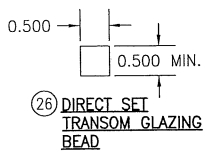
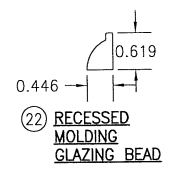
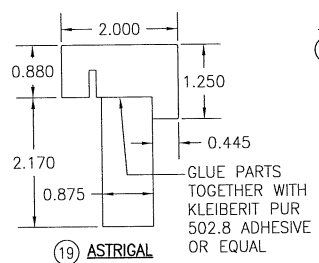
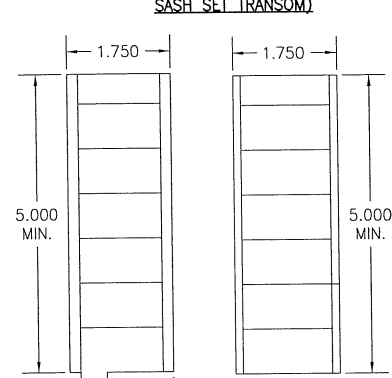
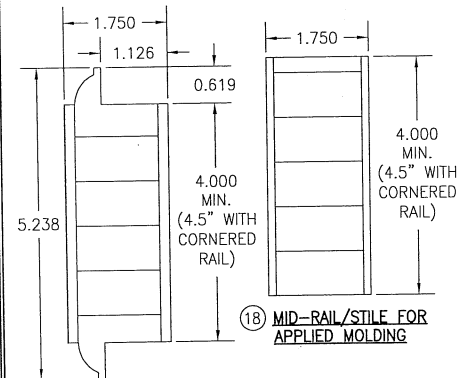
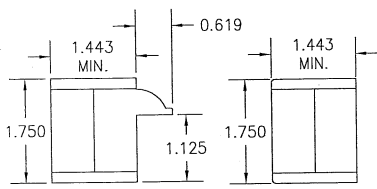
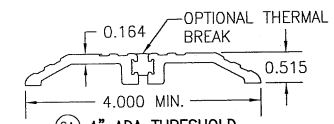
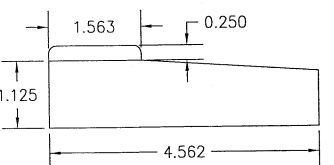
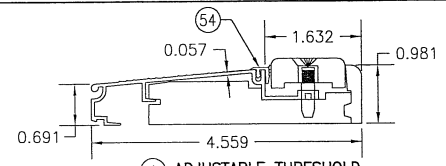
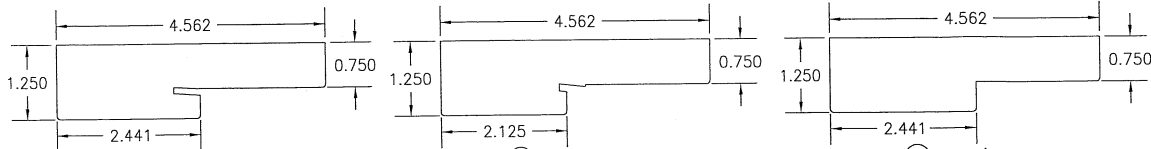
TYPICAL GLAZING DETAIL 10
(RAISED PANEL WITH GLASS CUT-OUT IN DOOR WITH RECESSED MOLDING)



TYPICAL GLAZING DETAIL 11
(DIRECT GLAZE TRANSOM)

DRAWN BY: W.M.S.		CHECKED BY: W.M.S.	
FLGT. 1=24		DATE: 05/12/15	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: 8 FT. NON-IMPACT IN-SWING WOOD DOORS			
MANUFACTURER: SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770			
CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 130TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING NO. 1898			
SHEET NO. 14 OF 16			
REV. A			



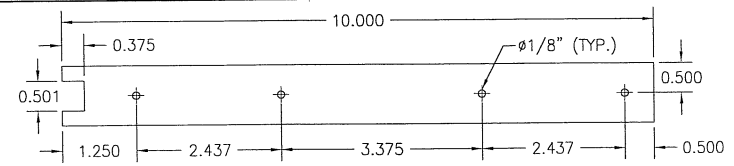


DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 05/12/15
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE 8 FT. NON-IMPACT IN-SWING WOOD DOORS	
MANUFACTURER SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 SOUTH RIVER ROAD CAROLINE, FL 33418 PALM PHONE: 561-744-3424	
DRAWING NO.	REV.
1898	A
SHEET NO.	15 of 16

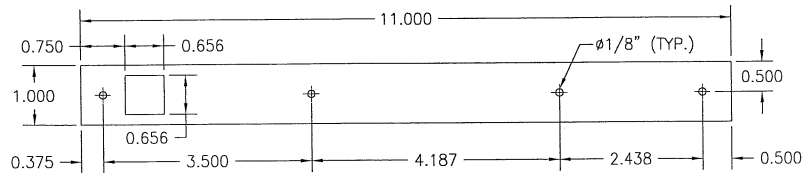
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB/FRAME (OPERABLE DOOR)	SOLID OR FINGER JOINTED WOOD (LAMINATED WITH CURVED JAMB)
2	JAMB/FRAME (FIXED PANEL DOOR & SASH SET TRANSOM)	SOLID OR FINGER JOINTED WOOD (LAMINATED WITH CURVED JAMB)
3	JAMB/FRAME (DIRECT SET TRANSOM)	SOLID OR FINGER JOINTED WOOD (LAMINATED WITH CURVED JAMB)
4	ADJUSTABLE THRESHOLD	ALUMINUM WITH WOOD BASE
5	NON-ADJUSTABLE WOOD THRESHOLD	WOOD
6A	4" ADA THRESHOLD	ALUMINUM
6B	5" ADA THRESHOLD	ALUMINUM
7	TOP RAILS & 5" STILES WITH RECESSED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
8	TOP RAILS & 5" STILES FOR APPLIED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
9	OPERABLE DOOR BOTTOM RAIL WITH RECESSED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
10	OPERABLE DOOR BOTTOM RAIL FOR APPLIED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
11	FIXED PANEL BOTTOM RAIL WITH RECESSED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
12	FIXED PANEL BOTTOM RAIL FOR APPLIED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
13	2.5" STILE WITH RECESSED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
14	2.5" STILE FOR APPLIED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
15	1.44" STILE WITH RECESSED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
16	1.44" STILE FOR APPLIED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
17	MID-RAIL/STILE WITH RECESSED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
18	MID-RAIL/STILE FOR APPLIED MOLDING	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
19	ASTRIGAL	WOOD
20	3/4" MULLION FILLER	OAK
21	1 3/4" MULLION FILLER	LVL OR LAMINATED RED OAK CORE
22	RECESSED MOLDING GLAZING BEAD	WOOD
23	APPLIED MOLDING GLAZING BEAD FOR 1/2" GLAZING POCKET	WOOD
24	APPLIED MOLDING GLAZING BEAD FOR 1" GLAZING POCKET	WOOD
25	APPLIED MOLDING GLAZING BEAD FOR PANEL CUT-OUT	WOOD
26	DIRECT SET TRANSOM GLAZING BEAD	WOOD
27	ACTIVE PANEL STILE REINFORCEMENT (STAINLESS STEEL)	STAINLESS STEEL
28	INACTIVE PANEL STILE REINFORCEMENT	STAINLESS STEEL
29	HEAD & SILL STRIKE PLATE	STAINLESS STEEL
30	HEAD & SILL STRIKE PLATE	STAINLESS STEEL
31	SURFACE BOLT STRIKE ANGLE	AS SUPPLIED WITH SURFACE BOLT
32	LOCK SIDE STRIKE PLATE	AS SUPPLIED WITH LOCK SYSTEMS
HARDWARE		
39	4" X 4" BUTT HINGE (STEEL, STAINLESS STEEL OR BRASS)	PENROD M15478 BALL BEARING OR BALDWIN 1041.150
40	LATCH & DEADBOLT	OPTION A: SCHLAGE F10 KNOB & B60N DEADBOLT OPTION B: KWIKSET SIGNATURE SERIES KNOB & 980 DEADBOLT OPTION C: WESLOCK TRADITIONALE KNOB & 671 DEADBOLT
41	SURFACE BOLT	IVES 453
42	2-POINT INACTIVE PANEL LOCK SYSTEM	OPTION A: TRUTH SENTRY LEVER ACTIVATED OPTION B: HOPPE HLS9000 HANDLE ACTIVATED OPTION C: GU EUROPA HANDLE ACTIVATED
43	5-POINT ACTIVE PANEL LOCK SYSTEM	OPTION A: TRUTH SENTRY TONGUE OPTION B: HOPPE HLS9000 OPTION C: GU RHINO
44	3-POINT ACTIVE PANEL LOCK SYSTEM	OPTION A: TRUTH SENTRY TONGUE OPTION B: HOPPE HLS9000 OPTION C: GU RHINO
SEALS & SEALANTS		
52	WEATHERSTRIP	HOLM INDUSTRIES JF65814 FOAM
53	DOOR SWEEP	IMPERIAL FBS30B/FBS36B PVC
54	ADJUSTABLE SILL WEATHERSTRIP	AS SUPPLIED WITH SILL
55	1/16" X 1/4" SINGLE SIDED GLAZING TAPE	FOAM
FASTENERS		
60	NO. 10 X 2 1/2" PFH WOOD OR SMS SCREW	2 PER SURFACE BOLT STRIKE ANGLE
61	NO. 8 X 1 1/4" PFH WOOD OR SMS SCREW	2 PER SURFACE BOLT STRIKE ANGLE
62	NO. 8 X 3/4" WOOD OR SMS SCREW	2 PER LOCK STRIKE PART NO. 29
63	NO. 10 X 2" PFH SMS SCREW	4 PER REINFORCEMENT PLATE
64	NO. 8 X 2" DRYWALL SCREW	WITHIN 6" OF CORNERS AND 16" MAX. O.C.
65	NO. 8 X 2 1/2" DRYWALL SCREW	WITHIN 6" OF CORNERS AND 16" MAX. O.C.
66	NO. 8 X 3/4" PFH WOOD OR SMS SCREW	2 PER JAMB SIDE LEAF; 4 PER PANEL SIDE LEAF
67	NO. 10 X 2 1/2" PFH WOOD OR SMS SCREW	2 AT EACH END OF ASTRIGAS 2" FROM ENDS
68	1B GAGE X 2" BRAD NAIL	WITHIN 4" OF ENDS AND 8" MAX. O.C.
69	1B GAGE X 1 1/8" BRAD NAIL	WITHIN 2" OF CORNERS AND 8" MAX. O.C.
70	1B GAGE X 1 1/8" BRAD NAIL	WITHIN 2" OF CORNERS AND 8" MAX. O.C.
71	1B GAGE X 1/2" BRAD NAIL	WITHIN 1 1/2" OF CORNERS AND 5" MAX. O.C.
72	1B GAGE X 3/4" BRAD NAIL	WITHIN 1 1/2" OF CORNERS AND 5" MAX. O.C.
73	NO. 10 X 2 1/2" PFH WOOD OR SMS SCREW	2 PER LOCK STRIKE PLATE

NOTE: SOLID WOOD MEMBERS USED IN TESTING WERE 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.

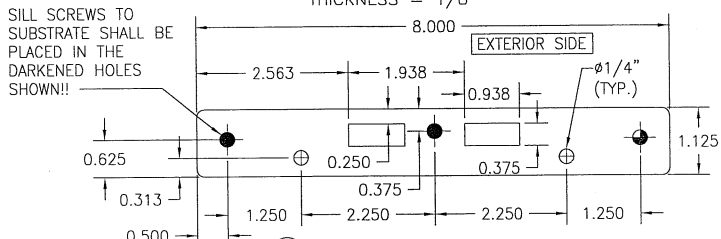
THE GU AND HOPPE 2-POINT LOCKS ARE NOT APPLICABLE AS PART OF LOCK SYSTEMS 1 & 2 (CAN NOT BE USED WHEN A LATCH & DEADBOLT SYSTEM IS IN THE ACTIVE PANEL)



27 ACTIVE PANEL STILE REINFORCEMENT
THICKNESS = 1/8"

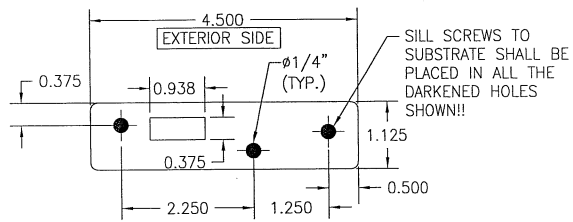


28 INACTIVE PANEL STILE REINFORCEMENT
THICKNESS = 1/8"



29 HEAD & SILL STRIKE PLATE
THICKNESS = 1/8"

USED WITH COMBINED 5-POINT ACTIVE PANEL & 2-POINT INACTIVE PANEL LOCK SYSTEMS



30 HEAD & SILL STRIKE PLATE
THICKNESS = 1/8"

USED WITH 2-POINT ONLY INACTIVE PANEL LOCK SYSTEMS

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 05/12/15
BY:	DATE:
NO.	REVISION DESCRIPTION:
DRAWING TITLE 8 FT. NON-IMPACT IN-SWING WOOD DOORS	
MANUFACTURER SIGNATURE DOOR INC. 401 PRIORITY STREET ALTOONA, PA. 16802 814-949-2770	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 USDR COURT NORTH PALM BEACH, FL 33418 PHONE: 561-744-3424	
CERTIFICATION No. 44135 WARREN W. SCHAEFER P.E. No. 44135	
DRAWING NO. 1898	REV. A
SHEET NO. 16 OF 16	