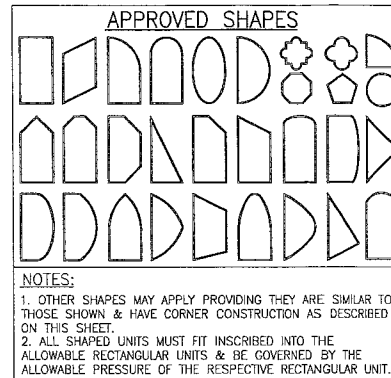
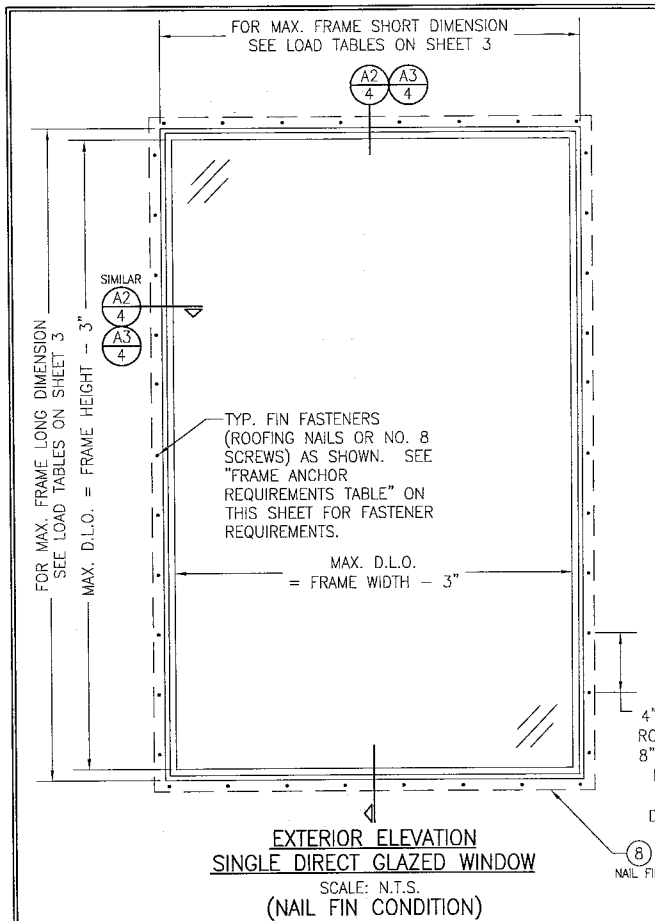
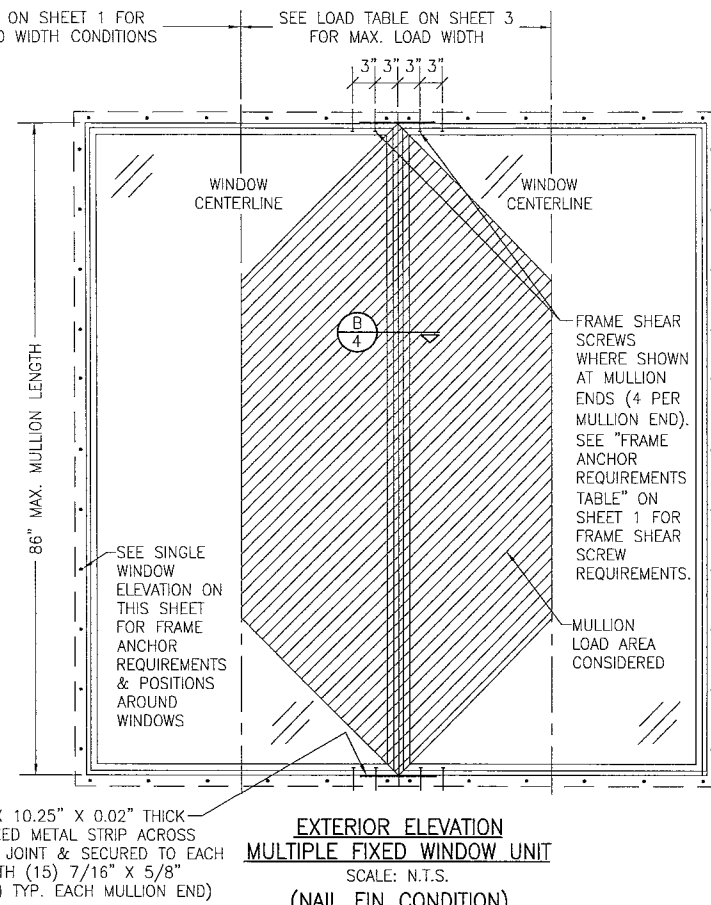




RECTANGULAR WINDOWS SHOWN.
ANCHORING OF SHAPED WINDOWS IS
THE SAME WITH REQUIRED ANCHOR
SPACING ALONG THE FRAME
CIRCUMFERENCE BEING THE SAME AS
SPECIFIED FOR A STRAIGHT FRAME.

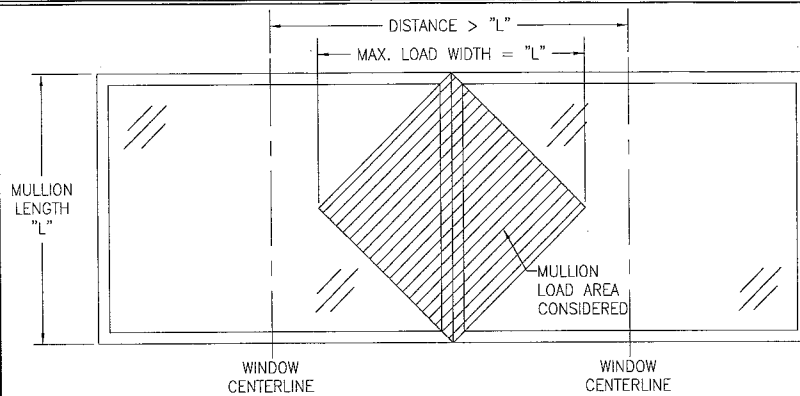


(FOR MULTIPLE WINDOW UNIT NOTES, SEE ELEVATION ON SHEET 1)

FRAME ANCHOR REQUIREMENTS TABLE

NAILING FIN & DRIP CAP			
OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/4" SMS	1 1/8"	1/2"
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	2" X 11 GA. ROOFING NAIL	1 7/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"

DRAWN BY: W.E.M.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 02/13/07	
DATE	BY	REVISION DESCRIPTION	NO.
FEEL SAFE ENERGY SAVER CLAD DIRECT SET IMPACT WINDOWS MANUFACTURER SIERRA PACIFIC WINDOWS 575 S. WHELAN AVE. MEDFORD, WI 54451 800-433-4873			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE 561-744-3424			
DRAWING TITLE W. W. SCHAEFER No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER			
CERTIFICATION JAW 27 2016 W. W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1515		REV. C	
SHEET NO. 2		OF 5	



MULLED DIAGRAM WHEN DISTANCE BETWEEN WINDOW CENTERLINES EXCEEDS MULLION LENGTH
(SEE MULLION LOAD TABLE)
SEE OTHER ELEVATIONS FOR WINDOW DETAIL NOT SHOWN

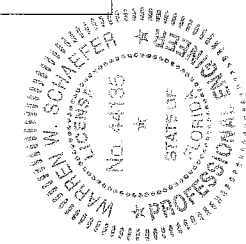
MULLION ALLOWABLE LOAD TABLE									
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)							
		SHEAR SCREW MOUNT CONDITION						NAIL FIN MOUNT CONDITION	
		4 END		6 END		4 END			
		FRAME	SCREWS	FRAME	SCREWS	FRAME	SCREWS		
		POS.	NEG.	POS.	NEG.	POS.	NEG.		
86	62	56.3	58.8	56.3	60.7	56.3	60.7		
	60	57.4	59.7	57.4	61.9	57.4	61.9		
	54	61.4	62.9	61.4	66.2	61.4	66.2		
	50	65.0	65.7	65.0	70.0	65.0	70.0		
	48	65.0	67.4	65.0	71.7	65.0	71.7		
	42	65.0	73.4	65.0	78.2	65.0	78.2		
	36	65.0	81.9	65.0	85.0	65.0	85.0		
	34	65.0	85.0	65.0	85.0	65.0	85.0		
84	62	59.6	61.0	59.6	64.1	59.6	64.1		
	60	60.8	61.9	60.8	65.5	60.8	65.5		
	54	64.4	65.1	64.4	69.4	64.4	69.4		
	48	65.0	69.6	65.0	74.1	65.0	74.1		
	42	65.0	75.8	65.0	80.7	65.0	80.7		
	36	65.0	84.4	65.0	85.0	65.0	85.0		
78	62	65.0	68.8	65.0	73.3	65.0	73.3		
	60	65.0	69.6	65.0	74.1	65.0	74.1		
	54	65.0	72.8	65.0	77.5	65.0	77.5		
	48	65.0	77.3	65.0	82.4	65.0	82.4		
	42	65.0	83.7	65.0	85.0	65.0	85.0		
72	62	65.0	78.9	65.0	84.0	65.0	84.0		
	60	65.0	79.5	65.0	84.7	65.0	84.7		
	54	65.0	82.5	65.0	85.0	65.0	85.0		
	48	65.0	85.0	65.0	85.0	65.0	85.0		
66	62	65.0	85.0	65.0	85.0	65.0	85.0		
LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT ALLOWED FOR THE INDIVIDUAL WINDOW SHALL CONTROL AS ALLOWABLE FOR THE OVERALL UNIT.									

LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT ALLOWED FOR THE INDIVIDUAL WINDOW SHALL CONTROL AS ALLOWABLE FOR THE OVERALL UNIT.

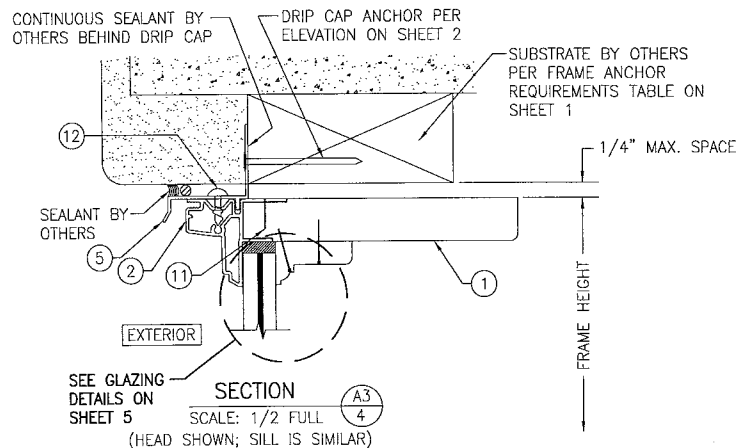
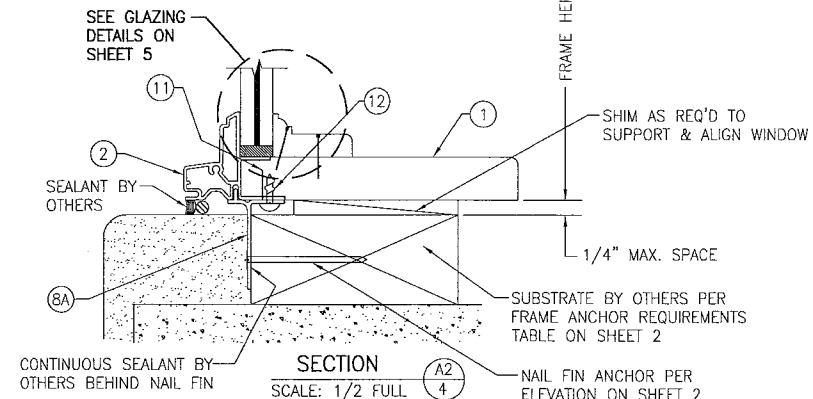
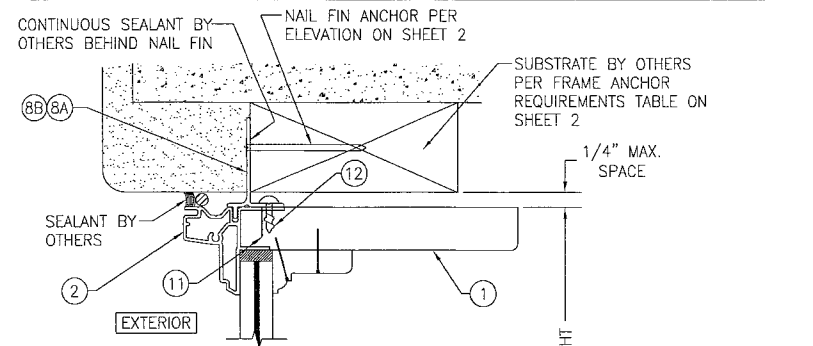
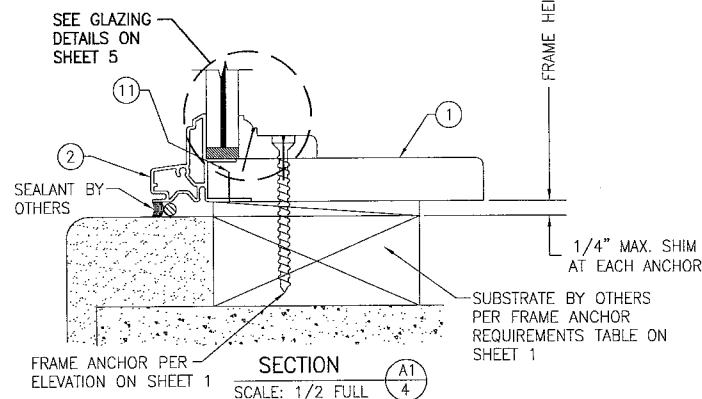
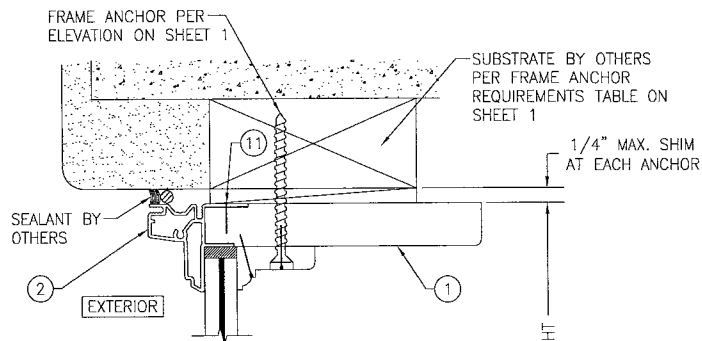
ALLOWABLE SINGLE WINDOW DESIGN PRESSURE									
MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)							
		GLASS OPTION 1 & 2		GLASS OPTION 3		GLASS OPTION 4 & 5		GLASS OPTION 6	
		POS	NEG	POS	NEG	POS	NEG	POS	NEG
144	42	65.0	85.0			65.0	85.0		
	30	65.0	85.0			65.0	85.0	65.0	70.0
	20	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
132	46	65.0	85.0			65.0	85.0		
	32	65.0	85.0			65.0	85.0	65.0	70.0
	22	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
120	48	65.0	85.0			65.0	85.0		
	36	65.0	85.0			65.0	85.0	61.9	61.9
	30	65.0	85.0			65.0	85.0	65.0	70.0
108	24	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	54	65.0	85.0			65.0	85.0		
	36	65.0	85.0			65.0	85.0	65.0	70.0
98	27	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0		
	42	65.0	85.0			65.0	85.0	58.4	58.4
90	36	65.0	85.0			65.0	85.0	65.0	70.0
	30	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0		
86	48	65.0	85.0			65.0	85.0	58.5	58.5
	42	65.0	85.0			65.0	85.0	64.5	64.5
	36	65.0	85.0			65.0	85.0	65.0	70.0
86	32	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0		
	50	65.0	85.0			65.0	85.0	60.2	60.2
78	48	65.0	85.0			65.0	85.0	61.8	61.8
	42	65.0	85.0			65.0	85.0	65.0	67.7
	36	65.0	85.0			65.0	85.0	65.0	70.0
72	34	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0		
	54	65.0	85.0			65.0	85.0	65.0	65.3
64	48	65.0	85.0			65.0	85.0	65.0	69.5
	42	65.0	85.0			65.0	85.0	65.0	70.0
	38	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
64	62	65.0	85.0			65.0	85.0		
	60	65.0	85.0			65.0	85.0	65.0	66.4
	54	65.0	85.0			65.0	85.0	65.0	70.0
64	40	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0	65.0	70.0
	46	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0

NOTES:

- SEE GLAZING DETAILS FOR GLAZING OPTIONS
- CROSSED OUT BOXES DESIGNATE SIZES NOT ACCEPTABLE FOR THE RESPECTIVE GLASS OPTION.

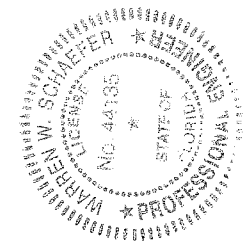
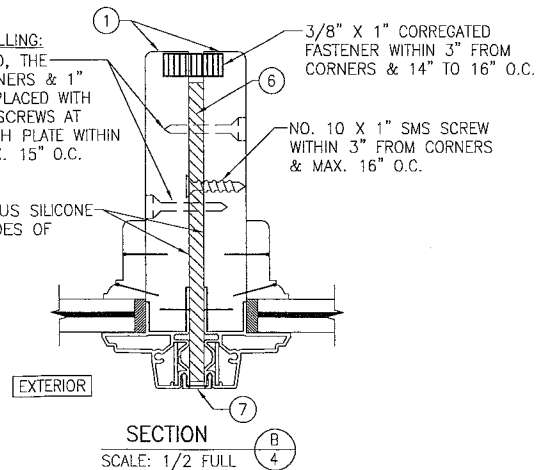


DRAWN BY: WJM		CHECKED BY: WJS	
PLOT: 1-16		DATE: 02/13/07	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: FEEL SAFE ENERGY SAVING CLAD DIRECT SET IMPACT WINDOWS		MANUFACTURER: SIERRA PACIFIC WINDOWS	
		575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		7480 150TH COURT NORTH GREENSBORO, NC 27418 PALM PHONE: 951-744-3424	
CERTIFICATION: JAN 27 2016		WARREN W. SCHAEFER, P.E. LICENSE NO. 44185	
DRAWING NO. 1515		REV. C	
SHEET NO. 3		OF 5	

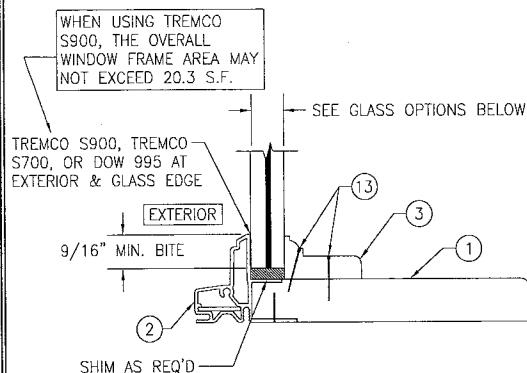


OPTIONAL FIELD MULLION:
WHEN FIELD MULLIONED, THE CORRUGATED FASTENERS & 1" SCREW MAY BE REPLACED WITH NO. 10 X 1 1/4" SCREWS AT EACH JAMB THROUGH PLATE WITHIN 4" OF ENDS & MAX. 15" O.C.

CONTINUOUS SILICONE (BOTH SIDES OF MULLION)

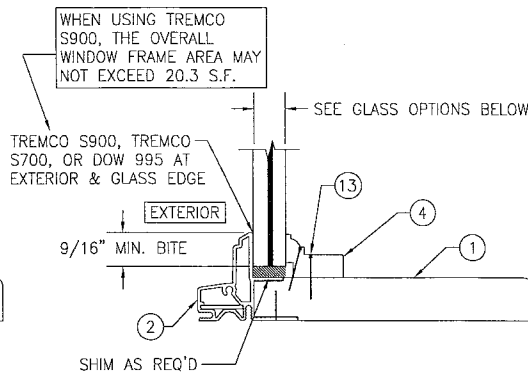


DRAWN BY: W.S.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/13/07	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: FEEL SAFE ENERGY SAVER CLAD DIRECT SET IMPACT WINDOWS			
MANUFACTURER: SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MCDONALD, WI 54451 800-433-4873			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 130TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION	JAN 27 2016		
DRAWING NO. 1515			
SHEET NO. 4 OF 5			



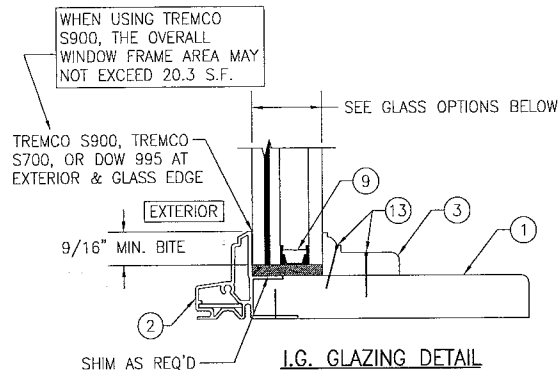
**NON-I.G. GLAZING DETAIL
GLASS OPTIONS 1 & 2**

- GLASS OPTION 1: 9/16" LAMINATED GLASS BY OLD CASTLE (1/4" HT. ST./0.075" EASTMAN CHEM. CO. SAFLEX CP/1/4 HT. ST.)
- GLASS OPTION 2: 9/16" LAMINATED GLASS BY DUPONT (1/4" HT. ST./0.09" DUPONT SG/1/4 HT. ST.)



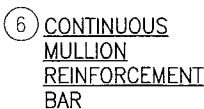
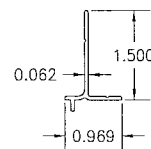
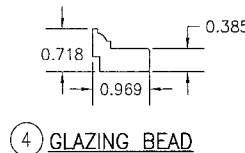
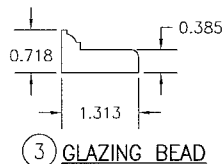
**NON-I.G. GLAZING DETAIL
GLASS OPTION 3**

- GLASS OPTION 3: 7/16" LAMINATED GLASS BY SOLUTIA (5/32" AN./0.09" EASTMAN CHEM. CO. SAFLEX/5/32" AN.)



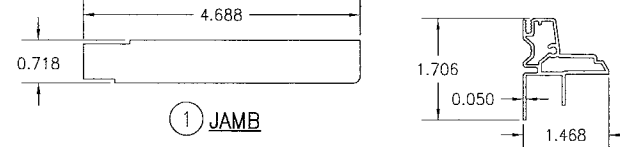
**I.G. GLAZING DETAIL
GLASS OPTIONS 4, 5, & 6**

- GLASS OPTION 4: 1 1/8" TO 1 1/4" LAMINATED I.G. WITH 9/16" LAMINATED EXTERIOR GLASS (1/4" HT. ST./0.075" EASTMAN CHEM. CO. SAFLEX CP/1/4" HT. ST.), 7/16" AIR SPACE & 5/32" TO 1/4" TEMPERED INTERIOR
- GLASS OPTION 5: 1 1/8" TO 1 1/4" LAMINATED I.G. WITH 9/16" LAMINATED EXTERIOR GLASS (1/4" HT. ST./0.09" KURARAY (PREVIOUSLY DUPONT) SG/1/4" HT. ST.), 7/16" AIR SPACE & 5/32" TO 1/4" TEMPERED INTERIOR
- GLASS OPTION 6: 7/8" TO 1" LAMINATED I.G. WITH 7/16" LAMINATED EXTERIOR GLASS (5/32" AN./0.09" EASTMAN CHEM. CO. SAFLEX/5/32" AN.), 7/16" AIR SPACE & 5/32" TO 1/4" TEMPERED INTERIOR

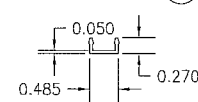


ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB	PINE
2	JAMB CLAD	6063-T5 ALUMINUM
3	GLAZING BEAD	PINE
4	GLAZING BEAD	PINE
5	DRIP CAP NAIL FIN	6063-T5 ALUMINUM
6	CONT. MULLION REINFORCEMENT BAR	6061-T6 ALUMINUM
7	MULLION COVER	6063-T5 ALUMINUM
8A	STANDARD NAIL FIN	6063-T6 ALUMINUM
8B	STANDARD NAIL FIN WITH DRIP	6063-T6 ALUMINUM
9	I.G. GLASS SPACER	CARDINAL XL STAINLESS STEEL
FASTENERS		
11	18 GA. X 1/2" STAPLE	WITHIN 2" OF CORNERS & 9" TO 11" O.C.
12	NO. 6 X 1/2" SMS SCREW	WITHIN 2" OF CORNERS & 8" TO 10" O.C.
13	18 GA. X 1" T-NAIL	WITHIN 2" OF CORNERS & 8" TO 10" O.C.

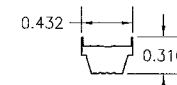
NOTE: WOOD USED IN TESTING WAS PONDEROSA PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY HURD WINDOWS & DOORS TO SELECT.



2 JAMB CLAD

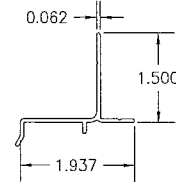


7 MULLION COVER



WALL THICKNESS = 0.0045

8B STANDARD NAIL FIN WITH DRIP



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/13/07	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: FEEL SAFE ENERGY Saver CLAD DIRECT SET IMPACT WINDOWS			
MANUFACTURER: SIERRA PACIFIC WINDOWS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION: W. W. SCHAEFER, P.E. NO. 44136 STATE OF FLORIDA *PROFESSIONAL*			
DRAWING NO. 1515		REV. C	
SHEET NO. 5		OF 5	