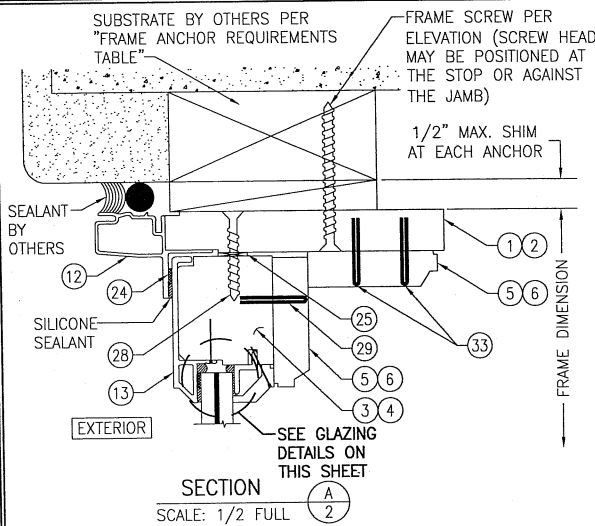
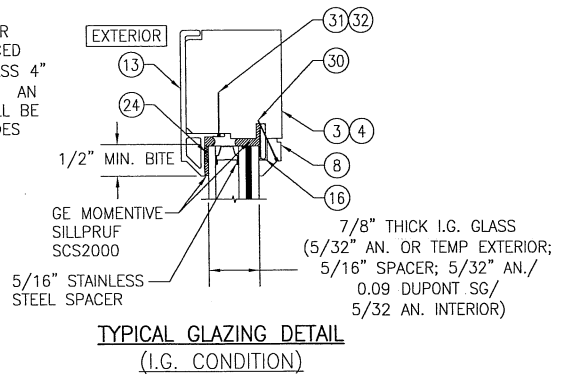
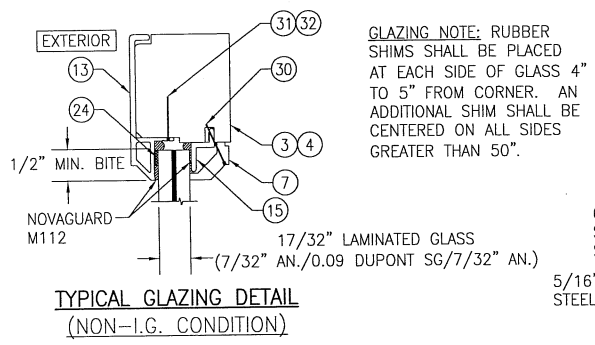
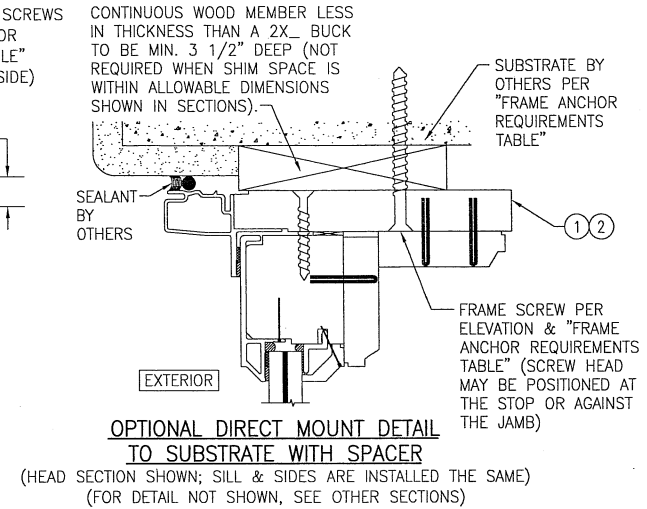
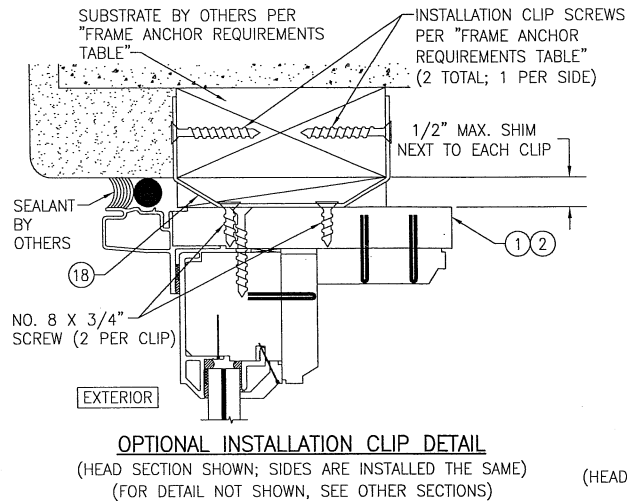


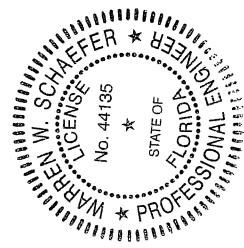


FRAME SCREW MOUNT SHOWN. SEE DETAILS ON THIS SHEET FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

NAIL FIN IS NOT SHOWN BUT MAY BE USED IN ADDITION TO ANCHORS SHOWN.



NOTE: WHEN SILL HEIGHT OF WINDOW EXCEEDS 30 FT. ABOVE GRADE, THE EXTERIOR PANE OF I.G. GLASS MUST BE TEMPERED.



DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
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DRAWING TITLE: ULTRA STERLING IMPACT DOUBLE HUNG TRANSOM/PICTURE WINDOW

MANUFACTURER: KOLBE & KOLBE MILLWORK CO., INC.
1323 SOUTH 11TH AVE.
WAUSAU, WI 54401
715-842-5666

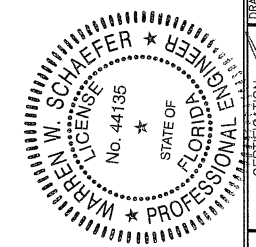
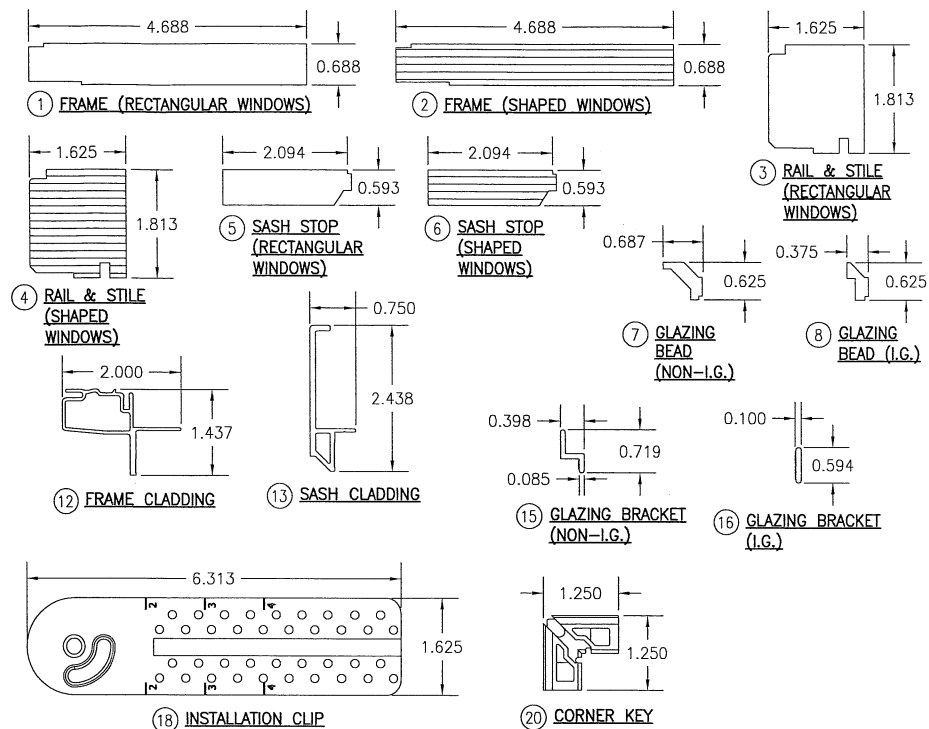
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION: AUG 16 2017
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1751
SHEET NO. 2 OF 3

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FRAME (RECTANGULAR WINDOWS)	PINE
2	FRAME (SHAPED WINDOWS)	LVL
3	RAIL & STILES (RECTANGULAR WINDOWS)	PINE
4	RAIL & STILES (SHAPED WINDOWS)	LVL
5	SASH STOP (RECTANGULAR WINDOWS)	PINE
6	SASH STOP (SHAPED WINDOWS)	LVL
7	GLAZING BEAD (NON-I.G.)	PINE
8	GLAZING BEAD (I.G.)	PINE
12	FRAME CLADDING	6063-T5 ALUMINUM
13	SASH CLADDING	6063-T5 ALUMINUM
15	GLAZING BRACKET (NON-I.G.)	RIGID PVC
16	GLAZING BRACKET (I.G.)	RIGID PVC
18	INSTALLATION CLIP	20 GAGE GALVANIZED SHEET STEEL ASTM A653 CS TYPE B, W/G90 COATING
20	CORNER KEY	POLYCARBONATE
SEALS & SEALANTS		
24	SHIM 1/16" X 1/4" X 1/2"	80 DUROMETER EPDM WITHIN 1" OF ENDS & 8" MAX. O.C.
25	SHIM 1/16" X 1/2" X 1 1/2"	WITHIN 2" OF ENDS & 14" MAX. O.C.
FASTENERS		
28	NO. 8 X 1 1/2" PFH SMS	WITHIN 2" OF ENDS & 14" MAX. O.C.
29	18 GAUGE X 3/16" X 1 1/8" CROWN STAPLE	WITHIN 2" OF ENDS & 10" MAX. O.C.
30	18 GAUGE X 3/4" BRAD	WITHIN 1" OF CORNERS & 5"-6" MAX. O.C.
31	NO. 8 X 3/4" SMS SCREW (USED WITH SHAPED SASHES)	WITHIN 1" OF CORNERS & 5"-6" MAX. O.C.
32	18 GA. X 3/4" BRAD NAIL (USED WITH RECTANGULAR SASHES)	WITHIN 1" OF CORNERS & 5"-6" MAX. O.C.
33	18 GAUGE X 1/8" X 1 1/8" CROWN STAPLE	WITHIN 2" OF CORNERS & 5"-6" MAX. O.C.

NOTE: WOOD USED IN TESTING WAS PINE WITH A SPECIFIC GRAVITY OF $G = 0.43$ 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 AND MODULUS OF ELASTICITY EQUAL TO OR GREATER THAN THAT USED WITH TESTING. ALL WOOD IS MINIMUM GRADE 2 MILLED BY KOLBE & KOLBE TO SELECT.



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AUG 16 2017

DRAWING NO. 1751
REV. B
SHEET NO. 3 OF 3