

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE. SPECIFIED SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) FOR NON-HIGH VELOCITY HURRICANE ZONES (NON-HVHZ) & IS LARGE & SMALL MISSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF 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 DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTRY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.

CORNER CONSTRUCTION:

FRAME: MITER CUT, BUTTED AND FULLY WELDED
MUNTIN BAR TO FRAME: FACE IS KEYED. BAR IS THEN BUTTED TO THE FRAME.
MUNTIN BAR INTERSECTIONS: BARS ARE KEYED, INTERLOCKED AND THEN FULLY WELDED AT THEIR STEMS.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM	MINIMUM
		EMBED	EDGE DIST.

FRAME SCREWS

MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	1/4-20 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4-20 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4-20 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"

INSTALLATION CLIP SCREWS

MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 3/8"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	1/4-20 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4-20 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4-20 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"

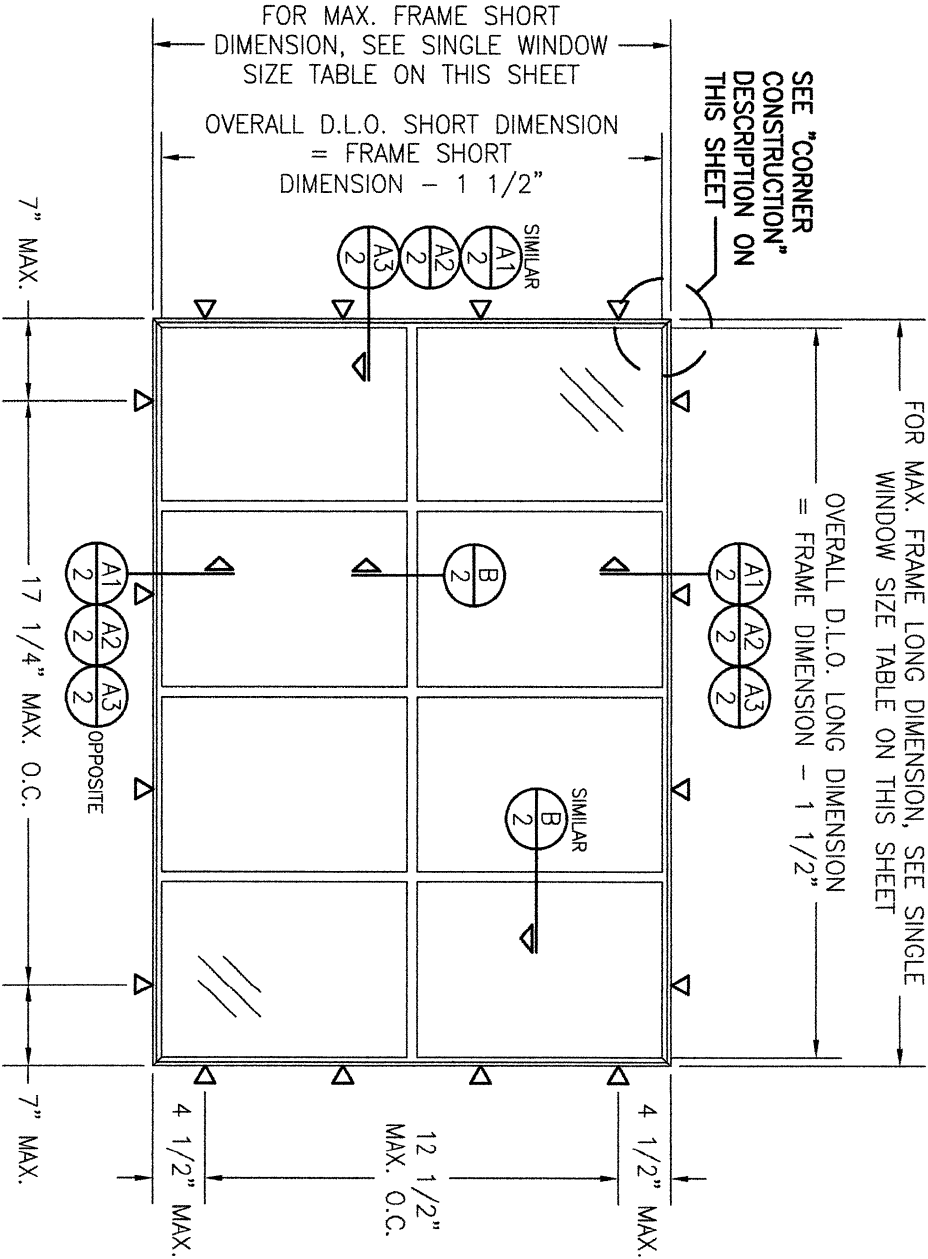
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.) OR ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI Kwik-CON II (C.S OR S.S.).

SINGLE WINDOW SIZE TABLE

MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	WITH LONG LEG FRAME	
		MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)
WITH EQUAL LEG FRAME			
144	19 3/4	145 1/2	20 1/2
132	21 1/2	133 1/2	22 1/2
120	23 3/4	121 1/2	24 3/4
108	26 1/4	109 1/2	27 1/2
96	29 1/2	97 1/2	30 3/4
84	33 3/4	85 1/2	35 1/4
78	36 1/2	79 1/2	37 3/4
72	39 1/2	73 1/2	41
66	43	67 1/2	44 1/2
64 1/8	44 3/8	65 5/8	45 7/8
60	47 1/2	61 1/2	49
56	50 3/4	57 1/2	52 1/4
53 3/8	53 3/8	54 3/4	54 3/4

ALLOWABLE DESIGN PRESSURE
(ALL WINDOW SIZES)

+41.6/-50.0 PSF



EXTERIOR ELEVATION:
SINGLE FIXED WINDOW

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

WINDOW REQUIREMENTS:

1. SHORT DIRECTION MUNTINS SHALL HAVE CONTINUOUS STEMS WHILE THE LONG DIRECTION MUNTINS SHALL HAVE CONTINUOUS FACES. THE TWO ARE KEYED TOGETHER PER THE CORNER CONSTRUCTION DESCRIPTION ON THIS SHEET.
2. WINDOW FRAME AND DIVIDED LIGHT SHORT & LONG DIRECTIONS MAY BE HORIZONTAL OR VERTICAL.
3. INDIVIDUAL DIVIDED LIGHT D.L.O. (DAY LIGHT OPENING) MAY NOT EXCEED 315 SQ. IN. OVERALL AREA NOR 21" IN THEIR LONG DIRECTION.
4. QUANTITY OF DIVIDED LIGHTS IN EITHER THE SHORT OR LONG DIRECTIONS IS UNLIMITED.



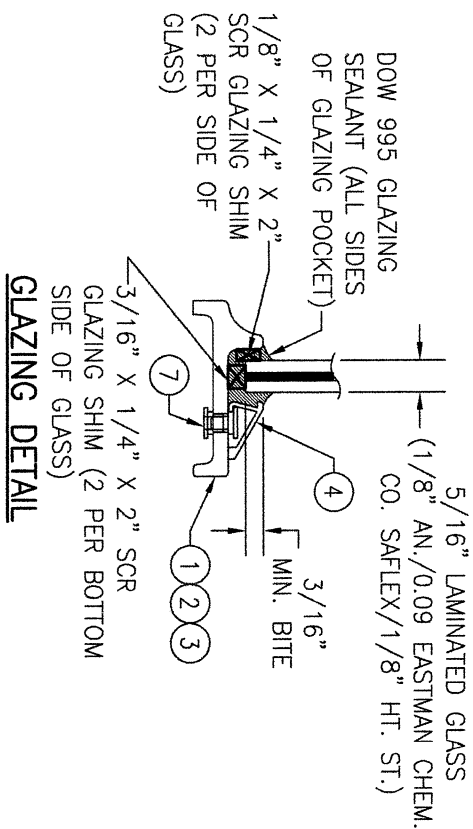
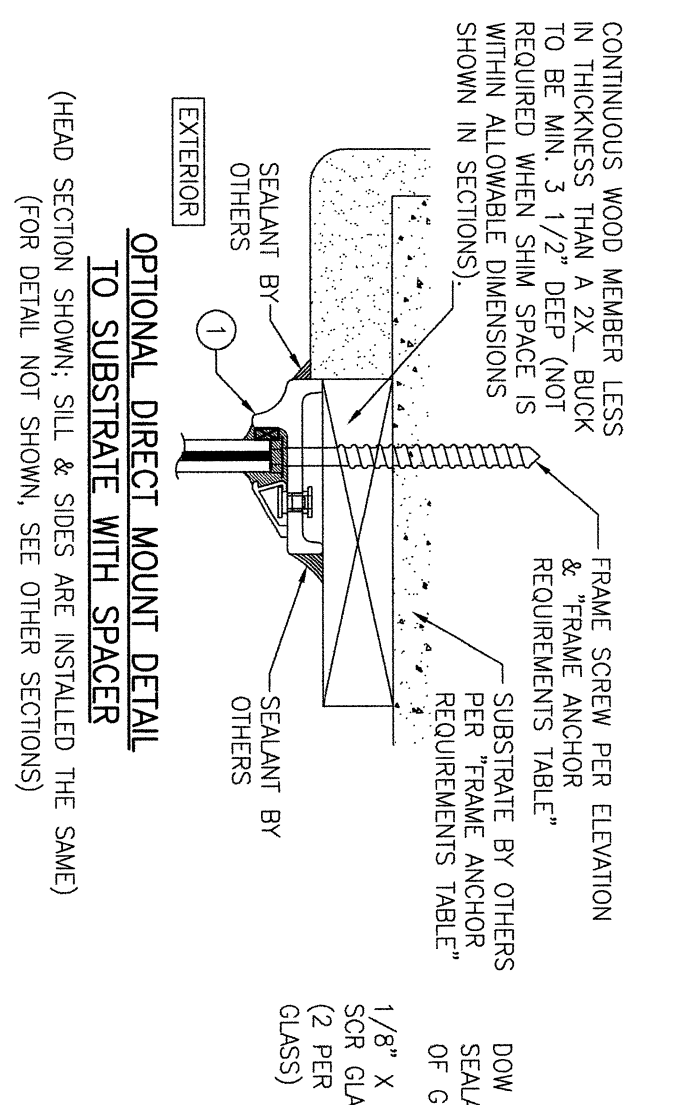
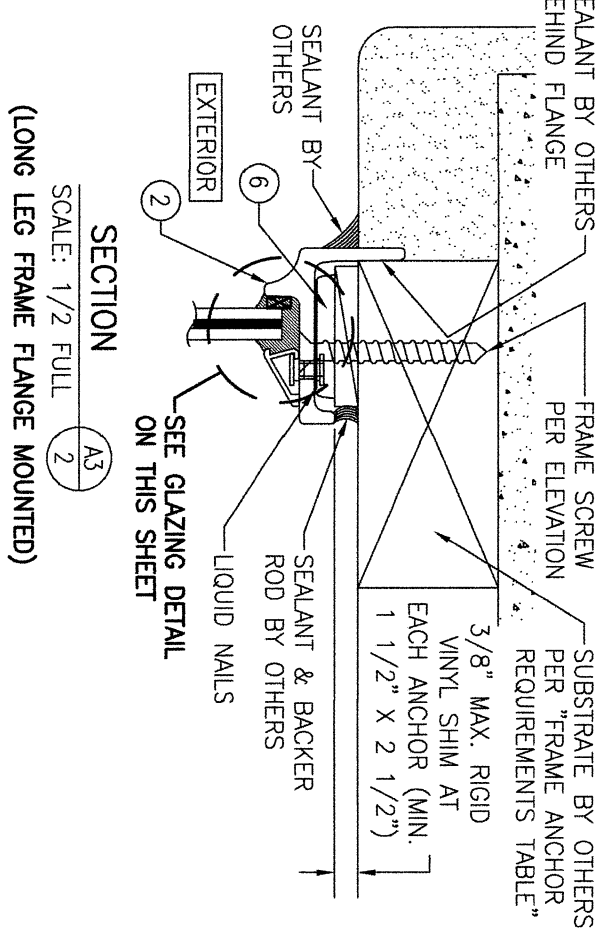
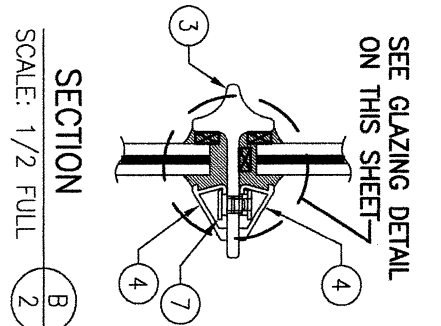
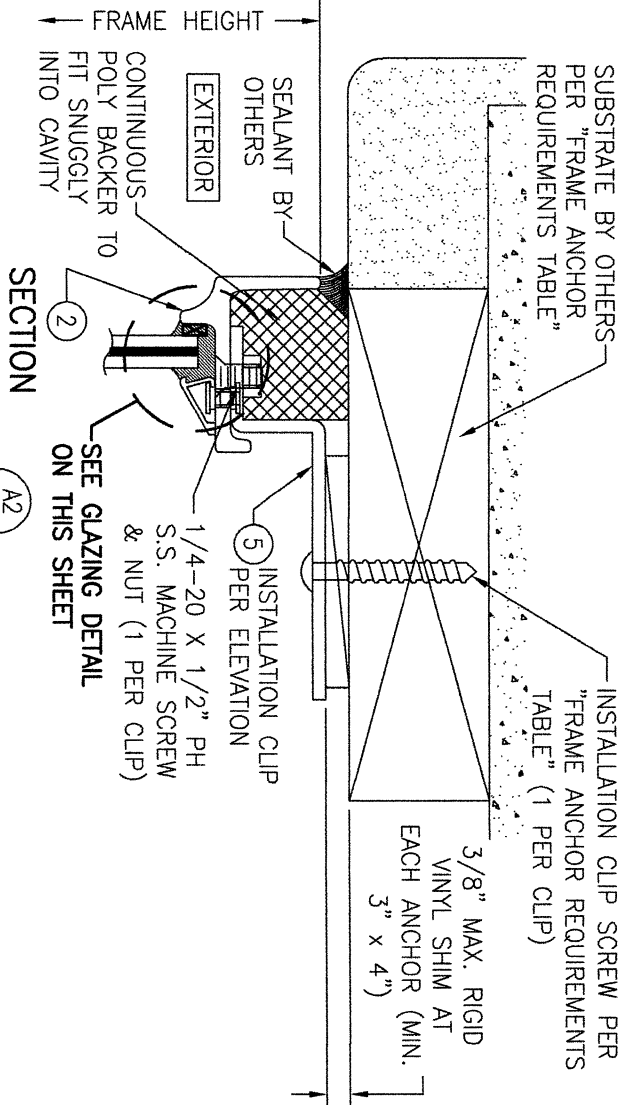
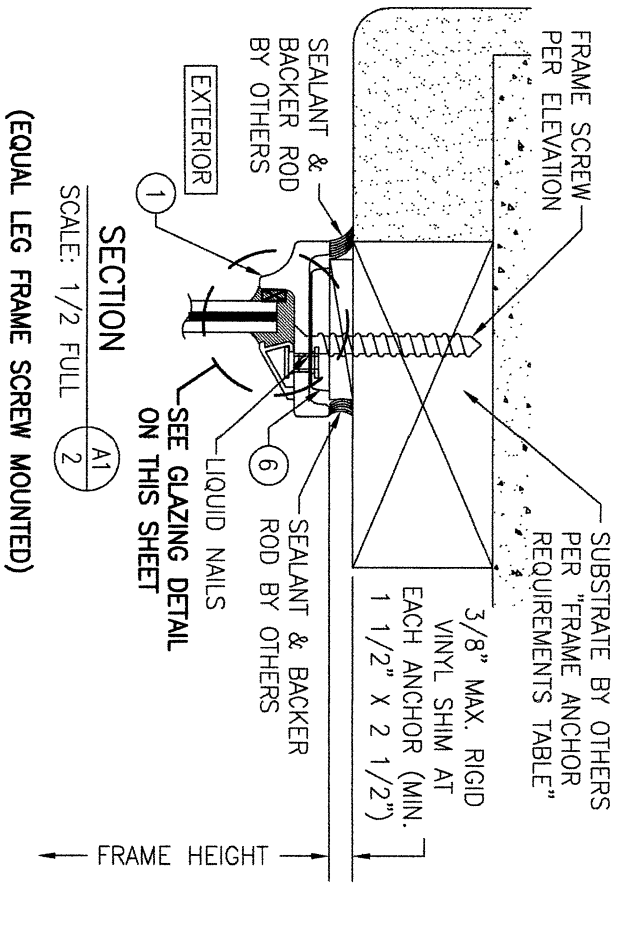
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by Warren W
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THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

NO.		REVISION DESCRIPTION	BY	DATE	PLOT: 1=18	DATE: 09/22/17
A1		INCREASE SHIM SPACE	W.W.S.	09/04/24		

DRAWING TITLE ONE55 FIXED DIVIDED LIGHT IMPACT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	MANUFACTURER HOPE'S WINDOWS, INC. 84 HOPKINS AVENUE JAMESTOWN, NY 14702 (716) 665-5124

CERTIFICATION WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1927 SHEET NO. 1 OF 3	REV. A

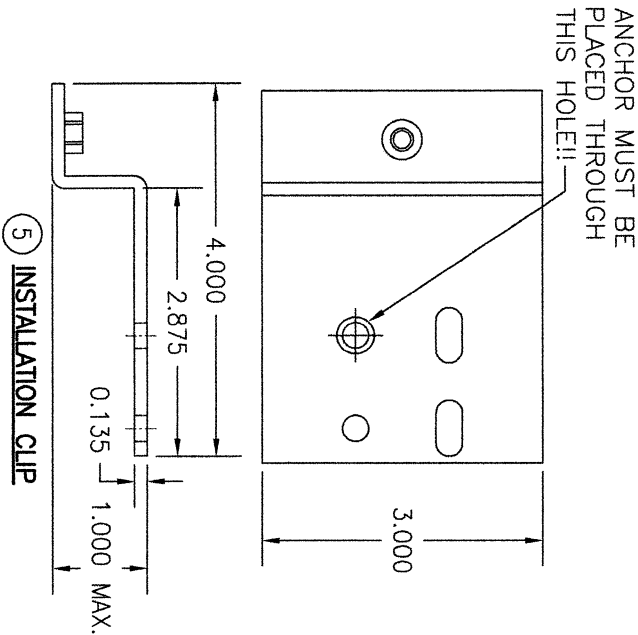
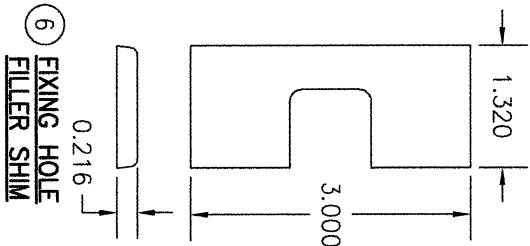
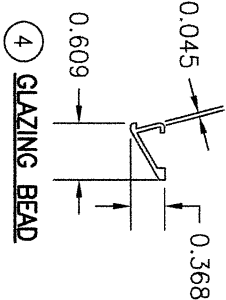
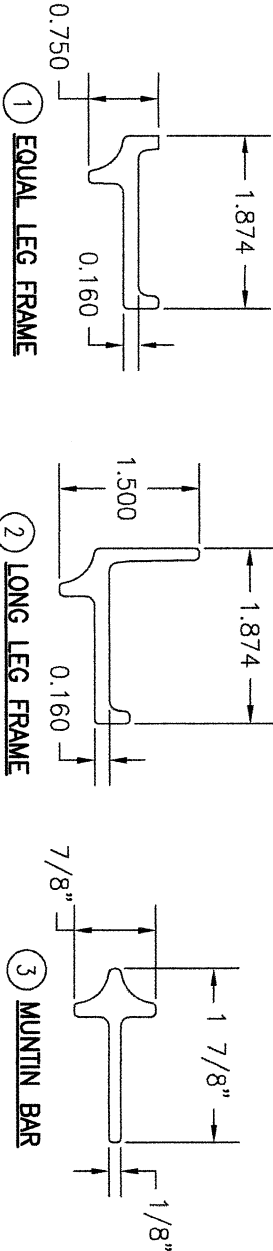


NO.	REVISION	DESCRIPTION	BY	DATE

DRAWING TITLE ONE55 FIXED DIVIDED LIGHT IMPACT WINDOW	MANUFACTURER HOPE'S WINDOWS, INC. 84 HOPKINS AVENUE JAMESTOWN, NY 14702 (716) 665-5124
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	DRAWING NO. 1927 REV. A

CERTIFICATION WARREN W. SCHAEFER, P.E. P.E. NO. 44135	SHEET NO. 2 OF 3
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ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	EQUAL LEG FRAME	A36 STEEL
2	LONG LEG FRAME	A36 STEEL
3	MUNTIN BAR	A36 STEEL
4	GLAZING BEAD	6063-T5 ALUMINUM
5	INSTALLATION CLIP	GALV. A36 STEEL
6	FIXING HOLE FILLER SHIM	RIGID VINYL
7	2-PIECE GLAZING STUD WITH 6/32" X 1/4" MACHINE SCREW	2 1/2" FROM ENDS AND MAX. 14" O.C.



NO.	REVISION	DESCRIPTION	BY	DATE	PLOT: 1=2	DRAWN BY: W.M.S.	CHECKED BY: W.M.S.

DRAWING TITLE	
ONE55 FIXED DIVIDED LIGHT IMPACT WINDOW	
CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	HOPE'S WINDOWS, INC.
25601 AYSEN DRIVE	84 HOPKINS AVENUE
PUNTA GORDA, FL 33983	JAMESTOWN, NY 14702
PHONE: 561-744-3424	(716) 665-5124

CERTIFICATION	
WARREN W. SCHAEFER, P.E.	
P.E. NO. 44135	
DRAWING NO.	REV.
1927	A
SHEET NO.	3
3	OF 3