

CORNER CONSTRUCTION

RECTANGULAR JAMB CORNERS: MORTISE & TENON CONSTRUCTION JOINED & GLUED WITH PONA! SUPER 3 WOOD GLUE OR EQUIVALENT. ARCHED JAMB CORNERS: ARCHED FRAME BUTTED TO FRAME, JOINED WITH ONE(1) NO.14 X 3" WOOD SCREW, & GLUED WITH PONA! SUPER 3 WOOD GLUE OR EQUIVALENT. HALF ROUND JAMB CORNERS: FINGER JOINT CONSTRUCTION JOINED & GLUED WITH PONA! SUPER 3 WOOD GLUE OR EQUIVALENT.

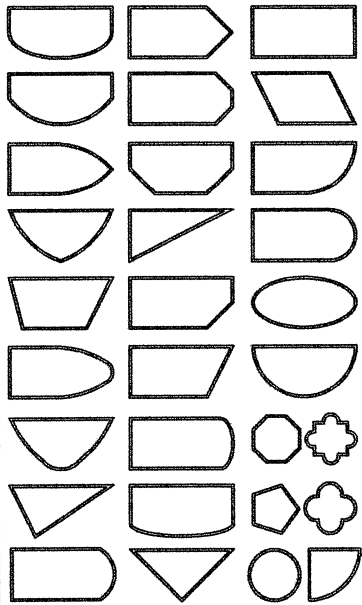
ANCHOR SPACING (ALL SIDES OF WINDOW)			
JOB REQUIRED DESIGN PRESSURE	WINDOW FRAME SHORT DIMENSION	MAXIMUM ALLOWABLE ANCHOR SPACING	
70 PSF & LESS OVER 70 PSF	OVER 48"	12"	
	48" & LESS	18"	
	UP TO 72"	12"	

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 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.
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 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 STANDAR.
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/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.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.
11. 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.

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.

APPROVED SHAPES



NOTES:

1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED ON THIS SHEET.
2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.

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.

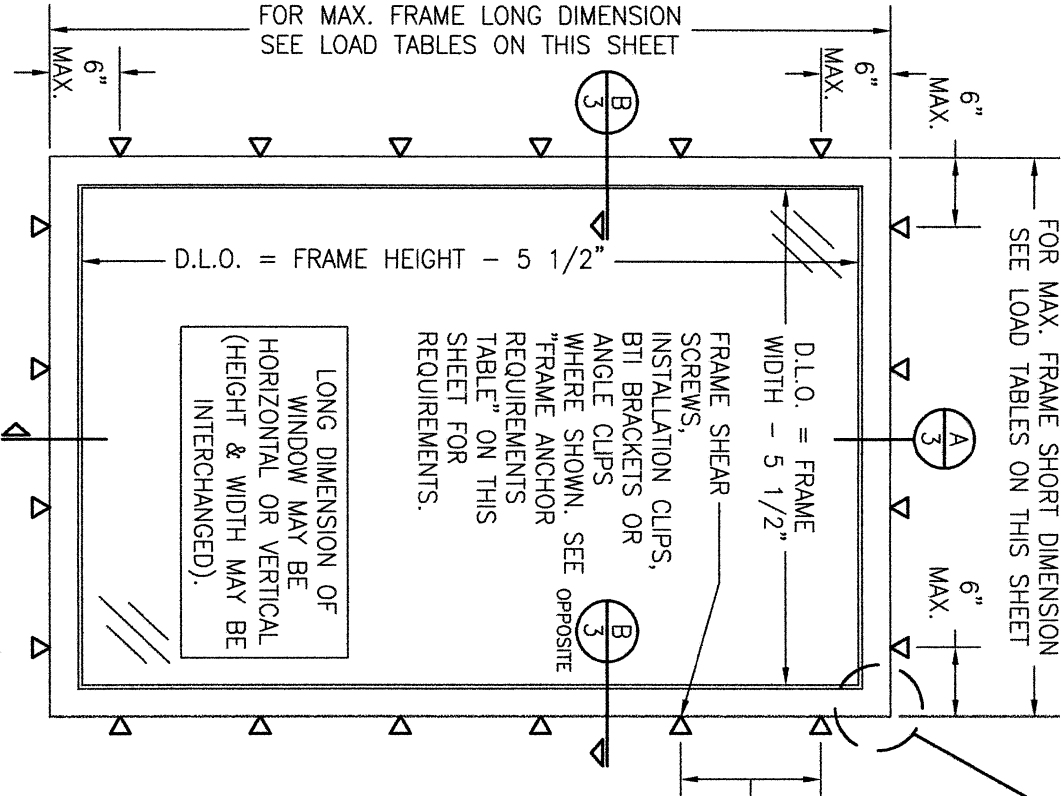
DRAWN BY:		CHECKED BY:	
W.R.M.		W.W.S.	
DATE:		DATE:	
1-16		1/24/07	
NO.	REVISION DESCRIPTION	BY	DATE
A1	UPDATE TO CURRENT STANDARDS	W.R.M.	10/25/11
B1	UPDATE TO CURRENT STANDARDS	W.W.S.	12/08/16
C1	CHANGE TO FLORIDA APPROVAL	W.W.S.	12/06/21
D1	UPDATE WOOD PROPERTIES	W.W.S.	06/19/23

MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE SINGLE WINDOW DESIGN PRESSURE				
		UNLESS SHOWN OTHERWISE				
		GLASS OPTION 1	GLASS OPTION 2	GLASS OPTION 3	GLASS OPTION 4	GLASS OPTION 5
144	60	70.0	70.0	70.0	70.0	70.0
	40	70.0	85.0	70.0	70.0	70.0
	36	70.0	85.0	70.0	70.0	70.0
	32	70.0	85.0	70.0	70.0	70.0
	65	70.0	70.0	70.0	70.0	70.0
132	43	70.0	85.0	70.0	70.0	70.0
	39	70.0	85.0	70.0	70.0	70.0
	35	70.0	85.0	70.0	70.0	70.0
	72	70.0	70.0	70.0	70.0	70.0
120	48	70.0	85.0	70.0	70.0	70.0
	43	70.0	85.0	70.0	70.0	70.0
	38	70.0	85.0	70.0	70.0	70.0
	72	70.0	70.0	70.0	70.0	70.0
	53	67.8	70.0	85.0	70.0	70.0
108	48	70.0	85.0	70.0	70.0	66.0
	42	70.0	85.0	70.0	70.0	70.0
	72	70.0	70.0	70.0	70.0	70.0
	60	67.7	70.0	85.0	70.0	70.0
	54	70.0	70.0	85.0	70.0	68.1
96	48	70.0	85.0	70.0	67.3	70.0
	46	70.0	85.0	70.0	70.0	70.0
	72	70.0	70.0	70.0	70.0	70.0
	68	70.0	70.0	85.0	70.0	70.0
	61	70.0	85.0	70.0	70.0	70.0
84	54	70.0	85.0	70.0	70.0	70.0
	72	70.0	85.0	70.0	70.0	70.0
	66	70.0	85.0	70.0	70.0	70.0
	59	70.0	85.0	70.0	70.0	70.0
	72	70.0	85.0	70.0	70.0	70.0
72	64	70.0	85.0	70.0	70.0	70.0
	66	70.0	85.0	70.0	70.0	70.0
	66	70.0	85.0	70.0	70.0	70.0

NOTES:

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

FOR MAX. FRAME LONG DIMENSION
SEE LOAD TABLES ON THIS SHEET



EXTERIOR ELEVATION: SINGLE WINDOW

SCALE: N.T.S.

FRAME ANCHOR REQUIREMENTS TABLE

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

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

INSTALLATION CLIP SCREWS			
2X, WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 X 1 1/2" SMS	1 3/8"	3/4"
MIN. 18 GA. .33 KSI METAL STUD	(2)12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	(2)12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2)12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"

BTI BRACKET & ANGLE CLIP SCREWS			
2X, WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 1/8"	3/4"
MIN. 18 GA. .33 KSI METAL STUD	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.) OR HILLI KMIK-CON II (C.S OR S.S.)
(2) ALL SELF TAP/DRILLING SCREWS SHALL BE MIN. GR. 5

ANCHOR/SUBSTRATE EVALUATION NOTE:

ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE CAPABLE OF SUPPORTING ALL LOADS IMPOSED ON THEM UNDER THE GUIDELINES OF THIS DOCUMENT. ANY SUBSTRATES OR CONDITIONS OUTSIDE OF WHAT IS SHOWN HERE-IN SHALL BE SUBJECT TO JOB SPECIFIC ENGINEER'S REVIEW & CERTIFICATION.

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.

DIRECT GLAZED FIXED IMPACT WINDOW

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

MANUFACTURER
TISCHLER UND SOHN (USA) LTD.
SIX SUBURBAN AVENUE
STAMFORD, CONNECTICUT
203-674-0600

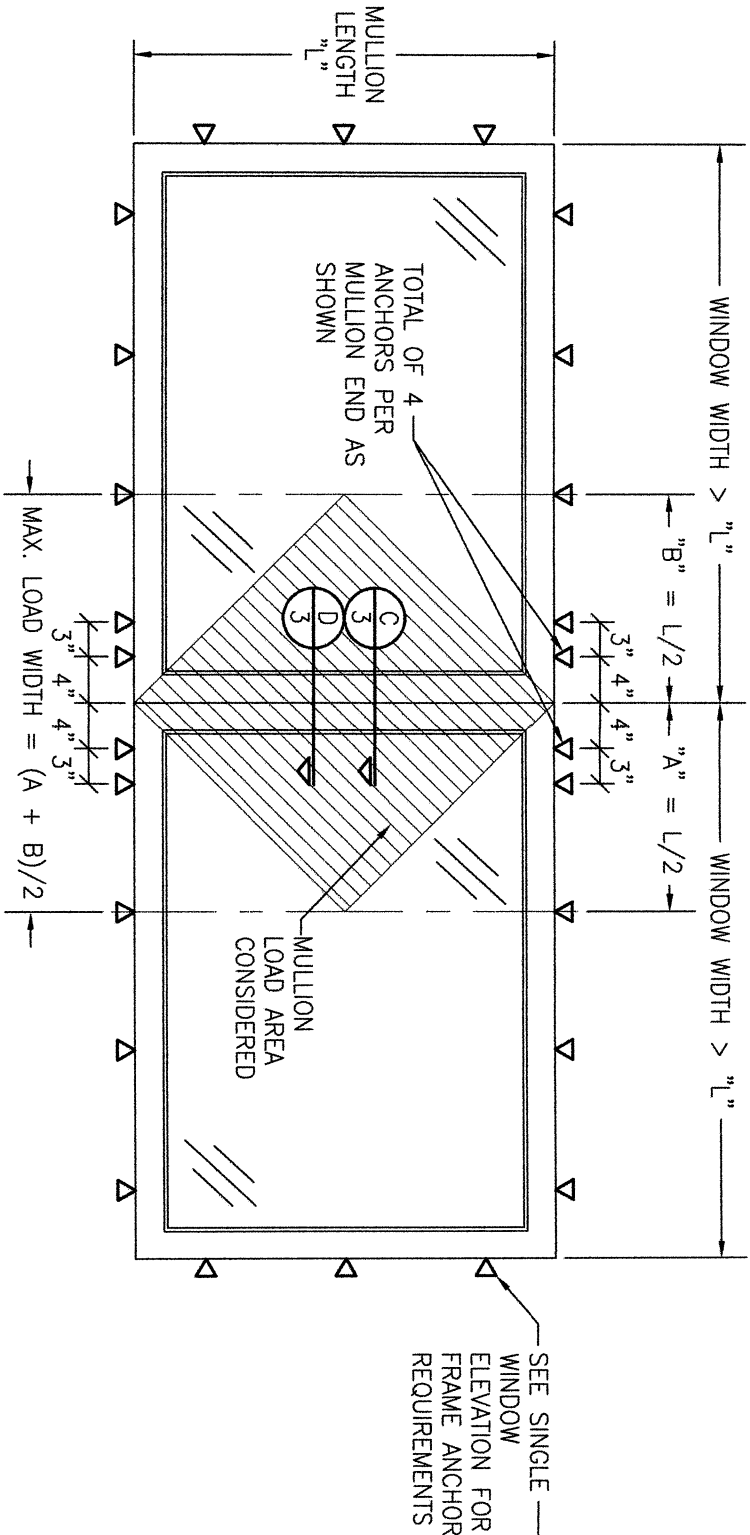
CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44139

DRAWING NO. 1514

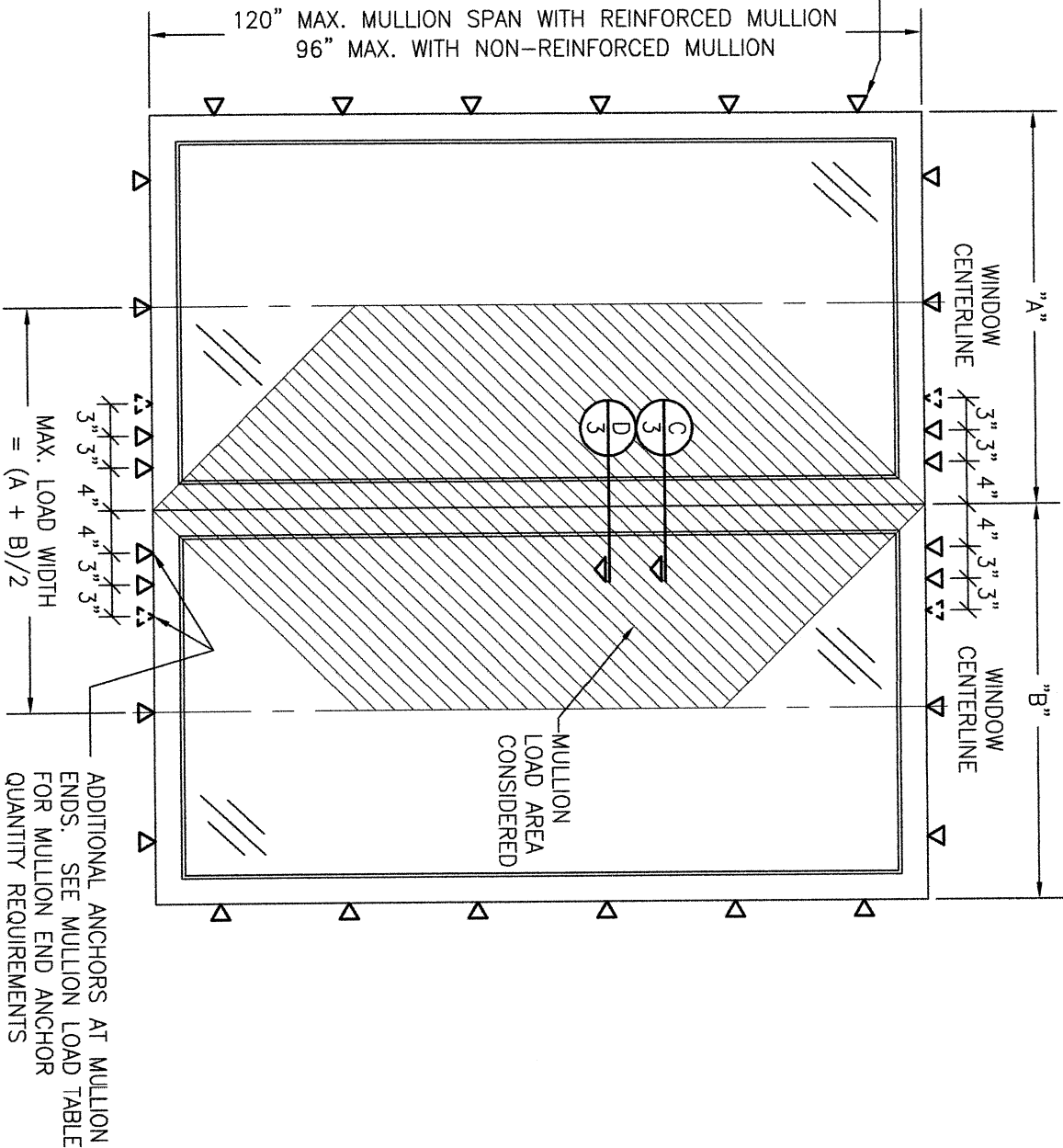
REV. D

SHEET NO. 1 OF 6



FIXED WINDOW TO FIXED WINDOW WHEN WINDOW WIDTHS ARE GREATER THAN THE MULLION LENGTH
(SEE MULLION LOAD TABLE)
SEE SINGLE WINDOW ELEVATION FOR WINDOW DETAIL NOT SHOWN

MULLION ALLOWABLE LOAD TABLE		MULLION ALLOWABLE LOAD TABLE	
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (POS. & NEG. PSF)	
		NON-REINFORCED	REINFORCED
		4 OR 6 END ANCHORS	4 END ANCHORS 6 END ANCHORS
120	72	N/A	40.4 50.0
	66	N/A	42.5 53.5
	60	N/A	45.2 57.9
	54	N/A	48.6 63.3
	48	N/A	53.0 70.0
	42	N/A	58.7 77.6
	36	N/A	66.5 85.0
	30	N/A	77.5 85.0
	24	N/A	85.0 85.0
	72	N/A	47.1 62.2
	66	N/A	49.3 65.2
	60	N/A	52.2 68.9
	54	N/A	55.8 73.7
	48	N/A	60.6 80.0
	42	N/A	66.8 85.0
	36	N/A	75.4 85.0
108	30	N/A	85.0 85.0
	72	N/A	26.3 56.5 74.7
	66	N/A	27.7 58.7 77.6
	60	N/A	29.4 61.7 81.5
	54	N/A	31.9 65.5 85.0
	48	N/A	35.1 70.7 85.0
	42	N/A	39.3 77.5 85.0
	36	N/A	45.0 85.0 85.0
96	30	N/A	53.1 85.0 85.0
	24	N/A	65.4 85.0 85.0
	18	N/A	85.0 85.0 85.0



FIXED WINDOW TO FIXED WINDOW WHEN WINDOW WIDTHS ARE LESS THAN OR EQUAL TO THE MULLION LENGTH
(SEE MULLION LOAD TABLE)

SCALE: N.T.S.
SEE SINGLE WINDOW ELEVATION FOR WINDOW DETAIL NOT SHOWN

MULTIPLE UNIT NOTES:

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.
2. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR THE ALLOWABLE MULLION PRESSURE. SEE LOAD TABLES ON SHEET 1 & 2.
3. WINDOWS MAY BE STACKED HORIZONTAL OR VERTICAL. (IF VERTICALLY STACKED, MANUFACTURER MUST INSURE THAT THE DEAD WEIGHT OF THE WINDOWS DOES NOT CAUSE ANY WINDOW FAILURES OR DEFORMATIONS)
4. NUMBER OF WINDOWS IN ONE OPENING IS NOT RESTRICTED PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.

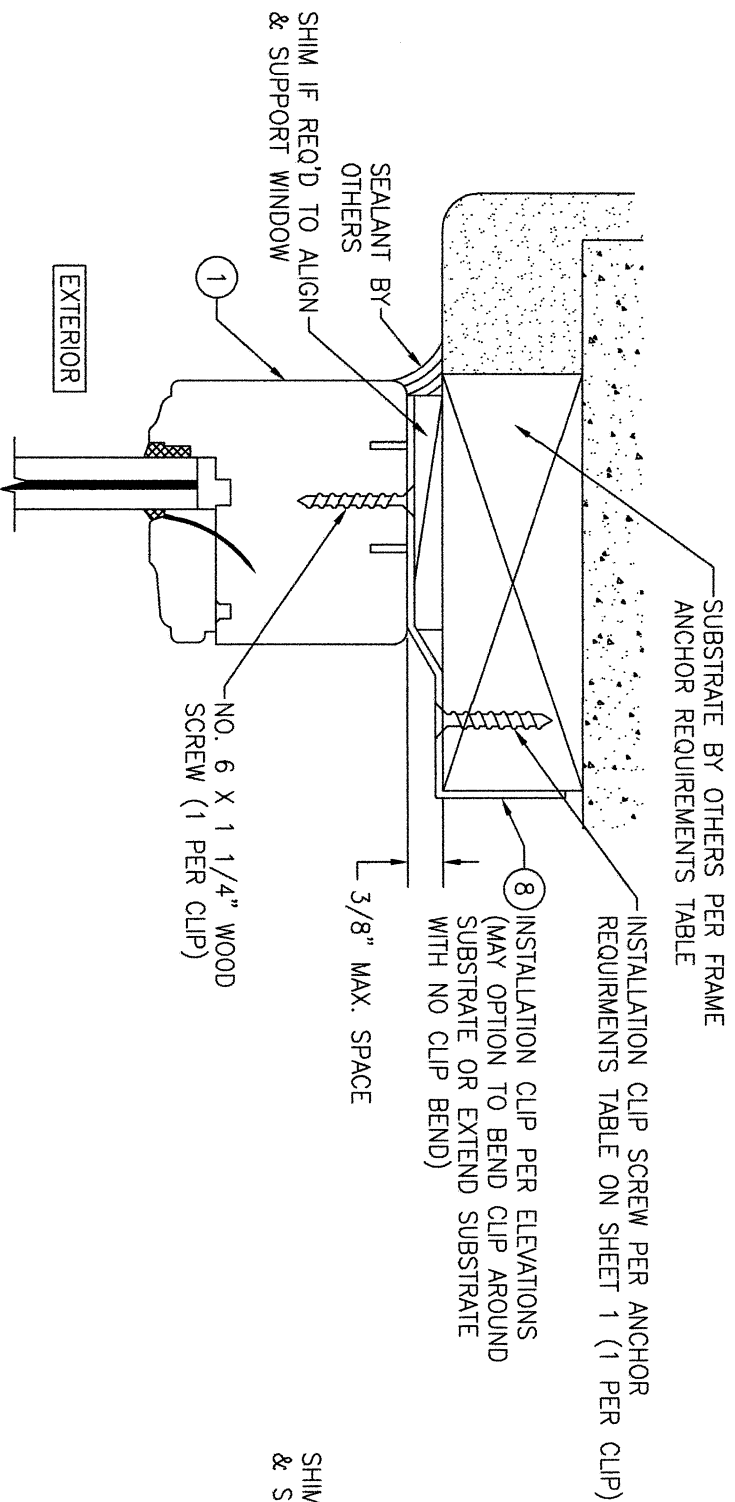
NO.	REVISION	DESCRIPTION	BY	DATE
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10

TISCHLER UND SOHN (USA) LTD.
SIX SUBURBAN AVENUE
STAMFORD, CONNECTICUT
203-674-0600

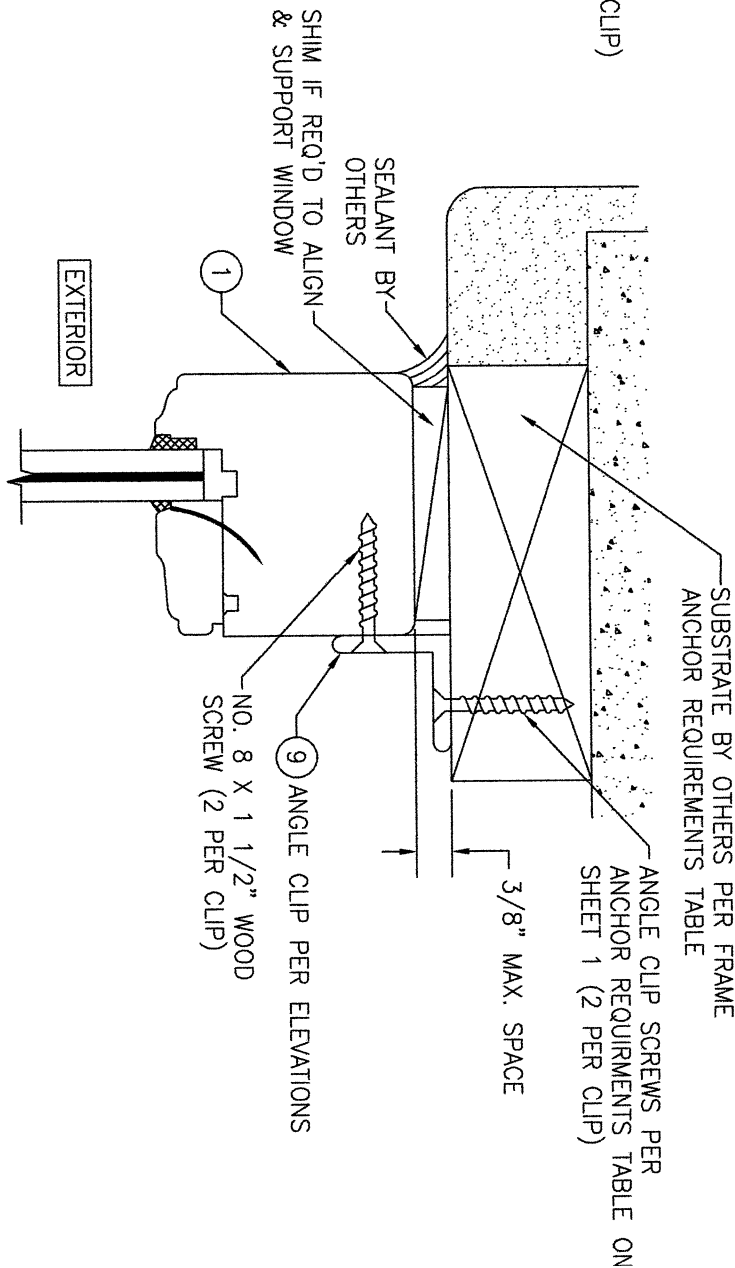
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

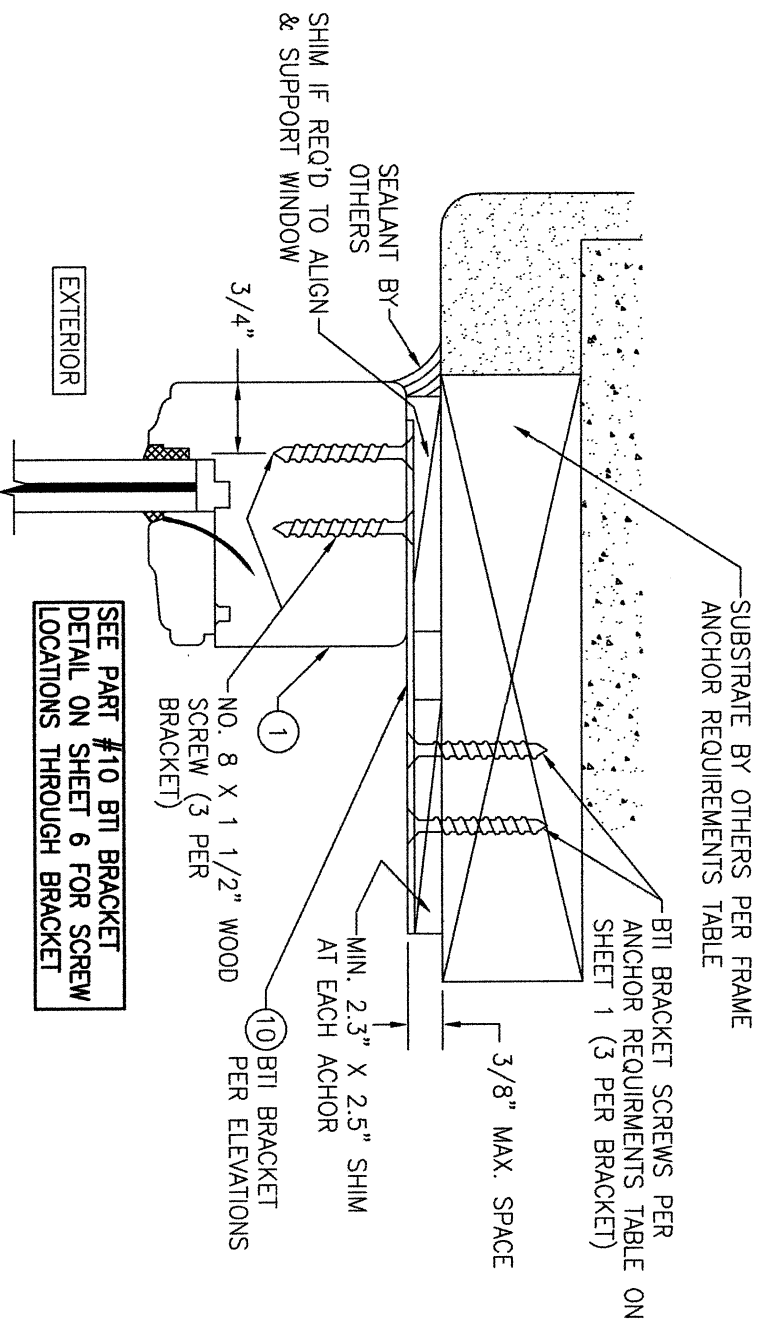
DRAWING NO. 1514
SHEET NO. 2 OF 6



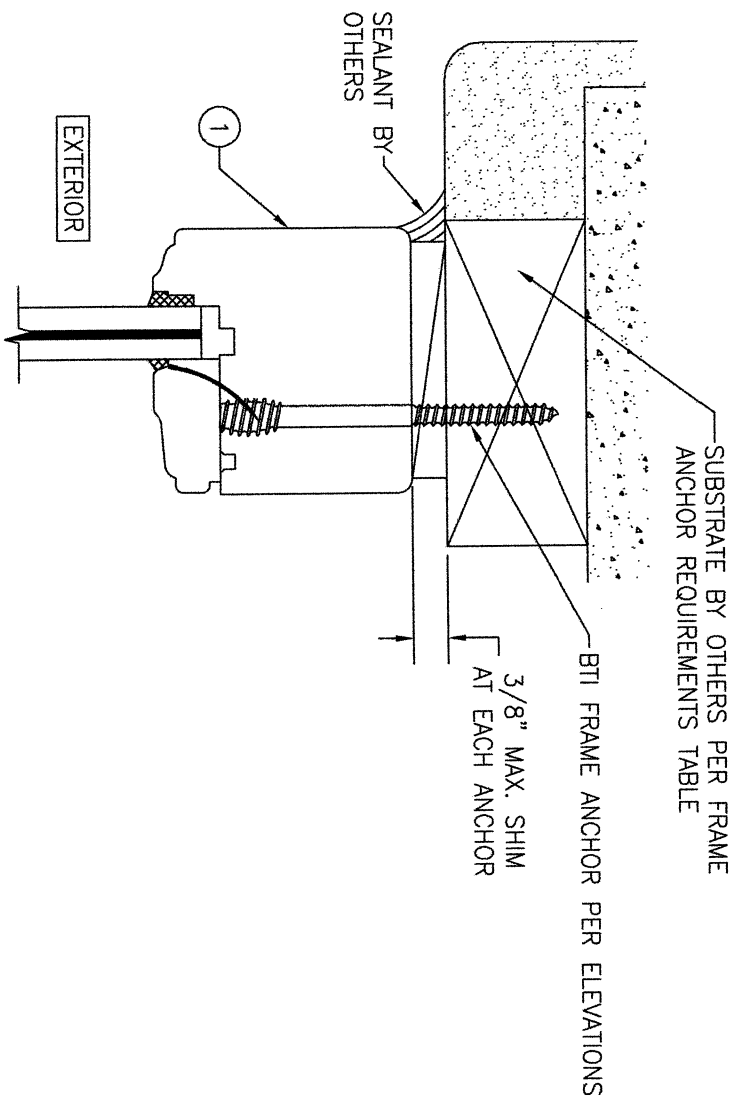
OPTIONAL INSTALLATION CLIP DETAIL
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL INSTALLATION ANGLE CLIP DETAIL
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL INSTALLATION BTI BRACKET DETAIL
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL BTI SCREW DETAIL
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

DRAWN BY:		CHECKED BY:		
W.R.M.		W.M.S.		
PLOT: 1=2		DATE: 01/24/07		
NO.	REVISION	DESCRIPTION	BY	DATE

DIRECT GLAZED FIXED IMPACT WINDOW

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

MANUFACTURER
TISCHLER UND SOHN (USA) LTD.
SIX SUBURBAN AVENUE
STAMFORD, CONNECTICUT
203-674-0600

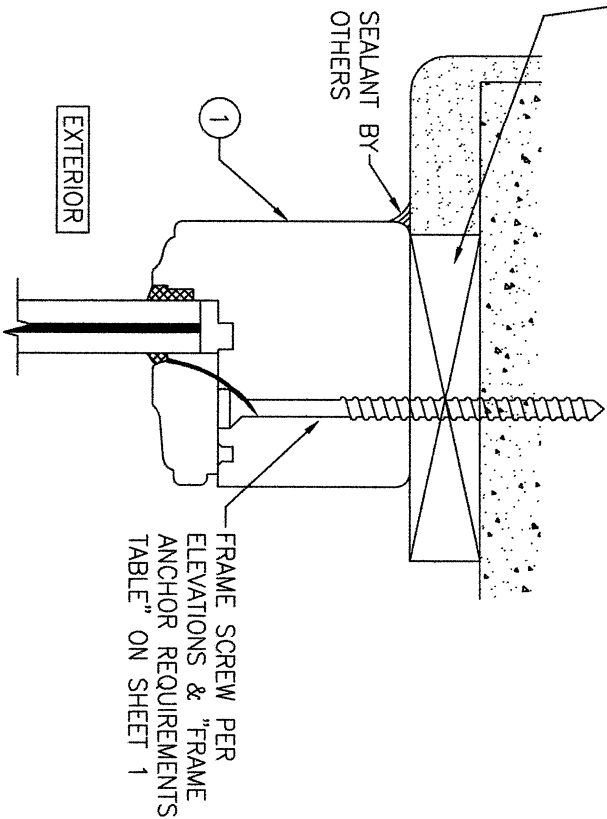
CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

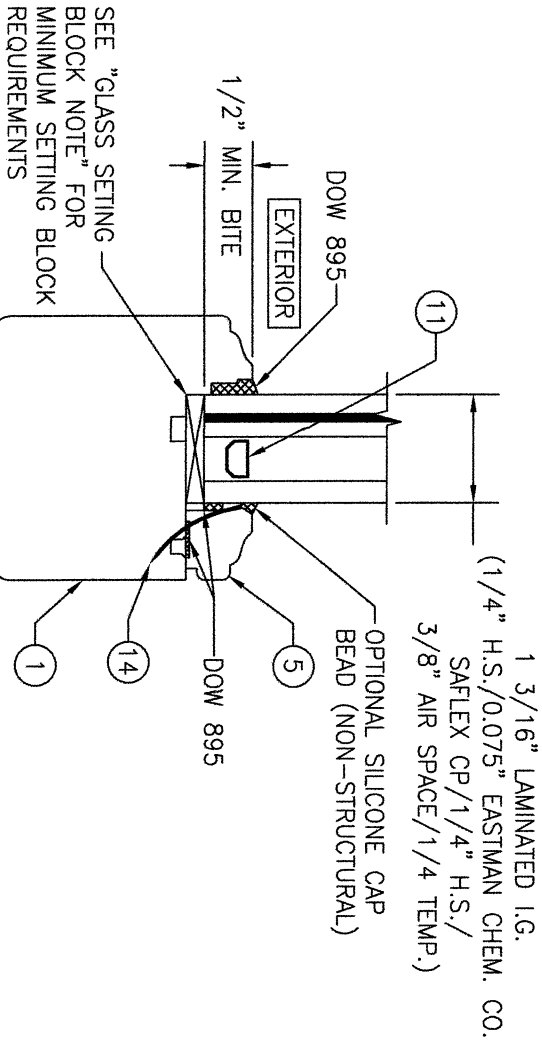
DRAWING NO. **1514** REV. **D**

SHEET NO. **4** OF **6**

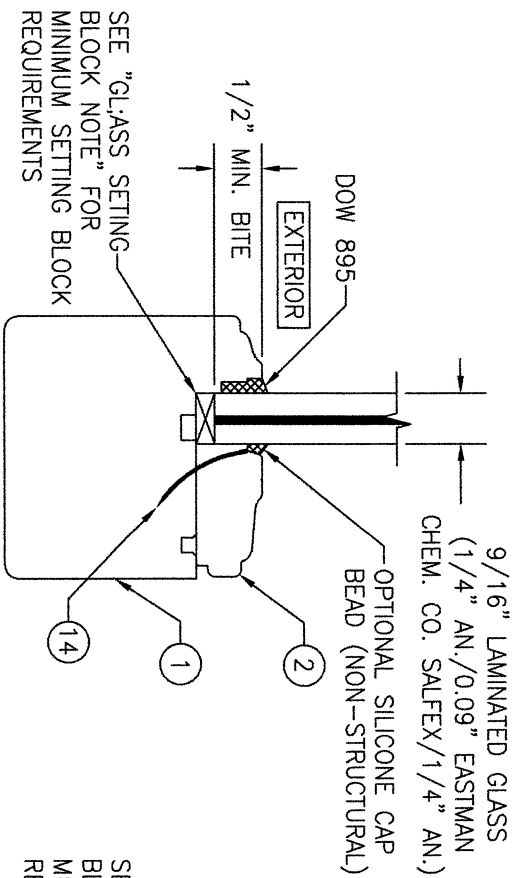
—CONTINUOUS WOOD MEMBER LESS IN SIZE THAN A 2X_ BUCK TO BE MIN. 3 1/2" DEEP. NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).



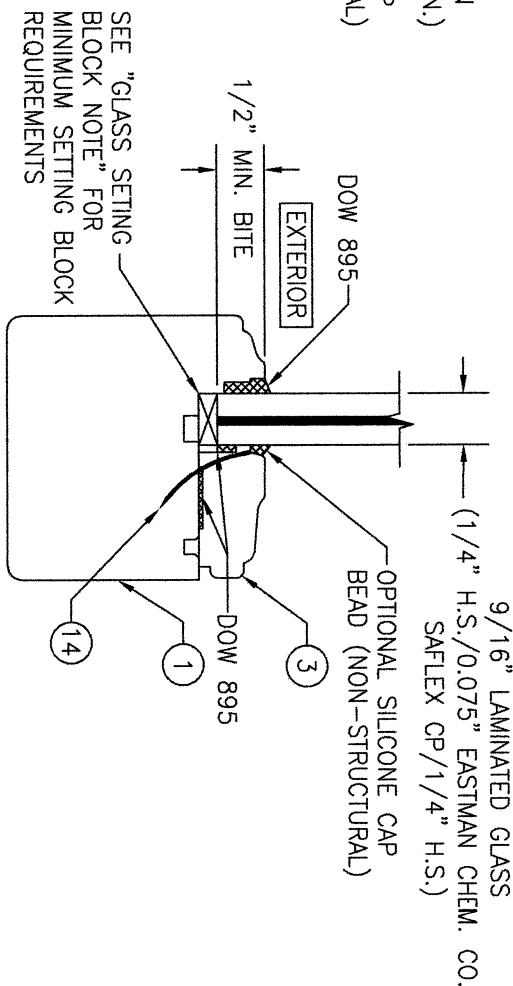
OPTIONAL DIRECT MOUNT DETAIL
TO BLOCK OR CONCRETE WITH SPACER OR SHIM
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



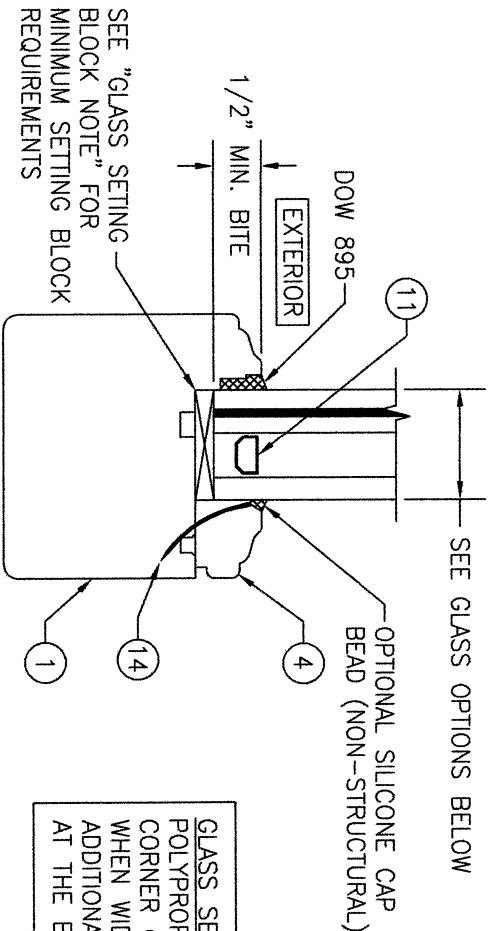
I.G. GLAZING DETAIL
GLASS OPTION 3



NON-I.G. GLAZING DETAIL
GLASS OPTION 1



NON-I.G. GLAZING DETAIL
GLASS OPTION 2



I.G. GLAZING DETAIL
GLASS OPTIONS 4 & 5

GLASS OPTION 4: 1 3/16" LAMINATED I.G. (3/16" AN./0.09" EASTMAN CHEM. CO. SAFLEX/3/16" AN./1/2" AIR SPACE/1/4 AN.)
GLASS OPTION 5: 1 3/16" LAMINATED I.G. (3/16" AN./0.09" EASTMAN CHEM. CO. SAFLEX/3/16" AN./1/2" AIR SPACE/1/4 TEMP.)

NOTE: THE SINGLE PANE OF THE IG GLASS SHALL BE TEMPERED WHEN REQUIRED TO CONFORM WITH THE FLORIDA BUILDING CODE FOR USE OF GLASS IN HAZARDOUS LOCATIONS.

GLASS SETTING BLOCK NOTE:
POLYPROPYLENE SETTING BLOCK AT EACH CORNER OF THE GLASS (ALL SIDES). WHEN WIDTH OF GLASS EXCEEDS 63", TWO ADDITIONAL SETTING BLOCKS ARE PLACED AT THE BASE EQUALLY SPACED.

DRAWN BY:	CHECKED BY:	DATE				BY	REVISION DESCRIPTION	NO.
		W.R.M.	W.M.S.	DATE:	DATE:			
1-2				01/24/07				

MANUFACTURER
TISCHLER UND SOHN (USA) LTD.
SIX SUBURBAN AVENUE
STAMFORD, CONNECTICUT
203-674-0600

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

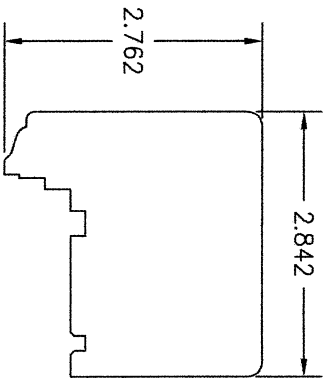
CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

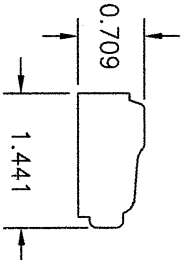
DRAWING NO. **1514** REV. **D**
SHEET NO. **5** OF **6**

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB	MAHOGANY
2	NON-I.G. GLAZING BEAD	MAHOGANY
3	NON-I.G. GLAZING BEAD	MAHOGANY
4	I.G. GLAZING BEAD	MAHOGANY
5	I.G. GLAZING BEAD	MAHOGANY
6	MULLION COVER	MAHOGANY
7	MULLION REINFORCEMENT	34 KSI STAINLESS STEEL
8	INSTALLATION CLIP	GALVANIZED 54 KSI STEEL
9	ANGLE CLIP	6061-T6 ALUMINUM
10	BTI BRACKET	GALVANIZED 54 KSI STEEL
11	I.G. GLASS SPACER	ALUMINUM
FASTENERS		
14	OPTIONAL 18 GA. X 1 1/2" S.S. CURVED NAIL	4" FROM CORNERS & 12" MAX. O.C.

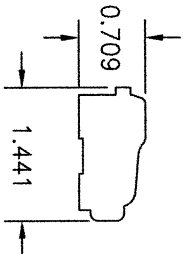
NOTE: WOOD USED IN TESTING WAS SIPO MAHOGANY WITH A SPECIFIC GRAVITY OF G = 0.63 AND A MODULUS OF ELASTICITY OF E = 1,560,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.63 AND MODULUS OF ELASTICITY OF 1,560,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY TISCHLER UND SOHN TO SELECT.



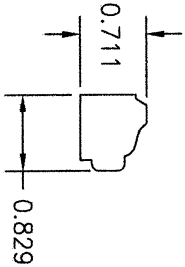
1 JAMB



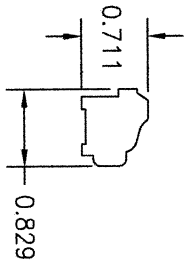
2 NON-I.G. GLAZING BEAD



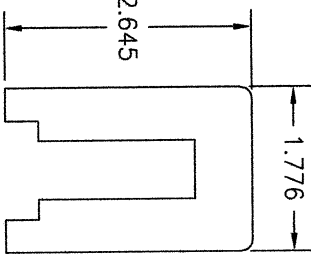
3 NON-I.G. GLAZING BEAD



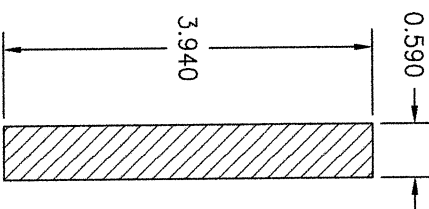
4 I.G. GLAZING BEAD



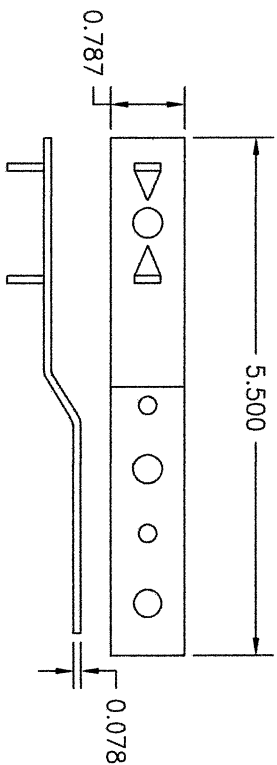
5 I.G. GLAZING BEAD



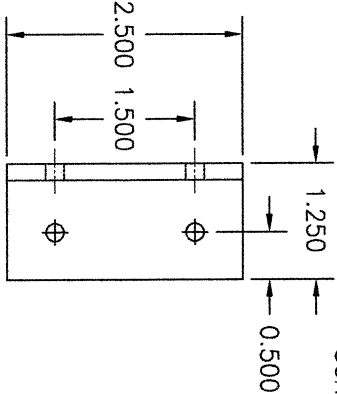
6 MULLION COVER



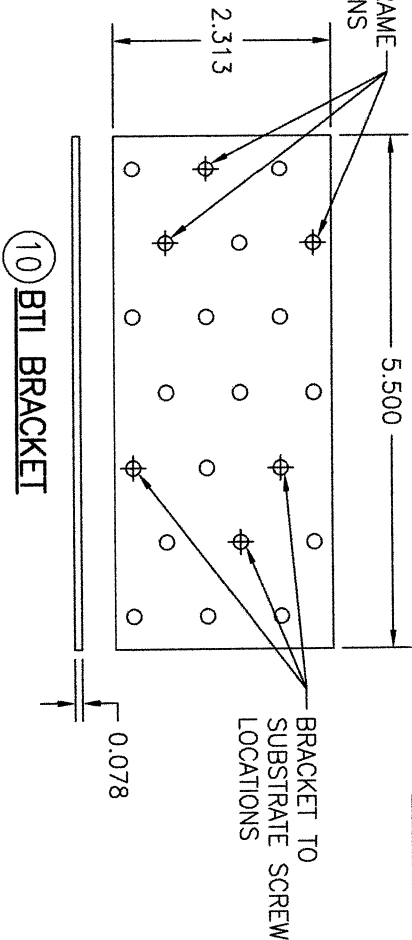
7 MULLION REINFORCEMENT



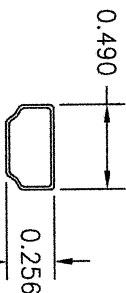
8 INSTALLATION CLIP



9 ANGLE CLIP



10 BTI BRACKET



11 I.G. GLASS SPACER

WALL THICKNESS = 0.016

NO. REVISION DESCRIPTION BY DATE					PLOT: 1-2	DRAWN BY: W.R.M.	CHECKED BY: W.M.S.
						DATE: 01/24/07	

DIRECT GLAZED FIXED IMPACT WINDOW

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

MANUFACTURER
TISCHLER UND SOHN (USA) LTD.
SIX SUBURBAN AVENUE
STAMFORD, CONNECTICUT
203-674-0600

CERTIFICATION

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. REV.
1514 D
SHEET NO.
6 OF 6