### **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. 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. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH 2018 IBC REFERENCED STANDARDS ASTM E330, E283, E331, E1886 & E1996 & AAMA 1304 FOR LARGE & SMALL MISSILE IMPACT PRODUCTS. ALL TESTING OF THIS PRODUCT TO STANDARDS LESS CURRENT THAN THOSE SPECIFIED IN THE 2018 IBC HAS BEEN DETERMINED EQUIVALENT TO THE MORE CURRENT VERSIONS OF THOSE STANDARDS REFERENCED IN THE 2018 IBC. 5. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) & IS BOTH LARGE & SMALL MISSILE IMPACT RATED. 6. WHEN GLAZED FOR SMALL MISSILE IMPACT, THIS PRODUCT MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE OR AT ANY CODE DESIGNATED LARGE MISSILE IMPACT LOCATION WITHOUT AN APPROVED SHUTTER. 7. WHEN LARGE MISSILE IMPACT GLAZED, IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS 8. 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. 9. 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 INTERNATIONAL BUILDING CODE, A DIRECTIONALITY FACTOR OF KD = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD. 10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE SEPARATED OR COATED AS REQUIRED TO AVOID CORROSION OF EITHER MATERIAL. 11. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN ARE QUALITY ASSURED BY AN APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE

11. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN ARE QUALITY
ASSURED BY AN APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE
WITH APPLICABLE STANDARDS. 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.

12. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF THEY ARE INSTALLED.

12. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF THEY ARE INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF THEY ARE INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.

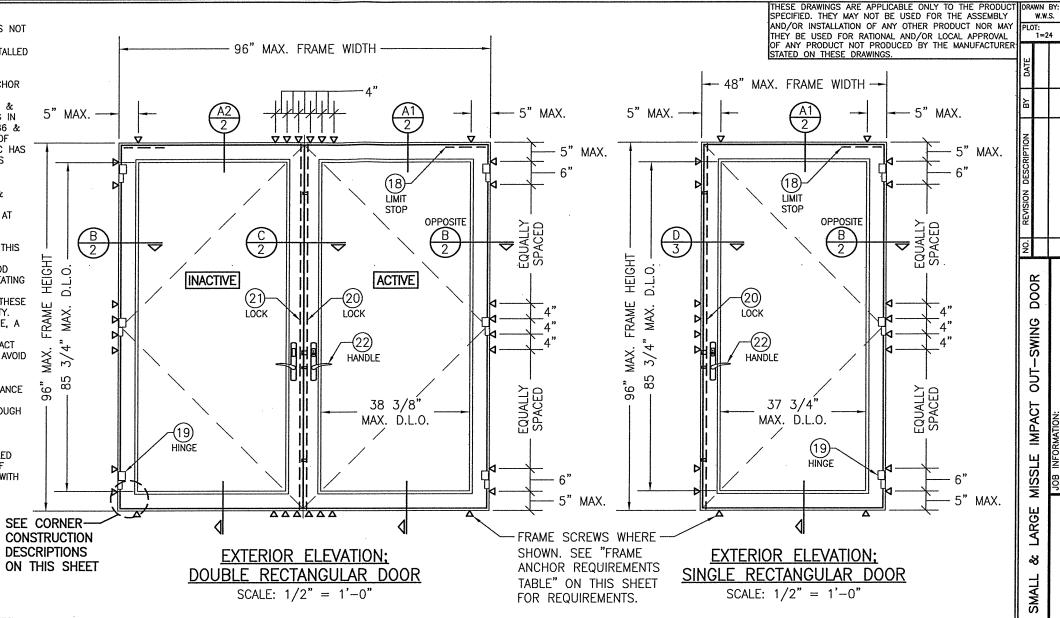
#### **CORNER CONSTRUCTION:**

FRAME: MEMBERS ARE MITER CUT, BUTTED & JOINED VIA TWO(2) SHEAR BLOCKS (PART #'S 11 & 12). EACH SHEAR BLOCK IS FASTENED TO THE THE FRAME MEMBER WITH TWO(2) 5MM X 20MM SCREWS (2 PER BLOCK; 4 PER CORNER). CORNERS, ACCESS HOLES AND SCREW HEADS ARE SEALED WITH TREMCO 600 SILICONE SEALANT & A \$1/2 X 2" BACKER ROD BETWEEN THE THERMAL BREAK. RAIL TO STILE: MEMBERS ARE MITER CUT, BUTTED & JOINED VIA A SHEAR BLOCK (PART #13). THE SHEAR BLOCK IS SNAP FIT INTO THE STILES & RAILS. CORNERS AND ACCESS HOLES ARE SEALED WITH TREMCO 600 SILICONE SEALANT.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE 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, 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							
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. 12 SMS OR WOOD SCREW	1 1/4"	7/8"				
MIN. 16 GA. 50 KSI METAL STUD	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"				
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"				
MIN. 0.100" THK 6063-T5 ALUM.	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"				
MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"				
MIN. 3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"				

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), 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.).



ALLOWABLE DESIGN PRESSURE						
GLAZING DETAIL	GLASS OPTION	ALLOWABLE PRESSURE (+/- PSF)				
LARGE	MISSILE IN	1PACT				
(L.M.I.) DOORS						
1	1	90				
1	2	90				
1	3	90				
1	4	70				
1	5	70				
2	6	70				
SMALL MISSILE IMPACT						
(S.M.I.) DOORS						
3	7	90				
3	8	90				
SEE GLAZING DETAILS ON SHEET 3 FOR GLASS & GLAZING OPTIONS						

ORAWING TITLE
2000T TERRACE SMALL & LARGE
2000T TERRACE SMALL & LARGE
CONSULTANTS
W. W. SCHAEFER ENGINEERING &
CONSULTING, P.A. (REG. NO. F-14980)
7480 150TH SORTH CONTROL OF PAIN BEACH GARDENS. FL 33418
NO. 413467
PER PAIN BEACH GARDENS. FL 33418
PHONE: 561-744-3424

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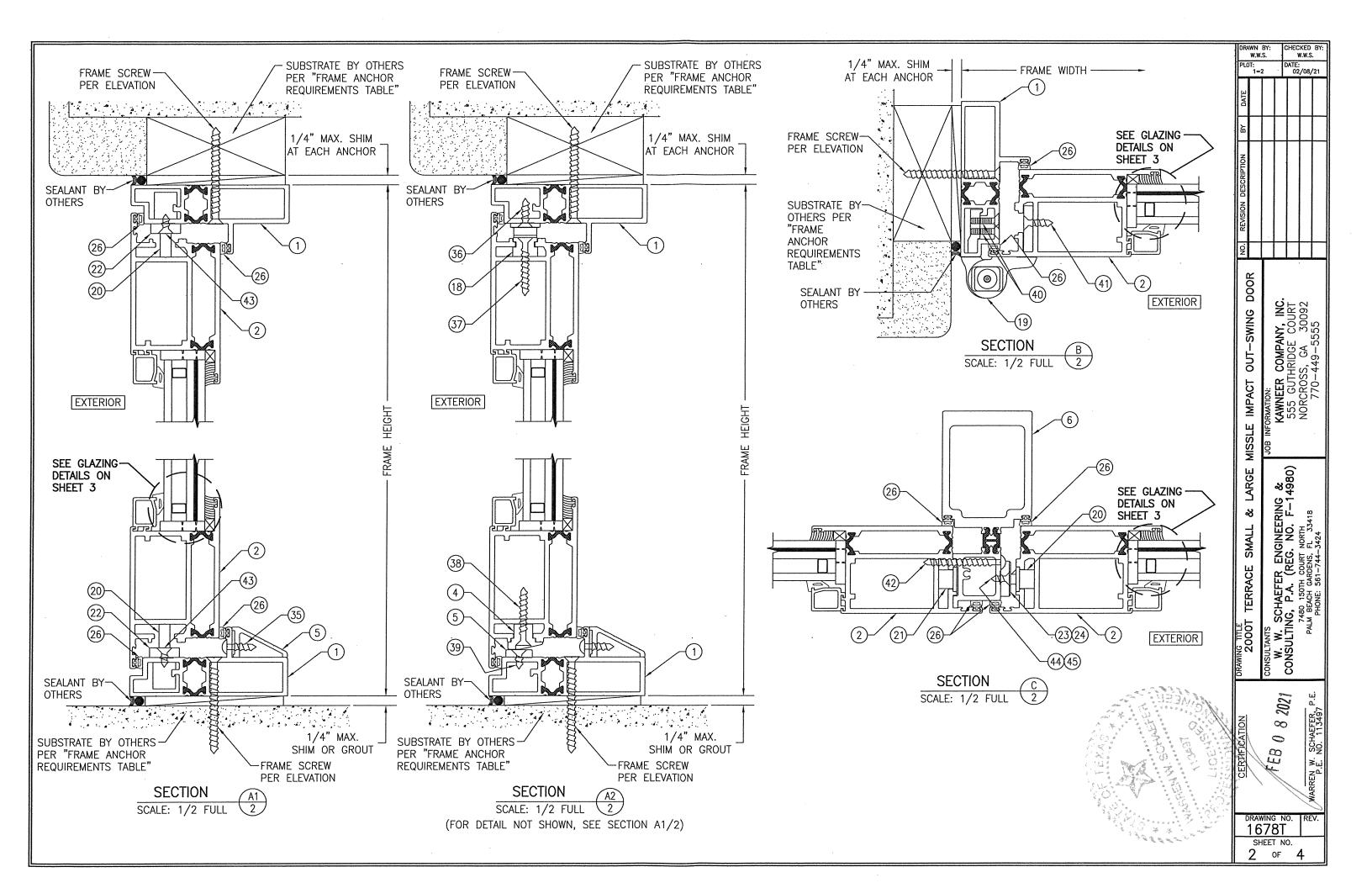
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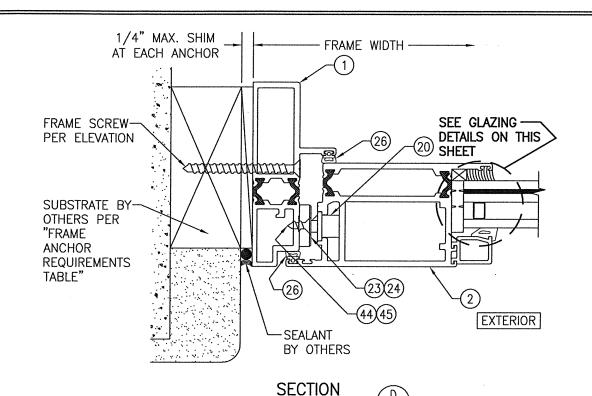
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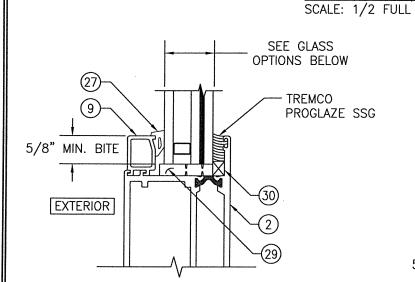
CHECKED BY:

02/08/21

KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555







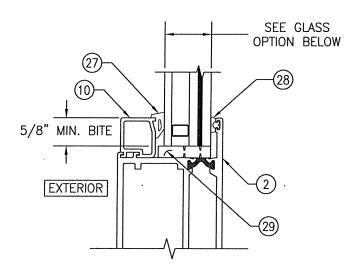
## GLAZING DETAIL 1 (L.M.I. GLASS OPTIONS 1-5

GLASS OPTION 1: 1" LAMINATED I.G. (3/16" H.S./0.075" EASTMAN CHEM. CO. SAFLEX STORM/3/16" H.S. INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR)
GLASS OPTION 2: 1" LAMINATED I.G. (3/16" H.S./0.090" KURARAY SG/3/16" H.S. INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR)
GLASS OPTION 3: 1" LAMINATED I.G. (3/16" H.S./0.100" EASTMAN CHEM. CO. SAFLEX HP/3/16" H.S. INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR)
GLASS OPTION 4: 1" LAMINATED I.G. (3/16" H.S./0.090" KURARAY BUTACITE PVB/3/16" H.S.

INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR)

H.S./0.090" EASTMAN CHEM. CO. SAFLEX/3/16" H.S. INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR)

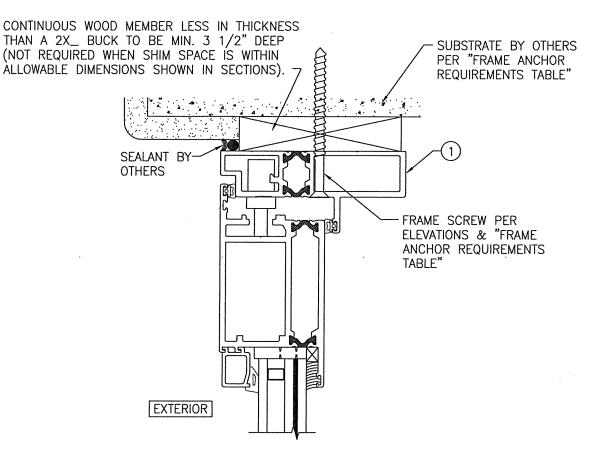
GLASS OPTION 5: 1" LAMINATED I.G. (3/16"



# GLAZING DETAIL 2 (L.M.I. GLASS OPTION 6)

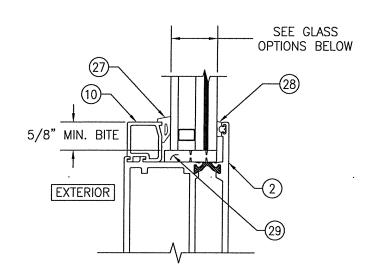
GLASS OPTION 6: 1" LAMINATED I.G. (3/16" H.S./0.090" KURARAY SG/3/16" H.S. INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR)

L.M.I. = LARGE MISSILE IMPACT S.M.I. = SMALL MISSILE IMPACT



# OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

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



## GLAZING DETAIL 3 (S.M.I. GLASS OPTIONS 7 & 8)

GLASS OPTION 7: 1" LAMINATED I.G. (3/16" H.S./0.060" KURARAY BUTACITE PVB/3/16" H.S. INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR) GLASS OPTION 8: 1" LAMINATED I.G. (3/16" H.S./0.060" EASTMAN CHEM. CO. SAFLEX/3/16" H.S. INTERIOR; 3/8" SPACER; 3/16" TEMPERED EXTERIOR)

	DRAWN BY:		CHECKED BY: W.W.S.				BY:	1	
	PLOT:	DRAWN BY: W.W.S. PLOT: 1=2			W.W.S. DATE: 02/08/21				1
	BY DATE								
	Æ					Γ			
	REVISION DESCRIPTION								
	2	lacksquare		_	Veneza (	L			-
	MALL & LARGE MISSLE IMPACT OUT-SWING DOOR	JOB INF				NORCROSS, GA 30092		//0-449-5555	
	DRAWING TITLE 2000T TERRACE SMALL & LARGE	CONSULTANTS	W. W. SCHAEFER ENGINEERING &	COUNTRICE TO COUNT	COINCOLLING, P.A. (AEG. NO. 1-14900)	7480 150TH COURT NORTH	. PALM BEACH GARDENS, FL 33418	PHONE: 561-744-3424	
	CERTIFICATION	11			\	<b>*</b>	WARREN W SCHAFFER DF	// P.E. NO. 113497	
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