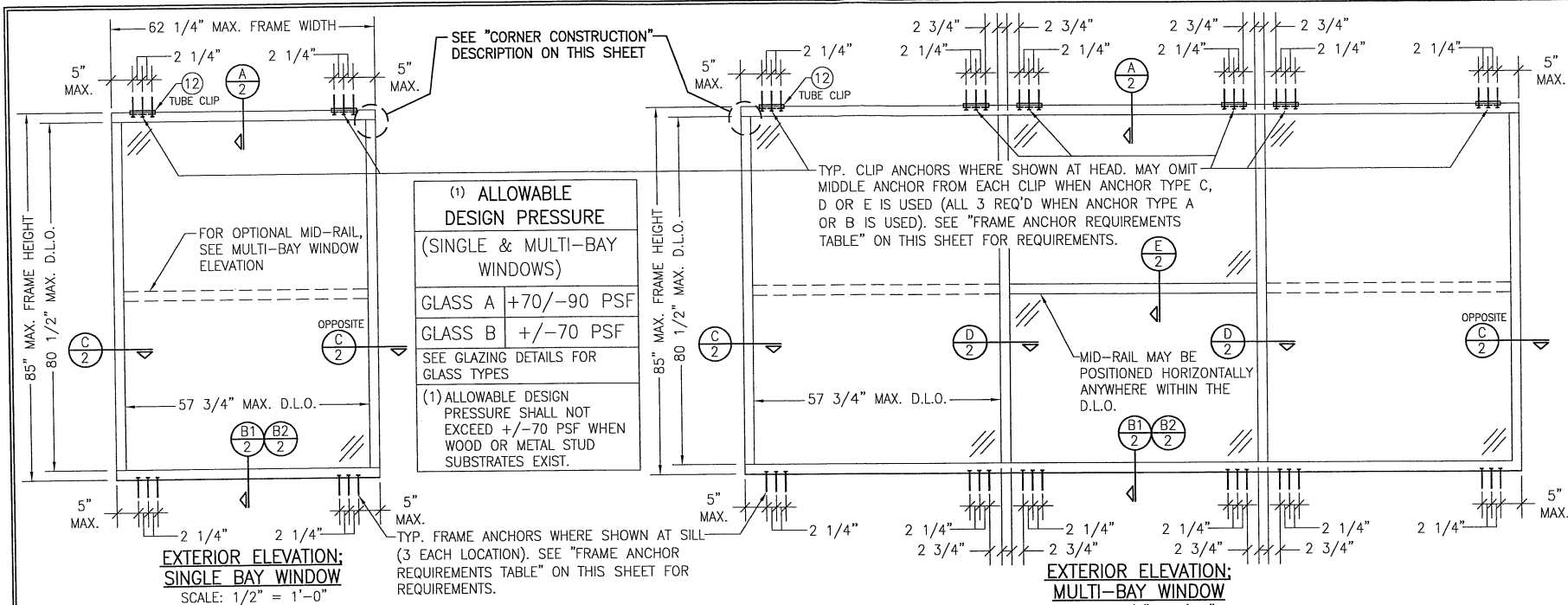




CORNER CONSTRUCTION:

FRAME CORNER: HEAD AND SILL MEMBERS RUN THROUGH AND ARE SQUARE CUT, BUTTED TO VERTICAL MEMBERS, FASTENED WITH FOUR(4) NO. 12 X 1 1/2\" S.S. PHTFS FASTENERS THROUGH THE HEAD/SILL MEMBER INTO THE VERTICAL MEMBERS SCREW SPLINES & SEALED WITH SILICONE.

MID-RAIL END: MID-RAIL IS SQUARE CUT, BUTTED TO VERTICAL MEMBERS, FASTENED WITH THREE(3) NO. 10 X 1 19/32\" S.S. PHTFS FASTENERS THROUGH THE VERTICAL MEMBERS INTO THE MID-RAIL SHEAR BLOCK SCREW SPLINES & SEALED WITH SILICONE.

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 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

FRAME/CLIP SCREWS				
ANCHOR TYPE	OPENING TYPE (SUBSTRATE)	FRAME & CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
A	MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
B	MIN. 18 GA. 33 KSI METAL STUD	(2) 1/4-20 OR 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
C	MIN. 1/8" THICK A36 STEEL	(2) 1/4-20 OR 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
D	MIN. 0.115" THK 6063-T6 ALUM.	(2) 1/4-20 OR 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
E	3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	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.).

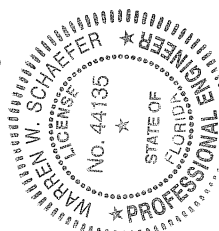
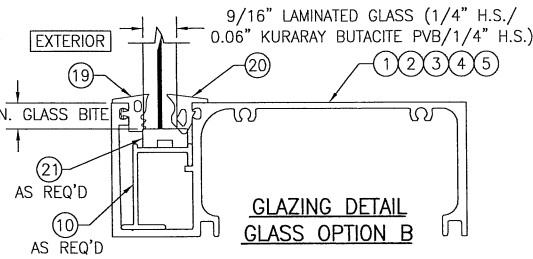
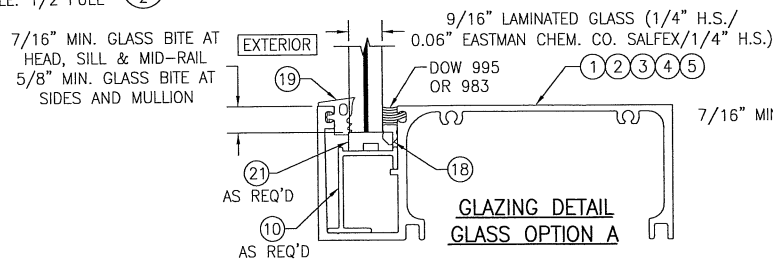
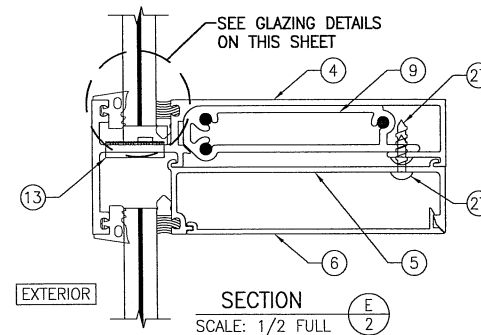
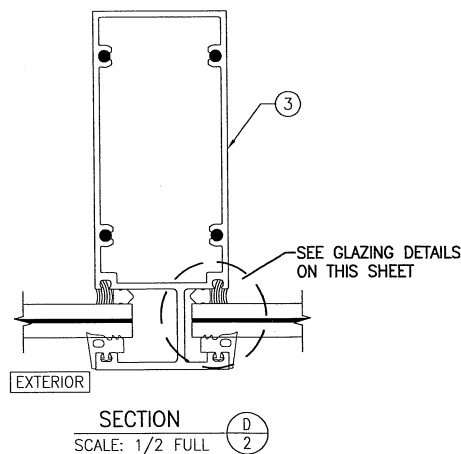
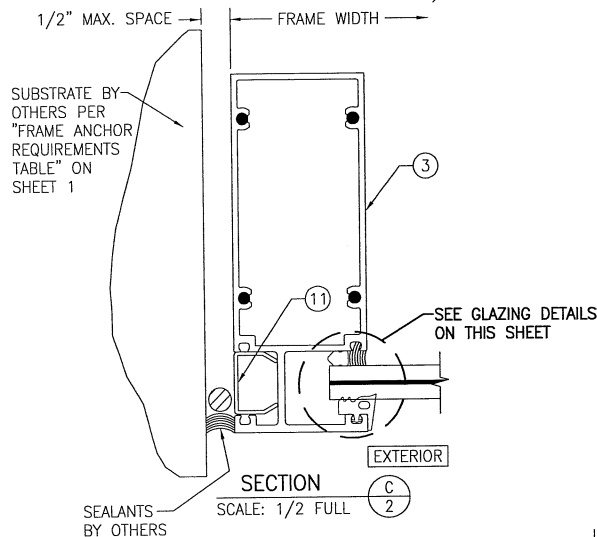
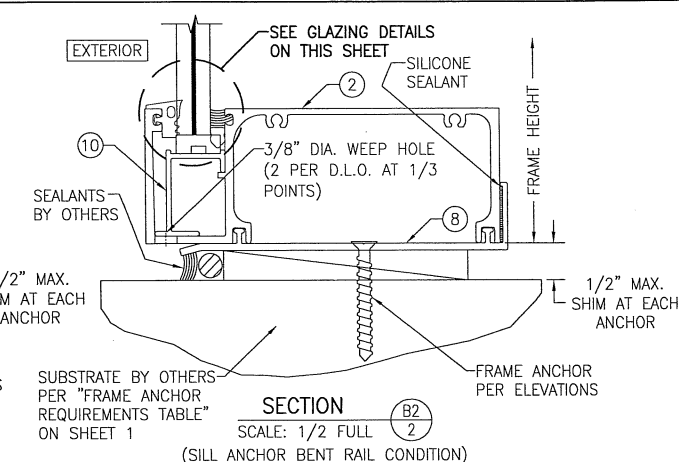
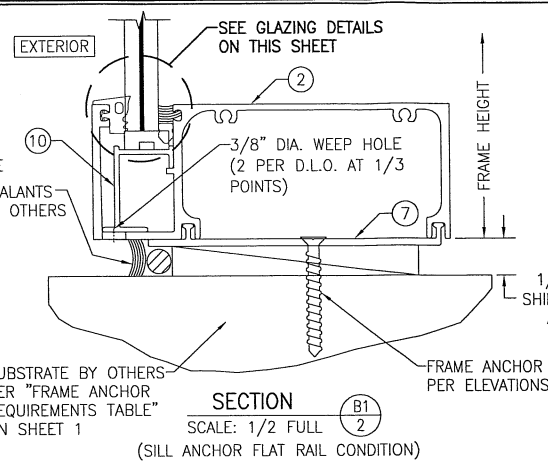
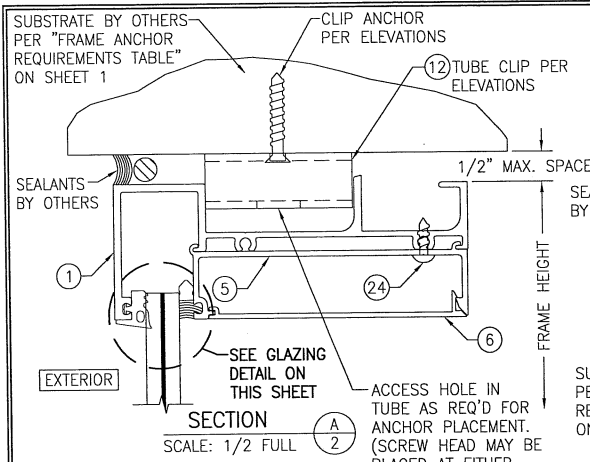
(2) SELF DRILLING & SELF TAPPING SCREWS SHALL BE MIN. GRADE 5 CORROSION RESISTANT STEEL

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 SMALL MISSILE IMPACT RATED.
5. 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.
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 $K_d = 0.85$ 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 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 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.

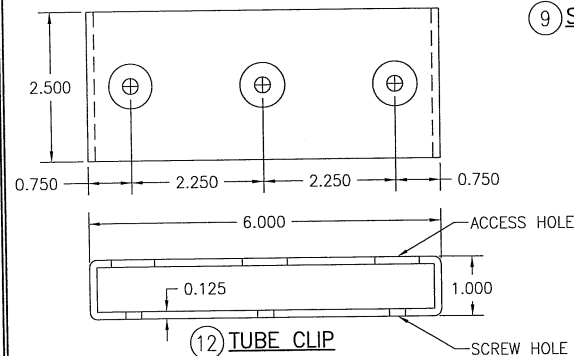
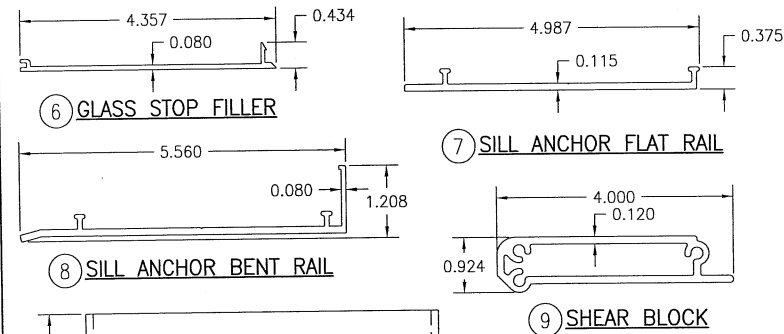
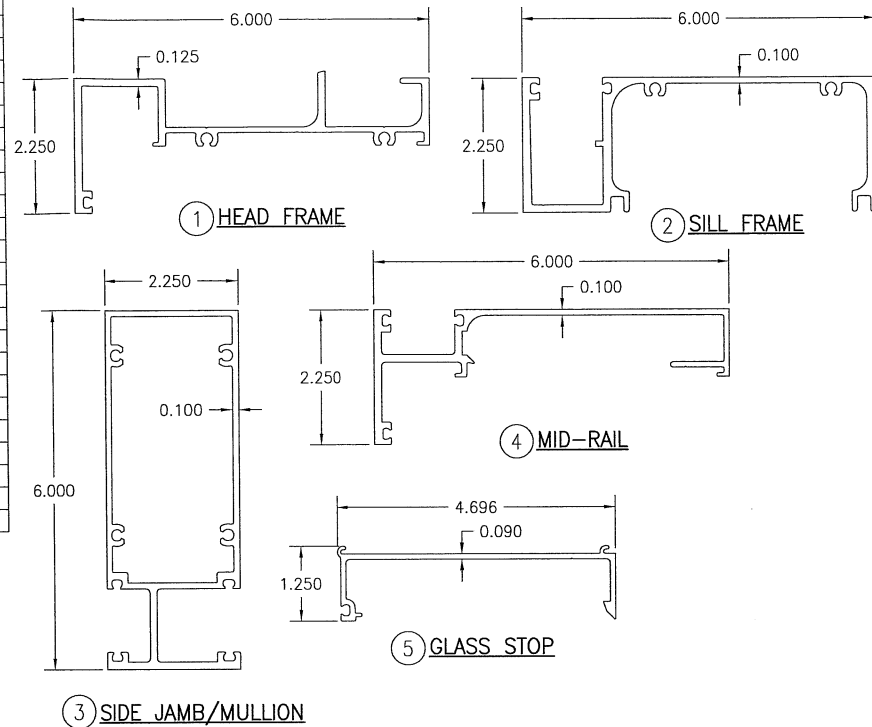
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 03/04/08	
DATE	BY	REVISION DESCRIPTION	
10/06/11		A1 UPDATE TO CURRENT STANDARDS	
08/10/12		B1 ADD THIRD BAY TO ELEVATION	
12/02/16		C1 CHANGE TO STATE APPROVAL	
DRAWING TITLE FG623 WINDOW WALL SYSTEM (S.M.I.) MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555 CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3423 CERTIFICATION DEC 02 2016 W. W. SCHAEFER, P.E. P.E. NO. 44135 DRAWING NO. 1581 SHEET NO. 1 OF 3			



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 03/04/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE	FG623 WINDOW WALL SYSTEM (S.M.I.)
MANUFACTURER	KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555
CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION	DEC 02 2016 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	1581
REV.	C
SHEET NO.	2 OF 3

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	623-105	HEAD FRAME	6063-T6 ALUMINUM
2	623-113	SILL FRAME	6063-T6 ALUMINUM
3	623-107	SIDE JAMB/MULLION	6063-T6 ALUMINUM
4	623-103	MID-RAIL	6063-T6 ALUMINUM
5	623-104	GLASS STOP	6063-T6 ALUMINUM
6	623-111	GLASS STOP FILLER	6063-T6 ALUMINUM
7	623-110	SILL ANCHOR FLAT RAIL	6063-T6 ALUMINUM
8	804-171	SILL ANCHOR BENT RAIL	6063-T6 ALUMINUM
9	623-409	SHEAR BLOCK	6063-T6 ALUMINUM
10	623-402	SETTING BLOCK CHAIR	6063-T6 ALUMINUM
11	623-112	JAMB POCKET FILLER	6063-T6 ALUMINUM
12	623-406	TUBE CLIP	6063-T6 ALUMINUM
13	175-313	WATER DEFLECTOR	RIGID PVC
SEALS AND SEALANTS			
18	127-038	WEDGE GASKET	SCR-900
19	027-850	EXTERIOR GLAZING FIXED GASKET	EPDM (DUROMETER 60+/-5)
20	127-028	INTERIOR GLAZING FIXED GASKET	EPDM (DUROMETER 70+/-5)
21	027-017	SETTING BLOCK AS REQ'D	EPDM
22	68-605	SIDE BLOCK (USED WITH GLASS TYPE B)	EPDM
23	422-434	W BLOCK (USED WITH GLASS TYPE B)	EPDM
MISCELLANEOUS FASTENERS			
27	-	NO. 10 X 5/8" PHTFS S.S. SCREW	WITHIN 6" OF ENDS & 18" MAX. O.C.



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/04/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE FG623 WINDOW WALL SYSTEM (S.M.I.)	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
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 LICENSE NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER	
DEC 02 2016	
DRAWING NO. 1581	REV. C
SHEET NO. 3 OF 3	