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 FASTÈNERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO
- 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
- 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, F588, E1886 & E1996 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 MEET THE REQUIREMENTS OF THE 2018 INTERNATIONAL
- 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.
- IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
- 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 WITH APPLICABLE STANDARDS. THESE DRAWINGS SHOW ALL APPLICABLE ÉLEVATION, 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 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:

1600 FRAME: THE VERTICAL FRAME MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED & JOINED VIA A SHEAR BLOCK (PART #12). THE SHEAR BLOCK IS FASTENED TO THE VERTICAL FRAME MEMBER WITH TWO(2) NO. 12 X 1 7/8" PHTF TYPE B SCREWS. THE HORIZONTAL MEMBER IS FASTENED TO THE SHEAR BLOCK WITH TWO(2) NO. 12 X 7/8" FHTF TYPE AB SCREWS. EACH CORNER IS SEALED WITH DOW 795 SILICONE SEALANT. WINDOW FRAME: THE VERTICAL MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED & JOINED WITH TWO(2) NO. 10 X 1" PHTF SCREWS THRU THE VERTICAL MEMBER INTO THE HORIZONTAL MEMBERS SCREW SPLINE. EACH CORNER IS SEALED WITH DOW 795

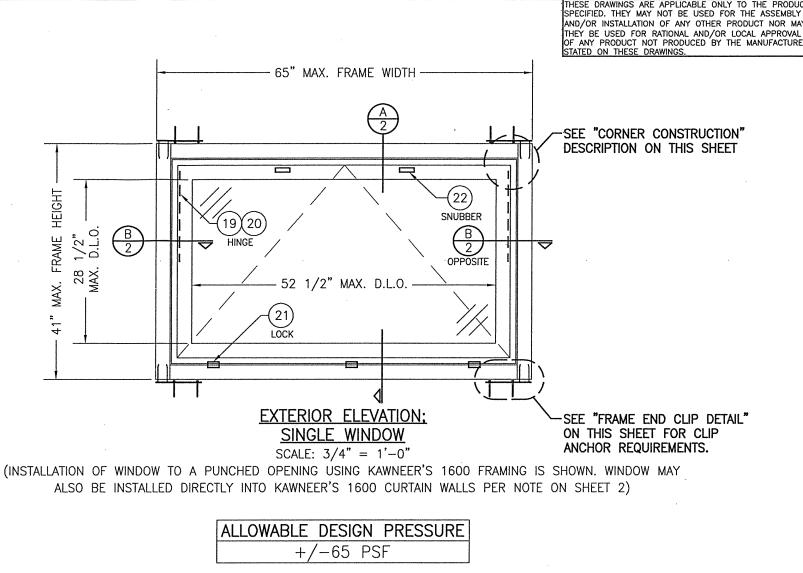
SASH: MITER CUT AND JOINED WITH A 2 7/8" X 2 7/8" X 1/2" THK. X 1/2" LONG ALUMINUM CORNER KEY. EACH CORNER IS SEALED WITH SCHNEE-MOREHEAD 5504 SEAM SEALER.

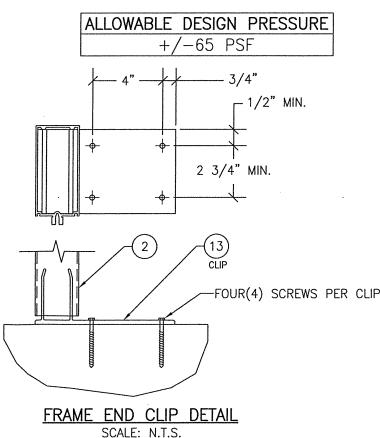
EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL 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 END CLIP ANCHORS		
CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) (2) 1/4" CONCRETE SCREW	1 1/4"	1"
(2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(1) (2) 1/4" CONCRETE SCREW	1 1/4"	2"
	CLIP TO OPENING FASTENER TYPE (1) (2) 1/4" CONCRETE SCREW (2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW (2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW (2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW	CLIP TO OPENING FASTENER TYPE (1) (2) 1/4" CONCRETE SCREW (2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW FULL (2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW FULL (2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW FULL (2) 1/4-14 GR. 5 SELF TAP/DRILL SCREW FULL

(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) SCREWŚ MAY BE FLAT HEAD, PAN HEAD OR HEX HEAD.







W. W. SCHAEF

W.W.S.

03/03/21

WINDOW

PROJECT-OUT

IMPACT

MISSLE

SMALL

શ્ર

LARGE

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

FER ENGINEERING &
A. (REG. NO. F-14980)
TH COURT NORTH
GARDENS, F. 33418

1615T SHEET NO.

OF

