

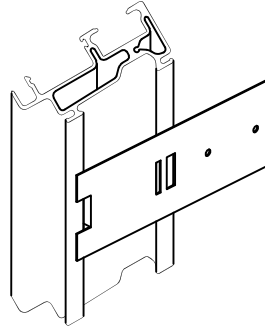
A GOOD INSTALLATION ENSURES LASTING WINDOW PERFORMANCE.

BUILDING CODES, ENVIRONMENTAL CONDITIONS, APPROVED SHOP DRAWINGS MAY VARY & SUPERSEDE THE PROCEDURES CONTAINED BELOW. THE RESPONSIBILITY FOR COMPLIANCE IS THE PROJECT'S OWNER(S), INSTALLERS, ARCHITECT, INSPECTORS, & ENVELOPE CONSULTANT'S.

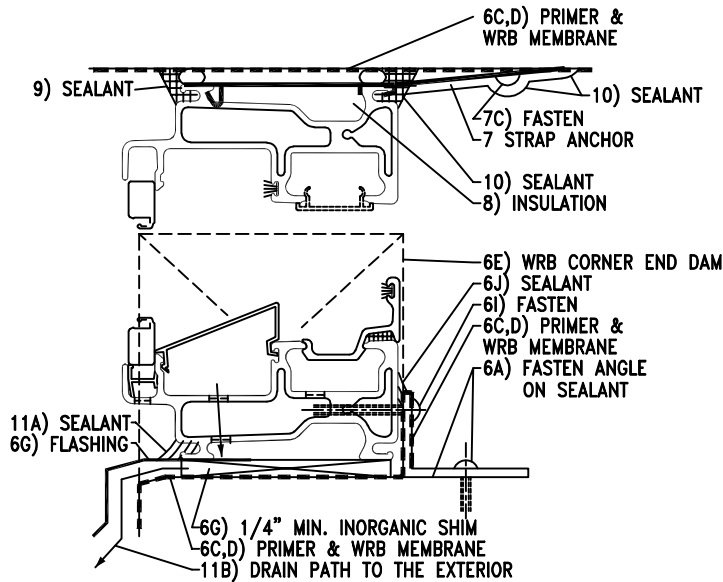
1. HANDLE CAREFULLY TO PREVENT DAMAGES TO FRAMING, SEALS, HARDWARE & FINISHES.
2. STORE WITH NON-ABRASIVE SEPARATORS BETWEEN FRAMES. WINDOWS SHOULD BE STORED IN A PLACE PROTECTED FROM WEATHER.
3. WINDOWS SHALL BE INSTALLED IN OPENINGS PRESTRIPPED WITH FULLY ADHERED AND WATER SEALED WRB(WATER RESISTIVE BARRIER) MEMBRANE.
4. WINDOWS SHOULD NOT BE LOAD BEARING AFTER INSTALLATION. WINDOWS SHOULD NOT BE MODIFIED TO ACCOMMODATE AIR CONDITIONERS, EXHAUST FANS, ETC. WITHOUT CONSENSUS FROM INLINE.
5. R.O. – PRODUCT WAS DEVELOPED & TESTED AS A "RAINSCREEN" SYSTEM INTEGRATED INTO THE WALL SYSTEM DESIGNED TO MANAGE WATER AT THE R.O.
SEE BRICK VENEER SILL EXAMPLE 5) SEE EXAMPLES BELOW FOR LOW TO MODRATE DESIGN PRESSURE REQUIREMENTS.
- 6a. INSTALLATION USING SILL RETENTION L-ANGLE
 - A. SET THE 1 1/2" X 2 1/2" X 1/8" THICK INSTALLATION ANGLE ON SEALANT AND FASTEN DOWN TO SUBSTRAIGHT.
 - B. APPLY TOE BEAD AT THE FRONT OF THE ANGLE.
 - C. APPLY PRIMER TO THE DESIGNATED WRB SURFACES
 - D. INSTALL WRB MEMBRANE WRAPPING ANGLE. WRAPPING AROUND UPSTANDING LEG IS PREFERRED.
 - E. INSTALL WRB CORNER END DAMS MEMBRANE ON TOP OF THE SILL WRB & UP 4" ALONG EACH JAMB TO INTERCEPT ANY WATER THAT MAY MIGRATE Laterally INTO THE R.O. CORNERS.
 - F. APPLY GENEROUS AMOUNT OF SEALANT ON THE MEMBRANE AT THE EXTERIOR FACE OF THE INSTALLATION ANGLE.
 - G. SET 1/4" MIN. INORGANIC SHIMS ON MEMBRANE. SET DRIP FLASHING ON TOP OF THE SIMS AS SHOWN BELOW.
 - H. SET WINDOW ON SIMS & FLASHING.
 - I. FASTEN THE WINDOW AT THE HEAD, JAMB & TO THE INSTALLATION ANGLE. SEE BELOW FOR MINIMUM SHIMMING AND ANCHORING SPECIFICATION.
 - J. TOOL SQUEEZE OUT AT TOP OF INSTALLATION ANGLE TO WINDOW SILL. IF NOT PRESENT APPLY POST INSTALLATION BEAD & TOOL.
 - K. SEAL & TOOL OVER STRAP ANCHORS & FASTENERS, AND FULL WINDOW FRAME PERIMETER TO THE R.O. WRB.
- 6b. INSTALLATION USING SILL RETENTION UPSTAND BLOCKING & STRAP ANCHORS
 - A. SET THE MINIMUM 1/4" HIGH RIGID BLOCKING ON SEALANT AND FASTEN DOWN TO SUBSTRAIGHT.
 - B. APPLY TOE BEAD AT THE FRONT OF THE BLOCKING.
 - C. APPLY PRIMER TO THE DESIGNATED WRB SURFACES.
 - D. INSTALL WRB MEMBRANE WRAPPING THE BLOCKING
 - E. INSTALL WRB CORNER END DAMS WRB MEMBRANE ON TOP OF THE SILL WRB & UP 4" ALONG EACH JAMB TO INTERCEPT WATER MIGRATING Laterally INTO THE R.O. CORNERS.
 - G. SET 1/4" MIN. INORGANIC SHIMS ON MEMBRANE. SET DRIP FLASHING ON TOP OF THE SIMS AS SHOWN BELOW.
 - H. SET WINDOW ON SIMS & FLASHING AND AT A MAXIMUM 1/8" IN FRONT OF THE UPSTAND BLOCKING.
 - I. FASTEN WINDOW THROUGH THE STRAP ANCHORS AT HEAD, JAMBS & SILL.
 - J. SEAL & TOOL OVER STRAP ANCHORS & FASTENERS, AND FULL PERIMETER WINDOW FRAME TO THE R.O. WRB.
7. HEAD & JAMB (OPTION WITH STRAP ANCHOR) ANCHORAGE (SEE BELOW FOR MINIMUM SHIMMING AND ANCHORING LOCATIONS)
 - A. SNAP STRAP ANCHORS ON WINDOW FRAME AT LOCATIONS AS SPECIFIED BELOW OR AS PER ENGINEERING RECOMMENDATIONS.
 - B. SHIM THE SPACE BETWEEN THE WINDOW & R.O. (ROUGH OPENING) AT THE SILL & ANCHOR LOCATIONS FOR SUPPORT ACROSS THE ENTIRE DEPTH OF THE FRAME. ADJUST SHIM TO SUPPORT, LEVEL AND SQUARE THE WINDOW FRAME. DO NOT PLACE SHIM AT THE HEAD.
 - C. FASTEN STRAP ANCHORS TO R.O.
8. INSULATION AT THE PERIMETER CAVITIES – INSULATE THE SPACE BETWEEN THE WINDOW FRAMES AND ROUGH OPENING (R.O.). AT THE HEAD AND WINDOW SIDES(JAMBS).
DO NOT INSULATE AT THE SILL. IF THERE IS A NEED FOR INSULATION BELOW THE WINDOW SILL(SUBSILL), LEAVE UNOBSTRUCTED VOIDS FOR DRAINAGE AND VENTING TO THE EXTERIOR.
USE LOW EXPANSION FOAM OR FIBROUS INSULATION. CAUTION: DO NOT DISTORT FRAME BY OVER FILLING OR OVER PACKING.
9. CAULK THE EXTERIOR PERIMETER TO PROVIDE EFFECTIVE WATER SHEDDING BARRIER BETWEEN WALL AND WINDOW TO PREVENT RAIN AND SNOW INGRESS INTO THE CAVITY BETWEEN THE WINDOW AND R.O.
10. CAULK INTERIOR PERIMETER BETWEEN WINDOW, WALL, INSTALLATION ANGLE OR UPSTAND BLOCKING, AROUND STRAP ANCHORS & ANCHOR SCREW HEADS WITH A CONTINUOUS BEAD DESIGNED & CONSTRUCTED TO FORM AN EFFECTIVE MOISTURE AND AIR BARRIER.
11. AT EXTERIOR WINDOW SILL: A. PROVIDE CONTINUOUS SEALANT BEAD BETWEEN THE SILL FLASHING AND WINDOW FRAME SILL.
B. PROVIDE WEEP SLOTS IN THE SEALANT BENEATH THE SILL FLASHING OR LEAVE UNSEALED, TO CREATE AN EFFECTIVE DRAIN AND VENTING PATH TO THE EXTERIOR.
12. MAINTANANCE – WASH GLASS, FRAME, & HARDWARE WITH NON-ABRASIVE CLEANER & WATER. CLEAN & LUBRICATE WITH ONLY SILICONE LUBRICANT ALL HARDWARE & WEATHERSTRIP IMMEDIATELY AFTER WINDOW IS INSTALLED, & EVERY SIX MONTHS MIN.
13. NOTE: ALL SEALANT APPLICATION SHALL INCLUDE THE FOLLOWING STEPS.
 - A. SURFACE PREPARATION WIPE THE SURFACE WITH ALCOHOL.
 - B. PROPER SEALANT BEAD DISPENSING. USE RIGHT NOZZLE SIZE.
 - C. TOOLING OF BEAD TO ACHIEVE PROPER SHAPE & BOND.
14. WRB INSTALLATION
 - A. USE PRIMER
 - B. MAINTAIN FULL ADHESION & SUPPORT
 - C. APPLY THE WRB MEMBRANE FREE OF WRINKLES & AIR POCKETS



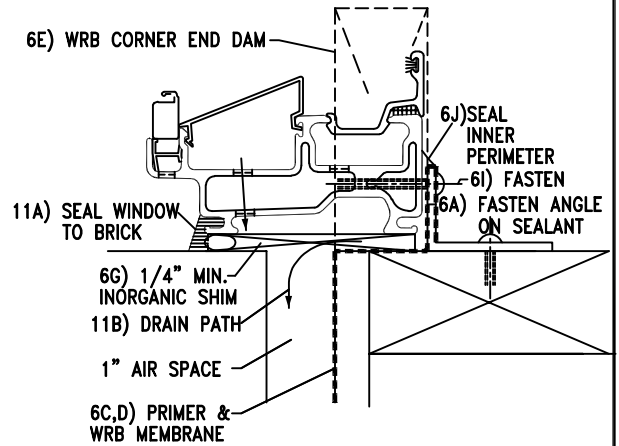
7A) PERIMETER
METAL ANCHOR



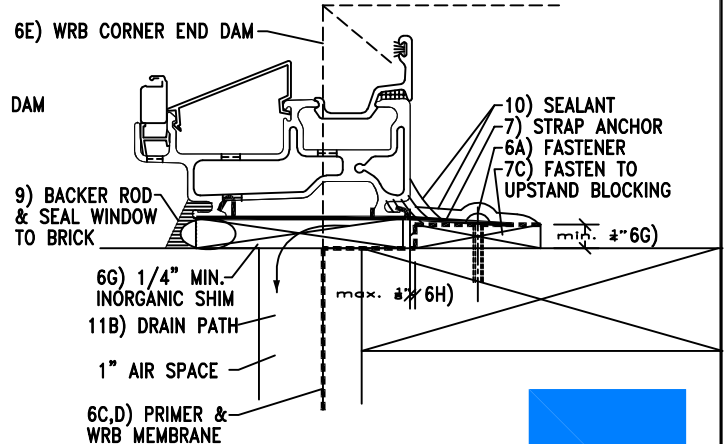
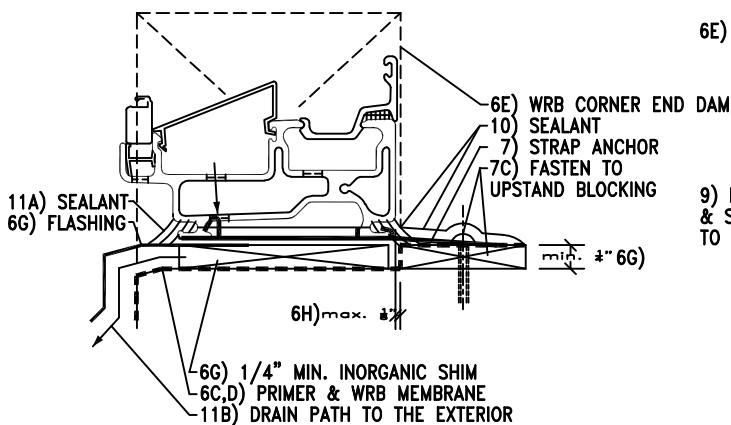
6a. INSTALLATION USING SILL RETENTION L-ANGLE



5) EXAMPLE: WATER MANAGEMENT AT SILL R.O. WITH BRICK VENEER

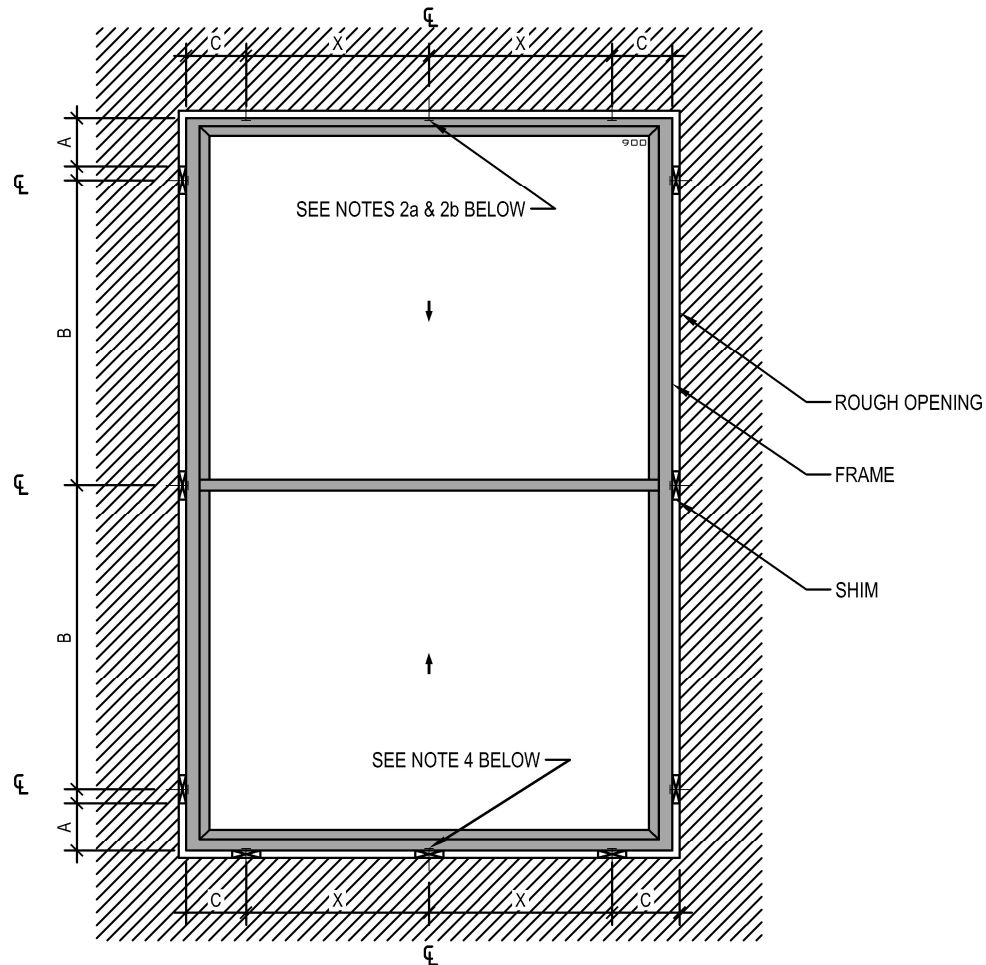


6b. INSTALLATION USING SILL RETENTION UPSTAND BLOCKING & STRAP ANCHORS



900 SERIES - VERTICAL SLIDING WINDOW

SHIMMING AND ANCHORING



SHIMS & FASTENERS AT SILL (*FASTENERS ONLY AT HEADER):

X = 400mm (16") o/c maximum
C = 50mm (2") maximum from the corners

SHIMS & FASTENERS AT JAMBS:

A = 200mm (8") minimum.
B = 600mm (24") maximum.
At meeting rail or similar (ie. jamb jacks)

NOTES

- 1a) The maximum distance between anchors should ensure that members remain straight under loading
- 1b) Additional anchors may be installed if deemed necessary to ensure proper operation and performance of the fenestration product
- 2a) Anchors at the head of the window shall be designed to restrict inward & outward movement, while still allowing for differential movement between the head of the unit and the lintel.
- 2b) If the windows use a nail flange, the fastener heads need to be seated on the nail flange and should have slots to allow for up and down movement.
- 2c) If brackets of continuous angles are used at the jambs and at the head, they need to have slots to allow for lateral movement and slots, fastener head and bracket/angle perimeters shall be sealed.
- 3) Where fasteners are installed through the fenestration product frames, holes shall be predrilled through the frames to accommodate the fastener. Fasteners shall be installed with heads firmly seated against the frame without causing visible bending or twisting of the frames
- 4) Fasteners shall not penetrate horizontal flashings beneath the windows unless the flashing material is self sealing.

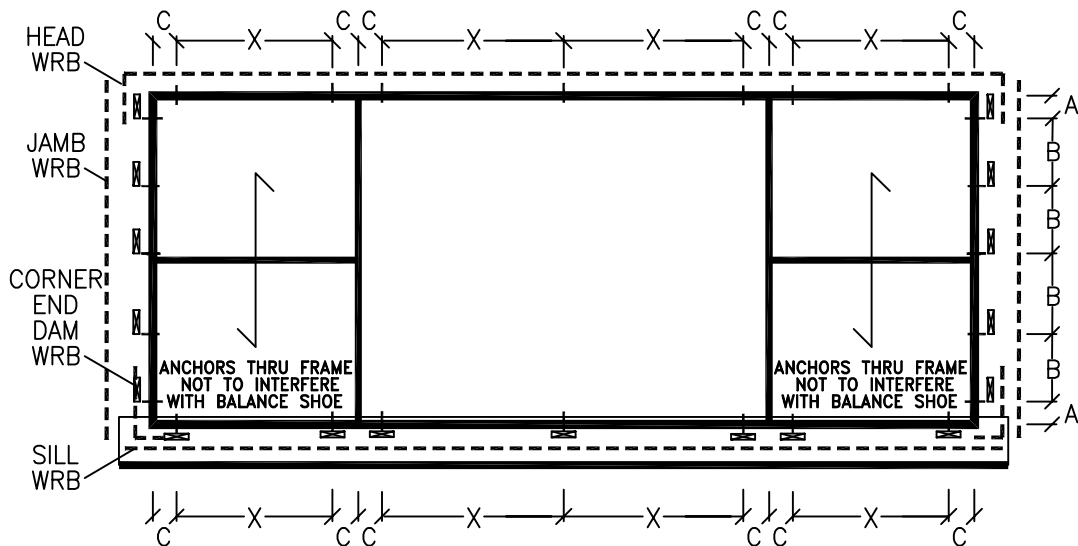
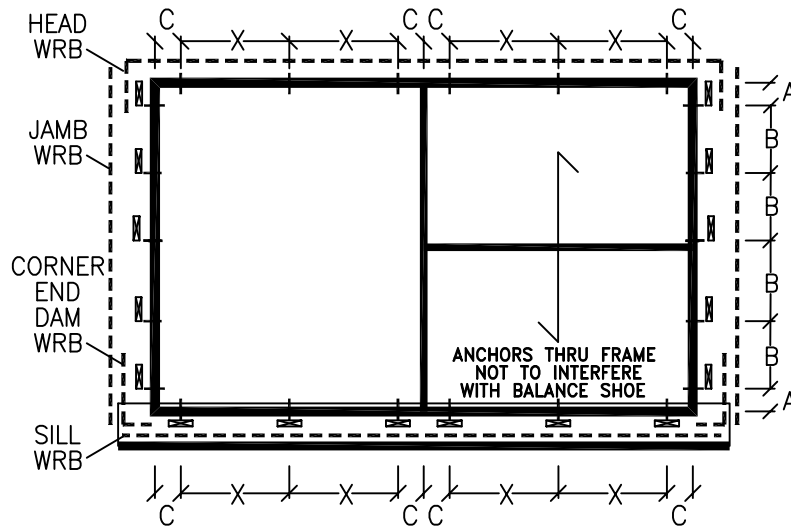
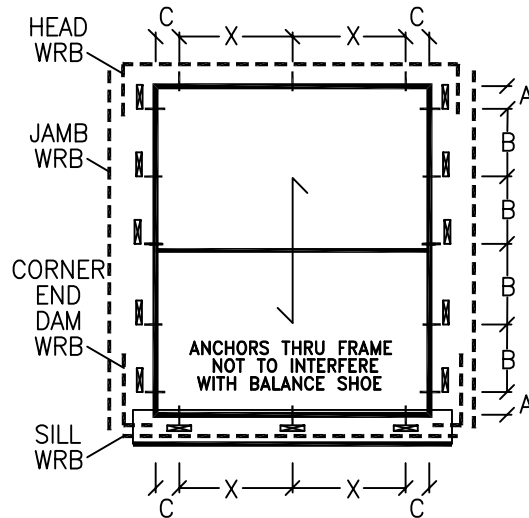
FOOT NOTES

In general, Inline Fiberglass requires installation in accordance to the CSA-A440 and ASTM2112 Standards unless otherwise specified.



30 CONSTELLATION COURT.
TORONTO, ONTARIO,
CANADA, M9W 1K1
900-p3 of 6
OCTOBER 2024

RECOMMENDED WRB WRAP & MINIMUM SHIM & ANCHOR LOCATIONS





SPRAY FOAM AT PERIMETER

TOOLED SEALANT AT PERIMETER



TOOLED SEALANT OVER
SCREWHEAD

WATER RESISTANT MEMBRANE



STRAP ANCHOR

BACKER ROD AT PERIMETER

CONTINUOUS UP-STAND AT SILL

KEY NOTES:

1. SEALANT INSTALLATION SHALL INVOLVE:

- a. SURFACE PREPARATION AND CLEANING OF CONTAMINANTS.
- b. ADEQUATE MATERIAL APPLICATION TO ENSURE SUFFICIENT BITE OF SEALANT ON THE SUBSTRATE SURFACE E.G.FULL COVERAGE INCLUDING INTERIOR PERIMETER ACCESSORY GROOVES IF APPLICABLE.
- c. SEALANT SHALL ALSO BE APPLIED TO COMPLETELY SEAL ALL INSTALLATION STRAP ANCHORS AND STRAP ANCHOR FASTENERS - MORE INFORMATION ON INTERIOR SEALANT CAN BE FOUND WITHIN THIS SET OF SHOP DRAWINGS.
- d. TOOLING.

2. FENESTRATION PRODUCT SHIMMING:

- a. MINIMUM SHIMMING AT THE SILL SHALL BE ¼”.
- b. SHIMMING SHALL BE PROVIDED ACROSS THE ENTIRE DEPTH OF THE SILL.
- c. SHIMS UNDER THE SILL SHALL BE OF NON-ORGANIC MATERIAL (NOT WOOD) CAPABLE OF TRANSFERRING THE DEAD LOAD WITHOUT DAMAGE TO THE WINDOW OR RO WATERPROOFING MEMBRANES.

3. BACKER ROD INSTALLATION OR SPRAY FOAM APPLICATION:

- a. SHALL BE INTERRUPTED AT THE EXTERIOR WEEP HOLES OR PATHWAYS FOR INSTALLED PRODUCT VENTING AND DRAINING.
- b. HIGH DENSITY LOW EXPANDING WINDOW INSTALLATION FOAM IS RECOMMENDED.
- c. AVOID EXCESSIVE APPLICATION RESULTING IN DISTORTION OF THE PRODUCT FRAMING.

4. PEEL AND STICK WATERPROOFING MEMBRANE INSTALLATION:

- a. USE PRIMER BEFORE MEMBRANE IS LAID.
- b. MINIMUM LAP ON RETURN OF MEMBRANE SHALL BE 2”.
- c. MEMBRANE MUST BE FULLY BONDED TO PRIMED SUBSTRATE WITH NO WRINKLIES, “FISH MOUTHS”, AND/OR AIR POCKETS.
- d. USE CORNER MEMBRANE PATCHES FIRST
- e. APPLY MEMBRANE BETWEEN CORNER PATCHES
- f. SEAL MEMBRANE TRANSITIONS AT THE CORNERS WITH ELASTOMERIC SEALANT

NOTE: INSTALL WINDOWS WITH FOLLOWING TOLERANCES:

- 1. LEVEL: LESS THAN 1/16"
- 2. SQUARE NESS: LESS THAN 1/16 AT THE DIAGONAL MEASUREMENT
- 3. PLUMB: LESS THAN 1/16"

NOTE: INLINE FIBERGLASS' DRAWINGS PROVIDE ONLY DETAILS OF FENESTRATION PRODUCT INSTALLATION PERTAINING TO THE PRODUCT ITSELF AND ITS TRANSITION TO THE ADJACENT WALL SYSTEM(S) AND DO NOT ADDRESS DESIGN FEATURES OF THE ADJACENT BUILDING ELEMENTS INCLUDED WITHIN THE DETAILS

