



FeelSafe Bi-Fold Door 4-Wide Nail Fin Installation / Impact

CCL Listing #429-H-000.00

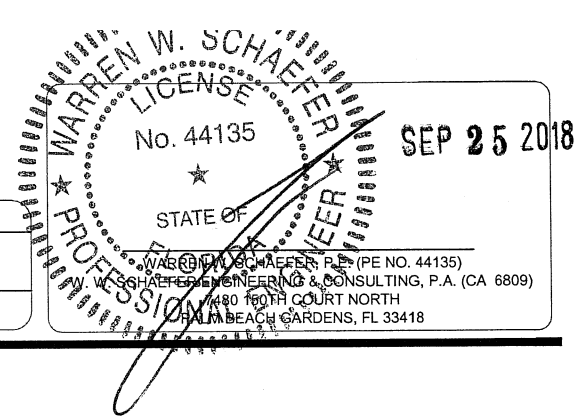
Quast Consulting & Testing# QCT17-4534.01

FeelSafe Aluminum Clad Wood Bi-Fold Door Installation Instructions

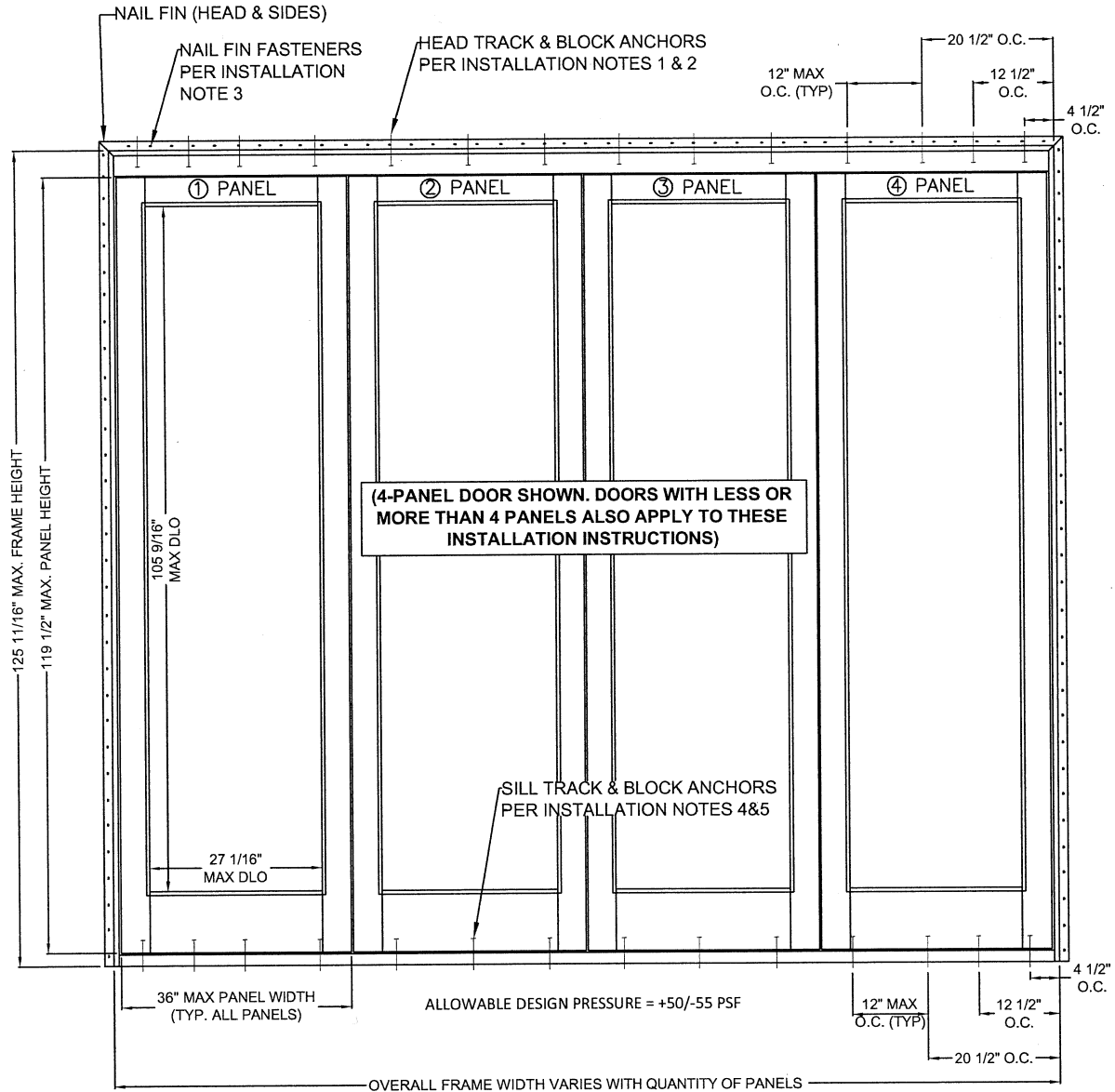
SHEET: 1 OF 2

UPDATED: 9/24/2018

DRAWN BY: B.K.



ELEVATION SHOWING FASTENER LOCATION & SPACING (TYP.)



GENERAL INSTALLATION NOTES:

- Check rough opening for proper size, plumb, level and square.
- Make all necessary adjustments to ensure rough opening is plumb, level & square.
- Sill must be flat, level
- All the weight of the door is hung from the header. The header must be capable to support the weight of the unit.
- Opening must allow a maximum of 1/2\" shim space at head, and 1/4\" at each jamb.
- Consult full installation instructions found on the Sierra Pacific web site, for all recommended installation procedures.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others

FLASHING

- For units that have to meet a specific DP (Design Pressure) rating, any kind of building wrap must be folded and taped away from each rough opening before the unit is installed. Unit must come in contact with the building's bare sheathing. A bead of silicone must be applied to the backside of the nail fin where it meets the unit, at head and jambs.
- Once unit is installed and flashed properly, the building wrap must be reapplied and trimmed flush with the unit's exterior. A bead of sealant must be placed along the seam joint of the building wrap and the unit. Tape the corner cuts in the building wrap. See full door installation brochure for complete flashing details.

Installation requirements may vary in particular locations and in other types of construction. Proper installation is essential, and Sierra Pacific Windows, recommends consultation with an AAMA Certified Installer, or other qualified, registered building professional before installation of any Sierra Pacific product. Proper installation of Sierra Pacific products is the responsibility of the installer. Sierra Pacific is not responsible for proper installation. Sierra Pacific is not responsible for the design of, conditions in, or performance of building construction beyond the perimeters of the Sierra Pacific units. Sierra Pacific is not responsible for proper integration of the Sierra Pacific units with the weather-repellent systems of the building.



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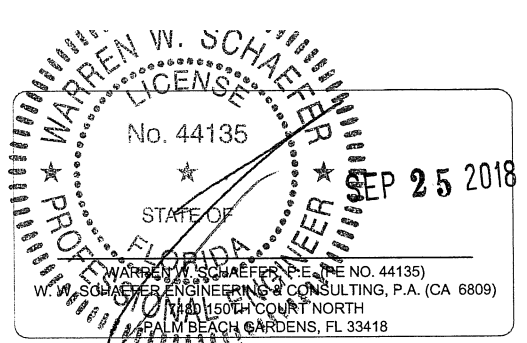
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FeelSafe Aluminum Clad Wood Bi-Fold Door
Installation Instructions

SHEET: 2 OF 2

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INSTALLATION NOTES:

1. HEAD BLOCK ANCHORS SHALL BE 1/4" X 4" STAINLESS STEEL HEX HEAD LAG SCREWS POSITIONED 4 1/2", 12 1/2" & 20 1/2" ON CENTER FROM DOOR FRAME OUTER CORNERS AND SPACED MAXIMUM 12" O.C. THEREAFTER. SCREWS SHALL EMBED THE WOOD BUCK/FRAMING MINIMUM 1 3/4" AND HAVE A BUCK/FRAMING EDGE DISTANCE OF MIN. 1".
2. HEAD TRACK ANCHORS SHALL BE 1/4" X 4" STAINLESS STEEL HEX HEAD LAG SCREWS POSITIONED 4 1/2", 12 1/2" & 20 1/2" ON CENTER FROM DOOR FRAME OUTER CORNERS AND SPACED MAXIMUM 12" O.C. THEREAFTER. SCREWS SHALL EMBED THE WOOD BUCK/FRAMING MINIMUM 2 1/4" AND HAVE A BUCK/FRAMING EDGE DISTANCE OF MIN. 1". TWO ROWS OF SCREWS.
3. NAIL FIN FASTENERS SHALL BE MIN. NO. 8 X 1 1/4" PPH SS SCREWS POSITIONED WITHIN 3" OF FIN CORNERS AND SPACED MAX. 5" O.C. THEREAFTER. THEY MUST EMBED THE WOOD BUCK/FRAMING MIN. 1" AND BE MIN. 1/4" OFF THE WOOD BUCK/FRAMING EDGE. PLACE SEALANT OVER ALL NAIL FIN SCREW HEADS.
4. SILL BLOCK ANCHORS SHALL BE 1/4" X 4" STAINLESS STEEL HEX HEAD LAG SCREWS POSITIONED 4 1/2", 12 1/2" & 20 1/2" ON CENTER FROM DOOR FRAME OUTER CORNERS AND SPACED MAXIMUM 12" O.C. THEREAFTER. SCREWS SHALL EMBED THE WOOD BUCK/FRAMING MINIMUM 1 3/4" AND HAVE A BUCK/FRAMING EDGE DISTANCE OF MIN. 1".
5. SILL TRACK ANCHORS SHALL BE NO. 12 X 3" PFH STAINLESS STEEL WOOD OR SMS SCREWS POSITIONED WITHIN 4 1/2", 12 1/2" & 20 1/2" ON CENTER FROM DOOR FRAME OUTER CORNERS AND SPACED MAXIMUM 12" O.C. THEREAFTER. SCREWS SHALL EMBED THE WOOD BUCK/FRAMING MINIMUM 1 3/4" AND HAVE A BUCK/FRAMING EDGE DISTANCE OF MIN. 1".
6. HEAD AND SILL BUCKS/FRAMING SHALL BE MINIMUM DOUBLE 2X8 MINIMUM GRADE 2 PINE WOOD (PRESSURE TREATED IF AGAINST MASONRY OR CONCRETE). THEY MAY BE RIPPED DOWN TO MIN. 6 3/4" BUT NO LESS THAN THAT REQUIRED FOR ALL ANCHORS TO MEET THEIR REQUIRED EDGE DISTANCES.
7. SHIMS SHALL BE PLACED AT EACH FRAME ANCHOR LOCATION ALONG THE HEAD AND SILL AND ADDITIONALLY AS REQUIRED AT EACH THE HEAD, SILL AND JAMBS TO INSURE NO ROTATION OR FLEXING OF THE DOOR FRAME OR SILL DURING DOOR OPERATION. SHIM MATERIAL SHALL BE COMPOSITE OR PLASTIC.
8. ALTERNATE CONCRETE SUBSTRATE AT SILL (NOT APPLICABLE AT HEAD OR SIDES): IF ANCHORAGE AT THE SILL IS TO A CONCRETE SUBSTRATE (MIN. 2500 PSI CONCRETE), THE ANCHORS SPECIFIED IN NOTES 1, 2, 4 & 5 ABOVE MAY BE SUBSTITUTED WITH 1/4" CONCRETE SCREWS (ELCO ULTRA-CON, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II STEEL OR STAINLESS STEEL) PROVIDING THE CONCRETE SCREWS HAVE THE SAME OR GREATER SPECIFIED EMBED AS THE WOOD/LAG SCREWS SPECIFIED AND A MINIMUM CONCRETE EDGE DISTANCE OF 2". SCREWS SHALL BE STAINLESS STEEL OR COATED AS REQUIRED TO INSURE NO POTENTIAL CORROSION DUE TO THE ENVIRONMENT WITHIN WHICH THEY ARE USED.
9. ALTERNATE STEEL OR ALUMINUM SUBSTRATE (APPLICABLE AT ALL SIDES): IF ANCHORAGE AT ANY SIDE IS TO AN ALUMINUM OR STEEL SUBSTRATE WITH MIN. WALL THICKNESS OF 1/8", THE ANCHORS SPECIFIED IN NOTES 1, 2, 3, 4 & 5 ABOVE MAY BE SUBSTITUTED WITH THE SAME DIAMETER SELF DRILLING/TAPPING SCREWS OF A LENGTH THAT INSURES FULL THREAD PENETRATION THROUGH THE ALUMINUM/STEEL WALL AND A MINIMUM ALUMINUM/STEEL EDGE DISTANCE OF 1/2". SCREWS SHALL BE STAINLESS STEEL OR COATED AS REQUIRED TO INSURE NO POTENTIAL CORROSION DUE TO THE ENVIRONMENT WITHIN WHICH THEY ARE USED & NO NEGATIVE CATHODIC REACTION DUE TO DISSIMILAR MATERIALS.

GLAZING SPECIFICATION

GLASS TYPE HH 1-1/4" INSUL-14.1MM HEAT STRENGTHENED LAM (6MM HS; .075" EASTMAN CHEM. CO. SAFLEX CP; 6MM HS EXT. LITE); 438" CARDINAL XL EDGE SPACER; 6MM TEMP INTERIOR LITE

NOTES:

1. A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF GLAZING LITES MORE THAN 3 FEET IN WIDTH.
2. AS-TESTED SINGLE-PLY LAMINATED AND IGU LAMINATED SYSTEM SHOWN.
3. GLAZING STOP ATTACHMENT:
 - 3.1. MECHANICALLY ATTACHED TO ADJACENT PANEL MEMBER.
 - 3.2. CONTINUOUS BEAD OF TREMCO S-900 GLAZING COMPOUND 1/8" X 1/4" APPLIED TO THE GLASS/EXPOSED SASH CLADDING WITH A 9/16" GLASS BITE AND BACKFILL.
 - 3.3. INTERIOR GLAZING STOPS SECURED WITH 1" GALVANIZED T-NAILS SPACED 2" FROM EACH CORNER AND 8" - 10" ON CENTER THEREAFTER. 3mm BUMP-ON GLASS SHIMS PLACED BETWEEN GLASS AND SASH CLADDING.

