

UNIT FEATURES

FRAME:

The frame exterior is made of Ultrex[®], an advanced fiber reinforced material that is exceptionally resistant to thermal conductance. Ultrex patented coating system meets all the requirements of AAMA 623-10. Exterior coating shall meet AAMA 623-10 and 00022716 in stone white, pebble gray, bronze, evergreen, cashmere, and ebony. The interior is clear pine, kiln dried to a moisture content of 8–12% at time of fabrication. Water-repellent, preservative treated in accordance with WDMA I.S.4. Composite frame thickness is 2 1/16" (52). Frame width is 4 9/16" (116). 4/4 clear pine interior stop is applied to all units. Interior wood is available as Pine bare wood or factory applied white interior finish. Ultrex frame is .080" (2) thick.

JAMB EXTENSION:

6 9/16" (167) and 6 13/16" (173) jamb extension available factory applied or in lineal lengths for field application.

INSTALLATION:

Folding nailing fin. Optional installation brackets available for Polygons without nailing fin intended for masonry application. Installation clips are required on Impact units.

GLAZING:

Dual pane units are manufactured with a glass thickness varying from 11/16" (17) to 1" (25) IG with LoE²-272[®], LoE³-366[®], and LoE-180[™] coatings including argon gas fill. Tri-pane units are manufactured with a glass thickness varying from 11/8" (29) to 1 1/2" (38) IG with a combination coating consisting of LoE²-272[®] on surface 2 and LoE-180[™] on surface 5 including argon gas fill. Tempered glass and/or obscure glass are available as an option. All glass is of a select quality complying with ASTM C 1036. Insulating glass is manufactured and tested to pass level ASTM E 2190 and is IGCC certified. The glazing seal is a silicone bedding on both interior and exterior surfaces utilized in a sandwich style sash. STC/OITC values are available for 3.1/3.1 standard glass. Optional 3.1/4.7 glass is available. STC and OITC ratings are tested in accordance with ASTM E 90-09. See the Product Performance chapter for values.

RECTANGLES ONLY:

~~Interior/Exterior Simulated Divided Lites (SDL):~~

~~Interior bar: 7/8" (22) wide bars. Pine bare wood or factory applied white finish, to match interior. Exterior bar: Ultrex, 7/8" (22) wide bars, finish to match exterior. Pattern: Rectangular, Prairie or Cottage style cuts. Special size Direct Glaze Rectangle units will default to a 10" (254) daylight opening with a minimum 3" (76) daylight opening available. Due to size limitation, 6 or 9 lite Prairie cut may apply. Default is 9 lite for stand alone units. Simulated check rail option: 2-11/32" (60). Pattern available: simulated rail in standard center or center specified location with 7/8" patterns above, below or both in patterns of rectangular equal lite or prairie lite cuts. SDL with spacer bar available in standard rectangle only with standard lite patterns. For Tripane units, the spacer bar is located in the exterior space between surfaces 2 and 3.~~

~~Grilles Between the Glass (GBG) Size Limitations May Apply:~~

~~Interior bar: 11/16" (17) contoured aluminum bar placed between two panes of glass. Pattern: rectangular or prairie cut. Due to size limitation, 6 or 9 lite Prairie cut may apply. Default is 9 lite for stand alone units. Exterior color determined by frame color. White interior. For Tripane units, the spacer bar is located in the exterior space between surfaces 2 and 3. GBGs are not available on Impact glazed units.~~

~~Exterior Casing:~~

~~Non-integral to the unit. Fastened to the exterior wall with barb and kerf 2" (51) brick mould as a full surround or with sill nosing. 3 1/2" (89) flat casing available as full surround or with sill nosing. Also available with 1" (25) ranch style sill and header overhang. Available on rectangle units only.~~

IMPACT GLAZING:

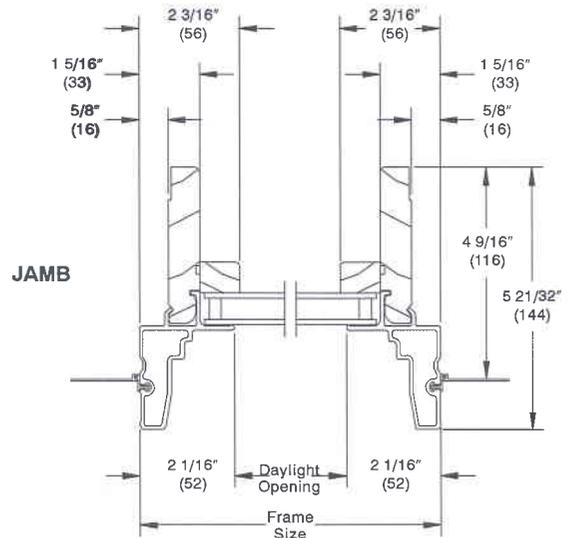
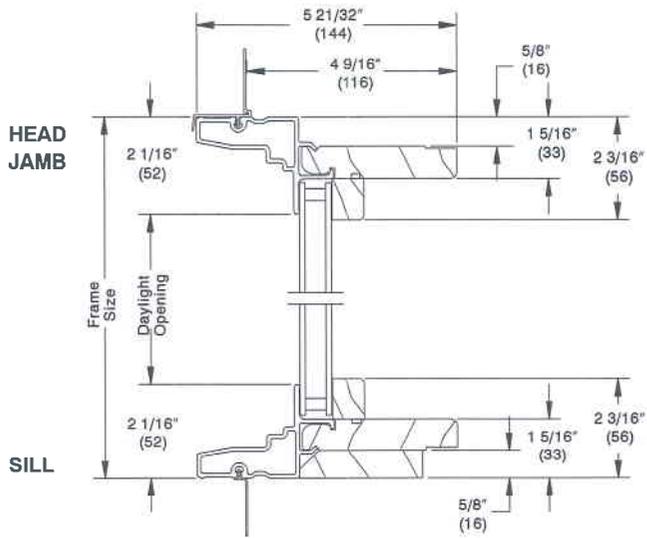
Optional Impact Zone 3 available on selected sizes. Zone 3 for winds up to 140 miles per hour. Glass is laminated insulated LoE²-272[®] or LoE³-366[®] with Argon, consisting of annealed or tempered glass exterior and laminated glass interior. The laminated glass is comprised of two pieces of glass with either a SGP or PVB laminate layer between. Interior and exterior glazing compound is silicone, in a sandwich style glazing system. Not available with CE mark.

CE GLAZING:

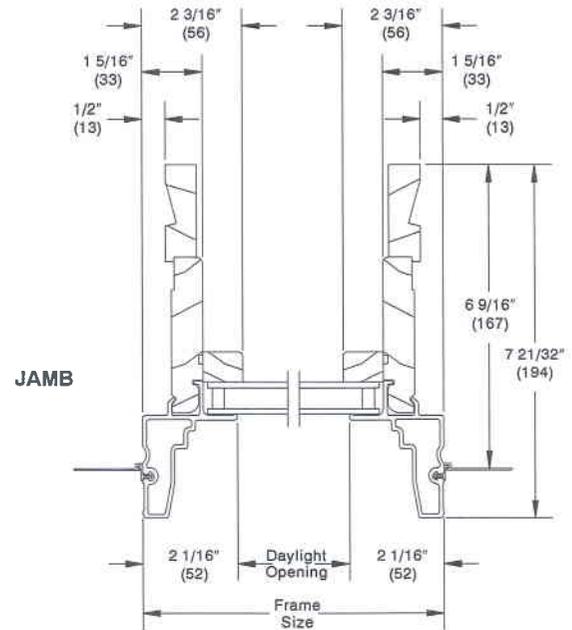
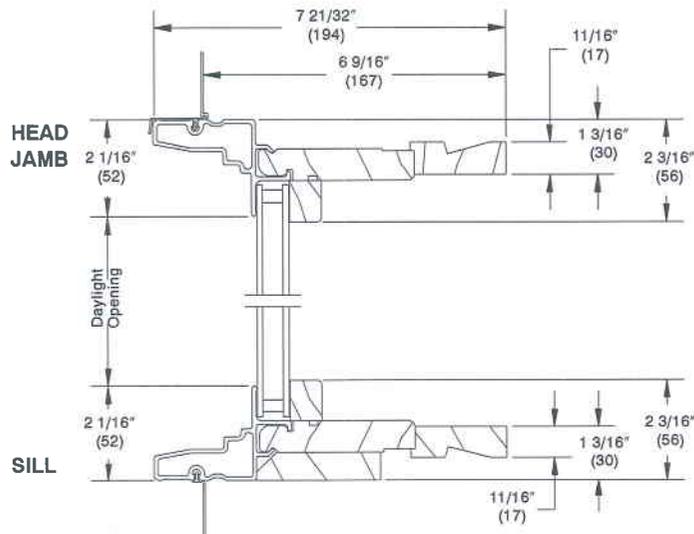
Dual pane units are manufactured with a glass thickness of 11/16" (17) IG with LoE²-272[®], LoE³-366[®], and LoE-180[™] coatings including argon gas fill. Tripane units are manufactured with a glass thickness varying from 1 1/8" (29) to 1 1/4" (32) IG with a combination coating consisting of LoE²-272[®] on surface 2 and LoE-180[™] on surface 5 including argon gas fill. Tempered glass is available as an option. CE marked IG units comply with EN-1279 and EN-12150 (fully tempered). The glazing seal is a silicone bedding on both interior and exterior surfaces utilized in a sandwich style sash.

SECTION DETAILS – Standard Glazing

DIRECT GLAZE CASEMENT/AWNING– POLYGON STAND ALONE – 4 9/16" – Standard Glazing



DIRECT GLAZE CASEMENT/AWNING – POLYGON STAND ALONE– 6 9/16" – Standard Glazing





INSWING FRENCH DOOR

UNIT FEATURES

FRAME:

The frame exterior is made of Ultrex®, an advanced fiber reinforced material that is exceptionally resistant to thermal conductance. Ultrex patented coating system meets all the requirements of AAMA 623-10. Exterior coating shall meet AAMA 623-10 and 00022716 in stone white, pebble gray, bronze, evergreen, cashmere, and ebony. The interior is clear pine, kiln dried to a moisture content of 8–12% at time of fabrication. The sill is Ultrex with oak interior sill liner. Water repellent, preservative treated in accordance with WDMA I.S.4. Interior wood is available as Pine bare wood or factory applied white interior finish. Composite frame thickness is 1 11/32" (34 mm). Frame width of 4 9/16" (116 mm). 4/4 clear pine interior stop is applied to all units. Ultrex is .080" (2 mm) thick.

PANEL:

The panel exterior is made of Ultrex, an advanced fiber reinforced material that is exceptionally resistant to thermal conductance. The interior is clear pine, kiln dried to a moisture content of 8–12% at time of fabrication. Water repellent, preservative treated in accordance with WDMA I.S.4. Interior wood is available as Pine bare wood or factory applied white interior. Composite sash thickness of 1 3/4" (44 mm), stiles and top rail width, 3 5/8" (92 mm), bottom rail width 6" (152 mm) Ultrex is .110" (3 mm) thick. Available in stone white, pebble gray, bronze, evergreen, cashmere, or ebony colors.

JAMB EXTENSION:

6 9/16" (167 mm) available in one piece jamb. 6 13/16" (173) jamb extension available factory applied or in lineal lengths for field application. Assemblies with 6 13/16" jamb extensions add 1/4" to width and 1/8" to height of Rough Opening.

HARDWARE:

Multi-pointlock, latch, and deadbolt assembly included with each door. Top and bottom shoot bolts are operated by the handle set. The interior and exterior handle are the same colors. Standard finish is almond frost powder. ~~Optional white powder coat or lacquered Bright Brass, Oil Rubbed Bronze, and Satin Nickel.~~ Hinges contain both a horizontal and vertical adjustment feature. Three hinges are used on operating panel of 65 and 68 height panels. Four hinges are used per operating panel of 80 height. Opened hinge size is 4" x 4". Almond Frost powder coat. ~~Hinge kits are also available in Gold, Grey, White, and Dark Brown powder coat painted finishes.~~

INSTALLATION:

Factory applied folding nailing fin and drip cap system. Optional installation brackets for masonry available. Factory supplied field mulling kits are available for standard assemblies.

GLAZING:

All units are manufactured with a 3/4" (19mm) IG with LoE²-272[®], LoE³-366[®] and LoE-180[™] coatings including argon gas fill. ~~Tempered obscure is available as an option.~~ All glass is of a select quality complying with ASTM C 1036. Insulating glass is manufactured and tested to pass level ASTM E 2190 and is IGCC certified. The glazing seal is a silicone bedding on both interior and exterior surfaces utilized in a sandwich style sash. STC/OITC values are available for 3.1/3.1 standard glass. ~~Optional 3.1/4.7 STC/OITC Upgrade glass is available.~~ STC and OITC ratings are tested in accordance with ASTM E 90-09. See the Product Performance chapter for values.

WEATHER STRIP:

All weather strip is beige in color. All units are constructed with weather strip at all panel perimeter joints. Jambs, head jamb, astragal, and mull post utilize a foam leaf type weather strip. Santoprene sill weather strip to seal against the bottom rail and panel drip. Bottom rail utilizes a rigid panel drip. Interlocks use full length leaf style weather strip.

INSECT SCREEN:

Top-hung extruded aluminum screen for XO, OX configurations. Top hung roller assembly with stainless steel ball bearings and nylon wheels, top rollers adjustable up to 3/8 inch (10 mm). Frame to have edge mounted wool pile bug strip. Flush mounted ridged nylon black handle on both sides of screen. Rigid PVC glide. Extruded aluminum swinging screen for 1 panel and 2 panel XX door: Aluminum frame to match exterior Ultrex color. Charcoal color fiberglass (non-corrosive) screen cloth. Includes black handle, latch, pneumatic closure and sweep.

~~REMOVABLE INTERIOR GRILLES:~~

~~Bar: Pine wood, 3/4" (10 mm) Pattern: Standard rectangular pattern. Available in Pine bare wood or factory applied white finish.~~

~~INTERIOR / EXTERIOR SIMULATED DIVIDED LITES (SDL):~~

~~Interior bar: 7/8" (22 mm) wide bars. Pine bare wood or factory applied white finish, to match interior. Exterior bar: Ultrex, 7/8" (22 mm) wide bars, finish to match exterior. Patterns available: rectangle, 9 lite prairie cut or Cottage style cut.~~

~~GRILLES BETWEEN THE GLASS (GBG):~~

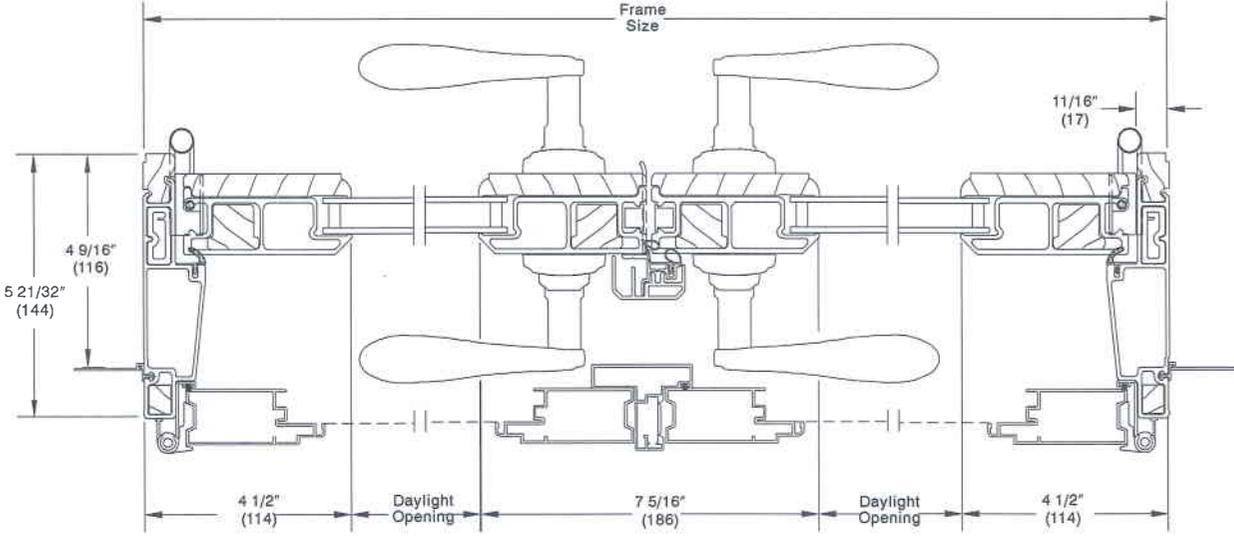
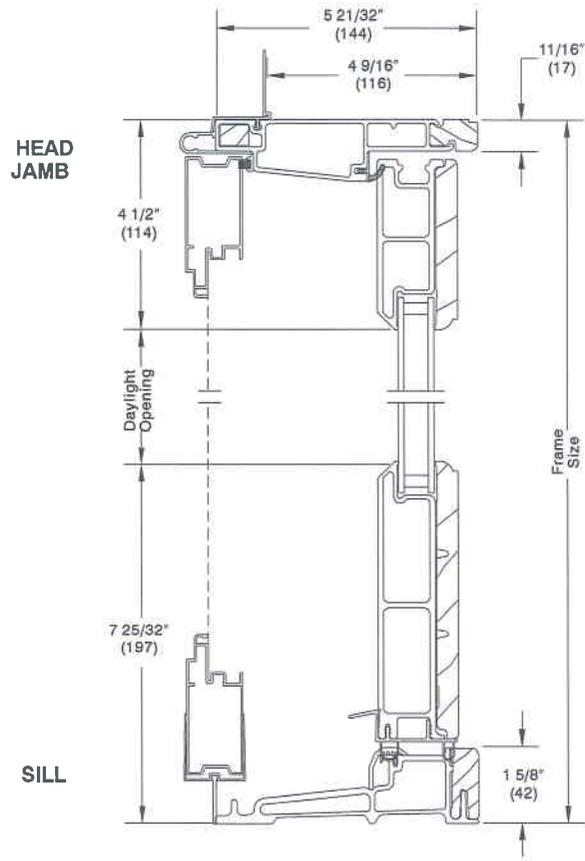
~~11/16" (17 mm) white contoured aluminum bar placed between two panes of glass. Pattern: Standard rectangular pattern, 9 lite per panel prairie cut, or 6 lite prairie cut on transom.~~

~~EXTERIOR CASING:~~

~~Non-integral to the unit. Fastened to the exterior wall with barb and kerf 2" (51) brick mould available as a header and jamb surround. 3 1/2" (89) flat casing available as a header and jamb surround. Also available with 1" (25) ranch style header overhang.~~

IN SWING FRENCH DOOR

SECTION DETAILS - 4 9/16" JAMB - XXR OPERATOR Scale 3" = 1' 0"



2 PANEL JAMB - XXR



WOOD-ULTREX DOUBLE HUNG

UNIT FEATURES

REMOVABLE INTERIOR GRILLES:

Bar: Pine wood, 3/4" (19) Available in pine bare wood or factory applied white finish. Pattern: Standard rectangular pattern.

INTERIOR / EXTERIOR SIMULATED DIVIDED LITES (SDL):

Interior bar: 7/8" (22) wide bars. Pine bare wood or factory applied white finish, to match interior. Exterior bar: Ultrex, 7/8" (22) wide bars, finish to match exterior. Patterns available: rectangle, Cottage style cut, 9 lite Prairie cut or 6 lite Prairie for top sash, bottom sash, or both. ITDHP Only: Simulated check rail option: 2 11/32" (60). Pattern available: simulated rail in standard center or customer specified location with 7/8" (22) patterns above, below or both in patterns of rectangular equal lite or prairie lite cut.

GRILLES-BETWEEN-THE-GLASS (GBG):

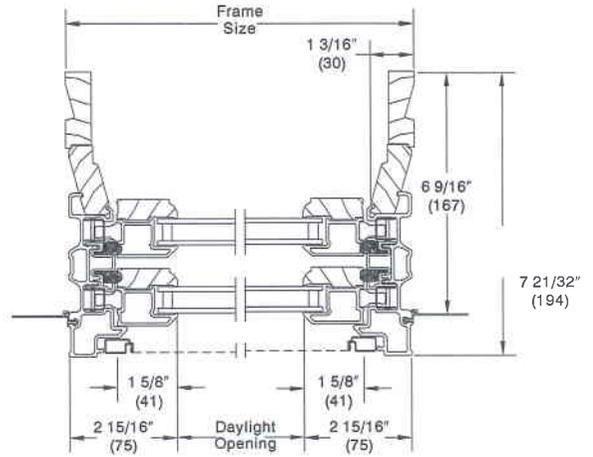
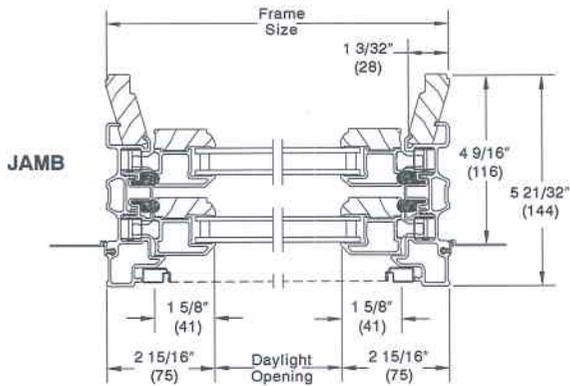
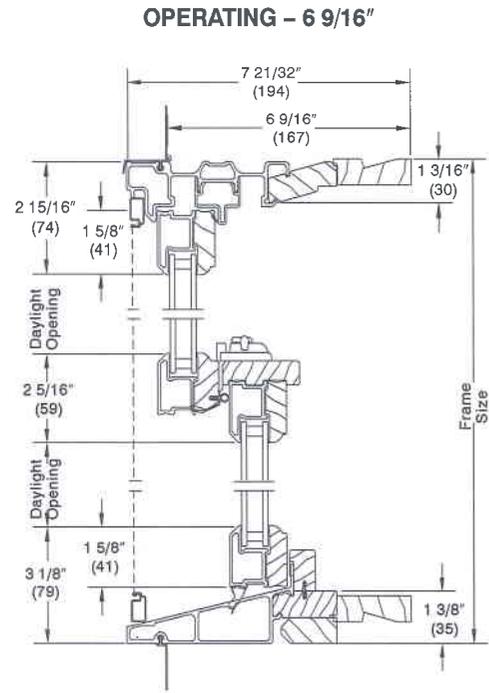
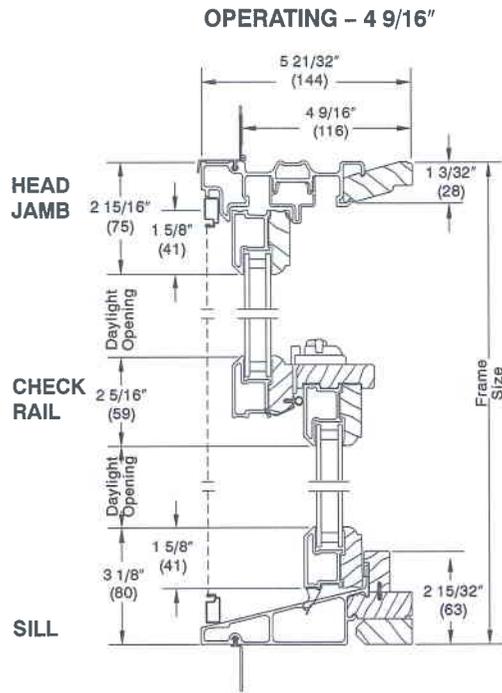
11/16" (17) contoured aluminum bar placed between two panes of glass. Pattern: Standard rectangular pattern, or optional 6 lite per sash Prairie cut on Double Hung or 9 lite on picture units. Exterior color determined by exterior frame color. White interior. GBGs are not available with Impact glazing.

NOTE: Direct Glaze Round Top with Wood Grilles, GBG, or SDL will only align with the default lite cut of the unit it is intended to be mulled with.

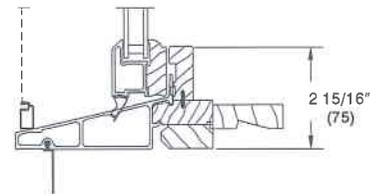
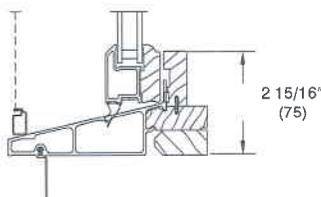
NOTE: NFRC Values are now located on www.integritywindows.com

SECTION DETAILS: Not to Scale

STANDARD GLAZED



HIGH PERFORMANCE



NOTE: CE is not available on High Performance units

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