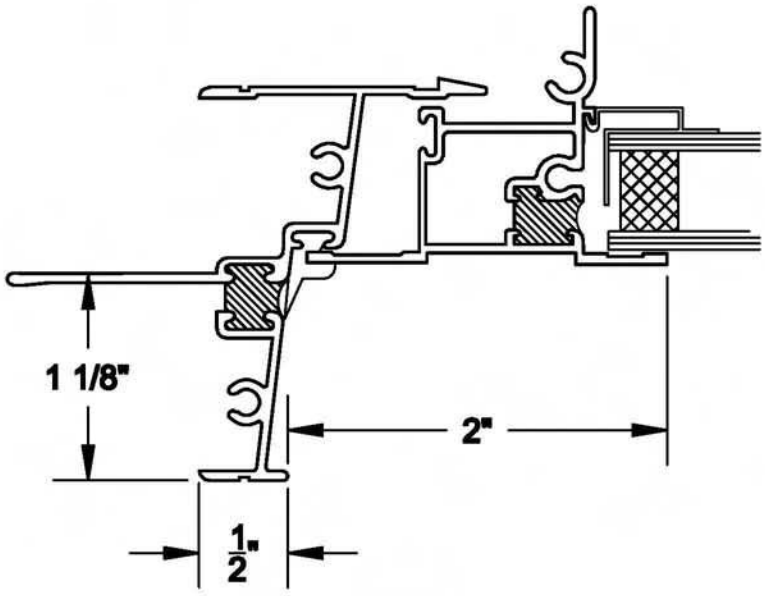
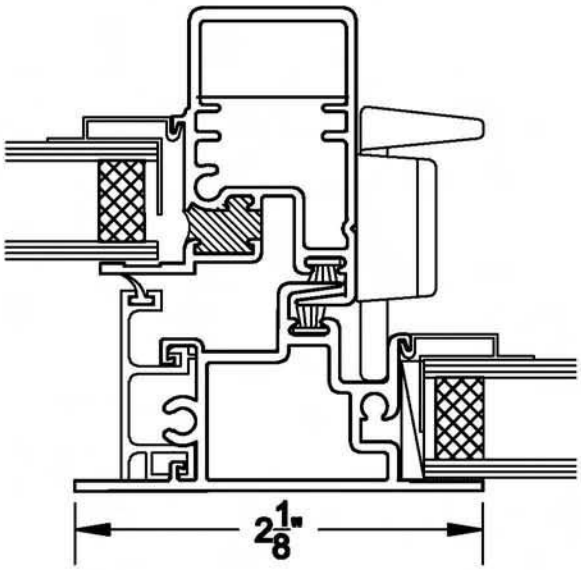
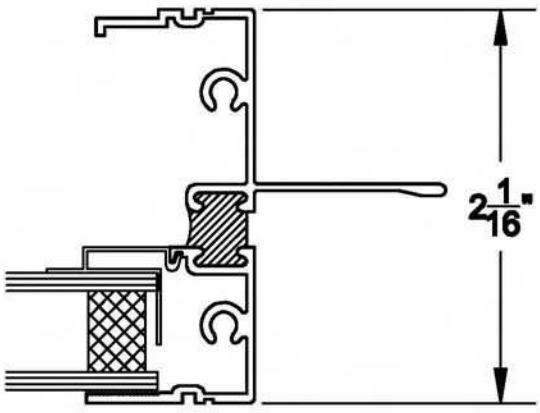
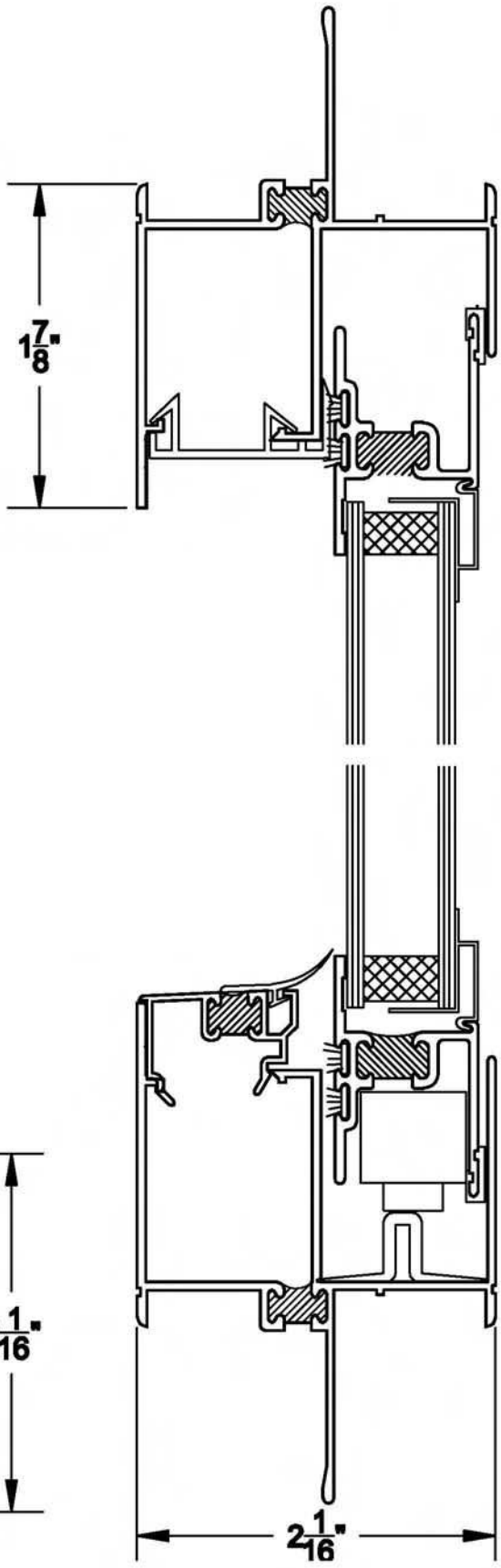
SERIES 400 HORIZONTAL SLIDER
C-40

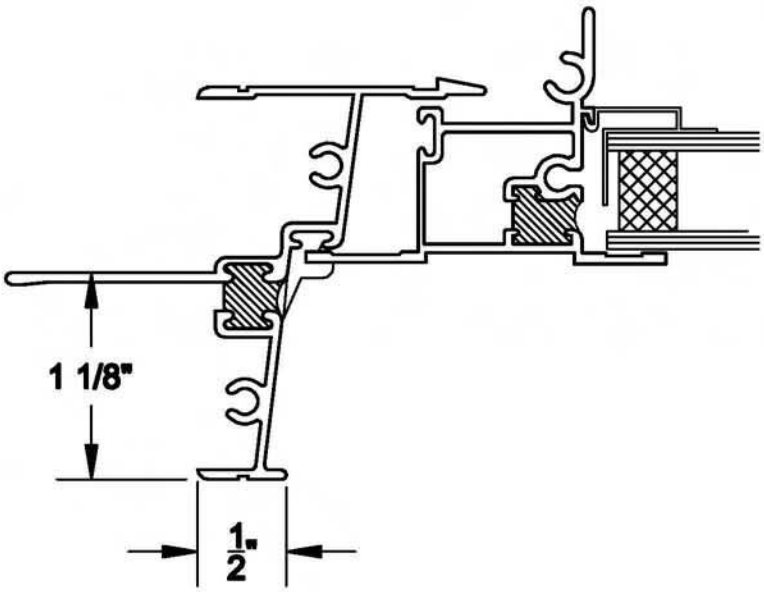


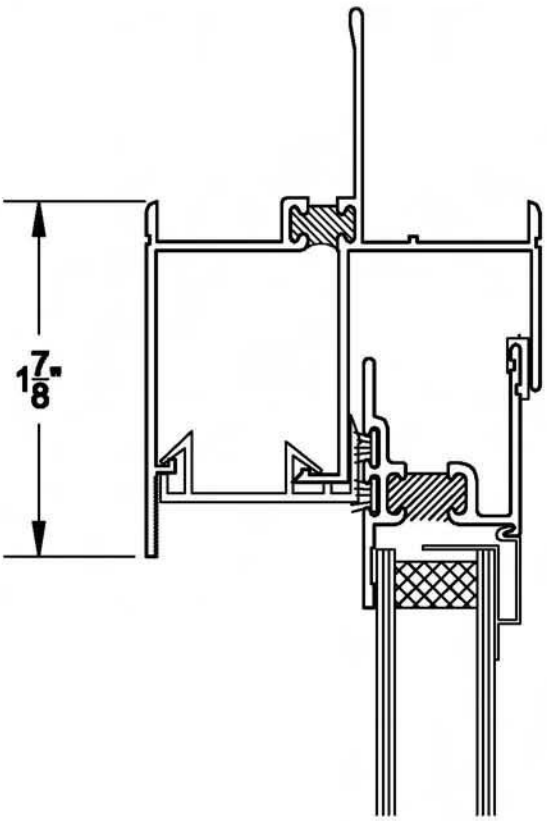


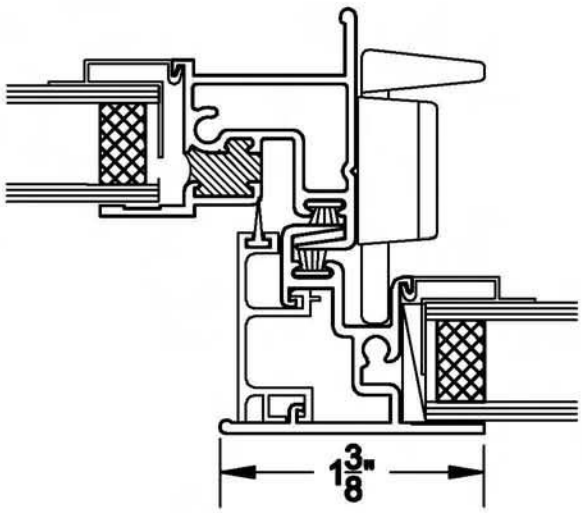


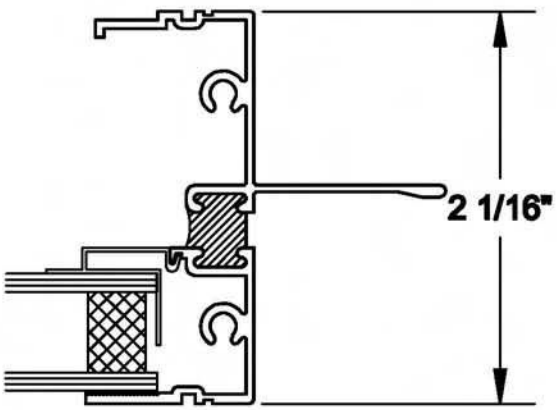


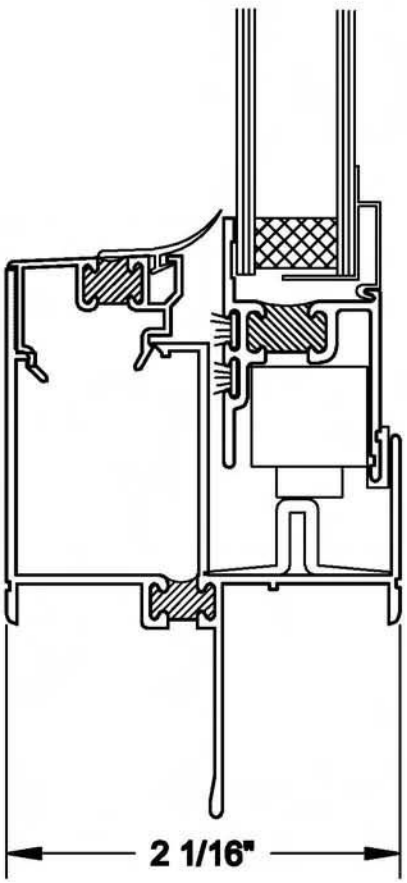
SERIES 400 HORIZONTAL SLIDER
R-30



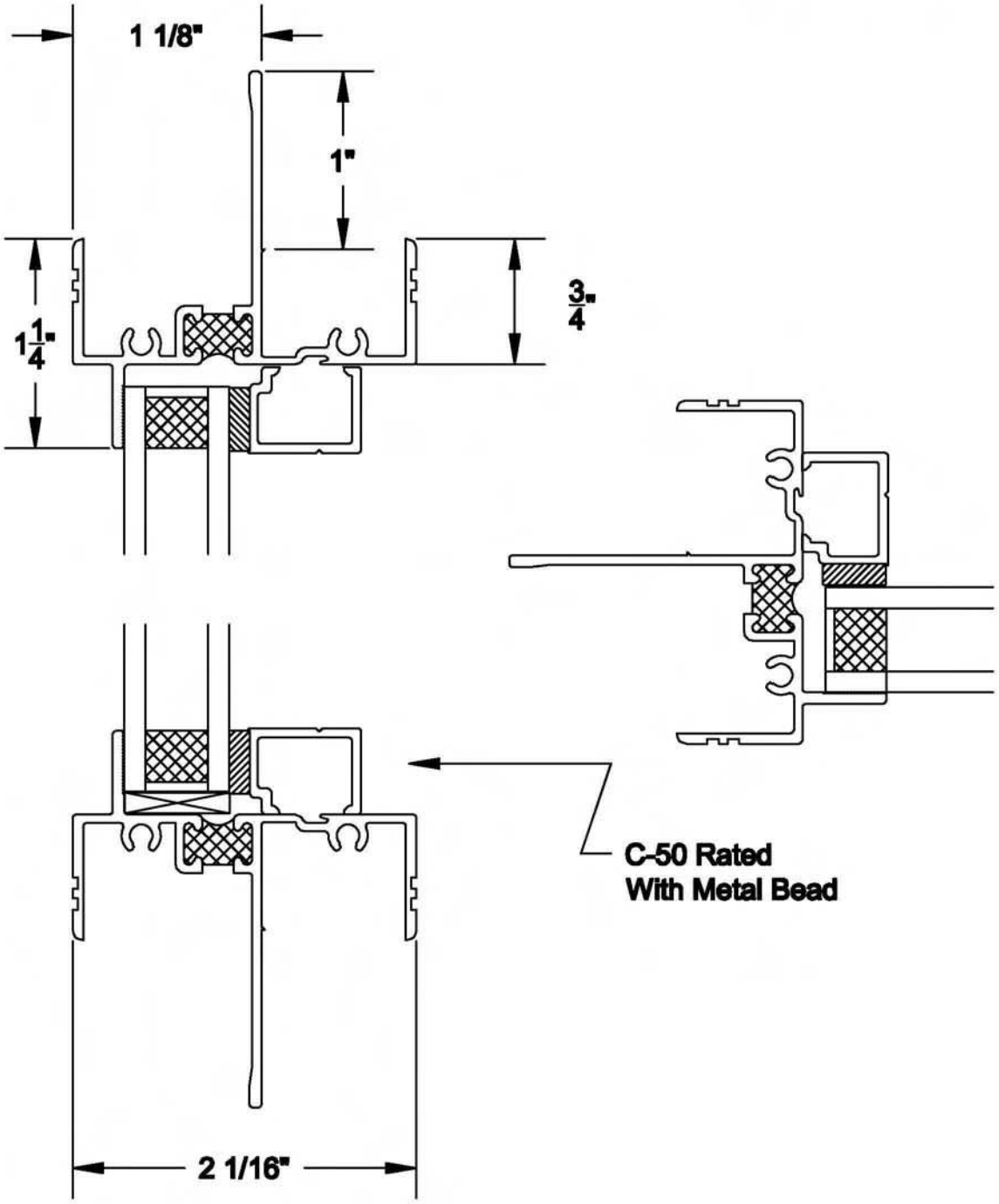




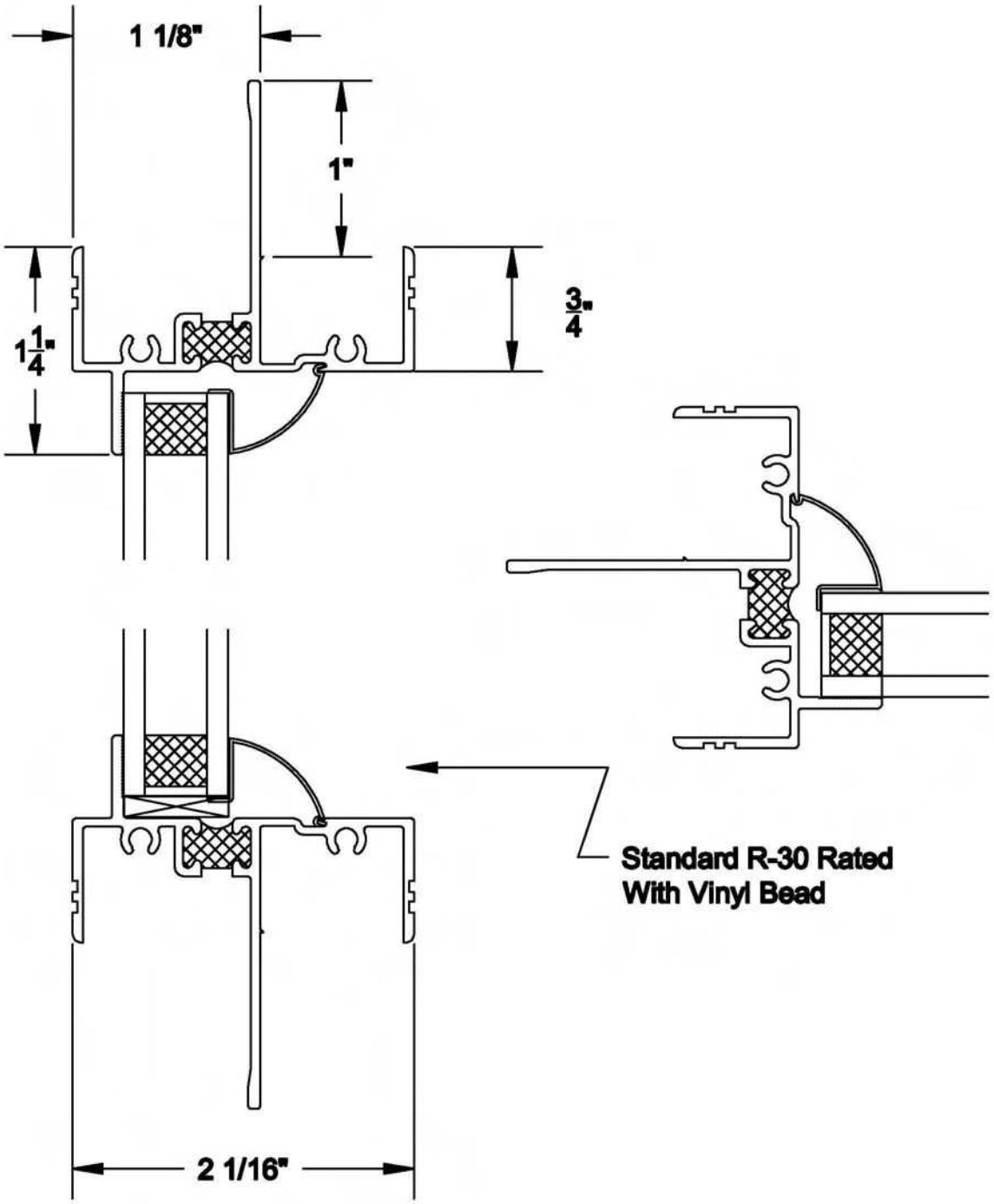




SERIES 400 PICTURE WINDOW
F-C50

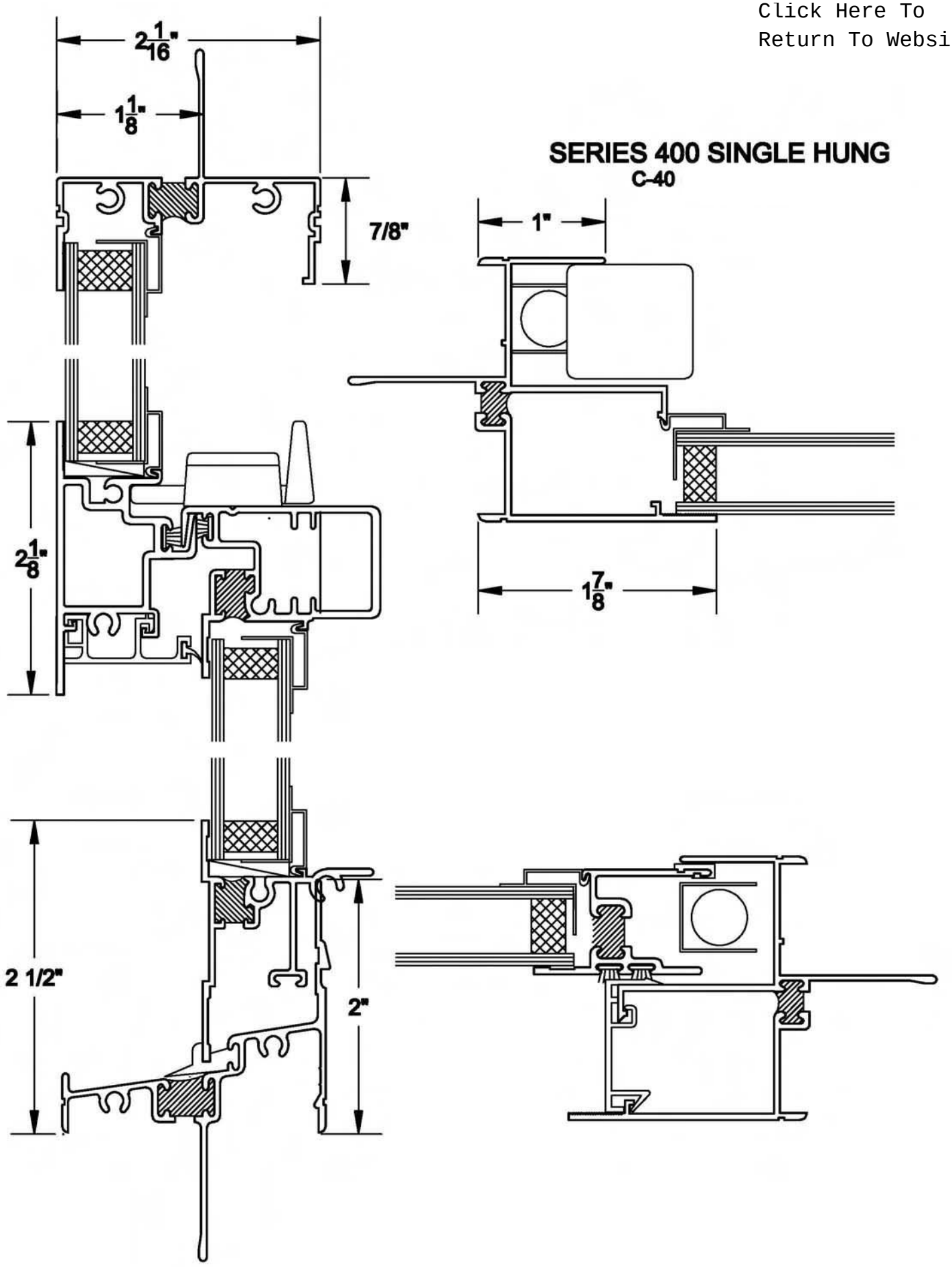


SERIES 400 PICTURE WINDOW
R-30
5/16" AIR SPACE



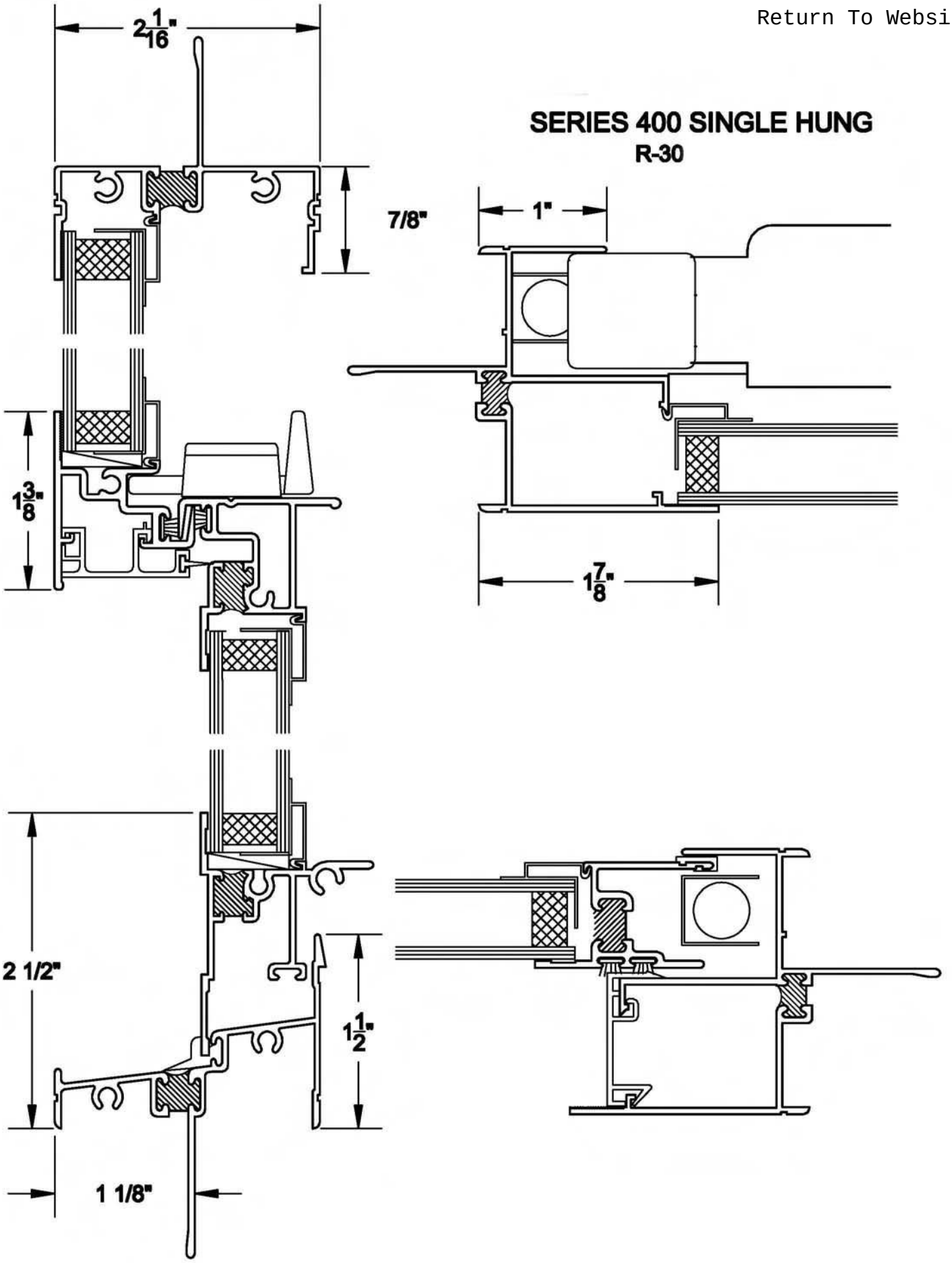
SERIES 400 SINGLE HUNG

C-40



SERIES 400 SINGLE HUNG

R-30



ARCHITECTURAL SPECIFICATIONS

ALL SEASONS 200, 400, 600 & 800 SERIES

GENERAL:

Windows will be mfg by ALL SEASONS SASH & DOOR Mfg - Longview, Tx AAMA requires that the largest size of any particular model offered for sale be tested Testing on a 48 x 96. The above size has been tested for each model and meets AAMA/ANSI specifications Smaller windows can or may have a different air infiltration rate Windows furnished for a job will duplicate the test window in all mechanical parts and details within standard commercial tolerances as required under ANSI/AAMA 302 9 - 77

MATERIALS:

Frame and sash shall be made from 6063 T-5 extruded aluminum alloy and will be 062" thick and within commercial tolerances Sash weather-stripping shall be dual, (2) rows of schlegal poly bond wool pile on both stiles and interlocking centerbar Santropene rubber bulb will be used on each sill Sash balances shall be commercial type block and tackle and allow easy removal of sash without the use of special tools Glazing bead shall be to the inside No outside vinyls will be used due to deterioration from the elements

FRAMES:

Frame shall be of extruded aluminum construction with machined corners and double screwed at each corner with sealant applied where necessary Sill of frame shall be slopped for drainage There shall be a bulb seal at the sill of each window The bulb seal shall be extruded of santoprene rubber to resist shrinking, cracking, and aging

SASH:

Windows shall be single hung with an operating lower sash Sash rails (sash head and sash sill) are to be tubular and machined at both ends to telescope into the stiles and fastened with screws at each joint Operable sash shall be easily removable from frame without tools Horizontal meeting rail shall have interlocking contact along the full length of the sash for maximum weather resistance Sash stiles shall operate inside the jamb to prevent the sash from bowing inside during a wind load The sash stile shall have two (2) rows of schlegal poly bond wool pile weatherstripping on the outside of each stile making contact with the outside jamb leg. The inside leg of the sash stile shall have a continuous sash stile guide along the full length of the sash stile to prevent the sash from bowing inside and loosing weatherstrip contact when under a wind load

INSULATED GLASS:

Insulated glass shall have a minimum of 1/2" overall thickness and a 5/16" airspace An optional 1/2" airspace is available. The insulated glass sealant shall be a hybrid butyl manufactured by Tremco (trade name of Swiggle) The sealant shall be no less than 5/16" wide and shall contain no filler strips or corner keys There shall be no metal spacers used in combination with the insulated sealant between the glass that can conduct heat or cold from the outside pane of glass to the inside pane of glass

HARDWARE:

Sash shall be equipped with two spring-loaded extruded latches on bottom rail which lock automatically on closing. Cam type latches are available as an option. When sash is equipped with the (2) additional cam latches it will generally qualify for the homeowners insurance discount for 'secondary locking systems' Sash shall be equipped with (2) direct pulley type (block & tackle) hidden balances All Single Hung Windows to have (4) Locks per Sash, two (2) Cam Locks on Sash Head and (2) Automatic Spring Loaded Latches on Lift Rail

GLAZING:

Sash to be factory glazed with single pane SSB, DSB, 3/16", 1/4", or insulated glass Glazing is accomplished with an interior vinyl spline supplied by the manufacturer and may be reusable for easy glass replacement (Obscure, Bronze, Gray, Sunglass and Low E tint glass are readily available) A metal glazing bead is available as an option

FINISH:

Windows are offered in an electrostatically applied baked enamel in bronze, white, or sandstone colors Custom painted or anodized finishes are available Frame and sash members shall have a finish that is reasonably smooth and uniform in appearance

INSECT SCREENS:

Full or half screens may be used with prime windows Insect screens shall be provided when specified and be of ALL SEASONS products standard approved design Half screens shall be 3/8 x 9/16 x 020 with an additional 5/16 lip to aid in strength and sealing. Screen frame is to be made of roll formed aluminum Screen cloth shall be a fiberglass mesh Screens shall conform to ANSI/SMR 1004 - 1975 specifications (WARNING: Insect screens are intended only to provide reasonable insect control They are not intended to prevent people or objects from exiting the window or to provide security against forced entry)

INSTALLATION:

(By others) Frames should be installed straight, plumb, and level without springing or twisting and securely fastened in place according to the recommended installation details Installation nails or screws are not recommended for the head nail fin when being installed on new lumber The installer shall load the sash and make final adjustments to assure proper sash operation and window performance The installer shall check to see that the interlock and sash sill are not contaminated with grout or putty during construction, thereby interfering with sash operation and weather-stripping capabilities

MISCELLANEOUS:

In areas where condensation is a problem, ALL SEASONS recommends the use of thermally improved frames such as the 600 or 800 series to reduce, (but will not eliminate under all conditions), condensation on exposed surfaces

All Seasons reserves the right to make changes at any time in design or materials without decreasing the performance and to discontinue products without notice

PERFORMANCE:

ALL SEASONS 200, 400, 600, 800 BI-HP-25 TEST RESULTS:

	MEASURED	ALLOWED
AIR INFILTRATION	09 CFM	375 CFM
WATER RESISTANCE	4 00 PSF	---
OPERATING FORCE	26 LBS	35 LBS
UNIFORM LOAD DEFLECTION	196 IN	299 IN
STRUCTURAL	25 PSF	---

ARCHITECTURAL SPECIFICATIONS

ALL SEASONS 200, 400, 600 & 800 SERIES C-20 RATED

GENERAL:

Windows will be mfg by ALL SEASONS SASH & DOOR Mfg - Longview, Tx AAMA requires that the largest size of any particular model offered for sale be tested Testing on a 48 x 96. The above size has been tested for each model and meets AAMA/ANSI specifications Smaller windows can or may have a different air infiltration rate Windows furnished for a job will duplicate the test window in all mechanical parts and details within standard commercial tolerances as required under ANSI/AAMA 302 9 - 77

MATERIALS:

Frame and sash shall be made from 6063 T-5 extruded aluminum alloy and will be .062" thick and within commercial tolerances Sash weather-stripping shall be dual, (2) rows of schlegal poly bond wool pile on both stiles and interlocking centerbar Santropene rubber bulb will be used on each sill Sash balances shall be commercial type block and tackle and allow easy removal of sash without the use of special tools Glazing bead shall be to the inside No outside vinyls will be used due to deterioration from the elements

FRAMES:

Frame shall be of extruded aluminum construction with machined corners and double screwed at each corner with sealant applied where necessary Sill of frame shall be slopped for drainage There shall be three (3) bulb seals at the sill of each window The outside bulb shall be extruded of santoprene rubber to resist shrinking, cracking, and aging

SASH:

Windows shall be single hung with an operating lower sash Sash rails are machined at both ends to telescope into the stiles and fastened with two screws per joint Operable sash shall be easily removable from frame without tools Horizontal meeting rail shall have interlocking contact along the full length of the sash for maximum weather resistance Sash stiles shall operate inside the jamb to prevent the sash from bowing inside during a wind load The sash stile shall have two (2) rows of schlegal poly bond wool pile weatherstripping on outside of each stile making contact with the outside jamb leg The inside leg of the sash stile shall have a continuous sash stile guide along the full length of the sash stile to prevent the sash from bowing inside and loosing weatherstrip contact when under a wind load

HARDWARE:

All Windows to have (4) Locks per Sash, two (2) Cam Locks on Sash Head and (2) Automatic Spring Loaded Latches on Lift Rail The two spring-loaded extruded latches on bottom sash rail shall lock automatically on closing Two cam type sweep latches shall be located at the top of the sash and lock into the extruded center bar without the use of a keeper Sash shall be equipped with (2) direct pulley type (block & tackle) hidden balances

GLAZING:

Sash to be factory assembled with single pane SSB, DSB, 3/16",1/4", or insulated glass Glazing is accomplished with an interior vinyl spline supplied by the manufacturer and may be reusable for easy glass replacement (Obscure, Bronze, Gray, Sunglass and Low E tint glass are readily available).

FINISH:

Windows are offered in natural aluminum finish or electrostatically applied baked enamel colors. Frame and sash members shall have a finish that is reasonably smooth and uniform in appearance

INSECT SCREENS:

Full or half screens may be used with prime windows Insect screens shall be provided when specified and be of ALL SEASONS products standard approved design Half screens shall be 3/8 x 3/4 x .020 with an additional 5/16 lip to aid in strength and sealing Screen frame is to be made of roll formed aluminum Screen cloth shall be a fiberglass mesh Screens shall conform to ANSI/SMR 1004 - 1975 specifications (WARNING: Insect screens are intended only to provide reasonable insect control They are not intended to prevent people or objects from exiting the window or to provide security against forced entry)

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MISCELLANEOUS:

In areas where condensation is a problem, ALL SEASONS recommends the use of thermally improved frames such as the 600 or 800 series to reduce, (but will not eliminate under all conditions), condensation on exposed surfaces

All Seasons reserves the right to make changes at any time in design or materials without decreasing the performance and to discontinue products without notice