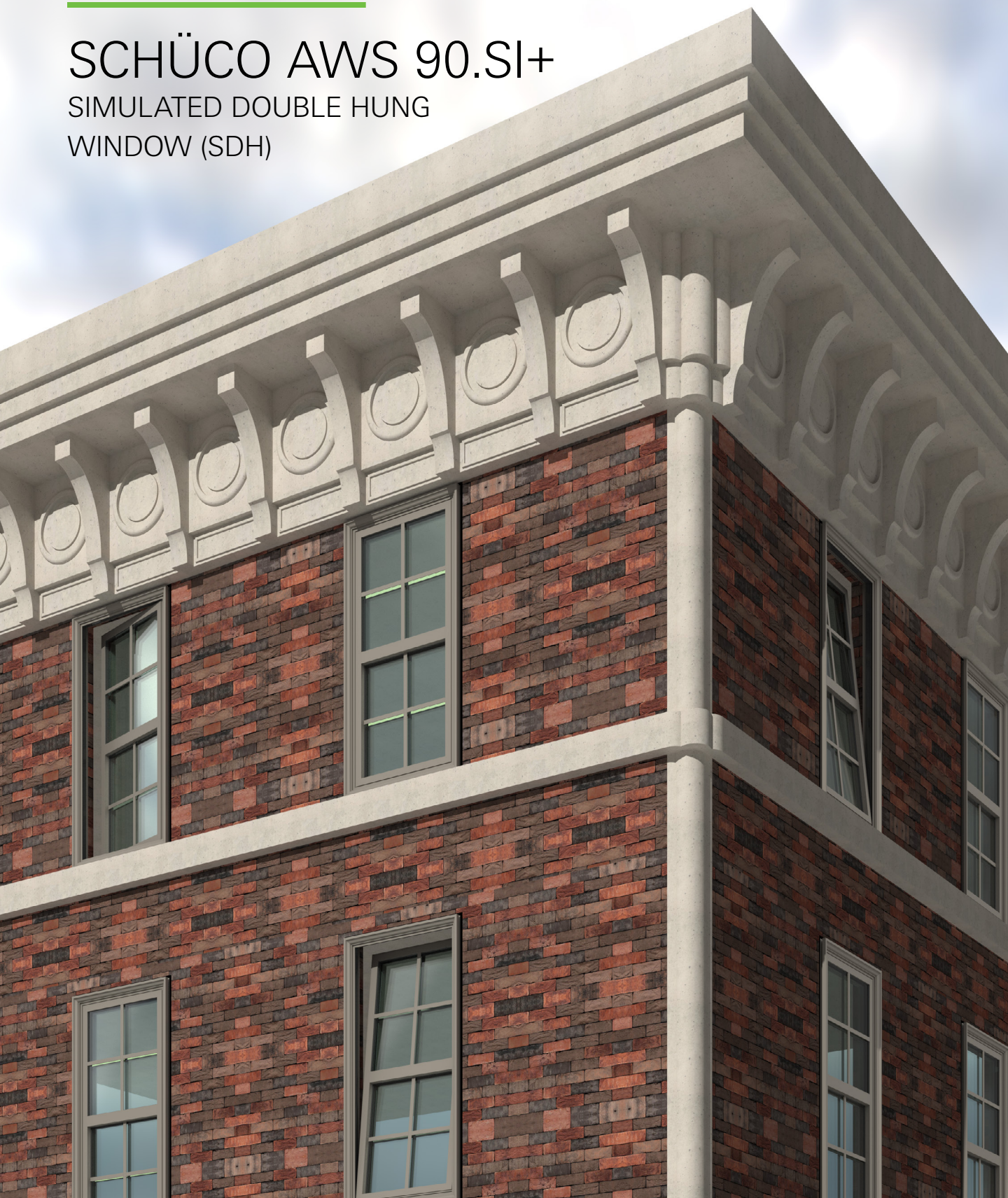
SCHÜCO

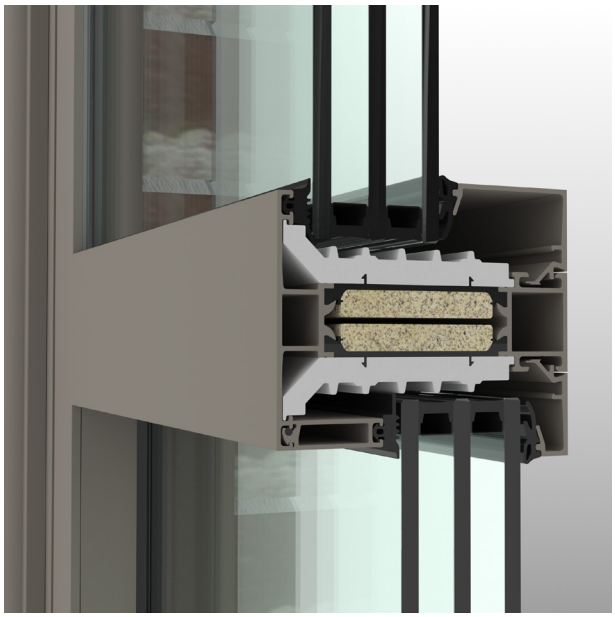
SCHÜCO AWS 90.SI+

SIMULATED DOUBLE HUNG WINDOW (SDH)



SCHÜCO AWS 90.SI+ SDH

Schüco AWS 90.SI+ SDH Sill Detail



Schüco AWS 90.SI+ SDH Transom Detail

Traditionally, architects working on landmark renovation projects had to choose whether to compromise on either performance or on the look and style of the historically preserved windows. Double hung windows are known for poor air tightness due to the lack of a continuous air seal.

The AWS 90.SI+ Simulated Double Hung Window (SDH) was specifically developed as a response to increasingly stricter energy codes for the renovation of historic buildings without having to compromise design or performance. The AWS 90.SI+ SDH features both great air tightness and thermal performance.

In the basic depth of 3-9/16" (90 mm) Schüco offers a comprehensive modular window system, aiming for EnerPhit certification (Passive House program for retrofit projects). The AWS 90.SI+ SDH window features maximum thermal insulation and can be operated as an inward casement, hopper, tilt turn or turn tilt window. A horizontal transom in the middle of the vent creates this faux double hung appearance.

This window option retains the look of a double hung window as the glazing in the upper part of the vent is in a different plane than the glazing in the lower part of the vent but is only one large inward opening vent.

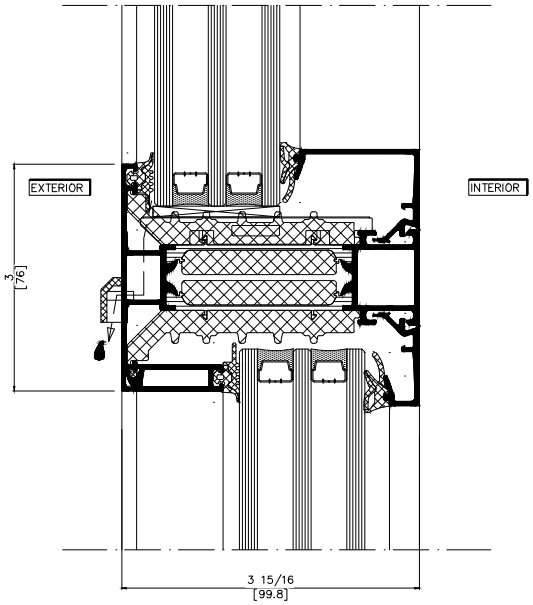
PRODUCT BENEFITS

- Preserving historical building without losing the charm
- Additional trim on upper sash will look historic, offset window sashes (with and without brick mold)
- No compromise in thermal performance or air tightness
- Optional surface applied muntins (grids) available

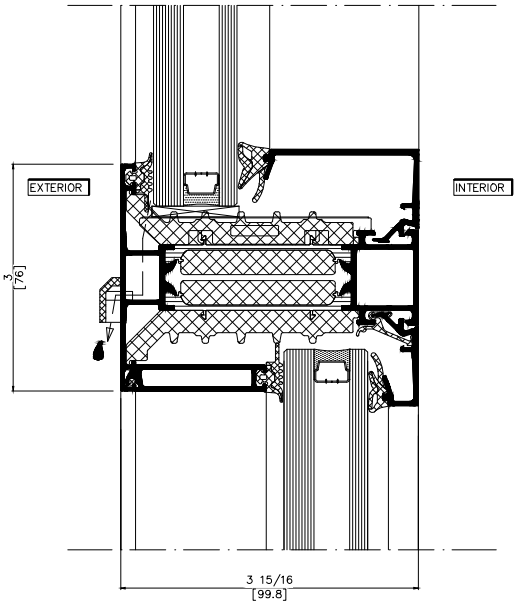
TECHNICAL DATA

Configurations	Casement, Hopper, Tilt Turn, Turn Tilt
Water Tightness	15 psf
Design Pressure	75 psf
Glazing Thickness	Double: 1-1/8" Triple" 1-5/8"
Air Infiltration/Exfiltration	0.01 cfm/ft2
AAMA Rating	AW – PG 75
Thermal Example*	0.20 Btu/hr-ft2/-°F

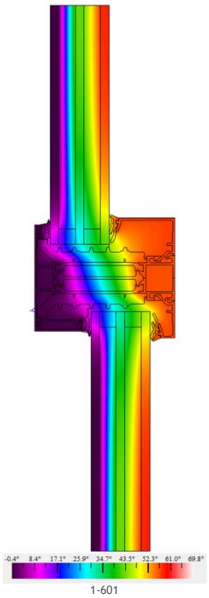
*Information based on NFRC standard test size, IGU U-Value 0.10



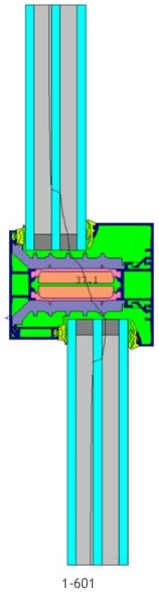
Transom detail of Schüco AWS 90.SI+ SDH, triple glazed



Transom detail of Schüco AWS 90.SI+ SDH, double glazed



Color Contour Diagram of Temperature for U-value Calculation, Triple Glazed



Isothermal Line of Dew Point Temperature for U-value Calculation, Triple Glazed