



ATIR-2021-01 03/02/2022

AFRC Technical Interpretation Request Form

Please complete the highlighted fields and return to the AFRC.

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Interpretation Requested:

NFRC TI-2017-02 technical interpretation for the treatment and assessment of embedded frame members induces errors and counter intuitive results in flush glazed and/or small sightlines. The U-value for the frame sections can be in the millions and counter intuitively influences the whole of window (U_w) of the system.

<i>Date Requested:</i>	<i>Initial Interpretation Date:</i>	<i>Final TAC Approval Date:</i>
16/04/2021	16/04/2021	

Pertinent Documents:

NFRC TI-2017-02 & ATIR TI-2013-02

<i>Referenced Sections:</i>	<i>Referenced Pages:</i>

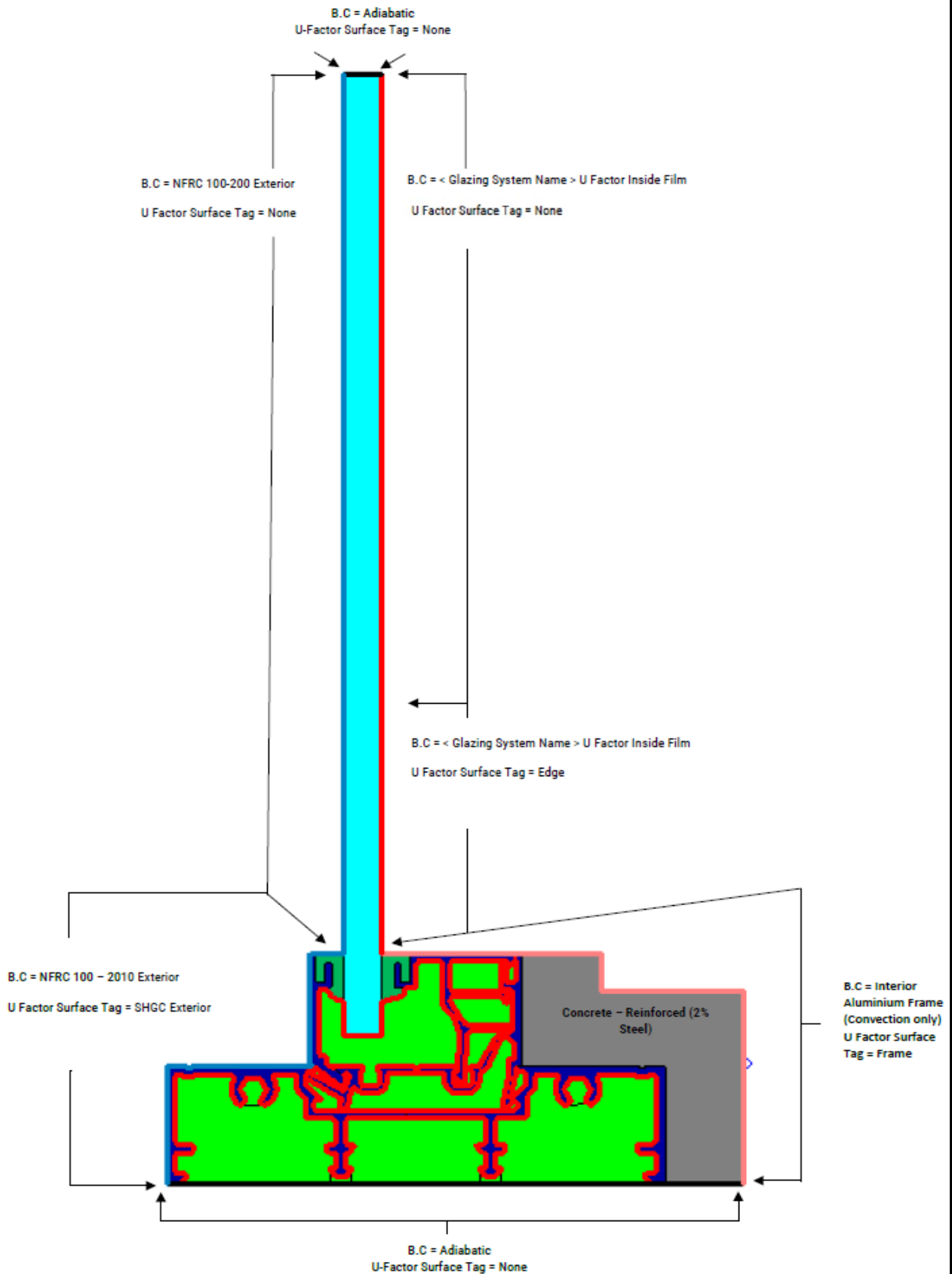
Interpretation :

Permanently embedded framing members shall be modelled with the embedment material nominated as "Concrete – reinforced (2% steel)" as defined within NFRC 101. The embedment shall be ½ Inch in dimension and shall not extend beyond the framing members exterior and/or interior projected frame dimension(s).

The properties of the majority exposed frame system surface properties shall determine the boundary condition and U-factor tag applied the frame and embedment material.

Interpretation :

Example of Simulation Methodology and Boundary Conditions



<i>Technical Committee Revisions to Initial Interpretation:</i>
Nil