Approved: 03/02/2022

ATIR-2022-01

ATIR-2022-*01*
03/02/2022

AFRC Technical Interpretation Request Form

Please complete the highlighted fields and return to the AFRC.

Mail: Suite 1, Level 1, Building 1, 20 Bridge Street, Pymble NSW 2073

Email: Sustainability@agwa.com.au

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 (Uw) of the system.

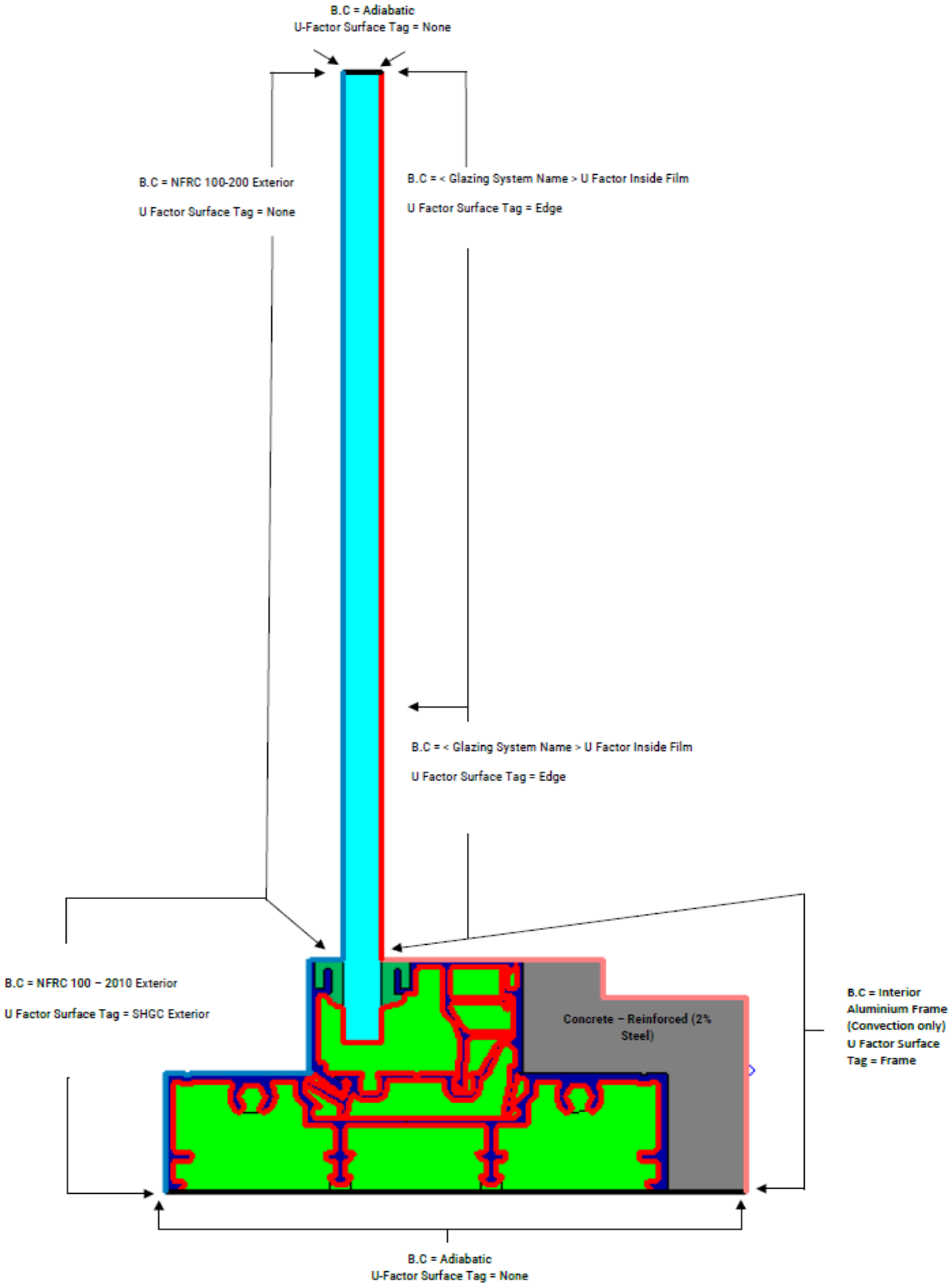
Date Requested:	***Initial Interpretation Date:***	***Final TAC Approval Date:***
16/04/2021	16/04/2021	

Pertinent Documents:	
NFRC TI-2017-02 & ATIR TI-2013-02	
Referenced Sections:	***Referenced Pages:***

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



Technical Committee Revisions to Initial Interpretation:

Nil