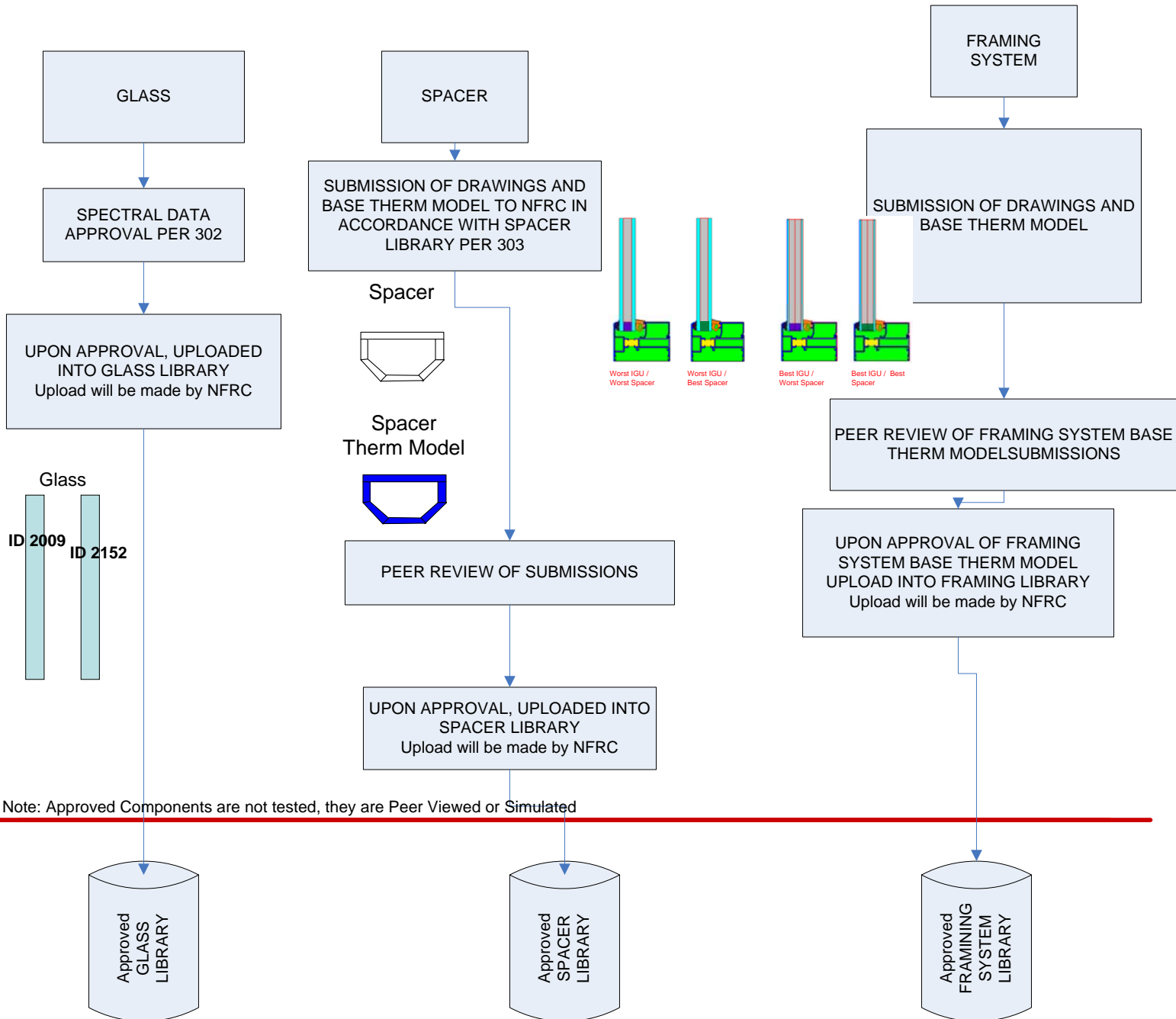
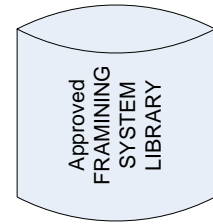
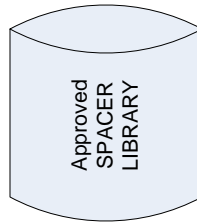
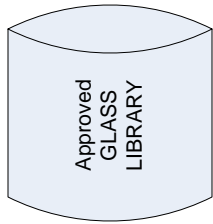


Component-Based Fenestration Product Certification Program

COMPONENT APPROVAL PROCESS



WHOLE PRODUCT SYSTEM CALCULATION



DESIGN TOOL

Web based design tool allowing registered design professionals and system or component manufacturers to develop design performance calculated values for whole product system without an NFRC label certificate.

CERTIFICATION TOOL

REGISTERED DESIGN PROFESSIONAL SELECTS ACCREDITED CALCULATION AGENCY (CA) AND PROVIDES THE FOLLOWING:

Detailed construction of glazing infill; i.e.,

- number of lites
- glass type
- glass thickness
- glass coating type
- coating placement
- spacer gap width
- gas-fill

Identification of insulating glass fabricator

Identification of insulating glass spacer

Identification of framing system manufacturer/fabricator

Details of framing system construction

ACCREDITED CALCULATION AGENCY CALCULATES THE ENERGY PERFORMANCE RATING VALUES IN ACCORDANCE WITH NFRC 100 USING NFRC APPROVED WEB-BASED SOFTWARE TOOLS

Note: Information regarding IG Unit Manufacturer and Framing System Supplier will be part of the report

WHOLE PRODUCT SYSTEM CALCULATION IS THEN STORED IN THE WEB-BASED SOFTWARE PROGRAM FOR AUTHORIZED ACCESS TO REGISTERED DESIGN PROFESSIONAL WHO IS NOTIFIED OF THE CALCULATION COMPLETION VIA E-MAIL

REGISTERED DESIGN PROFESSIONAL ACCESSES THEIR SECURED (PASSWORD-PROTECTED) CALCULATION IN THE WEB-BASED SOFTWARE PROGRAM TO OBTAIN DRAFT REPORT OF THE CALCULATION FOR BIDDING PURPOSES OR FOR GENERATING A LABEL CERTIFICATE

ACQUISITION OF NFRC LABEL CERTIFICATE

ACQUISITION OF NFRC LABEL CERTIFICATE

WEB-BASED PROCEDURE

1. Access web-based password-protected whole product calculation.
2. Sign NFRC License Agreement online
3. Select NFRC Licensed CA
4. Agree to submit to CA whole product system paper-trail documents
5. Generate and print out Label Certificate
6. Label Certificate is automatically transmitted to the Registered Design Professional, CA, and the NFRC office.
7. Whole product system information is then transmitted to the Certified Products Directory

HARD-COPY PROCEDURE

1. Select a NFRC Licensed CA
2. Obtain and sign NFRC license agreement in hard-copy
3. Submit signed license agreement to NFRC
4. Agree to provide the CA with whole product system paper-trail documents
5. Authorize CA to generate and issue Label Certificate

QUALITY ASSURANCE PROGRAM

Registered Design Professional submittal of commercial construction whole product system paper-trail documents to CA.