

**"STRATEGIC PARTNERS FOR
CERTIFICATION SUCCESS"**

2025 SERVICES PROPOSAL



INTERNATIONAL FENESTRATION PARTNERS

NFRC SIMULATION LABORATORY · PHIUS (PASSIVE HOUSE) · PRODUCT ENGINEERING · TESTING REPRESENTATION LOGISTICS · PRODUCT RESEARCH & DEVELOPMENT



ABOUT US



International Fenestration Partners (IFP) is a collaborative group that provides a suite of strategic building envelope testing, engineering, new product research and development testing services, logistics and intermediary services for international and domestic manufacturers. These services include accredited NFRC thermal simulations, Professional Engineer sealed product engineering analysis, product design and physical testing research & development, onsite testing representation and logistical support services.

IFP utilizes its group members collective knowledge, experience and cultivated industry relationships to navigate the ever changing landscape of approved engineering practices, energy efficiency evaluation criteria, hurricane testing and certification standards to provide reliable guidance and consultation to its clients. IFP members are approved to perform product engineering analysis accepted by third party agencies, NFRC and Passive House (PHIUS) thermal simulations and are in good standing with the appropriate governing bodies across the USA.

\$15B+

**Combined Client
Company Valuation
in 2024**

14

**New Products
Supported and
Launched in 2024**

13

**Countries Served
in 2024**

Product Design Consultation

IFP group members provide design stage consultation engineering analysis in conjunction with IFP's research and development services on newly designed building envelope products to determine their strength properties, installation requirements and predicted performance under wind load during testing.

IFP group members specialize in preparing and adapting European window manufacturers designs for use in the USA market. With decades of fenestration experience, IFP group members will work hand in hand with each client to maximize performance of each product offering.



ENGINEERING CONSULTATION

Quality Assurance Consultation

- Assist in structuring quality manual to reflect current manufacturing processes from order entry to shipping.
- Per the I.A. Certifications Program Policy, assist in resolving overdue required actions.
- Letters of component verification to the I.A. for review and approval.
- File paperwork to obtain AWS and NFRC extensions.
- Maintain Florida Product Approvals (expiring quality assurance certificates etc...

Sales Support

- Professional assistance in providing all required documentation for large projects.
- Develop submittal packages for sales team to submit to the architect or job super.
- Work to develop required installation drawings for the project.
- Review existing installation manuals and revise and or develop new if required.
- Preparation of CSI documents.
- Develop professional tech guides.

On Staff Contract Service


We offer a range of hourly contract services from short to long term. We can provide assistance with your current code compliance team or manage the projects independently.

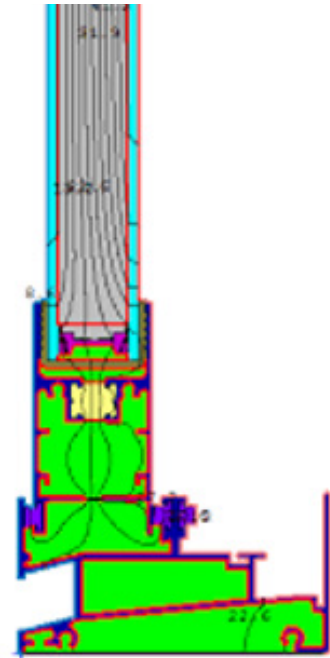
SIMULATION LABORATORY



National Fenestration Ratings Council

Turner Engineering & Consulting (TEC), a member of International Fenestration Partners, is an approved National Fenestration Ratings Council (NFRC) simulation laboratory that can perform the following thermal simulation standards: ANSI/NFRC 100, ANSI/NFRC 200 & NFRC 500. Turner Engineering & Consulting has a staff of NFRC approved simulators for both standard and LEAFF methodologies. All simulations are completed using Lawrence Berkeley National Laboratory (LBNL) WINDOW & THERM software programs and the current, approved version of the International Glazing Database (IGDB).

 National Fenestration Rating Council® CERTIFIED	World's Best Window Co. Series "2000" Casement Vinyl Clad Wood Frame Double Glazing • Argon Fill • Low E XYZ-X-1-00001-00001
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S. / I-P) 0.35	Solar Heat Gain Coefficient 0.32
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance 0.51	Air Leakage (U.S. / I-P) ≤ 0.3
Condensation Resistance 51	—
<small> Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. www.nfrc.org </small>	



PASSIVE HOUSE USA

IFP group members are approved to perform PHIUS (Passive House USA) calculations via the Blue Path Label Program in conjunction with Turner Engineering & Consulting (TEC). All simulations are completed using Lawrence Berkeley National Laboratory (LBNL) WINDOW & THERM software programs, Complex Glazing Database (CGDB) approved environmental conditions, the PHIUS Window Calculator and the current approved version of the International Glazing Database (IGDB).



PRODUCT CERTIFICATION ENGINEERING

PRODUCT APPROVAL

IFP group members specialize in Florida Product Approval (FPA) Engineering Calculations, Drawings & Evaluation Reports, Uploads and Validations. IFP group members can also provide Texas Department of Insurance (TDI) engineering documents, Miami-Dade Notice of Approval applications and coordination. In addition IFP group members hold PE licenses in both Florida & Texas and can produce site specific engineering upon request.

PRODUCT ENGINEERING ANALYSIS

- Windows
- Swing & Sliding Doors
- Storefront Systems
- Entrance Doors
- Mullions
- Storm Shutters
- Curtain Wall
- Storm Rooms
- Site Specific Engineering





TESTING REPRESENTATION & LOGISTICS



SERVICES:

IFP group members have assisted international and domestic manufacturers of all sizes complete recognized testing standards, via outside accredited testing laboratories and has also worked with third party accreditation entities to secure certification for its clients. Testing representation and logistical services include facilitating structural, thermal and sound transmission testing standards currently approved for use, construction of testing bucks, assembling and installing product, producing and compiling laboratory drawing sets and completing testing and certification requirements.

- Receiving shipments from international clients and delivering to testing laboratory once prepared for use.
- Specimen preparation for testing, including assembly & installation in testing substrate
- Test witnessing, remedial adjustments & completion
- Producing laboratory drawing sets & draft test report review
- Intermediary between client, testing laboratory, engineering company & third party agency

All certification testing will be performed at ISO 17025 and other third party certified testing lab

RESEARCH & DEVELOPMENT TESTING



With over 70 years combined experienced in product development, testing and certification, IFP group members work as a cohesive team to perform pre-test engineering calculations, thermal simulations, air/water/structural research and development testing and comparative market research analysis to determine the viability of a newly designed product. Product design research and development conclusions are based on performance data derived from approved simulation software, calibrated physical structural testing equipment and engineering calculation formulas that will be used during final certification testing, simulation and engineering analysis to ensure accuracy and repeatability.



IFP Research Laboratory Testing

(TESTING IN ACCORDANCE WITH)

- ASTM E 330
- ASTM E 283
- ASTM E 331
- ASTM E 547
- TAS 202
- ANSI/NFRC 100
- ANSI/NFRC 200
- NFRC 500

SERVICES

- Product pre-production design review
- Iteration thermal performance evaluations to define maximum performance of design variations.
- Pre-test engineering calculations
- Comparative market research to compare performance, material and cost
- Research and development air/water/structural testing and remedial design comments.



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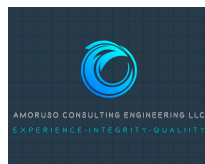
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INTERNATIONAL



TURNER
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