



City of Frisco, Texas
 Residential Energy Compliance Path
 Energy Code Requirements of the 2021 IECC (IRC) as amended
Submit with application for either
 A building permit OR **A Certificate of Occupancy**



Project Address: _____

Project shall comply with one of the following:

- Option #1 – Prescriptive Compliance: Sections R401 through R404 (N1101 through N1104)**
- Option #2 – Total Building Performance Compliance: Section R405 (N1105)**
 - Includes compliance with requirements from Sections R401 through R402 as indicated in Table R405.2
- Option #3 – IECC Energy Rating Index Compliance: Sections R406 (N1106)**
 - Includes compliance with requirements from Sections R401 through R402 as indicated in Table R406.2
 - Note: The HERS® index is not valid for code compliance.
- Option #4 – ENERGY STAR Certified Homes® R102.1.1 (N1101.4.1)**
 - Includes compliance with requirements from Sections R401 through R402 as indicated in Table R405.2
 - Includes compliance with requirements from Section R402.4.1.2 (N1102.4.1.2), R403.3.3 (N1103.3.3), and R403.6.3 (N1103.6.3).
 - Note: Each 1- and 2-family dwelling shall be tested.
- Option #5 – HB 3215 (87R) Home Energy Rating System Index Compliance**
 - Includes compliance with ANSI/RESNET/ICC 301, as it existed on January 1, 2021.
 - Includes compliance with the Mandatory requirements of 2018 IECC Section R406.2.
 - Includes compliance with Building thermal envelope provision of 2018 IECC R402.1.2 or 2018 IECC R402.1.4.

Attach appropriate site-specific design compliance report and inspection checklist.

Name and version of the compliance software (if selecting Option 2 through 5): _____

I certify that I have verified insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, mechanical ventilation, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.

Agency and Certification Number: _____

Signature of Responsible Party: _____

Printed Name and Title of Responsible Party: _____



City of Frisco, Texas

Residential Energy Testing Compliance Certificate
Energy Code Requirements of the 2021 IECC (IRC) as amended
Provide this form at building completion prior to final inspections



Project Address: _____ Permit Number: _____

BUILDING THERMAL ENVELOPE TESTING VERIFICATION

Building Thermal Envelope Leakage Testing (R402.4.1.2):

_____ ACH50 _____ CFM per SF of dwelling unit enclosure*

I certify that I have conducted an **air leakage test and it has passed the requirements of the 2021 International Energy Conservation Code, as amended locally**. I further certify the testing was conducted in accordance with ANSI/RESNET/ICC 380, ASTM E779, or ASTM E1827 and that I am a third party as approved by the building official.

Agency and Certification Number: _____

Signature of Responsible Party: _____

Printed Name and Title of Responsible Party: _____

DUCT LEAKAGE TESTING VERIFICATION

Rough-In Test Option (R403.3.5 1.) **Post Construction Test Option (R403.3.5 2.)**

System #1 - _____ CFM25 System #2 - _____ CFM25 System #3 - _____ CFM25

System #4 - _____ CFM25 System #5 - _____ CFM25 System #6 - _____ CFM25

I certify that I have conducted a **total duct leakage test and it has passed the requirements of the 2021 International Energy Conservation Code, as amended locally**. I further certify that the testing was conducted in accordance with ANSI/RESNET/ICC 380 or ASTM E1554.

Agency and Certification Number: _____

Signature of Responsible Party: _____

Printed Name and Title of Responsible Party: _____

MECHANICAL VENTILATION AIRFLOW TESTING VERIFICATION

Whole house System #1 - _____ CFM Whole house System #2 - _____ CFM

Exhaust System #1 - _____ CFM Exhaust System #2 - _____ CFM Exhaust System #3 - _____ CFM

Exhaust System #4 - _____ CFM Exhaust System #5 - _____ CFM Exhaust System #6 - _____ CFM

I certify that I have conducted **whole-dwelling mechanical ventilation airflow and exhaust ventilation airflow tests and they have passed the requirements of the 2021 International Residential Code or International Mechanical Code as applicable and as amended locally**. I further certify that I am a third party as approved by the building official.

Agency and Certification Number: _____

Signature of Responsible Party: _____

Printed Name and Title of Responsible Party: _____

Prepared June 2022, by the Energy and Green Advisory Board of the Regional Codes Coordinating Committee, a committee of the North Central Texas Council of Governments (NCTCOG). <https://www.nctcog.org/envir/regional-building-codes/amendments>.

* Per R402.4.1.2 and R402.4.1.3: The maximum infiltration rate for Option 1 Prescriptive Path is 5 ACH in Climate Zone 2 or 3 ACH in Climate Zone 3. The maximum infiltration rate for all other compliance paths and climate zones is 5 ACH or 0.28 CFM per SF of dwelling unit enclosure.