

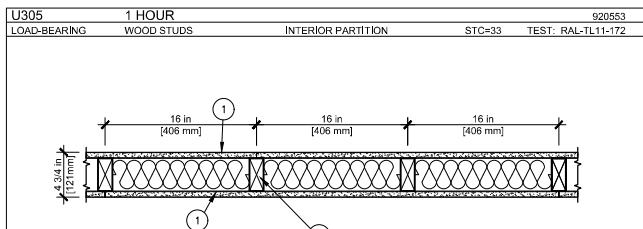
FLOOR PLAN

2nd STORY

SCALE: 1/8" = 1'-0"

NOTE: Quantities inches both units

UL U305



FIRE WALL
DETAIL

NTS.

WINDOWS SCHEDULE			
ITEM	SIZE	QUANTITY	TYPE
1	4'-0" x 5'-0"	4	SH
2	3'-0" x 5'-0"	12	SH
3	3'-0" x 3'-0"	2	SH

DOORS SCHEDULE			
ITEM	SIZE	QUANTITY	TYPE
A	3'-0" x 7'-0"	2	SHS
B	2'-8" x 6'-8"	2	SHH
C	2'-6" x 6'-8"	4	SHH
D	2'-0" x 6'-8"	4	SHH
E	5'-0" x 6'-8"	2	FR
F	2'-8" x 6'-8"	2	SHS

SHS = SINGLE HINGED SOLID CORE
SHH = SINGLE HINGED HOLLOW CORE
FR = FRENCH

IECC 2021 GREEN/ENERGY CODE COMPLIANCE FOR HOME

ALL GREEN/ENERGY SYSTEMS MUST MEET THE REQUIREMENTS FROM THE CHAPTER 4 OF THE INTERNATIONAL ENERGY CONSERVATION CODE, REFERRED TO RESIDENTIAL ENERGY EFFICIENCY. IF ANY ITEM IS NOT LISTED BELOW REFER TO THE MENTIONED CHAPTER.

1. STORM WATER:

1.1. TOP OF NON-ROOF AREA HAS VEGETATIVE LANDSCAPE, PERMEABLE PAVING OR SLOPED FOR RUNOFF TO A PERMANENT FILTRATION FEATURE.

2. WATER EFFICIENCY:

2.1. LAVATORY FAUCETS MUST HAVE AN AVERAGE FLOW RATE OF 2.0 GALLONS PER MINUTE OR LESS.

2.2. SHOWERS MUST HAVE AN AVERAGE FLOW RATE OF 2.0 GALLONS PER MINUTE OR LESS.

2.3.1. LESS THAN OR EQUAL TO 1.3 GALLONS PER FLUSH.

2.3.2. DUS FLUSH COMPLYING WITH ASME A 112.19.14.

2.3.3. COMPLY WITH U.S. EPA WATER SENSE.

2.4. ENERGY STAR DISHWASHER.

2.5. ENERGY STAR CLOTHES WASHER.

3. HEAT ISLAND MITIGATION:

3.1. ENERGY STAR QUALIFIED ROOF SYSTEM FOR ROOF WITH SLOPE OF 2:12 OR GREATER.

3.2. RADIANT BARRIER IN ATTIC WITH CONVENTIONAL SHINGLES.

3.3. ENCAPSULATED FOAM INSULATION BETWEEN THE ROOF RAFTERS (R-22 OR GREATER).

3.4. ENCAPSULATED FOAM INSULATION ON FLOOR OR ROOF.

3.5. SILL PLATE MUST BE SEALED ON THE INSIDE OF FOAM OR CAULK.

3.6. ALL WALL PENETRATIONS TO THE EXTERIOR MUST BE SEALED WITH FOAM OR CAULK.

3.7. BLOWED DOOR TESTING IS MANDATORY, NOT TO EXCEED 4 AIR CHANGES PER HOUR AT 50 PASCALS.

4. DUCTS & AIR SEALING:

4.1. DUCTS MUST BE TESTED AND VERIFIED TO HAVE TOTAL LEAKAGE OF NO MORE THAN 4 FT/MIN PER 100 SQUARE FOOT FOR 3 CFM IF AIR HANDLER IS NOT INSTALLED, EXCEPT WHERE AIR HANDLER AND ALL DUCTS ARE LOCATED INSIDE CONDITIONED SPACE. AIR HANDLERS AND FILTER BOXES MUST ALSO BE PROPERLY SEALED.

4.2. HVAC AND DUCTWORK LOCATED OUTSIDE OF FIRE RATED ENVELOPE OR GARAGE.

4.3. BUILDING ENVELOPE IS REQUIRED TO BE PROPERLY SEALED AND TESTED AND VERIFIED AS NOT MORE THAN AIR LEAKAGE RATE NO HIGHER THAN 3 CFM AT 0.05 IN. G.C. (50 PASCALS).

4.4. SUPPLY AND RETURN DUCTS IN ATTICS SHALL BE SEALED AND INSULATED WITH R-8 WHEN DUCTS IS 3' OR GREATER, R-6 WHEN 3' OR LESS AND EXEMPT WHEN COMPLETELY INSIDE CONDITIONED SPACE.

5. INSULATION:

5.1. ALL ATTIC INSULATION FENESTRATION U-FACTOR FOR CRYSTAL MUST BE 0.35, SKYLIGHT U-FACTOR 0.55 AND VENTILATED FENESTRATION SHC 0.25.

5.2. CEILINGS MUST BE INSULATED WITH R-38, IF NO ATTIC SPACE R-30, THIS REDUCTION IS LIMITED TO 500 SQUARE FEET (46 M²) OR 20% OF THE TOTAL INSULATED CEILING AREA, WHICHEVER IS LESS.

5.3. ATTIC ACCESS LADDERS AND HATCHES, MUST BE INSULATED THE SAME AS THE ATTIC AND HAVE A TIGHTER SEAL.

5.4. ALL EXTERIOR WALLS MUST BE INSULATED WITH R-20 CANOPY OR R-13 CANOPY WITH R-5 CONTINUOUS INSULATION OR HIGHER.

5.5. CRAWL SPACE WALLS MUST BE INSULATED WITH T-5 CONTINUOUS OR R-13 CANOPY INSULATION, WITH VAPOR BARRIER OVER EXPOSED EARTH.

5.6. CONCRETE BEAM OR ANY OTHER RAISED FLOOR SYSTEM MUST BE INSULATED WITH R-19 INSULATION OR HIGHER.

6. HVAC SYSTEMS:

6.1. TEMPERATURE CONTROLS MUST BE INSTALLED, INCLUDING A PROGRAMMABLE THERMOSTAT CONTROLLING THE PRIMARY HEATING AND COOLING SYSTEM.

6.2. MECHANICAL SYSTEM PIPING MUST BE INSULATED TO A MINIMUM OF R-3. HOT WATER PIPING 3/4" IN DIAMETER OR LARGER AND ALL HOT WATER PIPING IN CERTAIN APPLICATIONS MUST BE INSULATED TO R-3.

6.3. LIGHTING:

6.4. A MINIMUM OF 75% OF LAMPS IN PERMANENTLY INSTALLED FIXTURES MUST BE HIGH-EFFICIENCY AS DEFINED IN THE IECC.

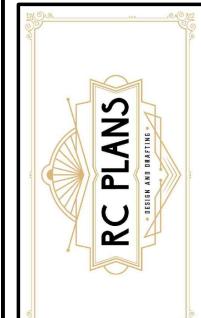
ADOPTED CITY CODES:

- 2021 International Building Code
- 2021 International Residential Code
- 2021 International Energy Conservation Code
- 2021 International Fuel Gas Code
- 2021 International Mechanical Code
- 2021 International Plumbing Code
- 2021 International Existing Building Code
- 2021 International Fire Code
- 2020 National Electrical Code



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Firm Number F-9156

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USE:	RESIDENTIAL NEW DUPLEX CONSTRUCTION
PLAN:	RC PLANS
DATE:	11/18/2024
SCALE:	1/8" = 1'-0"

ADDRESS:
117 N VAN BUREN AVE, DALLAS, TX 75208

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