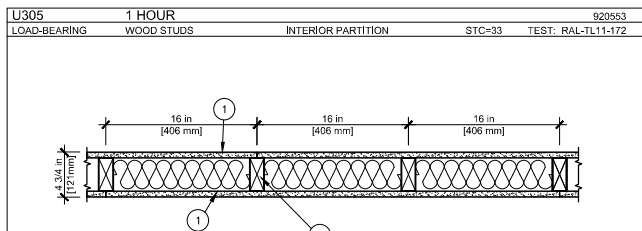


**FLOOR PLAN**  
**1st STORY**

SCALE 1/8" = 1'-0"

## 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

SH = SINGLE HUNG

## 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

NOTE: Quantities inches both units

## 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.

- STORMWATER:**
  - 1.1. TOP OF NON-ROOF AREA HAS VEGETATIVE LANDSCAPE, PERMEABLE PAVING OR SLOPED FOR RUNOFF TO A PERMANENT FILTRATION FEATURE.
- WATER EFFICIENCY:**
  - 2.1. LAVATORY FAUCETS MUST HAVE AN AVERAGE FLOW RATE OF 2.0 GALLONS PER MINUTE OR LESS.
  - 2.2. SHOWERS HEADS MUST HAVE AN AVERAGE FLOW RATE OF 2.0 GALLONS PER MINUTE OR LESS.
  - 2.3. TOILETS MUST HAVE AN AVERAGE FLOW RATE OF:
    - 2.3.1. LESS THAN OR EQUAL TO 1.3 GALLONS PER FLUSH.
    - 2.3.2. DUAL FLUSH COMPLYING WITH ASME A-112.19.14.
    - 2.3.3. COMPLY WITH US EPA WATER SENSE.
  - 2.4. ENERGY STAR DISHWASHER.
  - 2.5. ENERGY STAR CLOTHES WASHER.
- 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. WINDOWS AND DOORS MUST BE SEALED WITH FOAM OR CAULK.
  - 3.5. SILL PLATE MUST BE SEALED ON THE INSIDE WITH FOAM OR CAULK.
  - 3.6. ALL WALL PENETRATIONS TO THE EXTERIOR MUST BE SEALED WITH FOAM OR CAULK.
  - 3.7. BLOWER DOOR TESTING IS MANDATORY, NOT TO EXCEED 4 AIR CHANGES PER HOUR AT 50 PASCALS.
- DUCTS AND AIR SEALING**
  - 4.1. DUCTS MUST BE TESTED AND VERIFIED TO HAVE TOTAL LEAKAGE OF NO MORE THAN 4 FT<sup>3</sup>/MIN PER 100 SQUARE FOOT (OR 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 OF GARAGE.
  - 4.3. THE BUILDING ENVELOPE IS REQUIRED TO BE PROPERLY SEALED AND TESTED, AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NO HIGHER THAN 3 ACH AT 0.20 INCH W.G. (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.
- INSULATION:**
  - 5.1. ALL WINDOWS FENESTRATION U-FACTOR FOR CITY MUST BE 0.35, SKYLIGHT U-FACTOR 0.55 AND GLAZED FENESTRATION SHGC 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 M<sup>2</sup>) OR 20% OF THE TOTAL INSULATED CEILING AREA, WHICHEVER IS LESS.
  - 5.3. ATTIC ACCESS LADDERS AND OR HATCHES, MUST BE INSULATED THE SAME AS THE ATTIC AND HAVE A WEATHER SEAL.
  - 5.4. ALL EXTERIOR WALLS MUST BE INSULATED WITH R-20 CAVITY OR R-13 CAVITY WITH R-5 CONTINUOUS INSULATION OR HIGHER.
  - 5.5. CRAWL SPACE WALLS MUST BE INSULATED WITH T-5 CONTINUOUS OR R-13 CAVITY INSULATION, WITH VAPOR BARRIER OVER EXPOSED EARTH.
  - 5.6. PIER AND BEAM OR ANY OTHER RAISED FLOOR SYSTEM MUST BE INSULATED WITH R-19 INSULATION OR HIGHER.
- HVAC SYSTEMS**
  - 6.1. TEMPERATURE CONTROLS MUST BE INSTALLED, INCLUDING A PROGRAMMABLE THERMOSTAT CONTROLLING THE PRIMARY HEATING AND COOLING SYSTEM.
  - 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.
  - 6.2. PIPES CARRYING FLUID OVER 104° OR BELOW 55° MUST BE INSULATED WITH R-13.
  - 6.3. LIGHTING:
    - 6.4. A MINIMUM OF 75% OF LAMPS IN PERMANENTLY INSTALLED FIXTURES MUST BE HIGH-EFFICACY AS DEFINED IN THE IECC.

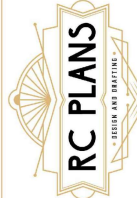
## ADOPTED CITY CODES:

- 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

12/16/2024



214-859-4267

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

ADDRESS:

117 N VAN  
BUREN  
AVE,  
DALLAS, TX  
75208

PAGE NUMBER:

03