

Energy Code Compliance

BUILDER SHALL COMPLY WITH THE ENERGY EFFICIENCY CHAPTER OF THE INTERNATIONAL RESIDENTIAL CODE (IRC). HOMES ARE REQUIRED TO HAVE THE ENERGY COMPONENTS OF THE BUILDING VERIFIED BY ANALYSIS AND INSPECTION.

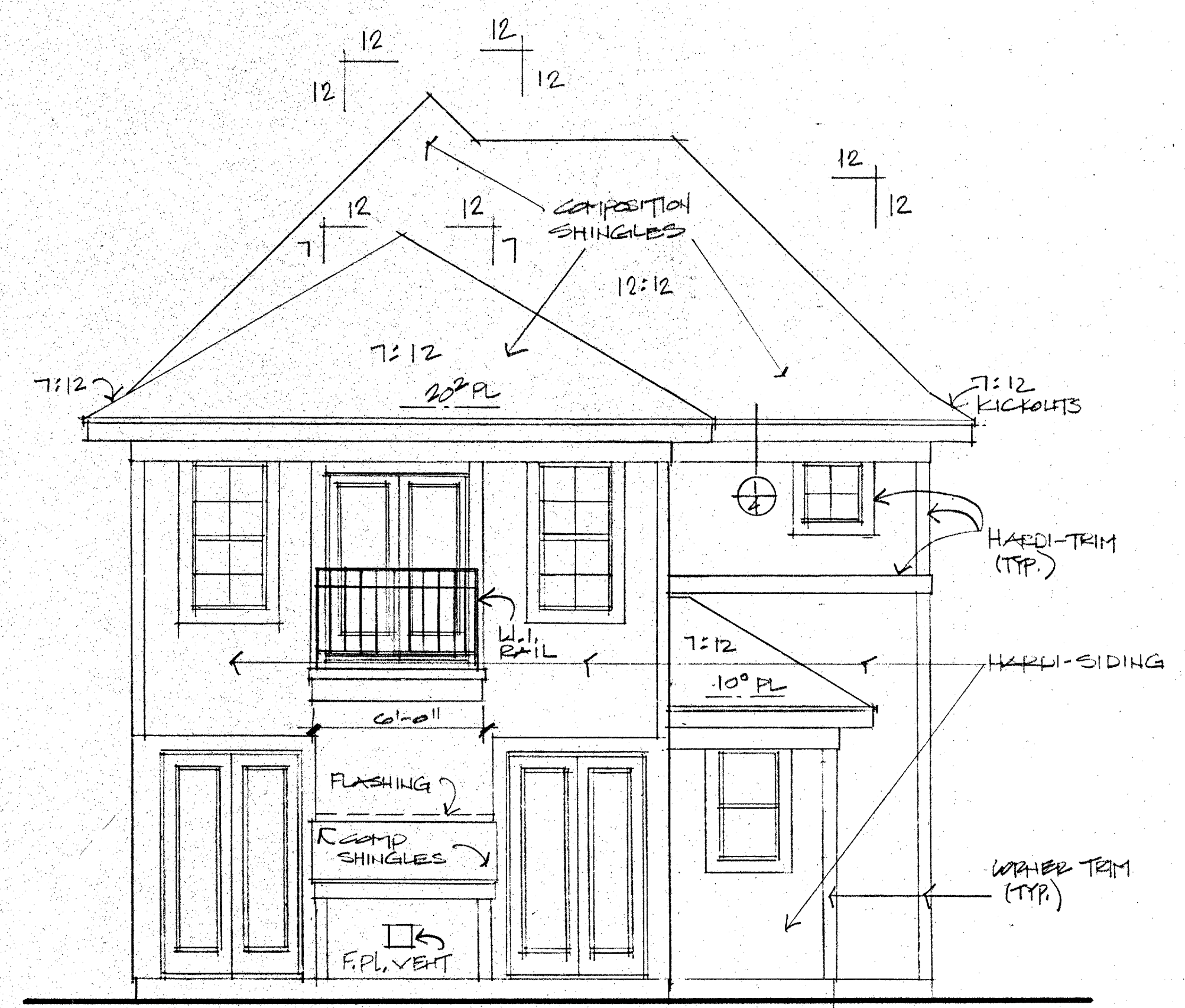
CALCULATIONS FOR THESE PLANS ARE BASED UPON THE FOLLOWING CRITERIA:

- 14 SEER A/C W/ PROGRAMMABLE THERMOSTAT FOR EACH SYSTEM
- 80% AFUE FURNACE
- R-13 WALL INSULATION
- R-19 WALL INSULATION (2 X 6)
- R-30 CEILING INSULATION
- R-19 SLOPED CEILING INSULATION
- R-19 FLOOR INSULATION (OVER UNCONDITIONED SPACE)
- 1/2" WALL SHEATHING (W/ UNBREACHED VAPOR BARRIER)
- R-6 DUCTWORK
- RADIANT BARRIER ROOF DECKING WOOD FR. DOOR W/ .33 SHGC AND .33 U-VALUE
- WINDOWS SHGC = .33
- BUTT GLASS WINDOW U-VALUE = .85
- WATER HEATERS ENERGY FACTOR = .56

ALL HOMES WILL BE REQUIRED TO BE INSPECTED FOR THESE COMPONENTS AS A MINIMUM. IF DIFFERENT COMPONENTS ARE USED, THE RATING WILL NEED TO BE REVISED. HOMES WILL REQUIRE AN INSPECTION BEFORE SHEETROCK COVER UP AND INSPECTED AT THE FINAL STAGE.

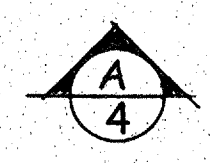
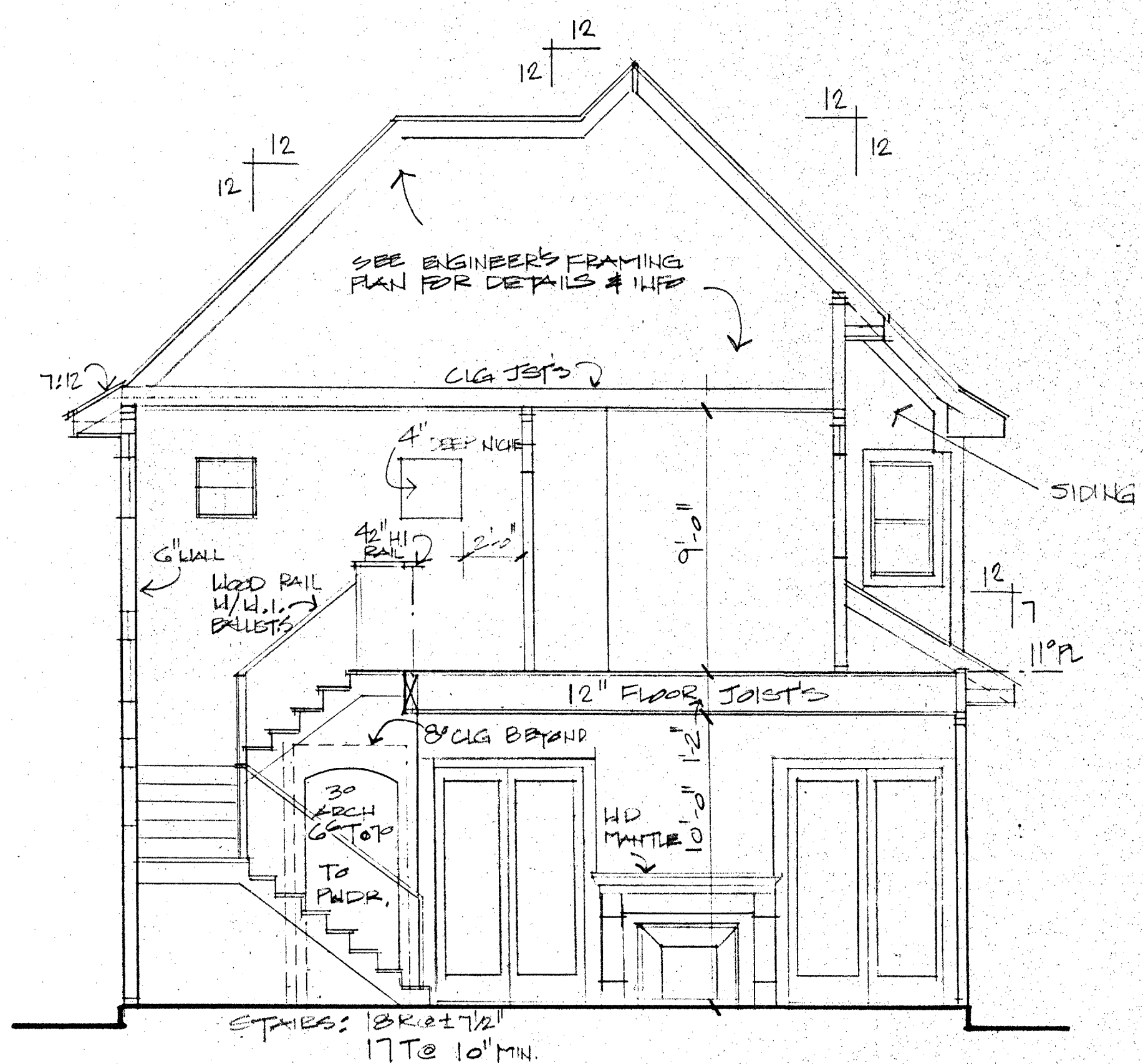
Left Elevation

1/4" = 1'-0"



Rear Elevation

1/4" = 1'-0"



BUILDING SECTION

- ALL LOAD BEARING STUDS TO BE 16" OC
- DOUBLE FLOOR JOIST AND TRIPLE FLOOR JOIST UNDER PARTITIONS PARALLEL TO JOIST SPANS. IRC R 502.4
- JOIST SHALL BE SUPPORTED Laterally AT EACH END AND AT EACH SUPPORT IRC R 502.7
- SOLID BLOCKING SHALL NOT BE LESS THAN 2" IN THICKNESS AND MUST BE THE FULL DEPTH OF JOIST IRC R 502.7.1
- ALL EXTERIOR WALLS AND MAIN CROSS-STUD PARTITIONS SHALL BE EFFECTIVELY BRACED AT EACH END OR AS NEAR THERETO AS POSSIBLE AND AT LEAST EVERY 25' OF LENGTH IRC TABLE 602.10.3
- PURLIN BRACES SHALL BE 45 DEGREES OR GREATER AND SHALL NOT EXCEED 8' IN LENGTH WITHOUT LATERAL SUPPORT OR STIFFENER
- ATTIC ACCESS ARE PROVIDED ON PLAN TO SERVE MECHANICAL EQUIPMENT AND LIMITED LIGHT STORAGE BUT IN NO CASE SHALL THE COMBINED DECKED AREA EXCEED 500 SQUARE FEET

1 TYP. SOFFIT DETAIL
4 SCALE: NONE

