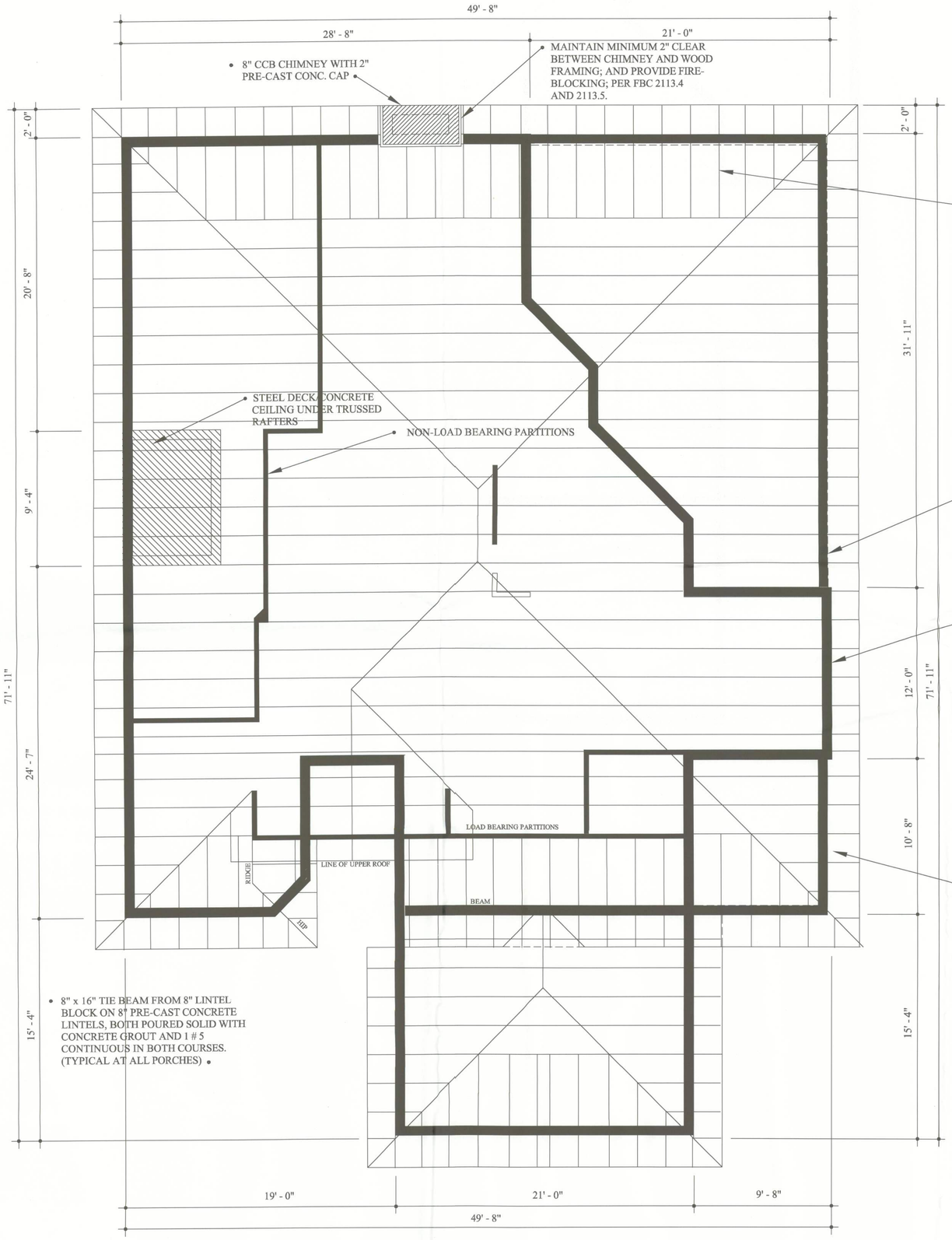

ROOF FRAMING PLAN 1/4" = 1' - 0"

1. WIND LOADING: (110MPH)
   "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSDTD 10-99" WAS USED.
   TABLE 205C: VERTICAL TIES:
   #5 VERTICAL TIES @ 6' O.C. MAX.
   #5 VERTICAL TIES @ ALL CORNERS
   #5 VERTICAL TIES @ ALL JAMBS BY OPENINGS GREATER THAN 6'
   BOND BEAM REINFORCING: SECTION 205.2.3: 8" x 16" WITH 2#5'S
   SHEARWALLS: (SEE SHEET 2)
   TOTAL LENGTH REQUIRED: FBC 2105.1.2: 40% OF LONGEST DIMENSION = 0.4(71.9')=29'
   TABLE 205H: MIN. SHEARWALL LENGTH AT ENDWALLS: L/W=1.44; =97% OF 2.5 & 49.67 = 96% OF 52; USE 97% OF 3.3=3.2'
   TABLE 205J: MIN. SHEARWALL LENGTH AT SIDEWALLS: 97% OF 3.7=3.6'
   SECTION 208.2.6: HIPPED ROOFS: USE STEP DOWN SYSTEM WITH END JACKS PER FIGURE 208K.
   TABLE 208E: UPLIFT LOADS:
   TOTAL DEAD AND LIVE ROOF LOAD = 35PSF
   DEAD LOAD = 19PSF
   TABLE LOAD FOR 20 PSF, (96% OF 52') = .96(1350) = 1296 LBS/TRUSSED RAFTER @ 24" O.C. = 648 LBS/BEARING

   THEREFORE USE "SIMPSON" # ETA14 AT MASONRY BEARINGS WITH "TSS2-2" MOISTURE BARRIER SEAT, WITH 5-10d'S x 1 1/2", OR = >648 LBS UPLIFT; AND "SIMPSON" # H6 WITH 8-8d'S x 1 1/2" TO RAFTERS AND 8-8d'S TO STUDS AT HIGH FOYER BEARINGS;

2. TRUSSED RAFTERS
   PRE-FABRICATED, TRUSSED RAFTERS SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER, WHOSE SPECIALTY IS STRUCTURAL ENGINEERING, OR A FLORIDA REGISTERED ARCHITECT, FOR PROFILES AND DEAD LOADS SHOWN HEREIN, AND FOR 110 MPH WIND LOADING. TRUSS MANUFACTURER SHALL BE CERTIFIED IN FLORIDA.

A RESIDENCE For MR. & MRS. GARY WALKER
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ROOF FRAMING PLAN

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SHEET 5 OF 6

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