

SECURELY FASTEN TO EXISTING FLOOR JOIST HEADER OR END JOIST 1/2" DIAMETER OR LARGER BOLT OR EQUIVALENT 2 O.C.

USE METAL JOIST HANGERS

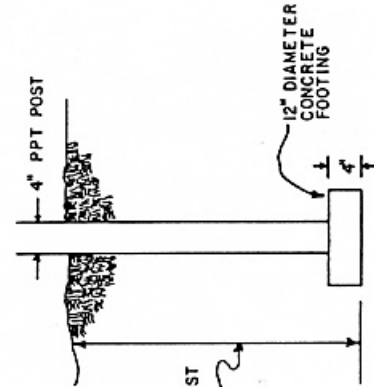
2 - 2x12 BEAM  
END NAILS 2-10d NAILS EACH JOIST

4 x 4 PRESSURE TREATED POSTS, 8' O.C. FOR UP TO 9' ABOVE GROUND LENGTH, 6x6 FOR 9' TO 17' LENGTH.

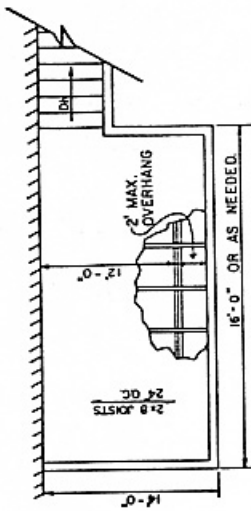
NOTE: USE OF 2-2x12 BEAMS WILL PERMIT 10' POST SPACING WITH 14" WIDE DECK.

TO FROST LINE, 3' MIN

### FRAMING ISOMETRIC FOR JOIST SPANS (BEAM TO BEAM) OF 12' OR LESS



### FOOTING DETAIL



SCALE

TABLE 1

JOIST SIZE AND SPAN CHART

BOARD SIZE	#1 GRADE		#2 GRADE	
	MAX. SPAN	MAX. SPAN	MAX. SPAN	MAX. SPAN
2 x 6	9' - 9"	7' - 11"	8' - 7"	7' - 0"
2 x 8	12' - 10"	10' - 6"	11' - 4"	9' - 3"
2 x 10	16' - 5"	13' - 0"	14' - 0"	11' - 10"

- NOTES:
1. THESE PLANS ARE DESIGNED TO SHOW BASIC DECK CONSTRUCTION, ASSUMING 50 LB/SQ. FT. TOTAL LOAD -- A HOME USE STANDARD
  2. THE BASIC MODULE (14' x 16') MAY BE SHORTENED OR EXTENDED ALONG THE 16' DIMENSION
  3. REFER TO TABLE 1 WHEN SPACING OTHER DISTANCES THAN SHOWN IN THIS PLAN
  4. PRESSURE PRESERVATIVE (CCA) TREATED WOOD SHOULD BE USED. USE OF TREATED LUMBER FOR POSTS AND BEAMS AND REDWOOD FOR DECKING AND RAILS IS A POPULAR CHOICE
  5. DECKS MAY BE OF ANY WEATHER RESISTANT MATERIAL THAT HAS ADEQUATE STRENGTH SUCH AS 2x3/2 INCH APA RATED STURDIO FLOOR EXT. PLYWOOD. WEATHER RESISTANT PROTECTIVE COATINGS ARE RECOMMENDED. PRESSURE PRESERVATIVE TREATED, 1.5" THICK BOARDS ARE EXCELLENT EXCEPT THAT TREATMENT CHEMICAL MUST BE EPA APPROVED FOR THIS USE

NOTE:

- THINNER WOOD DECKS REQUIRE CLOSER SPACING OF JOIST
- SEE 6407 FOR STAIR AND RAILING DETAIL

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS  
STATE OF TENNESSEE  
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