DECK, 2000 IRC

A  Post footing depth:  24" minimum

B  Steps:
   Riser Maximum:  7 – ¾"
   Tread Minimum:  10"

C  Stair guardrail height:  34" minimum, measured from tread toe when total stair rise exceeds 30" above grade

D  Porch, balcony or raised floor guardrail height:  36" minimum when walking surface exceeds 30"

E  Guardrail intermediate openings:  4" maximum

A  Handrail:
   Height:  38" maximum
         34" minimum

Gripsize:
   Diameter:  1-¼" to 2-½"
   Circumference:  4" to 6-¼"
   with the largest cross-section dimension not exceeding 2-¼"

Stand-off:  Not less than 1-½"

B  Stairway width:
   Above handrail:  36" wide minimum
   Below handrail:  31-½" wide minimum
TYPICAL EXAMPLES OF PLANS REQUIRED TO OBTAIN A DECK PERMIT

- Concrete required to be commercially approved, tagged, material.
- All fasteners to be rated for exterior use.
- All wood to be commercially treated exterior grade.

General Notes:

- Surface of guard rail to be approx. 36'-42" above ground surface (34'-min).
- Guard rail height to be at least 32" min above finished floor surface.
- Main deck under structure to be 2'-10" (min) commercially treated with weights on 18" toes, extending to deck rail.
- Sidewalk connections and landings to be in accordance with local codes.

Details:

- Main structure:
  - 8'-6" x 16'-0"
  - 2'-10" (to curb)
  - 29'-4" (to curb)
  - 26'-6"
  - 16'-0"
  - Existing front (min. 5')

- Sidewalk:
  - 5'-0"
  - 18'-0"

- Grade line:
  - Because of buried concrete slab, this main wall is made from #4 to 36" below an post location.
  - 12" x 12" x 12" max. pier 12" below flange for grade.

- Typical post installation:
  - 3'-6" min. ground elevation.
  - 2'-3" max. deck height to top rail, 3'-10" above top rail of tread.
  - 2'-10" max. overall tread.

- 8'-10" max. rail.

- See typical post installation.