DISCLAIMER:
Alternate deck designs may be possible when provided with an engineered analysis. Use of this conventional standard design is at the user’s risk and carries no implied or inferred guarantee against failure or defects.
NOTE: End posts require single knee brace. All interior posts to have double braces.

NOTE: This deck connection detail is based on the assumption that a minimum 1-1/2" thick wood member is adequately installed at all edges of the 2nd floor diaphragm. If any other material is used, such as TJI joists, a special engineered design will be required. It is the owner's responsibility to verify the presence of the appropriate rim joist.

**KNEE BRACE DETAIL**

**LEDGER DETAIL**

**FOOTING DETAIL**
RAILING, POST, & BEAM DETAIL

OPTION #1

(2) ½” Dia. Machine bolts @ each post see detail

OPTION #2

(2) #8 x 3” DECK SCREWS @ EA. 4x4

(1) #8 x 3” DECK SCREW @ EA. 2x2

(2) #8 x 3” DECK SCREWS @ EA. 2x2

(2) ½” Dia. Machine bolts w/ nuts & washers @ each 4x4

24” MAX OVERHANG

POST CAP WITH MACHINE BOLTS PER MANUFACTURER’S SPECIFICATIONS

RAILING SECTION VIEWS

GUARDRAIL PERPENDICULAR TO JOISTS

2x6

Δ 42” MIN

DECKING OPTIONS: SEE NOTES BELOW

SIMPSON “A35” OR EQUAL AT EA. BLOCK

SIMPSON “H3” OR EQUAL AT 48” O.C.

SIMPSON “H3” OR EQUAL @ 48” O.C.

FLOOR JOISTS

BOUNDARY NAILING @ 6” O.C. (SEE NOTES BELOW FOR NAIL SIZES)

(2) ½” Dia. Machine bolts w/ nuts & washers @ each post

4x4 POSTS @ 36” O.C.

2x2 VERTICALS @ < 4” O.C.

DOUBLE END JOISTS OR USE 4X MEMBER

SIMPSON “H3” OR EQUAL @ TOP AND BOTTOM

2X BLOCKING @ 32” O.C. W/ BOUNDARY NAILING TO BLOCK @ 6” O.C.

FLOOR JOISTS

Note: Decking options are as follows:

1. 5/8” tongue and groove jointed plywood secured with 8d nails. All edge nailing at 6” o.c. Must be covered with an approved weather resistive material walking surface, and sloped for drainage.

2. 2x6” decking secured w/ (2) 16d nails @ ea. joist.

Western Riverside County Code Uniformity Program

City of Murrieta

Building Department

Balcony/Deck Standard
NOTES:
1. THE TOLERANCE BETWEEN THE LARGEST AND SMALLEST TREAD DEPTH OR BETWEEN THE LARGEST AND SMALLEST RISER HEIGHT SHALL NOT EXCEED 3/8" IN THE STAIRWAY.
2. STAIRWAY WIDTH 36" MIN – 48" MAX.
3. TREADS MUST HAVE APPROVED SLIP RESISTANT SURFACE.
4. ALTERNATE STAIRWAY DESIGNS MAY BE ACCEPTABLE PENDING BUILDING DEPARTMENT APPROVAL.
5. LIGHTING LEVEL AT ALL STAIR TREADS TO BE A MINIMUM OF 1 FOOT-CANDLE.

HANDRAIL DETAILS

NOTE: OTHER SHAPES MAY BE ACCEPTABLE IF THEY PROVIDE AN EQUIVALENT GRIPPING SURFACE.