NOTES:
1. Ledger Bolts shall be 3/8" dia. x 6" long with 1/4" dia. pre drilled holes. Bolts are to be placed staggered.
2. All metal hardware & screws to be galvanized or of otherwise approved corrosion resistance.
3. Maximum 5' joist span if 2nd floor is cantilevered at ledger.
4. Shear walls may not be modified unless structural calculations are submitted and approved by the Building Department.
5. Use of this Standard is limited to R-3 occupancies (Single Family Dwelling or Duplex)
6. Structures located in fire hazard severity zones require an alternate design.

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. Structures and appurtenances shall be maintained by the property owner.

**Western Riverside County Code Uniformity Program**

**City of Corona Building Division**

**BALCONY/DECK STANDARD**

(951) 736-2250

400 S. Vicentia Ave.
Corona, CA 92882

Fax (951) 279-3561

3/14/2019 Deck Std
Mar 2019 Page 1 OF 4
KNEE BRACE DETAIL A

END POSTS

INTERIOR POSTS

NOTE:
1. End posts require single knee brace. All interior posts to have double braces.

LEDGER DETAIL B

LEDGER: (2x member same depth as Deck joists or deeper)

JOIST HANGER (SIZED TO JOIST)

3" minimum into top plate

DECK ATTACHMENT FOR LATERAL LOADS REQUIRES HOLD DOWN WITH MIN 750 LB CAPACITY AT 4 LOCATIONS EVENLY DISTRIBUTED AND ONE WITHIN 24" OF EACH END OF DECK LEDGER. (SIMPSON DTT1Z OR EQUAL)

SECTION VIEW

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 permit owner's responsibility to verify the presence of the appropriate rim joist.

FOOTING DETAIL C

MACHINE BOLTS PER MANUFACTURER’S SPECIFICATIONS

COLUMN BASE - USE SIMPSON CBSQ, PBS OR EQUAL

1" STANDOFF FROM CONCRETE TO POST

24" SQUARE

MIN 4 x 4 POST

18" DEEP

3 - 1/2"
**RAILING, POST, & BEAM DETAIL**

**OPTION #1**

- (2) ½" Dia. Machine bolts @ each post

**OPTION #2**

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

_**Guardrail parallel to joists**_

- (2) #8 x 3" deck screws @ ea. 4x4
- (1) #8 x 3" deck screw @ ea. 2x2

_Post cap with machine bolts per manufacturer’s specifications_

_24” max overhang_

**RAILING SECTION VIEWS**

**Guardrail perpendicular to joists**

- (2) ½" Dia. Machine bolts @ each post

**Guardrail parallel to joists**

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

**Decking options:**

- 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 resistant material walking surface, and sloped for drainage.
- 2x6" decking secured w/ (2) 16d nails @ ea. joist.
OPTIONS EXTERIOR STAIRWAY

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.