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 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 Dwellings and Duplexes).

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.
**Knee Brace Detail (A)**

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

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**Ledger Detail (B)**

**Footing Detail (C)**

**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.

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**Western Riverside County Code Uniformity Program**

**City of Colton**

**Building & Safety**

**Balcony/Deck Standard**

**Phone:** 909-370-6079

**659 N La Cadena Drive**

**1/8/2008**

**DeckStdRev2008SecondCut25D**

**Page 2 of 4**
RAILING, POST, & BEAM DETAIL

OPTION #1

36" MAXIMUM

OPTION #2

36" MAXIMUM

(2) ½" Dia. Machine bolts @ each post

SEE DETAIL

POST CAP WITH MACHINE BOLTS PER MANUFACTURER’S SPECIFICATIONS

ALL OPENINGS IN GUARDRAIL TO BE SUCH THAT A 4" SPHERE CANNOT PASS THROUGH.

(2) ½" Dia. Machine bolts @ each post

SEE DETAIL

RAILING SECTION VIEWS

GUARDRAIL PERPENDICULAR TO JOISTS

42" MIN

2x6

DECKING OPTIONS: SEE NOTES BELOW

SIMPSON "A35" OR EQUAL AT EA. BLOCK

FLOOR JOISTS

SIMPSON "H3" OR EQUAL @ 48" O.C.

FLOOR JOISTS

42" MIN

DECKING OPTIONS:

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.

NOTE: DECKING OPTIONS ARE AS FOLLOWS

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

SIMPSON "A35" OR EQUAL AT EA. SIDE

GUARDRAIL PARALLEL TO JOISTS

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
Optional 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 to be adequately supported and returned to guardrail (see handrail details below).

Handrail/Guardrail to continue to grade.

Handrail/Guardrail to continue to deck.

Handrail/Guardrail to end of treads.

2X8 Solid Risers (Closed risers required when tread is more than 30" above grade).

Approved Angle Bracket w/ lag bolts per manufacturer specs.

1/2" air gap between concrete and wood.

Handrail/Guardrail to be 34" to 38" above treads.

Handrail/Guardrail to continue to deck.

Footings: 18" wide X 12" deep X stair width.

Handrail Details

Note: Other shapes may be acceptable if they provide an equivalent gripping surface.

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