### TABLE “A”
**DECK JOIST SPANS**
(DOUGLAS FIR #2 OR BETTER)

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SPACING</th>
<th>SPAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x6</td>
<td>12&quot; O.C.</td>
<td>10'-6&quot;</td>
</tr>
<tr>
<td></td>
<td>16&quot; O.C.</td>
<td>9'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>24&quot; O.C.</td>
<td>7'-6&quot;</td>
</tr>
<tr>
<td>2x8</td>
<td>12&quot; O.C.</td>
<td>14'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>16&quot; O.C.</td>
<td>12'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>24&quot; O.C.</td>
<td>9'-6&quot;</td>
</tr>
<tr>
<td>2x10</td>
<td>16&quot; O.C.</td>
<td>15'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>24&quot; O.C.</td>
<td>12'-0&quot;</td>
</tr>
<tr>
<td>2x12</td>
<td>24&quot; O.C.</td>
<td>14'-0&quot;</td>
</tr>
<tr>
<td>4x6</td>
<td>12&quot; O.C.</td>
<td>14'-6&quot;</td>
</tr>
<tr>
<td></td>
<td>16&quot; O.C.</td>
<td>13'-6&quot;</td>
</tr>
<tr>
<td></td>
<td>24&quot; O.C.</td>
<td>11'-6&quot;</td>
</tr>
<tr>
<td>4x8</td>
<td>24&quot; O.C.</td>
<td>15'-0&quot;</td>
</tr>
<tr>
<td>4x10</td>
<td>32&quot; O.C.</td>
<td>15'-0&quot;</td>
</tr>
</tbody>
</table>

### TABLE “B”
**HEADER SIZING & SPANS**
(DOUGLAS FIR #2 OR BETTER)

#### JOIST SPAN

8'-0"

**HEADER SPAN**

8'-0"

10'-0"

12'-0"

14'-0"

16'-0"

18'-0"

#### SPAN

8'-0"

10'-0"

12'-0"

14'-0"

16'-0"

18'-0"

### TABLE “C”
**LEDGER BOLT SPACING**
(3/8 DIA. X 6" LAG BOLTS – SEE NOTE 1)

<table>
<thead>
<tr>
<th>DECK JOIST SPAN</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'-0&quot; OR LESS</td>
<td>8&quot; O.C.</td>
</tr>
<tr>
<td>8'-1&quot; TO 10'-0&quot;</td>
<td>6&quot; O.C.</td>
</tr>
<tr>
<td>10'-1&quot; TO 12'-0&quot;</td>
<td>5-1/2&quot; O.C.</td>
</tr>
<tr>
<td>12'-1&quot; TO 14'-0&quot;</td>
<td>4-1/2&quot; O.C.</td>
</tr>
<tr>
<td>14'-1&quot; TO 15'-0&quot;</td>
<td>4&quot; O.C.</td>
</tr>
</tbody>
</table>

**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 R3 OCCUPANCIES (SINGLE FAMILY DWELLINGS AND DUPLI).

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.

LEDGER DETAIL B

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.

FOOTING DETAIL C

1" standoff from concrete to post

MIN 4 x 4 post

MACHINE BOLTS PER MANUFACTURER'S SPECIFICATIONS

COLUMN BASE - USE SIMPSON CBSQ, PBS or EQUAL
**Westem Riverside County Code Uniformity Program**

**City of Lake Elsinore**

**Building Department**

**Balcony/Deck Standard**

**Western Riverside County Code Uniformity Program**

**City of Lake Elsinore**

**Building Department**

**Balcony/Deck Standard**

**Option #1**

- #8 x 3" deck screws @ ea. 4x4

**Option #2**

- #8 x 3" deck screw @ ea. 2x2
- #8 x 3" deck screws @ ea. 2x2
- 1/2" Dia. Machine bolts w/ nuts & washers @ each 4x4

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**All openings in guardrail to be such that a 4" sphere cannot pass through.**

- (2) 1/2" Dia. Machine bolts @ each post

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**Post Cap with machine bolts per manufacturer’s specifications**

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**Option #3**

- 24" max overhang

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**Guardsrail Perpendicular to Joists**

**Guardsrail Parallel to 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.
NOTE: OTHER SHAPES MAY BE ACCEPTABLE IF THEY PROVIDE AN EQUIVALENT GRIPPING SURFACE.