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.

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: 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.
**RAILING, POST, & BEAM DETAIL**

- **OPTION #1**
  - Post cap with machine bolts per manufacturer’s specifications
  - (2) ½” Dia. Machine bolts @ each post

- **OPTION #2**
  - (2) #8 x 3” Deck screws @ ea. 4x4
  - (2) #8 x 3” Deck screw @ ea. 2x2
  - (2) ½” Dia. Machine bolts w/ nuts & washers @ each 4x4

**RAILING SECTION VIEWS**

- **GUARDRAIL PERPENDICULAR TO JOISTS**
  - Decking options: see notes below
  - Boundary nailing @ 6” o.c. (see notes below for nail sizes)

- **GUARDRAIL PARALLEL TO JOISTS**
  - (2) 2x6 w/ (2) #8 x 3” Deck screws to 4x4 posts
  - 2x2 Verticals @ < 4” o.c.

**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.
NOTES:
1. THE LARGEST TREAD RUN SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".
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.

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