

### A list of items that must be shown on a plan for a deck

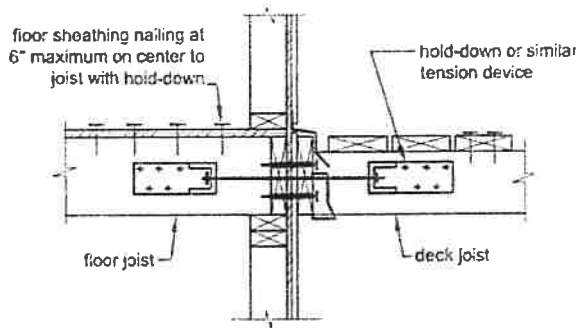
- A minimum 18" piece of ice and water behind the ledger board
- Flash the ledger board with the proper material ( different from above)
- Show the lag bolt pattern of the ledger board. A bolt shall be at each bay. One in the top third and one in the bottom third of the ledger board ( every other bay)
- Sono-tubes 42" below finish grade

### Mechanical fasteners for the following

- From the concrete to the wood post
- From the wood post to the carrying beam
- The joists to the carrying beam
- The joists to the ledger board (joist hangers with the proper nails)
- The Code required lateral support hardware ( 2 per deck)

#### 2007 SUPPLEMENT TO THE IRC

*Figure R502.2.3 Add new figure as shown: (RB159-06/07)*



For SI: 1 inch = 25.4 mm.

**FIGURE R502.2.3  
DECK ATTACHMENT FOR LATERAL LOADS**

### Guard rail requirements

- Guardrails are required if the deck is more than 30" high from the ground. They need to be 36" high
- No space less than 4 inches in the guard design
- **NOTE: NO 4x4's CAN BE NOTCHED ANYWHERE**

### Stair requirements

- The rise (height from each step) shall be equal from top to bottom
- Riser boards or kick boards shall be installed
- Each set of stairs requires a concrete landing at grade level
- There shall be graspable handrail on each stairway. Similar to an 1/4" pipe