



Planning Department  
Building and Safety Division

## Plan Set A Detailed Inspection Guidelines

### Installation Guidelines:

1. Mudsill blocking: 4 –10d common (.148") nails only –do not split wood.
2. 3"x3"x1/4" plate washers for all new 1/2" and 5/8" anchor bolts. (2"x2"x3/16" plate washers may be allowed where installation of 3"x3"x1/4" plate washers are determined to be impracticable by the Building Inspector)
3. Anchor bolt nut and washer **over** blocking.
4. Contact with pressure treated wood: use hot-dipped nails and G185 sheet ('Z-Max') connectors minimum.
5. If no continuous rim joist, end joist or solid blocking above perimeter cripple walls or mudsill: New blocking and or supplemental connectors shall be provided (to connect top of shear wall or mudsill to construction above).
6. Panel cutouts for piping, conduit, wiring, vents, etc. must be blocked and edge-nailed and 1-1/4" to 1-1/2" radius cut provided at inside corners of panel cutouts. (Exception: holes up to 3" diameter)
7. At cutouts increase plywood panel length a distance equal to length of cutout(s) or one stud space minimum.
8. Joints at abutting shear panels: Install new cripple stud nailed to existing with 16d common nails (3-1/2" x .162") @ 8" o.c. (3 nails minimum) to allow proper edge-nailing for abutting panels.
9. Aspect ratio: Panel length minimum 48" and **twice the height**.
10. Panel type: **5-ply plywood** 15/32" (1/2") CDX only.
11. Panel nailing: 8d common (.131") nails at **minimum** 3-1/2" o.c. and **maximum** 4" o.c. for edges and 12" o.c. at intermediate supports. Do not overdrive nails –maximum 1/32" from panel face to top of nail head or 1 ply broken by bottom of nail head.
12. If splices in top plates do not have a minimum 48" lap, provide 16 GA. X 4' metal strap placed **over the plywood** with 28 –8d common nails.
13. Notches in top plates maximum 2" long x 3/4" deep must have 16 GA. nail stop –larger notches are considered splices –see #12.
14. L70's and L90's: use 10d common (.148") x 1-1/2" nails.