



Nevada County Building Department

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"Partnering to Improve Consistency & Customer Service"

SHEAR/ROOF SHEATHING INSPECTION CHECKLIST

The following items are to be reviewed for completion by the contractor/owner prior to scheduling an inspection. Please keep in mind this document is intended as a guide and is not an all-inclusive list and additional items may be required. Partial and phased inspections identified during the inspection process may require additional inspection fees per Building Department Fee Schedule.

SHEAR / ROOF SHEATHING (Inspection Codes 603/601)

OK N/A

- Address and jobsite yellow arrow sign to be posted and visible from road. (CRC §R319)
- Toilet facilities are on-site. (CPC §412.6)
- Animals are restrained.
- Construction site is safe for inspection and safe to transverse. Boards with nails and excessive debris removed with the site cleaned in a workmanlike manner. Ladders and scaffold properly secured per OSHA standards to access high walls and roof areas.
- Best Management Practices (BMP) are in place for storm water control (if applicable).
- Approved plans and permit card are on the job-site. (CRC §R106.3.1 & R105.7) It is helpful to place the plans on a table or plywood on a level area.
- Any changes to the plans have been approved by the projects design professional and the Building Department including but not limited to structural changes, exterior opening changes, shear-wall lengths, truss calculation changes, beam changes etc.
- Engineer's structural observation report is on-site, if applicable. Refer to plans. (CBC §1710)
- All Special Inspection field reports, such as shop and field welding, installation of epoxy and expansion anchors, etc. shall be onsite at time of inspection. (CBC §1704)
- Glu-lam beam certificate is onsite. (CBC § 2303.1.3)
- Sheathing materials shall be per plan. Example: if plans call for plywood, OSB may not be used, except when approved by the registered design professional.
- All framing material and grades are per the approved plans.
- Nails and washers in contact with pressure-treated wood are galvanized. (CRC §R317.3) Fastener sizes and shank diameters are per shear wall schedule; common nails have true common dimensions. It is recommended to leave one nail sticking out for inspection for inspector to verify.
- Shear walls (exterior and interior) have been completed on one side and nailed per the approved plans.
- It is recommended that the nailing schedule to be painted on each shear wall including hold-down locations and minimum wall lengths.

OK N/A

- Roof sheathing has been completed and nailed per the approved plans. Recommend truss and/or rafter drag lines be painted to show proper fastener spacing.
- Complete all shear walls and shear transfers per plan details.
- Electrical panels and other perforations installed in a shear wall shall be detailed on the plans and/or the registered design professional shall provide a detail at time of inspection that has been approved by the Building Department.
- Verify that all anchor bolts and hold-downs are tight, sized, and spaced per shear wall plan.
- Minimum 2 anchor bolts/straps per piece of sill plate. (CRC §R403.1.6)
- Minimum 0.229 x3"x3" square washers are installed with anchor bolts. (CRC §R403.1.6 – Seismic Design Category ‘D’) A standard cut washer is also required at slotted 3” washer locations.
- Anchor bolt minimum 7 bolt diameters distance from end of sill, Max 12" from end of sill. (CRC §R403.1.6)
- Sill plate and framing sizes at shear walls are per the shear wall schedule. (CRC §R602.11.1)
- 20d nails are used for stud end nailing at all 3x sill plates.
- Double stud hold-down posts are stitch nailed per approved plan/engineering.
- All hardware (straps, clips, etc.) are installed per the approved plans. All required fastener holes are filled.
- Sheathing to be nailed between 3/8" and 3/4" from joint edges. Sheathing to be gapped 1/8”.
- Sheathing edges, for walls, occur over framing (posts, studs, blocking, etc) per plan.
- Floor sheathing material and fasteners completed complying with approved plans.
- Nail heads or staple crowns do not break the sheathing skin.
- All fastener "shiners" have been removed and re-fastened.
- Both edges of lapped panel siding (T1-11) are nailed. Two studs or post required if the resulting nailing is greater than 4”o.c.
- Window/door flashing and/or trim has not been installed. All nailing is to be visible for inspection.
- Top and bottom plate nailing has been completed per the approved plan.
- Hold-down post locations are clearly identified.
- Concrete spalling at hold-downs are addressed by the engineer and written approval (wet stamped/signed) is provided onsite.
- Trusses are installed, strapped, braced and connected per the approved plan.
- Post bearing under girder trusses provided. Posts shall have a continuous load path to the footing.
- Roof framing is completed per approved plans for material type/size, attachments, hardware, etc.
- Post and beam/header positive connections are installed with hardware completed.
- Hold-down posts extend from top plate to bottom plate without a joint at header, blocking and/beam locations.