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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 green 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.

OK N/A

- 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.
- 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 sized and spaced per shear wall schedule.
- 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 4" 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.

OK **N / A**

- 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.