Handout R.08

Residential Roof Nailing Checklist

Inspection for roof nailing of one and two family residential roofs is not a requirement. However, if one is desired, the Builder may call for a roof nailing inspection through the Inspection Request process by calling 343-8300 or faxing a request to 249-7777. It is important to understand that while a roof nailing inspection is not required, should discrepancies be found, corrective measures will have to be taken before approval is given. Corrective action may necessitate full or partial removal of a portion of the roof. The following checklist has been developed to aid the builder in avoiding this predicament. The list below identifies items that are commonly found during inspection, which if not correctly addressed, may require corrections by the Builder before completing the roof and final framing approval given. While every attempt has been made to provide a complete list, this list may not contain all items of concern. It remains the responsibility of the Builder to properly complete the structure.

1. ___ Verify that all nailing meets or exceeds that shown on the construction drawings

2. ___ If full height blocking is required for every truss:
   a. ___ Vent holes must be drilled in top 1-1/2 to 2 inches of block. Avoid placing holes lower than this since they will not provide adequate ventilation. Care must be taken installing cardboard isolation baffles at blocking. If they are installed incorrectly, vent holes will be blocked stopping any air movement.
   b. ___ Roof sheathing must be tight against the blocking and so fastened to assure tight fit.
   c. ___ Pitch of roof over 4/12 requires 2 X 12 blocking cut to bevel of roof, to assure proper seating of the roof sheathing when diaphragm is required to be blocked.
   d. ___ Staple or nailing from roof sheathing into full height blocking must be correctly completed without missing blocking.
   e. ___ Staples or nailing must be spaced per the plans.

3. ___ Special Engineering Requirements must be met. Most noted missed items to check are:
   a. ___ All roof straps are properly fastened into blocking and are properly ran across roof.
   b. ___ Tension ties that strap and nail over the top of trusses and down the other side of the truss are properly installed.
   c. ___ Solid full height blocking is provided at glu-lam beams where perpendicular trusses sit on the beam and blocking receives nailing from the sheathing.
   d. ___ Field or perimeter nailing or stapling tighter than 6"/12" have been met; refer to plans.
   e. ___ When switching to use alternate (2) of Handout RD.13, staple or nailing patterns must be spaced at half diaphragm boundary/edge spacing in remaining full height block.
   f. ___ Verify that splitting of blocking has not occurred. If blocking split, replace.
   g. ___ Special requirements for roof diaphragm blocking at panel edges on roofs where are required.
   h. ___ Check all non-standard items for completeness. This list does not necessarily identify all potential items of concern.

4. ___ All requirements of the construction plans have been met.

Robert Doehl
Robert Doehl, Building Official
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