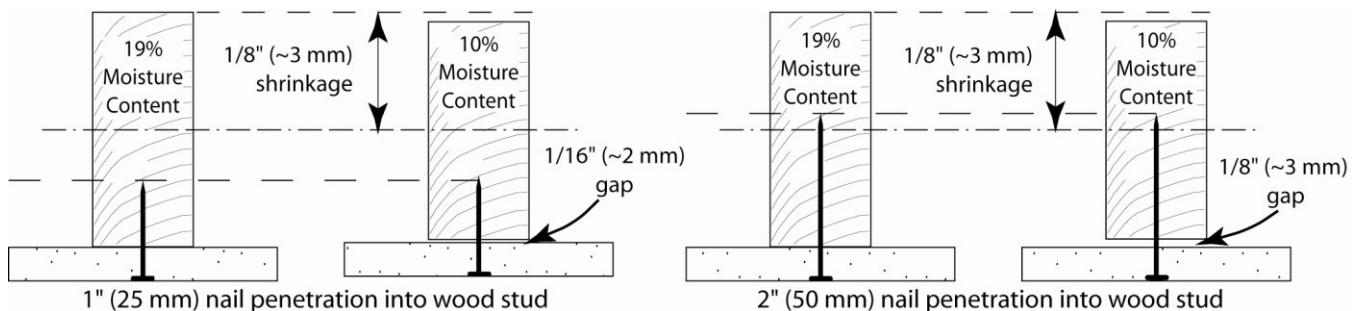


## GA-222-2019 REPAIRING SCREW OR NAIL POPS

The protrusion of screw or nail heads above the gypsum panel surface can be caused by one or more of the following:

- Lumber shrinkage occurring after gypsum panel product application.
- Loose attachment of the gypsum panel product to the framing.
- Improperly aligned, twisted, bent, warped, or bowed framing.
- Incorrect fastener length.
- Improper fastening.
- Drywall construction adhesive shrinkage.

Fastener pops are largely caused by lumber shrinkage due to initial high moisture content in the lumber. Overly long fastener length contributes to the problem. Use fasteners that provide the minimum recommended depth of penetration into framing members. For fire-resistance rated systems, use fastener lengths specified in the listing.



Fastener pops can also occur with adhesive application of gypsum panels to wood framing when the construction adhesive exhibits unusually high shrinkage. This relatively new phenomenon is caused by the failure of water-based low-VOC drywall construction adhesives to cure and reach a dimensionally stable condition prior to finishing. To prevent this, it is important to confirm that the water-based adhesive is fully cured and stabilized before finishing the gypsum panel products or to use solvent-based drywall adhesives. This condition is sometimes called “screw bumps,” due to the unique cause, but the appearance and the repair procedures are the same.

Fastener pops that appear either before or during decoration should be repaired immediately. Those that appear one or more months into the heating season are usually a result of lumber shrinkage and should not be repaired until the end of the heating season.

Fastener pops are repaired by reattaching the gypsum panel product to the framing by driving a new screw or nail of the proper length into the same framing member about 1-1/2 in. (40 mm) from the protruding fastener. Apply sufficient pressure to the gypsum panel to bring the back surface into firm contact with the framing member to which it is being reattached. Remove the fastener or reseal the protruding fastener so that it is just below the face of the gypsum panel. Remove any loose material before treating with joint compound and redecorating.

NOTES:

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