

**Round Holes:**

Always fill all (normal-size) round nail holes, unless otherwise noted.

**Diamond Holes:**

For maximum listed capacity.

When there are **MIN** and **MAX** values:

MIN: fill all round nail holes

MAX: fill all round and diamond holes

**Large Round Holes:**

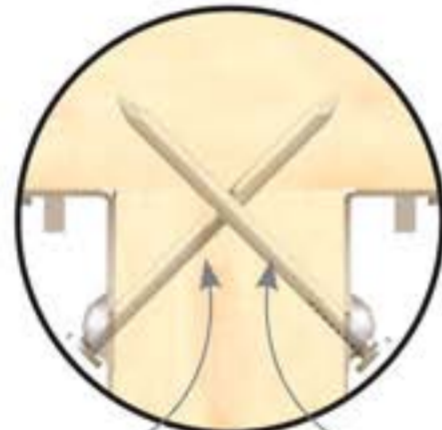
For concrete/masonry installation; no need to be filled when connected to wood.

**Obround Holes:**

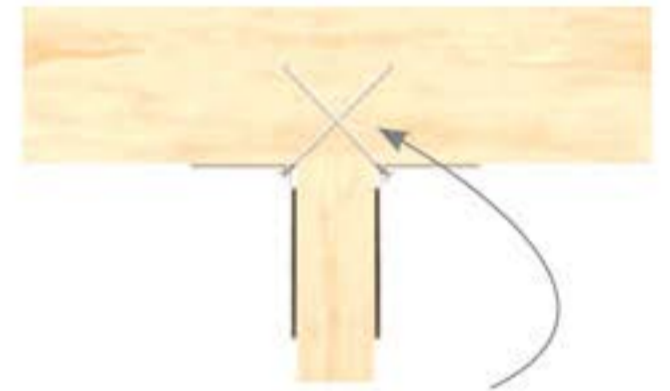
For ease of nailing at a tight location; always fill.

**Dimple Holes:**

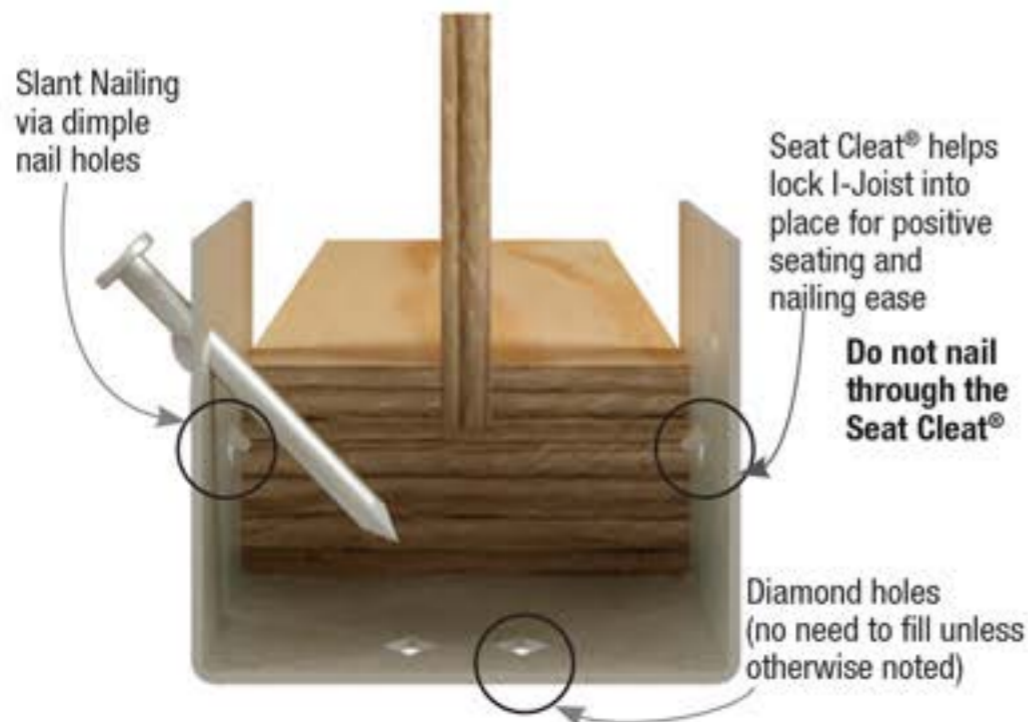
Guide double shear nails into the joist and header at a 30° to 45° angle



Use specified standard length common nails. 16d common and 10d common nails are 3-1/2" and 3" long respectively.

**Bend-line Holes**

Drive bend line nails into header at 45° to achieve published strength

Typical I-Joist Nailing**Common Nailing Errors****Wrong Angle**

When a nail is driven into the bottom flange of the wood I-Joist parallel to the glue lines, separation of veneers can occur which substantially reduces the design loads of the connection.

**Nail Too Long**

When using nails longer than USP's recommended nails, bottom flange splitting may occur. Also, this can raise the wood I-Joist off the seat, resulting in uneven surfaces and squeaky floors along with reduced design load.