

Driven Piling – Steel H-Pile Lugs

Pile lugs are welded onto steel H-piles prior to driving. The lug increases the friction resistance of the pile so that the bearing is achieved with a shorter pile. Welding of steel pilings, including attachment of lugs, must conform to Section 11, *Welding*, of the [Contract Specifications](#). The details for pile lugs are shown in Figure 1, *Pile Lug Details*.

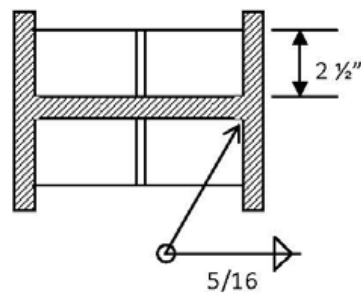
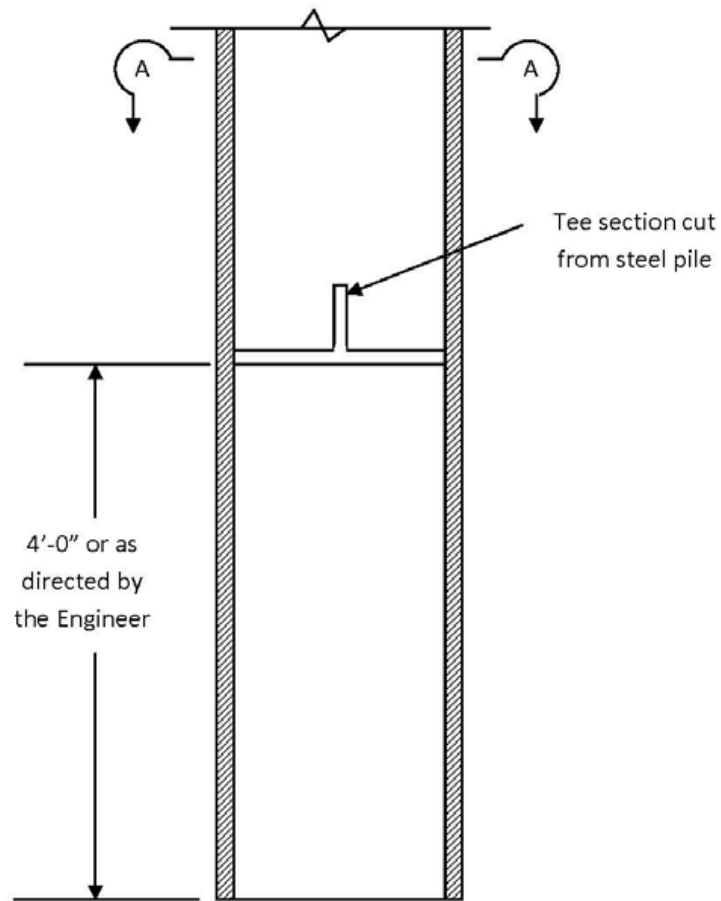
When recommended by Geotechnical Services, the pile lug detail will be shown on the plans. Review the *Special Provisions* for measurement and payment. Lugs that are shown on the plans are paid as furnishing piling per the *Contract Specifications*.

When lugs are not shown on the plans, and when the piles are driving longer than anticipated, immediately contact Geotechnical Services. An alternative to the use of lugs is to let the piles set up and to re-drive (and check bearing) a day or two later.

The contractor may request lugs, or the engineer may order lugs. Savings from reducing the length of the pile must be compared with the cost for furnishing, welding, and performing welding quality control on the lugs. Lugs might not be economical when there is no other welding on the job.

Lugs installed at the direction of the engineer are paid for as change order work.

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SECTION A-A

PILE LUG

Figure 1. Pile Lug Details