PILE TO PILE CAP CONNECTIONS

PILE EMBEDDED IN PRECAST PILE CAP

- Pour slot
- Spiral Reinforcement
- C.I.P. Concrete
- Roughen surfaces to a \( \frac{1}{4} \)" minimum amplitude
- Shims

PILE EMBEDDED IN CAST-IN-PLACE PILE CAP

- Mild steel reinforcement grouted into drilled or formed holes, (4) bars minimum

PILE CUTOFF WITH STRANDS EXTENDED 2'-0" MINIMUM

- Same spiral reinforcement as req'd at the pile head

PILE CUTOFF WITH LESS THAN 2'-0" EXTENDED STRAND

- Length of formed or drilled hole to allow for potential cut-off and development length of rebar
PILE TO PILE CAP CONNECTIONS

Mild steel reinforcement grouted into drilled or formed holes (minimum (4) bars and 1\% area of pile cross section)

Same spiral reinforcement as req’d at the pile head

C.I.P. Concrete

Roughened surface

Note: In hollow piles, rebar/spiral cage may be dropped into the circular void and concreted in a specified distance to facilitate pile buildups and connections.

BUILD-UP ON PILE DRIVEN BELOW CUTOFF

LIFTING LOOPS

270 ksi Strand

Patch recess with recommended material after cutting lifting loop

SOLID PILES

LARGE DIAMETER HOLLOW PILES

HOLLOW PILES

Lifting loops or other lifting devices are necessary for removing piles from the forms. These may also be used in the field, or they may be cut off and patched at CTC’s plant prior to shipping. It is generally not necessary to cut and patch lift loops when their final position is more than 10 feet below grade or mud line. Lift loop patches should be allowed to cure at least 24 hours prior to driving. Field patching of lift loops should follow CTC’s recommended procedure.
PILE SPLICES

Many different types of splices are available for joining piles in the field so that driving may continue. Some are proprietary, but many are not. Each type has advantages and disadvantages with regard to constructability and structural performance. The following references contain detailed information on specific pile splices:


Contact Concrete Technology Corporation (206) 383-3545 for further information on pile splices.