NOTE:
Work this Index with Index No. 20001 - Notes and Details for Square Prestressed Concrete Piles and Index No. 2001 - Square Prestressed Concrete Pipe Splices.

SECTION B-B
(See Pile Splice Reinforcement Details)

ALTERNATE STRAND PATTERNS
20 = 1/4" 8, Grade 270 (Spec) 69S, at 39.7 kips
20 = 1/4" 8, Grade 270 LHS, at 39.0 kips
24 = 1/4" 8, Grade 270 LHS, at 34.0 kips
24 = 3/8" 6, Grade 270 SR, at 35 kips
24 = 3/8" 6, Grade 270 (Spec) SR, at 35.2 kips
28 = 3/8" 6, Grade 270 LHS, at 29.0 kips
28 = 3/8" 6, Grade 270 (Spec) SR, at 30.2 kips

ELEVATION

SECTION C-C
(See Pile Splice Reinforcement Details)

NOTE:
1. Venting shall be provided by the use of a 1-5/8" PVC conduit through a substructure cap or column. Voids between segments of spliced piles shall be connected by 2-1/2" holes.
2. Any of the given Alternate Strand Patterns may be utilized. Their strands shall be located as follows:
   Place one strand at each corner and place the remaining strands equally spaced between the corner strands. The total strand pattern shall be consistent with the normal concrete section of the pile.
3. CONTRACTOR: The 30'-0" pile may be cost 30,000 by omitting the 30'-0" pile and the 2'-0" vent hole. In this event, the Contractor shall submit calculations for approval and a proposed strand configuration that provides net prestressing after losses equal to 1000 psi. Alternate configurations for the Diagonal Ties to maintain the position of the 4 ~ No. 8 Bars may be approved by the Engineer.

PIECE SPICE DETAILS

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