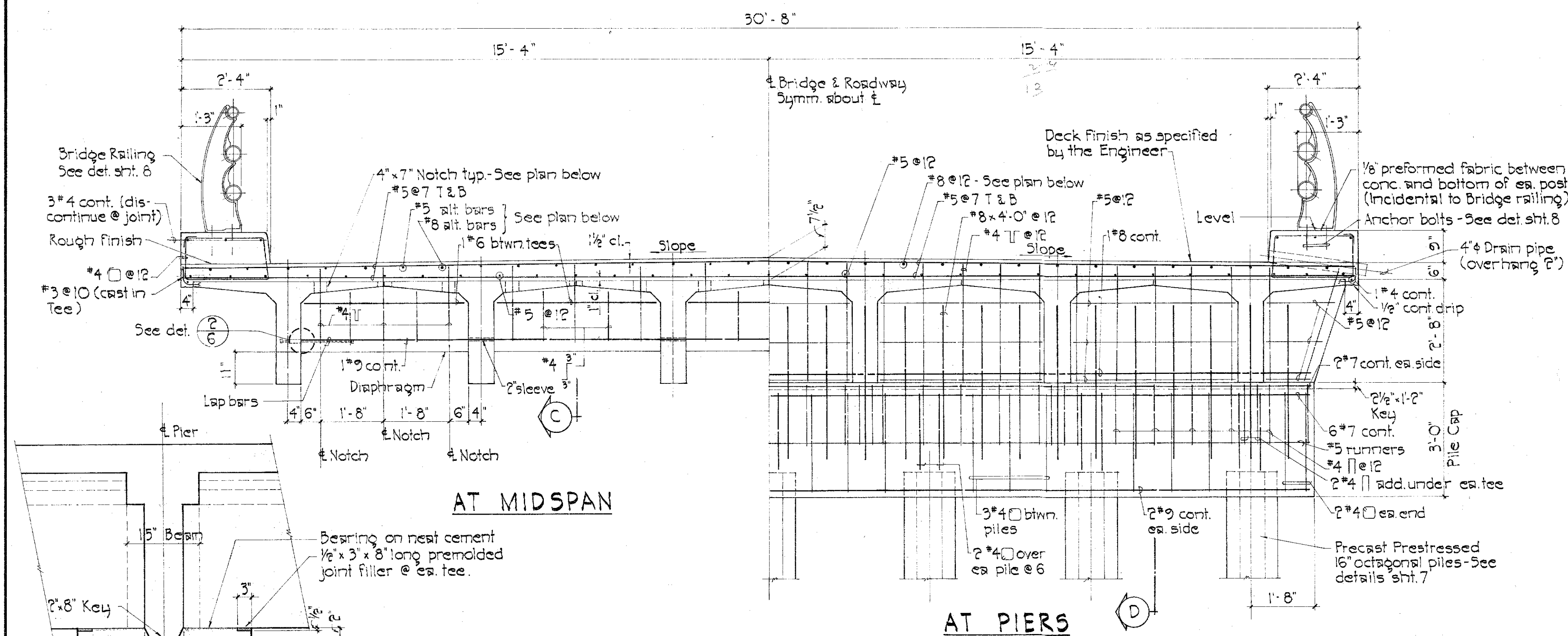
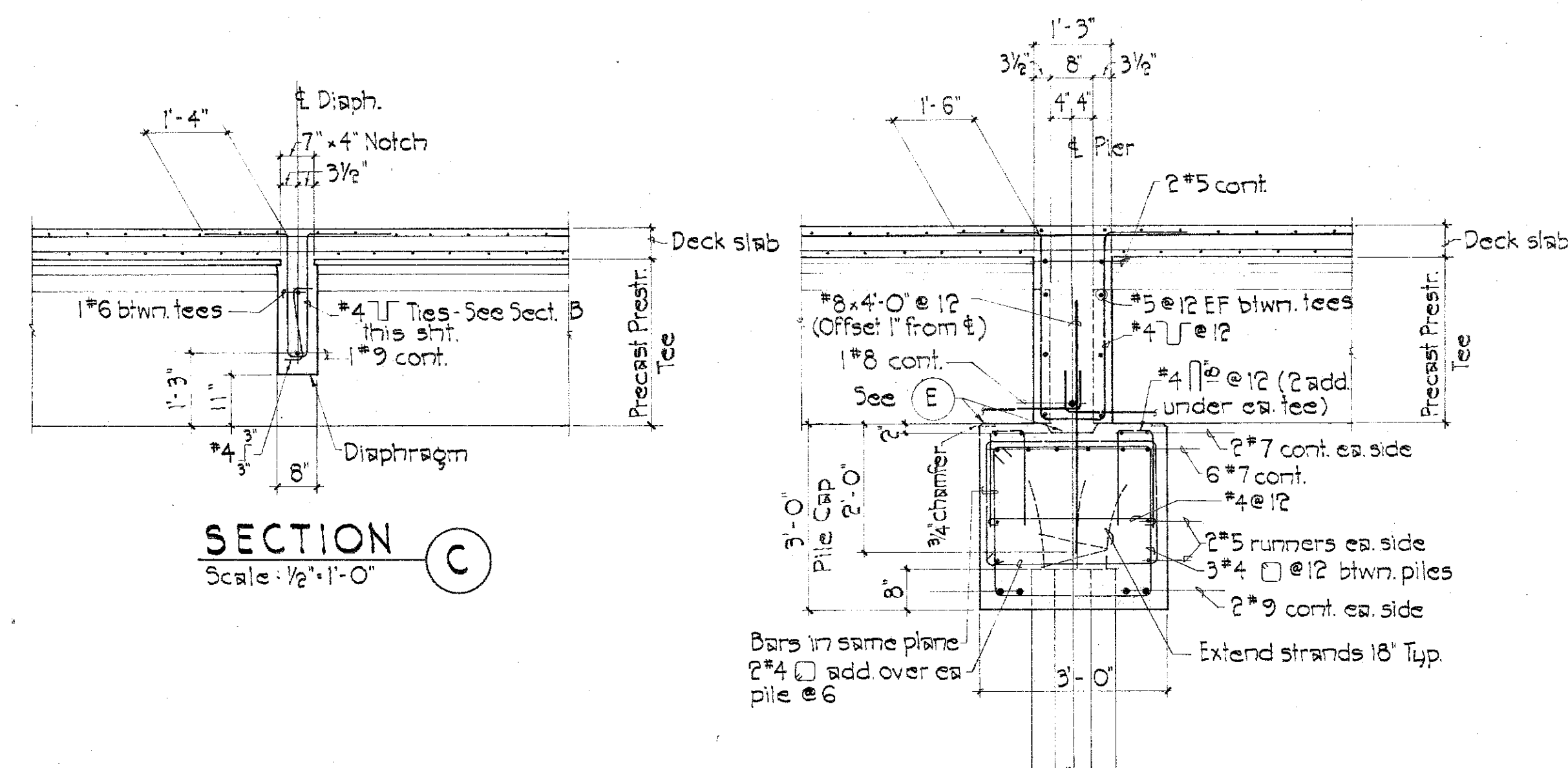




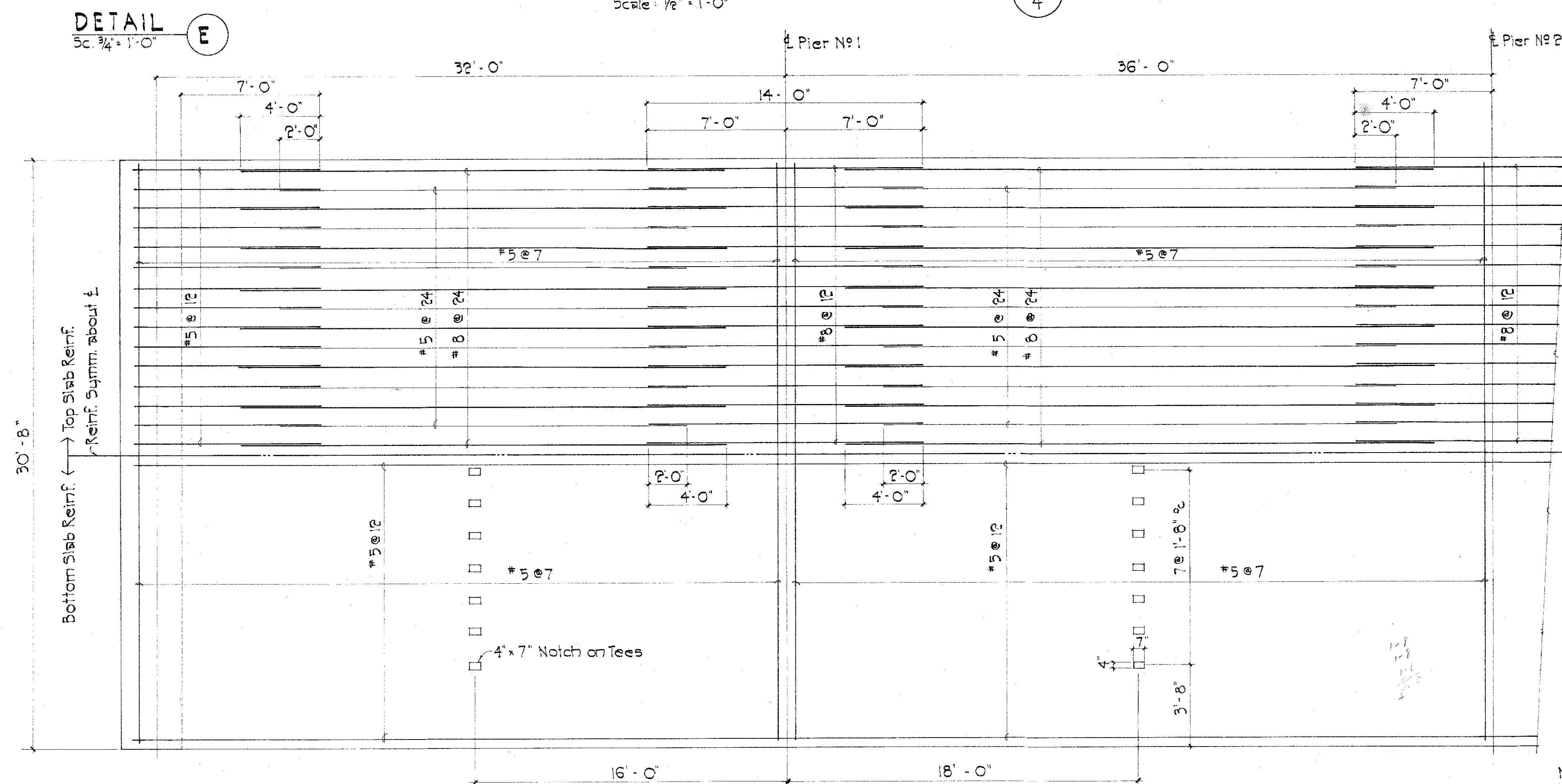
TYPICAL BRIDGE SECTION B
Scale: 1/2" = 1'-0"



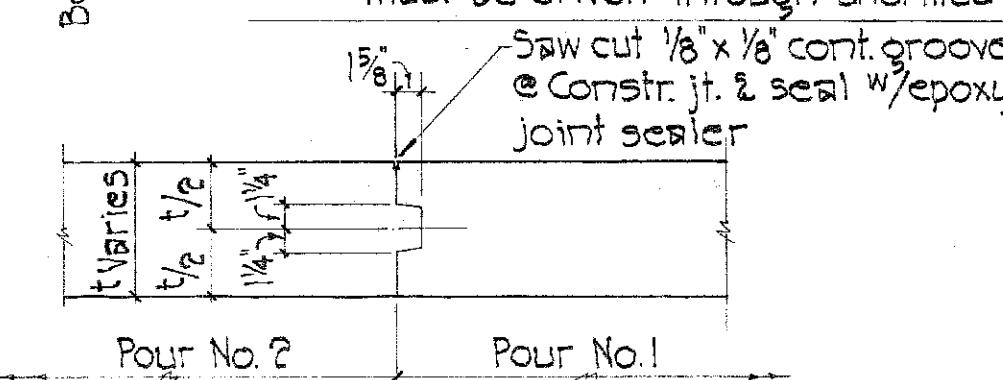
SECTION D
Scale: 1/2" = 1'-0"

GENERAL NOTES

- I. See Specifications and Special Notes on other sheets.
 - II. Reinforced Concrete
 - A. Minimum conc. strengths
 1. Abutment, Pilecap, deck and others - Class A-1
 2. Prestressed Tees (Type I cement) and Prestressed piles (Type II cement)
 - a. At 28 days 6,000 p.s.i.
 - b. At stress transfer 4,000 p.s.i.
 - B. Admixtures - Air entrainment additive for poured-in-place concrete. Calcium chloride shall not be used for poured-in-place and prestressed concrete or against strands under any circumstance.
 - C. Concrete protection for reinforcement (clear cover)
 1. Abutment and wingwall
 - a. Pile cap 3"
 - b. Wall 2"
 2. Deck
 - a. Top 1 1/2"
 - b. Bottom 1"
 3. Prestressed Tees
 - a. Strands 2 1/4"
 - b. Stirrups and ties 1 3/4"
 4. All others
 - a. Unless noted otherwise 2"
 - D. Reinforcement splicing
 1. Minimum splice length unless otherwise shown shall be 32 bar diameters.
 2. Unless otherwise shown, splices will be permitted only at locations indicated below.
 - a. Suspended Slabs
 - 1.) Top bars at midspan
 - 2.) Bottom bars at support
- III. Piles
 - A. Piles shall be 16" octagonal prestressed piles driven to a minimum safe load capacity of 32 tons.
 - B. Piles shall be driven or placed by partial pre-drilling and driving to depths shown on plans, or lower if necessary to develop the required capacity. (See Specs) If drill is used, the diameter of the drilled hole shall not be greater than 14 inches and the last 5 ft of must be driven through undrilled soil.
- IV. Construction Notes
 - A. All backfill behind abutments shall start only after deck slab has been cured for 7 days. Backfill against Abutments No. 1 and No. 2 shall be done simultaneously.
 - B. Rails and curbs shall not be placed until the deck has gained sufficient strength as determined by the Engineer.
 - C. The Contractor shall verify all dimensions and shall notify the Engineer of any discrepancies in sufficient time.
 - D. The Contractor shall be fully responsible for adequacy of all false work, his erection methods and safety measures and shall not be relieved of this responsibility under any circumstance.
- V. Design Data
 - A. Loading H5-20
 - B. Concrete Strength at 28 days
 1. Prestressed conc. 6,000 p.s.i.
 2. All others 3,000 p.s.i.
 - C. Steel
 1. Reinforcing bars $f_y = 40$ k.s.i.
 2. Prestressing strands $f_s = 250$ k.s.i.

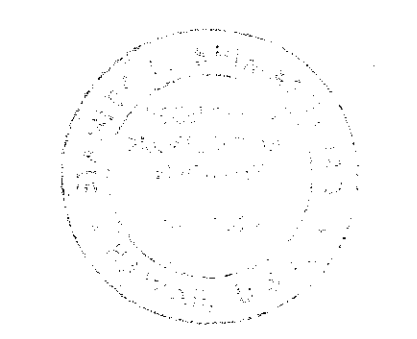


PARTIAL BRIDGE DECK REINFORCING PLAN
Scale: 1/4" = 1'-0"



- NOTE:**
1. Reinf. steel shall be continuous across the joint.
 2. Concrete pouring sequence and joints may be used at the option of the Contractor. Deck may be constructed in one pour should the batching plant be adequate.
 3. Pour No. 2 shall be poured no sooner than 3 days after Pour No. 1.

DETAIL 1
NTS



STANLEY S. SHIMABUKURO & ASSOCIATES, INC. CIVIL & STRUCTURAL ENGINEERS	
COUNTY OF MAUI DEPARTMENT OF PUBLIC WORKS WAILUKU, MAUI, HAWAII	
WAILUA (KAHAWAIIKI) BRIDGE WAILUA, MOLOKAI, HAWAII	
GENERAL NOTES, TYP. BRIDGE SECTION & REINF. PLAN	
DESIGNED BY: H.I.Y.	CHECKED BY: S.S.S.
DRAWN BY: L.M.O.	DATE: July 8, 1969