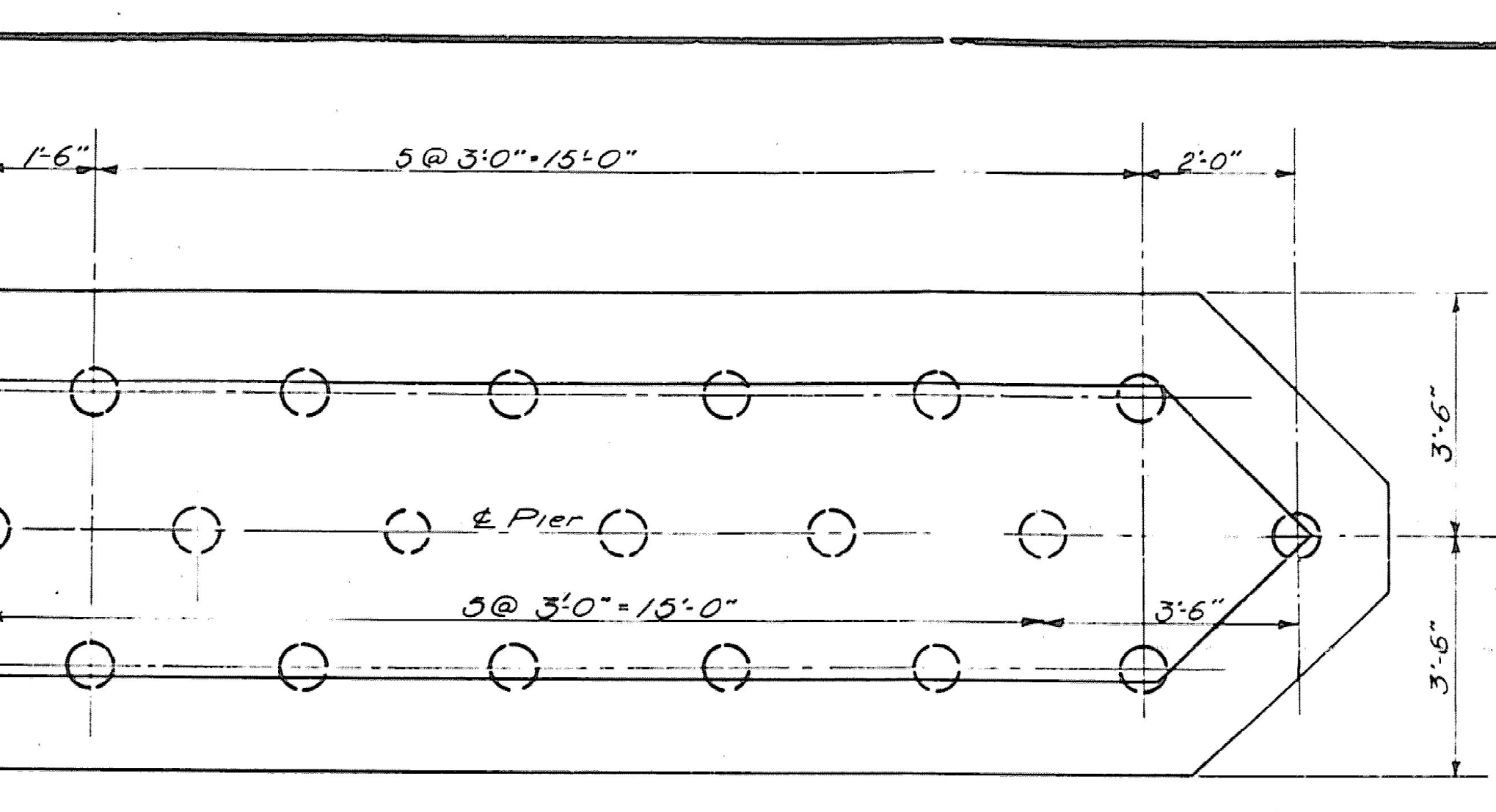


HALF PLAN
Scale: 1/2" = 1'-0"



HALF PILING PLAN
Scale: 1/2" = 1'-0"

These surfaces to receive one shop coat of red lead and oil; one shop coat of red lead and oil; one field coat of graphite paint.

4" x 4" x 3/8" L 15'-2 1/2" long 1 Required

Nose angle to be included in alternate centers. Straps to be welded or riveted to angle. If riveted all exposed rivet heads to be countersunk and chipped.

2" x 1/2" straps at 2'-0" alternate centers. Straps to be welded or riveted to angle. If riveted all exposed rivet heads to be countersunk and chipped.

NOSE ANGLE - ONE REQUIRED
Nose angle to extend from footing to coping on upstream end of pier adjacent.

GENERAL NOTES:

All work and materials shall conform to the Standard Road and Bridge Specifications of the Vermont Department of Highway, 1926.

Any suitable structure excavation used by the Contractor for any purpose other than for backfill or approach fill shall be replaced by the Contractor at his own expense unless same is ordered wasted by the Engineer.

All concrete in pier and abutments to be Class B (1-2 1/2-5) mix.

All steel to be deformed bars. Reinforcing steel shall conform to the Standard Specifications for Billet Steel Concrete Reinforcement bars, Intermediate or Structural Grade, of the American Society for Testing Materials, Serial Designation A-15-14.

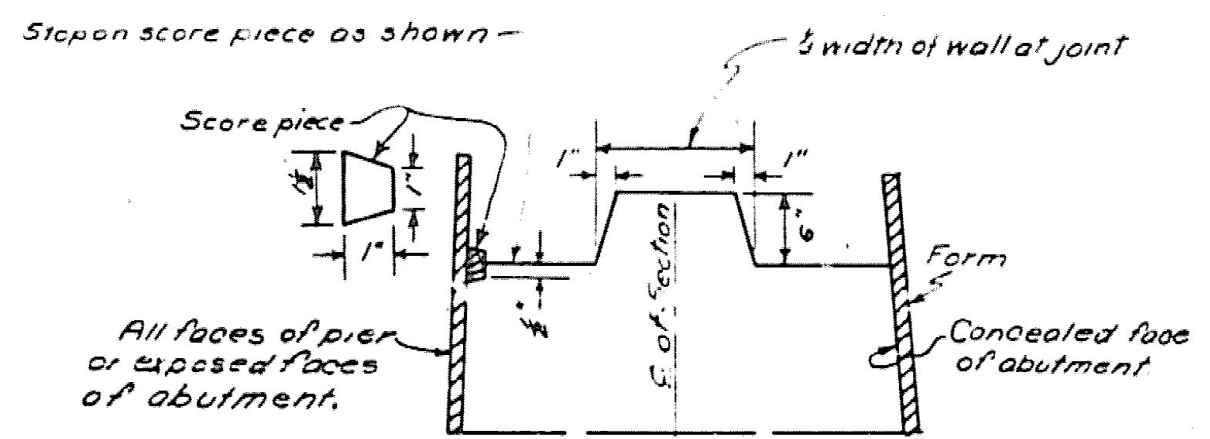
All exposed edges shall be chamfered 1".

For dowels to beams at fixed ends of bridge spans, see superstructure detail.

All piles are computed for a safe load of 15 tons each.

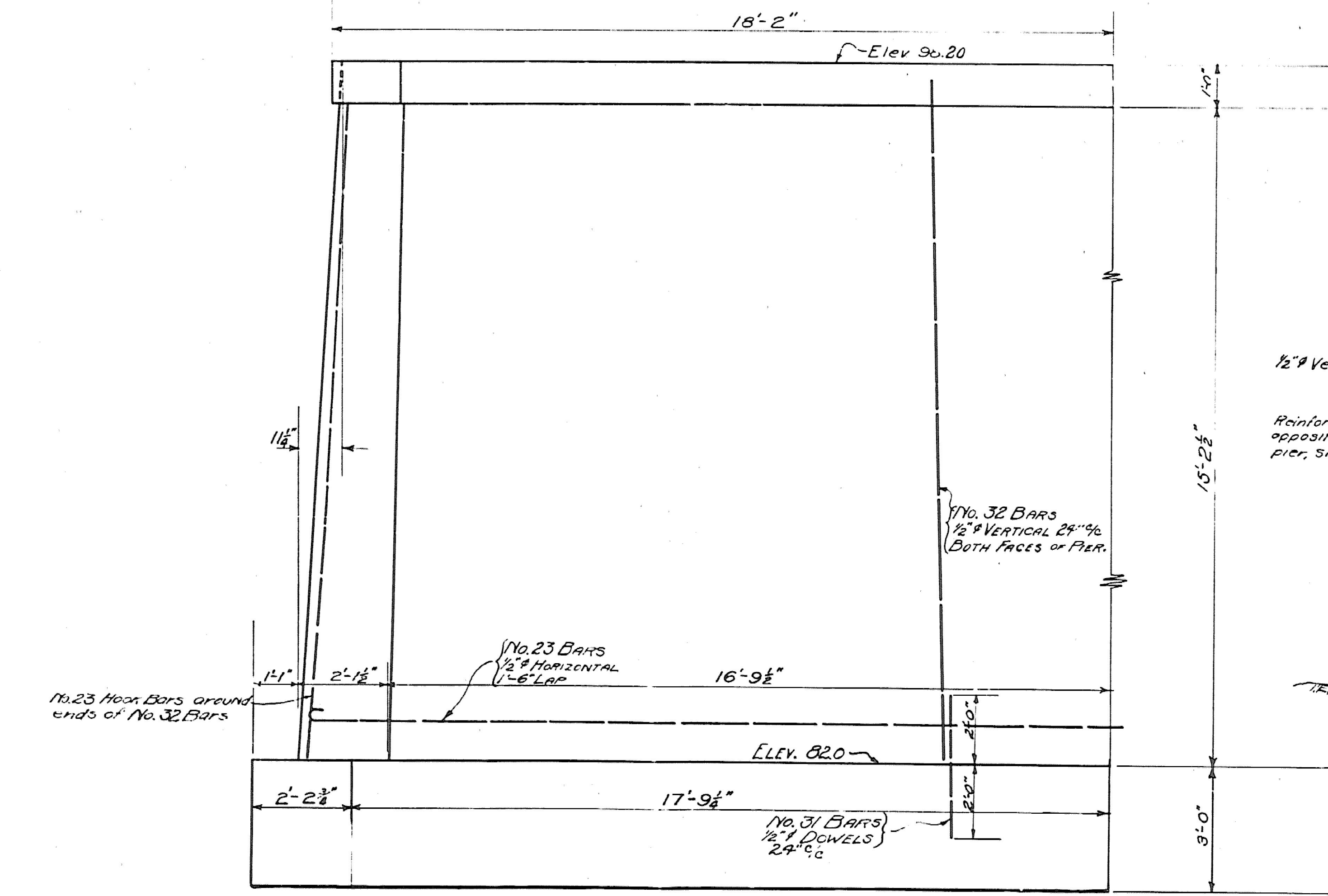
For purposes of estimate all piles have been considered as being 20' piling.

The length, angle and height of wings may be determined or changed by the Engineer.

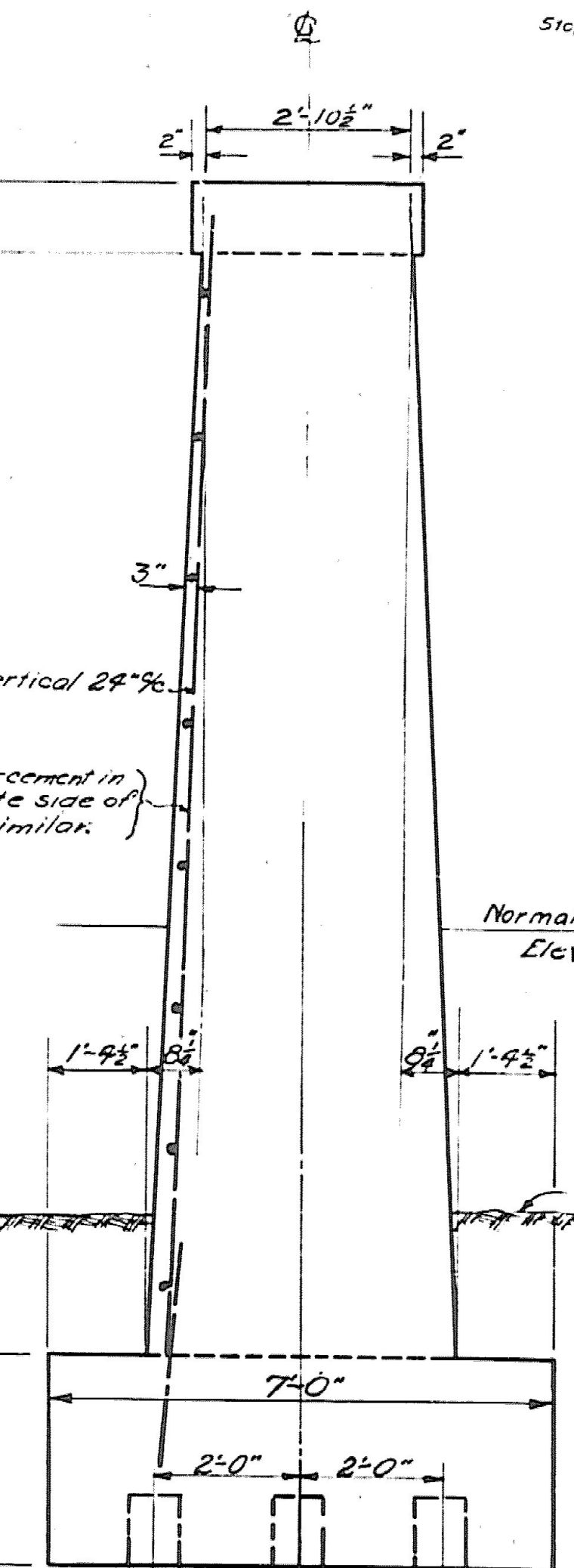


TYPICAL CONSTRUCTION JOINT FOR WALLS

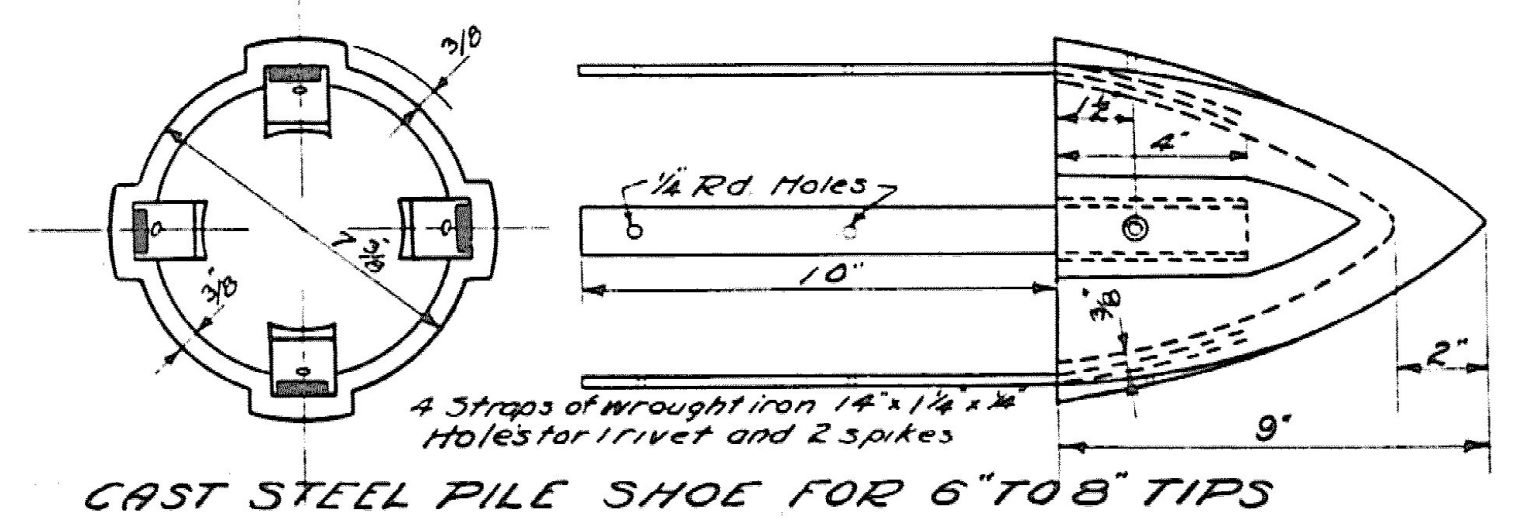
Unless otherwise directed by the Engineer, score pieces shall be equally spaced vertically at about 1'-6" and shall stop at underside of copings and shall be carried around ends of walls or piers where they may be exposed to view. Score marks shall line horizontally throughout job.



HALF ELEVATION
Scale: 1/2" = 1'-0"



SECTION AT E
Scale: 1/2" = 1'-0"



CAST STEEL PILE SHOE FOR 6" TO 8" TIPS

If jetting is necessary, two water jets should be used with a water pressure of at least 150 lbs. per sq. in. Pump to be of piston type with a 6" diameter intake pipe and a 4" diameter outlet pipe. The jet pipe to be about 2" in diameter, nozzle to be circular in section of 1/2" to 3/4" in diameter. Unit price bid for wooden piles shall include jetting if necessary and furnishing and placing pile shoes.

**PIER DETAIL
FOR
FIRE STATION BRIDGE
OVER
BLACK RIVER
LUDLOW - VT**

**Ludlow
BRF 025-1(42)
FOR REFERENCE ONLY
SHEET 73 OF 73**

ESTIMATED QUANTITIES

Class B Concrete	101 Cu. Yds.
Timber Piling	740 Lin. Ft.
Reinforcing Steel	1150 Lbs.
Structure Excavation	70 Cu. Yds.

Surveyed by	H.P. Rodigan	
Designed by	W.G. Huber	3/11/28
Drawn by	C.D. Lord	3/15/28
Traced by	C.D. Lord	3/16/28
Checked by	M. Woodruff	
Series F	No. 1218	Filed 4-18-28
Sheet 7 of 7 Sheets		