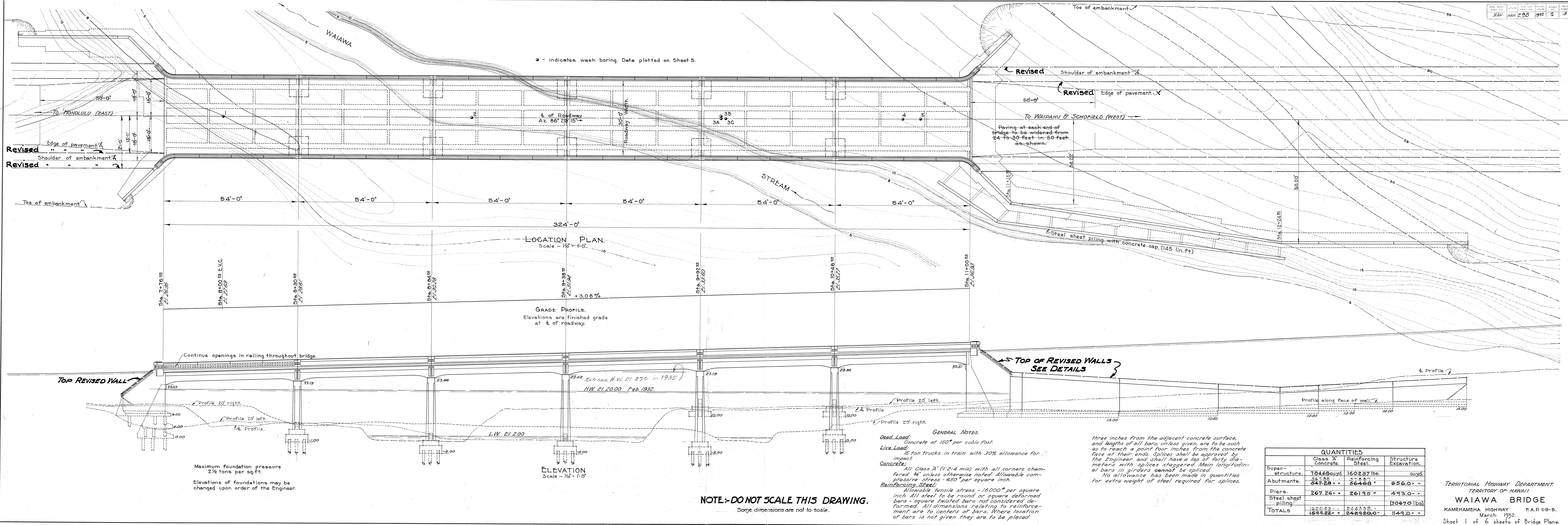
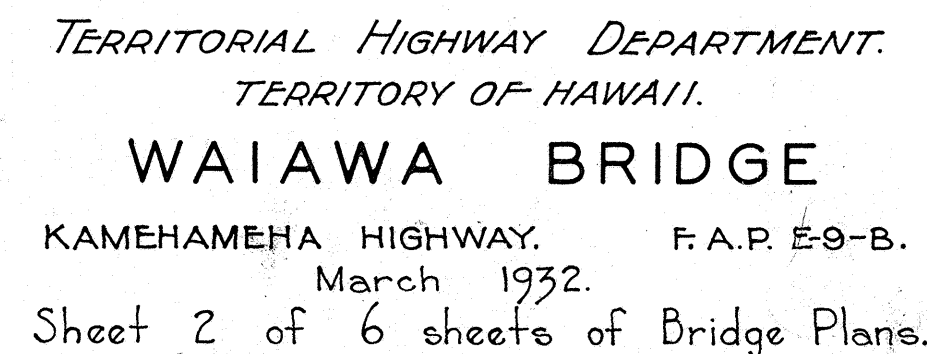




Revised 9-9-32
DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: FEB. 1932.
FISCAL YEAR: 1932.
SHEET: 6 OF 15.



Some dimensions are not to scale.

Revised 9-9-32



NOTE:- Weep holes not less than 3" in diameter spaced 4'-0" apart and at a distance of 2'-0" above top of base slab shall be provided in all retaining, wing and abutment walls.

DETAILS - EAST ABUTMENT.

WAI AWA BRIDGE

4256.9



TYPICAL SECTIONS
ABUTMENT & WING WALLS.
Scale ~ $\frac{3}{8}" = 1'-0"$

Where bars end at edge of counterfort they shall be hooked-

Size & spacing of steel in base as shown on plan.

Where bars end at edge of counterfort they shall be hooked:

$\frac{1}{2}$ " $\square$ bars as shown in vertical section

LONGITUDINAL SECTION THRU WALL.

Diagram illustrating the reinforcement details for a wall section. The wall is shown with horizontal ties and vertical bars. The reinforcement is specified as follows:

- Horizontal ties, $\frac{5}{8}$ " U bars, 8'-0"
- All vertical bars, $\frac{1}{2}$ " as shown.

Additional notes from the diagram:

- end at
- fort
- ooked:

VERTICAL SECTIONS.

1/2" bars @ 5" o.c. 1/2" bars @ 6" o.c. 1/2" bars @ 9" o.c. 1/2" bars @ 12" o.c.
Alternate bars bent to inside at counterforts.

U - ABUTMENT
Scale ~ $\frac{1}{4}'' = 1'-0''$

PLAN & ELEVATION - ABUTMENT & WING WALLS

Steel in upper ends of concrete piles to be "fanned" out into counterforts & base slab. Detail of piles shown on Sheet 6.

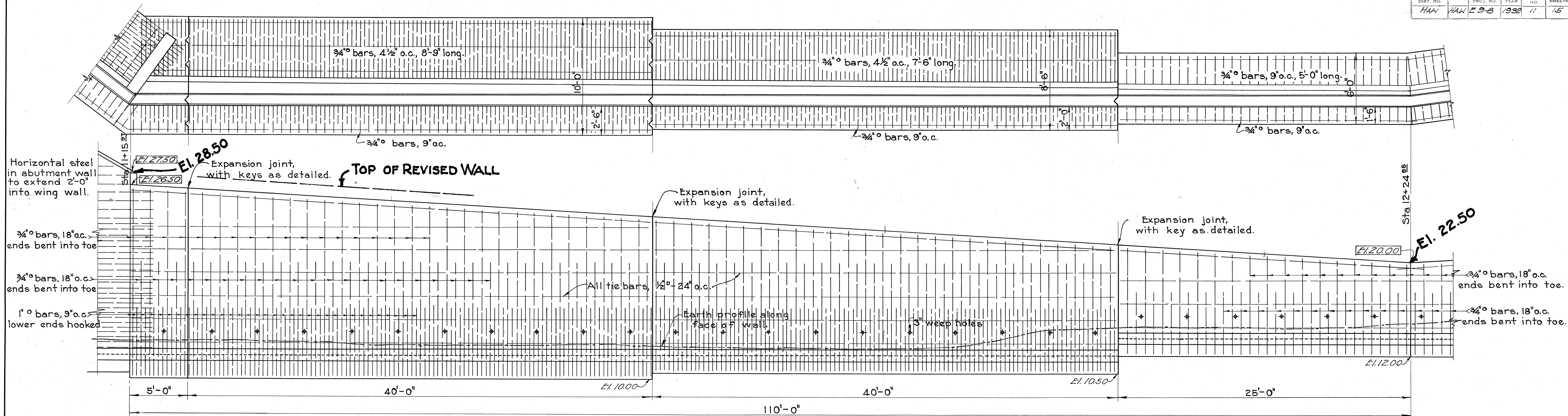
**NOTE: DO NOT SCALE
THESE DRAWINGS**

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII

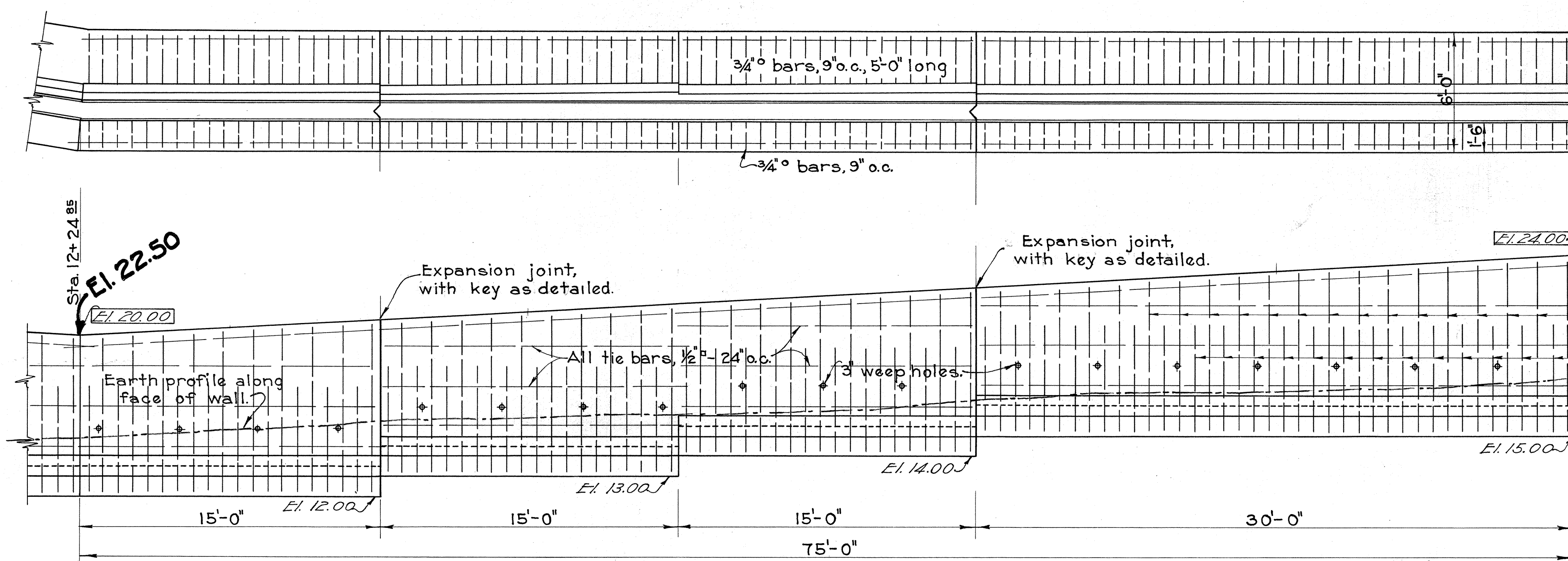
WAI AWA BRIDGE

KAMEHAMEHA HIGHWAY. F.A.P. E-9-B.
March 1932.
Sheet 4 of 6 sheets of Bridge Plans.

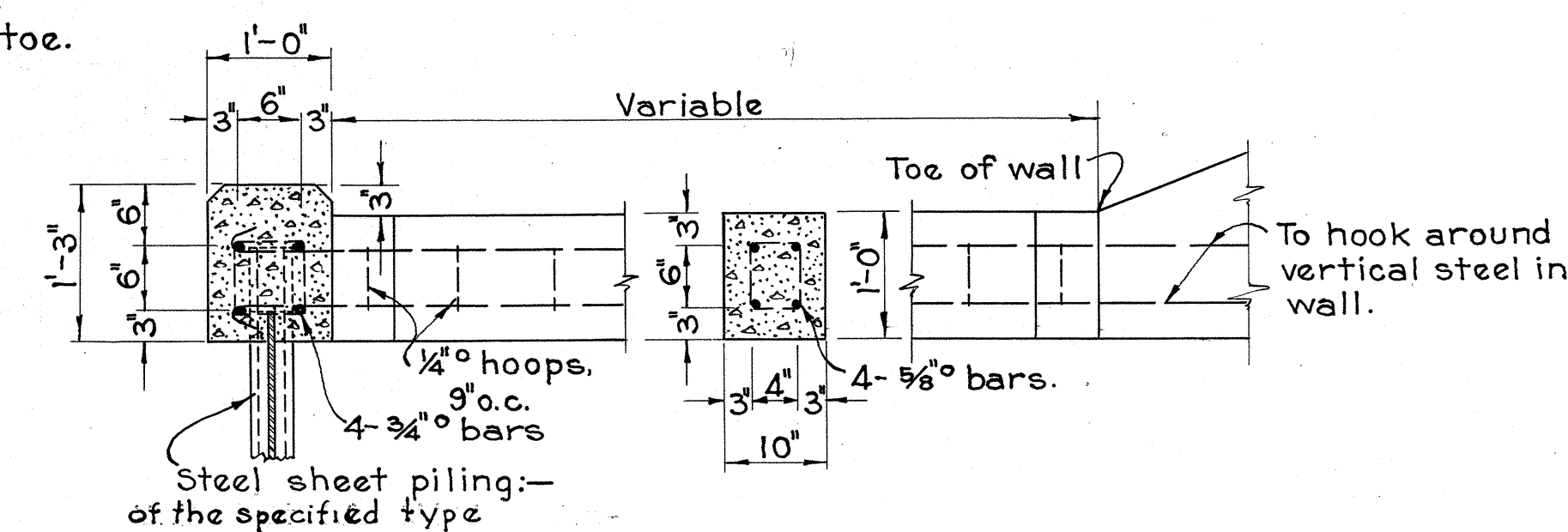
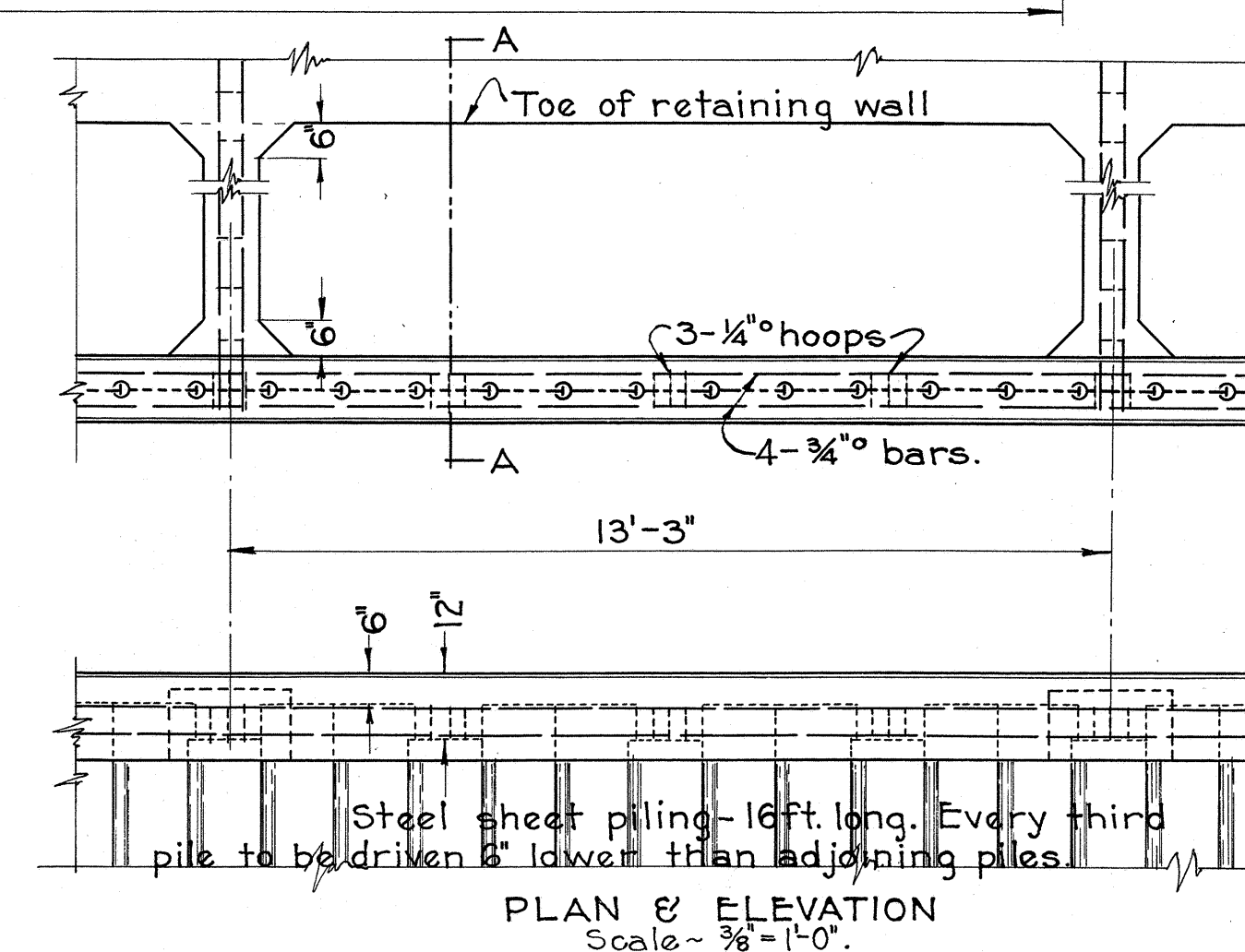
4256.9



Note:—
Typical sections & detail of this wing wall shown on Sheet 4



PLAN & ELEVATION - WEST ABUTMENT WING WALL.
Scale ~ 1/4" = 1'-0"



SECTION A-A.
Scale ~ 3/4" = 1'-0"

DETAIL - SHEET PILING CAP.

NOTE: STEEL TO BE
LENGTHENED TO CON-
FORM WITH GEN. NOTES.

NOTE: Do Not SCALE
THIS DRAWING.

TERRITORIAL HIGHWAY DEPARTMENT.
TERRITORY OF HAWAII
WAIAWA BRIDGE
KAMEHAMEHA HIGHWAY. F.A.P. E-9-B.
March 1932.
Sheet 6 of 6 sheets of Bridge Plans.

4256.11

DESIGNED BY: [Signature]
DATE: FEB. 1932.
DRAWN BY: [Signature]
TRACED BY: [Signature]
CHECKED BY: [Signature]

Revised 9-9-32

When handling piles support at three points:— At center and 10'-0" from each end.

DETAIL - PRECAST CONCRETE PILE.
Scale ~ 3/4" = 1'-0"