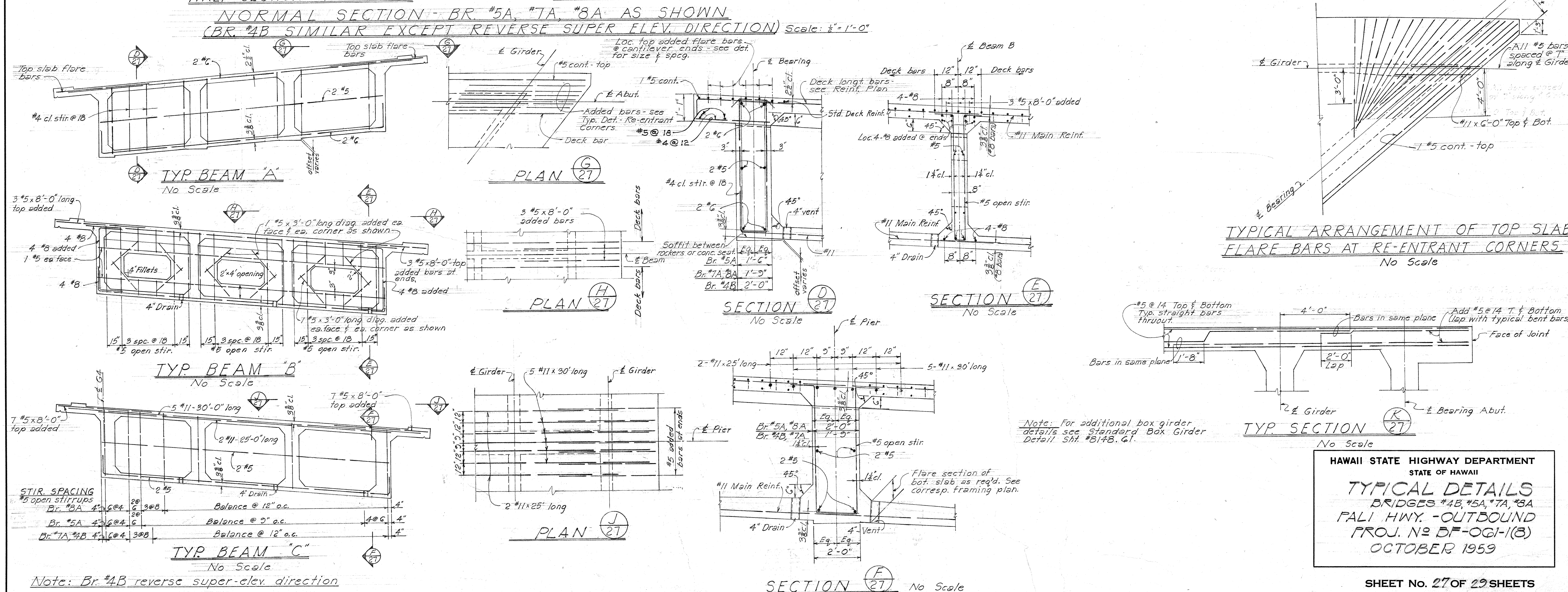
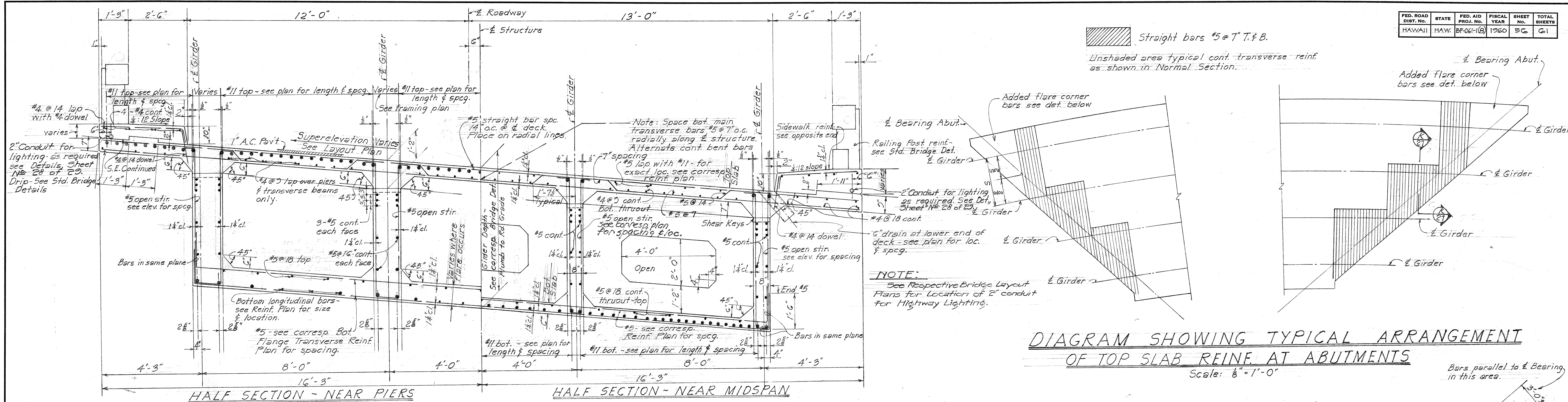
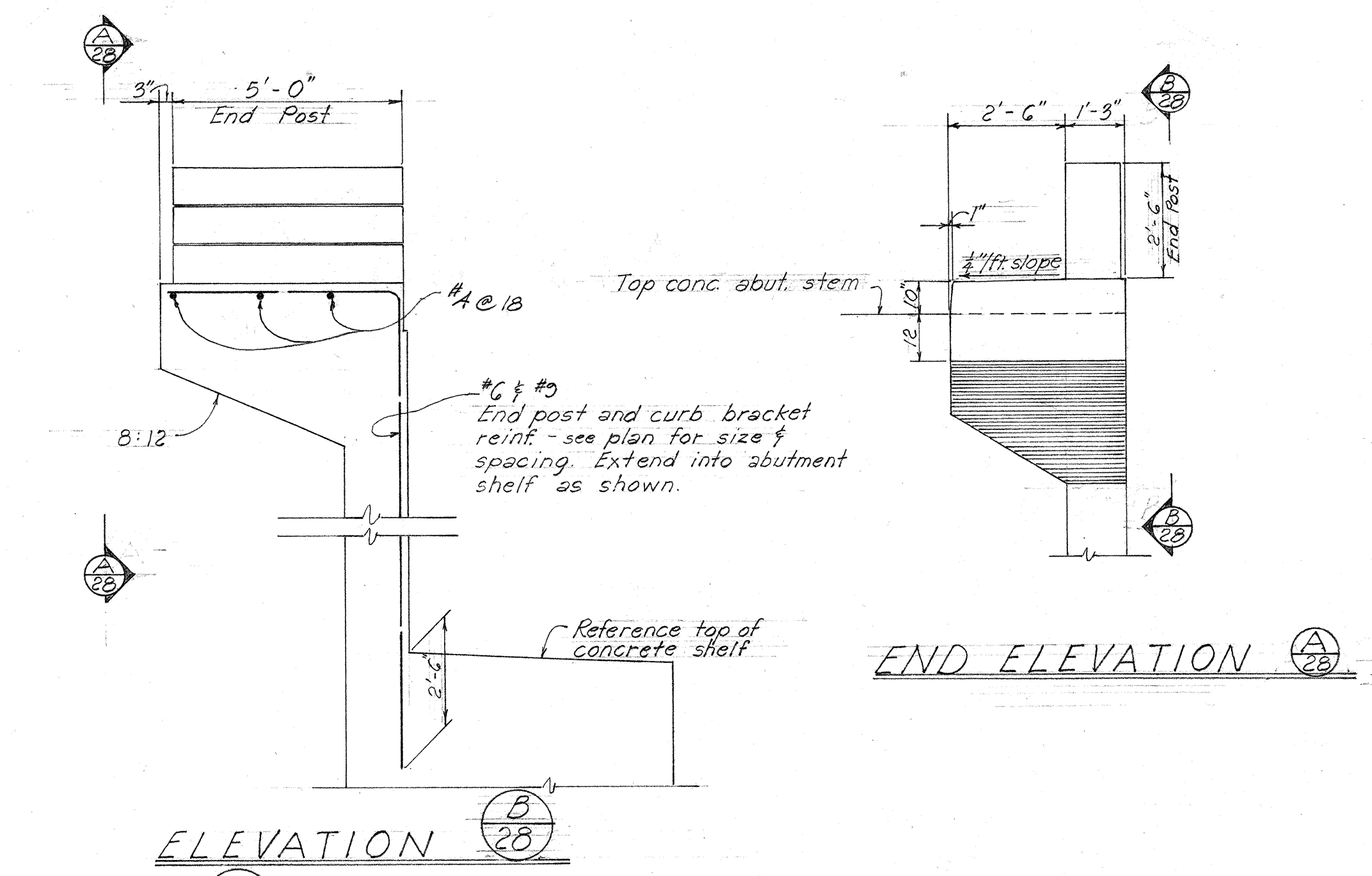


FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOT SHE
HAWAII	HAW.	BF-061-1(8)	1960	56	6

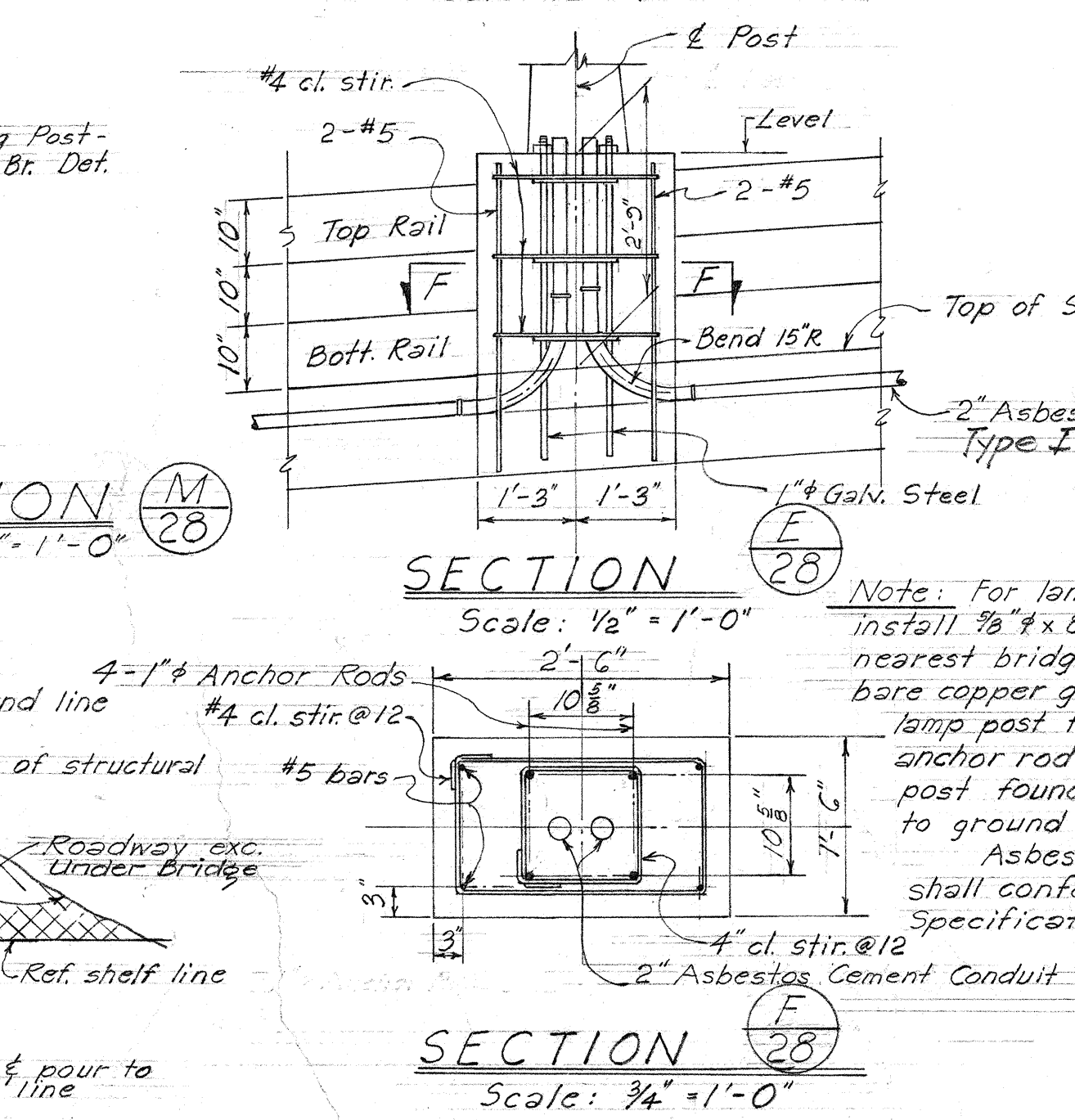
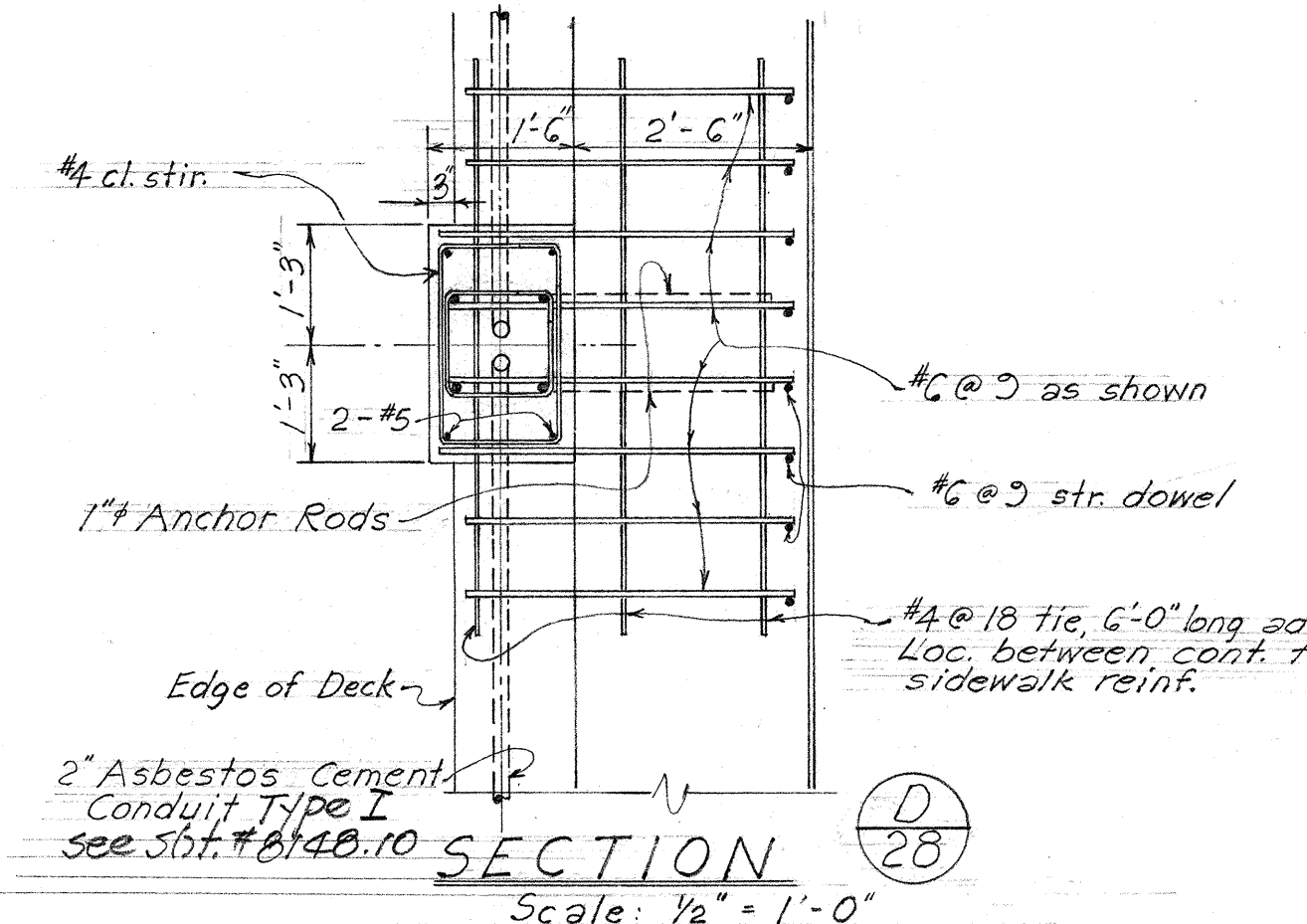
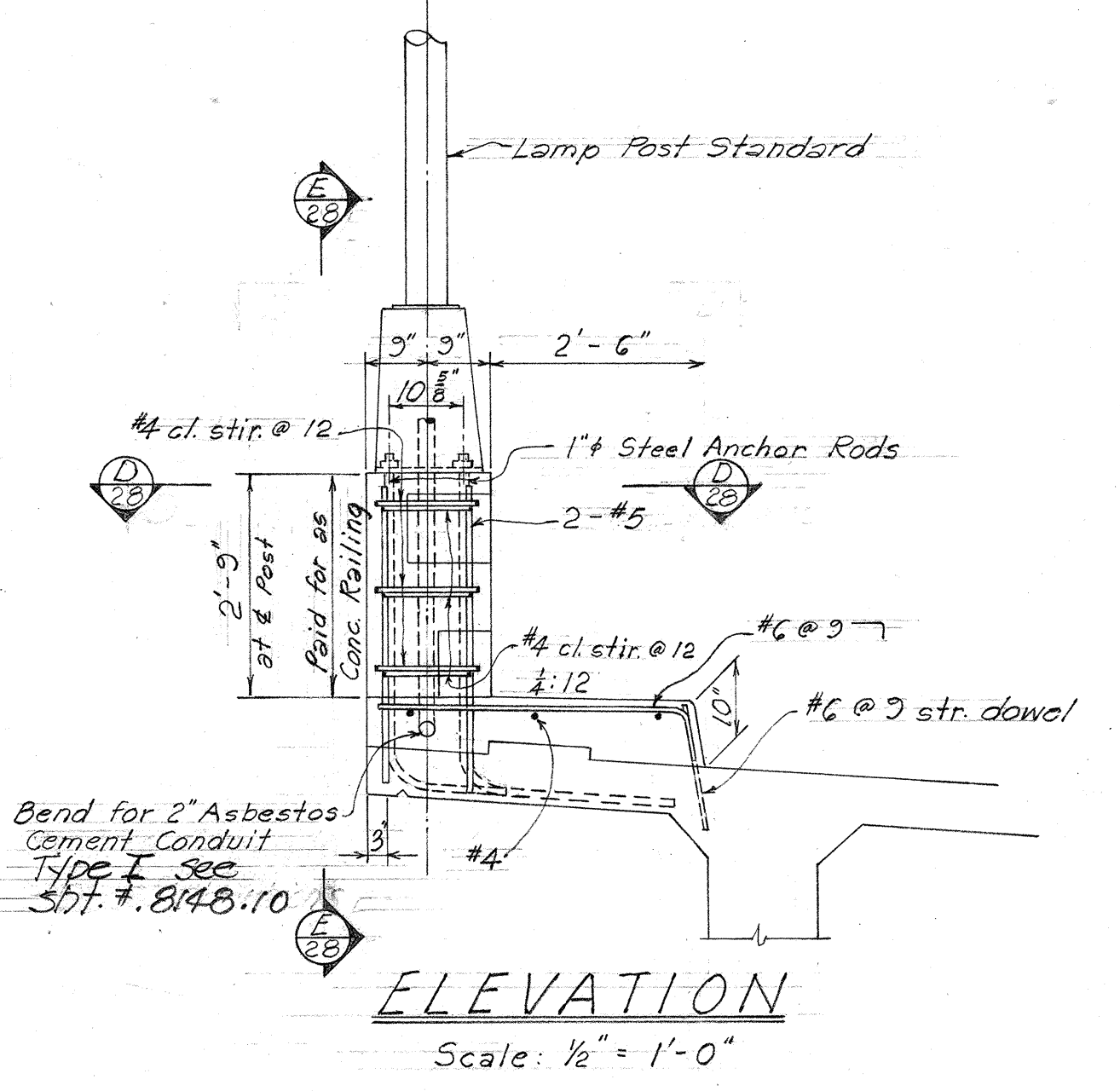
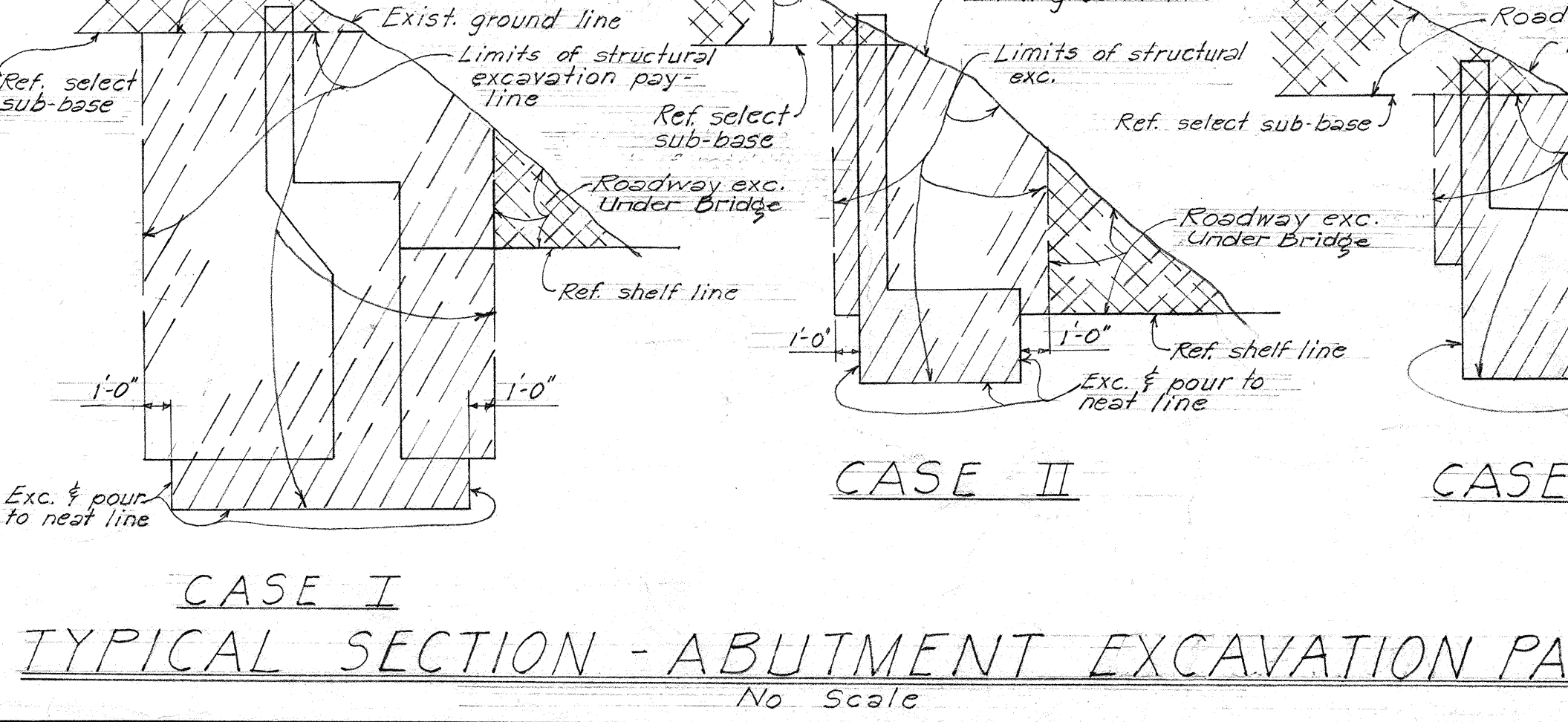
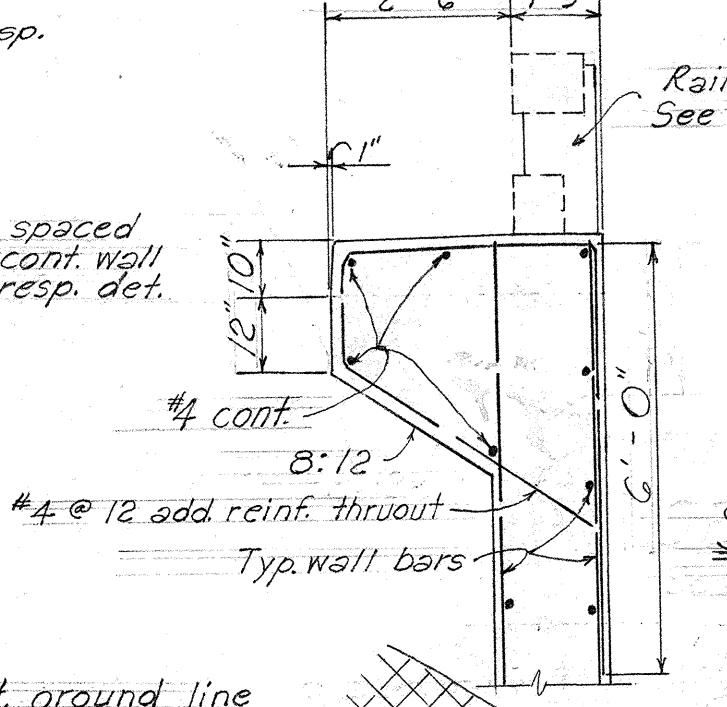
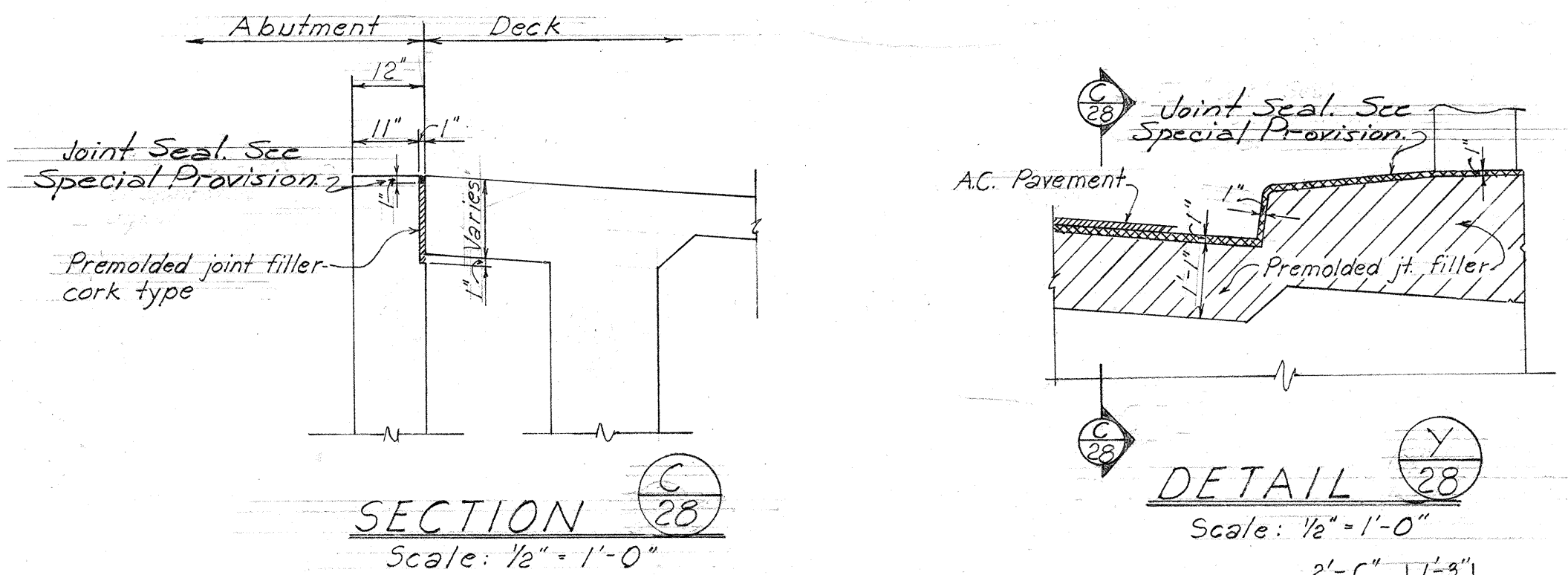


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	06061-1(8)	1960	57	61

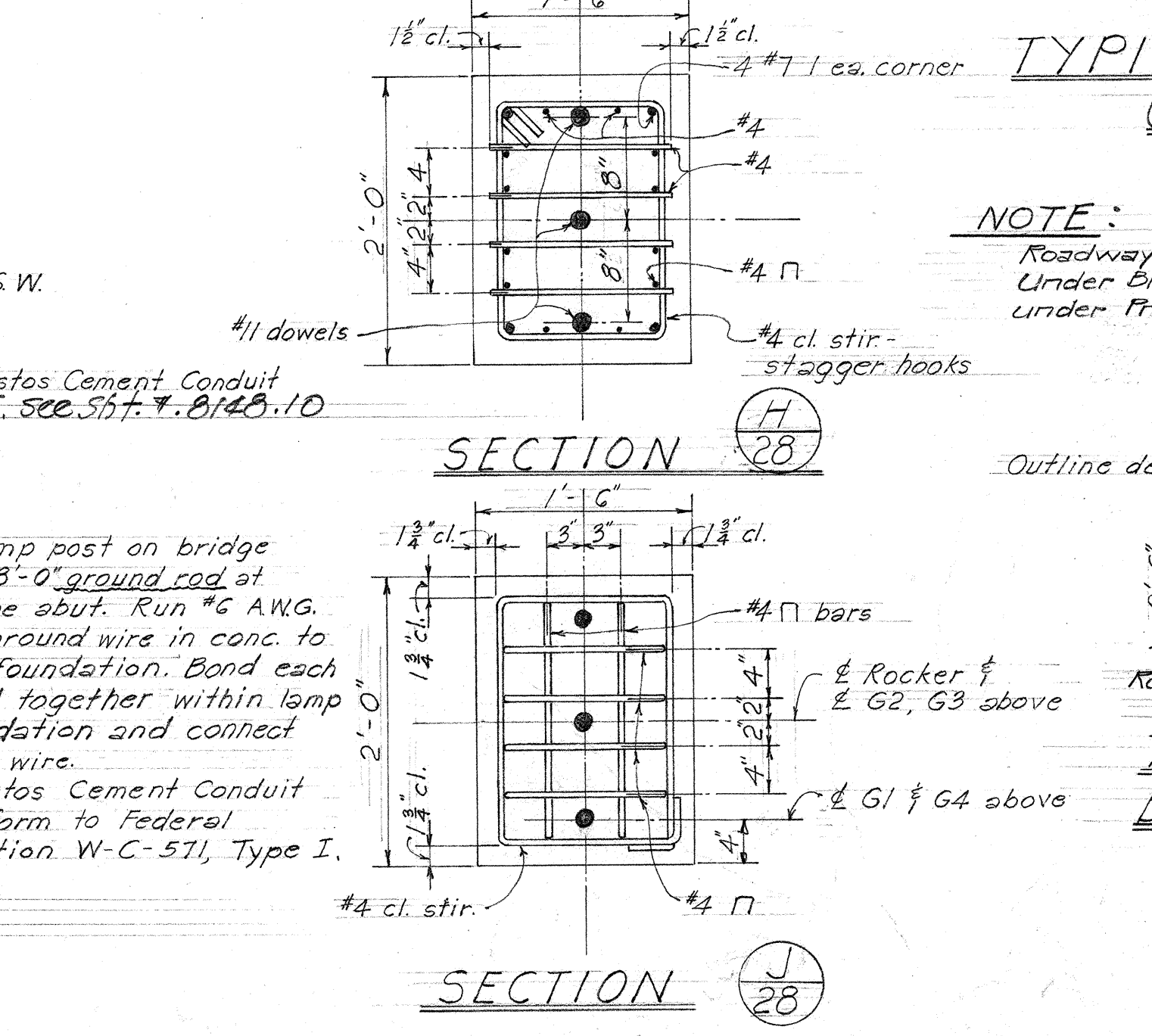
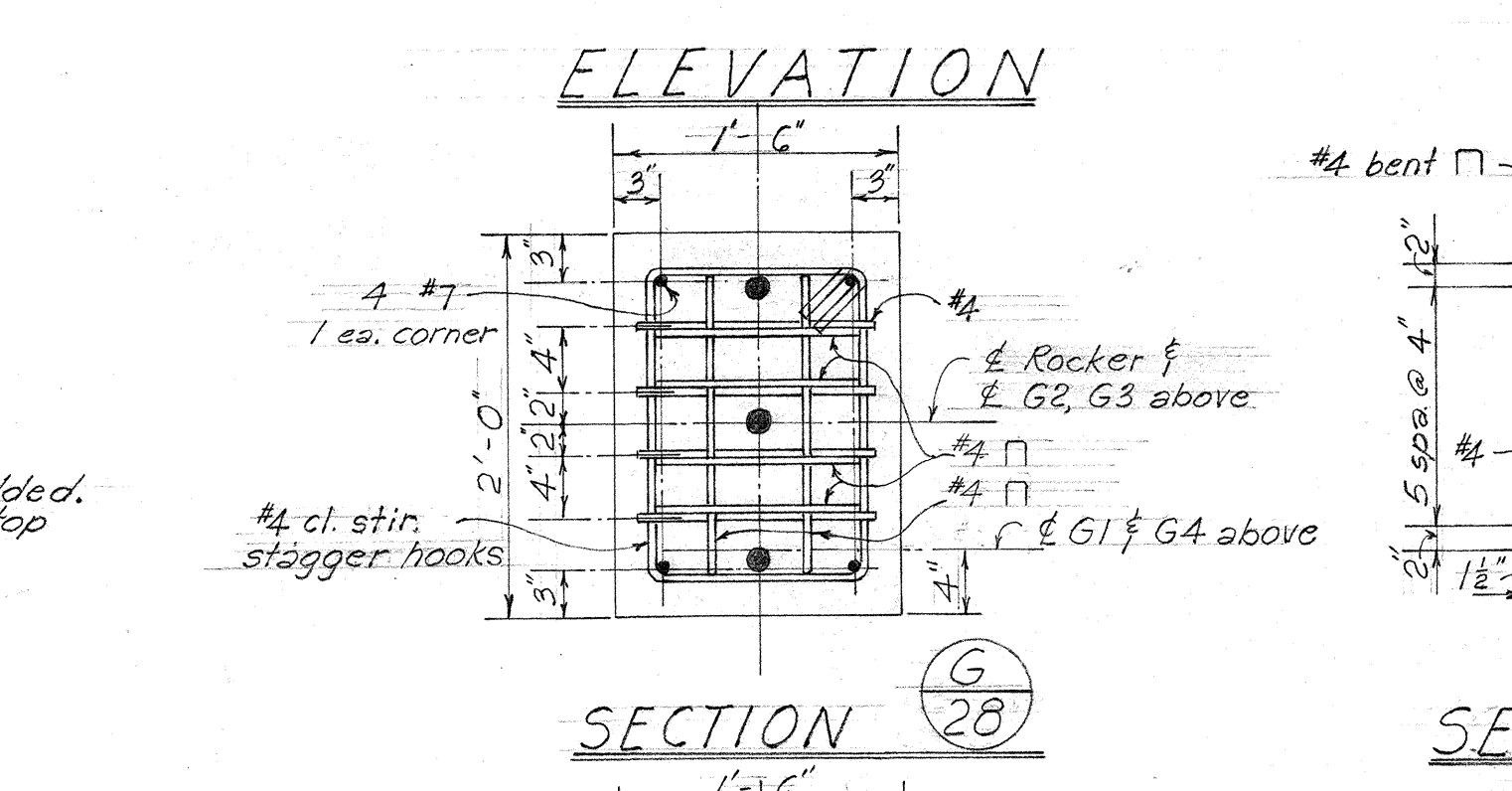
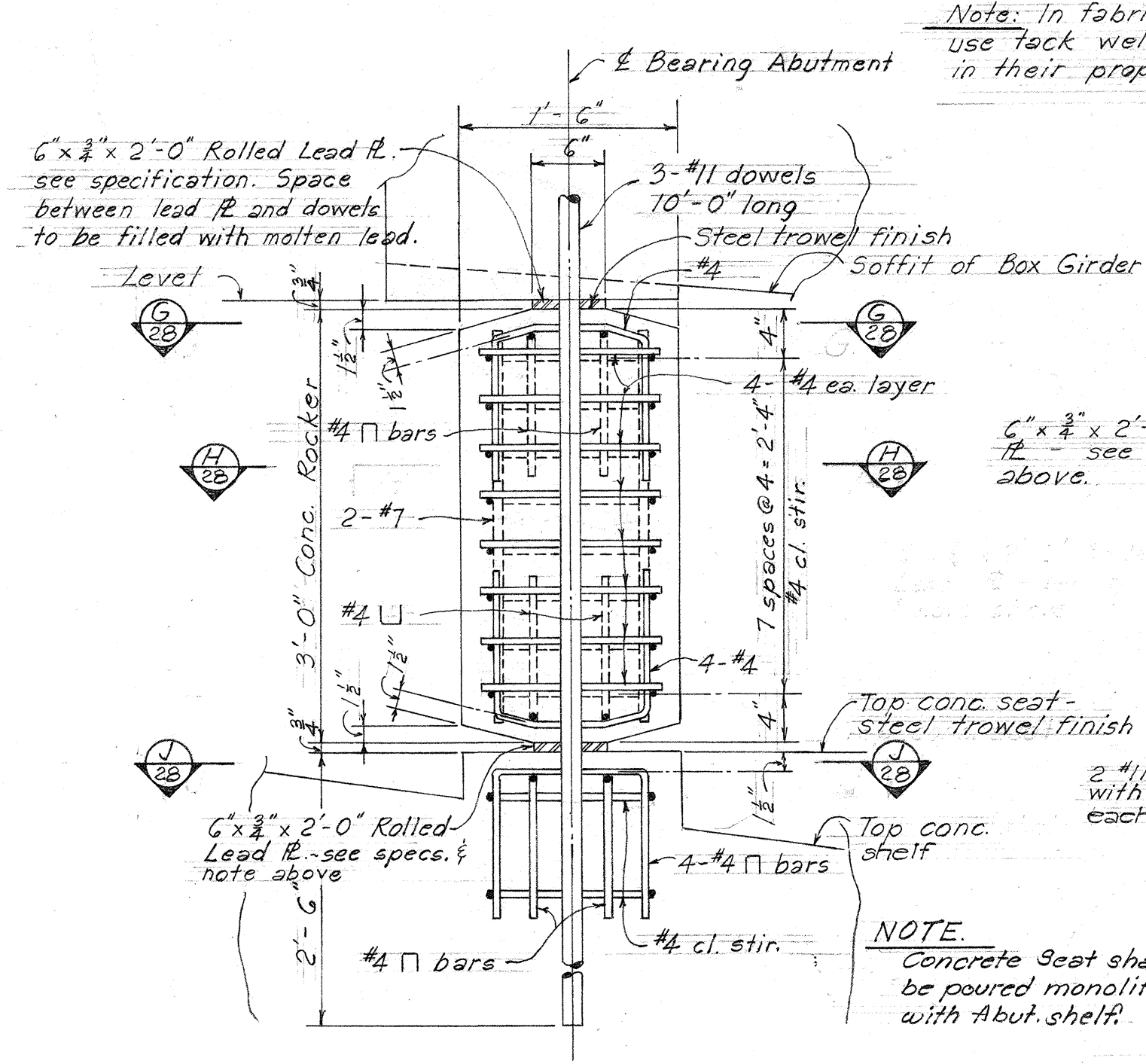
Note: In fabricating cage reinf. use tack weld to keep bars in their proper places.



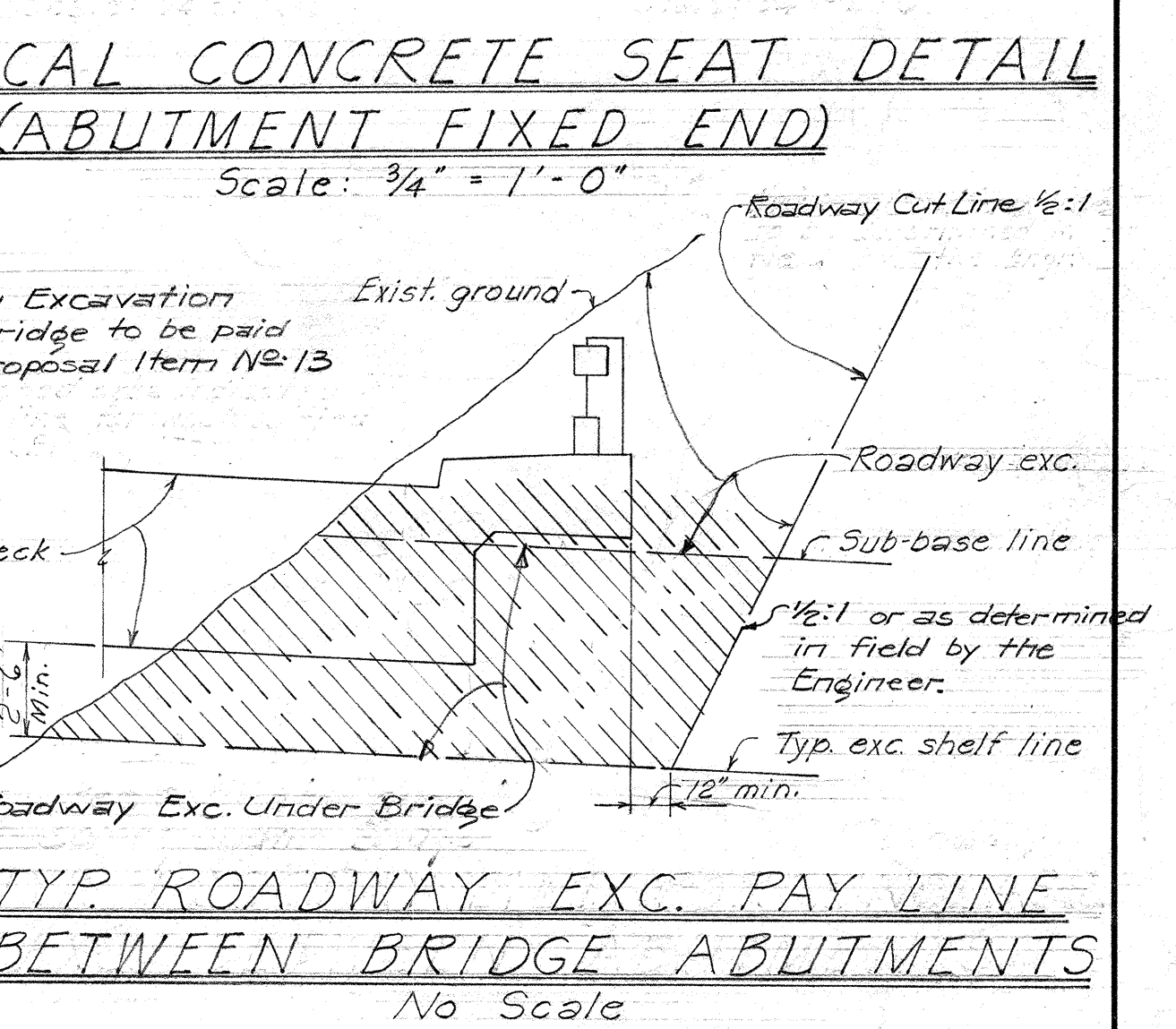
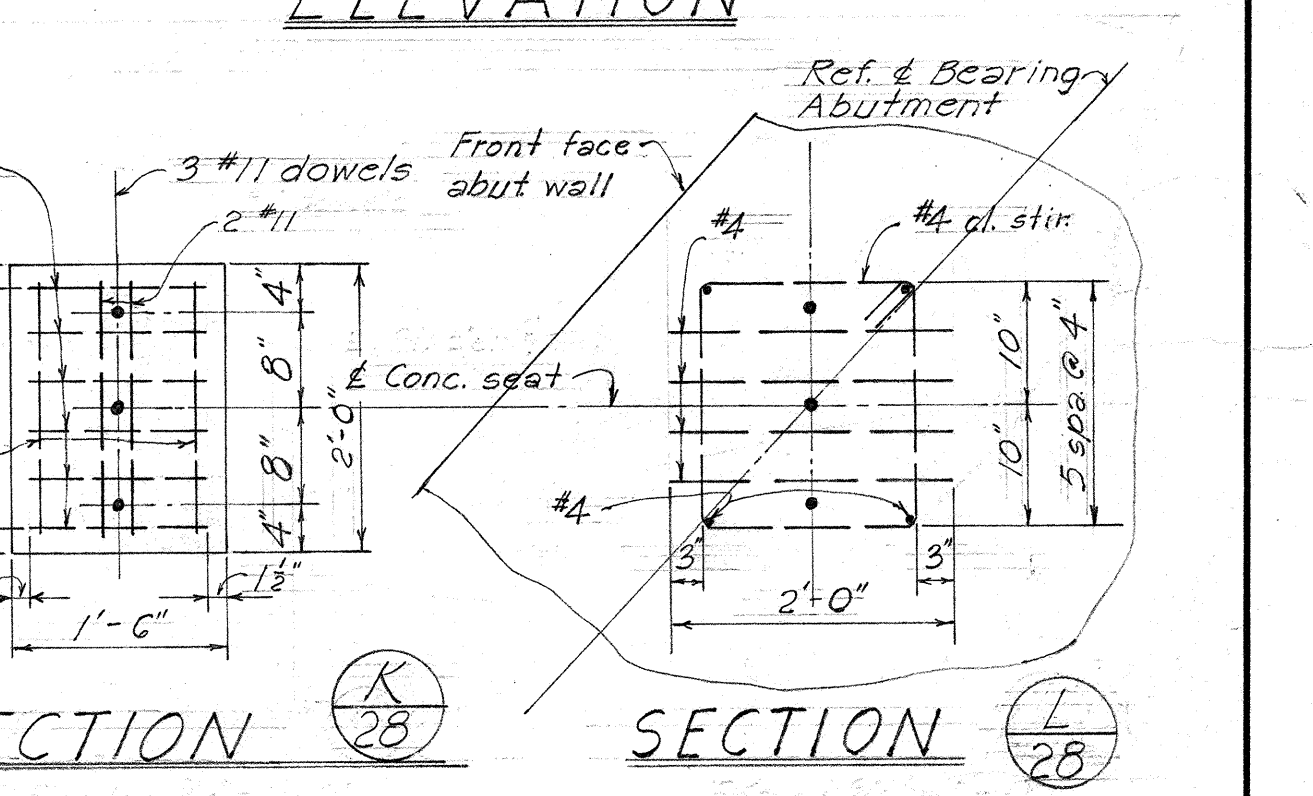
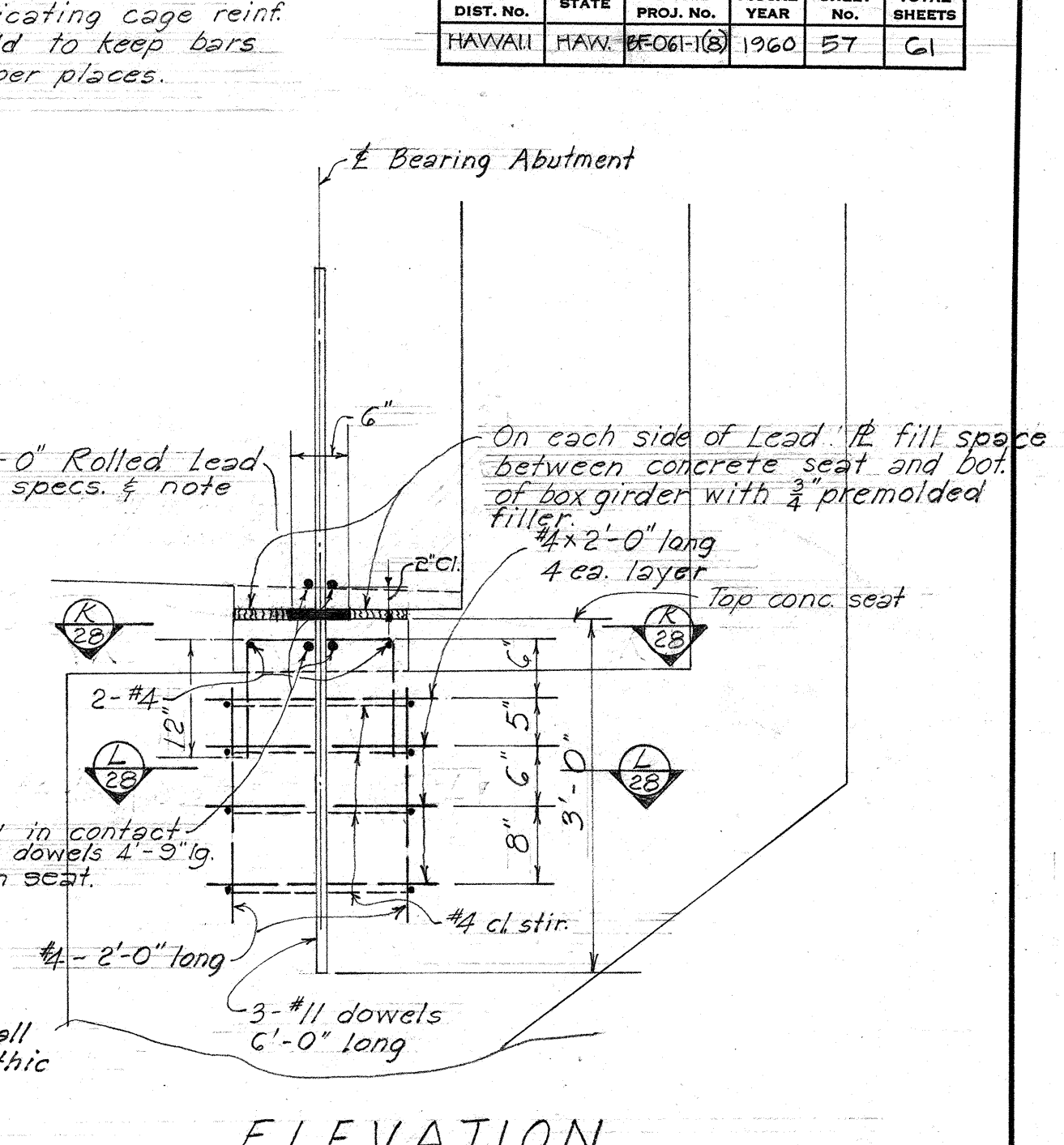
DETAIL (X) 28 - TYPICAL END POST & CURB BRACKET
Scale: 3/8" = 1'-0"



LAMP POST FOUNDATION REINFORCING DET. AT CONG. RAILING
Note: Lamp post foundation above sidewalk shall be paid for as concrete railing. 4-1" #4 anchor rods, 3/8" x 8'-0" ground rod, and #6 A.W.G. bare copper wire shall be incidental to concrete railing.



TYPICAL ROCKER DETAIL (ABUTMENT EXPANSION END)
Scale: 1" = 1'-0"



HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
TYPICAL DETAILS
BRIDGES 4A, 4B, 4C, 5A, 7A, 8A
PALI HWY. - OUTBOUND
PROJ. NO. BF-OGI-1(8)
OCTOBER 1959

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BF-061-1(8)	1960	58	61

MATERIALS

All concrete, class A-1 unless otherwise noted on the plans.
Admixture shall be added to all concrete-see special provisions.

CONSTRUCTION METHODS

All backfill behind abutment shall be complete in place before pouring concrete for the superstructure.
Curbs, sidewalks and railings on bridge shall not be poured until after release of falsework.
Footings shall be excavated and poured to neat lines. In case of over excavation, space between footing and ground shall be filled with concrete at the contractor's expense. This fill concrete shall have a minimum quality of Class D-1.
Submission of falsework plans is required. Falsework and forms for the support of box girders shall be designed to support the entire superstructure. Falsework and forms supporting the bottom slab of box girders shall not be released until 14 days after the final top slab pour.
For details of highway lighting conduit expansion coupling at abutments see Sht. #8148.11

All falsework shall be founded on firm ground. Founding falsework on spoils from previous construction will not be permitted.

Bridge to be constructed on curve.

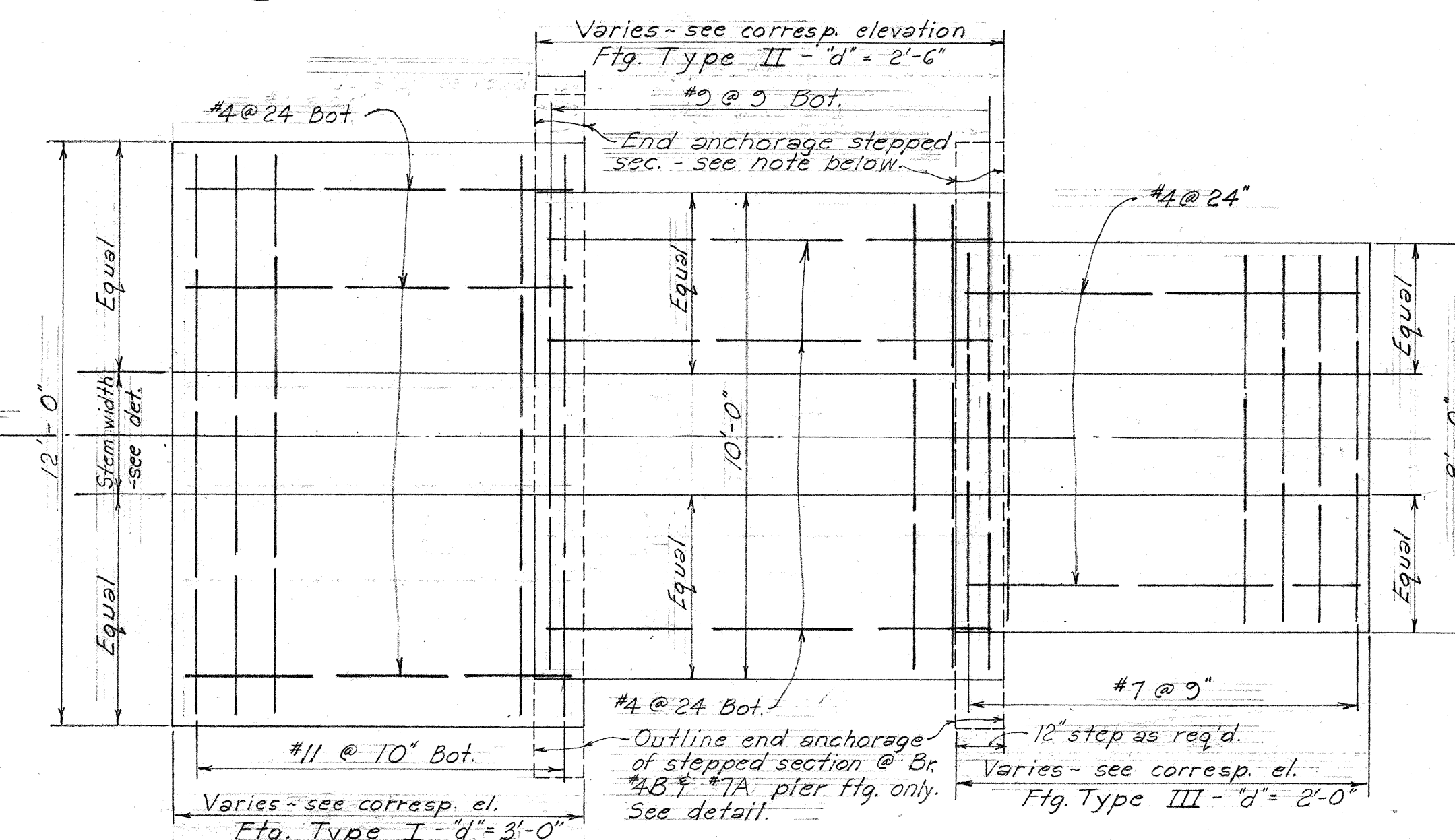
GENERAL

Typical details as shown on Shts. #27, 28, 29 of 29 shall apply to the entire project in general with modifications as may be required for each respective bridge.

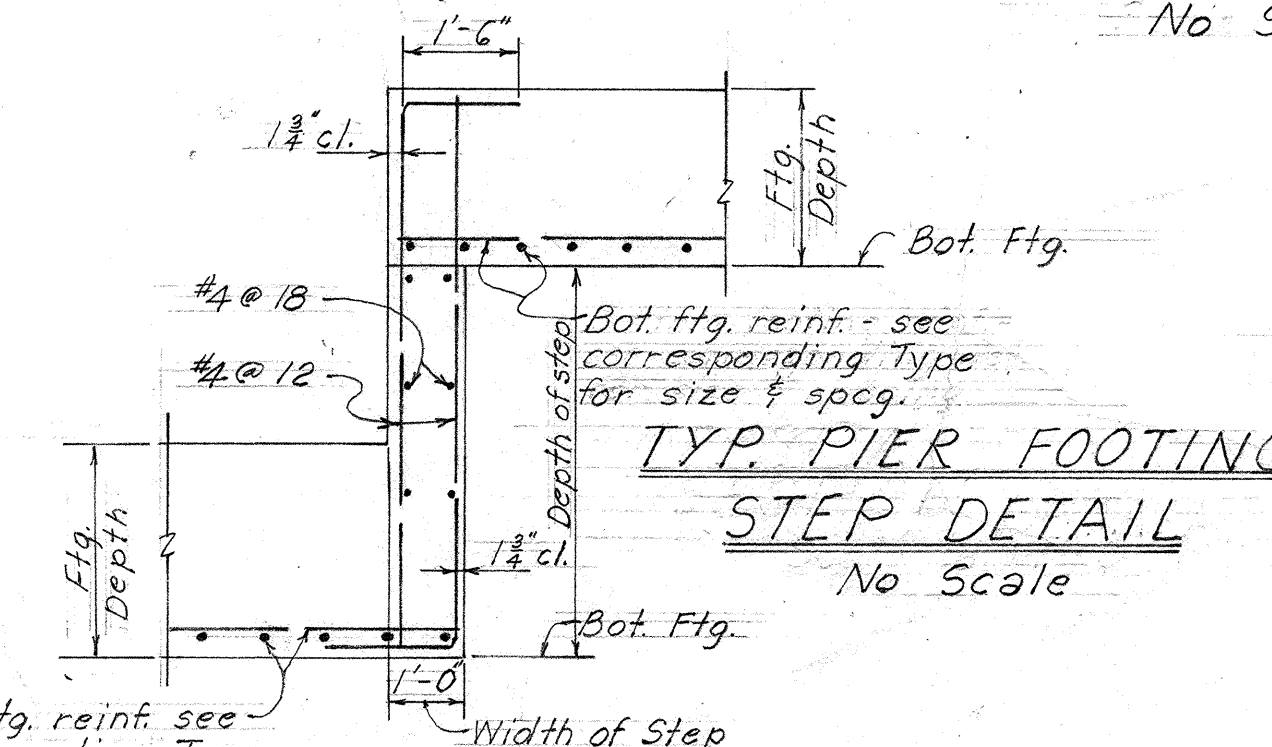
Excavation for filter material shall be incidental to filter material & will not be paid for separately.

SYMBOL

Section letter
Bridge Sheet No. of 29 detail is drawn on.



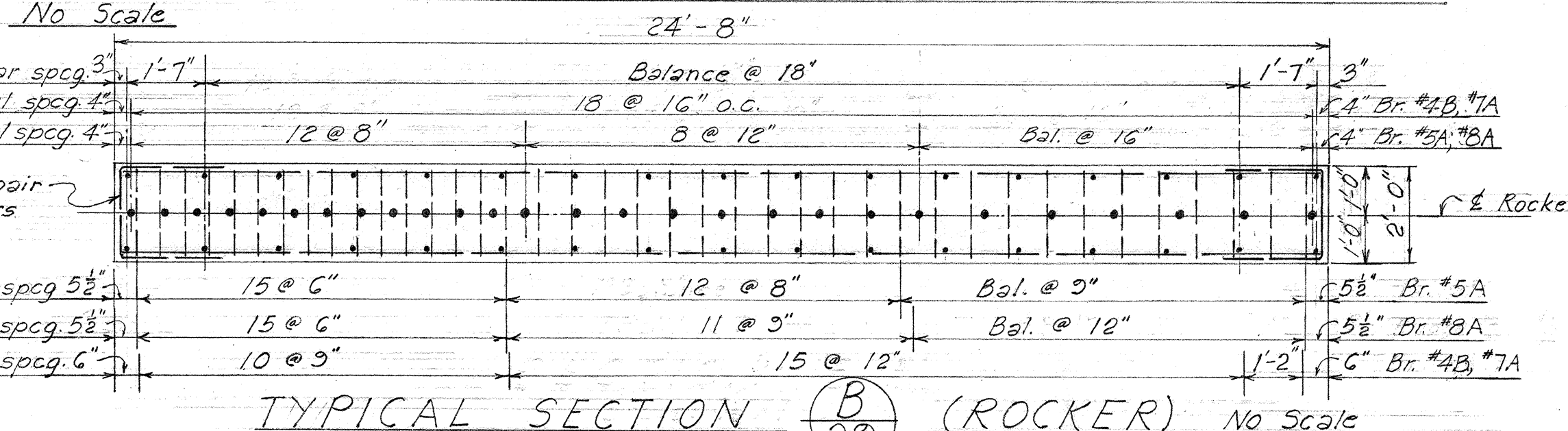
PLAN - TYPICAL PIER FOOTING DETAILS
No Scale



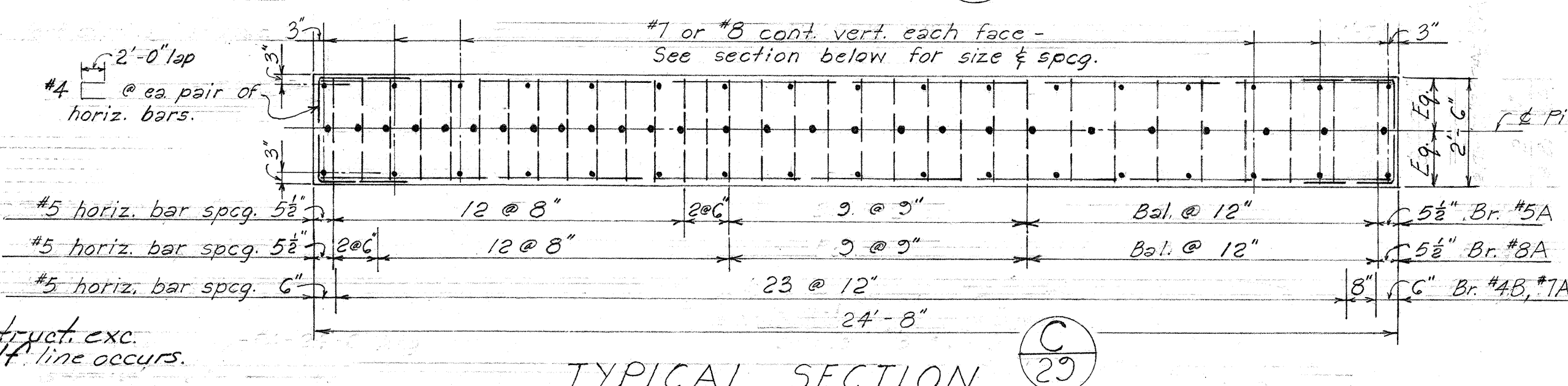
TYP. PIER FOOTING
STEP DETAIL
No Scale

FOOTING & ANCHORAGE DETAIL
TYPICAL AT STEP - BRIDGE #4B & #7A ONLY
No Scale

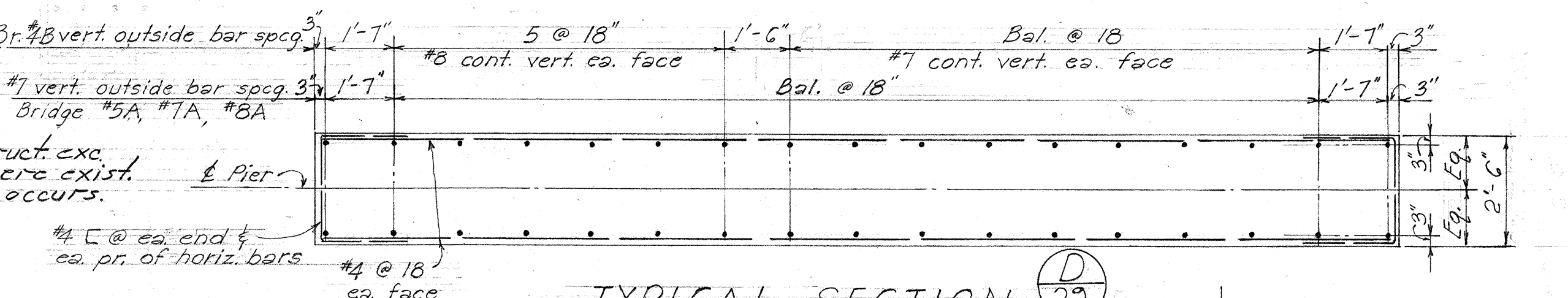
PIER ELEVATION (29) - BRIDGE #5A, #7A, #8A AS SHOWN
(BRIDGE #4B SIMILAR EXCEPT SUPER ELEV. OPP. DIRECTION)
No Scale



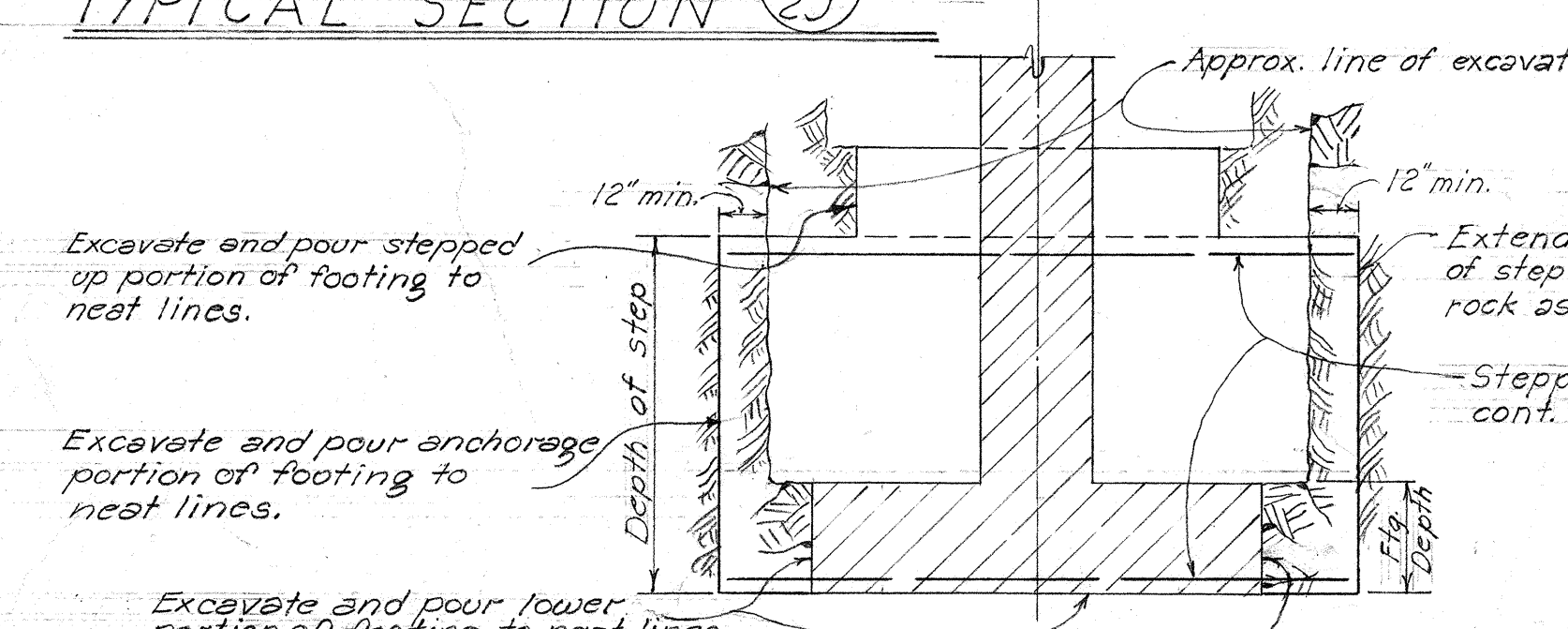
TYPICAL SECTION (29) (ROCKER)
No Scale



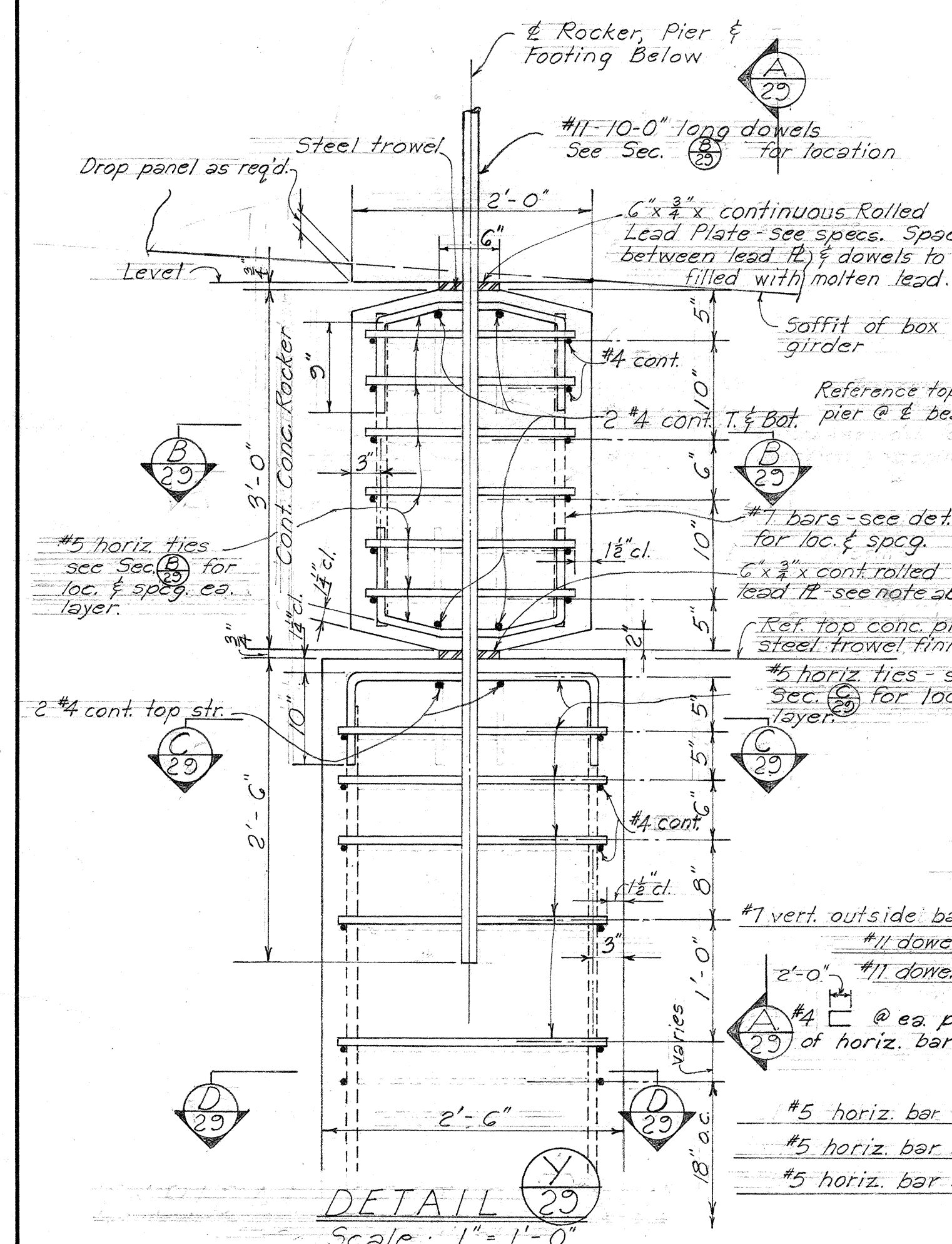
TYPICAL SECTION (29)
No Scale



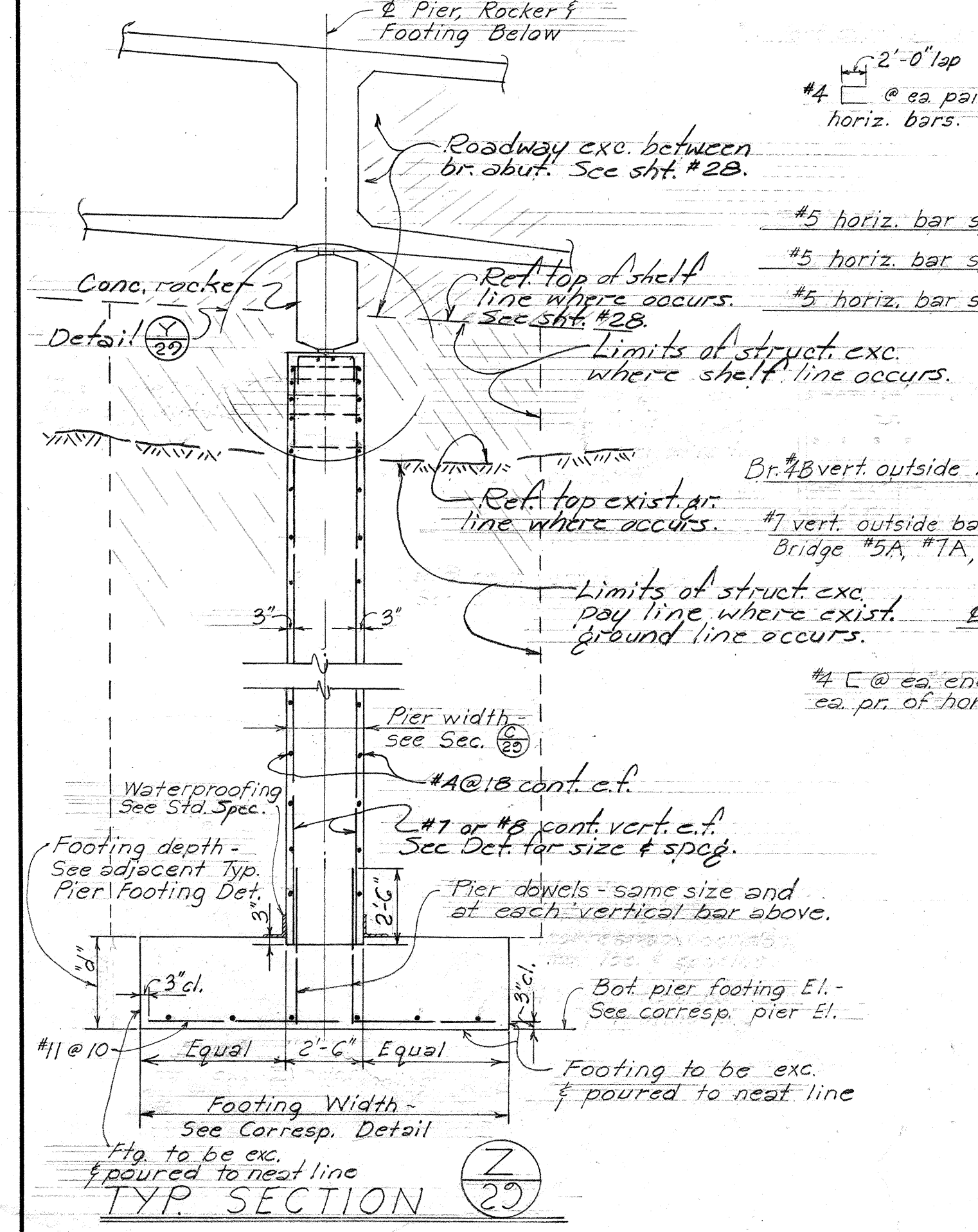
TYPICAL SECTION (29)
No Scale



FOOTING & ANCHORAGE DETAIL
TYPICAL AT STEP - BRIDGE #4B & #7A ONLY
No Scale



DETAIL (29)
Scale: 1" = 1'-0"



TYP. SECTION (29)
No Scale

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
TYPICAL DETAILS
BRIDGES 4A, 4B, 4C, 5A, 7A, 8A
PALI HWY - OUTBOUND
PROJ. No BF-061-1(8)
OCTOBER 1959

SHEET No. 29 OF 29 SHEETS

8148.58

FOR CONTRACT PLANS

DATE	BY	REVISION
10/1/59	W. J. B.	1
10/1/59	W. J. B.	2
10/1/59	W. J. B.	3
10/1/59	W. J. B.	4
10/1/59	W. J. B.	5
10/1/59	W. J. B.	6
10/1/59	W. J. B.	7
10/1/59	W. J. B.	8
10/1/59	W. J. B.	9
10/1/59	W. J. B.	10

PRINTED ON DIEGO 1000H CLEARPRINT
Footing & anchorage detail, pier & footing below