

GENERAL NOTES

Prestressed Girder

$f_c = 4000$ psi at transfer.
 $\frac{1}{2}$ " dia. 7-wire strand
 Tensioning load = 25,200 lbs.

Specification: AASHO

Standard Specifications for Highway Bridges (7th Edition) with subsequent additions and modifications.

Materials

Concrete - All concrete shall be class A-1 except concrete for prestressed girders. See Special Provisions.

Admixture - See Special Provisions.

Construction Methods

General - See Special Provisions.

Welding - All welding shall conform to the latest specifications for welding Highway & Railway Bridges, Design, Construction and Repair of the American Welding Society.

Forms - Forms for all exposed surfaces of structure, (except prestressed girders) shall be plywood. Forms for prestressed girders shall be made of material that will produce a smooth finish and true dimensions as shown in the plans.

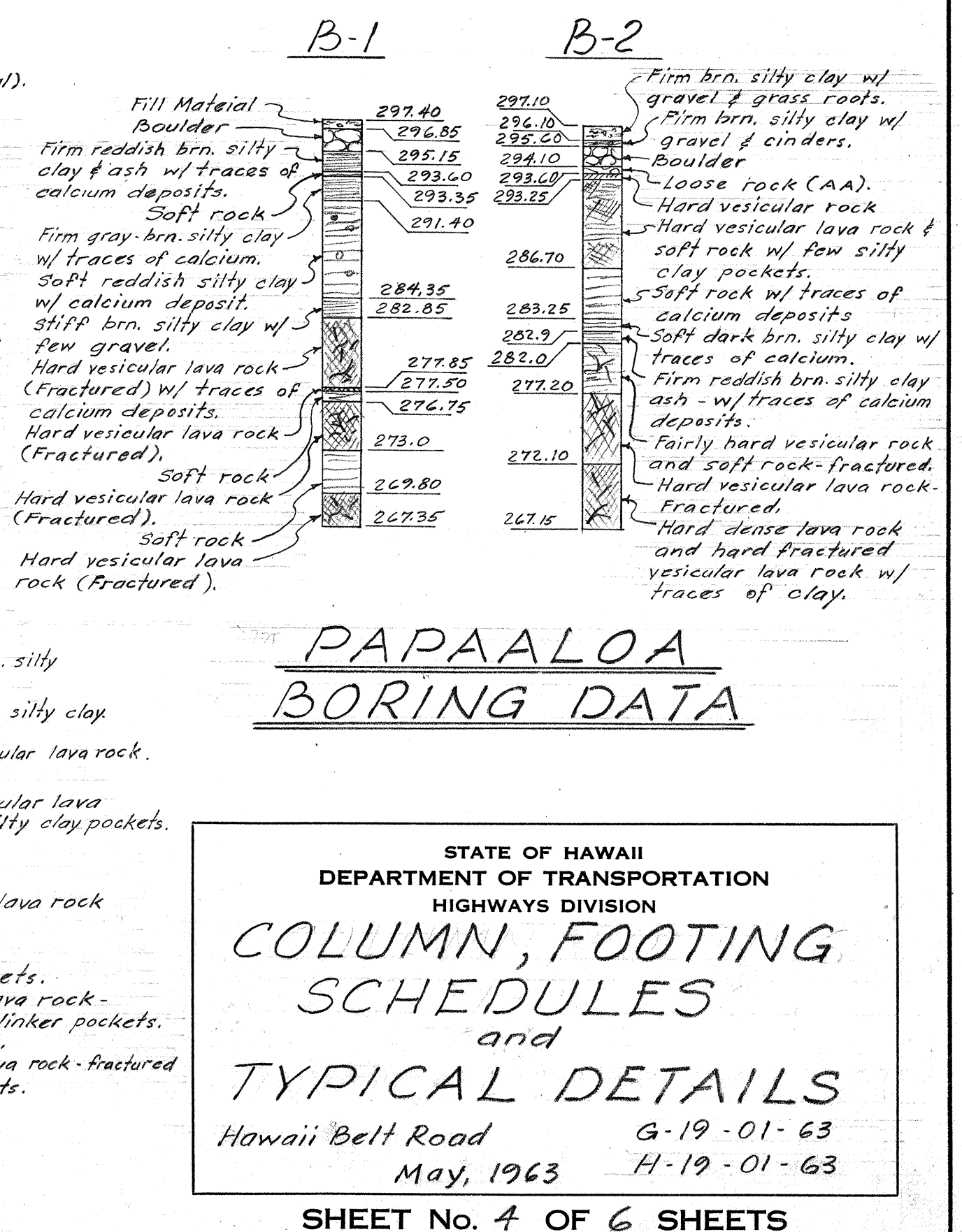
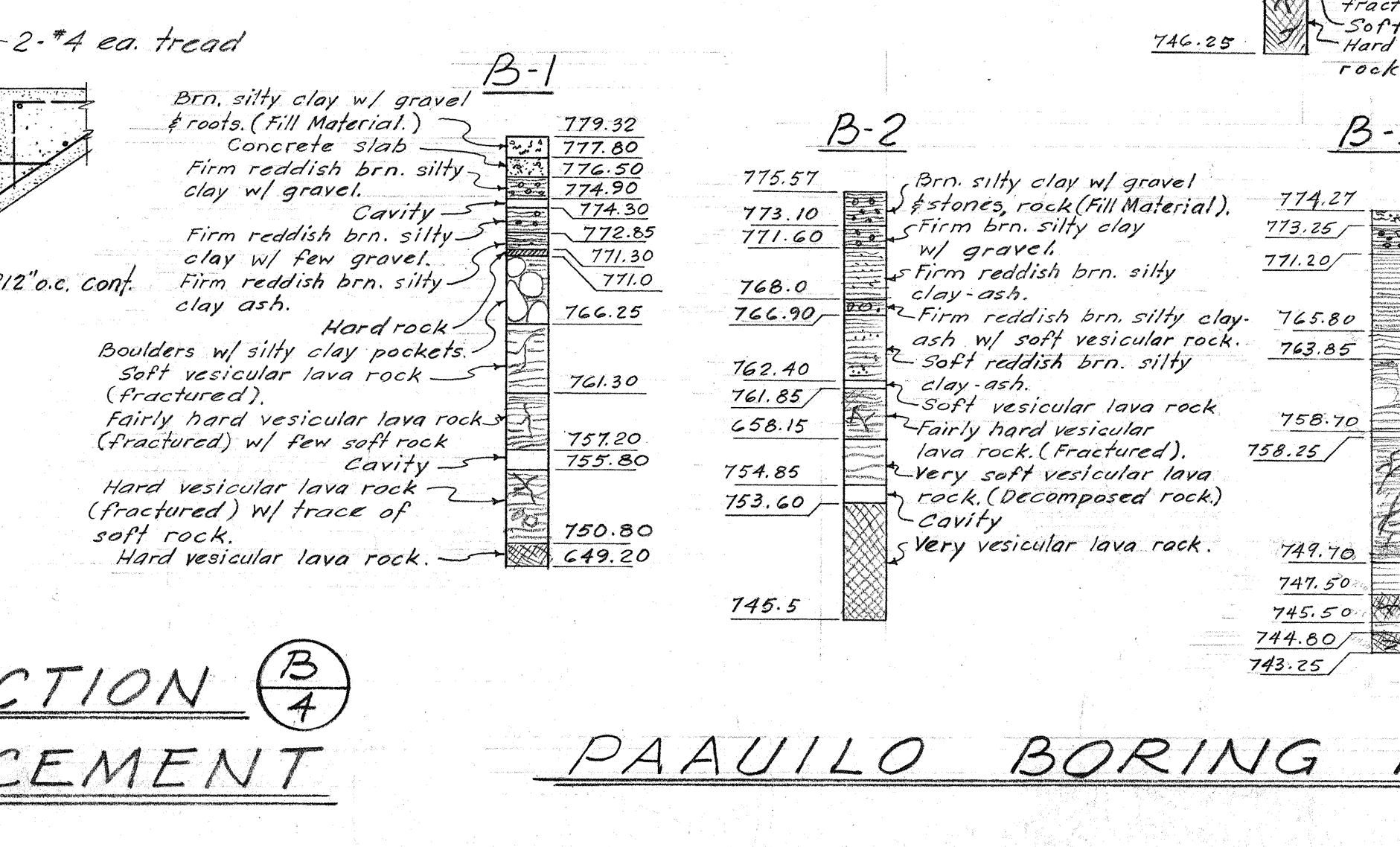
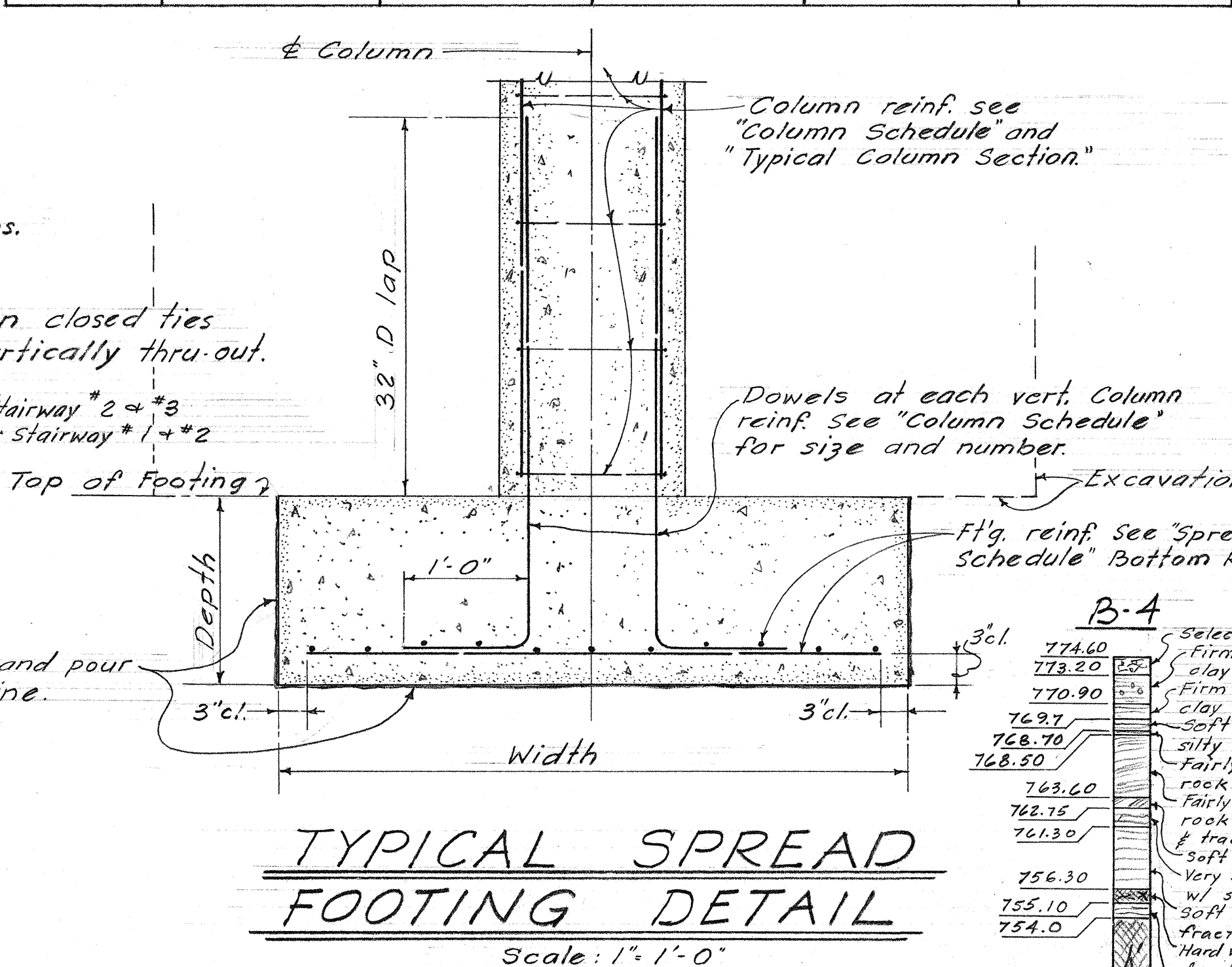
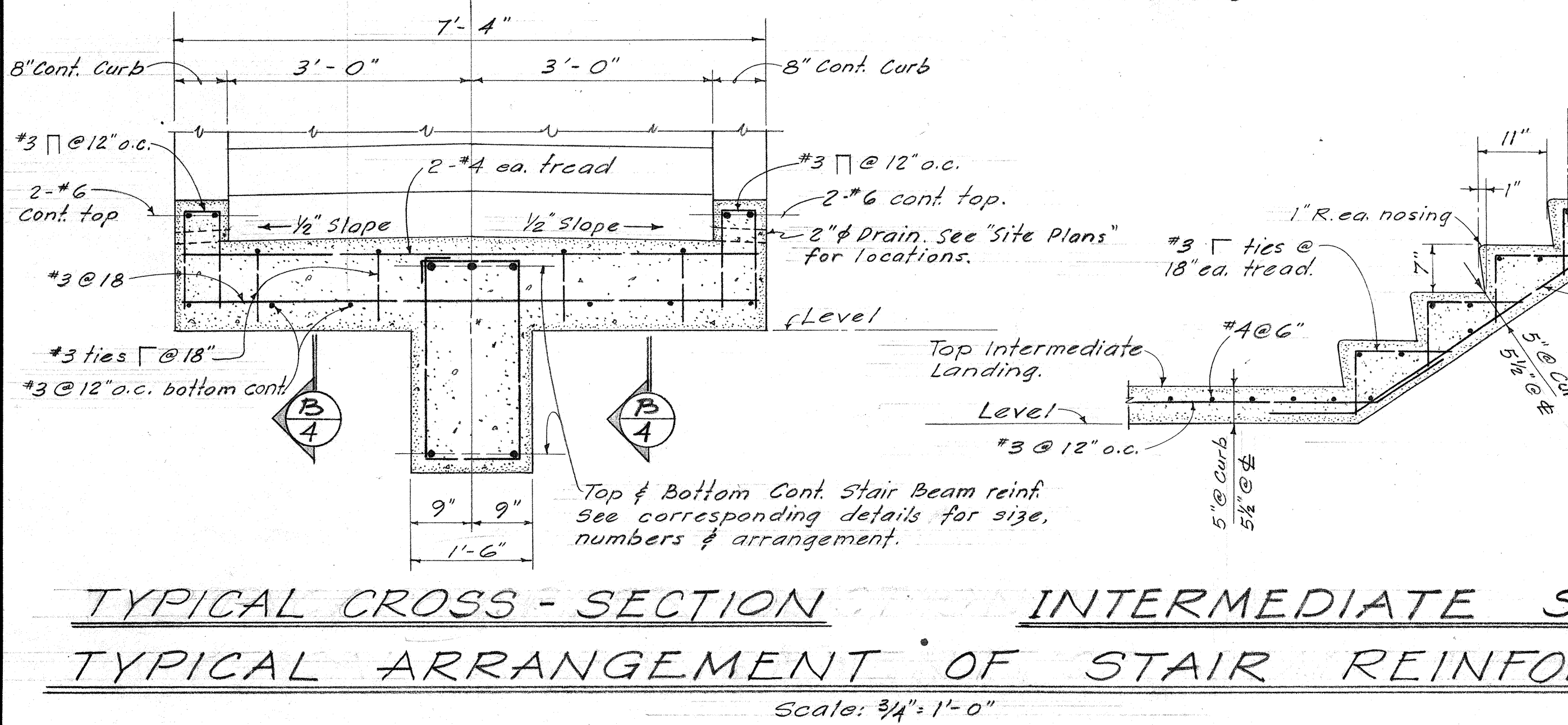
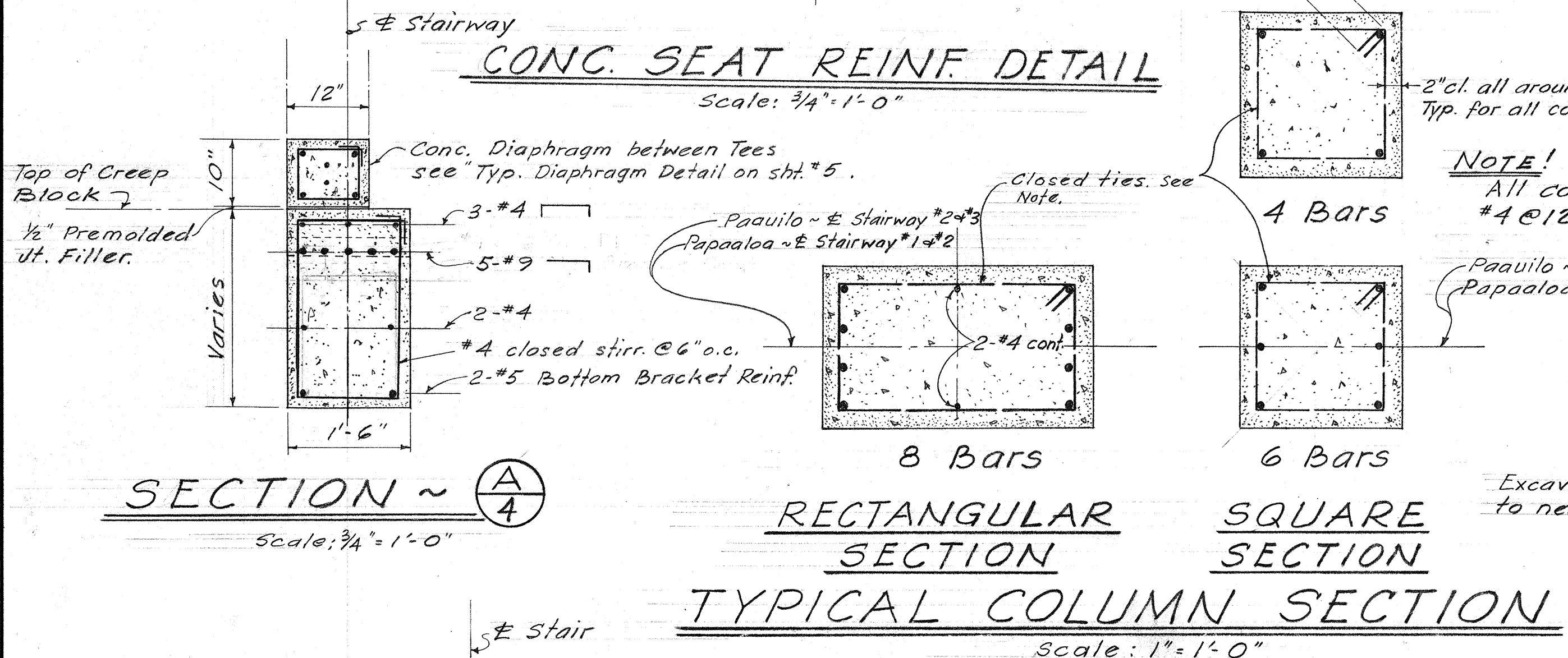
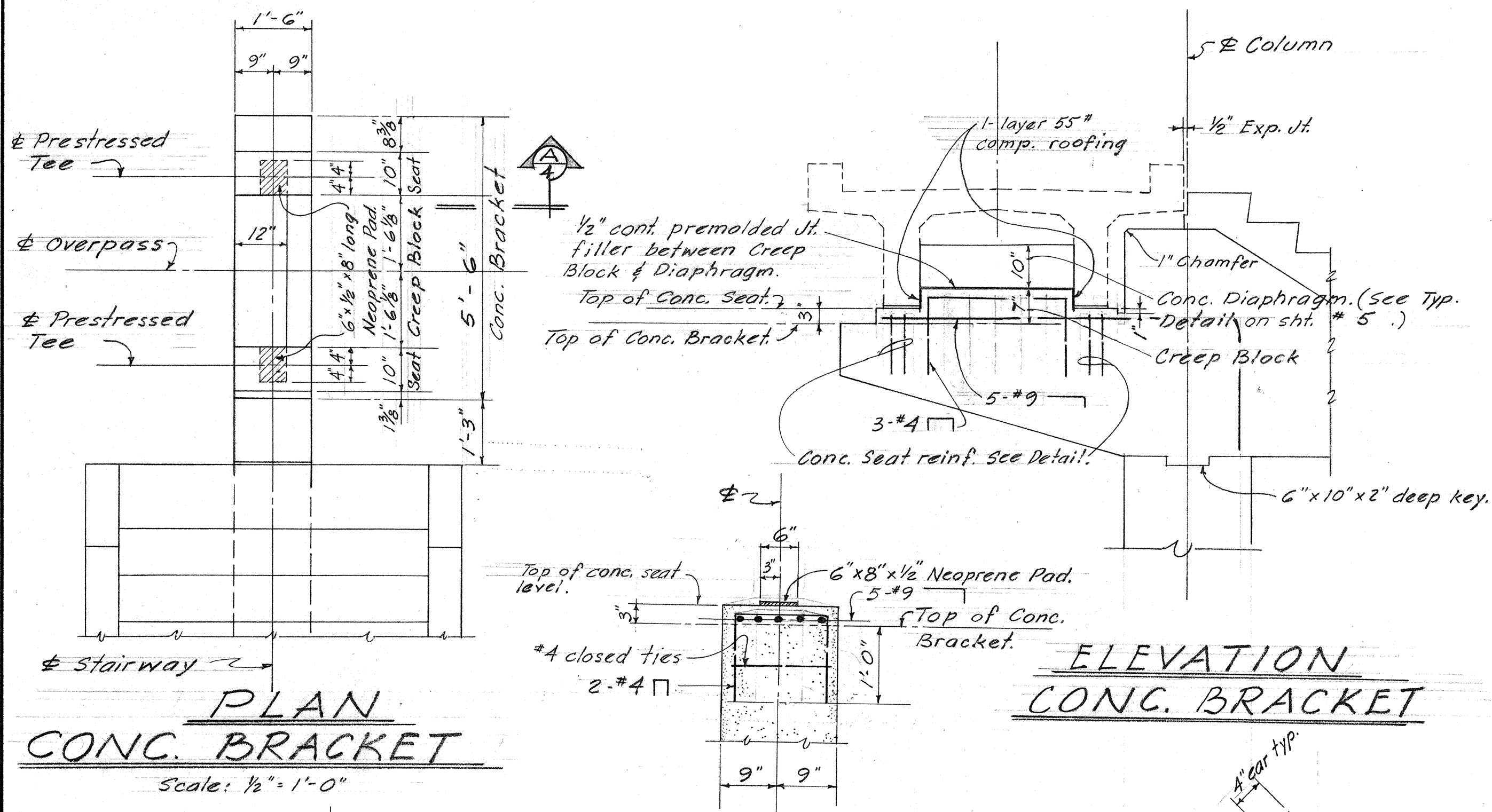
Finish - See Standard Specifications for finish except as noted on Normal Section on sheet #5. Top surface of deck, stairs and landings shall have a rough wearing surface produced by sprinkling uniformly $\frac{1}{4}$ lb./sq. ft. of #3-#16 size Aluminum oxide on fresh concrete and finished with a wood trowel. This item is incidental to Class A-1 concrete and will not be paid for separately. All exposed edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.

Repairs to Galvanizing on Pipe Railings - See Sect. 4.4.3 (1) of Special Provisions.

Details - Typical Details as shown on sheet #3, #4, #5 & #6, refer to the two overpass structures in general, except for such modifications as may be required. For such modifications, see corresponding detail sheets.

COLUMN SCHEDULE					PAAUILO				
COLUMN N ^o	1	2	3	4	1	2	3	4	5
Column Size and Col. vert. reinf. size and numbers.	18"x18" 6-#9	18"x30" 8-#9	18"x30" 8-#9	18"x18" 6-#9	18"x18" 4-#9	18"x18" 6-#9	18"x30" 8-#9	18"x30" 8-#9	18"x18" 6-#9
Top of Footing Elev.	294.0	294.0	293.5	293.5	172.5	172.0	172.0	169.0	169.0
Dowels	6-#9	8-#9	8-#9	6-#9	4-#9	6-#9	8-#9	8-#9	6-#9
Footing Type	F-1	F-2	F-1	F-3	F-4	F-3	F-2	F-2	F-3

SPREAD FOOTING SCHEDULE					
TYPE	FOOTING SIZE			BOTTOM REINF.	
	LENGTH	WIDTH	DEPTH	LONG BAR	SHORT BAR
F-1	8'-0"	5'-0"	1'-6"	11-#5	7-#5
F-2	10'-0"	6'-0"	1'-6"	11-#6	11-#5
F-3	7'-0"	5'-0"	1'-6"	8-#5	8-#4
F-4	5'-0"	3'-0"	1'-6"	6-#4	4-#4



PAPAALOA BORING DATA

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

COLUMN, FOOTING SCHEDULES and TYPICAL DETAILS

Hawaii Belt Road
 May, 1963

G-19-01-63
 H-19-01-63

SHEET No. 4 OF 6 SHEETS