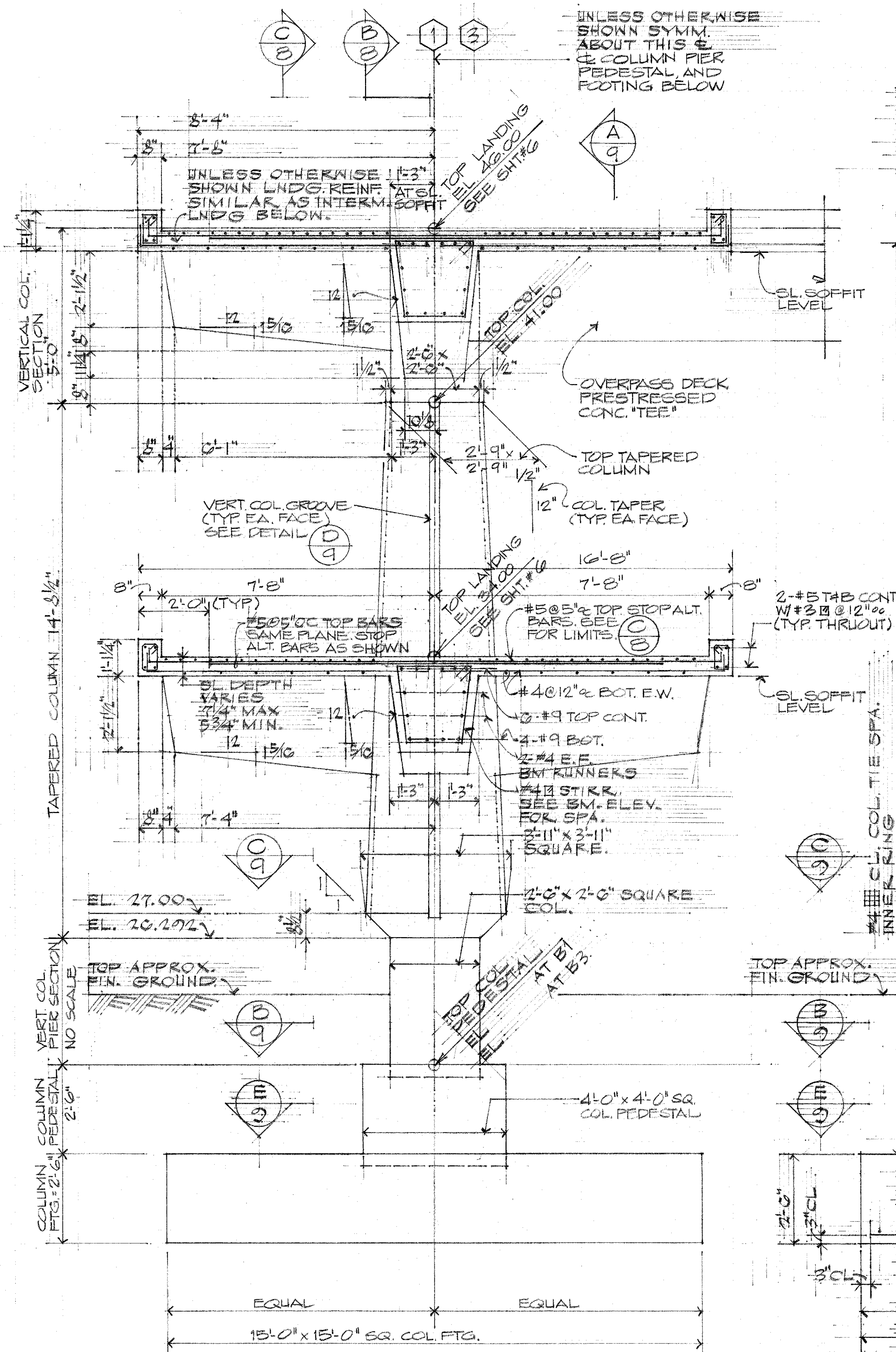


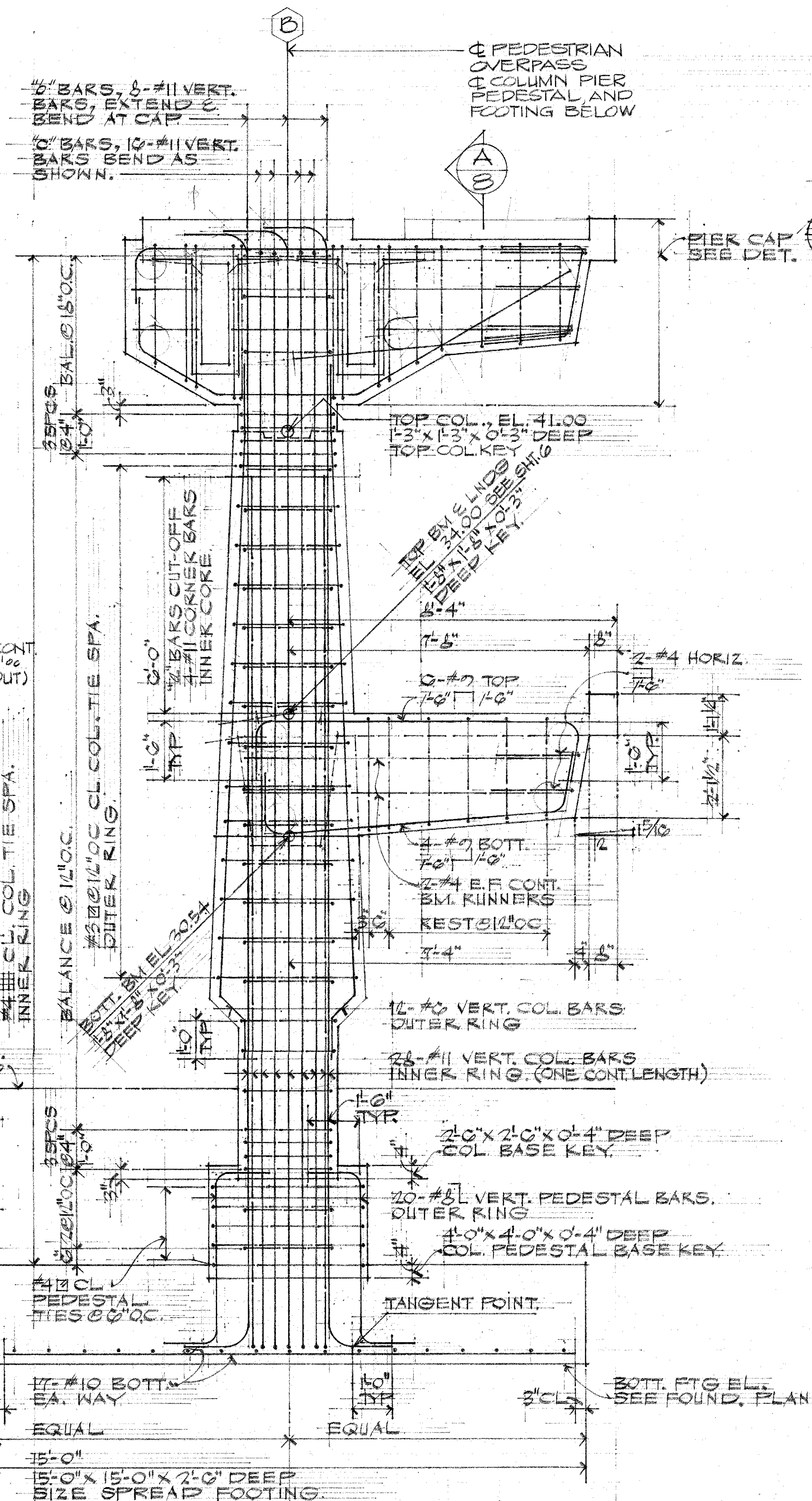
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-70	1970	8	19



LANDING SECTION & COLUMN B-1 DETAIL

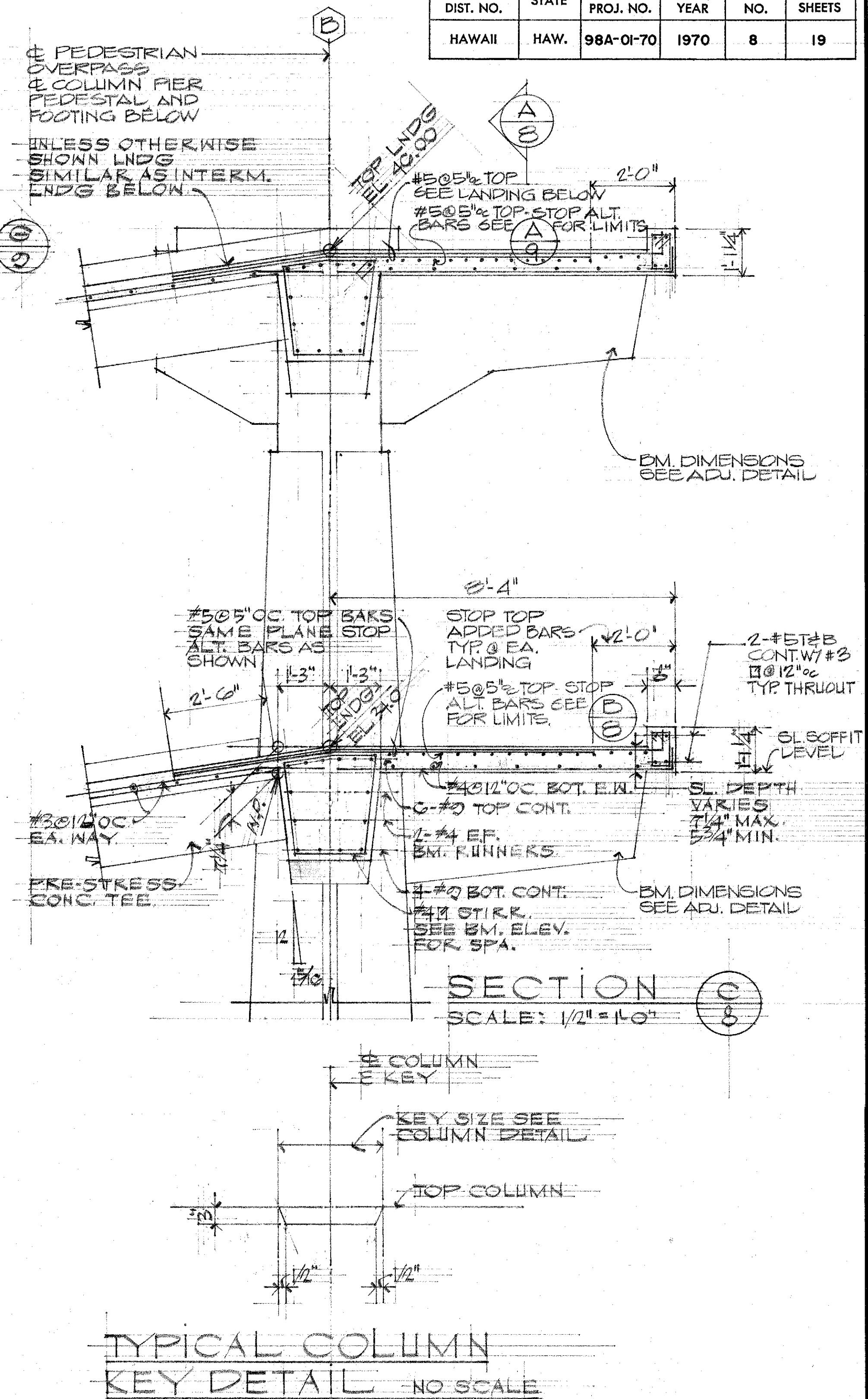
SCALE: $\frac{1}{2}" = 1'-0"$

(COLUMN B-3 - SIMILAR EXCEPT OPPOSITE HAND
AND/OR AS OTHERWISE NOTED.)



TYPICAL COLUMN B1 B3 DETAIL B
8

SCALE: 1/2" = 1'-0"



TYPICAL COLUMN
KEY DETAIL NO SCALE

THIS WORK WAS PREPARED
BY ME OR UNDER MY
SUPERVISION,

Abner T. De

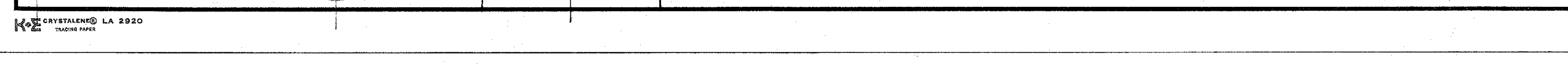
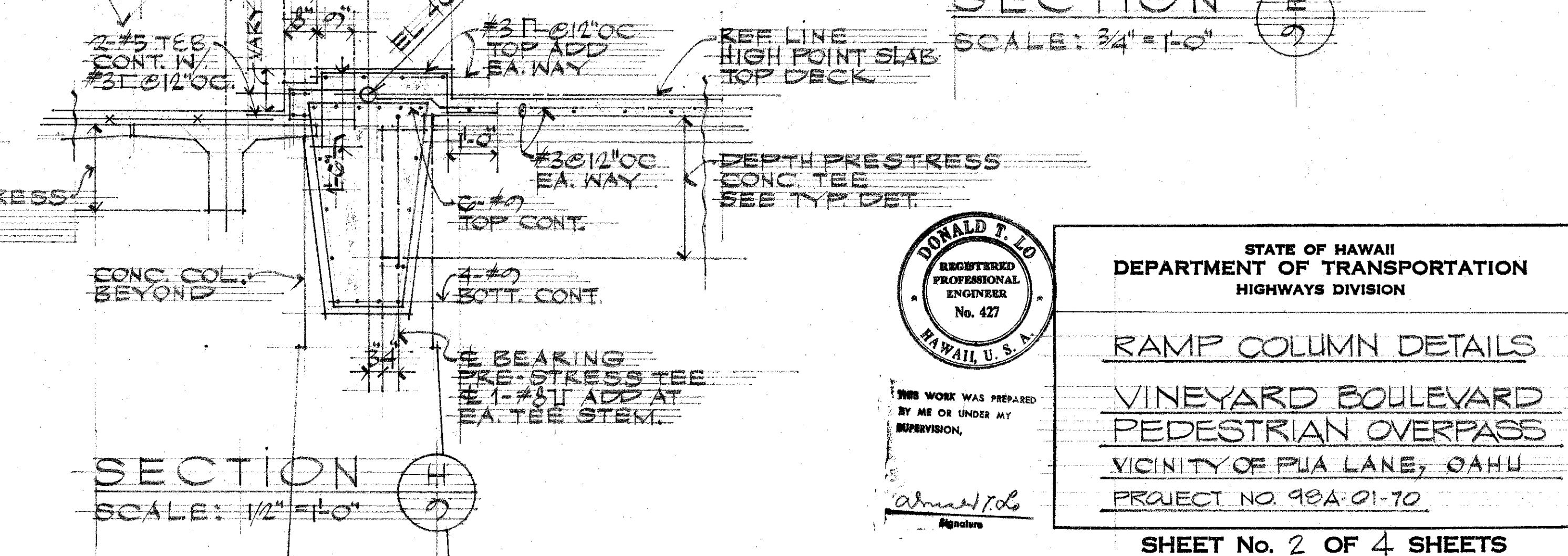
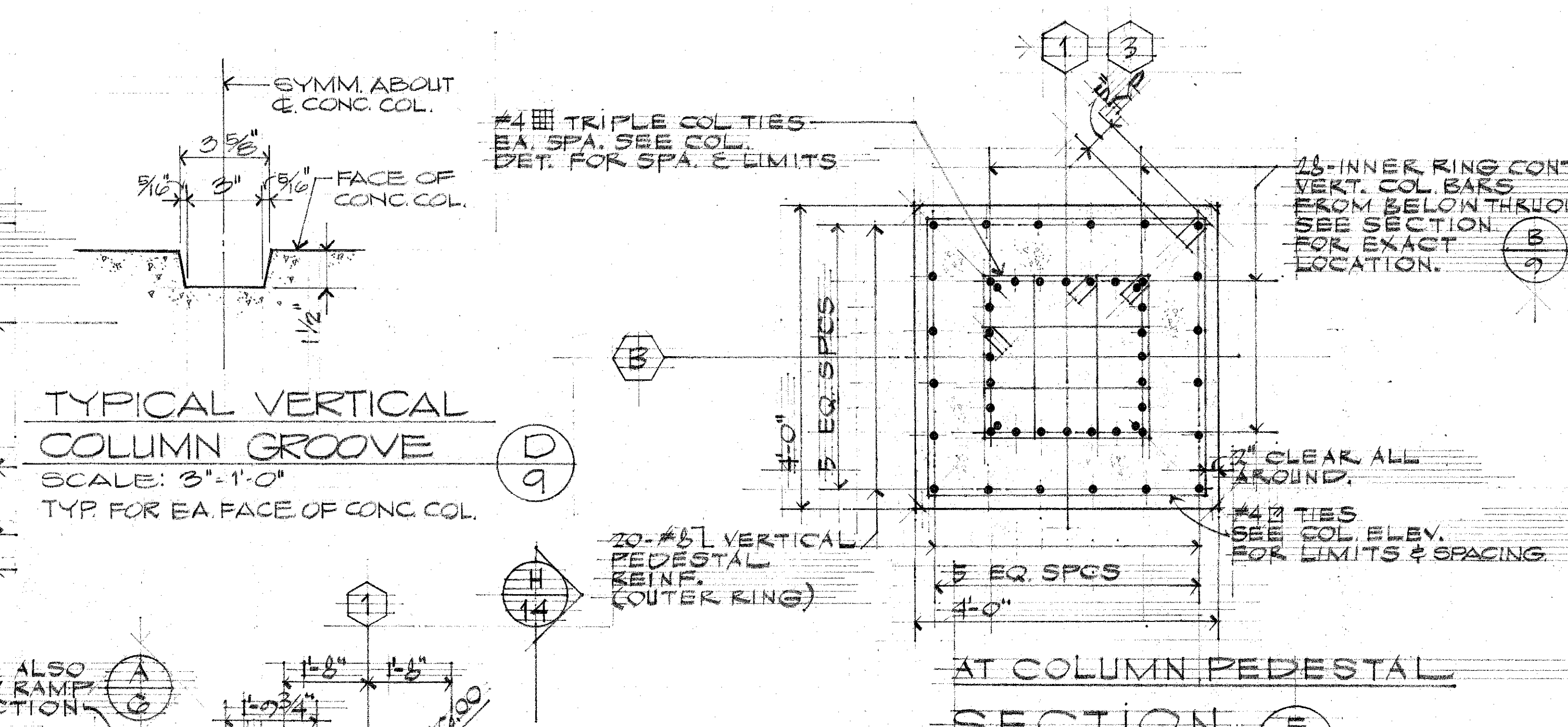
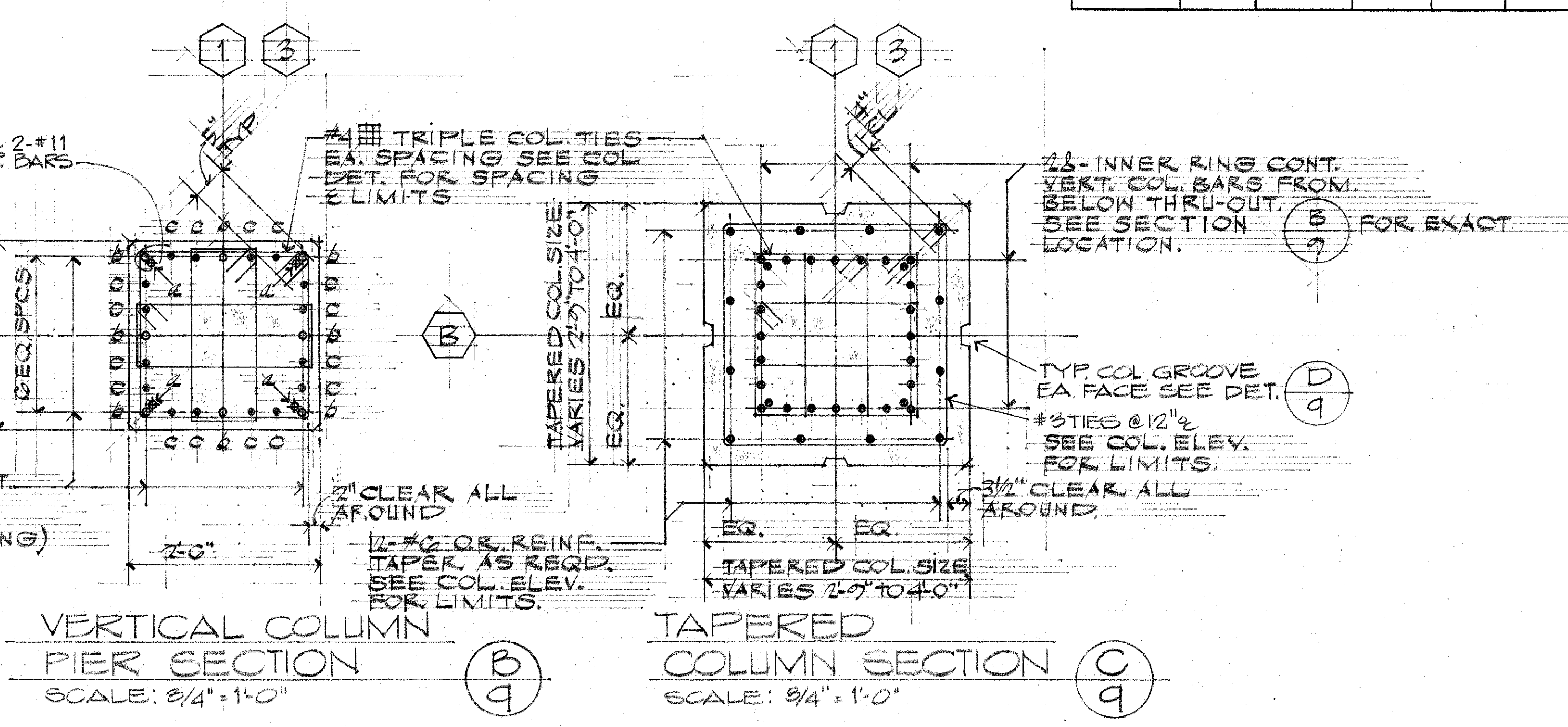
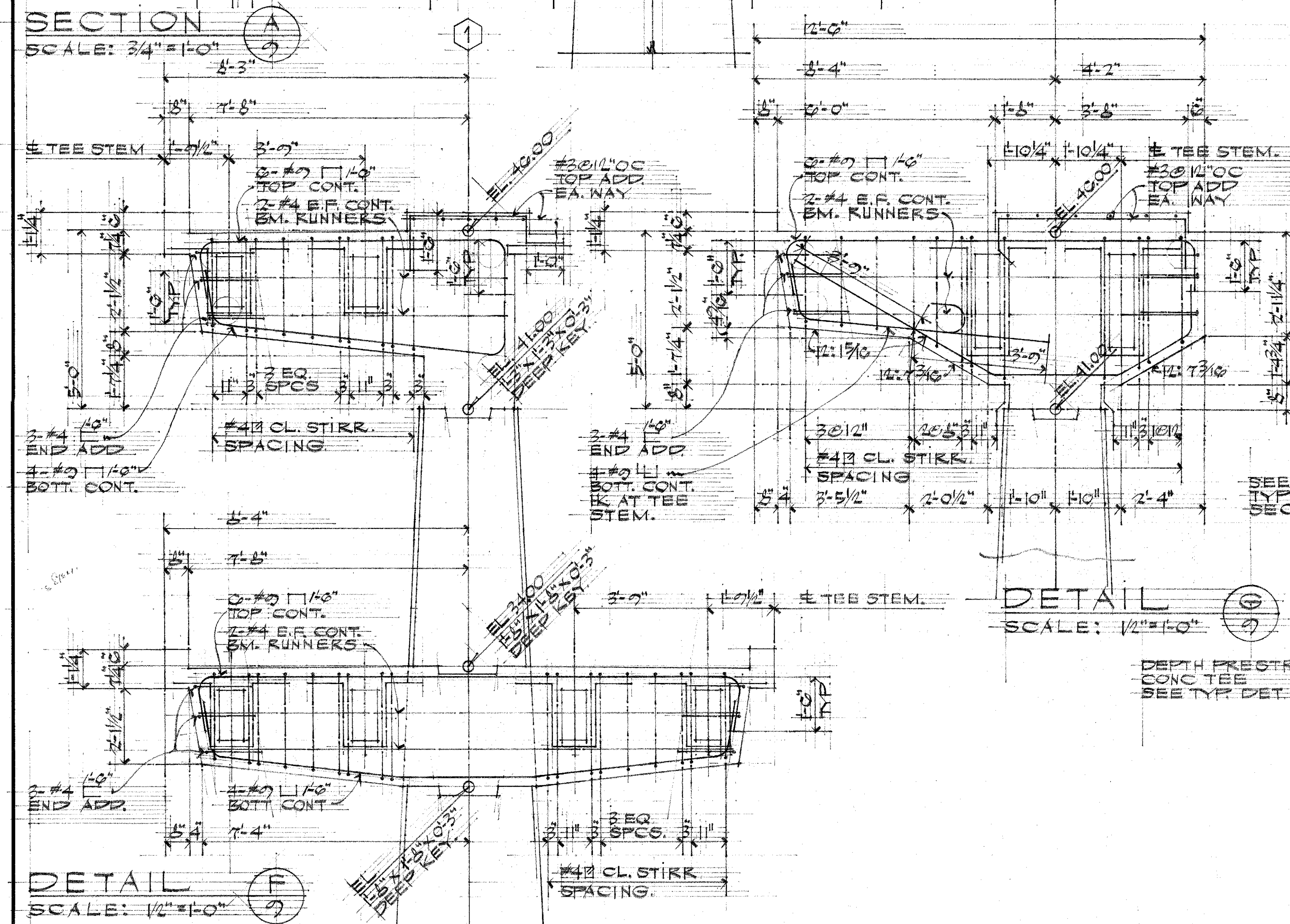
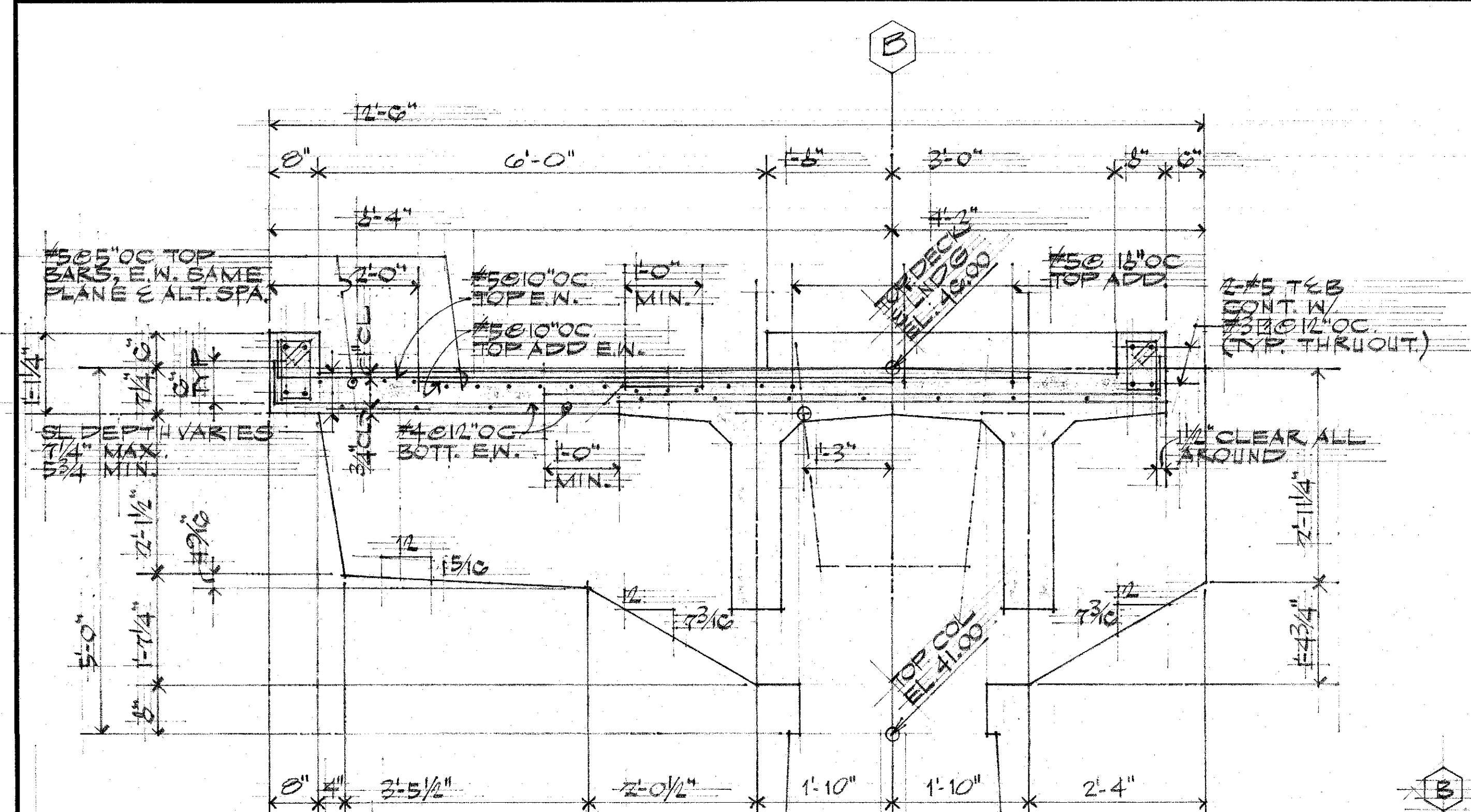
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

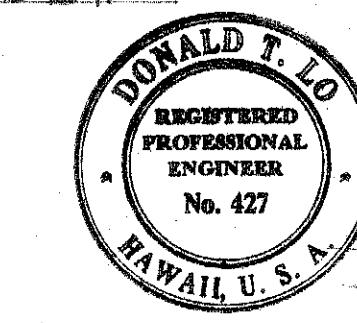
RAMP COLUMN DETAILS
VINEYARD BOULEVARD
PEDESTRIAN OVERPASS
VICINITY OF PUA LANE, OAHU
PROJECT NO 98A-01-70

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-70	1970	9	19



DATE	.....
SURVEY PLOTTED BY	.....
DRAWN BY	.....
TRACED BY	.....
NOTED BY	.....
CHECKED BY	.....
NO.	.....

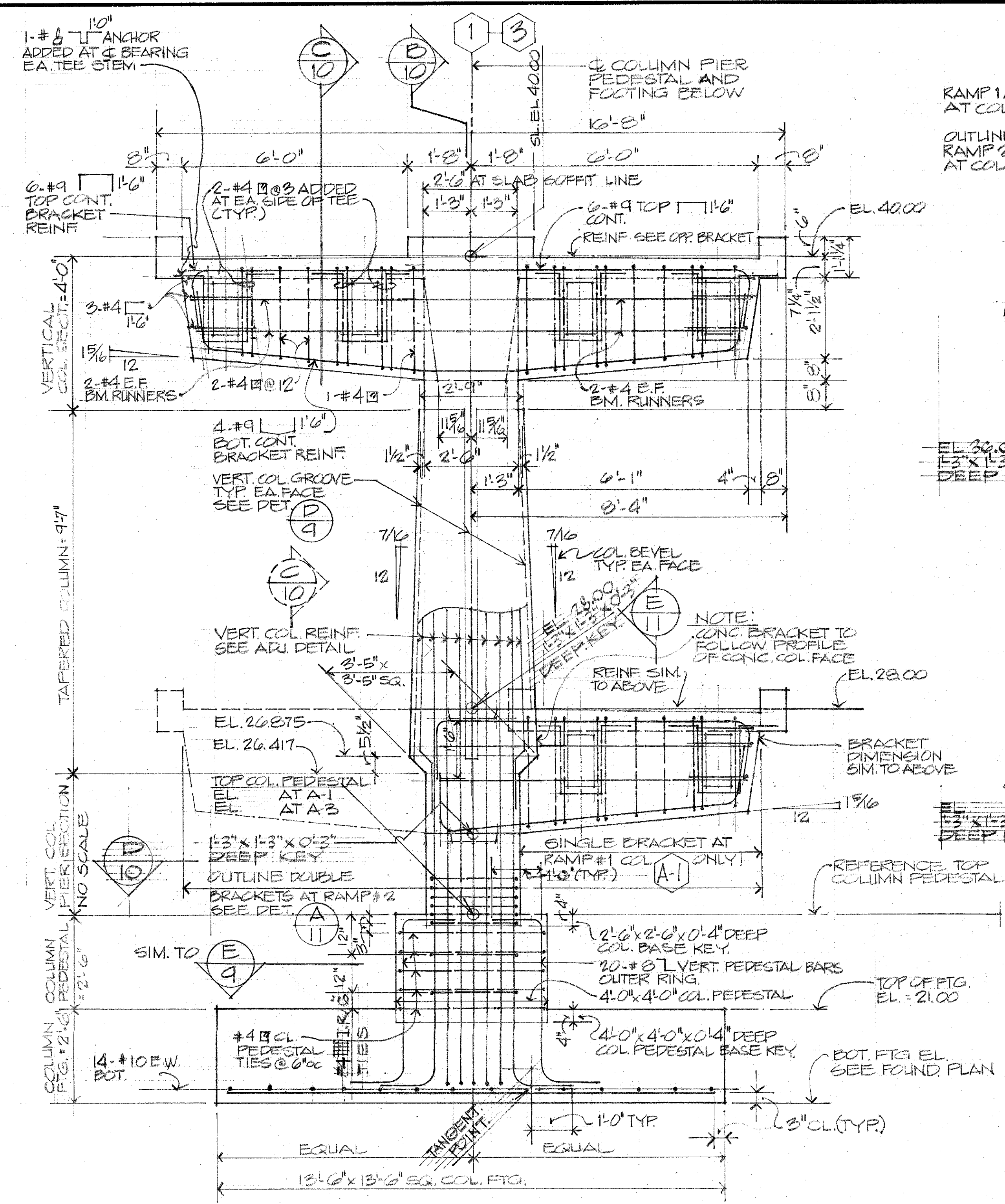


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

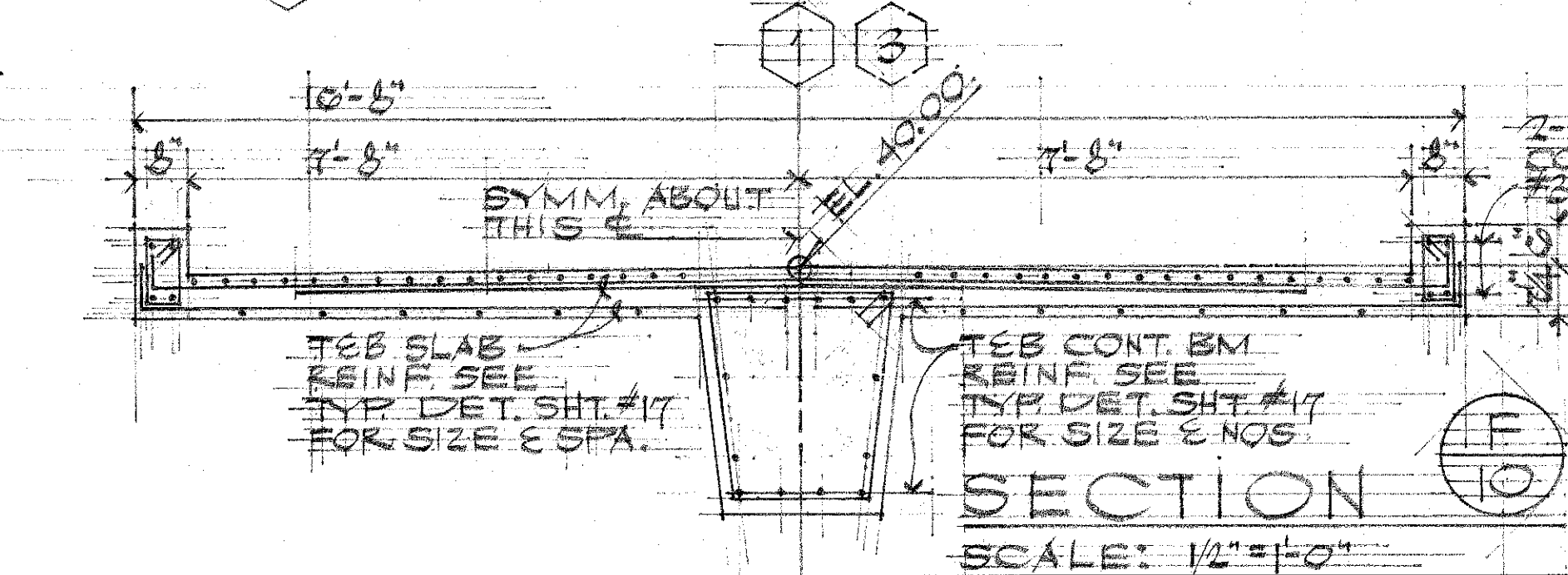
RAMP COLUMN DETAILS
VINEYARD BOULEVARD
PEDESTRIAN OVERPASS
VICINITY OF PUA LANE, OAHU
PROJECT NO. 98A-01-70

SHEET No. 2 OF 4 SHEETS

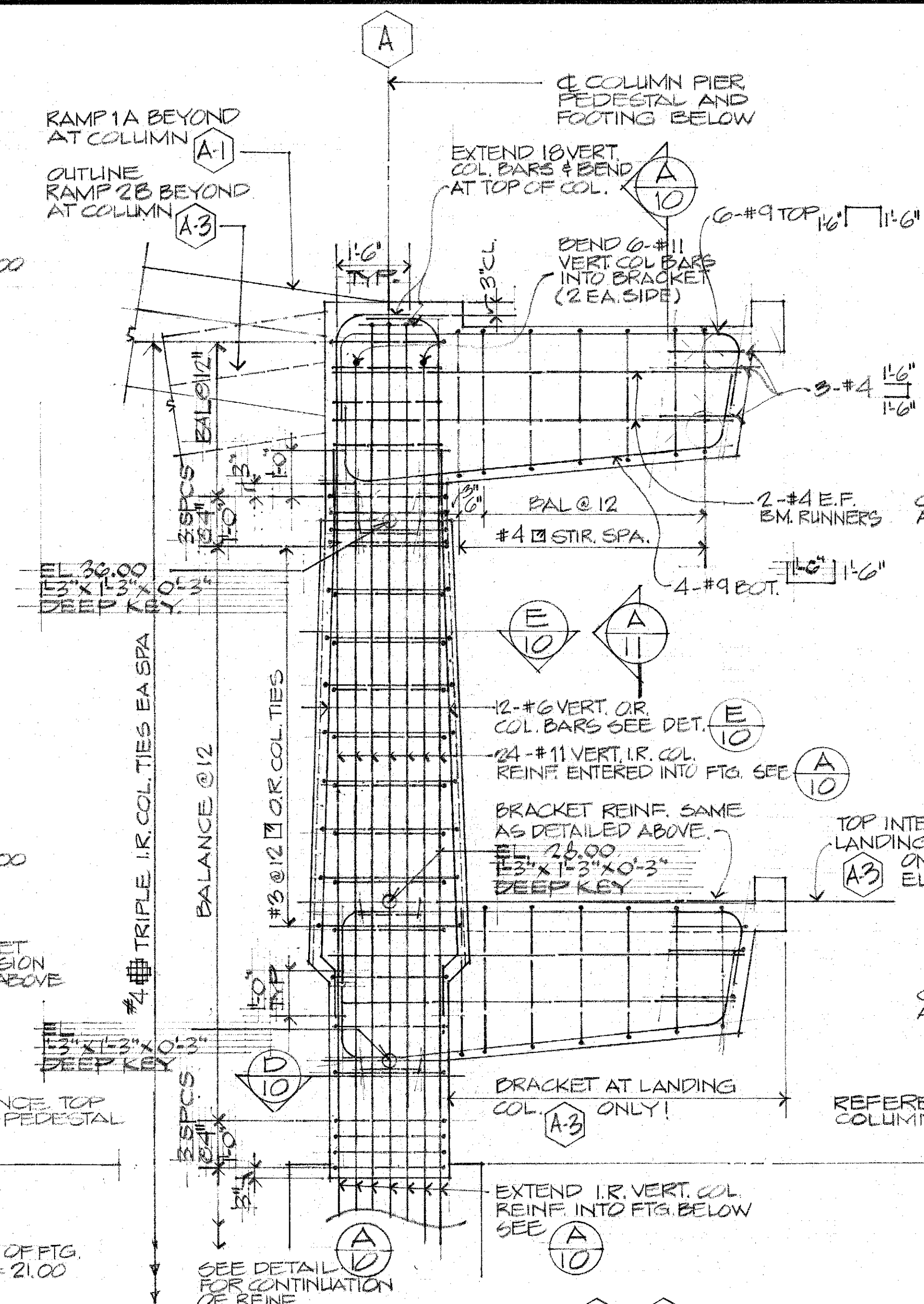
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-70	1970	10	19



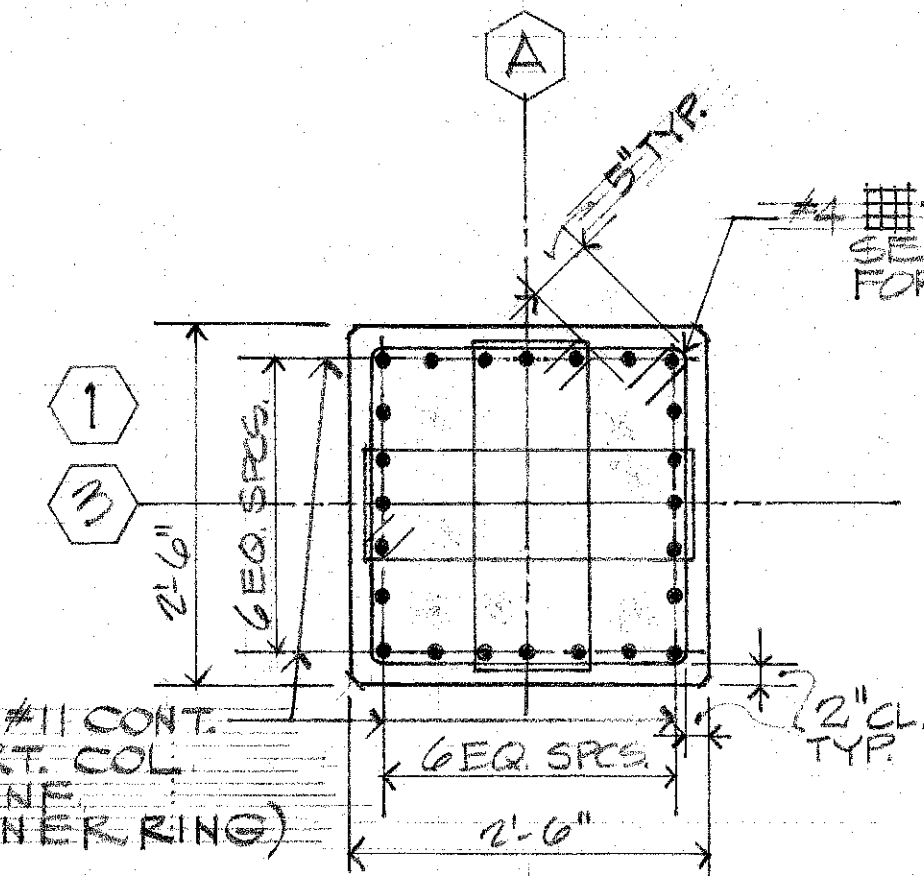
LANDING SECTION & COLUMN **A-1** **DETAIL** **A-10**
 SCALE: 1/2" = 1'-0"
 (COLUMN **A-3** SIMILAR EXCEPT AS OTHERWISE NOTED)



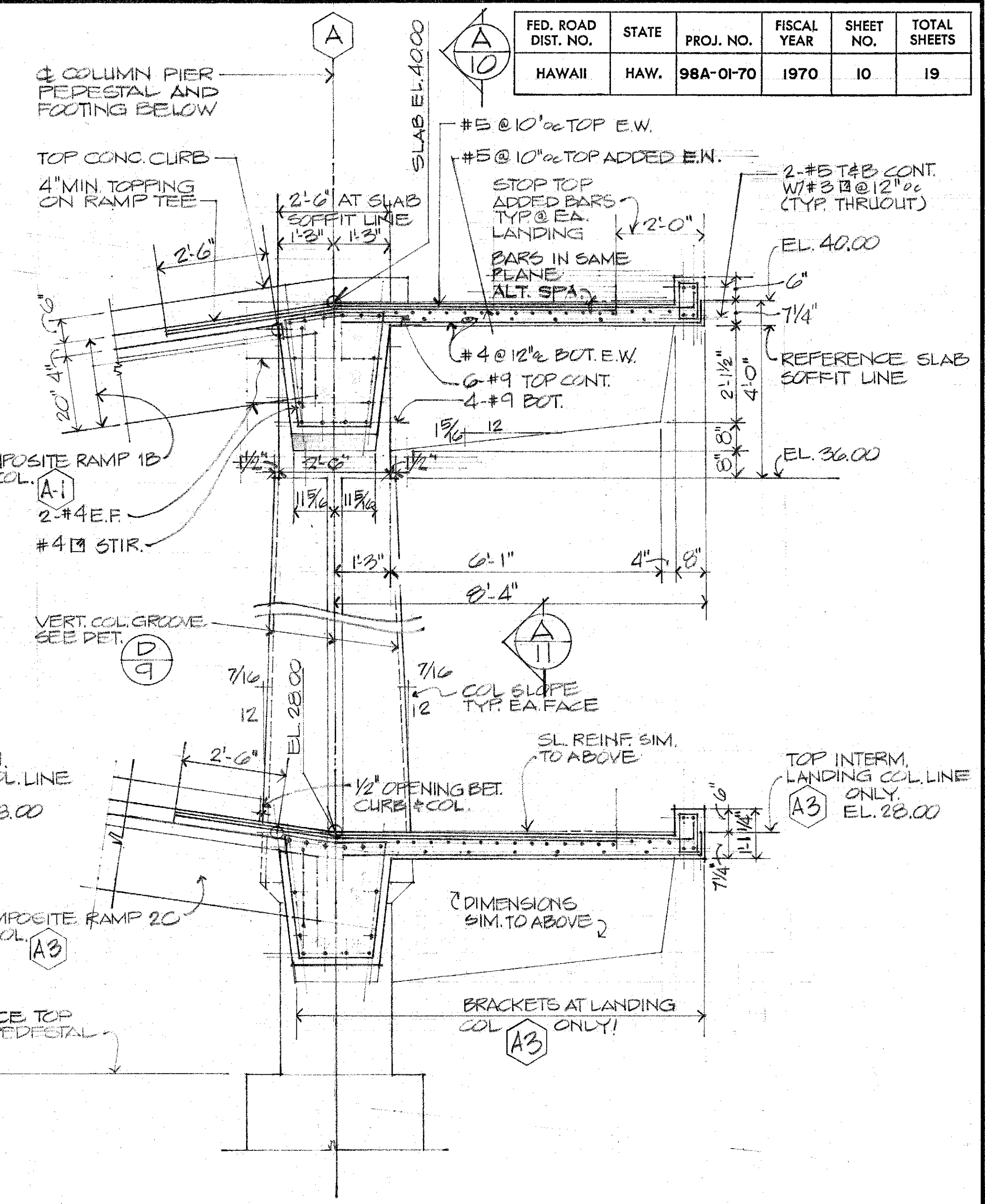
SECTION **F-10**
 SCALE: 1/2" = 1'-0"



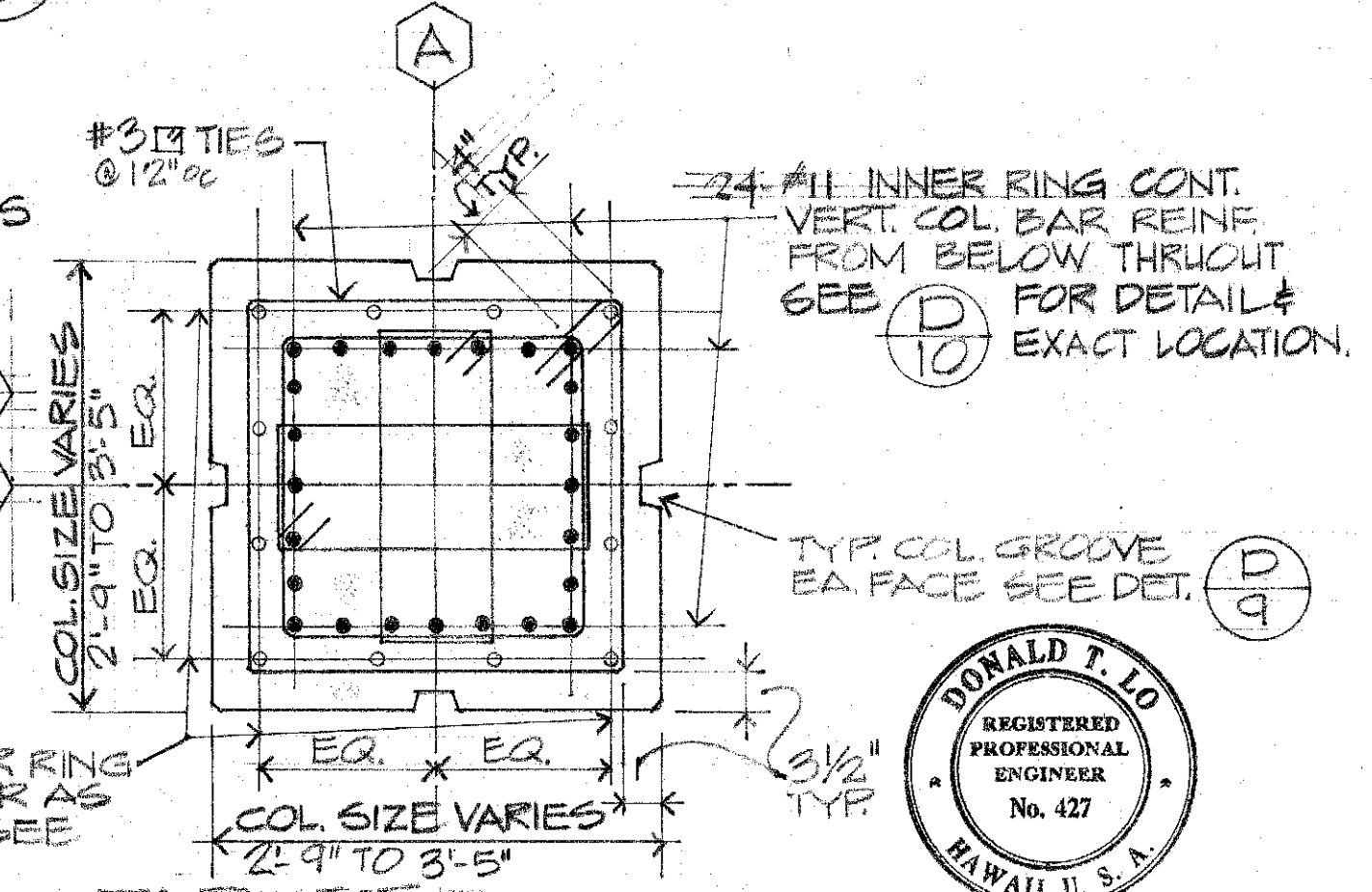
TYPICAL COLUMN **A-1** **A-3** **REINFORCEMENT DETAIL** **B-10**
 SCALE: 1/2" = 1'-0"



VERTICAL COLUMN **PIER SECTION** **D-10**
 SCALE: 3/4" = 1'-0"
 SHOWING INNER RING REINF.

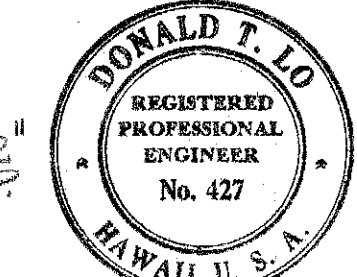


SECTION **C-10**
 SCALE: 1/2" = 1'-0"



TAPERED **COLUMN SECTION** **E-10**
 SCALE: 3/4" = 1'-0"
 SHOWING OUTER RING REINF.

DATE	
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NOTES BY	
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NO.	

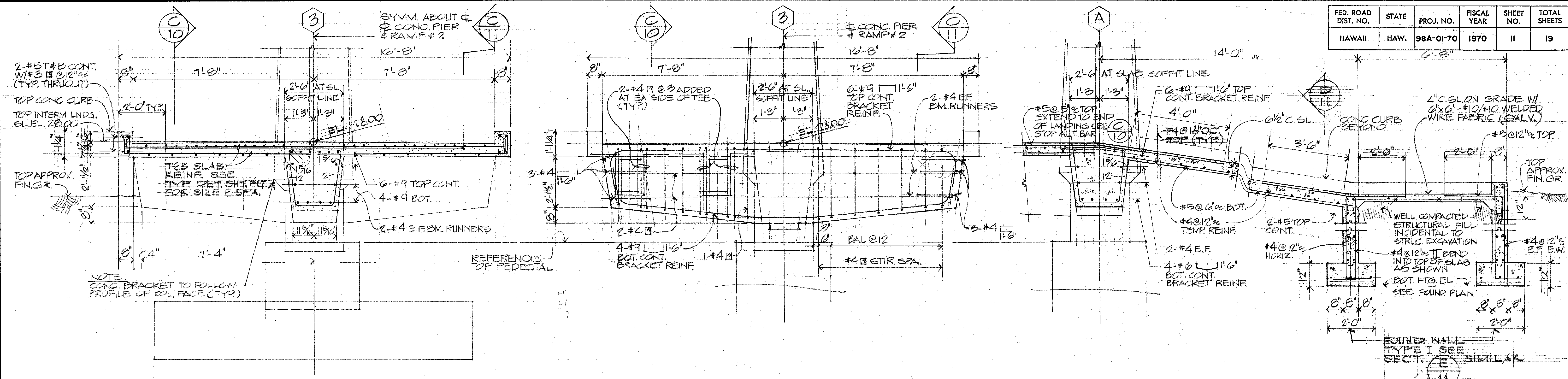


STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

RAMP COLUMN DETAILS
 VINEYARD BOULEVARD
 PEDESTRIAN OVERPASS
 VICINITY OF PUA LANE, OAHU
 PROJECT NO. 98A-01-70

SHEET No. 3 OF 4 SHEETS

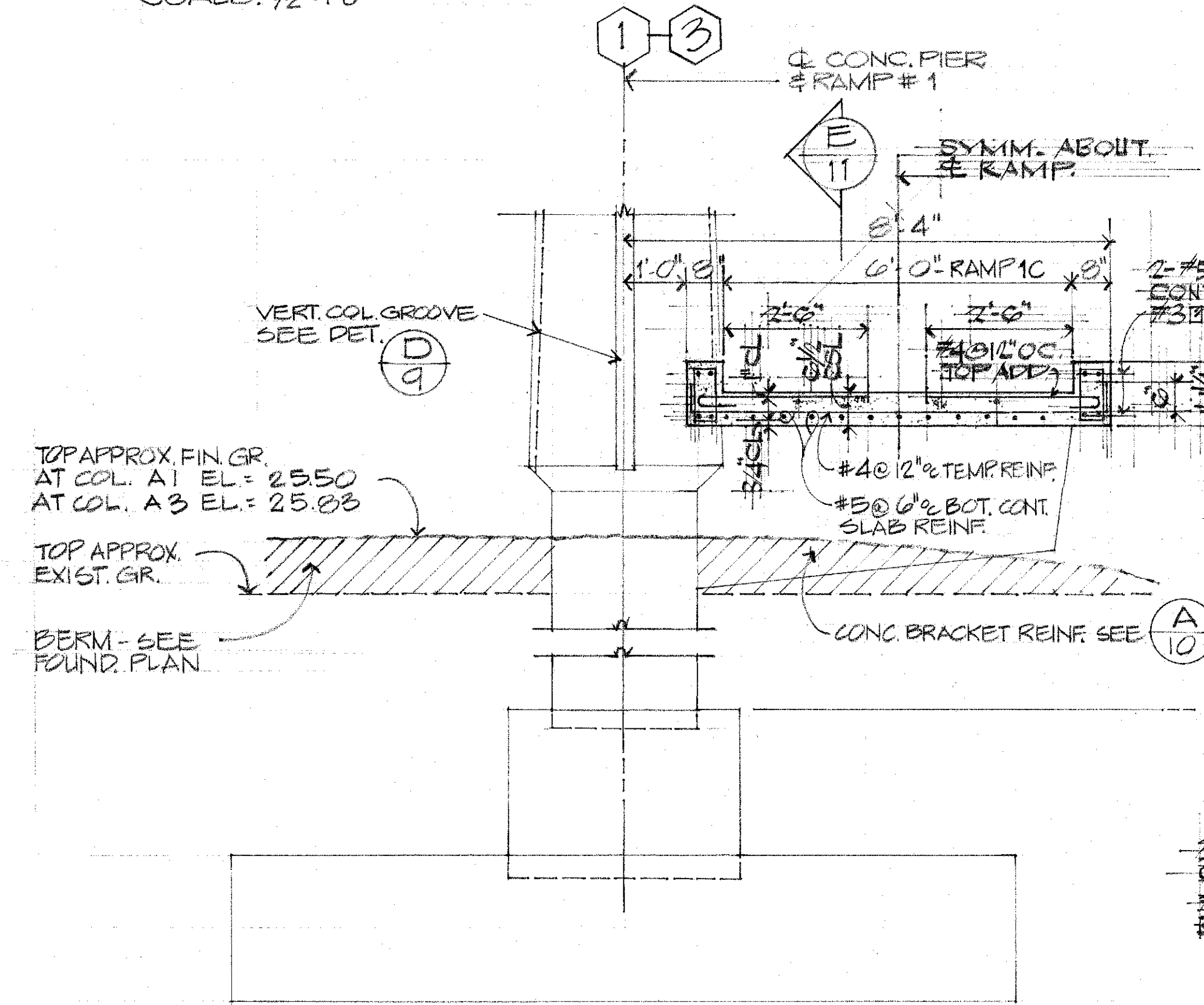
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	98A-01-70	1970	11	19



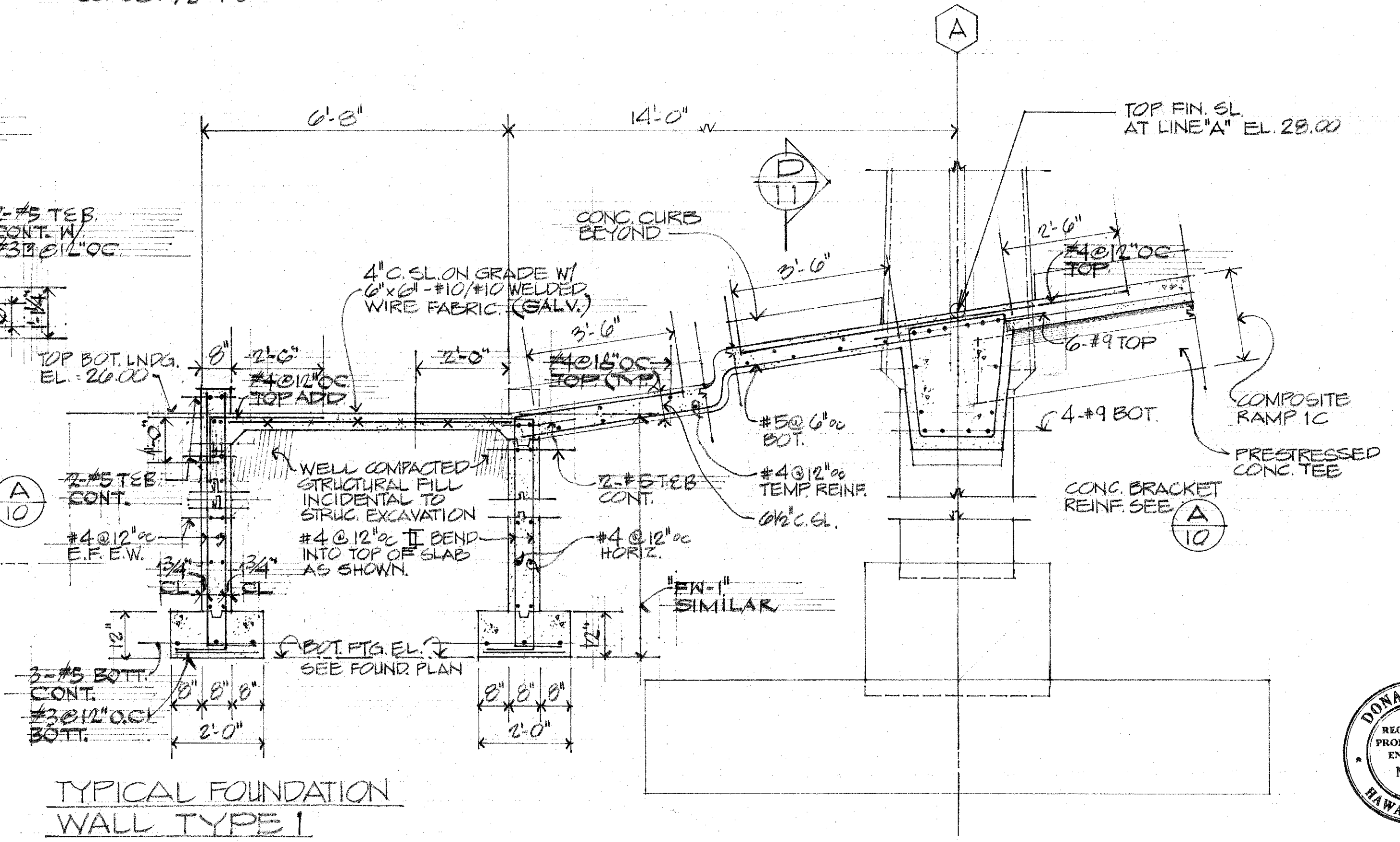
LANDING SECTION AT COLUMN A3
SHOWING LANDING SLAB REINFORCEMENT
SCALE: 1/2" = 1'-0"

LANDING SECTION AT COLUMN A3
SHOWING CONCRETE BRACKET REINFORCEMENT
SCALE: 1/2" = 1'-0"

SECTION THRU RAMP AT COLUMN A3
SCALE: 1/2" = 1'-0"



RAMP SECTION AT COLUMN A1
SCALE: 1/2" = 1'-0"



TYPICAL FOUNDATION WALL TYPE I

SECTION THRU RAMP AT COLUMN A1
SCALE: 1/2" = 1'-0"

DATE	.....
SURVEY PLOTTED BY	.....
DRAWN BY	.....
TRACED BY	.....
NOTED BY	.....
CHECKED BY	.....
NO.	.....



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RAMP COLUMN DETAILS
VINEYARD BOULEVARD
PEDESTRIAN OVERPASS
VICINITY OF PUA LANE, OAHU
PROJECT NO. 98A-01-70

SHEET No. 4 OF 4 SHEETS