

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-100	1966	193	200

GENERAL NOTES

MATERIALS

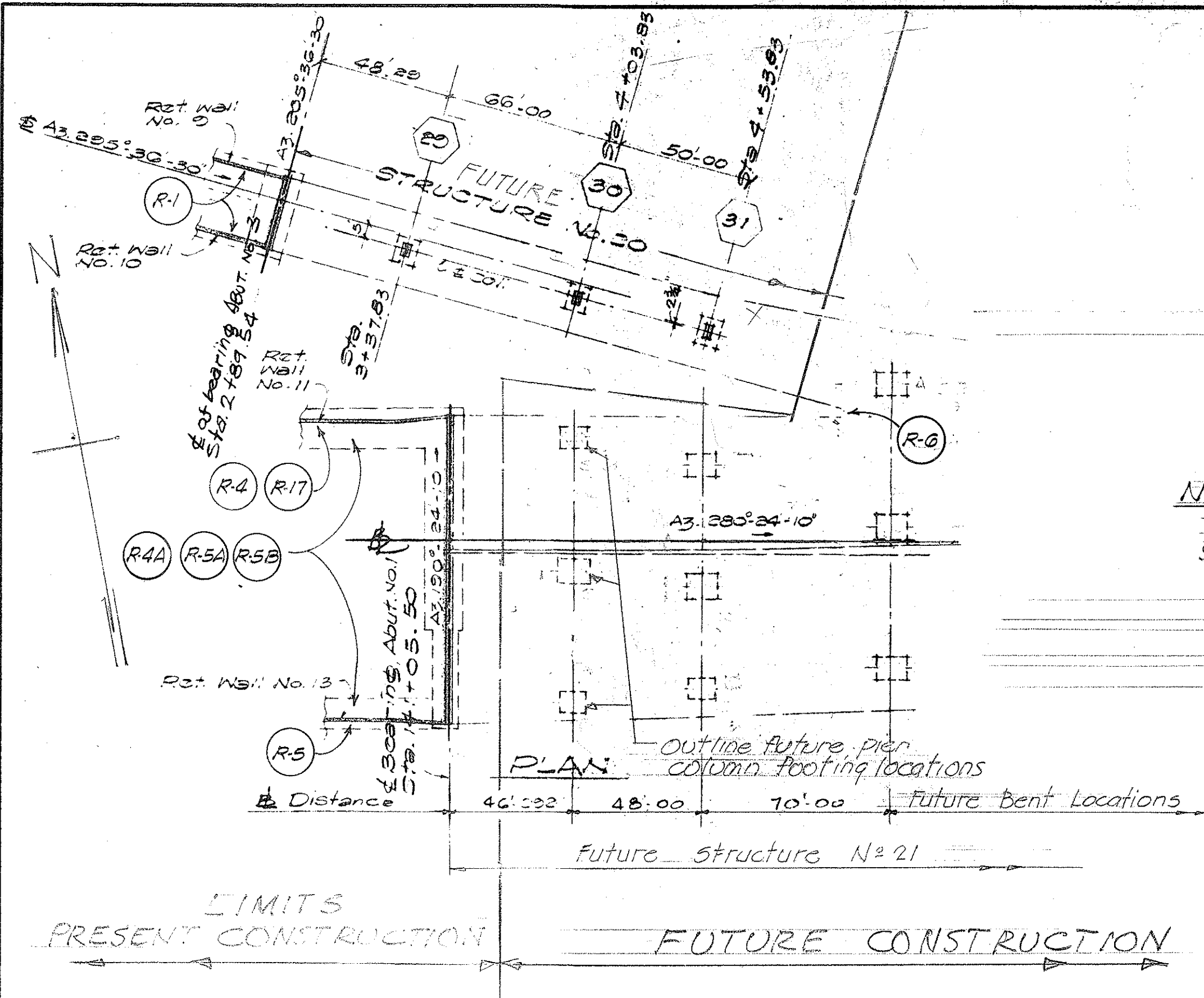
- All concrete shall be Class A-1.
- Concrete clear cover for reinforcing bars shall be as follows unless noted otherwise:
 - 1 1/2" for stirrups on sides of beams.
 - 2" for formed walls.
 - 2" to stirrups of columns.
 - 3" for Footings
- All concrete seats shall be poured monolithically with Abutment structures and top surfaces of the concrete seats shall be finished with a steel trowel to a smooth level surface at the elevation shown on the plan.
- Reinforcing bars shall be detailed in accordance with ACI "Manual of Standard Practice for Detailing Reinforced Concrete Highway Structures" unless noted otherwise.
- Reinforcing bars shall be securely tied at all intersections and lap splices and shall be held in place during pouring to maintain their proper locations as shown on plans.

CONSTRUCTION METHODS

- Sides of footings shall be excavated and poured to neat lines when called for on the plans. For excavation of bottom of footings see Standard Specifications. Over excavation beyond neat lines for sides of footings and the elevations indicated on the plans for the bottom of footings shall be backfilled with a minimum of Class D concrete at the Contractor's expense and as directed by the Engineer.
- Forms for all exposed surfaces of separation structures including retaining walls (except round columns) shall be plywood. Forms for round columns shall be made of material that results in a smooth finish and true dimensions as shown in the plans.

REFERENCE

- Refer to Standard Detailed drawing Shd. Nos. 200 & 203 for details and notes not covered by these drawings.



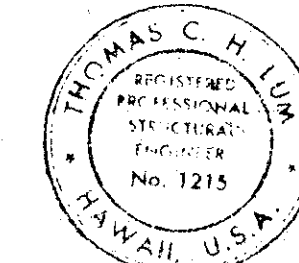
Note:
For Change Order see
Shd. #6A, #6B

FOOTING LAYOUT - KEY PLAN
ABUTMENT NOS 1 & 3 ; PIER COLUMN BENT LINES (29), (30), (31)
SCALE: 1" = 40'

ESTIMATED QUANTITIES

Class A-1 Concrete	Lump Sum	(474	c.y.)
Reinforcing Steel	Lump Sum	(56,520	lbs)
Structural Excavation		771	c.y.
Filter Material		157	c.y.

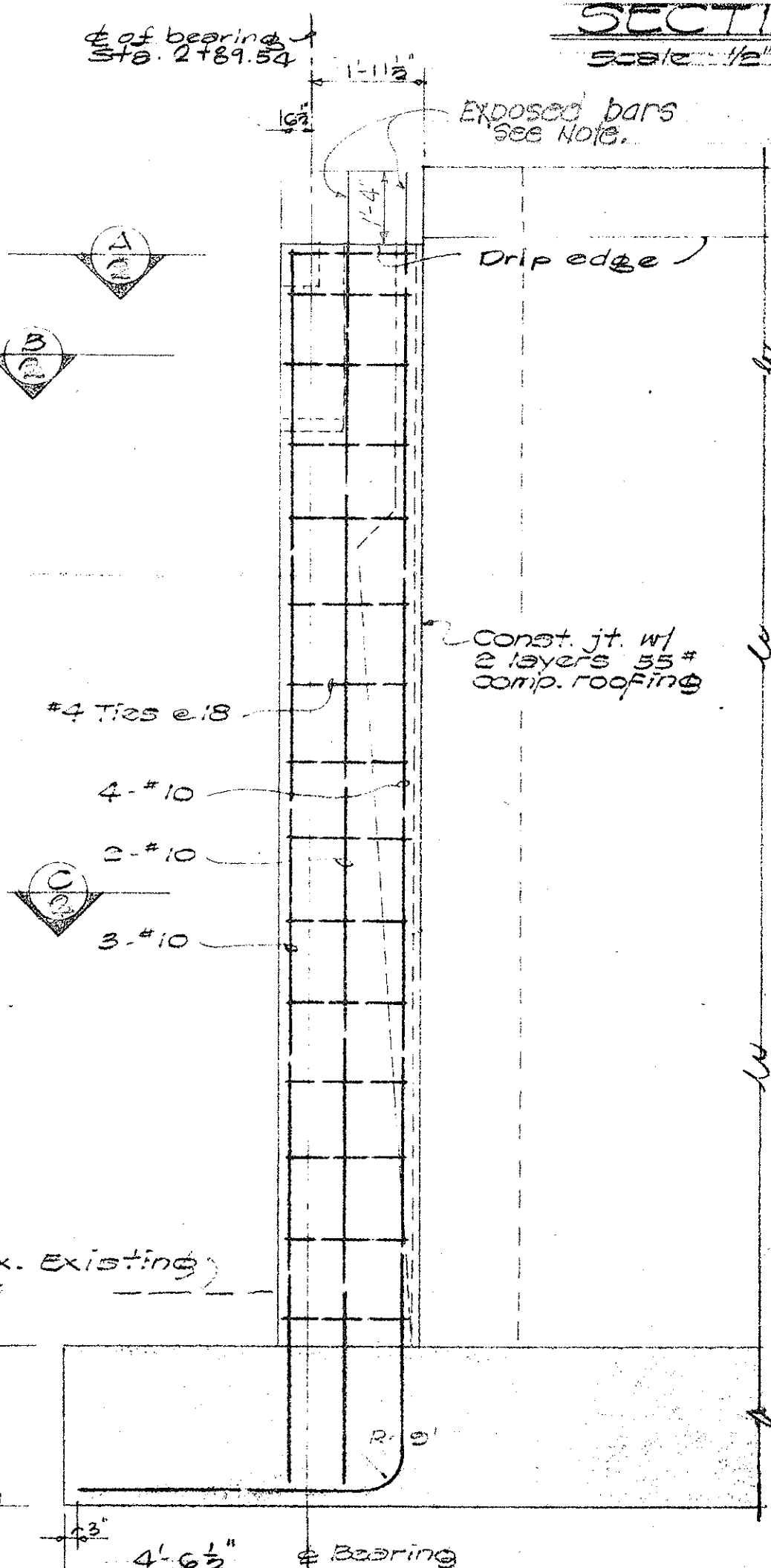
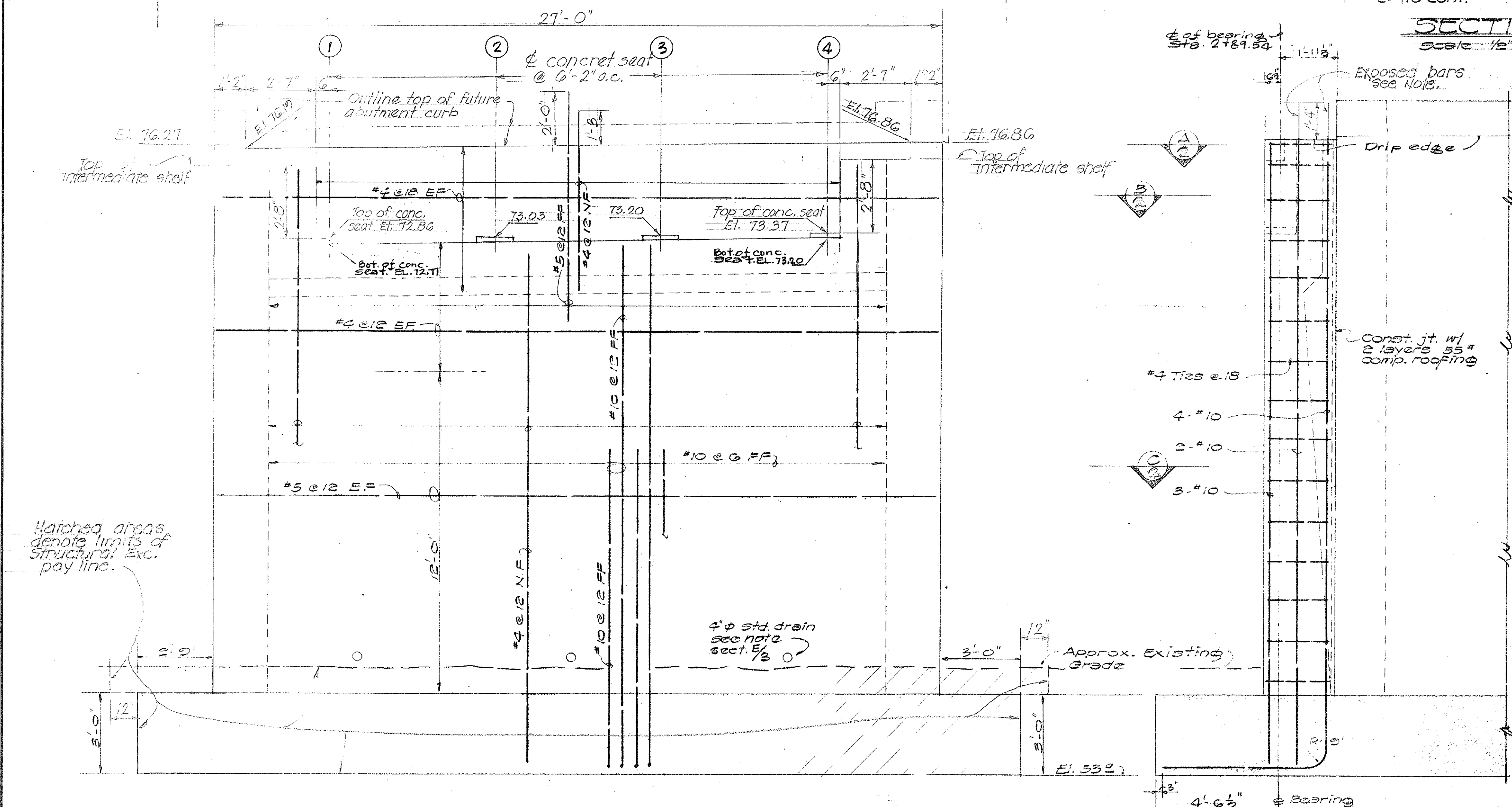
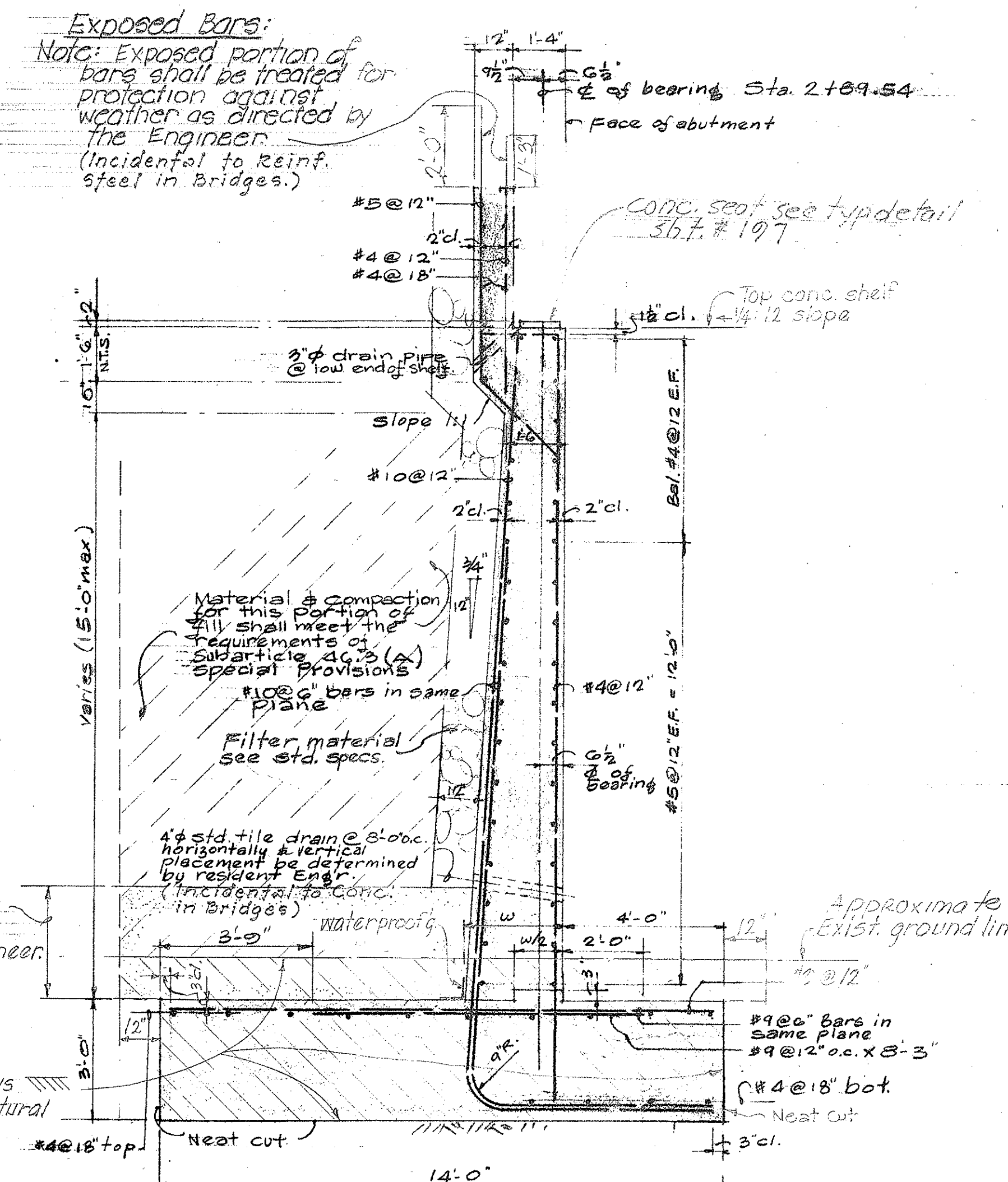
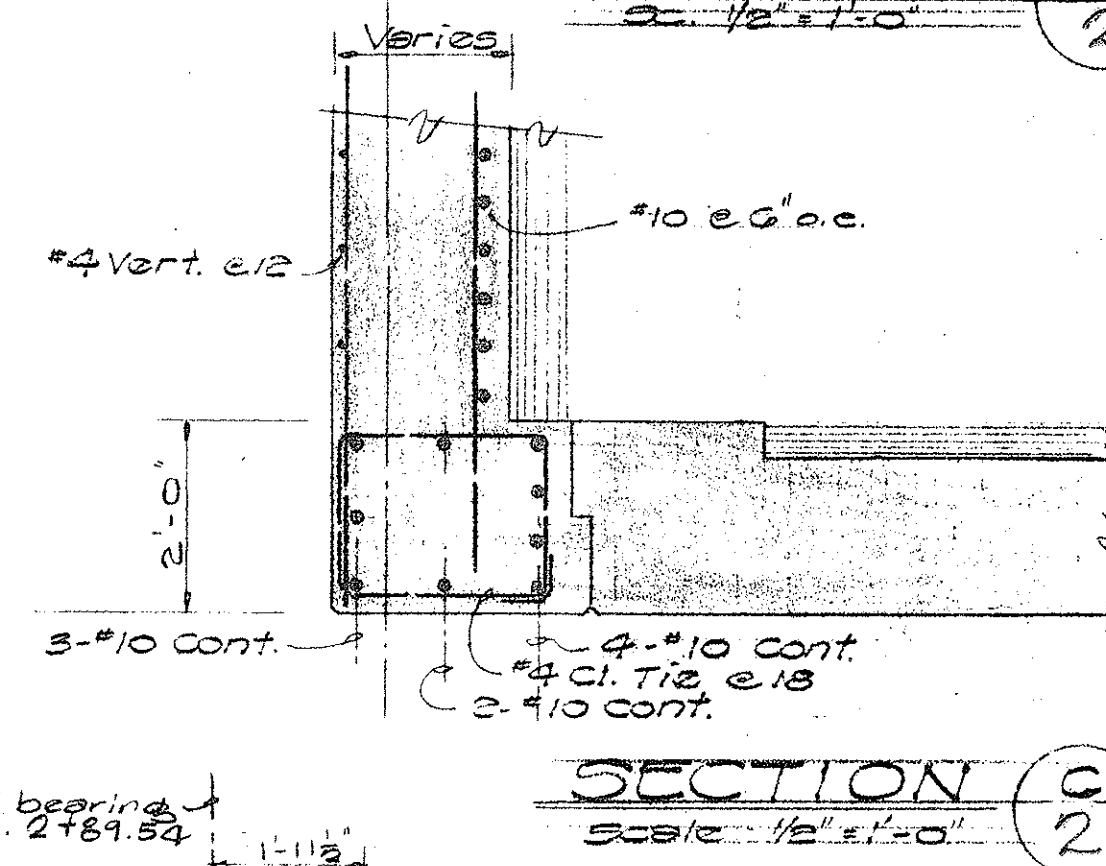
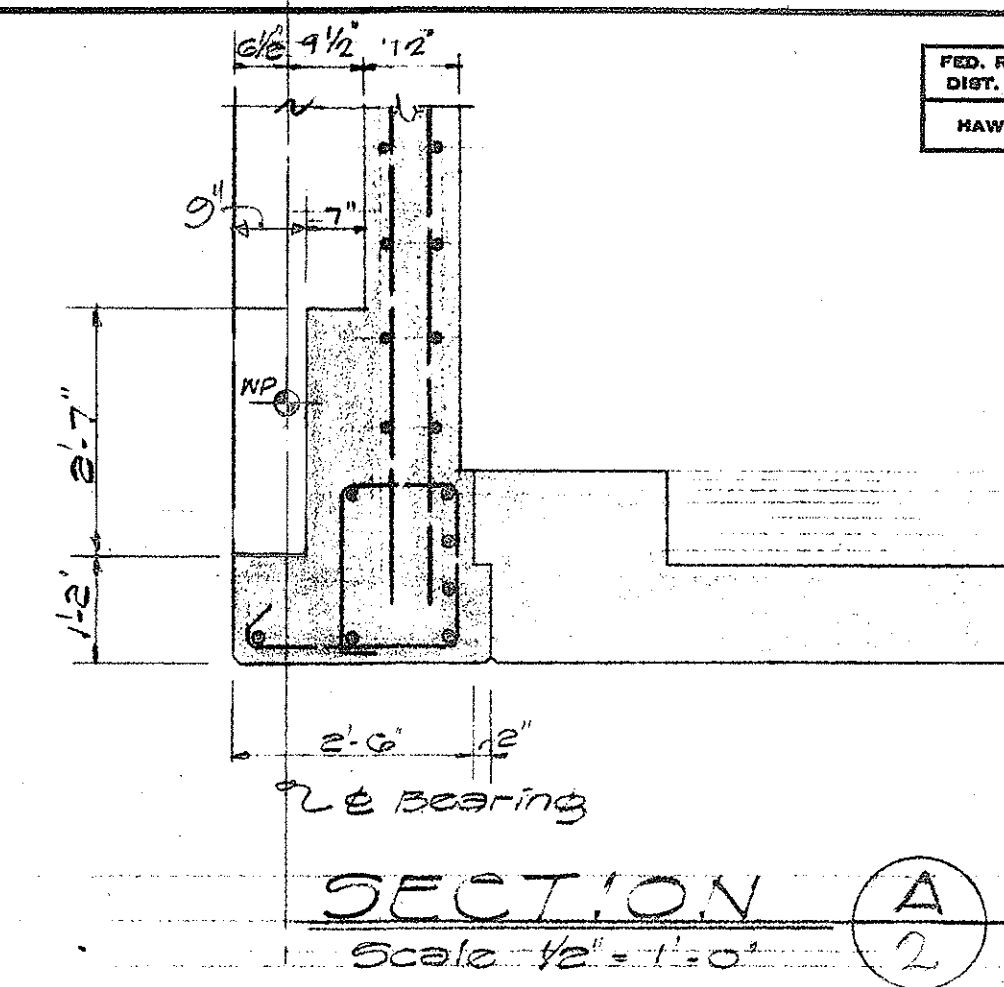
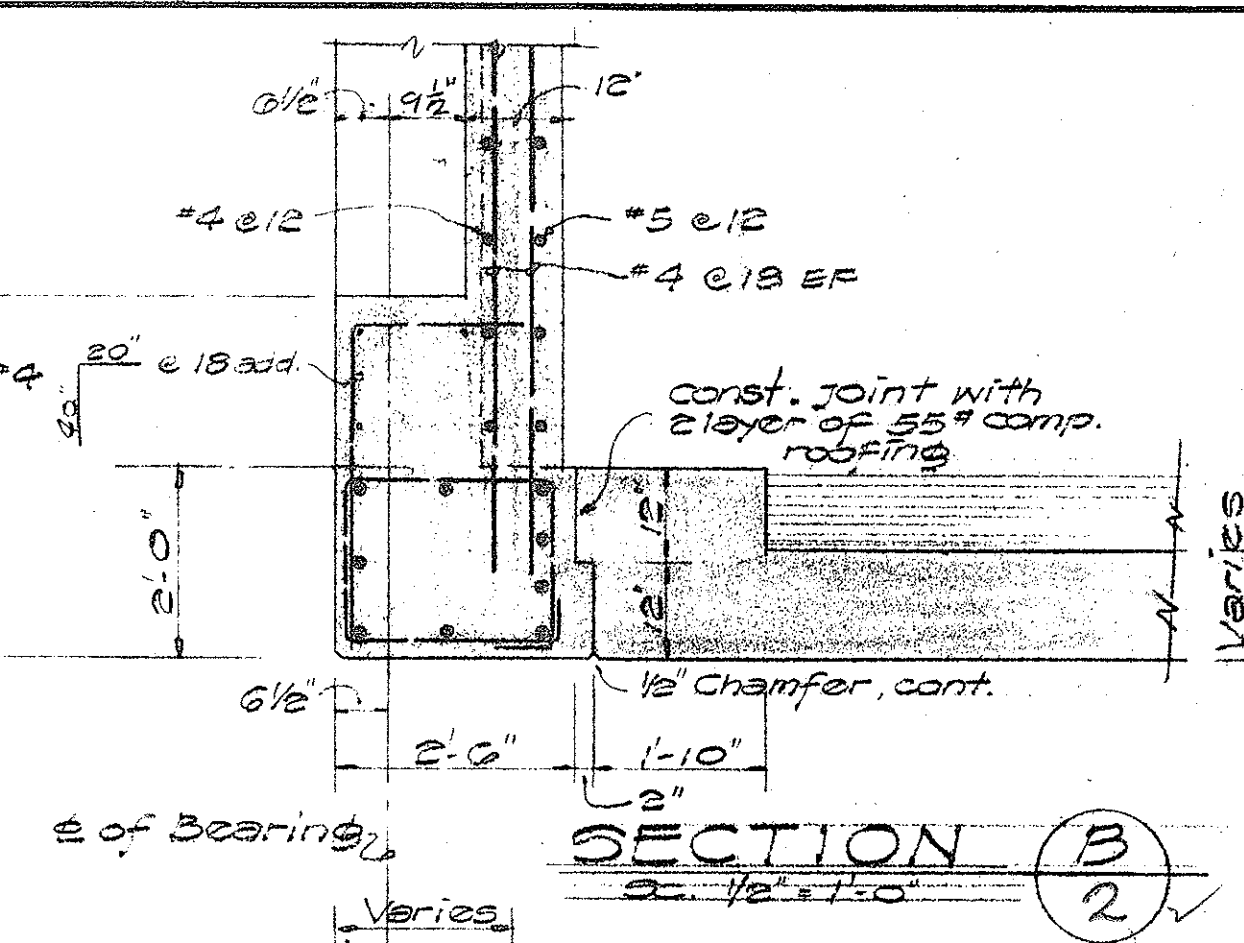
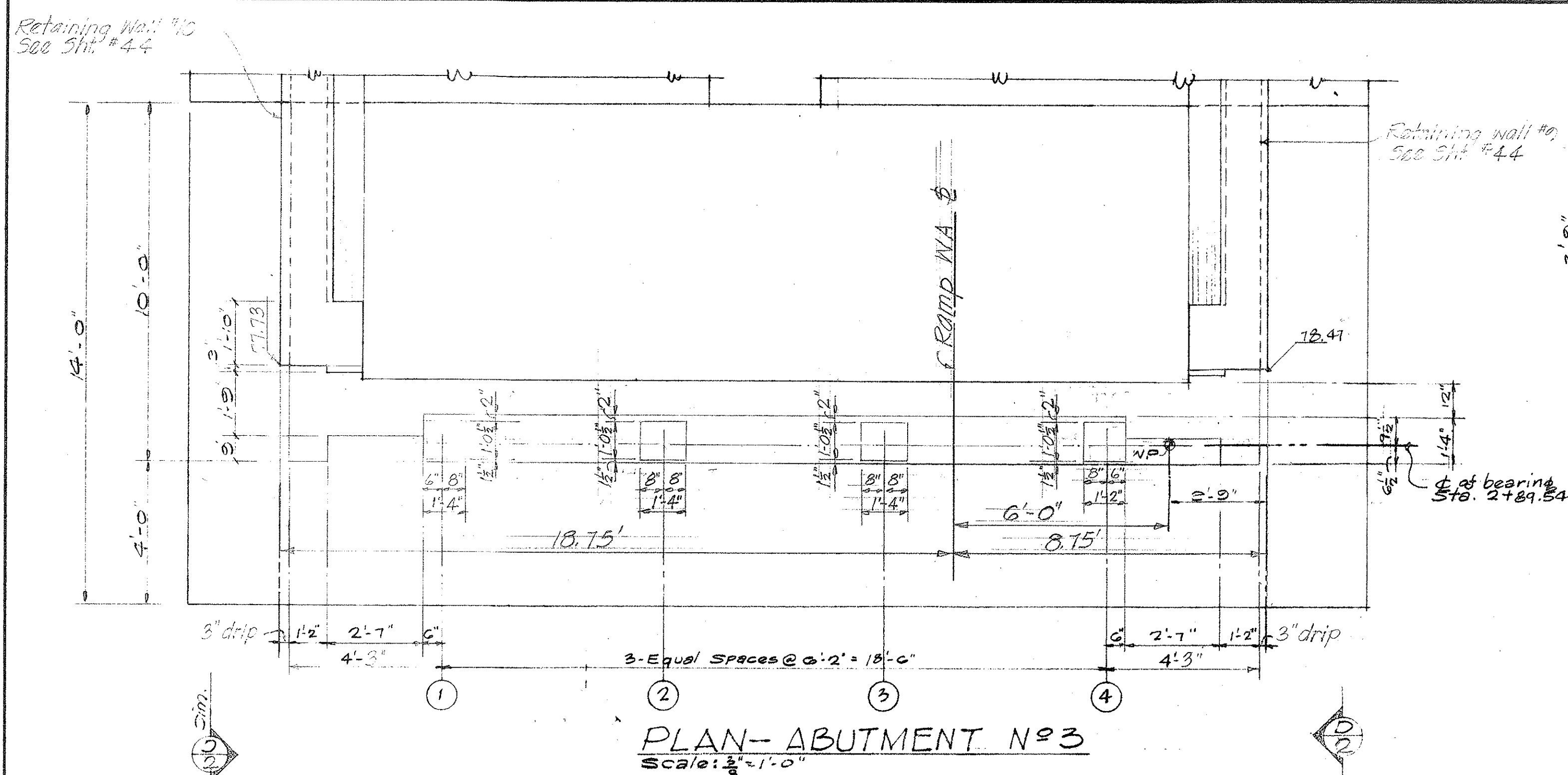
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Signature



WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PART STRUCTURE NOS. 20 & 21 COLUMN & FOOTING PLAN INTERSTATE HIGHWAY (HAWAII Fwy) F.A.I. PROJ. N° 1-HI-100, UNIT 2 SCALE: 1" = 40' DATE: JAN., 1965	
SHEET No. 1 OF 6 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOT SHEETS
HAWAII	HAW.	I-HI-(K) UNIT 2	1966	196	20



Exposed Bars:
Note: Exposed portion of bars shall be treated for protection against weather as directed by the Engineer.
(Incidental to Reinf. steel in Bridges.)

2-0" min. continuous
impervious materials
selected by the Engineer

All hatched areas thus indicates limits of structural excavation pay line.

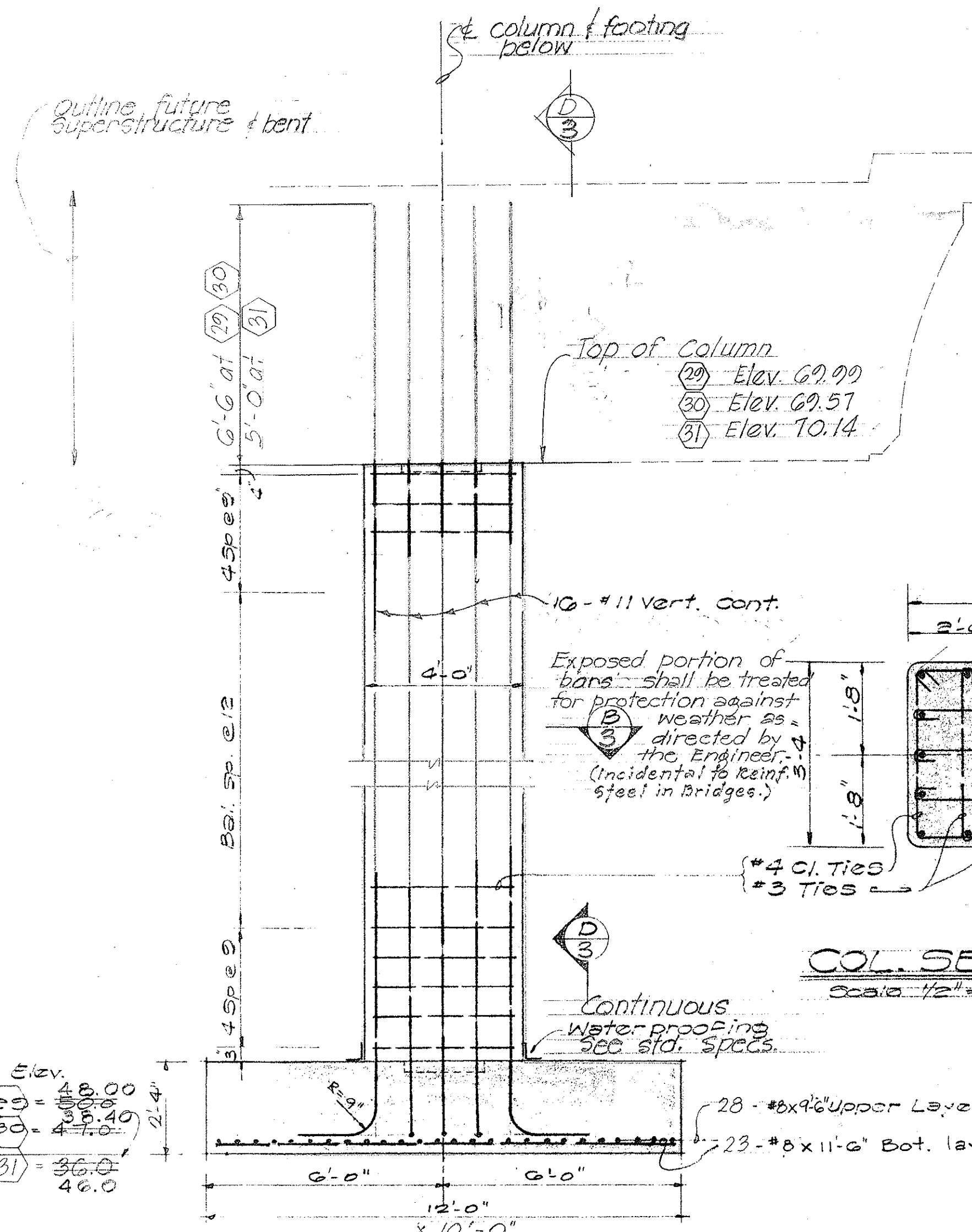
THIS WORK WAS PREPARED BY M
OR UNDER MY SUPERVISION
Thomas C. H. [illegible]
Signature



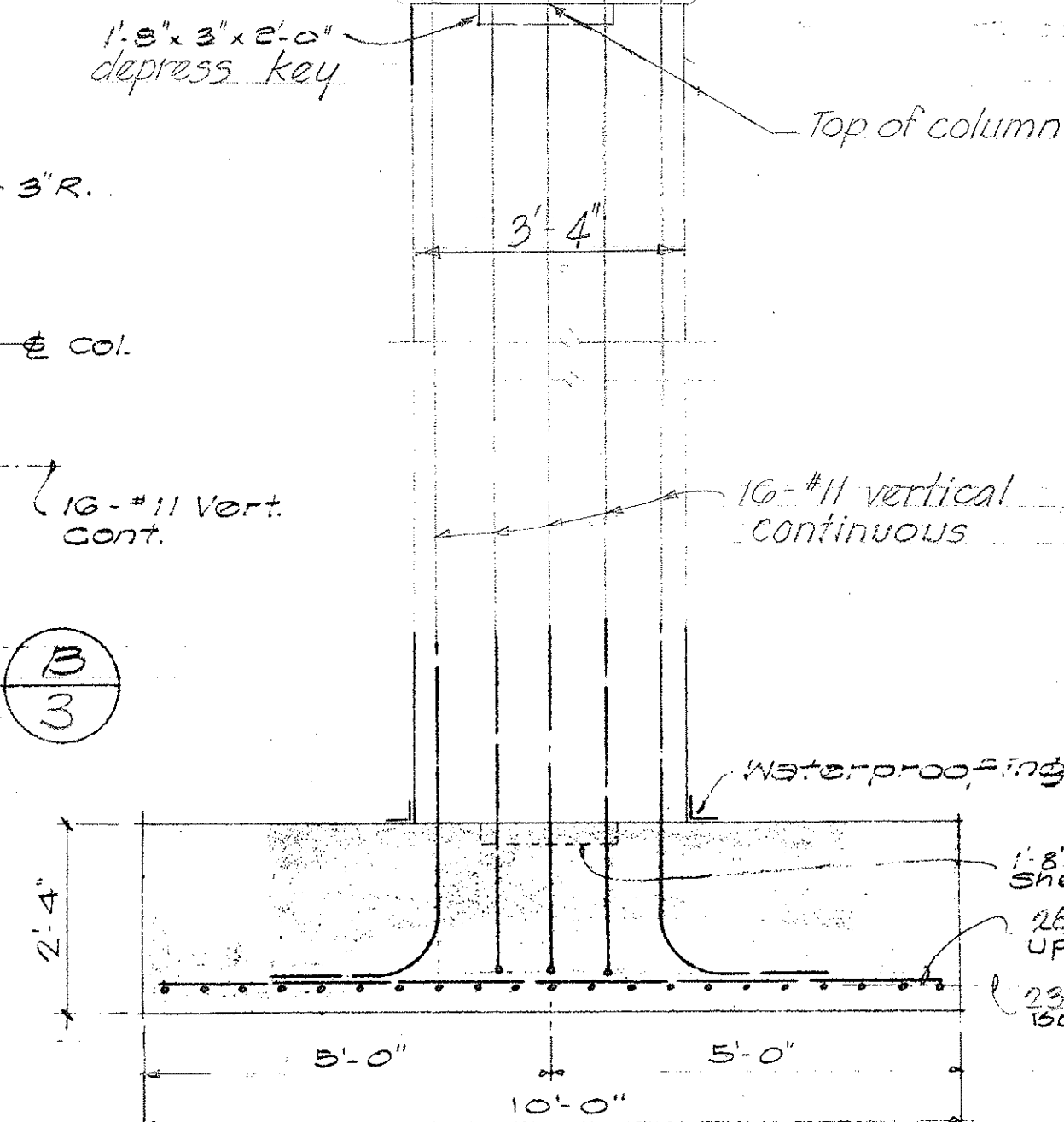
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PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PLANET STRUCTURE
NO 20
ABUTMENT NO 3 - PLAN
ELEVATION & SECTIONS
INTERSTATE HIGHWAY (KUALA ILI FULT)
E.A.T. Proj. NO 1-HI-106, UNIT 2
SCALE: AS SHOWN DATE: JANUARY 1965
SHEET NO. 2 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-11-106 UNIT 2	1966	197	203



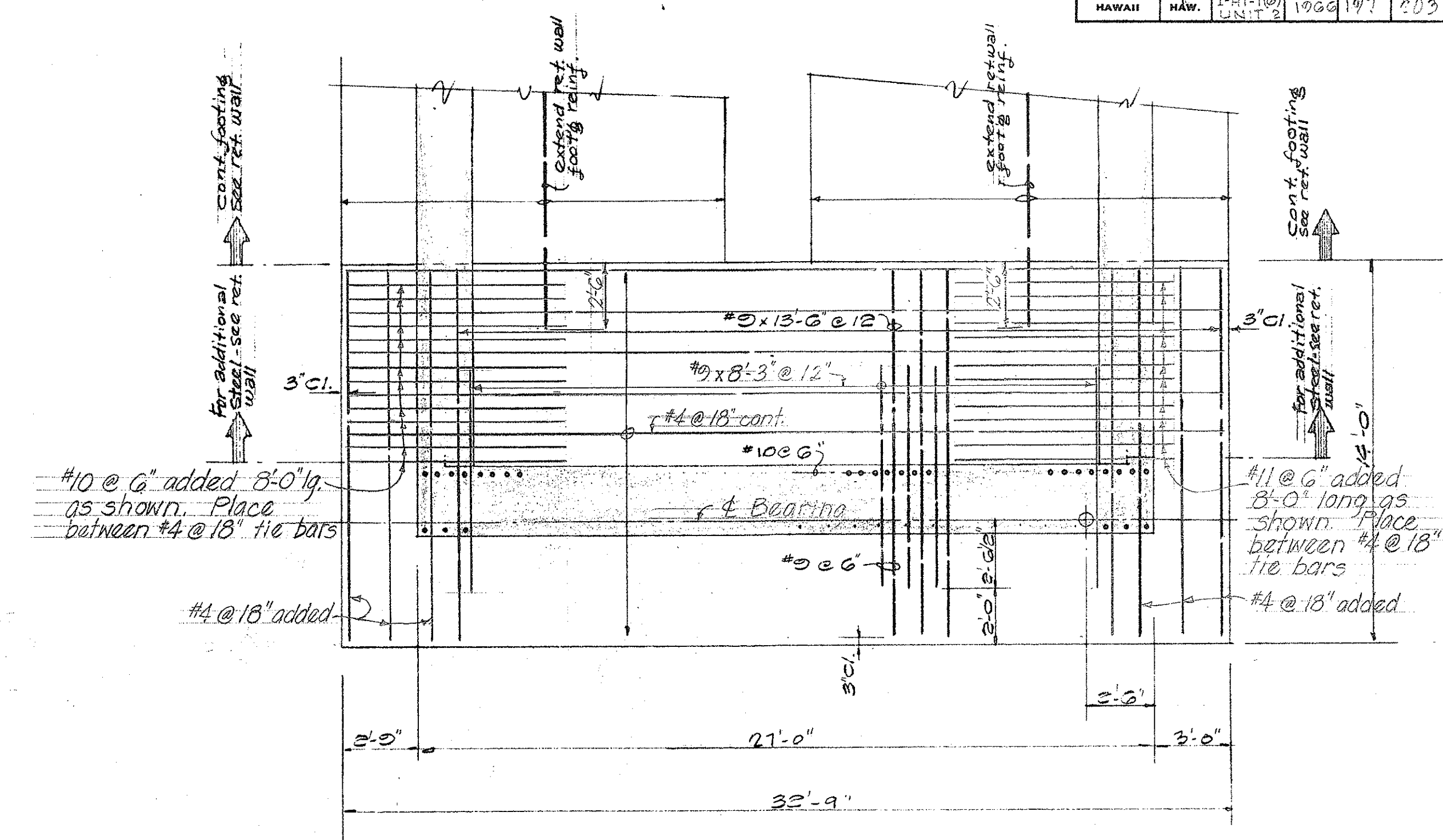
COL. SECTION (B)
Scale: 1/2" = 1'-0"



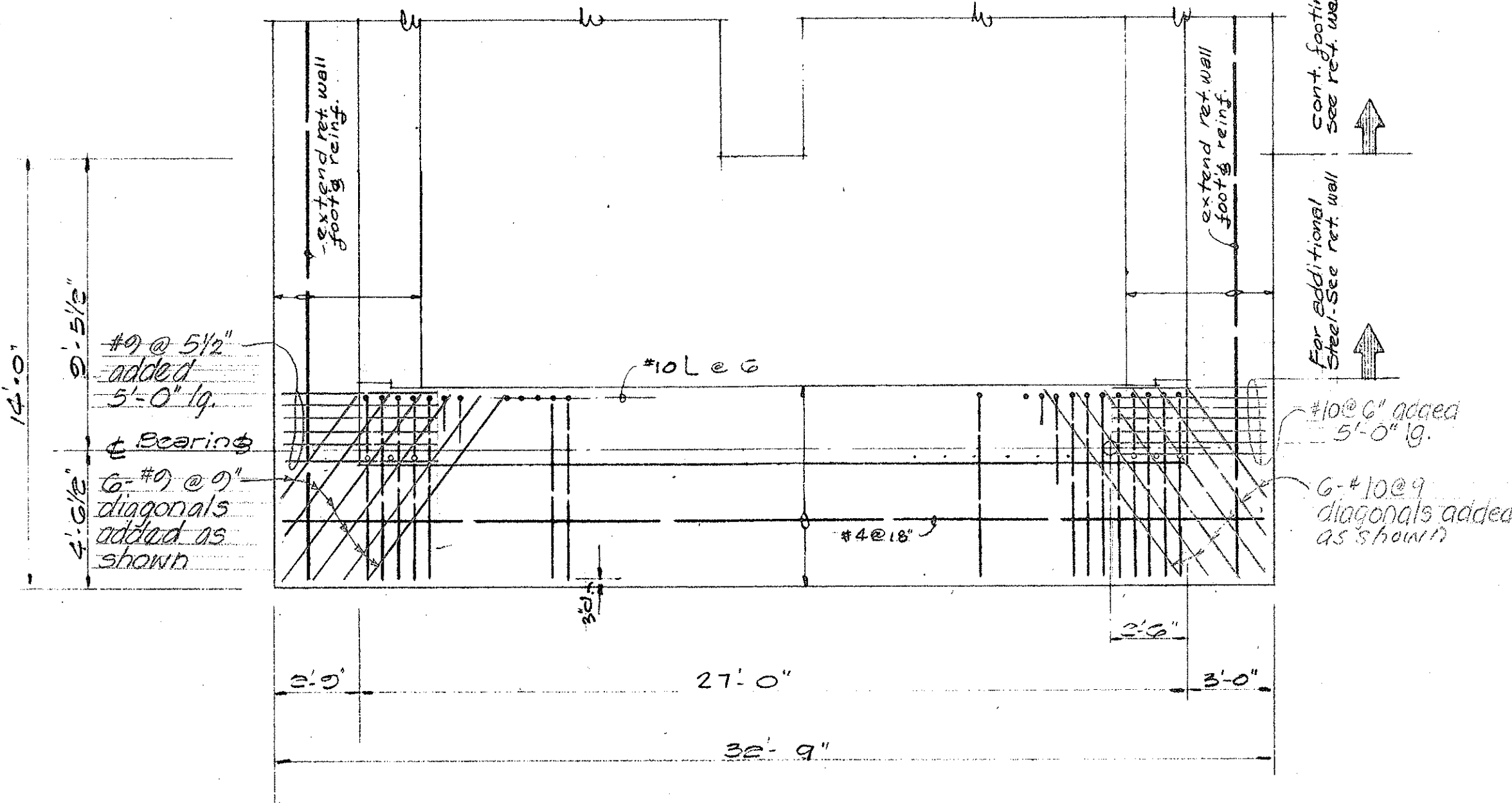
SECTION (D)
Scale: 1/2" = 1'-0"

(C) TYP. CONC. SEAT REINF.
Scale: 1/2" = 1'-0"

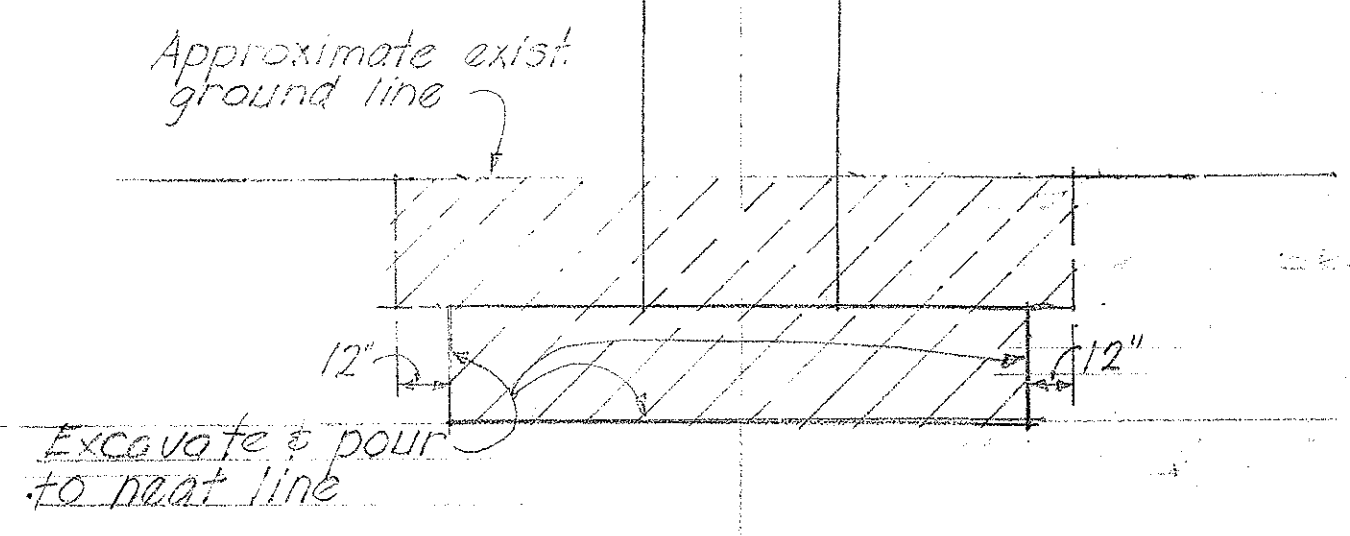
NOTE:
CONC. STRENGTH FOR COLUMNS & FOOTINGS = CLASS A-1 CONC.



TOP STEEL FOOTING ABUT. NO 3
Scale: 1/4" = 1'-0"



BOT. STEEL FOOTING ABUT. NO 3
Scale: 1/4" = 1'-0"



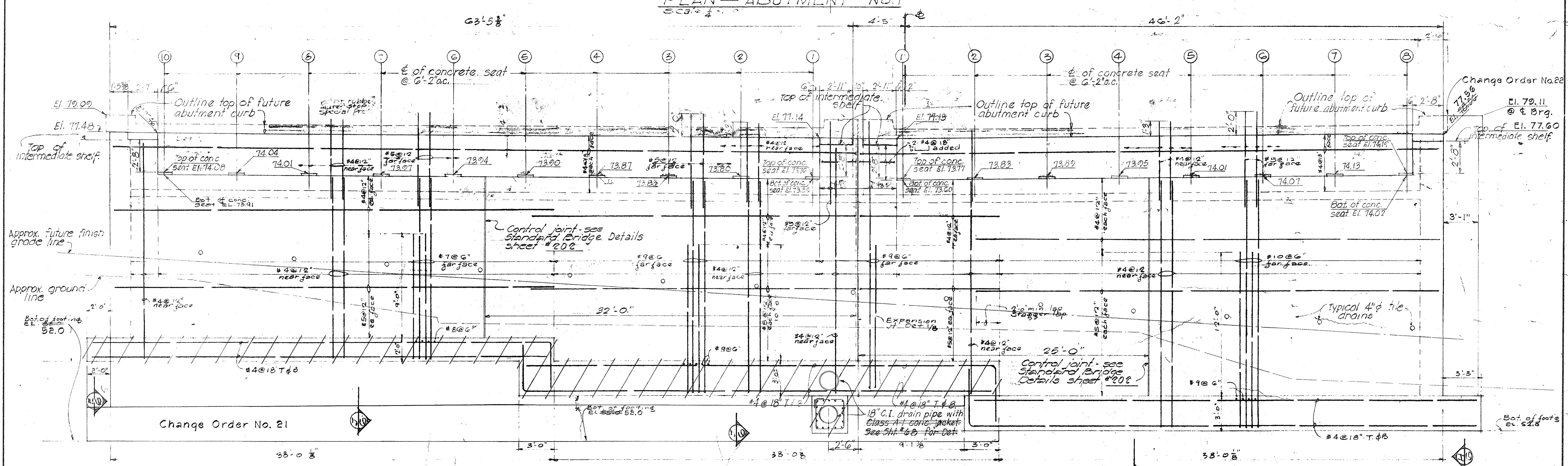
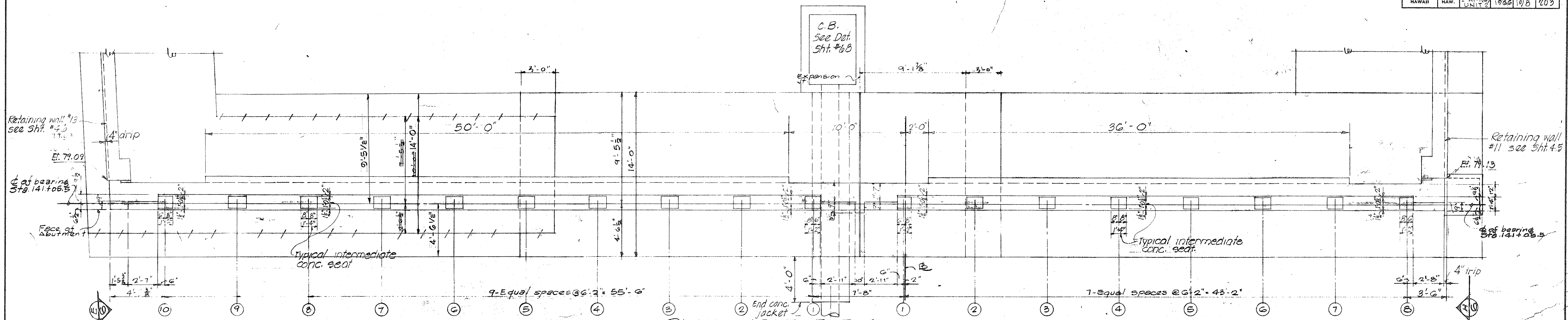
TYPICAL LIMITS OF STRUCTURAL EXCAVATION PAYLINE AT COLUMN FOOTING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FACT STRUCTURE
NO 20
ABUTMENT NO 3 FOOTING AND PIER COLUMN DETAILS
INTERSTATE HIGHWAY (DUAL) (FWY)
I-11 PROJ. NO I-11-106 UNIT 2
SCALE: AS SHOWN DATE: JAN., 1965

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-106	1966	108	203



DATE	
DESIGNED BY	
CHECKED BY	
DRAWN BY	
NOTED BY	
ORIGINAL PLAN	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PART STRUCTURE
No. 21
ABUTMENT No. 1 - PLAN AND ELEVATION

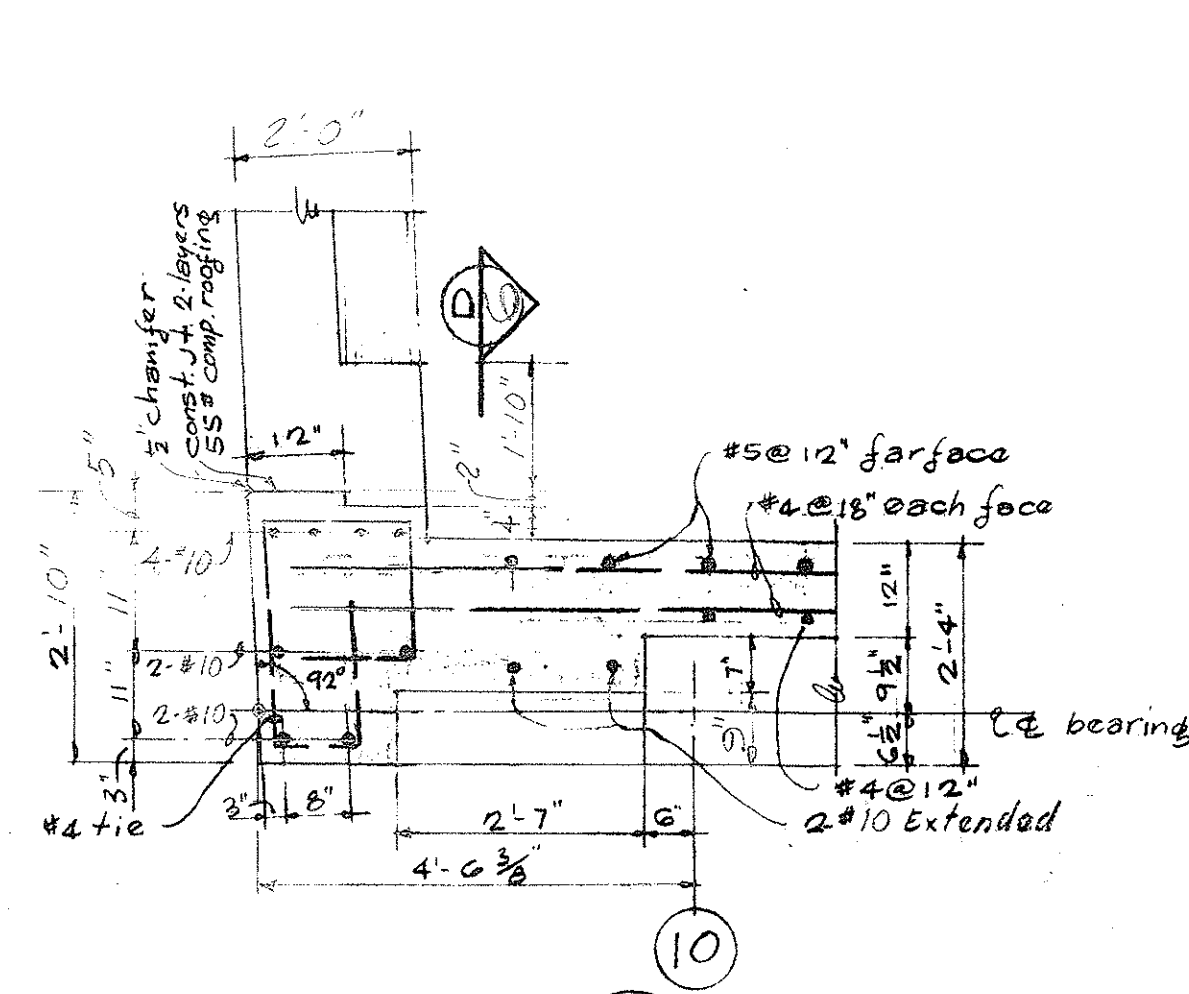
INTERSTATE HIGHWAY (LUNALILO Fwy)
F.A.N. PROJ. NO. 1-HI-106 UNIT 2
SCALE: 1/4" = 1'-0" DATE: JAN. 1963

SHEET No. 4 OF 6 SHEETS

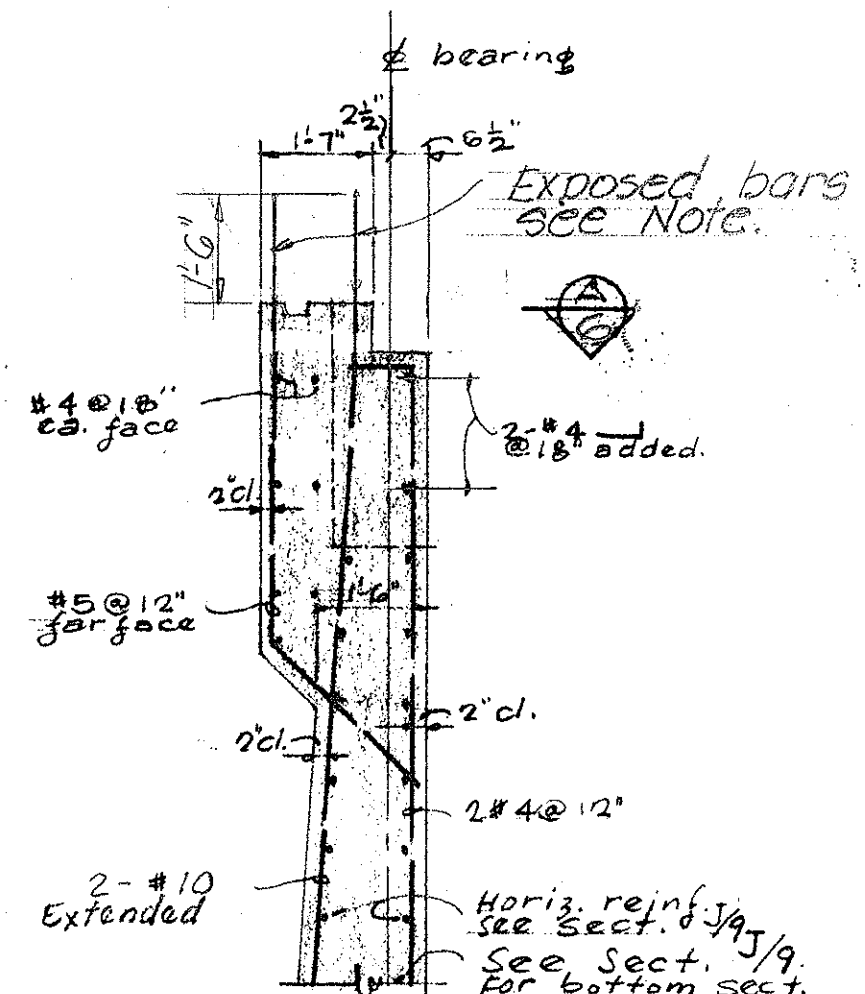
WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	CHECKED BY _____

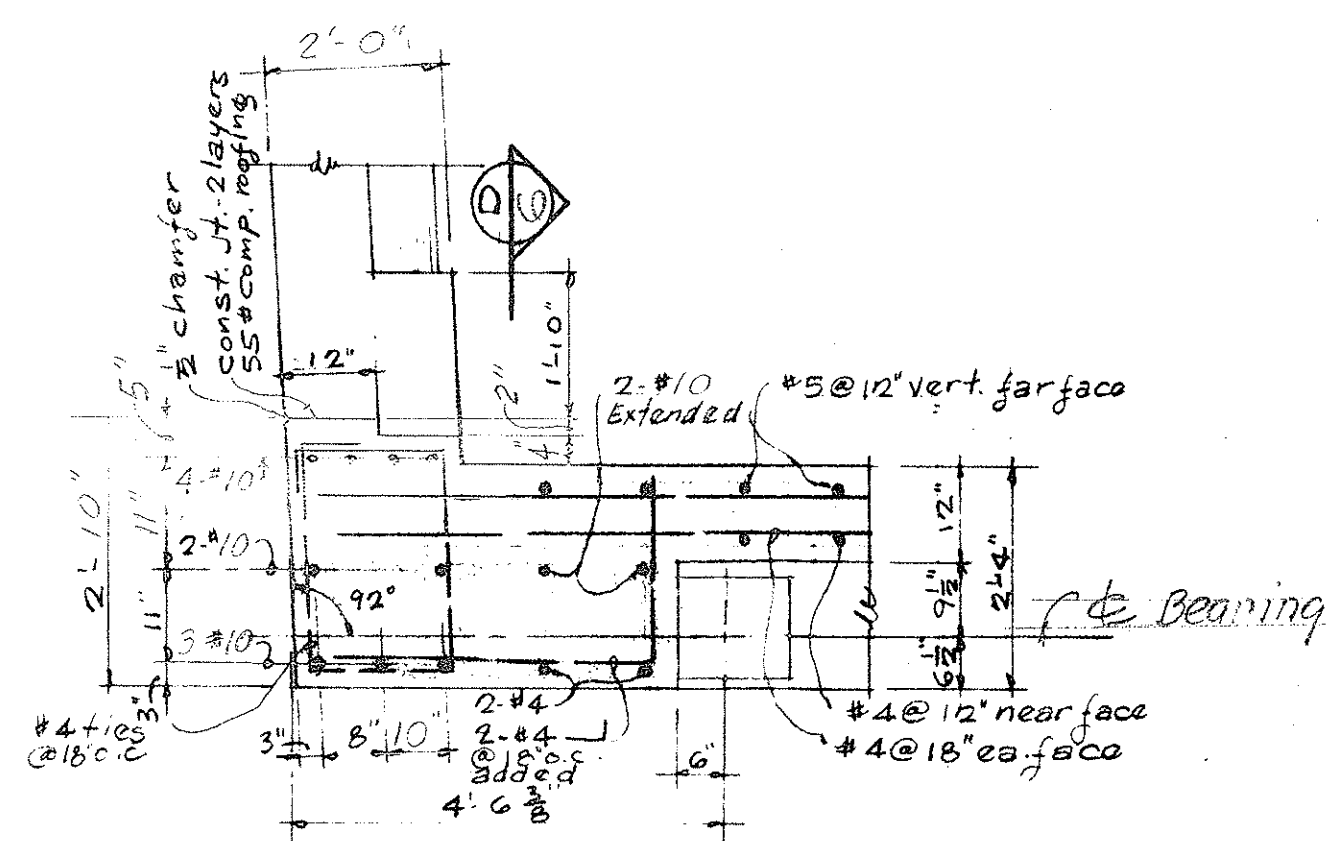




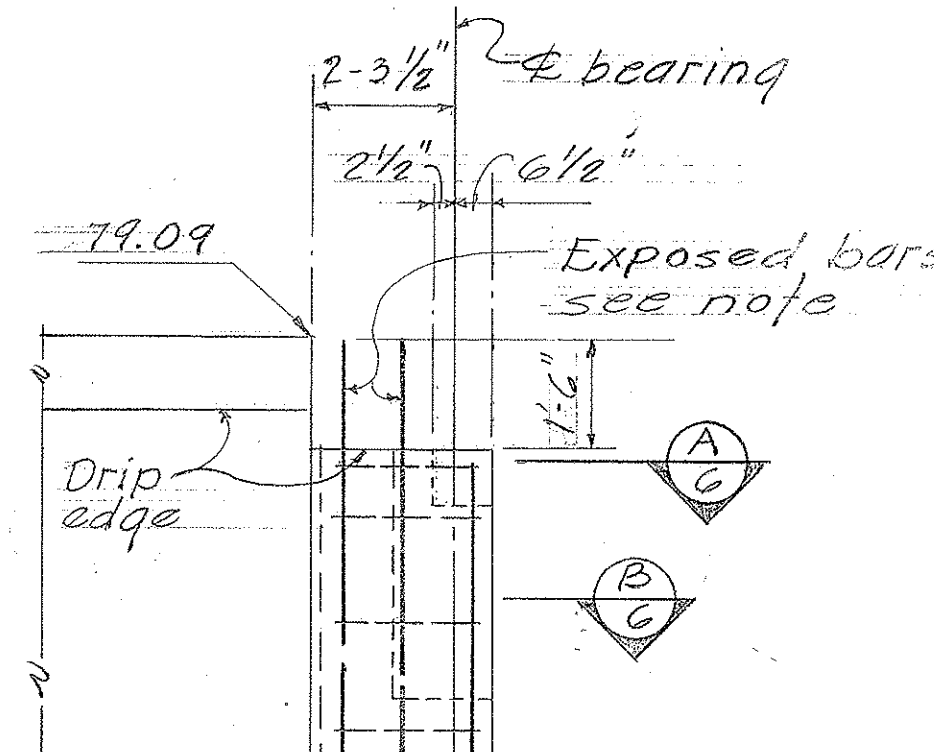
SECTION A
Scale: 1/2" = 1'-0"



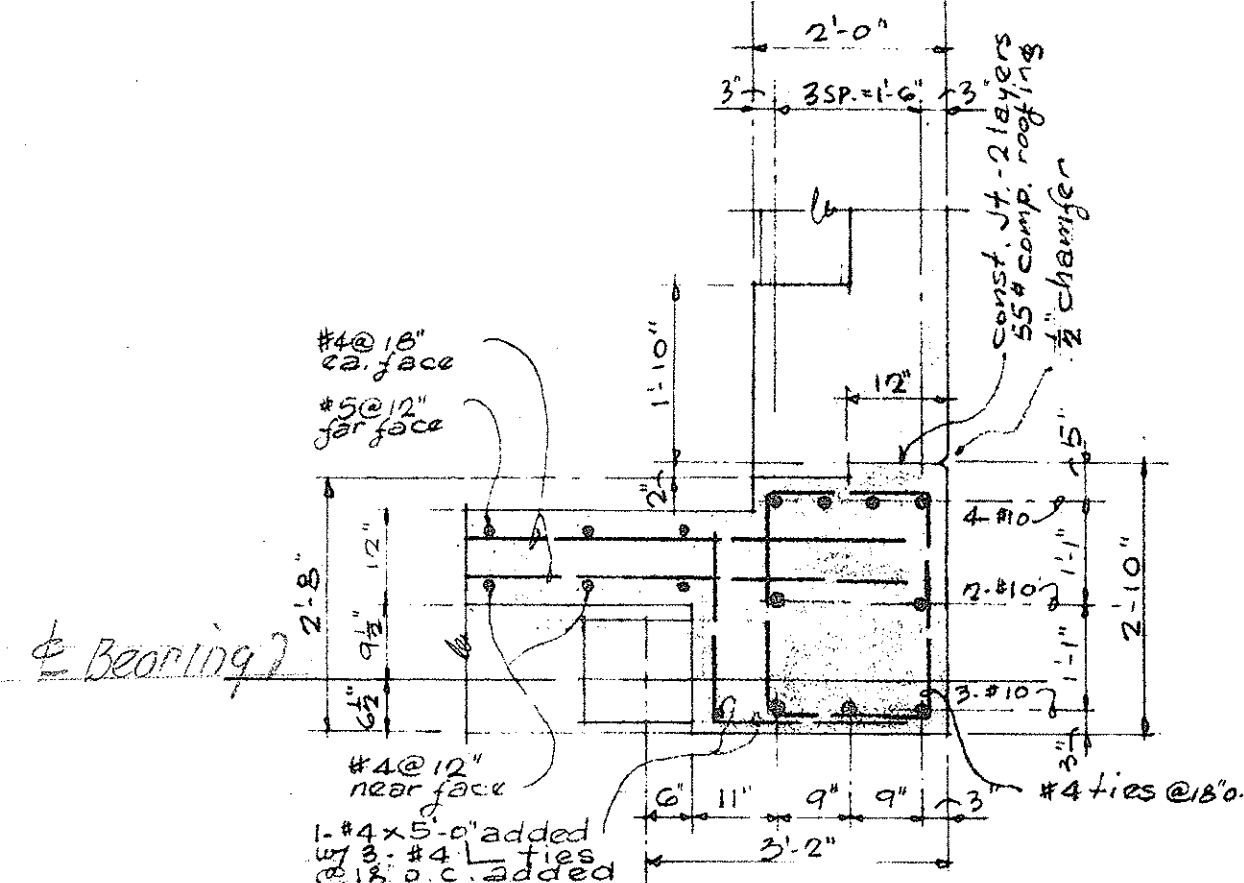
SECTION D
Scale: 3/8" = 1'-0"



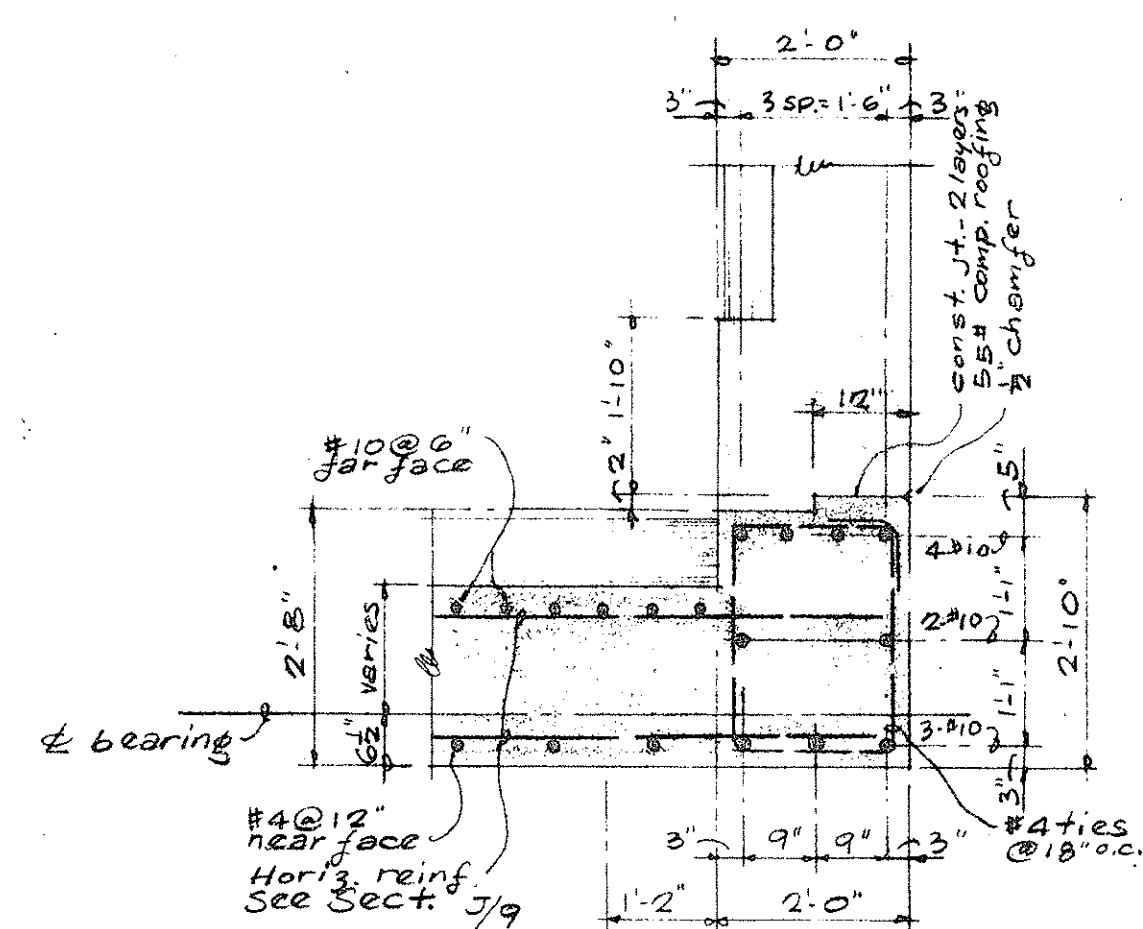
SECTION B
Scale: 1/2" = 1'-0"



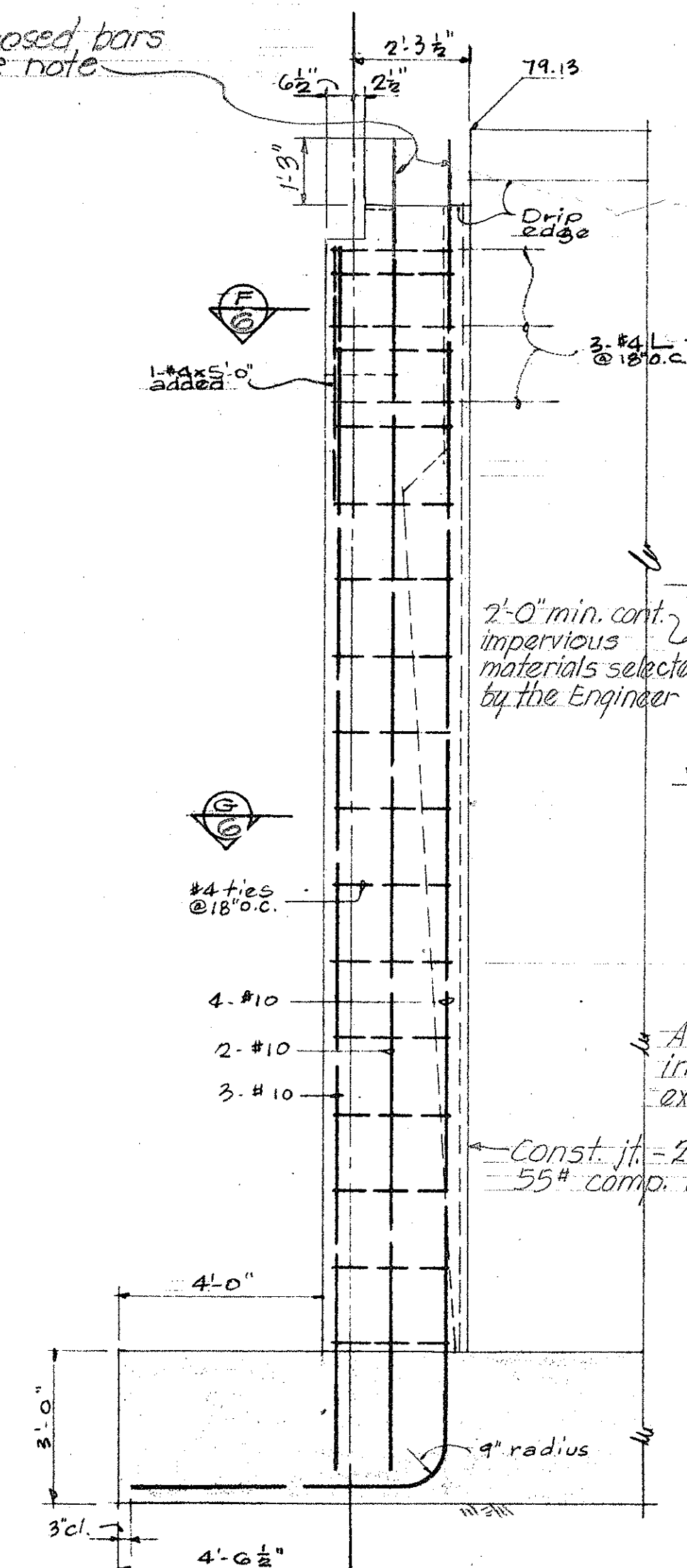
SECTION E
Scale: 3/8" = 1'-0"



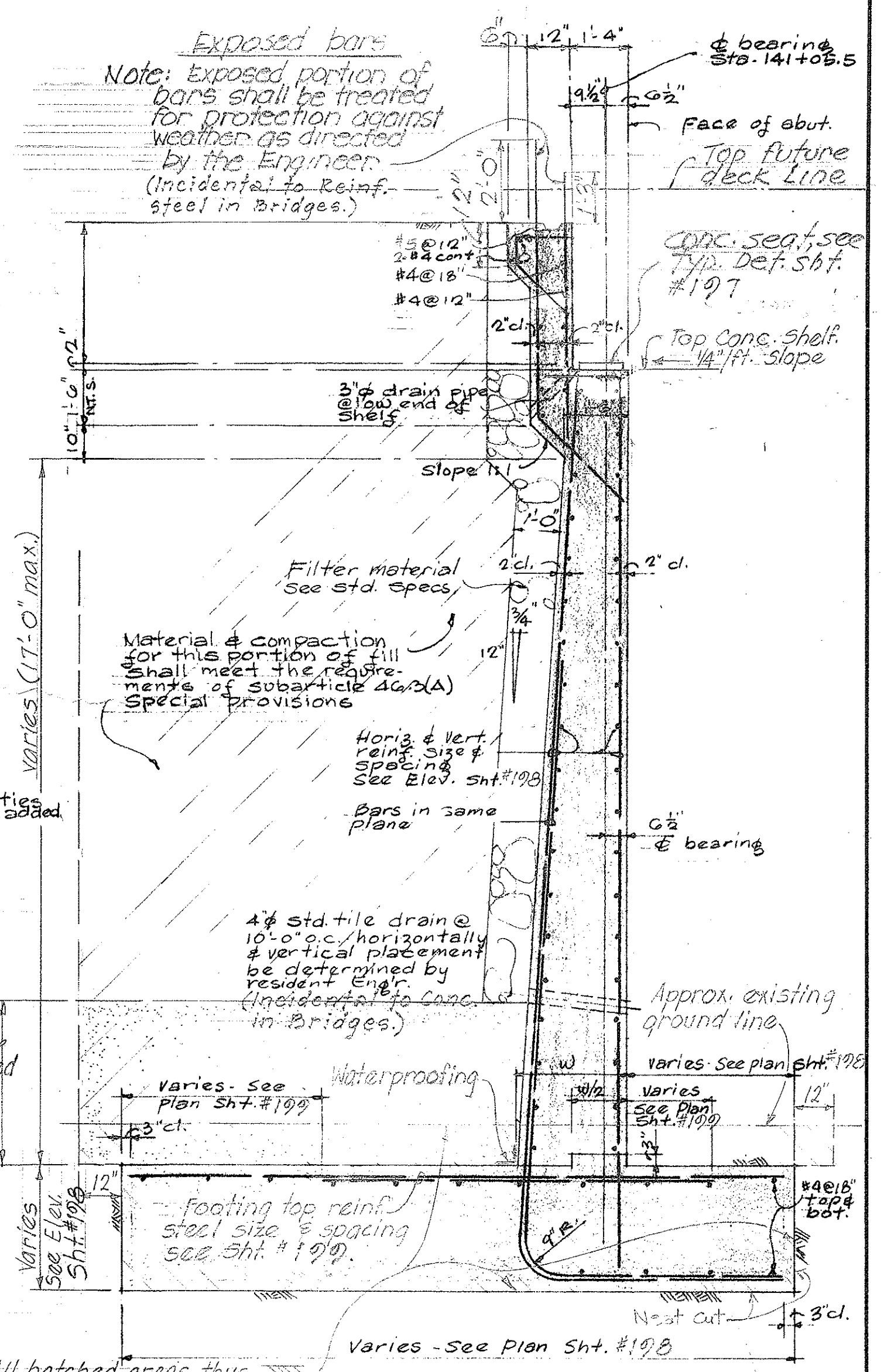
SECTION F
Scale: 1/2" = 1'-0"



SECTION G
Scale: 1/2" = 1'-0"



ELEVATION H
Scale: 3/8" = 1'-0"



TYPICAL SECTION J
Scale: 3/8" = 1'-0"

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PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PART STRUCTURE
NO. 21
ABUTMENT NO. 1 SECTIONS
AND DETAILS
INTERSTATE HIGHWAY (LONGLEO FWD)
F.A.I. PROJ. NO. 1-41-106 UNIT 2
SCALE: AS SHOWN DATE: JAN., 1965
SHEET No. 6 OF 6 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

Varies @ Transition Normal 7%

Ramp Grade Control

Varies @ Trans. Normal 2'-6"

1'-3"

6'-0"

14'-0"

2'-0"

1'-3"

Ref. Existing curb face

Exist. E.P. to remain

Portion of original curbing to be revised. See sbt. (R-2.)

New Gutter (Type G)

Remove exist'g curbing & gutter & place new gutter as shown.

Cont. Exist'g. Finish Grade S.E. slope

Ret. Wall #9

2 1/2" A.C. Pavt. (1" Mix I 1 1/2" Mix III)

8" untreated Base

3/4" 12 slope

8 1/2" select Borrow Subbase

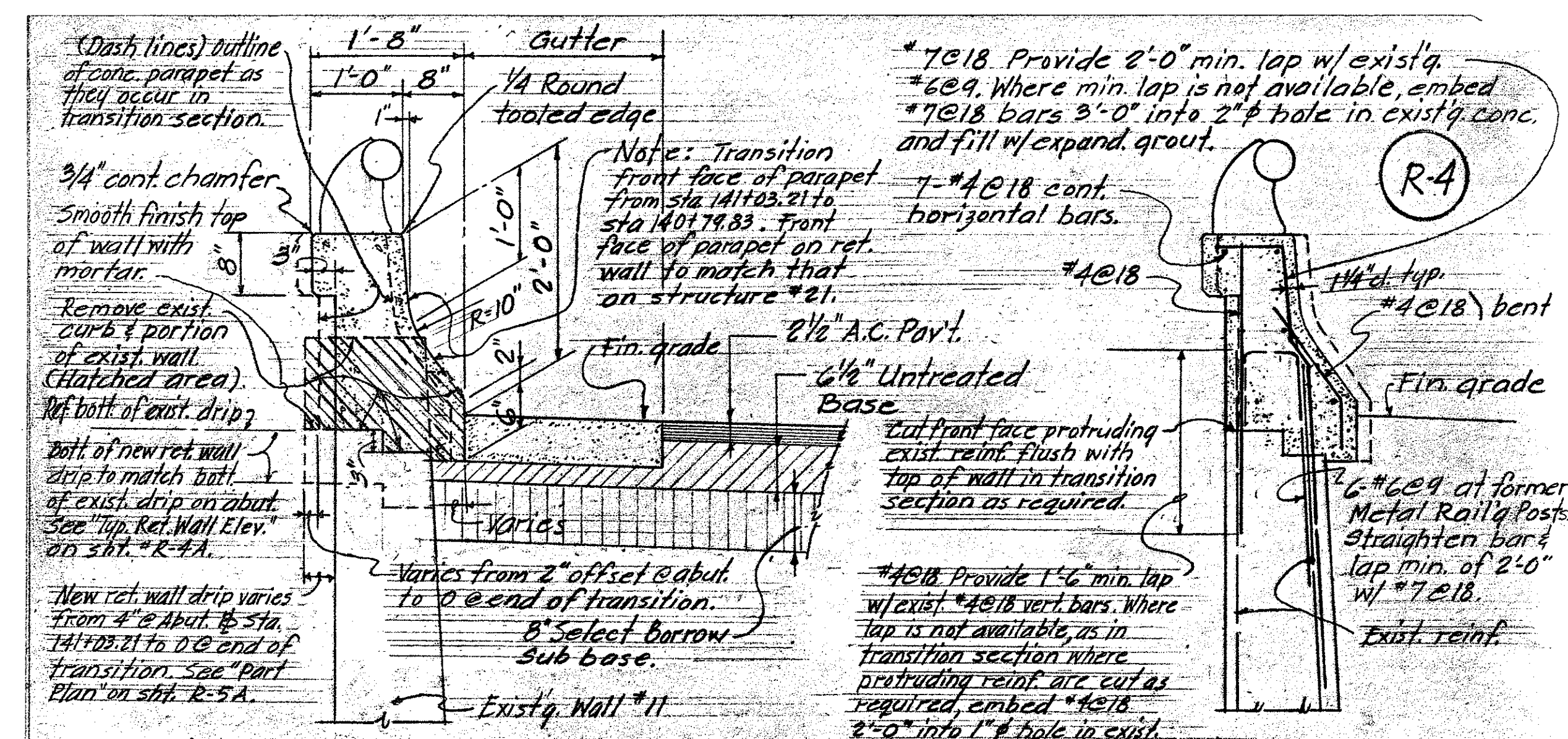
Exist'g. Ret. Wall & Metal Failing to remain.

Exist'g. Ret. Wall & Metal Failing to remain.

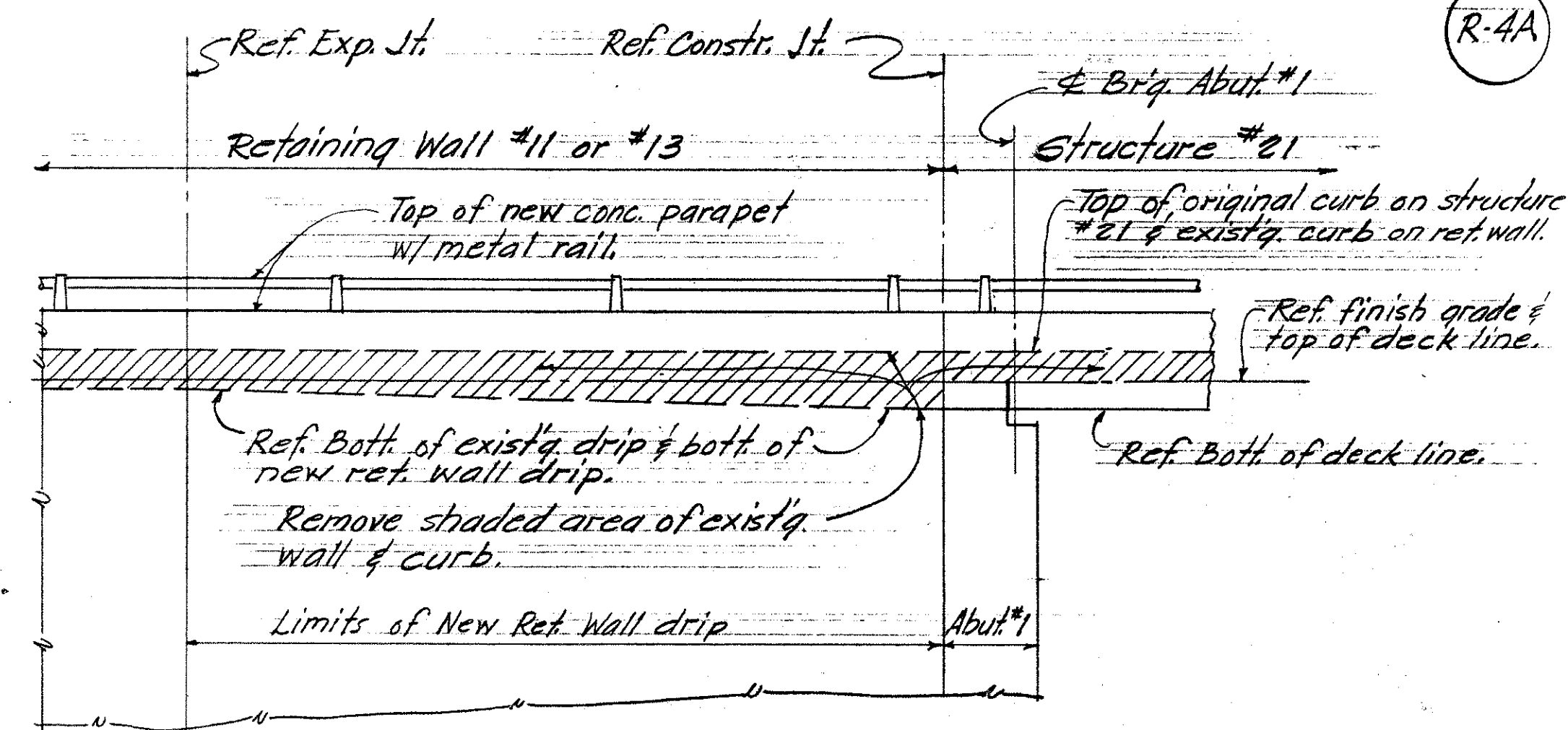
Ret. Wall #10

R-1

INTERSTATE HW'Y. (LUNALILO FREEWAY) DATE: Nov., 1967 F.A.I. PROJ. I-HI-1 (G) UNIT 2

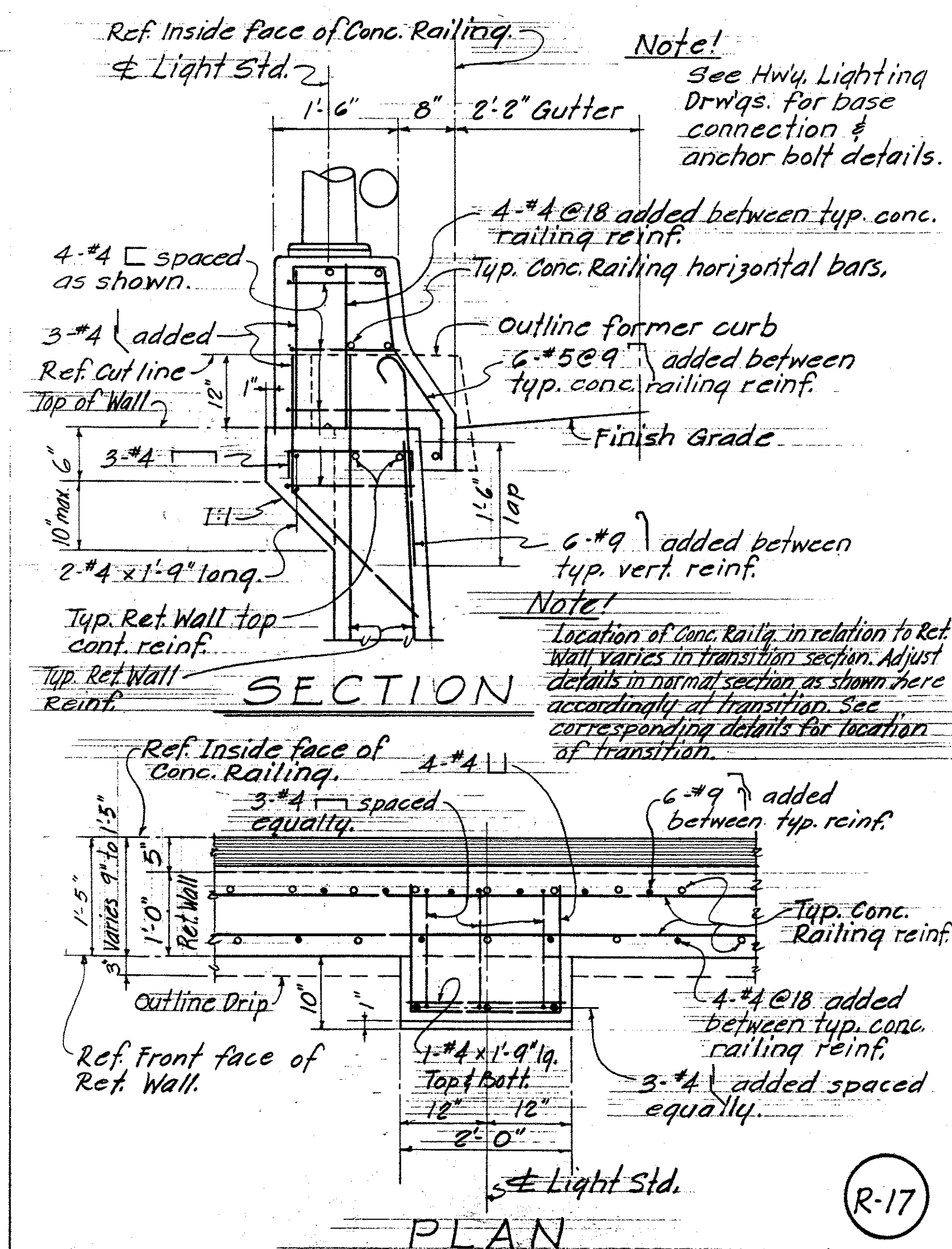


INTERSTATE HW'Y. (LUNALILO FREEWAY) DATE: NOV. 1967 F.A.I. PROJ. N° I-HI-1(6) UNIT 2



INTERSTATE HW'Y. (LUNALILO FREEWAY) PROJ. N° I-HI-1(6) UNIT 2

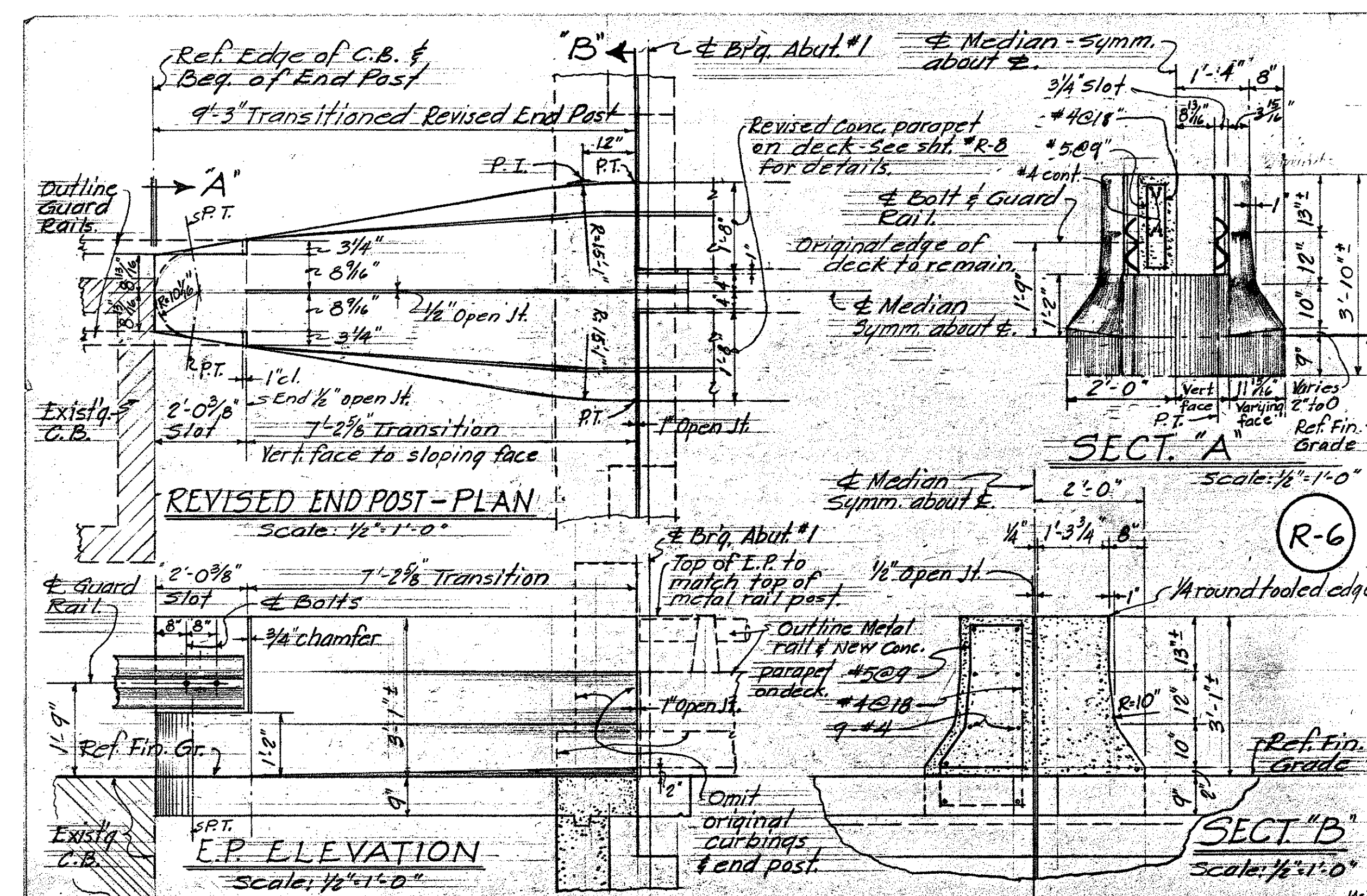
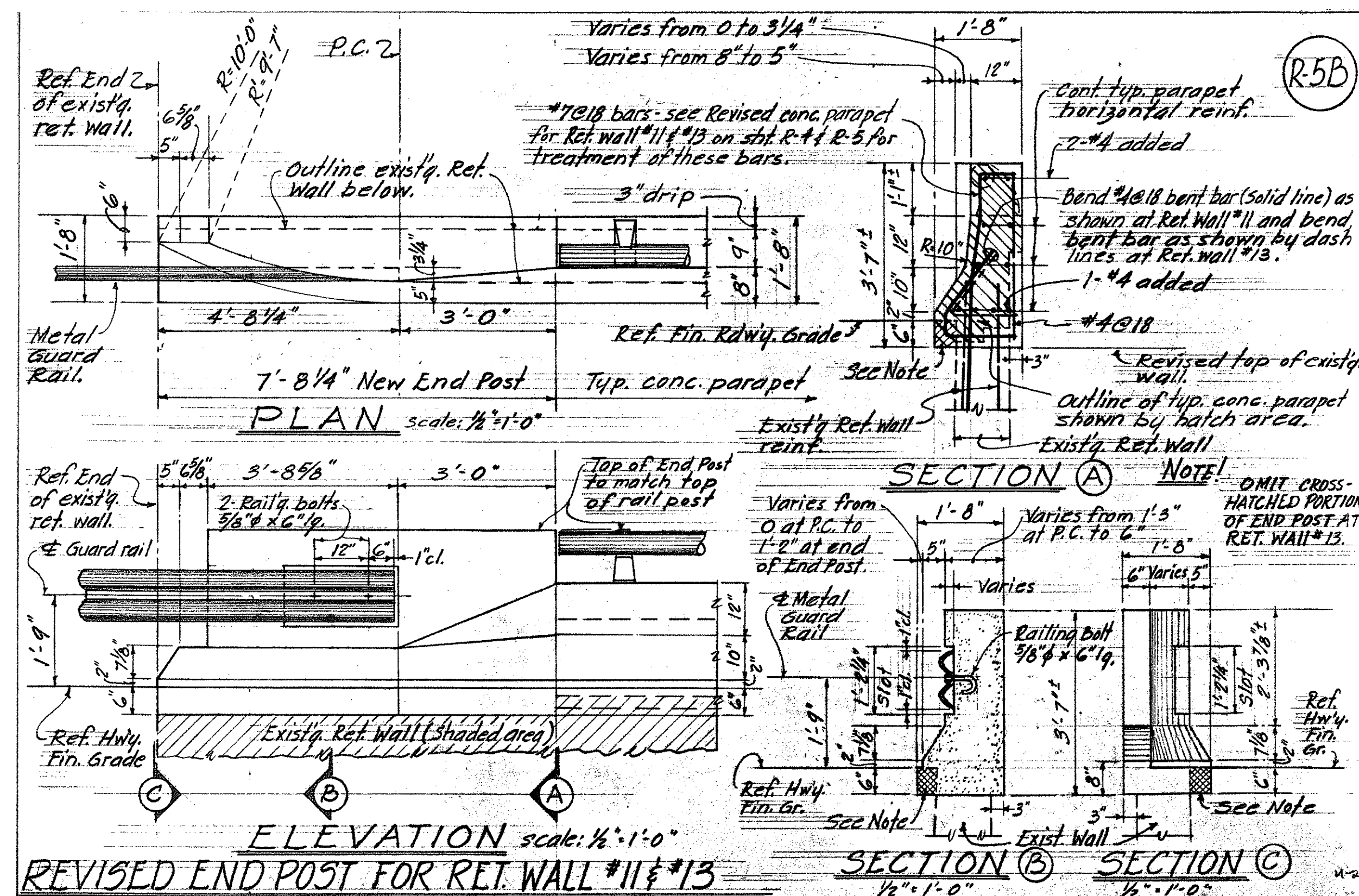
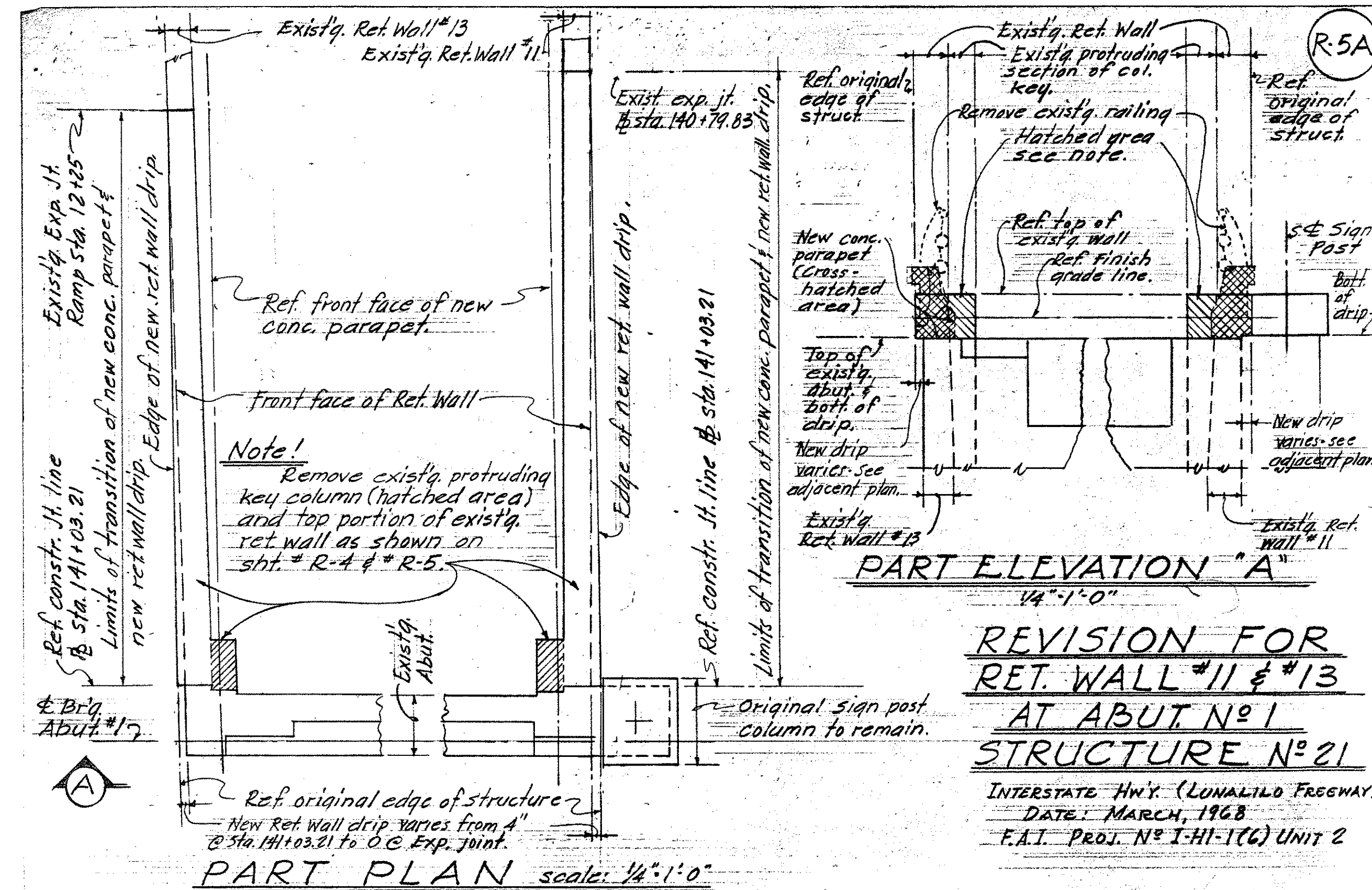
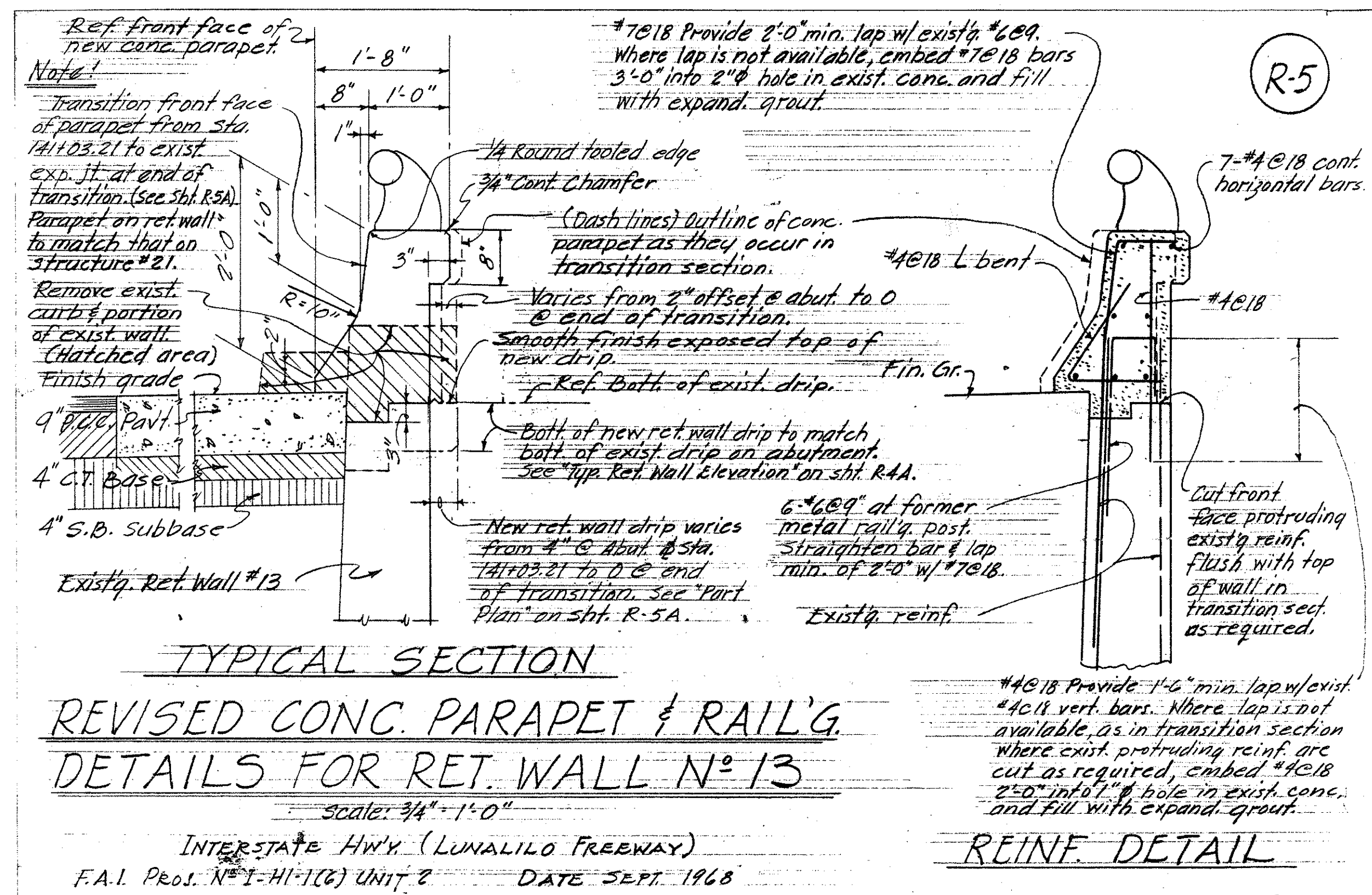
DATE: SEPT. 1968



INTERSTATE HW'Y. (LUNALILO FREEWAY) F.A.I. PROJ. #I-HI-1(6) UNIT 2

C.O. 2005-1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-41-1(6), Unit 2	1985	C.O. 2005-2	203



Note:
See Footing Layout
Key Plan Sht. #1 for
(R5), (R5A), (R5B), (R-6)