

GENERAL NOTES

DESIGN LOADS: HS-20-44
DESIGN STRESSES: $f_c' = 3,000 \text{ psi}$
 $f_c = 1,200 \text{ psi}$
 $n = 10$
 $f_s = 20,000 \text{ psi}$

GENERAL :
1- The contractor shall verify the locations of all existing utility lines, notify their respective owners before commencing with work.

REFERENCE:
1- Except as otherwise shown, refer to Standard Detail drawings sht. # S-1, S-2, S-3, S-4 & S-5 for additional details not covered by these drawings.

ESTIMATED QUANTITIES		
Class A-1 Concrete	(260 CY)	(258.6 CY) L.S.
Reinforcing Steel	(65,540 LB)	(71,045.75 LB) L.S.
Structural Excavation		66.9 74 C.Y.
Channel Excavation		67.1 49.0 C.Y.
Filter Material		29.6 30.5 C.Y.
A. C. Pavement		18.4 TONS
Bituminous Tack Coat		53.0 GAL
Metal Railing		145.2 144.8 LF
Concrete Railing		177.3 176.8 LF

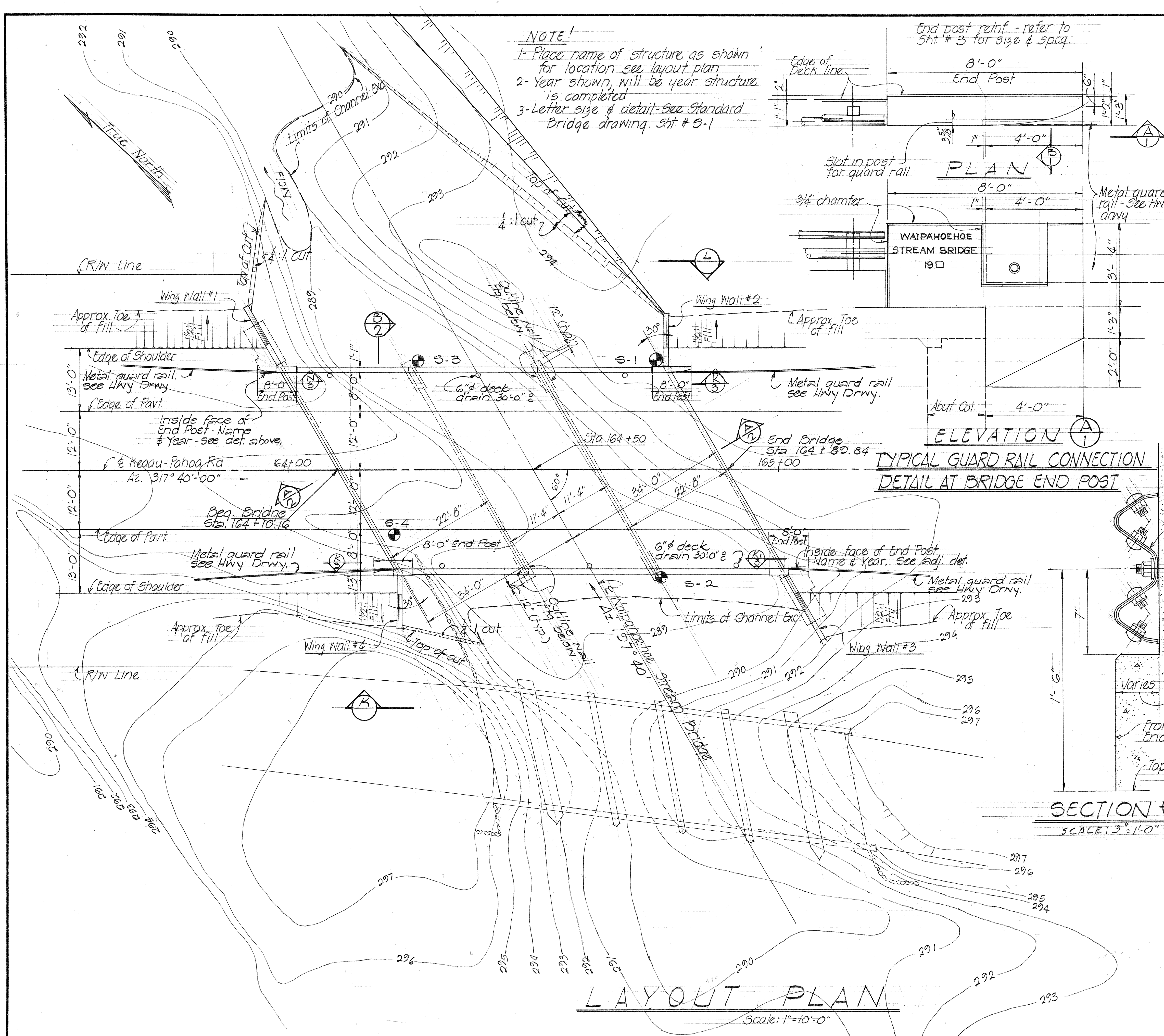
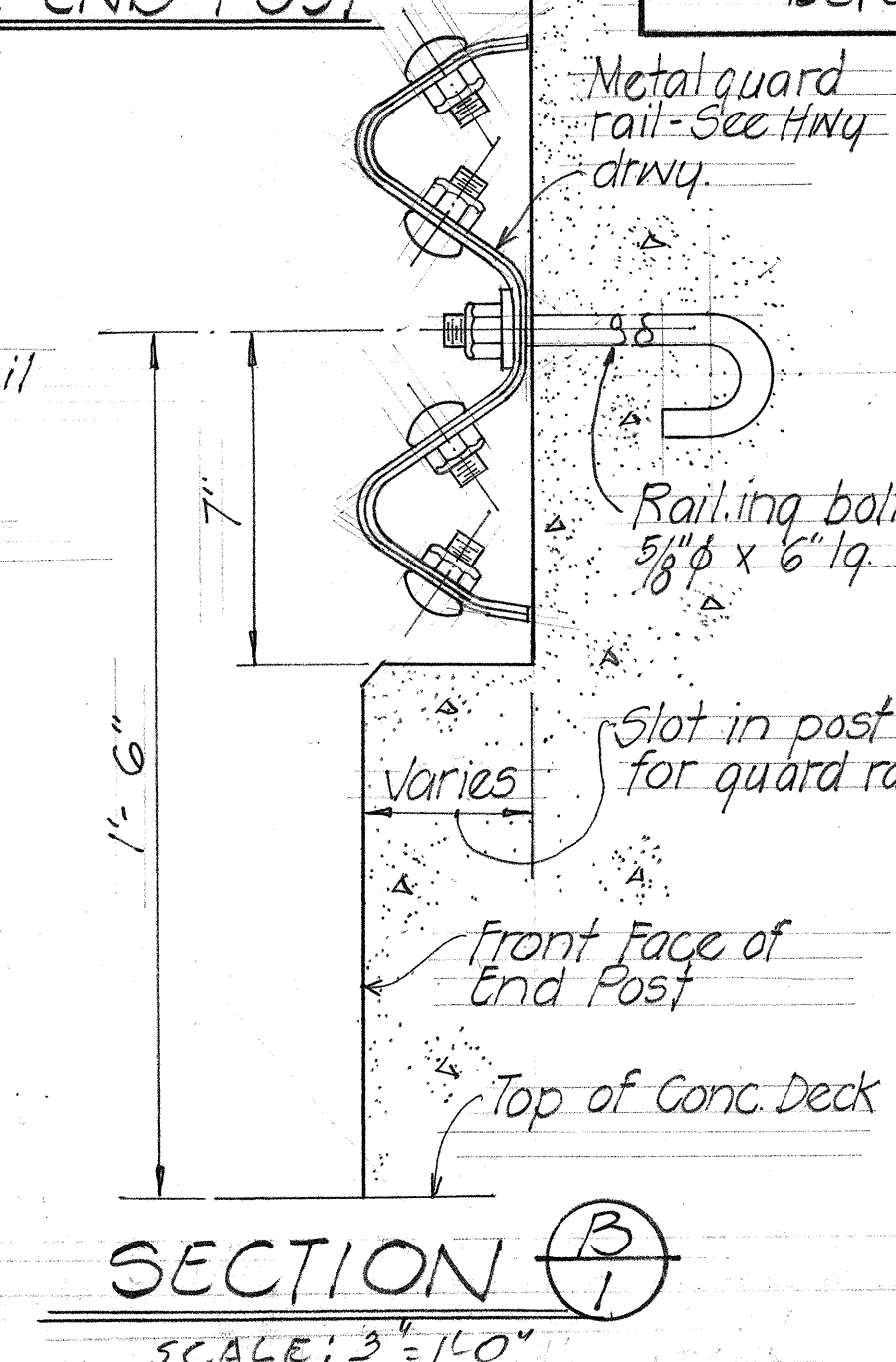
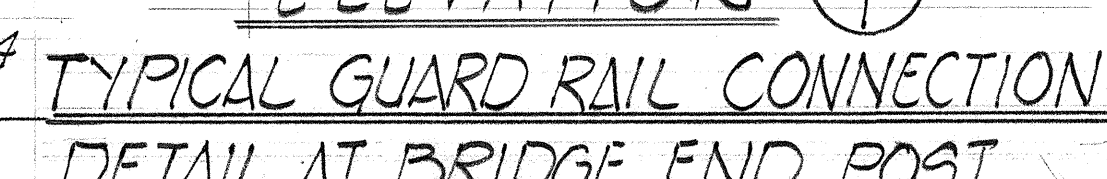
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAI'PAHOEHOE STREAM BRIDGE

Sta 164 + 10.16 to Sta. 164 + 82.84

Proj. N^o S-0130(7) May 1967

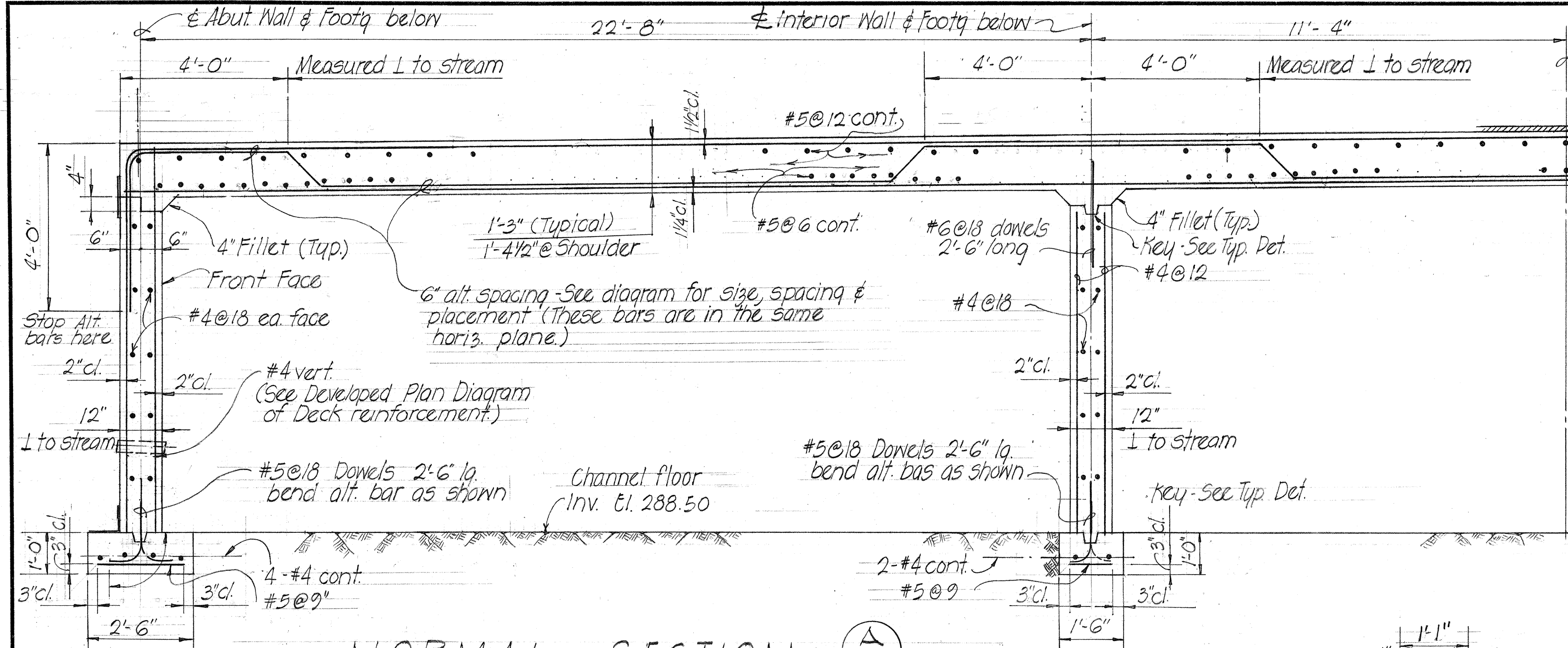
SHEET No. 1 OF 3 SHEETS



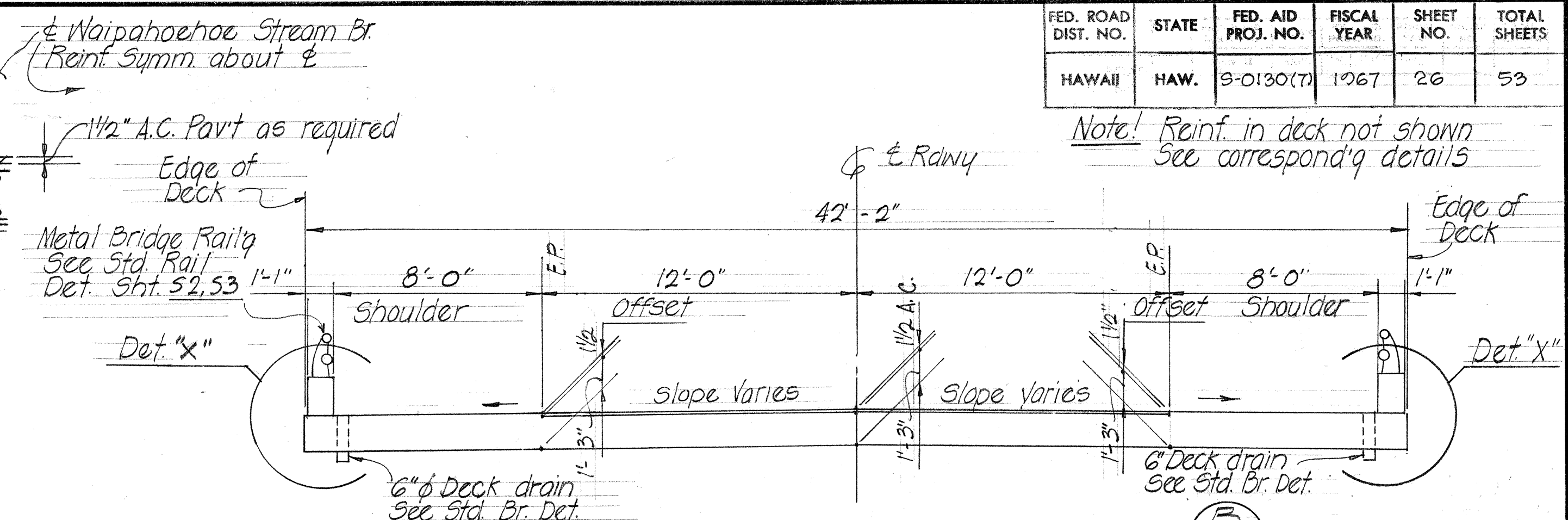
ORIGINAL PLAN	SURVEY PLOTTED BY.....		DATE.....
	DRAWN BY.....		at.....
NOTE BOOK	TRACED BY.....		at.....
	DESIGNED BY.....		at.....
	QUANTITIES BY.....		at.....
No.....	CHECKED BY.....		at.....
			

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	9-0130(7)	1967	26	53

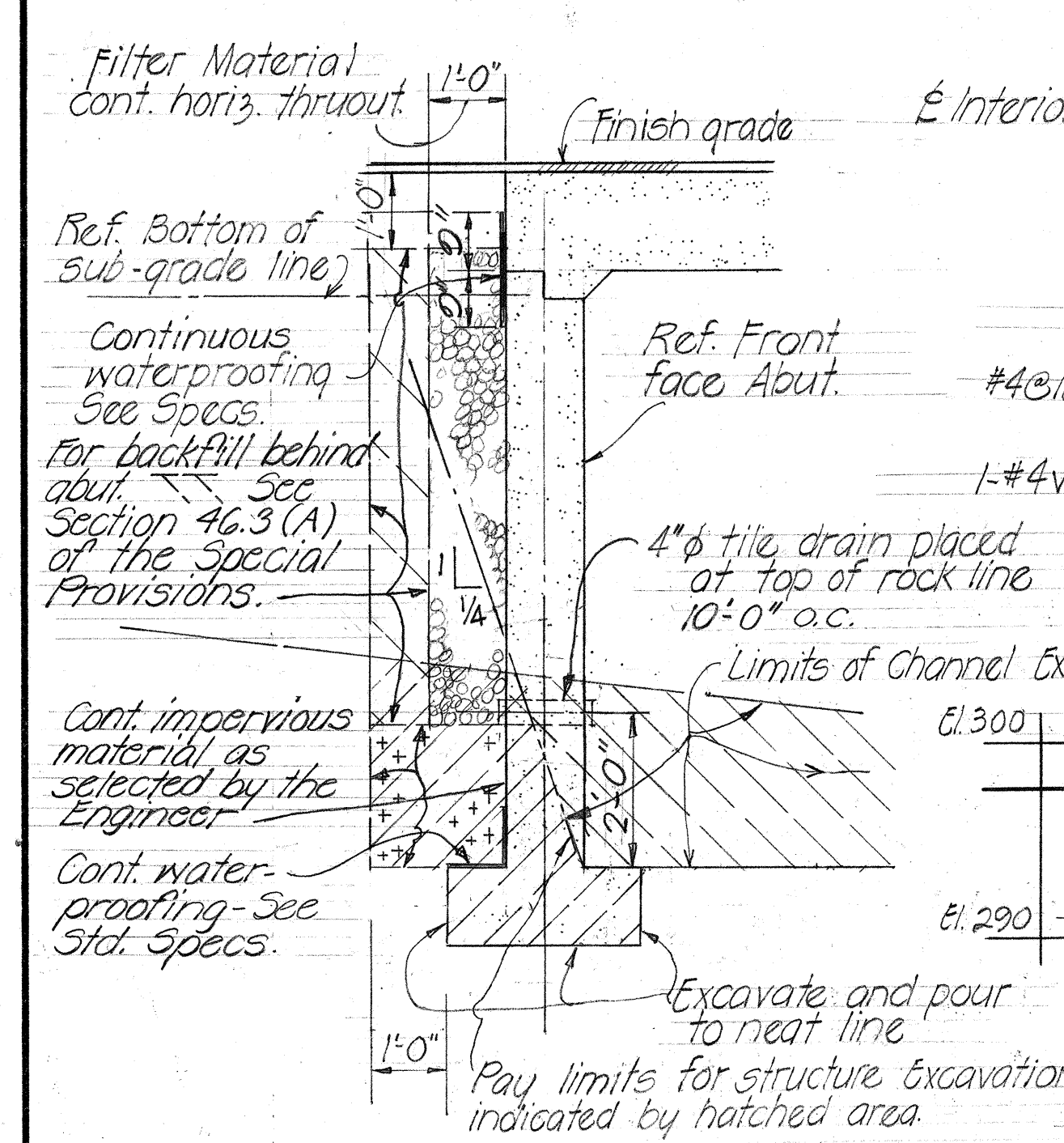
Note! Reinf. in deck not shown See correspond'g details



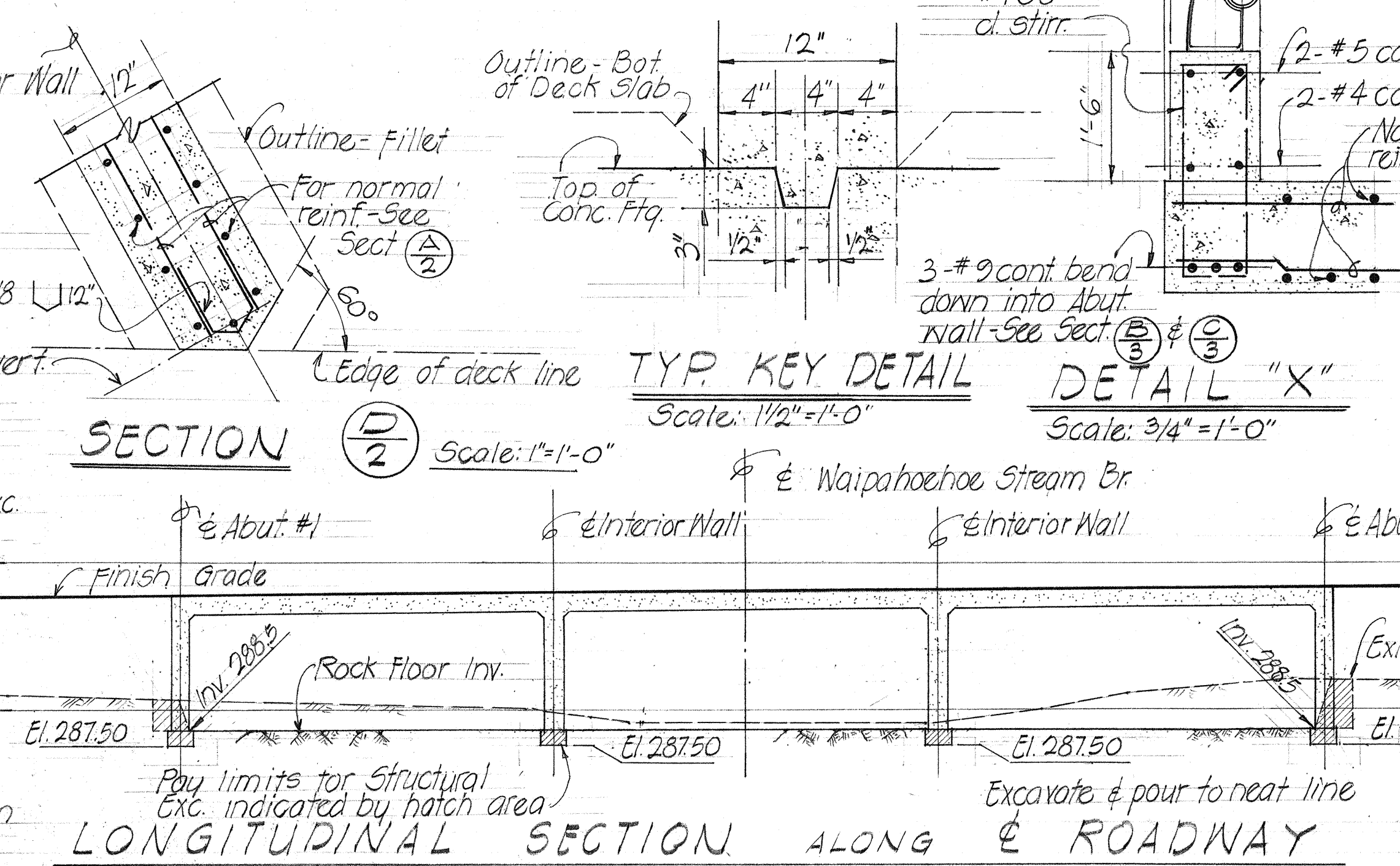
NORMAL SECTION
Scale: 1/4" = 1'-0"



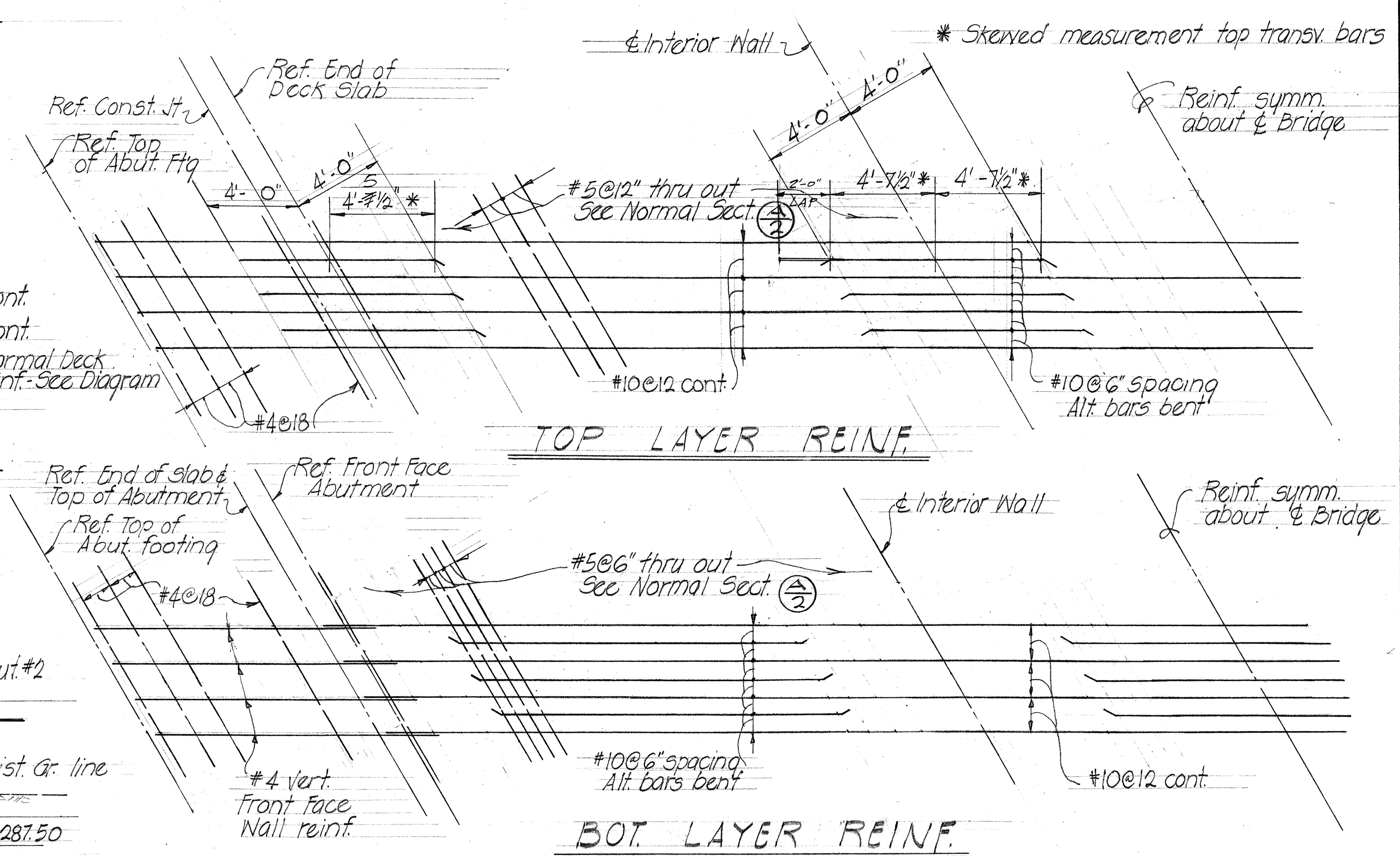
NORMAL DECK SECTION
Scale: 1/4" = 1'-0"



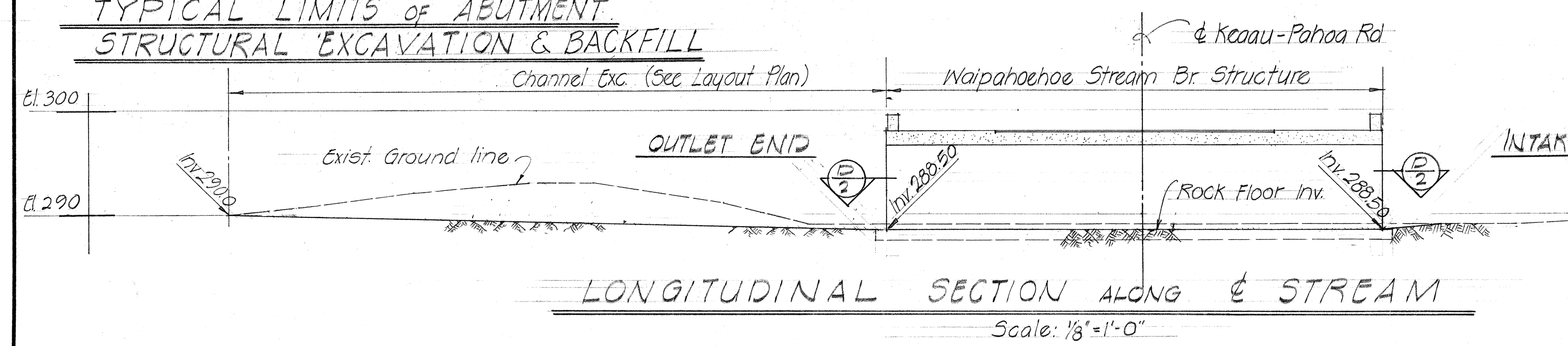
TYPICAL LIMITS OF ABUTMENT
STRUCTURAL EXCAVATION & BACKFILL



LONGITUDINAL SECTION ALONG ROADWAY
Scale: 1/8" = 1'-0"



DEVELOPED PLAN-DIAGRAM SHOWING TYPICAL
ARRANGEMENT OF DECK REINFORCEMENT



LONGITUDINAL SECTION ALONG STREAM
Scale: 1/8" = 1'-0"

NOTE: Splicing of Top Bent and Bottom #10 Continuous Bars at Interior Wall Supports, Approved by Bridge Engineer

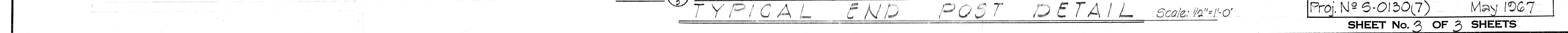
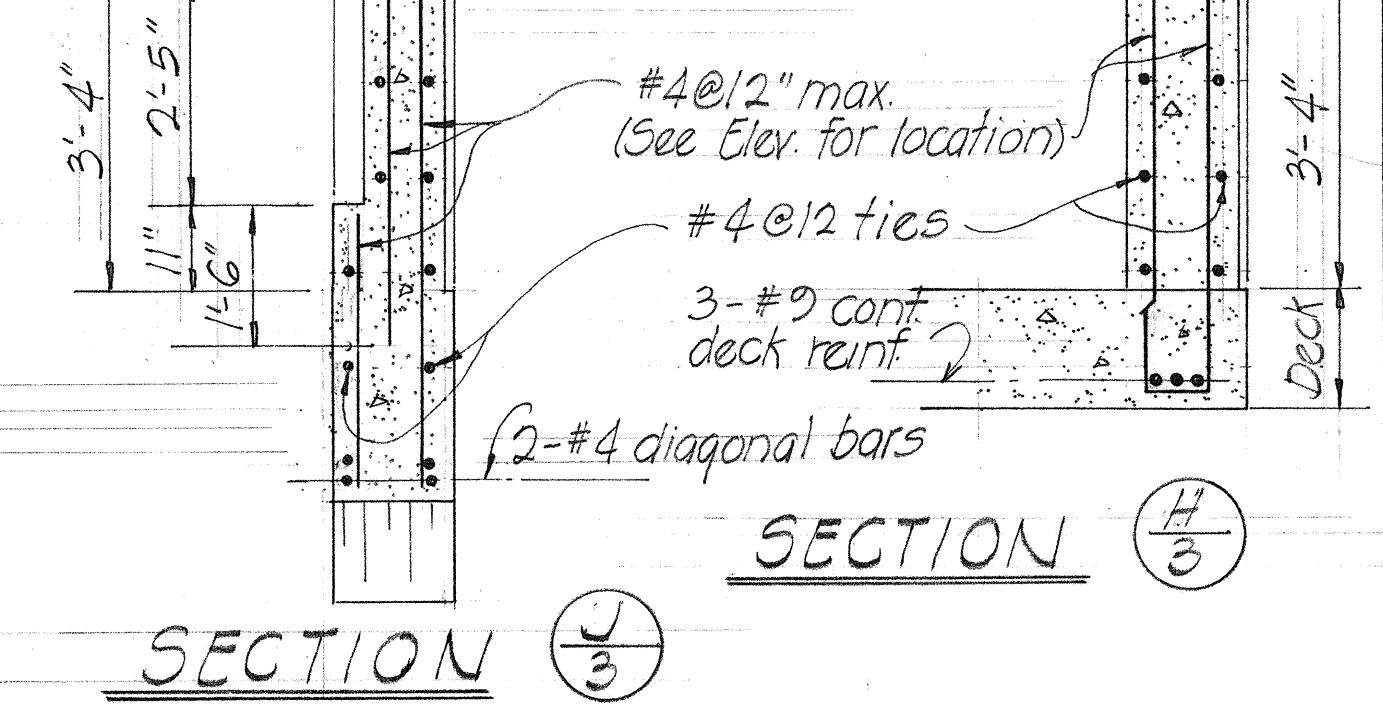
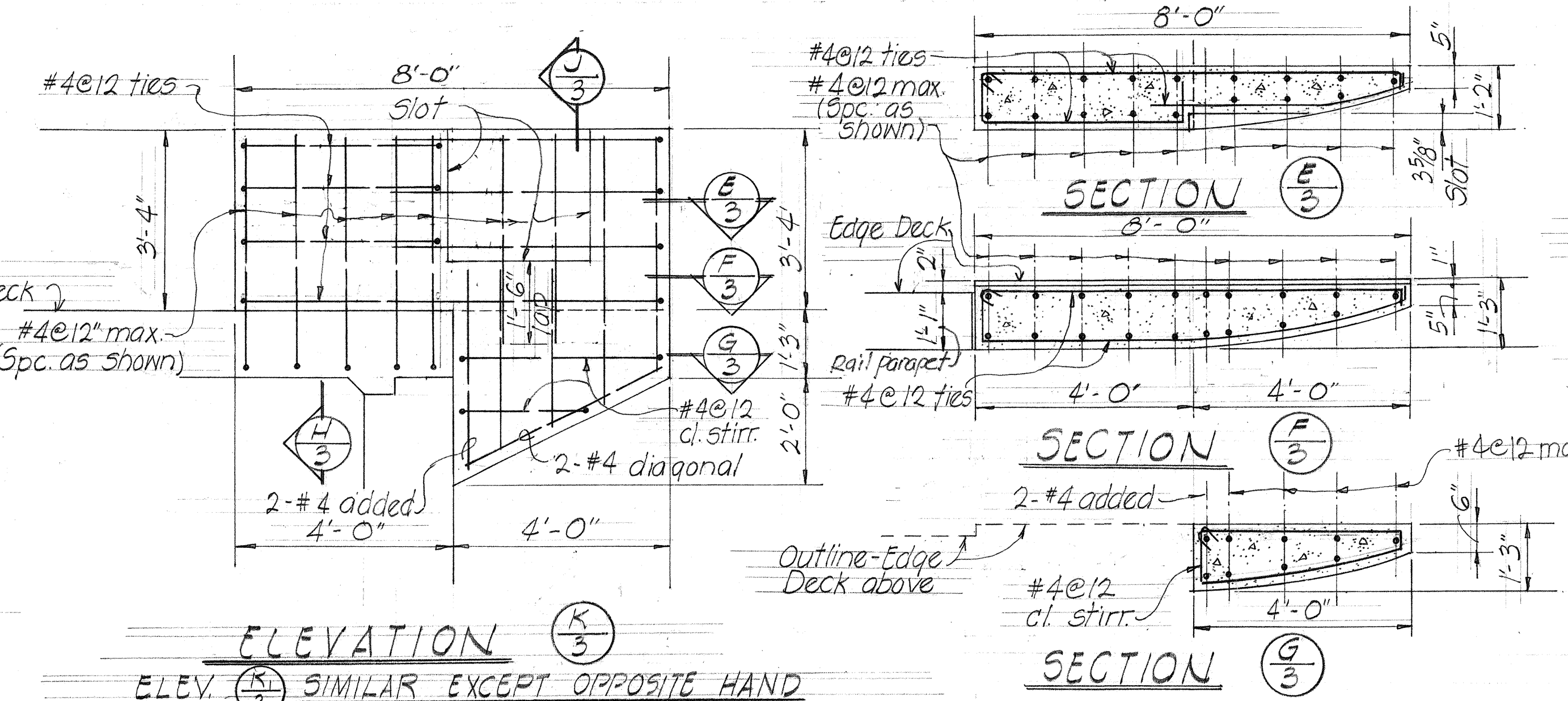
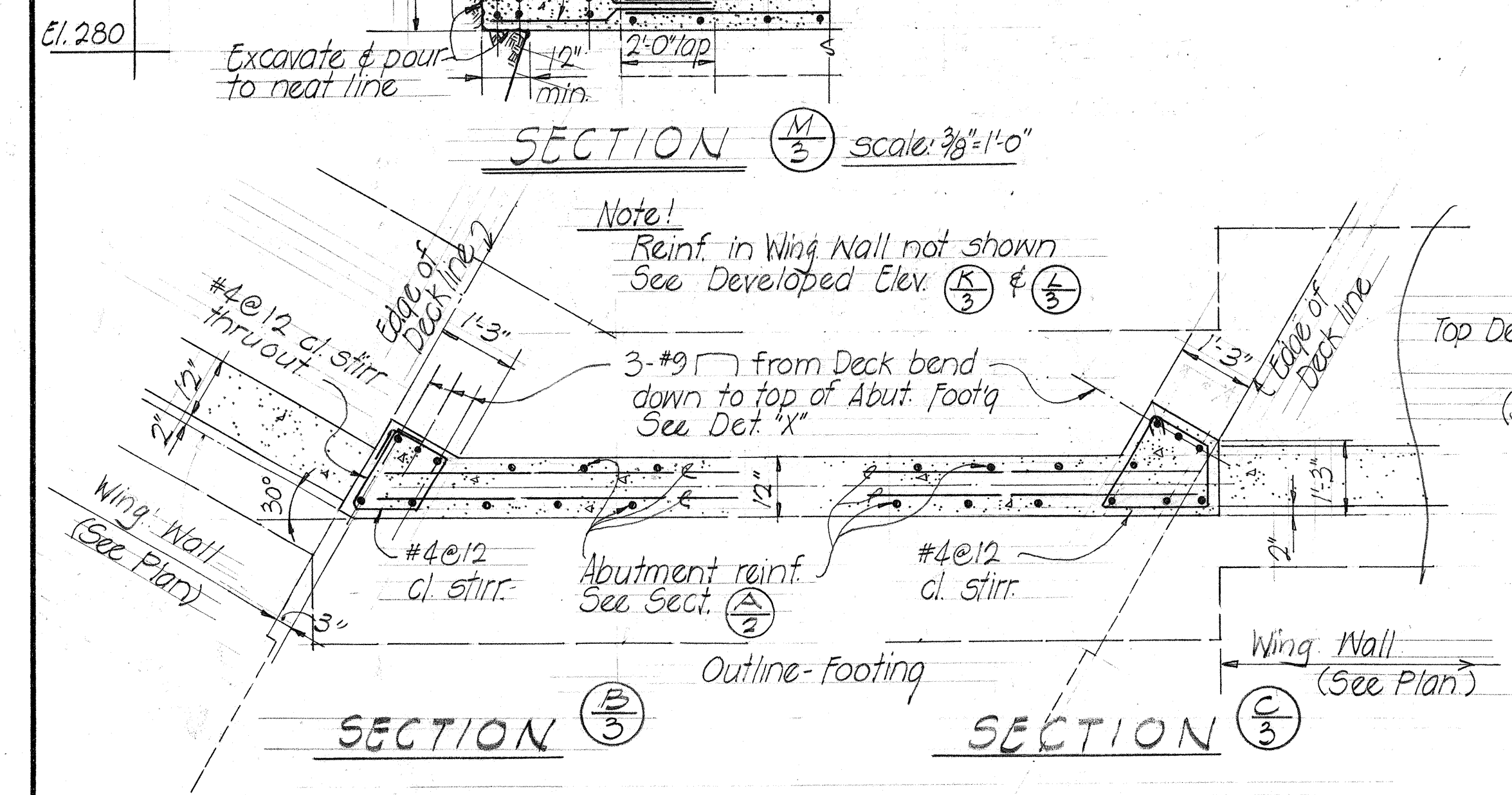
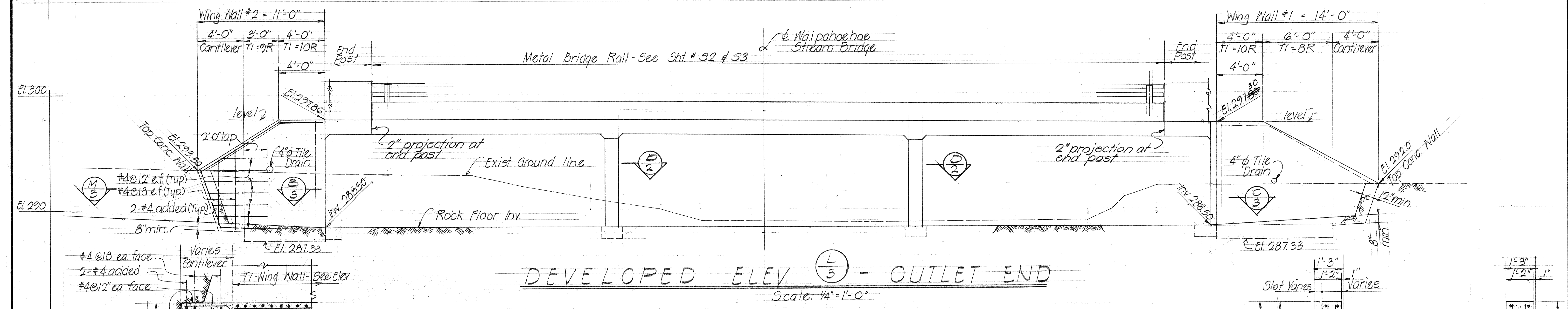
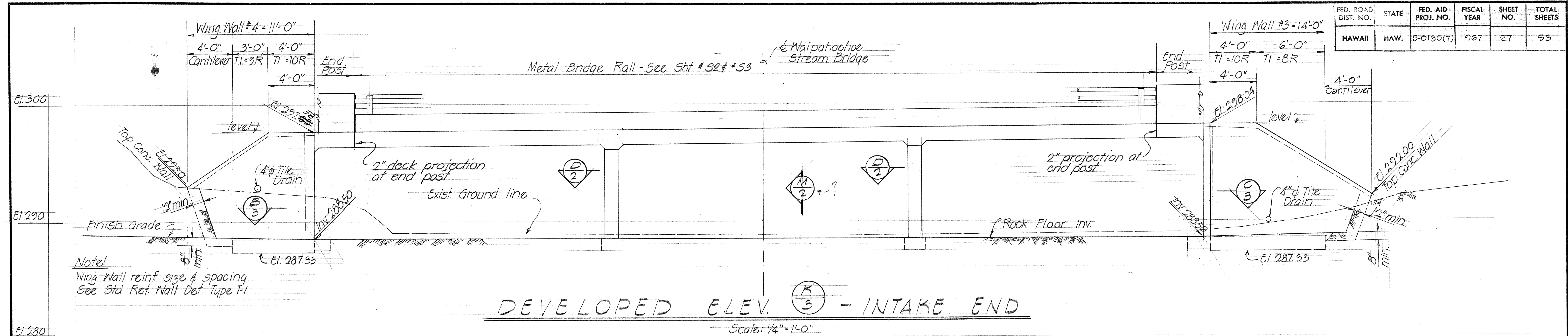
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIPAHOE STREAM BRIDGE
Sta. 164 + 10.16 to Sta. 164 + 89.84

Proj. No. 9-0130(7) May 1967
SHEET No. 2 OF 3 SHEETS

DATE	_____
SURVEYED BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0130(7)	1967	27	53



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIPAHOEHOE STREAM BRIDGE

Sta 164 + 10.16 to Sta. 164 + 80.84

Proj. No 5-0130(7) May 1967

SHEET No. 3 OF 3 SHEETS

DATE	
DESIGNED BY	
CHECKED BY	
NO.	