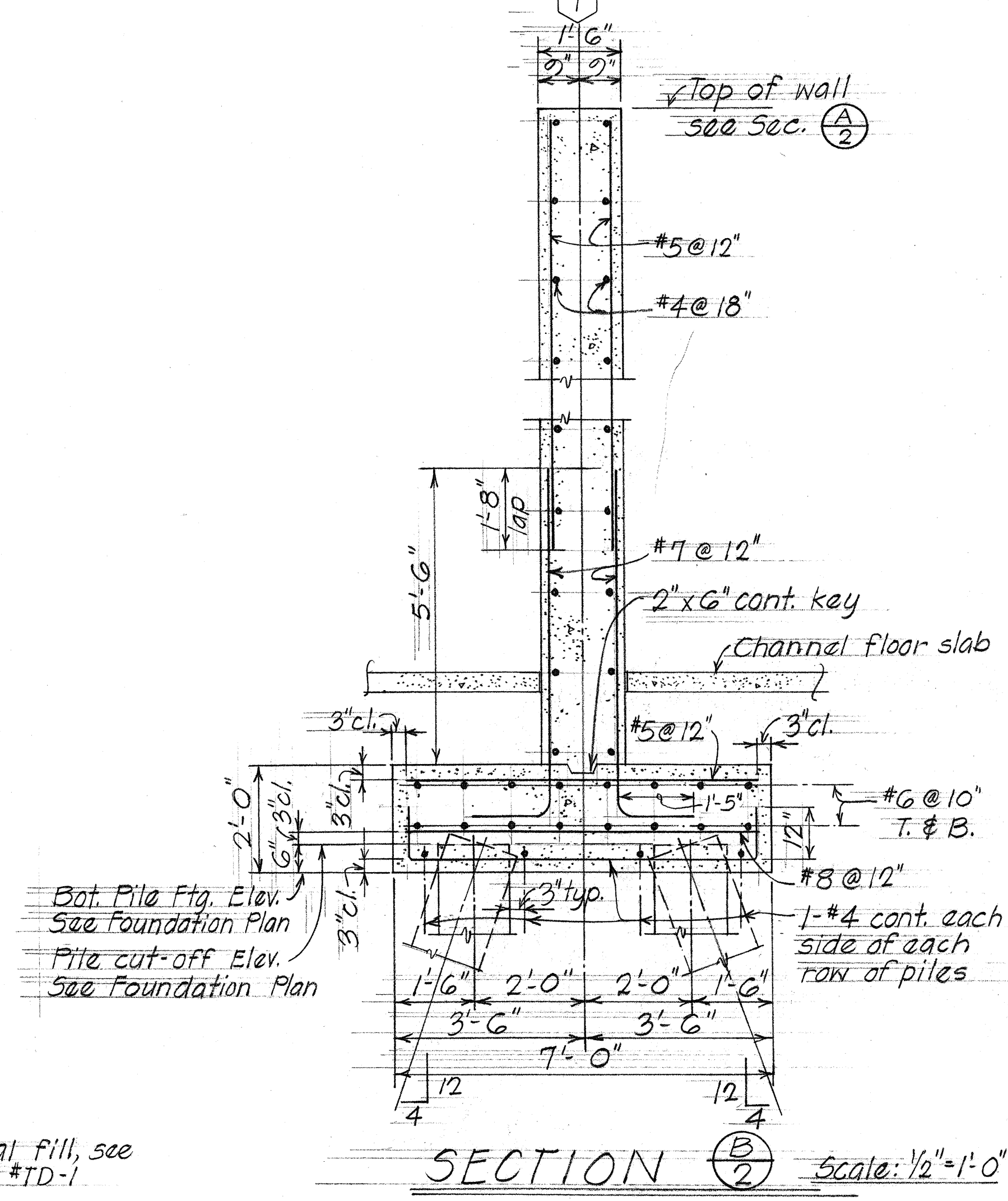
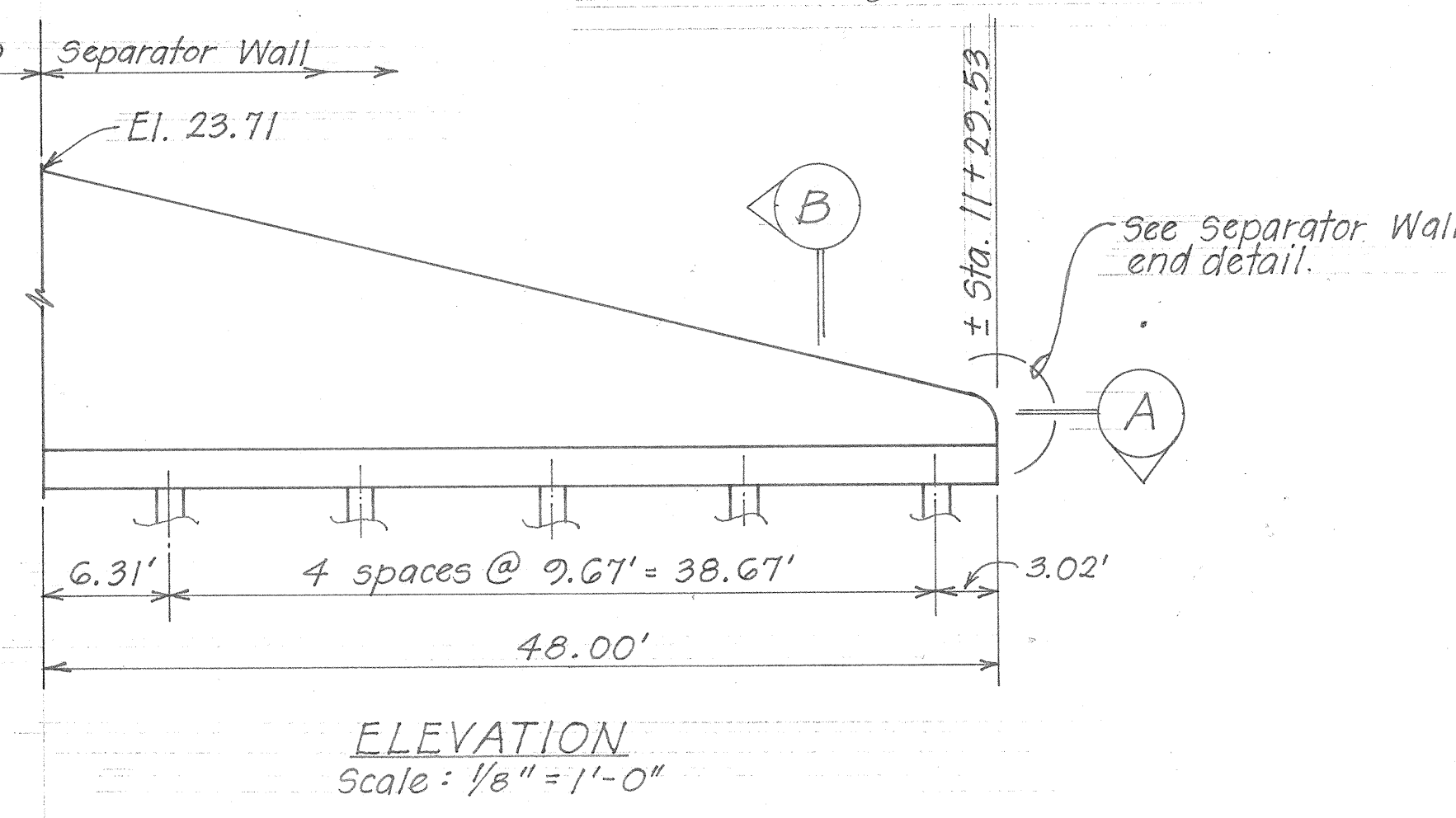
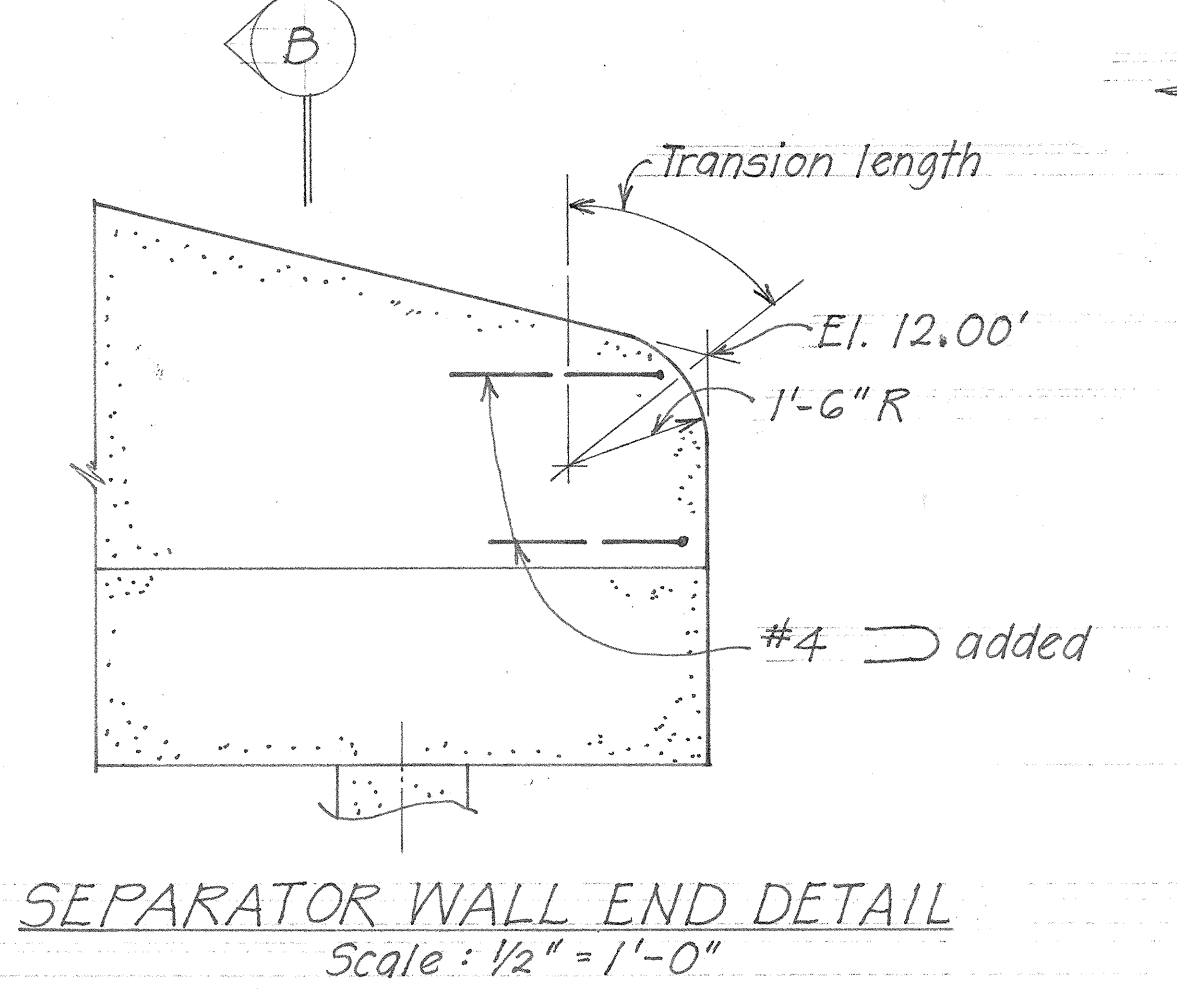
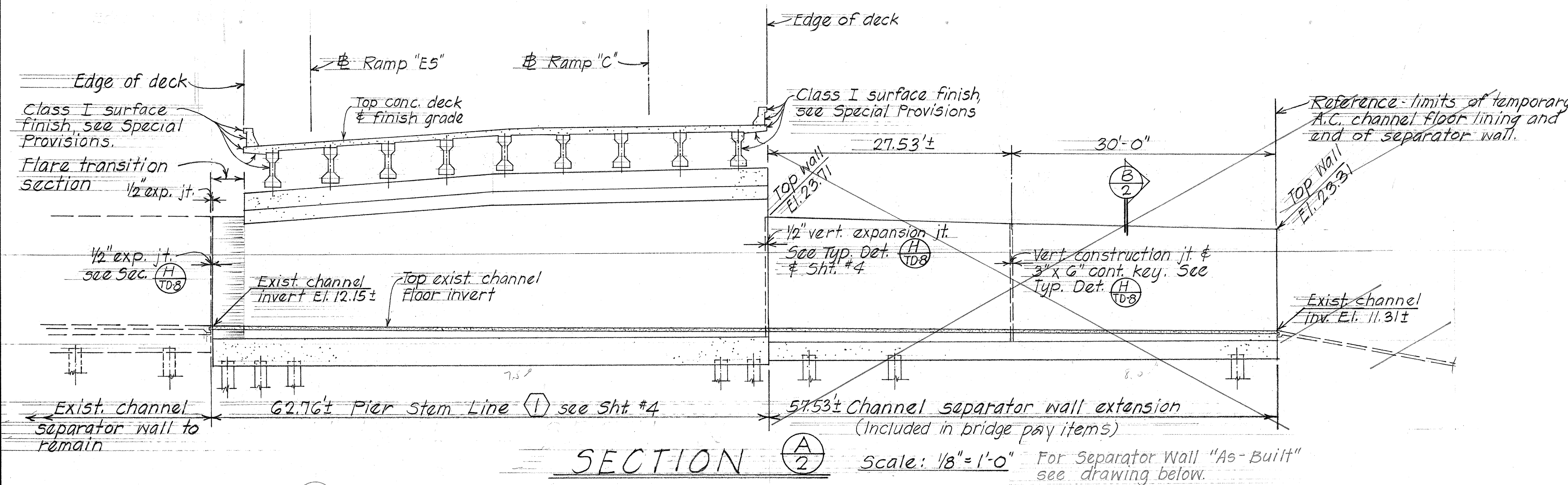
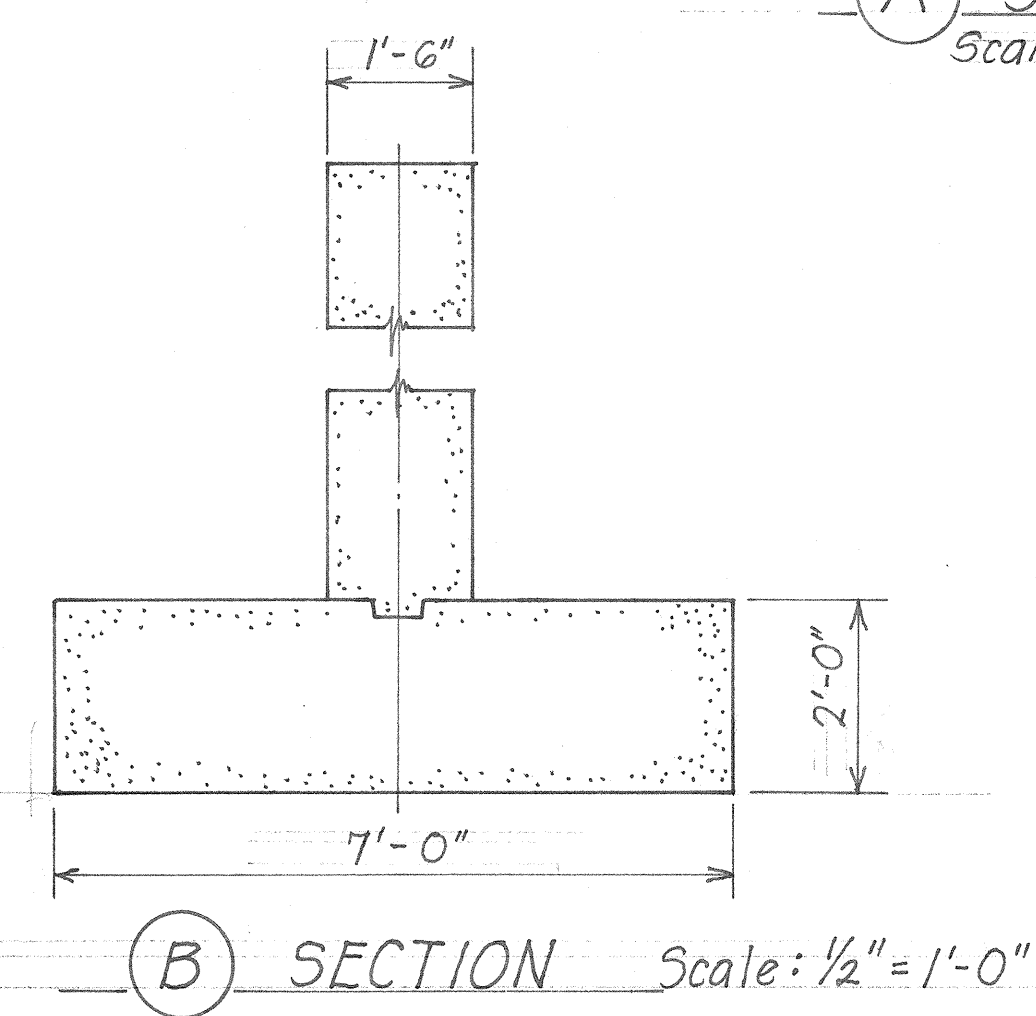
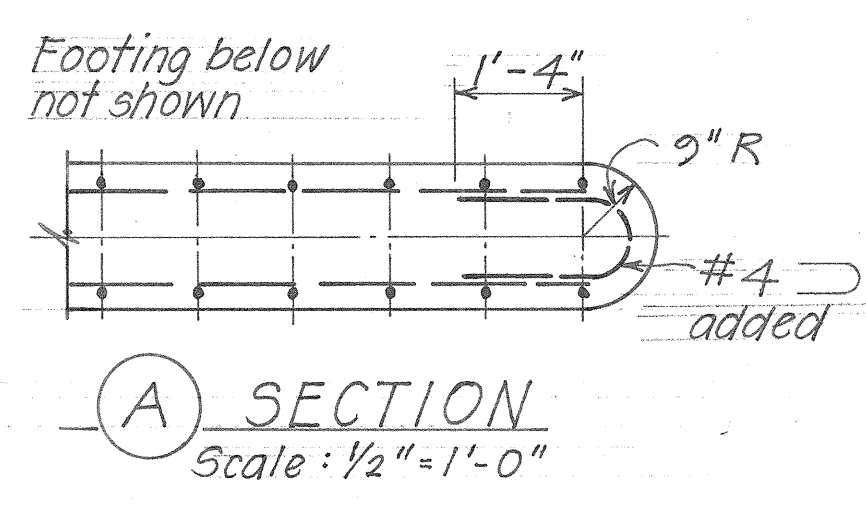


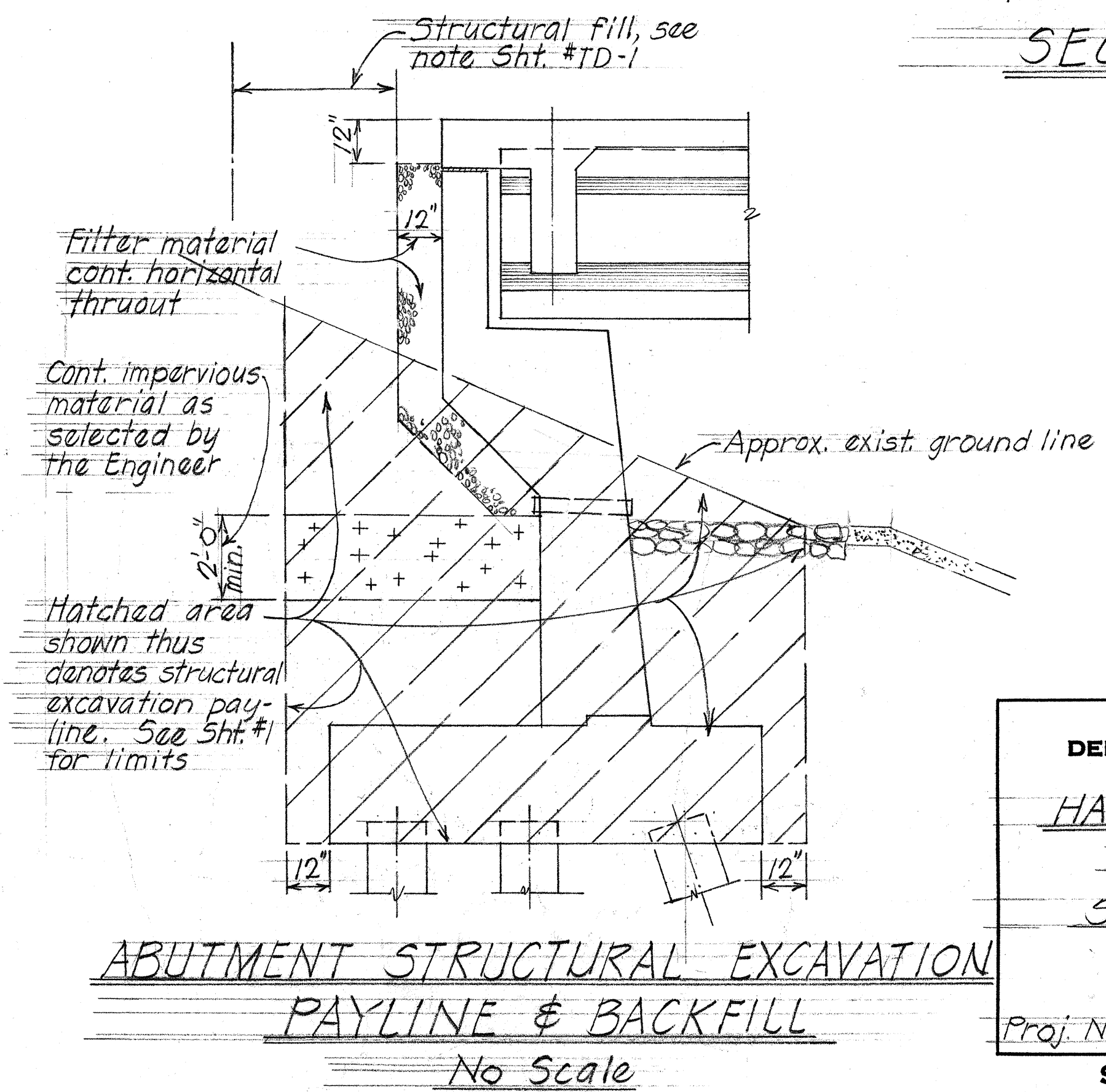
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(91)-13	1978	179	228



SURVEY PLOTTED BY	DATE
DRAWN BY	12/1/77
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



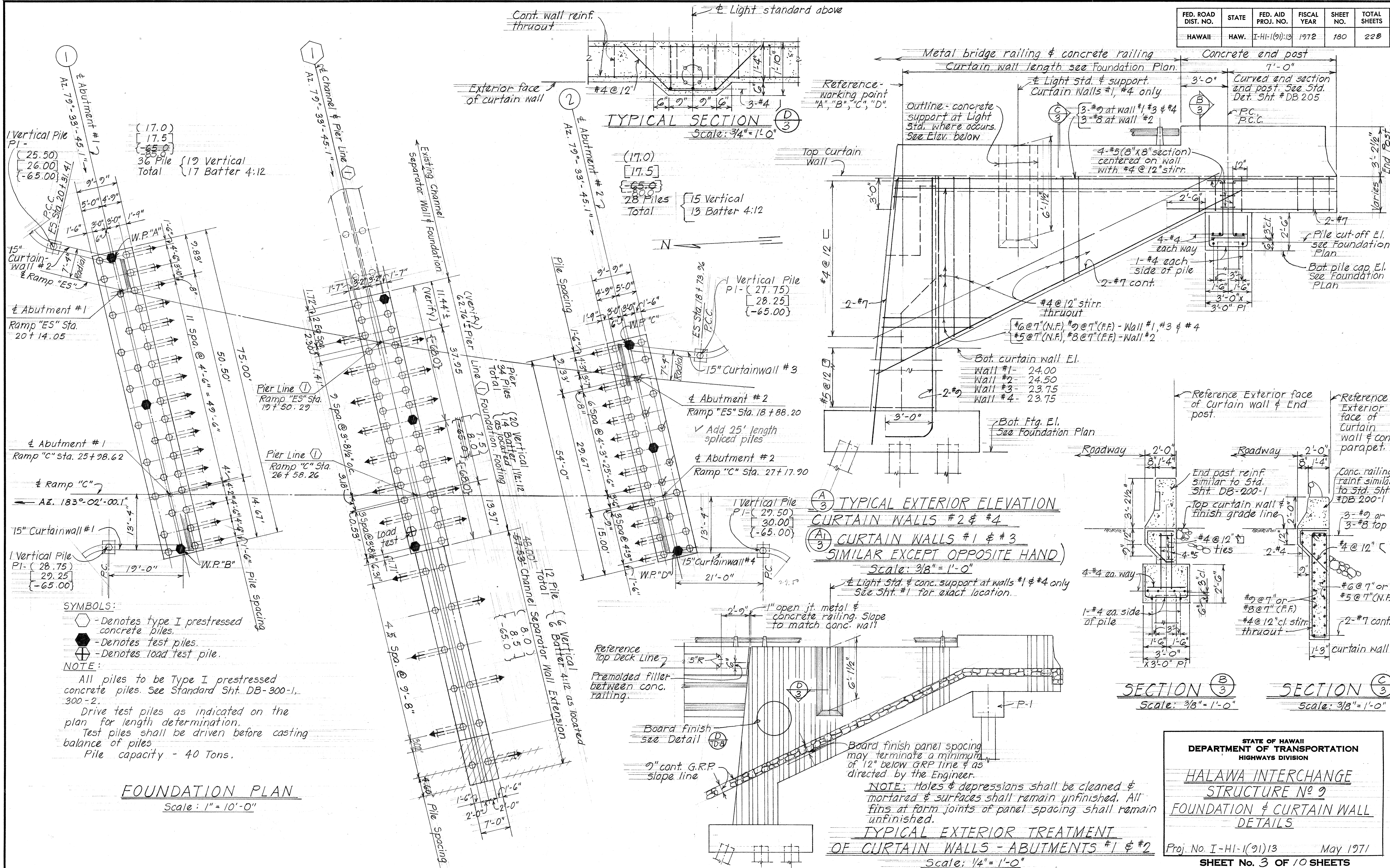
ITEM NO.	ITEM	UNIT	QUANTITY
503.078	Concrete in Structure No. 9 Footings	L.S.	(222 C.Y.)
503.077	Concrete in Structure No. 9 (Except Footing)	L.S.	(477 C.Y.)
602.014	Reinforcing Steel in Structure No. 9	L.S.	(129,700 Lbs)
612.01	Grouted Rubble Paving	C.Y.	87 C.Y.
504.35	Type III Prestressed Conc. Girder in Struct. No. 9	L.S.	(1,050 L.F.)
505.040	Precast, Prestressed Concrete Piles, Furnished	L.F.	9,531 L.F.
505.400	Precast, Prestressed Concrete Piles, Driven	L.F.	8,343 L.F.
505.800	Driving Test Piles	L.F.	806 L.F.
507.10	Metal Bridge Railing - One Rail on Parapet	L.F.	303 L.F.
507.10	Concrete Bridge Parapet, Including End Post	L.F.	343 L.F.
505.001	Pile Load Tests	Each	1-Only
206.60	Structure Excavation for Bridges	C.Y.	996 C.Y.
206.81	Filter Material for Structures	C.Y.	41 C.Y.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HALAWA INTERCHANGE
STRUCTURE NO. 9
SECTIONS & DETAILS
Proj. No. I-HI-1(91)-13 May 1977
SHEET No. 2 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(91)13	1972	180	228

DESIGNED BY	DATE
DRAWN BY	NO.
CHECKED BY	NO.
NOTED BY	NO.

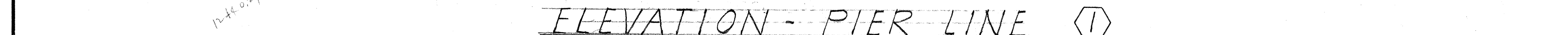


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HALAWA INTERCHANGE
STRUCTURE No. 9
FOUNDATION & CURTAIN WALL
DETAILS

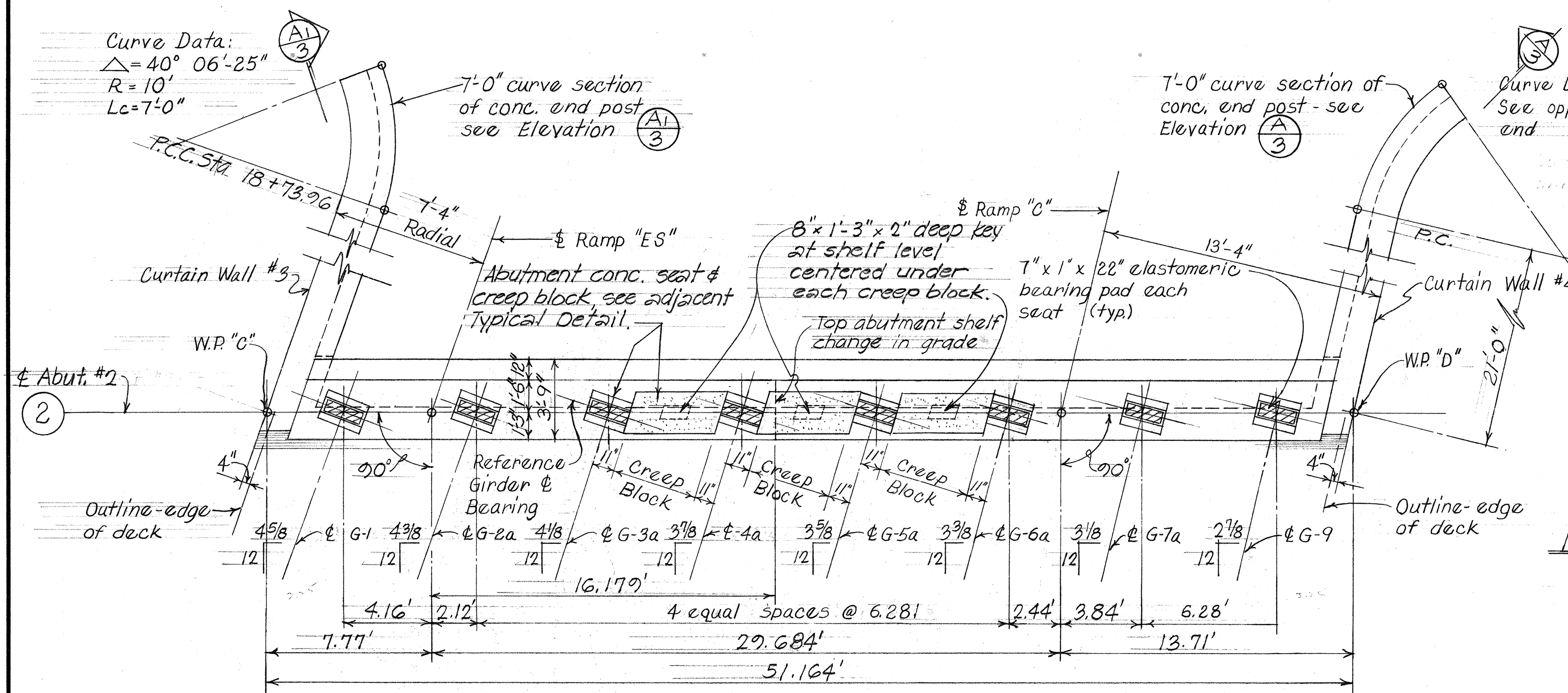
Proj. No. I-HI-1(91)13 May 1971

SHEET NO. 3 OF 10 SHEETS



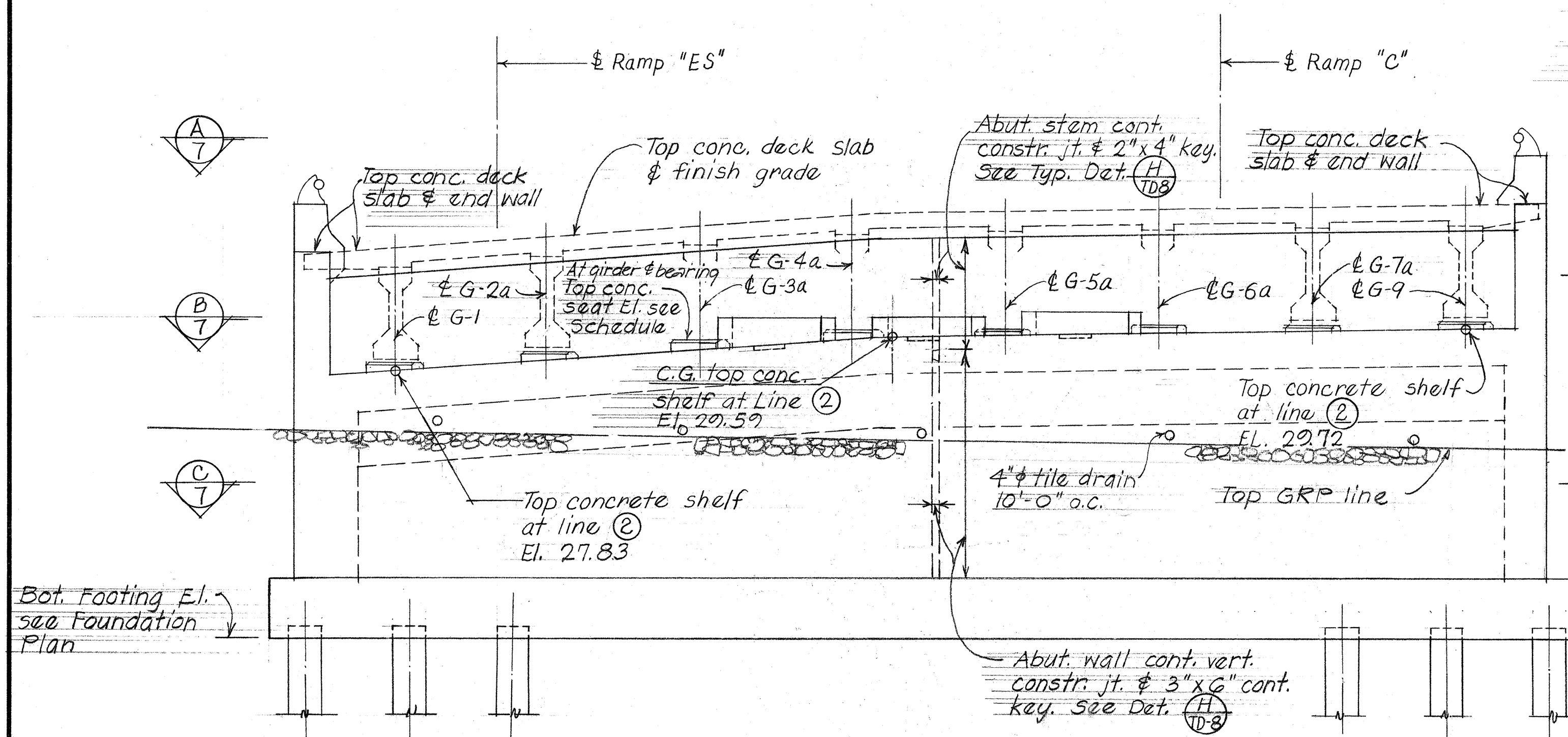
151

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(91):13	1972	183	228



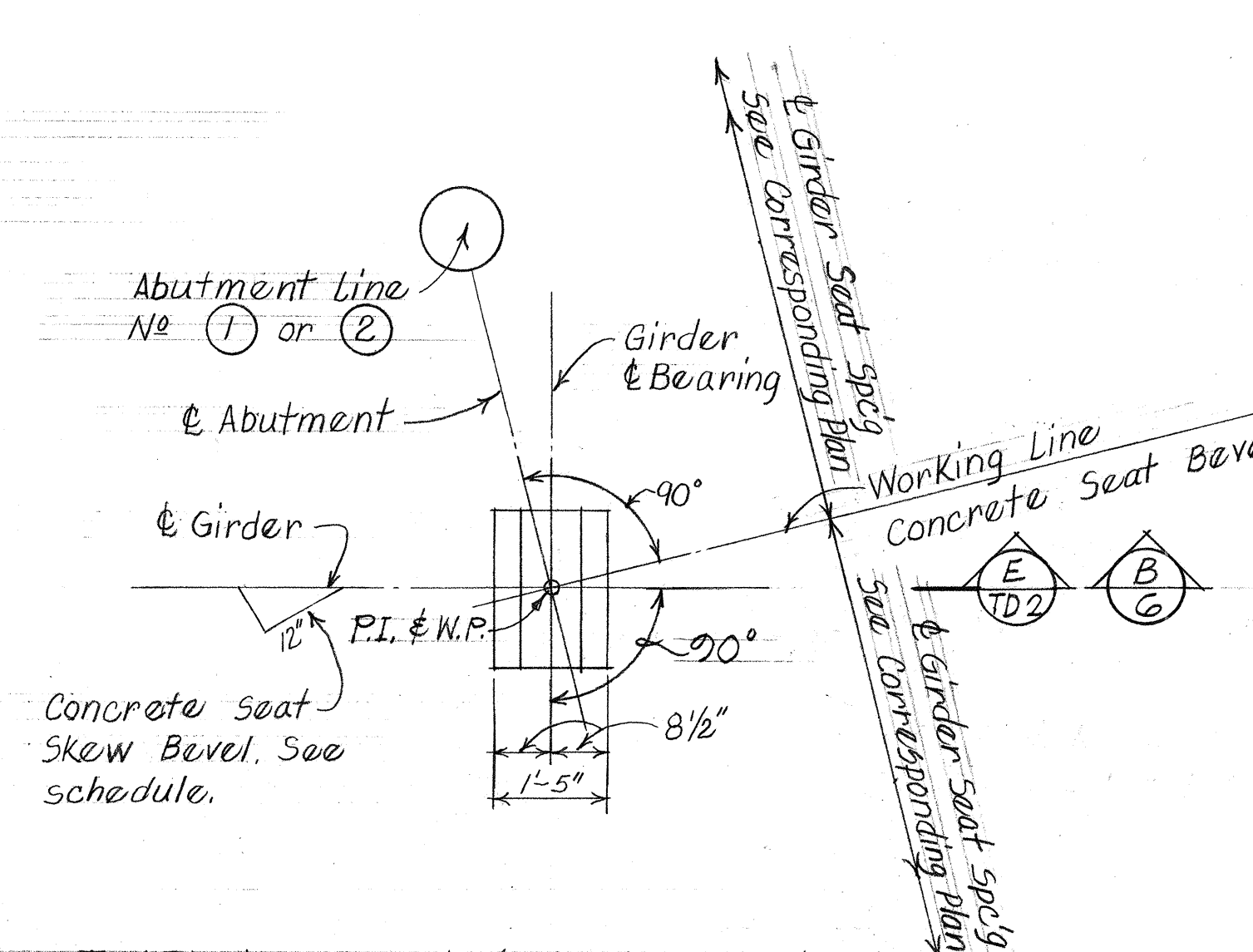
NOTE: Deck slab not shown.
Concrete seats shall be poured monolithic with abutment wall.
Creep block shall be constructed only after prestressed girders are in place.

PLAN ABUTMENT #2
Scale: 1/4" = 1'-0"

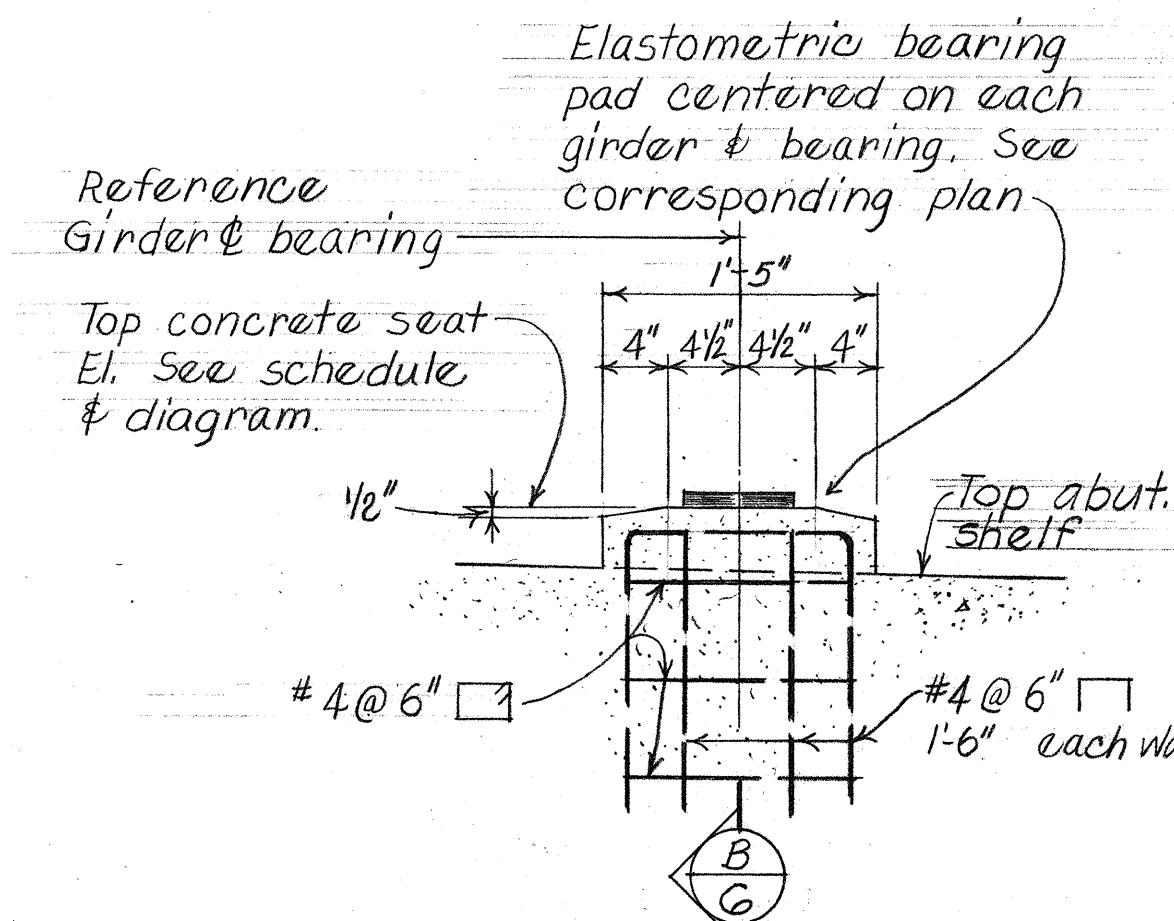


NOTE: Top concrete shelf straight line slope between change in grade elevations and shelf elevations at exterior girders.

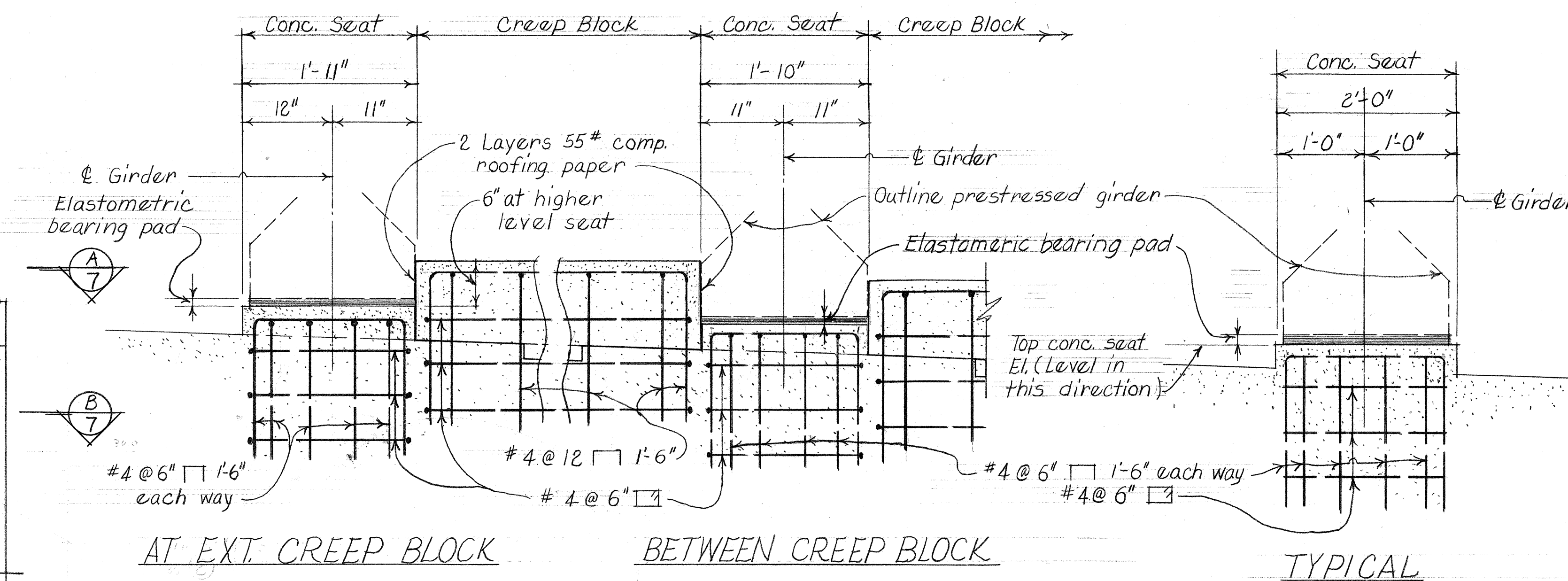
ELEVATION ABUTMENT #2
Scale: 1/4" = 1'-0"



PLAN-TYPICAL ABUTMENT GIRDER CONCRETE SEAT LOCATION DETAIL
Scale: 1/2" = 1'-0"



(A) GIRDER CONCRETE SEAT REINFORCEMENT
Scale: 1" = 1'-0"

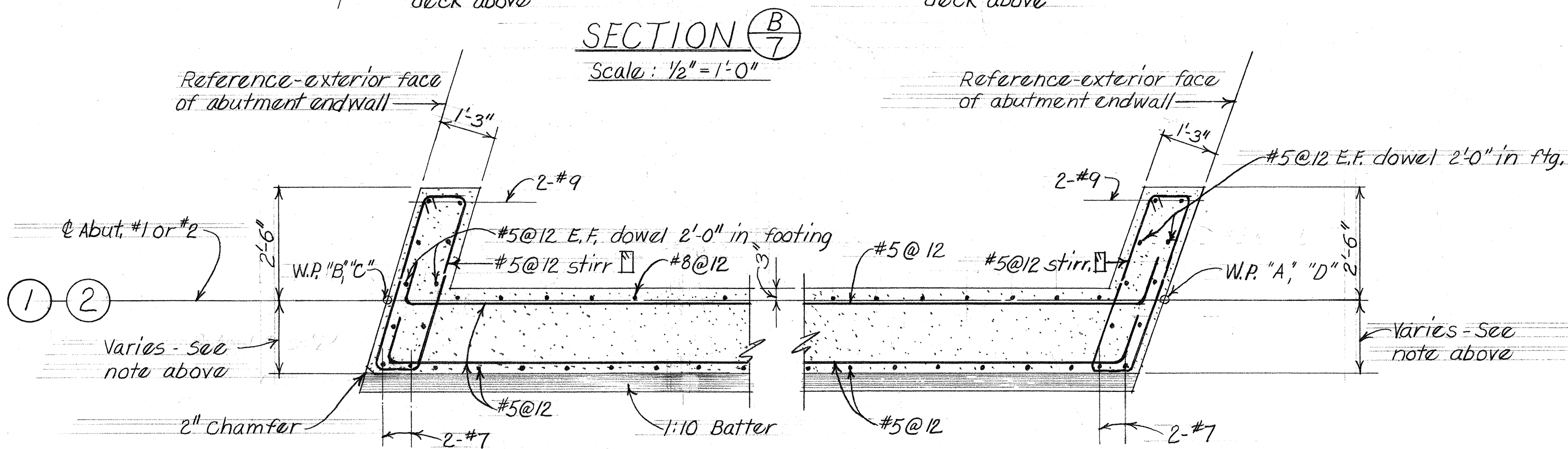
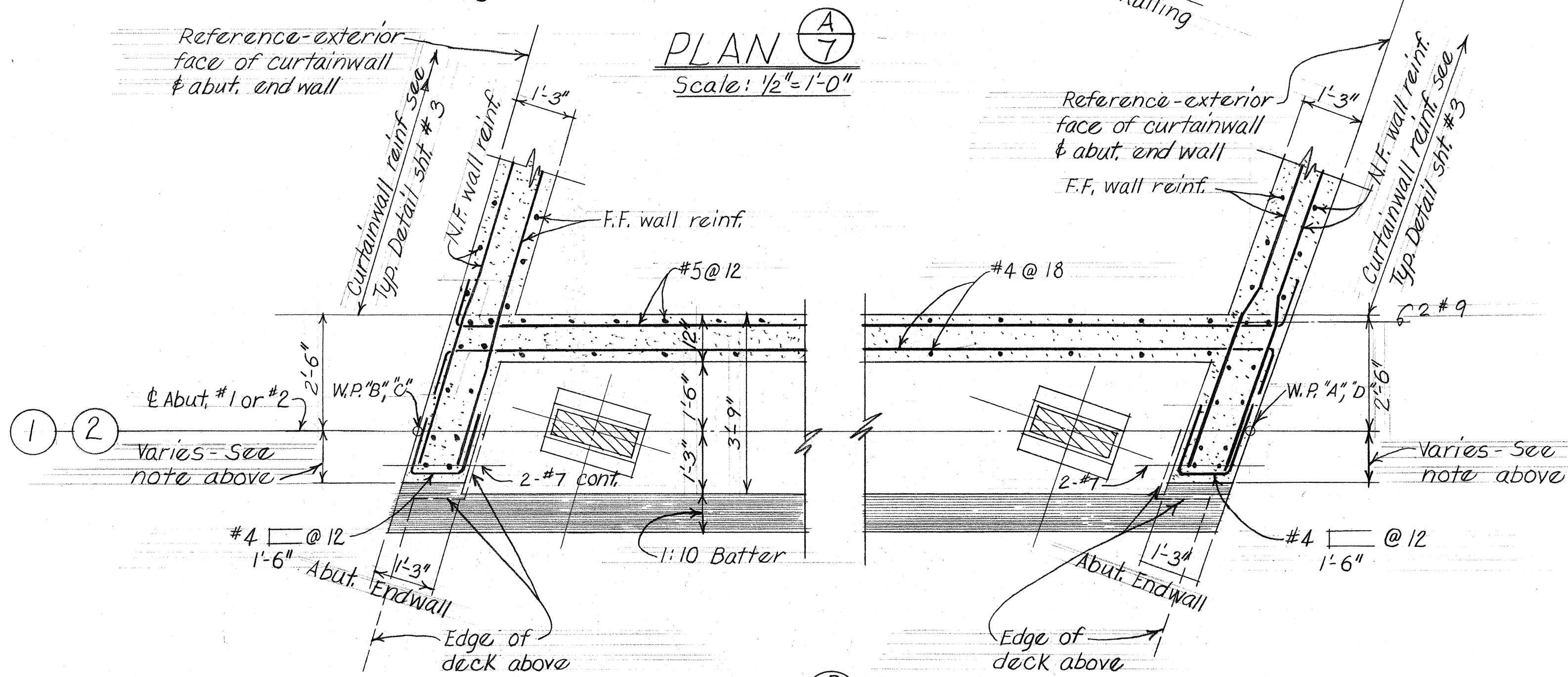
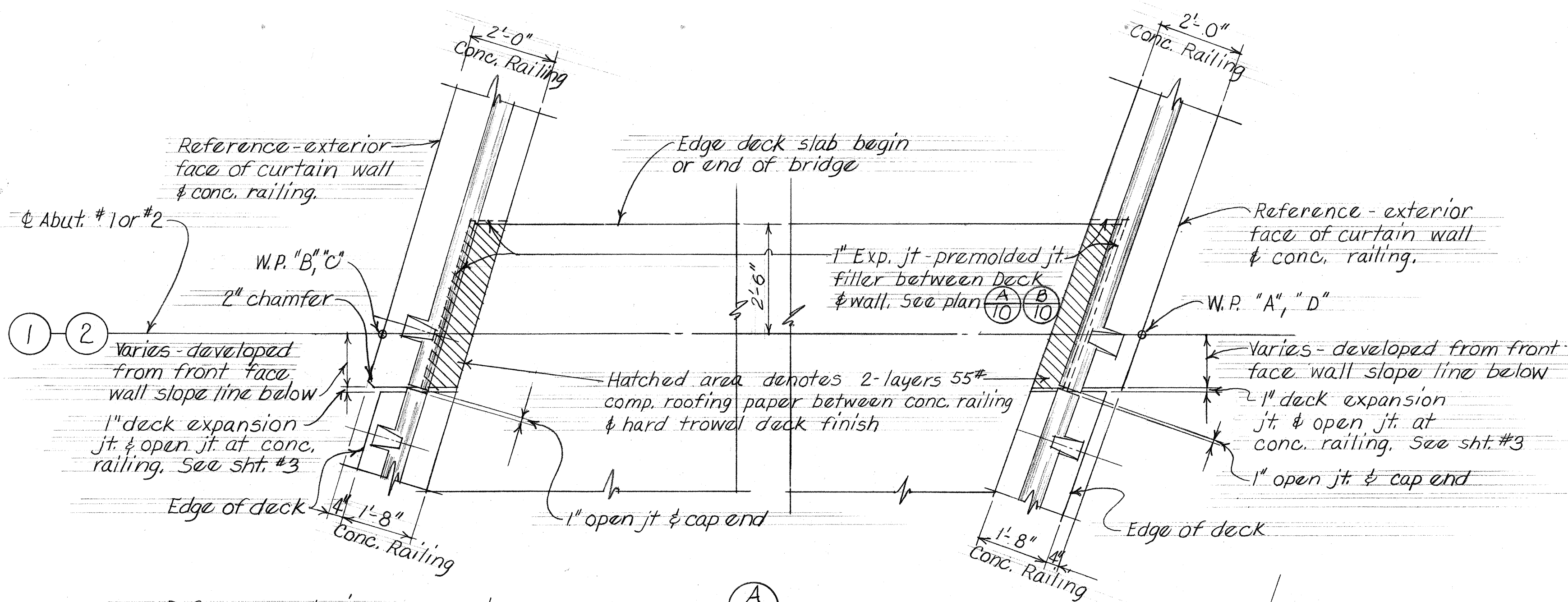


TYPICAL CONCRETE SEAT SECTION (B) 6
Scale: 1" = 1'-0"

DATE	May 1971
SURVEY PLOTTED BY	LVA
DRAWN BY	DCO
CHECKED BY	JLA
ORIGINAL PLAN	NO.
NOTE BOOK	NO.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HALAWA INTERCHANGE
STRUCTURE NO. 2
ABUTMENT NO. 2 DETAILS & SECTIONS
Proj. No. IHI-1(91):13 May 1971
SHEET No. 6 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(91):13	1972	184	228



TOP CONCRETE SEAT ELEVATION & SLOPE SCHEDULE (AT GIRDER & BEARING)

	ABUT #1	DIRECTION	1	2	DIRECTION	1	2	ABUT #2
		TOP SEAT SLOPE			TOP SEAT SLOPE			
G-1	26.94	+ 1/8 : 12	+ 27.56	27.62	+ 3/32 : 12	+ 28.08		
G-2	27.49	+ 3/32 : 12	+ 28.03					
G-2a				28.15	+ 3/32 : 12	+ 28.55		
G-3	28.06	+ 1/16 : 12	+ 28.50					
G-3a				28.69	+ 1/16 : 12	+ 29.01		
G-4	28.52	+ 1/16 : 12	+ 28.97					
G-4a				29.17	+ 1/16 : 12	+ 29.48		
G-5	28.79	+ 3/32 : 12	+ 29.34					
G-5a				29.46	+ 1/32 : 12	+ 29.67		
G-6	29.06	+ 3/32 : 12	+ 29.50					
G-6a				29.57	+ 1/32 : 12	+ 29.77		
G-7	29.21	+ 1/16 : 12	+ 29.60					
G-7a				29.69	+ 1/32 : 12	+ 29.87		
G-8	29.33	+ 1/16 : 12	+ 29.69					
G-9	29.46	+ 1/16 : 12	+ 29.79	29.80	+ 1/32 : 12	+ 29.97		

NOTE: Refer to sheets #6, TD-2 for seat detail and schedule designations.

DATE	11/1/71
DESIGNED BY	L.M.
DRAWN BY	W.V.
CHECKED BY	W.V.
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HALAWA INTERCHANGE
STRUCTURE No 9

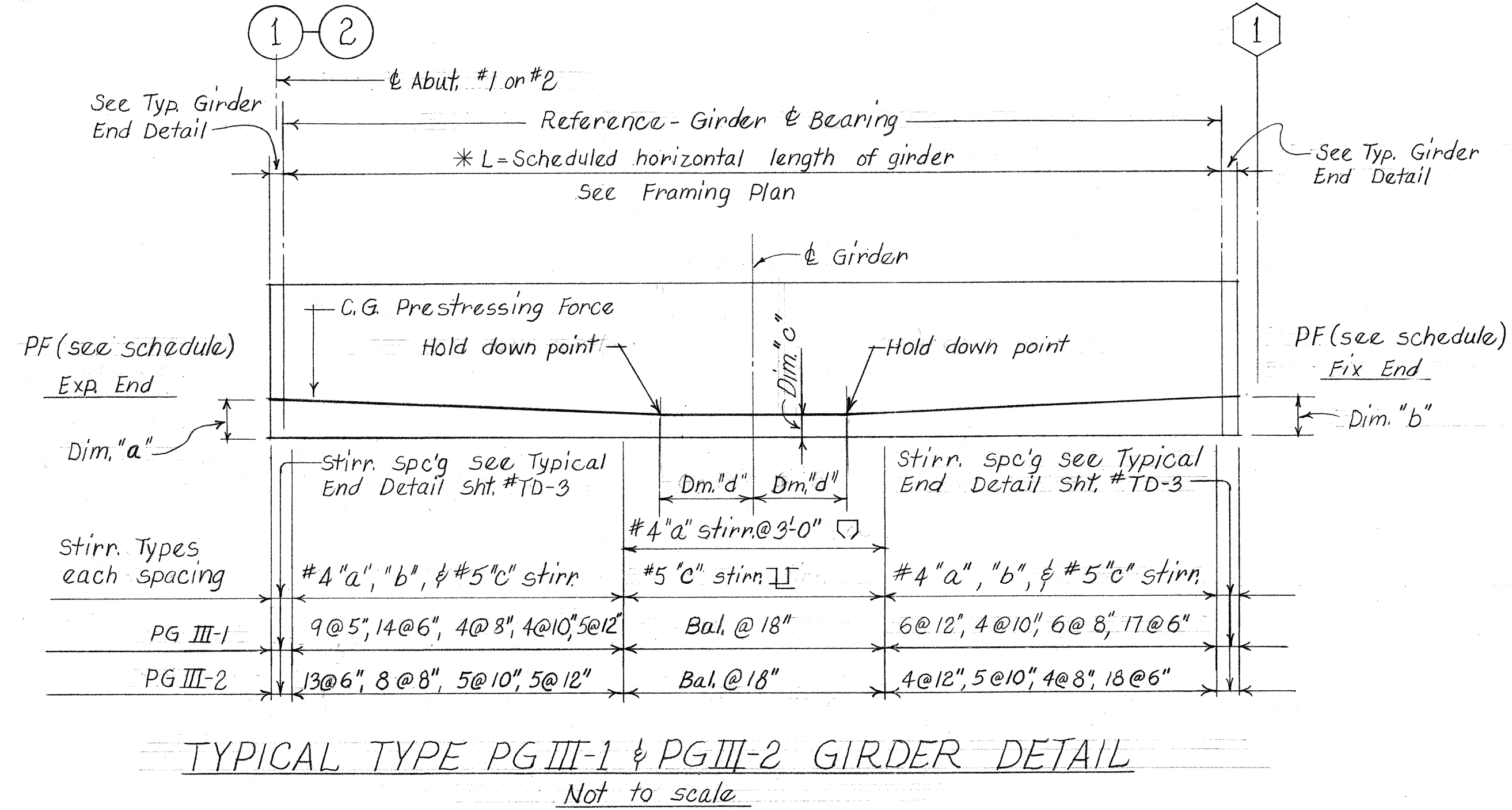
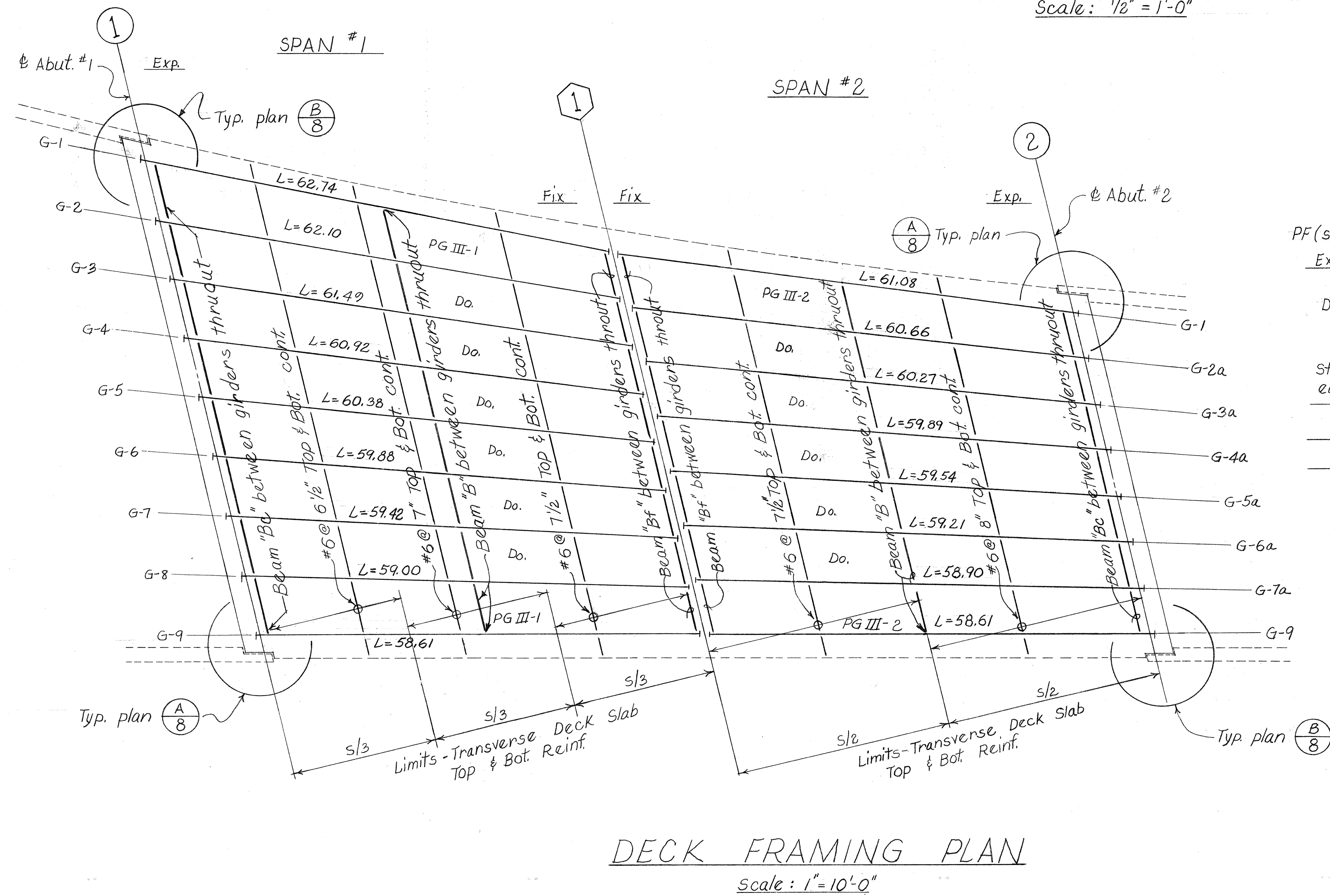
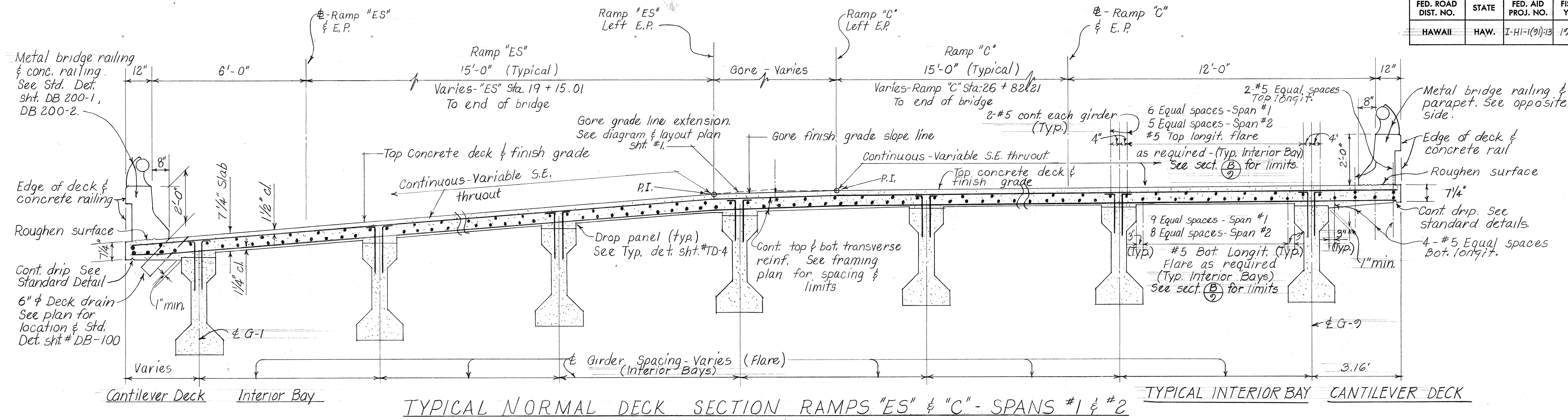
ABUTMENT No 1 & 2
SCHEDULE & SECTION

Proj. No I-HI-1(91):13 May 1971

SHEET No. 7 OF 10 SHEETS

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(91):13	1972	185	228



PRESTRESSED GIRDER SCHEDULE					
Girder Type	Dim. "a"	Dim. "b"	Dim. "c"	Dim. "d"	Working Force PF
PG-III-1	11 1/4"	11 1/4"	7 3/16"	6'-3"	612 K
PG-III-2	11 1/4"	11 1/4"	7 1/4"	6'-3"	565 K

NOTE:
* Girder dimension L = Horizontal measurement between girder & bearings each end of girder. The contractor shall determine the total length of girder.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

HALAWA INTERCHANGE

STRUCTURE No 9

DECK FRAMING PLAN

SECTION & DETAIL

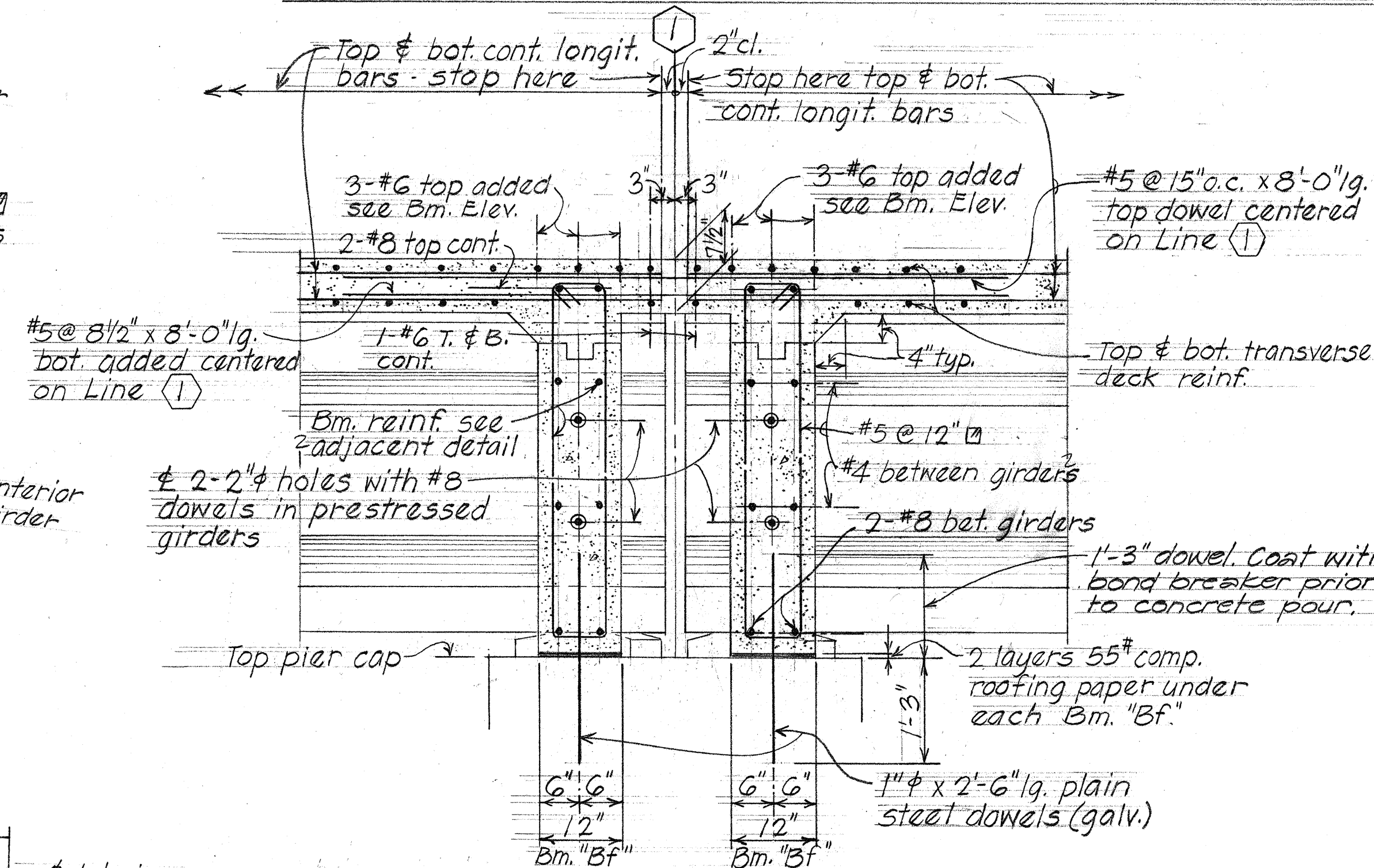
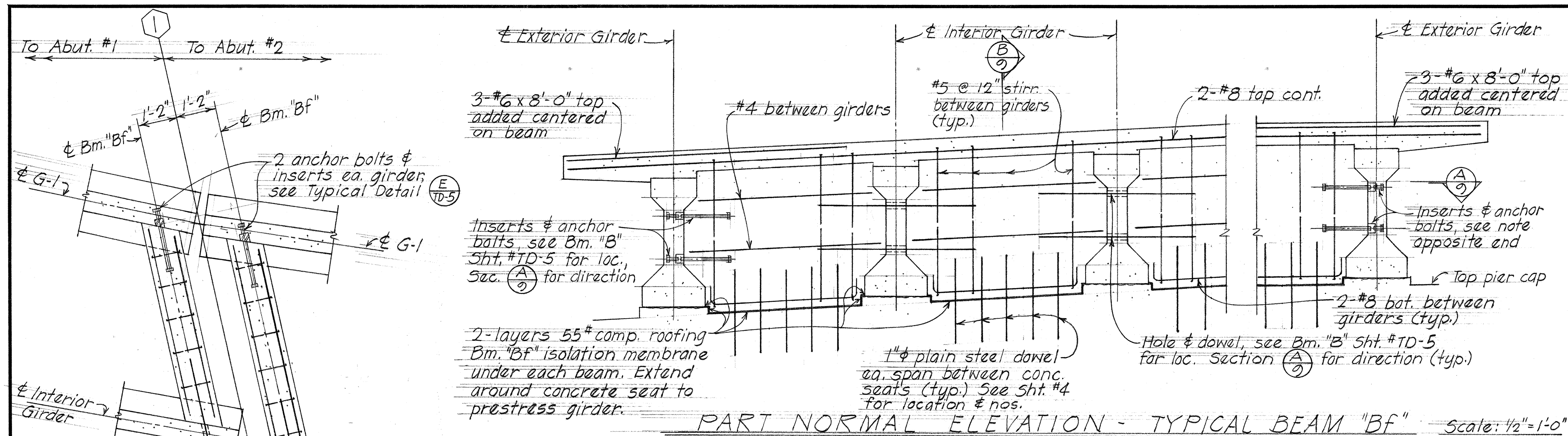
Proj. No I-HI-1(91):13

May 1971

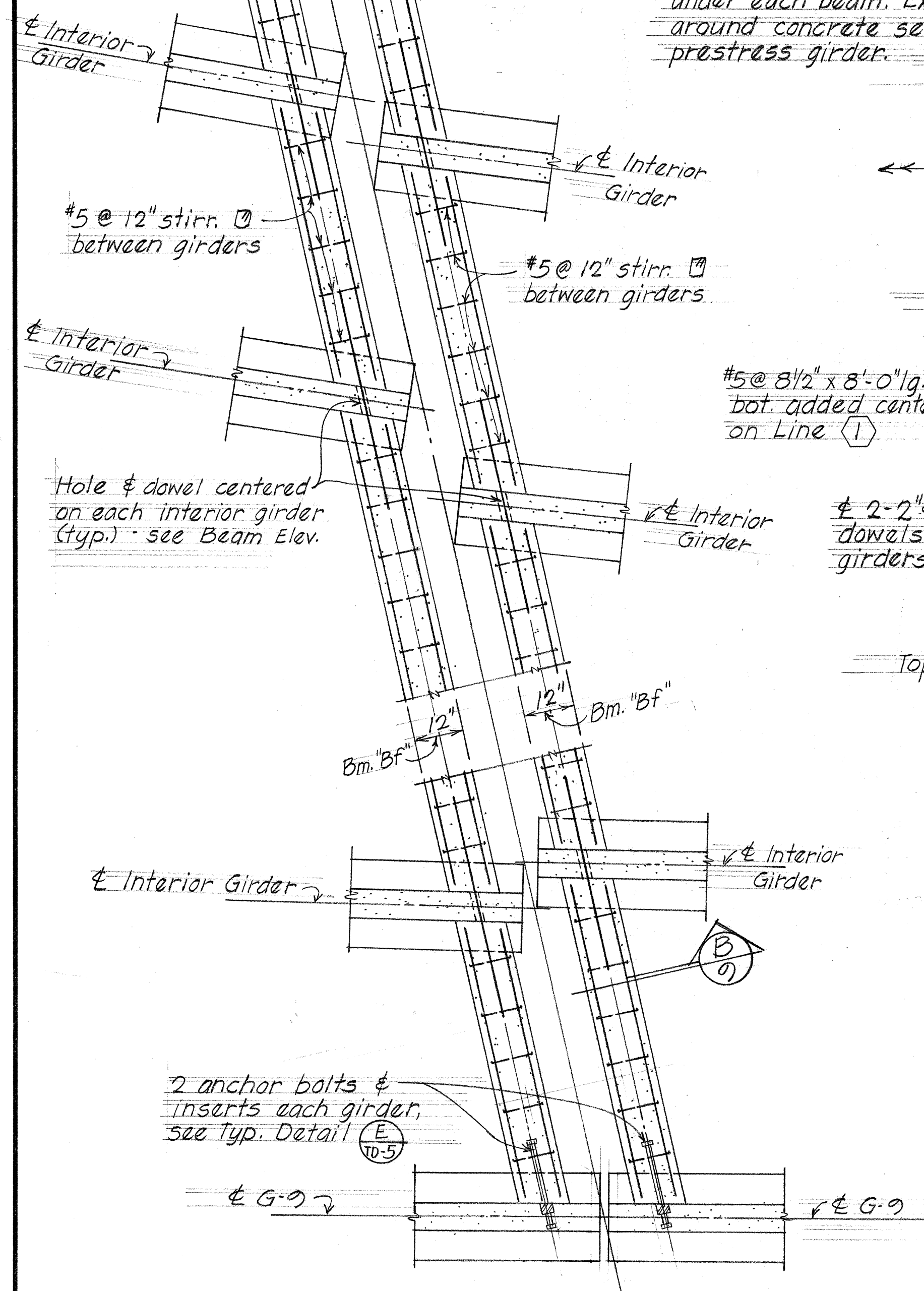
SHEET No. 8 OF 10 SHEETS

ORIGINAL PLAN	DATE
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

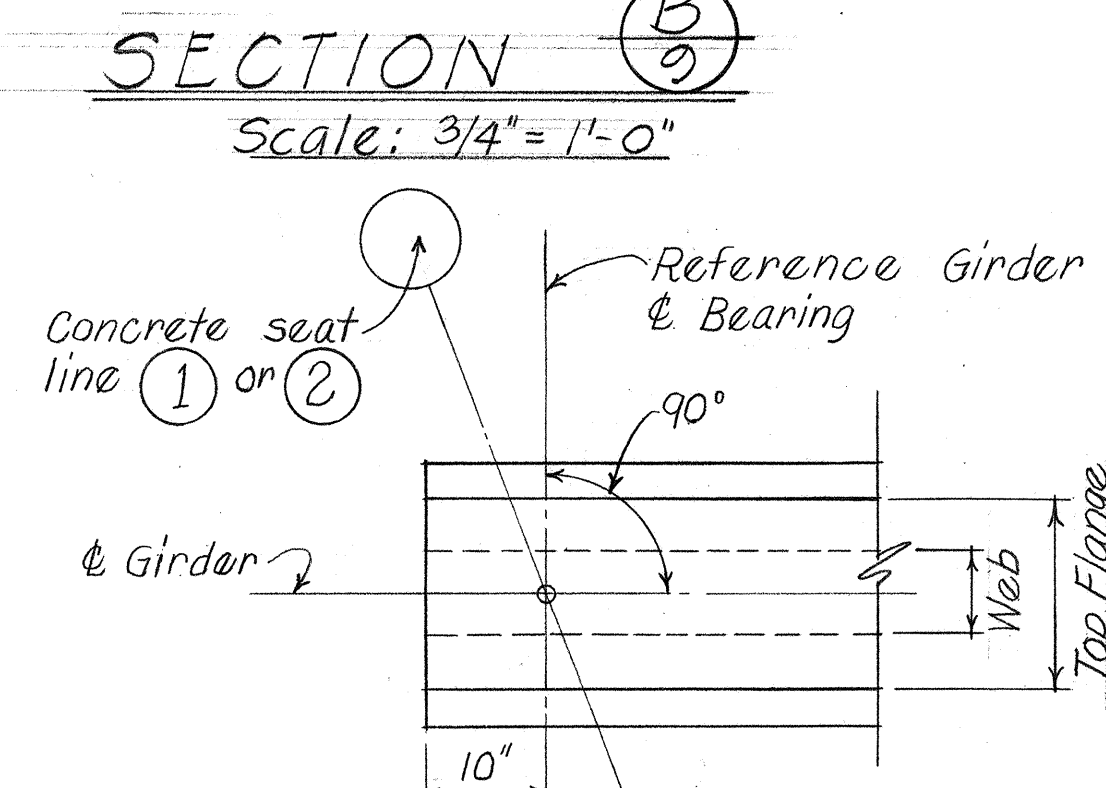
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(91)13	1972	186	228



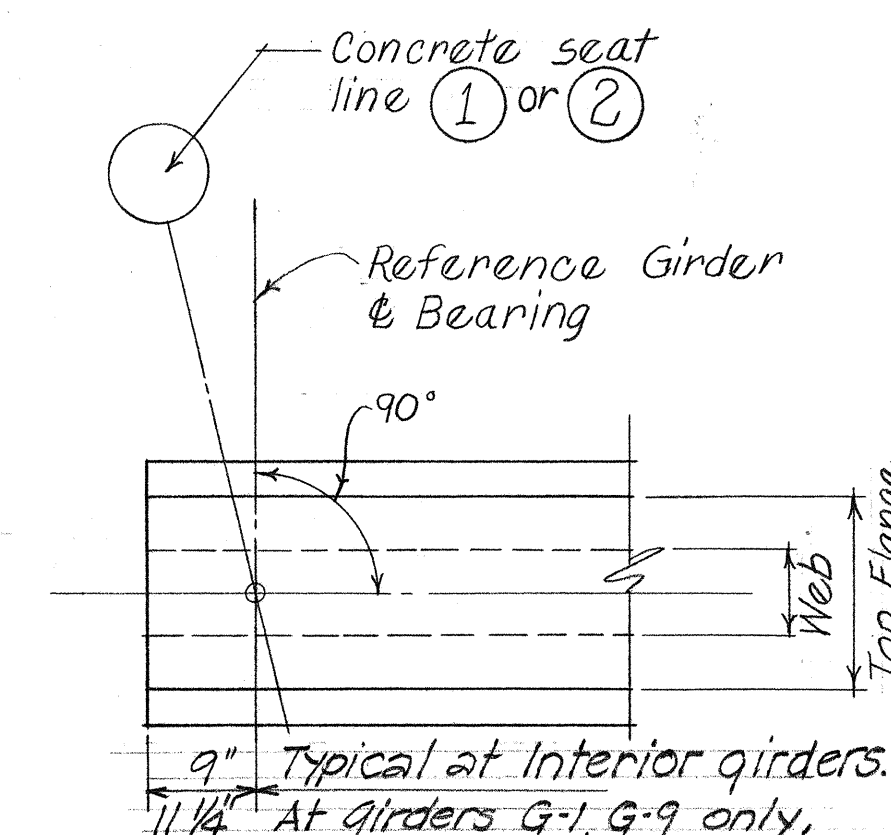
SECTION 
Scale: $\frac{3}{4}" = 1' - 0"$



TYPICAL SECTION $\textcircled{A}$ PIER LINE $\textcircled{1}$
Scale: $\frac{1}{2}" = 1' - 0"$



AT ABUTMENTS #1, #2



AT PIER LINE 

TYPICAL PRESTRESSED GIRDER
END DETAIL

Scale : $\frac{3}{4}" = 1' - 0"$

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____ DRAWN BY <u>W. F.</u> <u>LM</u> _____ TRACED BY _____ DESIGNED BY <u>DCO</u> _____ QUANTITIES BY <u>TMK</u> <u>& SY</u> _____ CHECKED BY <u>PV</u> <u>& UO</u> _____
NOTE BOOK	
No. _____	

PRINTED ON NO. 1000H CLEARPRINT

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HALAWA INTERCHANGE
STRUCTURE NO 9
BEAM "Bf" SECTION & DETAILS

Proj No I-HI-1(91):13

May 1971

SHEET No. 9 OF 10 SHEETS

1SG

