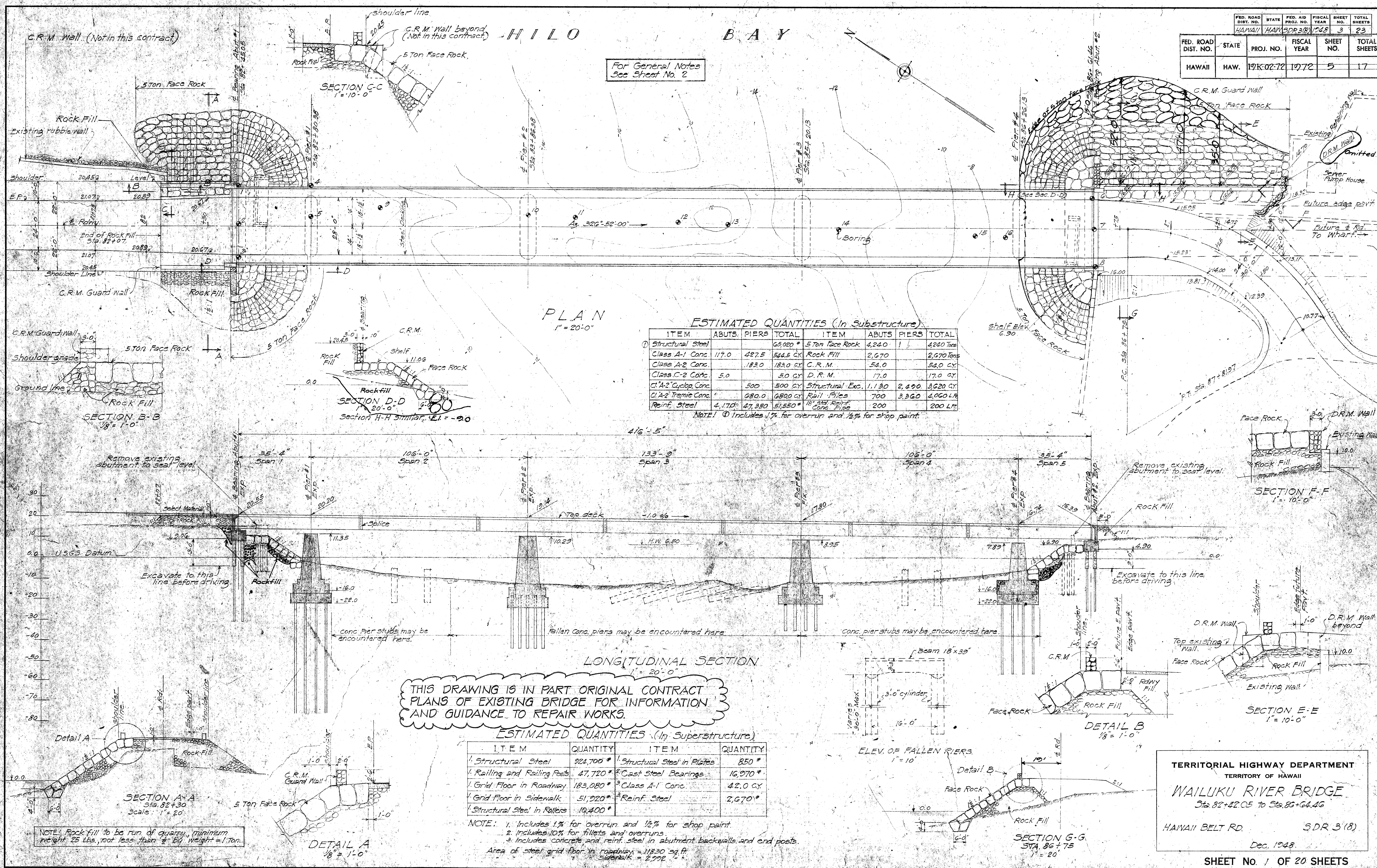


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	17K-02-72	1972	5	17



For General Notes See Sheet No. 2

PLAN
1" = 20'-0"

ESTIMATED QUANTITIES (In Substructure)

ITEM	ABUTS.	PIERS	TOTAL	ITEM	ABUTS.	PIERS	TOTAL
1. Structural Steel			65,020 *	5. 5 Ton Face Rock	4,240	1	4,240 Tons
2. Class A-1 Conc.	117.0	427.5	544.5 CY	6. Rock Fill	2,670		2,670 Tons
3. Class A-2 Conc.	183.0	183.0	366.0 CY	7. C.R.M.	54.0		54.0 CY
4. Class C-2 Conc.	5.0		5.0 CY	8. D.R.M.	17.0		17.0 CY
9. C.A-2 Cyclop Conc.	500		500 CY	9. Structural Exc.	1,130	2,420	3,550 CY
10. C.A-2 Tremie Conc.	680.0		680.0 CY	10. Rail Piles	700	3,360	4,060 L.F.
11. Reinf. Steel	4,170	47,380	51,550 *	11. 18" x 3/4" Reinf. Conc. Pipe	200		200 L.F.

NOTE: 1. Includes 1% for overrun and 1/2% for shop paint.

LONGITUDINAL SECTION
1" = 20'-0"

THIS DRAWING IS IN PART ORIGINAL CONTRACT PLANS OF EXISTING BRIDGE FOR INFORMATION AND GUIDANCE TO REPAIR WORKS.

ESTIMATED QUANTITIES (In Superstructure)

ITEM	QUANTITY	ITEM	QUANTITY
1. Structural Steel	924,700 *	1. Structural Steel in Plates	850 *
2. Railing and Railing Posts	47,720 *	2. Cast Steel Bearings	16,270 *
3. Grid Floor in Roadway	185,080 *	3. Class A-1 Conc.	42.0 CY
4. Grid Floor in Sidewalk	51,920 *	4. Reinf. Steel	2,670 *
5. Structural Steel in Rollers	19,400 *		

NOTE: 1. Includes 1% for overrun and 1/2% for shop paint.
2. Includes 10% for fillets and overruns.
3. Includes concrete and reinf. steel in abutment backwalls and end posts.
Area of steel grid floor in roadway = 118,30 sq. ft.
Sidewalk = 2,292 sq. ft.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

WAILUKU RIVER BRIDGE
Sta 82+42.05 to Sta 83+64.46

HAWAII BELT RD. SDR 3 (8)

Dec. 1948.

SHEET No. 1 OF 20 SHEETS

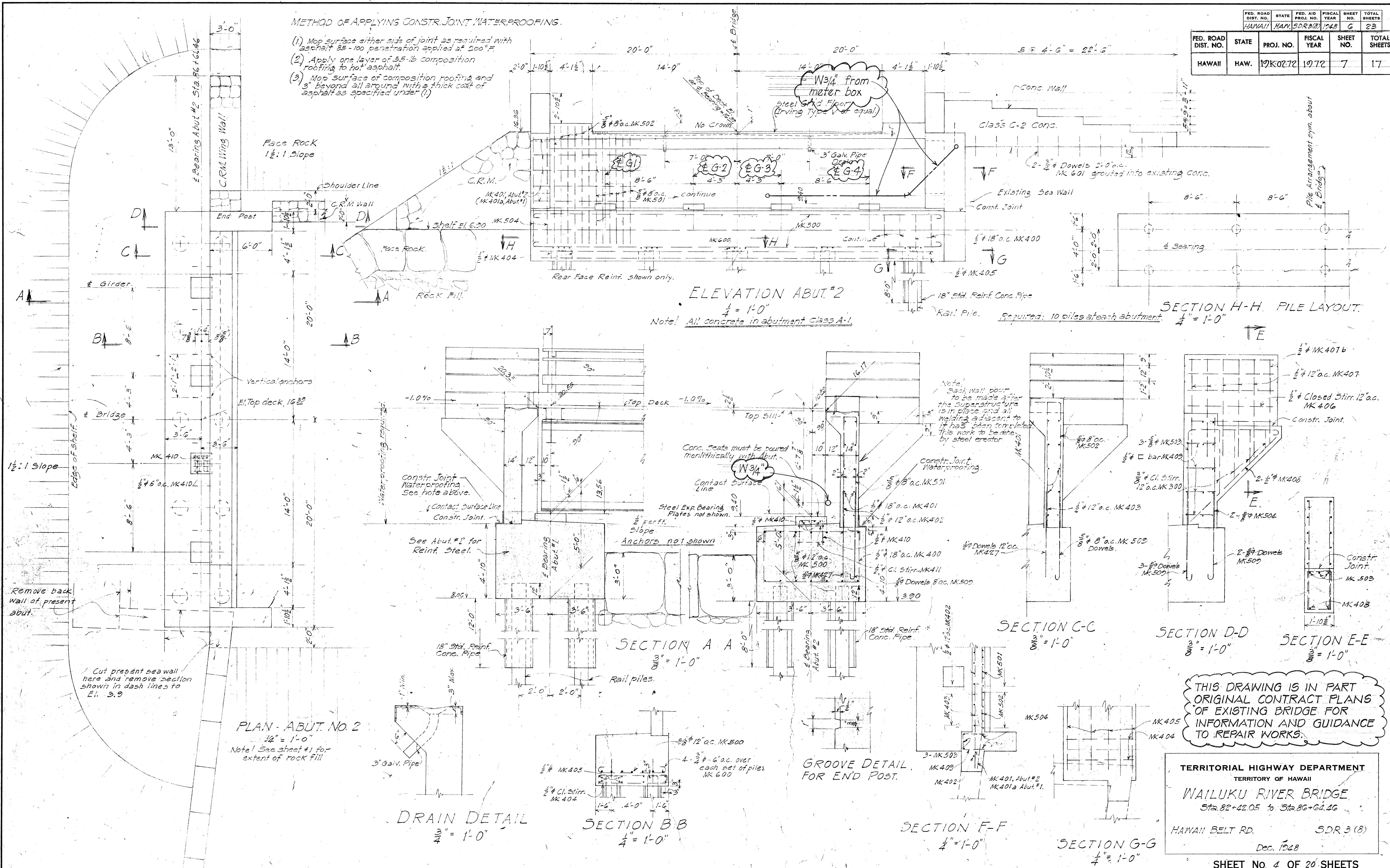
DATE: 12-15-48
DESIGNED BY: J. S. [illegible]
CHECKED BY: J. S. [illegible]
ORIGINAL PLAN NO. 17K-02-72-5
NOTE BOOK NO. [illegible]

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5DR30	1968	6	23

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19K-02-12	1972	7	17

METHOD OF APPLYING CONSTR. JOINT WATERPROOFING

- (1) Mop surface either side of joint as required with asphalt 85-100 penetration applied at 200°F
- (2) Apply one layer of 55-lb composition roofing to hot asphalt.
- (3) Mop surface of composition roofing and 3" beyond all around with a thick coat of asphalt as specified under (1)

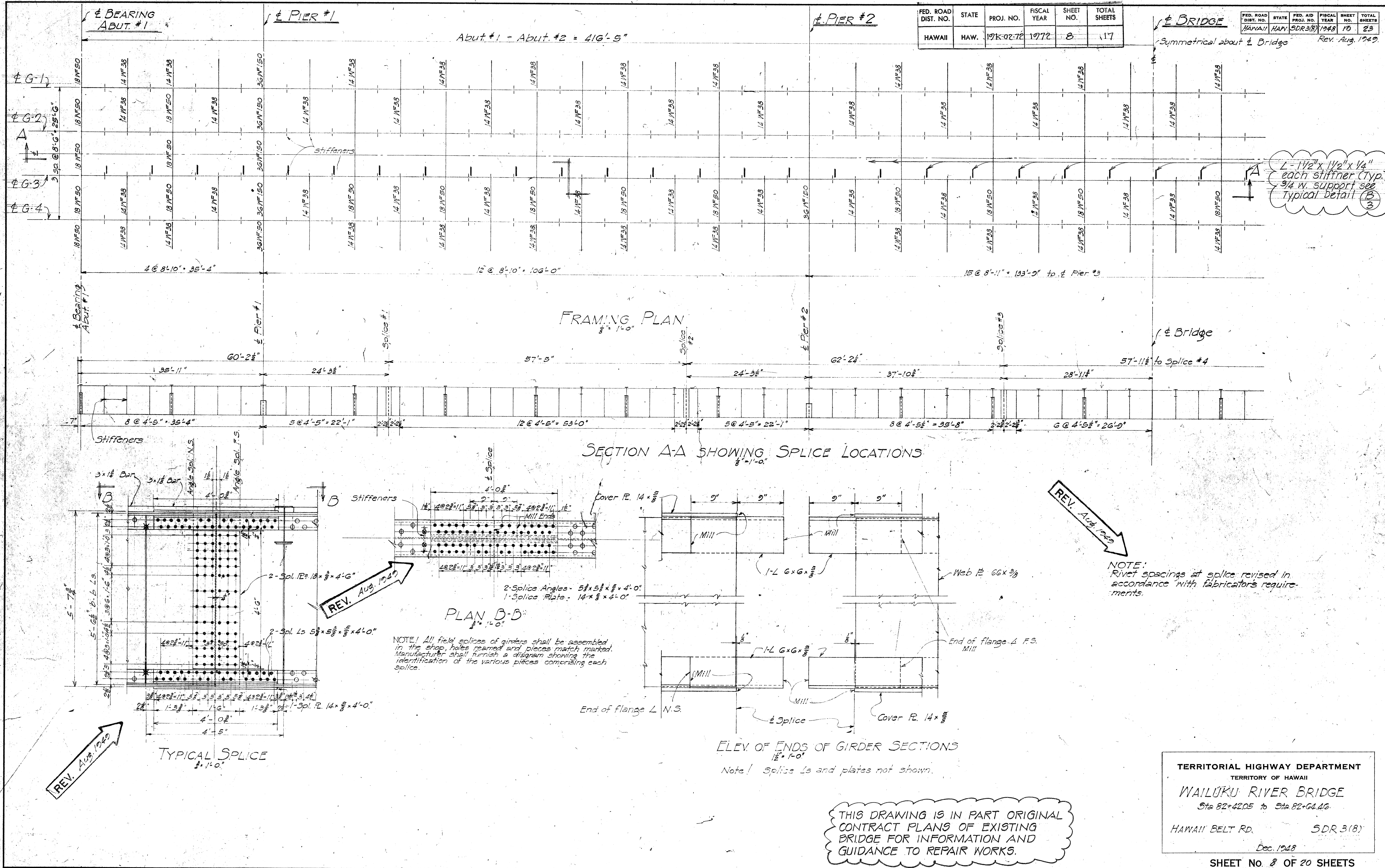


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OF EXISTING BRIDGE FOR
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TO REPAIR WORKS.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
WAILUKU RIVER BRIDGE
Sta. 82+42.05 to Sta 86+64.46
HAWAII BELT RD. SDR 3 (8)
Dec. 1948

SHEET NO. 4 OF 20 SHEETS

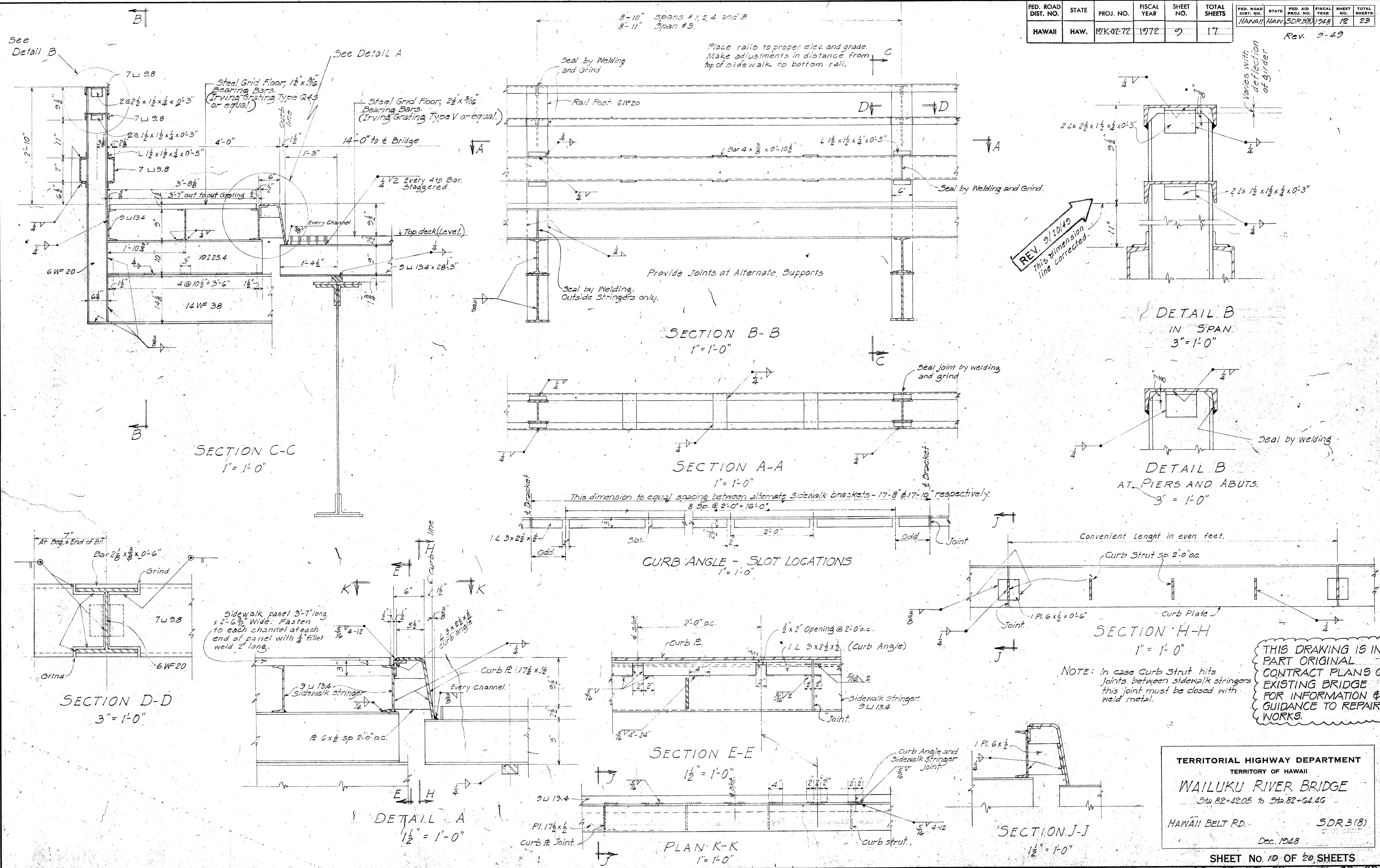
SURVEY PLOTTED BY: DATE: 12/22/22
 DESIGNED BY: M. R. B. 12/22/22
 DRAWN BY: C. 12/22/22
 QUANTITIES CHECKED BY: 12/22/22
 NOTE BOOK: 12/22/22
 NO. 12/22/22



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	10K-02-72	1972	2	17

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	SDR-38	1948	18	23

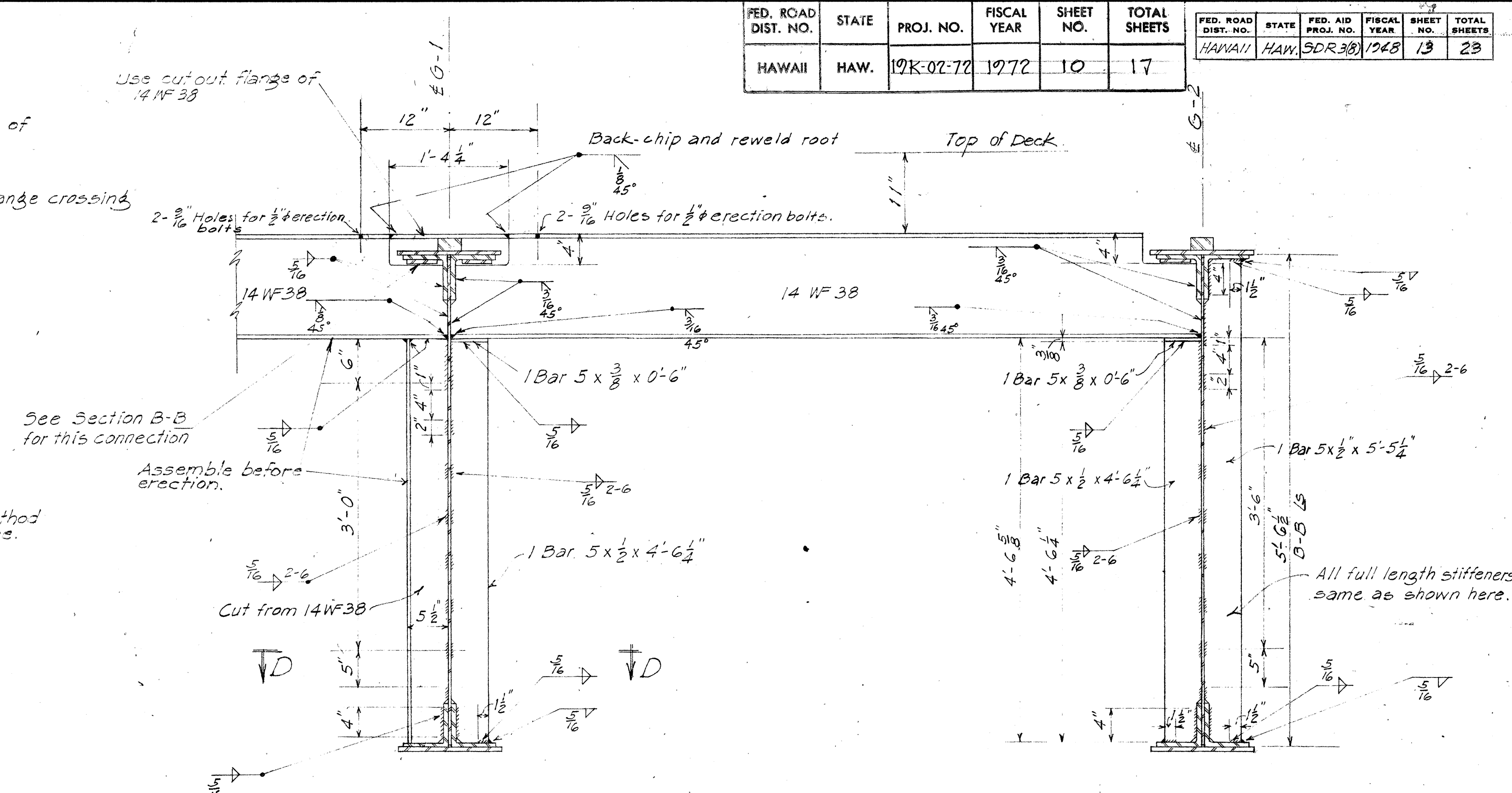
Rev. 9-49



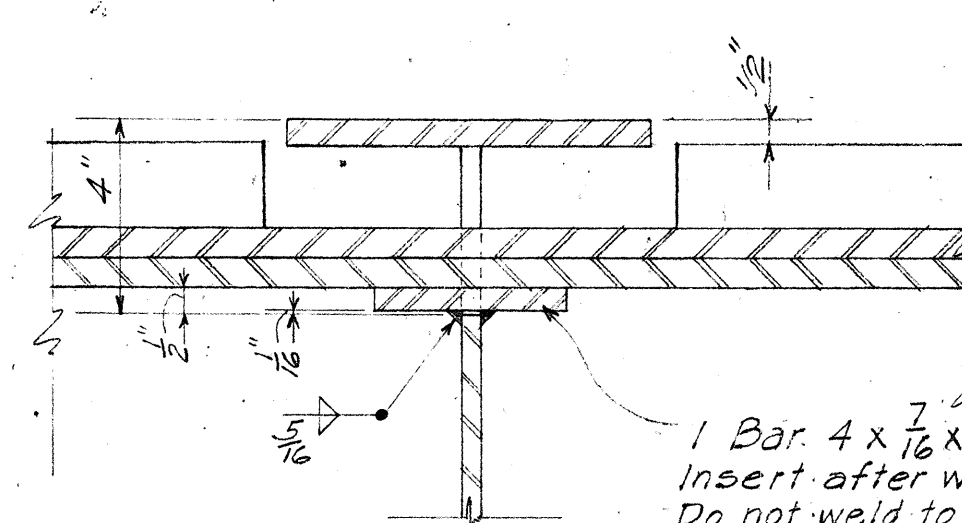
THIS DRAWING IS IN
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CONTRACT PLANS OF
EXISTING BRIDGE
FOR INFORMATION &
GUIDANCE TO REPAIR
WORKS.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
WAILUKU RIVER BRIDGE
Sta. 82+42.05 to Sta. 82+64.46
HAWAII BELT RD. - SDR 3(8)
DEC 1948

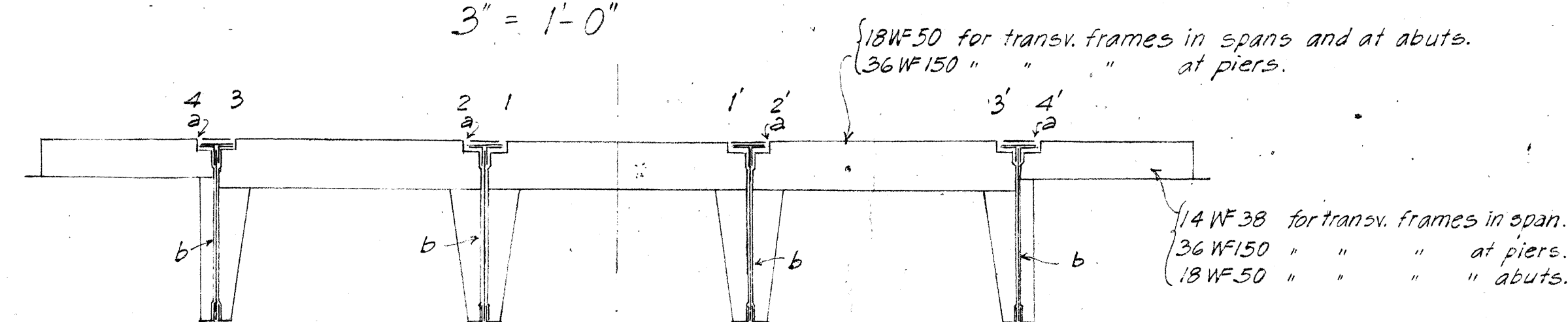
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	SDR 3(8)	1948	13	23



SIDEWALK CANTILEVERS AND EXTENSIONS

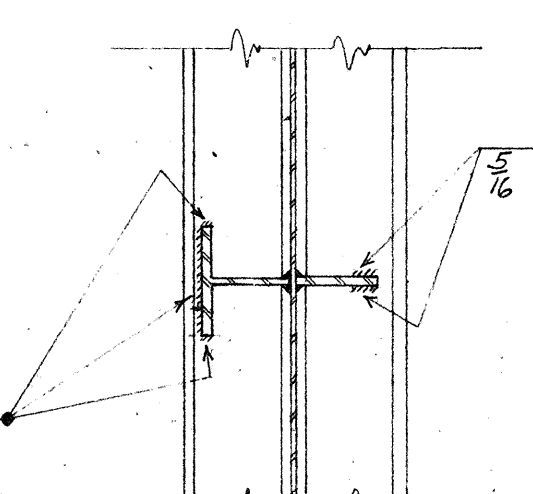
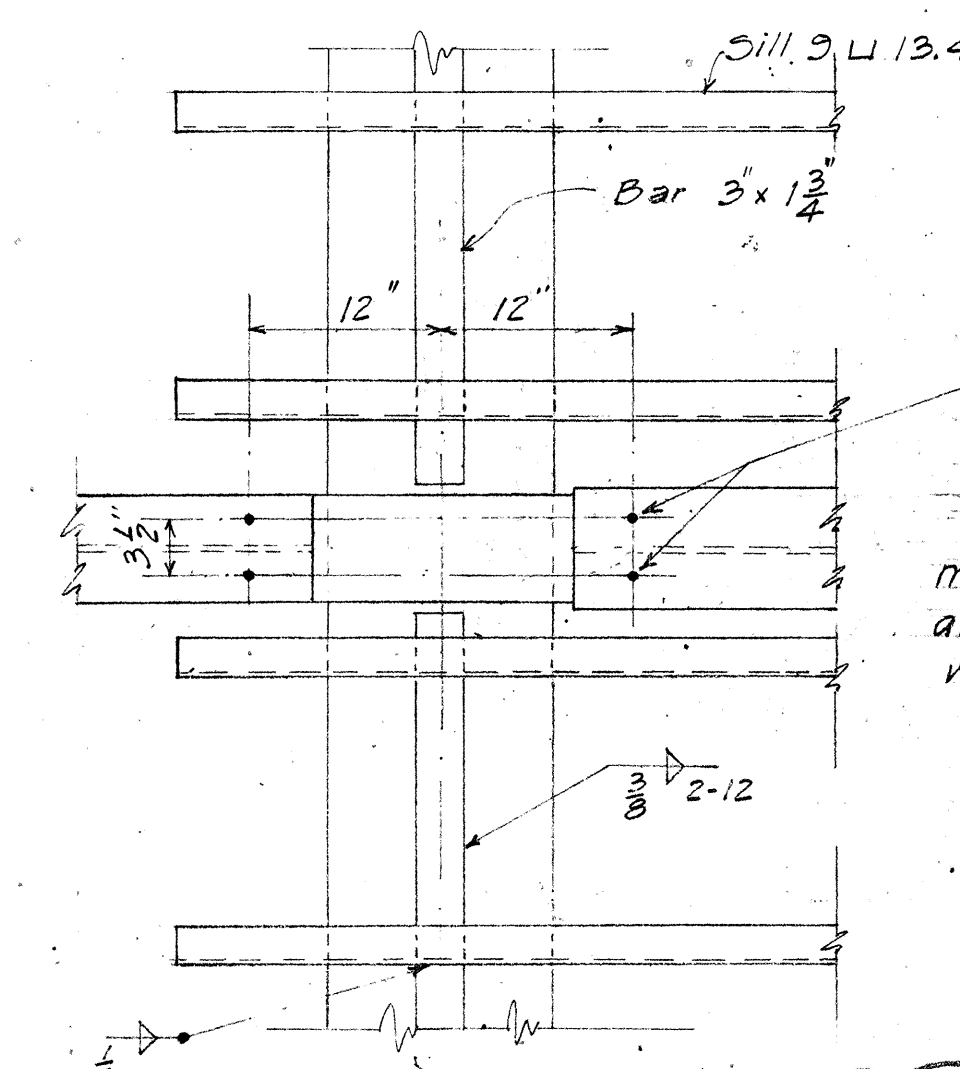
$$1'' = 1' - 0''$$


SECTION B-B

$$3'' = 1'-0''$$


SEQUENCE OF WELDING TRANSV. BEAMS.

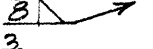
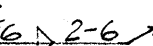
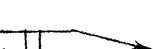
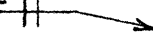
Note! Weld a before welding b.


$$1'' = 1' - 0''$$


Note!
See Sheet #13 for suggested
method of holding cantilever beam
assembly in place prior to
welding.

PLAN E-E

$$1'' = 1'-0''$$

- 
 Spot weld
- 
 Weld all around.
- 
 $\frac{3}{8}$ " Fillet weld near side of joint.
- 
 $\frac{3}{8}$ " Fillet weld far side of joint.
- 
 $\frac{3}{8}$ " Fillet weld both sides of joint.
- 
 $\frac{5}{16}$ " Fillet weld both sides of joint
2" long 6" oc.
- 
 Open square butt weld near side of joint.
- 
 Open square butt weld both sides of joint
 $\frac{1}{2}$ " root opening.
- 
 45° single bevel butt weld, groove near
side of joint, $\frac{1}{2}$ " root opening.
- 
 45° double bevel butt weld, $\frac{1}{2}$ " root opening.
- Note. Figures given above are samples.

WAILUKU RIVER BRIDGE

Sta. 82+42.05 to Sta. 86+64.46

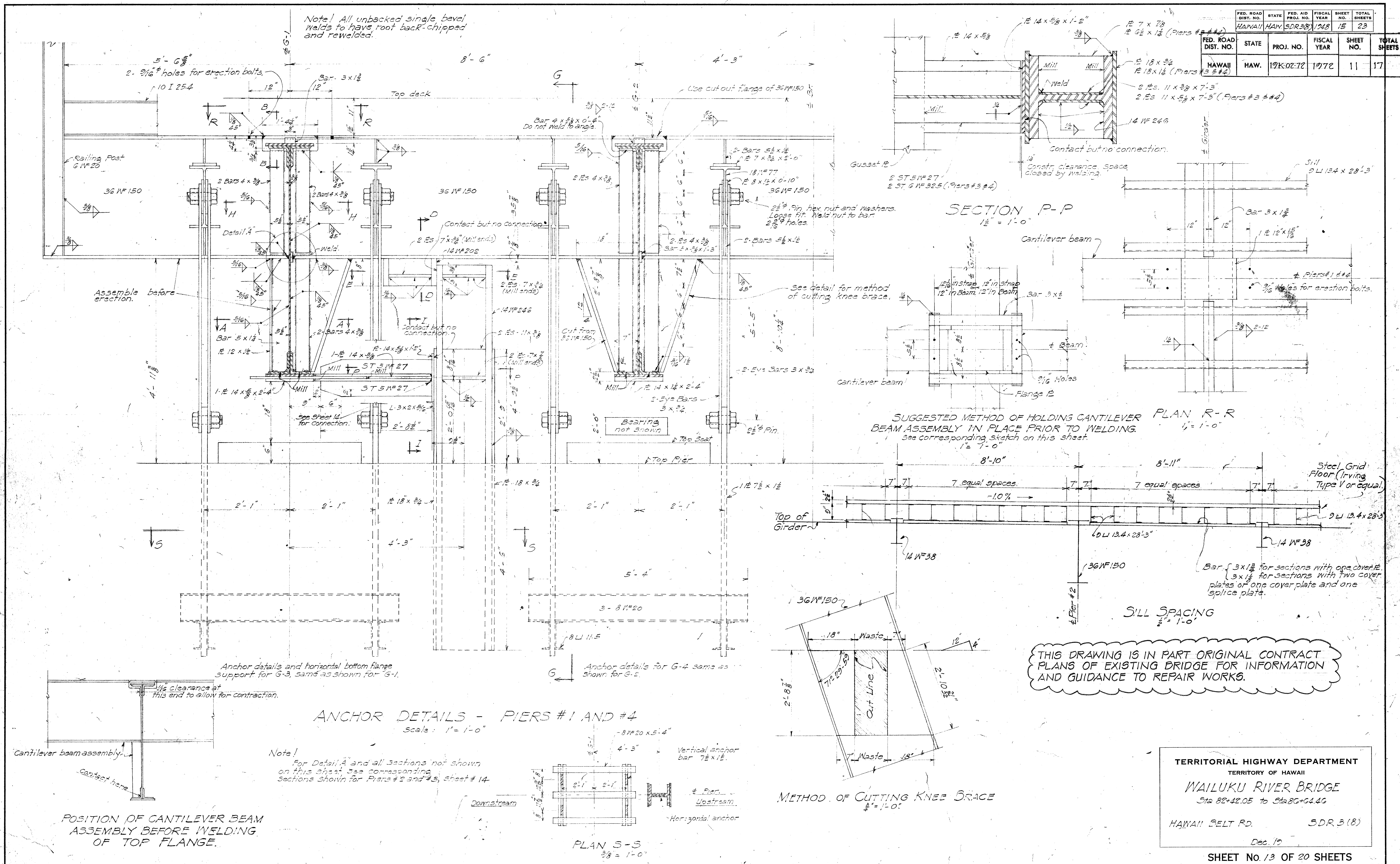
HAWAII BELT RD.

SDR 3(8)

Dec. 1948

SHEET No. 11 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	SDR 385	1948	15	23



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PLANS OF EXISTING BRIDGE FOR INFORMATION
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TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
 WAILUKU RIVER BRIDGE
 Sta 82+42.05 to Sta 86+64.46
 HAWAII BELT RD. SDR 3 (8)
 Dec. 19
 SHEET NO. 13 OF 20 SHEETS