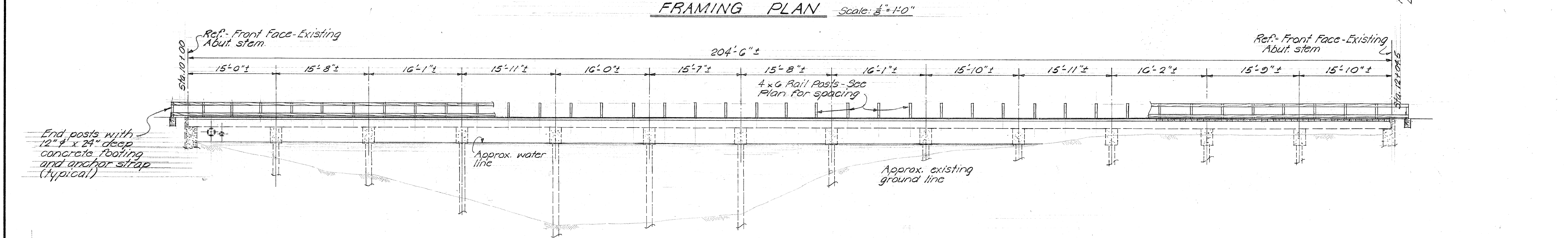
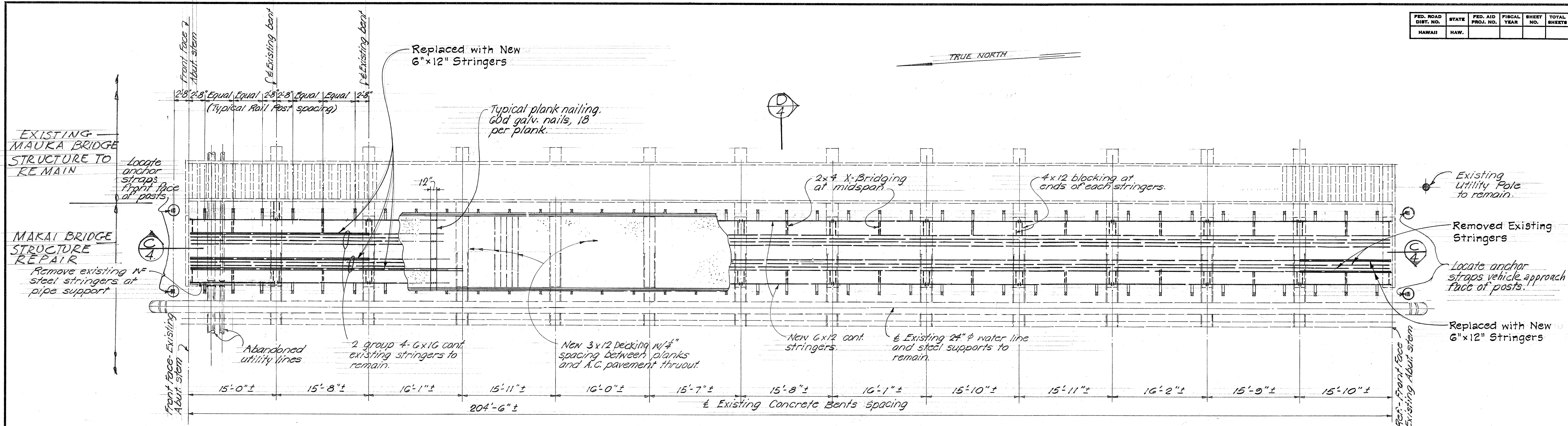
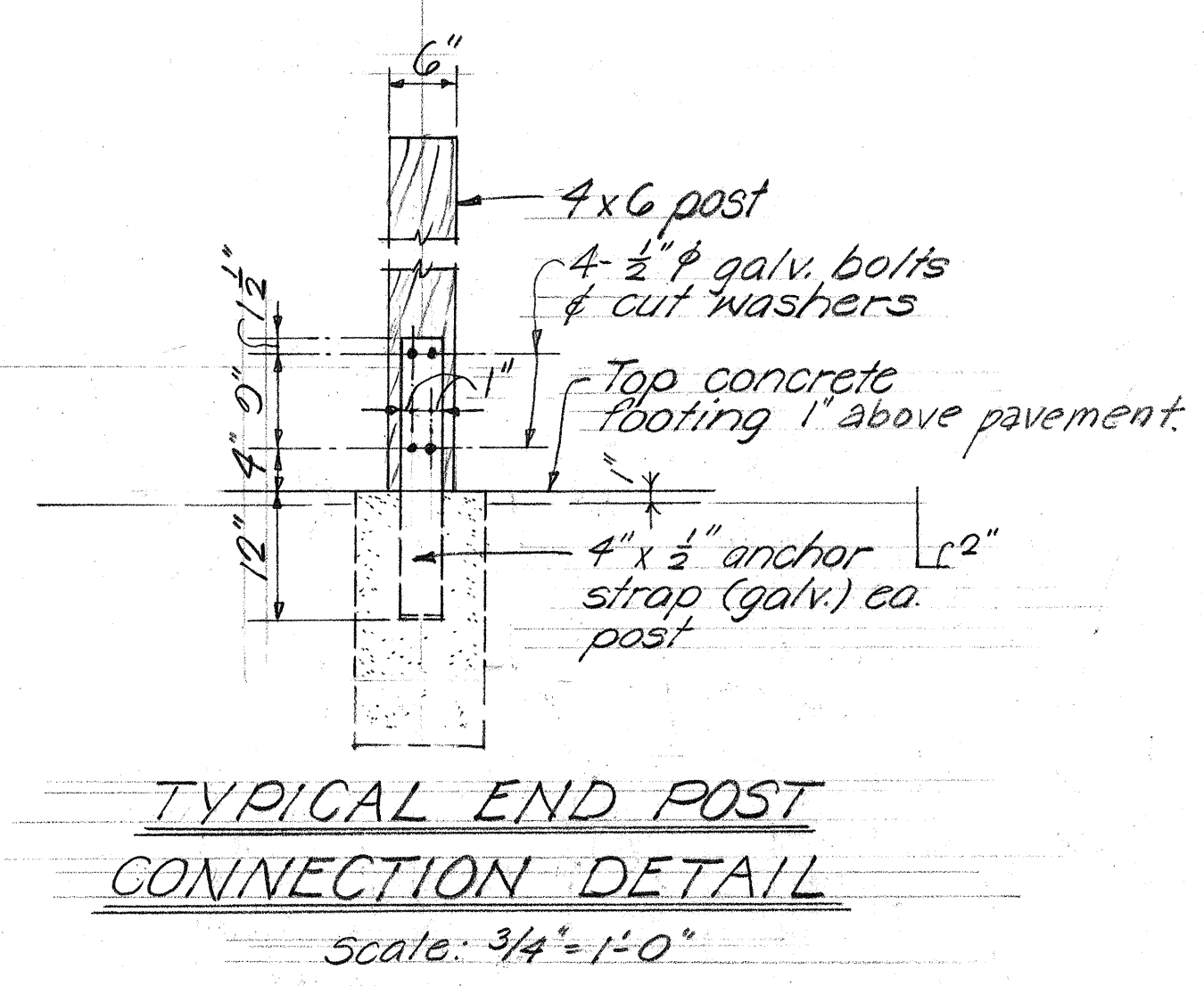


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



- NOTE:
1. All timber and lumber shall be rough select structural grade Douglas fir. (See Special Provisions).
 2. All new timber and lumber shall be pressure treated. (See Special Provisions).
 3. For treatment of existing stringers, see Special Provisions.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HALAWA STREAM BRIDGE
(TIMBER STRUCTURE)

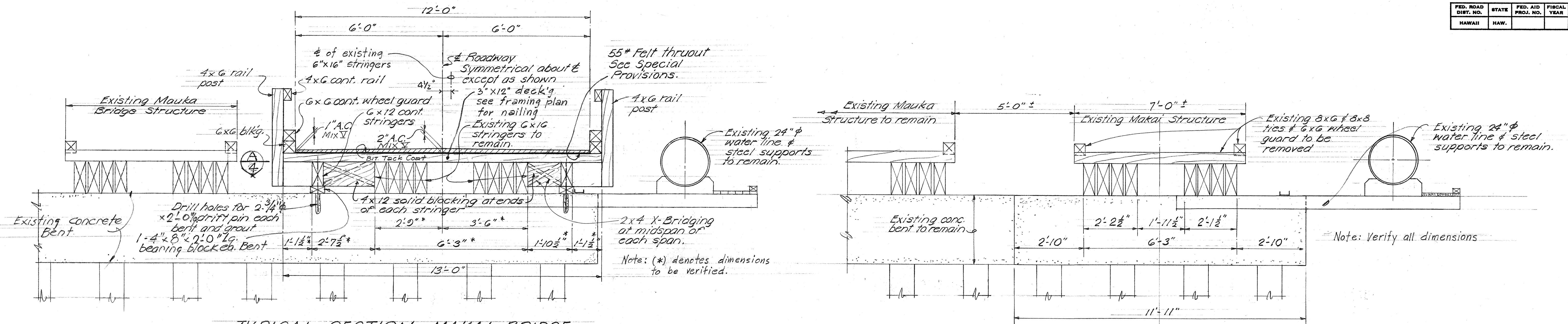
PROJ. N° C-90-01-66

Date: Jan. 1967

SHEET No. 1 OF 2 SHEETS

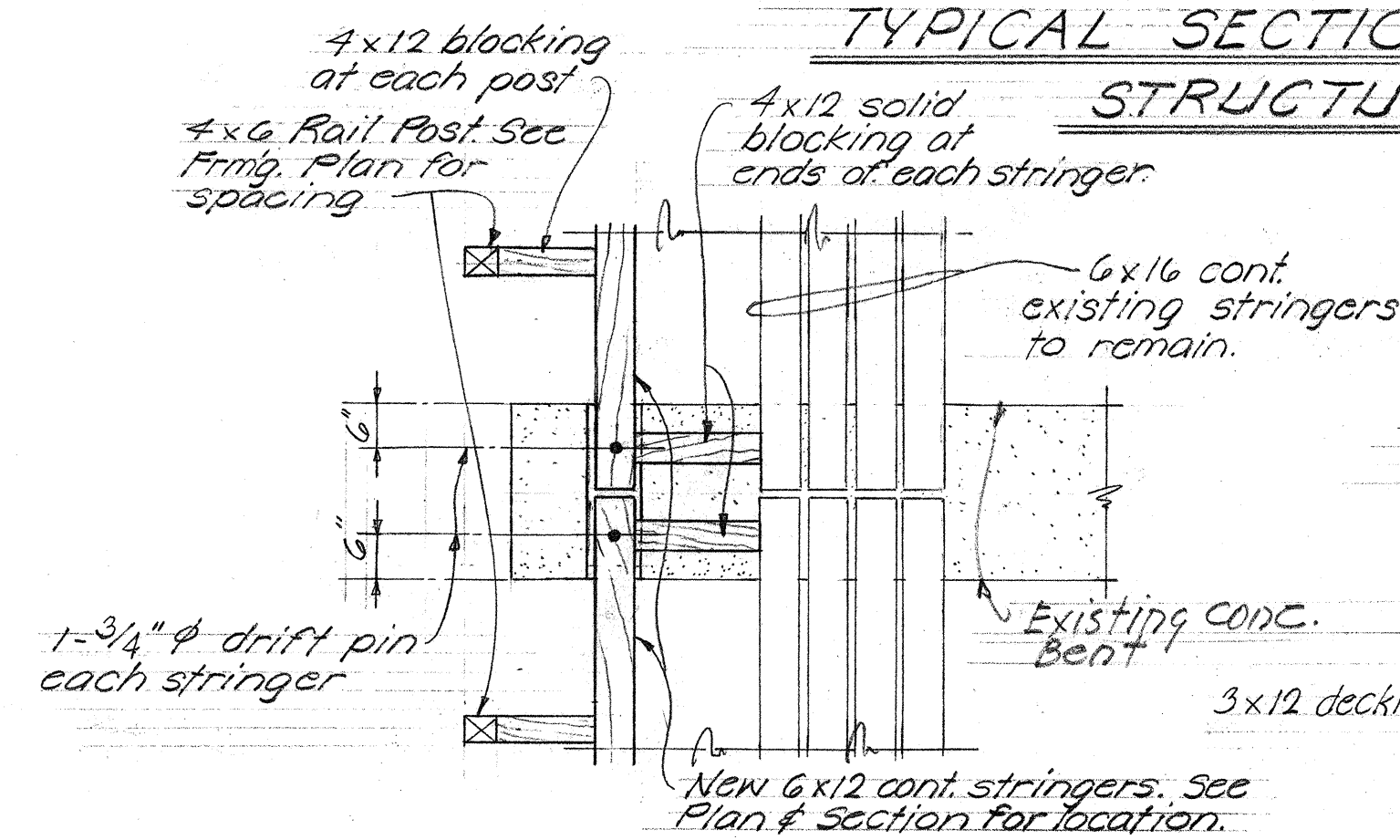
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

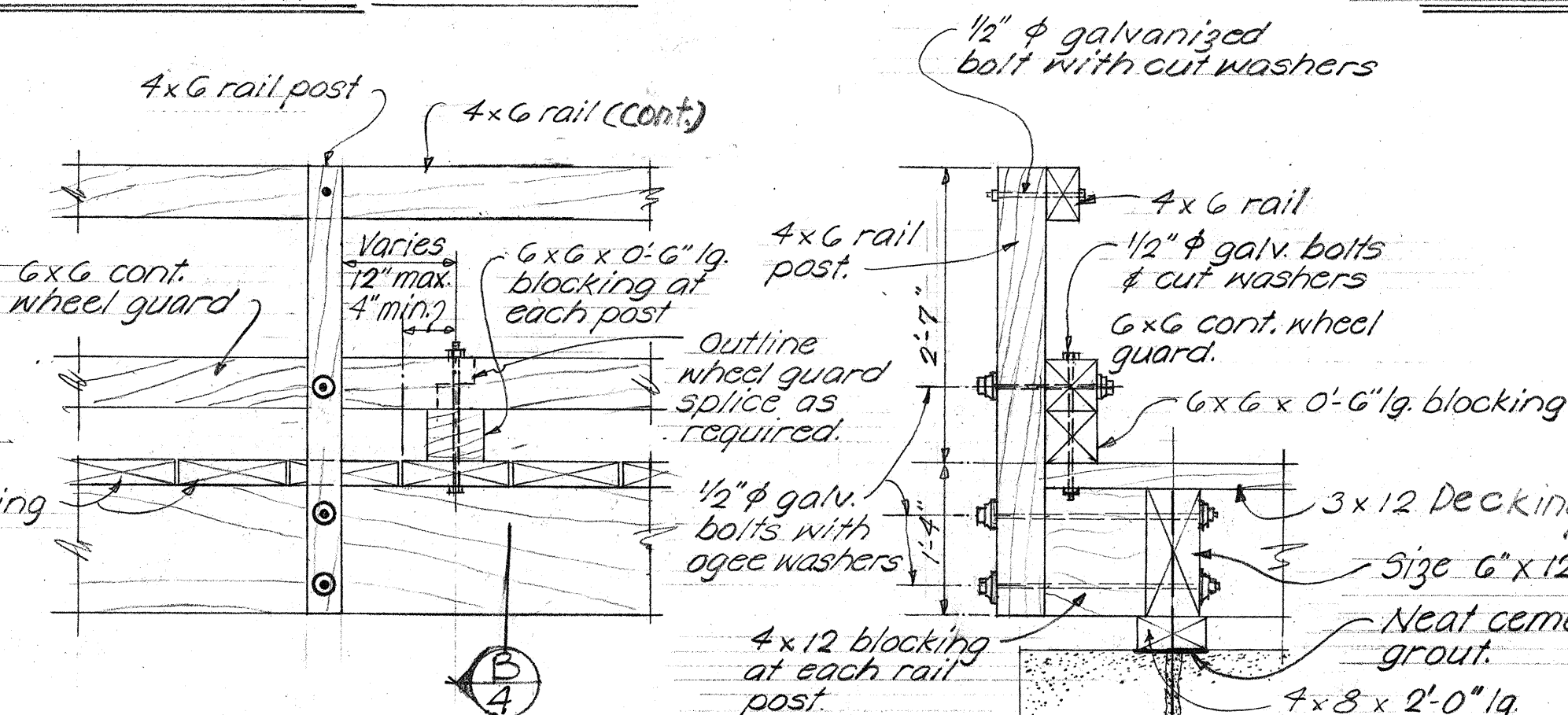


**TYPICAL SECTION - MAKAI BRIDGE
STRUCTURE REPAIR** Scale: 1/2"=1'-0"

TYPICAL SECTION (D) THRU EXISTING TIMBER BRIDGE STRUCTURES
Scale: 1/2"=1'-0"

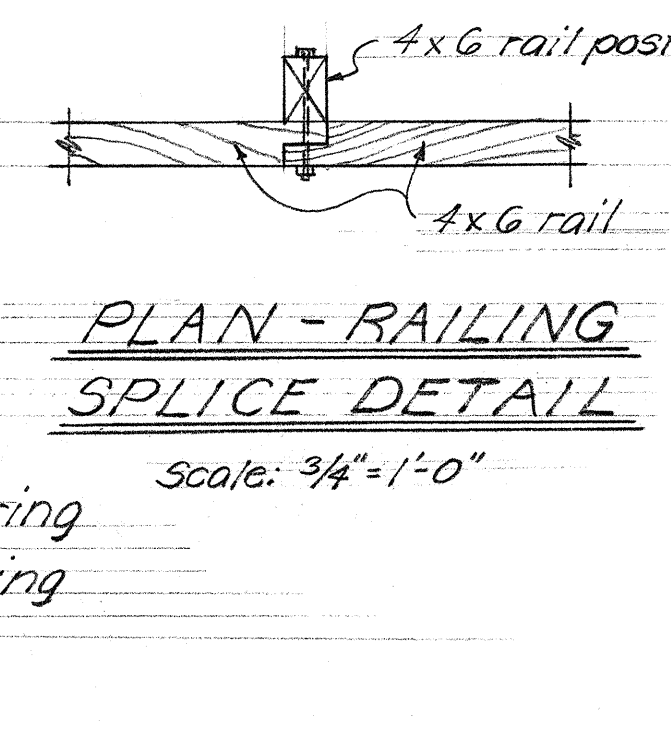


**PLAN (A)
(AT EXISTING CONCRETE BENT)**
Scale: 1/2"=1'-0"

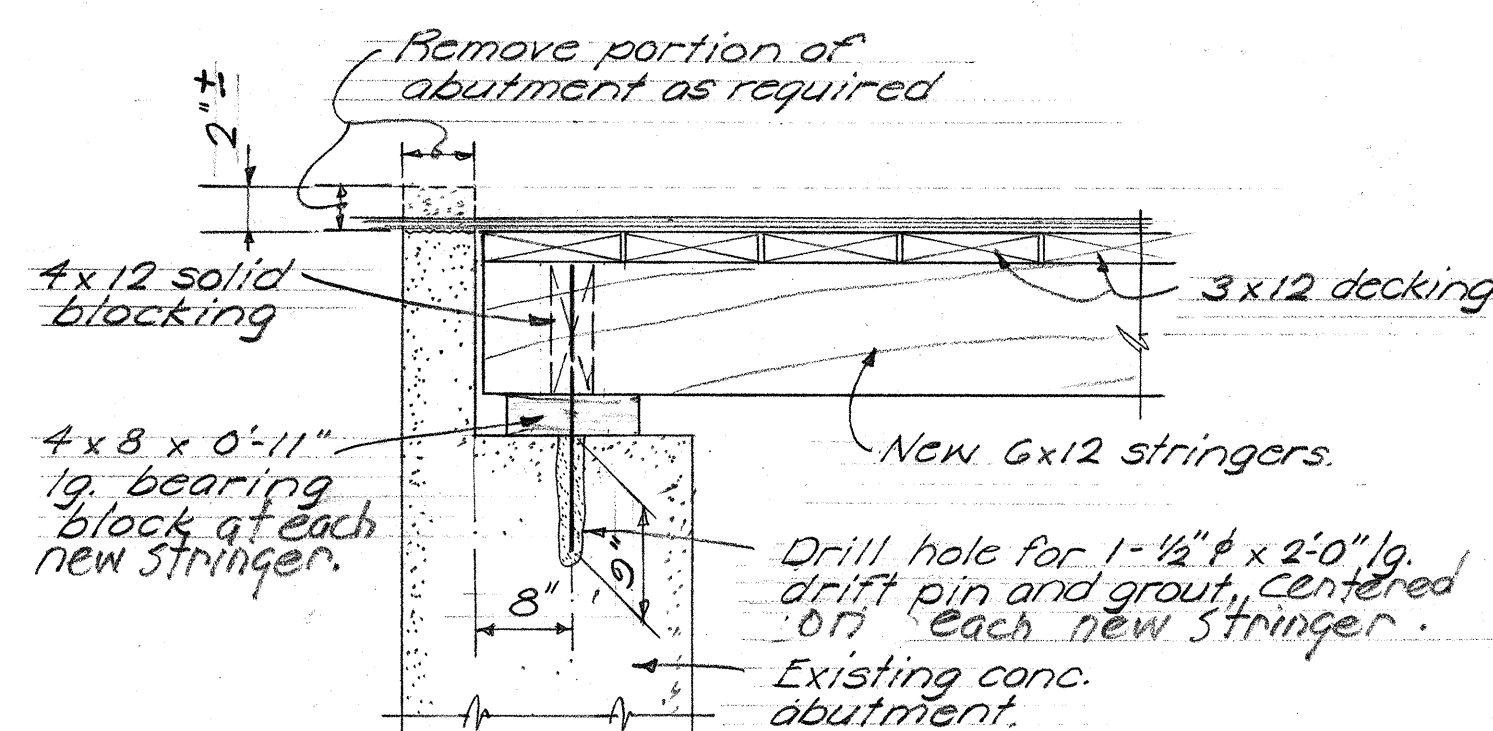


EXTERIOR ELEVATION

SECTION (B)



**PLAN - RAILING
SPICE DETAIL**
Scale: 3/4"=1'-0"



**TYPICAL SECTION (C)
(STRINGER CONNECTION)**
Scale: 3/4"=1'-0"

**TYPICAL TIMBER BRIDGE
RAILING CONNECTION & DETAIL** Scale: 3/4"=1'-0"

STATE OF HAWAII
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**HALAWA STREAM BRIDGE
(TIMBER STRUCTURE)**

PROJ. NO. C-90-01-66

Date: Jan. 1967

SHEET No. 2 OF 2 SHEETS