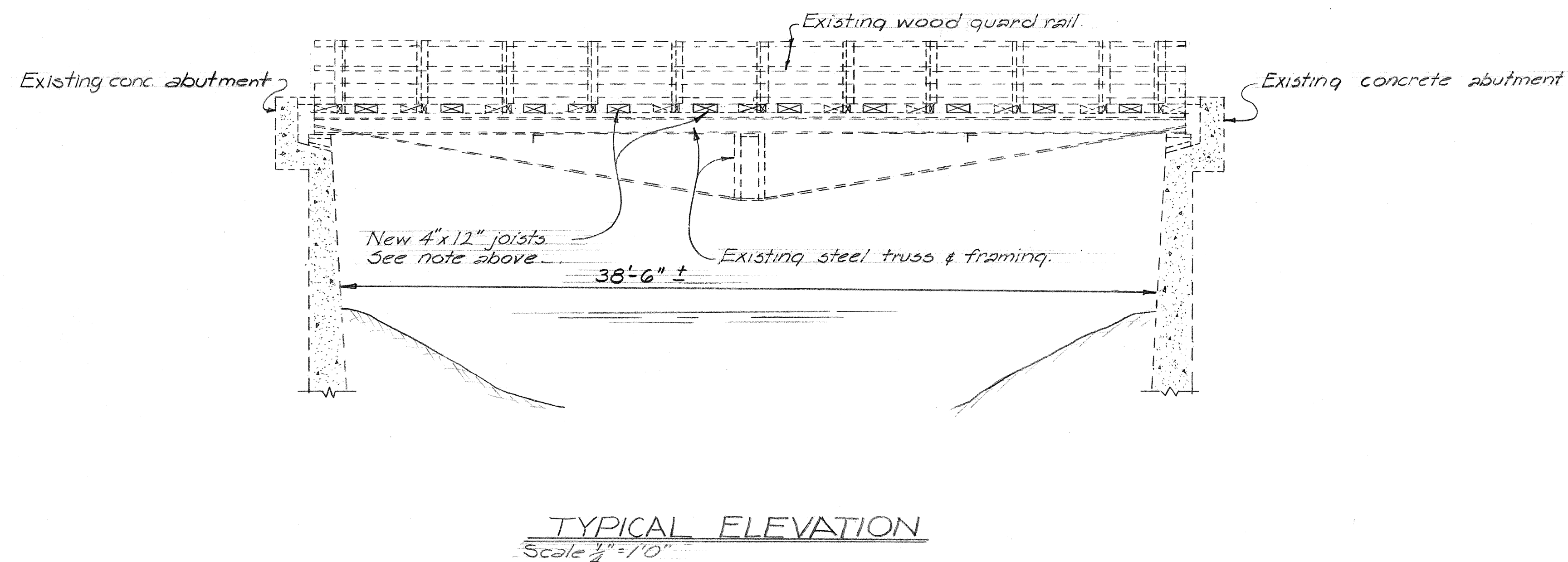
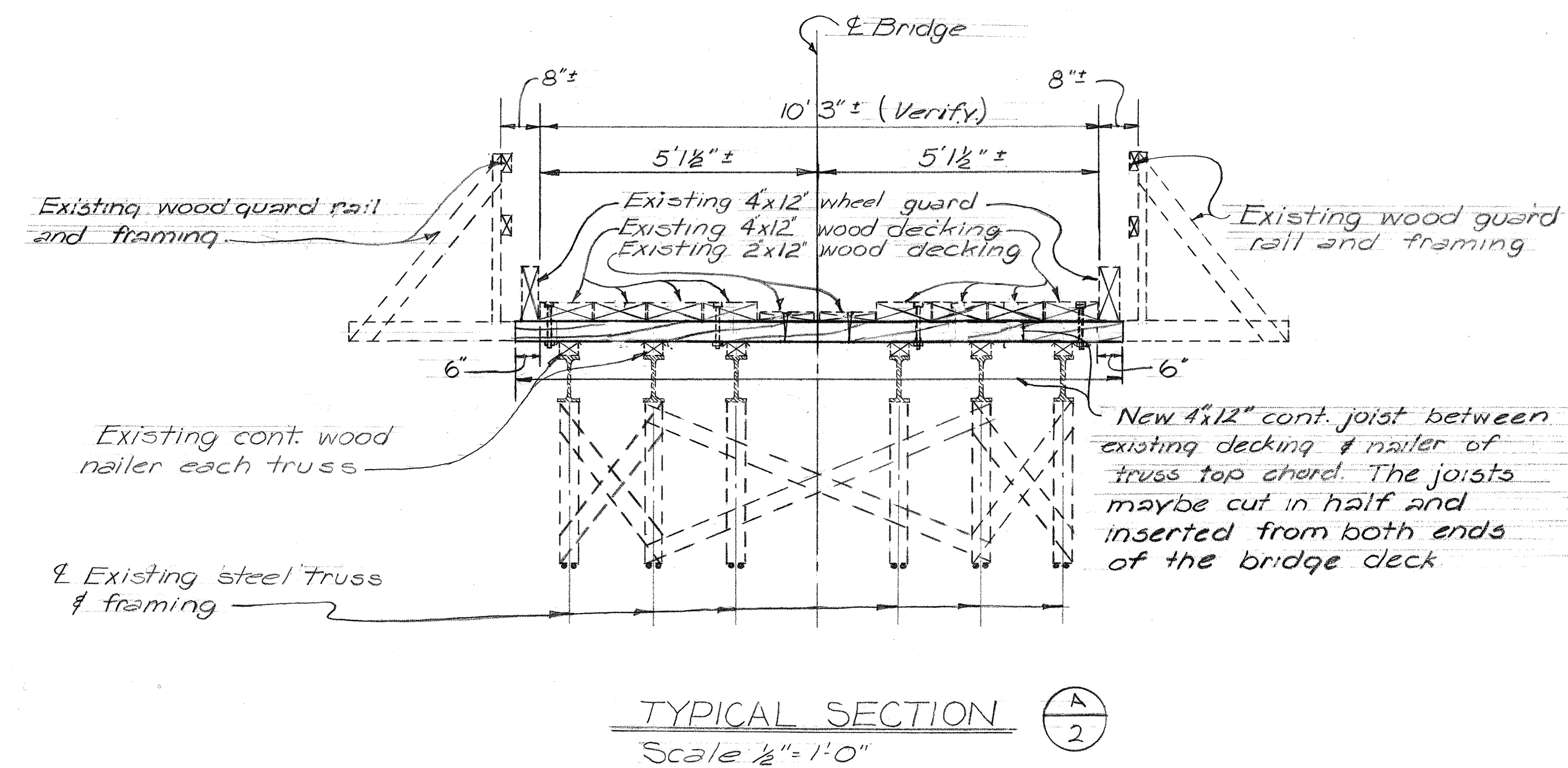
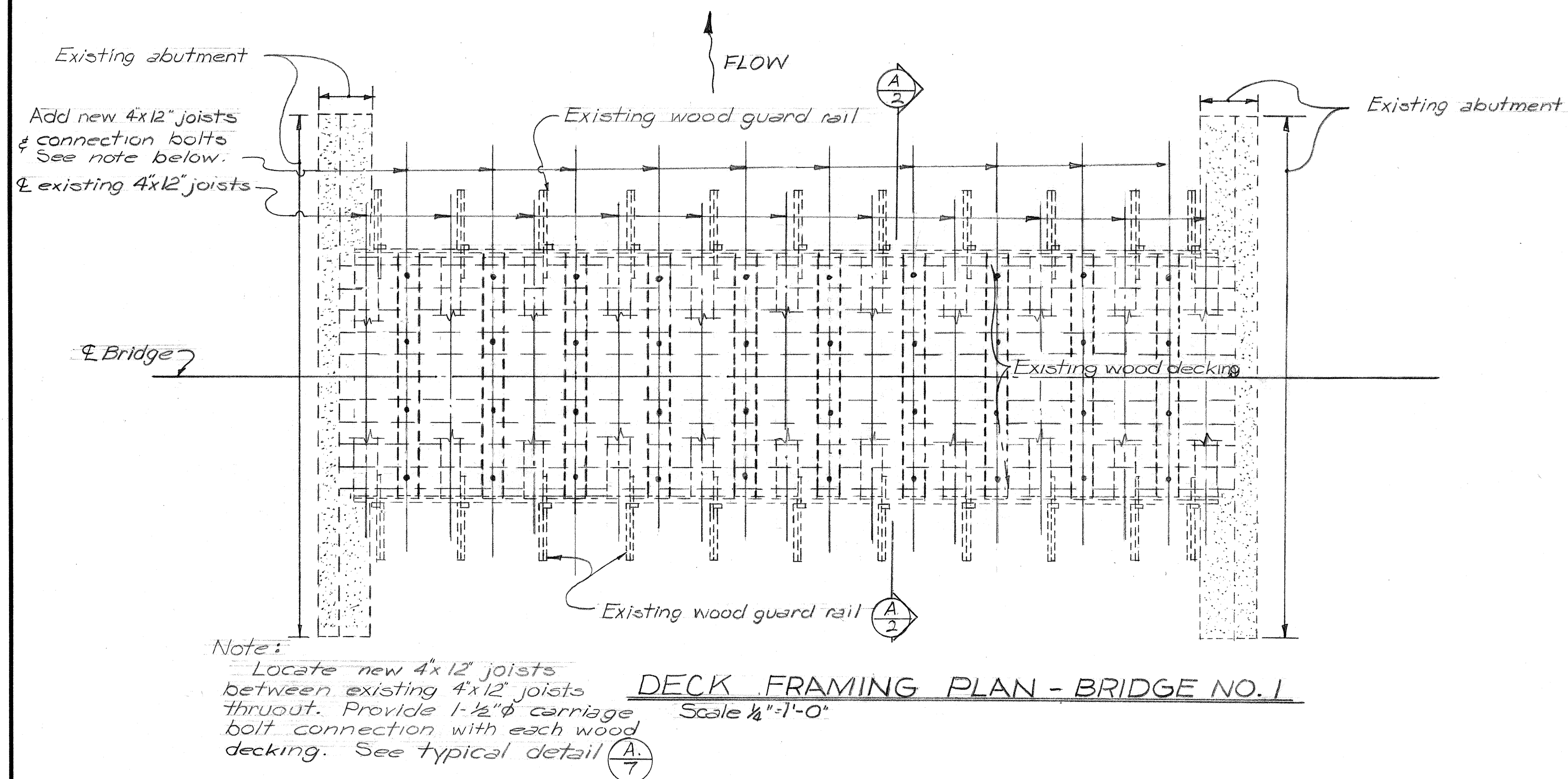


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BD-63-381	1969	2	8
Unit 1					



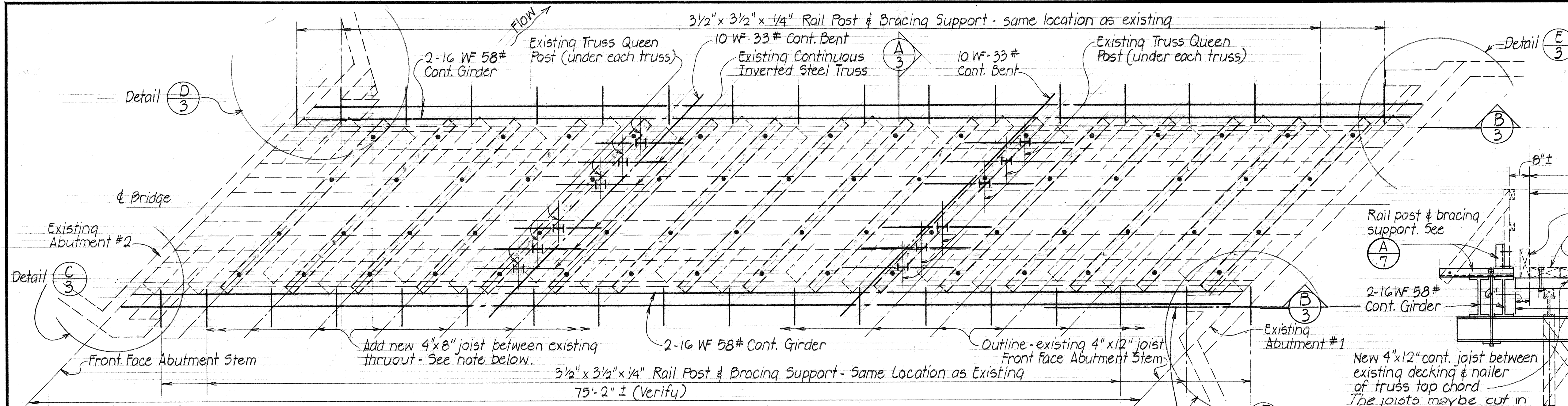
NOTE:
Bridge No. 1 improvement consists of strengthening of existing deck planks by inserting 4x12 wood joists under the decking. No structural steel work involved.

SURVEY PLOTTED BY	DATE
DRAWN BY	OCT 1968
DESIGNED BY	CHIT
QUANTITIES BY	
CHECKED BY	EX-JTO
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BRIDGE IMPROVEMENT
WAINIHA BRIDGE No. 1

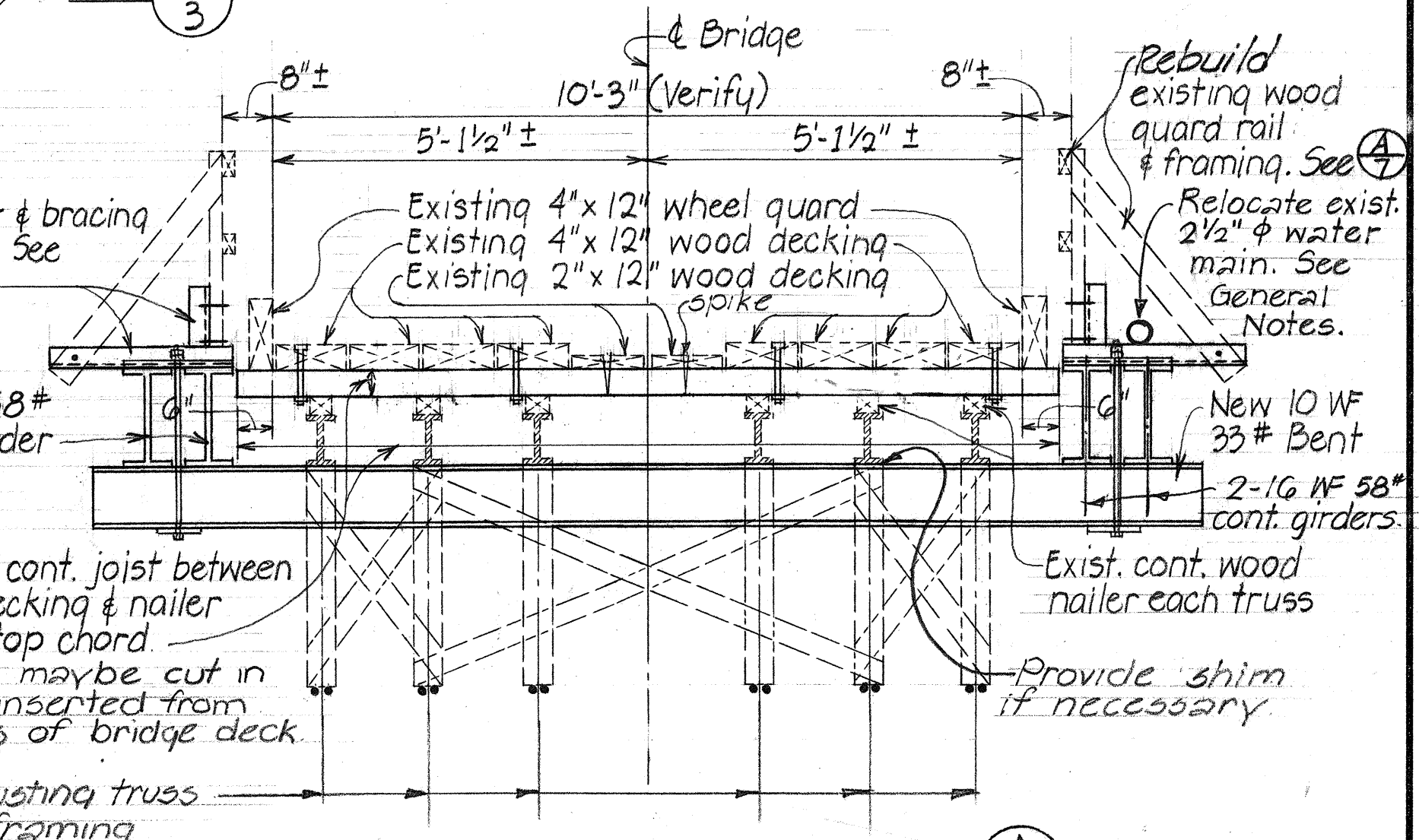
Proj. No. BD-63-381, U-1 Oct. 1968
SHEET No. 2 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BD-63-381	1969	3	8
Unit 1					

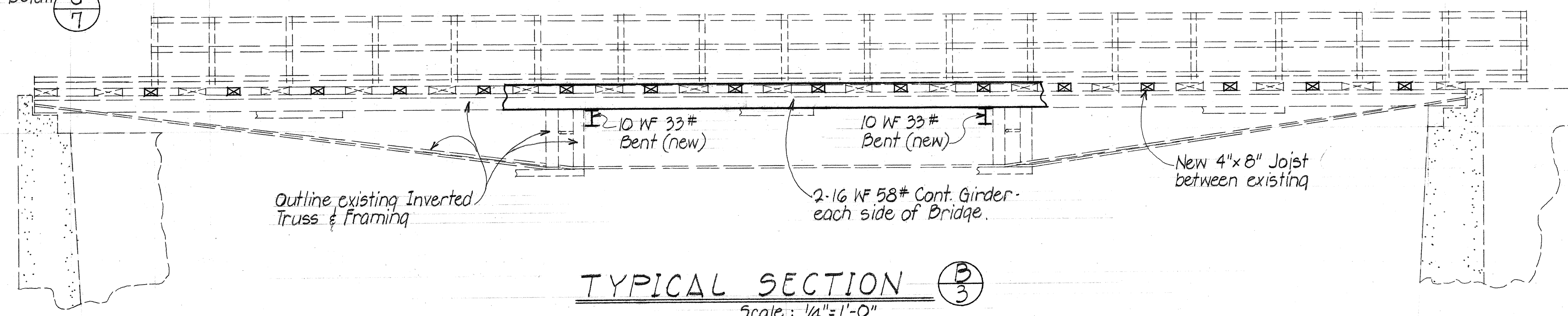


NOTE A:
Locate new 4"x 8" joists between existing 4"x 12" joists thruout. Provide 1-1/2" carriage bolt connection with wood decking. See Typical Detail G-7.

PLAN - BRIDGE NO. 2
Scale: 1/4" = 1'-0"

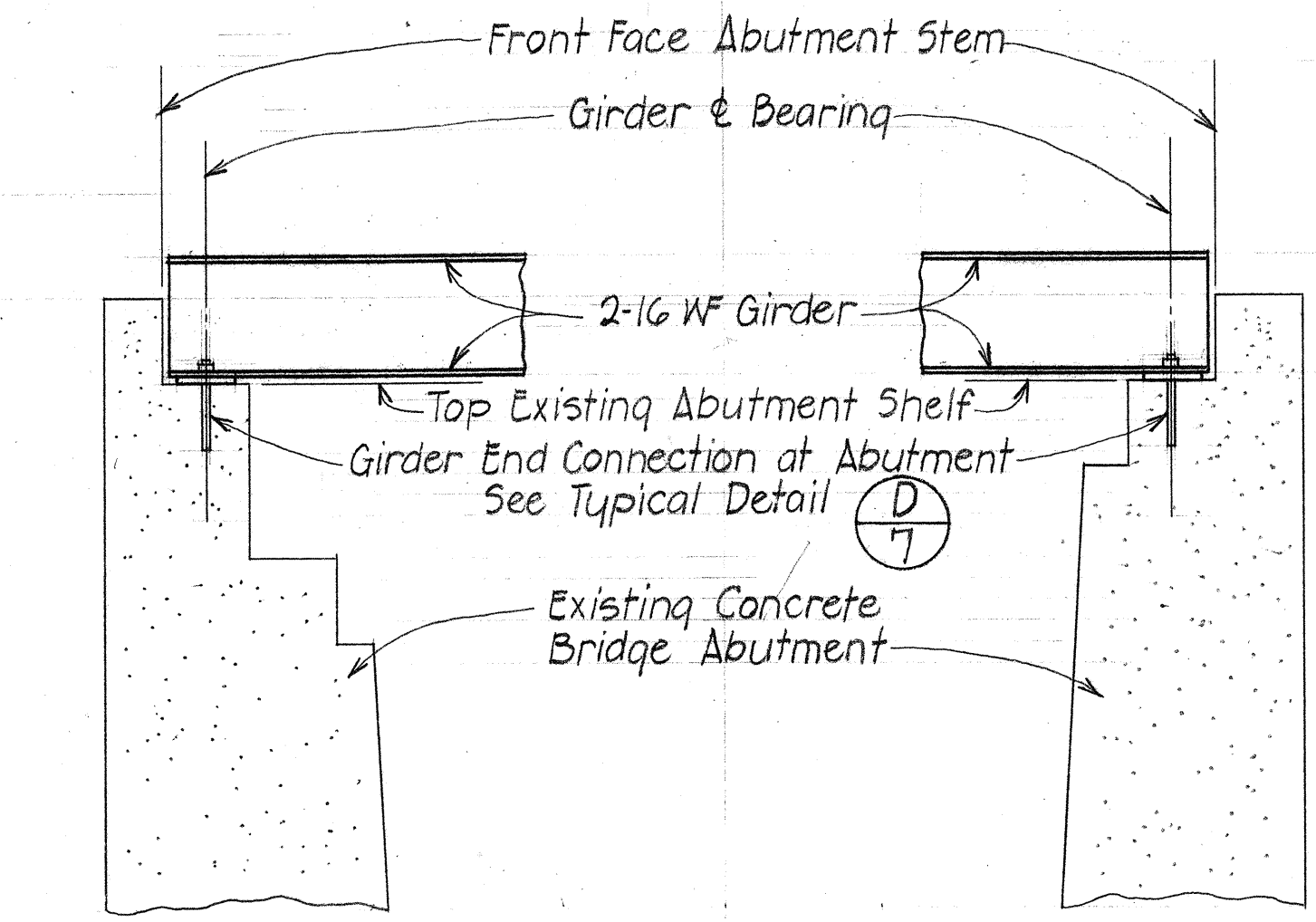


NORMAL SECTION A-3
Scale: 1/2" = 1'-0"



TYPICAL SECTION B-3
Scale: 1/4" = 1'-0"

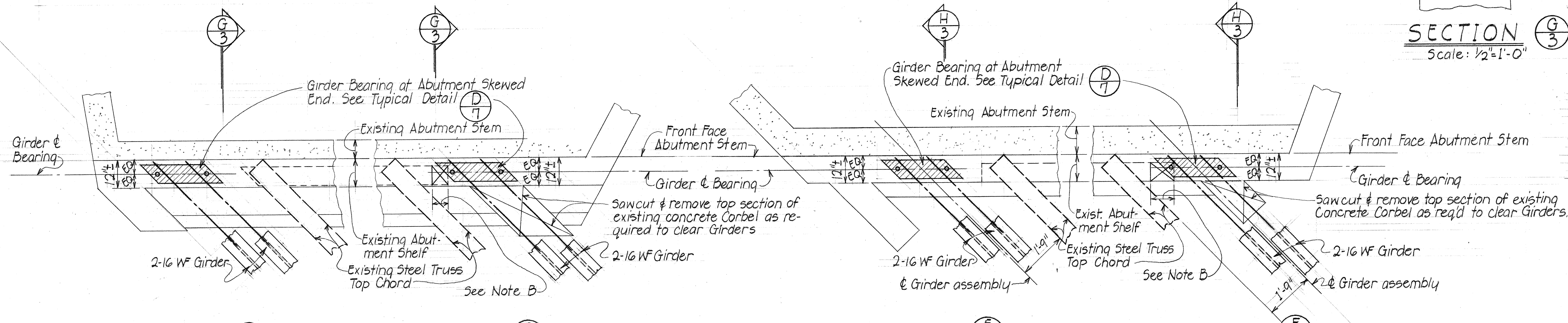
NOTE B:
Remove section of existing Steel Bearing Pl as directed by the Engineer to clear Girder Bearing



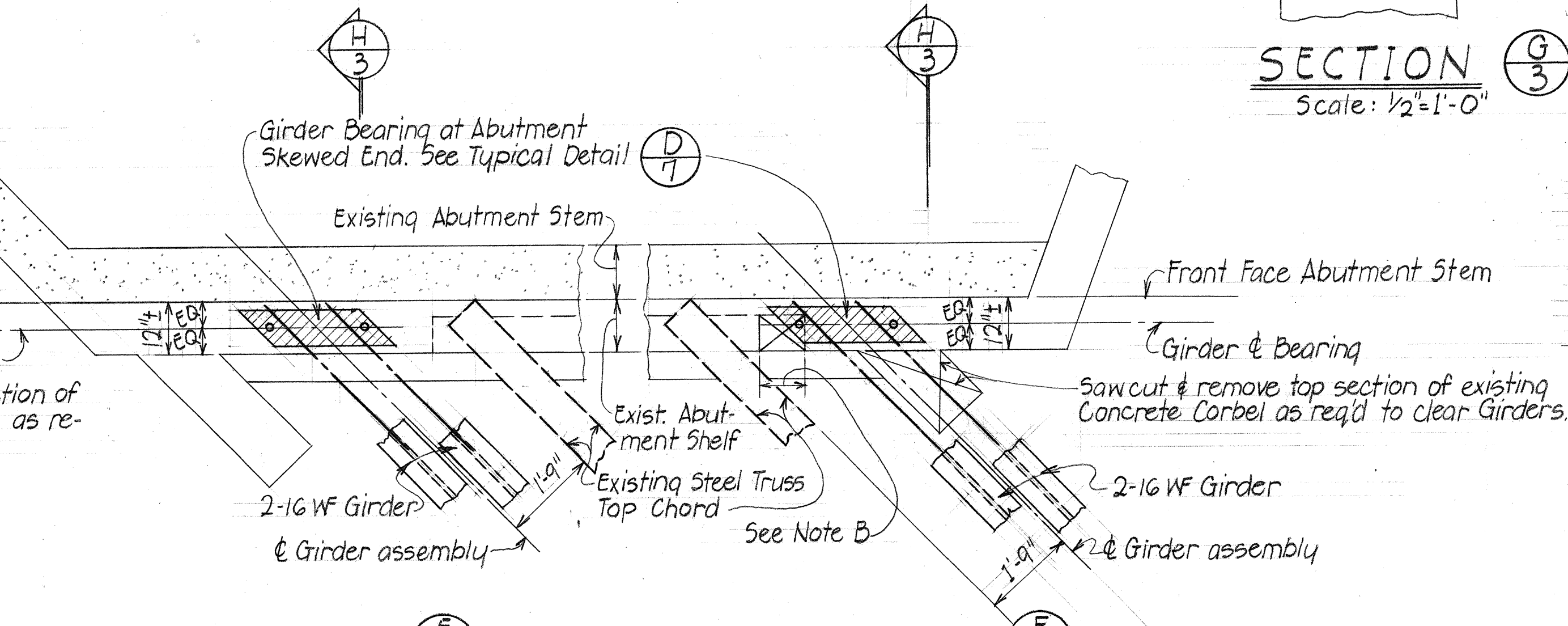
SECTION G-3
Scale: 1/2" = 1'-0"

SECTION H-3
Scale: 1/2" = 1'-0"

NOTE:
Bridge No 2 improvement consists of addition of wood joists and structural steel WF members as shown on plans.



DETAIL C-3
PART DECK FRAMING PLAN - ABUTMENT #2
Scale: 1/2" = 1'-0"



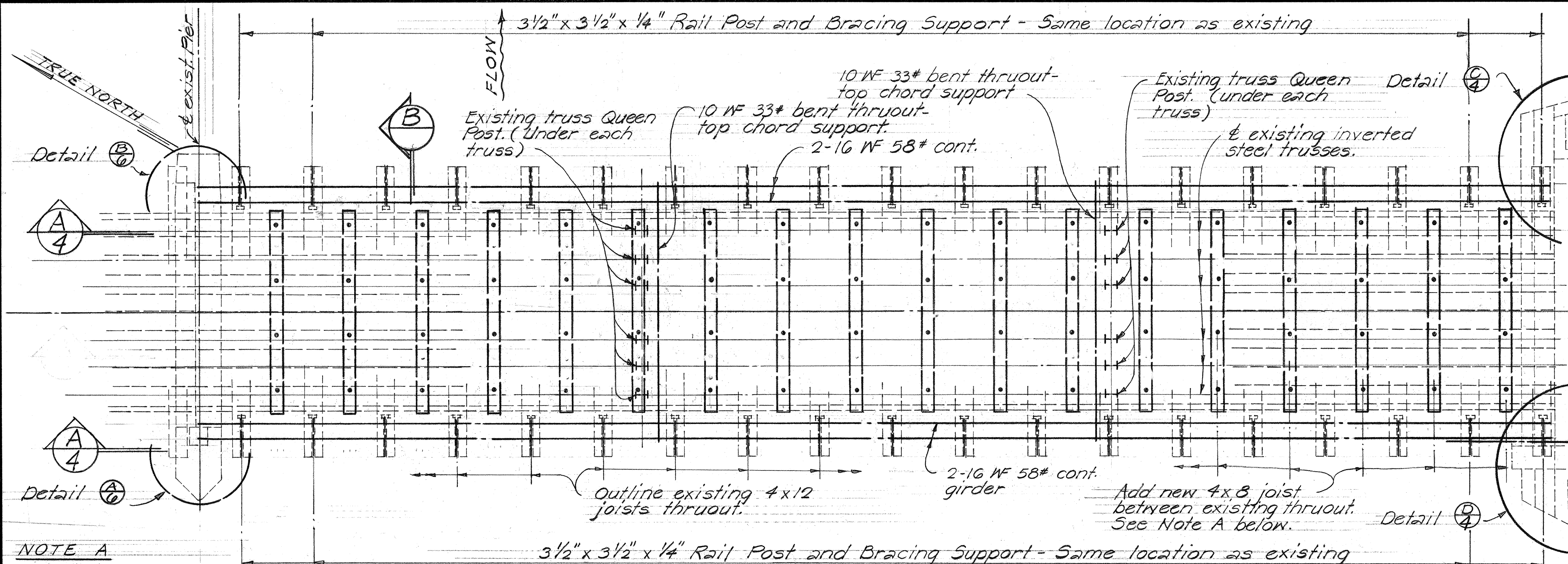
DETAIL E-3
PART DECK FRAMING PLAN - ABUTMENT #1
Scale: 1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BRIDGE IMPROVEMENT
WAINIHA BRIDGE NO. 2

Project No.: BD-63-381, U-1 : Oct. 1968
SHEET No. 3 OF 8 SHEETS

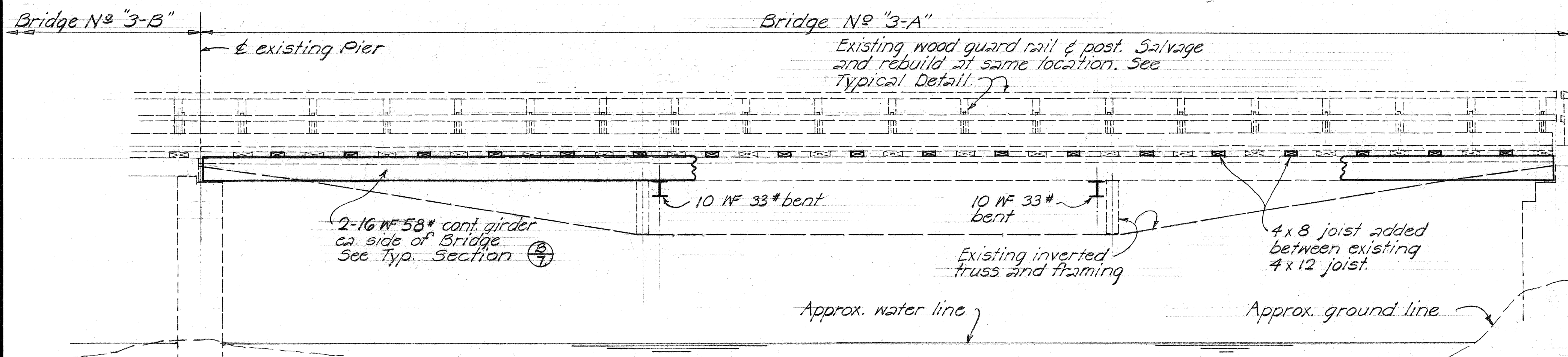
DATE	10/1/68
DESIGNED BY	W. J. L. TO
CHECKED BY	W. J. L. TO
QUANTITIES BY	W. J. L. TO
NOTE BOOK	
ORIGINAL PLAN	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BD-63-381	1969	4	8
Unit 1					

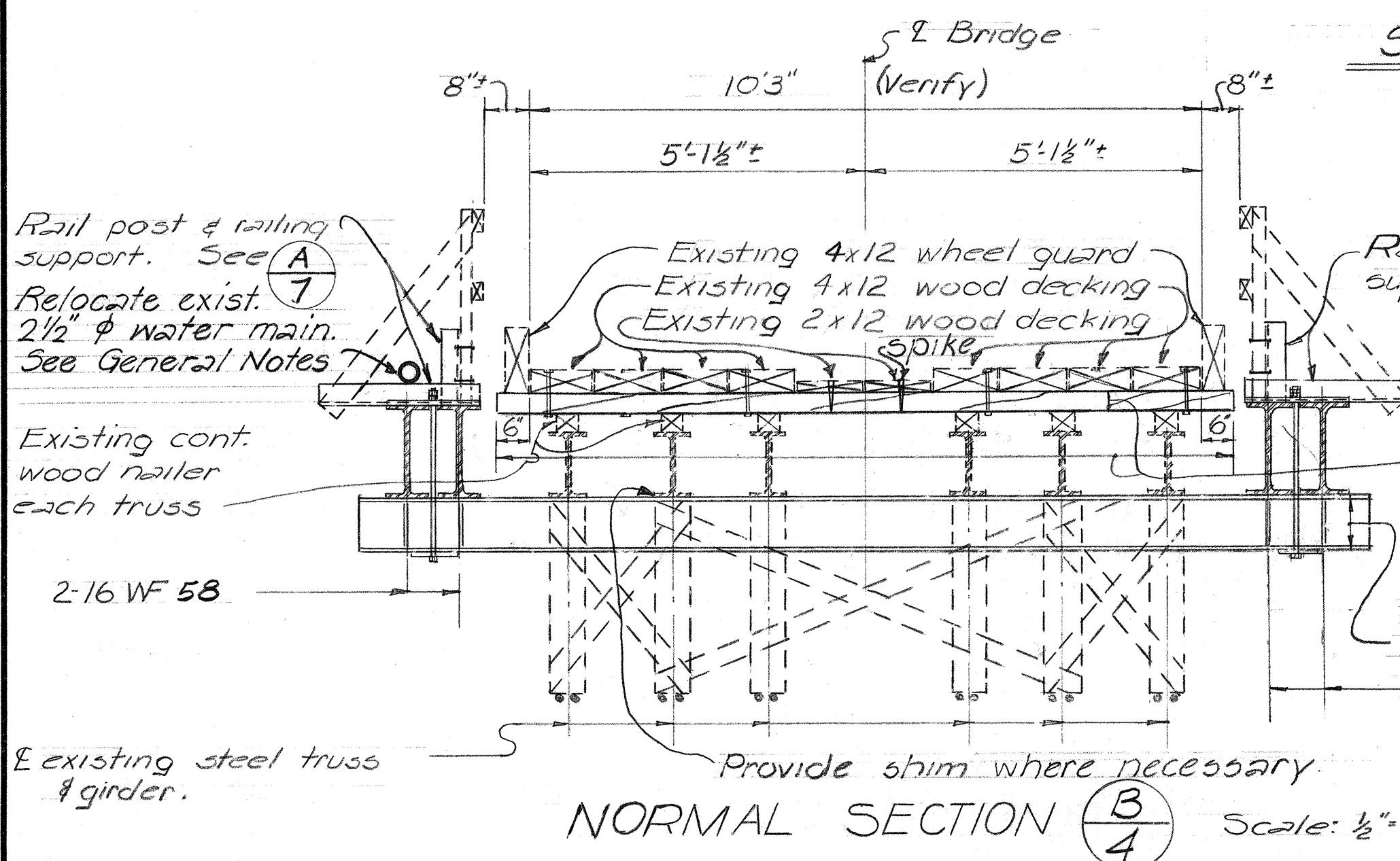


NOTE A
Locate new 4x8 joists between existing 4x12 joists thruout. Provide 1-1/2" ϕ carriage bolt connection with each wood decking. See Typical Detail (9).

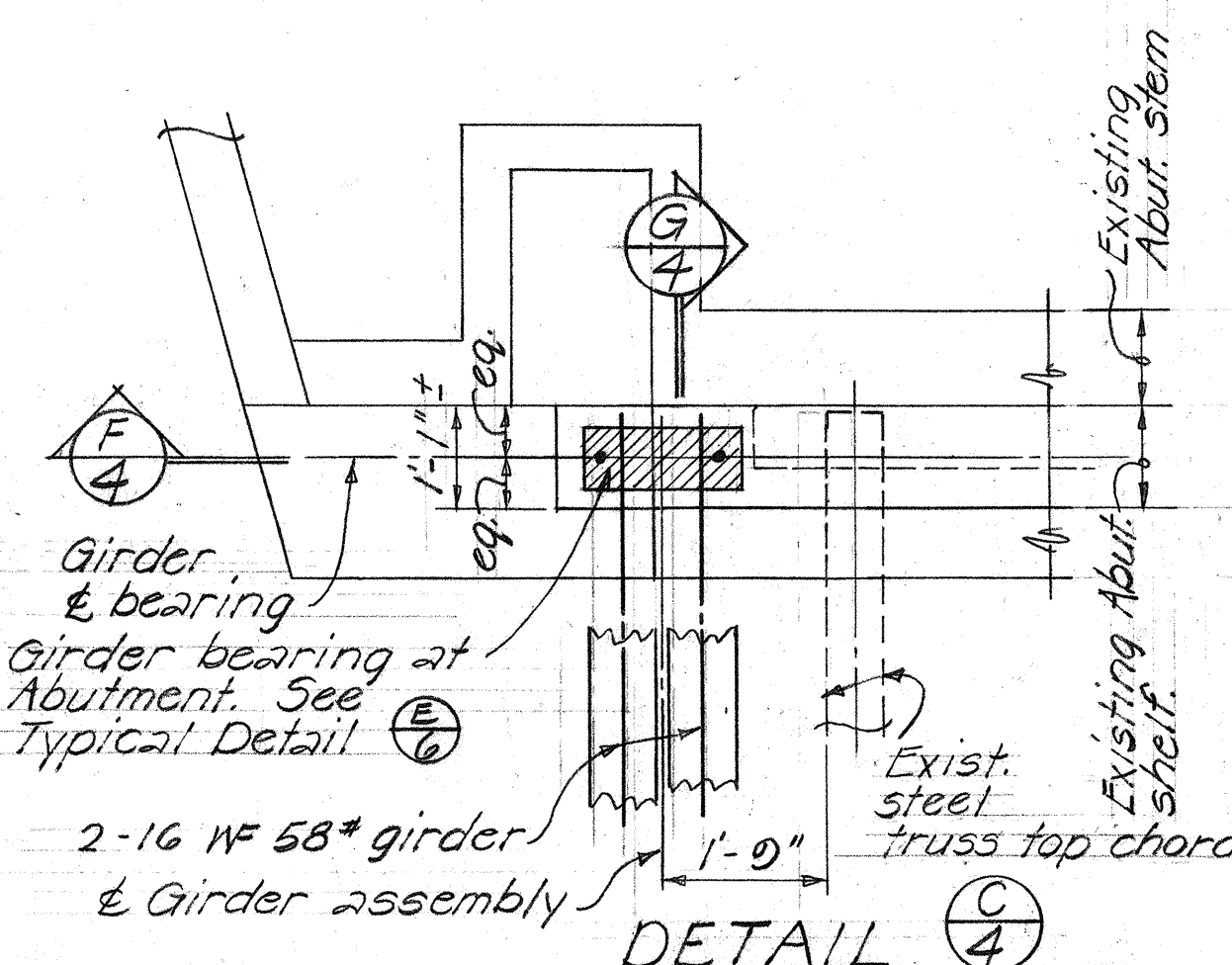
PLAN BRIDGE NO 3-A Scale: 1/4" = 1'-0"



SECTION (A)
Scale: 1/4" = 1'-0"

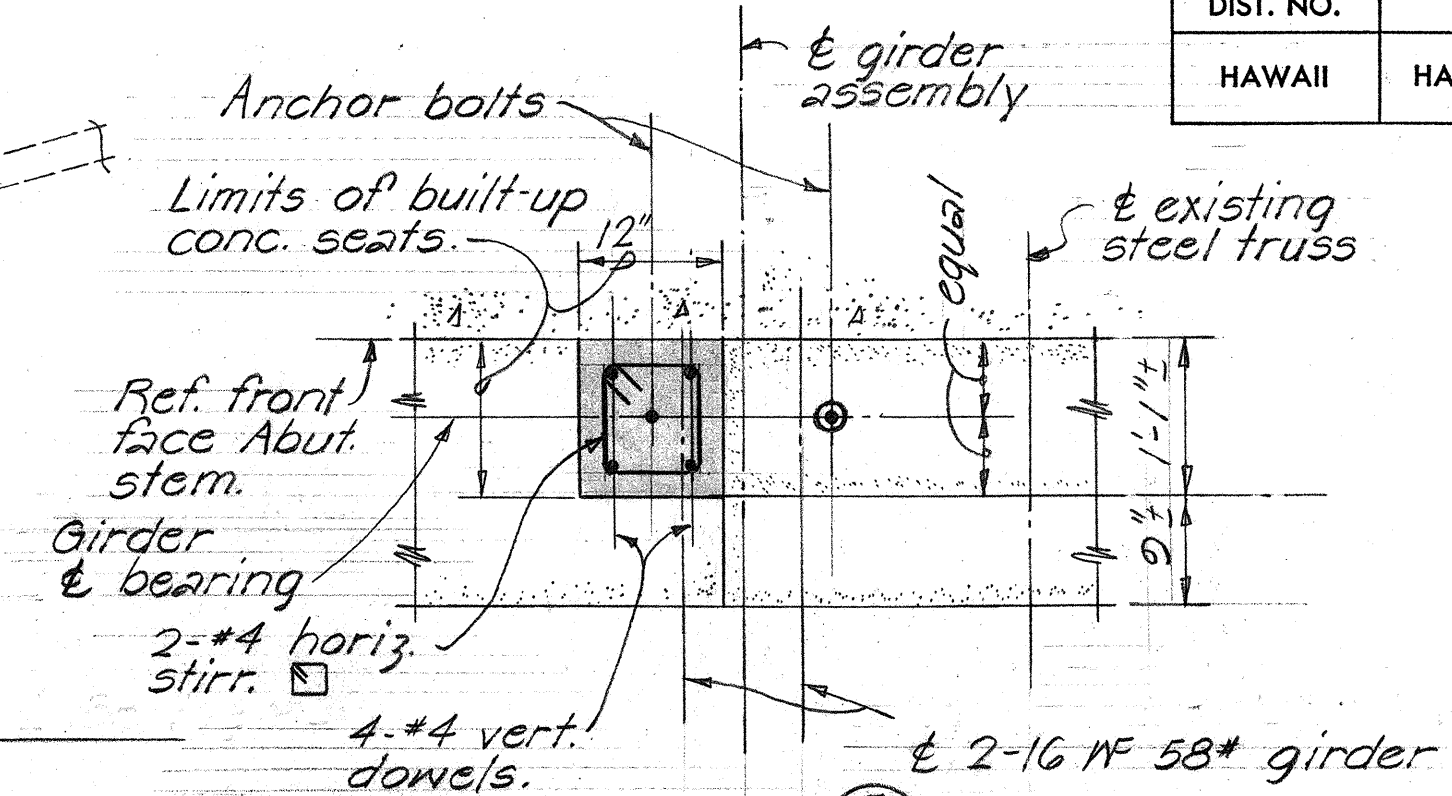


NORMAL SECTION (B) Scale: 1/2" = 1'-0"

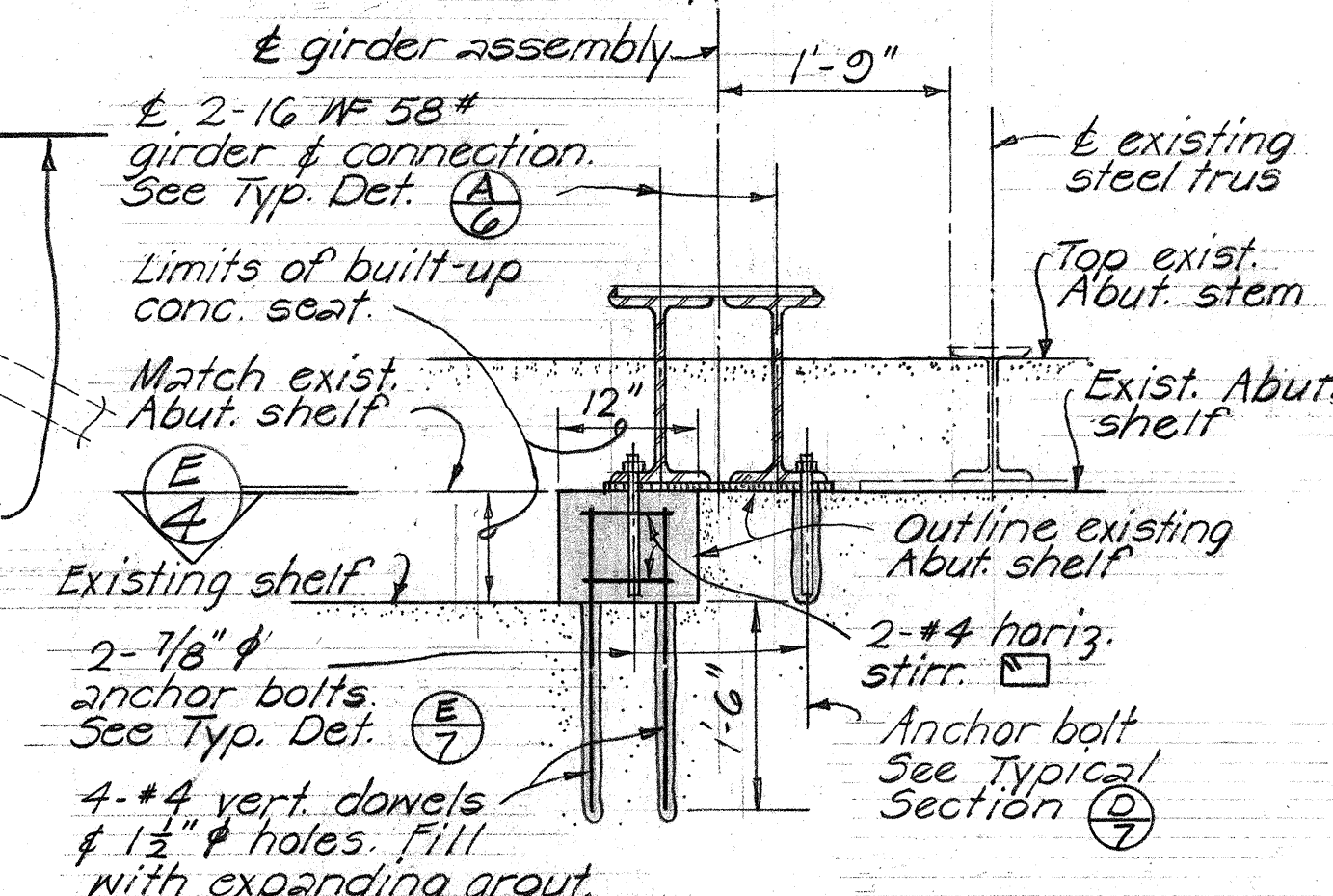


DETAIL (C)

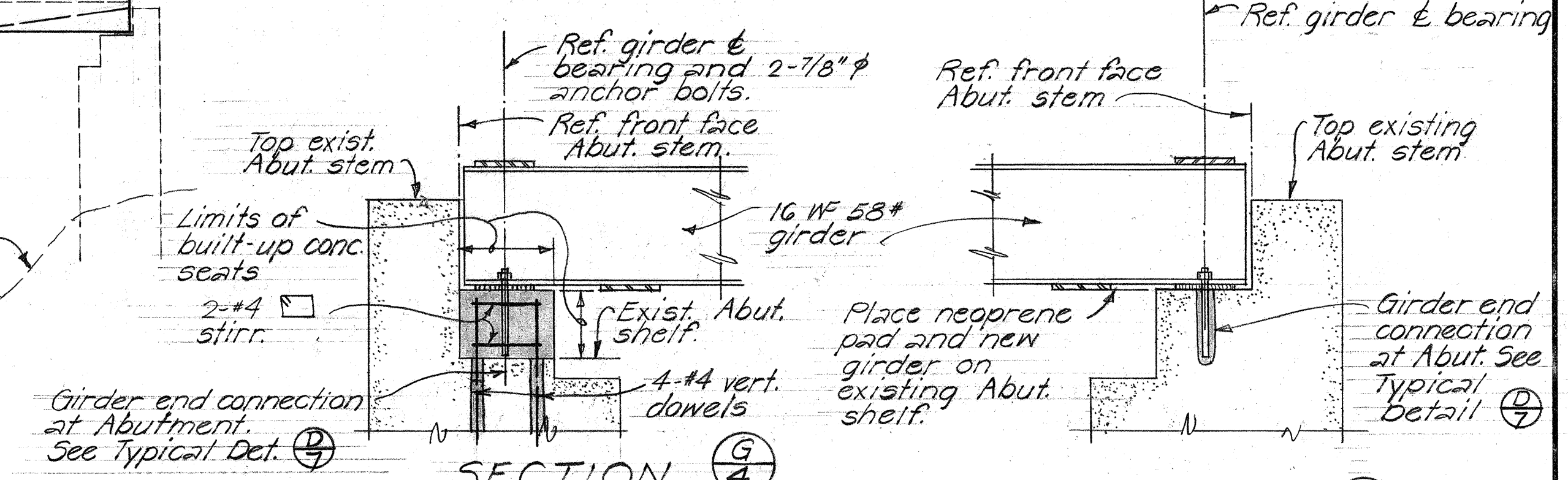
PART DECK FRAMING PLAN-ABUTMENT #1 Scale: 1/2" = 1'-0"



PLAN (E)
Scale: 3/4" = 1'-0"



SECTION (F)
Scale: 3/4" = 1'-0"



SECTION (G)
Scale: 3/4" = 1'-0"

SECTION (H)
Scale: 3/4" = 1'-0"

NOTE:
Bridge No 3-A and No 3-B improvement consists of addition of wood joists and structural steel members as shown on plans.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BRIDGE IMPROVEMENT
WAINIHA BRIDGE NO 3-A

Proj. No. BD-63-381, U-1 Oct. 1968
SHEET No. 4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BD-63-381,	1969	5	8
		Unit 1			

