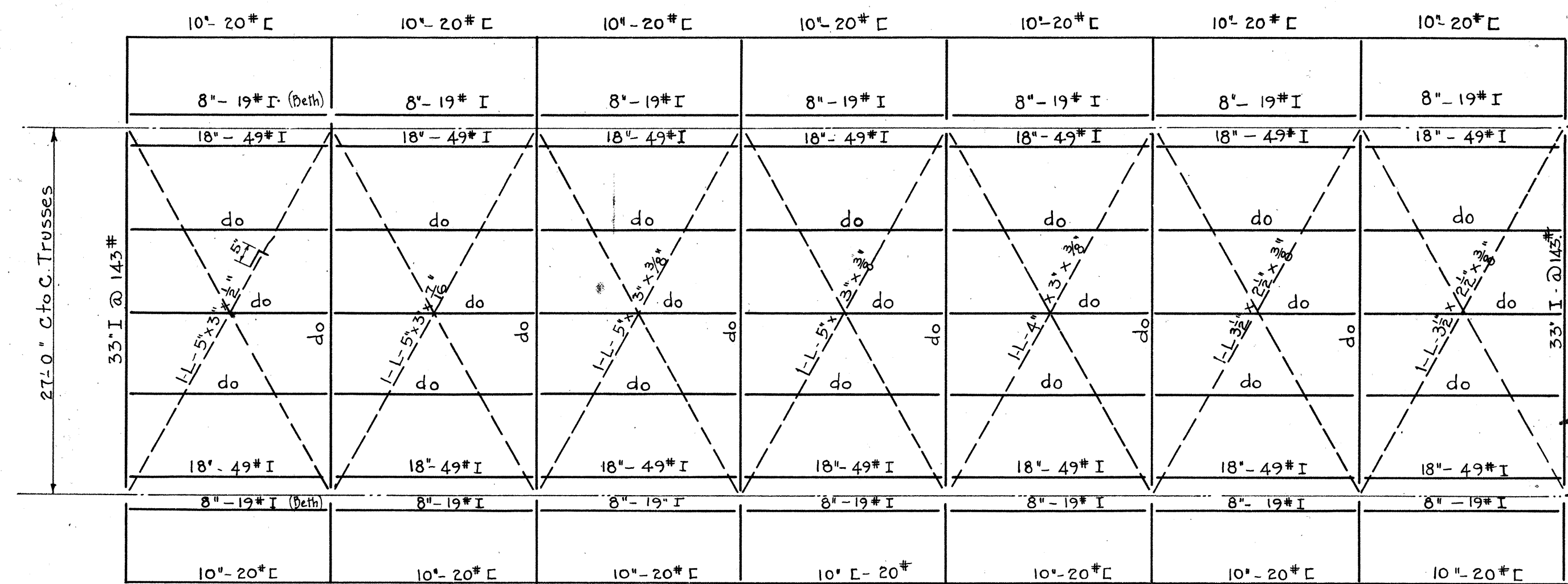
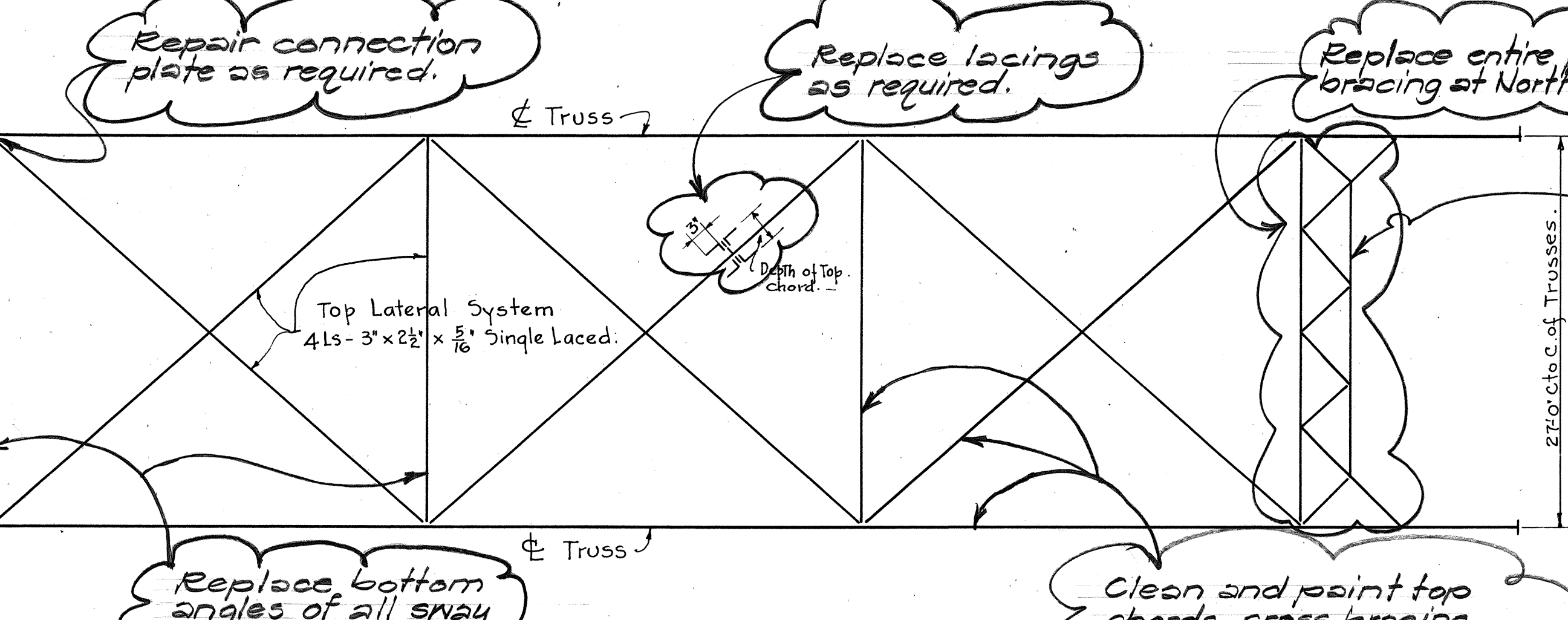


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	80A-01-88M	1988	4	6

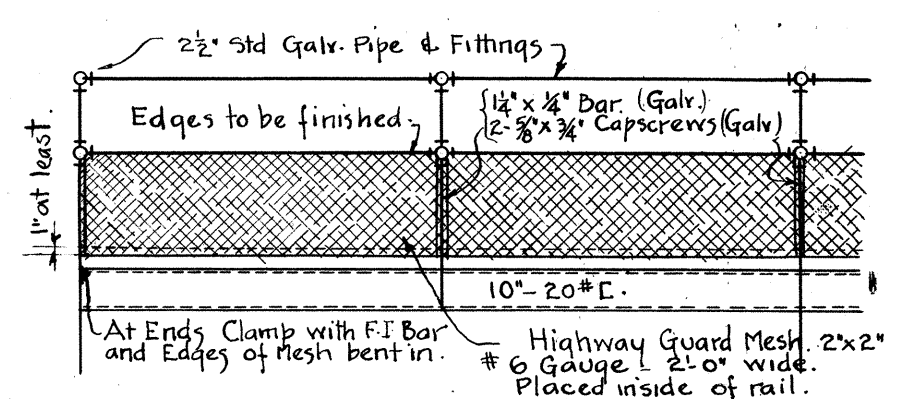


HALF BOTTOM PLAN

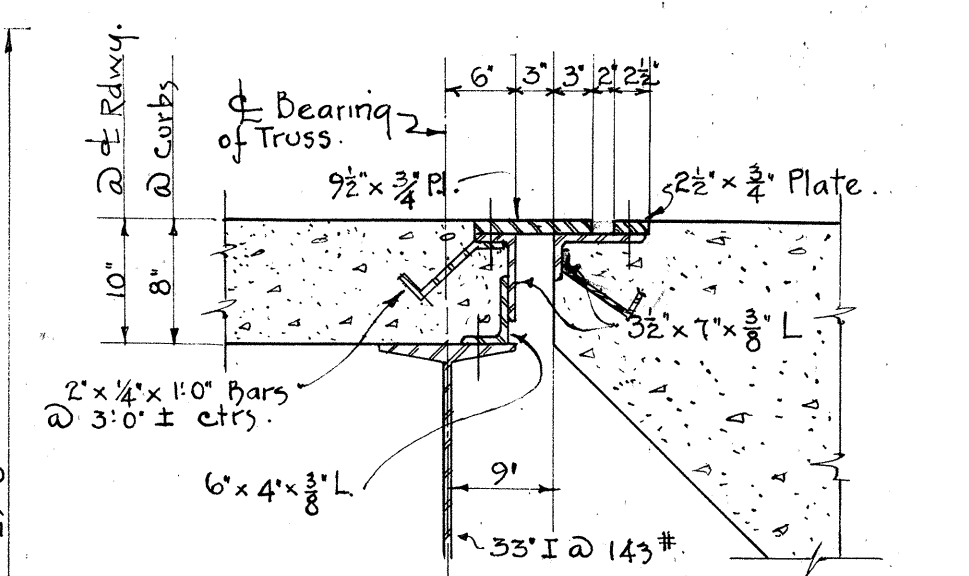
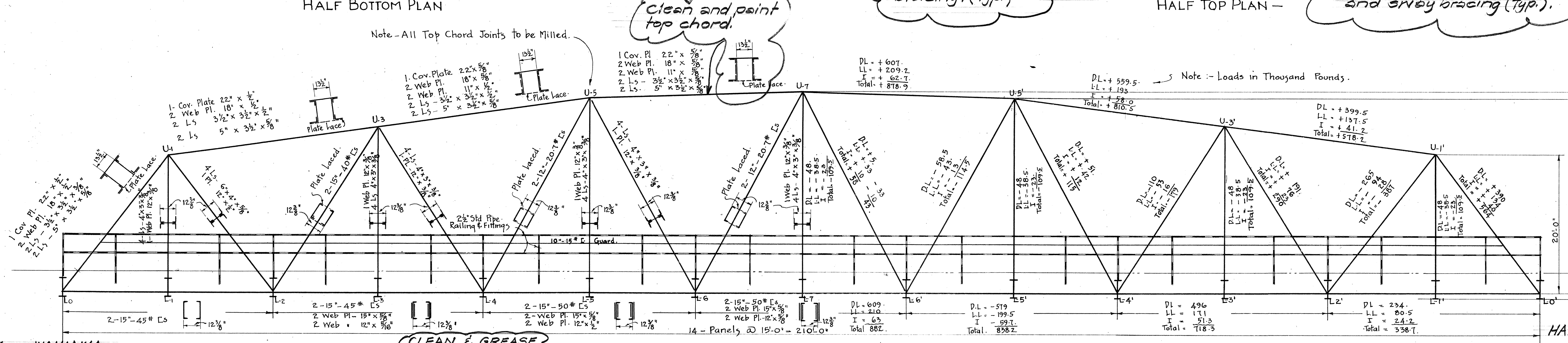


HALF TOP PLAN -

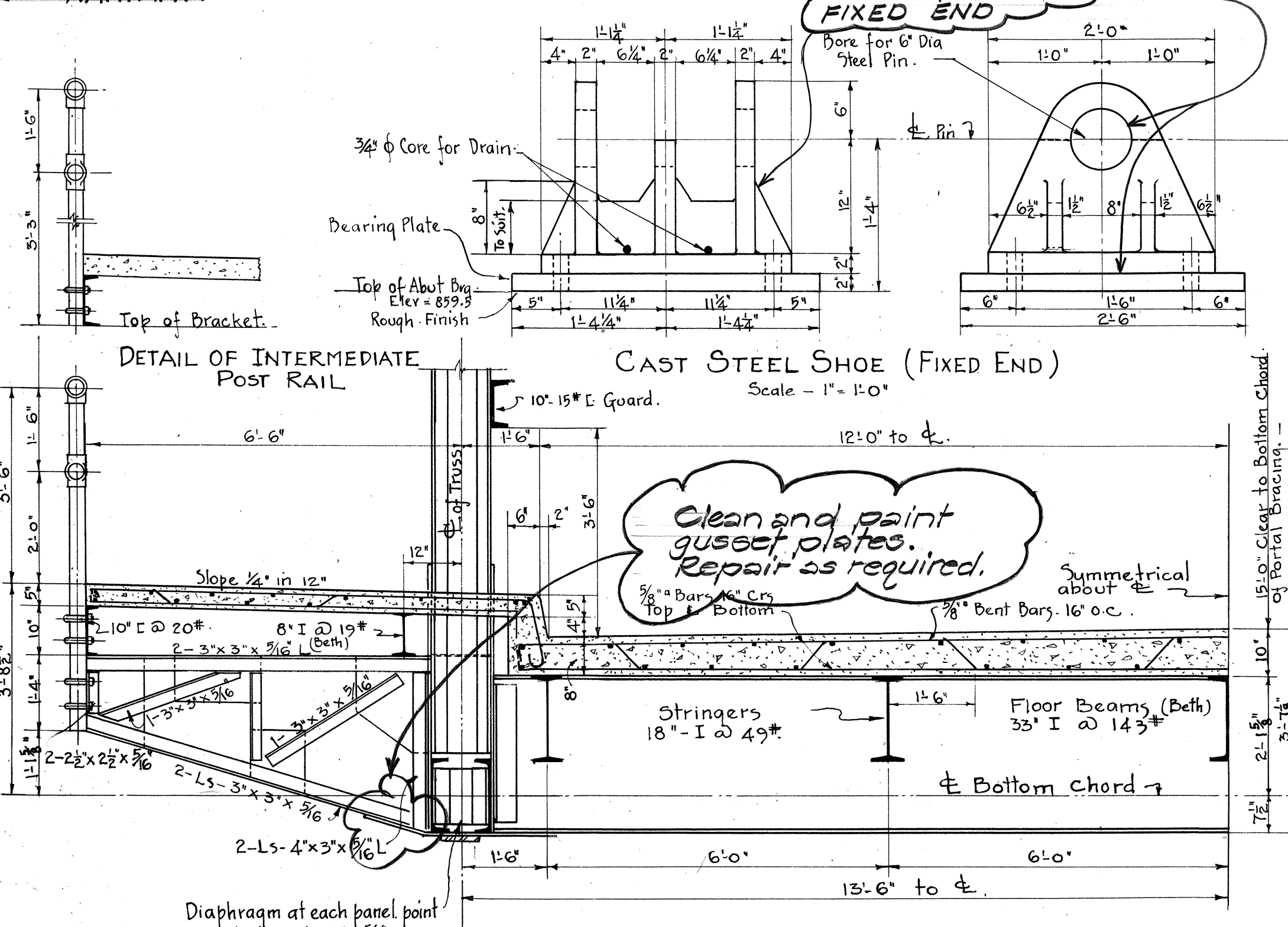
Replace bottom angle at South end.



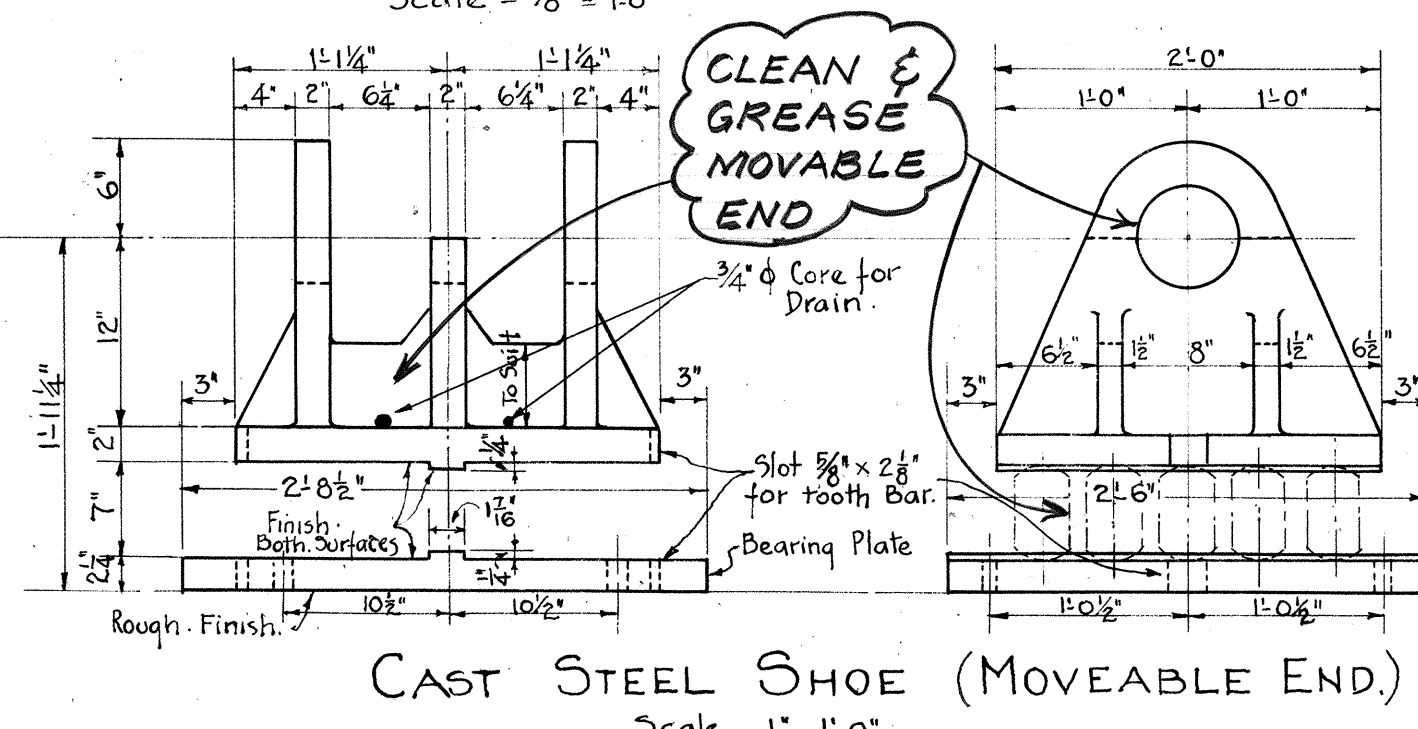
DIAGRAMMATIC ELEVATION OF RAILING SHOWING MESH & METHOD OF FASTENING.



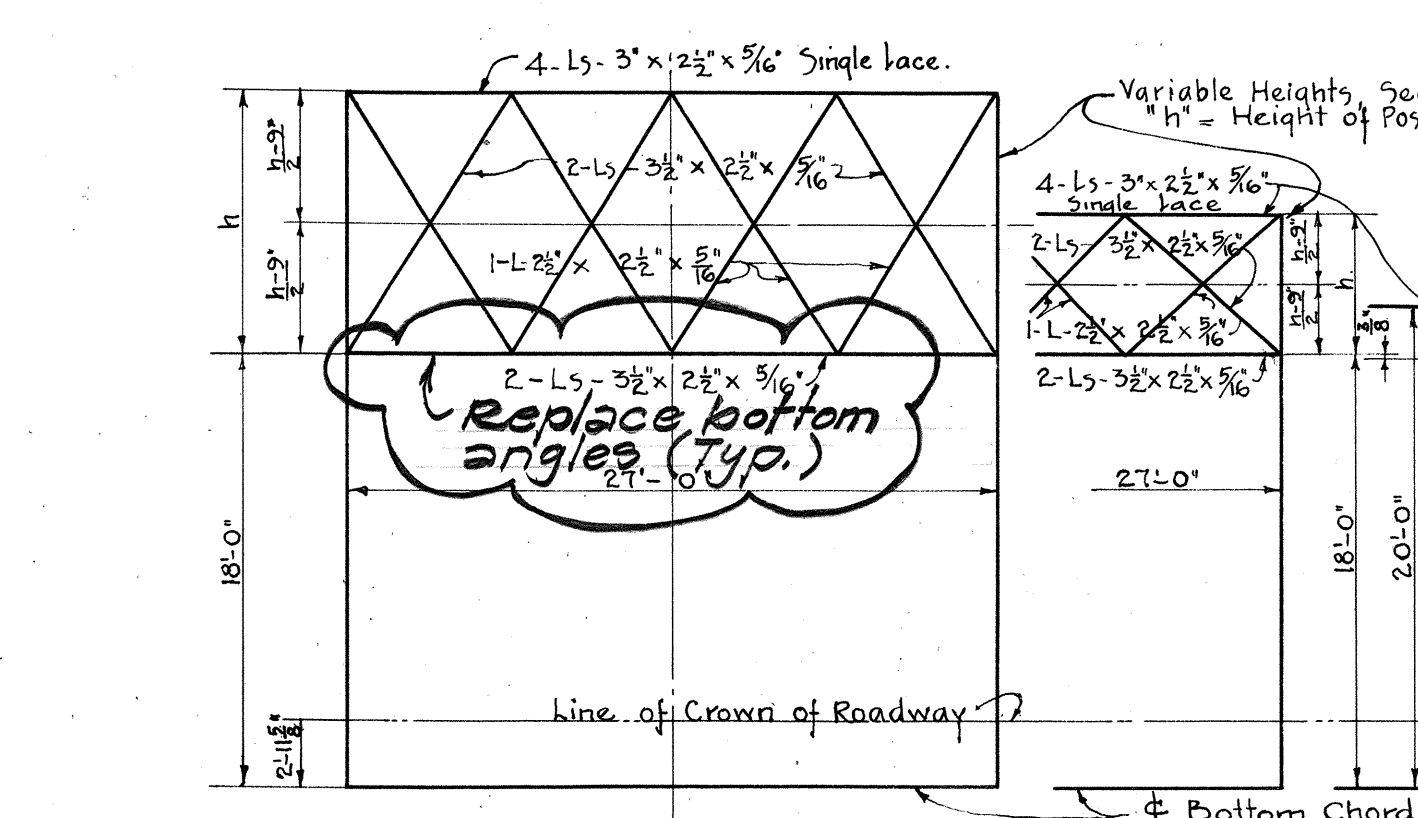
DETAIL AT EXPANSION JOINT AT ABUTMENT. (See Sheet 6.) Use asphaltic Joint at Sidewalk where shown Scale = 3/4" = 1'-0" on Sheet 6.



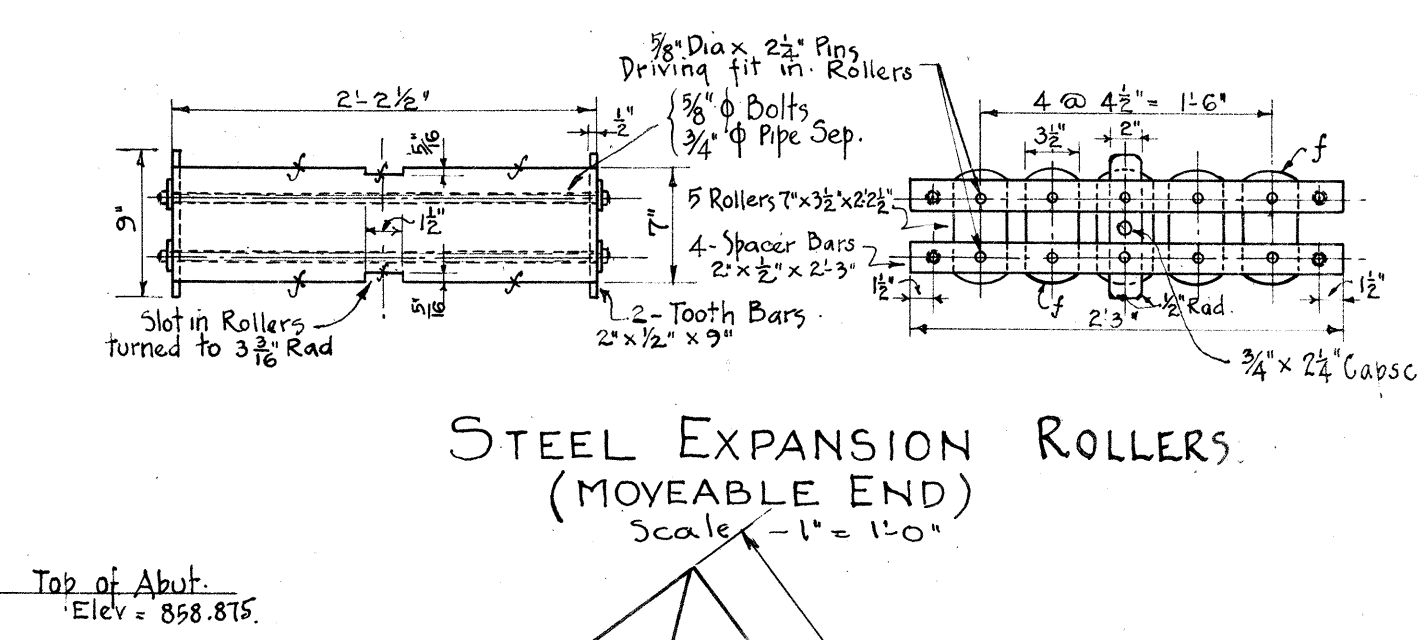
HALF SECTION THRU DECK. Scale = 1/2" = 1'-0"



CAST STEEL SHOE (FIXED END) Scale = 1" = 1'-0"



CAST STEEL SHOE (MOVEABLE END) Scale = 1" = 1'-0"



STEEL EXPANSION ROLLERS (MOVEABLE END) Scale = 1" = 1'-0"

INTERMEDIATE SWAY BRACING. Scale = 1/2" = 1'-0"

NOTE DENOTES CLEANING OR REPAIR WORK OF EXISTING KARSTEN THOT BRIDGE STRUCTURE.

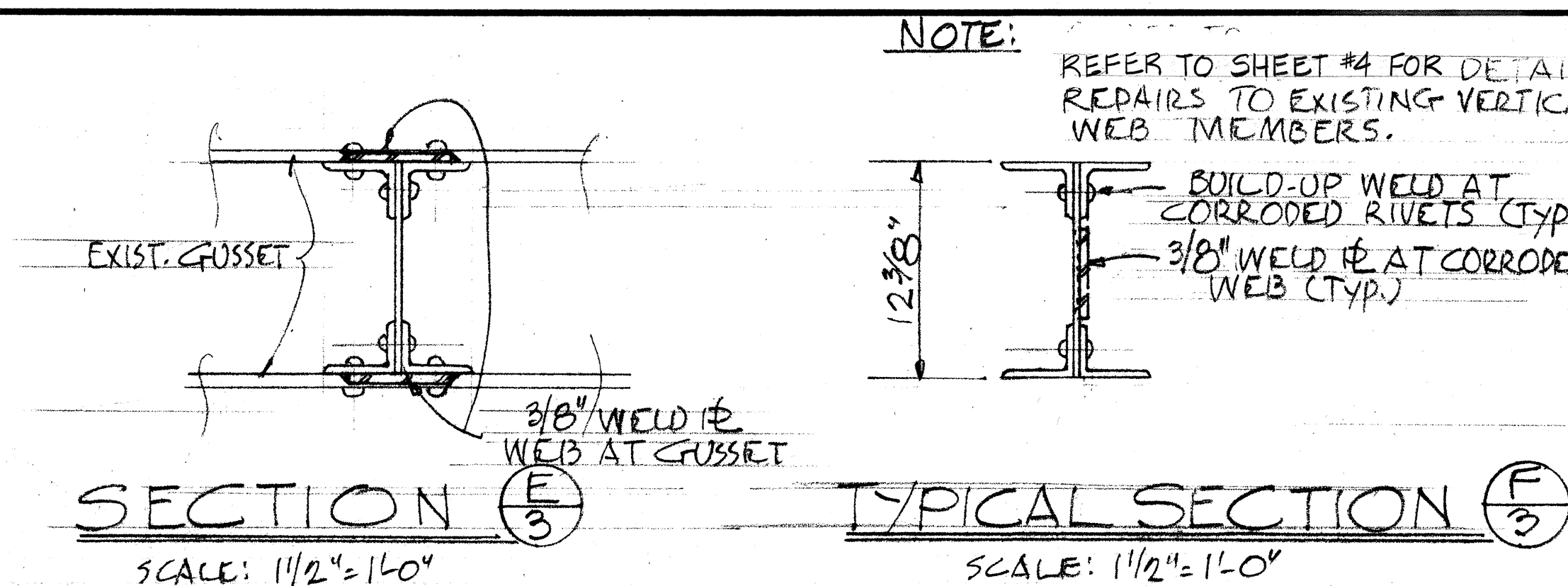
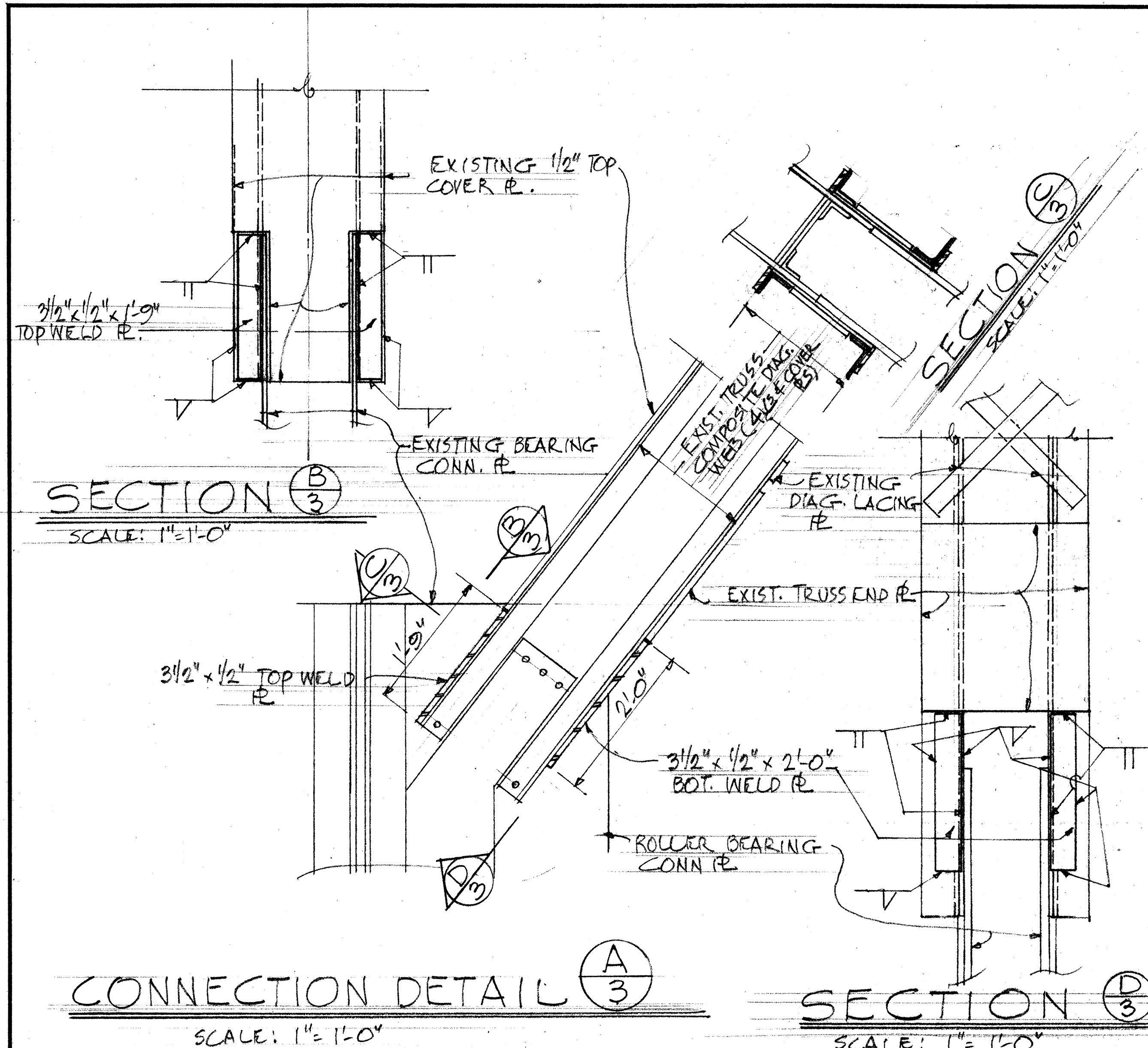
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL REPAIR DETAILS
KAMEHAMEHA HIGHWAY
REPAIR & PAINT
KARSTEN THOT BRIDGE
Proj. N2 80A-01-88M
Scale: As noted Date: Jan. 1988

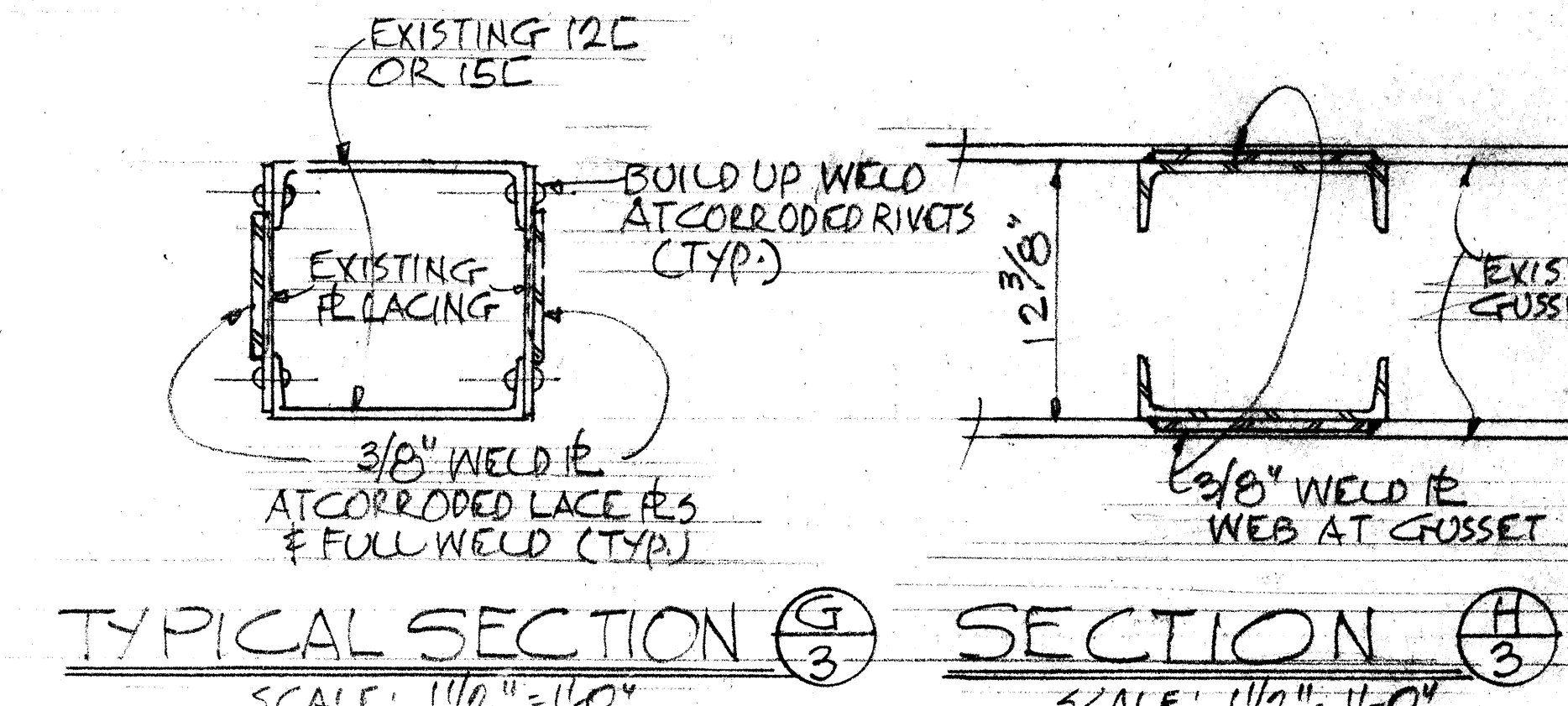
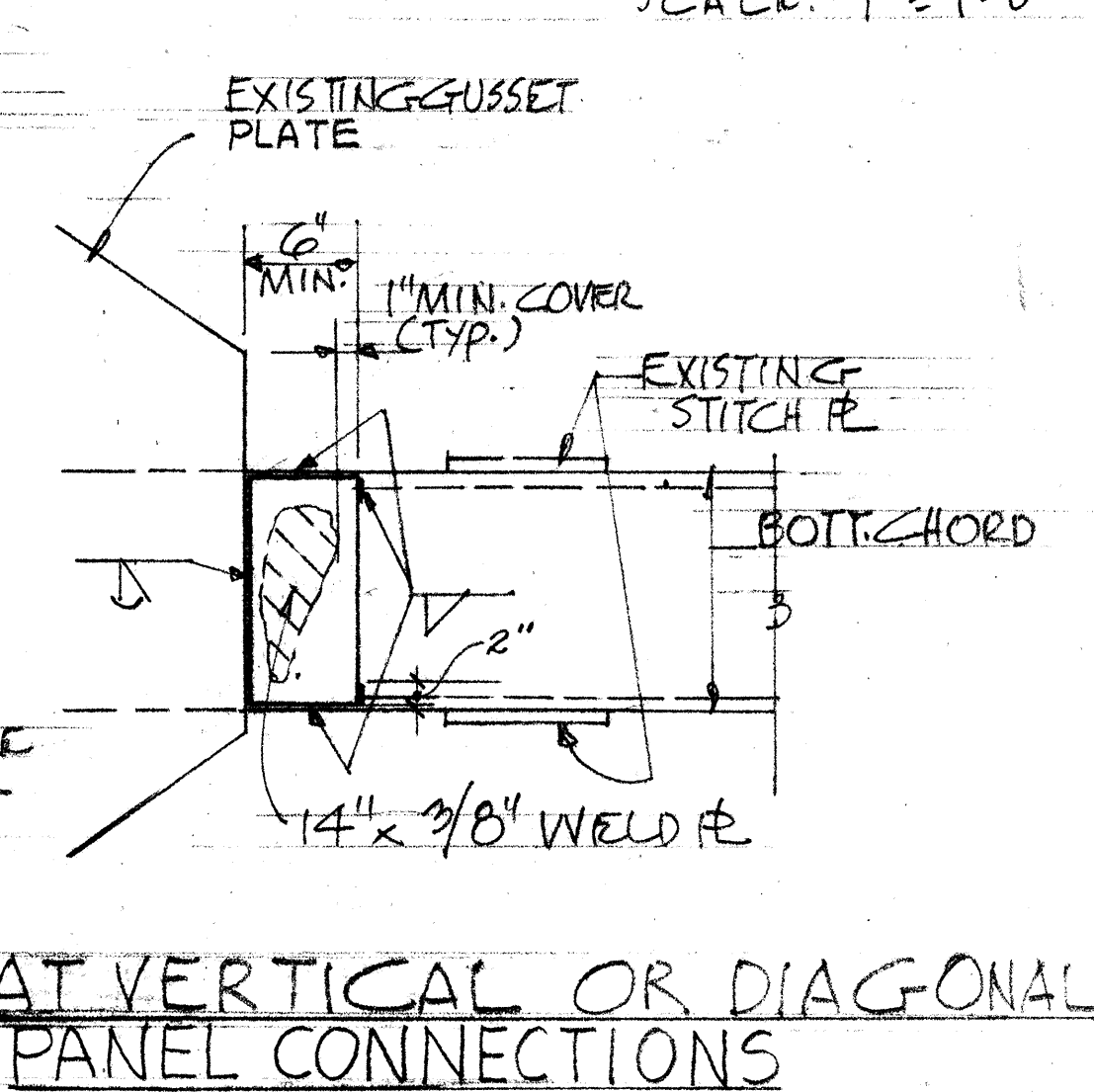
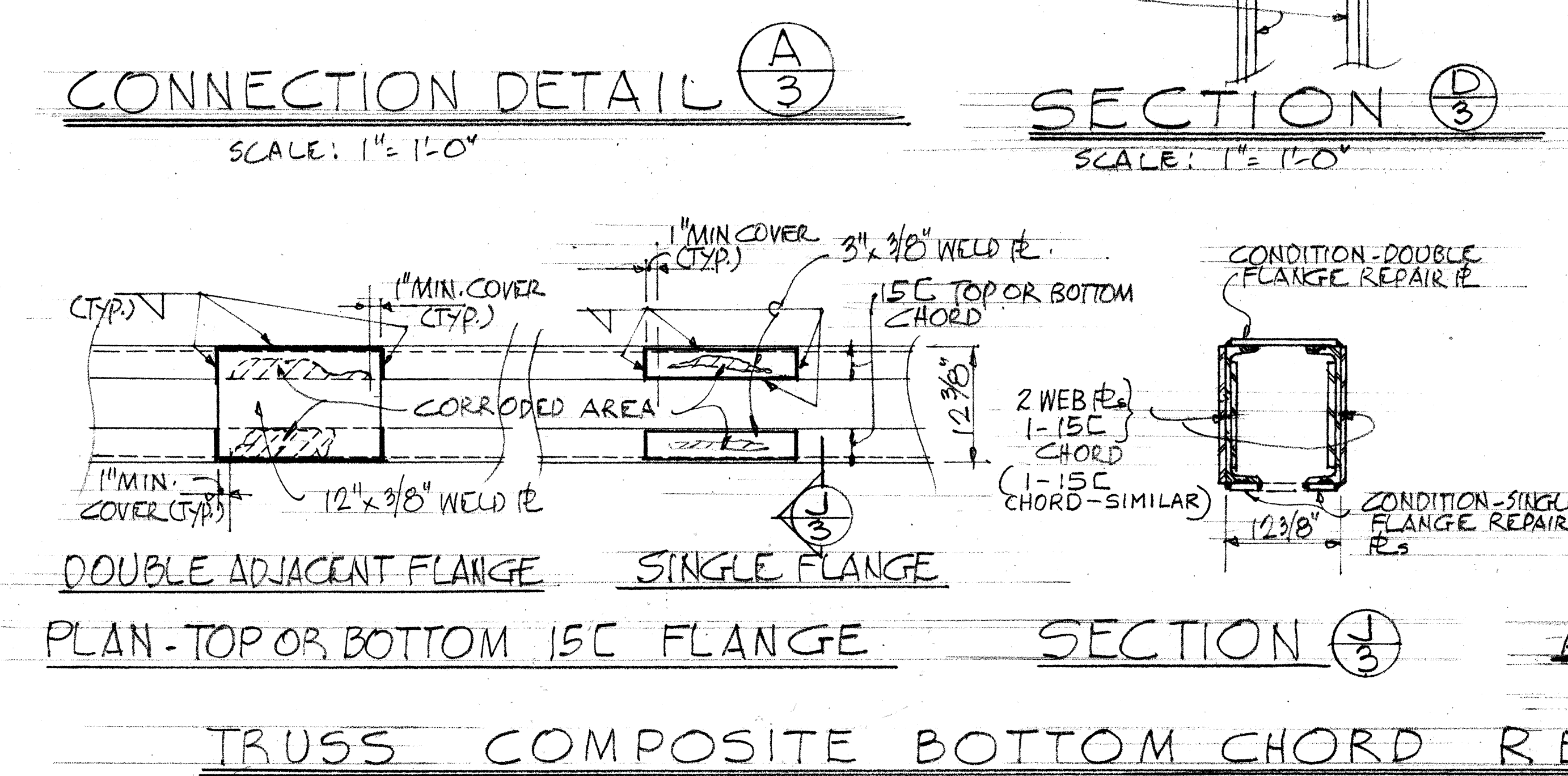
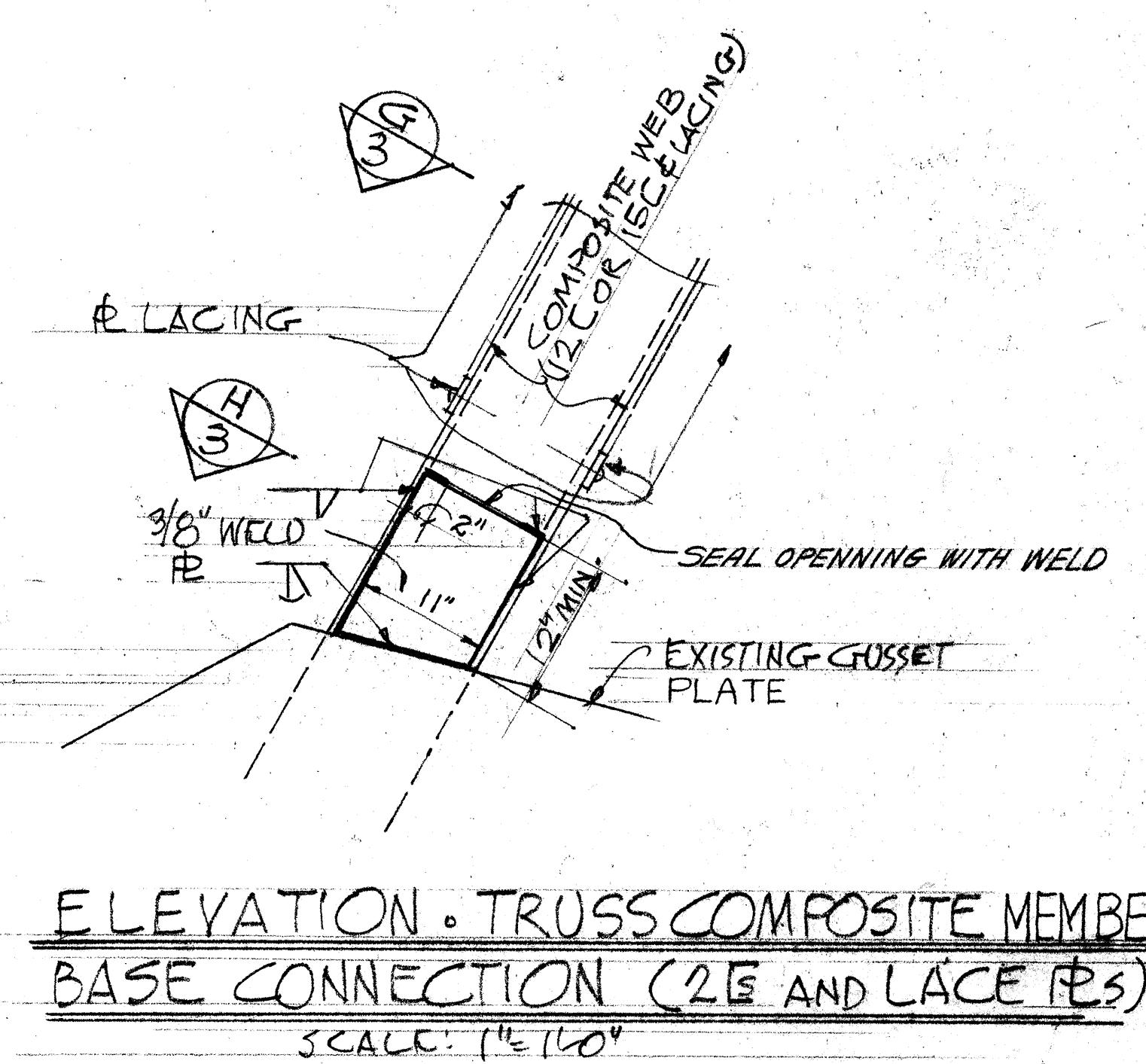
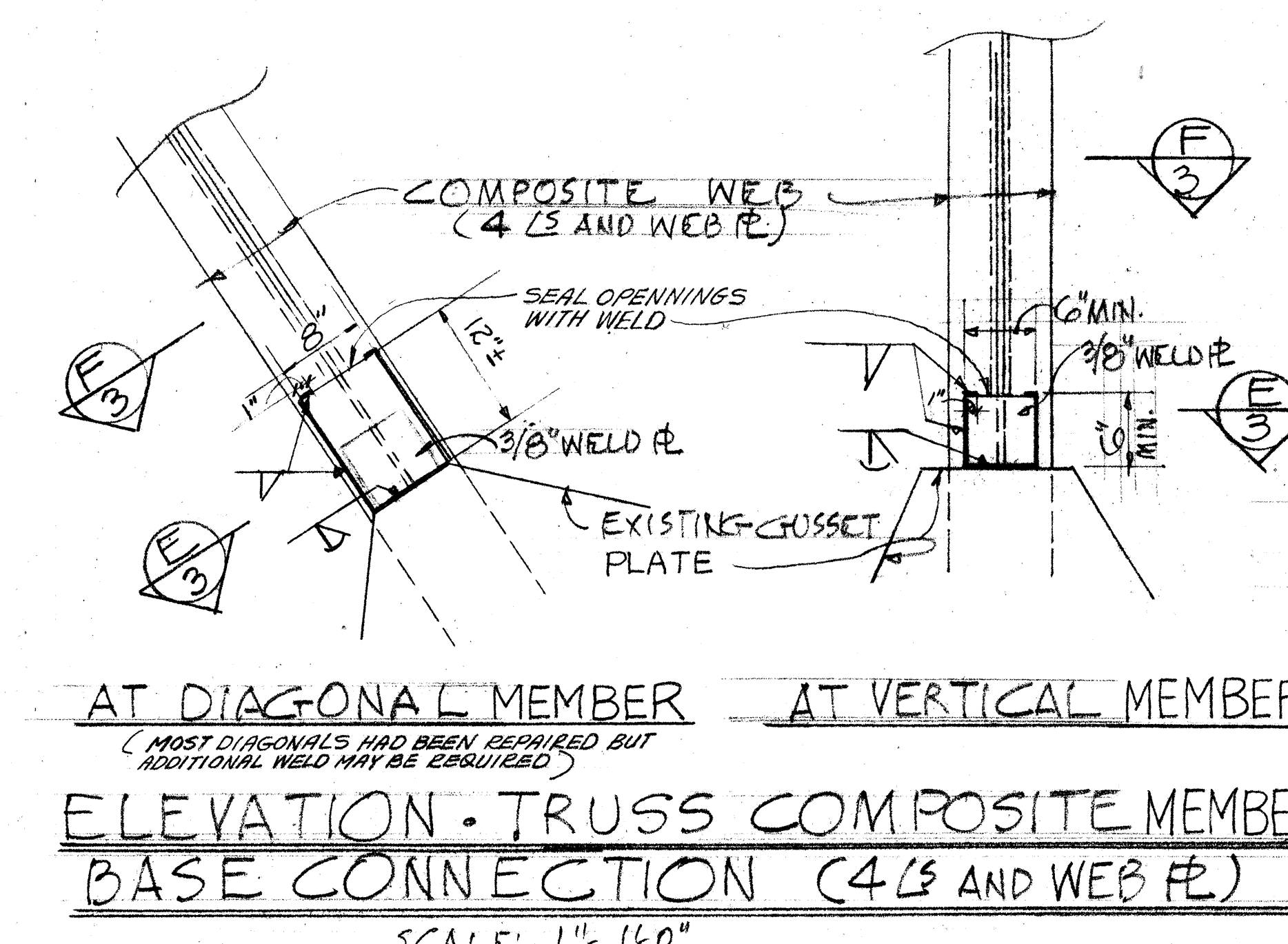
OFFICE OF THE CITY & COUNTY ENGINEER
HONOLULU, HAWAII
BRIDGE OVER NORTH FORK "KAUKONAHUA STREAM"
WAHIAWA
STRUCTURAL STEEL DESIGN

ENGINEER: G.K. Dawson
DRAFTSMAN: G.K. Dawson
SCALE: As Noted
DATE: 1/19/88
CHECKED BY: [Signature]
APPROVED: [Signature]
CITY & COUNTY ENGINEER

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	80A-01-88M	1988	5	6



NOTE: REFER TO SHEET #4 FOR DETAILS OF REPAIRS TO EXISTING VERTICAL & DIAGONAL WEB MEMBERS.



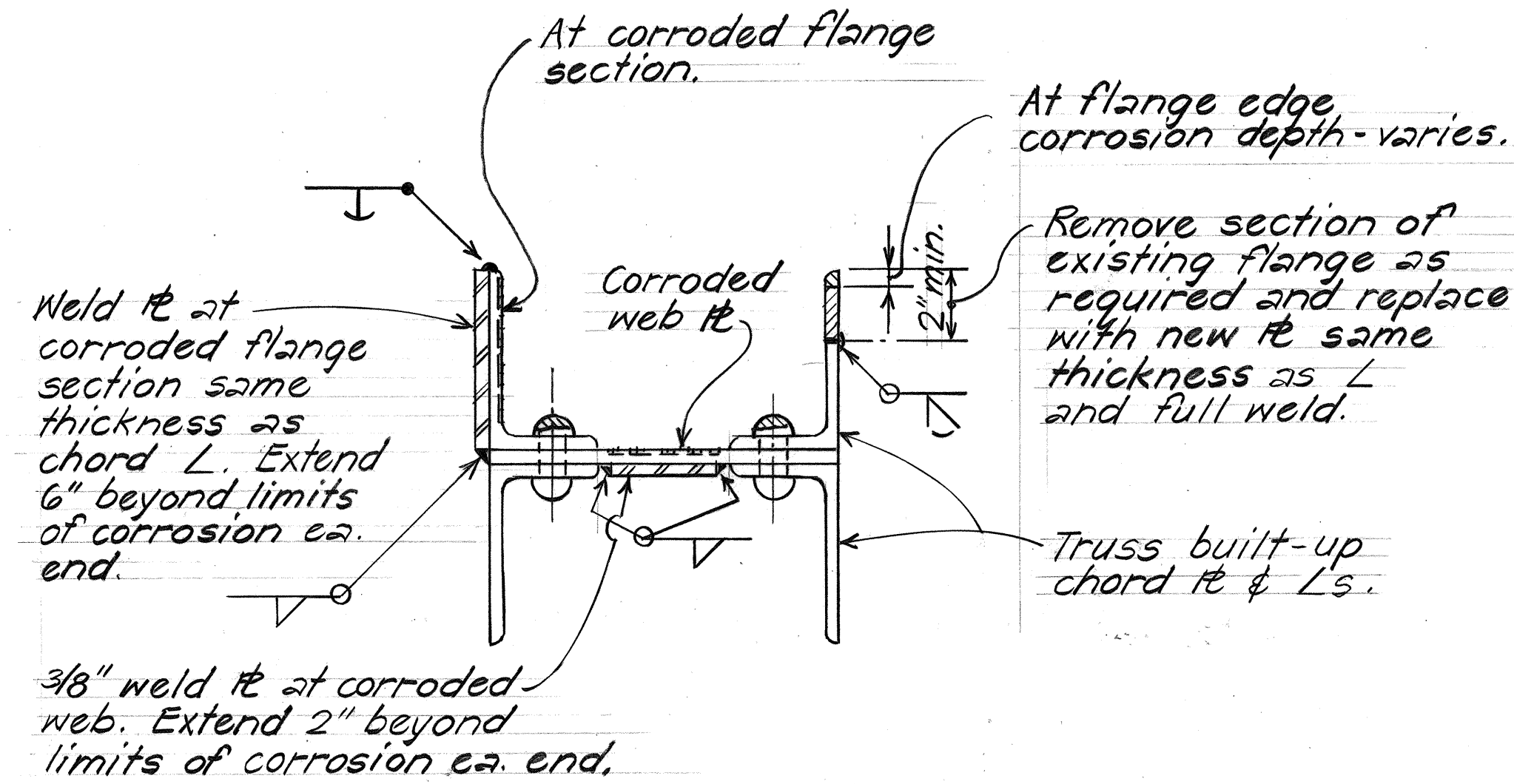
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL REPAIR DETAILS
KAMEHAMEHA HIGHWAY
REPAIR & PAINT
KARSTEN THOT BRIDGE
Proj. No. 80A-01-88M
Scale: As Noted Date: Jan. 1988
SHEET No. 3 OF 4 SHEETS

- NOTES:
1. REFER TO SHT. #4 REPAIR DETAILS FOR APPLICABLE REPAIR WORKS OR DETAILS NOT COVERED BY THIS SHEET.
 2. REFER TO SHT. #1 & #2 EXISTING KARSTEN THOT BRIDGE FOR LOCATIONS OF THE VARIOUS APPLICABLE DETAILS OF THIS DRAWING.

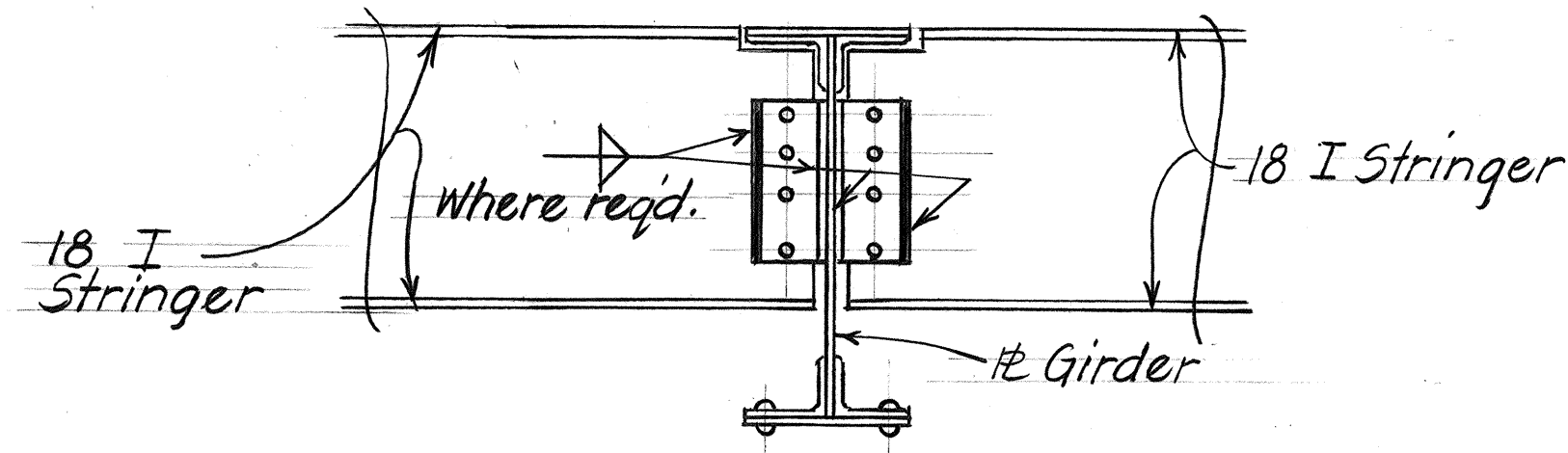
DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
CHECKED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____

SCALE: 1"=1'-0"

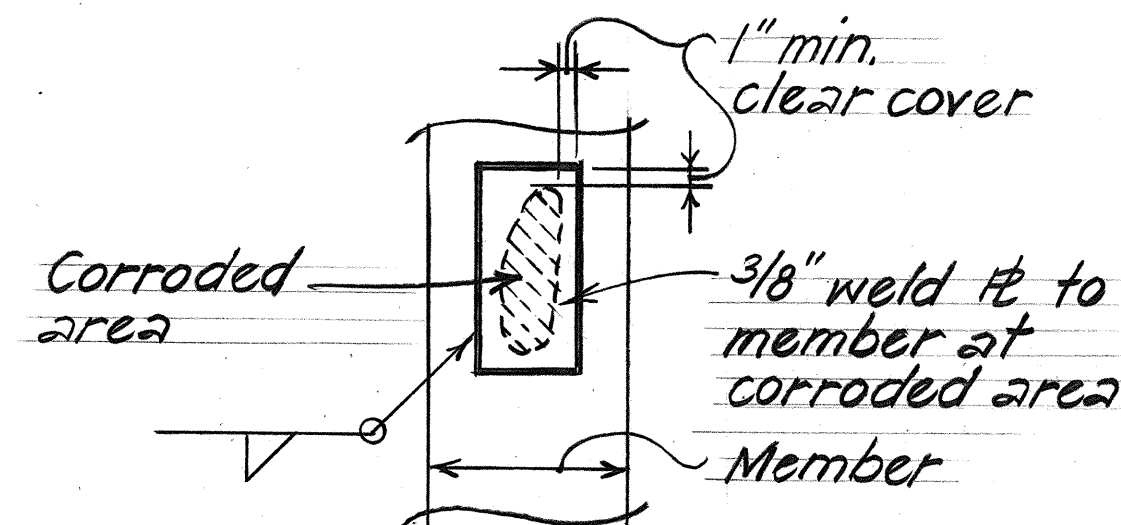
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	80A-01-88M	1988	6	6



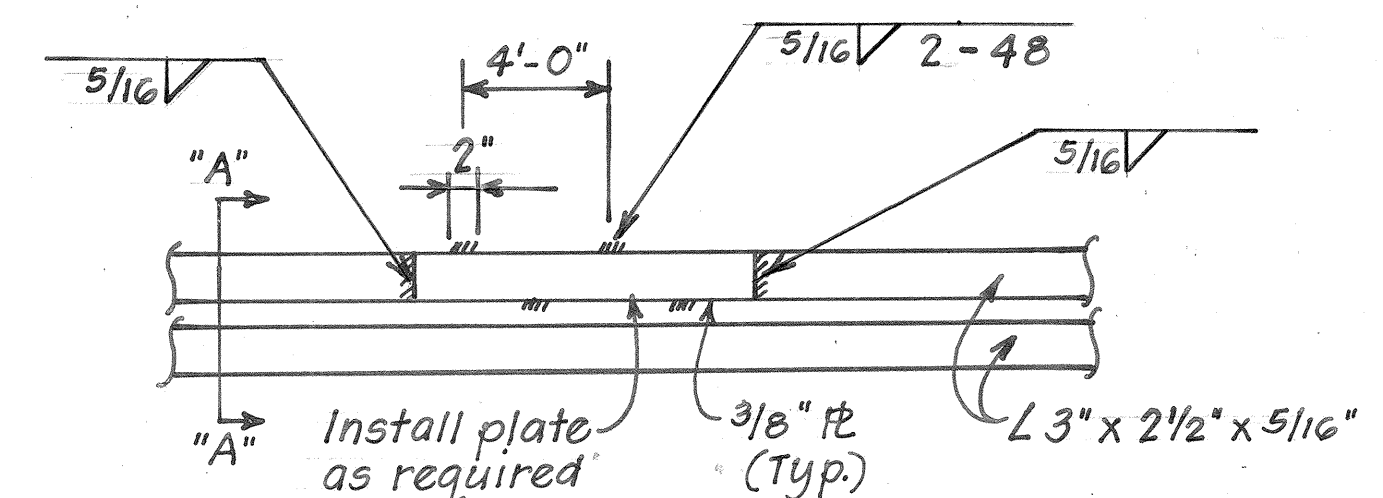
TYPICAL TRUSS REPAIRS
(VERTICAL & DIAGONAL WEB MEMBERS)
No Scale



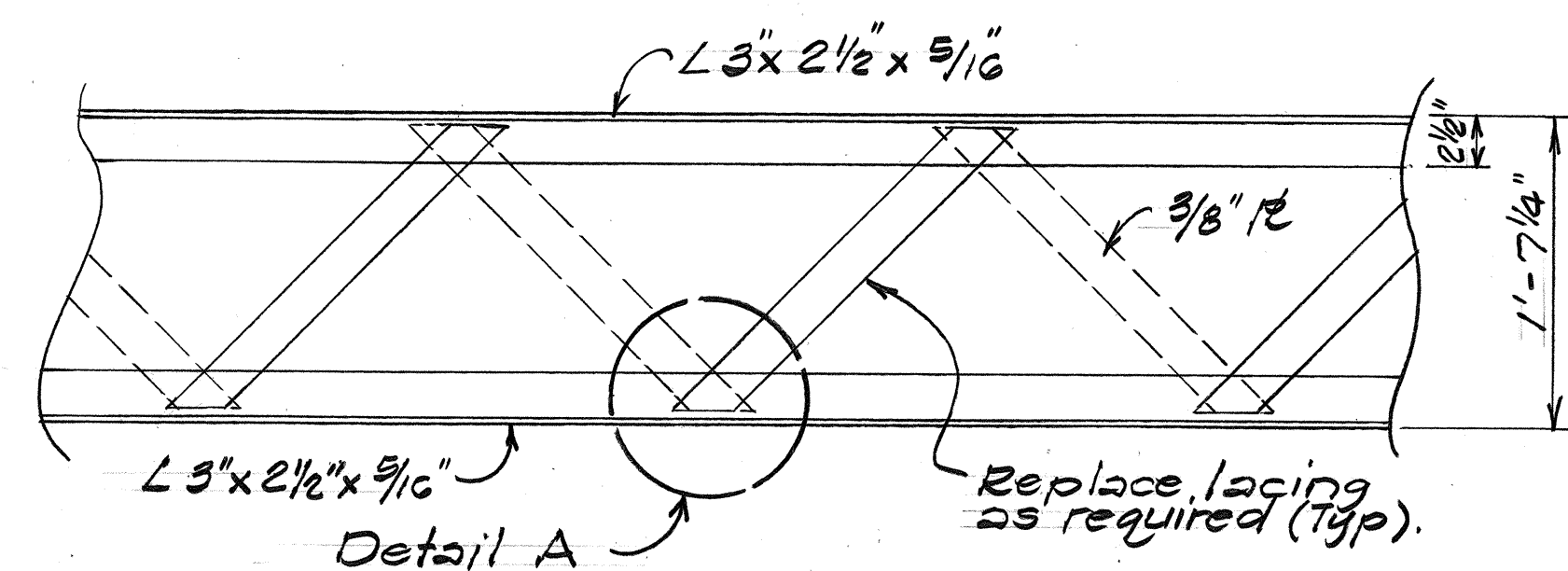
TYPICAL FLOOR STRINGER CONNECTION AT 1/2 GIRDER
Scale: 1" = 1'-0"



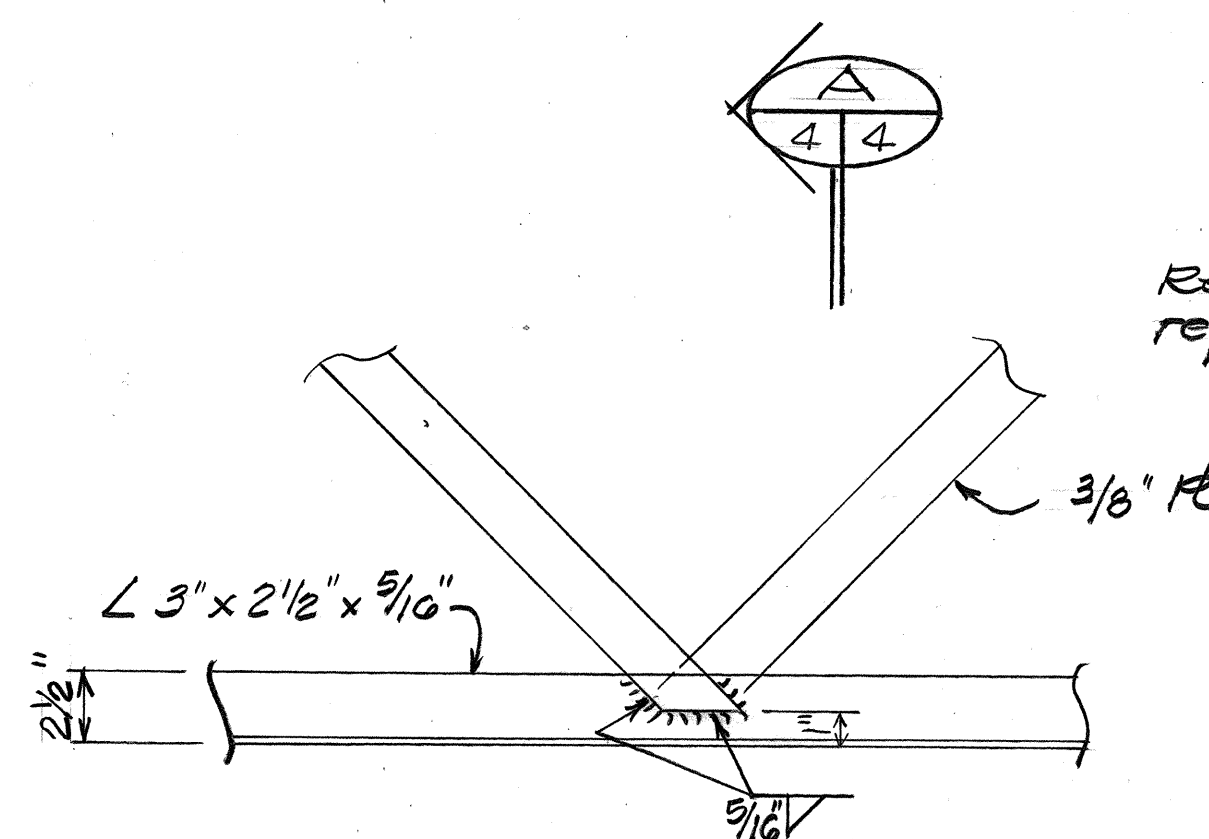
TYPICAL REPAIR TO CORRODED AREA OF OTHER MEMBERS
No Scale



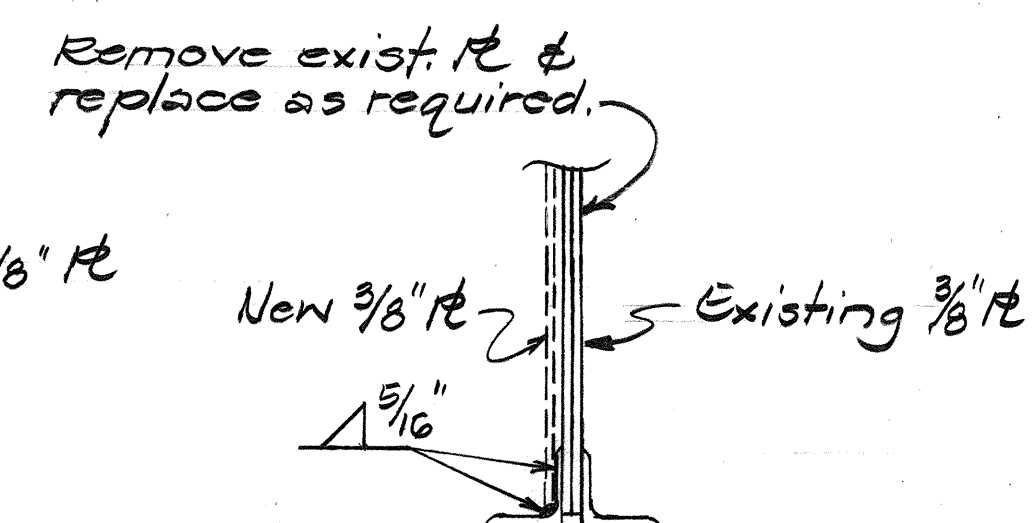
TYPICAL ANGLE REPAIR
No Scale



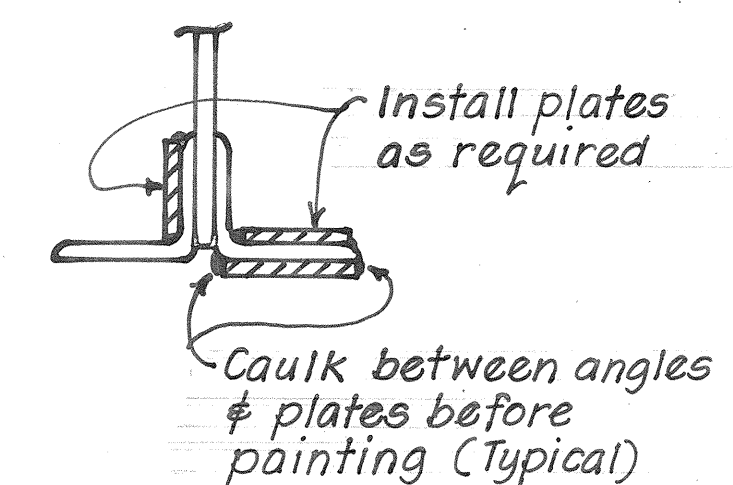
PART ELEVATION



DETAIL A



SECTION A-A



SECTION A-A
No Scale

LACING DETAIL (TOP LATERAL SYSTEM)
No Scale

C.C.O. NO. 1

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION	
<u>TYPICAL REPAIR DETAILS</u>	
<u>KAMEHAMEHA HIGHWAY</u>	
<u>REPAIR & PAINT</u>	
<u>KARSTEN THOT BRIDGE</u>	
<u>Proj. N° 80A-01-88M</u>	
<u>Scale: As Noted</u>	<u>Date: Jan. 1988</u>
SHEET NO. 4 OF 4 SHEETS	