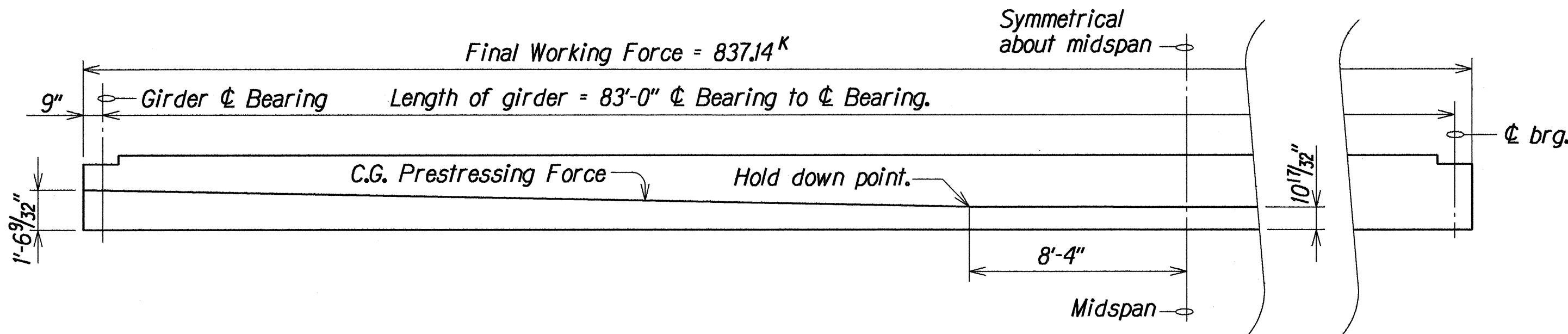


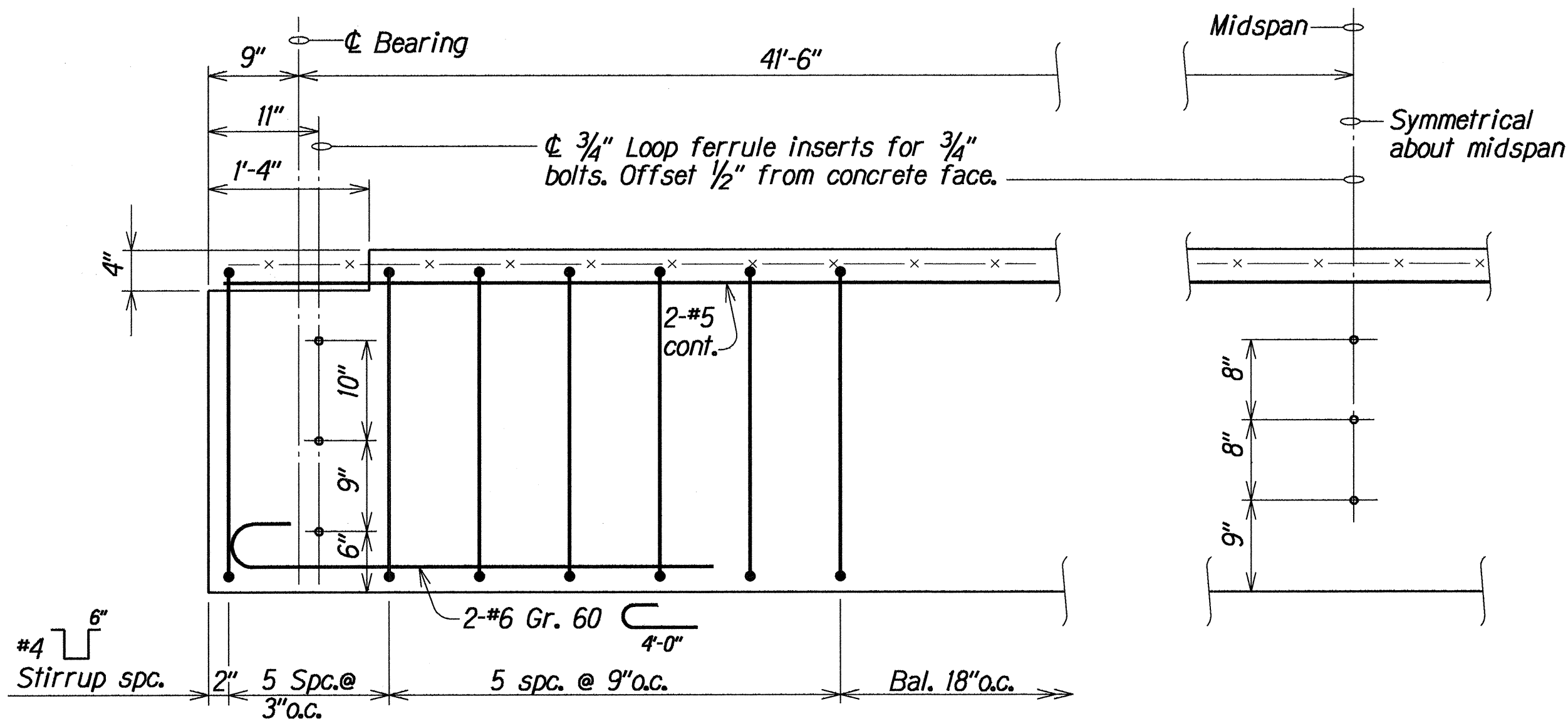
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19H-02-93	1994	9	10

- PRESTRESSED GIRDER NOTES:
- All strand patterns shall be approved by the Engineer.
 - Forms must be removed and the girder inspected before strands are cut.
 - Prestressed concrete strength:
 - $f'c = 6,000\text{psi}$ @ 28 days
 - $f'ci = 4,000\text{psi}$
 - Prestressed strands:
 - $\frac{1}{2}" \phi$ 270 ksi, 7 wire stressed-relieved strands (ASTM A 416)
Total losses other than friction = 45,000 psi
 - Allowable stresses in strands shall be in accordance with Design Specifications (See General Structural Notes)
 - Non-prestressed reinforcing steel shall be grade 40 unless noted otherwise.
 - Loop ferrule inserts shall be incidental to precast girder.
 - See Pipe Railing Detail, Sht. No. S6, for railing post and scupper locations.



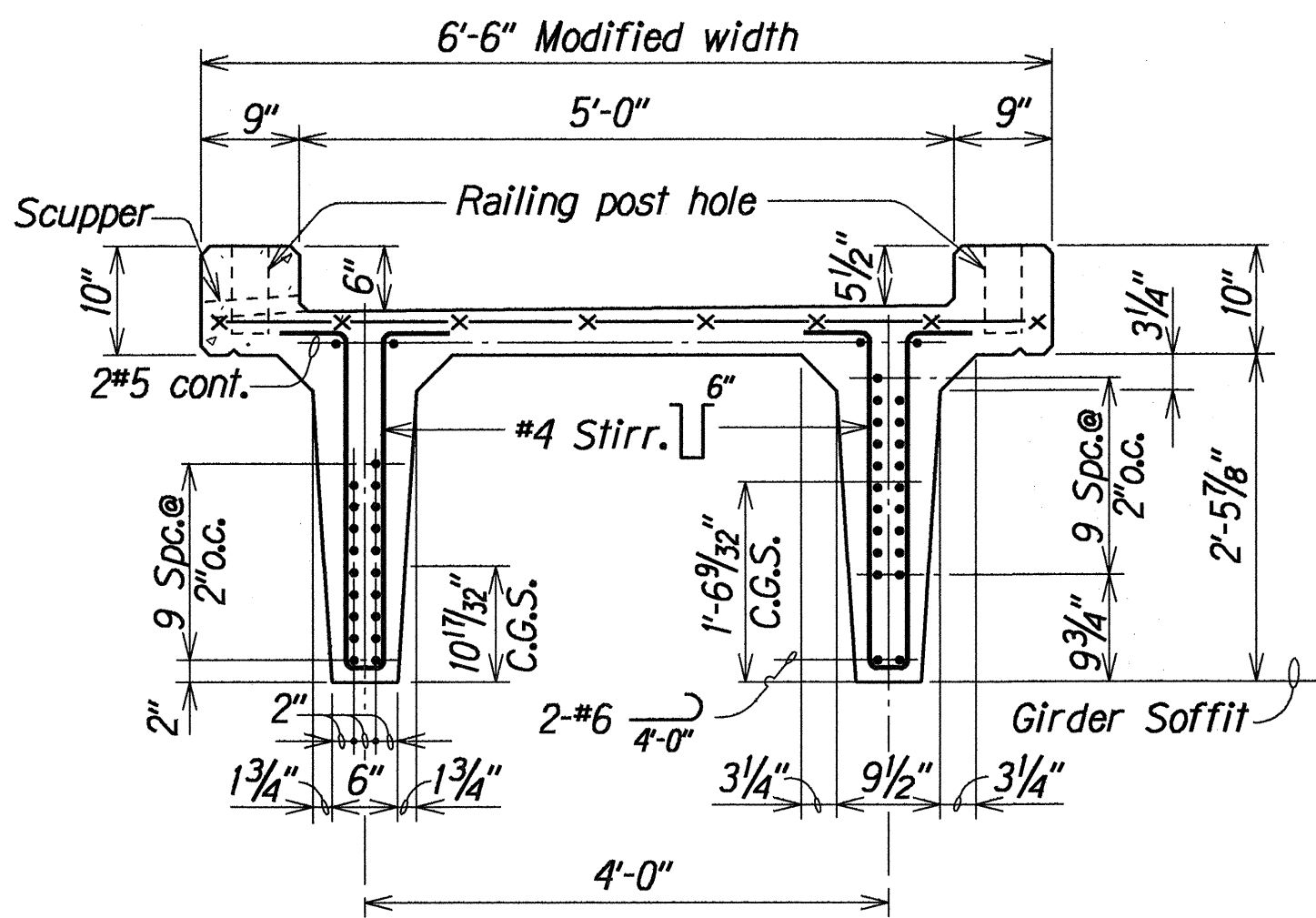
DOUBLE TEE GIRDER PRESTRESSING DETAIL

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



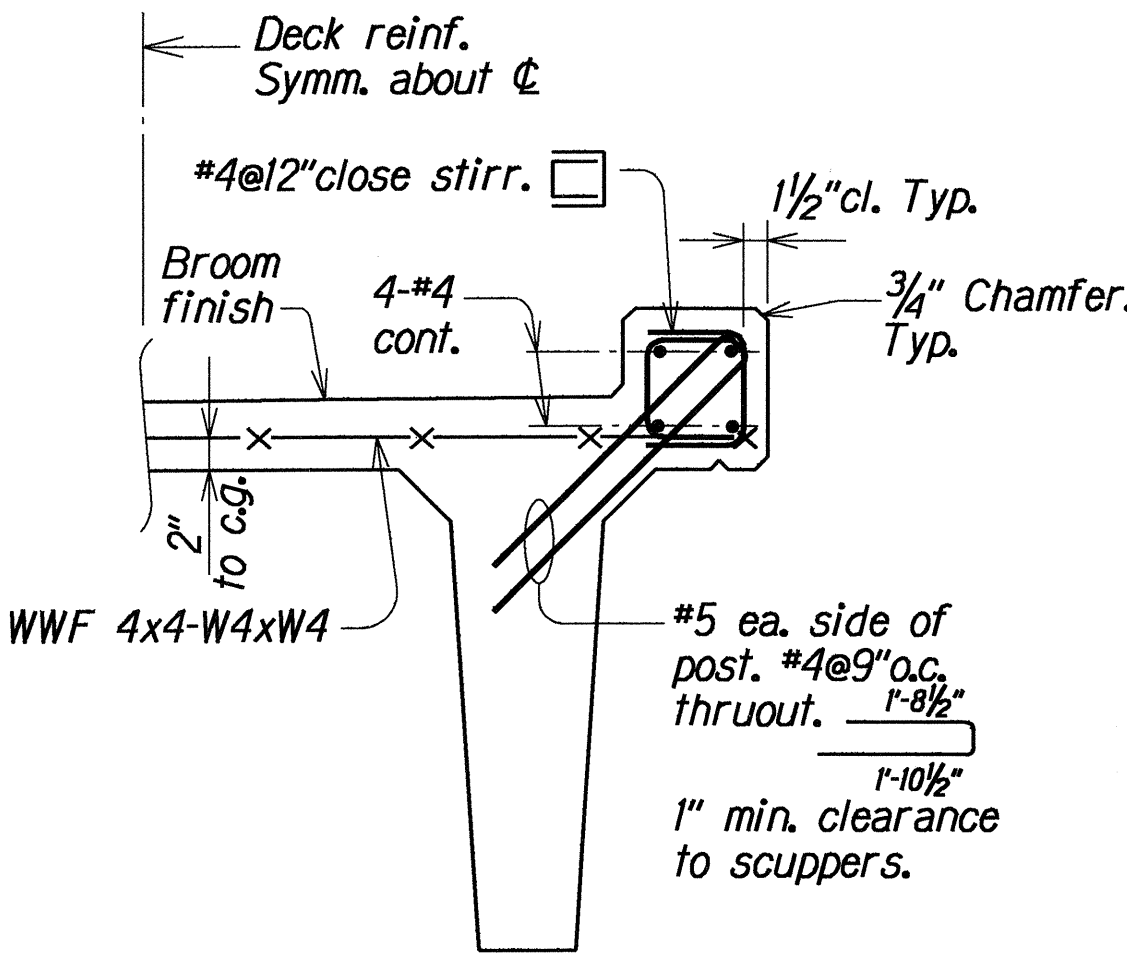
GIRDER DETAIL

Scale: $1"=1'-0"$



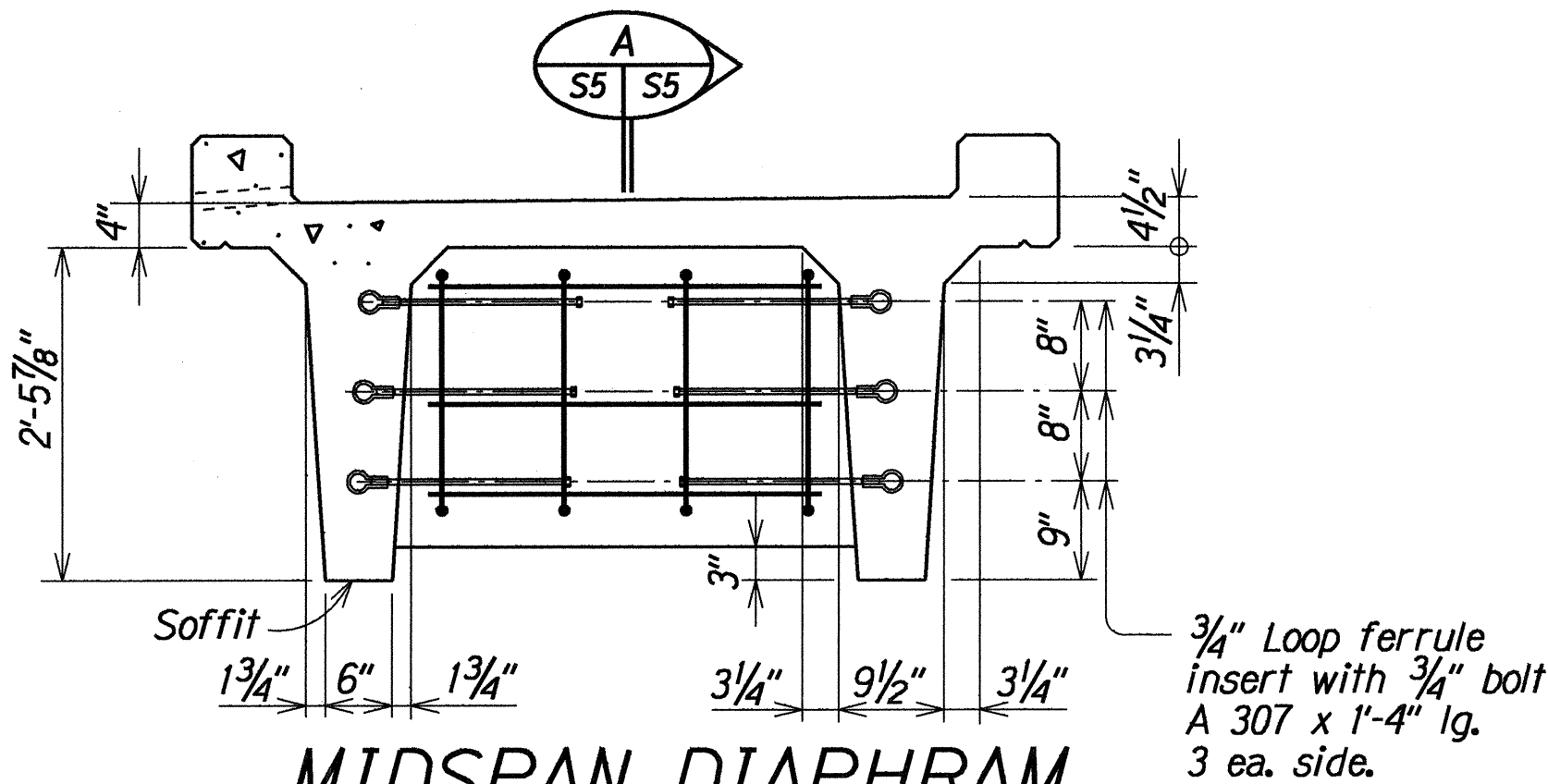
@ MIDSPAN @ ENDS GIRDER SECTION

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



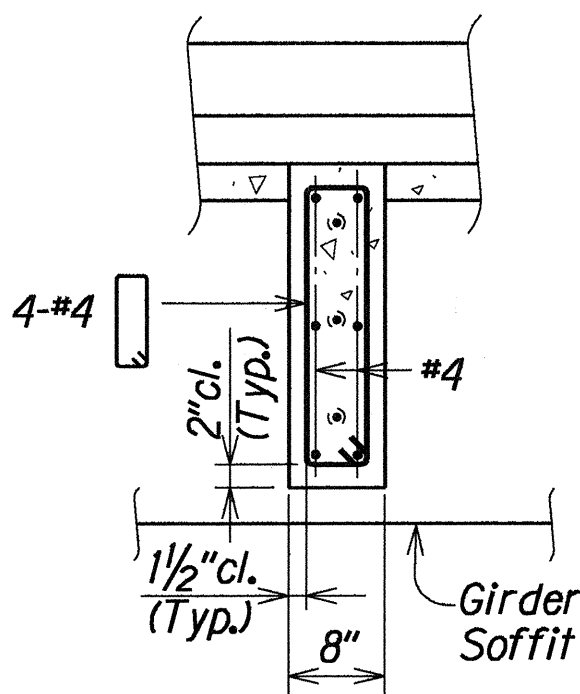
DECK DETAIL

Scale: $1"=1'-0"$



MIDSPAN DIAPHRAM

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



SECTION

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

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
PLAN	CHO. LHM	MAY 1994
NOTE BOOK	DRAWN BY	SA
WALKOUT 5.0gpi	CHECKED BY	SA
		MAY 1994

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

HAWAII BELT ROAD PEDESTRIAN

BRIDGE AT WAIKOLU STREAM

PRESTRESSED CONCRETE

GIRDER DETAILS

Project No. 19H-02-93

Scale: As Noted

Date: May, 1994

SHEET No. S5 OF 6 SHEETS