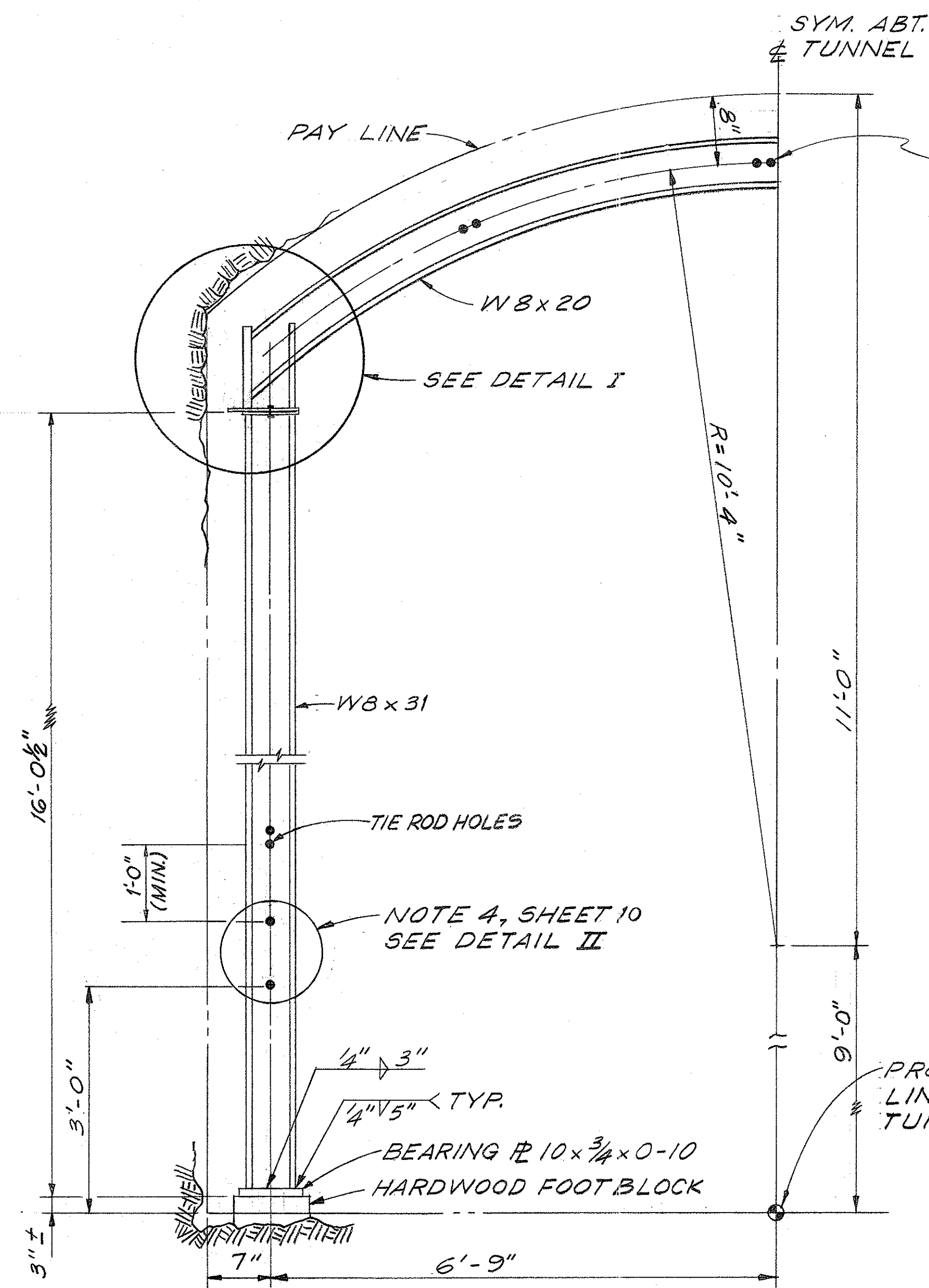
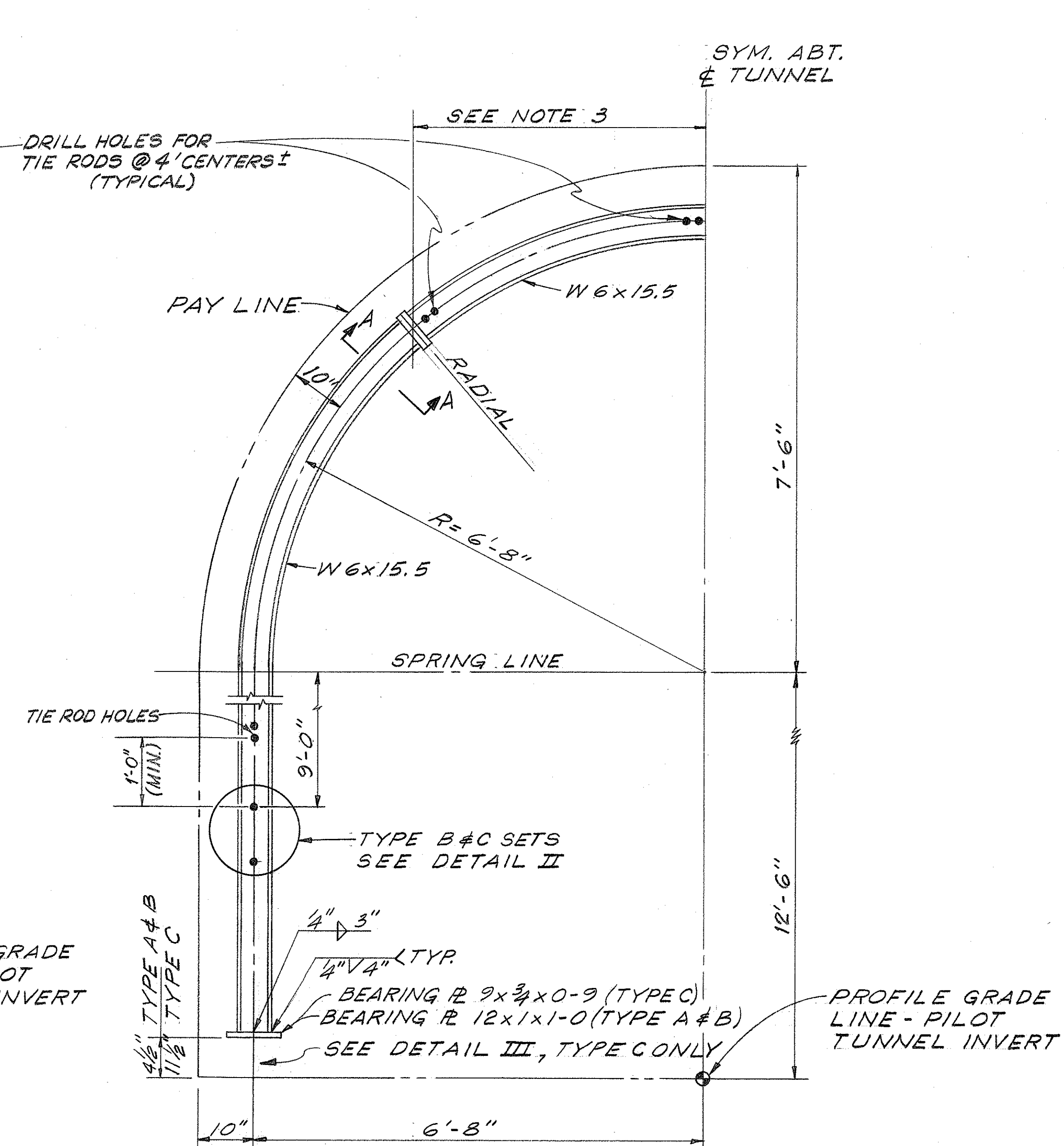


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-I(9)6	1975	12	17

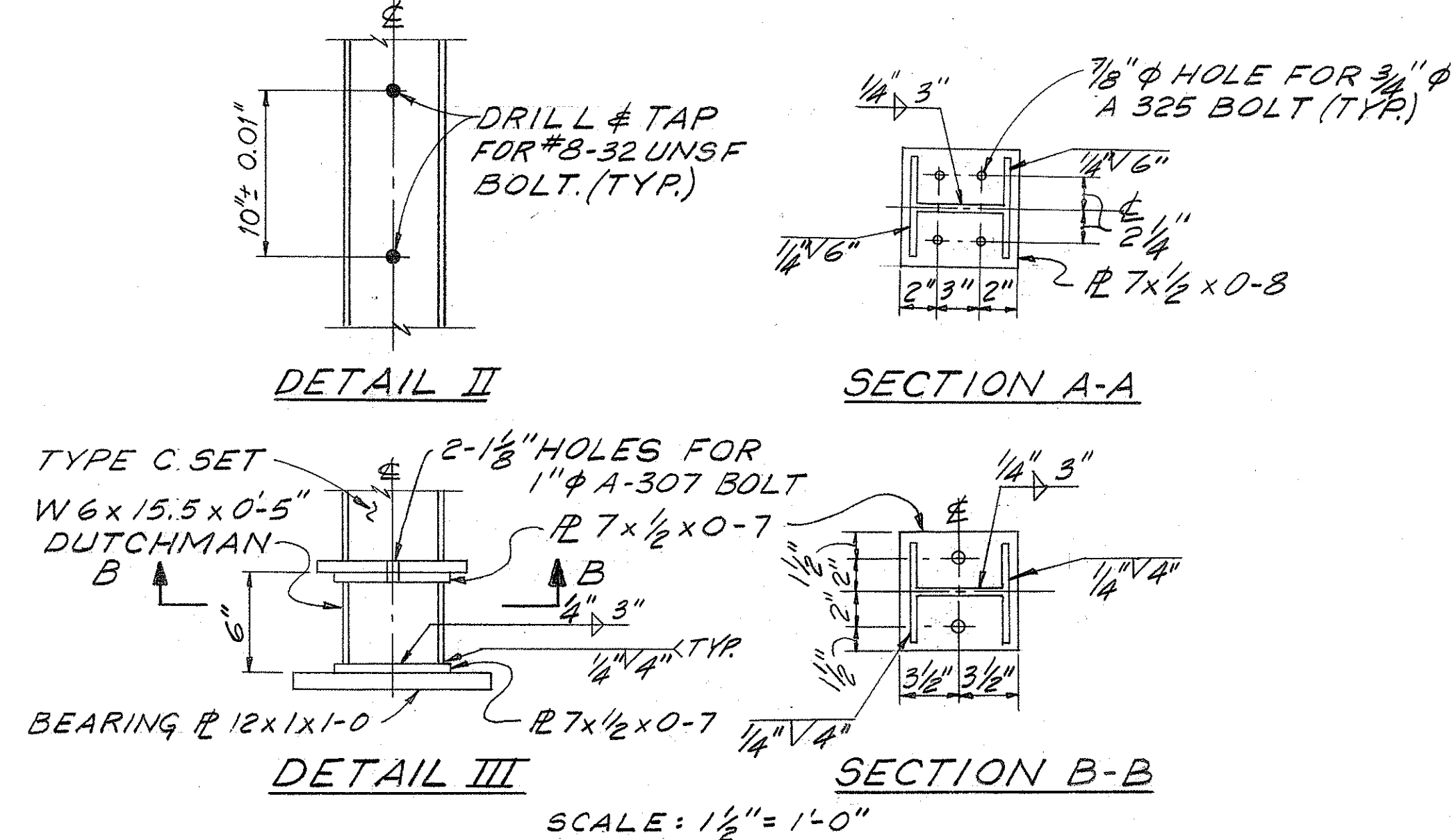
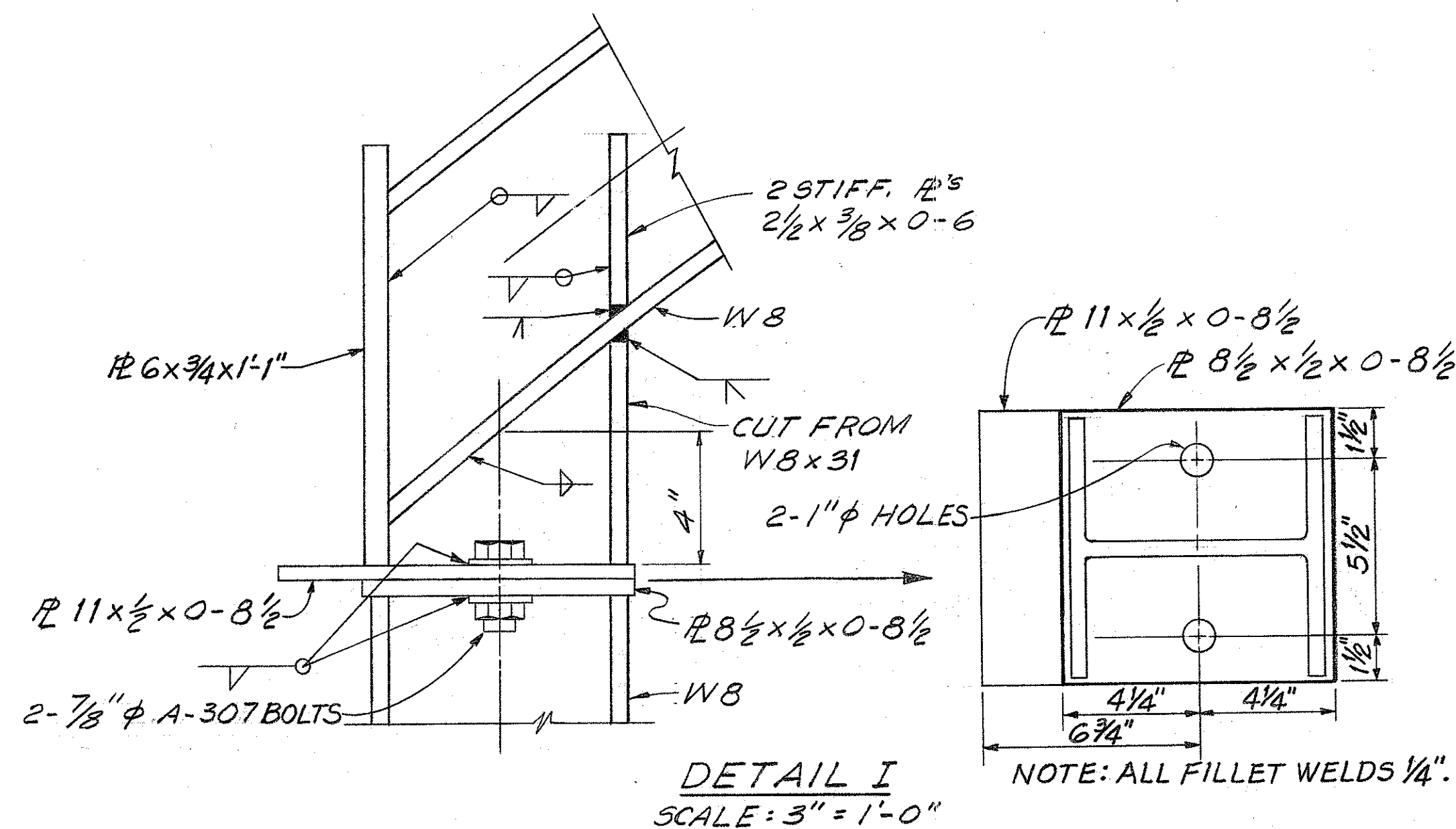


TYPICAL STEEL SET IN ROCK
SCALE: $\frac{3}{4}" = 1'-0"$



TYPICAL STEEL SET IN SOFT GROUND
SCALE: $\frac{3}{4}" = 1'-0"$

- NOTES:
1. ALSO SEE SHEET 13 FOR SET INSTRUMENTATION DETAILS.
 2. TIE RODS AND COLLAR BRACING NOT SHOWN. PROVIDE AS NECESSARY TO ASSURE STABILITY OF SETS.
 3. LOCATIONS AND DETAILS OF SET JOINTS TO BE AS REQUIRED FOR CONTRACTOR'S OPERATIONS BUT SHALL BE SUCH AS TO PERMIT ADVANCING A TOP DRIFT IN SOFT GROUND IF NECESSARY.



**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

STEEL SET DETAILS

TRANS KOOLAU PILOT TUNNEL

PROJECT N° I-H3-1(9)6
SCALE: AS NOTED **DATE:** JULY 10, 1975

SHEET No. OF SHEETS