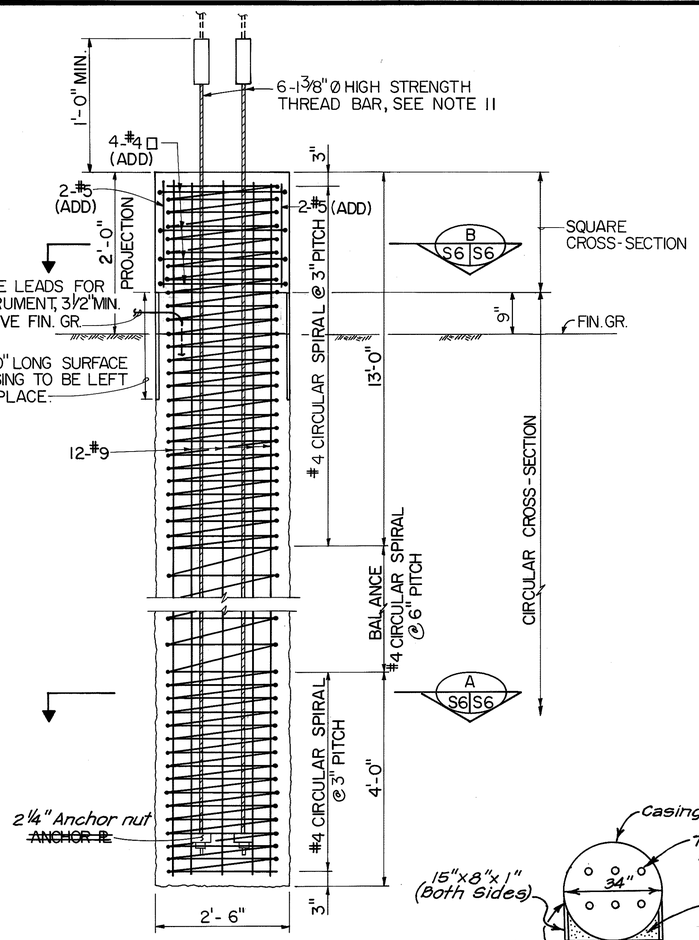
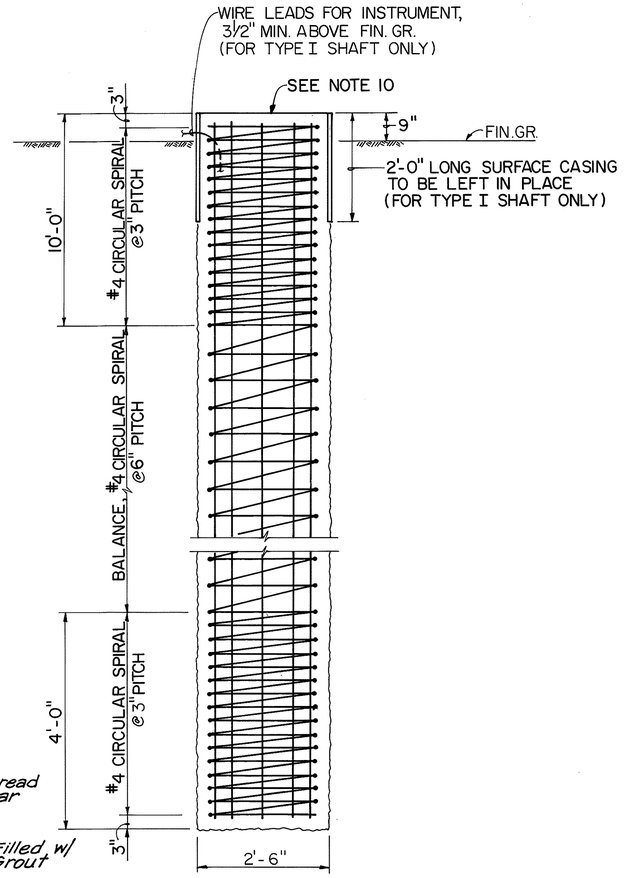
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(67)	1990	7	11



ELEVATION



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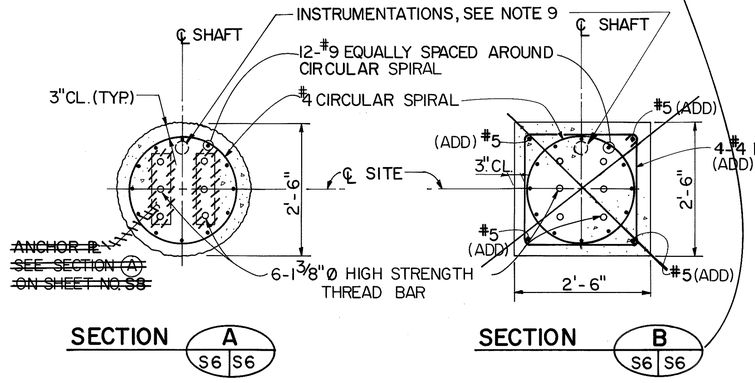
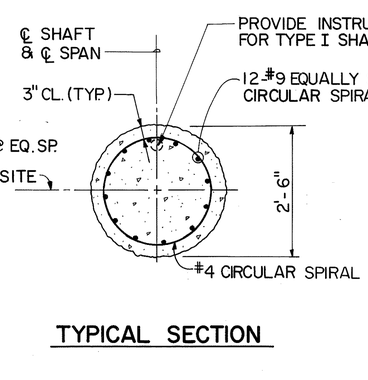


SECTION A S6 S6

SECTION B S6 S6



TYPICAL SECTION

DETAILS FOR TYPE II SHAFT
SCALE: 3/4"=1'-0"

DETAIL FOR TYPE I SHAFT AND METHOD TEST SHAFT
SCALE: 3/4"=1'-0"

DRILLED SHAFT NOTES:

1. PROVIDE SIZING HOOPS AS A GUIDE FOR THE FABRICATION OF THE REBAR CAGE.
2. PROVIDE CENTERING DEVICES AS A GUIDE FOR THE PLACEMENT OF THE REBAR CAGE IN THE DRILLED HOLE.
3. PROVIDE TEMPORARY STIFFENERS TO STRENGTHEN THE REBAR CAGE DURING LIFTING. STIFFENERS ARE TO BE REMOVED PRIOR TO POURING OF CONCRETE.
4. SPLICES IN THE LONGITUDINAL STEEL, IF REQUIRED, SHOULD BE STAGGERED SO AS NOT TO OCCUR AT THE SAME HORIZONTAL PLANE ALONG THE REBAR CAGE.
5. #4 CIRCULAR SPIRAL IN REBAR CAGE SHALL BE USED. NO CIRCULAR TIES ARE ALLOWED TO USE IN DRILLED SHAFTS EXCEPT OTHERWISE AS NOTED.
6. THE REBAR CAGE SHALL BE FABRICATED AND STORED SO AS TO AVOID DISTORTION DURING TRANPORTATION TO THE JOB SITE AND TO AVOID CONTAMINATION WITH MUD OR OTHER DELETERIOUS MATERIAL.
7. FOR SLUMP OF CONCRETE SEE SPECIAL PROVISIONS.
8. PLACEMENT OF THE CONCRETE SHALL BE MADE BY USE OF A TREMIE OR PUMP LINE.
9. FOR INSTRUMENTATIONS IN SHAFT, SEE SHEET NOS. S4 AND S5.
10. TOP CONCRETE OF TYPE I SHAFT SHALL BE FINISHED TO A SMOOTH AND TRUE LEVEL SURFACE BY TROWELING WHILE CONCRETE REMAINS WORKABLE OR GRINDING AFTER CONCRETE IS HARDENED.
11. IN THE INSTALLATION OF HIGH STRENGTH THREAD BARS, THE CONTRACTOR SHALL PROVIDE RIGID TEMPLATES TO MAINTAIN THE PROPER LOCATIONS AND SHALL PROTECT SUCH BARS AT ALL TIMES DURING CONSTRUCTION.

ORIGINAL PLAN	SURVEY PLOTTED BY R. MALALUAN	DATE 3/6/90
	DRAWN BY	
NOTE BOOK	TRACED BY	3/6/90
	DESIGNED BY K. WADA	
	QUANTITIES BY	3/13/90
No.	CHECKED BY H.P. CHEN	

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRILLED SHAFT DETAILS
DRILLED SHAFT TEST PROGRAM

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(67)

SCALE: DATE: MAY, 1990

SHEET No. S6 OF 10 SHEETS

HSU FANG CHEN
REGISTERED PROFESSIONAL ENGINEER
No. 3845-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Hsu-pang Chen