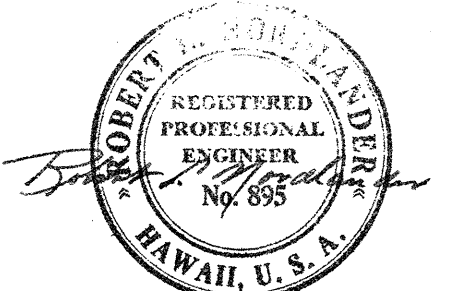


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	US-070(5)	1960	50	79
		UNIT 3	1960	72	115

Cable Notes

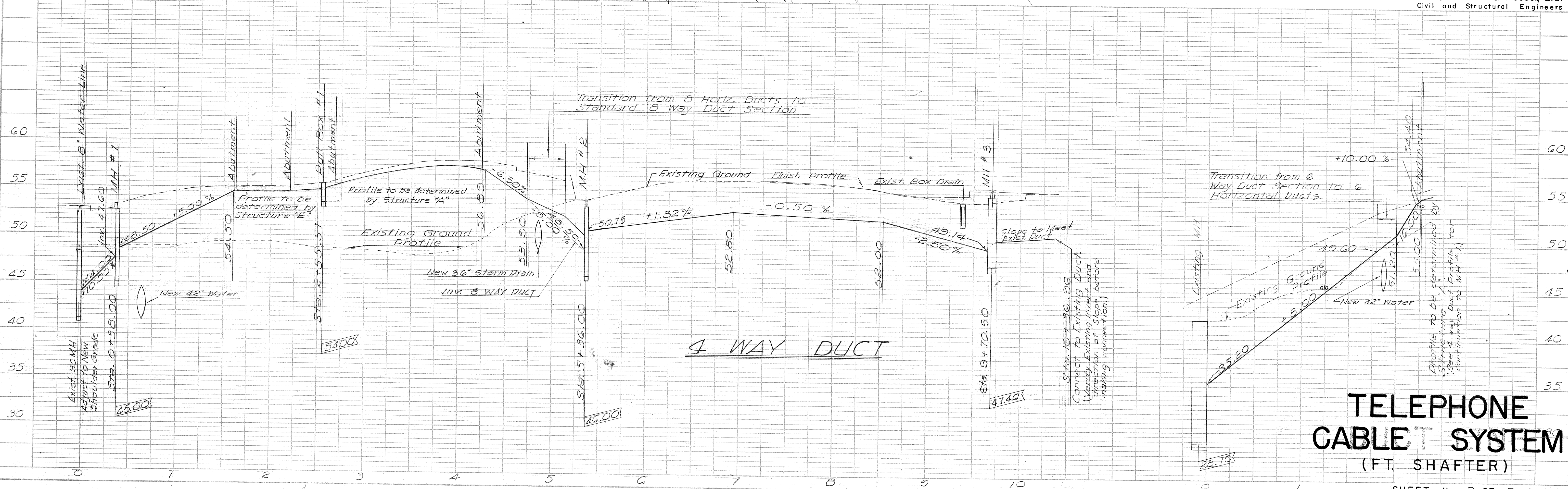
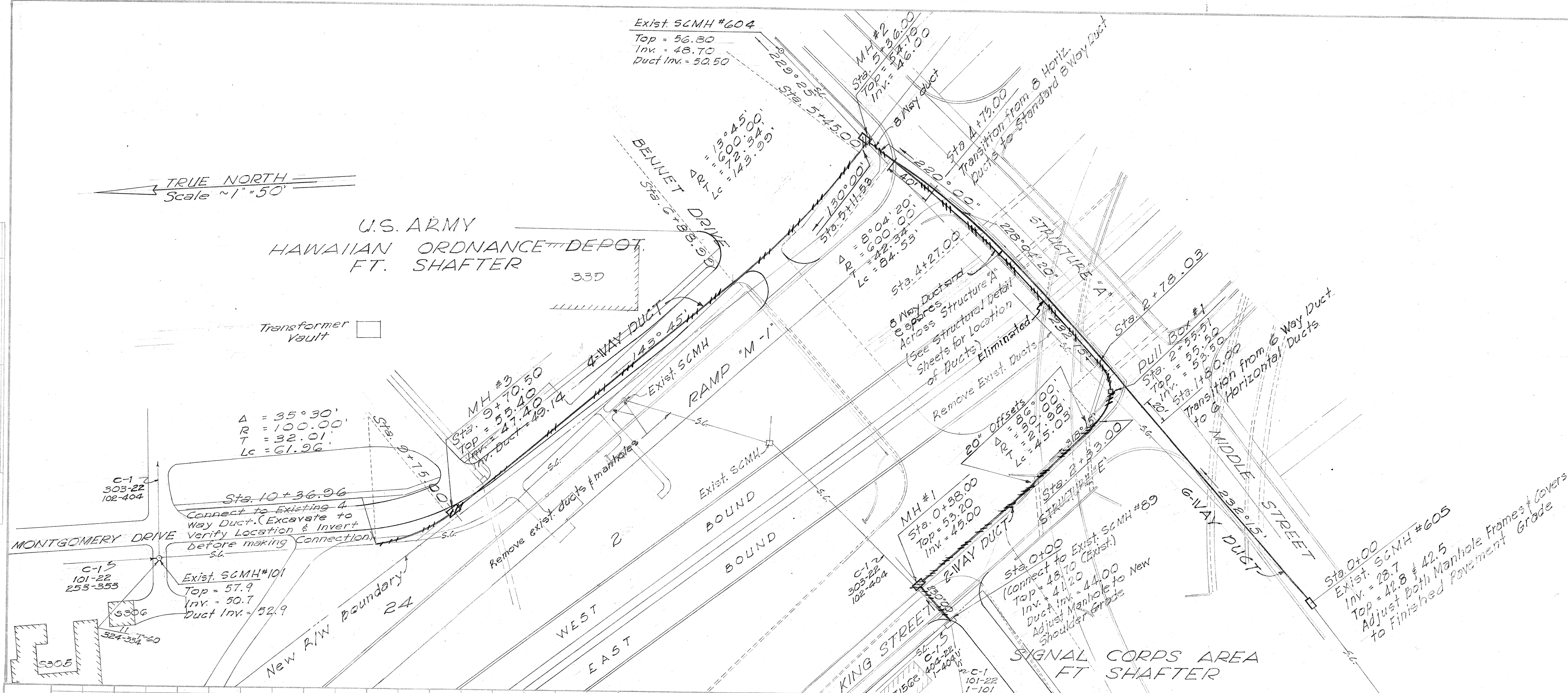
- Contractor shall furnish and install temporary cables as necessary to ensure continuous operation of existing cables between SCM#89 and #101 and between proposed MH#2 and SCM#605
- All cables shall conform with specification MIL-C-13017(SigC) for 12 gauge and MIL-C-13021(SigC) for 24 gauge cable and MIL-C-1315A(SigC) for 28 gauge (available for reference at Dist. Engr. Ft. Armstrong) except that the following minimum additional protection over the lead sheath shall be included for the 28 gauge cable:
 - A layer of paper tape.
 - A layer of impregnated jute filled with asphalt.
 - Two layers of flat galvanized steel tape, minimum thickness .030 inches, served in opposite directions.
 - A layer of impregnated jute filled with asphalt and finished with mica or whitening.
- Contractor shall furnish and install 303-24 cable in new duct line from existing SCM#89 to existing SCM#101 for C-1, 102-404.
- Contractor shall furnish and install cables in new duct line from MH#2 to existing SCM#605 as follows:
 - 303-19 for NC-1022, 1-101 plus NC-1023, 1-101 plus 101 pairs idle
 - 202-19 for C-265, 1-202
 - 202-19 for C-570, 1-51 plus C-577, 1-50 plus 101 pairs idle
 - 202-19 for C-292, 1-202
- Transfers in SCM#605 must take into account existing load pots as follows, to be continued in service:
 - 200 pair for NC-1022, 1-80 plus NC-1023, 1-80 plus 40 pairs idle.
 - 160 pair for C-265, 1-140 plus 20 pairs idle.
 - 20 MF-2 units for C-265, 1-160 plus 10 units (20 coils) idle.
 - 160 pair for C-570, 1-40 plus C-577, 1-40 plus 80 pairs idle
 - 240 pairs for C-292, 1-160 plus 80 pairs idle.



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PLAN	DATE	BY	DATE
SURVEYED			
NOTED			
PLANNED			
DESIGNED			
CHECKED			
APPROVED			

PROFILE	DATE	BY	DATE
SURVEYED			
NOTED			
PLANNED			
DESIGNED			
CHECKED			
APPROVED			

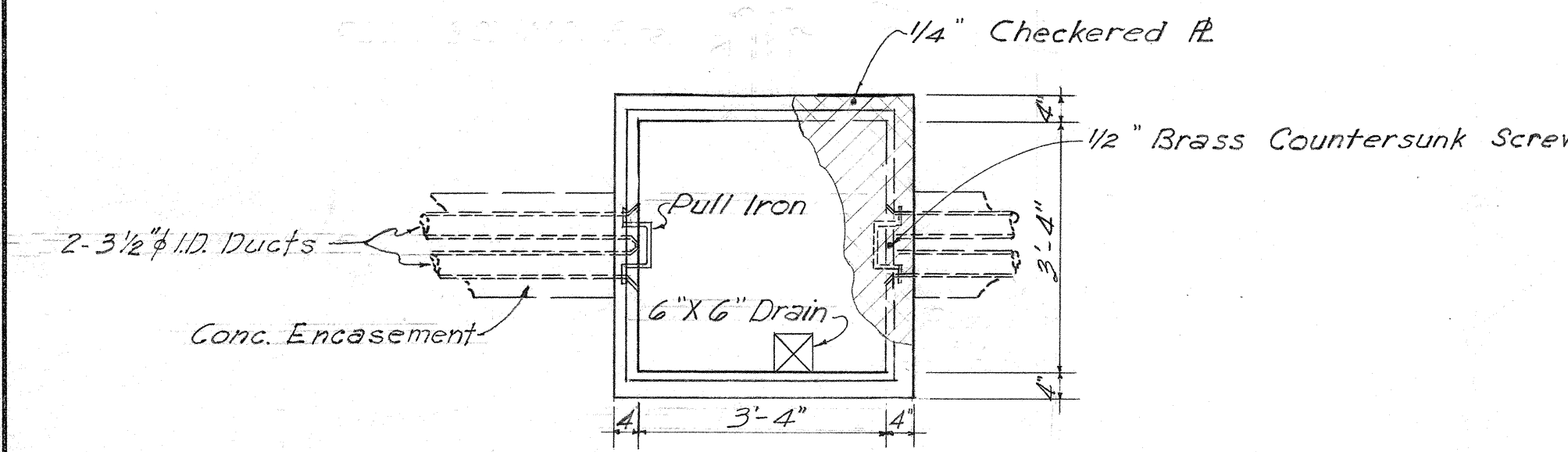


TELEPHONE
CABLE SYSTEM
(FT. SHAFTER)

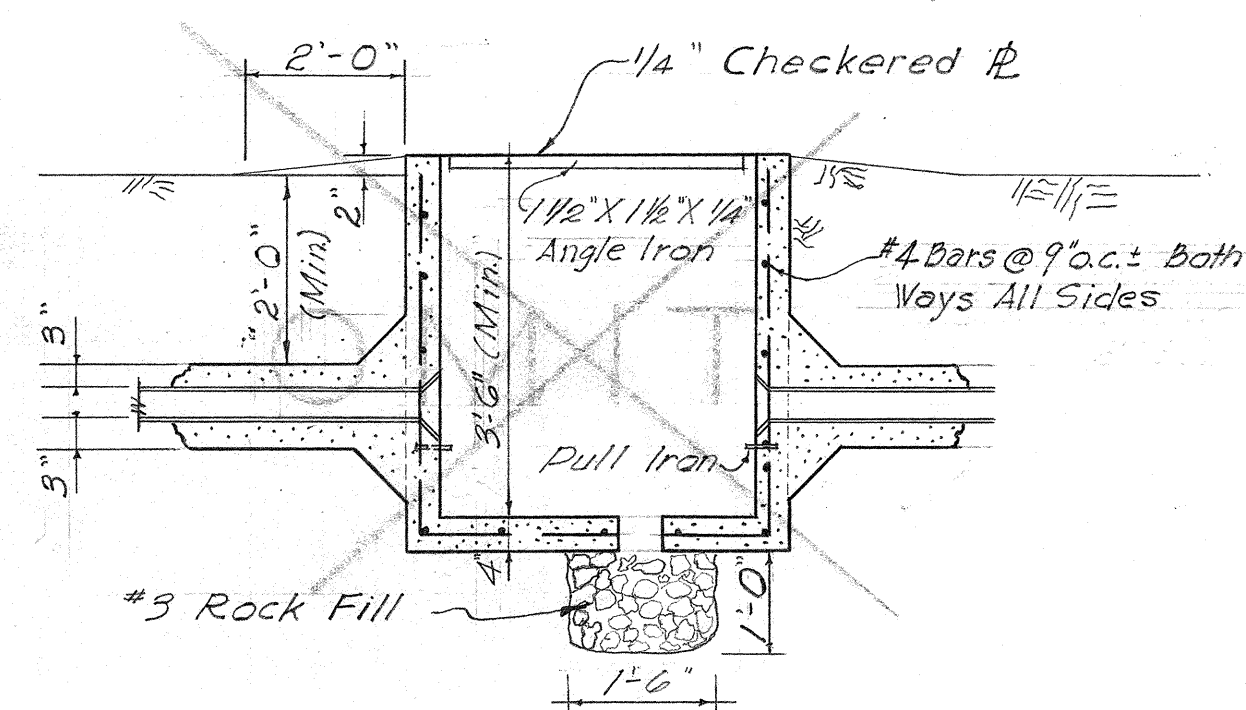
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	US-5-0720(3) UNIT 3	1960	51	79
		BU-072-1(2) UNIT 4	1960	74	118

SIGNAL CORPS PULL BOX DETAILS

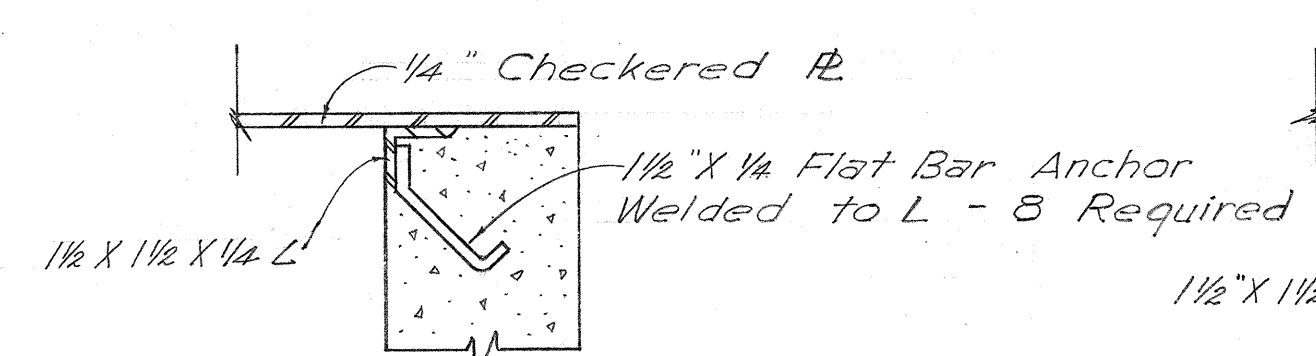
SIGNAL CORPS MANHOLE DETAILS



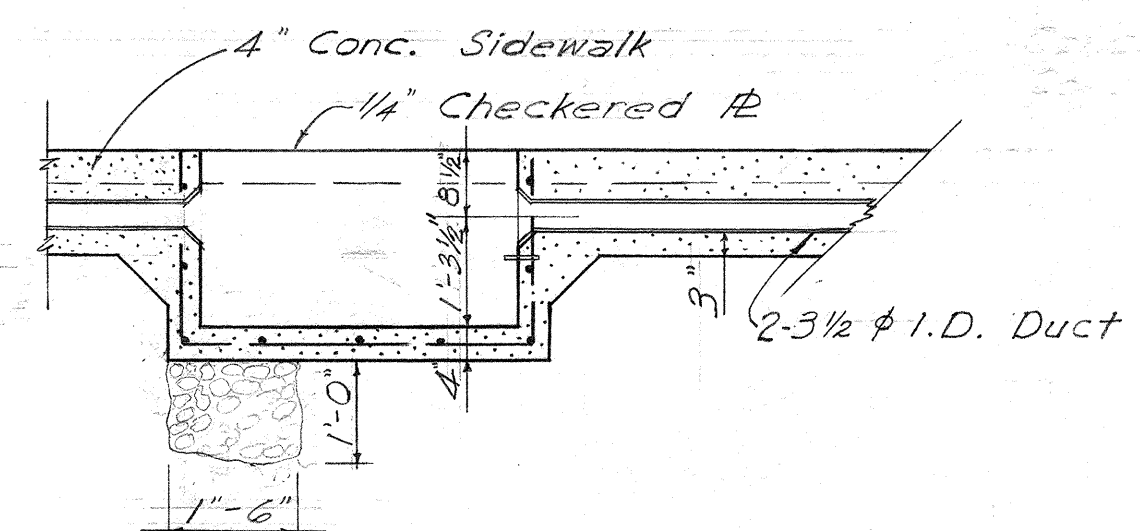
PLAN
Scale - 1/2" = 1'-0"



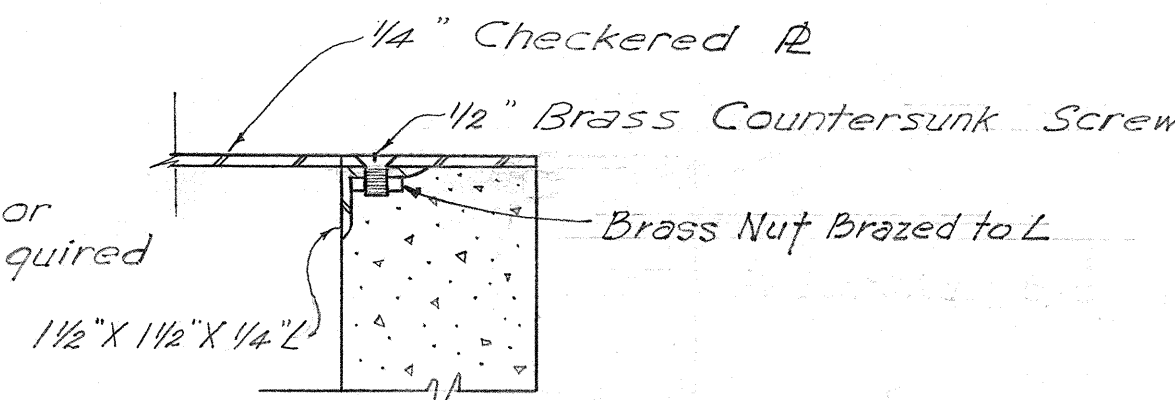
SECTION
PULL BOX NO. 2
Scale - 1/2" = 1'-0"



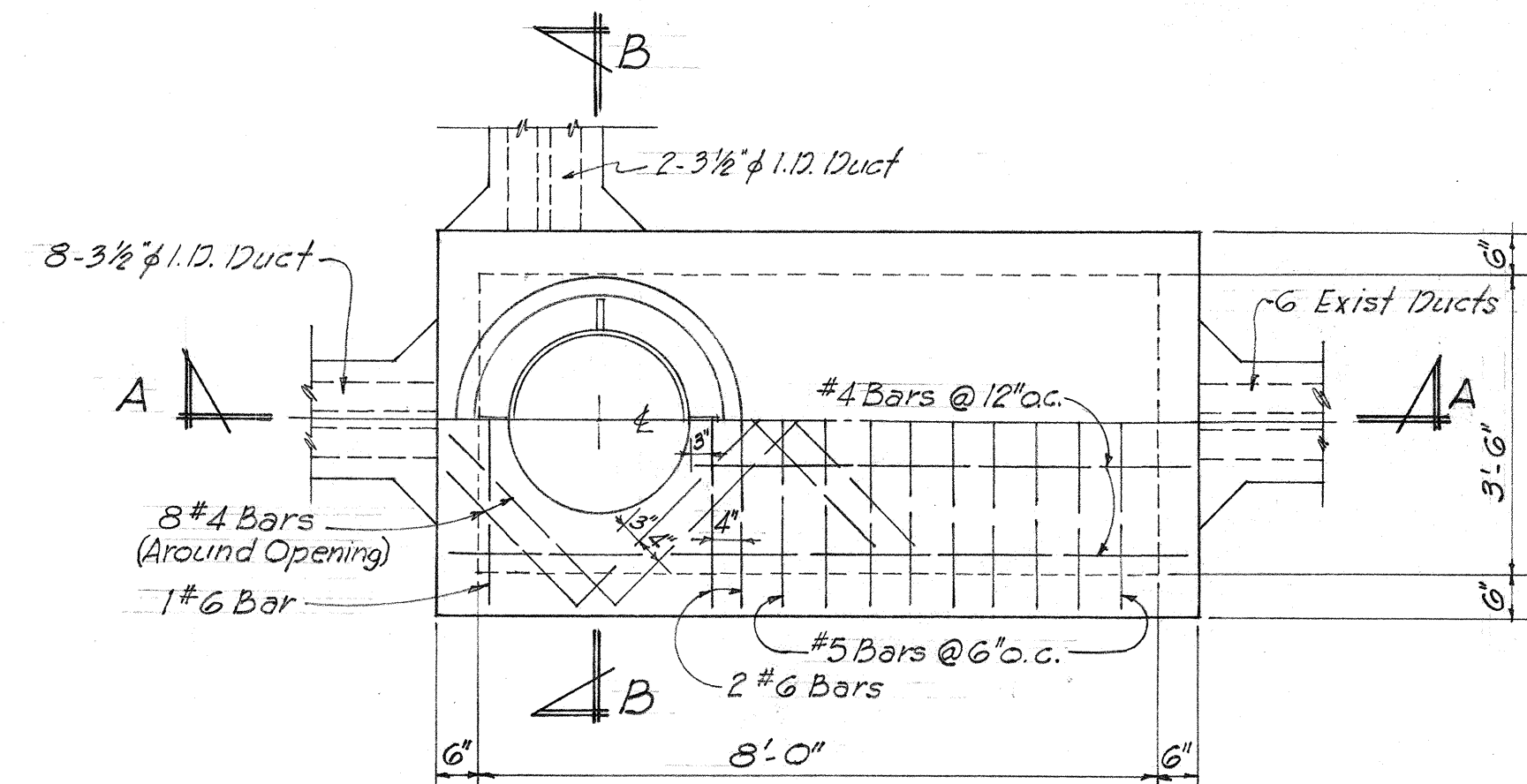
FRAME ANCHOR DETAIL
Scale - 3" = 1'-0"



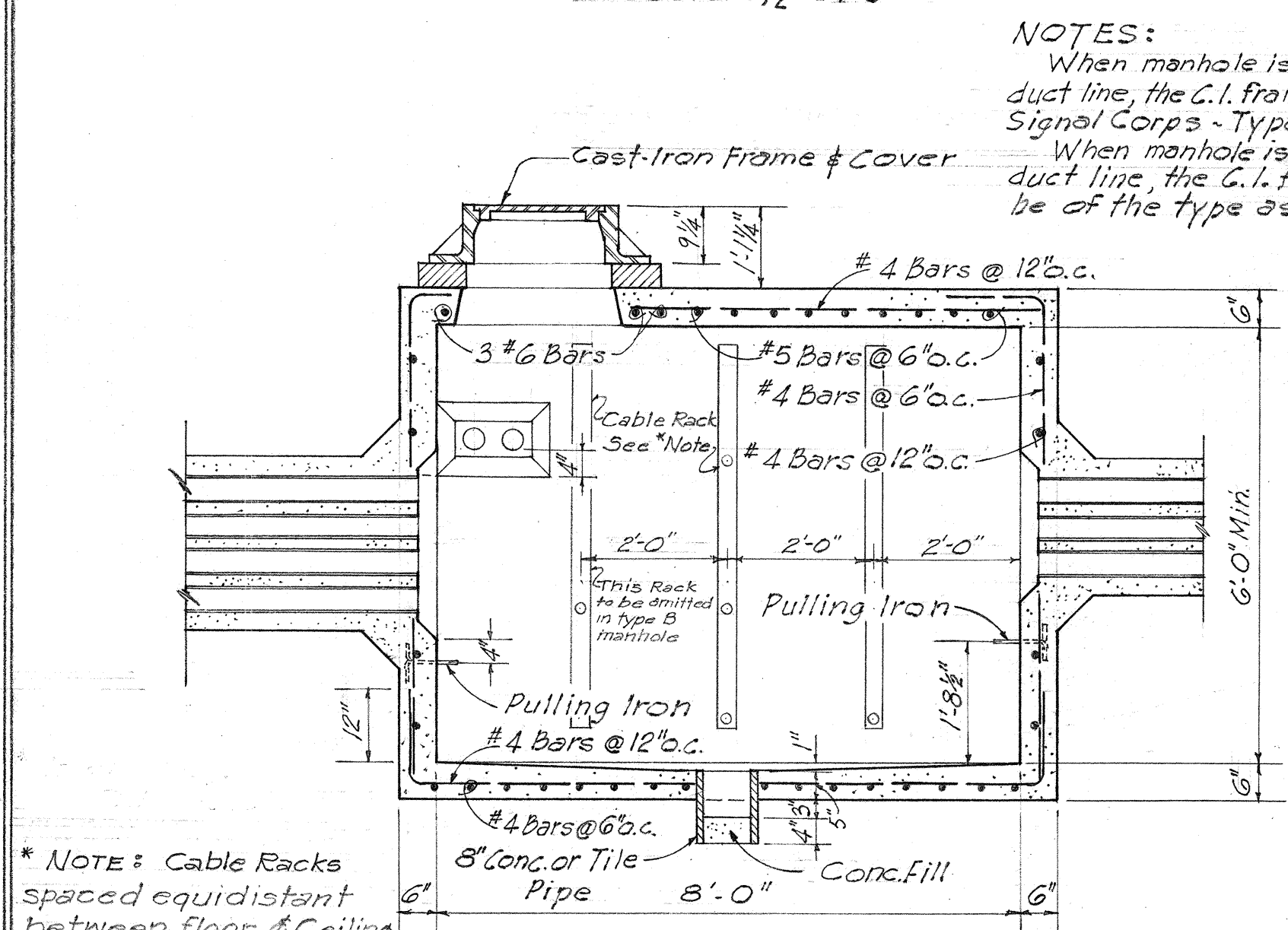
SECTION
PULL BOX NO. 1
Scale - 1/2" = 1'-0"



COVER ANCHOR DETAIL
Scale - 3" = 1'-0"

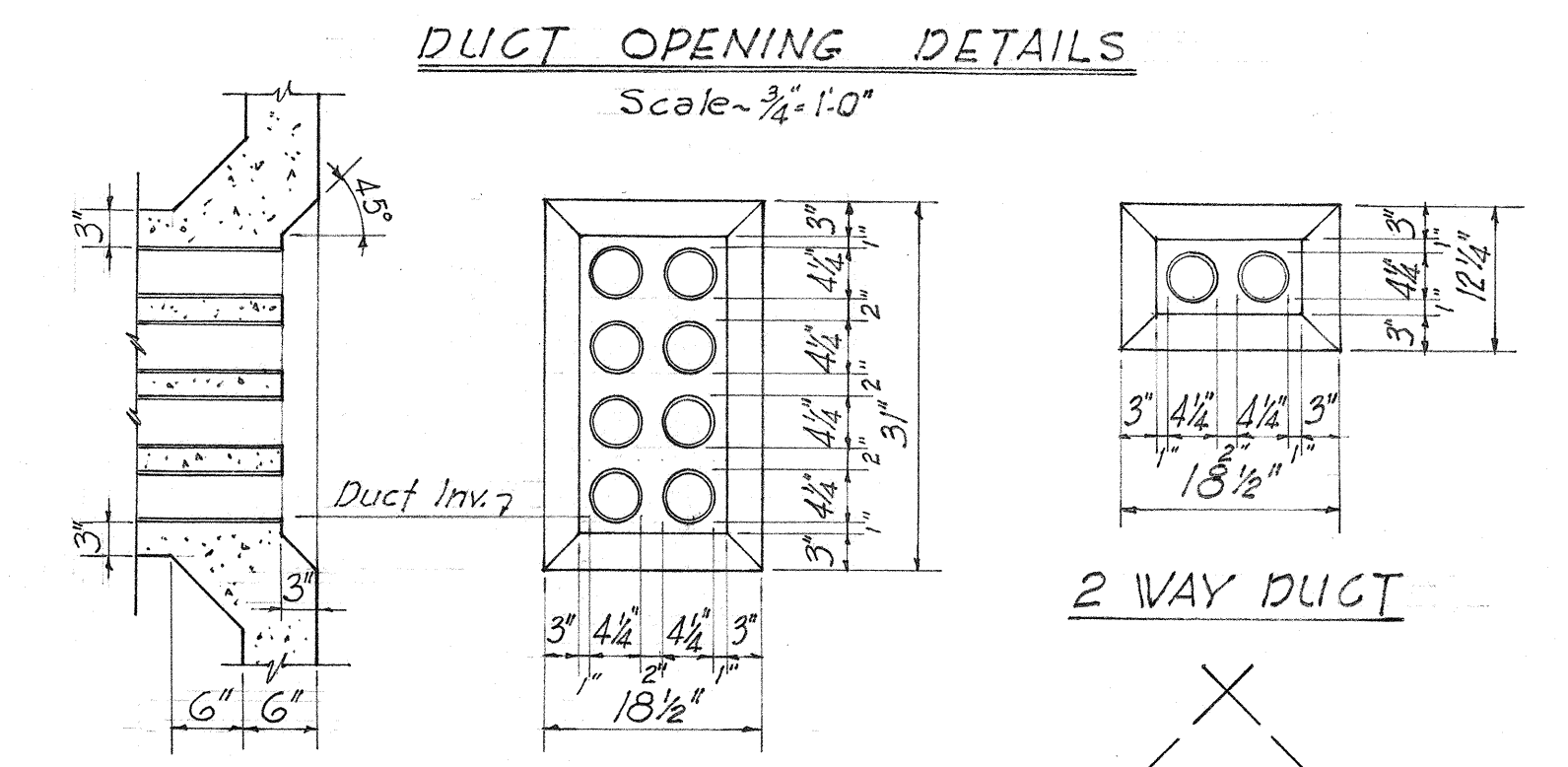


PLAN &
TOP SLAB REIN. DETAIL
Scale - 1/2" = 1'-0"



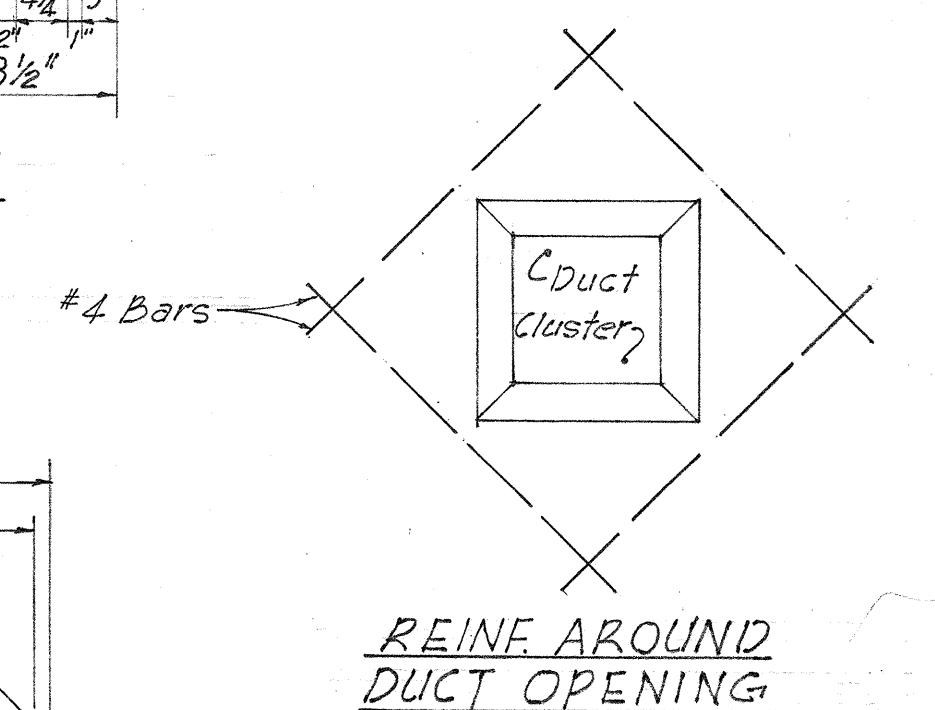
SECTION-A-A
Scale - 1/2" = 1'-0"

* NOTE: Cable Racks spaced equidistant between floor & ceiling.

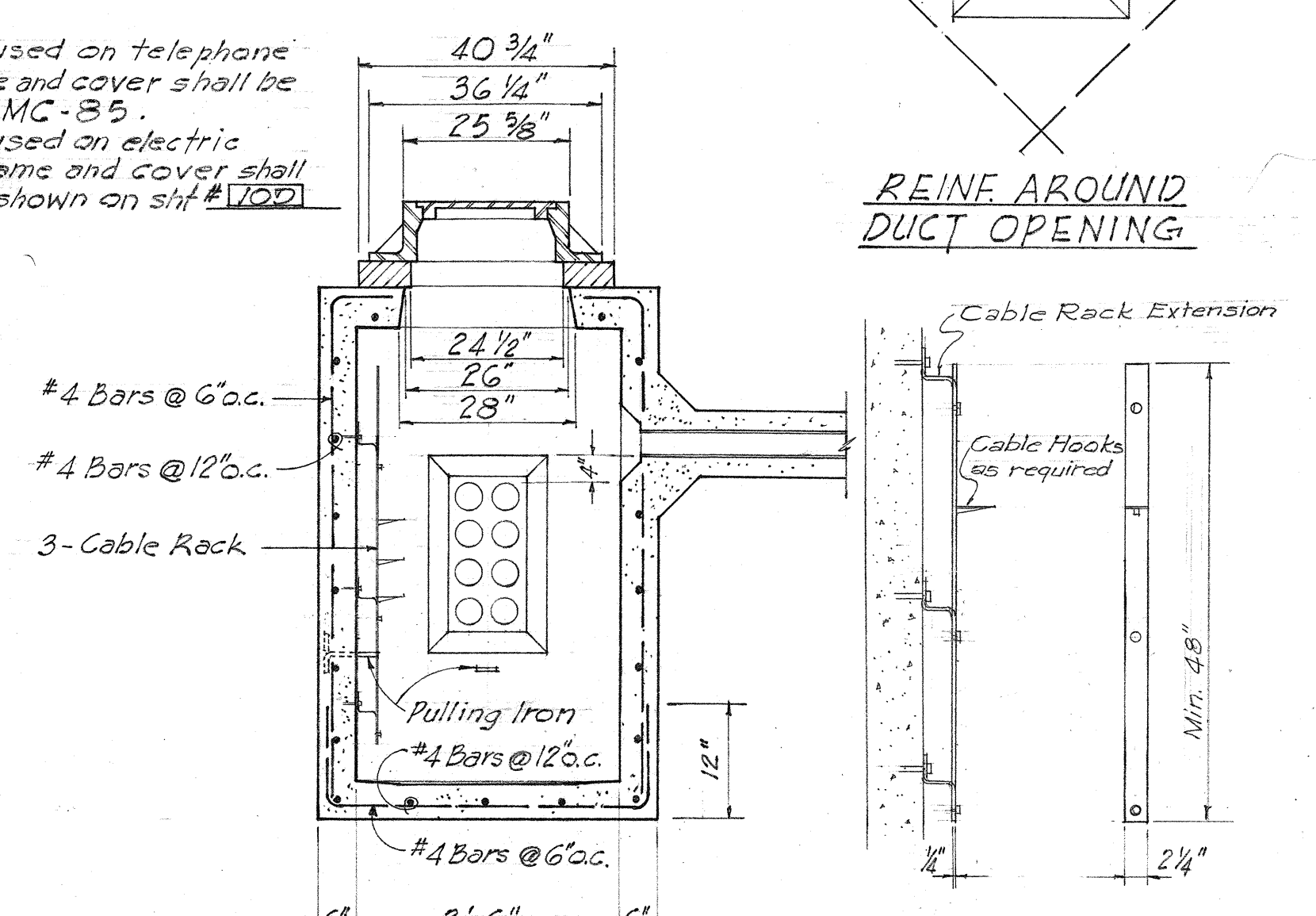


8 WAY DUCT

2 WAY DUCT



REIN. AROUND
DUCT OPENING



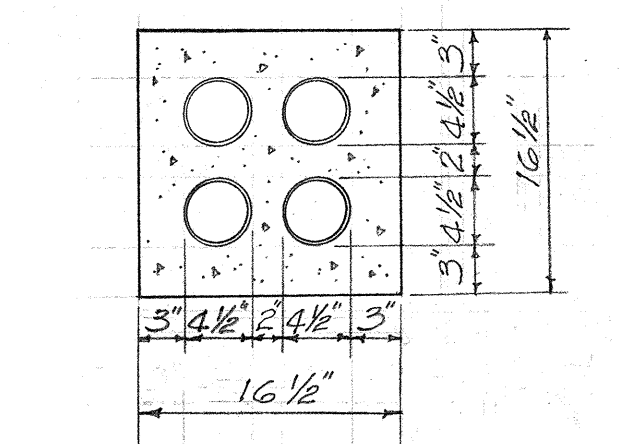
SECTION-B-B
Scale - 1/2" = 1'-0"

NOTE: Cable rack to be fastened by means of 4 x 1/2 inch expansion bolt.

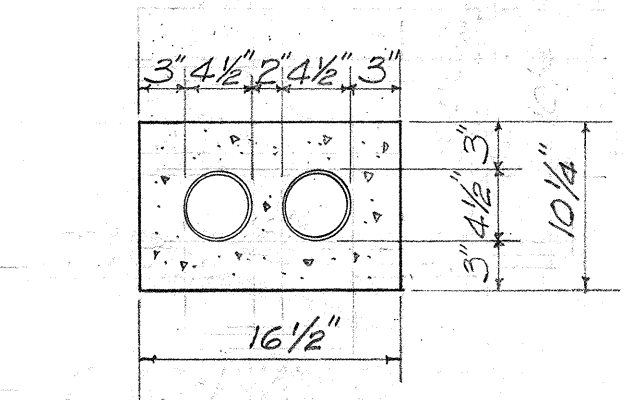
CABLE RACK DETAILS
Scale - 3/4" = 1'-0"

TYPICAL DUCT SECTIONS

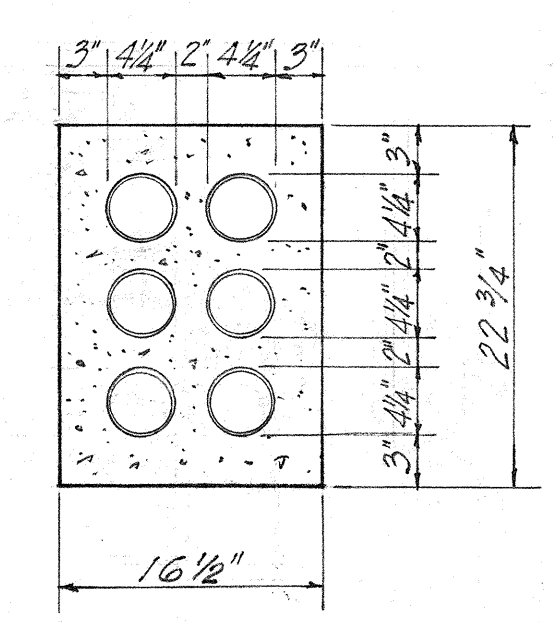
Scale - 1" = 1'-0"



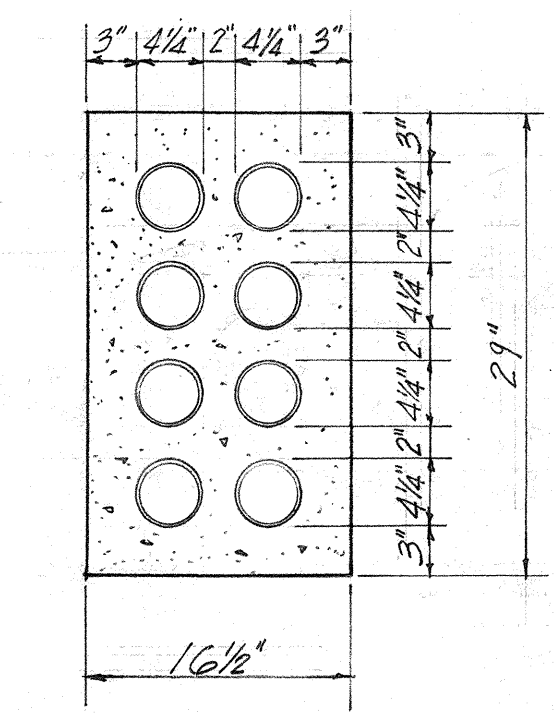
FOUR-WAY DUCT



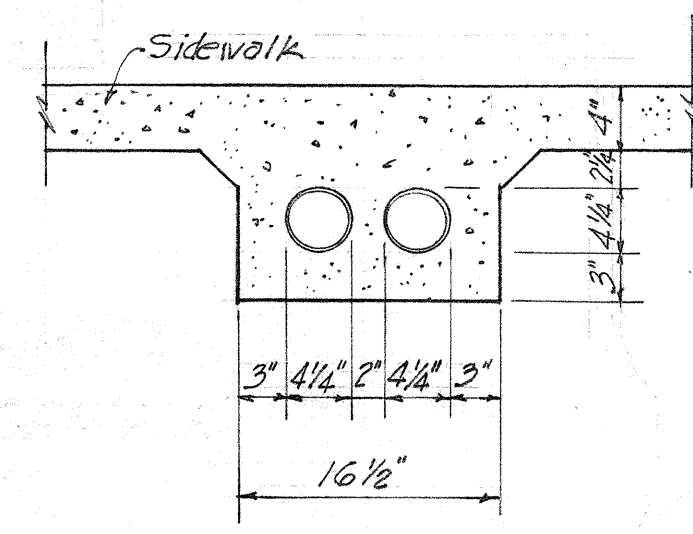
TWO-WAY DUCT



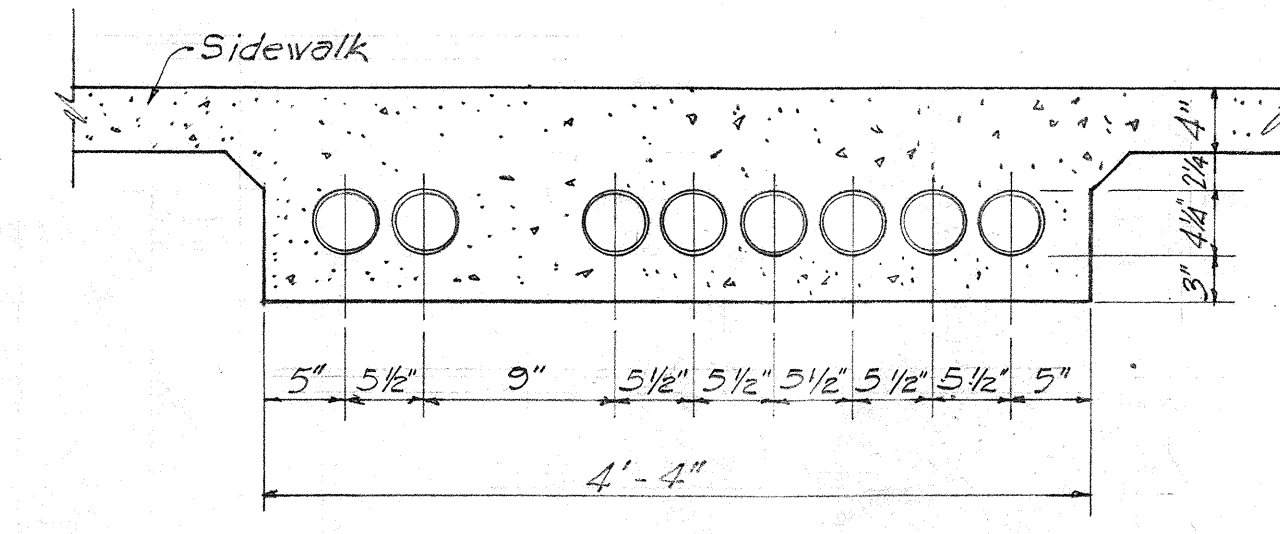
SIX-WAY DUCT



EIGHT-WAY DUCT

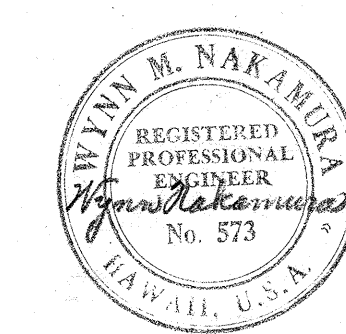


TWO-WAY DUCT
UNDER SIDEWALK



EIGHT-WAY DUCT
UNDER SIDEWALK

NOTE: Manholes to have three sets of cable racks on each side, each a minimum of 48" long, and mounted on offsets. Refer to Army Drawing 1100-1105, revision 16, July 1958.



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HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

TELEPHONE SYSTEM DETAILS
(FT. SHAFTER)

MOANALUA ROAD US-5-0720(3) UNIT 3
LUNALILO FREEWAY BU-072-1(2) UNIT 4

SURVEY PLOTTED BY	DATE
DESIGNED BY	12-16
DRAWN BY	12-16
QUANTITIES BY	
NOTE BOOK	
NO.	