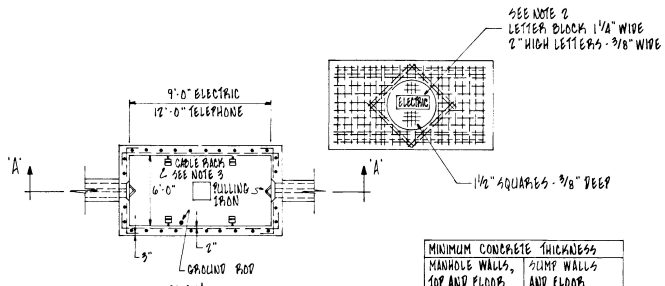
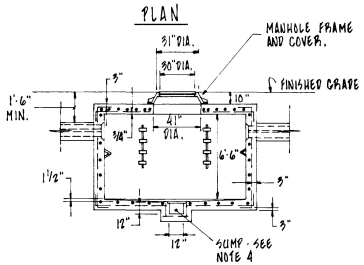


PLAN



SECTION 'A-A'

MINIMUM CONCRETE THICKNESS	
MANHOLE WALLS, TOP AND FLOOR	SUMP WALLS AND FLOOR
8 INCHES	4 INCHES
MINIMUM REINFORCING	

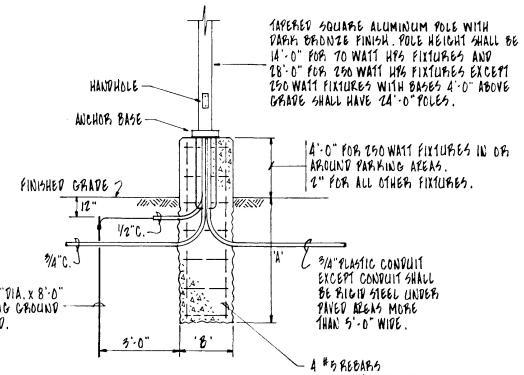
1. BARS SHALL BE A MINIMUM OF N° 4 ROUND DEFORMED.
2. WALLS AND FLOOR WILL HAVE BARS AT 12 INCHES MINIMUM ON CENTERS WITH A MINIMUM 12 INCH HOOK AT CORNERS AND INTERSECTIONS.
3. THE TOP WILL HAVE BARS INSTALLED AS SHOWN AT 4 INCHES ON CENTER MINIMUM LATERALLY AND LONGITUDINALLY AS APPROPRIATE, EXCEPT THAT AT OPENINGS ALSO PROVIDE AN ADDITIONAL BAR AT A TWO-INCH SPACING AND TWO DIAGONAL BARS EACH WAY AT 45° TO AND LOCATED ABOVE LATERAL OR LONGITUDINAL BARS.

NOTES:

1. TYPICAL DETAIL ONLY. CONTRACTOR SHALL MODIFY DUCT ENTRANCES AS REQUIRED FOR THE NUMBER AND LOCATIONS OF DUCTS PER ACTUAL FIELD CONDITIONS.
2. USE THE WORD 'SIGNAL' FOR TELEPHONE MANHOLES.
3. CABLE RACKS SHALL BE COMPLETE WITH PORCELAIN INSULATORS. FASTEN TO MANHOLE WALL BY MEANS OF 2 1/2" x 1/2" BOLTS AND EXPANSION SHIELDS.
4. SUMP SHALL BE COMPLETE WITH CAST METAL GRILLE-TYPE COVER AND FRAME.

MANHOLE DETAIL

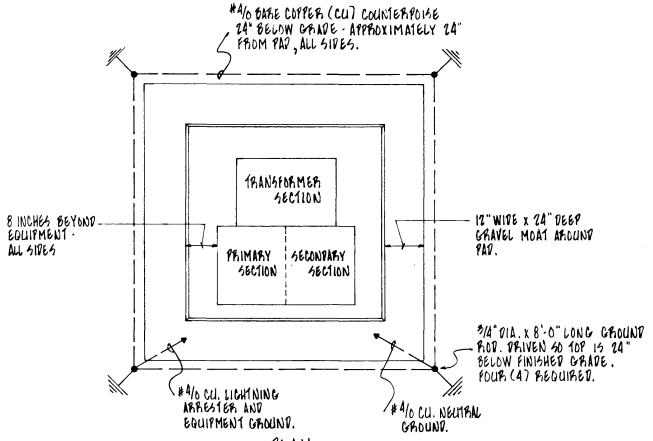
NO SCALE



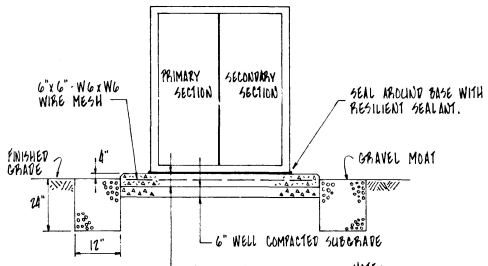
DIMENSIONS	'A'	'B'	ANCHOR BOLTS
250W HPS FIXTURE	60"	30" DIA.	FOUR (4) 1" DIA x 48" LONG WITH A" BEND
70W HPS FIXTURE	36"	24" DIA.	FOUR (4) 1/2" DIA x 24" LONG WITH 2" BEND

LIGHTING STANDARD ANCHOR BASE DETAIL

NO SCALE



PLAN

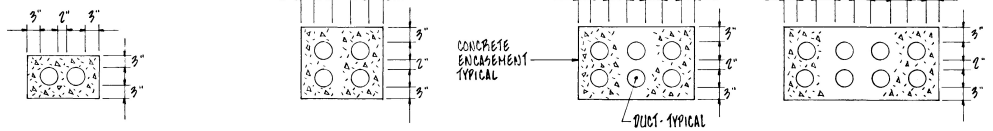


ELEVATION

NOTE:
DETAIL TYPICAL FOR ALL PAD MOUNTED TRANSFORMERS.

PAD MOUNTED TRANSFORMER DETAIL

NO SCALE



2 WAY ELECTRIC / TELEPHONE

4 WAY ELECTRIC / TELEPHONE

6 WAY ELECTRIC

8 WAY ELECTRIC

DUCT BANK DETAILS

NO SCALE

NOTE:
ALL DUCT SIZES ARE FOUR INCH.

REV.	DATE	DESCRIPTION	BY
	MAY 90	AS BUILT	

US Army Corps of Engineers

U.S. ARMY ENGINEER DISTRICT, BALTIMORE
CORPS OF ENGINEERS
BALTIMORE, MARYLAND

ABERDEEN PROVING GROUND MARYLAND

ENLISTED BARRACKS PHASE IV

SITE-ELECTRICAL DETAILS

DRAWING NUMBER F-721-90-12 PLATE 172

SCALE AS SHOWN DATE 5 FEB. 1987 SHEET ES-6

41877