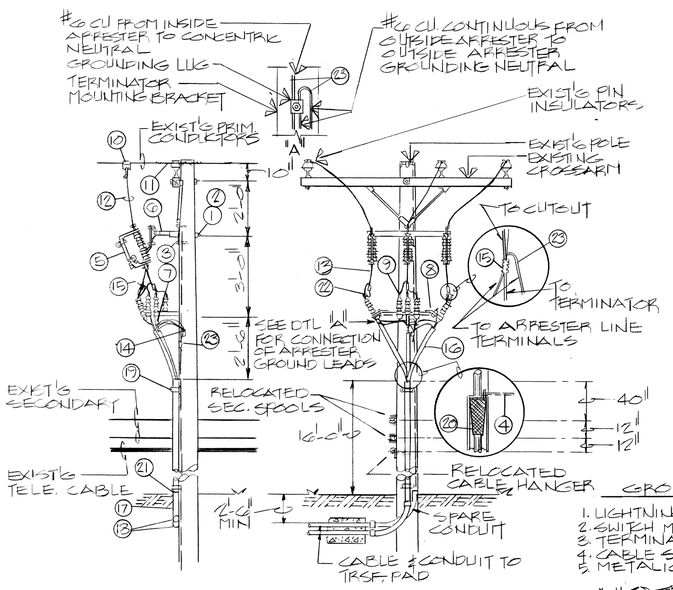
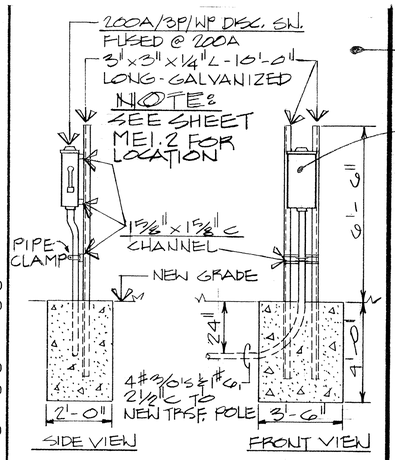


RISER POLE DETAIL

NTS

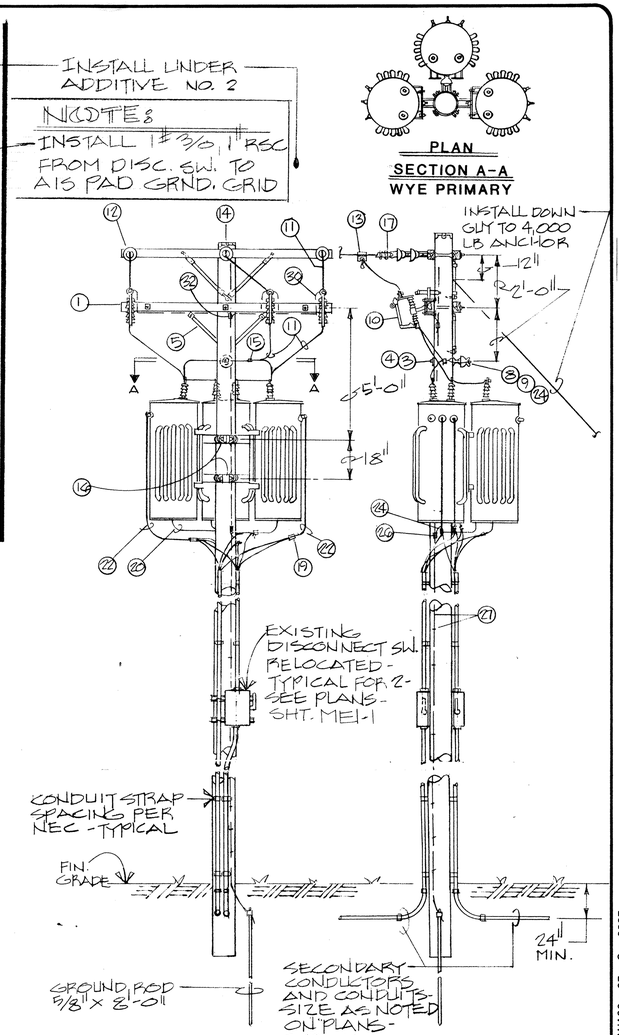
NOTE: SEE SHEET ME1.1 FOR RISER POLE LOCATION

ITEM	DESCRIPTION	QUAN
1.	BOLT, MACHINE, 5/8" X REQUIRED LENGTH	2
2.	WASHER, SQUARE, 2½"	2
3.	SCREW, LAG, ½" x 4"	2
4.	HOOK, SCREW	1
5.	CUTOUT, FUSED 8 KV 200 AMP	3
6.	BRACKET, SWITCH MOUNTING	1
7.	TERMINATOR, 15 KV, OUTDOOR (REQUIRED SIZE)	3
8.	BRACKET, TERMINATOR MOUNTING	1
9.	ARRESTER, LIGHTNING, 9 KV	6
10.	CLAMP, HOT LINE, BRONZE (REQUIRED SIZE)	3
11.	STIRRUP, HOT LINE, COPPER (REQUIRED SIZE)	3
12.	CONDUCTOR, COPPER, #4 BARE SOFT DRAWN	REQ'D
13.	CONDUCTOR, COPPER, #4 BARE HARD DRAWN	REQ'D
14.	CONNECTOR, COMPRESSION, #6 TO #6	3
15.	CONNECTOR, COMPRESSION, COPPER (REQUIRED SIZE)	5
16.	CABLE, 15 KV (REQUIRED SIZE)	REQ'D
17.	CONDUIT, RIGID STEEL, FIVE (5) INCH	REQ'D
18.	CONDUIT, 90° BEND, RIGID STEEL, LONG RADIUS	2
19.	STRAP, PIPE, FIVE (5) INCH	REQ'D
20.	CABLE GRIP (REQUIRED SIZE)	1
21.	PLUG FOR SPARE FIVE (5) INCH CONDUIT	1
22.	BRACKET, DUAL ARRESTER MOUNTING	3
23.	CONDUCTOR, COPPER, #6 BARE SOFT DRAWN	REQ'D



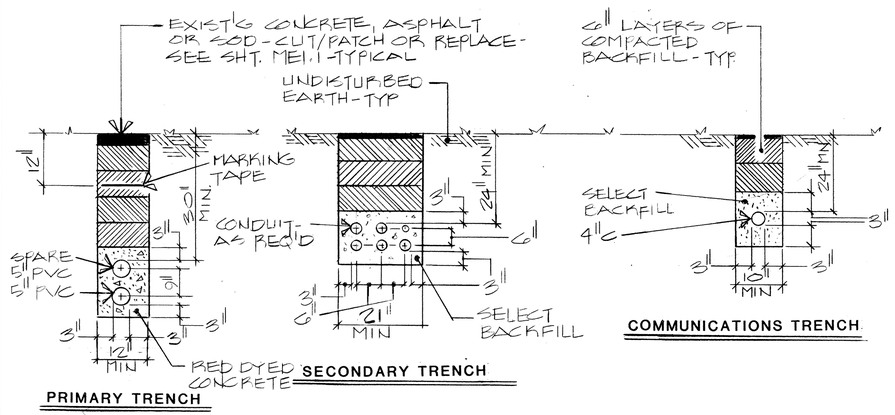
DISCONNECT STAND DETAIL

NTS



TRANSFORMER POLE DETAIL

NTS



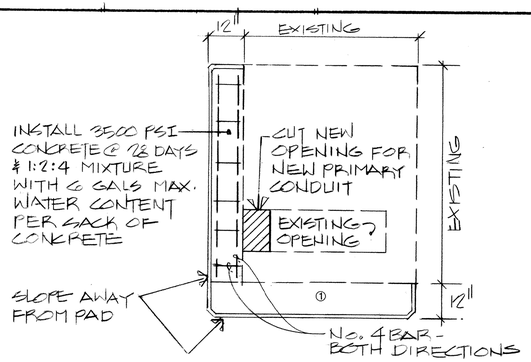
TRENCH DETAILS

NTS

ITEM	DESCRIPTION	QUAN.
1.	CROSSARM, WOOD, 8'	4
2.	BOLT, MACHINE 5/8" X REQUIRED LENGTH	2
3.	BOLT, DOUBLE-ARMING 5/8" X REQUIRED LENGTH	5
4.	WASHER, SQUARE, 2¼"	21
5.	BRACE, WOOD, CROSSARM	2
6.	SCREW, LAG ½" X 4"	2
7.	BOLT, CARRIAGE 3/8" X 4½"	2
8.	ADAPTER, THIMBLE	1
9.	INSULATOR, PIN TYPE, 13KV	1
10.	COMBINATION FUSE SWITCH AND ARRESTER (FUSE AT 15K)	3
11.	CONDUCTOR, COPPER NUMBER SIX (6), PRIMARY LBS.	REQ'D
12.	INSULATORS, SUSPENSION	6
13.	CLAMP, HOT LINE COPPER	3
14.	POLE, WOOD, 35', CLASS FOUR (4)	1
15.	CONNECTOR, SOLDERLESS NUMBER SIX (6) (PRIMARY)	1
16.	BRACKET, POLE - TRANSFORMER MOUNTING	REQ'D
17.	DEAD END CLAMP	3
18.	PLATE, ADAPTER (75-100 KVA) 2 PER TRANSFORMER	6
19.	CONNECTOR, BRONZE REQUIRED,(SIZE AND TYPE)	11
20.	CABLE, COPPER - TRANSFORMER NEUTRAL (REQUIRED SIZE) LBS.	REQ'D
21.	WIRE, TIE, NUMBER SIX (6) COPPER LBS.	REQ'D
22.	CABLE, SERVICE (REQUIRED SIZE) FT.	REQ'D
23.	CONDUCTOR, NUMBER SIX (6) COPPER (EQUIPMENT GROUNDING) LBS.	REQ'D
24.	CONDUCTOR, NUMBER SIX (6) COPPER LBS.	REQ'D
25.	CONNECTOR, SOLDERLESS NUMBER SIX (6)	5
26.	CONNECTOR, BRONZE, COMPRESSION	1
27.	STAPLES, GROUND WIRE LBS.	REQ'D
28.	STIRRUP, COPPER HOT LINE (REQUIRED SIZE AND TYPE)	3

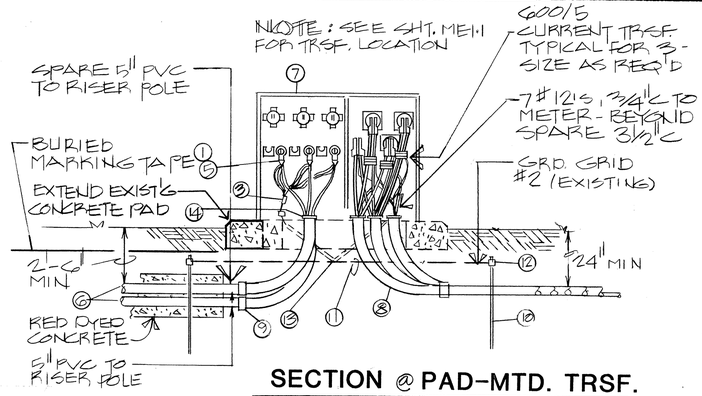
NOTES

1. PROVIDE THREE (3) SPARE 15K FUSE LINKS.
2. ALL EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.



PAD-MOUNTED TRSF. DETAIL

NTS



SECTION @ PAD-MTD. TRSF.

NTS

NOTES:

1. WHERE POSSIBLE, DO NOT PLACE CONDUIT UNDER THIS SECTION
2. REINFORCING - NUMBER FOUR (4) BARS 12" C.C. BOTH WAYS.
3. WHEN INSTALLING CONDUIT, DISTURB GROUND IN FOUNDATION AREA AS LITTLE AS POSSIBLE. EXTEND CONDUIT ONE (1) INCH ABOVE FOUNDATION
4. TOP OF FOUNDATION TO BE SMOOTH & LEVEL. FIN. GRADE TO SLOPE AWAY FROM PAD.
5. CONCRETE SHALL BE 3500 PSI AT TWENTY-EIGHT DAYS AND 1:2:4 MIXTURE W/ SIX (6) GALLONS MAX. WATER CONTENT PER SACK OF CEMENT.

ITEM	DESCRIPTION		QUAN
1.	KIT, STRESS CONE 15 KV	(FOR NO. 2 AWG)	3
2.	CABLE, UNDERGROUND COPPER PRIMARY	(NUMBER 2 AWG)	AS REQ'D
3.	CONNECTOR, COMPRESSION, COPPER	(REQUIRED SIZE)	1
4.	LUG, COMPRESSION, SIX (6) HOLE	(REQUIRED SIZE)	8
5.	ELBOW, PRIMARY LOAD BREAK	(FOR NO. 2 AWG)	3
6.	CONDUIT, RIGID STEEL, 5"		AS REQ'D
7.	TRANSFORMER, PAD-MOUNTED 500KVA		1
8.	SECONDARY CONDUCTORS AND CONDUIT (EXISTING)		AS REQ'D
9.	LONG RADIUS ELBOW 90° RSC		2
10.	5/8" X 10'-0" GROUND ROD (EXISTING)		4
11.	#2 BARE COPPER CONDUCTOR (EXISTING)		
12.	GROUND ROD CLAMP (EXISTING)		4
13.	#2 COPPER COMPRESSION CONNECTOR (EXISTING)		
14.	CONDUIT BUSHING		4

MM MG
Mott Mobley McGowan & Griffin, P.A. Architects
302 North Sixth Street
Fort Smith, Arkansas 72901

REGISTERED PROFESSIONAL ENGINEER ARKANSAS No. 4761 LONNIE L. GRIFFIN

REGISTERED ARCHITECTS MOTT MOBLEY McGOWAN & GRIFFIN PA CIP ARKANSAS

CONTRACT NO. DAHA03 - 87 - C - 0007

PROJECT NO. FSM-40997

ADD./ALTER AVIONICS/ECM POD SHOP/STORAGE FACILITY
AIR NATIONAL GUARD TRAINING FACILITY
MUNICIPAL AIRPORT - FT. SMITH, ARKANSAS

ELECTRICAL SITE DETAILS

As-built info: 4-12-90 ①
Revisions

1357
Plan Number

E1.4

11-16-88
Date

Of

BRUNING 42 72 8501