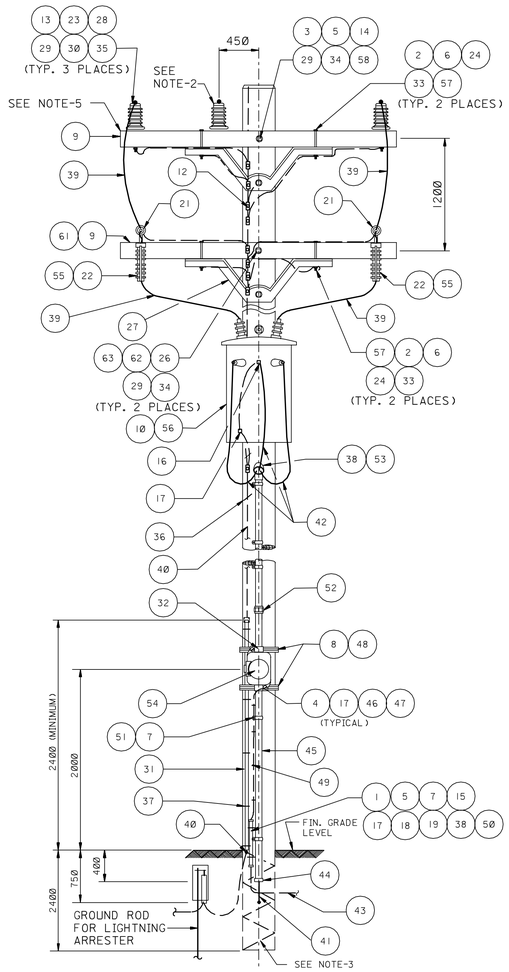
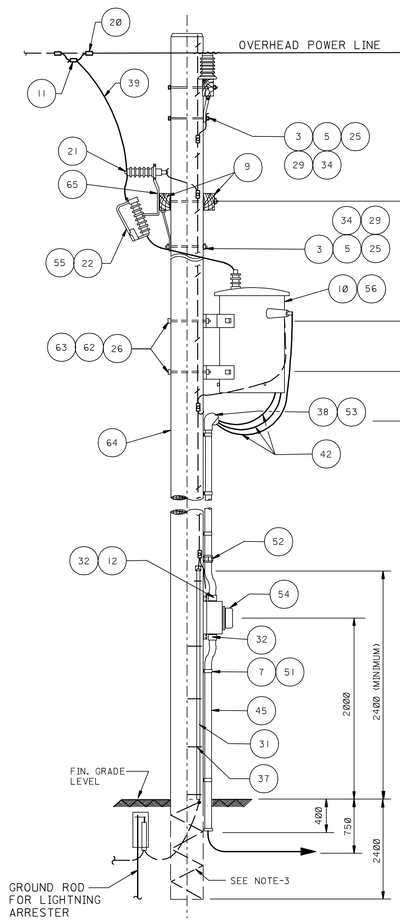
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
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ELEVATION



SECTION A-A

BILL OF MATERIAL

ITEM NO.	AMS CAT. NO.	ISSUE UNIT	QTY.	DESCRIPTION
1	01-515-441	JT	1	PIPE: PVC, 1 1/2 " DIA., GM. LONG
2	10-829-415	EA	20	LOCK WASHER: SPRING FOR 1/2 " DIA. BOLT
3	10-829-419	EA	38	LOCK WASHER: SPRING FOR 5/8 " DIA. BOLT
4	10-887-832	EA	4	WASHER: FLAT ROUND FOR 1/4 " DIA. BOLT
5	10-888-370	LB	2	WASHER: 5/8 " DIA. BOLT SIZE
6	10-888-365	LB	1	WASHER: FLAT, FOR 1/2 " DIA. BOLT
7	11-595-235	EA	10	SCREW: #8 x 3/4 " LONG
8	11-268-131	EA	8	LAG: SCREW, 3/8 " DIA. x 3" LONG
9	14-516-650	EA	3	CROSSARM: WOOD, 3 1/2 " x 4 1/2 " x 8' LONG
10	14-XXX-XXX	EA	1	DIST. TRANS.
11	14-103-578	EA	2	CLAMP: HOTLINE ALUMINUM FOR # 1/0 AWG ACSR WIRE
12	14-112-074	EA	3	CONNECTOR: SERVICE LINE TAP #6 AWG THRU #2/0 AWG WIRE
13	14-584-180	EA	8	NUT LOCK: FOR 3/4 " DIA. BOLT
14	14-489-323	EA	4	BOLT: MACHINE 5/8 " DIA. x 18" LONG
15	14-188-844	LB	1	LOCK WASHER: 1/2 " DIA. SIL. BRONZE
16	14-198-133	EA	2	CONNECTOR: TERMINAL CRIMP TYPE FOR 50mm² WIRE
17	14-198-120	EA	3	GROUNDING LUG: ONE HOLE, NEMA PAD FOR 25mm² WIRE
18	14-218-184	EA	2	NUT: SILICON BRONZE, 1/2 "-13
19	14-256-445	EA	2	CAP: SCREW; SILICON BRONZE 1/2 "-13 x 1 1/2 " LONG
20	14-272-823	EA	2	STIRRUP: COMPRESSION FOR # 1/0 AWG ACSR WIRE
21	14-326-960	EA	2	ARRESTER: LIGHTING, POLE MTD. 12-15KV
22	14-352-075	EA	2	FUSE CUT-OUT: OPEN TYPE 10,000 AIC
* 23	14-384-415	EA	3	INSULATOR: POST
24	14-486-296	EA	6	BOLT: DOUBLE ARMING, 1/2 " DIA. x 7" LONG
25	14-489-313	EA	2	BOLT: MACHINE, 5/8 " DIA. x 14" LONG
26	14-489-328	EA	6	BOLT: MACHINE, 5/8 " DIA. x 20" LONG
27	14-494-582	EA	1	BRACE: CROSSARM, STEEL
28	14-641-741	EA	3	TIE DISTRIBUTION
29	14-505-XXX	EA	12	CLAMP: GROUND, FOR 5/8 " DIA. BOLT
30	10-891-XXX	EA	8	WASHER: SPRING, FOR 5/8 " DIA. BOLT
31	14-576-400	EA	1	MOLD FOR GROUND WIRE, 8FT. LONG, 1/2 " WD.
32	15-736-165	EA	2	REDUCER: 1 1/4 " x 1" CONDUIT
33	14-584-150	EA	20	NUT LOCK: FOR 1/2 " DIA. BOLT
34	14-584-165	EA	14	NUT LOCK: FOR 5/8 " DIA. BOLT
35	10-887-864	LB	1	WASHER: 3/4 " DIA. BOLT
36	14-631-133	LB	1	STAPLE: GROUND WIRE, FOR 5/16 " DIA.
37	14-631-510	EA	10	STAPLE: MOLDING, COPPER COATED
38	14-872-276	PK	1	DUXSEAL SEALING COMPOUND
39	15-043-167	FT	25	WIRE: BARE COPPER, BSD, #4 AWG
40	15-044-438	FT	120	GROUND WIRE: COPPER WELD, 5/16 " DIA.
41	15-119-105	MT	25	CABLE: DIRECT BURIAL, 3/C-16mm
42	15-111-XXX	MT	40	CABLE: 600V INSUL., IJV RESIST, COPPER #6
43	15-195-390	MT	20	WIRE: BLDG, TYPE NYA, 25mm GREEN INSULATION
44	15-288-050	EA	6	BUSHING: CONDUIT, 1" SIZE
45	15-314-914	PC	7	CONDUIT: STEEL, 1" NOM. SIZE PVC COATED
46	15-429-730	EA	4	LOCKNUT WITH SPRING 1/4 "-20
47	15-429-884	EA	1	CAP SCREW: STEEL 1/4 " x 1" LONG
48	15-430-040	PC	1	CHANNEL UNISTRUT-P-1000, 1 5/8 " x 1 5/8 "
49	15-525-024	PK	1	TIE: CABLE, 1/0" TO 3" DIA.
50	15-510-825	EA	10	STRAP: CONDUIT, 1 1/2 " DIA., ONE HOLE
51	15-511-223	EA	8	STRAP: CONDUIT, FOR 1" SIZE, 2-HOLE
52	15-537-262	EA	5	UNION: CONDUIT, 1" SIZE
53	15-908-110	EA	1	WEATHERHEAD: 1" DIA. SIZE
54	16-041-434	EA	1	CIRCUIT BREAKER: 30AT WITH ENCLOSURE
55	16-306-020	EA	2	LINK: FUSE, 3AMP. RATING FOR 15KV FUSE CUTOUT
56	26-006-140	DM	1	INSULATING OIL: FOR X'FMR. RECT. ISO 15 VISCOSITY
57	14-511-750	EA	16	CLIP: UNIVERSAL BONDING
58	10-889-282	EA	2	CURVED WASHER: 5/8 " DIA.
59	11-173-615	EA	4	SCREW CAP: 5/8 " x 38mm
60	14-239-800	PK	1	RACK: TRANSFORMER MOUNTING, FOR 3 UNITS
61	14-486-869	EA	4	BOLT: DOUBLE ARMING; 5/8 " DIA. x 22" LONG
62	10-891-214	EA	20	WASHER: O-RING FOR 5/8 " DIA. BOLT
63	10-887-368	LB	2	WASHER: 5/8 " DIA. BOLT
64	14-602-XXX	PC	1	POLE: LINE; WOOD
65	14-352-040	EA	2	BRACKET: FOR SURGE ARRESTER/CUTOUT MOUNTING

* 13.8 KV AND BELOW CONSTRUCTION

NOTES:

1. FOR POLE SETTING, SEE STANDARD DRAWING # AE-036014
2. THE MIDDLE INSULATOR IS USED FOR 3-PHASE INSTALLATION ONLY.
3. FOR POLE BUTT GROUNDING DETAILS, SEE STD. DWG. # AD-036131.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
5. FOR CROSSARM FRAMING AND DRILLING INSTRUCTION SEE SAUDI ARAMCO STD. DWG. # AD-036901.

DRAWING RESPONSIBILITY: ELECT. STD. REVIEW COMMITTEE

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
01	JAN96	ESSD CAB		REVISED BILL OF MAT'L. & TITLE. ADDED SHT. 2. CHNG'D. MANDATORY TO DWG. RESPONSIBILITY.			

SAUDI ARABIAN OIL COMPANY

DRAWN BY ESSD/RCR CHECKED BY _____ SCALE: N O N E

DATE STARTED 01-14-92 DATE COMPLETED AUG. 94

OPR'G. DEPT. _____ ENG. DEPT. _____

APP'D. FOR CONST. _____

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED

CERTIFIED BY _____ DATE - -

TANGENT POLE WITH TAP-OFF TRANSFORMER INSTALLATION 13.8 KV AND BELOW

STD. DWG.

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