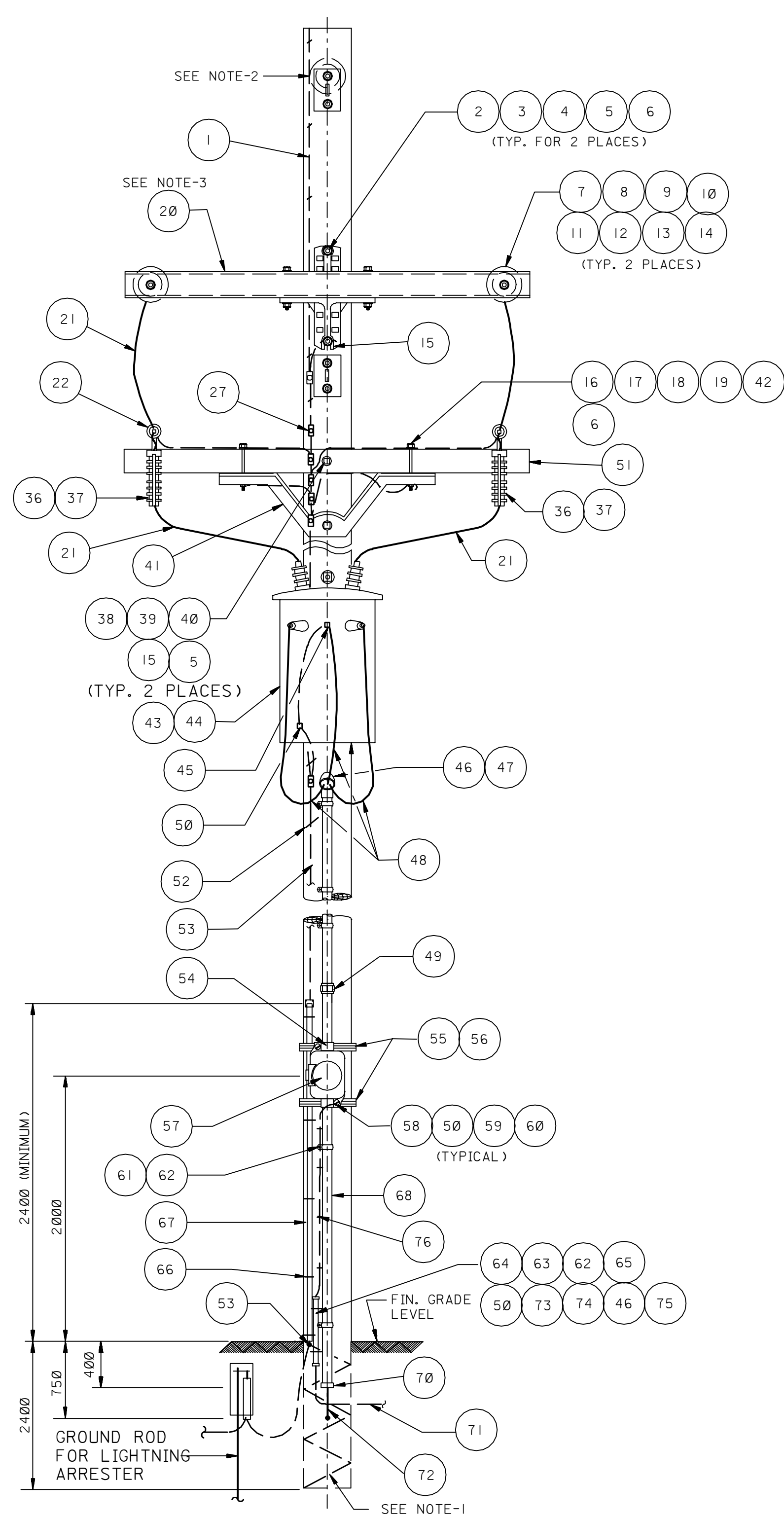
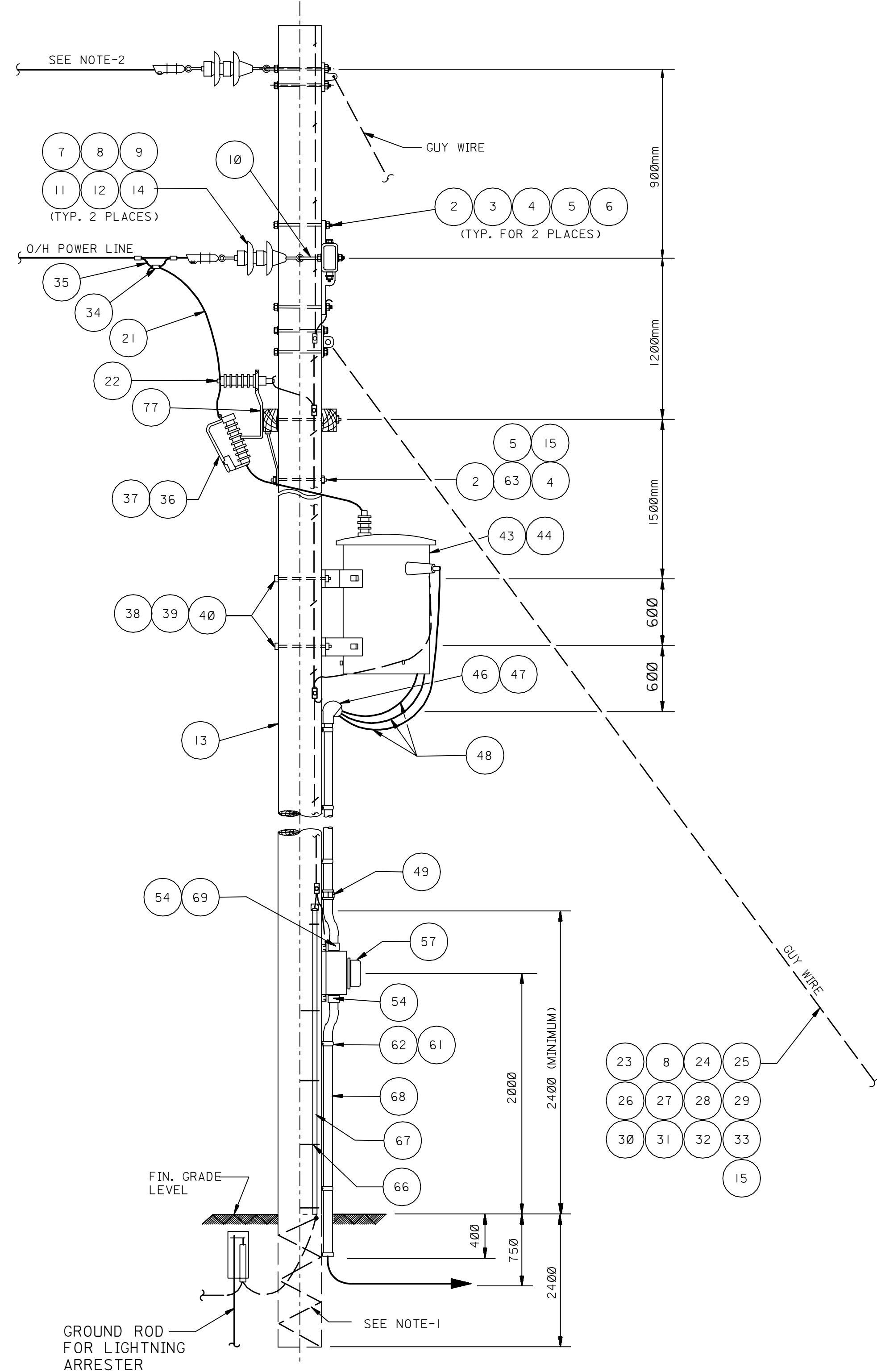




ELEVATION



SECTION A-A

BILL OF MATERIAL				
ITEM NO.	AMS CAT. NO.	ISSUE UNIT	QTY.	DESCRIPTION
1	14-659-420	FT	100	WIRE: COPPER, SOFT DRAWN #4
2	10-829-419	EA	12	LOCK WASHER: SPRING TYPE FOR 5/8 " DIA. BOLT SIZE
3	10-889-282	LB	2	WASHER: CURVED FOR 5/8 " DIA. BOLT SIZE
4	14-893-313	EA	4	BOLT: MACHINE, C.S. 5/8 " x 14" LG. GALV. W/ NUT
5	14-584-165	EA	20	NUT LOCK : FOR 5/8 " DIA. BOLT
6	14-511-750	EA	14	CLIP: GROUND, UNIVERSAL BONDING
7	10-889-XXX	LB	2	WASHER: ROUND: STEEL: GALV. 5/8 " DIA. HOLE
8	10-889-XXX	EA	*16	LOCK WASHER: FOR 5/8 " DIA. BOLT SIZE
9	XX-XXX-XXX	EA	*4	INSULATOR: SUSPENSION
10	14-568-347	EA	*2	LINK: EXTENSION
11	14-505-285	EA	*2	CLAMP: DEAD-END, ALUM.
12	14-513-215	EA	1	CLEVIS: BALL, CONNECTOR FOR SUSPENSION INSULATOR
13	14-602-XXX	PC	*1	POLE: LINE, WOOD
14	14-629-103	EA	*2	SOCKET: EYC
15	14-505-582	EA	14	CLIP: BONDING
16	14-584-150	EA	26	NUT LOCK: FOR 1/2 " DIA. BOLT
17	10-888-365	LB	1	WASHER: ROUND STL. GALV. 1/2 " DIA. BOLT SIZE
18	10-889-710	EA	6	LOCK WASHER: SPRING TYPE FOR 1/2 " DIA. BOLT SIZE
19	14-486-246	EA	8	BOLT: MACHINE 1/2 " DIA. x 7" LONG
20	14-049-165	EA	1	CROSSARM: STEEL, WITH PROV. FOR 51mm x 102mm (2" x 4")
21	XX-XXX-XXX			WIRE: SAME SIZE AS POWER LINE AS REQUIRED
22	14-326-960	EA	*2	ARRESTER: LIGHTNING, POLE MOUNTED
23	07-135-340	FT	120	WIRE: GUY 1/2 " DIA.
24	10-889-284	EA	2	WASHER: CURVED, GALV. FOR 3/4 " DIA. BOLT SIZE
25	14-382-175	EA	2	INSULATOR: GUY, ANSI CLASS 54-3
26	14-476-147	EA	1	ANCHOR: EXPANDING, 23000 LBS. ULTIMATE STRENGTH
27	14-112-769	EA	10	CONNECTOR: COMPRESSION TYPE, PARALLEL #2 AWG #1/0 AWG
28	14-509-359	EA	2	CLEVIS: THIMBLE, 20000 LBS. ULTIMATE STRENGTH
29	14-489-365	EA	2	BOLT: MACHINE 3/4 " X 14" LONG
30	14-531-160	EA	2	DEAD-END GUY GRIP: 1/2 " GALV. STEEL 19 STRD.
31	14-542-250	EA	2	PLATE FOR POLE GUY: HEAVY DUTY 0-90 GUYING ANGLE RANGE
32	14-550-332	EA	1	GUARD: GUY WIRE 2" WD, 8"-10" LONG, YELLOW
33	14-616-075	EA	1	ROD: ANCHOR, 3/4 " DIA. 9"-10" LONG
34	14-103-578	EA	2	CLAMP: HOT LINE: ALUMINUM FOR #1/0 AWG ACSR WIRE
35	14-272-823	EA	2	STIRRUP: HOT LINE FOR #1/0 ACSR WIRE SIZE
36	14-352-075	EA	2	FUSE CUT-OUT: OPEN TYPE 10000 AIC
37	16-306-020	EA	2	LINK: FUSE, 3 AMP RATING FOR 15 KV FUSE CUT-OUT
38	10-887-368	LB	2	WASHER: 5/8 " DIA. BOLT
39	10-891-214	EA	20	WASHER: O-RING FOR 5/8 " DIA. BOLT
40	14-489-328	EA	6	BOLT: MACHINE 5/8 " X 20" LONG
41	14-494-582	EA	1	BRACE: CROSSARM, STEEL
42	10-829-415	EA	20	LOCK WASHER: SPRING FOR 1/2 " DIA. BOLT
43	14-XXX-XXX	EA	1	DIST. TRANS.
44	26-006-140	DM	1	INSULATING OIL: FOR XFMR. 12 CCT. ISO 15 VISCOSITY
45	14-198-133	EA	2	CONNECTOR TERMINAL CRIMP TYPE FOR 50mm ² WIRE
46	14-872-276	PK	1	DUXSEAL SEALING COMPOUND
47	15-908-110	EA	1	WEATHER HEADING: 1" DIA. SIZE
48	15-111-XXX	MT	40	CABLE: 600V INSUL. 11V RESIST. COPPER #6
49	15-537-262	EA	5	UNION: CONDUIT, 1" SIZE
50	14-198-1 20	EA	3	GROUNDING LUG: ONE HOLE, NEMA PAD FOR 25mm ² WIRE
51	14-516-650	EA	2	CROSSARM: WOOD 8 FT. LONG
52	14-631-133	LB	1	STAPLE: GROUND WIRE FOR 5/16 " DIA.
53	15-044-438	FT	120	GROUND WIRE: COPPER WELD 5/16 " DIA.
54	15-736-165	EA	2	REDUCER 1 1/4 " x 1" CONDUIT
55	11-268-131	EA	8	LAG: SCREW 3/8 " DIA. x 3" LONG
56	15-030-040	PC	1	CHANNEL UNISTRUT P-1000 1 3/8 " x 1 5/8 "
57	16-041-434	EA	1	CIRCUIT BREAKER: 30AT WITH ENCLOSURE
58	10-887-832	EA	4	WASHER: FLAT ROUND FOR 1/4 " DIA. BOLT
59	15-429-730	EA	4	LOCKNUT WITH SPRING 1/4 " - 20
60	15-429-884	EA	1	CAP SCREW: STEEL 1/4 " x 1" LONG
61	15-511-223	PK	8	STRAP: CONDUIT FOR 1" SIZE, 2-HOLE
62	11-595-235	EA	10	SCREW: 8" x 3/4 " LONG
63	10-888-370	LB	2	WASHER: 5/8 " DIA. BOLT
64	21-155-441	JT	1	PIPE: PVC, 1 1/2 " DIA. 6M LONG
65	14-188-884	LB	1	LOCK WASHER: 1/2 " DIA. SIL. BRONZE
66	14-631-510	EA	10	STAPLE: MOLDING, COPPER COATED
67	14-576-400	EA	1	MOLD FOR GROUND WIRE 8 FT. LONG
68	15-314-914	PC	7	CONDUIT: STEEL, 1" NOM.

* USE 1.5 x QUANTITY FOR 3-PHASE POWER LINE INSTALLATION.

NOTES:

1. FOR POLE BUTT GROUNDING DETAILS, SEE STD. DWG. AD-036131.
2. ELIMINATE THIS CONDUCTOR FOR A SINGLE PHASE LINE.
3. FOR CROSSARM FRAMING & DETAILING INSTRUCTION SEE DWG. DA-837226 DET. #3.

DRAWING RESPONSIBILITY:
ELECT. STD. REVIEW COMMITTEE

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
SAUDI ARABIAN OIL COMPANY							

DRAWN BY ESSD/CAB CHECKED BY _____ SCALE: NONE

DATE STARTED 01-03-96 DATE COMPLETED _____

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 ____ - ____ - ____
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DEAD-END TAP-OFF POLE WITH TRANSFORMER INSTALLATION
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STD. DWG.

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	P	AA-036390	002	00