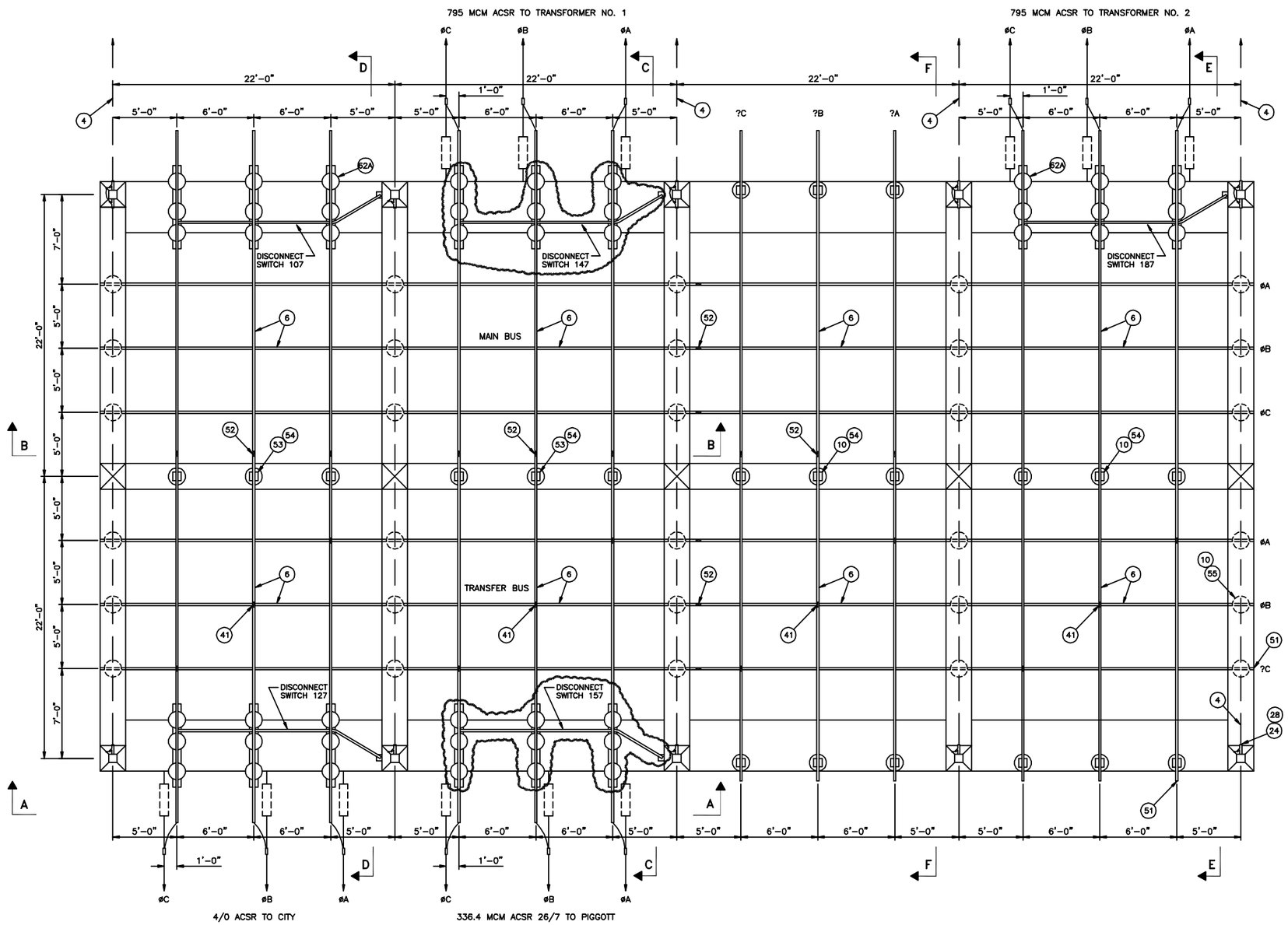
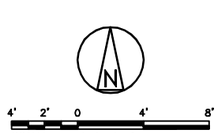


UPPER PLAN
SCALE: 1/4"=1'-0"



SCALE: 1/4"=1'-0"

WORK THIS CONTRACT

69 KV STRUCTURE BILL OF MATERIALS

ITEM NO.	QTY	DESCRIPTION	
1	*	CABLE CONDUCTOR, 795 KCMIL 26/7 ACSR	CODE DRAKE
2	750'	CABLE CONDUCTOR, 715.5 KCMIL AAL	CODE VIOLET
3	20'	CABLE CONDUCTOR, #4/0, 6/1, ACSR	CODE PENGUIN
4	350'	STATIC WIRE, 7/16" H.S. GALVANIZED STEEL CABLE	
5	12	EXPANSION TERMINAL, 2" I.P.S. ALUMINUM TUBING TO NEMA TERMINAL PAD	BURNDY XA18A-4N, OR EQUAL
6	2140'	TUBULAR BUS CONDUCTOR, 2" I.P.S. ALUMINUM TUBING A.S.A. SCHEDULE 40 PIPE, 6063-T6 ALLOY	
7	270	SUSPENSION INSULATOR, 5-3/4" x 10", 15,000 LB. M & E STRENGTH, (6 PER STRING)	OB 32440, OR EQUAL
8	24	CONNECTOR, 2" I.P.S. ALUMINUM TUBING TO NEMA TERMINAL PAD	BURNDY NA18A-4N, OR EQUAL
10	54	STATION POST INSULATOR, 3" B.C.	TECH. REF. 216
17	9	T-CONNECTOR, 2" I.P.S ALUMINUM TUBING RUN TO 795 KCMIL 26/7 ACSR TAP	ANDERSON ATTC-2013, OR EQUAL
18	18	T-CONNECTOR, 715.5 KCMIL AAC RUN AND TAP	ANDERSON ATCC-1111, OR EQUAL
21	9	STRAIN CLAMP, 795 KCMIL 26/7 ACSR	ANDERSON SD-112-S, OR EQUAL
23	33	STRAIN CLAMP, STRAIGHT LINE TYPE 715.5 KCMIL AAC	ANDERSON ADE-98-S. OR EQUAL
24	20	STRAIN CLAMP FOR 7/16" H.S. GALVANIZED STEEL CABLE	OB 83834, OR EQUAL
26	45	BALL CLEVIS	ITE 3056 HT
28	14	CLEVIS EYE	OB 83832, OR EQUAL
29	9	Y-CLEVIS EYE	ITE 3031-5/8 HT & OB 85451
30	9	SOCKET CLEVIS	ITE 3040 HT
31	9	EXTENSION STRAP, 1/2" x 1-1/2" x 24"	OB 93733, OR EQUAL
34	8	LIGHTING FIXTURE	HOLOPHANE 04250
35	8	LIGHTING FIXTURE MOUNTING BRACKET	HOLOPHANE 0876
41	54	T-CONNECTOR, 2" I.P.S. ALUMINUM TUBING RUN TO 715 KCMIL AAL CABLE TAP	ANDERSON ATTC-2011, OR EQUAL
51	56	CORONA END BELL FOR 2" I.P.S. ALUMINUM TUBING	ANDERSON ACBI-20, OR EQUAL
52	39	STRAIGHT CONNECTOR, 2" I.P.S. ALUMINUM TUBING TO 2" I.P.S. ALUMINUM TUBING	BURNDY NS 18A18A, OR EQUAL
53	57	STATION INSULATOR, 3' B.C.(2 PER STACK)	OB 37769, OR EQUAL
54	39	BUS SUPPORT CLAMP, 3" B.C. 2" I.P.S. ALUMINUM TUBING, CAP MOUNTING	BURNDY UHG 18A-3, OR EQUAL
55	42	BUS SUPPORT CLAMP, 3" B.C. 2" I.P.S. ALUMINUM TUBING, BASE MOUNTING	BURNDY UHG 18A-3-B, OR EQUAL
56	3	BUS SUPPORT CLAMP, 3" B.C. 715.5 KCMIL AAC, BASE MOUNTING	BURNDY UHKR 14A-3-B, OR EQUAL
57	3	T-CONNECTOR, 2" I.P.S. ALUMINUM TUBING RUN TO #4/0 ACSR TAP	BURNDY NNT 18A29A, OR EQUAL
58	3	STRAIN CLAMP, #4/0 ACSR	ANDERSON SD-98-S, OR EQUAL
59	36	EXTENSION LINK, 10" WITH CLEVIS EYE	OB 82910, OR EQUAL
60	36	EYE BOLT, 5/8" x 6", THREADED 4"	LM DF2E6, OR EQUAL
61		T- CONNECTOR, #4/0, 6/1, ACSR RUN & TAP	ANDERSON ATCC-77, OR EQUAL
62	10	DISCONNECTING SWITCH, 69 KV, 600 AMP, 3 POLE MANUAL GROUP OPERATED	
62A	12	DISCONNECTING SWITCH, 69 KV, 1200 AMP, 3 POLE MANUAL GROUP OPERATED	
63		69 KV COUPLING CAPACITOR POTENTIAL DEVICE	
64	3	69 KV POTENTIAL TRANSFORMER	
65	3	69 KV CURRENT TRANSFORMER	
66	60	COMPRESSION TERMINAL, 715.5 KCMIL AAC TO NEMA TERMINAL PAD	ANDERSON CCLS-1031-C, OR EQUAL
67	18	90° TERMINAL, 715.5 KCMIL AAC TO NEMA TERMINAL PAD	ANDERSON ACF-11-C-Y90, OR EQUAL
68	3	SURGE ARRESTER 69KV, 57KV MCOV	
69	AS REQ'D	CABLE CONDUCTOR 795 MCM AAC	
70	6	COMPRESSION TERMINAL 795 MCM AAC TO 4 HOLE PAD	
71	3	COMPRESSION TERMINAL 795 MCM AAC TO 4 HOLE PAD AT 90°	
72	3	PARALLEL GROOVE CLAMP FOR 715.5 MCM AAC RUN TO 795 MCM AAC TAP	
73	1	69KV DISCONNECT SWITCH, 1200 AMP CONTINUOUS	
101	1	SF6 POWER CIRCUIT BREAKER, 69KV, 1200 AMP (FURNISHED BY THE GOVERNMENT)	
102	75'	CABLE CONDUCTOR 795 KCMIL, AAL, 37 STRAND, CODE "ARBUTUS".	
103	12	COMPRESSION-TYPE TERMINAL CONN. 795 KCMIL, AAL TO FLAT 4-HOLE NEMA PAD.	ANDERSON CCL-1036-C, OR EQUAL

* INCLUDED IN TRANSFORMER STRUCTURE BILL OF MATERIAL

Reference Old drawing number: EE-M-1029-0046

REV	DESCRIPTION	DRAWN	CHKD
5	SWITCH REPLACEMENT	GBJ 10-05	KSH 10-05
4	PCB 102 REPLACEMENT	DKT 03-95	DEJ 02-96
3	REPLACED SWITCH 101	MHJ 05-94	
2	REVISED PER FIELD MARKS	MHJ 06-94	DEJ 06-94
1	XFMR #2 AS-BUILT, SCANNED AND RENUMBERED	MJ 01-94	CEV 01-94

UNITED STATES DEPARTMENT OF ENERGY
SOUTHWESTERN POWER ADMINISTRATION
TULSA, OKLAHOMA

KENNETT SUBSTATION
69KV STRUCTURE
ELECTRICAL PLAN

SCALE: NOTED
DRAWN
CHECKED
SUBMITTED
APPROVED

DRAWING NUMBER 1029-E4007
FILE NAME E4007
SHEET NUMBER 1 OF 1

Border name: A1ASL201 Size: 36 x 24
Last Edited: 10/06/05 11:07:20 Last File Name: \\Pegasus\Drawings\Electrical_Stations\Kennett\A27060_-_Disconnect_Switch_Replacement_-_Scott_Holland\E4007_KEN.dwg
brian.johnson