

EQUIPMENT				
ITEM	QTY	DESCRIPTION	MFR	P/N
100	12	115KV STATION POST INSULATOR	HUBBEL	PSSP250TR286
101	3	115KV ARRESTOR, STATION CLASS	HUBBEL	EVPO098000
102	1	HORIZONTAL V-SWITCH W/ OPERATOR - SWITCH #1489	ROYAL	AV11512STD
103	1	HORIZONTAL V-SWITCH W/ OPERATOR - SWITCH #1479	ROYAL	AV11512STD
104	1	HORIZONTAL V-SWITCH W/ OPERATOR - SWITCH #1491	ROYAL	AV11512-B6608
105	1	HORIZONTAL V-SWITCH W/ OPERATOR - SWITCH #1481	ROYAL	AV11512-B6609
106	1	CIRCUIT SWITCHER CS-1480 (EAST)	S&C	
107	1	CIRCUIT SWITCHER CS-1490 (WEST)	S&C	
108	3	COMBINATION METERING UNIT (CMU) - CS-1480 (EAST)	KUHLMAN	PHUN1535
109	3	COMBINATION METERING UNIT (CMU) - CS 1490 (WEST)	KUHLMAN	PHUN1535
110	1	CONTROL ENCLOSURE 10'DX14'WX10'T	HEES Ent.	

GROUND GRID PARTS				
ITEM	DESCRIPTION	SPECIFICATION	QTY	STOCK#
1	CRIMPIT	#6AWG TO #6AWG COPPER, PARALLEL CRIMPIT	150	6060300
2	CRIMPIT	#6AWG TO 1/0 COPPER, PARALLEL CRIMPIT	100	6060100
3	CRIMPIT	1/0 TO 1/0 COPPER, PARALLEL CRIMPIT	100	6061200
4	CADWELD PLUS ONE SHOT	1/0STRAND TO 3/4" ROD, EXOTHERMIC CONNECTION	30	6659000
5	GROUND ROD	10' X 3/4" GROUND ROD	30	3423000
6	2-HOLE JUMPER PAD, 1/0CU	2-HOLE NEMA STRAIGH LUG, 1/0 AL/CU RATED	40	6731700
7	BOLTED BRONZE CONNECTOR	BOLTED BRONZE CONNECTOR FLAT	30	6673200
8	1/0-7STR COPPER WIRE	#6AWG SOLID COPPER WIRE	3250	5051000
9	#6AWG SOLID COPPER WIRE	GOUND GRATE 4' X6' HD GALV	500	5030300
10	GOUND GRATE 4' X6' HD GALV	GROUNDING STUD #6-1/0	4	3420700
11	GROUNDING STUD #6-1/0	12" BRAIDED GROUND STRAP	8	6589900
12	12" BRAIDED GROUND STRAP	12" BRAIDED GROUND STRAP	4	6686200

SEE DRAWING E5-3 FOR GROUNDING DETAILS

CONCRETE FOUNDATIONS			
ITEM	QTY	DESCRIPTION	DWG
200		FOUNDATION PLAN	E4-0
201	12	115KV INSULATOR	E4-4
202	1	HIGH SIDE V-SWITCH 1479 (WEST)	E4-2
203	1	HIGH SIDE V-SWITCH 1489 (EAST)	E4-2
204	2	CMU (CT/PT COMBINATION)	E4-3
205	1	CIRCUIT SWITCHER CS-1480	E4-5
206	1	CIRCUIT SWITCHER CS-1490	E4-5
207	1	A-FRAME EAST	E4-1
208	1	A-FRAME WEST	E4-1

NOTE: CONCRETE FOUNDATION LIST PROVIDES DRAWING REFERENCE ONLY. CONTRACTOR TO SUPPLY ALL MATERIALS FOR CONSTRUCTION OF CONCRETE FOUNDATIONS.

MISCELLANEOUS PARTS			
ITEM	QTY	DESCRIPTION	STOCK#
300	600ft	795AAC CONDUCTOR	5483800
301	24	DEAD-END, COMPRESSION, 795AAC	6522500/6522600
302	21	115KV SUSPENSION INSULATOR	4077000
303	6	AMPACT, 795AAC TO 795AAC	6308480
304	30	DEADEND JUMPER PADDLE, 795AAC	6522400
305	15	CLEVIS CLEVIS	4950200
306	18	FLAT PAD TO 4/0-1000MCM CABLE CONNECTOR	11-127
307	2	SUSP INS CLAMP, 795AAC NO ARMOR ROD	6551400
308	1	POST INSUL CLAMP, 795AAC NO ARMOR ROD	6545600

SEE EXHIBIT-EU FOR COMPLETE LIST OF ALL MISCELLANEOUS PARTS

STRUCTURAL STEEL			
ITEM	QTY	DESCRIPTION	DWG
400	12	115 KV INSULATOR STAND	S1-5
401	ASSY	HIGH SIDE HORIZONTAL V-SWITCH - EAST	S1-3
402	ASSY	HIGH SIDE HORIZONTAL V-SWITCH - WEST	S1-3
403	3	CMU EAST	S1-4
404	3	CMU WEST	S1-4
405	ASSY	A-FRAME EAST (CS-1480)	S1-1 & S1-7
406	ASSY	A-FRAME WEST (CS-1490)	S1-2
407	1	A-FRAME EAST (CS-1480) STEEL MODIFICATIONS	S1-7
408	1	BPA TIE BEAM	S1-6
409	3	115KV CMU ADAPTER PLATE	S1-9

ANCHOR BOLTS			
ITEM	QTY	DESCRIPTION	SIZE
500	16	A-FRAME EAST & WEST	1-1/4" Ø X 88"L
501	16	HIGH SIDE V- SWITCH	1-1/4" Ø X 60"L
502	24	CMU	1"Ø X 52"L
503	16	CIRCUIT SWITCHERS	1"Ø X 56" L
504	48	115KV INSULATOR	3/4"Ø X 44"L

NOTE: ALL ANCHOR BOLTS INCLUDE DOUBLE NUTS & WASHERS

STRUCTURAL STEEL & ELECTRICAL EQUIPMENT MOUNTING BOLTS		
QTY	DESCRIPTION	ITEM
12	5/8"-11UNC X 2-1/2" LG HEAVY HEX HEAD GALV	A-FRAME EAST
16	1"-8UNC X 3" HEAVY HEAD HEX GALVE	A-FRAME EAST
12	5/8"-11UNC X 2-1/2" LG HEAVY HEX HEAD GALV	A-FRAME WEST
16	1"-8UNC X 3" HEAVY HEX HEAD GALV	A-FRAME WEST
64	1"-8UNC X 4" HEAVY HEX HEAD GALV	A-FRAME WEST
24	5/8"-11UNC X 2-1/2" LG HEAVY HEX HEAD GALV	HIGH SIDE V-SWITCHES EAST/WEST
32	1"-8UNC X 3" HEAVY HEX HEAD GALV	HIGH SIDE V-SWITCHES EAST/WEST
9	1/2"-13UNC X 3" HEAVY HEX HEAD GALV	BPA TIE BEAM
16	1"-8UNC X 3" HEAVY HEX HEAD GALV	BPA TIE BEAM
48	5/8"-11UNC X 2-1/2" LG HEAVY HEX HEAD GALV	115KV INSULATOR STAND
24	1/2"-11UNC X 2-1/2" HEAVY HEX HEAD GALVE	115KV CMU

NOTE: ALL BOLTS INCLUDE NUTS AND WASHERS