



PARTS LIST				
ITEM	QTY	PART NO.	MFR	DESCRIPTION
1	1	HND3800T33WS18	CUTL-HAM	800A MAIN BREAKER, SHUNT TRIP
2	2	HKD3400S18	CUTL-HAM	400A BREAKER, WITH SHUNT TRIP
3	4	KA29U	BURNDY	GROUND LUG, 250MCM
4				
5	1	C00SOE2AFB	CUTL-HAM	ASSY, TRANSFORMER/FUSE BLOCK, 50VA
6	2	100-102	ITI	CURRENT XFMR, 100-102
7	A/R	-	-	WIRE, #2AWG, UL
8	A/R	-	-	WIRE, #6AWG, UL
9				
10	A/R	-	-	CABLE, #14AWG, UL
11	A/R	-	-	CABLE, 1/0, UL
12	A/R	-	-	CABLE, 3/0, UL
13	A/R	-	-	CABLE, 350MCM, UL
14	3	BZ2RL711	MICRO-SW	DOOR SWITCH
15	1	1400-87	MARATHON	SHORTING BLOCK, 1604-SC
16	1	INTEGRA 0340	CROMPTON	METER, DIGITAL, 0-1000A, 0-500V
17	1	1406-02	FERRAZ	FUSE, FLM6/10, 0.6A/250V
18	2	1406-56	FERRAZ	FUSE, ATOR-3/10, 0.3A/480V
19	3	1406-57	FERRAZ	FUSE, ATMR-1, 1A/480V, QUIK BL
20	1	1406-58	FERRAZ	FUSE HOLDER, 3-POLE, 30323R
21	1	1501-77	ESL	ASSY, BUS BAR, 3"x3/8"x28", NICKEL PLATED
22	1	1501-78	ESL	ASSY, BUS BAR, 3"x3/8"x15", NICKEL PLATED
23	4	1700-59A	ESL	MODULE, R32-480-30-65SD-SP
24	2	1700-95AC	ESL	MODULE, R200-480-150-65MEY-SP
25	6	1700-97A	ESL	MODULE, R100-480-90-65SD-SP, MECH.
26				
27	2	69093	FERRAZ	PDB, 3P, 2 LINE/2 LOAD, #2-500MCM, 760A
28	2	TS33LN	CUTL-HAM	BREAKER, SHIELD, TERM, 400A, LINE
29	2	TS33LD	CUTL-HAM	BREAKER, SHIELD, TERM, 400A, LOAD
30	2	HM3R06X	CUTL-HAM	400A CB DISC. MECHANISM
31	1	HM5R06X	CUTL-HAM	800A CB DISC. MECHANISM
32	1	1003-80-12	ESL	ENCLOSURE, 12-GANG, POWER DIST.
33	4	CGFP1023	CROUSE-HI	FITTING, CON HUB, 4"NPT
34	A/R	-	-	CABLE, 4/0, UL

- NOTES:
- ALL CABLE TERMINATIONS TO BUS BARS WILL BE MADE WITH RING LUGS AS SPECIFIED IN BID DOCUMENTS BOM FOR THE CABLE SIZE REQUIRED.
 - ALL POWER MODULES HAVE INDIVIDUAL GROUND WIRES RUN TO THE GROUND BUS.
 - (2) GROUND LUGS ARE PROVIDED FOR EACH OF THE 400A PDB'S. THESE LUGS ARE WIRED TO THE GROUND BUS.
 - ALL INTERNAL CABLES AND WIRES ARE TO BE IN CONFORMANCE WITH NEC2002 TABLE 310.16, 75°C COLUMN, DERATED TO 40°C AMBIENT.
 - ALL INTERNAL CABLES WILL HAVE A MINIMUM INSULATION TEMPERATURE RATING OF 75°C.
 - THE BUS BARS WILL HAVE THE CAPABILITY TO ATTACH (4) 500MCM CABLES, TWO CABLES PER PHASE TO SUPPLY THIS PDS AND TWO CABLES THAT COULD SUPPLY A SECOND PDS.
 - THE (2) ACCESS DOORS FOR THE 400A BREAKER POWER DISTRIBUTION BLOCKS ARE INTERLOCKED TO THEIR RESPECTIVE BREAKERS. THE DISTRIBUTION RACK ACCESS DOOR IS INTERLOCKED WITH THE 800A MAIN BREAKER. A DOOR SWITCH IS CONNECTED TO THE BREAKER SHUNT TRIP.
 - THE DIGITAL AMMETER MONITORS ALL THREE PHASE CURRENTS USING (2) CURRENT TRANSFORMERS.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	ANGULAR
.XX ±.01	±1/2"
.XXX ±.005	

BREAK ALL SHARP EDGES
AND BURRS .005 - .010
DO NOT SCALE DRAWING

ESL ESL POWER SYSTEMS INC.
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CORONA, CALIFORNIA 92880
(951) 739-7020

SCALE	NTS	ENGR	DHC	APPR
DWN	JY	DATE	4/23/02	DATE

C	11/2/03	MJY	AS BUILT
B	10/1/03	JGR	APPROVED BY CUSTOMER
A	9/11/03	JY	APPROVED BY CUSTOMER
REV	DATE	BY	COMMENTS

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FINISH		12-Gang Power Distribution Station One-Line		
DIMENSIONS TO BE HELD AFTER PLATING AND HEAT TREATING	DIRECTORY REEFPART	SUB DIRECTORY 0900	DRAWING FILE 0900-84	SHT 1 OF 1