



SEE NOTE #10 ON SHEET DS-0.1

Standard Power Panel Equipment List					
Item	Tag	Description	Manufacturer	Model	Qty
1	ENC1	Enclosure, 60"H x 24"W x 18"D, Free-Stand Single Access; 3-Point Latch; 12 Gauge 304 SS, Type 3R, 4, 4X, 12	Hoffman	A602418SSFSM4	1
2	BPNL1	Enclosure, 60"H x 24"W, Back Panel w/ Mounting Channel, Painted Steel	Hoffman	A60P24F1	1
3	DRAIN	Enclosure, Drain Vent, H2OMIT, 2" L x 1.25" OD, 1/2" NPT/NPS, Corrosion-Resistant Poly., Type 4, 4x	Hoffman	AVDR4NM	1
4	DFNT	Enclosure, Dead Front, Swing-Out Panel Kit	Hoffman	ANADFK	1
5	DFNT	Custom Fab, Dead Front, 1/8" Thick Aluminum, 3/4" Lip on all Sides, X"H x Y"W (Specify X, Y in Detail)	Custom	CUS-AL-DF-1-X_Y	1
6	DFNT	Custom Fab, Dead Front, Hinge Bracket, 3/16" Thick Aluminum X"H x Y"W (Specify X, Y in Detail)	Custom	CUS-AL-DF-2-X_Y	1
7	BRK-STAND1	Custom Fab, Circuit Breaker, Stand, 1/8" Thick Stainless Steel, X"H x Y"W x Z"D (Specify X, Y, Z in Detail)	Custom	CUS-SS-BS-X_Y_Z	1
8	BRK-BRACKET1	Custom Fab, Door Bracket, QOU, 1/8" Thick Aluminum (ECUA Detail 4)	Custom	CUS-AL-DB-ECUA-03	1
9	HINGE-BRACKET1	Custom Fab, Hinged Stand-Off, Stop Side, 1/8" Thick Aluminum (ECUA Detail 1)	Custom	CUS-AL-HB-ECUA-01	1
10	HINGE-BRACKET1	Custom Fab, Hinged Stand-Off, Hinged Side, 1/8" Thick Aluminum (ECUA Detail 2)	Custom	CUS-AL-HB-ECUA-02	1
11	F1, F2	Fuse, Class CC, Fuse Holder, 3-Pole, 600V 30A	Bussmann	BC6033PQ	2
12	F1, F2, F5	Fuse, Class CC Fuse Holder Cover	Bussmann	SAMI-7N	7
13	F1, F2	Fuse, 13/32" x 1-1/2", Class CC, Fast Acting Rejection, 600V 1A, 200KAIR	Bussmann	KTKR-1	6
14	ENC3	Enclosure, 20"H x 20"W x 8"D, Screw Cover G-90 Galvanized Steel Type 3R Boxes	Hoffman	A20208GSC	1
15	MCB, ECB	Circuit Breaker, 3 Pole, 600V	Square D	See HP Table	2
16	MCB, ECB	Circuit Breaker, Door Mounted Rotary Handle	Square D	S29338	1
17	MCB, ECB	Circuit Breaker, Mechanical Interlock for H & J Frame	Square D	S29354	1
18	CB-SA	Circuit Breaker, 150A Frame, H-Frame 3 Pole, 600V 30A 60Hz 18KAIR @ 480V, Line-(1) #14-3/0 AWG Load-(1) #14-3/0 AWG	Square D	HDL36030	1
19	CB-P1, CB-P2	Circuit Breaker, 3 Pole, 600V	Square D	See HP Table	2
20	CB-P1, CB-P2	H & J Frame Circuit Breaker Locking System	Square D	S29371	2
21	GFMI, GF2	Ground Fault Module, for Circuit Breaker, 150A Frame, 15-150A	Square D	GFMI150HD	2
22	CB-XF-PRI	Circuit Breaker, 150A Frame, H-Frame 2 Pole, 600V 50A 60Hz 18KAIR @ 480V, Line-(1) #14-3/0 AWG Load-(1) #14-3/0 AWG	Square D	HDL26050	1
23	CB-XF-SEC	Circuit Breaker, Miniature QOU, 2 Pole, 240V 20A 60Hz 10KAIR, Line-(1) #14-2 AWG Load-(1) #14-2 AWG	Square D	QOU260	1
24	CB1, CB8	Circuit Breaker, Miniature QOU, 2 Pole, 240V 20A 60Hz 10KAIR, Line-(1) #14-2 AWG Load-(1) #14-2 AWG	Square D	QOU1220	2
25	CB2, CB3, CB6, CB9	Circuit Breaker, Miniature QOU, 1 Pole, 240V 10A 60Hz 10KAIR, Line-(1) #14-2 AWG Load-(1) #14-2 AWG	Square D	QOU120	4
26	CB10, CB11	Circuit Breaker, Miniature QOU, 2 Pole, 240V 10A 60Hz 10KAIR, Line-(1) #14-2 AWG Load-(1) #14-2 AWG	Square D	QOU210	2
27	CB4, CB5, CB7	Circuit Breaker, Miniature QOU, 1 Pole, 240V 10A 60Hz 10KAIR, Line-(1) #14-2 AWG Load-(1) #14-2 AWG	Square D	QOU110	3
28	F3, F4, F6, F7	Fuse, 1/4" x 1-1/4", Fuse Holder, 100-300VAC w/ Indication	Allen Bradley	1492-H4	4
29	F3, F4, F6, F7	Fuse, 1/4" x 1-1/4", Fuse Holder, 1492-H, End Cover	Allen Bradley	1492-N37	1
30	F3, F4, F6, F7	Fuse, 1/4" x 1-1/4", Fast acting, 250V 3A	Bussmann	AGC-3	4
31	F5	Fuse, Class CC, Fuse Holder, 1-Pole, 600V 30A	Bussmann	BC6031PQ	1
32	F5	Fuse, 13/32" x 1-1/2", Class CC, Fast Acting Rejection, 600V 6/10A, 200KAIR	Bussmann	KTKR-6/10	1
33	GEN REC	NEMA 4X Generator Receptacle	Appleton	See HP Table	1
34	GND	Ground, Bar 15 Points, w/ #1-4/0 AWG Copper Lug	Square D	PK15GTA-L	1
35	PDB1, PDB2	Power Distribution Block	Square D	See HP Table	2
36	PDB1, PDB2	Power Distribution Block Cover	Square D	See HP Table	2
37	NEU	Power Distribution Block	Square D	See HP Table	1
38	NEU	Power Distribution Block Cover	Square D	See HP Table	1
39	PDB3	Power Distribution Block	Square D	See HP Table	1
40	PDB3	Power Distribution Block Cover	Square D	See HP Table	1
41	PM1	Power Monitor, PAC3100 Model	Siemens	7KM3133-0BA00-3AA0	1
42	CT1-CT3	Secondary Surge Arrester, 40kA/Phase, 50/60Hz, Type 4x	Square D	See HP Table	3
43	PM2	Relay, Phase Monitor	Time Mark	See HP Table	1
44	PM2	Relay, 8-Pin Tubular Socket, 600V 10A #22-12 AWG	ABB	OT08PC	1
45	SA1	Surge Arrester Type 2	SSI	See HP Table	1
46	XF1	Transformer, Sealed Single Phase General Purpose, 480V/240-120V 10kVA, S.S., NEMA Type 3R	Square D	10S1FSS	1
47	PDB4	Power Distribution Block, 3-Pole, 600V 115A 10KA Sym., Line-(1) #14-2 AWG Load-(4) #18-10 AWG	Square D	9080LBA361104	1
48	RECPT1	Receptacle, Heavy-Duty Spec Grade Single Receptacles, Back & Side Wire, 20A, 250V, Ivory	P&S	58711	1
49	RECPT2	Receptacle, Duplex GFCI w/ Cover, 125VAC 20A	P&S	2094-1	1
50	RECPT1, RECPT2	Enclosure, INTERSAFE® Data Interface Ports - Blank, SS Type 4, 4X, 12	Hoffman	HIDRPS-MOD	1
51	RECPT1, RECPT2	Electrical Box, Handy Boxes, 4"H x 2-1/8"W x 1-7/8"D, Side Knockouts (8) 1/2", Bottom Knockouts (2) 1/2", Metallic	Appleton	4CS-1/2	2
52	R1	Relay, 11-Pin Tubular, General Purpose Relay w/ Ind Light, Coil 120VAC 3.0VA, 120/240VAC 10/6.5A, 3PDT	Square D	8501KP13P14V20	1
53	R1	Relay, 11-Pin Tubular Socket, 300V 10A Accepts up to 2 #14 AWG	ABB	NDS-11	1
54	PS1, PS2	Power Supply, QUINT-PS-100-240AC/24DC/10, Input 100-240VAC 60Hz 275VA; Output 24VDC 10A	Phoenix Contact	2938604	2
55	LS1	Switch, Intrusion Alarm, Momentary On, Maintained Off, 3/4A SPST N.C.	NSI	76030PS	1
56	TBPP, TBCT1	Terminal Block, UT 4, Feed Through Terminal, 600V 30A 26-10AWG, Grey	Phoenix Contact	3044102	34
57	TBPP	Terminal Block, UT 4-PE, 26-10AWG, Green/Yellow	Phoenix Contact	3044128	11
58	TBPP, TBCT1	Terminal Block, D-UT 2,5/10, End Cover, Grey	Phoenix Contact	3047028	2
59	TBCT2	Terminal Block, UTME 6, Test Disconnect Terminal, 600V 30A 24-8AWG, Grey	Phoenix Contact	3047400	6
60	TBCT2	Terminal Block, C-ME 6/2, Connecting Bridge, Orange	Phoenix Contact	3034442	3
61	TBCT2	Terminal Block, SB-ME 2-8, Switching Jumper, Grey/Orange	Phoenix Contact	3034468	3
62	TBCT2	Terminal Block, D-UTME 6, End Cover, Grey	Phoenix Contact	3047426	1
63	TBAC	Terminal Block, UT 4-QUATTRO, 4 Connection Points Feed Through Terminal, 150V 30A, #26-10AWG	Phoenix Contact	3044571	10
64	TBAC	Terminal Block, D-UT 2.5/4 QUATTRO, End Cover, Grey	Phoenix Contact	3047170	2
65	- - -	Terminal Block, End Clamp, E/NS 35 N	Phoenix Contact	800886	8

**Instructions:**  
Include for FVNR & RVSS systems,  
remove for VFD systems.

**Instructions:**  
Include for 480V systems,  
remove for 208V/240V systems.

**Instructions:**  
Choose appropriate  
Horsepower Equipment List  
from DS-14.2; and insert here.

Control Ratings			
Device	Rated Voltage	Rated Current	Coil Rating
TB1 (17, 18)	240V	10	N/A
TB1 (21, 22)	30V	1	N/A
TB1 (23, 24)	250V	0.25	N/A

Wiring Color Code Table	
Description	Color
AC Power Line	Black
AC Power Neutral	White
Ground	Green
120VAC Control	Red
24VAC Power / Control	Orange/Black
24VAC Neutral	White/Yellow
DC 24 +	Orange
DC 24 -	Brown
DC +15V or Less	Purple
DC -15V or Less	Gray
Foreign Voltage	Yellow
Intrinsically Safe	Blue

Generator Receptacle ENC4 Equipment List					
Item	Tag	Description	Manufacturer	Model	Qty
1	ENC4	Enclosure, 16"H x 12"W x 8"D, Concept, Wall-Mount 1 Door, Quarter Turn, SS, Type 3R,4,4X,12	Hoffman	CSD16128SS	1
2	CON ASY	Conduit, Coupling, 2", Rigid Galvanized	Graybar Vendor	2-GALV-COUP	1
3	CON ASY	Conduit, Reducing Bushing, 2" to 1-1/2", Steel	Crouse-Hinds	281	1
4	CON ASY	Gasket, Liquidtight Sealing, 2", 316 Stainless Steel Retainer, Santoprene Sealing	Thomas & Betts	5267	2
5	CON ASY	Connector, Black Beauty, Liquidtight Strain Relief Cord, 1-1/2", Threaded, 1.390 - 1.650 Inch, Nylon	Thomas & Betts	2707	2
6	CON ASY	Seal, Sealing Ring With Retainer, 1-1/2", Santoprene Thermoplastic Rubber	Thomas & Betts	5306	2
7	CON ASY	Locknut, 1-1/2", Threaded, Stainless Steel	Thomas & Betts	145-SST	2
8	CON ASY	Conduit, Insulated Bushing, 1-1/2", Threaded, Thermoplastic	Thomas & Betts	BU505	2
9	CON ASY	Conduit, Liquid-Tight Flexible Metal Conduit, SEALTITE® Type UA, 2", UL Listed	ANAMET Electrical, Inc.	LTUA 2	24"
10	CON ASY	Conduit, Fitting, Liquid-Tight, 90° Elbow, 2", Zinc Die Cast	Cooper Crouse Hinds	LT20090DC	2