

Date of Test:

Alfred Needler

Megger Readings

Generators*

Port #1 SSDG		Emergency	
Stbd #2 SSDG		Trawl DC Gen	

Main Switchboard: 115 volt *

Blank		Nav. Light Panel	
Misc. Equip. Panel		W/H Light Panel #1	
Foscle Deck L Panel-2		Shelter Deck Panel #3	
Main Deck L Panel-4		Main Deck Panel #5	
Lower Deck L Panel-6		E/R Light Panel #7	
Panel MPP-2 and Microwave plug		ISIS UPS	

Main Switchboard: 230 volt*

Toaster Upper		Toaster Lower	
H.W. Heater for Dishwasher		Convection Oven	
Scientific Freezer		Domestic Freezer	
Domestic Cooler		MPP-1 panel	

Emergency Switchboard 115 V from 112.5kw Transformer*

Amplifier		Control LBD Serv panel	
Nav Light Panel		ESS panel #4	
SSB/CH50 rack		ESS panel #3	
X-band radar		ESS panel #2	
Nav Aids panel 2		W/H ESS panel #1	
Nav Aids panel 1		Radio Battery Charger	
Trans Rm Power panel		Nav Aids panel 3	

Main Switchboard 460 V*

460/230v 3x10kva Transformer		Trawl winch Control pan	
Steering Gear #2		460/115V 3x15kva Trans	
ESS MCC #3 & E/R Vent		Motor Control #1ESS	
G S & Fire pump No. 1		Electric Furnace No 1	

Emergency Switchboard ESS 460 V*

Dom F.W. Pump		Sanitary Sea Water pump	
Gen Serv Pump #2		Schat Davit Power Supply	
Bilge Pump		#2 CPP Pump	
Blank		Space	
Port Steering Pump		Space	
M/E Standby S.W. Pump		To 120v Distribution Transformer	

Main Switchboard 460 V Non-ESS

Cont panel Bag lift winch		Non-ESS MCC #2	
Galley pwr distr. Panel #1		Non-ESS #1 vent fans	
Spare		Net Transducer winch	

ESS MCC #1

CPP Pump		Fuel oil transfer	
Steer compt bilge pump		Domestic F.W. pump	
Lrg. F/O purifier		Domestic S.W. pump	
Day tank transfer pump		Winch pilot pump	
Fuel oil purifier		Wave trap power pack	
Air compressor #2			

ESS MCC #2

Stby Air compressor #1		A/C unit control lab	
M/E Jkt water heater port		Boiler H.W. circ pump	
Stby M/E gearbx L/O pmp		F/O Cooler	
Stby M/E F.W. Pump		Anchor windlass	
Freezer cooling Compress		A/C S.W. Circ pump	
E/R Heaters		A/C unit M/E Contr Rm	
Spare			

ESS MCC #3

E/R Supply Fan		E/R Exhaust Fan	
Combustion Supply Fan		Exhaust Fan Steering Flat	
Variable Speed E/R Fan			

Non-ESS MCC #1

Accommodation fan (aft)		Toilet exhaust fan (aft)	
Accomm supply fan (fwd)		Toilet exhaust fan (fwd)	
Galley Exhaust		Winch control rm fan	

MCC #2 Non-Essential

Spare		Fresh Water Generator	
Spare		Spare	
Spare		Drain Tank Dis Pump	
Conveyor Wet Lab Fwd		Conveyor Wet Lab Aft	
Heaters Rec Room		Spare	
Heaters Domestic Aft		Heaters Domestic Fwd	

MCC #4

Stby M/E L/O pump			
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Navigation Light Panel W/H

Port		
Stbd		
Fwd Mast		
Aft Towing		
Aft Mast		
Fwd Towing		
Stern		

Fishing Light Panel

Green Trawl		NUC & Fish Red	
White Trawl & Anchor		NUC & Fish Red	
Fishing White		Anchor Lgt. Aft	

W/H Nav Aids panel #1

Auto pilot lighting		Spare	
Gyro compass	Electronics	Net sounder trawl winch	
UHF-DF	Electronics	Satellite nav	
RDF-GR2672 (salt)	Electronics	Wind speed indicator	
Loran C	Electronics	Hy nav decca LC	
Weather fax jax	Electronics	Depth ind. echo sounder	Electronics

Nav Aids panel #3

Mag compass lighting		Heated window #8	
Aft Mast Aft Floods		Heated window #29	
Heated window #2		Wiper deice htr wind #5	
Heated window #5		Washer	
Heated window #6		S band rdr scanner cont	
S band radar S & turn gear		Spare	

Nav aid panel #2

2090	Electronics	Searchlight	
EK-38-S recorder	Electronics	UHF/FM	Electronics
EM-38-S CY display	Electronics	G.A. Battery charger	
Scientific telephone sys	Electronics	Clearview screens	
UHF/AM bendix	Electronics	Clearview screens	
Loud halier & talkback	Electronics	UHF/FM ME	Electronics
Electric clocks		Net sounder recorder	Electronics
Log PDU 1-2 box	Electronics	Spare	
Fire & alarm system	Electronics	Unknown	
Trawl brake & temp sensor		Unknown	
Searchlight			

Light & Power panel #1

W/H receptacle		W/H lights	
W/H receptacle		Foscle deck lights aft	
W/H deck lights		Deck light P&S gantry	

ESS lights & Power panel #1

W/H & chart rm lights		Watertight door indicator	
Aft mast flood lights (aft)		Fishing light panel	
Fwd mast flood lights		Recept chart tbl & fwd con	
Aft mast flood lights (fwd)		Flume tank dump	
Emrg lgt W/H & foscle con		Unknown	

Light & Power panel #2 Foscle Dk

Lgts capt & ch scientists		Recept P&S foscle dk aft	
Lgts control lab & O lab		Eltrc htr captain's cabin	
Lgts foscle deck passage		Spare	
Capt & ch scientist outlets		Eltrc htr ch scientist cabin	
Recept foscle pass & O lab			

Control lab panel foscle dk 115v/3ph**60 hz****120 hz**

Spare equip rack #1		Spare	
Spare equip rack #2		Digital btm (2)depth ind	
Windspeed & direction ind		XBT recorder	
Airsea temp ind & recorder		Echo sounder transmitter	
Sat nac crt		Spare	
EK400		Spare equip rack #2	
Net sounder recorder		Spare equip rack #2	
Echo sounder (fish finder)		Spare equip rack #3	
Scientific echo sounder		Spare equip rack #3	

Control & oceanographic labs

Recept oceanographic lab		Receptacle control lab	
Recept oceanographic lab		Receptacle control lab	
Recept oceanographic lab		Receptacle control lab	
Receptacle control lab		Atkinsons system	
Receptacle control lab		UPS	

Light & Power panel #3 Shelter dk

Lgts 2 scientist & WR		Lgts TW rm,fan rm, E/R	
Lgts shelter dk passageway		Recept shelter dk pass E/R	
Scientist outlets port		Deck recept shelter dk	
2 scientist outlets P&S		Lights fishing deck	
2 scientists outlet stbd		C/O solenoid SW net drum	

ESS lights & Power panel #2

Lgts,TW cont,hbr,gen rm		Battery charger gen rm	
Emerg lgts shelter deck		Receptacle W control rm	
Anchor windlass heater		HTDR block indicator	
Lights port &stbd stairs		Hyd cooling net winch	
Hbr generator jkt water htr		Speed log	

M/D light & Power panel #4

Wet lab & fan rm lights		Antenna DS amp	
Wet lab lights		Recept SCI repair (aft)	
Dry lab,dk lkr, stair lights		Dgtl dept ind P&S Hiab Con	
Str compt net strs SCI lgts		Recept SCI repair (mid)	
Recept,gallry strs, cool lgt		Recept SCI repair (fwd)	
Galley lights		Sat nav dry lab	
Mess rm lights		11000 recorder dry lab	
Main dk passageway light		Fish flap wave trap sole	
Recept main dk pass & gall		Freezer alarm	

ESS light & Power panel #3

M/D,wetlab,str compt lgts		Baglift heater	
M/D pass, mess, galley lgts		Capstan #2 heater	
Emergency lgts M/D pass		Generator #2 water heater	
Generator #1 water heater		T-W cubical heater	
Flood lgt port & capstan htr		Spare	

Lights & Power panel #5

Ch , 2 nd ,3 rd Eng & 2 nd offic		2 twiners & 2 twiners outlet	
2 nd & 3 rd Engineer outlets		Cook & 2 nd ,stew,bosun out	
Ch officer & Ch Eng outlet		Accommodation lights	
Spare		Recept M/D pass & E/R cas	
2 nd officer,2 twiners outlets		Spare	
2 oilers & 2 twiners outlets		Spare	

Wet & Dry Labs panel

Receptacle & tank alarm		Receptacle dry lab	
Receptacle wet lab		Dry lab rack outlets	
Receptacle dry lab		Dry lab outlets	

Light & Power panel #6

Lounge lights		Lounge lights	
Lower deck aft lights		Dehumid & unit htr lwr dk	
Lounge receptacles		Aft fld stbd recept, str com	
Coffee range		Deep freezer in stores	

Galley Power panel

Mixer		Clothes dryer	
Vegetable peeler		Iron	
Can opener		Dishwasher	
Coffee maker		Coffee range (mess)	
Refrigerator		Sandwich unit	
Waterfountain E/R,lounge		Spare	

Galley Power panel

Range		Bake oven	
Range		Orca	
Fryer		Overboard discharge	

ESS light & Power panel

M/E exhaust fan		Winch gen clutch control	
E/R battery charger		Boiler #1	
E/R & workshop lights		H/W circulation pump	
E.C.R.tunnel & Emerg lt		MCC lighting	
Rotat lgt halon DS& TB		Chlorinator control apnel	

MPP-1 Engine Room (fwd)

Hot food table		S/W deck wash pump	
Spare		Spare	
Aldy 8 supply		Spare	
Propulsion sys pwr suppl		Spare	
Welding machine			

MPP-2 Engine Room (fwd)

Engine rm unit heaters		Engineer's W/S fwd	
Circulating heating pump		H/W circ evap pump	
Oily Water Separator		Cathode C-2000	

Transducer Room panel

Sq4 sonar	Electronics	Speed & dist log #2 P&S	
EK 38 sounder		Speed & dist log #1 F&A	
Grey water pump		Sewage tank alarm	

Lights & Power panel #7

Engine rm lights		ECR recept & air dryer	
Engine rm receptacle		Desalinator C/P	
Receptacle engineer W-S		Blue alarm lights	
Engine rm receptacle		Fwd eng rm & workshop	
Tunnel lights		#2 boiler	
Hydraulic clutch			