WATERBOARD NAME

FAULTS AND RECOMMENDATIONS REPORT

Part revised document only

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INTRODUCTION

The purpose of this report is to highligh	ght any faults or make suggestions that could lead to a reduction in downtime due to breakdowns. To do this we visited all	the
sites taking picture and making notes.	We then used that information to compile this report. Details of faults or suggestion are shown with each photo.	

WATERBOARD SITE

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins
1	2011 013	Exterior and Interior Clean Including Vacuum out of Board Repair any vermin holes etc.	60 60
2	Screen Clipping From Photo 2011 040	Remove pink screwed connectors and tidy up wiring by either installing terminals were required or reinstating wiring on relays. Reconnect/Remove any redundant wiring on control relays.	60

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins
3	2011 053	Label single pole circuit breakers.	20
4	2011 054	Exterior and Interior Clean Including Vacuum out of Board	30
		Repair any vermin holes etc.	30

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
5	2011 056	Label Circuit Breakers. Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	20 60
6	2011 061	Tidy up wiring and install duct covers	30

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
9	2011 070	Remove pink screwed connectors and tidy up wiring by either installing terminals were required or reinstating wiring on relays. Reconnect or remove any redundant wiring on control relays.	60
10	2011 022	Label unlabelled wiring in accordance with electrical drawings were ever Possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	240

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
11	Screen Clipping From Photo 2011 024	Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	30
12	Screen Clipping From Photo 2011 027	Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	30

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
11	2011 033	Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	60
	TOTAL ESTIMATED TIME IN MINUTES		790
	TOTAL ESTIMATED TIME IN HOURS		13

Item	Photo	Description Of Work To Be Under Taken	Est.Time (Mins)
1	2011-082	Exterior and Interior Clean Including Vacuum out of Board	60
		Repair any vermin holes etc.	30
	Wongrasy, Part Condition The Condition of the Condition		
2	2011-086	Tidy up wiring install duct covers and clean dust of VSD's	60
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Item	Photo	Description Of Work To Be Under Taken	Est. Time (Min)
3	2011-087	Tidy up wiring and install duct covers.	30
4	2011-096	Install sleeving for shields on dekoron cables.	20
		Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include any changes.	20

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
5	2011-090	Exterior and Interior Clean Including Vacuum out of Board	20
	2011-103	Repair any vermin holes etc. if required.	20
6		Exterior and Interior Clean Including Vacuum out of Board	90
		Repair any vermin holes etc. if required.	10

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
7	Screen Clipping From Photo 2011-104	Tidy up wiring and install duct covers. and remove rubbish. Remove any rubbish.	90
		Loom up wiring to HMI on the door.	15
8	2011-106	Tidy up wiring and install covers. Remove any rubbish.	30

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
9	2011-109	Exterior and Interior Clean Including Vacuum out of Board	20
		Repair any vermin holes etc. in required.	5
		Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	15
10	2011-111	Exterior and Interior Clean Including Vacuum out of Board	20
		Tidy up wiring, reinstate/install new duct covers.	30
		Repair any vermin holes etc. in required.	15
		Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that	30
		the electrical drawings are updated to include changes.	

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
11	Screen Clipping From Photo 2011-114	Remove connector and tidy up wiring. Reconnect earth wire to door.	15 10
12	Screen Clipping From Photo 2011-115	Plug in terminal plug, clean of dust and remove rubbish.	15

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
13	2011-128	Tidy up wiring, reinstate/install new duct covers and remove rubbish.	20
		Label relay in accordance with electrical drawings.	10
		If the relays are not shown on the electrical drawings it is recommend that	
		the electrical drawings are updated to include changes.	
14	Screen Clipping From Photo 2011-129	Tidy up wiring and install duct covers. Remove any rubbish.	20
	Powerflag	Label VSD's in accordance with the electrical drawings. If the VSD's are not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	10

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
15	2011-075	Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	30
16	Screen Clipping From Photo 2011-077	Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes. Install cable duct and tidy up wiring.	20

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
17	2011-117	Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	45
18	2011-118	Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	20

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
19	2011-120 TELEMETRY	Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	20
20	2011-121	Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	20
	TOTAL ESTIMATED TIME IN MINUTES		900
	TOLTAL ESTIMATED TIME IN HOURS		15

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
1	2011-143	Exterior and Interior Clean Including Vacuum out of Board	180
		Repair any vermin holes etc. if required	20
		Change fan filters	15
		Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	120
2	2011-144	Tidy up wiring, install duct covers and remove rubbish.	90
		Where connectors are used, connectors are to be removed and wiring cleaned up. E.g. terminals installed or wires lengthened etc. Any redundant wiring is to be removed. Inspect board for vermin holes etc.	10

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
3	2011-148	Exterior and Interior Clean Including Vacuum out of Board	30
		Repair any vermin holes etc. if required.	15
		Install duct covers remove rubbish.	15
		Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	10
4	Screen Clipping From 2011-151 Die lec Commun Chapter	Remove redundant wires from battery and install second battery.	10

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
5	2011-158	Tidy up wiring and install duct covers.	20
6	2011-155	Tidy up wiring and install duct covers.	15

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
7	Screen Clipping From Photo 2011-155	Remove connector and tidy wiring. E.g. install terminal, lengthen wires.	10
8	2011-165	Tidy up wiring, install duct covers and remove rubbish. Where connectors are used, connectors are to be removed and wiring cleaned up. E.g. terminals installed or wires lengthened etc. Any redundant wiring is to be removed.	180

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
9	2011-166	Refer to item 8.	
10	2011-167	Refer to item 8.	

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
11	2011-170	Refer to item 8.	
12	2011-179	Label the circuit breakers which are missing labels.	10

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
13	2011-182	Exterior and Interior Clean Including Vacuum out of Board	30
		Repair any vermin holes etc. if required.	5
	TOTAL ESTIMATED TIME IN MINUTES		780
	TOLTAL ESTIMATED TIME IN HOURS		13

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
1	2011-184	Exterior and Interior Clean Including Vacuum out of Board	30
		Repair any vermin holes etc. if required.	20
		Change fan filters	20
		Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	20
	TOTAL ESTIMATED TIME IN MINUTES		100
	TOLTAL ESTIMATED TIME IN HOURS		1.6

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
1	2011-248	Exterior and Interior Clean Including Vacuum out of Board	60
	HI TIET	Inspect board for vermin holes etc. plug if required	10
		Install duct covers remove rubbish.	10
		Replace fan Filters	15
2	2011-254	Tidy up wiring and remove any redundant wiring.	30

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
5	2011-259	Refer to item 3 regarding cleaning.	
6	2011-260	Refer to item 3 for cleaning Tidy up wiring and install duct covers. Remove any rubbish.	15
	TOTAL ESTIMATED TIME IN MINUTES		320
	TOLTAL ESTIMATED TIME IN HOURS		5.33

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
1	Screen Clipping From Photo 2011-189	Exterior and Interior Clean Including Vacuum out of Board	40
	₩ .	Repair any vermin holes etc. if required.	10
		Recommend that incandescent indicator lamps be replaced with LED indicator lamps.	30
2	2011-191	Tidy up wiring and install duct covers.	30
		Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	20

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
3	2011-192	Install din rail and mount PLC onto din rail.	30
4	2011-194	Install labels for the circuit breakers.	10

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
5	2011-199	Tidy up wiring and install duct covers.	30
	2011-200	Remove connectors where used and install terminals or lengthen wires. Remove any redundant wiring.	15
6	2011-200	Refer to item 5.	

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
7	Screen Clipping From Photo 2011-201	Sleeve shield and terminate/tidy up wiring.	15
		Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	20
8	2011-202	Tidy up (replace if required) and label HMI cabling.	20
		Label unlabelled wiring in accordance with electrical drawings were ever possible. If the wiring is not shown on the electrical drawings it is recommend that the electrical drawings are updated to include changes.	10

Item	Photo	Description Of Work To Be Under Taken	Est. Time (Mins)
9	Screen Clipping From Photo 2011-202	Replace black building wire with brown to match existing wiring.	15
10	2011-237	Tidy up wiring by clipping wiring to door	10
	TOTAL ESTIMATED TIME IN MINUTES		305
	TOLTAL ESTIMATED TIME IN HOURS		5.08