

Date 6th Nov 2009

Project St Margaret  
 Engineer M  
 File Z:\Hevacomp\4282 St Margaret\

Project no. 4282  
 Date checked

Checked by

Reference	DB PLANT
Served by	DBC
Description	
Number of ways	8
Board device type	Eaton, EATON MEMshield MCB Type B 6kA
Incomer	Generic, Isolator
Phases	3

Circuit ref	Device size (A)	Design length	Cable size	Cable type	Circuit type	Maximum length	CPC type	RCD used	Description
1 L1	32*	5.0	1 x 2 core x 10*	XLPE/swa M	Fixed power	210.9	Separate	No	Mechanical Control Panel
1 L2	-	-	-	-	Spare	-	-	-	-
1 L3	-	-	-	-	Spare	-	-	-	-
2	10*	40.0	1 x 4 core x 2.5*	XLPE/swa M	Fixed power	282.9	Separate	Yes	Pumping Station
3 L1	-	-	-	-	Spare	-	-	-	-
3 L2	32	40.0	1 x s/core x 2.5	XLPE single	13A ring	258.1	Separate	Yes	Under Floor heating
3 L3	32	15.0	1 x s/core x 2.5	XLPE single	13A ring	103.8	Separate	Yes	Plant room ring
4	10*	45.0	1 x 4 core x 2.5*	XLPE/swa M	Fixed power	69.9	Separate	Yes	External Air source heat pump
5 L1	-	-	-	-	Spare	-	-	-	-
5 L2	32	15.0	1 x s/core x 2.5	XLPE single	13A ring	103.8	Separate	Yes	Irrigation System/Passivent
5 L3	32	15.0	1 x s/core x 2.5	XLPE single	13A ring	103.8	Separate	Yes	Water Booster/Heating Pumps
6	-	-	-	-	Spare	-	-	-	-
7 L1	-	-	-	-	Spare	-	-	-	-
7 L2	-	-	-	-	Spare	-	-	-	-
7 L3	-	-	-	-	Spare	-	-	-	-
8 L1	-	-	-	-	Spare	-	-	-	-
8 L2	-	-	-	-	Spare	-	-	-	-
8 L3	-	-	-	-	Spare	-	-	-	-

\* denotes fixed size

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Reference	DBC
Served by	Main MCCB PANEL
Description	
Number of ways	12
Board device type	Generic, MCB type C (BS EN 60898) 17th
Incomer	Generic, Isolator
Phases	3

Circuit ref	Device size (A)	Design length	Cable size	Cable type	Circuit type	Maximum length	CPC type	RCD used	Description
1 L1	10*	20.0	1 x s/core x 1.5*	XLPE single	Lighting	35.3	Separate	No	Classroom 2
1 L2	10*	40.0	1 x s/core x 2.5	XLPE single	Lighting	57.6	Separate	Yes	Plant Rm/External
1 L3	10*	20.0	1 x s/core x 1.5*	XLPE single	Lighting	35.3	Separate	No	Classroom 3
2 L1	10*	25.0	1 x s/core x 1.5*	XLPE single	Lighting	57.1	Separate	Yes	Group Rm/WC
2 L2	10*	40.0	1 x s/core x 2.5	XLPE single	Lighting	55.0	Separate	No	Open group area
2 L3	10*	25.0	1 x s/core x 1.5*	XLPE single	Lighting	57.1	Separate	No	Group Rm
3 L1	10*	35.0	1 x s/core x 1.5*	XLPE single	Lighting	35.3	Separate	No	Classroom 2
3 L2	10*	30.0	1 x s/core x 1.5*	XLPE single	Lighting	82.4	Separate	No	Open group area 2
3 L3	10*	35.0	1 x s/core x 1.5*	XLPE single	Lighting	35.3	Separate	No	Classroom 4
4 L1	-	-	-	-	Spare	-	-	-	-
4 L2	10*	35.0	1 x s/core x 1.5*	XLPE single	Lighting	35.3	Separate	Yes	External Lighting
4 L3	-	-	-	-	Spare	-	-	-	-
5 L1	32	20.0	1 x s/core x 2.5	XLPE single	13A ring	103.8	Separate	No	Data Cabinet
5 L2	10*	35.0	1 x s/core x 1.5*	XLPE single	Lighting	35.3	Separate	Yes	External Lighting
5 L3	-	-	-	-	Spare	-	-	-	-
6 L1	32	35.0	1 x s/core x 2.5*	XLPE single	13A ring	103.8	Separate	No	Classroom 2
6 L2	32	30.0	1 x s/core x 2.5	XLPE single	13A ring	210.1	Separate	Yes	Open plan area
6 L3	32	35.0	1 x s/core x 2.5*	XLPE single	13A ring	103.8	Separate	No	Classroom 3
7 L1	32	35.0	1 x s/core x 4*	XLPE single	13A ring	110.0	Separate	Yes	Disabled WC PSU/HD
7 L2	20	35.0	1 x 2 core x 2.5	FP200	Radial 13A sockets	187.9	Separate	No	Fire Alarm Panel
7 L3	32	35.0	1 x s/core x 2.5*	XLPE single	13A ring	210.1	Separate	No	Group Rm
8 L1	32	35.0	1 x s/core x 2.5	XLPE single	13A ring	69.5	Separate	No	Group Rm 2 Ring/w.c wh
8 L2	20*	35.0	1 x s/core x 2.5	XLPE single	Radial 13A sockets	178.0	Separate	No	Corridor-Security
8 L3	32	45.0	1 x s/core x 2.5	XLPE single	13A ring	103.8	Separate	No	Classroom 4
9 L1	32*	45.0	1 x s/core x 2.5	XLPE single	13A ring	103.8	Separate	No	Classroom 1
9 L2	20*	15.0	1 x s/core x 4*	XLPE single	Fixed power	36.9	Separate	Yes	Plant room Water Heater

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9 L3	10	35.0	1 x s/core x 4	XLPE single	Fixed power	49.9	Separate	No	Water Heater, Classroom4
10 L1	10	35.0	1 x s/core x 4	XLPE single	Fixed power	49.9	Separate	Yes	Water Heater, Classroom1
10 L2	-	-	-	-	Spare	-	-	-	-
10 L3	-	-	-	-	Spare	-	-	-	-
11	20*	30.0	1 x 4 core x 2.5	XLPE/swa M	Fixed power	31.8	Armour	No	Air Curtain
12	40*	1.0	1 x 4 core x 25*	XLPE/swa M	Sub-main	-	Separate	No	DB PLANT

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