Cliffs of Moher Visitor Centre Manager Greg Davidson

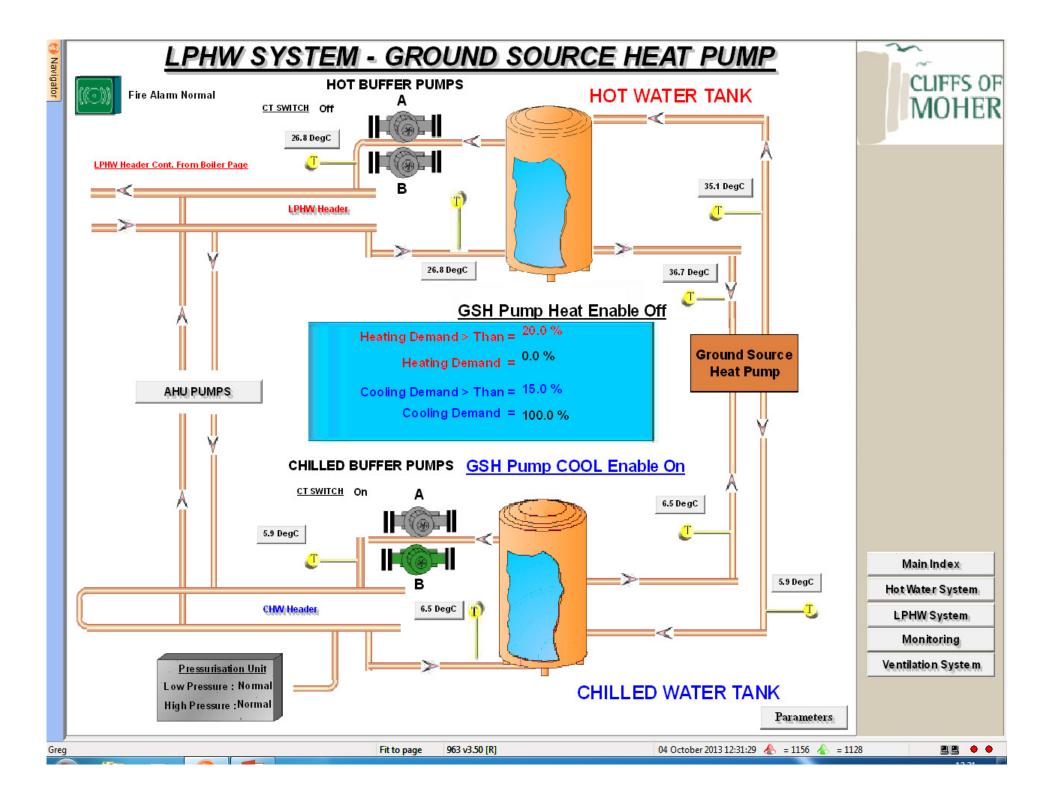
Installer Dunstar, and John Horgan & Son



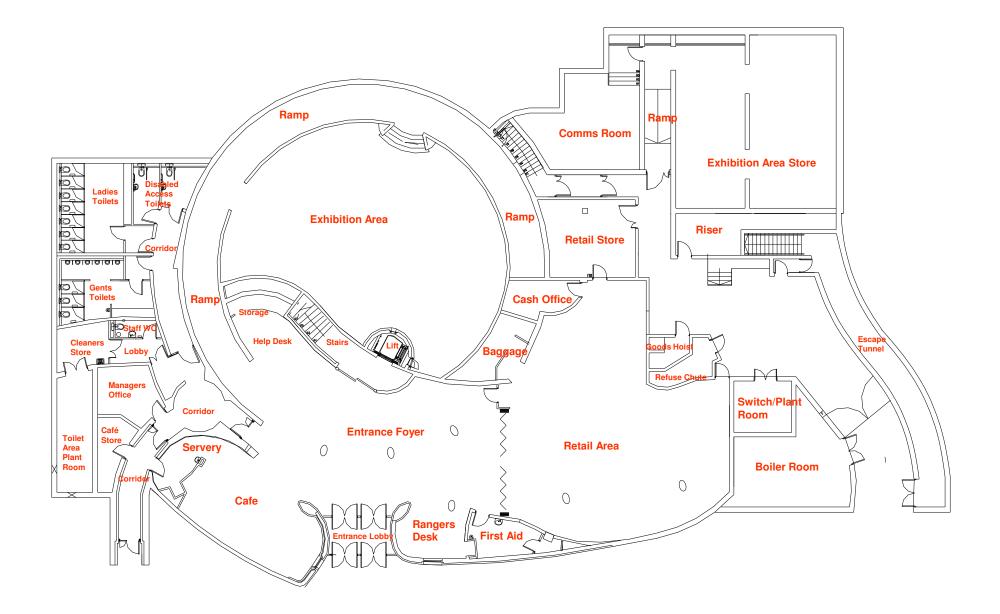


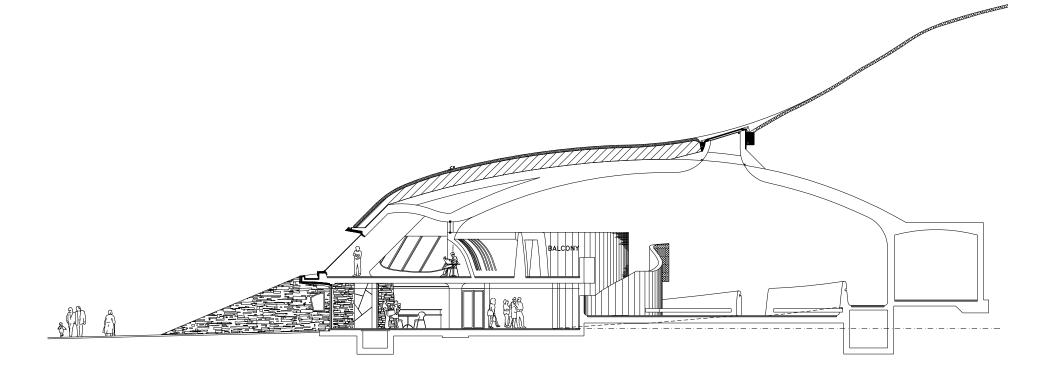
PRODUCT CODE	
MODELLO RWC	170 PED R407C
CE	15
OdL 77817344	
MATRICOLA	
SERIAL NUMBER	2761812103
ANNO DI COSTRUZIONE CARICA REFR.	2006
REFRIGERANT CHARGE RA	CIRCUITO 1 2 3 4 407C Kg 8.5 8.5
ALTA PRESSIONE	
HIGHT PRESSURE	(max) bar 28
BASSA PRESSIONE	(max) bar 18.6
ALIM. POTENZA	V/PH/Hz 4/.0 3 50
CORRENTE DI SPUNT	10 (max) a
CORRENTE A PIENO (206
774	108
DEN RBITA	(max) Kw 60
PRESS. ESERC.ACQUA	(max) bar 10
WATER OPERATION PRESSUR	
MASS	(max) Kg 1062





	<u>Site Meter</u>	age 1	orung	To Page 2	CLIFFS OI
5		Total Month to Date	Last Months Total	Surge Arrest Alarm	MOHER
	Main ESB Incomer Meter	6048.00 Kwhr	52413.00 Kwhr	Normal	
		Total Month to Date	Last Months Total		
	Main Landlord DB Total	4614.00 Kwhr	39430.00 Kwhr		-
		Total Month to Date	Last Months Total		-
	MCC 1 Electricity Meter	448.00 Kwhr	4545.00 Kwhr		-
		Total Month to Date	Last Months Total		-
	MCC 2 Electricity Meter	77.00 Kwhr	692.00 Kwhr		-
		Total Month to Date	Last Months Total		
	MCC 3 Electricity Meter	6.00 Kwhr	2.00 Kwhr		Main Index
		Total Month to Date	Last Months Total		Hot Water System
	F-SDB-04 Electricity Meter	374.00 Kwhr	3417.00 Kwhr		LPHW System
		Total Month to Date	Last Months Total		Monitoring
	S-SDB-05 Electricity Meter	40.00 Kwhr	316.00 Kwhr		Ventilation System
		Total Month to Date	Last Months Total		
	Geothermal Heatpump Electricity Meter	594.00 Kwhr	4460.00 Kwhr		Glossary
		Total Month to Date	Last Months Total		-
	Waste Water Plant Electricity Meter	842.00 Kwhr	6700.00 Kwhr		-
		Total Month to Date	Last Months Total		-
	G-SDB-01 Electricity Meter	238.00 Kwhr	1879.00 Kwhr		-
		Total Month to Date	Last Months Total		
	G-SDB-02 Electricity Meter	1545.00 Kwhr	13415.00 Kwhr		
		Total Month to Date	Last Months Total		
	G-SDB-03 Electricity Meter	451.00 Kwhr	4004.00 Kwhr		
	DATE: 04	4_10_13 TIME	: 13_00_34		
ireg	Fit to page	963 v3.50 [R]	04 Oc	:tober 2013 13:00:43 = 1156 🍐 = 1:	128 ■ ● ● ● 13:00 N ▲ 🛐 🖤 ● ● 04/10/2012





Geology of the Cliffs

Weathered shale Yellow sandstone (Round Table) Flaggy sandstones and shales Interbedded strata of sandstones, siltstones and shales

Shale







Summary of relevant stats

Closed Loop Heating and Cooling Horizontal array area – 2,500m² 39 circuits at 150m each Peak Flow rate – 8 l/s Size of heatpump – 1 * 160kW Hours of operation – 3,640 hours/year Energy Savings excl VAT- €11,280 Carbon Dioxide Savings – 30.8 tonnes / year Improved level of comfort for visitors and staff Waste heat from cooling provides heat to other spaces in the building.

The Geothermal Association of Ireland presents the winner of the 2013

Brecan Mooney Award

for excellence in Geothermal Energy Transfer Systems in the category of Closed Loop, Greater than 100kW thermal capacity, to

> The Cliffs of Moher Visitors Centre Co. Clare

Presented on Wednesday 13th November 2013, for an

efficient, high quality geothermal heating & cooling system completed in August 2007 which succeeds in providing a controlled, stable & comfortable indoor environment with low associated energy, cost & CO₂ emissions.

John Burgess - Chair of the GAI

Robin Curtis - Geoscience Ltd. Independent Adjudicator from UK

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