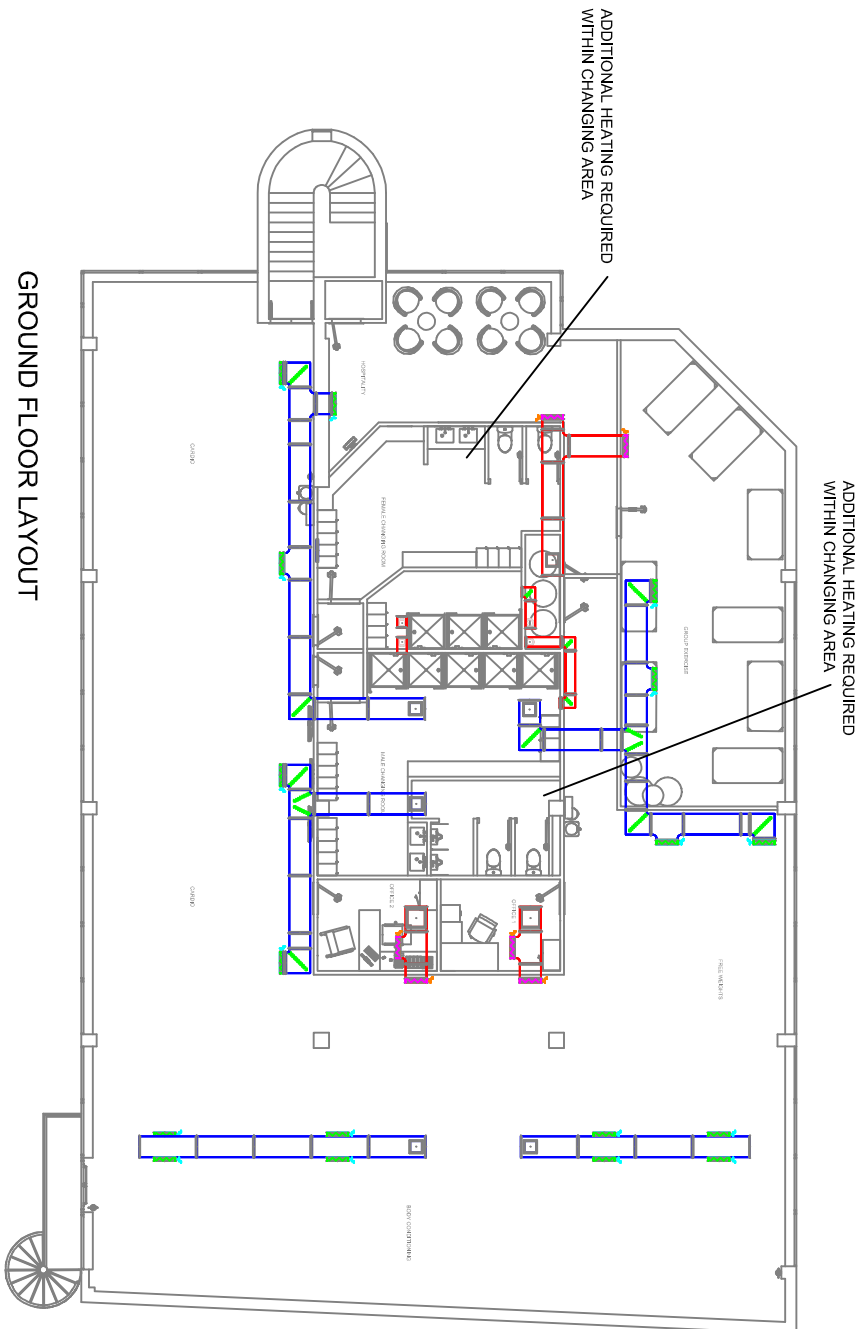
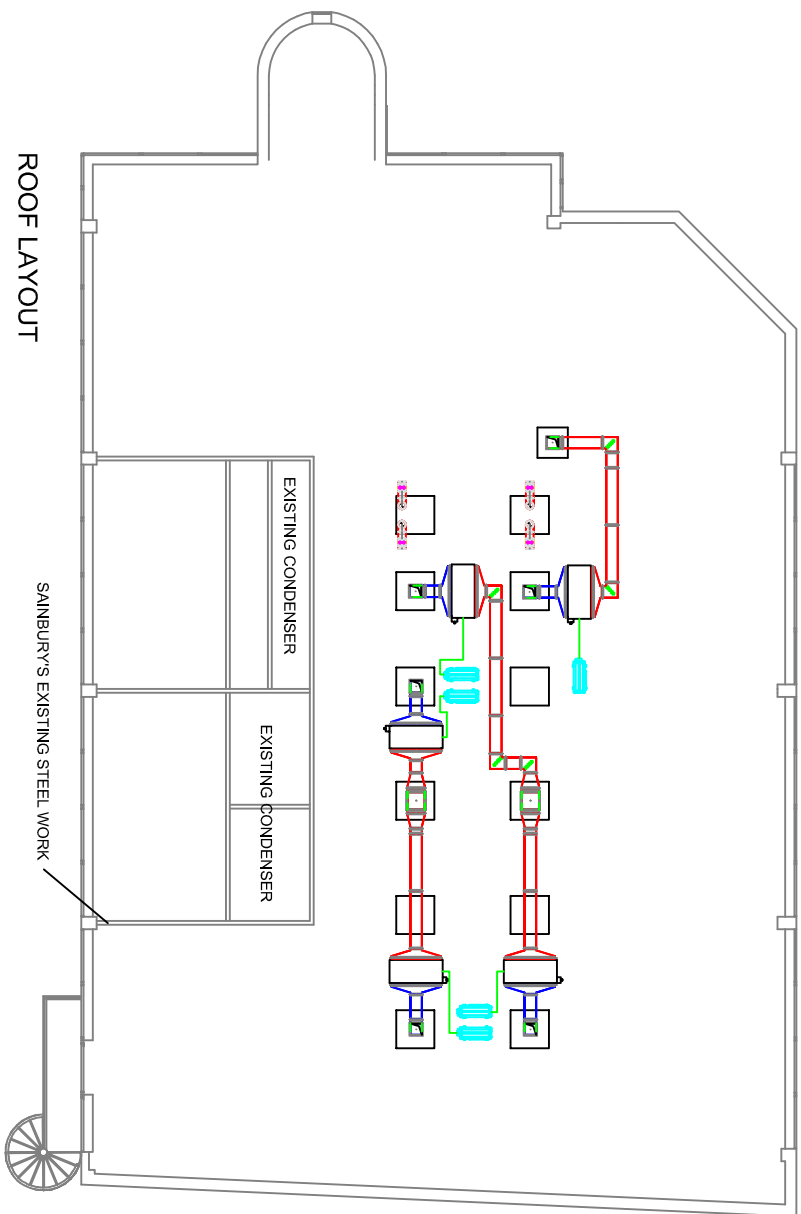
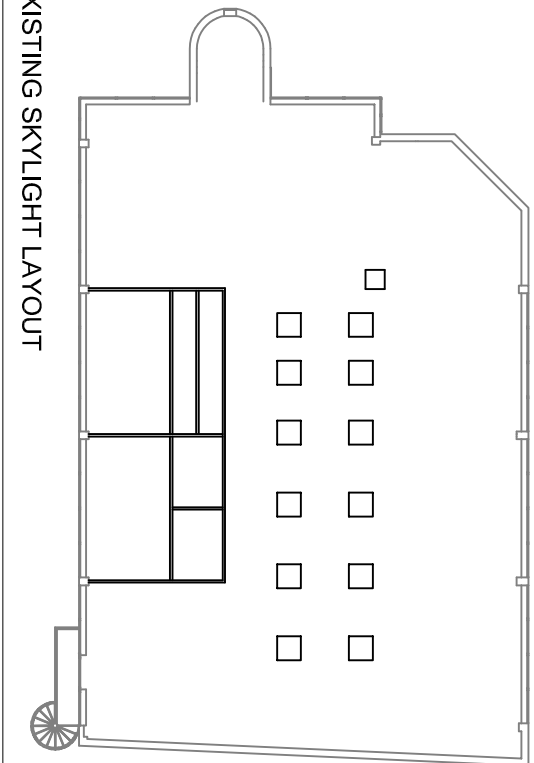


MODIFICATIONS / ADDITIONS		
Rev.	Eng	Date
Description		



Area	Dimension	Floor area	Duty	Total Duty							
				watts							
AC-G-01	Body Conditioning	m	m ²	w			10920				
AC-G-02	Body Conditioning	12	7	84.00	10920		10920				
AC-G-03	Cardio /male w/c	12	7	84.00	10920		10920				
AC-G-04	Cardio/ WC's / Hospitality	12	7	84.00	10920		10920				
AC-G-05	Group Exercise / Free weights	12	7	84.00	10920		10920				
	Personnel	Nº Off	Model	Type	Index	Sensible Cooling kw	Cooling kw	Heating kw	Outdoor Condensing Unit	Total (w)	54600
AC-G-01	Body Conditioning	n/a	1	FDQJ25C	Ducted	125	9.3	13.6	13.5	RZ0G125L8V1	
AC-G-02	Body Conditioning	n/a	1	FDQJ25C	Ducted	125	9.3	13.6	13.5	RZ0G125L8V2	
AC-G-03	Cardio /male w/c	n/a	1	FDQJ25C	Ducted	125	9.3	13.6	13.5	RZ0G125L8V3	
AC-G-04	Cardio/ WC's / Hospitality	n/a	1	FDQJ25C	Ducted	125	9.3	13.6	13.5	RZ0G125L8V4	
AC-G-05	Group Exercise / Free weights	n/a	1	FDQJ25C	Ducted	125	9.3	13.6	13.5	RZ0G125L8V5	
								Ventilation Selection			
Ground	Body Conditioning	Design		m ²	Supply l/s	Extract l/s					
Ground	Body Conditioning	10 ach		84.00	650	650	Via Ducted Air Con Unit c/w Fresh Air Supply Within Ducting				
Ground	Cardio /male w/c	10 ach		84.00	650	650	Via Ducted Air Con Unit c/w Fresh Air Supply Within Ducting				
Ground	Cardio/ WC's / Hospitality	10 ach		84.00	650	650	Via Ducted Air Con Unit c/w Fresh Air Supply Within Ducting				
Ground	Group Exercise / Free weights	10 ach		84.00	650	650	Via Ducted Air Con Unit c/w Fresh Air Supply Within Ducting				
Ground	Female Toilet / Changing / Showers	15 ach		31.10	n/a	351					
Ground	Male Toilet / Changing / Showers	15 ach		35.60	n/a	401	4no. Direct Driven Inline Fans				

- Install 5no. new ducted air conditioning units to roof, all units to be installed within a weatherproof enclosure and mounted on uni-strut framework.
 - Install 5no. new conditioning units on uni-strut framework on roof.
 - Install 4no. direct driven inline fans on roof, all fans be installed within a weatherproof enclosure and mounted on a uni-strut frame.
 - All external ductwork to be fully lagged and made weatherproof.
 - All ductwork will then penetrate through the existing skylights and distributed throughout the proposed gym, all ductwork to be boxed-in by others.
 - All penetrations by others.
- Please note we have only allowed for extraction within the changing areas.

WEIGHT	
	4.5kg
	1.05kg
	4.5kg

POWER SUPPLY	
	32AMP - 1PH
	6AMP - 1PH

KEY	
	SUPPLY DUCT
	EXTRACT DUCT
	DUCTED A/C
	A/C PIPE ROUTE
	OUTDOOR UNIT
	VOLUME CONTROL DAMPER
	INLINE DIRECT DRIVEN FAN

Title	Proposed Gym & Roof HVAC Layouts		
Date	23.12.2014		
Project No	TBC	REV	A
Drawing No	DN02333		
Client Drawing No		Scale	1:100 @ A1
Client Drawing REV	Client: Hayling Island Health Fitness Centre		
Site	Hayling Island Health Fitness Centre		
Drawn By	BH		
Checked By	BD		



FITZHARRIS BUSINESS CENTRE
 17 FLYING DUTCHMAN ROAD,
 POSEY PARK, SOUTHAMPTON
 SO8 4PX
 TEL: 023 9252 1799
 FAX: 023 9252 1798
 email: sales@fitzharris.co.uk
www.fitzharris.co.uk