PLANNING APPLICATION
Design and Access Statement

Atkins Ref: **5048134.797**

Date: **28th. May 2008**

Location: **Royal Bank of Scotland – Lapwing Lane West Didsbury Manchester**

Proposal: **To install comfort cooling within the banking hall office and the interview room at ground floor level: 1 No. external condensers located on rear wall and 5 No. internal evaporators as indicated on drawing.**

Background
Atkins's are appointed by RBSG to project manage the refurbishment works required to provide comfort cooling with mechanical ventilation and heat recovery system to the building plus the upgrading of the toilet facilities. Following an initial site visit and meeting with our client and discussion with the Local Planning and Conservation Officers, it was agreed that before any new works could be started that a full planning application would be submitted.

Following final approval of the planning application the work will be scheduled and agreed with the local branch manager prior to commencement.

Access
Access to the Branch is via the front entrance on Liverpool Road. There is limited on-site parking for staff or customers, and arrangements for contractor parking on the road will be made with the Local Authority prior to the commencement of works on site.

The Branch is open to the public five days a week:

Monday, Tuesday, Thursday and Friday: 09:00 – 16:45
Wednesday: 09:30 – 16:45

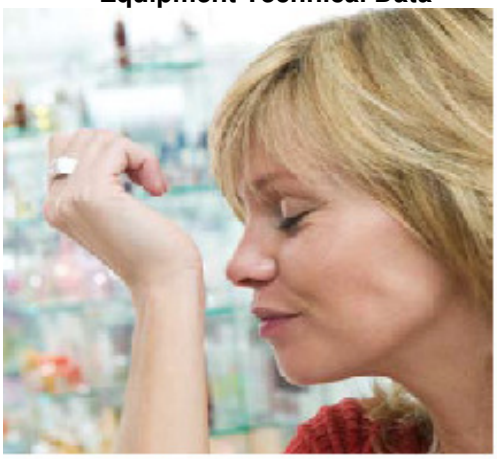
Confirmation of these hours can be found at www.rbs.com

Design Options
The following issues have been assessed within the Designers' Risk Assessment:

- Working in occupied buildings in close proximity with staff and members of the public the contractor is to undertake the works out of branch hours. In addition to this, only trained personnel will be authorised to work on the site.
- Uncovering potentially dangerous asbestos material – Asbestos Register to be checked by contractor prior to the commencement of any opening up works.

Proposals

- Install external condensers with all necessary support brackets etc.
- Install internal evaporators (heating/cooling units) with all necessary support brackets etc. Install refrigerant pipe work and electrical supplies on tray work. Connect electrics to existing supplies. Charge system with refrigerant and commission.
- Install and commission fresh air MVHR system.
- Remove and replace (with new) existing sanitary fixtures & fitting to male/female basement toilets, including waste pipe work etc.
- Remove doors and frames and replace with 1 hour fir rated doors, repair plaster work and redecorate.
- Fire stop existing openings repair damaged plaster work throughout and redecorate.
- Upgrade lighting and emergency lighting system, plus modify fire alarm circuits.



RXYSQ4-6PA7V(Y)1B

VRV®III-S Inverter Heat Pump

- High COP values
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Super wide range of indoor units
- Power consumption limit setting
- Small capacities - 4, 5 & 6HP
- Slim & flexible design
- Space saving outdoor unit



RXYSQ4-5-6PA7V(Y)1B

HEAT PUMP

Outdoor Unit				RXYSQ4PA7V1B	RXYSQ5PA7V1B	RXYSQ6PA7V1B
Capacity range			HP	4	5	6
Capacity	Cooling		kw	11.2	14.0	15.5
	Heating		kw	12.5	16.0	18.0
Dimensions	(Height x Width x Depth)		mm	1,345x900x320		
Weight			kg	130		
Sound Level	Sound Power	Cooling	dBA	66	67	69
	Sound Pressure	Cooling	dBA	50	51	53
		Heating	dBA	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Refrigerant				R-410A		
Power Supply				1M~/220-240V/50Hz		
Max n° of indoor units to be connected				6	8	9
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26 x 3		9.52 / 19.1 / 26 x 3
Max total length			m	300		

HEAT PUMP

Outdoor Unit				RXYSQ4PA7V1B	RXYSQ5PA7V1B	RXYSQ6PA7V1B
Capacity range			HP	4	5	6
Capacity	Cooling		kw	11.2	14.0	15.5
	Heating		kw	12.5	16.0	18.0
Dimensions	(Height x Width x Depth)		mm	1,345x900x320		
Weight			kg	130		
Sound Level	Sound Power	Cooling	dBA	66	67	69
	Sound Pressure	Cooling	dBA	50	51	53
		Heating	dBA	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Refrigerant				R-410A		
Power Supply				3M~/380-415V/50Hz		
Max n° of indoor units to be connected				6	8	9
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26 x 3		9.52 / 19.1 / 26 x 3
Max total length			m	300		

NEW