

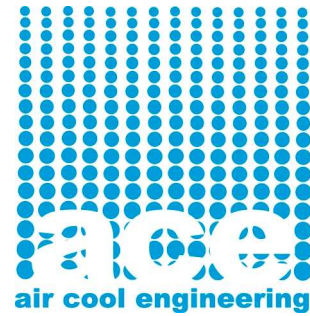
air cool engineering midlands ltd

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**METHOD STATEMENT**

Works - Installation of Air conditioning Equipment, including interconnecting services installation
 Address - Pure Gym, Hardman Street, Manchester

1.0 GENERAL DETAILS			
Client:		PEL Interiors	
Site:		Pure Gym, Manchester	
Location of Work:		Roof Level, Goods Lift and Loading Bay	
Project Manager:		Michael Price 07973 379 808	
Start Date :	12.10.09	Completion Date:	31 OCT 09
Daily Start Time:	0730hrs	Daily Finish Time:	1930hrs

2.0 SCOPE OF WORKS
<ol style="list-style-type: none"> To manoeuvre 4No Daikin VRV condensing units from the loading bay upto the roof level plant area. To run air conditioning pipework and interconnecting services from the condensing unit locations to the 9th floor riser 30.

3.0 PLANT AND EQUIPMENT			
ITEM:	OPERATING LICENCE REQUIRED (yes / no)	TRAINING CERTIFICATE REQUIRED (yes / no)	TEST CERTIFICATE REQUIRED (yes / no)
Hand Tools	no	no	No
110v Power Tools	no	no	Yes
Slinging	no	yes	Yes
Aluminium scaffold tower/ Podium	no	yes	Yes
Task Lighting	no	no	no
Dust Sheets	no	no	no
Fire Extinguishers	no	no	no
Sheets of Hardboard	no	no	no
Step Ladders	no	no	no

4.0 PERSONAL PROTECTIVE EQUIPMENT	
ITEM:	WHEN APPLICABLE:
Safety Boots	At All Times
Eye Protection	When Cutting Unistrut
Ear Defenders	When Cutting Unistrut
High Visibility Vests	At All Times
Gloves	At All Times
Hard Hats	At all times

5.0 CONTROL of SUBSTANCES HAZARDOUS to HEALTH

ITEM:	PRODUCT DESCRIPTION:	CONTROL:
Acetylene	Acetylene (dissolved)	- Ensure adequate ventilation - Do not smoke while handling product - Wear suitable hand, body and head protection - wear goggles with suitable filter lenses when use is cutting/welding.
Nitrogen	Nitrogen (oxygen free)	- Ensure adequate ventilation
Oxygen	Oxygen (and high purity oxygen)	- Do not smoke while handling product. - Wear suitable hand, body and head protection - Ensure adequate ventilation

6.0 REQUIRED PERMITS

PERMIT TYPE:	CONTACT: TBA
Work Permit	PEL Interiors
Hot Works	PEL Interiors
Podium Steps / Access Towers	PEL Interiors
Ladders/Step Ladders	PEL Interiors

7.0 ENVIRONMENTAL CONCERNS

Information regarding the possible presence of Asbestos Containing Materials (ACM's) should be obtained from the client before works commence.

Should operatives find/disturb any suspected ACM's during the course of their work, they should stop work immediately, clear the area and inform their Site Supervisor/Contract Manager.

All waste produced will be disposed of in accordance with Local/National authority guidelines, and where applicable, the Site Waste Management Plan.

DESCRIPTION:	CONTROL:
Redundant Metal Material	To be taken to the on site refuse skip
Redundant Packaging Materials	To be taken to the on site refuse skip Items deemed as hazardous i.e. spent mastic cartridges and used paint brushes would be packaged and removed from site by our operatives for correct disposal.

8.0 STANDARDS & TRAINING REQUIREMENTS

All work is to be undertaken to the following regulations and standards:

Air Cool Engineering (Midlands) Limited Health & Safety Standards

Health and safety ay work act 1974

Electricity at work regulations 1989

ACE operatives are expected to maintain our health & safety and quality standards at all times. All site staff are responsible for continually assessing the risks associated with the works and updating where necessary the relevant risk assessment.

9.0 TRAINING REQUIREMENTS

Asbestos Awareness Training.

HVCA skillcard.

IPAF/PASMA and abrasive wheel certification (as required).

10.0 FIRST AID/EMERGENCY ARRANGEMENTS

First Aider Appointed Person identified at Induction.

Local hospital A&E at: -

PLEASE SEE PEL Interiors INDUCTION

Fire and Emergency evacuation procedure identified at Induction

11.0 SPECIFIC SITE RESTRICTIONS / REQUIREMENTS

The Site toilet facilities will be available for use during the contract period

No Smoking on site.

Food to be consumed in designated rest areas only

Personnel to sign in and out each day in the signing PEL Interiors Signing in book. The work area is a CDM area controlled by the main contractor, PEL Interiors . Personnel to sign in and out each day at the PEL Interiors site offices book when entering the CDM controlled area.

Materials to be stored in a neat and tidy manner within the building.

12.0 CONSTRUCTION SEQUENCE / SAFETY**General**

Ensure all required permits are in place (see section 6.0)

Offload Tools and equipment and store in a neat and tidy manner within the building. Fitter's vehicles are allowed within the confines of the site for loading / offloading only. They should be parked in an external car park following this.

All operations within this document are to be carried out by all of our personnel. They will have certification as required (see section 3) relevant to the task. Personnel will have corporate identity. Where other of our personnel, or those of our sub contractors would be involved in an operation this will be specifically mentioned in that operation.

Plant items and materials are to be offloaded by hand. Access to the area will be via the site entrance double doors. Materials will be stored neatly internally within the building.

air conditioning installation

1. Works to be carried out by installation teams, each consisting of 2/4 installation engineers. All operatives to sign in and out at security when entering and leaving site. All operatives will also need to attend a site induction by PEL Interiors before works commence. All required materials and tools will be transported to the working areas by hand and stored on the working area floor away from any other trades and kept in a clean and tidy manner to avoid blocking any access and restricting other trades from carrying out their relevant installations. All internal plant to be delivered by transport with tail lift, and then transported by hand to working area floor area. A Hot works permit will be obtained before any hot work being carried out. Tools that are required to carry out our works will be stored on ACE vehicle, safely secured in site boxes. We would propose to leave our vehicle on site during the day in the designated car park.
2. Unistrut bracketry for pipework to be fixed to steelwork gantry similar to existing pipework systems and drop rods extended to down to fixing height of units and cable tray. All bracketry to be transported to working height using podium steps / access tower.
3. The site/work area will be kept clean and clear of all rubbish and waste materials at all times and disposed in the site skip.
4. Obtain hot work permit and room permit. Fire Extinguisher to be present, remove all combustable materials from area. Isolate fire detectors in local area.
5. The copper refrigeration pipe will then be lagged at floor level and swaged out and transported to the working height using steps/scaffold towers and placed onto the already fixed bracketry and cable tray, where the pipework would be braised using oxy/ace equipment. All hot works to cease 2 hours before the end of the working day.
6. The pipe work will then be pressure tested with OFN to 38 Bar. Access and safe working area will be required during testing.

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|----|---|
| 7. | The associated control wiring and interconnecting power cable would then be pulled into positions as marked on the installation drawings and then with the refrigeration pipework will be cable tied and secured into position. Cable to be placed on cable tray using scaffold towers/steps. |
| 8. | The external condensing units and will be delivered by transport with tail lift, to kerbside and taken separately into position by pallet truck, using the good lift. Each condensing unit weighs 324kg. |
| 9. | The site/work area will be kept clean and clear of all rubbish and waste materials at all times and disposed in the site. |

Completion
Upon completion of the entire installation the project will be snagged with PEL Interiors representative following cleaning and sweeping of the entire area.
Redundant materials to be removed from compound (see section 7.0)
Tools and Access equipment to be removed from site.
The system will then be commissioned as per manufacturer's recommendations.

Michael Price
Contracts Manager
Air Cool Engineering Midlands Ltd

Air cool will ensure that operatives undertaking the proposed works have read and are fully aware of Air Cools Health & Safety Policy/Standards.

Installation Engineers Names (I acknowledge having read, understood and abide by the Method Statement and process of works:-

- 1. ACE Engineer (name)signature.....
- 2. ACE Engineer (name).....signature.....
- 3. ACE Engineer (name).....signature.....
- 4. ACE Engineer (name).....signature.....
- 5. ACE Engineer (name).....signature.....
- 6. ACE Engineer (name).....signature.....