



Client: EMCOR

**Project: EMR Oldbury
Birmingham**

Date: 10/06/12

Item:

**Alteration of high bay
lighting in the EMR
building**

1.1.1

OUTLINE

The cost includes for the removal and re-installation of high bay lighting as per drawings 00(63)002-C4 and the installation of high bay lighting in new areas. All as per the scope of works below and the attached drawing.

We have allowed a 30% uplift on our original schedule of rates due to all the materials and fixed equipment which is now on site due to fairports installation.

We will also be using a mixture of Scissor lifters and boom lifters due to the materials and installed equipment.

1.1.2

SCOPE OF WORKS

1.1.3

Installation of Cable Containment

Item 1

To installing and removing lights as per new drawing 00(63)002-C4

Removal of 8 lights from schedule of rates + 30% (32.50 each) £ 260.00

Installation of 10 lights from schedule of rates + 30% (32.50 each) £ 325.00

Item 2

To installing and removing lights as per new drawing 00(63)002-C4

Removal of 12 lights from schedule of rates + 30% (32.50 each) £ 390.00

Installation of 15 lights from schedule of rates + 30% (32.50 each) £ 487.50

Item 3

To installing and removing lights as per new drawing 00(63)002-C4

Installing 24m lighting busbar from schedule of rates + 30% (32.50 each) £ 780.00

Installation of 3 lights from schedule of rates + 30% (32.50 each) £ 97.50

Item 4

To installing and removing lights as per new drawing 00(63)002-C4

Installing 60m lighting busbar from schedule of rates + 30% (32.50 each) £ 1,950.00

Installation of 4 lights from schedule of rates + 30% (32.50 each) £ 130.00



Client: EMCOR

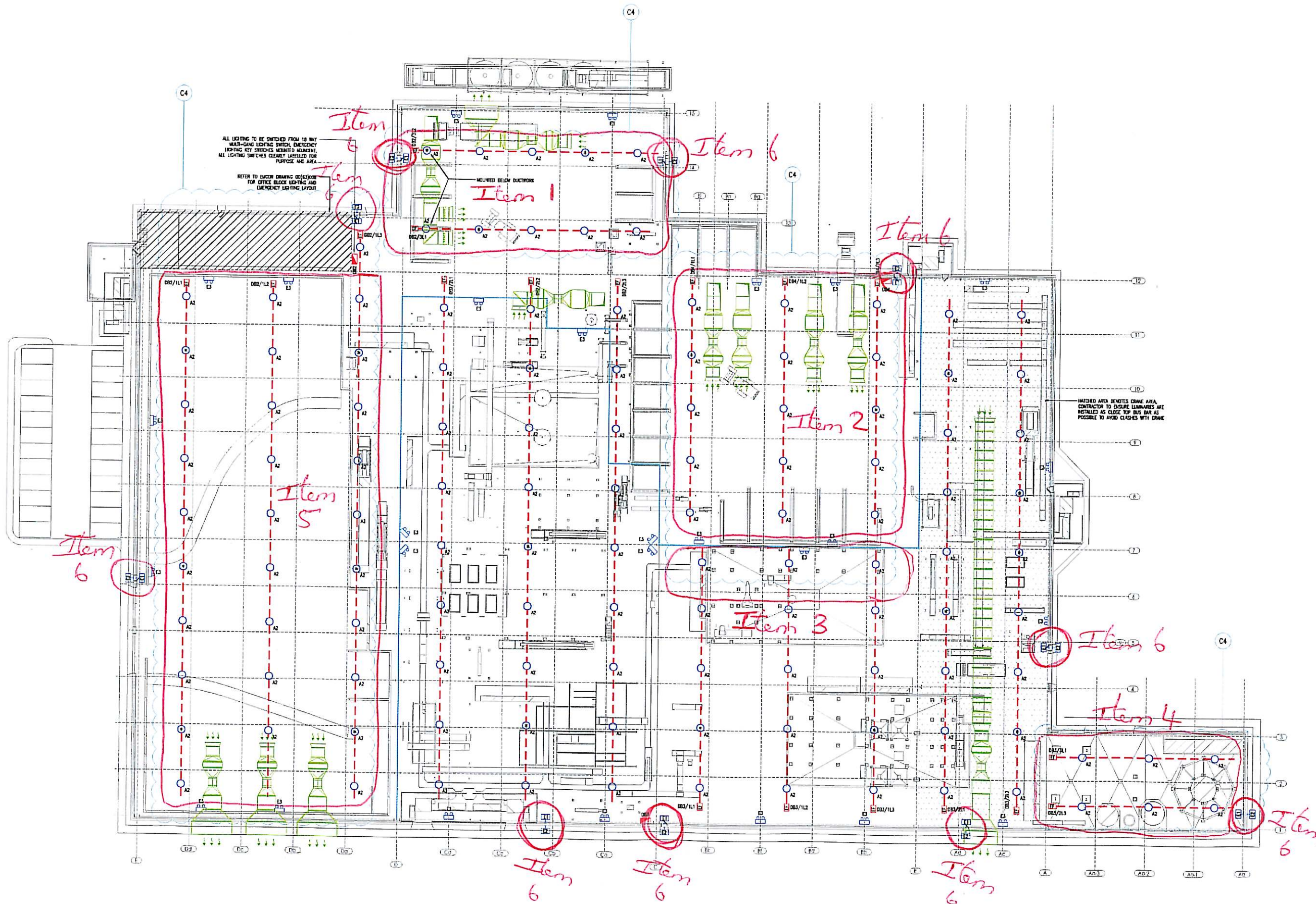
Project: EMR Oldbury
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Item:

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1.2.1	<u>Item 5</u>	
	To installing and removing lights as per new drawing 00(63)002-C4	
	Removal of 9 lights from schedule of rates + 30% (32.50 each)	£ 292.50
	Installation of 10 lights from schedule of rates + 30% (32.50 each)	£ 325.00
	<u>Item 6</u>	
	To installing emergency lights over exits doors as per new drawing 00(63)002-C4	
	Installing 20 exit light complete with containment, wiring and testing	£ 5,750.00
	<u>COSTS</u>	
	Sub totals of items 11-12	£ 10,787.50
	Cost for additional lifters	£ 500.00
	Cost for additional Management	£ 250.00
	Sub total for above	£ 11,537.50
	Plus 10% profit	£ 1,153.75
	Variation Total	<u>£ 12,691.25</u>
	<i>Prices are nett and exclusive of VAT</i>	



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- NOTES
1. This drawing shall not be used as a working drawing. All scaled dimensions shall be verified on site.
 2. For architectural and structural details please refer to appropriate specific drawings.
 3. Lighting control strategy/locations to be agreed with client.
 4. Emergency lighting layout to consist of twin beam type luminaires mounted at high level around the perimeter of the building with all emergency exits having an above door mounted emergency luminaire complete with appropriate signage, each luminaire escape door to have external IP55 non maintenance emergency luminaire mounted above door.
 5. Refer to EMCOR drawing 00(63)009 for transformer compound lighting and emergency lighting layouts.

- LEGEND
- A2 400MM METAL HULDS HIGH BAY LUMINAIRE COMPLETE WITH IP55 SAFETY GLASS DIFFUSER
 - W REDUCED LUMINAIRE FITTED WITH AUXILIARY TRANSDUCER LAMP FOR PUMP UP FACILITY
 - E1 1 x 8 WATT 3 HOUR MAINTAINED SURFACE MOUNTED EMERGENCY LUMINAIRE C/W EMERGENCY EXIT SIGNAGE
 - E2 1 x 8 WATT 3 HOUR NON MAINTAINED SURFACE MOUNTED EMERGENCY LUMINAIRE C/W IP55 POLYCARBONATE DIFFUSER
 - E3 INTERNAL IP55 TWIN BEAM LOW TRANSDUCER HIDDEN NON MAINTAINED EMERGENCY LUMINAIRE
 - 40A SPAN LIGHTING BUSBAR
 - LT LIGHTING BUSBAR END FEED UNIT
 - W ONE WAY LIGHTING CONTROL SWITCH, N REDUCED NO. OF GANGES, MOUNTED 1100mm AFTL
 - EA EMERGENCY LIGHTING TEST KEY SWITCH, N REDUCED NO. OF GANGES, MOUNTED 1100mm AFTL

Rev	Description	Date	By
E4	ADDITIONAL LUMINAIRES ADDED TO LIFT LIGHTING LEVELS DUE TO FULL HEIGHT WALLS BEING INSTALLED	01.05.13	CJ
E3	ADDITIONAL LUMINAIRES ADDED TO CL 13/D AND CL 14/D-2, NOTE ADDED TO CRANE AREA LIGHTING	22.03.13	CJ
E2	AMENDED TO SUIT UPDATED VENTILATION DESIGN & E1 AND E2 LUMINAIRES ADDED	12.03.13	CJ
E1	AMENDED TO SUIT LATEST LAYOUT, MECHANICAL VENTILATION DETAIL FOR CO-COMBUSTION AND RAISED TO CONSTRUCTION ISSUE	07.11.13	CJ
P1	ISSUED FOR APPROVAL	05.12.12	CJ

VINCI CONSTRUCTION UK

emr ies

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Project

IES OLDBURY

Title

EMR BUILDING

INTERNAL LIGHTING &

EMERGENCY LIGHTING LAYOUT

Discipline

ELECTRICAL

Status

CONSTRUCTION

Drawn

CJ

Checked

KB

Size

A0

Job No

C00061

Scale

1:200

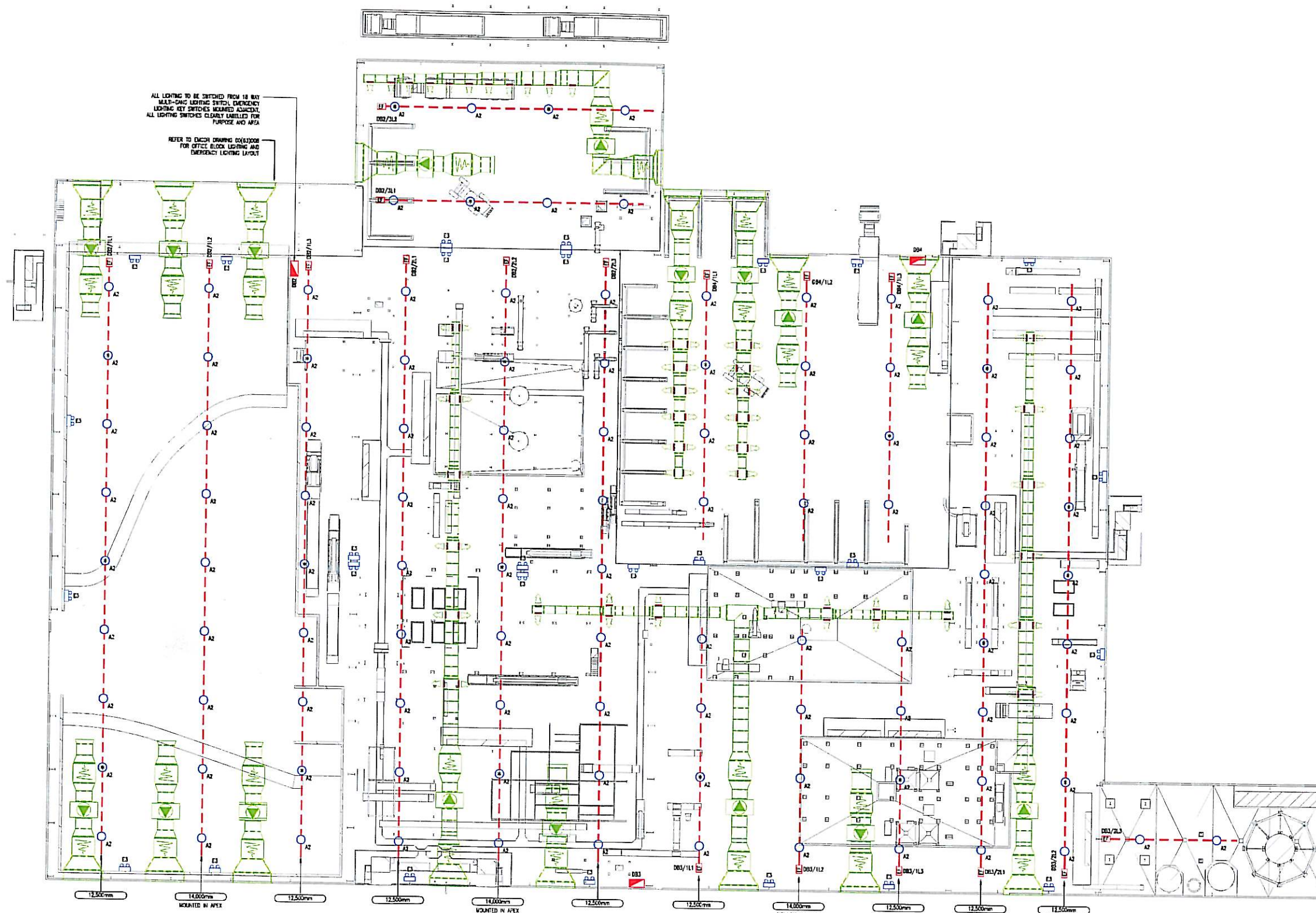
Date

05.07.12

Drawn By

00(63)002

C4



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- NOTES**
1. This drawing shall not be used as a working drawing. All scaled dimensions shall be verified on site.
 2. For architectural and structural details please refer to appropriate specialist drawings.
 3. Lighting control locations to be agreed with client, based on the following design criteria:
Lighting to be manually switched in individual rooms, switches located adjacent D02 for all areas.
 4. Emergency lighting layout to consist of twin beam type luminaires mounted at high level around the perimeter of the building with all emergency exits having an above door mounted emergency bulbhead complete with appropriate signage, each position escape door to have external IP55 non maintained emergency bulbhead mounted above door.
 5. Refer to EMCOR drawing 00(63)002 for transformer compound lighting and emergency lighting layout.

- LEGEND**
- A2 A2000 METAL HALIDE HIGH BAY LUMINAIRE COMPLETE WITH P55 SAFETY GLASS DIFFUSER
 - B3 DENOTES LUMINAIRE FITTED WITH AUXILIARY TUNGSTEN LAMP FOR RUN UP FACILITY
 - C4 INTERNAL IP55 TWIN BEAM LOW TUNGSTEN HALOGEN KEY MOUNTED EMERGENCY LUMINAIRE
 - R04 SPAN LIGHTING BUSBAR
 - LIGHTING BUSBAR END FEED UNIT
 - ONE WAY LIGHTING CONTROL SWITCH, N DENOTES NO. OF SPACES, MOUNTED 1100mm AFTL
 - EMERGENCY LIGHTING TEST KEY SWITCH, N DENOTES NO. OF SPACES, MOUNTED 1100mm AFTL

C1	AMENDED TO SUB LATEST LAYOUT, MECHANICAL VENTILATION REMOVED FOR CO-ORDINATION AND RAISED TO CONSTRUCTION SCALE	07.1.13	CJ
P1	ISSUED FOR APPROVAL	05.7.12	CJ
Rev	Description	Date	Eng



Project: IES OLDBURY

EMR BUILDING
INTERNAL LIGHTING &
EMERGENCY LIGHTING LAYOUT

Discipline:
ELECTRICAL

Status:
CONSTRUCTION

Drawn	CJ	Checked	KB	Size	A0
Job No	C00061	Scale	1:200	Date	05.07.12
Drawing No	00(63)002				C1