

APPENDIX 5 Permit to Work Protocols



PERMIT TO WORK PROCEDURE

PURPOSE

The purpose of this Permit Procedure is to set out a step by step approach for Contractors /Suppliers to follow when completing the Permits Form. This is to ensure that works carried out within IWM premises are done so safely and achieve legal and best practice compliance. The permit to work system herein has been developed in line with HSE Guidance on Permit-to-Work Systems HSG250. This procedure links with the Authorisation to Work Procedure. No works shall commence without prior authorisation by an agreed Approver.

INTRODUCTION AND DEFINITION

The Procedure will define roles and responsibilities and provide a step by step guide, in the form of a flow chart, for Permits to Work to be authorised.

A permit to work system is a formal written document used to control certain types of work that are potentially hazardous. It is a document which specifies the work to be done and the precautions to be taken. They allow work to start only after safe procedures have been defined and they provide a clear record that all foreseeable hazards have been considered. The permit to work is time bound and must be signed off by an agreed Approver. [Refer to flow chart]

Permit to Work Forms appended hereto included:

Hot Work Permit to Work Procedure IWM2
Work At Height / Roof Access Permit to Work Procedure IWM3
Confined Space Access Permit to Work Procedure IWM4
Electrical Work Permit to Work Procedure IWM5
Excavation Permit to Work Procedure, IWM6

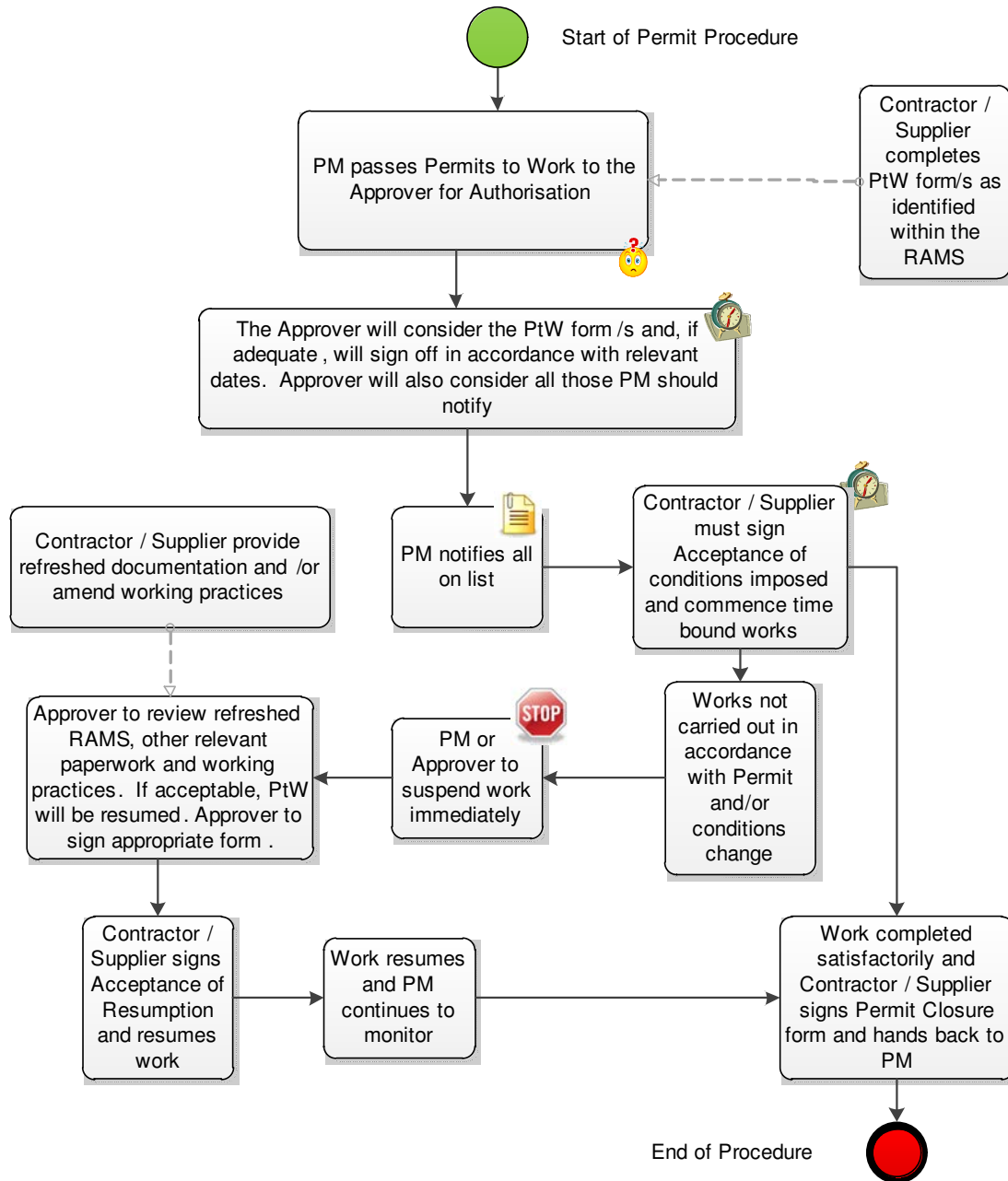
Flow Chart:

The flow chart to follow for all Permits to Work is the same but the hazards will differ.

Roles and responsibilities can be found at Appendix 1.
Relevant documentation Appendix 2

Permit to Work Flow Chart

Relates to IWM 2,3,4,5,6 🤔



Key
PM = Project Manager
PtW = Permit to Work

Timebound = 
The PtW is Authorised for works to be carried out within a specific timeframe and is not open-ended

Notifications to: 
Approver
Control Room
Cofely
Security (Entry Point)
ICT Manager
Others as required

Relevant PtW Form 🤔
IWM2 = Hot Work Permit
IWM3 = Work at Height/Roof Access
IWM4 = Confined space access
IWM5 = Electrical work
IWM7 = Excavation work

ROLES AND RESPONSIBILITIES

PROJECT MANAGER

A person given the authority and responsibility to manage a project on a day-to-day basis, to deliver the required output within agreed constraints. This person may be a permanent employee of IWM, an embedded contractor or a contractor. [These responsibilities are in addition to those set out in the Authorisation to Work Procedure.]

- a) Select reduced risk alternative to hot work, where practicable.
- b) Ensure contractor/supplier completes permit to work form/s, as required by RAMS, and pass to Approver for scrutiny.
- c) Receive approval from Approver and notify relevant persons about commencement of work.
- d) During routine monitoring of works, will suspend permit and contact Approver if the work environment, work task or activities change, such that the RAMS cease to be applicable.
- e) If and when Approver allows work to resume, will continue to carry out routine monitoring activity.

APPROVER

A person given the authority and responsibility for managing a defined area of an IWM branch; the Approver may also act as a Project Manager. [These responsibilities are in addition to those set out in the Authorisation to Work Procedure.]

- a) Is authorised to approve and reject Permits to Work.
- b) Will scrutinize permit to work form for adequacy and compliance with good practice.
- c) Will suspend permit and contact Project Manager if the work environment, work task or activities change, such that the RAMS cease to be applicable.
- d) Approve or reject an application for resumption of works following a suspension.
- e) Will ensure effective communication with Project Manager during the period of the works.

CONTRACTOR / SUPPLIER

The Contractor/Supplier can be one of the following:

Embedded contractor: a company or individual who is contracted directly by IWM, and authorized to act on their behalf, within certain pre-agreed limits.

Contractor: An individual or company, external to IWM, who is instructed to carry out defined **Works**.

Service Provider: persons carrying out **Works**, whether IWM employees or contractors.

[These responsibilities are in addition to those set out in the Authorisation to Work Procedure.]

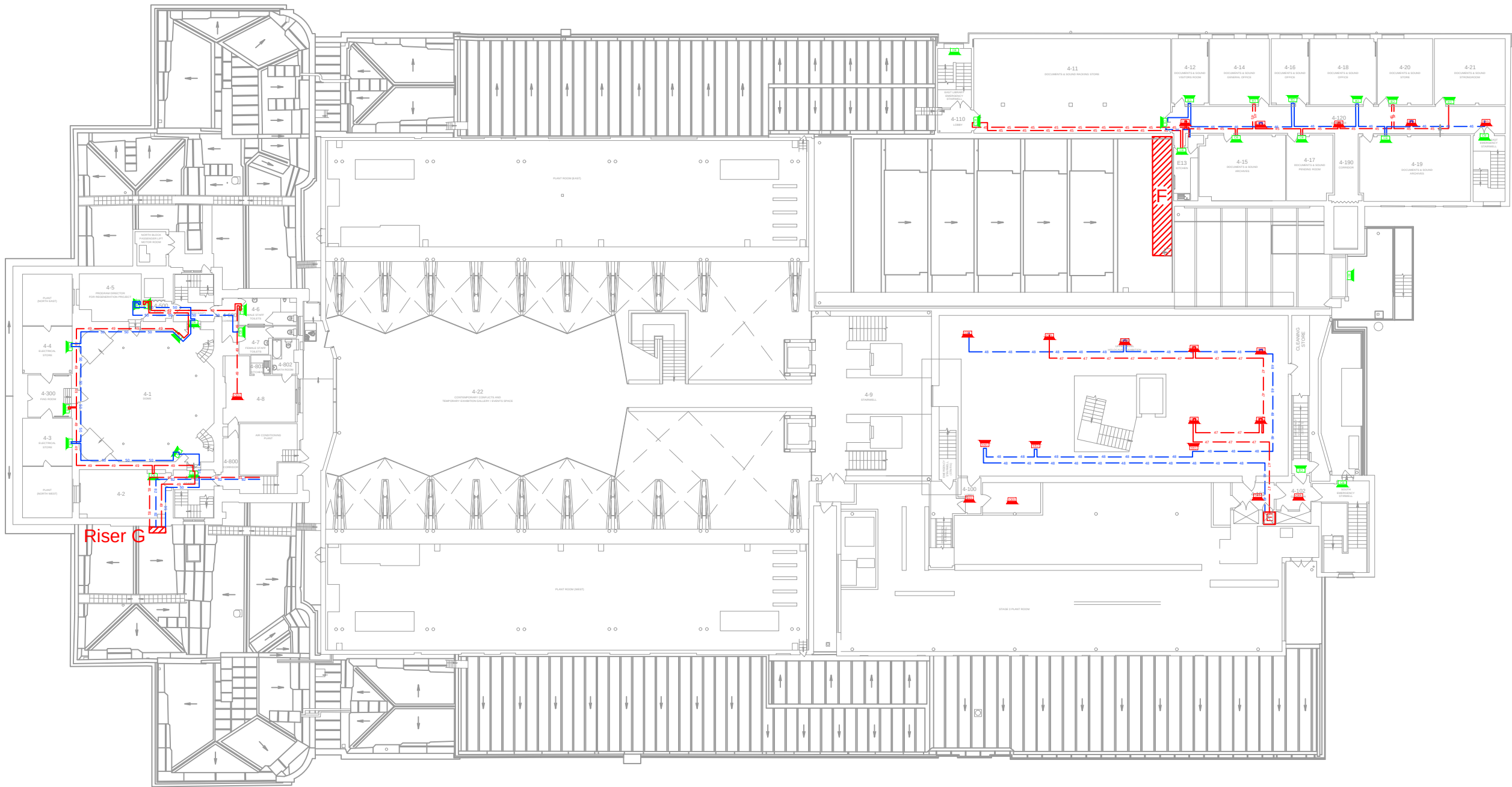
- a) Complete and provide the Project Manager with Permit to Work form/s as indicated by site specific RAMS.
- b) Ensure their own employees and sub-contractors comply with the terms of the permits to work.
- c) Copy of Authorisation and associated permits to be displayed at the work area
- d) Prevents unauthorized access to the work area and places appropriate signage
- e) Must suspend work and notify the Project Manager if changes occur to the work or environment, beyond that addressed in the RAMS

APPENDIX 2

RELEVANT DOCUMENTATION

- Authorisation of Work Procedure
- Authorisation of Work Form IWM1
- Hot Work Permit to Work Procedure IWM2
- Work At Height / Roof Access Permit to Work Procedure IWM3
- Confined Space Access Permit to Work Procedure IWM4
- Electrical Work Permit to Work Procedure IWM5
- Excavation Permit to Work Procedure, IWM6

APPENDIX 6 Record Drawings



Level 4

Notes:

1. This drawing outlines cable and speaker locations to be reviewed in conjunction with project area installation plan.
2. No design responsibility is implied or shall be assumed by Munro Wilson Ltd, acceptance of this drawing by the designer shall constitute transfer of responsibility.
3. Cables to be marked *Voice Alarm Circuit xx* at 8m intervals using indelible marker.

Key Plan

CE5

RCS5FT/EN
5" Recessed Ceiling Speaker

CE8

RCS8FT/EN
8" Recessed Ceiling Speaker

CB

PBC6T/EN
Cabinet Speaker

CL

MCS20T/EN
Column Speaker

Isolation Point

1

2.5mm² Enhanced FP Cable
Circuit number shown

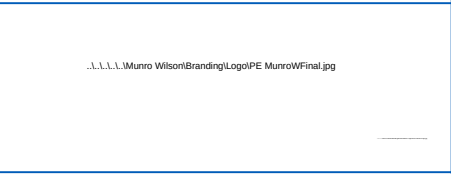
2

Interleaved circuits

Key Cable Route

REV:	DESCRIPTION:	BY:	DATE:
A	Client Issue	MM	20/04/16
B	Incorporating UKAE Comments	MM	12/05/16
C	Additions, speaker rotations	MM	16/05/16
D	Incorporating UKAE Comments	MM	17/05/16

STATUS: Client Review



CLIENT: .IWM Logo.jpg

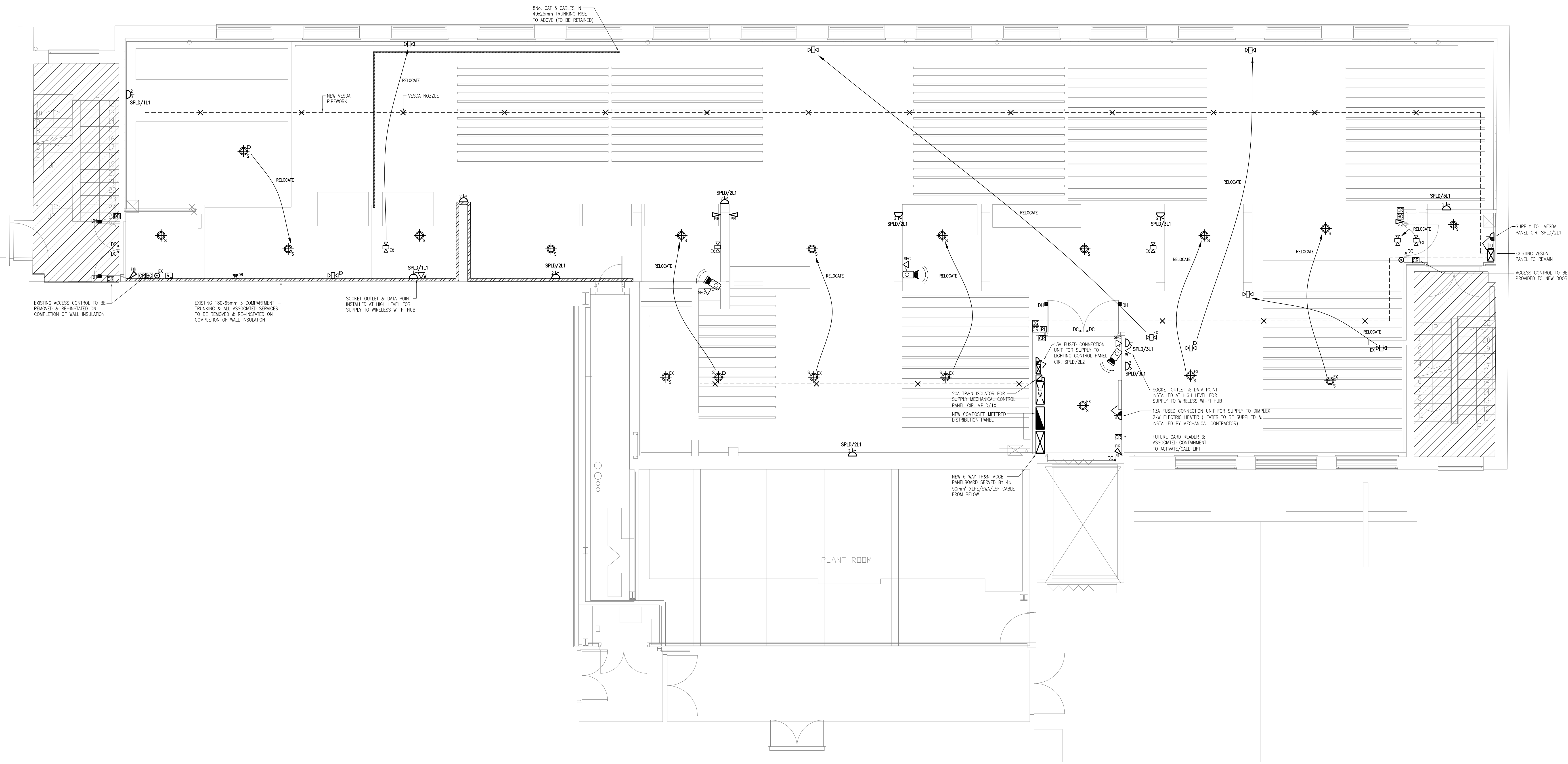
DESIGN/PM: .UKAE Logo.png

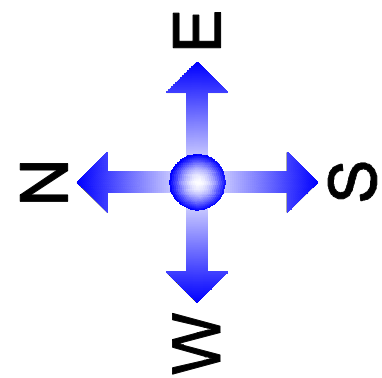
SITE: Imperial War Museum
Lambeth Road
London SE1 6HZ

PROJECT TITLE: IWM/VPS/1337 - PAVA Cable and Speaker Installation

DRAWING TITLE: Speaker Locations and Cable Routes - Level 4

SCALE: NTS	DATE: 17/05/2016	DRAWN BY: MM	CHECKED BY: SG
PROJECT NO: 10109	DRAWING NO: 3005	REVISION: D	





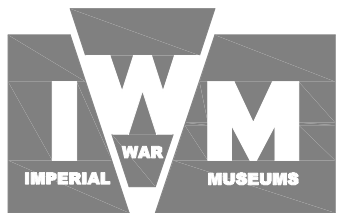
FOR CONTINUATION REFER TO IWML-FS-FAL-4-001



FOR CONTINUATION REFER TO IWML-FS-FAL-4-003

FIRE PROTECTION	
SYMBOL	DESCRIPTION
	BREAK GLASS UNIT
	SMOKE DETECTOR (CV - WITHIN VOID)
	SMOKE DETECTOR c/w SOUNDER
	HEAT DETECTOR
	HEAT DETECTOR c/w SOUNDER
	FLASHING BEACON
	SOUNDER BEACON
	BEAM SMOKE DETECTOR TRANSMITTER
	BEAM SMOKE DETECTOR RECEIVER
	REMOTE INDICATOR
	POWER SUPPLY UNIT
	INTERFACE MODULE
	FIRE ALARM PANEL
	FIRE ALARM REPEAT PANEL
	WALL MOUNTED PAD TYPE MAGNETIC DOOR HOLD OPEN
	TRANSFORMER RECTIFIER
	LINE RELAY
	INPUT / OUTPUT INTERFACE MODULE
	ASD PANEL
	PULLCHORD SWITCH
	RESET UNIT
	OVERDOOR LAMP BUZZER
	DISABLED REFUGE INTERCOM POINT
	DISABLED REFUGE ALARM PANEL

FACILITIES MANAGEMENT



FIRE SAFETY

Description

Fire Alarm Layout

Building:

IMPERIAL WAR MUSEUMS - LONDON

Level:

4

Facilities Management
Walnut Tree Walk
LONDON SE11 6DN

Tel: 020 7840 9601
Fax: 020 7840 9616

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DO NOT SCALE DRAWING
DIMENSIONS MUST BE VERIFIED

Design:

Drawn:

B.J.P.

Checked:

Approved:

Scale:

1:150@A1

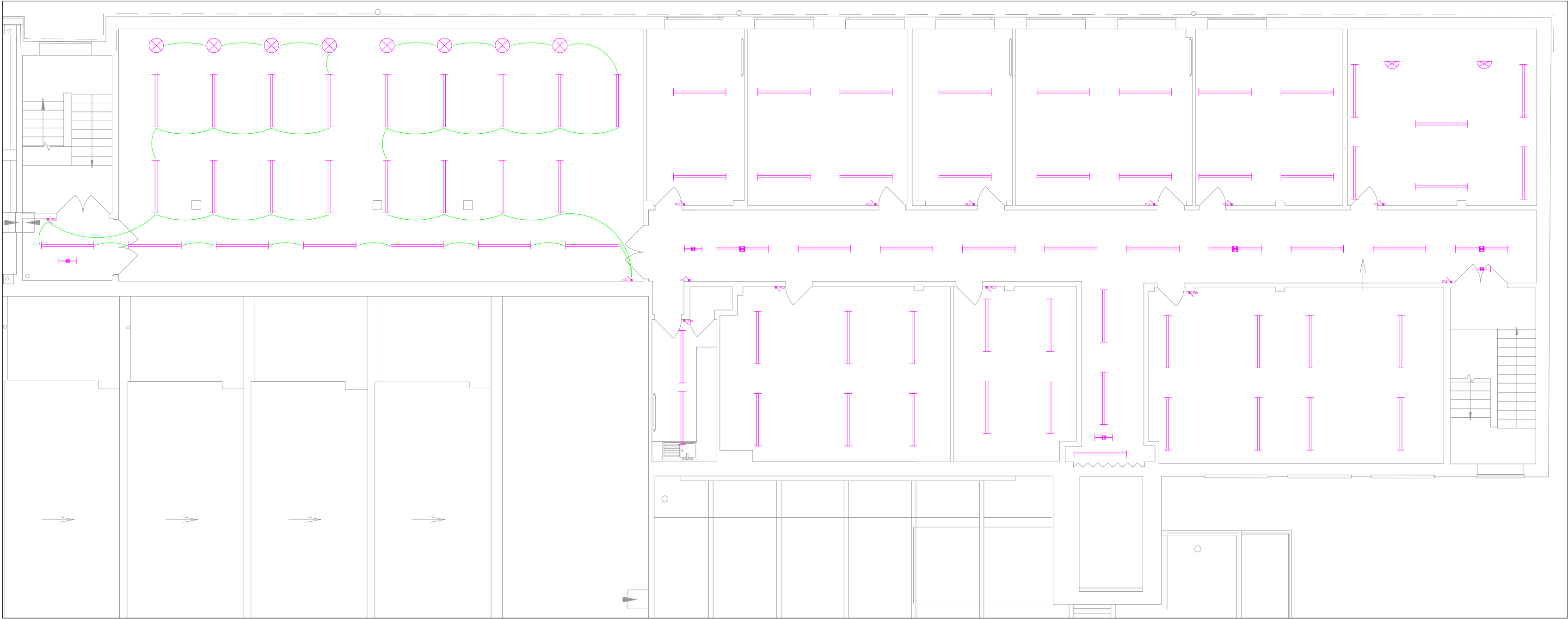
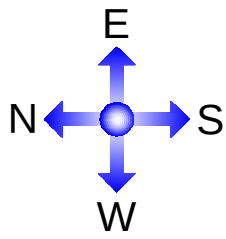
Date:

28.01.15

Drawing No.

IWML-FS-FAL-4-002

Rev.



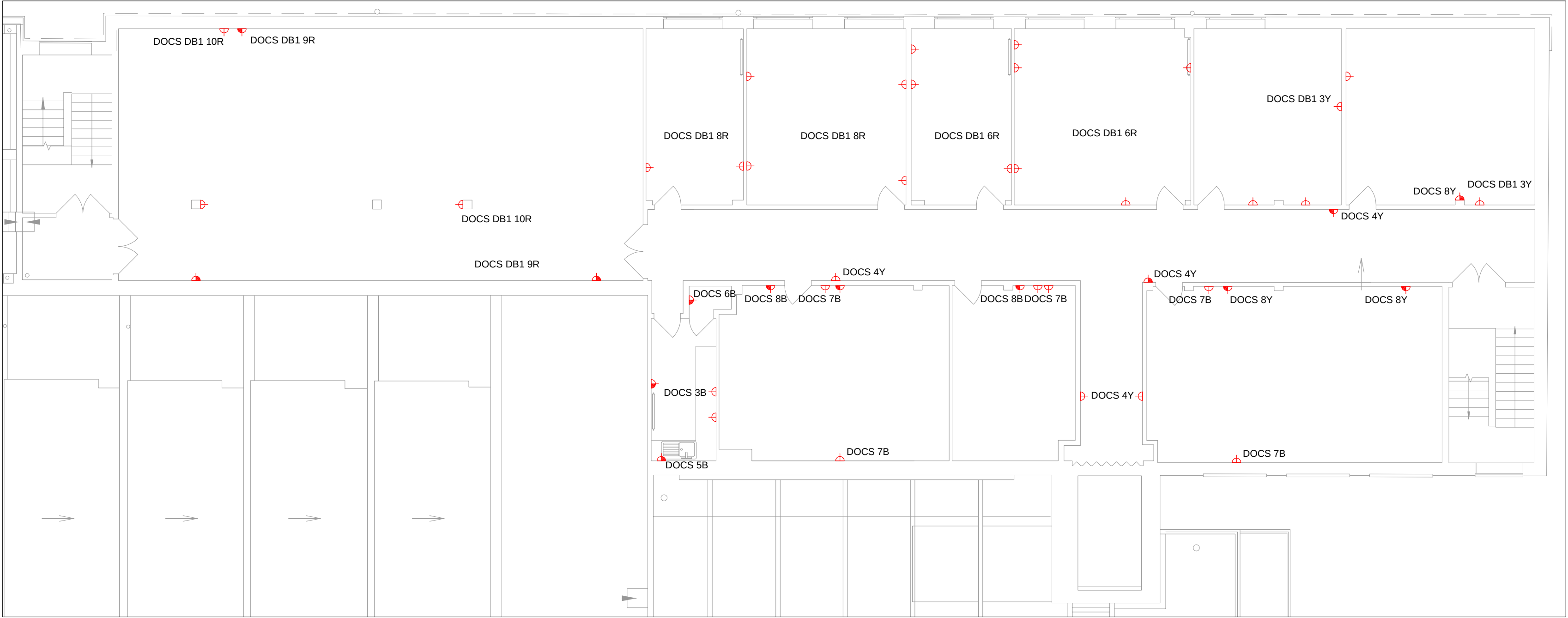
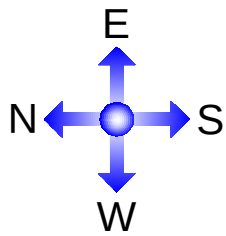
LUMINAIRE SYMBOLS	
SYMBOL	DESCRIPTION
	SINGLE FLUORESCENT LUMINAIRE
	SINGLE FLUORESCENT LUMINAIRE WITH EMERGENCY CONVERSION PACK
	DOUBLE FLUORESCENT LUMINAIRE
	DOUBLE FLUORESCENT LUMINAIRE WITH EMERGENCY CONVERSION PACK
	RECESSED COMPACT FLUORESCENT DOWNLIGHTER
	RECESSED COMPACT FLUORESCENT EMERGENCY DOWNLIGHTER
	FLUORESCENT DOWNLIGHTER
	EMERGENCY FLUORESCENT DOWNLIGHTER
	WALL MOUNTED LUMINAIRE
	EMERGENCY WALL MOUNTED LUMINAIRE
	1kW PROJECTOR
	FLOODLIGHT
	SELF CONTAINED EMERGENCY LIGHT
	REFLECTOR FOR INDIRECT LIGHTING
	SPOTLIGHT
	STRIPLIGHTING

SWITCH SYMBOLS	
SYMBOL	DESCRIPTION
	20A ONE WAY SWITCH (nG INDICATES NUMBER OF GANGS)
	20A TWO WAY SWITCH (nG INDICATES NUMBER OF GANGS)
	20A INTERMEDIATE SWITCH (nG INDICATES NUMBER OF GANGS)
	20A KEY SWITCH (nG INDICATES NUMBER OF GANGS)
	SCENE SETTING CONTROL PAD (DIMMING SYSTEM)
	INFRA RED SWITCH / SENSOR
	ONE WAY PULL CORD SWITCH
	20A DOUBLE POLE SWITCH (nG INDICATES NUMBER OF GANGS)
	OVER DOOR WARNING LIGHT
	PHOTO CELL
	INFRA RED SWITCH / SENSOR
	DISABLED ALARM RESET
	DISABLED ALARM INDICATOR (BLUE LAMP)
	DISABLED ALARM WARNING PUSH / PULL
	45A DP PULL CORD SWITCH FOR ELECTRIC SHOWER
	DIMMER SWITCH
	POWER SUPPLY UNIT
	LIGHTING SWITCH CIRCUIT TO CENTRAL SWITCH BANK

NOTES

FACILITIES MANAGEMENT			
BUILDING SERVICES			
Facilities Management Lambeth Road London SE1 6HZ		Tel: 020 7091 3106 Fax: 020 7840 9616	
COPYRIGHT©		DO NOT SCALE DRAWING DIMENSIONS MUST BE VERIFIED	

Description			
South East Block Lighting Layout			
Building: IMPERIAL WAR MUSEUMS LONDON			Level: 4
Design:	Drawn: B.J.P.	Checked:	Approved:
Scale: 1:100@A3	Date: 08.12.16	Drawing No. IWML-BS-SEB-L-4-001	Rev.



	SMALL POWER SYMBOLS
SYMBOL	DESCRIPTION
	SINGLE SWITCHED SOCKET OUTLET
	SINGLE SWITCHED SOCKET OUTLET - SPLASH PROOF
	SINGLE SWITCHED SOCKET OUTLET - ROD DENOTES OUTLET THAT IS RESIDUAL CURRENT PROTECTED
	SINGLE UNSWITCHED SOCKET OUTLET
	TWIN SWITCHED SOCKET OUTLET
	TWIN SWITCHED SOCKET OUTLET - SPLASH PROOF
	TWIN SWITCHED SOCKET OUTLET - (NON-STANDARD)
	TWIN UNSWITCHED SOCKET OUTLET
	TWIN SWITCHED SOCKET OUTLET - CEILING MOUNTED
	SWITCH FUSED CONNECTION UNIT
	UNSWITCH FUSED CONNECTION UNIT
	13A SWITCHED FUSED CONNECTION UNIT WITH NEON INDICATOR
	13A SWITCHED FUSED CONNECTION UNIT WITH FLEX OUTLET
	13A SWITCHED FUSED CONNECTION UNIT WITH NEON INDICATOR AND FLEX OUTLET
	BS4343 PLUG / SOCKET (a = RATING IN AMPS)
	20 / 30A DOUBLE POLE SWITCH WITH NEON INDICATOR
	20 / 30A DOUBLE POLE SWITCH WITH NEON INDICATOR AND FLEX OUTLET
	3 PHASE SOCKET OUTLET
	240 / 110 SWITCHED SOCKET OUTLET
	TUBULAR HEATER
	TEMPERATURE SENSOR
	HAND DRIER POINT

	TIME SWITCH
	WATER HEATER
	FAN HEATER
	FAN CONTROLLER
	ISOLATOR
	SHAVER SOCKET
	ELECTRIC SHOWER
	BS4343 PLUG / SOCKET (a = RATING IN AMPS)
	MULTI COMPARTMENT TRUNKING IN FLOOR TRENCH
	FLUSH FLOOR TRUNKING
	DADO TRUNKING (3 COMPARTMENT)
	FLUSH MOUNTED FLOOR OUTLET INSPECTION BOX (D = 200mm DEEP BOX)
	FLUSH MOUNTED 3 COMPARTMENT FLOOR BOX WITH 2 No. TWIN SWITCHED SOCKET OUTLETS, TWIN RJ45 OUTLET AND BLANK DOUBLE GANG PLATE FOR AV OUTLETS.
	EPO. KEY RESET WITH HINGED PROTECTIVE COVER
	FLOOR BOX IN CONSERVATION AREA
	CABLE CHAMBER IN CONSERVATION AREA
	COOKER OUTLET
	CEILING EXTRACTOR FAN

NOTES

FACILITIES MANAGEMENT

BUILDING SERVICES

Facilities Management
Lambeth Road
London SE1 6HZ

Tel: 020 7091 3106
Fax: 020 7840 9616

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DO NOT SCALE DRAWING
DIMENSIONS MUST BE VERIFIED

Description

South East Block Small Power Layout

Building:
IMPERIAL WAR MUSEUMS LONDON

Level:
4

Design:

Drawn:
B.J.P.

Checked:

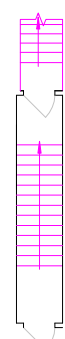
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Rev.

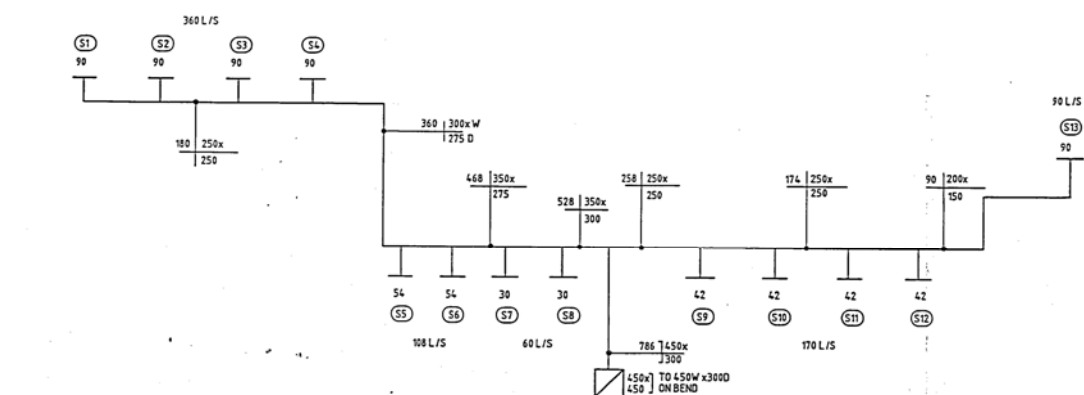
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THIS DRAWING MUST NOT BE SCALED FROM, IN EITHER DIGITAL OR PAPER PRINT FORMAT. THE DRAWING HAS BEEN PREPARED FOR SPACE MANAGEMENT PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION DETAIL. DESIGNERS AND CONTRACTORS MUST TAKE THEIR OWN SITE MEASUREMENTS. VISIBLE CONSTRUCTION LINES ARE INDICATED PURELY AS A GUIDE TO DEFINE INTERNAL USABLE SPACE AND MAY OR MAY NOT INCLUDE STRUCTURAL ELEMENTS OR A VARIETY OF FINAL FINISH CLADDINGS.

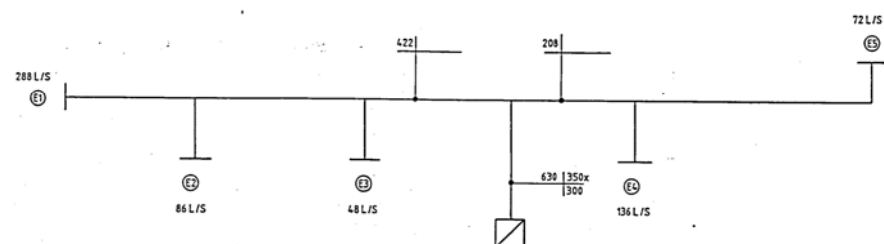
SITE ORIENTATION



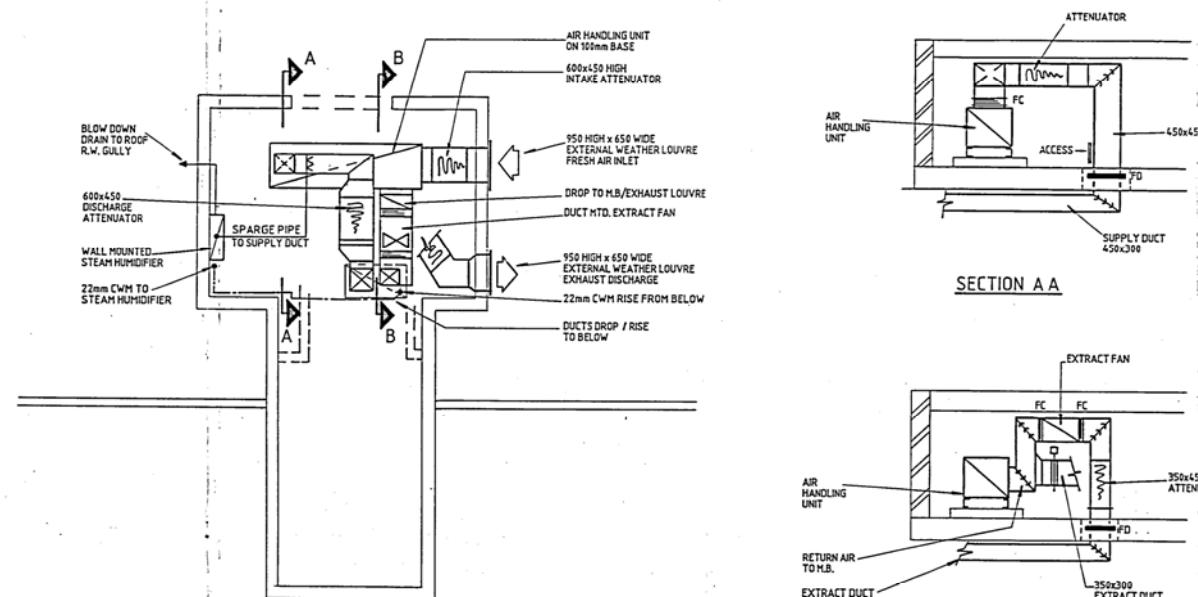
Author	GG	Date	JUN 2016
Revisor	SH	Date	JUN 2016
Scale		Sheet	A3



SUPPLY VENT. DUCT SIZING

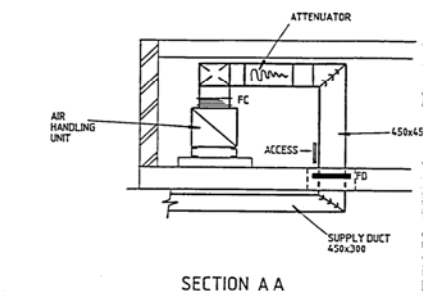


EXTRACT VENT. DUCT SIZING

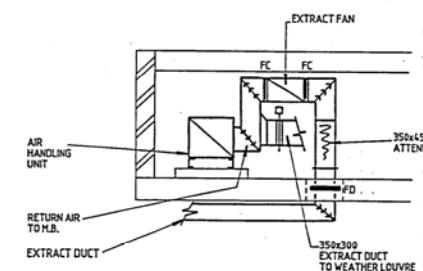


PLANT ROOM PLAN AND SECTIONS

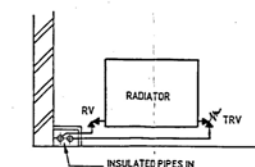
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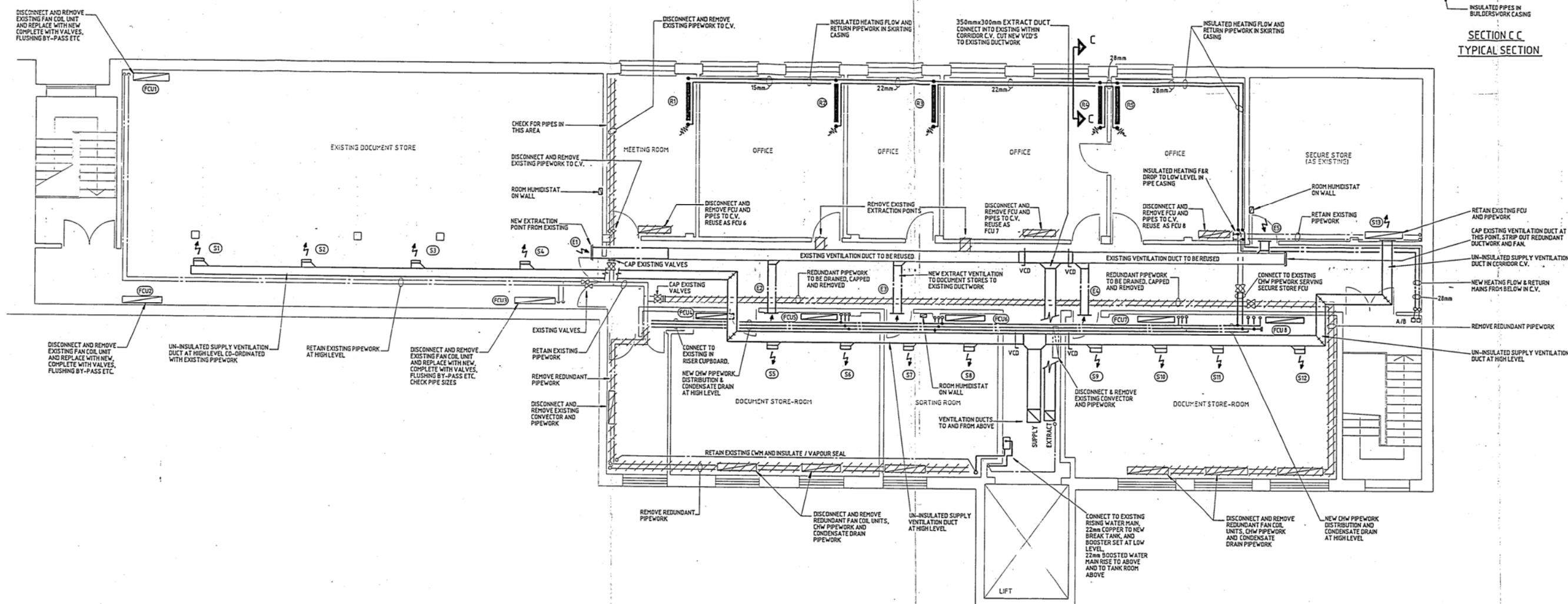
SECTION A A



SECTION B B



SECTION C C
TYPICAL SECTION



THIS IS ONE OF THE
DRAWINGS REFERRED
TO IN THE CONTRACT
BETWEEN US DATED
11-9-97
SIGNED _____
NAME _____
SIGNED FOR AND ON BEHALF OF _____
NAME _____

T	MADE TENDER DRAWING	DEC 26	A.W.
REV	DESCRIPTION	DATE	BY

TENDER ISSUE

AWA

BUILDING SERVICES CONSULTANTS
Heybridge Business Centre, 110 The Causeway,
Malden, Essex CM9 7ND
Tel: (01621) 843844
Fax: (01621) 843845

PROJECT
IMPERIAL WAR MUSEUM
LAMBETH ROAD
THIRD FLOOR S.E. EXTENSION

TITLE
HEATING, VENTILATION AND
FCU MODIFICATIONS
MECHANICAL SERVICES

SCALE	DRAWN BY	DATE
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1:50	A.W.	DEC.
DRAWING no. 9606/M/100/T		

Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION	
Location of Distribution Board	4th Floor Section Documents [Merlin Gerin]	Supply to distribution board is from	N/A
Distribution board designation	DB Documents	No of phases	3
		Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit	
		Type BS(EN)	N/A
		Rating	N/A A
		Associated RCD (if any)	
		BS(EN)	N/A
		RCD No of Poles	N/A
		RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Lights Front Filing Area	D	B	10	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
1/L2	Lights Corridor	D	B	16	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
1/L3	Lighst E13, E15 & E17	D	B	13	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
2/L1	Lights Front Filing Area	D	B	10	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
2/L2	Power E20 & E21	D	B	4	2x2.5	2x2.5	0.4	60898 MCB	C	32	10	N/A	0.58
2/L3	Power E13	D	B	3	2x2.5	2x2.5	0.4	60898 MCB	C	32	10	N/A	0.58
3/L1	Lights E16 & E18	D	B	6	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
3/L2	Lights Plantroom	D	B	2	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
3/L3	Water Heater Kitchen	D	B	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.15
4/L1	Amp Lift Motor Room	D	B	1	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	Power E19, E17 & E15	D	B	7	2x2.5	2x2.5	0.4	60898 MCB	C	32	10	N/A	0.58
5/L1	Fan Coils E9->E12	D	B	LIM	6.0	6.0	0.4	60898 MCB	C	16	10	N/A	1.15
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	Vesda Smoke Alarm Library Archive	O	B	1	2.5	2.5	0.4	60898 MCB	B	20	10	N/A	1.84
6/TP	Plant Supply	F	C	1	10.0	SWA	0.4	60898 MCB	C	32	10	N/A	0.58
7/L1	Lights Filing Back Area	D	B	15	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
7/L2	Lights E20 & E21	D	B	8	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
7/L3	Lights E19	D	B	8	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
8/L1	Lights E12 & E14	D	B	6	2.5	2.5	0.4	60898 MCB	C	10	10	N/A	1.84
8/L2	Power Corridor Area	D	B	5	2x4.0	2x4.0	0.4	60898 MCB	C	32	10	N/A	0.58
8/L3	Heater In Kitchen	D	B	1	4.0	4.0	0.4	60898 MCB	C	16	10	N/A	1.15
9/L1	Power E18 & E16	D	B	6	2x4.0	2x4.0	0.4	60898 MCB	C	32	10	N/A	0.58
9/L2	Power Plantroom Roof	D	B	2	2x4.0	2x4.0	0.4	60898 MCB	C	32	10	N/A	0.58

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

Board Tests

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						TEST INSTRUMENTS (SERIAL NUMBERS) USED					
Zs	0.07	Ω	Operating times of associated RCD (if any)	At I Δ _n	N/A	ms	Earth fault loop impedance	101118207	RCD	101118207	
Ipf	4.3	kA		At 5I Δ _n	N/A	ms	Insulation resistance	101118207	Other	N/A	
Correct supply polarity confirmed	☒		Phase sequence confirmed (where appropriate)		N/A		Continuity	101118207	Other	N/A	

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				p o l a r i t y	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ _n ms	At 5I Δ _n ms	Test button operation	
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	(R ₂)										
1/L1	N/A	N/A	N/A	0.69	N/A	N/A	LIM	>299	>299	✓	0.79				NO
1/L2	N/A	N/A	N/A	0.65	N/A	N/A	LIM	>299	>299	✓	0.75				NO
1/L3	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>299	>299	✓	0.55				NO
2/L1	N/A	N/A	N/A	0.65	N/A	N/A	LIM	>299	>299	✓	0.75				NO
2/L2	0.62	0.62	0.56	0.18	N/A	N/A	LIM	>299	>299	✓	0.28				NO
2/L3	0.58	0.58	0.58	0.16	N/A	N/A	LIM	>299	>299	✓	0.26				NO
3/L1	N/A	N/A	N/A	0.44	N/A	N/A	LIM	>299	>299	✓	0.54				NO
3/L2	N/A	N/A	N/A	0.57	N/A	N/A	LIM	>299	>299	✓	0.67				NO
3/L3	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>299	>299		LIM				NO
4/L1	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>299	>299		LIM				NO
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	0.78	0.78	0.71	0.35	N/A	N/A	LIM	>299	>299	✓	0.42				NO
5/L1	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>299	>299		LIM				NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>299	>299		LIM				NO
6/TP	N/A	N/A	N/A	0.03	N/A	LIM	LIM	>299	>299	✓	0.11				NO
7/L1	N/A	N/A	N/A	0.73	N/A	N/A	LIM	>299	>299	✓	0.83				NO
7/L2	N/A	N/A	N/A	0.62	N/A	N/A	LIM	>299	>299	✓	0.68				NO
7/L3	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>299	>299	✓	0.37				NO
8/L1	N/A	N/A	N/A	0.46	N/A	N/A	LIM	>299	>299	✓	0.56				NO
8/L2	0.46	0.46	0.43	0.19	N/A	N/A	LIM	>299	>299	✓	0.28				NO
8/L3	N/A	N/A	N/A	0.25	N/A	N/A	LIM	>299	>299	✓	0.34				NO
9/L1	0.53	0.53	0.54	0.17	N/A	N/A	LIM	>299	>299	✓	0.23				NO
9/L2	0.20	0.20	0.23	0.13	N/A	N/A	LIM	>299	>299	✓	0.22				NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Susheel Dave Mohan	Date of testing	17/12/2015

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION	
Location of Distribution Board	4th Floor Section Documents [Merlin Gerin]	Supply to distribution board is from No of phases	N/A 3
Distribution board designation	DB Documents	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit	
		Type BS(EN)	N/A
		Rating	N/A A
		Associated RCD (if any)	
		BS(EN)	N/A
		RCD No of Poles	N/A
		RCD Rating	N/A mA

[illegible]

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.07	Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms	Earth fault loop impedance	101118207	RCD	101118207
Ipf	4.3	kA		At SI Δ n	N/A	ms	Insulation resistance	101118207	Other	N/A
Correct supply polarity confirmed	☒		Phase sequence confirmed (where appropriate)		N/A		Continuity	101118207	Other	N/A

N/A

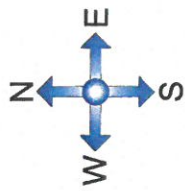
[illegible]

Signature		Position	Electrical Test Engineer
Name	Susheel Dave Mohan	Date of testing	17/12/2015



FOR CONTINUATION REFER TO IWML-BS-P-4-001

FOR CONTINUATION REFER TO IWML-BS-P-4-003



FOR CONTINUATION REFER TO IWML-BS-L-4-001



FOR CONTINUATION REFER TO IWML-BS-L-4-003

FACILITIES MANAGEMENT

BUILDING SERVICES



Description

Lighting

Building: IMPERIAL WAR MUSEUMS - LONDON Level: 4

Facilities Management Tel: 020 7091 3106
Lambeth Road Fax: 020 7840 9616
London SE1 6HZ

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DIMENSIONS MUST BE VERIFIED

Design:	Drawn: B.J.P.	Checked:	Approved:
Scale: 1:100@A1	Date: 12.05.17	Drawing No: IWML-BS-L-4-002	Rev: