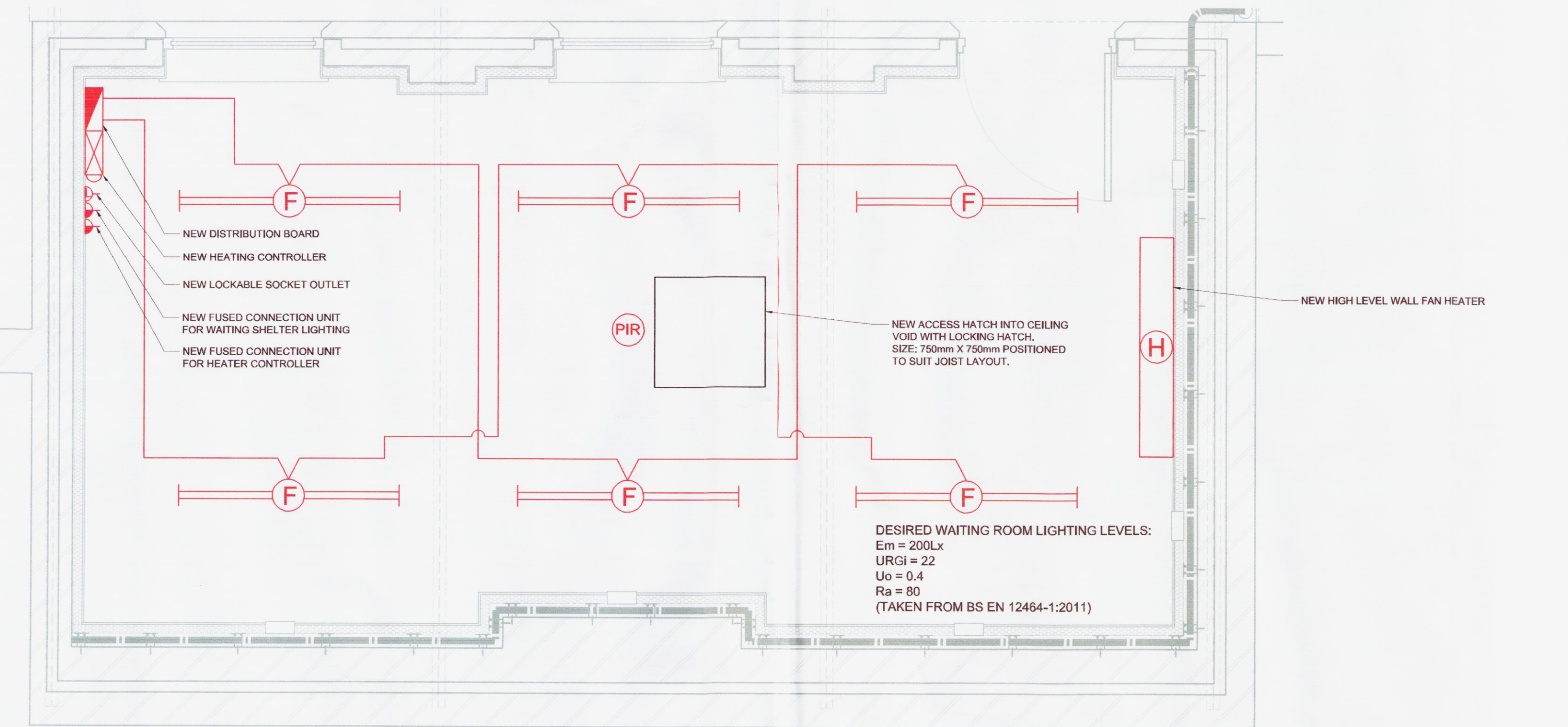


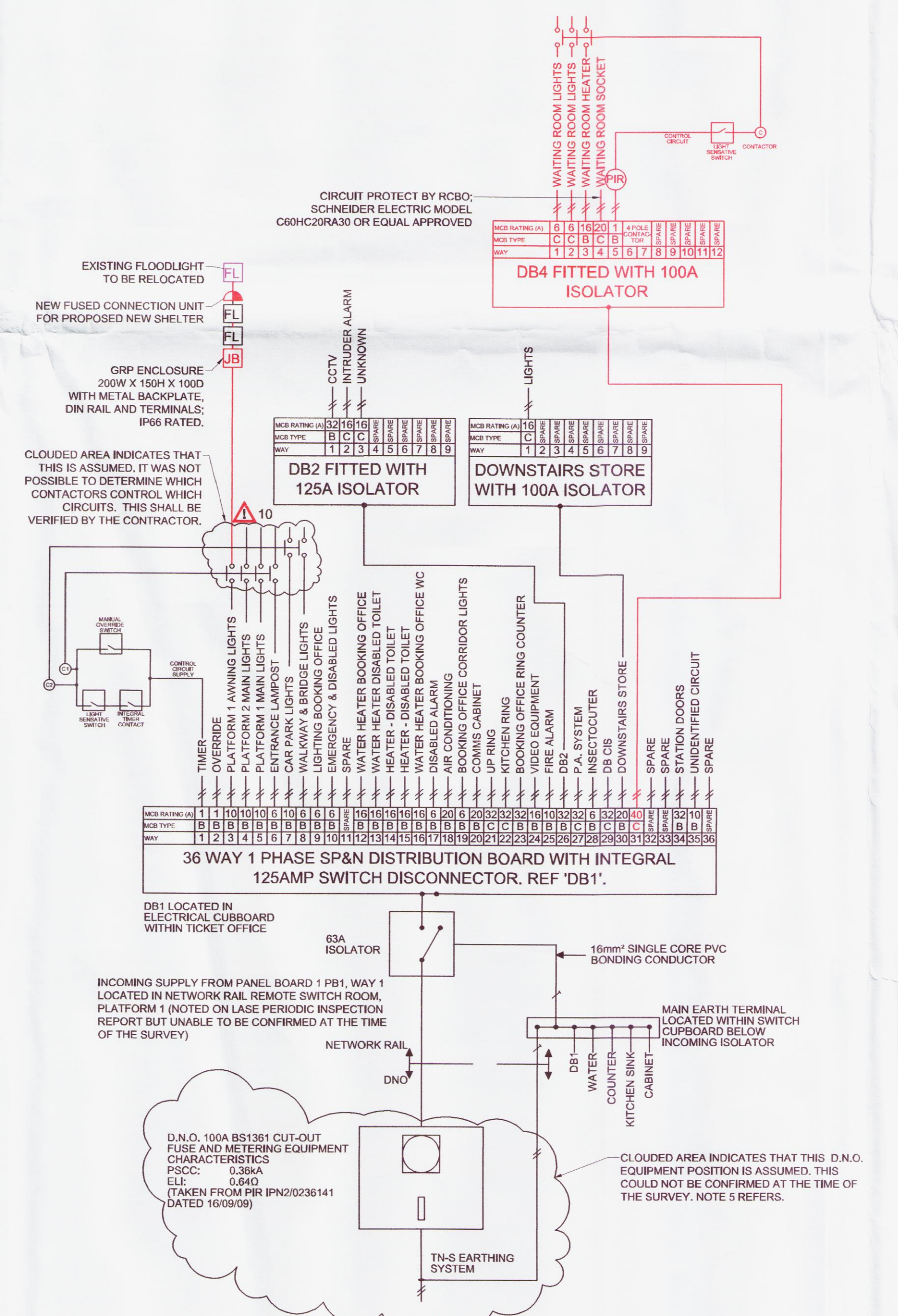
EXISTING SITE LAYOUT
Scale: 1:100



PROPOSED WAITING ROOM LAYOUT
Scale: 1:25

- NOTES:
1. IT IS PROPOSED TO INSTALL NEW LIGHTING TO ILLUMINATE THE PROPOSED NEW WAITING ROOM.
 2. THIS DRAWING IS BASED ON SITE SURVEYS UNDERTAKEN ON 11TH MAY 2012 AND THE ELECTRICAL PERIODIC INSPECTION REPORT DATED 16TH SEPTEMBER 2009 (SERIAL NUMBER IPN2/0236141).
 3. THE EXISTING LIGHTING COLUMNS ARE 4m TALL AND ARE THE RAISING/LOWERING TYPE. THE SHALLOW ANGLE CHAMFER SUGGESTS THAT THEY ARE AT LEAST 15 YEARS OLD. ONE WAS NOTED TO HAVE BEEN DRILLED AND P.A. SPEAKERS MOUNTED ON THE COLUMN AND COLUMNS HAVE FURNITURE & SIGNAGE ATTACHED.
 4. EXISTING PLATFORMS ARE NOT NUMBERED CONSISTENTLY AND EXTREME CAUTION SHOULD BE TAKEN TO ENSURE THAT THE CIRCUITS BEING WORKED ON ARE ELECTRICALLY ISOLATED.
 5. THE EXISTING DISTRIBUTION NETWORK OPERATOR (DNO) METER AND FUSE CUT OUT COULD NOT BE LOCATED AT THE TIME OF THE SURVEY. IT IS BELIEVED TO BE LOCATED IN THE DNO SUBSTATION WHICH WILL REQUIRE THE DNO TO PROVIDE ACCESS.
 6. THE CABLE ROUTE BETWEEN THE DISTRIBUTION BOARD AND THE PLATFORMS COULD NOT BE ESTABLISHED AND IT IS NOT CLEAR HOW THE EXISTING CABLES CROSS THE TRACKS.
 7. CARE TO BE TAKEN WHEN LOCATING NEW PRESENCE DETECTOR TO ENSURE CORRECT OPERATION, TIME SETTING TO BE 15 MINUTES (ADJUSTABLE).

WAITING ROOM EQUIPMENT SCHEDULE					
ITEM	SUPPLIER	MODEL DETAILS	QUANTITY	DIMENSIONS L X W X H mm	ELECTRICAL DETAILS
LUMINAIRE	WHITECROFT	ACF DURALITE FLUORESCENT	6	1276 X 157 X 94	2 X 28W PER LUMINAIRE
HEATER	B N THERMIC	HIGH LEVEL WALL FAN ASSISTED HEATER MODEL 830	1	635 X 108 X 225	3.0kW 230V (SET TO OPERATE AT 2.0kW)
HEATER CONTROLLER	B N THERMIC	HC-T2 HARD CASE TAMPERPROOF ELECTRONIC CONTROL DEVICE	1	120 X 95 X 56.5	230V
HEATER CONTROLLER TOOL	B N THERMIC	HC-D SPECIAL TOOL FOR ACCESSING CONTROLLER	3	-	-
SOCKET	MK	LOCKABLE SWITCHSOCKET OUTLET (CLEANERS SOCKET)	1	146 X 36 X 86	230V 13A
CONNECTION UNIT	MK	UNSWITCHED FUSED CONNECTION UNIT	2	86 X 26.5 X 86	230V 13A
PRESENCE DETECTOR	MERLIN GERIN / SCHNIDER	"ARGUS" SURFACE MOUNTED WITH 360° DETECTION; REF: MTN550590 WITH SURFACE-MOUNTED HOUSING. TIME ADJUSTABLE SET TO 15 MINUTES	1	Ø60	230V



PROPOSED ELECTRICAL DISTRIBUTION SCHEMATIC
Scale: N.T.S.

LEGEND/NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH AND FORMS PART OF THE PROJECT DOCUMENTS LISTED BELOW:

CIVILS DESIGN SUBMISSION

BDG0117/CV/FORM2
BDG0117/CV/FORM3
BDG0117/CV/IDC
BDG0117/CV/DRA
BDG0117/CV/ECL
BDG0117/CV/SPEC
BDG0117/DRG/A001
BDG0117/DRG/A002
BDG0117/DRG/A003
BDG0117/DRG/A004
BDG0117/DRG/A005

STATEMENT OF DESIGN INTENT
CERTIFICATE OF DESIGN AND CHECK
INTERDISCIPLINARY DESIGN CHECK CERTIFICATE
DESIGNER RISK ASSESSMENT
ENVIRONMENTAL CHECKLIST
NRS SPECIFICATION / MODEL CLAUSES
EXISTING GA PLANS, ELEVATIONS & SECTIONS
PROPOSED ROOF PLANS & ELEVATIONS
PROPOSED GENERAL ARRANGEMENT PLAN & SECTIONS
TYPICAL DETAILS SHEET 1
TYPICAL DETAILS SHEET 2

M&E DESIGN SUBMISSION

BDG0117/ENG/FORM2
BDG0117/ENG/FORM3
BDG0117/CV/IDC
BDG0117/CV/DRA
BDG0117/DRG/E001
BDG0117/DRG/E002

STATEMENT OF DESIGN INTENT
CERTIFICATE OF DESIGN AND CHECK
INTERDISCIPLINARY DESIGN CHECK CERTIFICATE
DESIGNER RISK ASSESSMENT
EXISTING LIGHTING LAYOUT AND DISTRIBUTION SCHEMATIC
PROPOSED LIGHTING LAYOUT AND DISTRIBUTION SCHEMATIC
LAW ENGINEERING SPECIFICATION FOR ELECTRICAL INSTALLATIONS

COLOUR KEY:

RED - NEW
GREEN - TO BE REMOVED
BLUE - MODIFICATION TO EXISTING
BLACK - EXISTING

DRA RESIDUAL RISKS

DRA ITEM REF	DESCRIPTION
10	PLATFORMS NUMBERED INCORRECTLY. ENSURE THAT THE CORRECT ELECTRICAL CIRCUITS ARE ISOLATED (AS REQUIRED) WHEN UNDERTAKING WORKS.

KEY:

FL FLOOD LIGHT
LIGHTING COLUMN AND LUMINAIRE
CAMERA
JUNCTION BOX
HEATING CONTROLLER WITH TEMPERATURE SENSOR
UNSWITCHED FUSED CONNECTION UNIT

FLUORESCENT LUMINAIRE
CEILING MOUNTED HEATER
DISTRIBUTION BOARD
CABLE ROUTE
PRESENCE DETECTOR

REV	DATE	DESCRIPTION OF REVISIONS	DRAWN	CHKD	APPRO
P01	06/08/12	DRAFT ISSUE	WJ	IE	JW

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

THE HAZARDS AND RISKS ASSOCIATED WITH THE WORKS SHOWN ON THIS DRAWING AND DESCRIBED IN THE SCHEDULE OF WORKS ARE CONSIDERED TO BE WITHIN THE REASONABLE, NORMAL AND ACCEPTABLE LIMITS FOR GENERAL BUILDING AND MAINTENANCE WORKS. PLEASE REFER TO DESIGNER RISK ASSESSMENT

DOCUMENT REF: BDG0117/DRA

STATUS

DRAFT ISSUE

NetworkRail

INFRASTRUCTURE PROJECTS LINW
SQUARE ONE
4 TRAVIS STREET
MANCHESTER
M1 2NY

PROJECT: BDG0117

AIGBURTH CANOPY REFURBISHMENT

DRAWING TITLE

ELECTRICAL SERVICES
EXISTING LIGHTING LAYOUT AND ELECTRICAL DISTRIBUTION SCHEMATIC DIAGRAM

DESIGNED	SIGNED	DATE
W. JAMES	SIGNED	28/07/12

DRAWN	SIGNED	DATE
W. JAMES	SIGNED	28/07/12

CHECKED	SIGNED	DATE
L. EDGE	SIGNED	28/07/12

APPROVED	SIGNED	DATE
J. WINSTANLEY	SIGNED	28/07/12

SCALE(S) AT A1 SHEET SIZE 594 X 841

AS SHOWN

ALTERNATIVE REFERENCE

HSX1 3MILES 1716YARDS

123351/DRG/E002

DRAWING NUMBER

BDG0117/DRG/E002

REVISION

P01