A0



REFERENCE E2:
DEXTRA LIGHTING
BRASS ESCAPE ROUTE SIGNAGE



REFERENCE E3:
LED4S NM3 LE3 LED4S SURFACE, NON-MAINTAINED, STANDARD EMERGENCY 3 HOUR, 217LLM

DRAWING NOTES

SYMBOL	DESCRIPTION
	BLUE RING HIGHLIGHTS THE INTRODUCTION OF IMPROVED FIRE DETECTION DEVICES LOCATION ALONGSIDE THE NEW DEVICES WHICH ARE LOCATED IN EXISTING POSITION. THERE ARE A NUMBER OF CALL POINTS THAT ARE WIRELESS DEVICES THAT DO NOT REQUIRE ANY CABLING.

CONTAINMENT LEGEND

SYMBOL	DESCRIPTION
	GALVANISED STEEL TRUNKING
	GALVANISED STEEL *1/2/3/4* COMPARTMENT TRUNKING DROPPER/RISER
	200mm GALVANISED STEEL BASKET WITH 2no DIVIDER (POSSIBLE CLIPPED DIRECT FOLLOWING CONTRACTOR ADMINISTRATORS APPROVAL)
	300mm GALVANISED CABLE BASKET WITH 2no DIVIDER FOR BAND ONE, BAND TWO AND FIRE ALARM CABLES
	VERTICAL RISER FOR CONTAINMENT TO ELECTRICAL DISTRIBUTION BOARDS BETWEEN FLOOR
	TP&N / SP&N DISTRIBUTION BOARD *LP / L / P / D / CCTV*
	CONSUMER UNIT *LP / L / P / D / CCTV*
	SP&N ROTARY ISOLATOR
	200mm GALVANISED STEEL BASKET WITH 2no DIVIDER IN CEILING VOID
	FISH WIRES THROUGH FLOOR VOID (CLIPPED DIRECT IN WEST WING)

POWER NOTES

SYMBOL	DESCRIPTION
1	THE CONTRACTOR SHALL NOTE THAT THE EXISTING LOCATION OF THE SOCKET OUTLET IN THE DECORATIVE SKIRTING BOARD MUST BE RE-USED.
2	THE CONTRACTOR SHALL NOTE THAT ANY NEW LOCATIONS OF SOCKET OUTLETS SHALL BE APPROVED BY THE CONTRACT ADMINISTRATOR & WIRED IN BARE MICC CABLE CLIPPED ONTO THE SKIRTING BOARD OR TOP OF SKIRTING. PAINTED TO THE WALL & SKIRTING COLOUR RANGE.
3	THE CONTRACTOR SHALL INCLUDE TO SUPPLY & INSTALL UNISTRUT STRUCTURE AND HOUR FIRE RATED 18mm PLYWOOD - EURO CLASS B FULL HEIGHT, WIDTH OF WALL.

LIGHTING NOTES

SYMBOL	DESCRIPTION
1	THE CONTRACTOR SHALL INCLUDE TO TAKE DOWN EXISTING FITTINGS, TAKE TO CHELSOM, CLEAN REWIRE, RE-LAMP WITH LED, RETURN TO HEATON HALLAND INSTALL.
2	THE CONTRACTOR SHALL INCLUDE TO TAKE DOWN EXISTING FITTING FROM ROOM, TAKE TO CHELSOM, CLEAN, REWIRE, RE-LAMP WITH LED, RETURN TO HEATON HALL AND INSTALL TO ANOTHER ROOM.
3	THE CONTRACTOR SHALL INCLUDE TO SUPPLY AND INSTALL NEW LED LUMINAIRE AS PER CHELSOM SCHEDULE AND REMOVE & HAND OVER ALL EXISTING TO HEATON HALL.
4	DETAILS OF DECORATIVE LIGHTING, PENDANTS & CHANDELIERS ARE DETAILED IN THE LIGHTING SCHEDULE WITHIN THE SPECIFICATION BOTH NEW & REFURBISHED LUMINAIRES.

SMALL POWER LEGEND

SYMBOL	DESCRIPTION
	13 AMP SWITCHED FUSED SPUR CONNECTION UNIT
	30 mA RCD SINGLE SWITCHED SOCKET OUTLET
	30 mA RCD TWIN SWITCHED SOCKET OUTLET

PLANT CONTROL LEGEND

SYMBOL	DESCRIPTION
POP	PLANT CONTROL PANEL

DRAWING NOTES

1	THE CONTRACTOR SHALL INCLUDE TO SUPPLY AND INSTALL NEW UNISTRUT AND HOUR FIRE RATED PLYWOOD PANEL ACROSS THE FULL LENGTH AND HEIGHT OF THE WALL.

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
	20A SECRET KEY SWITCHED FUSED CONNECTION UNIT METAL CLAD FINISHED IN RED
FAP	FIRE ALARM PANEL
T	WIRELESS TRANSMITER

INTRUDER ALARM LEGEND

SYMBOL	DESCRIPTION
	CONTROL PANEL
A.PSU	POWER SUPPLY UNIT
EXP	REMOTE ZONE EXPANDER

INTRUDER ALARM LEGEND

SYMBOL	DESCRIPTION
A.PSU	INTRUDER ALARM POWER SUPPLY UNIT

LIGHTING LEGEND

SYMBOL	DESCRIPTION
	DECORATIVE SQUARE BULKHEAD
	ARCHITECTURAL CHANDELIER
	ARCHITECTURAL DECORATIVE PENDANT
	ARCHITECTURAL STAIRWELL BANISTER LIGHT
	PENDANT LUMINAIRE (SUPPLIED BY CLIENT)
	SURFACE WALL MOUNTED LUMINAIRE
	DEXTRA SURFACE MOUNTED DALI TRACK 3 CIRCUIT TRACK LIGHTING (WHITE)
	EXISTING RECESSED SQUARE SPOTS
	ARCHITECTURAL CIRCULAR DECORATIVE BULKHEAD
AP	ACCESS PANEL

LIGHTING CONTROLS LEGEND

SYMBOL	DESCRIPTION
IP65	ONE WAY GRID SWITCH
	TWO WAY GRID SWITCH
	INTERMEDIATE GRID SWITCH
SM	360° SURFACE MOUNTED PIR
LT	DEXTRA LONG THROW SENSOR

FIXED EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
	DIMPLEX 1.5KW PANEL HEATER C/W TIMECLOCK & THERMOSTAT PLYE RANGE. REF: PLY 150 E (SUPPLY NOT INCLUDED IN PANEL HEATER PROTECT)

UTILITIES LEGEND

SYMBOL	DESCRIPTION
M	ELECTRICITY METER
G	GAS METER

FIXED EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
	SUPPLY / EXTRACT FAN

MAINS DISTRIBUTION LEGEND

SYMBOL	DESCRIPTION
	MAIN SWITCHBOARD
	TP&N DISTRIBUTION BOARD
C	CONTACTOR
	TRANSFORMER
	CONSUMER UNIT
	SP&N ROTARY ISOLATOR

GENERAL NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ECS ELECTRICAL ENGINEERING SPECIFICATIONS.
2. THIS DRAWING IS INDICATIVE AND IS INTENDED TO HIGHLIGHT THE PROPOSED LOCATION FOR ELECTRICAL SERVICES. THE CONTRACTOR SHALL NOTE THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL INCLUDE TO PRODUCE THEIR OWN WORKING DRAWINGS, TAKE DETAILED SITE MEASUREMENTS, INDICATE THE PROVISION OF BUILDERS WORKS AND COORDINATE THE INSTALLATION OF ALL SERVICES.
3. THE CONTRACTOR SHALL NOTE THIS DRAWING HAS BEEN PRODUCED USING LIMITED SITE SURVEY INFORMATION. THE CONTRACTOR SHALL INCLUDE TO CARRY OUT AN INTRUSIVE SURVEY AND TO PRODUCE DRAWINGS THAT REFLECT THE INSTALLATION.
4. ALL EQUIPMENT SHALL BE INSTALLED & LOCATED TO MAINTAIN SPATIAL REQUIREMENTS TO FACILITATE ACCESS & MAINTENANCE IN LINE WITH MANUFACTURERS RECOMMENDATIONS AND GOOD PRACTICE GUIDES.
5. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.
6. DO NOT SCALE FROM THIS DRAWING.
7. ALL DETAILS ARE APPLICABLE TO EVERY DRAWING UNLESS INDICATED OTHERWISE.
8. THE CONTRACTOR SHALL INCLUDE TO IDENTIFY THE COMPLETE EXISTING ELECTRICAL INSTALLATION, EXTEND AND ADAPT TO FACILITATE THE PROPOSED WORKS

ABBREVIATIONS

/E	INTEGRATED EMERGENCY
/P**	DENOTES PROTECTION RATING
MC	METAL CLAD
RCD	RESIDUAL CURRENT DEVICE

LIGHTING LEGEND

SYMBOL	DESCRIPTION
A1	DEXTRA LIGHTING AMENITY PLUS IP65 LED BULKHEAD OPEN WHITE OPAL 1.947m (22.3W) REF: AMEX L30 - O/W
A1/E	AS ABOVE C/W 3 HOUR EMERGENCY LIGHTING FACILITY REF: AMEX L30 - O/W - LE3
A2	DEXTRA LIGHTING AMENITY EXTERIOR IP65 LED BULKHEAD C/W INTEGRAL PRESENCE SENSOR OPEN WHITE OPAL1.947m REF: AMEX L30 - O/W - R2SE
A2/E	AS ABOVE C/W 3 HOUR EMERGENCY LIGHTING FACILITY REF: AMEX L30 - O/W - R2SE - LE3
B1	DEXTRA LIGHTING TYPHON IP65 LINEAR 31.7W LED LUMINAIRE REF: TYP L54 PC55
B1/E	AS ABOVE WITH 3 HOUR EMERGENCY LIGHTING FACILITY REF: TYP L54 PC55 LE3
B2	DEXTRA LIGHTING TYPHON IP65 LINEAR 31.7W LED LUMINAIRE C/W INTEGRAL PRESENCE SENSOR REF: TYP L63-PC55-R2SE
B2/E	AS ABOVE WITH 3 HOUR EMERGENCY LIGHTING FACILITY REF: TYP L63/PC55/R2SE/LE3
C1	DEXTRA LIGHTING AMENITY DECORATIVE HALO RANGE 19.7W/119LM/W C/W INTEGRAL PRESENCE DETECTOR. REF: AMEDHL30/R2SE
C1/E	AS ABOVE WITH 3 HOUR EMERGENCY LIGHTING FACILITY REF: AMEDHL30/R2SE/LE3
D1	DEXTRA LIGHTING AMENITY PLUS CIRCULAR WHITE OPAL 14W (115LM/W) REF: AMCL20/WO
D1/E	AS ABOVE WITH 3 HOUR EMERGENCY LIGHTING FACILITY REF: AMCL20/WO/LE3
Y1	DEXTRAL LIGHTING - LED COLOUR CODE: 130WATT RGBW C54/49/RDM/40°/IP65/RAL 9006/ 410 x 310 x 60. REFERENCE CQE L130 - 4040-RGBW INCLUDING ALL CABLE POLES, PINS, CONTROLS ETC AS HIGHLIGHTED IN SPECIFICATION SECTION FOR EXTERNAL LIGHTING
X1	CONTRACTOR TO INCLUDE £200 PER LUMINAIRE (SUPPLY ONE). INCLUDE FOR INSTALLATION AND FINAL CONNECTIONS.
E1	EMERGENCY EXIT LUMINAIRE
E2	BRASS ESCAPE ROUTE SIGNAGE
E3	LED4S NM3 LE3 LED4S SURFACE, NON-MAINTAINED, STANDARD EMERGENCY 3 HOUR, 217LLM

IP65 X 5 INSTALLED IN 1P65 HEAVY DUTY ENCLOSURE FOR ROOF CCTV CAMERAS. LOCATED AT TOP OF STAIRS LEADING TO ROOF. RADIAL CIRCUIT FROM LP03.

ROOF TO PORTICO

LP05/5L2

LP05

LP02

CF.1 ORANGE BEDROOM

CF.2 DRESSING ROOM

CF.3 PINK BEDROOM

CF.4 DRESSING ROOM

CF.5 STORE

CF.6 STORE

REFURBISH EXISTING PENDANT

REFURBISH EXISTING GLOBE

REFURBISH EXISTING HAND IN GLOBE INSTALL NEW

NEW GLOBE

NEW

JOINT BOX HIGHLIGHTED TEST ON SITE

FLAMBEAU GLASS

INCLUDE TO SUPPLY & INSTALL 4No B1/E IN ROOF AREA ABOVE GRAND STAIRCASE & CUPOLA ROOM (LP02/4/5/L3)

EAST BEDROOM CF.7

HAND IN GLOBE INSTALL CHANDELIER FROM SALOON

FEED TO LIGHT BELOW

FROM CF9 YELLOW DRESSING AFTER REFURB

FROM YELLOW BEDROOM AFTER REFURB

SMALL SIX LAMP CHANDELIER

DRESSING ROOM CF.13

REPLACE EXISTING NEW GLOBE

FED FROM ABOVE

LP05/1L2 NEW POINT

LP05/1L2 CLIPPED ON SKIRTING

SERVICES FED FROM CEILING VOID

LP05/1L2 FED FROM ABOVE

RESTORE EXISTING VENTION GLOBE FROM SALOON AND IN HALL

PALM TREE BEDROOM CF.12

REMOVE LINO FLOORING

CF.14

CF.15

CF.S2

CF.S1

LED DRIVER

REFER TO SWITCHING ARRANGEMENTS FOR DECORATIVE LIGHTING TABLE

BACK TO BACK

SMOKE DETECTOR BELOW

REFURBISH EXISTING CHANDELIER

CUPOLA ROOM CF.11

YELLOW BEDROOM CF.10

REFURBISHED SMALL CHANDELIER FROM BILLARDS ROOM

REFURBISH EXISTING AND INSTALL IN SALOON AREA

INCLUDE TO SUPPLY & INSTALL 4No B1/E IN ROOF AREA ABOVE GRAND STAIRCASE & CUPOLA ROOM (LP02/4/5/L3)

NOTE: POWER FITTINGS TO BE WIRED FROM BELOW AND LIGHTING FITTINGS TO BE WIRED FROM ABOVE.

EF.1 STORE

EF.2 ASSISTANT KEEPER'S OFFICE

EF.3 STAFF LOCKER ROOM

EF.4 STAFF ROOM

REMOVE FLOOR PLYBOARDED AND LINO

LOCKED

CORRIDOR EF.C1

VOID

POWER WIRED THROUGH FLOOR VOID

LAID WITHIN FLOOR BOARDS

LIGHTING WIRED VIA LOFT VOID

ACCESS VIA ROOF HATCH

UPPER PART OF MUSIC ROOM (EG.4)

REFURBISH EXITING

INCLUDE TO SUPPLY/INSTALL 3No B1/E IN ROOF AREAS MUSIC & LIBRARY LOFT AREAS REF: LP02/4/5/L2

INCLUDE TO SUPPLY/ INSTALL 4No B1/E IN LOFT SPACE. (LP02/4/1/L3)

ROOF HATCH

UNABLE TO ACCESS LOFT SPACE ABOVE DOME CEILING

UPPER PART OF LIBRARY (EG.3)

NEW CHANDELIER

RELOCATE EXISTING LUMINAIRE TO INNER HALL AFTER REFURB

ROOF TO LOGGIA

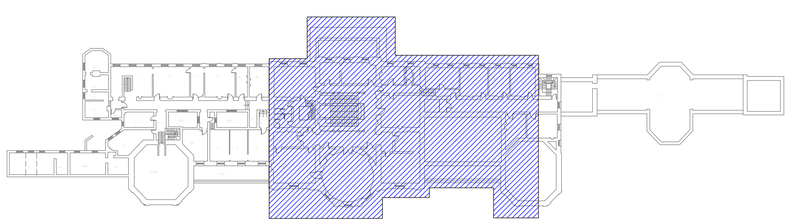
Continued on Drawing No. 24/100/E/06

Continued on Drawing No. 24/100/E/08

12 GANG 1 WAY GRID SWITCH FF	
1	CUPOLA ROOM
2	EAST BEDROOM
3	YELLOW BEDROOM/ DRESSING
4	PALM TREE BEDROOM/ DRESSING
5	ORANGE BEDROOM
6	PINK BEDROOM/ DRESSING
7	CF4, CF5, CF6
8	SMALL LOBBY, CF14, CF8

4 GANG 1 WAY GRID SWITCH GF	
1	SALON LARGE CHANDELIER
2	SALON SMALL CHANDELIER
3	SALON SMALL CHANDELIER
4	DINNING ROOM CHANDELIER

CAD original - not to be modified by hand



FIRST FLOOR PLAN

Rev.	Description	Revised By	Date
T3	TENDER ISSUE.	G.M.	May. 24
T2	TENDER ISSUE.	G.M.	Jan. 24
T1	TENDER ISSUE.	G.M.	Nov. 23

STATUS: TENDER

ecs CONSULTANTS
Building Services Consulting Engineers
148 Stockport Road
Cheadle, Cheshire, SK8 2DP
Tel: 0161 283 2882 Fax 0161 282 8825
Web Site: www.ecs-ecs.co.uk Email: sales@ecs-ecs.co.uk

JOB NO.	DRAWING NO.	COMPUTER FILE	REVISION
24/100	24/100/E/07	24_100_E_07	T3
DATE	SCALE	DRAWN	CHECKED
Feb. 2022	1:50 @ A0	J.P.	G.M.

JOB TITLE: Heaton Park Hall MCC
Planners Infomation

DRAWING TITLE: First Floor
Central Proposed
Lighting & Power