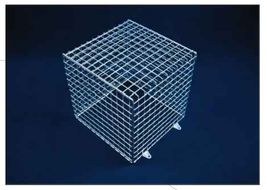
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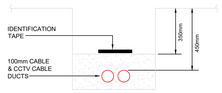




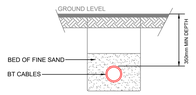
LIGHTING LEGEND

SYMBOL	DESCRIPTION
Y1	DEXTRAL LIGHTING - LED COLOUR CODE: 130WATT RGBW C84/4INRDM40/*IP65/RAL 9006/ 410 x 310 x 60. REFERENCE CGE L130 - 4040-RGBW INCLUDING ALL CABLE POLES, PINS, CONTROLS ETC AS HIGHLIGHTED IN SPECIFICATION SECTION FOR EXTERNAL LIGHTING
	60mm RED DUCTING FOR UNDERGROUND CABLE
	160mm PVC DUCTING FOR UNDERGROUND CABLE
	110mm PVC DUCTING USED FOR UNDERGROUND CABLE

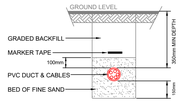
TYPES OF EXCAVATION



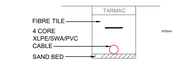
TYPICAL TRENCH DETAIL



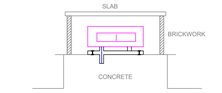
BURIED CABLES



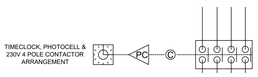
BURIED MAINS ELECTRICITY



CABLE INSTALLATION (TARMAC)



TYPICAL FLOODLIGHT DETAIL



TYPICAL EXTERNAL LIGHTING CONTROL

GENERAL NOTES

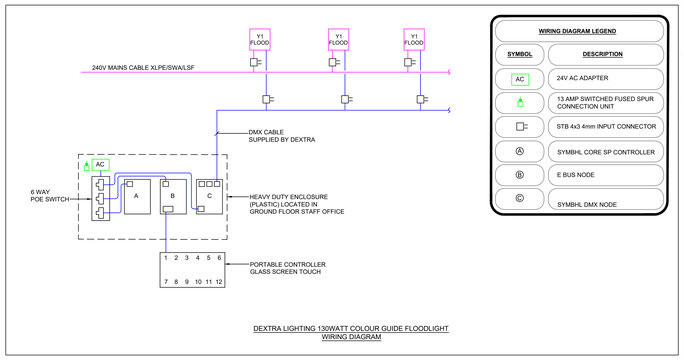
1	THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ECS ELECTRICAL ENGINEERING SPECIFICATIONS.
2	THIS DRAWING IS INDICATIVE AND IS INTENDED TO HIGHLIGHT THE PROPOSED LOCATION FOR ELECTRICAL SERVICES. THE CONTRACTOR SHALL NOTE THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR 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.

DRAWING NOTES

SYMBOL	DESCRIPTION
1	THE CABLES ARE TO BE DRAWN FROM THE BASEMENT SWITCHROOM AT THIS POINT AND RUN UNDER THE ROADWAY IN A PVC DUCTING TO MEET STANDARD AND IN GRASS AREA AND LAWN.
2	IF THERE IS AN EXISTING DUCT UNDER THE ROADWAYS CHECK IF ACCESSIBLE THROUGHOUT LENGTH AND INSTALL NEW CABLE - FOR TENDER PURPOSES INCLUDE FOR ALL NEW TRENCHING, EXCAVATION AND DUCTING.
3	ADD OR A HEAVY GAUGE STEEL WIRE UNIT (SEE PHOTO). THE CONTRACTOR SHALL INCLUDE A PROVISIONAL SUM OF £350 PER EXTERNAL LIGHT LOCATION (12No) TO COMMISSION A METAL FABRICATE SPECIALIST TO PRODUCE THE CAGE INCLUDING FOUNDATION BEAMS. NOTE; DETAIL AND DESIGN TO BE APPROVED BY CONTRACTOR ADMISSION.
4	THE CONTRACTOR SHALL INCLUDE TO UTILISE THE EXISTING UNDERGROUND CABLE ROUTE TO RE-SUPPLY THE NEW FLOODLIGHT ON THE EXISTING LIGHTING COLUMN.
5	THE CONTRACTOR SHALL NOTE THAT LP6 IS LOCATED IN THE BASEMENT MAIN SWITCH ROOM.
6	THE PRINCIPAL CONTRACTOR SHALL NOTE THAT ALL ELECTRICAL WORKS AND CIVIL WORKS TO SUPPLY AND INSTALL THE APPROPRIATE SIZED XLPE/SWA/PVC CABLE SERVING THE ORANGERY BUILDING FROM THE HEATON HALL BASEMENT ELECTRICAL SWITCH ROOM IS TO BE CARRIED OUT BY THE MAIN HALL PRINCIPAL CONTRACTOR REWIRE PROJECT MC CONSTRUCTION LTD
7	THE PRINCIPAL CONTRACTOR SHALL NOTE THAT MANCHESTER CITY COUNCIL CONSULTANT(ECS) ARE CURRENTLY IN DISCUSSIONS WITH ENWL TO ASCERTAIN OF THE ORANGERY BUILDING COULD HAVE A NEW INCOMING SUPPLY AND ASSOCIATED CUT OUT AND METERING FROM ENWL CABLING LOCATED NEAR THE ORANGERY REAR KITCHEN ACCESS POINT NOTE - PROVISIONAL SUM WILL BE INCLUDED WITHIN THE SPECIFICATION TO COVER THIS POSSIBILITY

LEGEND

SYMBOL	DESCRIPTION
	BP PLASTICS - B125 DUCT ACCESS CHAMBER KIT C/W COMPOSITE COVER + FRAME 450mm - 450mm - 640 DEPTH OR WHERE AGREED 300mm - 300mm - 640 DEPTH - NOTE - KNOCK OUT RANGE FOR DUCTING COVER 160mm, 110mm, 50mm - 40mm KNOCK OUT UNITS CAN BE DRILLED FROM INSIDE TO SUIT
	LUCY PILLAR FORTRESS ENCLOSURE - SINGLE DOOR SIZE CODE 12 - DIA. 1100mm(W), 400mm(D), 1294mm(H) BACK BOARD SIZE 1080mm x 1075mm



DEXTRA LIGHTING 130WATT COLOUR GUIDE FLOODLIGHT WIRING DIAGRAM

WIRING DIAGRAM LEGEND

SYMBOL	DESCRIPTION
AC	24V AC ADAPTER
A	13 AMP SWITCHED FUSED SPUR CONNECTION UNIT
	STB 4x3 4mm INPUT CONNECTOR
Ⓐ	SYMBHL CORE SP CONTROLLER
Ⓑ	E BUS NODE
Ⓒ	SYMBHL DMX NODE

Rev.	Description	Revised By	Date
T3	TENDER ISSUE.	G.M.	May. 2024
T2	TENDER ISSUE.	G.M.	Jan. 2024
T1	TENDER ISSUE.	G.M.	Nov. 2022

STATUS

TENDER ISSUE

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JOB NO.	DRAWING NO.	COMPUTER FILE	REVISION
24/100	24/100/E/29	24_100_E_29	T3
DATE	SCALE	DRAWN	CHECKED
Jun 2022	1:200@ A0	J.P.	G.M.

JOB TITLE
Heaton Park Hall

DRAWING TITLE
Site Layout
External Lighting To Hall
& Excavations, Ductwork and Foundations

CAD original - not to be modified by hand