

LEGEND OF SYMBOLS:

- A

DISKNO 862 LED PANEL R - 100x19 - CXL80

B

THORN 9200529 BROWN LED EYE BE LED 1550x340 HXFL L&K
T/F/E FITTING IS AN INTEGRATED NON - MAINTAINED EMERGENCY FITTING

C

THORN AQUAFORCE PRO / AQUAFRO S LED 2300 - 840 PC W6 H61

C/E

THORN AQUAFORCE PRO / AQUAFRO S LED 2300 - 840 PC W6 H61 E3

D

THORN CHALICE PRO / CHAL PRO LED 1100x340 BC R6B W6

F

IP65 THORN ERYON LED/EYE HA LED 1050 - 840 HFL 1 BK
T/F/E FITTING IS AN INTEGRATED NON - MAINTAINED EMERGENCY FITTING

G

OUTLEST WALLWASHER 20W

IR

RAYTEX W&R2-2-1 INFRARED ILLUMINATOR

E1

THORLUX FIRELY A&B EMERGENCY AUTOTEST TFF 17490 RECESSED NON - MAINTAINED

E2

THORLUX FIRELY CORRIDOR EMERGENCY AUTOTEST TFF 17491 RECESSED NON - MAINTAINED

E3

THORLUX EMERGENCY EXT SIGN NON - MAINTAINED

EX3

THORLUX EIGHT - 65 W MON - MAINTAINED

ON/OFF SWITCH

RETRACTIVE SWITCH FOR CONTROL OF DIMMING

K

KEY SWITCH LOCATED BESIDE ELECTRICAL DISTRIBUTION BOARD FOR TESTING EMERGENCY LIGHTING

S1

Type S1 Sensor - ABSENCE DETECTION - DAILERS - GULF-CENT

S2

Type S2 Sensor - PRESENCE DETECTION - DAILERS - GULF-CENT
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- GENERAL NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS INCLUDING ARCHITECTURAL, MECHANICAL, CIVIL & STRUCTURAL.
 2. BEFORE TENDERING THE CONTRACTOR SHALL MAKE HIMSELF FULLY ACQUAINTED BY HIS OWN INDEPENDENT OBSERVATIONS AND ENQUIRES AS TO THE NATURE, EXTENT AND PRACTICABILITY OF THE WORKS, THE SUPERIOR AND CONDITIONS AFFECTING LABOR AND GENERALLY OF ALL DETAILS AND MATERIALS TO BE USED IN THE WORKS. NO WORKMAN OR OTHER CLERK IN THE GROUNDS OF THE PROJECT OF KNOWLEDGE OF ANY OR ALL OF THE ABOVE-MENTIONED MATTERS SHALL BE ENTERTAINED BY THE EMPLOYER.
 3. ELECTRICAL CONTRACTOR SHALL TAKE FULL COGNIZANCE OF THE CDM HEALTH AND SAFETY PLAN AND PROVIDE FULL METHOD STATEMENTS FOR ANY HAZARDOUS OPERATIONS LISTED THEREIN. METHOD STATEMENTS SHALL ALSO BE PROVIDED FOR ANY HAZARDOUS OPERATION WHICH BECOMES APPARENT THROUGHOUT THE CONSTRUCTION PHASE.
 4. ALL NECESSARY SUPPORTS, FIXINGS, BRACKETERY COUPLERS, ETC FOR FIXING TO THE BUILDING FABRIC TO BE INCLUDED TO ENSURE SAFE, RIGID INSTALLATION.
 5. THE INSTALLATION SHALL BE CARRIED OUT USING 6491B/5F CABLES WITHIN GALVANISED TRUNKING FOR FINAL CIRCUITS. X/45E/SW/45F CABLES SHALL HAVE 1SF INSULATION AND INSTALLED AS INDICATED ON THE DRAWINGS. DROPS FROM TRUNKING IN TRAINING RANGE TO BE PVC CONDUIT TO ELIMINATE RICHES FROM METAL SURFACES.
 6. THE CONTRACTOR IS TO SUPPLY, INSTALL, TEST, DEMONSTRATE, COMMISSION AND PROVIDE TRAINING FOR ALL ELECTRICAL SYSTEMS IN ACCORDANCE WITH THE SCHEME AND SUPPLY ALL RELEVANT DOCUMENTATION TO THE ENGINEER PRIOR TO HANDOVER. THIS IS INCLUDED FOR ALL SYSTEMS.
 7. THE EXTENT OF THE WORKS REQUIRED TO COMPLETE THE INSTALLATION IS NOT LIMITED TO THAT NECESSARY TO PROVIDE A SAFE AND FULLY OPERATIONAL SYSTEM.
 8. CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE COORDINATION WITH ALL OTHER SERVICES. INDICATED ROUTES/EXTENTS ARE SHOWN FOR A GUIDE TO INTENDED ROUTES ONLY - FULL CO-ORDINATION BETWEEN ALL PARTIES/SERVICES SHALL BE CARRIED OUT. NO ADDITIONAL MONIES ARE AVAILABLE FOR LACK OF CO-ORDINATION.
 9. CONTRACTOR SHALL INCLUDE FOR THE FINAL CONNECTION OF ALL EQUIPMENT IRRESPECTIVE OF SUPPLIER.
 10. WHERE TRUNKING/TRAY/BASKET PASSES THROUGH FIRE BARRIERS, APPROPRIATE FIRE STOPPING SHALL BE INCORPORATED AROUND & INSIDE THE CONTAINMENT ROUTES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIRE STOPPING INTERNAL CONTAINMENT ROUTES WITH FIRESTOP SOLUTIONS, INCLUDING THE PROVISION OF FIRESTOP SOLUTIONS TO ALL PENETRATIONS THROUGH FIRE BARRIERS AND POWER SUPPLIES TO FACILITATE SYSTEMS INSTALLED BY SPECIALIST SUB-CONTRACTORS. I.E. TELEPHONE, SECURITY AND DATA INSTALLATIONS. THE ELECTRICAL SUB-CONTRACTOR SHALL LAISE WITH ALL SPECIALIST SUB-CONTRACTORS FOR EXACT REQUIREMENTS, AND FIRST FIX ITEMS.
 12. EXACT POSITION OF ALL OUTLETS/ACCESSORIES SHALL BE AGREED WITH THE ENGINEER/ARCHITECT PRIOR TO THE FIRST FIX. ALL OUTLETS TO BE INSTALLED IN ACCORDANCE WITH DDA REQUIREMENTS.
- LIGHTING NOTES:
1. THE GENERAL LIGHTING CIRCUITS SHALL BE WIRED UTILISING 1SF INSULATED SINGLE CORE CABLES DRAWN INTO GALVANISED STEEL TRUNKING AND CONDUIT. ALL TRUNKING AND CONDUITS SHALL BE CONCEALED IN THE FABRIC OF THE BUILDING TO PROVIDE A FLUSH INSTALLATION. FINAL CONNECTIONS SHOULD BE MADE USING PLUG-IN CEILING ROSES OR NAASHALLING BOXES.
 2. ALL RECESSED LUMINAIRES SHOULD BE SUPPORTED FROM THE BUILDING FABRIC UTILISING THREADED ROD SUPPORTS. RECESSED 600mm MODULAR LUMINAIRES SHALL BE COMPLETE WITH PLANT AND ACCESSORIES.
 3. EACH LUMINAIRE SHOULD BE PROVIDED WITH A DIAPHRAGM STICK ON CIRCUIT LABEL TO INDICATE THE DISTRIBUTION BOARD AND BOARD WAY THAT THE LUMINAIRE IS SUPPLIED FROM.
 5. EACH EMERGENCY LUMINAIRE SHOULD BE COMPLETE WITH A STICK ON REFERENCE LABEL THAT SHOULD CORRELATE WITH THE AS INSTALLED RECORD DRAWINGS.
 6. THE EMERGENCY LIGHTING, ESCAPE SIGNAGE SHALL BE INSTALLED AND COMMISSIONED TO CURRENT BS:5266 & BS:5499
 7. WITH THE ENGINEER/ CEILING CONTRACTOR PRIOR TO INSTALLATION
 8. ALL PIR SENSORS TO BE LINKED IN A BUS ARRANGEMENT.
 10. IIR LIGHTS TO BE ON THEIR OWN CIRCUITS
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Metropolitan Police
Service SFC SCO19
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- Drawing Title:
- PROPOSED GROUND FLOOR LIGHTING LAYOUT
TRAINING RANGE
- | Scale @ | A1 | Drawn | Date | Checked | Date | Approved | Date |
|-------------|--------|---------------|----------|---------|------|----------|------|
| 1:50 | RM | 06/20 | AF | 06/20 | CS | 06/20 | |
| Project No. | Office | Type | Revision | | | | |
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