

NOTES:

1. THIS DRAWING IS INDICATIVE ONLY AND SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION & ALL OTHER RELEVANT DRAWINGS
2. THIS DRAWING MUST NOT BE SCALED. WORK TO FIGURED & SITE OBTAINED DIMENSIONS ONLY.
3. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SETTING OUT AND SUPERVISING ALL BUILDERS WORK FOR COMPLETION BY THE MAIN CONTRACTOR.
4. THE ELECTRICAL SERVICES CONTRACTOR IS FULLY RESPONSIBLE FOR ON SITE CO-ORDINATION WITH ALL OTHER TRADES AND WITH EXISTING SERVICES.
5. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CO-ORDINATING THE ELECTRICAL SERVICES SO AS TO ENSURE A NEAT AND ACCESSIBLE INSTALLATION.
6. ALL CABLING SHALL BE RUN IN GALVANISED STEEL TRUNKING AND CONDUIT IN ACCORDANCE WITH THE SPECIFICATION. TRUNKINGS & CONDUITS TO BE PAINTED IN TO MATCH WALL COLOURS / TO CLIENT SELECTED COLOUR BY MAIN CONTRACTOR.
7. SEPARATE CONTAINMENT IS REQUIRED FOR POWER AND EXTRA LOW VOLTAGE SIGNAL CABLES WITH MINIMUM OF 300mm SEPARATION. ALL REDUNDANT EXISTING CONTAINMENT SHALL BE STRIPPED OUT AND DISPOSED OF OFF SITE.
8. ON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE TESTED AND DEMONSTRATED TO THE ENGINEER/CLIENT AND COMMISSIONED TO ENSURE THAT IT IS OPERATING ACCORDING TO THE DESIGN REQUIREMENTS.
9. ELECTRICAL CONTRACTOR, WITH RELEVANT SPECIALIST SUB CONTRACTORS SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORKS PRIOR TO SUBMITTING COMPLETED TENDERS, TO ENSURE ALL COSTS ARE INCLUDED. NO COSTS FOR UNFORESEEN WORK WILL BE ACCEPTED.
10. CONTRACTOR SHALL TAKE FULL COGNISANCE OF THE PRELIMINARY HEALTH AND SAFETY PLAN, AND PROVIDE FULL METHOD STATEMENTS FOR ALL HAZARDOUS OPERATIONS LISTED THEREIN. METHOD STATEMENTS SHALL ALSO BE PROVIDED FOR ANY HAZARDOUS OPERATION WHICH BECOMES APPARENT THROUGHOUT THE CONSTRUCTION PHASE.
11. NEW CAT 6 DATA OUTLETS SHALL CONNECT TO NEAREST AVAILABLE DATA COMMS CABINET

POWER & GENERAL SERVICES LEGEND

- DOUBLE POLE 20A SWITCH WITH NEON MK LOGIC PLUS K5423 WHI
- TWIN UNSWITCHED 13A FLUSH SOCKET OUTLET MK LOGICPLUS K781 WHI
- TWIN SWITCHED 13A FLUSH SOCKET OUTLET MK LOGICPLUS K2747 WHI
- TWIN SWITCHED 13A SURFACE SOCKET OUTLET MK METALCLAD PLUS K2946 ALM & K830 ALM (WITHOUT KNOCKOUTS)
- FUSED SPUR OUTLET WITH NEON MK METALCLAD PLUS K942 ALM & K8821 (WITHOUT KNOCKOUTS)
- FUSED SWITCHED SPUR OUTLET WITH NEON MK METALCLAD PLUS K982 ALM & K8821 (WITHOUT KNOCKOUTS)
- SINGLE IP 44 100V 16A SURFACE SOCKET OUTLET MK COMMANDO K9200YEL
- SWITCHBOARD DETAILS AS SHOWN
- THREE COMPARTMENT DADO TRUNKING MK PRESTIGE PLUS PROFILE L
- TWO COMPARTMENT BENCH TRUNKING MK PINNACLE PTS/2 WHI C/W ACCESSORIES AS REQUIRED

- 32 AMP SINGLE PHASE LOCAL ISOLATOR
- 32 AMP THREE PHASE LOCAL ISOLATOR
- KEY STOP SWITCH - ISOLATES ALL POWER WITHIN THE CLASSROOM VIA CONTACTOR IN THE THE SUB BOARD
- CEILING HUNG AIR FILTRATION UNIT SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR - WIRING ONLY BE ELECTRICAL CONTRACTOR
- UNDERSINK WATER HEATER SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR - WIRING ONLY BE ELECTRICAL CONTRACTOR
- ROOM THERMOSTAT - 230V TYPE TO CONTROL ROOM HEATING 2 PORT VALVE - SUPPLIED BY MECHANICAL CONTRACTOR WIRING ONLY IN ELECTRICAL CONTRACT - POWER FROM A DEDICATED SPUR CIRCUIT
- 2 PORT MOTORISED VALVE FOR HEATING 230V TYPE SUPPLIED & INSTALLED BY MECHANICAL CONTRACTOR WIRING ONLY IN ELECTRICAL CONTRACT

COMMUNICATIONS LEGEND

- SURFACE MOUNTED CAT 6 RJ45 DATA OUTLET WIRED IN CAT 6 4 PAIR UTP DATA CABLES - MK ELECTRIC METALCLAD PLUS K292 ALM & K3702 PLATE & FRAME AND K5846 WHI OUTLET
- TWIN DADO TRUNKING MOUNTED CAT 6 RJ45 DATA OUTLETS WIRED IN CAT 6 4 PAIR UTP DATA CABLES - MK ELECTRIC LOGIC PLUS K182 WHI PLATE & 2 No. K5846 WHI OUTLETS
- NEW WI-FI ACCESS HUB FOR EXTENSION - TO BE COMPATIBLE WITH / MATCH EXISTING SCHOOL WI-FI ACCESS SYSTEM
- NEW PUBLIC ADDRESS SPEAKER SUITABLE FOR CONNECTION TO EXISTING PA SYSTEM LOCATED IN MAIN ADMIN OFFICE

LEGEND CABLE CONTAINMENT SYSTEMS

- GALVANISED STEEL TRUNKING FOR LOW VOLTAGE (LV) POWER CABLES (SIZES AS SHOWN / MINIMUM 50 X 50)
- MEDIUM DUTY GALVANISED STEEL TRAY FOR LOW VOLTAGE CABLES (SIZES AS SHOWN)
- MEDIUM DUTY GALVANISED STEEL CABLE TRAY FOR EXTRA LOW VOLTAGE CABLES (EXISTING)

T0	TENDER ISSUE	SR	JF	JF	29/06/17
REV	DESCRIPTION	BY	CHK	APP	DATE

Client:

BOARD OF MANAGEMENT CBS THURLES  
ROSSA STREET, THURLES  
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CBS THURLES SECONDARY SCHOOL  
PROPOSED EXTENSIONS WORKS 2017

Drawing Title:

PROPOSED EXTENSIONS  
POWER & GENERAL SERVICES LAYOUTS

Scale @ A1 1:100	Drawn SR	Checked JF	Approved J. Fahey	Date 29/06/17
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APPROVAL ☐ INFORMATION ☐ TENDER ☒ CONTRACT ☐ CONSTRUCTION ☐

A PROPOSED TECHNOLOGY & WOODWORK ROOM LAYOUT

EP-01 SCALE:- 1:100

B PROPOSED NEW CLASSROOMS & SCIENCE ROOM EXTENSIONS LAYOUT

EP-01 SCALE:- 1:100