GENERAL NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.

2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.

3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.

4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES:

1. EXISTING MALE WC HAND DRYERS AND ASSOCIATED POWER SUPPLIES TO BE RETAINED.

2. EXISTING FEMALE WC AND BABY CHANGING HAND DRYERS AND WATER HEATERS PLUS ASSOCIATED POWER SUPPLIES TO BE RETAINED.

3. EXISTING KITCHEN WIRING ACCESSORIES AND CABLING TO BE RETAINED.

LEGEND:

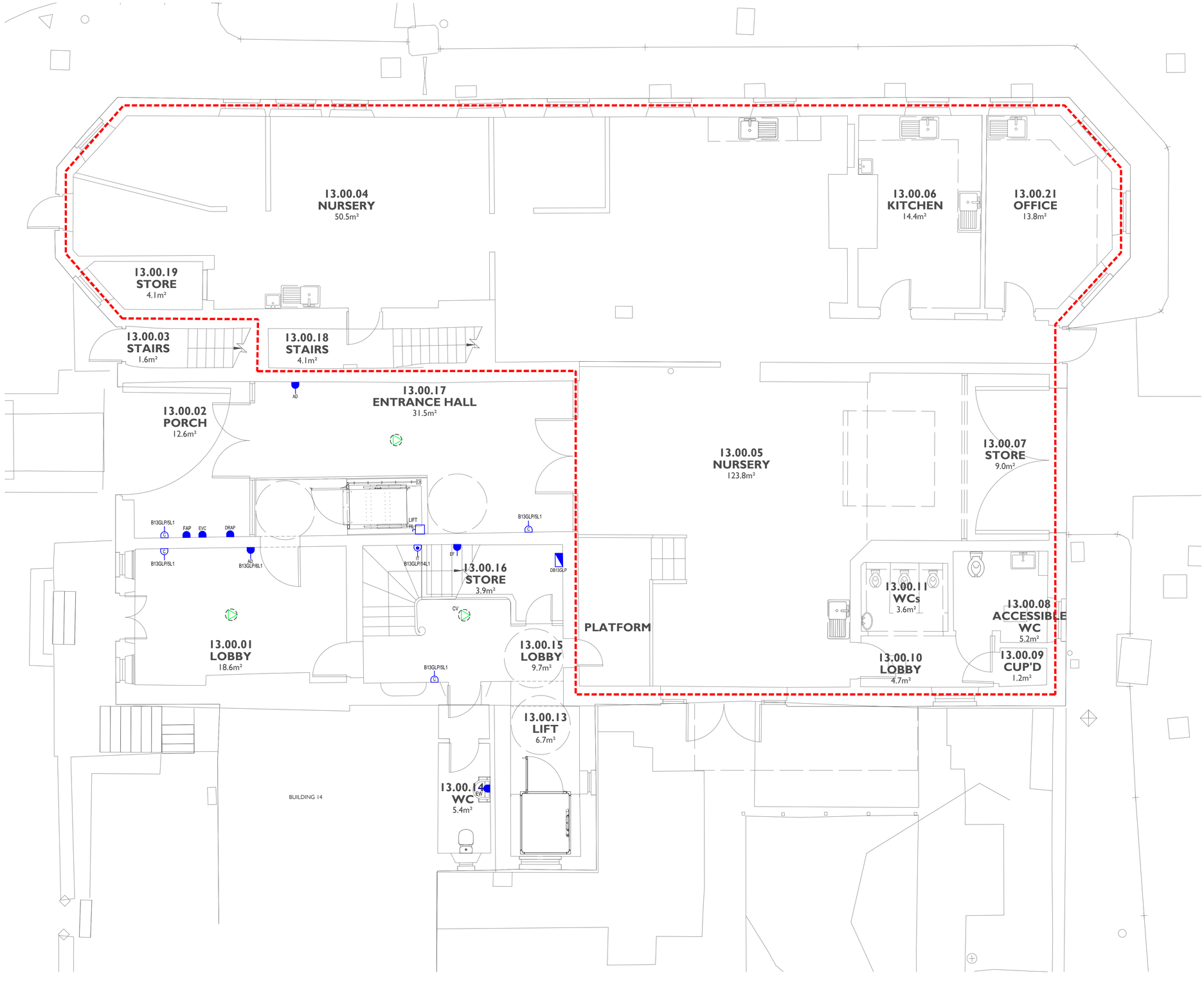
- C — CLEANERS SOCKET OUTLET AT 450mm AFFL
- 2 — SWITCHED TWIN SOCKET OUTLET
- UNSWITCHED SINGLE SOCKET OUTLET
- D 2 — TWIN DATA SOCKET OUTLET
- SWITCHED CONNECTION UNIT
- BS EN40309-1 INDUSTRIAL OUTLET, TYPE AND RATING AS NOTED
- WIFI ACCESS POINT, CEILING MOUNTED
- DADO TRUNKING
- MECHANICAL HVAC/BMS CONTROL PANEL
- EX — DENOTES EXISTING

KEY TO WIRING ACCESSORIES

- EF — 13AMP SURFACE MOUNTED UNSWITCHED FUSED CONNECTION UNIT LOCATED IN CEILING VOID FOR CLEANERS STORE EXTRACT FAN. FINAL CONNECTION VIA HEAT RESISTANT FLEXIBLE CABLE.
- HO — 13AMP FUSED CONNECTION UNIT MOUNTED IN ACCESSIBLE LOCATION FOR DOOR TO DOOR DÉTENTES POWER SUPPLY UNIT.
- IT — SWITCH INTERLOCKED BSEN60309 INDUSTRIAL OUTLET , WALL MOUNTED AT 1800 AFFL TO SERVE WALL MOUNTED IT CABINET.
- EW — 13AMP SURFACE MOUNTED METAL CLAD FUSED CONNECTION UNIT FOR ELECTRIC WATER HEATER. FINAL CONNECTION VIA HEAT RESISTANT FLEXIBLE CABLE.
- HRU — 13AMP SURFACE MOUNTED METAL CLAD FUSED CONNECTION UNIT FOR MEETING ROOM HEAT RECOVERY UNIT LOCATED IN ROOF VOID. FCU TO BE LOCATED ADJACENT TO THE HRU IN ROOF VOID.

KEYS TO HEIGHTS

- H/L — HIGH LEVEL, 2000mm AFFL
- M/L — MID LEVEL 1000mm AFFL
- D/L — DADO LEVEL 800mm AFFL TO BOTTOM EDGE
- L/L — 450mm AFFL
- A/B — 150mm ABOVE BENCH



This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITBALE FOR TENDER	RC	MMc
P03	25.08.23	UPDATED FOR WS4	BM	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

TGA Consulting Engineers LLP.
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED SMALL POWER AND DATA LAYOUT
GROUND FLOOR
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability: Code D2 — Description FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-00-DR-E-62001

GENERAL NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES:

1. EXISTING MALE WC HAND DRYERS AND ASSOCIATED POWER SUPPLIES TO BE RETAINED.
2. EXISTING FEMALE WC AND BABY CHANGING HAND DRYERS AND WATER HEATERS PLUS ASSOCIATED POWER SUPPLIES TO BE RETAINED.
3. EXISTING KITCHEN WIRING ACCESSORIES AND CABLING TO BE RETAINED.

LEGEND:

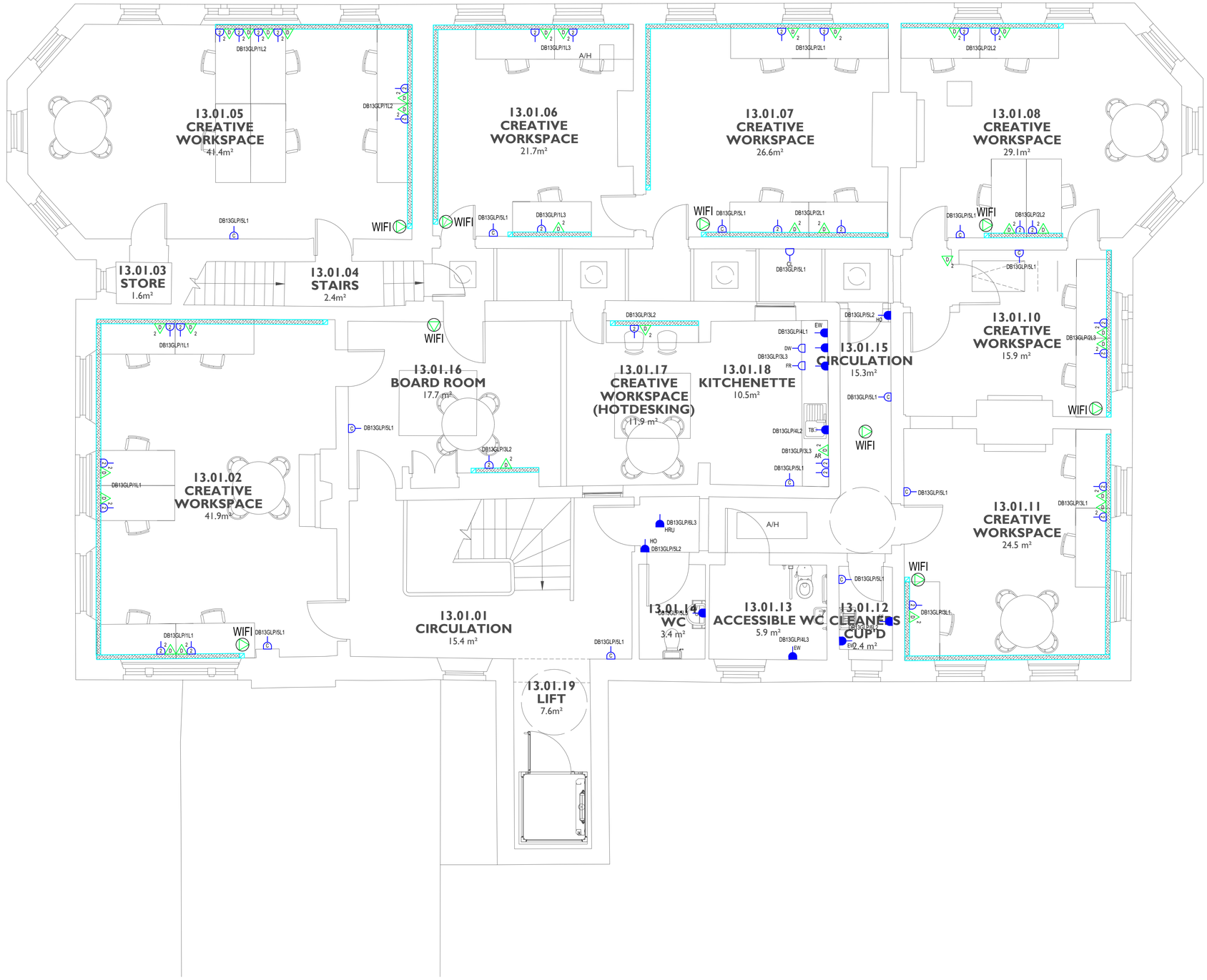
- C CLEANERS SOCKET OUTLET AT 450mm AFFL
- 2 SWITCHED TWIN SOCKET OUTLET
- UNSWITCHED SINGLE SOCKET OUTLET
- D TWIN DATA SOCKET OUTLET
- SWITCHED CONNECTION UNIT
- BS EN40309-1 INDUSTRIAL OUTLET, TYPE AND RATING AS NOTED
- WIFI ACCESS POINT, CEILING MOUNTED
- DADO TRUNKING
- MECHANICAL HVAC/BMS CONTROL PANEL
- EX DENOTES EXISTING

KEY TO WIRING ACCESSORIES

- EF 13AMP SURFACE MOUNTED UNSWITCHED FUSED CONNECTION UNIT LOCATED IN CEILING VOID FOR CLEANERS STORE EXTRACT FAN. FINAL CONNECTION VIA HEAT RESISTANT FLEXIBLE CABLE.
- HO 13AMP FUSED CONNECTION UNIT MOUNTED IN ACCESSIBLE LOCATION FOR DOOR TO DOOR DETENTES POWER SUPPLY UNIT.
- IT SWITCH INTERLOCKED BSEN60309 INDUSTRIAL OUTLET , WALL MOUNTED AT 1800 AFFL TO SERVE WALL MOUNTED IT CABINET.
- EW 13AMP SURFACE MOUNTED METAL CLAD FUSED CONNECTION UNIT FOR ELECTRIC WATER HEATER. FINAL CONNECTION VIA HEAT RESISTANT FLEXIBLE CABLE.
- HRU 13AMP SURFACE MOUNTED METAL CLAD FUSED CONNECTION UNIT FOR MEETING ROOM HEAT RECOVERY UNIT LOCATED IN ROOF VOID. FCU TO BE LOCATED ADJACENT TO THE HRU IN ROOF VOID.

KEYS TO HEIGHTS

- H/L HIGH LEVEL. 2000mm AFFL
- M/L MID LEVEL 1000mm AFFL
- D/L DADO LEVEL 800mm AFFL TO BOTTOM EDGE
- L/L 450mm AFFL
- A/B 150mm ABOVE BENCH



This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	MMc
P03	25.08.23	UPDATED FOR WS4	BM	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project

ELSECAR: FORGING AHEAD

Title

ELECTRICAL ENGINEERING SERVICES
PROPOSED SMALL POWER AND DATA LAYOUT
FIRST FLOOR
BUILDING 13

Architect

PURCELL

Client

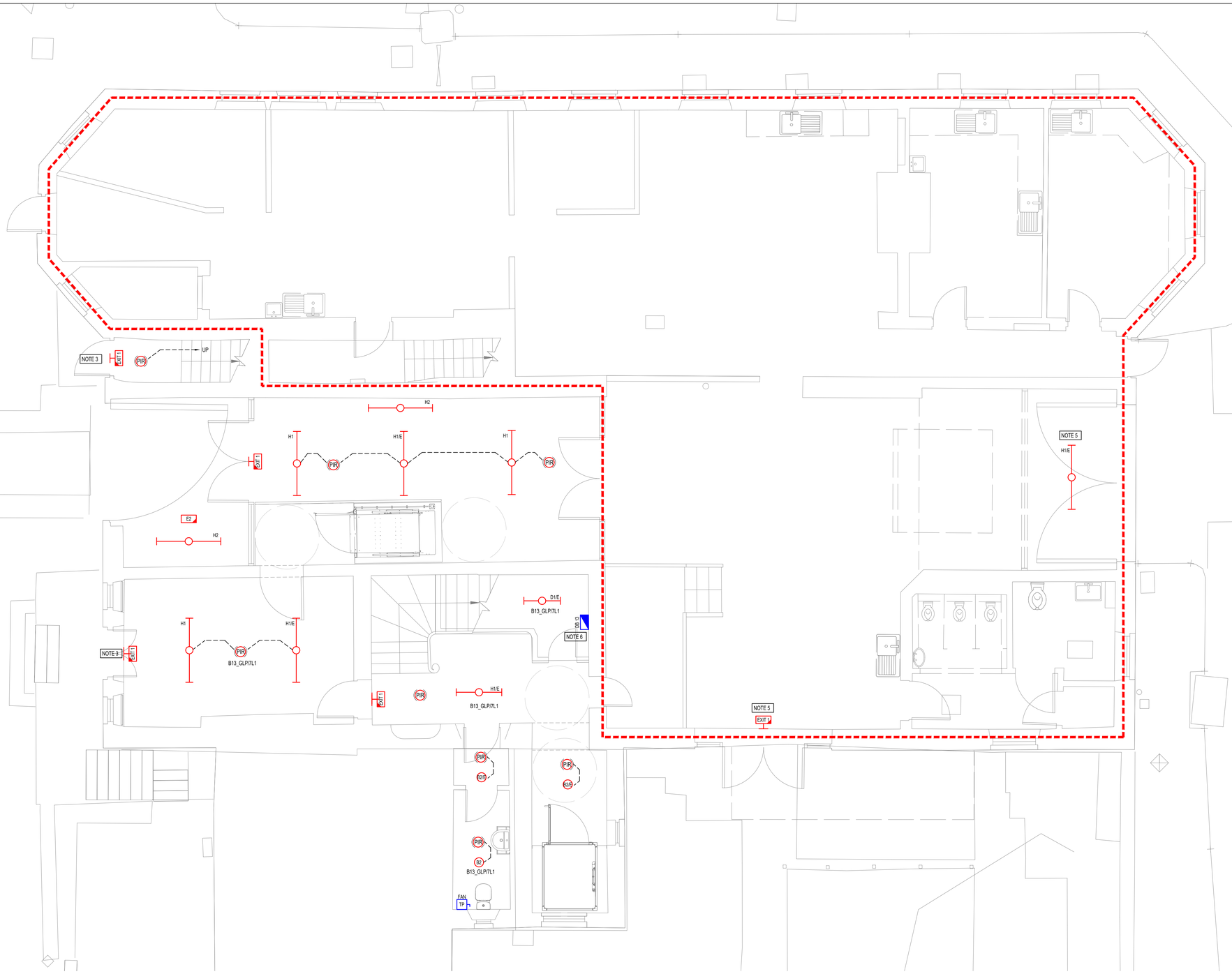
BARNSLEY MBC

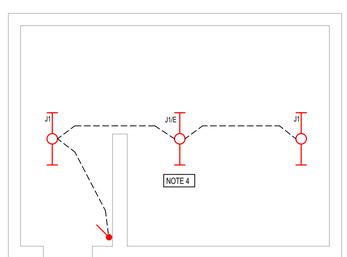
Suitability: Code D2 Description FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number

EFAS-TGA-13-01-DR-E-62001





BASEMENT

LEGEND:

A1 SUSPENDED INDIRECT/DIRECT LINEAR 1500 LENGTH LED LUMINAIRE WITH LG3 UGR19 COMPLIANT OPTIC, OPAL DIFFUSER AND CR4 STEEL BODY WITH WHITE TBC POLYESTER COATED BODY. IP20, 5020 LUMEN OUTPUT. AS DEXTRA RUBIX SUSPENDED - RBX BD L60.

A1/E SUSPENDED INDIRECT/DIRECT LINEAR 1500 LENGTH LED LUMINAIRE WITH LG3 UGR19 COMPLIANT OPTIC, OPAL DIFFUSER AND CR4 STEEL BODY WITH WHITE TBC POLYESTER COATED BODY. IP20, 5020 LUMEN OUTPUT. AS DEXTRA RUBIX SUSPENDED. COMPLETE WITH 3 HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY - AS DEXTRA RUBIX SUSPENDED RBX BD L60 LS3.

B1 RECESSED CIRCULAR LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL. IP40 1951 LUMEN OUTPUT. AS DEXTRA BTEC - BTEC L22

B1/E RECESSED CIRCULAR LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL. IP40 1951 LUMEN OUTPUT. AS DEXTRA BTEC. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY BTEC L22 LS3.

B2 RECESSED CIRCULAR LED DOWNLIGHTER WITH 220MM DIA WHITE BEZEL. IP40 2571 LUMEN OUTPUT. AS DEXTRA BTEC L30

B2/E RECESSED CIRCULAR LED DOWNLIGHTER WITH 220MM DIA WHITE BEZEL. IP40 2571 LUMEN OUTPUT. AS DEXTRA BTECAS ABOVE. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA BTEC L30 LS3.

B3 WALL MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR AS DEXTRA AMED - AMED L40 + AMED AWR.

B3/E WALL MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR. COMPLETE WITH 3 HOUR EMERGENCY BATTERIES AND SELF TEST FACILITY AS DEXTRA AMED - AMED L40 LS3 + AMED AWR

B4 CEILING MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR. AS AMED L40 + AMED AWR

B4/E CEILING MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR. COMPLETE WITH 3 HOUR EMERGENCY BATTERIES AND SELF TEST FACILITY AS DEXTRA AMED - AMED L40 LS3 + AMED AWR

C1 RECESSED CIRCULAR SHALLOW PROFILE LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL AND SPECULAR REFLECTOR. IP40. 1,911 LUMEN OUTPUT. AS DEXTRA RTEC - RTEC L22R

C1/E RECESSED CIRCULAR SHALLOW PROFILE LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL AND SPECULAR REFLECTOR. IP40. 1,911 LUMEN OUTPUT. AS DEXTRA RTEC. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA RTEC - RTEC L22R LS3

D1 SURFACE MOUNTED LINEAR LED BATTEN 1200 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER, SUPPLIED WITH INTEGRAL PRESENCE DETECTION, IP 20 AS DEXTRA ECOPAK SENSOR. AS DEXTRA ELOPAK SENSOR - ECOPAK L38 R25E

D1/E SURFACE MOUNTED LINEAR LED BATTEN 1200 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER, SUPPLIED WITH INTEGRAL PRESENCE DETECTION, IP 20 AS DEXTRA ECOPAK SENSOR. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA ECOPAK SENSOR - ECOPAK L38 R25E.

D2 SURFACE MOUNTED LINEAR LED BATTEN 1500 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER. IP 20 AS DEXTRA ECOPAK - EPK L35

D2/E SURFACE MOUNTED LINEAR LED BATTEN 1500 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER. IP 20 AS DEXTRA ECOPAK. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA ECOPAK - EPK L35 LS3

F1 SURFACE MOUNTED CANISTER DOWNLIGHT WITH ALUMINIUM POWDER COATED BLACK RAL9005 PAINT FINISH AND CLEAR GLASS COVER AMD ALUMINIUM RELFECTOR. IP20, 2796 LUMENS. AS DEXTRA COMTEC - CTEC L30 BLACK + BL CTEC S CG

G1 RECESSED LINEAR 1500 LENGTH LED LUMINAIRE WITH ALUMINUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY - RWYR 1500 L22 OP

H1 SUSPENDED 1500 LENGTH LINEAR LED LUMINAIRE WITH EXTRUDED IP20 ALUMINUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY - RWY 1500 L60 BD OP WH

H1/E SUSPENDED 1500 LENGTH LUMINAIRE WITH EXTRUDED IP20 WHITE ALUMINUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY - RWY 1500 L60 BD OP WH LS3

H2 WALL MOUNTED LINEAR LED BI DIRECTIONAL (75/25) LUMINAIRE. MOUNTED AT 2700 AFFL. 4244 LUMEN OUTPUT. WITH EXTRUDED BLACK ALUMINIUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY WALL - RWY 1500 L60 BD BL

J1 SURFACE MOUNTED LINEAR LED 1200mm LENGTH LUMINAIRE WITH GRP BODY AND POLYCARBONATE DIFFUSER. IP65. AS DEXTRA HYDRA - HYDL26PC45.

J1/E SURFACE MOUNTED LINEAR LED 1200mm LENGTH LUMINAIRE WITH GRP BODY AND POLYCARBONATE DIFFUSER. IP65. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY HYDL26PC45.

E1 RECESSED NON-MAINTAINED 3HR EMERGENCY LUMINAIRE, WITH LITHIUM IRON PHOSPHATE BATTERY. COMPLETE WITH THREE EASILY INTERCHANGEABLE LENSES FOR OPEN AREA (ANTI PANIC), ESCAPE ROUTE AND SPOT APPLICATIONS. AS DEXTRA LED4 - LED4R NM3 LS3

E2 SURFACE MOUNTED EMERGENCY NON MAINTAINED BULKHEAD LUMINAIRE. SUPPLIED WITH LITHIUM IRON PHOSPHATE BATTERY AND AUTOMATIC SELF TEST FUNCTIONALITY. AS DEXTRA AME2 - AME2 NM3 LS3

EXIT1 SURFACE MOUNTED LED ILLUMINATED EXIT SIGN WITH PICTOGRAM. WITH SELF TEST FACILITY. AS DEXTRA EX13 - EX13 NM3 LS3

EXIT2 SURFACE MOUNTED LED ILLUMINATED EXIT SIGN WITH PICTOGRAM. 395mm HEIGHT FOR INCREASED VIEWING DISTANCE. WITH SELF TEST FACILITY. AS DEXTRA EXIXL - EXIXL NM3 IP20 LS3

EXIT3 2 SEMI RECESSED LED: ILLUMINATED EXIT SIGN WITH 3hr INTEGRAL LITHIUM BATTERIES AND SELF TEST FACILITY AS DEXTRA OAT2 - OAT2 NM3 LE3 AT3

PIR CEILING MOUNTED MOTION SENSOR - MICROWAVE

INDICATED LUMINAIRE SWITCHING GROUP

XG 1 GANG 1 WAY LIGHT SWITCH, 'XG' DENOTES No. OF GANGS

XG 1 GANG 2 WAY LIGHT SWITCH, 'XG' DENOTES No. OF GANGS

XG 1 GANG WIRELESS LIGHT SWITCH, XG DENOTES No. OF GANGS

FAN TP TP ISOLATOR, ENGRAVED 'FAN' FOR SUPPLY TO LOCAL EXTRACT FAN. WIRED FROM LOCAL LIGHTING CIRCUIT

EXTENT OF NURSERY DEMISE - NO WORKS UNLESS INDICATED.

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

GENERAL NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES:

1. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH BS7671:2018 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, INCLUDING ALL AMENDMENTS
2. ALL EMERGENCY LUMINAIRES TO BE WIRED FROM THE LOCAL LIGHTING CIRCUIT, TEST KEY SWITCHES ARE NOT REQUIRED.
3. REFER TO DRAWINGS EFAS-TGA-13-ZZ-DR-E-63001 & 63002 FOR DETAILS OF EXTERNAL LIGHTING AND EXTERNAL EMERGENCY LUMINAIRES FOR FINAL EXITS
4. EXISTING BASEMENT PLANT ROOM CONTAINMENT AND SWITCH POSITION TO BE REUSED. CIRCUIT TO BE WIRED IN XLPE/SWA CABLE ON EXISITNG CABLE TRAY FROM DB TO FIRST LUMINAIRE THEN 6491B CABLING THEREAFTER
5. NEW LUMINAIRES TO BE WIRED INTO EXISTING LOCAL LIGHTING CIRCUIT
6. EXTERNAL LIGHTING CONTROLS, INCLUDING OVER RIDE SWITCH TO BE LOCATED ADJACENT TO NEW DISTRIBUTION BOARDS

REV	DATE	DESCRIPTION	DRAWN	APP
P05	29.09.23	SUITABLE FOR TENDER	DB	MMc
P04	22.09.23	SUITABLE FOR TENDER	DB	MMc
P03	25.08.23	UPDATED FOR WS4	BM	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	ISSUED FOR STAGE 3	LC	JD

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED GENERAL AND EMERGENCY LIGHTING LAYOUT
GROUND FLOOR
BUILDING 13

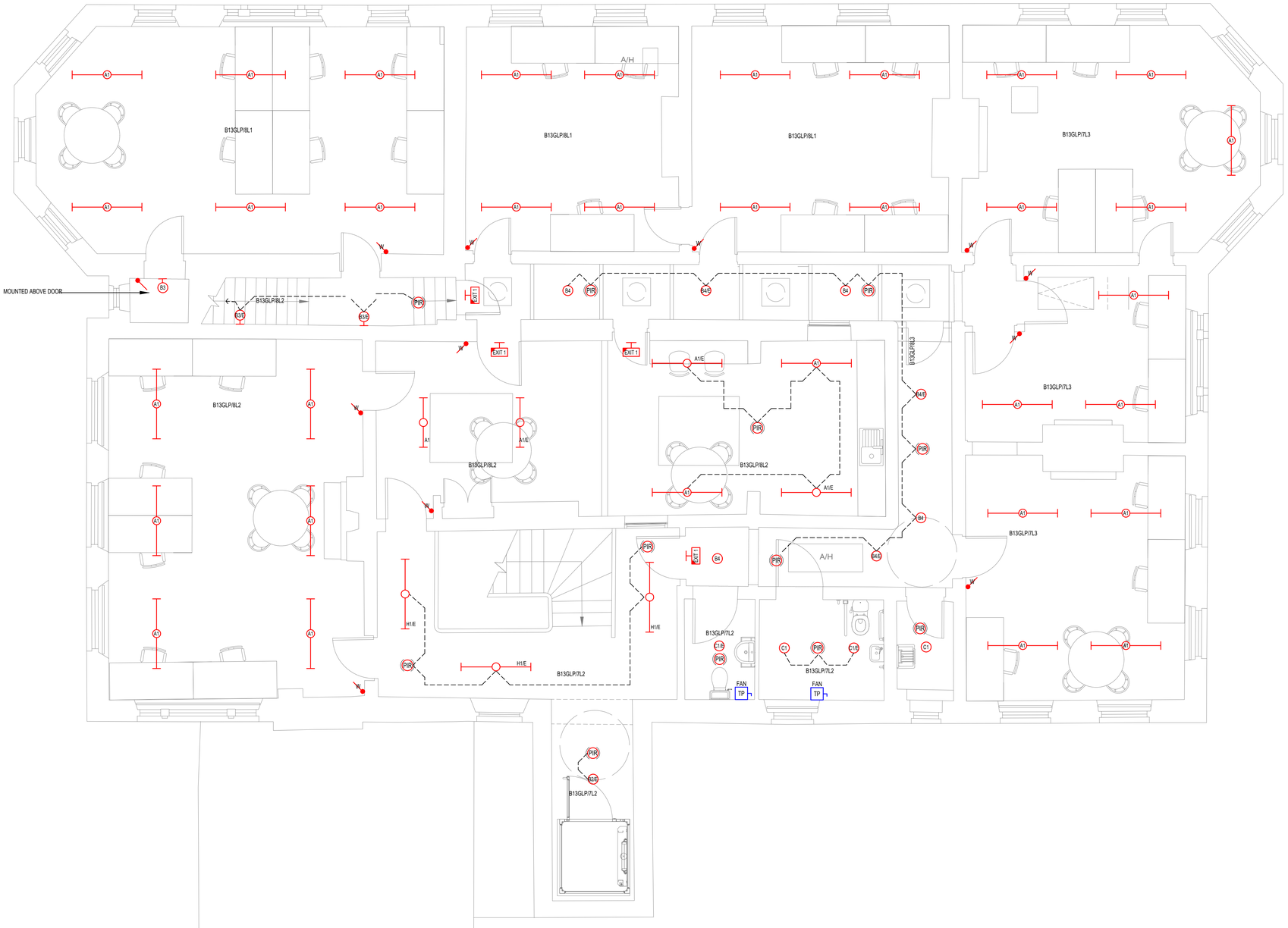
Architect
PURCELL

Client
BARNSLEY MBC

Suitability: Code D2 Description FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P05	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-00-DR-E-63001



LEGEND:

A1 SUSPENDED INDIRECT/DIRECT LINEAR 1500 LENGTH LED LUMINAIRE WITH LG3 UGR19 COMPLIANT OPTIC, OPAL DIFFUSER AND CR4 STEEL BODY WITH WHITE TBC POLYESTER COATED BODY. IP20, 5020 LUMEN OUTPUT. AS DEXTRA RUBIX SUSPENDED - RBX BD L60.

A1/E SUSPENDED INDIRECT/DIRECT LINEAR 1500 LENGTH LED LUMINAIRE WITH LG3 UGR19 COMPLIANT OPTIC, OPAL DIFFUSER AND CR4 STEEL BODY WITH WHITE TBC POLYESTER COATED BODY. IP20, 5020 LUMEN OUTPUT. AS DEXTRA RUBIX SUSPENDED. COMPLETE WITH 3 HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY - AS DEXTRA RUBIX SUSPENDED RBX BD L60 LS3.

B1 RECESSED CIRCULAR LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL. IP40 1951 LUMEN OUTPUT. AS DEXTRA BTEC - BTEC L22

B1/E RECESSED CIRCULAR LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL. IP40 1951 LUMEN OUTPUT. AS DEXTRA BTEC. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY BTEC L22 LS3.

B2 RECESSED CIRCULAR LED DOWNLIGHTER WITH 220MM DIA WHITE BEZEL. IP40 2571 LUMEN OUTPUT. AS DEXTRA BTEC L30

B2/E RECESSED CIRCULAR LED DOWNLIGHTER WITH 220MM DIA WHITE BEZEL. IP40 2571 LUMEN OUTPUT. AS DEXTRA BTECAS ABOVE. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA BTEC L30 LS3.

B3 WALL MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR AS DEXTRA AMED - AMED L40 + AMED AWR.

B3/E WALL MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR, COMPLETE WITH 3 HOUR EMERGENCY BATTERIES AND SELF TEST FACILITY AS DEXTRA AMED - AMED L40 LS3 + AMED AWR

B4 CEILING MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR. AS AMED L40 + AMED AWR

B4/E CEILING MOUNTED CIRCULAR LED LUMINAIRE WITH POLYCARBONATE MATT WHITE BODY AND OPAL DIFFUSER. SUPPLIED WITH INTEGRAL MOTION SENSOR. COMPLETE WITH 3 HOUR EMERGENCY BATTERIES AND SELF TEST FACILITY AS DEXTRA AMED - AMED L40 LS3 + AMED AWR

C1 RECESSED CIRCULAR SHALLOW PROFILE LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL AND SPECULAR REFLECTOR. IP40. 1,911 LUMEN OUTPUT. AS DEXTRA RTEC - RTEC L22R

C1/E RECESSED CIRCULAR SHALLOW PROFILE LED DOWNLIGHTER WITH 167MM DIA WHITE BEZEL AND SPECULAR REFLECTOR. IP40. 1,911 LUMEN OUTPUT. AS DEXTRA RTEC. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA RTEC - RTEC L22R LS3

D1 SURFACE MOUNTED LINEAR LED BATTEN 1200 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER, SUPPLIED WITH INTEGRAL PRESENCE DETECTION, IP 20 AS DEXTRA ECOPAK SENSOR. AS DEXTRA ELOPAK SENSOR - ECOPAK L38 R25E

D1/E SURFACE MOUNTED LINEAR LED BATTEN 1200 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER, SUPPLIED WITH INTEGRAL PRESENCE DETECTION, IP 20 AS DEXTRA ECOPAK SENSOR. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA ECOPAK SENSOR - ECOPAK L38 R25E.

D2 SURFACE MOUNTED LINEAR LED BATTEN 1500 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER, IP 20 AS DEXTRA ECOPAK - EPK L35

D2/E SURFACE MOUNTED LINEAR LED BATTEN 1500 LENGTH LUMINAIRE WITH WHITE POWDER PAINTED METAL BODY AND STEEL SPINE AND HIGH TRANSMISSION CURVED OPAL DIFFUSER. IP 20 AS DEXTRA ECOPAK. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY AS DEXTRA ECOPAK - EPK L35 LS3

F1 SURFACE MOUNTED CANISTER DOWNLIGHT WITH ALUMINIUM POWDER COATED BLACK RAL9005 PAINT FINISH, AND CLEAR GLASS COVER AMD ALUMINIUM RELFECTOR. IP20, 2796 LUMENS. AS DEXTRA COMTEC - CTEC L30 BLACK + BL CTEC S CG

G1 RECESSED LINEAR 1500 LENGTH LED LUMINAIRE WITH ALUMINIUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY - RWYR 1500 L22 OP

H1 SUSPENDED 1500 LENGTH LINEAR LED LUMINAIRE WITH EXTRUDED IP20 ALUMINIUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY - RWY 1500 L60 BD OP WH

H1/E SUSPENDED 1500 LENGTH LUMINAIRE WITH EXTRUDED IP20 WHITE ALUMINIUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY - RWY 1500 L60 BD OP WH LS3

H2 WALL MOUNTED LINEAR LED BI DIRECTIONAL (75/25) LUMINAIRE, MOUNTED AT 2700 AFFL. 4244 LUMEN OUTPUT. WITH EXTRUDED BLACK ALUMINIUM BODY AND OPAL DIFFUSER. AS DEXTRA RUNWAY WALL - RWY 1500 L60 BD BL

J1 SURFACE MOUNTED LINEAR LED 1200mm LENGTH LUMINAIRE WITH GRP BODY AND POLYCARBONATE DIFFUSER. IP65. AS DEXTRA HYDRA - HYDL26PC45.

J1/E SURFACE MOUNTED LINEAR LED 1200mm LENGTH LUMINAIRE WITH GRP BODY AND POLYCARBONATE DIFFUSER. IP65. COMPLETE WITH 3HOUR INTEGRAL EMERGENCY BATTERY AND SELF TEST FACILITY HYDL26PC45.

E1 RECESSED NON-MAINTAINED 3HR EMERGENCY LUMINAIRE, WITH LITHIUM IRON PHOSPHATE BATTERY. COMPLETE WITH THREE EASILY INTERCHANGEABLE LENSES FOR OPEN AREA (ANTI PANIC), ESCAPE ROUTE AND SPOT APPLICATIONS. AS DEXTRA LED4 - LED4R NM3 LS3

E2 SURFACE MOUNTED EMERGENCY NON MAINTAINED BULKHEAD LUMINAIRE. SUPPLIED WITH LITHIUM IRON PHOSPHATE BATTERY AND AUTOMATIC SELF TEST FUNCTIONALITY. AS DEXTRA AME2 - AME2 NM3 LS3

EXIT1 SURFACE MOUNTED LED ILLUMINATED EXIT SIGN WITH PICTOGRAM. WITH SELF TEST FACILITY. AS DEXTRA EX13 - EX13 NM3 LS3

EXIT2 SURFACE MOUNTED LED ILLUMINATED EXIT SIGN WITH PICTOGRAM. 395mm HEIGHT FOR INCREASED VIEWING DISTANCE. WITH SELF TEST FACILITY. AS DEXTRA EXIXL - EXIXL NM3 IP20 LS3

EXIT3 2 SEMI RECESSED LED: ILLUMINATED EXIT SIGN WITH 3hr INTEGRAL LITHIUM BATTERIES AND SELF TEST FACILITY AS DEXTRA OAT2 - OAT2 NM3 LE3 AT3

PIR CEILING MOUNTED MOTION SENSOR - MICROWAVE

INDICATED LUMINAIRE SWITCHING GROUP

XG 1 GANG 1 WAY LIGHT SWITCH, 'XG' DENOTES No. OF GANGS

XG 1 GANG 2 WAY LIGHT SWITCH, 'XG' DENOTES No. OF GANGS

XG 1 GANG WIRELESS LIGHT SWITCH, XG DENOTES No. OF GANGS

FAN TP TP ISOLATOR, ENGRAVED 'FAN' FOR SUPPLY TO LOCAL EXTRACT FAN. WIRED FROM LOCAL LIGHTING CIRCUIT

EXTENT OF NURSERY DEMISE - NO WORKS UNLESS INDICATED.

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

GENERAL NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES:

1. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH BS7671:2018 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, INCLUDING ALL AMENDMENTS
2. ALL EMERGENCY LUMINAIRES TO BE WIRED FROM THE LOCAL LIGHTING CIRCUIT, TEST KEY SWITCHES ARE NOT REQUIRED.
3. REFER TO DRAWINGS EFAS-TGA-13-ZZ-DR-E-63001 & 63002 FOR DETAILS OF EXTERNAL LIGHTING AND EXTERNAL EMERGENCY LUMINAIRES FOR FINAL EXITS
4. EXISTING BASEMENT PLANT ROOM CONTAINMENT AND SWITCH POSITION TO BE REUSED. CIRCUIT TO BE WIRED IN XLPE/SWA CABLE ON EXISTING CABLE TRAY FROM DB TO FIRST LUMINAIRE THEN 6491B CABLING THEREAFTER
5. NEW LUMINAIRES TO BE WIRED INTO EXISTING LOCAL LIGHTING CIRCUIT
6. EXTERNAL LIGHTING CONTROLS, INCLUDING OVER RIDE SWITCH TO BE LOCATED ADJACENT TO NEW DISTRIBUTION BOARDS

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	MMc
P03	25.08.23	UPDATED FOR WS4	BM	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

TGA Consulting Engineers LLP.
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED GENERAL AND EMERGENCY LIGHTING LAYOUT
FIRST FLOOR
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability:	Code	Description
	D2	FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-01-DR-E-63001

CDM RESIDUAL RISK REGISTER

IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING NOTE THE FOLLOWING:

1.

2.

1. CONSTRUCTION
   THE BUILDING REGULATIONS PART L2B SHALL BE COMPLIED WITH IN RESPECT TO INSPECTION AND COMMISSIONING

2. MAINTENANCE / CLEANING
   HSE WORK PLACE REGULATIONS SHALL BE OBSERVED

3. DECOMMISSIONING / DEMOLITION
   WEE AND ROHS REGULATIONS SHALL BE COMPLIED WITH

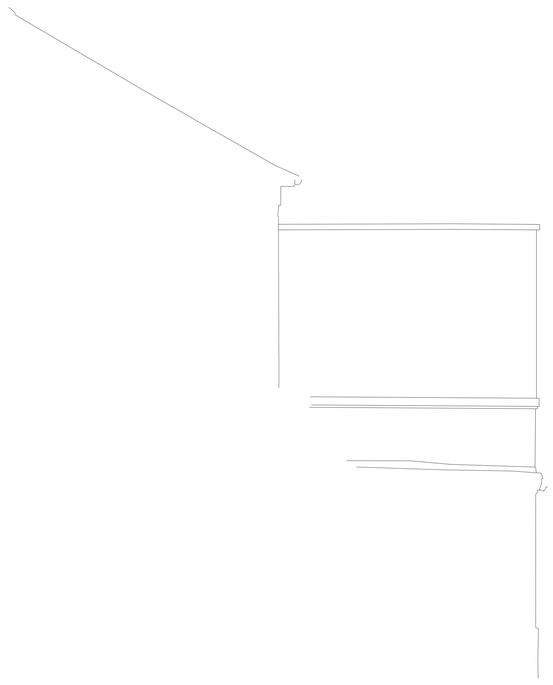
N.B. IT IS ASSUMED THAT ALL WORK WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT



NORTH ELEVATION



WEST ELEVATION



WEST ELEVATION 2

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

GENERAL NOTES

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDING'S ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES

1. ALL WORKS TO THE EXTERNAL FACADE ARE SUBJECT TO LISTED BUILDING CONSENT AND ANY WORKS SHOULD BE UNDERTAKEN IN ACCORDANCE WITH THE CURRENT PURCELL DRAWN INFORMATION.
2. THE EXISTING CABLING AND ROUTING OF CABLES FOR THE REDUNDANT EXTERNAL LIGHTING SHALL BE INVESTIGATED ON SITE AND ANY ADJUSTMENTS SHALL BE UNDERTAKEN ON SITE NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE DESIGN INTENT.
3. EXISTING METAL HALIDE LANTERNS INSTALLED BELOW ROOF EAVES TO BE DECOMMISSIONED AND REMOVED FROM SITE.
4. EXTERNAL EMERGENCY LUMINAIRES WIRED FROM THE ADJACENT INTERNAL LIGHTING CIRCUIT
5. THE ROUTING AND SUITABILITY OF THE EXISTING EXTERNAL LIGHTING CONTAINMENT FOR REUSE IS TO BE INVESTIGATED AND DETERMINED ON SITE. CIRCUIT PROPOSALS TO BE ADAPTED TO SUIT THE DETERMINED
6. X4 LUMINAIRES TO BE SWITCHED VIA TIME CLOCK. WITH PHOTO CELL CONTROL UNIT PROVIDED ADJACENT DB 13GLP. EXTERNAL LIGHTING OVER RIDER SWITCH TO BE PROVIDED IN THE SAME LOCATION.

LEGEND

- EXISTING FLOODLIGHT LOCATION TO BE DE-COMMISSIONED AND REMOVED FROM SITE.
- X1/E — WALL MOUNTED IP65 150X150 SQUARE COMBINED EMERGENCY AND GENERAL LUMINAIRE. BLACK ANTHRACITE ALUMINIUM BODY WITH INTEGRAL EMERGENCY BATTERY PACK. 3000OK LAMP SOURCE. TRILUX SKEO Q-W2 GT AB19R/760-830 ETDDTHE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
- X2/E — WALL MOUNTED IP65 200X100 RECTANGULAR COMBINED EMERGENCY AND GENERAL LUMINAIRE. BLACK ANTHRACITE ALUMINIUM BODY WITH INTEGRAL EMERGENCY BATTERY PACK. 3000OK LAMP SOURCE. TRILUX SKEO R-W1-GT-AB18R-1600-730-1G1P-ET
- X4 — WALL MOUNTED IP65 265X100 RECTANGULAR FLOODLIGHT LUMINAIRE. BLACK RAL9001 POWDER COATED BODY WITH ALUMINIUM REFLECTOR. 3000OK LAMP SOURCE. TRILUX COMBAL 20-AM9R/3500-730 1G1W ET

REV	DATE	DESCRIPTION	DRAWN	APP
P02	29.09.23	SUITABLE FOR TENDER	BM	MM
P01	22.09.23	SUITABLE FOR TENDER	MS	MM

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
EXTERNAL LIGHTING PROPOSALS
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability:	Code	Description
	D2	FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P02	1:50	8193	4

Drawing Reference:
Project-Originator-FunctionalBreakdown-SpatialBreakdown-Form-Role-Number
EFAS-TGA-13-ZZ-DR-E-63001

CDM RESIDUAL RISK REGISTER

IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING NOTE THE FOLLOWING:

1.

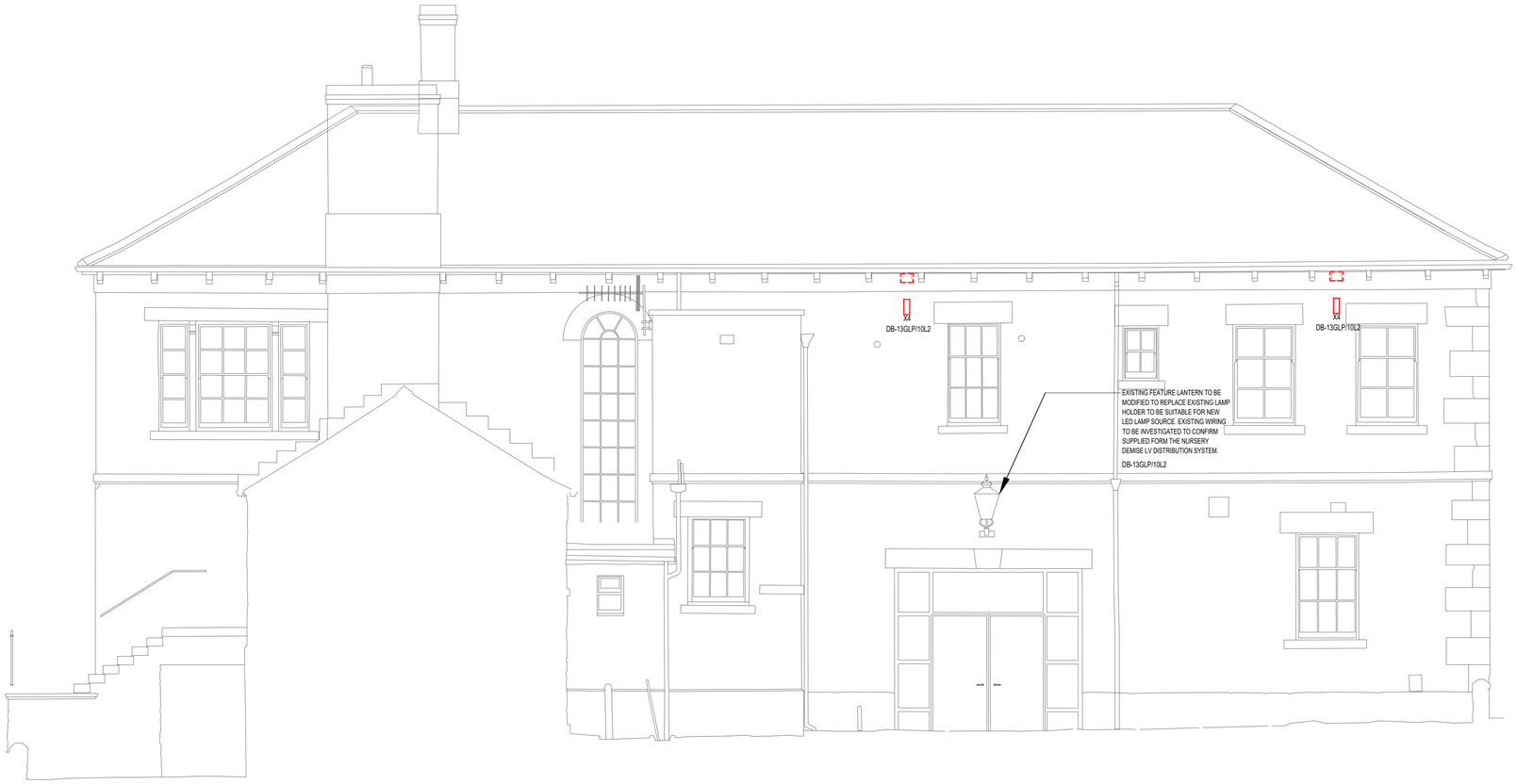
2.

1. CONSTRUCTION
   THE BUILDING REGULATIONS PART L2B SHALL BE COMPLIED WITH IN RESPECT TO INSPECTION AND COMMISSIONING

2. MAINTENANCE / CLEANING
   HSE WORK PLACE REGULATIONS SHALL BE OBSERVED

3. DECOMMISSIONING / DEMOLITION
   WEE AND ROHS REGULATIONS SHALL BE COMPLIED WITH

N.B. IT IS ASSUMED THAT ALL WORK WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT



SOUTH ELEVATION

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

GENERAL NOTES

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDING'S ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES

1. ALL WORKS TO THE EXTERNAL FACADE ARE SUBJECT TO LISTED BUILDING CONSENT AND ANY WORKS SHOULD BE UNDERTAKEN IN ACCORDANCE WITH THE CURRENT PURCELL DRAWN INFORMATION.
2. THE EXISTING CABLING AND ROUTING OF CABLES FOR THE REDUNDANT EXTERNAL LIGHTING SHALL BE INVESTIGATED ON SITE AND ANY ADJUSTMENTS SHALL BE UNDERTAKEN ON SITE NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE DESIGN INTENT.
3. EXISTING METAL HALIDE LANTERNS INSTALLED BELOW ROOF EAVES TO BE DECOMMISSIONED AND REMOVED FROM SITE.
4. EXTERNAL EMERGENCY LUMINAIRES WIRED FROM THE ADJACENT INTERNAL LIGHTING CIRCUIT
5. THE ROUTING AND SUITABILITY OF THE EXISTING EXTERNAL LIGHTING CONTAINMENT FOR REUSE IS TO BE INVESTIGATED AND DETERMINED ON SITE. CIRCUIT PROPOSALS TO BE ADAPTED TO SUIT THE DETERMINED
6. X4 LUMINAIRES TO BE SWITCHED VIA TIME CLOCK, WITH PHOTO CELL CONTROL UNIT PROVIDED ADJACENT DB 13GLP. EXTERNAL LIGHTING OVER RIDER SWITCH TO BE PROVIDED IN THE SAME LOCATION.

LEGEND

- EXISTING FLOODLIGHT LOCATION TO BE DE-COMMISSIONED AND REMOVED FROM SITE.
- X1E — WALL MOUNTED IP65 150X150 SQUARE COMBINED EMERGENCY AND GENERAL LUMINAIRE. BLACK ANTHRACITE ALUMINIUM BODY WITH INTEGRAL EMERGENCY BATTERY PACK. 3000OK LAMP SOURCE. TRILUX SKEO Q-W2 GT AB19R/760-830 ETDDTHE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
- X2E — WALL MOUNTED IP65 200X100 RECTANGULAR COMBINED EMERGENCY AND GENERAL LUMINAIRE. BLACK ANTHRACITE ALUMINIUM BODY WITH INTEGRAL EMERGENCY BATTERY PACK. 3000OK LAMP SOURCE. TRILUX SKEO R-W1-GT-AB18R-1600-730-1G1P-ET
- X4 — WALL MOUNTED IP65 265X100 RECTANGULAR FLOODLIGHT LUMINAIRE. BLACK RAL9001 POWDER COATED BODY WITH ALUMINIUM REFLECTOR. 3000OK LAMP SOURCE. TRILUX COMBAL 20-AM9R/3500-730 1G1W ET

REV	DATE	DESCRIPTION	DRAWN	APP
P02	29.09.23	SUITABLE FOR TENDER	BM	MM
P01	22.09.23	SUITABLE FOR TENDER	MS	MM

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
EXTERNAL LIGHTING PROPOSALS
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability: Code D2 — Description FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P02	1:50	8193	4

Drawing Reference:
Project-Originator-FunctionalBreakdown-SpatialBreakdown-Form-Role-Number
EFAS-TGA-13-ZZ-DR-E-63002

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

GENERAL NOTES:

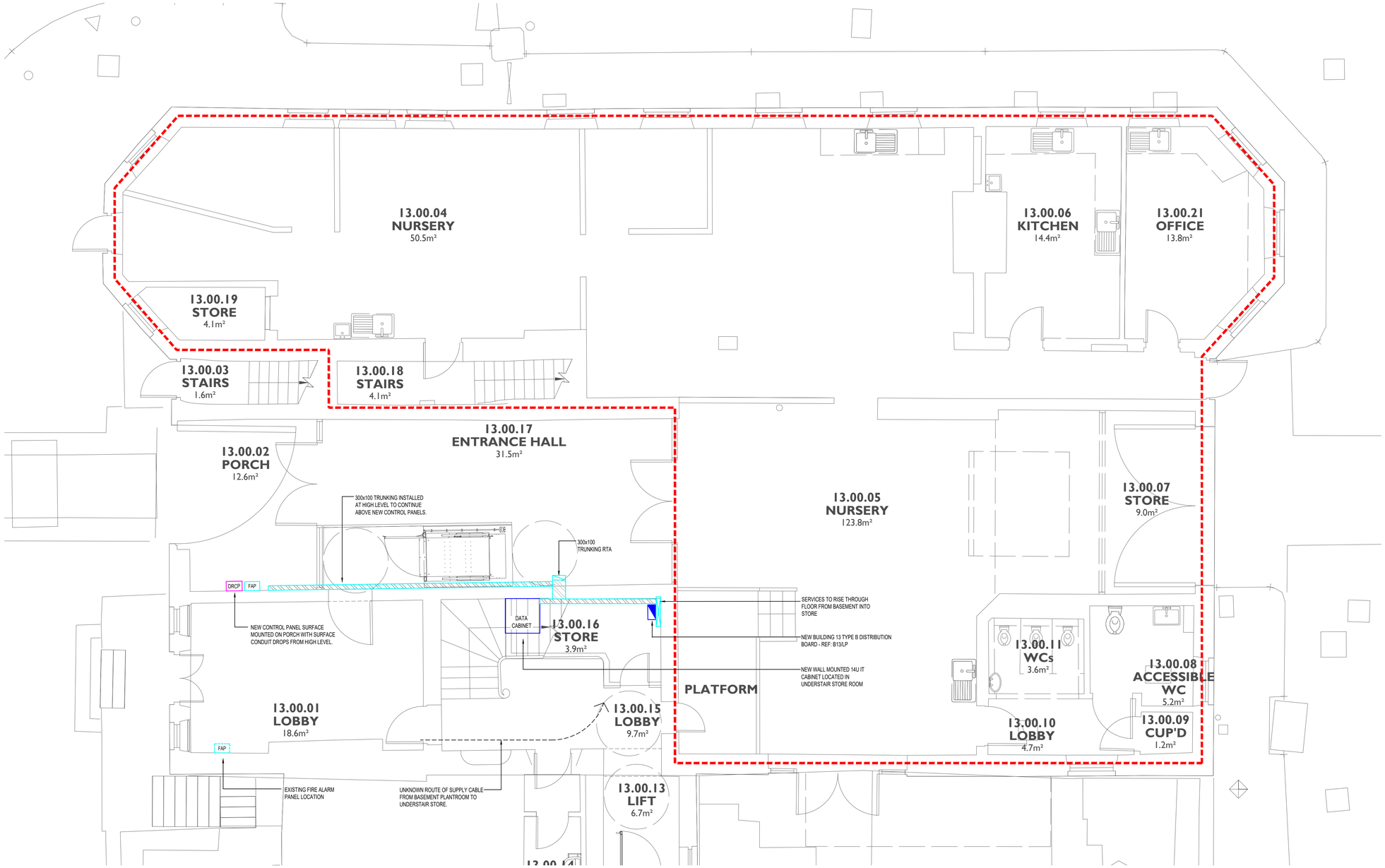
1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

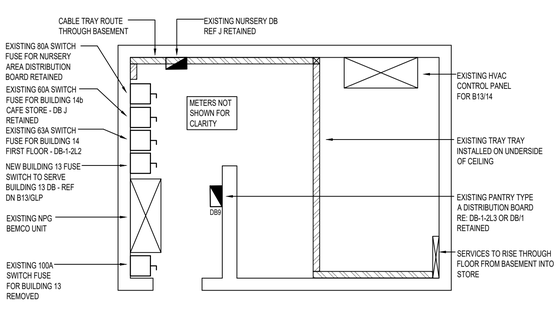
DRAWING NOTES:

1. ANY PENETRATIONS THROUGH FIRE COMPARTMENTS OR BARRIERS SHALL BE SEALED IN ACCORDANCE WITH THE PROJECT FIRE STRATEGY. ANY FIRE STOPPING WORKS SHALL BE RECORDED AND DOCUMENTED AS PART OF THE AS FITTED DOCUMENTATION.
2. ONLY PRIMARY CONTAINMENT SHOWN, ANY SECONDARY CONTAINMENT TO BE DETAILED AS PART OF THE CONSTRUCTION STAGE ACTIVITIES.

LEGEND:

- 3 COMPARTMENT IP44 STEEL TRUNKING - SIZE AS INDICATED, ALL COMPARTMENTS OF EQUAL SIZE
- DADO TRUNKING DROP POSITION - REFER TO GENERAL POWER AND ICT DRAWINGS FOR DETAILS
- INDICATED EXTENT OF NURSERY DEMISE - NO WORKS UNLESS STATED
- LV DISTRIBUTION BOARD - REFER TO LV SCHEMATIC FOR DETAILS





BASEMENT

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITBABLE FOR TENDER	RC	MMc
P03	25.08.23	UPDATED FOR WS4	BM	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED CONTAINMENT LAYOUT
GROUND FLOOR
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability:	Code	Description
	D2	FOR TENDER

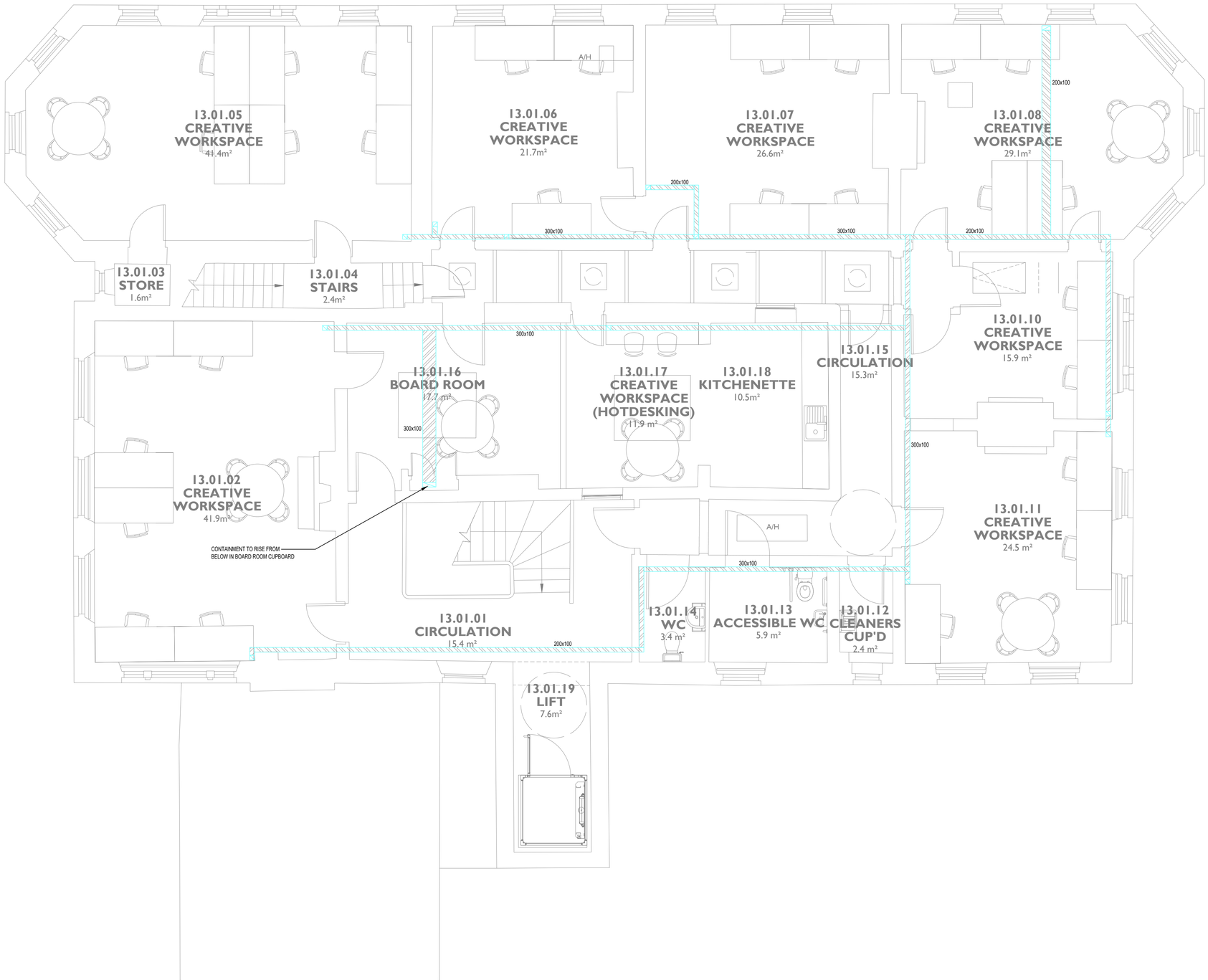
Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-00-DR-E-65001

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.



GENERAL NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES:

1. ANY PENETRATIONS THROUGH FIRE COMPARTMENTS OR BARRIERS SHALL BE SEALED IN ACCORDANCE WITH THE PROJECT FIRE STRATEGY. ANY FIRE STOPPING WORKS SHALL BE RECORDED AND DOCUMENTED AS PART OF THE AS FITTED DOCUMENTATION.
2. ONLY PRIMARY CONTAINMENT SHOWN, ANY SECONDARY CONTAINMENT TO BE DETAILED AS PART OF THE CONSTRUCTION STAGE ACTIVITIES.

LEGEND:

- 3 COMPARTMENT IP44 STEEL TRUNKING - SIZE AS INDICATED, ALL COMPARTMENTS OF EQUAL SIZE
- DADO TRUNKING DROP POSITION - REFER TO GENERAL POWER AND ICT DRAWINGS FOR DETAILS
- INDICATED EXTENT OF NURSERY DEMISE - NO WORKS UNLESS STATED
- LV DISTRIBUTION BOARD - REFER TO LV SCHEMATIC XXX FOR DETAILS

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	MMc
P03	25.08.23	UPDATED FOR WS4	BM	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED CONTAINMENT LAYOUT
FIRST FLOOR
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability:	Code	Description
	D2	FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-01-DR-E-65001

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

GENERAL NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG5 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES:

1. FIRE ALARM SYSTEM DESIGNED TO PROVIDE A CATEGORY L2. A WIRELESS FIRE DETECTION AND ALARM SYSTEM SHALL BE PROVIDED TO REPLACE THE EXISTING CONVENTIONAL SYSTEM.
2. FIRE ALARM WIRING TO BE INSTALLED USING STANDARD FIRE-RESISTANT CABLING. CONTAINMENT AND FIXING TO BE MADE OF NON-COMBUSTIBLE MATERIAL.
3. TWO WIRELESS OPTICAL SMOKE DETECTORS TO BE ALLOWED FOR THE THE NURSERY BASEMENT AREA.
4. THE FIRE ALARM SYSTEM SHALL BE CONFIGURED TO OPERATE ON A SINGLE KNOCK EVACUATION AND WITH THE DETECTION ZONES INDICATED. AN A3 FRAME ZONE DIAGRAM SHALL BE PROVIDED ADJACENT TO THE NEW FIRE ALARM CONTROL PANEL LOCATION.
5. THE FIRE ALARM EQUIPMENT SUPPLIER SHALL VISIT SITE DURING THE TENDER PERIOD TO DETERMINE THE QUANITY AND LOCATIONS OF AND WIRELESS EXTENDER EQUIPMENT REQUIRED TO ENSURE THE BUILDING NEW FIRE ALARM SYSTEM SHALL OPERATE CORRECTLY.
6. THE FIRE ALARM EQUIPMENT SUPPLIER SHALL UNDERTAKE A WIRELESS SURVEY OF THE BUILDING TO VALIDATE ANY ASSUMPTIONS AT TENDER STAGE PRIOR TO WORKS COMMENCING ON SITE.

LEGEND:

- SMOKE DETECTOR
- HEAT DETECTOR C/W XENON BEACON
- SMOKE DETECTOR C/W SOUNDER
- SMOKE DETECTOR, SOUNDER, STROBE COMBINED UNIT
- HEAT DETECTOR WITH SOUNDER/BEACON BASE
- CEILING MOUNTED SOUND AND VAD BEACON
- HEAT DETECTOR C/W SOUNDER
- COMBINED SOUNDER XENON BEACON
- FAP — FIRE ALARM PANEL
- MANUAL CALL POINT
- IFU — FIRE ALARM INTERFACE UNIT
- DRCP — DISABLED REFUGE AND WC CONTROL PANEL
- DR — DISABLED REFUGE INTERCOM (OUTSTATION)

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	MMc
P03	25.08.23	UPDATED FOR WS4	BM	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED FIRE ALARM LAYOUT
GROUND FLOOR
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability: Code D2 — Description FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

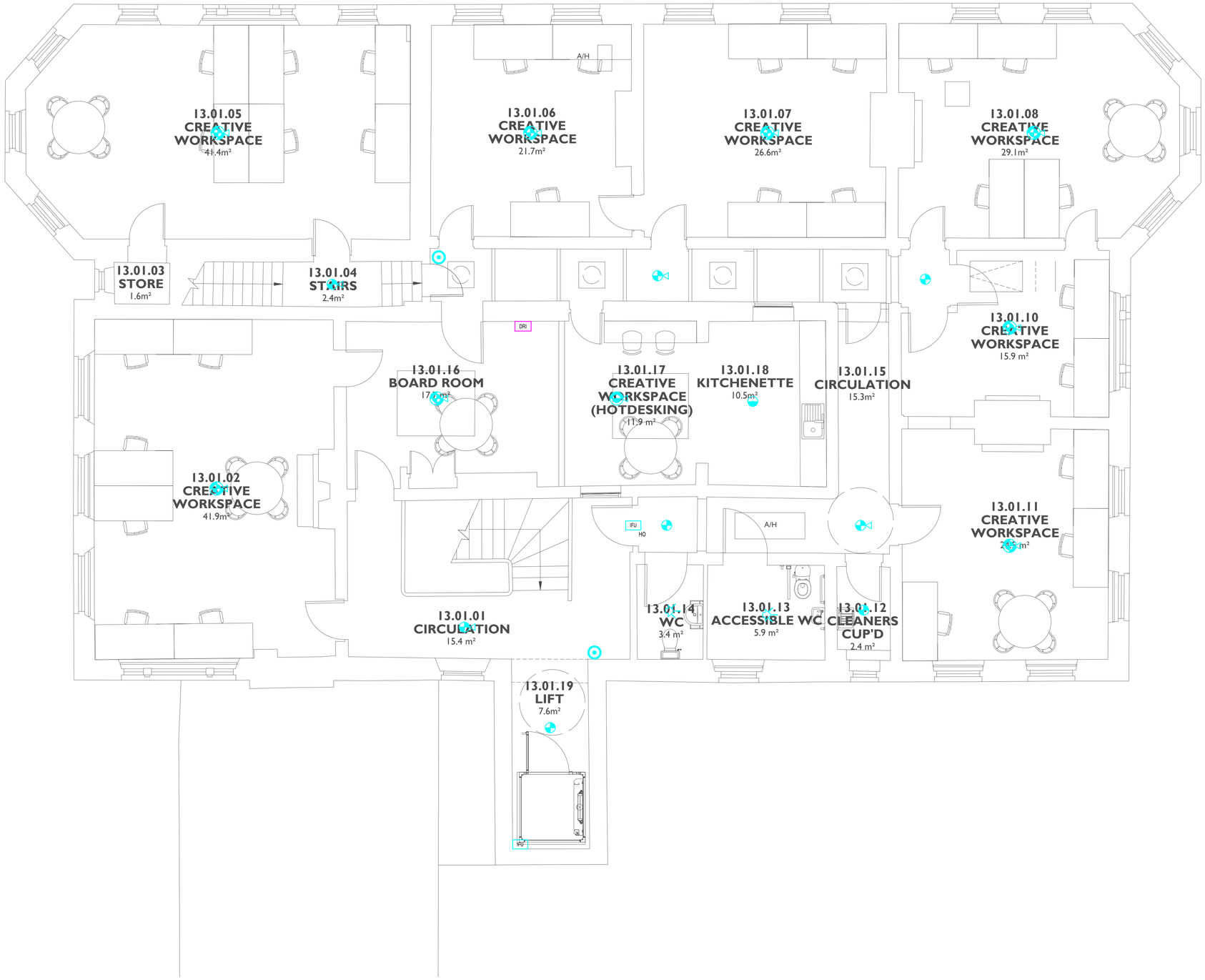
Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-00-DR-E-67001

BASEMENT

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.



GENERAL NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.

DRAWING NOTES:

1. FIRE ALARM SYSTEM DESIGNED TO PROVIDE A CATEGORY L2. A WIRELESS FIRE DETECTION AND ALARM SYSTEM SHALL BE PROVIDED TO REPLACE THE EXISTING CONVENTIONAL SYSTEM.
2. FIRE ALARM WIRING TO BE INSTALLED USING STANDARD FIRE-RESISTANT CABLING. CONTAINMENT AND FIXING TO BE MADE OF NON-COMBUSTIBLE MATERIAL.
3. TWO WIRELESS OPTICAL SMOKE DETECTORS TO BE ALLOWED FOR THE THE NURSERY BASEMENT AREA.
4. THE FIRE ALARM SYSTEM SHALL BE CONFIGURED TO OPERATE ON A SINGLE KNOCK EVACUATION AND WITH THE DETECTION ZONES INDICATED. AN A3 FRAME ZONE DIAGRAM SHALL BE PROVIDED ADJACENT TO THE NEW FIRE ALARM CONTROL PANEL LOCATION.
5. THE FIRE ALARM EQUIPMENT SUPPLIER SHALL VISIT SITE DURING THE TENDER PERIOD TO DETERMINE THE QUANTY AND LOCATIONS OF AND WIRELESS EXTENDER EQUIPMENT REQUIRED TO ENSURE THE BUILDING NEW FIRE ALARM SYSTEM SHALL OPERATE CORRECTLY.
6. THE FIRE ALARM EQUIPMENT SUPPLIER SHALL UNDERTAKE A WIRELESS SURVEY OF THE BUILDING TO VALIDATE ANY ASSUMPTIONS AT TENDER STAGE PRIOR TO WORKS COMMENCING ON SITE.

LEGEND:

- SMOKE DETECTOR
- HEAT DETECTOR C/W XENON BEACON
- SMOKE DETECTOR C/W SOUNDER
- SMOKE DETECTOR, SOUNDER, STROBE COMBINED UNIT
- HEAT DETECTOR WITH SOUNDER/BEACON BASE
- CEILING MOUNTED SOUND AND VAD BEACON
- HEAT DETECTOR C/W SOUNDER
- COMBINED SOUNDER XENON BEACON
- FAP — FIRE ALARM PANEL
- MANUAL CALL POINT
- IFU — FIRE ALARM INTERFACE UNIT
- DROP — DISABLED REFUGE AND WC CONTROL PANEL
- DR — DISABLED REFUGE INTERCOM (OUTSTATION)

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	MM
P03	25.08.23	UPDATED FOR WS4	BM	MM
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED FIRE ALARM LAYOUT
FIRST FLOOR
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability:	Code	Description
	D2	FOR TENDER

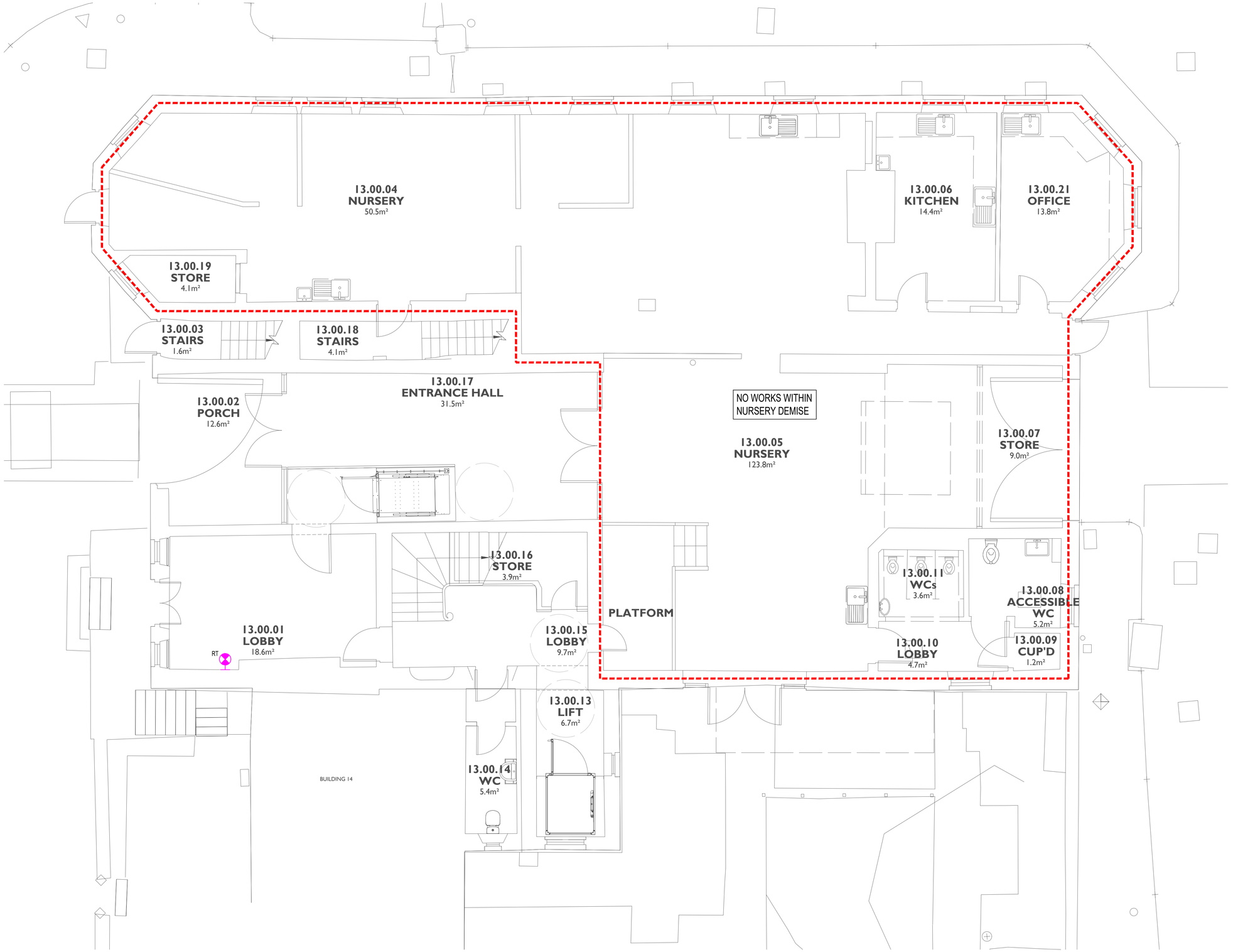
Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-01-DR-E-67001

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.



NOTES

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 : 2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION I NFORMATION.
5. DRAWING DETAIL REFLECTS 'DEVELOPED DESIGN' IN ACCORDANCE WITH RIBA STAGE 3 / BSRIA BG6. ALL EQUIPMENT QUANTITIES AND LAYOUTS ARE INDICATIVE OF CURRENT DESIGN STAGE ONLY AND SHALL BE CONFIRMED AS PART OF DESIGN DEVELOPMENT TO STAGE 4 (TECHNICAL DESIGN) AND 5 (CONSTRUCTION INSTALLATION).
6. NO INTRUDER DETECTION PROVISION IS CURRENTLY PROVIDED ON SITE. SECURITY PROVIDED BY EXISTING ON SITE SECURITY GUARD AND SITE CCTV.

LEGEND:

1. DRAWING DETAIL REFLECTS 'DEVELOPED DESIGN' IN ACCORDANCE WITH RIBA STAGE 3 / BSRIA BG6. ALL EQUIPMENT QUANTITIES AND LAYOUTS ARE INDICATIVE OF CURRENT DESIGN STAGE ONLY AND SHALL BE CONFIRMED AS PART OF DESIGN DEVELOPMENT TO STAGE 4 (TECHNICAL DESIGN) AND 5 (CONSTRUCTION INSTALLATION).
2. NO INTRUDER DETECTION PROVISION IS CURRENTLY PROVIDED ON SITE. SECURITY PROVIDED BY EXISTING ON SITE SECURITY GUARD AND SITE CCTV.

LEGEND:

- ASSISTANCE PULL CORD WITH REASSURANCE LAMP
- ASSISTANCE RESET UNIT
- ASSISTANCE OVERDOOR INDICATOR AND ALARM
- RT ASSISTANCE ALARM REMOTE INDICATOR
- EXTERNAL OF NURSERY DEMISE

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	RP
P03	25.08.23	UPDATED FOR VE AND WS4	LC	RP
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED SYSTEMS LAYOUT
GROUND FLOOR
BUILDING 13

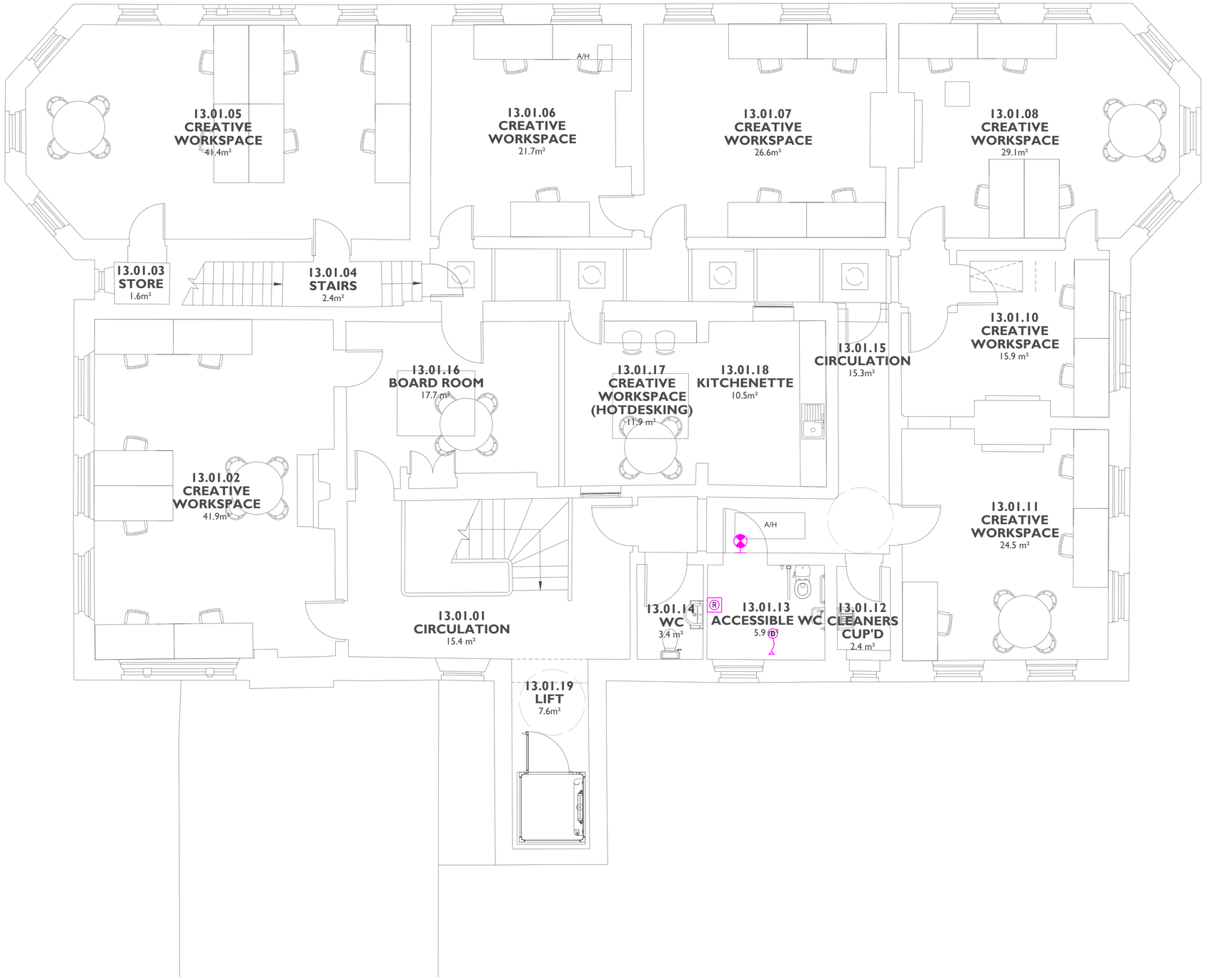
Architect
PURCELL

Client
BARNSLEY MBC

Suitability:	Code	Description
	D2	FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-00-DR-E-68001



This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.

NOTES:

1. THIS DRAWING SHOWS THE DESIGN PROPOSAL FOR A WORKSTAGE 4 TECHNICAL DESIGN LEVEL OF DETAIL AND COMPLETENESS AS DEFINED BY BSRIA BG6 :2018. ALL QUANTITIES AND LOCATIONS ARE BASED ON GENERIC EQUIPMENT SELECTIONS AND SHALL BE CONFIRMED AND FULLY COORDINATED AS PART OF THE CONSTRUCTION STAGE DESIGN ACTIVITIES.
2. DO NOT SCALE OF THIS DRAWING. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED.
3. THE DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND WORKMANSHIP DETAILS, OTHER MEP DRAWINGS, ARCHITECTURAL & STRUCTURAL INFORMATION AND ALONG WITH ANY OTHER RELEVANT PROJECT CONTRACT DOCUMENTATION.
4. ANY WORKS TO THE EXTERIOR TO THE BUILDINGS ARE SUBJECT TO LISTED BUILDING CONSENT AND SHALL BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH THE SUBMITTED INFORMATION AND THE ARCHITECTURAL CONSTRUCTION INFORMATION.
5. DRAWING DETAIL REFLECTS 'DEVELOPED DESIGN IN ACCORDANCE WITH RIBA STAGE 3 / BSRIA BG6. ALL EQUIPMENT QUANTITIES AND LAYOUTS ARE INDICATIVE OF CURRENT DESIGN STAGE ONLY AND SHALL BE CONFIRMED AS PART OF DESIGN DEVELOPMENT TO STAGE 4 (TECHNICAL DESIGN) AND 5 (CONSTRUCTION INSTALLATION).
6. NO INTRUDER DETECTION PROVISION IS CURRENTLY PROVIDED ON SITE. SECURITY PROVIDED BY EXISTING ON SITE SECURITY GUARD AND SITE CCTV.

DRAWING NOTES:

1. DRAWING DETAIL REFLECTS 'DEVELOPED DESIGN' IN ACCORDANCE WITH RIBA STAGE 3 / BSRIA BG6. ALL EQUIPMENT QUANTITIES AND LAYOUTS ARE INDICATIVE OF CURRENT DESIGN STAGE ONLY AND SHALL BE CONFIRMED AS PART OF DESIGN DEVELOPMENT TO STAGE 4 (TECHNICAL DESIGN) AND 5 (CONSTRUCTION INSTALLATION).
2. NO INTRUDER DETECTION PROVISION IS CURRENTLY PROVIDED ON SITE. SECURITY PROVIDED BY EXISTING ON SITE SECURITY GUARD AND SITE CCTV.

LEGEND:

- ASSISTANCE PULL CORD WITH REASSURANCE LAMP
- ASSISTANCE RESET UNIT
- ASSISTANCE OVERDOOR INDICATOR AND ALARM
- RT ASSISTANCE ALARM REMOTE INDICATOR
- EXTERNAL OF NURSERY DEMISE

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	MMc
P03	25.08.23	UPDATED FOR VE AND WS4	MS	MMc
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers
A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project
ELSECAR: FORGING AHEAD

Title
ELECTRICAL ENGINEERING SERVICES
PROPOSED SYSTEMS LAYOUT
FIRST FLOOR
BUILDING 13

Architect
PURCELL

Client
BARNSLEY MBC

Suitability:	Code	Description
	D2	FOR TENDER

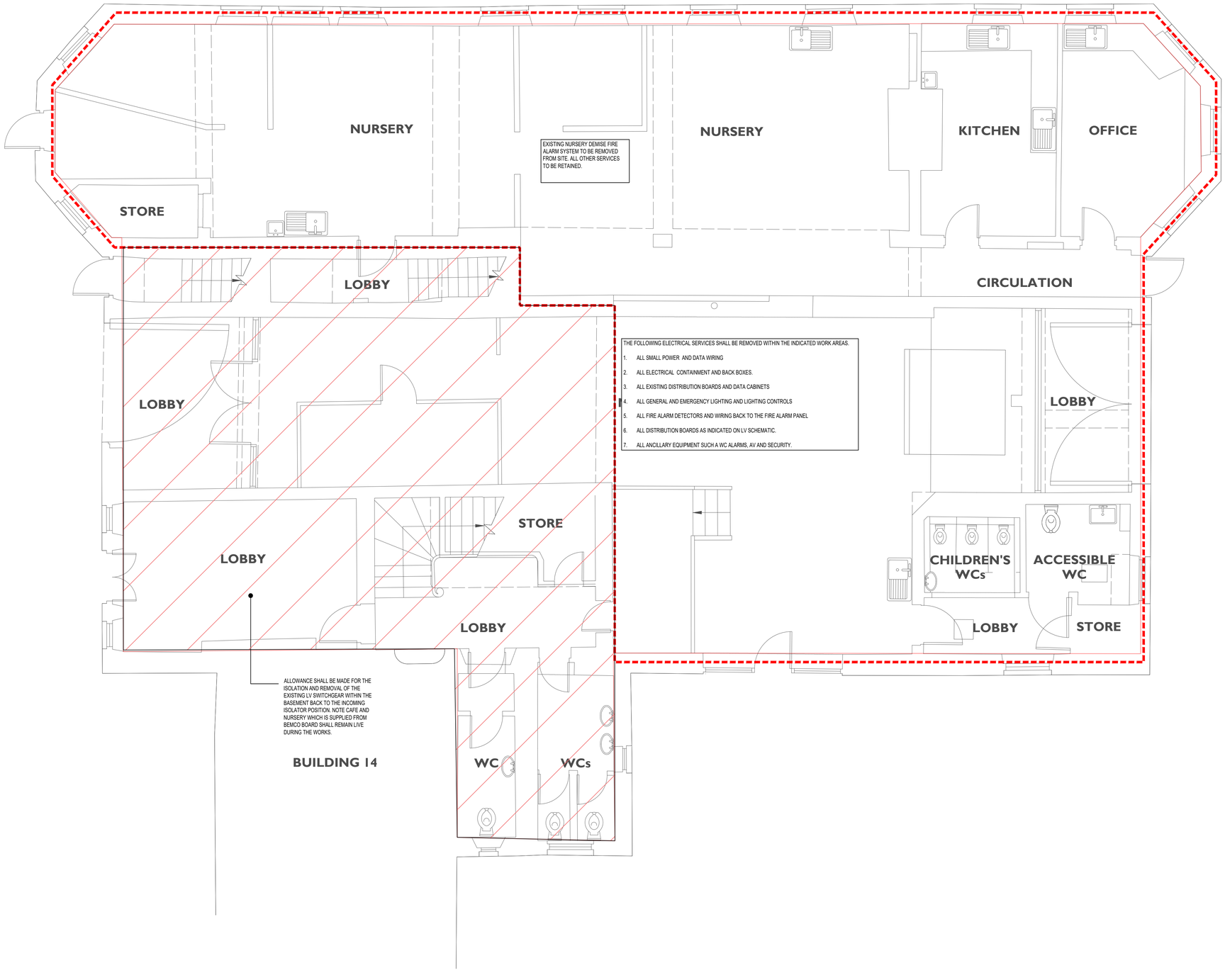
Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-Zone-Level-Type-Role-Classification-Number
EFAS-TGA-13-01-DR-E-68001

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.



LEGEND:

1. STRIP OUT WORKS IDENTIFIED ARE BASED ON EXISTING SERVICES IDENTIFIED BY A NON-INTRUSIVE, VISUAL SURVEY.
2. THE CONTRACTOR SHALL ALLOW FOR STRIPPING OUT AND MAKING GOOD ANY SERVICES NOT SPECIFICALLY IDENTIFIED ON THE DRAWING BUT SUBSEQENTLY DISCOVERED IN THE AREA OF THE WORKS DURING THE DEMOLITION PROCESS. THE CONTRACTOR SHALL ALLOW FOR A FULL INTRUSIVE SERVEY DURING THE DEMOLITION PROCESS TO FACILITATE THIS.
3. AS PART OF THE SURVEY, THE CONTRACTOR SHALL IDENTIFY ANY ISOLATION POINTS LOCATED OUTSIDE OF THE AREAS OF DEMOLITION, WHERE ACCESS IS NECESSARY TO FACILITATE THE STRIP OUT WORKS SAFELY. THE CONTRACTORS SHALL LIAISE WITH THE CONTRACT ADMINISTRATOR TO SAFELY ACCESS THESE ISOLATION POINTS WITHOUT DISRUPTION TO THE REMAINING AREAS OF THE BUILDING.
4. THE CONTRACTOR SHALL ALLOW FOR ISOLATIONS WHICH AFFECT AREAS OR SERVICES OUTSIDE OF THE DEMOLITION WORKS AREAS TO BE UNDERTAKEN 'OUT OF HOURS'
5. THE CONTRACTOR SHALL PREPARE A SCHEDULE OF DILAPIDATION PRIOR TO ANY STRIP OUT WORKS COMMENCING.
6. WHERE SERVICES PASS THROUGH THE AREA OF WORKS BUT SERVE OTHER AREAS THEY ARE TO BE IDENTIFIED, RETAINED AND PROTECTED FOR THE DURATION OF WORKS.
7. EXISTING ELECTRICAL SERVICES WHICH AREAS OUTSIDE OF THE WORK AREAS TO REMAIN LIVE FOR THE DURATION OF WORKS.
8. NEW WIFI WAP INSTALLATIONS FOR THE PROJECT SHALL BE RETAINED
9. THE EXISING WIRED FIRE ALARM SYSTEM FOR THE BUILDING SHALL BE RETAINED AND KEPT IN GOOD WORKING ORDER UNTIL THE NEW WIRELESS SYSTEM IS COMMISSIONED AND COMPLETED A 7 DAY SOAK TEST

LEGEND:

INDICATES AREA AFFECTED BY STRIP OUT WORKS

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	RP
P03	13.09.23	UPDATED FOR WS4 DESIGN DEVELOPMENT	RT	MM
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers

A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project

ELSECAR: FORGING AHEAD

Title

ELECTRICAL ENGINEERING SERVICES
PROPOSED STRIP OUT LAYOUT
GROUND FLOOR
BUILDING 13

Architect: PURCELL

Client: BARNSLEY MBC

Suitability: Code D2 — Description FOR TENDER

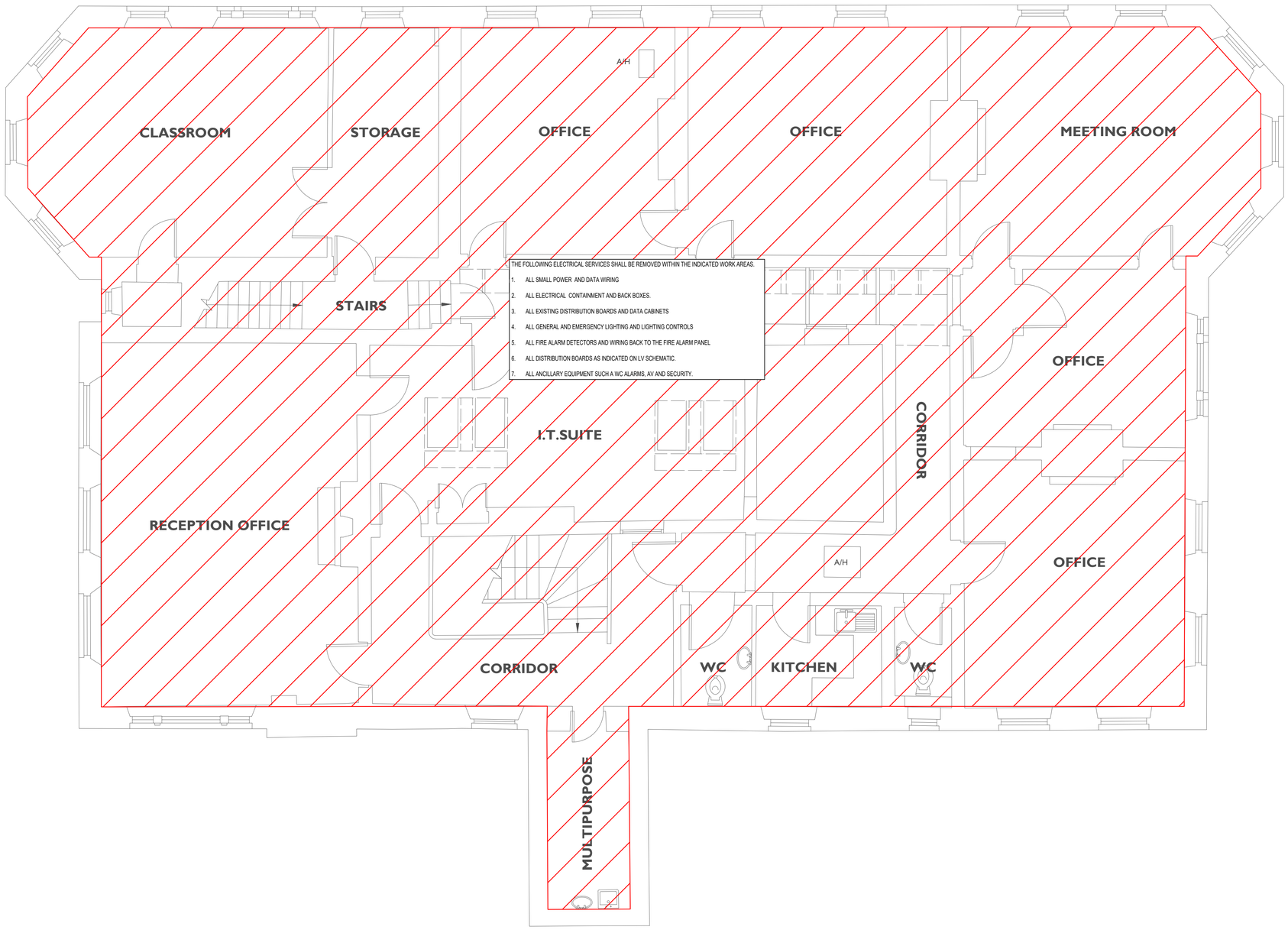
Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:
Project-Originator-FunctionalBreakdown-SpatialBreakdown-Form-Role-Number
EFAS-TGA-13-00-DR-E-69001

This document is copyright of TGA Consulting Engineers LLP and must not be reproduced without their permission. Drawing measurements shall not be obtained by scaling. This document should be read in conjunction with associated models, specifications and related documents.

A1

Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Any risks not immediately apparent are identified within the CDM Residual Risk Register.



LEGEND:

1. STRIP OUT WORKS IDENTIFIED ARE BASED ON EXISTING SERVICES IDENTIFIED BY A NON-INTRUSIVE, VISUAL SURVEY.
2. THE CONTRACTOR SHALL ALLOW FOR STRIPPING OUT AND MAKING GOOD ANY SERVICES NOT SPECIFICALLY IDENTIFIED ON THE DRAWING BUT SUBSEQENTLY DISCOVERED IN THE AREA OF THE WORKS DURING THE DEMOLITION PROCESS. THE CONTRACTOR SHALL ALLOW FOR A FULL INTRUSIVE SERVEY DURING THE DEMOLITION PROCESS TO FACILITATE THIS.
3. AS PART OF THE SURVEY, THE CONTRACTOR SHALL IDENTIFY ANY ISOLATION POINTS LOCATED OUTSIDE OF THE AREAS OF DEMOLITION, WHERE ACCESS IS NECESSARY TO FACILITATE THE STRIP OUT WORKS SAFELY. THE CONTRACTORS SHALL LIAISE WITH THE CONTRACT ADMINISTRATOR TO SAFELY ACCESS THESE ISOLATION POINTS WITHOUT DISRUPTION TO THE REMAINING AREAS OF THE BUILDING.
4. THE CONTRACTOR SHALL ALLOW FOR ISOLATIONS WHICH AFFECT AREAS OR SERVICES OUTSIDE OF THE DEMOLITION WORKS AREAS TO BE UNDERTAKEN 'OUT OF HOURS'
5. THE CONTRACTOR SHALL PREPARE A SCHEDULE OF DILAPIDATION PRIOR TO ANY STRIP OUT WORKS COMMENCING.
6. WHERE SERVICES PASS THROUGH THE AREA OF WORKS BUT SERVE OTHER AREAS THEY ARE TO BE IDENTIFIED, RETAINED AND PROTECTED FOR THE DURATION OF WORKS.
7. EXISTING ELECTRICAL SERVICES WHICH AREAS OUTSIDE OF THE WORK AREAS TO REMAIN LIVE FOR THE DURATION OF WORKS.
8. NEW WIFI WAP INSTALLATIONS FOR THE PROJECT SHALL BE RETAINED
9. THE EXISING WIRED FIRE ALARM SYSTEM FOR THE BUILDING SHALL BE RETAINED AND KEPT IN GOOD WORKING ORDER UNTIL THE NEW WIRELESS SYSTEM IS COMMISSIONED AND COMPLETED A 7 DAY SOAK TEST

LEGEND:

INDICATES AREA AFFECTED BY STRIP OUT WORKS

REV	DATE	DESCRIPTION	DRAWN	APP
P04	22.09.23	SUITABLE FOR TENDER	RC	RP
P03	13.09.23	UPDATED FOR WS4 DESIGN DEVELOPMENT	RT	MM
P02	02.06.23	UPDATED TO ARCHITECTS COMMENTS AND LAYOUTS	LC	RP
P01	31.03.23	PRELIMINARY ISSUE	LC	RP

tga Consulting Engineers

A sustainable future... engineered.

TGA Consulting Engineers LLP,
Salvus House, Aykley Heads, Durham City. DH1 5TS.
E: info@tgace.co.uk T: 0191 3862314

Project

ELSECAR: FORGING AHEAD

Title

ELECTRICAL ENGINEERING SERVICES
PROPOSED STRIP OUT LAYOUT
FIRST FLOOR
BUILDING 13

Architect

PURCELL

Client

BARNSLEY MBC

Suitability: Code D2 Description FOR TENDER

Revision:	Scale:	TGA Proj No:	Stage:
P04	1:50	8193	4

Drawing Reference:

Project-Originator-FunctionalBreakdown-SpatialBreakdown-Form-Role-Number

EFAS-TGA-13-01-DR-E-69001