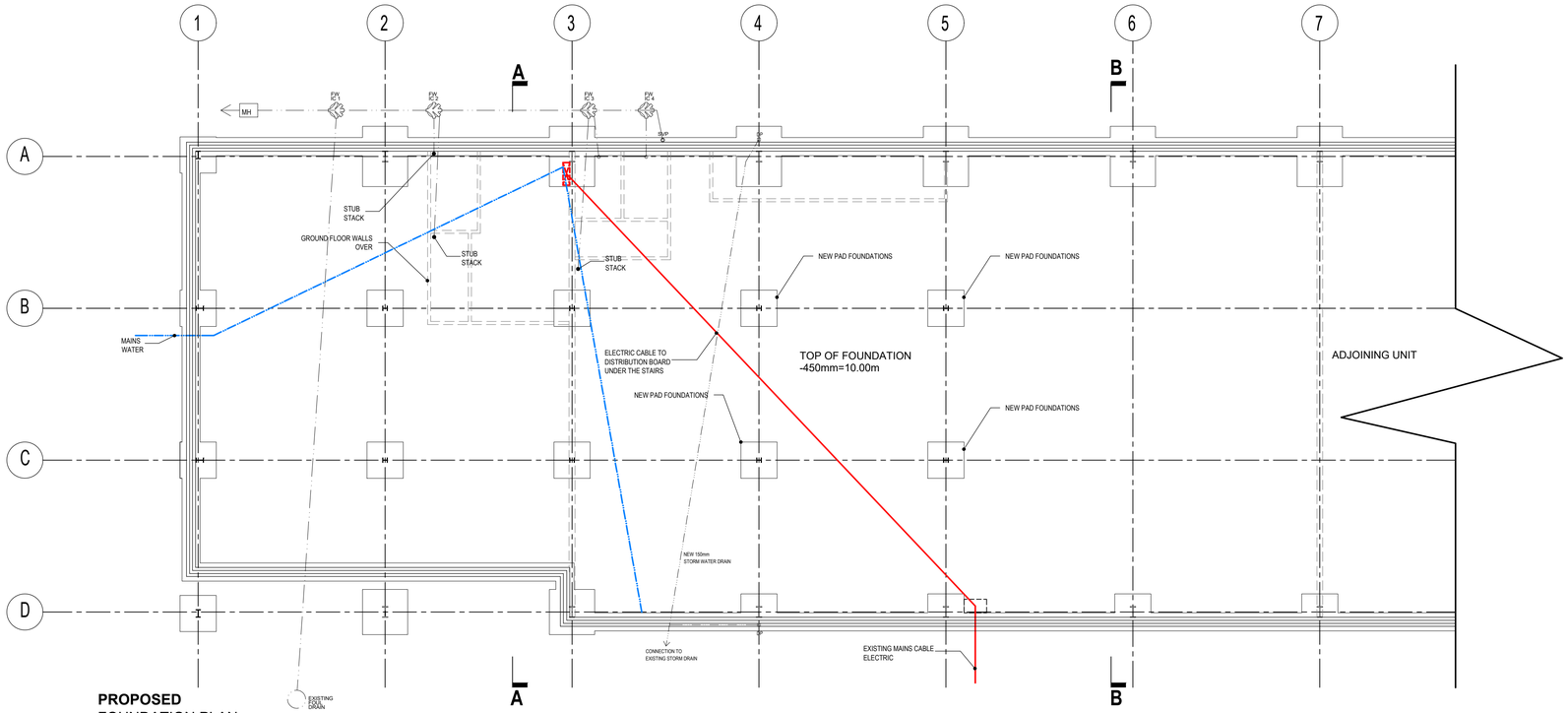
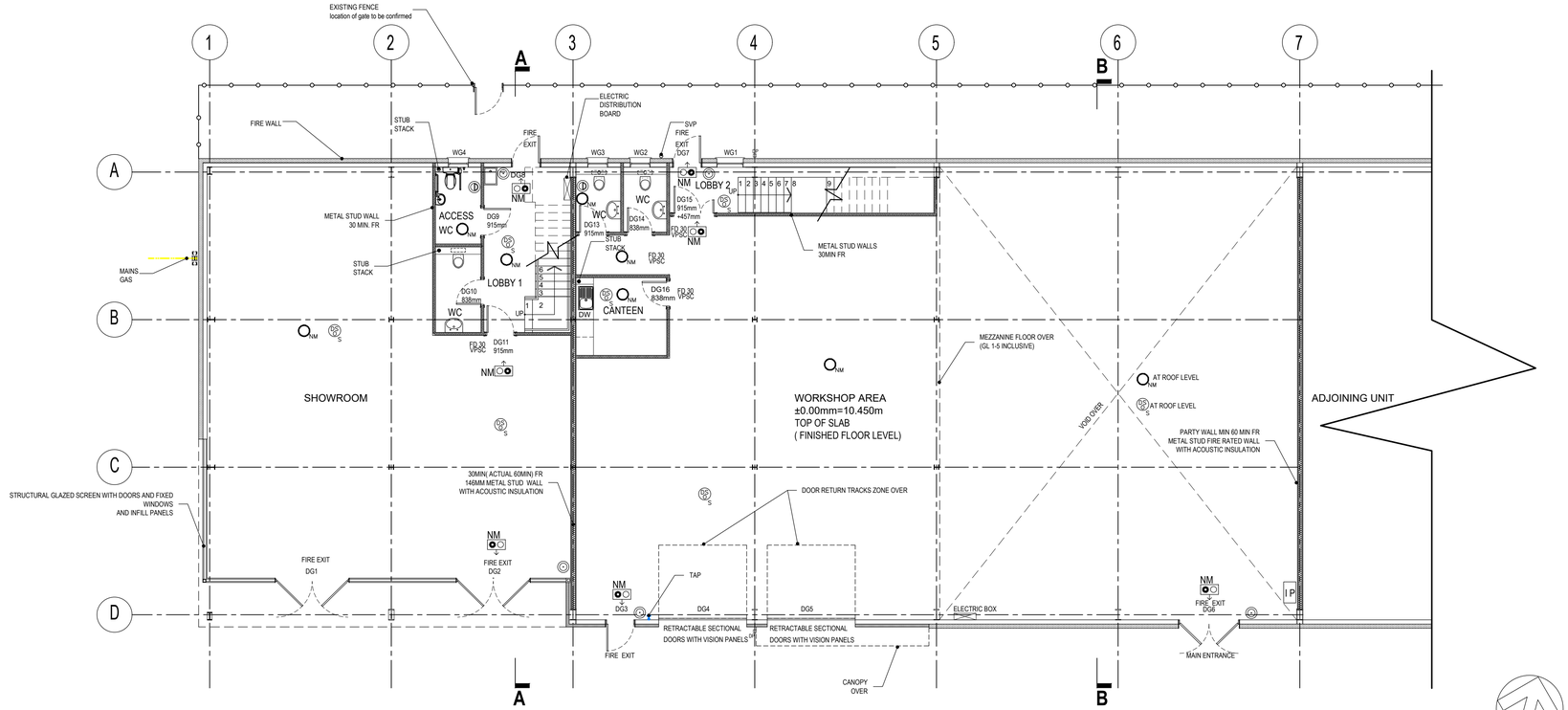
THIS DRAWING IS COPYRIGHT
Contractor must take site sizes



PROPOSED
FOUNDATION PLAN
SCALE 1:100



PROPOSED
GROUND FLOOR PLAN
SCALE 1:100

0 1m 2m 3m 4m 5m 6m

Scale bar (1:100)

GENERAL -
All construction work is to be carried out in accordance with the latest Building Regulations, BSI / Eurocode standards and Codes of Practice. Should the contractor wish to carry out any variations from the drawings he must first obtain agreement from the Contract Administrator.

RADON PROTECTION -
Site location is not in a Radon affected area as defined by the Health Protection Agency. Radon risk potential estimated at less than 1%.

FOUNDATIONS -

PROPOSED FOUNDATIONS ARE TO BE IN ACCORDANCE WITH REQUIREMENTS AS SET OUT BY STRUCTURAL ENGINEER. SIZES SHOWN ARE PROVISIONAL.

Proposed mezzanine structure pad foundation to be confirmed. Provisionally 1.2m x 1.2m x 0.6m thick 30N concrete at minimum 1.0m below ground level.

Existing concrete pad and trench fill foundation are to be retained as proposed loadings do not increase.

Blockwork used below dpc level to be 100mm thick solid dense aggregate blocks with minimum compression strength of 7N
Mortar 1 : 4 OPC : sand.
Top of all foundations concrete to be 450mm below finished level of ground floor slab.
GROUND BEARING FLOOR SLAB -
Floor construction to be in accordance with requirements set out by Structural Engineer.

WORKSHOP:
150mm thick concrete slab reinforced with two layers of A142 mesh bottom and top by S.Engineer design, and trowelled smooth
1200 gauge polythene DPM over minimum 150mm well compacted hardcore with sand blinding.
DPM to be lapped and sealed to DPC at external walls.

SHOWROOM (insulation under the slab)
GL 1-3 and Canteen and toilets GL 3-4 :

150mm thick concrete slab reinforced with two layers of A142 mesh bottom and top by S.Engineer design, and trowelled smooth
1200 gauge polythene DPM over 70mm Celotex GA4000 over
minimum 150mm well compacted hardcore with sand blinding.
DPM to be lapped and sealed to DPC at external walls.
with 25mm perimeter insulation.
(Estimated U-value 0.18 W/m2K - 0.30 P/A)

NB: TYPE OF INSULATION USED UNDER THE CONCRETE SLAB TO BE APPROVED BY STRUCTURAL ENGINEER.

DRAINAGE -
Foul:
New installations to be connected to existing foul drainage system as discharges to public sewer.
100mm Osma pipes to arrangement as indicated, all laid to existing falls mn 1:40 and bedded and surrounded with 10mm pea shingle (min. 100mm).

Waste fittings -
Sizes to be as follows:
WHB 32mm dia.
Sink 40 mm dia.
WC 100 mm dia.
Traps to be 75mm deepseal anti-syphon type.

Storm water:
New down pipes discharge to 100mm Ø drainage pipes.
Osma pipes to arrangement as indicated, all laid to specified falls and bedded and surrounded with 10mm pea shingle (min. 100mm). Connect to existing sewer.

Rainwater goods -
Kingspan integral colour coated pressed metal gutters
100mm square metal downpipes

HEATING - Provisionally
Electric air conditioning units to provide space heating / cooling.

Workshop to be unheated.

Hot water:
To Showrooms, toilets, canteen etc:
Electric immersion heaters within factory insulated storage cylinders to provide hot water.
Installations to comply with requirements of Building Regulations Part G ensuring safe operation of system to prevent excessive temperature and scalding.

ELECTRICAL -
Light fittings to be low energy type.
Light switches and sockets to be between 450 and 1200mm above FFL.

EMERGENCY LIGHTING SYSTEM -
3 hour non-maintained emergency lighting system to be provided throughout, manufactured & installed in accordance with BS 5266-1:2016.

FIRE DETECTION / ALARM SYSTEM -
Mains interlinked fire detection and alarm system to be provided throughout. Installations to comply with relevant requirements of BS 5839-1: 2017.

MECHANICAL VENTILATION -
Mechanical extract fans to be provided in the following locations giving the indicated minimum extract rate -
Canteen: 30 litres/second (extract over hob)
WCs: 15 litres/second
Extracts to vent to open air through external walls

STAIRS -
Mild steel stair to main entrance LOBBY 1
and timber stair to LOBBY 2 ,
all to arrangement as indicated on plans.
Nominal width 1200mm
Landings min. 1200mm deep
Total rise 2900mm
17 No. risers each of maximum17.60mm nominally
Goings minimum 260mm
Handrails to both sides, 900mm above line of nosings
Guardings to landings to be 1100mm high
Balustrades to comply with Building Regulations Part K
Min. headroom 2.0m throughout

LIFT-
No lift provided as there are no exclusive activities at first floor.
EXTERNAL WALLS AND ROOF :

COMPOSITE SHEET CLADDING TO ROOF AND WALLS -
TO BE CONFIRMED BY CLIENT PROVISIONALLY:
Installations to comprise Kingspan KS1000 trapezoidal insulated panels.
Wall panels:
115mm core thickness, 146mm overall thickness
(U value 0.16 W/m2K)
Roof panels:
115mm core thickness, 146mm overall thickness
(U value 0.16 W/m2K)

INTERNAL METAL FRAMED PARTITION WALLS -
At ground floor where partitions extend from floor slab to underside of ceiling plasterboard , construction to comprise of 70mm Gyframe metal studs at max 600mm centres with one layer of 12.5mm Gyproc Wallboard to each side, insulated with 50mm of acoustic insulation, plaster skim finish at ground floor.

First floor partitions to be the same as ground floor.

Note
At GL3 and 7 where partitions extend from ground floor surface to underside of composite roof panels, construction to comprise of 146mm Gyframe metal studs at max 600mm centres with two layers of 12.5mm Gyproc Wallboard to each side, insulated with 140mm of acoustic insulation, plaster skim finish.
To achieve a combined 1hr FR and min 50dB sound insulation.

For further construction notes please refer to drawing 4010-02

TRAVEL DISTANCES - DESIGN ASSUMPTIONS -
SHOWROOM:
One Direction - 18m
Multiple Directions: 45m

Storage/Industrial (Normal Hazard):
One Direction - 25m
Multiple Directions: 45m

KEY TO SYMBOLS

- Optical smoke detector - with integral sounder
- Illuminated directional fire exit sign - non maintained with 3hr battery back up
- LED emergency lighting - non maintained with 3hr battery back up
- Call point
- Disable alarm
- Indication Panel

Rev.	Date		Init
G	26.07.23	AS BUILT ISSUE.	EK
F	04.04.23	BASIN IN WC NEXT TO DG10 MOVED TO SOUTH WALL.	EK
E	25.01.23	GF BLOCKWORK REPLACED BY METAL STUD WALLS. DG12 SWING CHANGED IN TO LOBBY, 'ACCESS.' REMOVED FROM WC. SOUND INSULATION REMOVED FROM CEILING GL 1- GL 3 . THERMAL INSULATION TO GL3- GL5 TO BE 300mm MINERAL WOOL.	EK
D	19.01.23	REVISED TO COMMENTS AFTER MEETING WITH CONTEMPO,CURTIS AND SALISBURY GLASS AT GAIGER'S OFFICE. FLOOR SLAB REVISED TO S.ENGINEER SPECIFICATION.	EK
C	13.01.23	REVISED TO GAIGER'S COMMENTS.	EK
B	09.01.23	PRELIMINARY BUILDING REGULATION NOTES PROVIDED	EK
A	15.12.22	REVISED TO CLIENT'S COMMENTS	EK

CLIENT
CONTEMPO LTD

PROJECT
REINSTATEMENT OF FIRE DAMAGED BUILDING, CRUSADER PARK ROMAN WAY WARMINSTER

DRAWING
FOUNDATION AND GROUND FLOOR PLANS

DRAWN: EK | Date: 06/12/2022 | Scale: 1:100 @ A1
Drawing number: 4010-01 | Rev. G

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