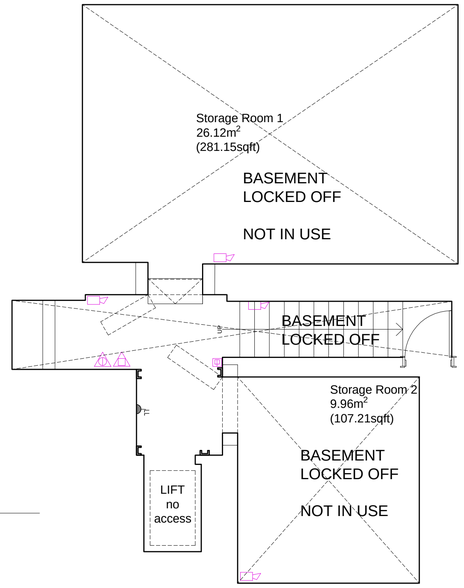
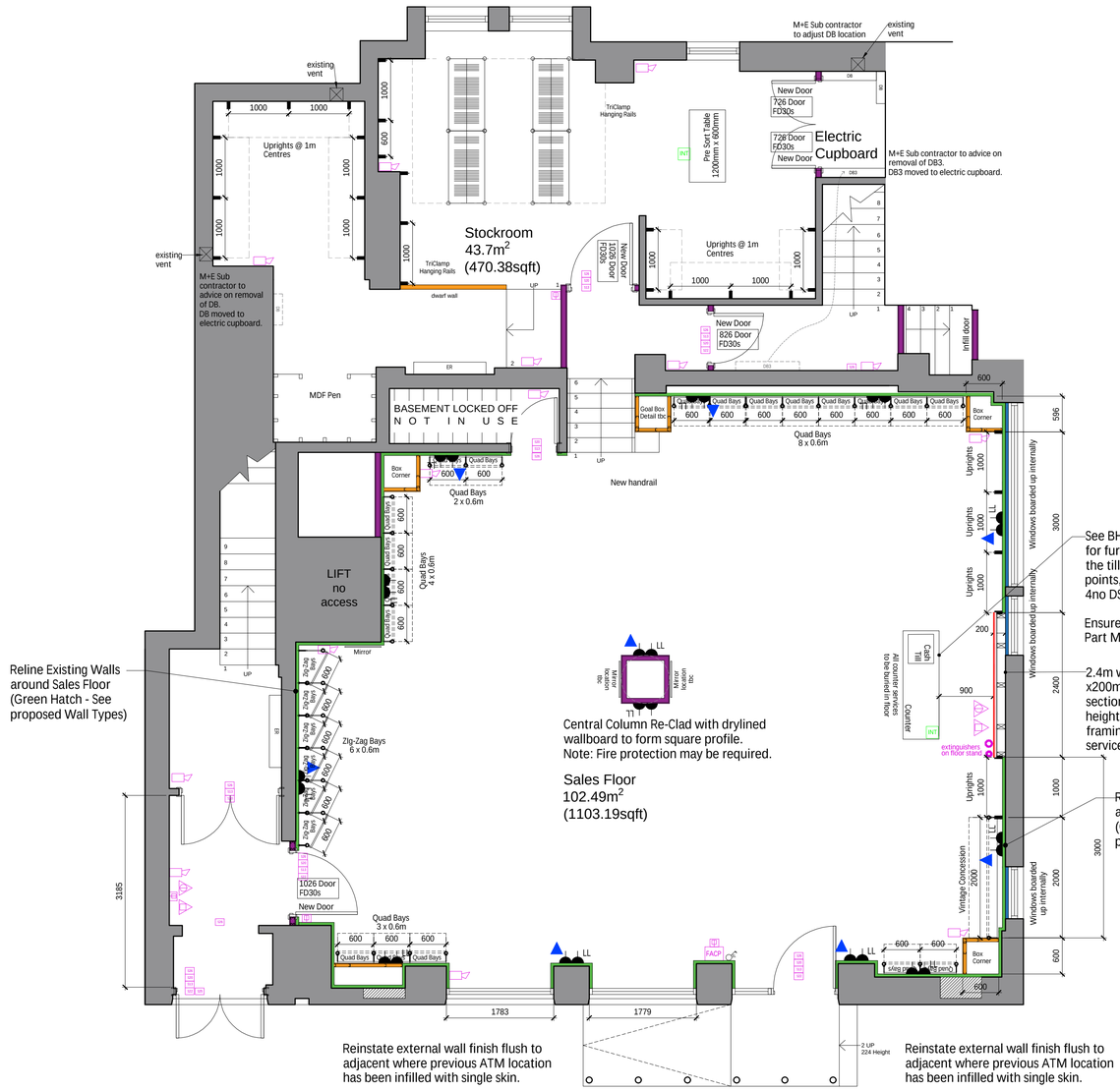


Lower Ground Floor Plan as Proposed

0 1 2 3 4 5
metres

1:50



Ground Floor Plan as Proposed

0 1 2 3 4 5
metres

1:50

NOTES:

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
ALL DIMENSIONS TO BE CHECKED ON SITE.

HEATING & VENTILATION

Through wall Extractor Fan
Ceiling Mounted Supply/Extract Grille

NOTE:Existing above ceiling ventilation ductwork & fans to be fully serviced to ensure full working order in accordance with CIBSE Guide B. See drawing SD3001
Supply and extract to reuse existing ducted systems to be designed by MVHI engineer.

NOTE: Existing ventilation to be retained and refurbished and provide air changes as CIBSE requirements. Where air conditioning to be replaced, then M&E consultant to specify and install new system. Provisional extract and supply locations indicated

NOTE: Ceiling fan heaters (100% efficient) provided with remote switching, and linked to room thermostat/timer for Sales and Staff Area separate zones.

Existing Wall/Ceiling Mounted Supply/Extract Grille
3kW Bush Nelson ceiling recessed electric Heater (Sr/Surface Mounted, R/Recessed)
3kW Dimplex AC3 wall or ceiling mounted Electric Heater
3kW electric panel heater (ref Dimplex PLX 300Tt)
"Cold Watcher" Thermostatic Electric Heater
Quartz Ray Electric Heater
Extraction unit
HWI Radiator
Radiator
Wall/Ceiling Mounted Supply/Extract Grille
Water Heater

SUSPENDED CEILING & LIGHTING

Ceiling panel light
Existing Ceiling Mounted Spotlight
Existing suspended ceiling where noted
600x600 RECESSED LED fitting, Ref KODAK(5LED30FN), 4W40 3W LED PANEL 2900LM 4000K

NOTE: include for providing extra section of ceiling grid to trim cut tiles where each wall washer light fitting lumens than 22 lamp lumens per circuit
All lighting to be controlled by local isolation to allow staggered start up in the morning, 100% when the store opens. Locations as shown on drawings.
NOTE: PIR sensors required to WC lighting
NON-SALES AREAS Luxeon LUXPACK BATEN 1500mm x600mm 48w STANDARD
Philips 37440T LED 355/840 PSU W8 L1 WH
Existing Wall Mounted Bulkhead
Hacoit Aspen Black
Hacoit Pilot Black Ceiling Mounted Wall Light (switch or pull cord)
Standard 2-D bulkhead or pendant light fitting (switch or pull chord)

NOTE: All lights are to be wired using the Wieland or Kilk system. Operation of these lights is to be via fish key switch by front door

INTRUDER ALARMS

Intruder Alarm Control Panel
Motion Detector
External Alarm Sounder

ALLOW FOR TESTING/RETAINING OR REPLACEMENT OF EXISTING INTRUDER & FIRE ALARM SYSTEM

EXISTING WALLS

Existing Partition Walls to be retained

ELECTRICAL INSTALLATION

Accessible WC Emergency Assistance alarm sounder and light indicator. Sounder to be interfaced to Fire Alarm.
Alarm Pull Cord — Internal access panel
Low Level Double switched socket outlet
High Level Double switched socket outlet
USB Sockets built into Sockets
High Level Single switched socket outlet
Data Connection outlet
Low Level Fused Spur
High Level Fused Spur
Telephone point (shop line BM4 and ex-dir line connection in manager's desk)
Wall Switch
E Emergency Twit Switch
Blank Wall Plate
Distribution Boards & Incoming supplies
Electric Water Heater
Remote TV Aerial Point
External halogen floodlight (PIR sensor)
External Emergency Light connected to Fire Alarm System
CCTV camera
Door bell
Door bell sounder

All electrical work to comply with BS 7671:2018+A2:2022, and current I.E.E Regulations. Note: N.I.C.I.E Certificates to be provided for electrical, emergency lighting and fire alarm installations.

All outlets, switches and controls to be positioned and designed to comply with Technical Standard 4.6.6. Min 350mm from internal corners, max 1350mm above FL, socket outlets 400mm above FL.

NOTE: at least 95% of the display lighting capacity in circuit Watts (i.e. the power consumed by lamps, their associated control gear and power factor correction equipment) is provided by lighting fittings with an efficacy not less than 22 lamp lumens per circuit watt. All lighting to be controlled by 'fast man out' centralised switching.

FIRE PRECAUTIONS

FIRE ALARM : All works in accordance with BS 5839 : Pt 1 2017. TYPE L3 System, linked via interface to control panel/fire alarm system. Allow for interface or replacement of existing intruder & fire alarm system
Audibility test will be required, additional sounders may be required to shop floor and store area.
Additional emergency lighting may be required to shop floor and store specialist contractor design to BS 5266 Part 1.

DB 2000A ALUMINIUM 2 POLE
Fire Alarm Bell
Fire Alarm Sounder
Sounder/Strobe Red Wall Mounted
Fire Alarm Strobe Red
Fire Alarm Bell Red
Manual Call Point
Fire Alarm Sounder Red
Fire Alarm with Sounder & Strobe
Smoke detector
Smoke detector above the void
Heat detector
Optical detector
Fire alarm control panel
AMPHENOL UNITS - accessibles 120 VA Class 2

Fire Safety Notes: Wire = Valve ; Pig = HLSPHER Leaflet Fire Fighting Equipment
Minimum Number of Exits: 2
Provisional Fire Evacuation Type: to be decided by Fire Safety Engineer - will be dependent on occupancy numbers
Smoke Vents: Shall be electrically and manually operating and to cover all adequate zone containing escape routes. Smoke vents to be provided in accordance with current building regulations guidance, and programs which conform to BS5588 Part 1 with priority those opposite exit doors.
Fire alarm system: Shall be to L3 standard. Additional fire detection system required to cover. Down to small or insignificant capacity for non-sleep, sensitive occupancy.

NEW PARTITIONS / SHOP FITTINGS

New 90mm fire resisting stud partitions 102mm One layer of Gyproc wallboard to one side of studs, 50mm mineral wool quilt, one layer of 72mm Gyproline 70 A0 50 Acoustbuds at 600mm centres - Laken up to underside of structural soffit, fire stopped and any services penetrations to receive fire collars/dampers etc to maintain partition REI30. Web joints taped and filled, extending up to underside of Roof/Slab.

SURFACE SPREAD OF FLAME RATINGS: WALLS/PARTITIONS: Plasterboard Class 1.
SUSPENDED CEILING: Class 1.
STORAGE PEN WALLS: MDF Class 3.

New standard partitions in 75mm.
Metal Stud Gyproline 72 studs at 600mm centres with 1xNo. layer of 12.5mm "Gyproc wallboard" plasterboard each side, with joints taped and filled, extending up to Ceiling only.

MF Stud DF-board 12mm painted grey
Total 50mm thick, boarding for windows.

Dryline to existing blockwork perimeter walls.
12.5mm "Gyproc" Plasterboard on 0W frame.
Total 50mm thick, extending up to ceiling only.

NEW FD30 FIRE DOORS

BDS v 1981 x 44mm Fire doors and frames, doors marked FD30 to be 30/30. Over-head door closers, intumescent strips and smoke seals fitted into frame and edges of all fire doors. Tubular 'D' pull handle and push plate. 2No. wired glass vision panels as shown on adjacent diagram.

Floor Finish
Forbo allura wood grey raw timber effect vinyl.
Ref W60 152 tread in line with manufacturers specifications upon completion

Glazing in accordance with BS8262 Part 4: 2006, and provide 30 minutes integrity and insulation duration. (1) Fire sign both sides (or 2) where applicable
Fire exit doors indicated FE after door number to be fitted with emergency escape furniture (panic bolt / mortice escape dead lock) capable of being opened without a key, and fire notices SD5 SD6 SD8.

Automatic doors should comply with Approved Document B volume 2: 2022 paragraph 5.15
5.15 Where revolving doors, automatic doors and turnstiles are placed across escape routes they should comply with one of the following:
a. They should provide the clear openings of the required width and comply with one of the following conditions.
i. Their failsafe system provides outward opening from any open position.
ii. They have a monitored failsafe system to open the doors in the event of the security system fails.
iii. They fail safe to the open position if the power fails.
b. Non-automatic swing doors of the required width are provided immediately adjacent to the revolving or automatic door or turnstile.

Automatic doors complying with BS 7036 and either:
a) they are arranged to fail safely to outwardopening from any position of opening; or
b) they provideed with a monitored fail-safe system for automatic opening in the event of power fail; and
c) swing doors to the required width are provided immediately adjacent.

Note: Once installed, a suitable system is put into place to ensure the fire and release mechanisms, together with any associated automatic fire detection and manual release mechanism are tested and maintained on a regular basis in accordance with the manufactures instructions. Such testing and maintenance should be recorded in suitable log book and the results of the testing and maintenance by a person of suitably trained staff must be nominated for this purpose.

All exit doors should be maintained so as to be capable of being opened easily and immediately from the inside when required to prevent persons being trapped. Doors with push bars or push pads, handles requiring a turning action should not be fitted. If the door has to kept fastened whilst persons are on the premises the fastening should be by means of a panic latch or panic bar (or similar) so that the door can be readily opened by pressure applied by persons within.

Pen
Storage pen to height at least 500mm below ceiling height.

Triclamp tubular hanging railing system with 25mm melamine shelf over full length as shown on plan. Shelf supported on vertical tube at 1m centres and off 73x25mm s/w batten at 600mm centres fixed to wall.
4 = double rails (1000mm and 1075mm), 1 = single rail (1875mm), n = hangers (spaced at 250mm, in 950mm wide space either side of cart table)

Integra Quad modular wall upright system @ 1000mm and/or 600mm centres as shown, with 100mm fixed brackets fixed off 80mm deep, 25mm thick timber batten at 600 and 1950mm to centre-lines of batters (refer to Detail drawings for general arrangement).

Twin Slot (Cantel) upright system @ 1000mm and/or 600mm centres as shown, 2m or 2.8m lengths as shown.

Shop front window unit

Door fastenings should comply with approved Document B Volume 1: 2022 paragraphs 5.7 to 5.9
5.7 In general, doors on escape routes (whether or not the doors are fire doorsets) should be either
a. Not fitted with a lock,
b. Fitted only with simple fastenings that are all of the following
i. Easy to operate. It should be apparent how to undo the fastening
ii. Operable from the side approached by people escaping
iii. Operable without a key.
iv. Operable without requiring people to manipulate more than one mechanism.
v. Capable of being fitted with hardware to allow them to be locked when rooms are empty.
In places such as hotel bedrooms, locks may be fitted that are key operated from the outside and manually opened from the inside.
In other buildings such as keypad or combination keypad, swipe or proximity card, biometric data, etc., a security mechanism override should be possible from the side approached by people escaping.

5.8 Electrically powered locks should return to the unlocked position in all of the following situations.
a. If the fire detection and alarm system operates.
b. If there is loss of power or system error.
c. If the security mechanism override is activated.
Manual override controls for electrically powered locks should be a Type A call point as described in BS 7273-4. The call point should be positioned on the side approached by people escaping. If the door provides escape in either direction, a call point should be installed on both sides of the door.

5.9 In places of assembly and shop and commercial buildings (purpose groups 4 and 5), doors on escape routes in buildings with more than 60 people should be either of the following
a. Not fitted with locks, latches or bolts.
b. Fitted with panic fastenings in accordance with BS EN 1125.
In non-residential buildings (purpose groups 3 to 7), some final exit doors feature security locks
that are used only when the building is empty. Such locks may be appropriate, but management procedures must emphasis their safe use.

- Panic fittings in accordance with BS EN 1125

- Electric powered mag lock return to unlocked position
- If fire detection activated
- If security, mechanism override activated.
- No locks to fire doors and any fastenings easy to operate by fob or key on side of escape direction.

Revision: A	Date: 10/11/2023	Description: See red cloud. -AM
Revision: B amended BOH. -AM	Date: 14/11/2023	Description: Tri clamps and uprights

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Client
British Heart Foundation

Project
New Internal Layout and Signage

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Drawing Title
Lower Ground Floor and Ground Floor Plan as Proposed

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