

SCHEDULE OF NEW ELECTRICAL EQUIPMENT
WITHIN THE HERITAGE ROOMS
PHOTOS

HEATON PARK HALL

Carried out by Gerard Mitchell 4th APRIL 2024

HEATON PARK HALL

GROUND FLOOR ROOMS

ROOM – G.F. LIBRARY





Location of **new proposed dual electrical sockets** supplied via MICC bare copper cable which will be installed within the store and organ room and fixed to socket outlet on back-to-back installation

 Dual Brass Socket

ROOM – G.F. LIBRARY





Location of **new proposed dual intruder alarm** supplied via Cat 6 cables which will be installed within the store room and fixed to the detector on back-to-back installation to both the Main Library and Ante Room area

 Intruder Alarm

Location of the CCTV camera within the Library is as per the existing location

 CCTV Camera

ROOM – G.F. MUSIC ROOM



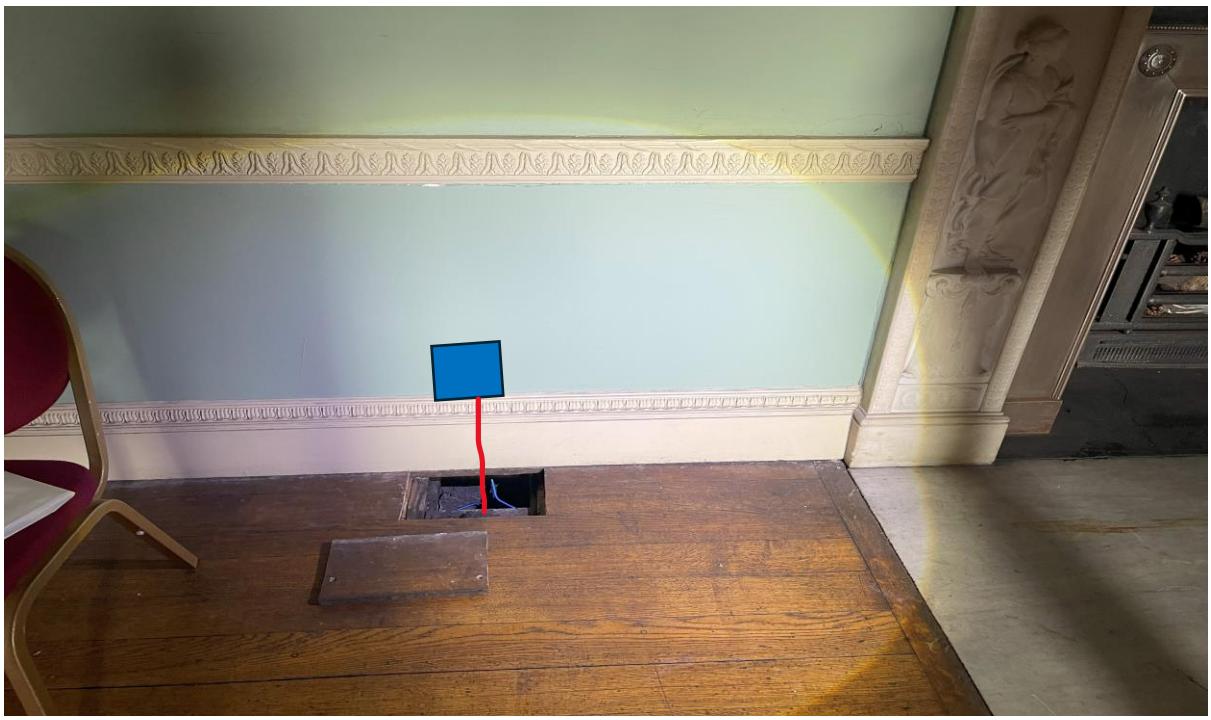
Existing location of CCTV & New Intruder Alarm Detector and associated cable clipped to timber window architrave – Proposal is to locate new Intruder Alarm equipment in the same corner of the room below the CCTV camera and install new cables vertically from the floor to the top of the window using the existing window architrave to clip the cables Existing intruder alarm detector will be replaced and installed next to organ with cable being run through the rear organ room

Intruder Alarm

CCTV Camera

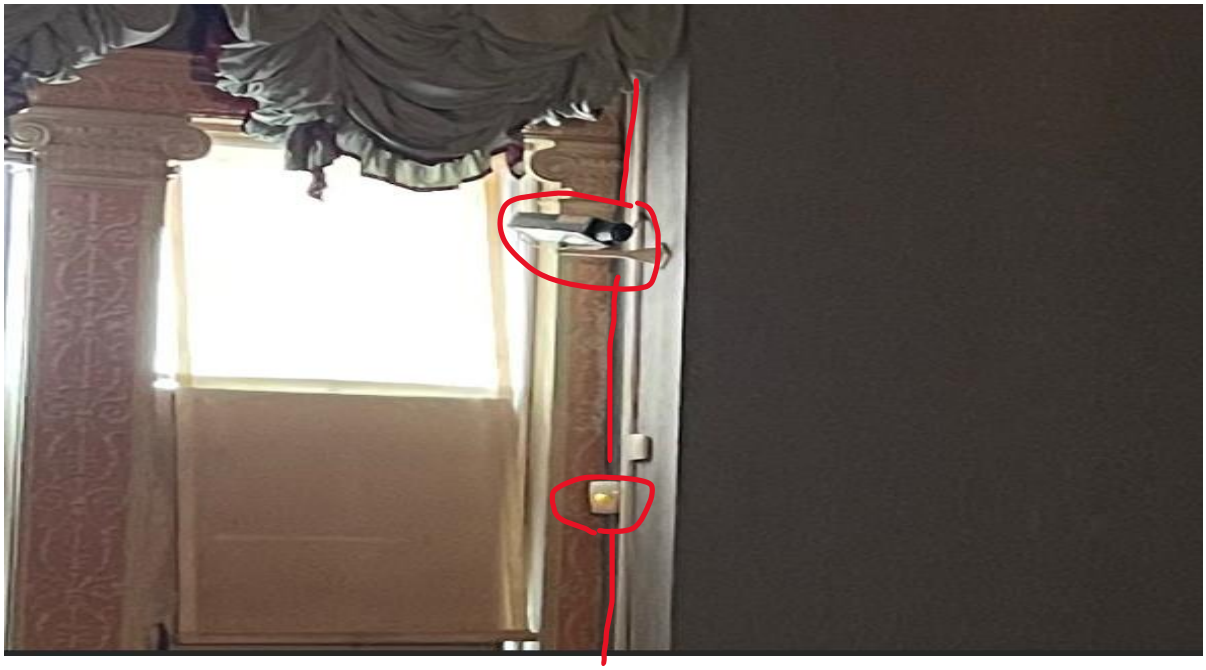


ROOM – G.F. MUSIC ROOM

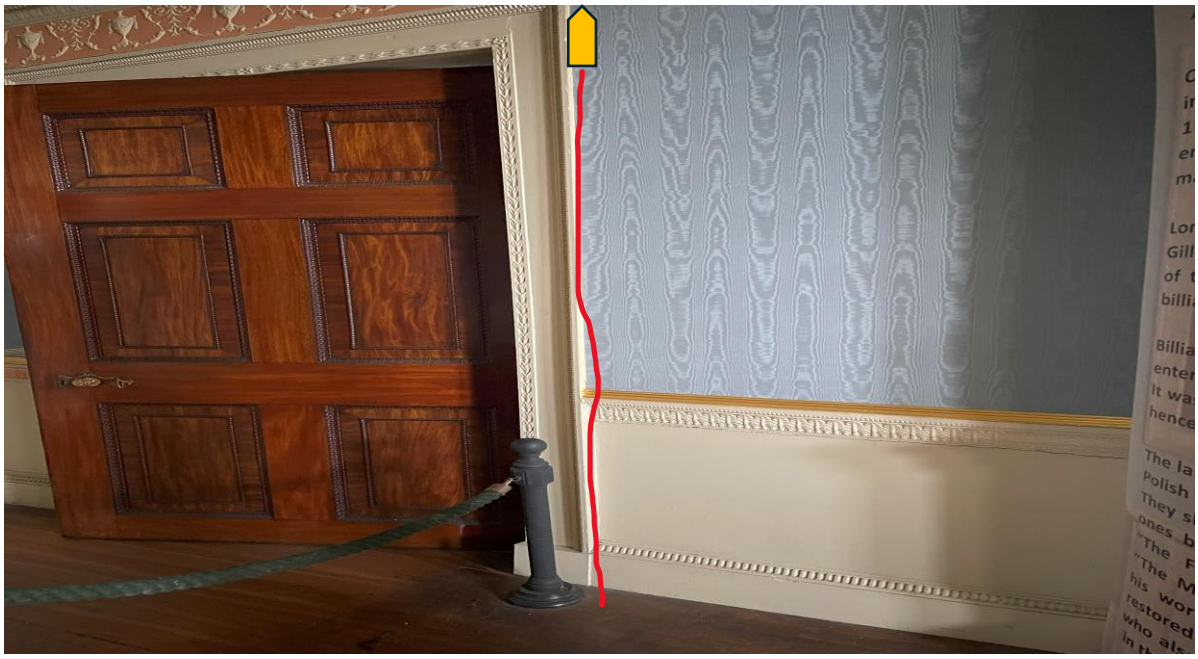


Location of **new proposed dual electrical sockets** supplied via MICC bare copper cable which will be installed within the basement area and enter the socket from the floor boards

ROOM – G.F. BILLARDS ROOM



Existing location of CCTV & Intruder Alarm and associated cable/PVC trunking – Proposal is to remove existing installation, install new equipment in the corner of the same window install new cables vertically from the floor to the top of the window using the wall next to the window architrave to clip the cables – further new intruder alarm detector to be installed next to the door between music room



Location of **new proposed dual intruder alarm** supplied via Cat 6 cables which will be installed within the store room and fixed to the detector on back-to-back installation to both the Main Library and Ante Room area

Photo 1 – New socket cable installed within the floor boards already removed

ROOM – G.F. BILLARDS ROOM

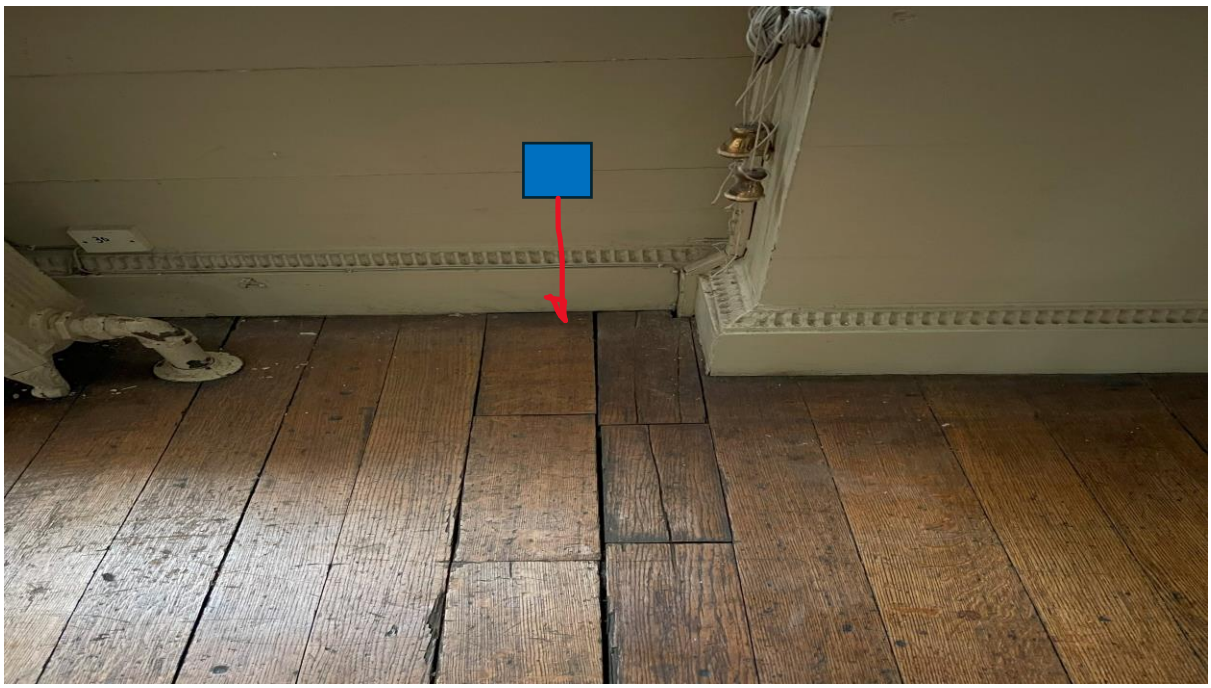


Photo 2 – New Socket Surface Mounted - Back-to-back or Wired in normal manner from floor boards

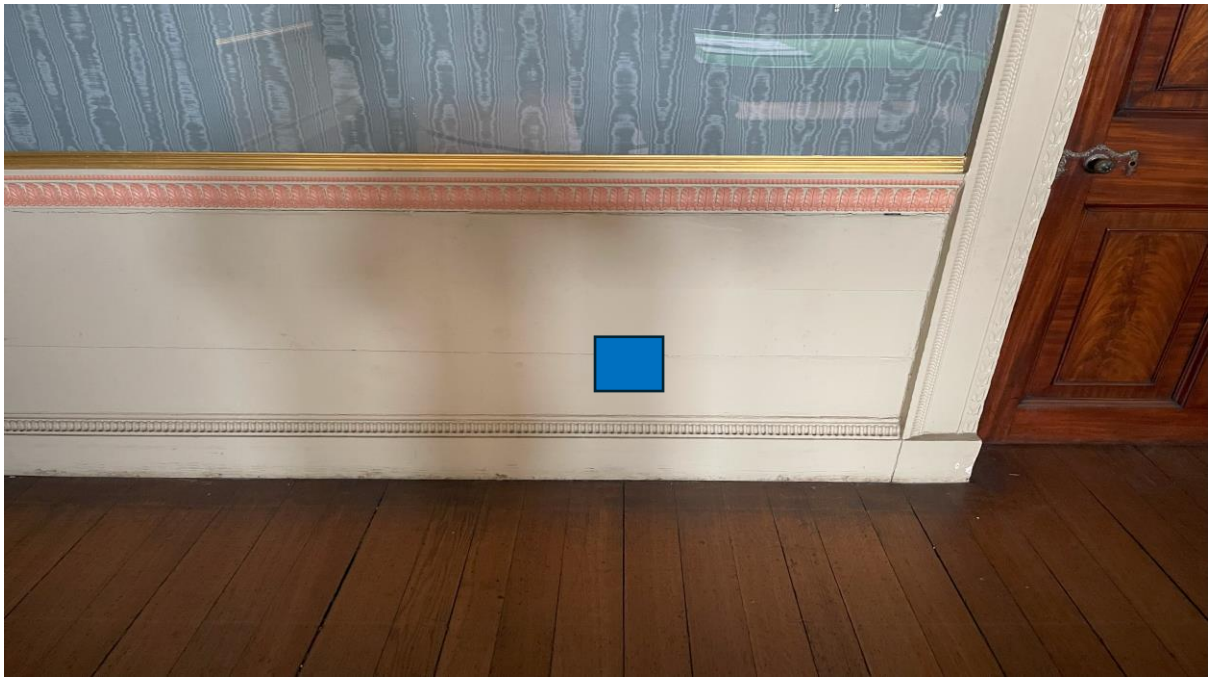


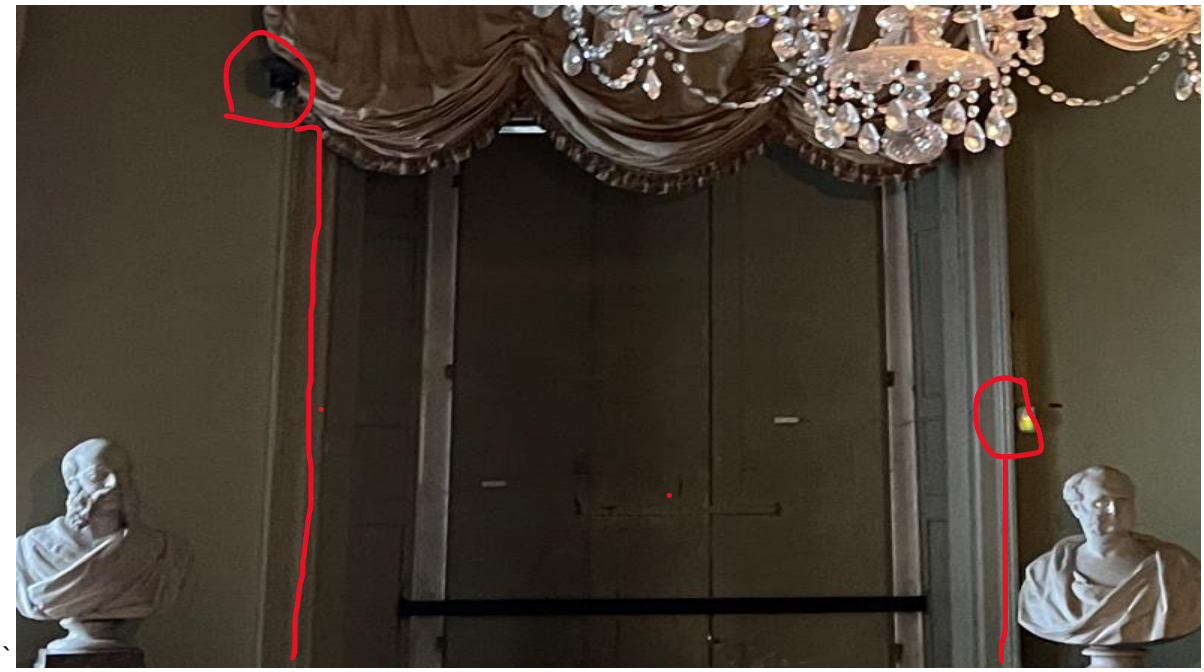
Photo 1 cable is wired through the floorboards to the socket and then rises into the socket

Photo 2 Socket will be wired as a back-to-back socket with the socket in the inner hall

ROOM – G.F. SALOON

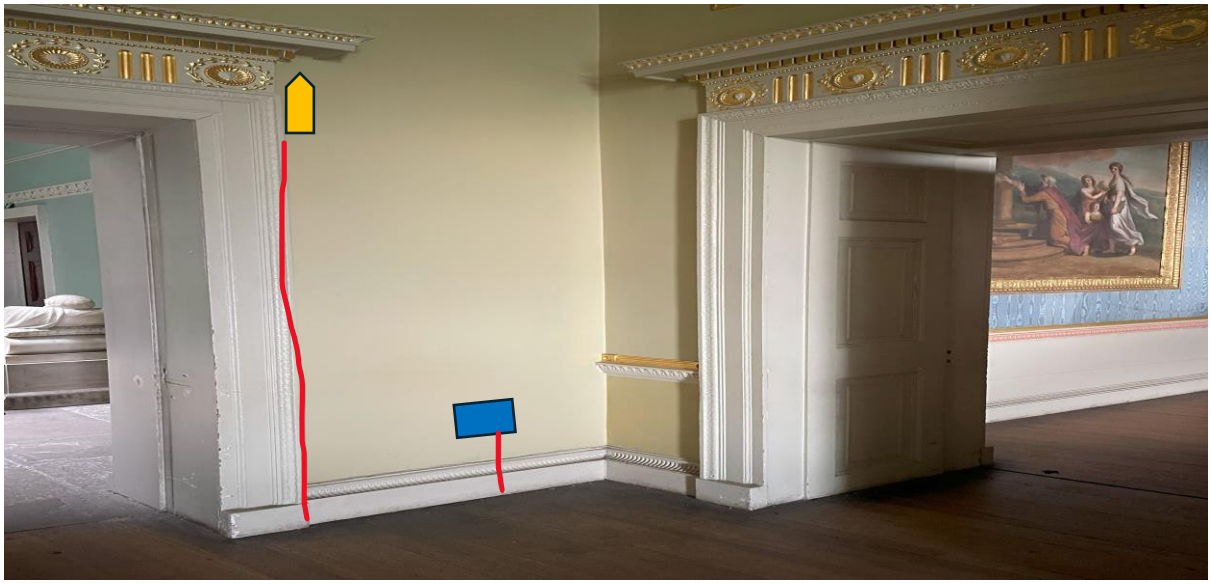


Existing location of socket outlet in skirting board - Proposal is rewire withy new MICC cable and install new brass socket outlet in existing location



Existing location of CCTV & Intruder Alarm and associated cable/PVC trunking – Proposal is to remove existing installation, install new equipment in the corner of the same window, install new cables vertically from the floor to the top of the window using the wall next to the window architrave to clip the cables – further new intruder alarm detector to be installed in the corner of the wall next to the grand staircase

ROOM – G.F. BILLARDS ROOM



New Intruder alarm detector to be installed to wall neat staircase and clipped alongside architrave into the floorboards – New socket will be installed as a back-to-back with the socket in the staircase



New socket outlet installed on far wall, MICC cable wired under the floorboards and basement Existing floorboards already taken up near new outlet

ROOM – G.F. DINING ROOM



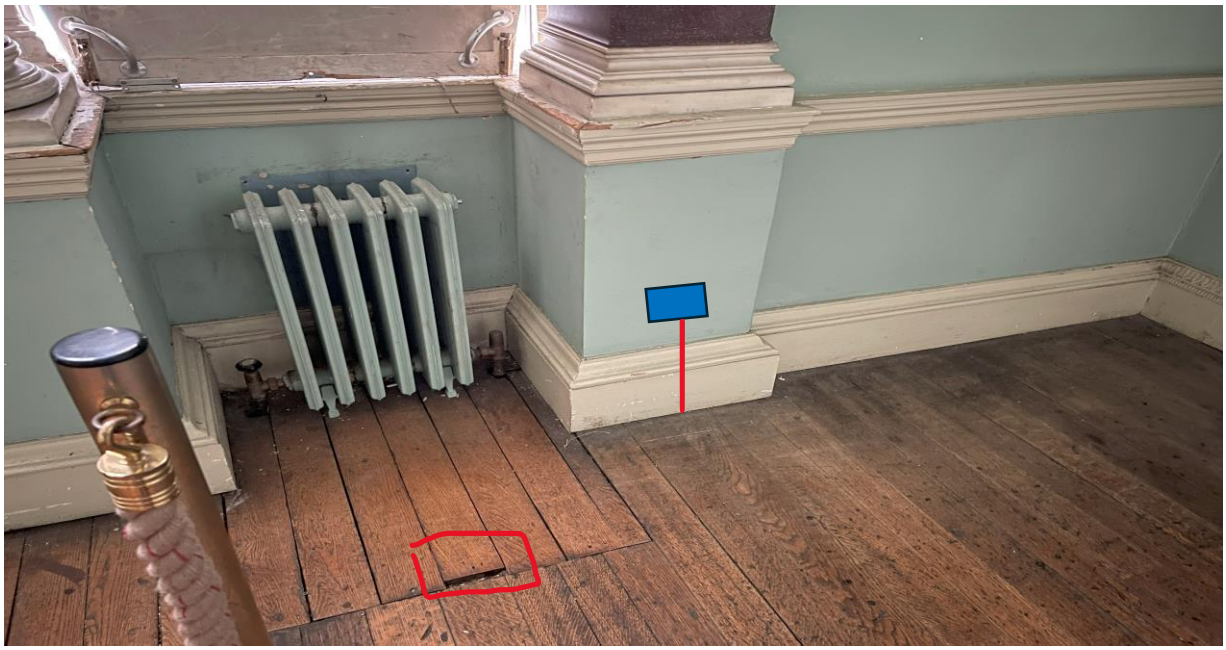
Existing location of CCTV & Intruder Alarm and associated cable/PVC trunking – Proposal is to remove existing installation, install new intruder alarm detector in the corner of the same window, install new cables vertically from the floor to the top of the window using the wall next to the window architrave to clip the cables – CCTV camera to be installed on the opposite wall in the corner with the cables being installed in a store CG7



ROOM – G.F. DINING ROOM



Existing location of socket outlet in skirting board - Proposal is rewire withy new MICC cable and install new brass socket outlet in existing location

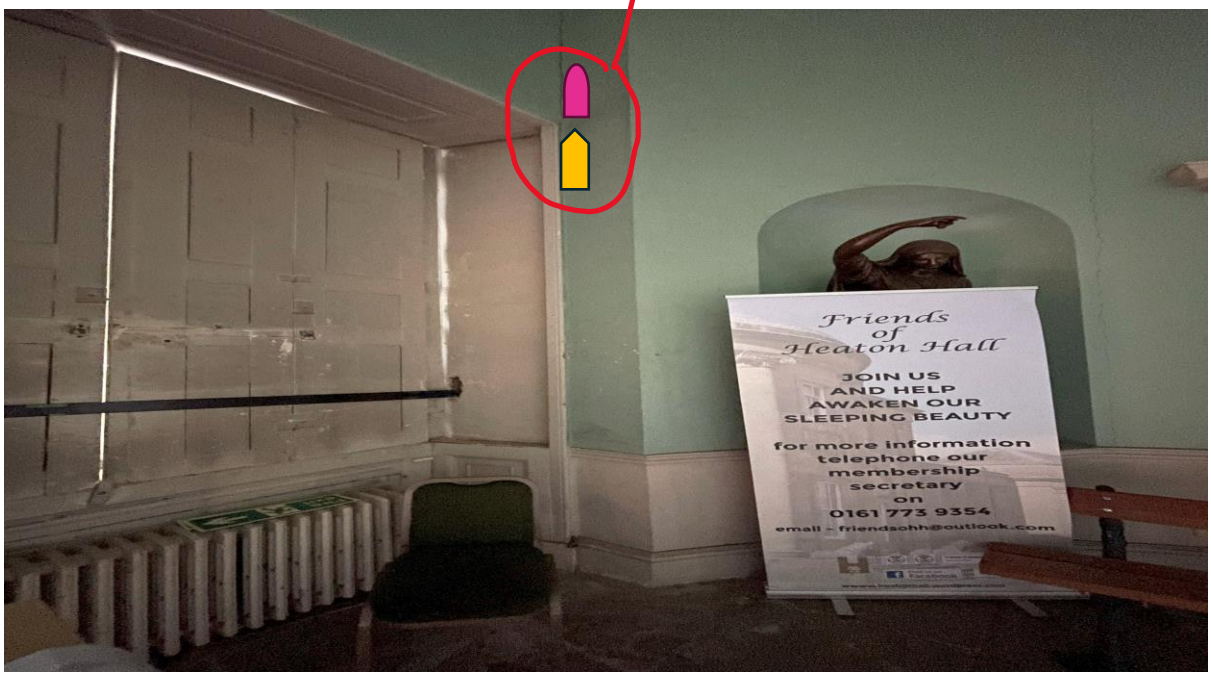


New socket outlet installed on far wall, MICC cable wired under the floorboards and basement Existing floorboards already taken up near new outlet

ROOM – G.F. ENTRANCE HALL

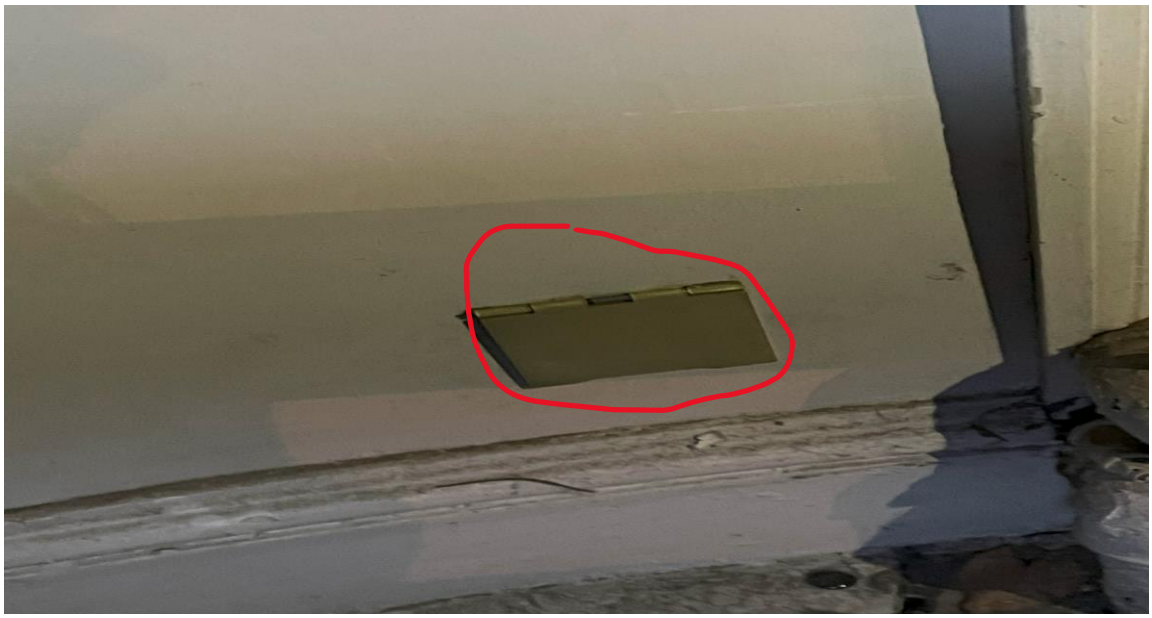


Existing location of CCTV & Intruder Alarm and associated cable/- Proposal is to remove existing installation, install new CCTV & intruder alarm devices in the corner of the opposite wall and install new cables within a riser area vertically from the floor above



New CCTV and Intruder Alarm Equipment Cables will be located within the riser area

ROOM – G.F. ENTRANCE HALL



Existing location of socket outlet in skirting board - Proposal is rewire with new MICC cable and install new brass socket outlet in existing location. **New socket will be installed** near the door entering the hall management office and wired in from room CG8 as a back-to-back socket



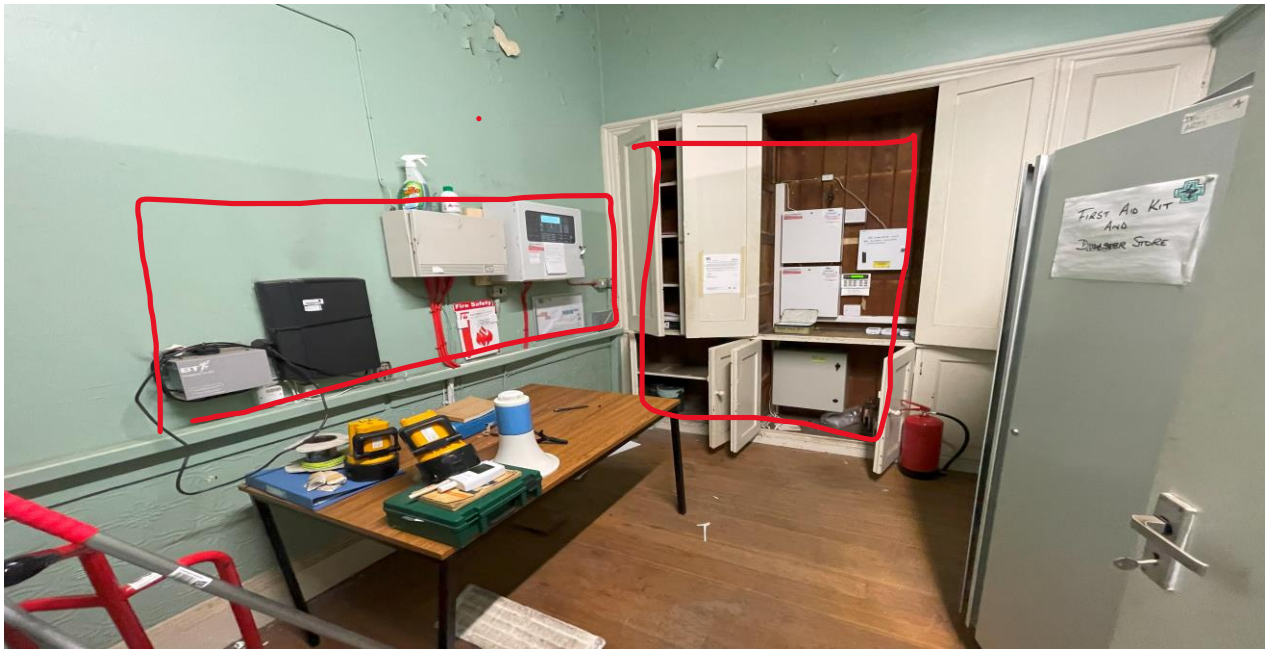


ROOM – G.F. ENTRANCE HALL



Emergency Lighting provided in key escape route areas as a new surface mounted non maintained luminaire to match the new fire alarm detectors

ROOM – CG8 NEXT T0 ENTRANCE HALL



This is the existing layout within room CG8 that provides and allows for the estate team to manage the building life and security safety systems within a secure area which houses the main Fire, Intruder, CCTV & Data main panels and power supplies – Proposal is to rewire all the key systems and supply new equipment throughout and configure this area using less PVC trunking through introduction timber ducting or an agreement in principle for use of PVC skirting/compartment trunking

The current thinking is to remove the shelves in the cupboards and install all the equipment apart from the fire alarm panel into the cupboards to hide the majority of wiring and electrical power outlets required for these services



Existing location of socket outlet in skirting board - Proposal is rewire with new MICC cable and install new brass socket outlet in existing location

ROOM – CG8 NEXT T0 ENTRANCE HALL



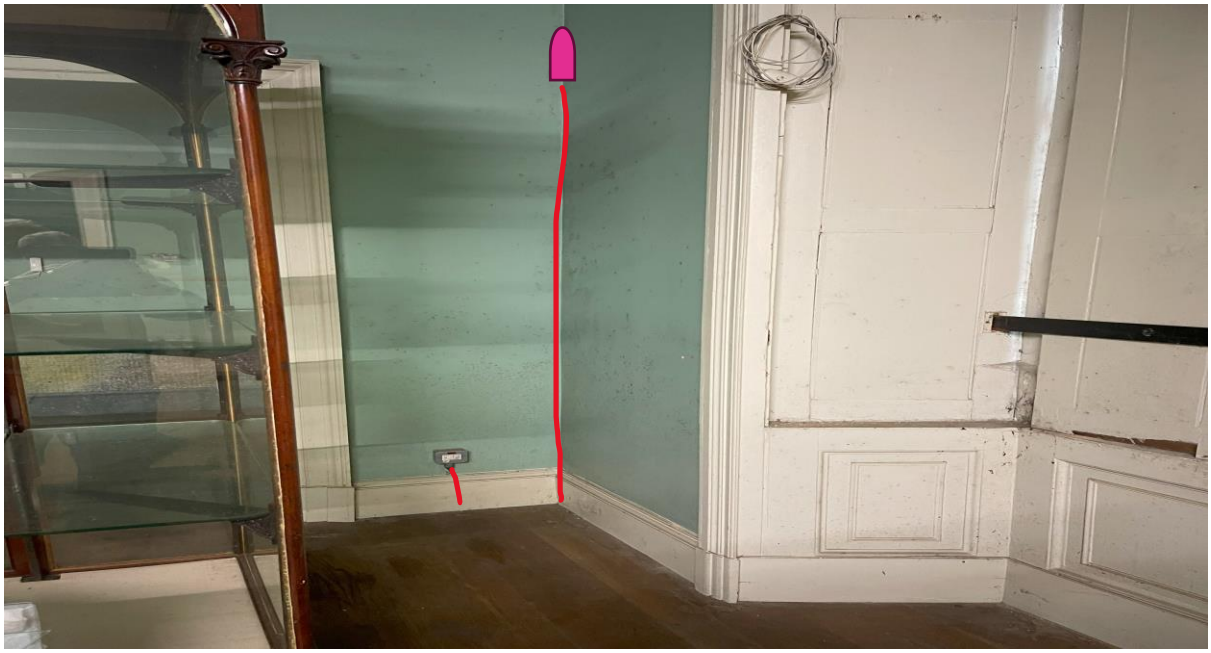
Existing location of BT incoming Lines - Proposal to check if telephone lines are still in use and if not remove all existing BT cables – If new incoming lines are required new location for main incomer will be selected after consultation with MCC IT officers



The existing electrical installation in this photo is to be removed and reduced with the number of sockets, fused spurs etc with new location particular within the office area being installed **Proposal is rewire with new MICC cable and install new brass socket outlet in existing location. A new fire alarm call point will be through WIFI (no wiring)**



ROOM – CG8 NEXT T0 ENTRANCE HALL

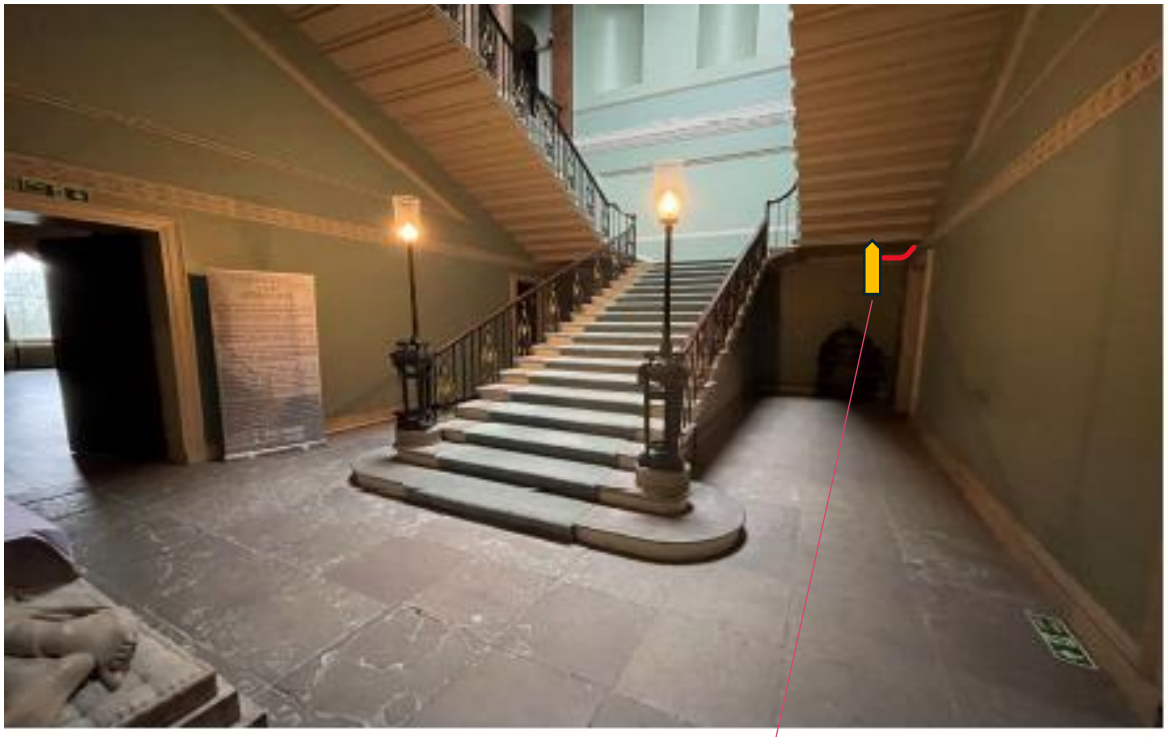






Emergency Lighting provided in key escape route areas as a new surface mounted non maintained luminaire to match the new fire alarm detectors

ROOM –G.F. GRAND STAIRCASE

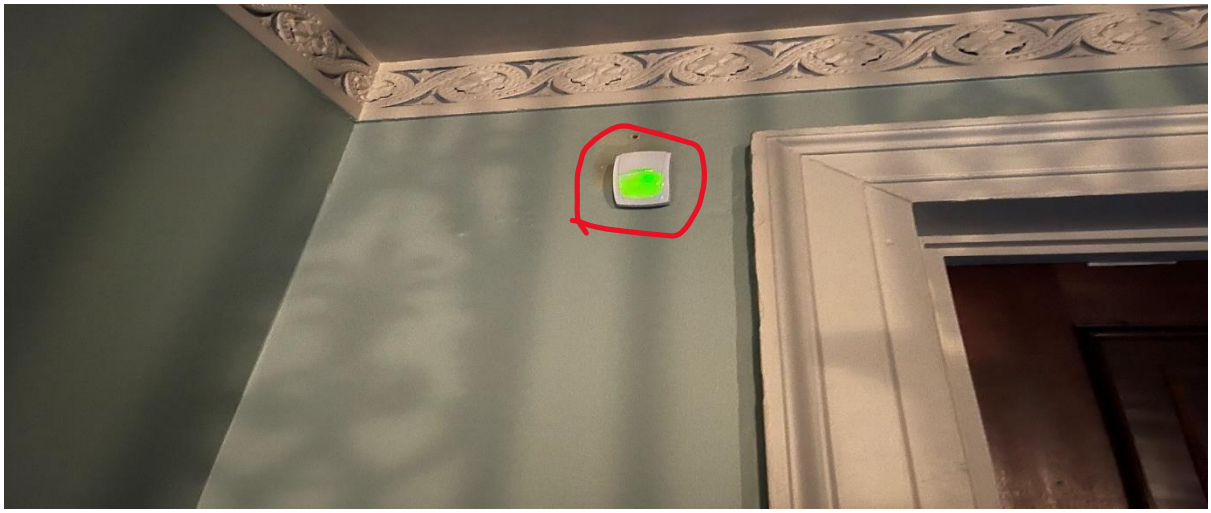


The photo highlights the new location of an intruder alarm detector and associated new wiring to the century staircase fed from the office behind the detector where the main life and security systems controls are located



The photo highlights the new location of an CCTV camera and associated new wiring within the staircase fed from the morning room and within the floor boards.

ROOM –G.F. GRAND STAIRCASE



Existing location of CCTV & Intruder Alarm and associated cable/- Proposal is to remove existing installation, install new intruder alarm device in the same existing location which allows the new wiring to be installed using the same opening I the wall

Note New CCTV camara and associated cabling is to be installed on the opposite wall near the inner hall as highlighted above

ROOM –G.F. INNER HALL



Existing chain suspension luminaire with fluted Monks Cap and Opal Sphere currently does not provide sufficient light for this key area and it is proposed to relocate the luminaire to the Inner Hall Void The proposal is to reinstall the **Existing Colza Oil bronze and glass hanging lamp, 1800-1820s from the Entrance Hall** in this area after refurbishment including longer suspension chain

Location of existing fire alarm smoke detector – Proposal is to install new combined detector for Smoke & Heat at the same location programmed to ensure building is always protected by LIVE fire alarm system



Currently there is no existing lighting in this area - Proposal is to install the existing globe from the inner hall into this area

ROOM –G.F. INNER HALL



New Emergency Lighting provided in key escape route areas as a new surface mounted non maintained luminaire to match the new fire alarm detectors wired through the first-floor existing floor boards



ROOM –G.F. INNER HALL



Proposal is wire with new MICC cable and install new brass socket outlet to the above two new locations. **New socket will be installed** near both the doors entering the circulation area and wired from the basement containment

The main corridor just off the inner hall currently provides CCTV and Intruder alarm detection from this area and will be replaced with new equipment and associated cabling clipped within the void space area and vertically downwards towards the new equipment

ROOM –G.F. MORNING ROOM



The photo highlights the existing chain suspension luminaire with fluted Monks Cap and Opal Sphere and track lighting (**has been now removed**) Proposal will remove the track lighting and associated wiring and replace the existing luminaire with the refurbished Colza Oil hanging lamp, from the library.



Existing location of floor mounted socket outlet (3No) - Proposal is rewire with new MICC cable and install new flush brass socket outlet in existing location

ROOM –G.F. MORNING ROOM



The existing CCTV and Intruder alarm will be replaced with new CCTV camera and associated wiring to the same location as the existing wired using the risers The new intruder alarm will be located on the opposite wall above the door



ROOM –G.F. MORNING ROOM



Existing location of wall mounted socket outlet - Proposal is rewire with new MICC cable and install new brass socket outlet in existing location but to tidy up the extension cable going into the void area

ROOM –G.F. MAIN CORRIDOR C1



Existing lighting surface mounted conical luminaires (4No) will be replaced. The new proposal is to remove all the damaged blistered paintwork and replace the existing conical fittings with new LED type luminaires This area will have long throw PIR detection and surface mounted emergency lighting units All wired from the floorboards on the first floor



Existing location of floor mounted socket outlet (3No) - Proposal is rewire with new MICC cable and install new brass socket outlet in existing location

ROOM –G.F. EXHIBITION ROOM



Existing track lighting with numerous florescent spotlights. will be replaced completely. The new proposal is to replace the existing with new magnetic 3 circuit track c/w LED wall washers, linear spots integrated emergency and lighting controls approved by conservation officer lade out in the same manner as existing



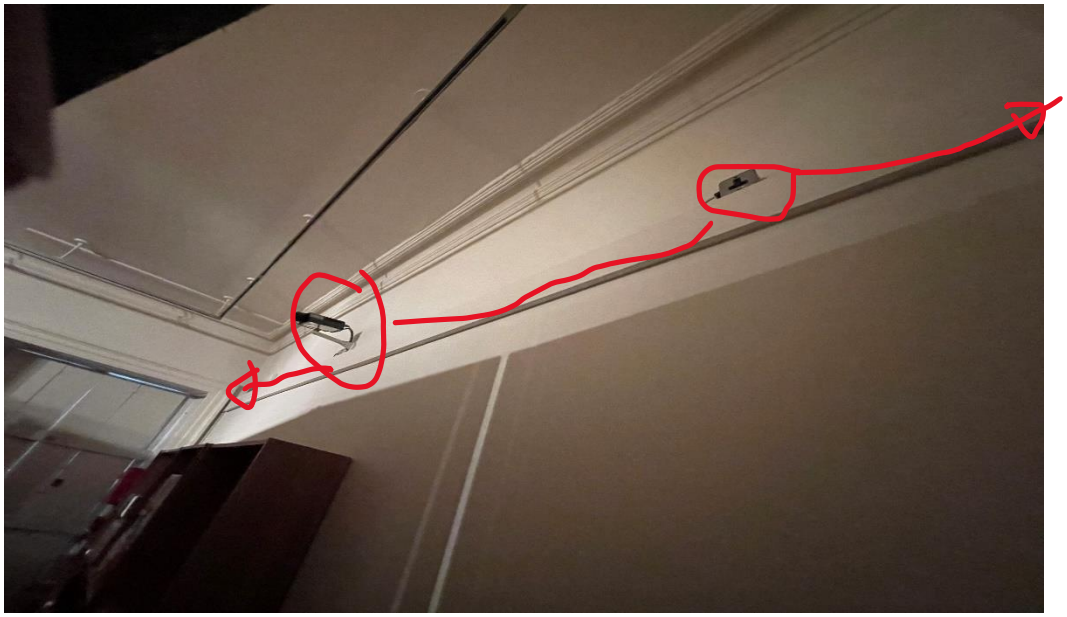
Existing location of CCTV & Intruder Alarm and associated cable/- Proposal is to remove existing installation, install new intruder alarm device in the same existing location which allows the new wiring to be installed using the same opening I the wall

Note New CCTV camara and associated cabling is to be installed on the opposite wall near the inner hall

ROOM –G.F. EXHIBITION ROOM



Existing location of floor mounted socket outlet (3No) - Proposal is rewire with new MICC cable and install new brass socket outlet in existing location

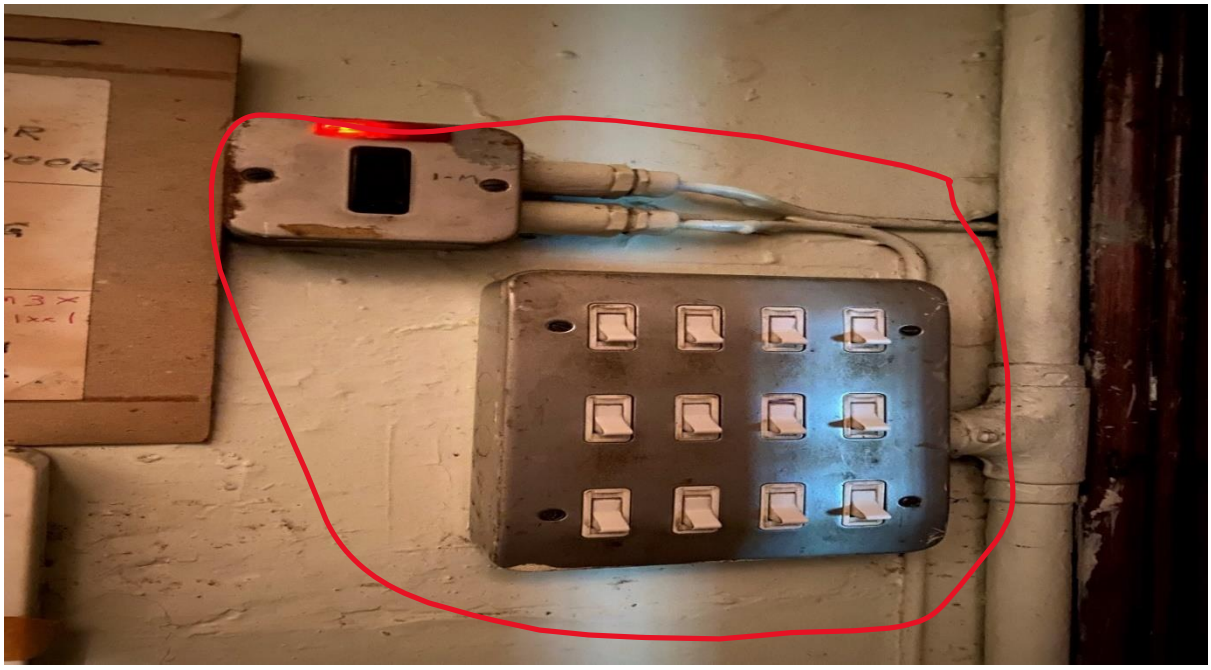


Existing location of CCTV & Intruder Alarm equipment and associated cable - Proposal is to remove existing installation, install new CCTV & intruder alarm devices either in the same existing location or mounted on the new lighting track

ROOM G.F. REAR STAIRCASE



Location of the stairwell damaged lantern light fixed to heavy gauge conduit – to be removed and replaced with a centrally located chain suspended opal glass sphere PVC Earth cables to be installed in correct manner and protected. Surface mounted emergency lighting will be installed also.



Location of all 12-gang light switch serving all hall main rooms heritage luminaires wired in heavy gauge conduit into the floor and roof space – to be removed and rewired

HEATON PARK HALL

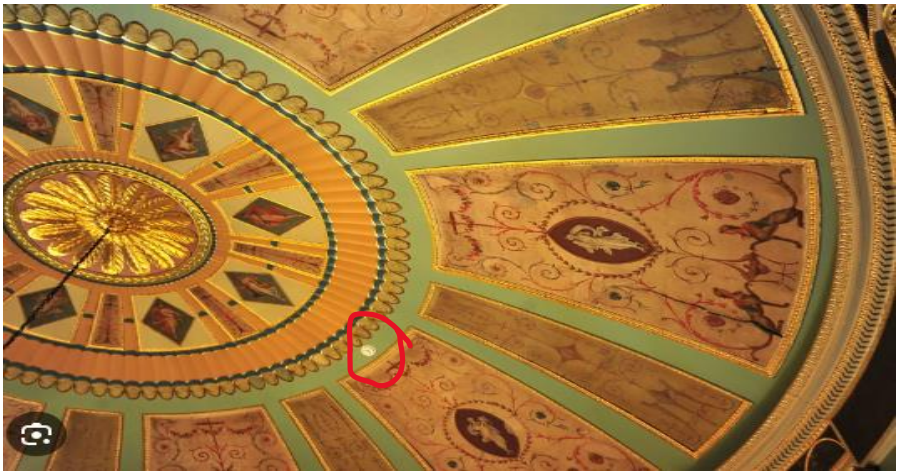
FIRST FLOOR ROOMS

ROOM F.F. CUPOLA ROOM



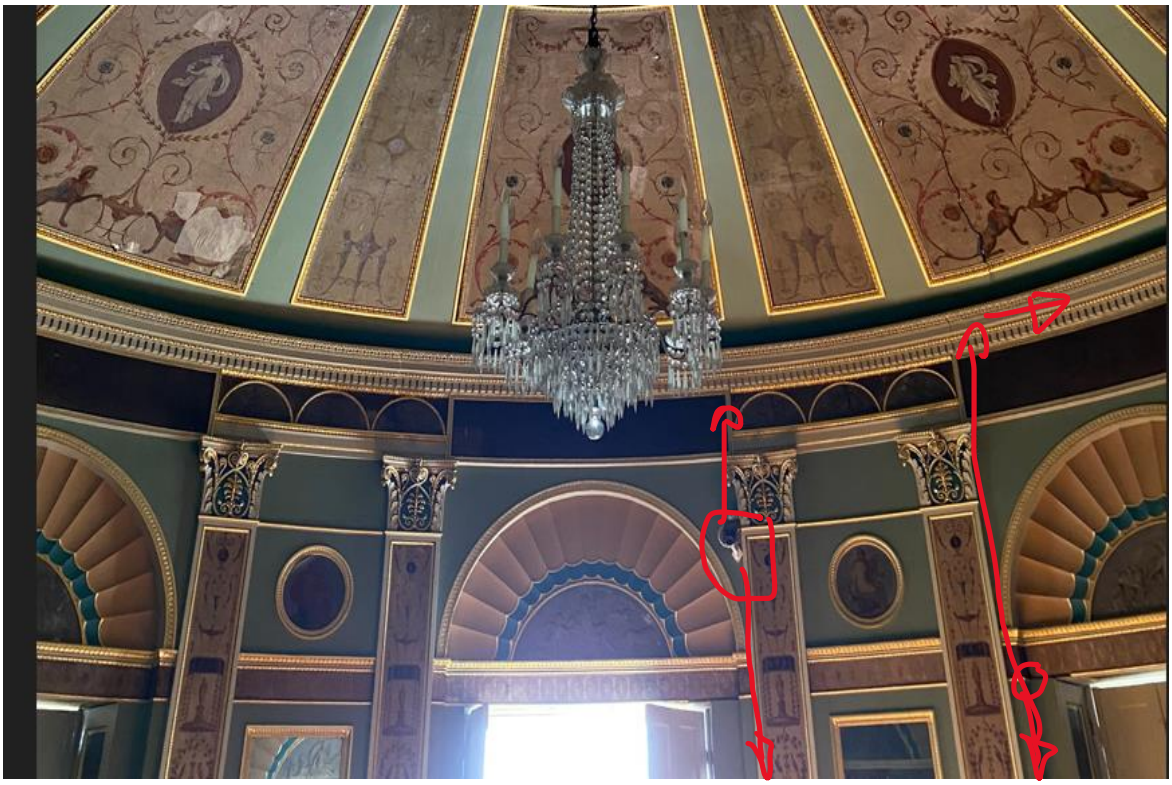
Existing large Ten Arm tent & Waterfall Regency Chandelier with Candle Lamps– Proposal is for the chandelier to be taken down dismantle the chandelier, replace damaged icicles, head pins, remove existing wiring and rewire, clean, and reassemble by MCC nominated lighting specialist Brotheridge Chandeliers

Socket Outlets – The room currently does not have any existing socket outlets due to the quality of the room and its floor finish the new proposal shows 2No new outlets to be installed however following further audits it is **likely that no socket outlets will be installed**



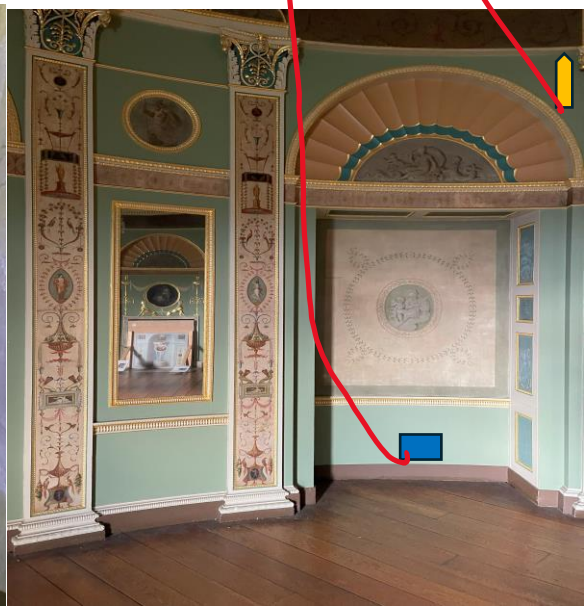
Location of existing fire alarm smoke detectors – Proposal is to install new combined detectors for CO2, Smoke & Heat at the same location programmed to ensure building is always protected by LIVE fire alarm system

ROOM F.F. CUPOLA ROOM



Existing location of CCTV & Intruder Alarm Detector and associated cable clipped to timber window architrave – Proposal is to locate new intruder alarm equipment in the corner of the room and install new cables vertically from the access/rooms on either side (see Photo) The CCTV will be installed in the existing position using the existing window architrave to clip the cables –





ROOM F.F. CUPOLA ROOM

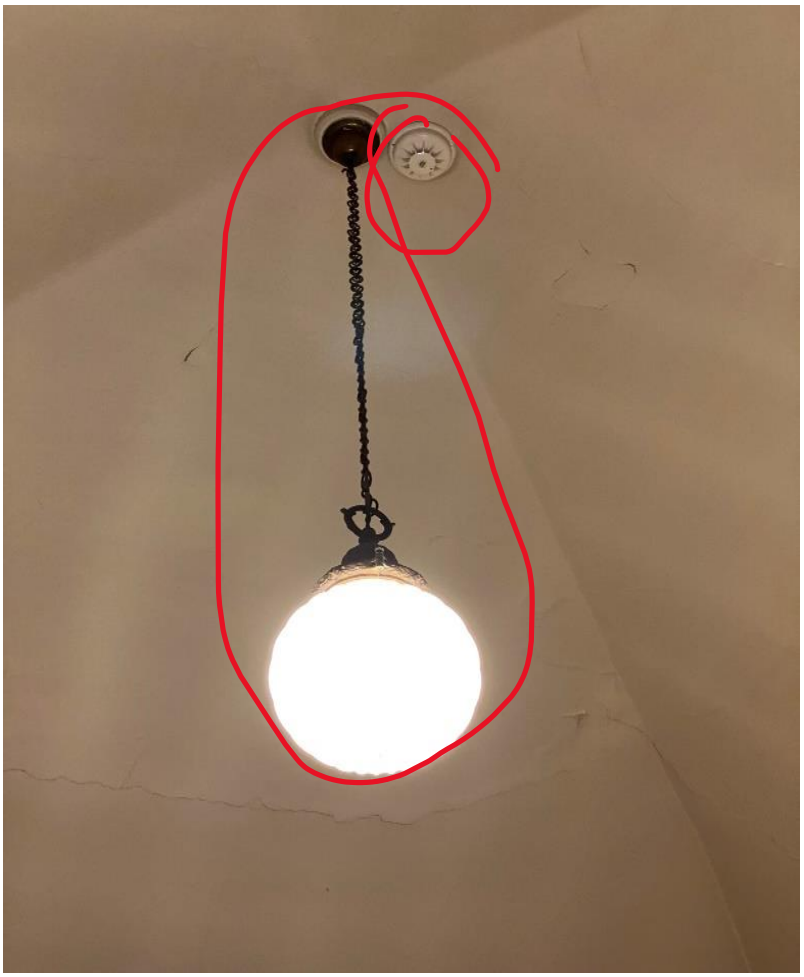


New socket will be installed on the window elevation and wired in MICC bare cable from the floorboards to the local distribution board

ROOMS F.F. LIGHTING TO BEDROOMS & DRESSING ROOMS

CF1, CF2, CF3, CF4, CF7, CF9CF12, CF13, CF14

STANDARD FEATURES



Existing Chain Suspended Luminaire with Fluted Monks Cap and Opal Glass Sphere
Proposal is for the suspended luminaire to be taken down, remove existing wiring and rewire, clean, and reassemble by MCC nominated lighting specialist

Location of existing fire alarm smoke detector – Proposal is to install new combined detectors for Smoke & Heat at the same location programmed to ensure building is always protected by LIVE fire alarm system

ROOM. YELLOW BEDROOM & DRESSING ROOM



Existing Six Lamp Chandelier with Candle Lamps Proposal is for the suspended luminaire to be taken down, remove existing wiring and rewire, clean, and reassembled and installed in another bedroom by MCC nominated lighting specialist – The existing Billiards Room chandelier will be relocated into the yellow bedroom following refurbishment

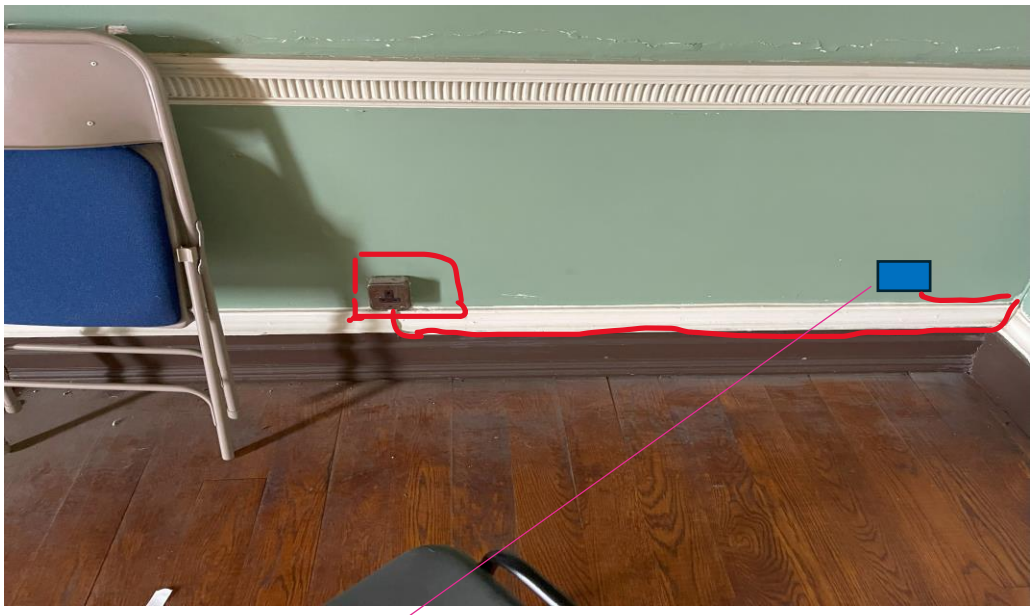
Location of existing Fire Alarm Smoke Detector – Proposal is to install new combined detectors for Smoke & Heat at the same location programmed to ensure building is always protected by LIVE fire alarm system

Landing Lobby outside Yellow Bedroom



Existing location of wall mounted socket outlet - Proposal is rewire with new MICC cable and install new brass socket outlet in existing location

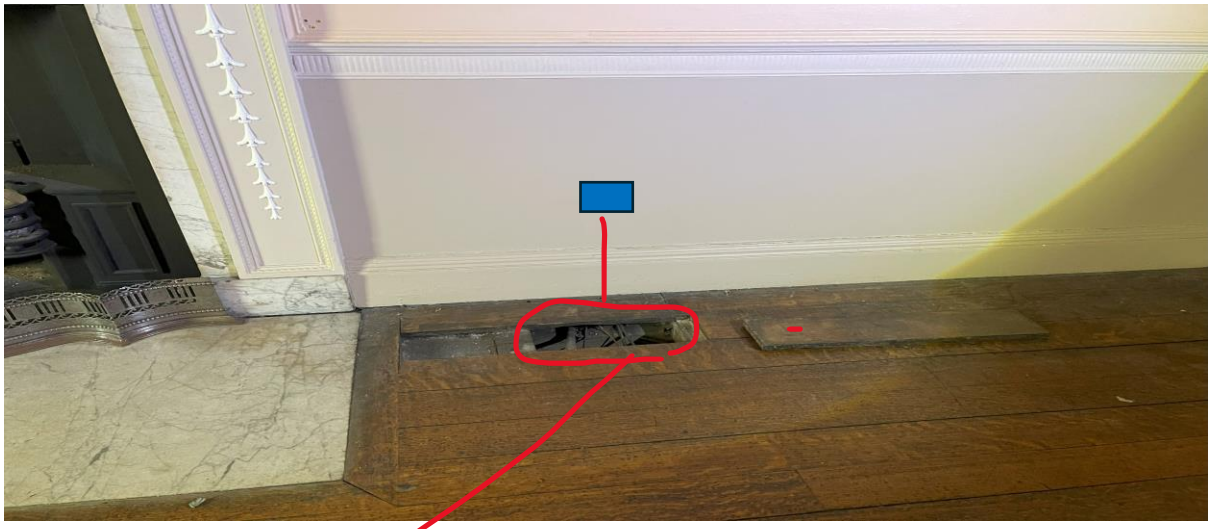
FF - ROOM PALM TREE BEDROOM



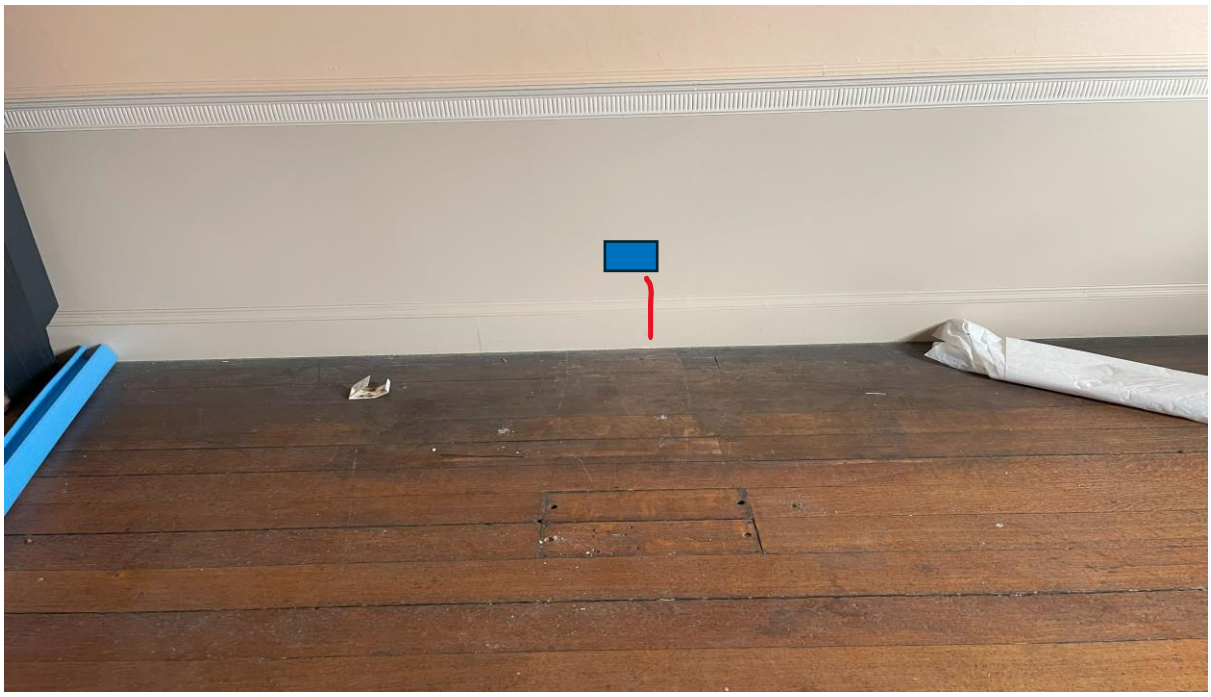
Existing location of floor mounted socket outlet (3No) - Proposal is rewire with new MICC cable and install new brass socket outlet nearer the internal wall to the bedroom dressing room (new location) A new socket is also included on the wall which has the electrical riser behind so a back-to-back will be suffice



FF - ROOM EAST BEDROOM



Existing Floorboard taken up



Existing location of wall mounted socket outlet - Proposal is rewire with new MICC cable and install new brass socket outlet on opposite sides of the room as new locations with the cable being installed under the floorboards

FF - ROOM PINK BEDROOM

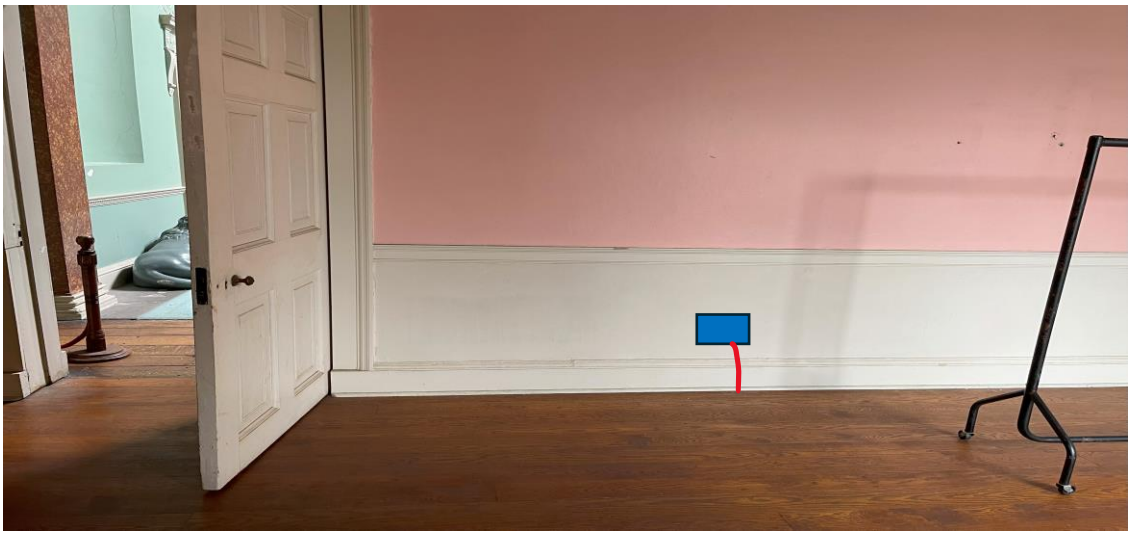


Existing intruder alarm to be replaced in the existing location with new model and new wiring will be installed using the roof void containment



Existing CCTV is to be replaced in the existing location with new cameral and new wiring will be installed using the roof void containment

FF - ROOM PINK BEDROOM



Existing location of wall mounted socket outlet - Proposal is rewire with new MICC cable and install new brass socket outlets on opposite sides of the room with the cable being installed under the floorboards



Existing location of wall mounted socket outlet - Proposal is rewire with new MICC cable and install new brass socket outlets on opposite sides of the room with the cable being installed under the floorboards

FF - ROOM ORANGE BEDROOM



Existing intruder alarm to be replaced in the existing location with new model and new wiring will be installed using the floor boards and side of door architrave



Existing CCTV is to be replaced in the existing location with new cameral and new wiring will be installed using the using the floor boards and side of door architrave

FF - ROOM ORANGE BEDROOM



Existing location of wall mounted socket outlet - Proposal is rewire with new MICC cable and install new brass socket outlet in existing location utilising the void under the floorboards

ROOM – F.F. GRAND STAIRCASE



MCC have requested Lighting Specialist to carry out the refurbishment of the existing staircase lighting (basically to be rewired internally and electrified) This process will be on site in a secured workshop room with opportunity for interested parties to view the process. Replace Existing Glass with Flambeau glass will be similar to image shown as this will be as orginal installed



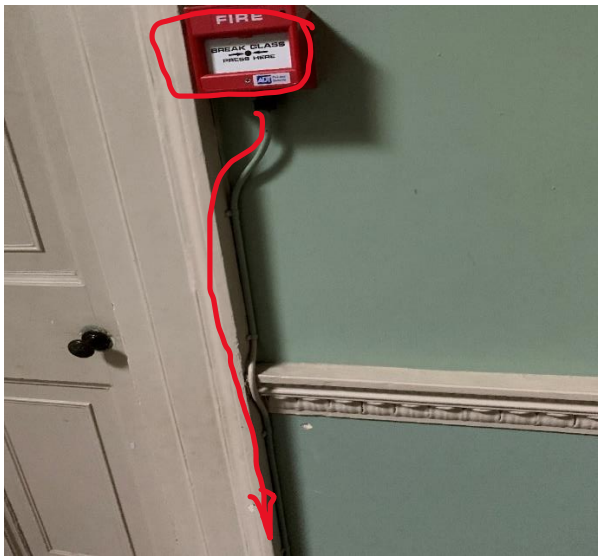


Existing MICC Cable – serves the staircase lighting and is installed between two of the existing pavers and grouted over, it is proposed to test the existing installation and if compliant reuse If not new MICC bare cable will be install new in the same locations and cable routes

ROOM – F.F. GRAND STAIRCASE



Existing location of CCTV & Intruder Alarm Detector and associated cable clipped to timber window architrave – Proposal is to locate new equipment in the corner of the room and install new cables vertically from the ceiling/floor to the top of the window using the existing window architrave to clip the cables –

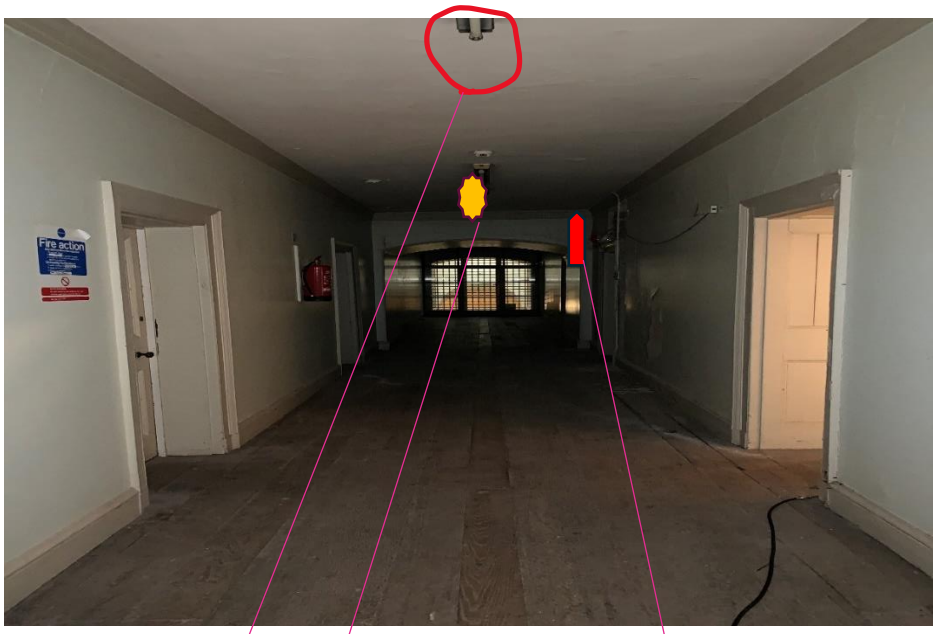




Location of existing Fire Alarm Call Point – Proposal is to remove existing call point and wiring and install new Wi-Fi call point which does not require any new associated wiring thus removing any impact on the hall building



ROOM – F.F. VACANT WING CORRIDOR



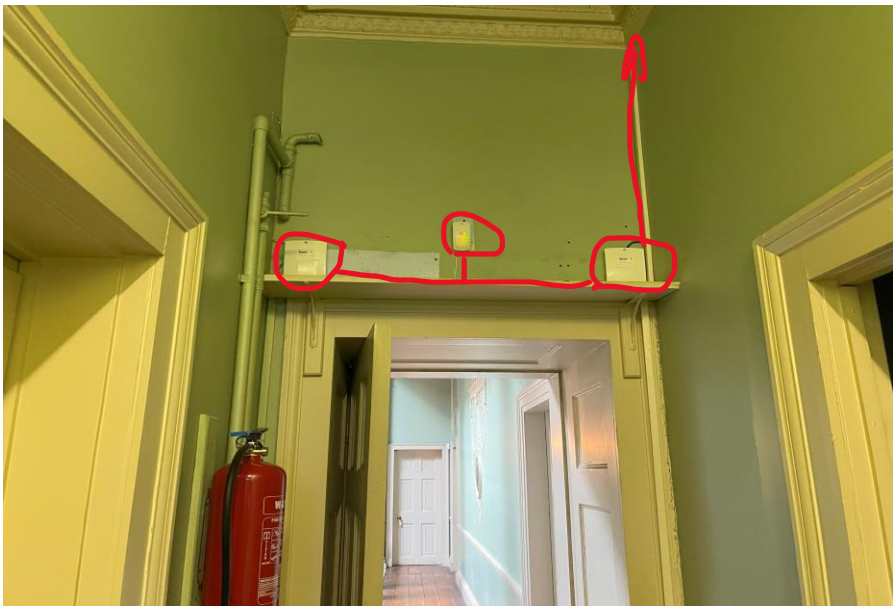
Existing lighting surface mounted linear luminaires (4No) will be replaced. The new proposal is to remove all the damaged blistered paintwork and replace the existing conical fittings with new LED type luminaires This area will have long throw PIR detection and surface mounted emergency lighting units All wired from the roof void on the first floor





Existing location of floor mounted socket outlet (3No) - Proposal is to rewire with new MICC cable and install new brass socket outlet in existing location using the floorboards that have already been removed previously.

ROOM – F.F. VACANT WING CORRIDOR



Existing location of Intruder Alarm Detector, control units and associated cable clipped – Proposal is to locate new equipment in a more secured location and install new cables vertically from the ceiling/floor

ROOMS – F.F. EAST WING VACANT ROOMS

EXAMPLES OF STANDARD APPROACH FOR LIGHTING



Note – This first floor wing currently has a number of areas that have water ingress issues and in poor condition – We will not carry out any of the works included in these areas if they still have no ceilings due to water ingress

Existing Linear 1500mm Fluorescent Fitting serving EF1, EF2, EF3, EF4, EF6, EF5 and Main Corridor EFC1. Proposal is for the removal of all the fluorescent linear luminaire to be removed including all existing wiring and rewire as new using FP200 white, MICC clipped direct or within galvanised conduit

The new lighting will generally be either suspended globe or surface mounted decorative luminaire The lighting will have integral sensors and emergency lighting

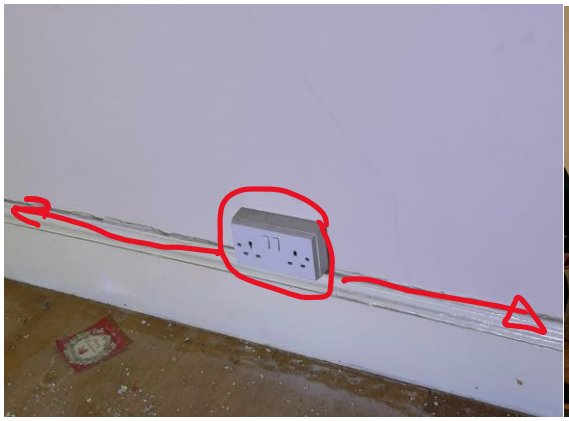
Location of existing fire alarm smoke detector – Proposal is to install new combined detectors for Smoke & Heat at the same location, programmed to ensure building is always protected by LIVE fire alarm system



Existing galvanised conduit and lighting switch to be removed in each room or if possible reused

ROOMS – F.F. EAST WING VACANT ROOMS

EXAMPLES OF STANDARD APPROACH FOR GENERAL POWER





Existing location of wall mounted socket outlet (3No) IN Room EF6 - Proposal is remove all wiring, mini trunking & white plastic type sockets and rewire with new MICC cable and install new brass socket outlet in existing location, **only one socket per room**

Existing location of floor mounted socket outlet (3No) in Room EF3- Proposal is remove all wiring, mini trunking & white plastic type sockets and rewire with new MICC cable and install new brass socket outlet in existing location, **only one socket per room**

The new proposal due to the condition of the rooms will now not to install the electric panel heaters until the area is protected against water damage



Location of water damaged room with no ceiling which provides access hatch to roof void
The area has existing fire alarm smoke detector damaged light fitting and intruder alarm
Proposal is to install new combined detectors for Smoke & Heat at the same location but currently no lighting for the room but will include both lighting and fire detection within the loft area

ROOMS – F.F. TOILETS



Note – This area is not accessible currently as it leads to the fire damaged west wing The proposal includes for new fire and security detection, power to hand dryers and new lighting in the form of LED bulkheads with integral emergency lighting

ROOF PHOTOGRAPHIC DETAILS

The Heaton Hall roof will have a number of electrical system and infrastructure to be installed particular the protection and security of the roof near the orangery where the client has indicated that this is a weak point for intruders to gain access to the main hall roof and cause damage to the roof and leadwork integrity, thus, causing a number of issues such as water damaged to the key decorative rooms in the hall

There are also access requirements that the principal contractor will require and have to manage to complete the internal rewiring of the hall

The project currently does not include for new installation of the lightning protection however the project will include for the principal contractor to arrange for a full inspection & test and inspection of the existing system which may require improvement and repair works.

The document provides photographic evidence of the current layout of the roof and the specification states that a inspection and temp mock-up of the new equipment to be installed to be carried out to allow viewing and final approval from the park area of the hall by the heritage team who will have final approval and their location and coverage.

The photos are enclosed on the next page

Heaton Hall | Electrical Rewire Key Heritage Rooms Photographic Review – New Installation Planning Application Support













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