

Sinks and wash hand basin to be fitted with 75mm deep traps. Pipe clips or brackets, sized to securely hold the pipe, screw fixed to walls, suitable to hold pipework clear of walls to permit cleaning, spaced at regular intervals not exceeding 1000mm, pipe clips or brackets to be fixed to each side at bends, connections or pipe joints.

All above ground drainage to be in pvc pipe work, SVP and WC to have min dia 100mm, connections and fittings to BS4551; pipe work to have min diameter 38mm to BS5255, installed to BS5572, sized as required to quickly drain completely without back fall, leakage or blockage.

Plumbing installation should be on the surface with adequate access points for future maintenance



Provide a suitable waste pipe & trap for the waste water created from the AC cassette

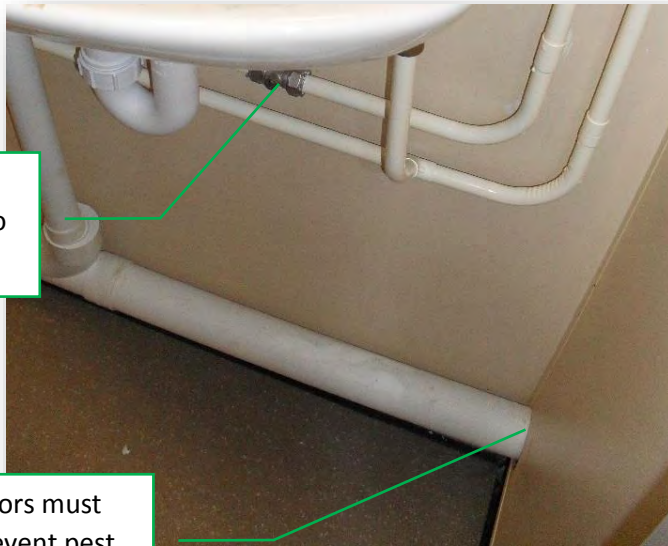


Internal pipework to be copper and earth bonded at point of mains entry and to include a drain off cock (D.O.C.)

The main incoming water supply should be fitted with a non-return valve

The position of the internal mains stop cock and meter are to be clearly marked and identified for use by shop staff. If in coming water supply concealed behind wall boards, supply and fit 300x300mm panel for access.

Fill holes to ensure that they are all rodent proof



Internal pipework to be copper and to include full bore isolation valve to all sinks and equipment

All holes through walls/floors must be sealed or capped to prevent pest access

Typical Sink Installation



Typical installation showing Bucket Sink/Utensil Sink and Dishwasher

All plastic waste pipes and connections should be accessible for future maintenance work, all water feeds should be copper pipes and not plastic.

Back Bar Plumbing



Ensure the water feed pipe on the uc water heater (where fitted) is shortened to reduce the risk on cold water building up in the pipes

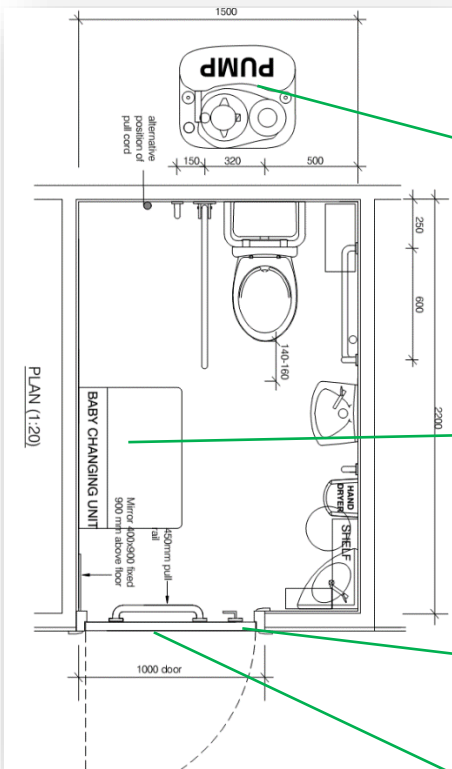
Coffee filters should be accessible, upright and not laid across the waste pump

Coffee filters should be place behind the undercounter fridges where possible to allow for ease of access and free up space in the cupboards

Typical Customer Toilet Installation



Supply and fit new disabled sanitary ware, to locations shown on drawings, white vitreous glazed raised height WC pan, spacer box with access panel, low level cistern with spatulate lever operation and flush bend components, white single flap seat, white vitreous hand rinse basin with single tap hole, lever spray operated mixer tap, 1¼" waste with bottle trap and 32 chrome basin waste, together with 6 piece 35mm gap rail set comprising of hinged support rail, WC back rest rail and pad, 4 grab rails (white) and semi recessed toilet roll holder, all available as Armitage Shanks S6984 left or right hand Doc M WC pack. Include for a Fluidmaster dual flush valve cistern kit.



Where shown on drawings fit free issue electrically operated pumps to discharge waste materials into the foul mains drainage.

Where marked on drawings install and fit a free issue, fold away Magrini commercial baby change unit to manufacturer's recommendations.

Finger protectors should be fitted to customer toilet doors

Vision panels are not to be fitted on toilet doors

PUMP	CODE	USED FOR	REQUIRES A CUPBOARD?
Drainmaster 30 Coffee Machine Pump	101GR	<ul style="list-style-type: none"> Coffee Wash hand basin Customer toilet wash hand basin 	No
Efflu Maxi 80 Customer Toilet Pump	P9324GR	<ul style="list-style-type: none"> Customer toilet Customer toilet wash hand basin 	Yes
Drainmajor 60 Cleaners Sinks Pump	GRCS 60	<ul style="list-style-type: none"> Mop sink 	No
Drainmajor 60 Dishwasher + Sinks	GRDW 60	<ul style="list-style-type: none"> Utensil sink Dishwasher Utensil sink 	No
Flushmaster - Staff Toilet	FM/GR	<ul style="list-style-type: none"> Staff toilet Staff toilet wash hand basin 	No

Drainmaster 30 - Coffee machine pump



Flushmaster – Staff toilet pump



Drainmajor 60 Cleaners sinks and dishwasher pump



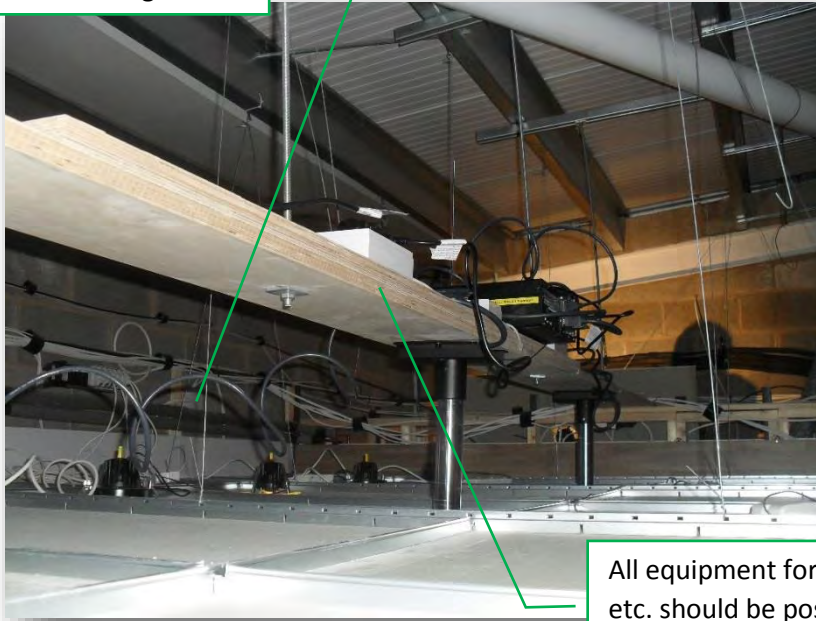
Efflu Maxi 80 single – Customer toilet pump



All holes in walls floors and ceilings should be filled in line with agreed pest proofing specifications

Electrical Installation

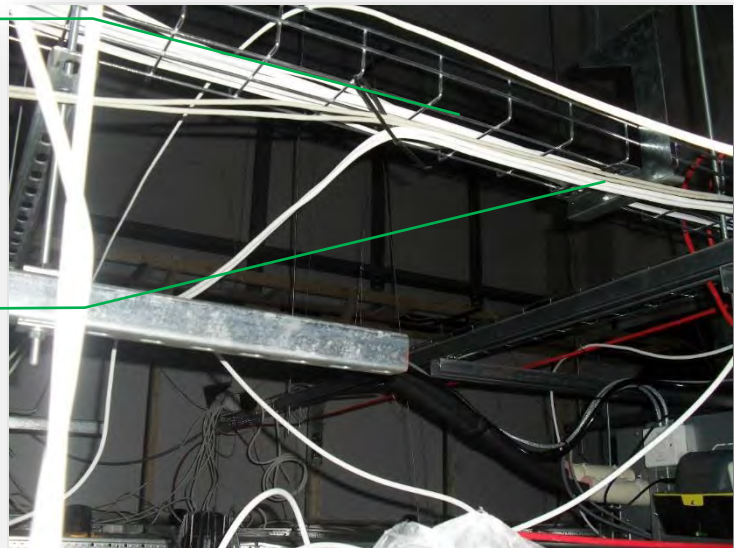
All wiring above the ceiling should run neatly between metal clips fixed to the perimeter or run on a suitable cable tray to ensure the ceiling is clear of any surplus or trailing wires.



All equipment for I Facility/Beyond Digital etc. should be positioned and secured on a shelf above the ceiling

Wiring is to be run on a suitable cable/basket tray.

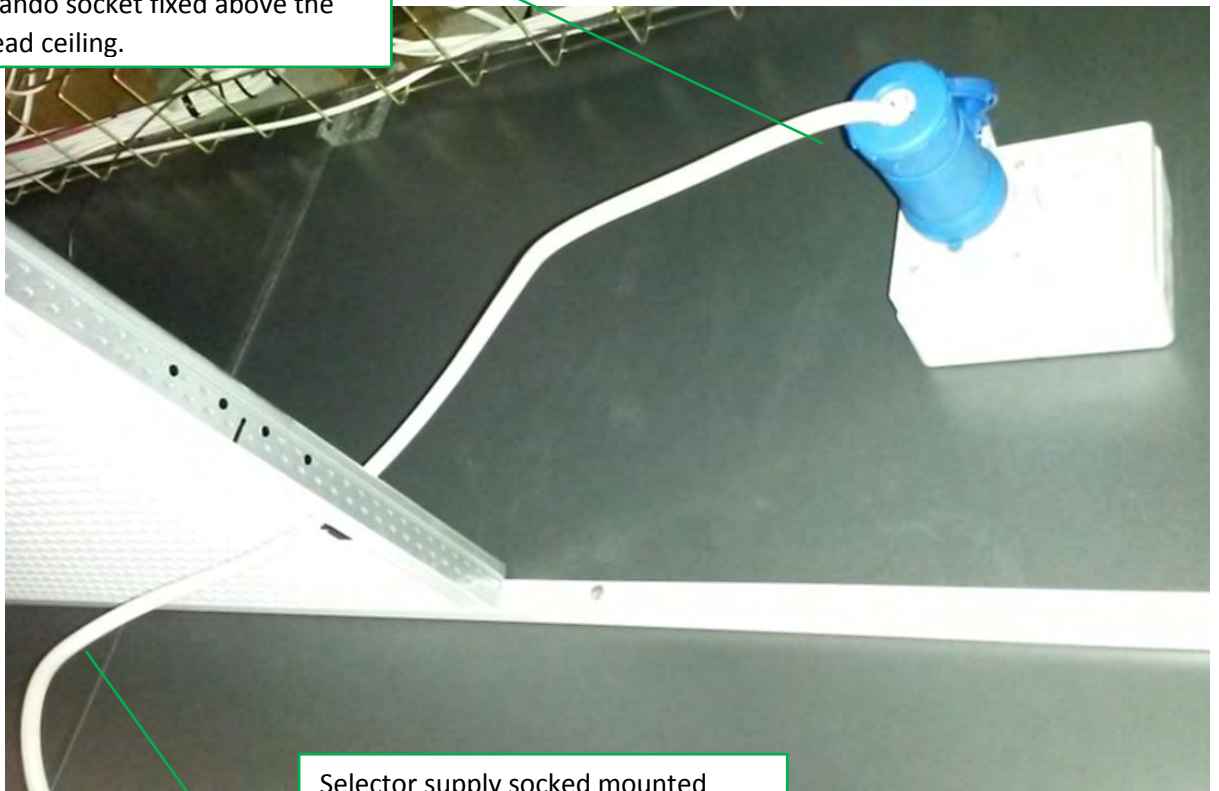
All cabling should be supported or fixed on Cable Tray/Basket or contained within Trunking and should not be laid across a suspended ceiling.





Nuttalls Units (Hot Hold)
400mm requires a 13 amp std socket
600mm requires a 13 amp std socket
1020mm unit requires a 16 amp 3 phase commando socket above suspended ceiling

2m self-selector to have a 32 amp commando socket fixed above the bulkhead ceiling.



Selector supply socket mounted above ceiling with trailing socket below ceiling for isolation



Pictures showing the ideal first fix electrical wiring, all neatly fixed and clipped to the perimeter of the unit. Project Managers to check on site during the site inspections to ensure this first fix work is completed to a high standard by the electrical contractor.

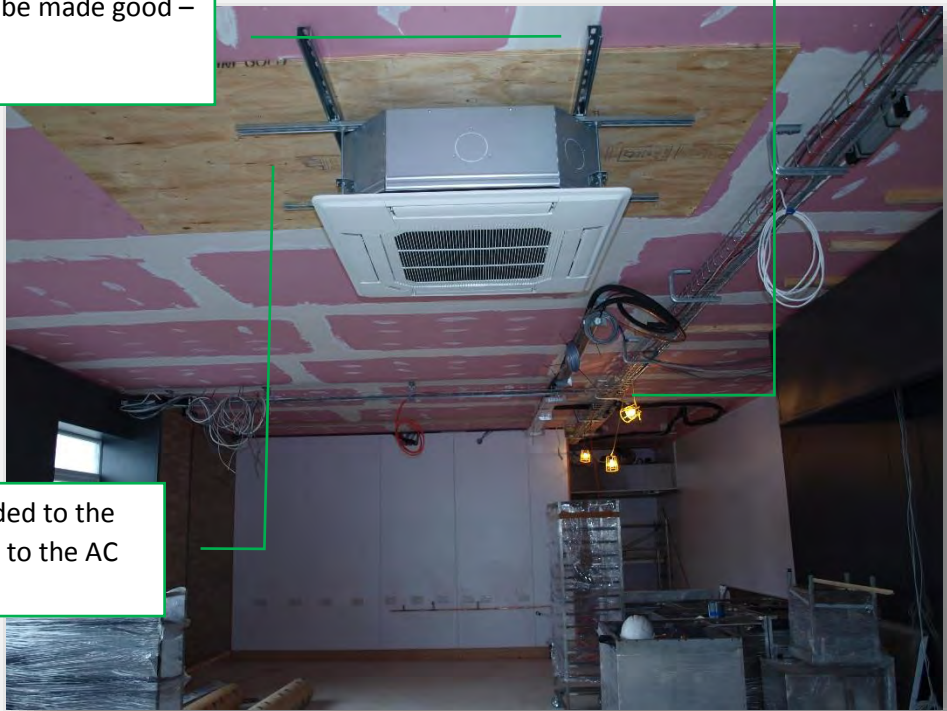
A Non-combustible cable support system should be used on perimeter walls





Pictures showing the ideal first fix electrical wiring, all neatly fixed and clipped to the ceiling of the unit. Project Managers to check on site during the site inspections to ensure this first fix work is completed to a high standard by the electrical contractor.

Plasterboard ceilings should be made good – pest proofed

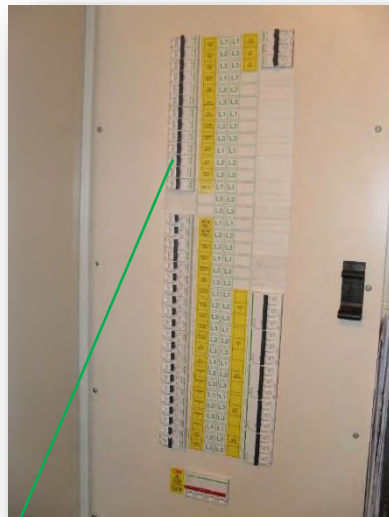


A sheet of plywood has been added to the ceiling to give additional support to the AC unit.

All holes in walls floors and ceilings should be filled in line with agreed pest proofing specifications

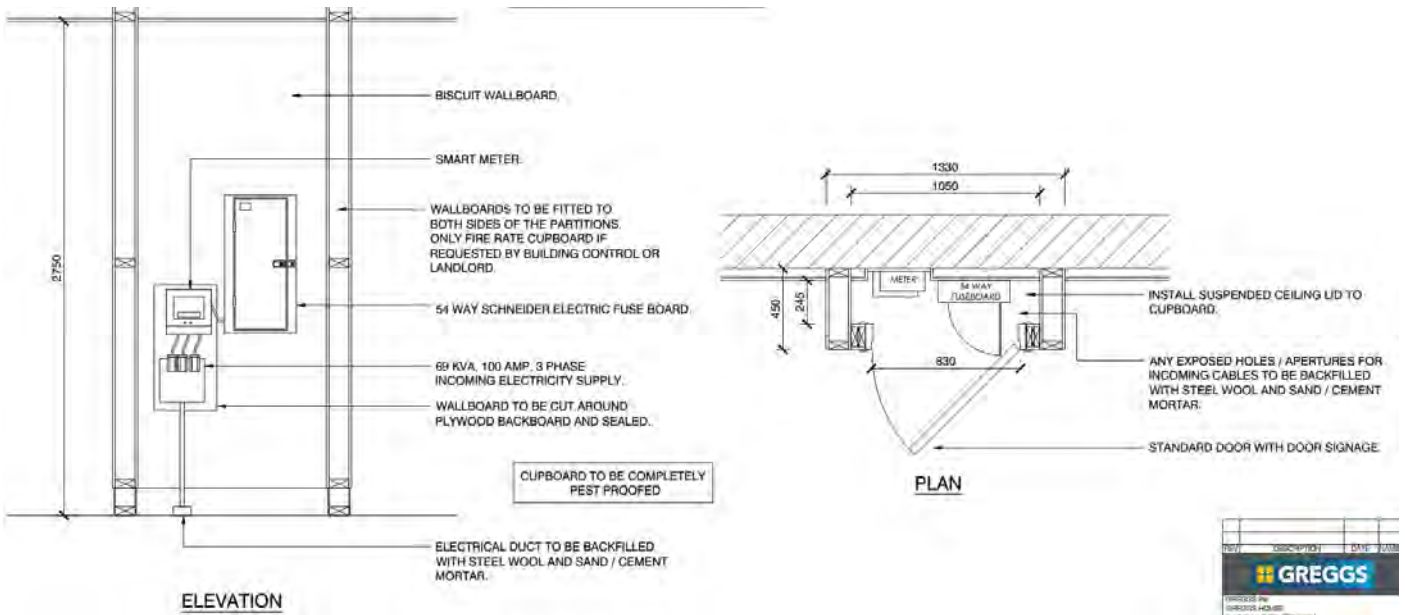


Electric intake room/cupboard sealed on all elevations to prevent pest entry

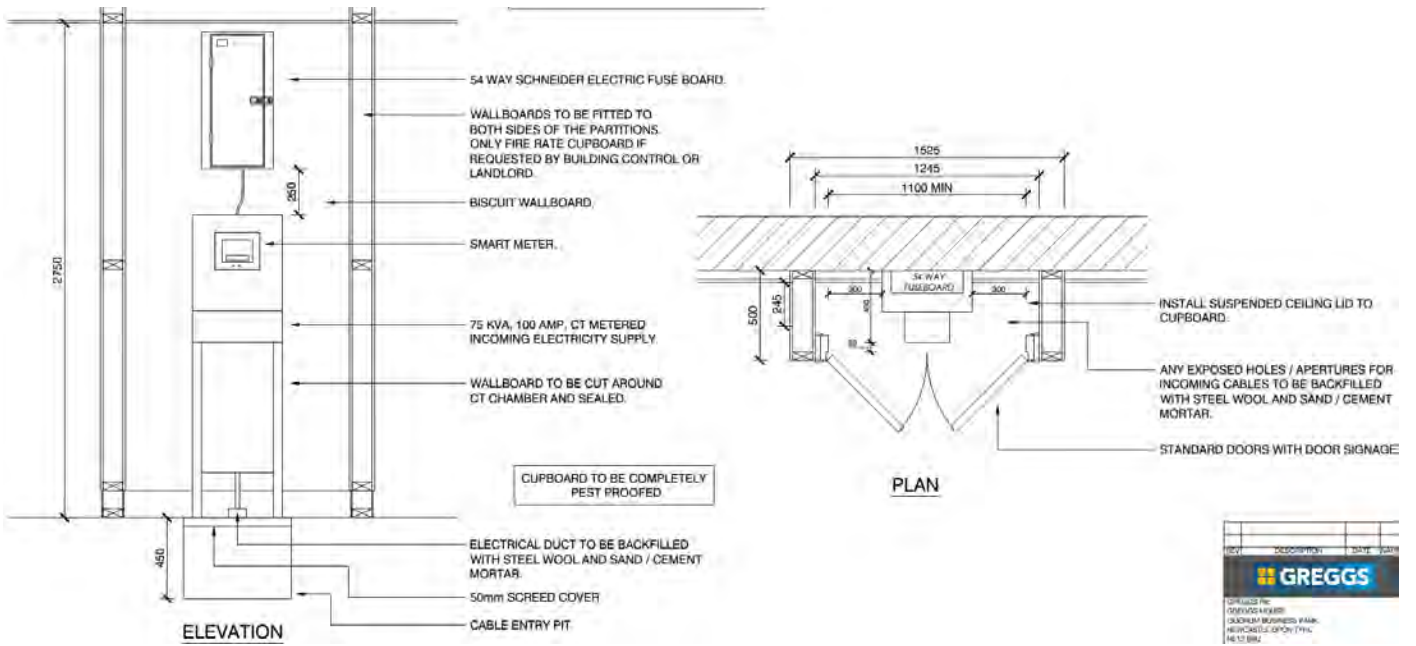


Wherever practical a 72 Way distribution board with 10% spare ways fully marked up

Standard Electrics Cupboard

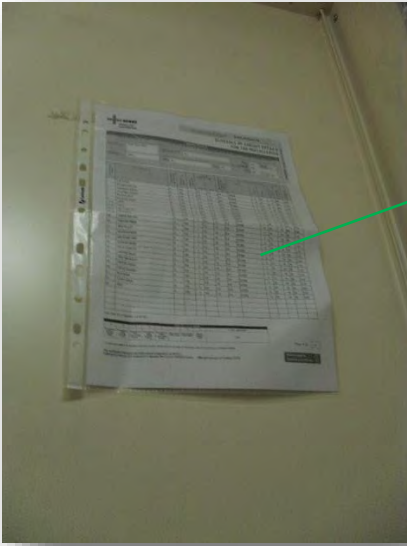


Standard CT Electrics Cupboard



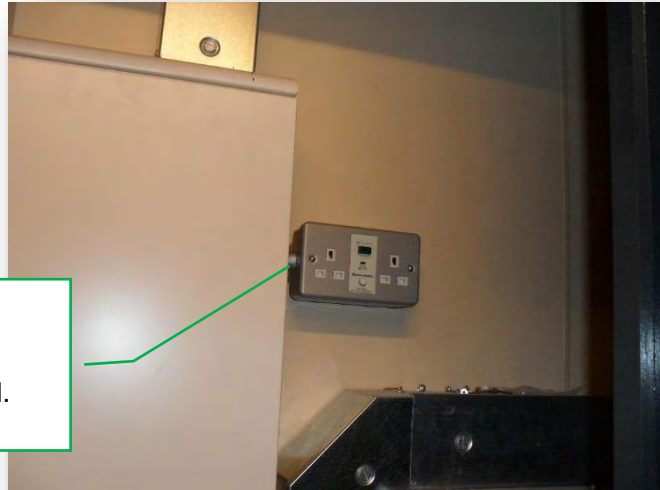
Electric Cupboards should be built to standard specifications in line with drawings above

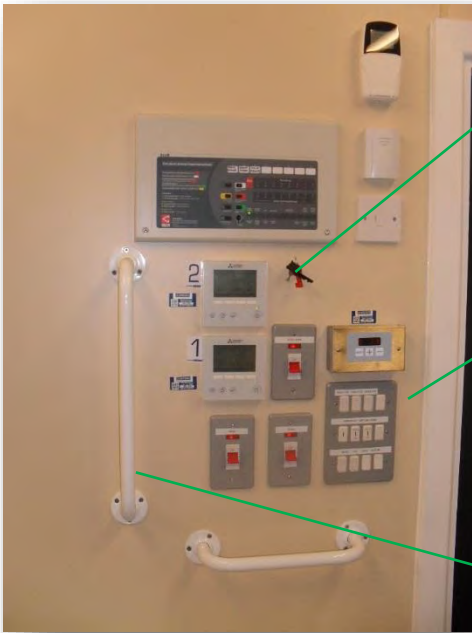
All holes in walls floors and ceilings should be filled in line with agreed pest proofing specifications



Electrical circuit schedule should be located in the distribution board on the back of the door on the day of handover

A 2 gang RCBO protected metalclad Maintenance socket to be fixed where possible in the mains electrical cupboard.



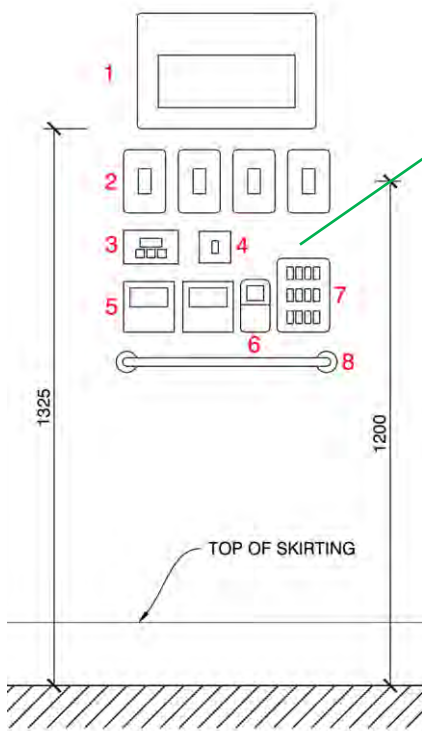


Hook fitted for fire alarm keys to be kept on

Typical configuration of the electrical switch arrangement, with protection rails fitted to ensure cages cannot damage any switches. In this scenario space was limited and this necessitated a slight reconfiguration to std

Bump rail protection should be fitted to protect the switch bank from delivery cages and therefore need to be on the side where the delivery passes

Standard Main switch Bank



Standard configuration of the electrical switch arrangement, with protection rails fitted to ensure cages cannot damage any switches.

SWITCH / CONTROL LEGEND

- 1. Fire Alarm Panel
- 2. Oven Isolator Switches
- 3. Over Door Air Curtain Control
- 4. Main Extract System
- 5. Air Conditioning Switches
- 6. iFacility CCTV
- 7. Main Switch Bank
- 8. Protection Rail



Protection cover to be supplied and fitted to all break glass units by the electrical contractor.

Fire Extinguishers



Extinguisher usage notices should be placed above fire extinguishers

Shop to have 1no. A13 foam plus 1no. CO2 extinguisher, centrally located plus 1no A13 foam located to rear exit/back of shop

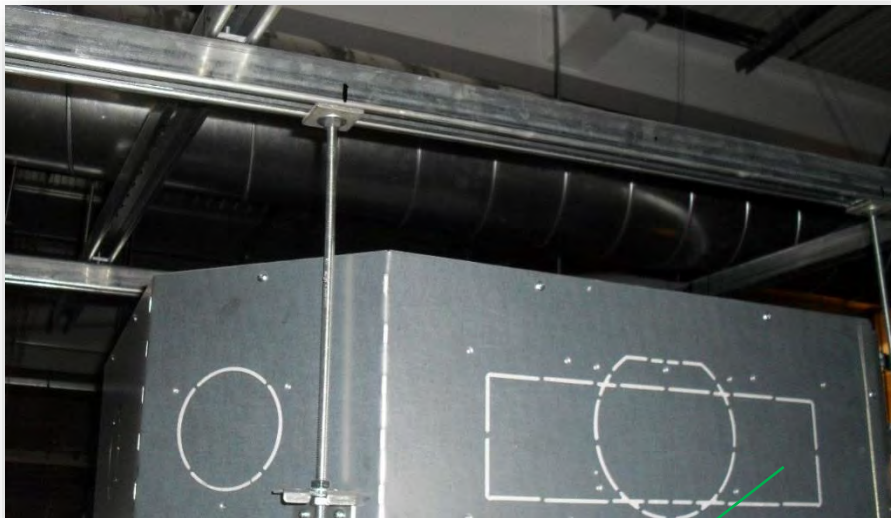
Other floors (occupied only) to have 2no A13 foam extinguishers at access and exit points

Air Conditioning

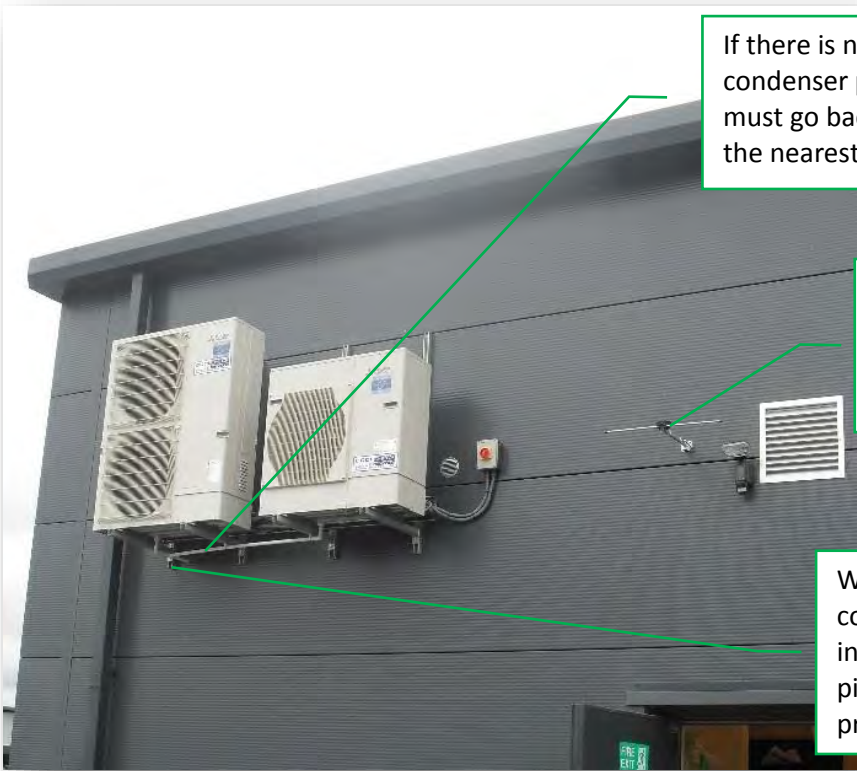
If a collar is required due to restricted height above the suspended ceiling then this should be pre-fabricated PVC and not made from Geeves boards

A/C evaporator units adequately supported using recognised method of installation

Ceiling mounted A/C unit to be adequately supported by rods and U channels securely fixed to structure/ structural ceiling. Gas pipes to be insulated ensure condense pipes/pumps are in place.



Pipework to be in copper, refrigeration quality to BS2871-2, pipework to be insulated with 12mm armaflex to BS476, pipework to be supported at 1500mm centres, internal suspended pipework to be supported off 8mm threaded rod (at 1000mm centres) and BBJ clips or equivalent otherwise support on medium gauge return flange cable tray, where surface fixed hydrozorbe clips or BBJ QPC to be used, external pipework to be supported on cable tray as above or hydrozorbe pipe clips, inter connecting cable to be SY steel armoured or equivalent, securely clipped at 500mm centres, condensate drainage to be in 20mm dia white pvc BS EN 1455, solvent weld, fixed at 500mm centres, indoor cassette unit to be supported with 40x21mm medium gauge channel supported off 8mm threaded rod, outdoor condensing units to be supported off the floor by 40x40mm heavy duty unistrut (or equivalent) and 600x600 bracket supports, powder coated cages to enclose condensing units and switches to be provided where units are accessible to the general public (as appropriate)



If there is no external drainage for the condenser pipework to finish, the pipe must go back internally to the unit into the nearest suitable drain.

Ensure radio aerial to be fitted externally, security light to be fitted in all shops unless rear door backs onto public access.

Where pipework passes through compartment walls seal hole with intumescent mastic. Ensure exit hole for pipework is securely sealed with rodent proof sealant.

Condensers should be located in line with drawings as these are in line with planning consent

Where possible always run the external waste pipe from the AC condensing units into a suitable external drainage point

Drainage cannot flow onto a pavement or road as this is a hazard in freezing conditions

All holes in the building fabric should be filled in line with agreed pest proofing specifications



Location of condensing units must be agreed with specialist partner if not located externally to the unit

Sprinkler Systems



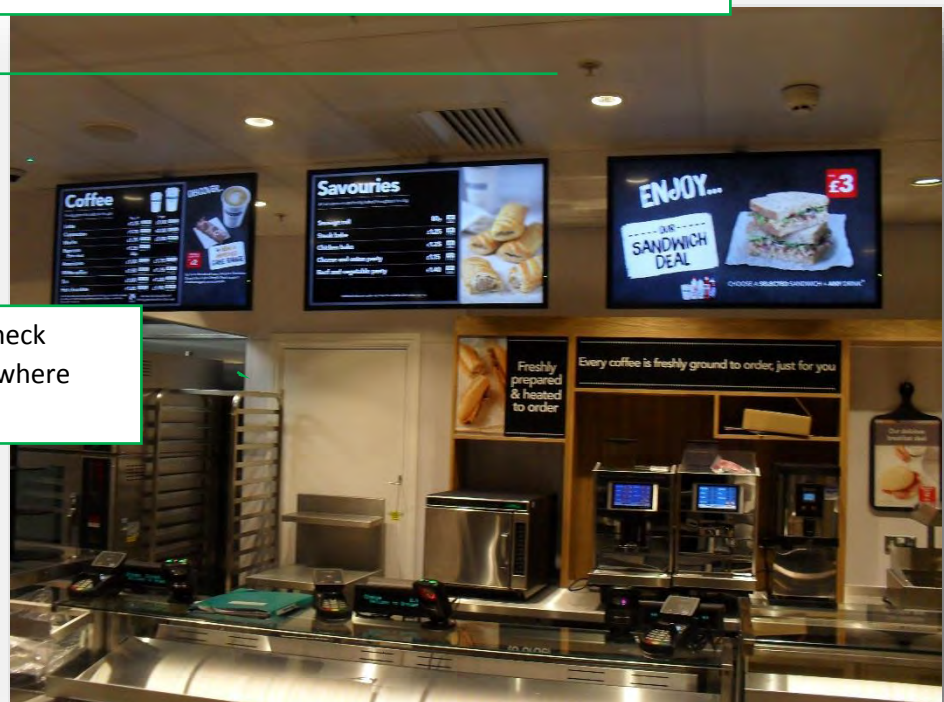
The sprinkler system is to comply, designed and installed, to BS EN 128445 and all its amendments. The system is to be fitted with alarms, visual and audible, triggered when there is a flow of water.

The system is to be fed off the existing shopping/landlords system and to be designed to fully integrate with that system. The sprinkler systems pipework is to be correctly sized, easily accessible, with a corrosion resistant coating. Sprinkler heads, to hang below the ceiling tiles and installed to the manufacturers recommendations to suit the water coverage, sited away from obstructions and the correct distance from walls. The system is to have a control valve, a test valve together with drainage a valve(s).

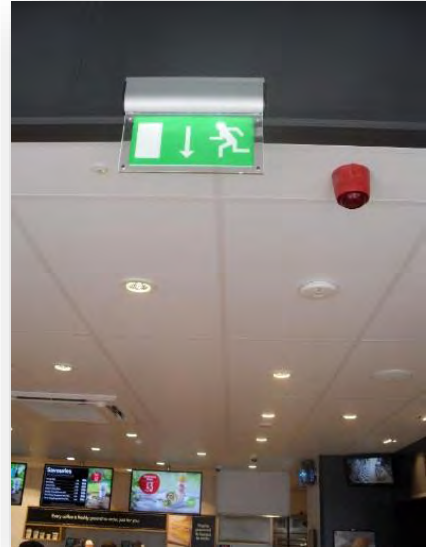
The sprinkler system is to be installed by Greggs nominated subcontractor, unless stated otherwise.

Upon completion the system is to be tested and a completion certificate is to be provided together with a copy of the scheme drawings and attached in the principal contractors health and safety file.

Sprinkler system to have zone check assembly fitted with key switch where necessary.



Emergency Lighting & Automatic Fire Detection

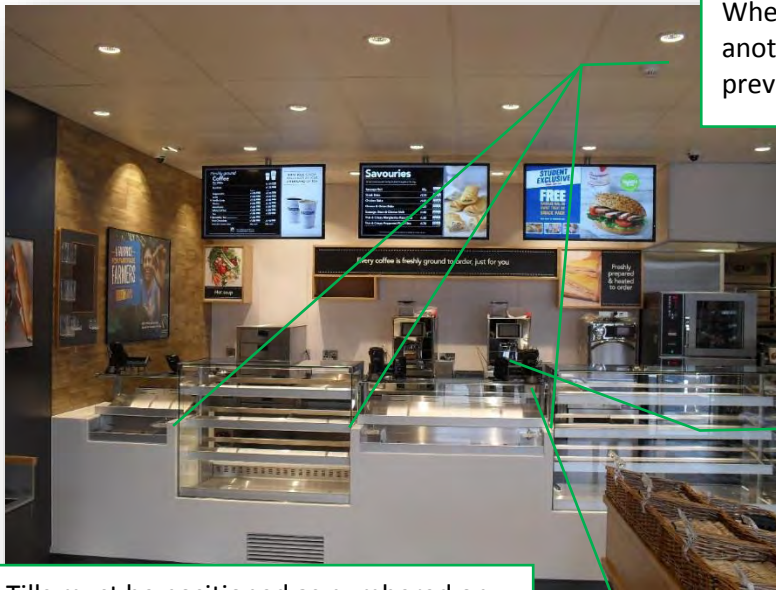


The emergency lighting system is to be installed to BS5266-1:2005. The automatic fire detection system is to conform to BS5839-1: 2005. The locations for call points, heat and smoke detectors, sounders and emergency lights will be marked upon the drawings. Smoke and heat detectors, sounders and emergency lights are to be ceiling mounted. Flashing emergency ceiling mounted lights are to be installed in the customer WCs, a sounder and flashing emergency light alarm is to be ceiling mounted in the fully assessable WC. The fire control panel is to be recessed and wall mounted at the central control point. The call points are to be fitted with lift up Perspex covers, call points to be placed by rear exits and on the side wall adjacent to the counter gate. The emergency lights are to be free issue. All cabling to be fixed as per the electrical wiring installation.

Upon completion of the emergency lighting installation the Contractor is to supply an Emergency Lighting Construction Declaration Certificate and an Emergency Lighting Verification Certificate. Upon completion of the automatic fire detection system the Contractor is to supply a Fire Detection and Alarm System Installation Certificate and attach to the Health and Safety File.

The shop staff are to be instructed with regard to the operation of the automatic fire alarm systems and emergency lighting systems together with their routine testing and monitoring of the installation.

Counters & EPOS Equipment



Where counters/till units butt up to one another they should have a rubber seal to prevent crumbs falling between them

Toshiba are responsible for installing all chip and pin units.

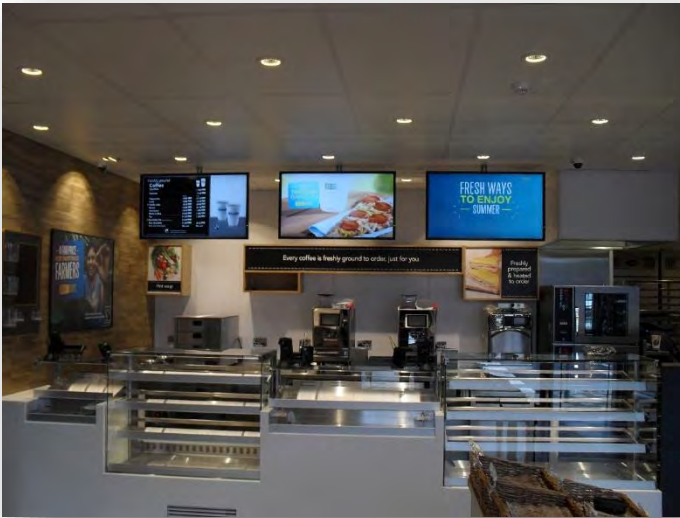
Tills must be positioned as numbered on the drawings (No 1 being the furthest till to the left when you are behind the counter looking towards the customer)



The shop counters, refrigerated, savoury and till pods are to be manufactured by specialist. The Principal Contractor is to allow for installing counters, counter power supplies, scanners and Epos system. Include for all Cat 5 cabling, connections and junctions between hub unit and computers

All holes in walls and floors under and at the ends of the counter runs (in particular where wires come through the wall boards) should be filled in line with agreed pest proofing specifications

Graphics



The Principal Contractor is to install to locations shown on drawings, all graphics and display units or boards, wall floor and or window mounted wall complete with photos, pictures and graphics unless otherwise agreed. All to be securely fixed to all surfaces.



Clocks have batteries and are set to correct time

Decorations

For details on decoration refer to the GSSS