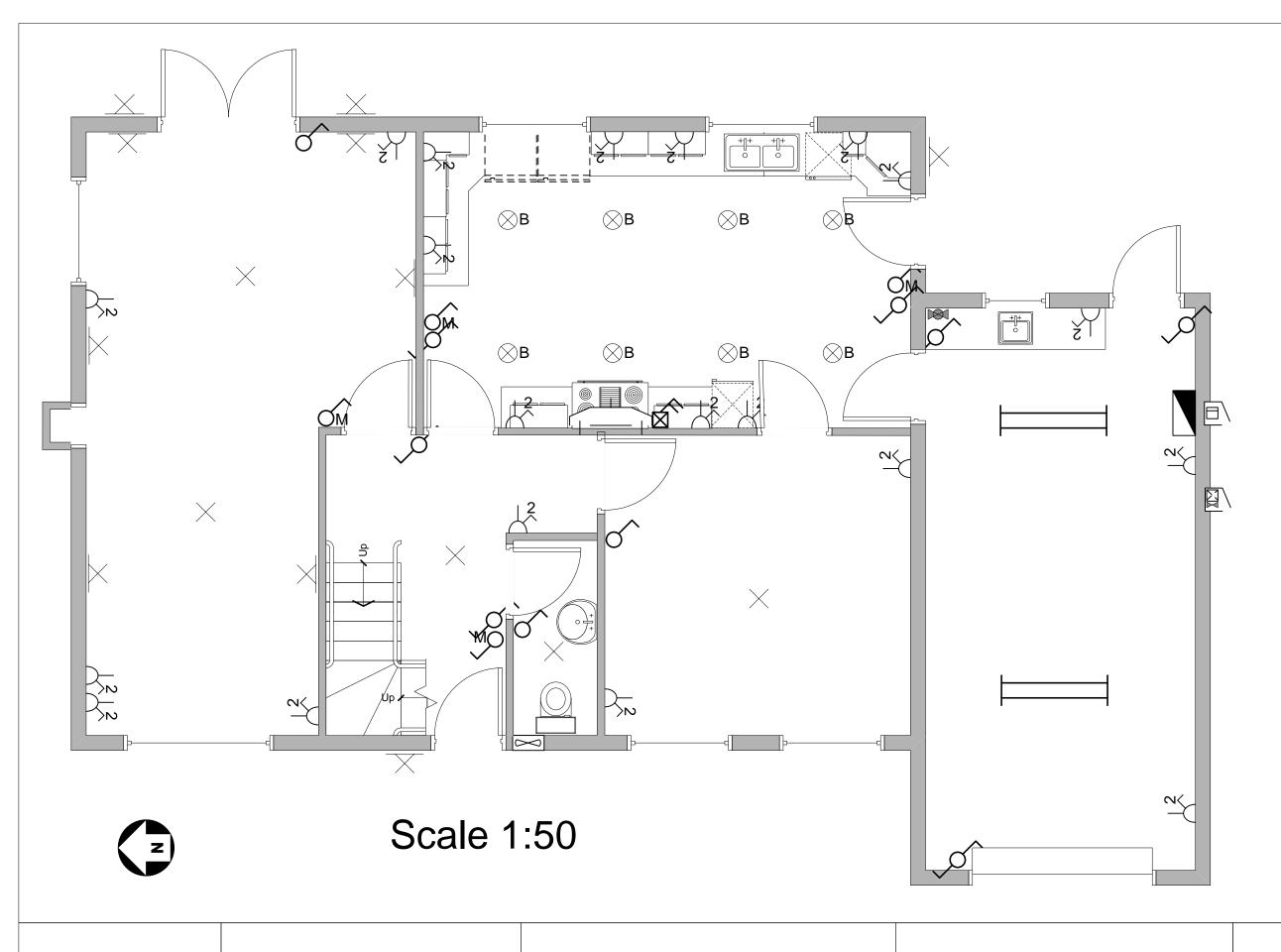
Table showing which drawing applies to which 2357 unit

Version A

Maintenance

	Units where used	Drawing Number	
Version A Installation	2357 Version A302, 303, 304, 307	2357-A-01/ 02/03	
	2357 version A 301, 302, 307	2357-B-01/ 02/03/04	
	2357 Version A 304, 305, 307	2357-C-01/ 02/03/04	
	2357 Maintenance 308	2357-AM-01/ 02/03	
	2357 Maintenance 322	2357-BM-01/ 02/03/04	
	2357 Maintenance 308, 321, 322, 323	2357-CM-01/ 02/03/04	
Version B Installation	2357 Version B 302, 303, 304, 307	2357-A2-01/ 02/03	
	2357 version B 301, 302, 307	2357-B2-01/ 02/03/04	
	2357 Version B 304, 305, 307	2357-C2-01/ 02/03	



Notes

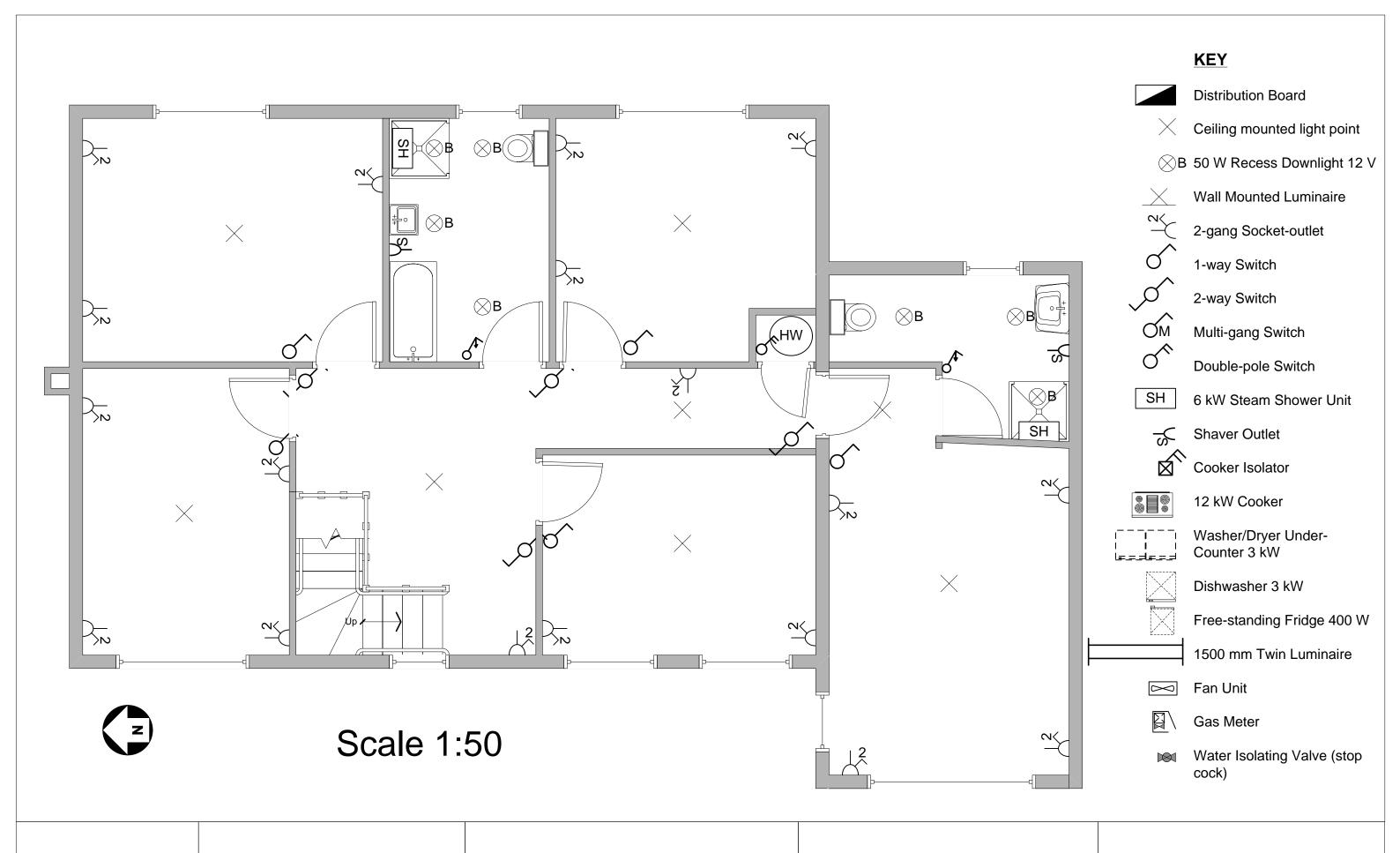
These drawings show a forty year old domestic property which is to undergo major refurbishment which includes a total rewire of the premises (new wiring, accessories and appliances) and the installation of a new workshop in the garden. The installation forms part of a 230 V single-phase TN-C-S supply with a declared Z_e of 0.19 Ω and PFC of 1.2

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2357 Assignment House Refurbishment

Ground Floor Plan

Drawing Number 2357-A-01





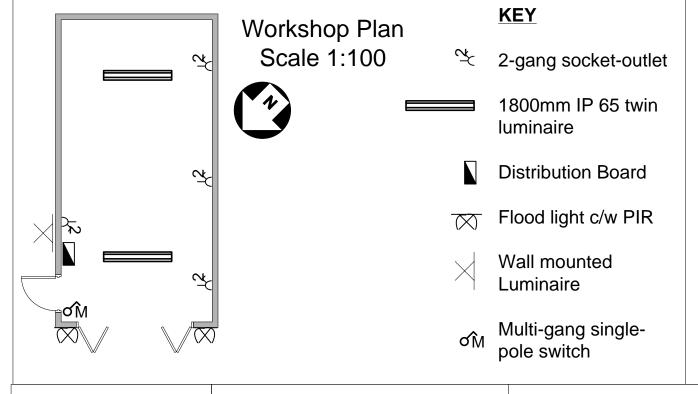
House Refurbishment

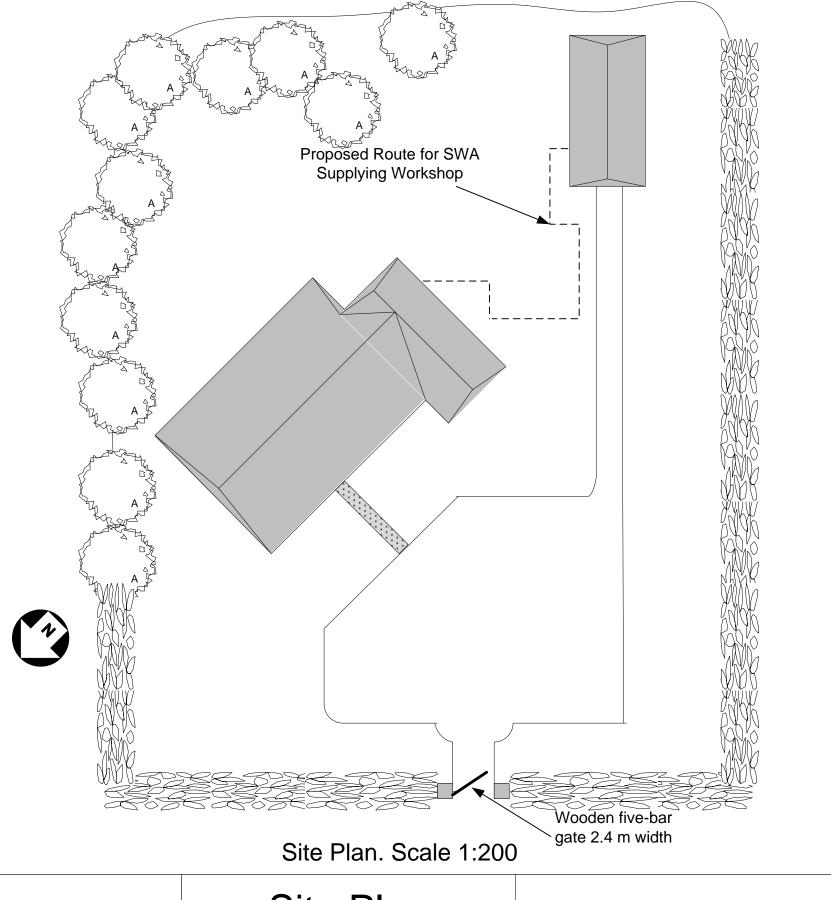
First Floor Plan

Drawing Number 2357-A-02



West Elevation Scale 1:100

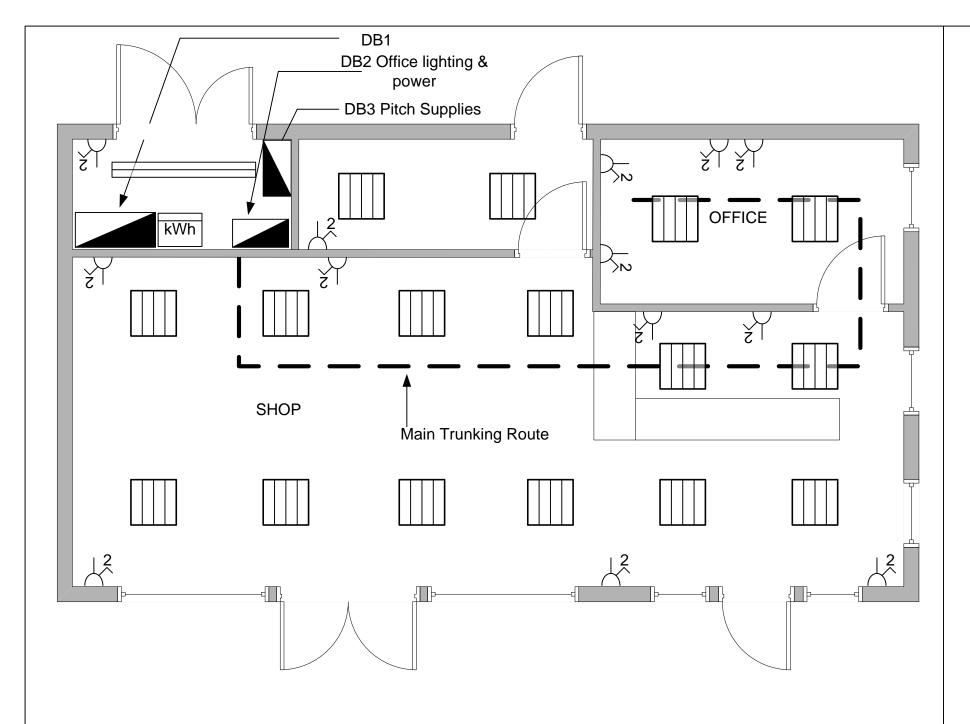






2357 Assignment House Refurbishment Site Plan
Elevations and
Workshop Plan

Drawing Number 2357-A-03



Scale 1:50

Notes and Specification

Building utilisation

The attached drawings show the proposed refurbishment of the shop/offices and shower block at the Touring Caravan Park.

Building construction

The construction of the two single-storey building are as follows:

Walls

External walls consist of fair-faced brickwork, a cavity and an inner leaf of concrete blockwork. Internal walls consist of concrete block-work with structural supports where required. All walls have a plaster finish throughout.

Floors

The floor is to be a standard raft of reinforced concrete with a 100mm screed finish..

Floor finishes

Floor finishes are as follows

Carpet - Shop floor and office areas

Non-slip vinyl covering Throughout public shower and toilet areas

Compressed treated screed- Service intake and store rooms.

Ceilings

Ceilings are as follows:

- All ceilings in the shop/office block are to be suspended 600 mm x 600 mm grid with removable tiles 2400 mm above ffl in all areas, with the exception of the service intake.
- All ceilings in the shower/toilet block are to be plasterboard with moisture proof paint
 with access panels where required in all areas, 2400 mm above ffl, with the exception
 of the service intake room.

Roof

The roof will be tile hung on wood truss.

Electrical supply

The incoming supply is 400 / 230 V 50 Hz three-phase four-wire, which together with the installation forms part of a TN-C-S system. The declared value of $Z_{\rm e}$ is 0.08 Ω and the prospective fault current is 5 kA. Consumer's control unit (CCU) together with metering equipment are housed in the service intake room located in the shop/office block. The supply to the shower/toilet block will be wired using XLPE multi-core steel-wire-armoured cable.

Electrical installation

This is to be carried out in accordance with BS 7671 and any statutory/non statutory regulations that may apply. All materials and practices employed are to comply with the relevant standards. All wiring systems are to be surface mounted PVC conduit on walls with a metal trunking in the ceiling void. Accessories will be surface mounted.

All wiring to the pitch supplies located around the park and to the park lighting will be using XLPE multi-core steel-wire-armoured cable.

Telephones, security/fire alarm and information technology systemsTo be installed by specialist installers.

Heating and ventilation

To be installed by specialist contractors.

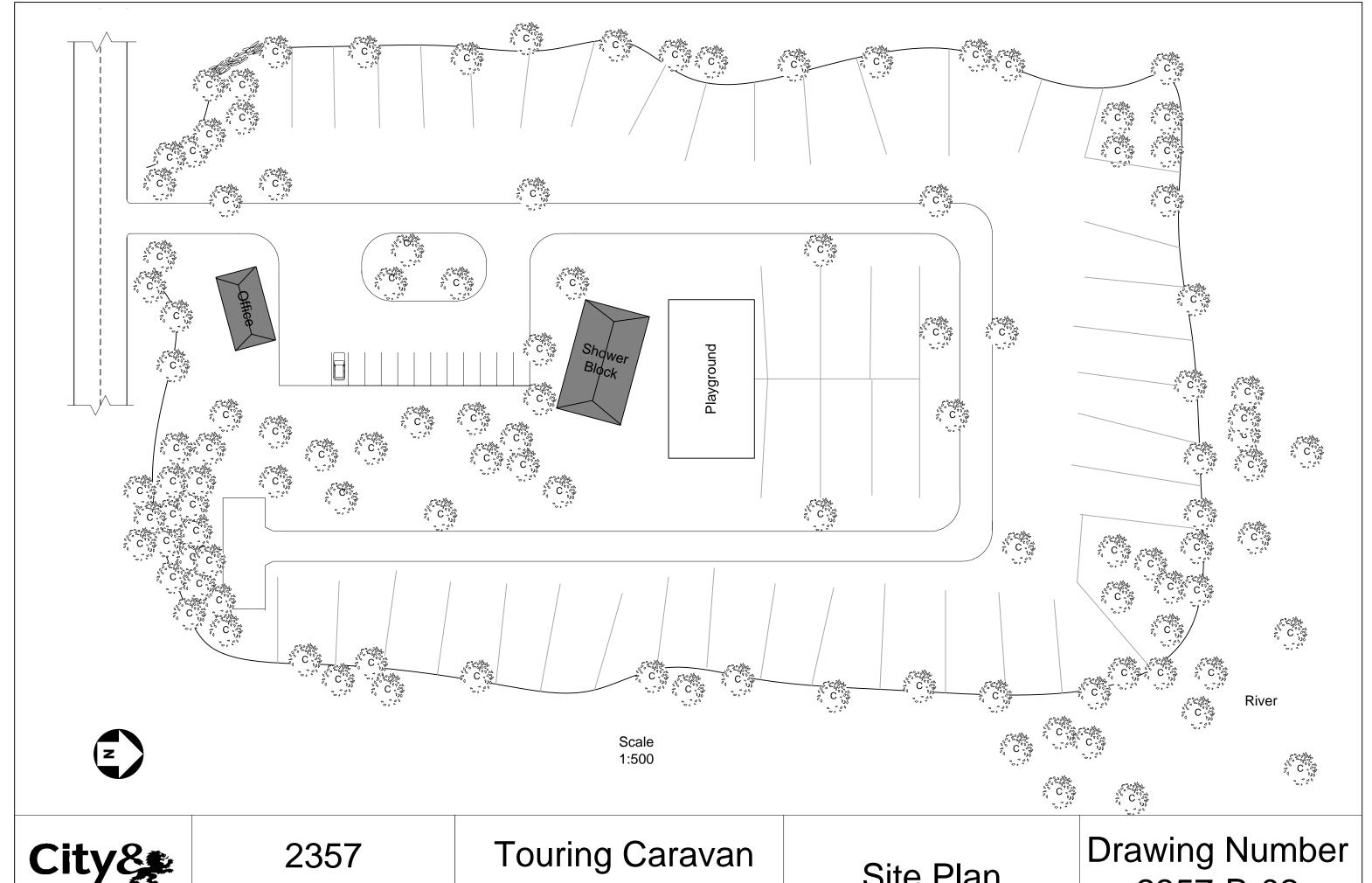
Temporary site supplies

Installation and maintenance is part of the general electrical contract.



2357 Assignment Touring Caravan
Park

Shop/Office Building Plan Drawing Number 2357-B-01



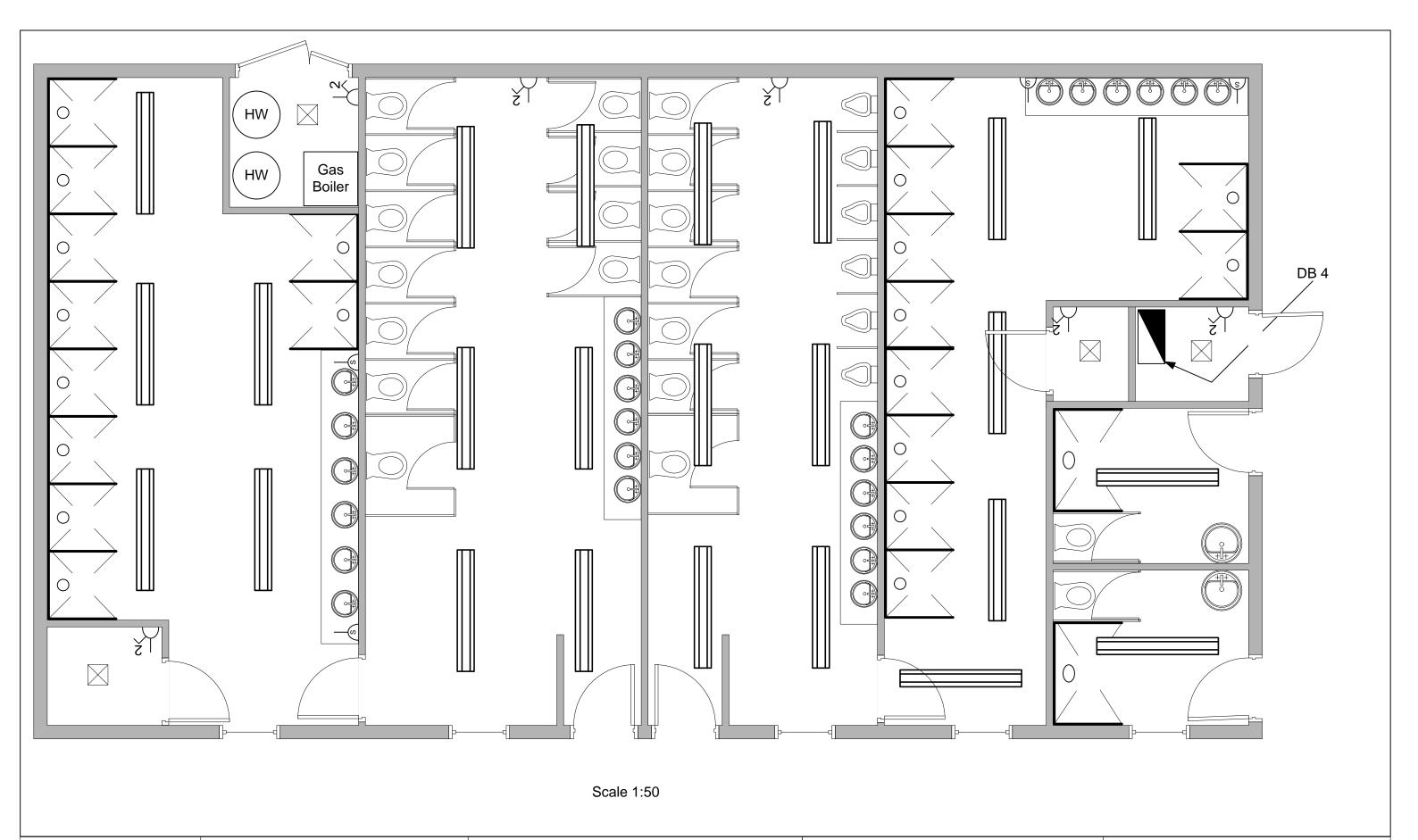
City& Guilds

Assignment

Park

Site Plan

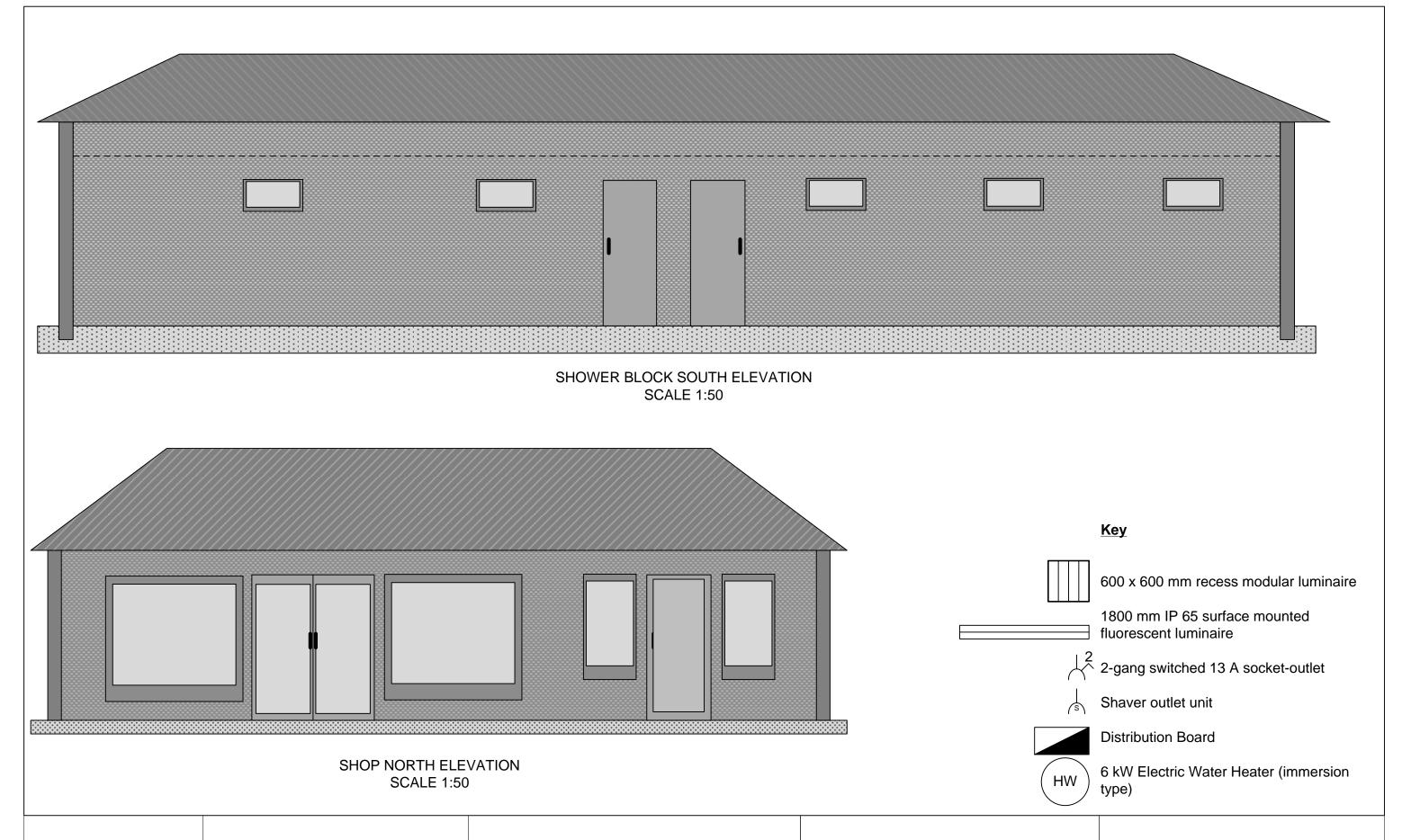
2357-B-02





Proposed Caravan Park Shower Block Building Plan

Drawing Number 2357-B-03

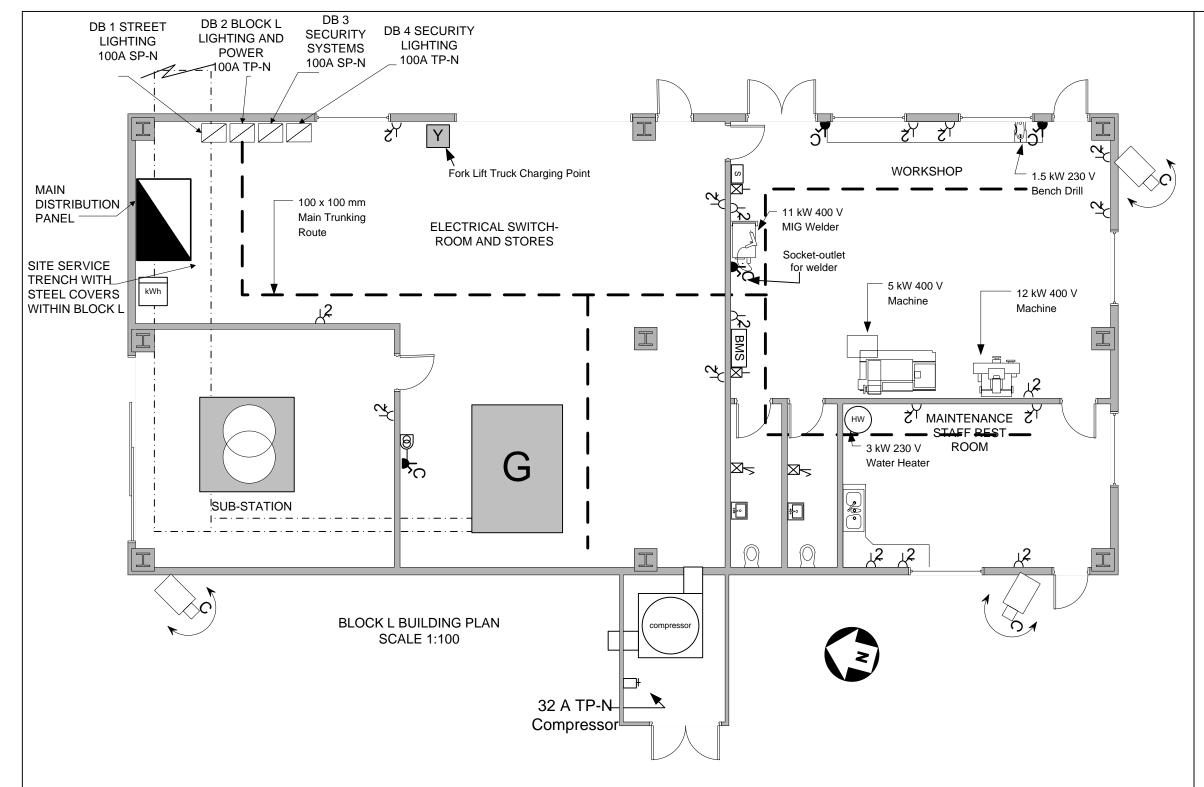




Proposed Caravan Park

Elevations

Drawing Number 2357-B-04



Notes/Specification

Building Construction

The construction of this building is as follows:

Walls

External walls consist of standard brick, cavity and inner leaf blockwork. Internal walls are blockwork to roof height, with exception of the toilet/restroom area where blockwork extends to 2.5 m above ffl.

Floors

The floor is to a standard raft of reinforced concrete with a 100 mm compressed screed finish. Floor finishes are to be epoxy treated throughout.

Ceilings

The underside of the steel clad roof is to be used throughout with the exception of the toilet/ restroom area which will have a plasterboard ceiling, 2.4 m above ffl, 200 mm void and chipboard fixed on wood truss which will form a mezzanine storage facility.

Roof

The roof will be steel clad sheeting supported by a steel frame. Steel uprights will be enclosed by fire proof boarding

Electrical Supply

The 11 kV/400/230 V Transformer supply to the Main Distribution Panel will form a TN-C-S supply having a declared Ze of 0.008 Ω and Prospective Fault Current declared as 50 kA. Standby (essential) systems will be supplied by the standby generator should the supply system fail.

Electrical Installation

All wiring systems are to be a mixture of PVC and metallic containment systems. Main metallic trunking routes are shown. Surface conduit will link trunking to final points. All machines will require correct starting/control equipment. Accessories must be suitable for the given environment.

Telephone/Security/Security Systems

Containment systems to be installed as part of the general electrical installation contract, wiring and connections to be carried out by specialist contractors.

Fire Alarm

To be installed as part of the general electrical installation contract

HVAC

To be installed by specialist contractors

Temporary Site Supplies

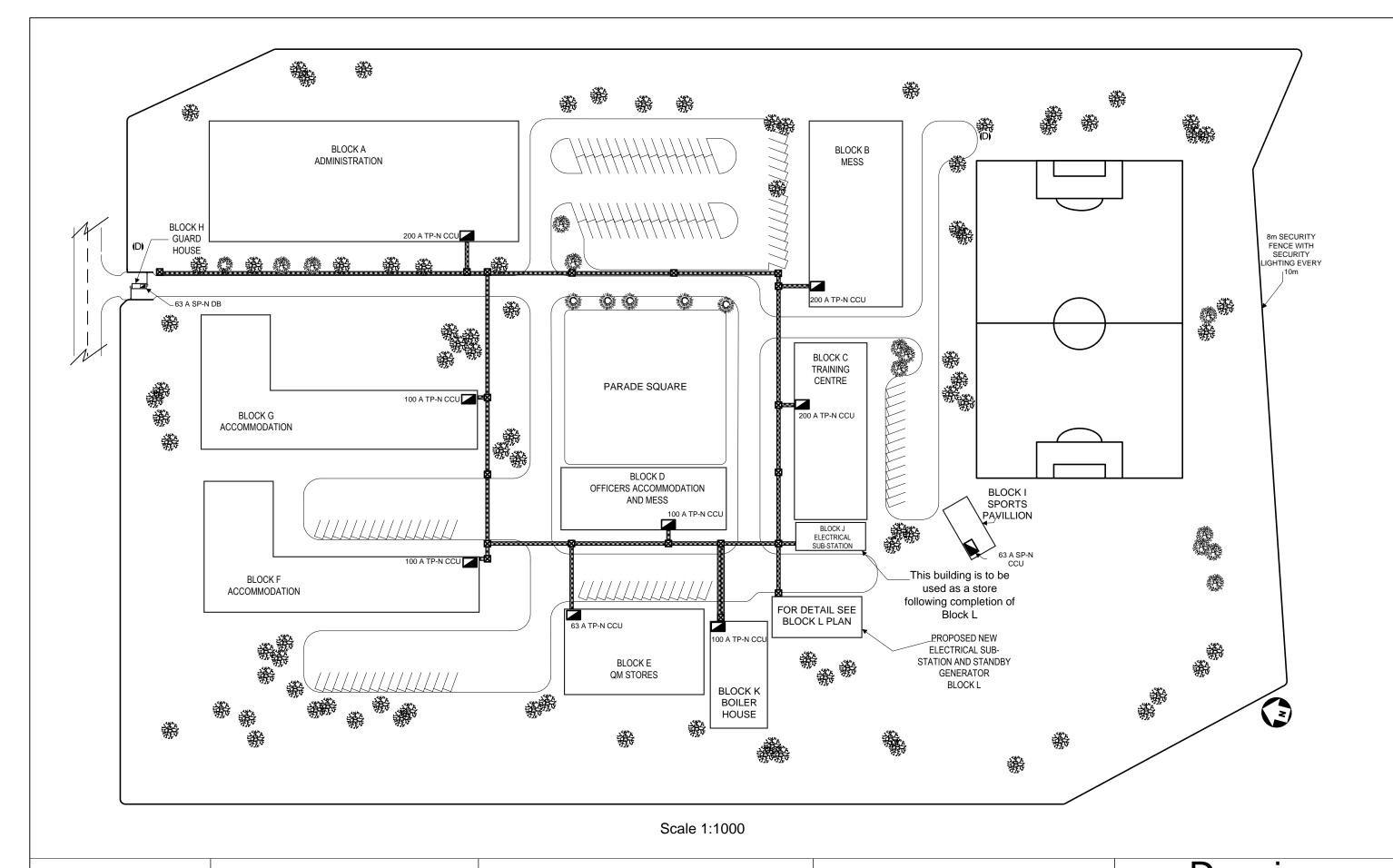
Installation and maintenance is part of the general electrical installation contract.



2357 Assignment Army Barracks
New Sub-Station

Floor Plan Block L Electrical Power Layout

Drawing Number 2357-C-01

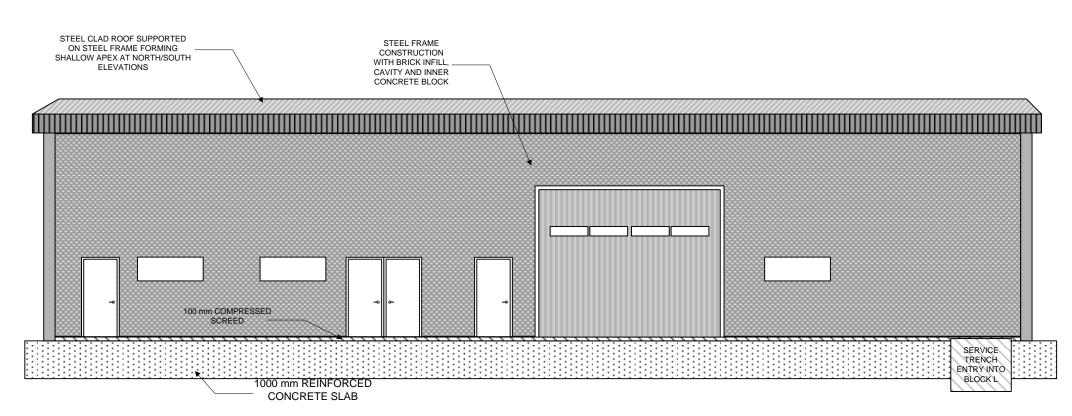




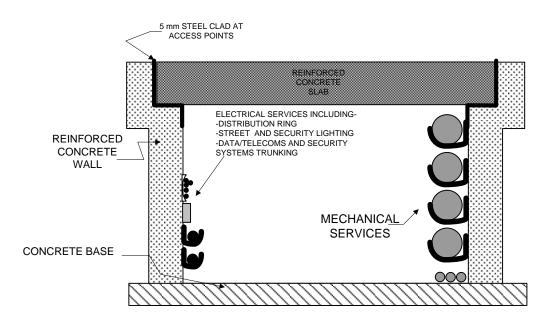
Army Barracks
New Sub-Station

Site Plan

Drawing Number 2357-C-02



EAST ELEVATION SCALE 1:100



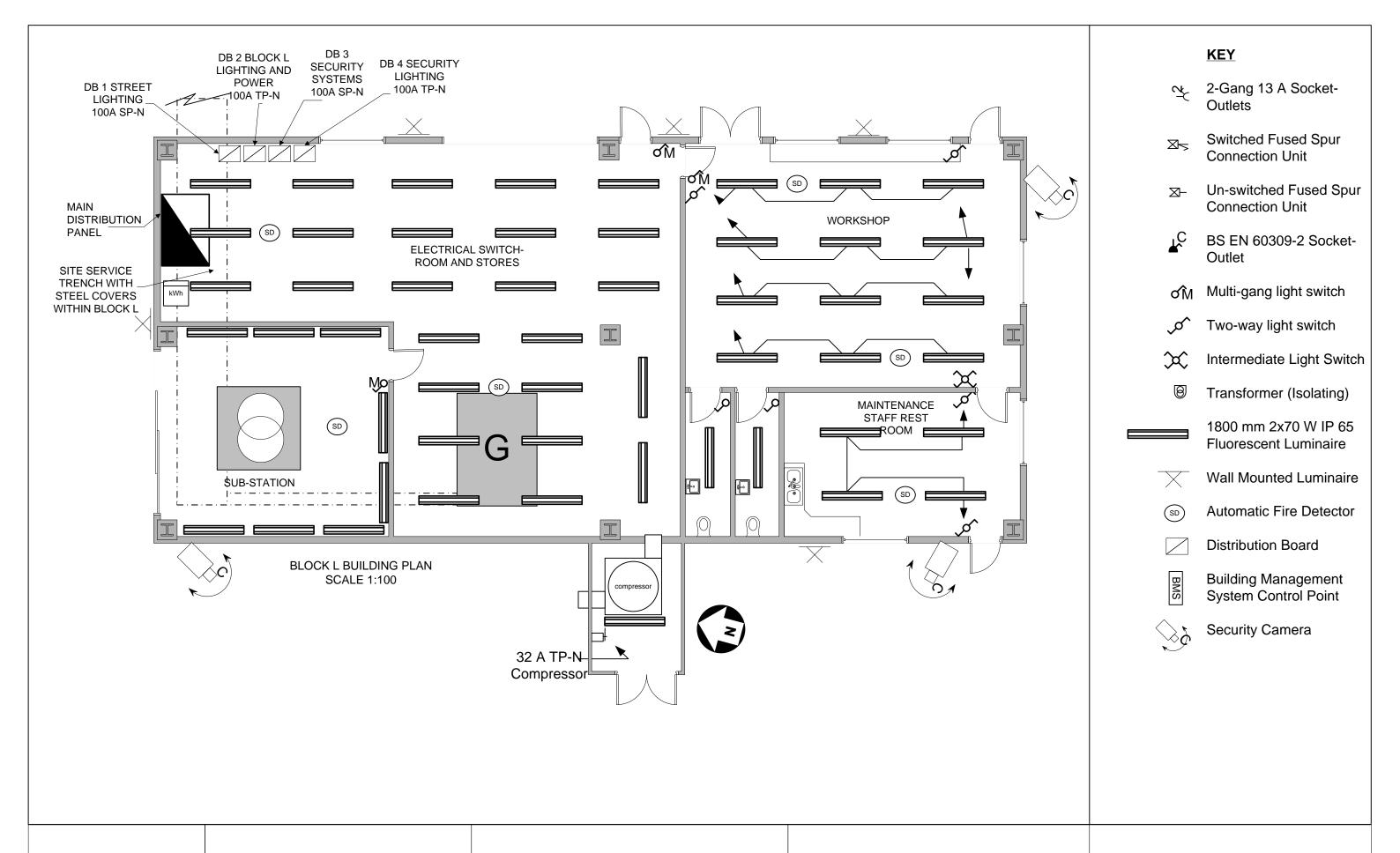
TYPICAL CROSS SECTION OF SERVICE TRENCH SCALE 1:10



2357 Assignment Army Barracks New Sub-Station

Elevations

Drawing Number 2357-C-03

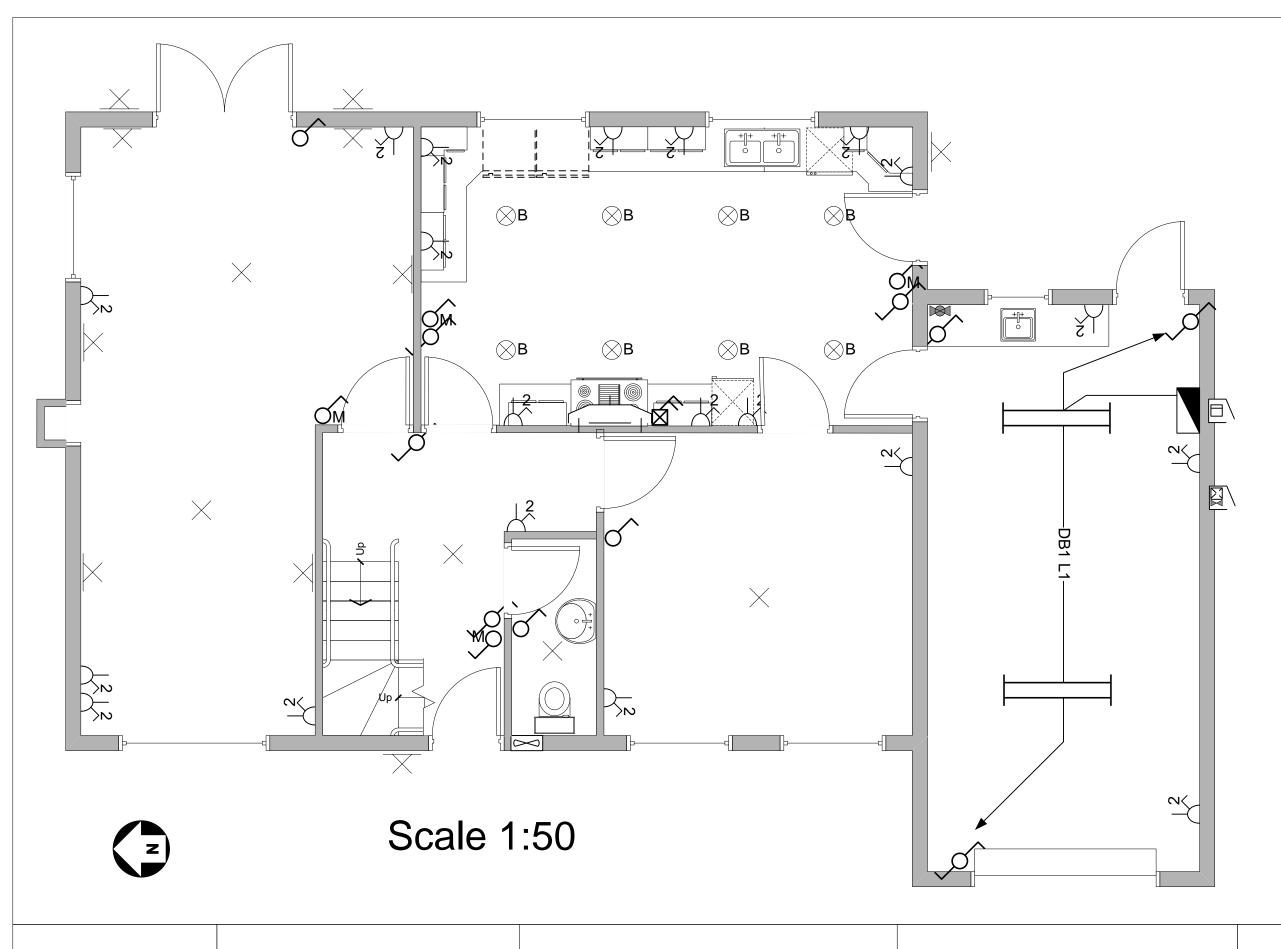




Army Barracks
New Sub-Station

Floor Plan Block L Lighting

Drawing Number 2357-C-04



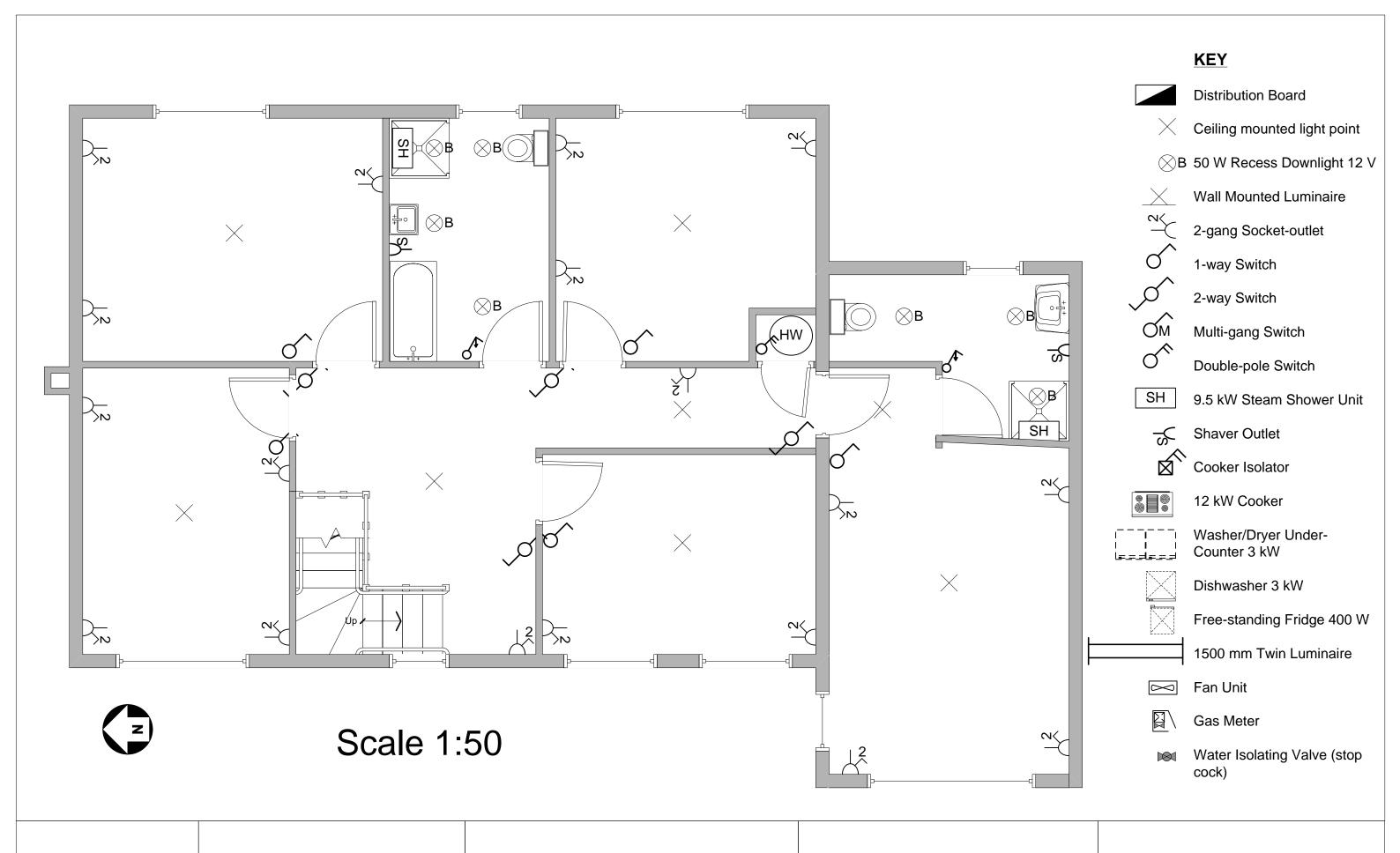
Notes

These drawings show a forty year old domestic property The installation forms part of a 230 V single-phase TN-C-S supply with a declared Z_e of 0.19 Ω and PFC of 1.2 kA. The supply company main fuse located in the service 'cut out' is a 100 A BS 1361. The wiring appears to be twenty years

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2357 Assignment House 'As Fitted'

Ground Floor Plan Drawing Number 2357-AM-01





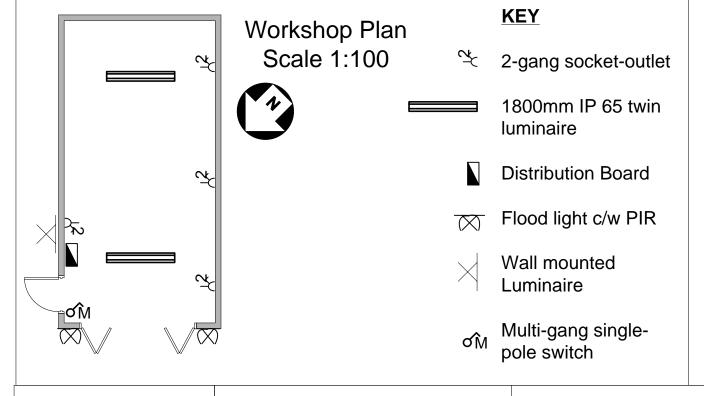
House 'As Fitted'

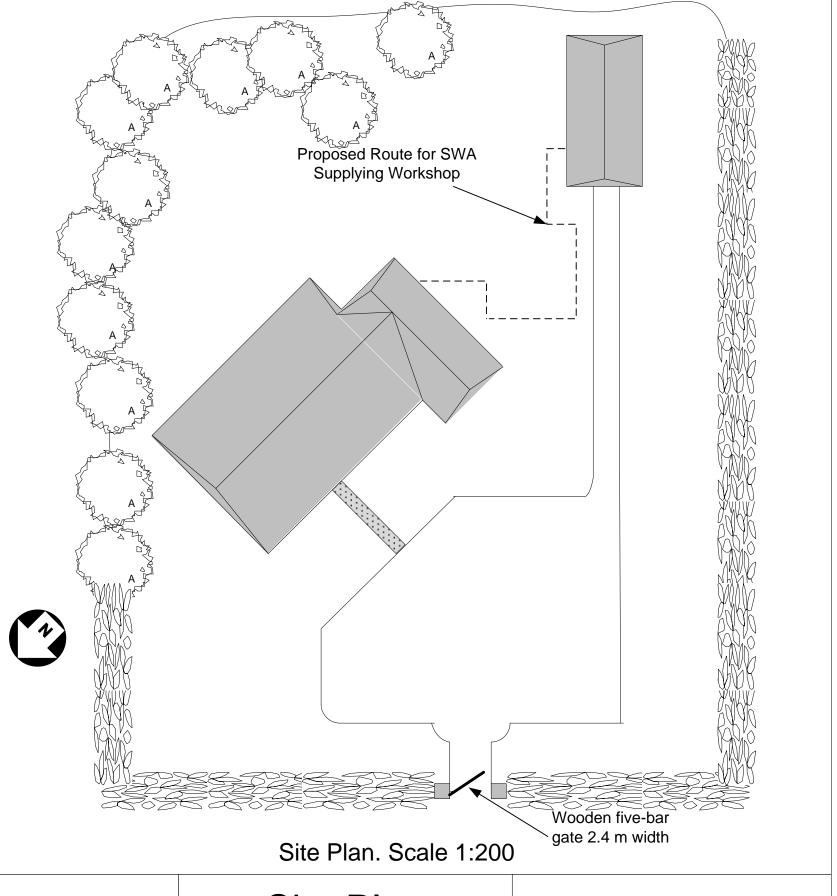
First Floor Plan

Drawing Number 2357-AM-02



West Elevation Scale 1:100



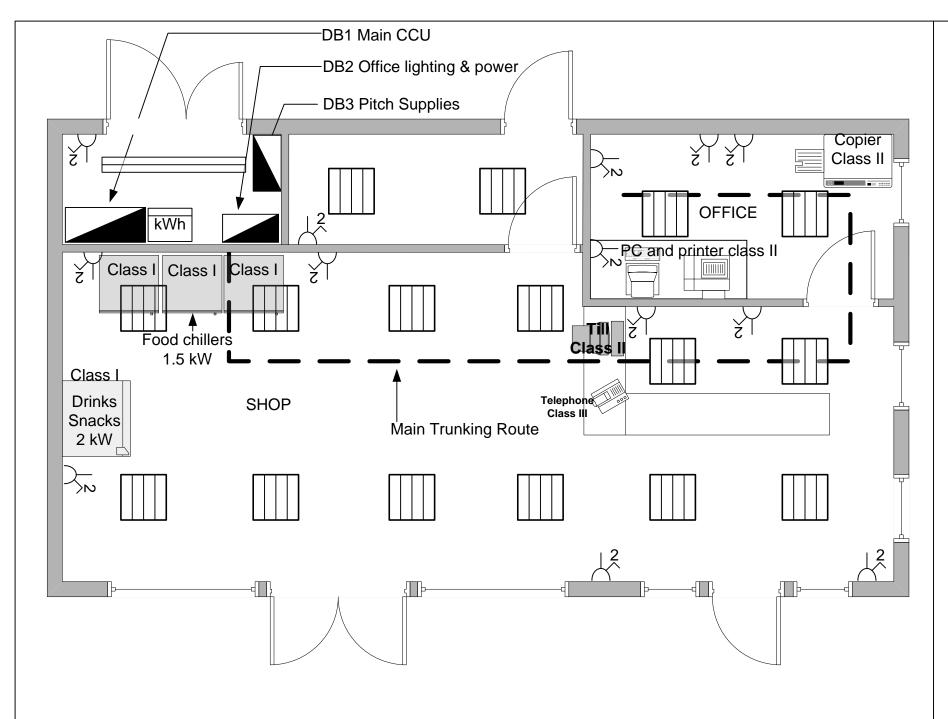




2357 Assignment House 'As Fitted'

Site Plan
Elevations and
Workshop Plan

Drawing Number 2357-AM-03



Scale 1:50

Notes

Building utilisation

The attached drawings show the as fitted drawings of the shop/offices and shower block at the Touring Caravan Park.

Building construction

The construction of the two single-storey building are as follows:

External walls consist of fair-faced brickwork, a cavity and an inner leaf of concrete blockwork. Internal walls consist of concrete block-work with structural supports where required. All walls have a plaster finish throughout.

Floors

The floor is a standard raft of reinforced concrete with a 100mm screed finish..

Floor finishes

Floor finishes are as follows

Shop floor and office areas

Carpet Non-slip vinyl covering Throughout public shower and toilet areas

Compressed treated screed-Service intake and store rooms.

Ceilings

Ceilings are as follows:

- All ceilings in the shop/office block are suspended 600 mm x 600 mm grid with removable tiles 2400 mm above ffl in all areas, with the exception of the service
- All ceilings in the shower/toilet block are plasterboard with moisture proof paint with access panels where required in all areas, 2400 mm above ffl, with the exception of the service intake room.

Roof

The roof is tile hung on wood truss.

Electrical supply

The incoming supply is 400 / 230 V 50 Hz three-phase four-wire, which together with the installation forms part of a TN-C-S system. The declared value of Z_e is 0.08 Ω and the prospective fault current is 5 kA. Consumer's control unit (CCU) together with metering equipment are housed in the service intake room located in the shop/office block. The supply to the shower/toilet block is wired using XLPE multi-core steel-wire-armoured cable.

Electrical installation

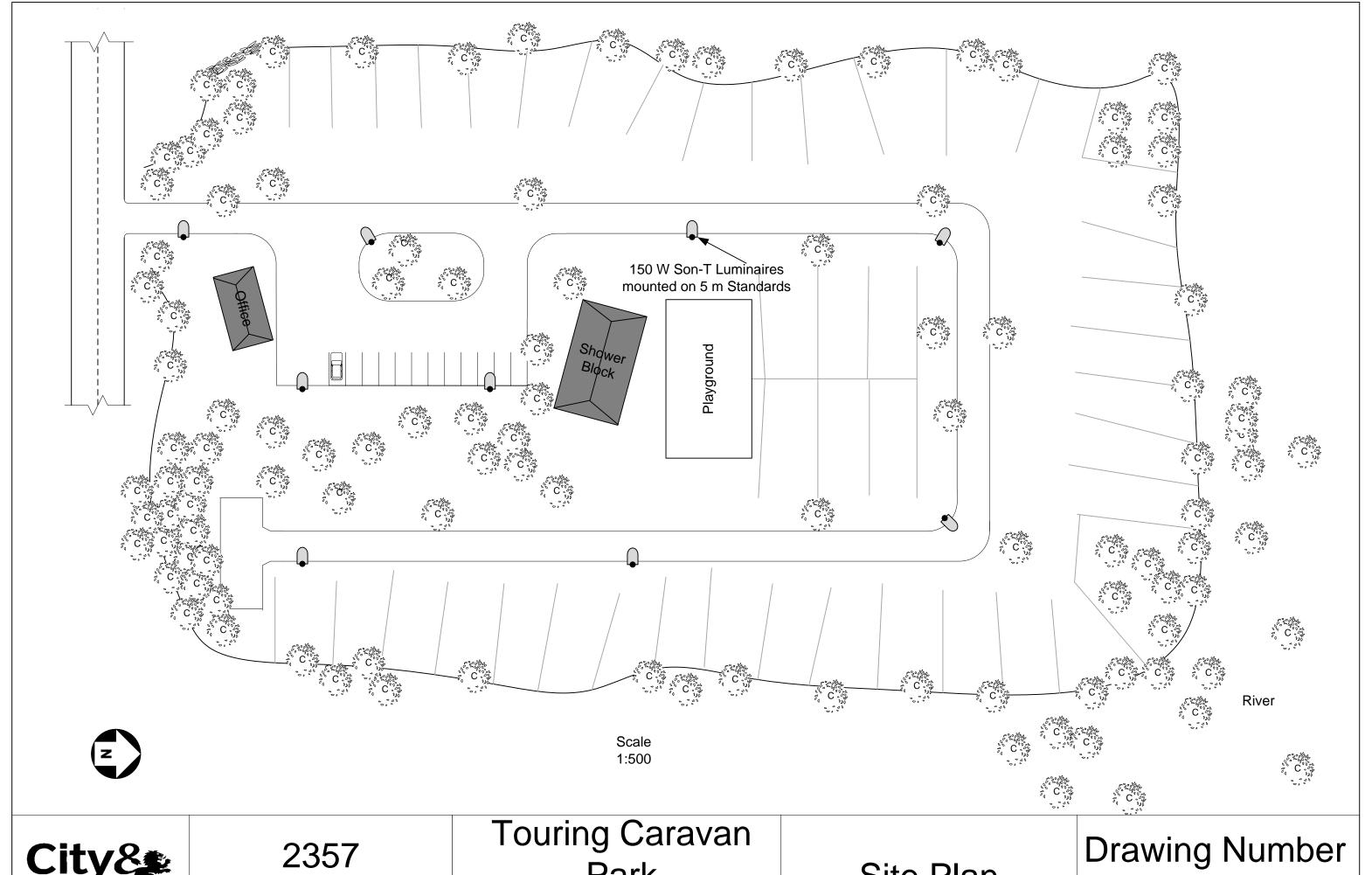
All wiring systems are surface mounted PVC conduit on walls with a metal trunking in the ceiling void. Accessories will be surface mounted.

All wiring to the pitch supplies located around the park and to the park lighting are wired using XLPE multi-core steel-wire-armoured cable.



2357 Assignment Touring Caravan Park 'As Fitted'

Shop/Office **Building Plan** **Drawing Number** 2357-BM-01

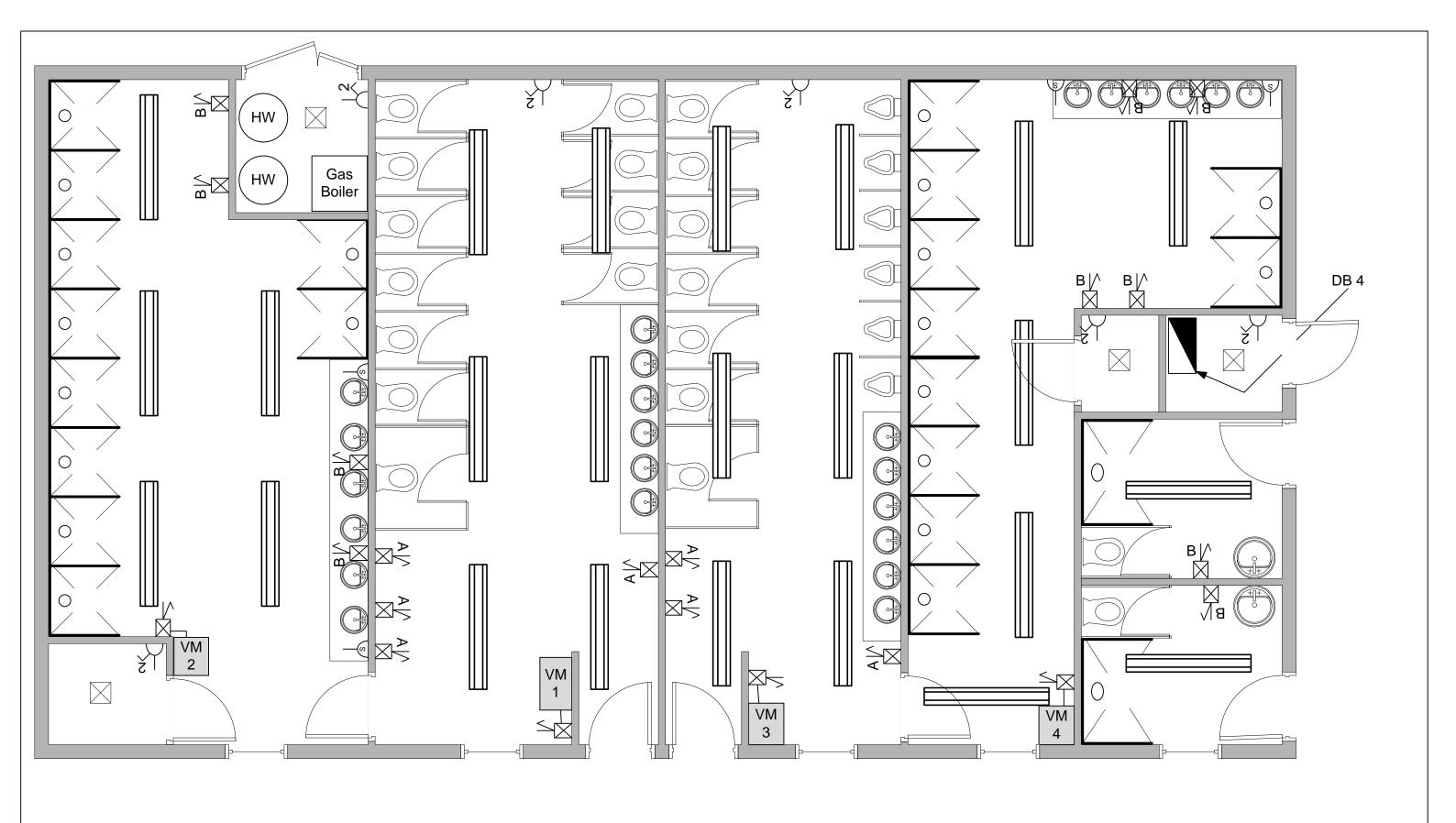


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2357 Assignment Touring Caravan
Park
'As Fitted'

Site Plan

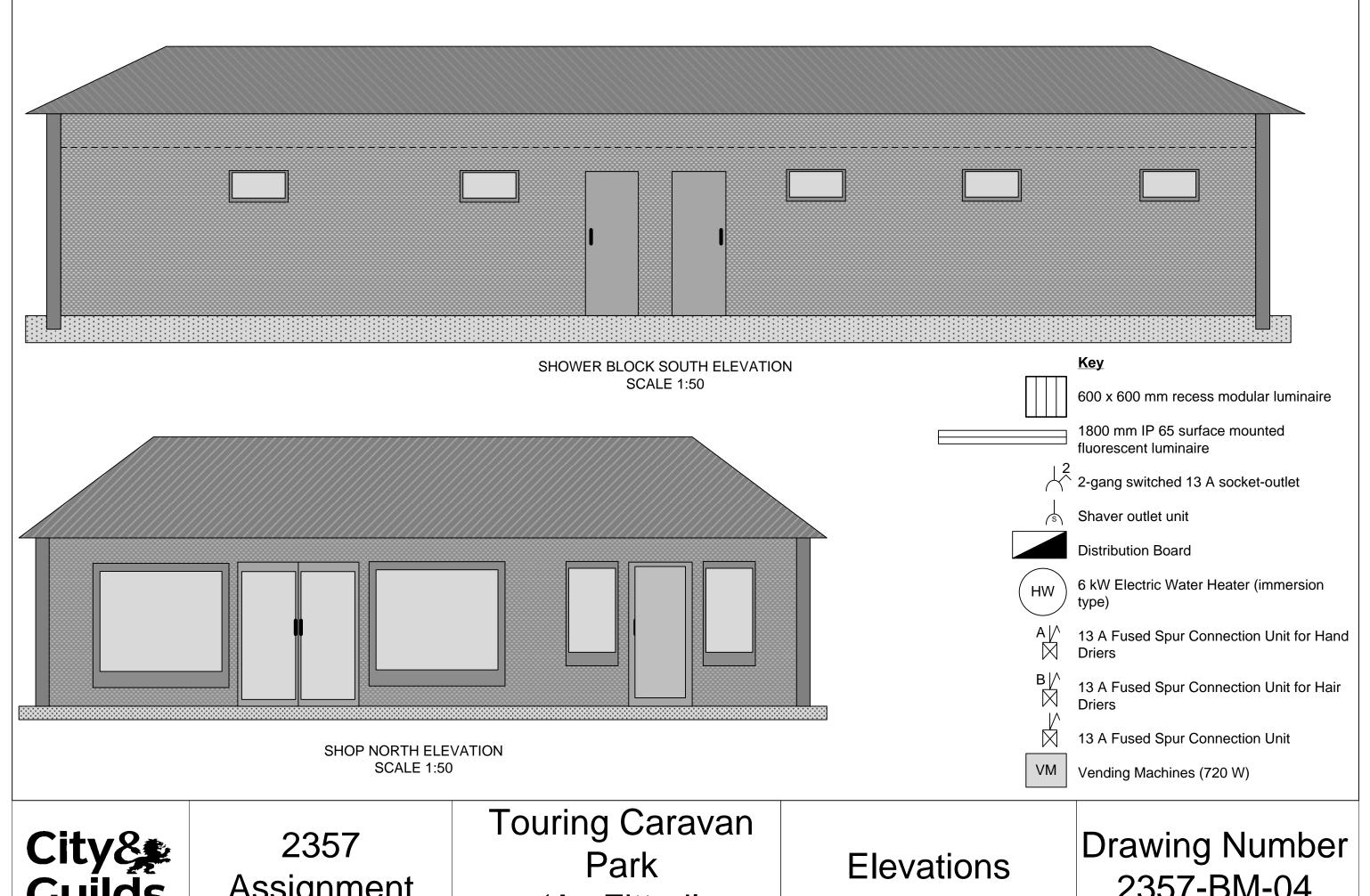
Drawing Number 2357-BM-02





Touring Caravan
Park
'As Fitted'

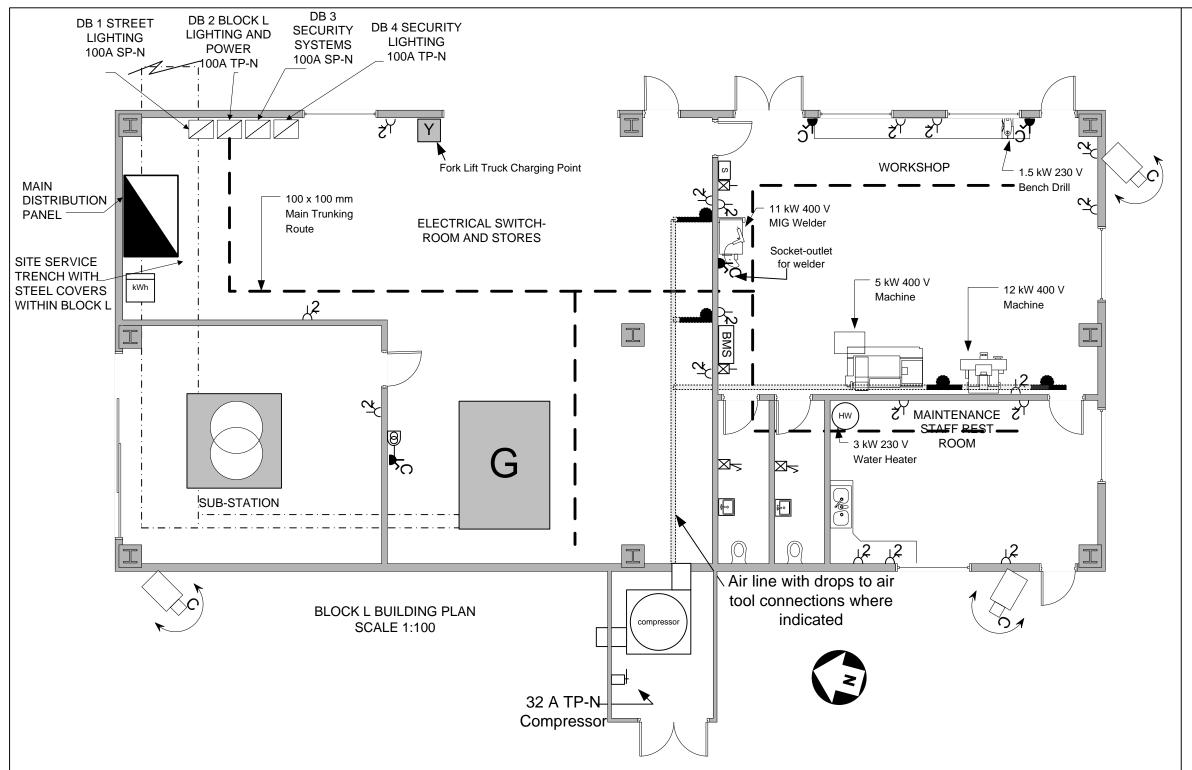
Shower Block Building Plan Drawing Number 2357-BM-03





'As Fitted'

2357-BM-04



Notes/Specification

Building Construction

The construction of this building is as follows:

Walls

External walls consist of standard brick, cavity and inner leaf blockwork. Internal walls are blockwork to roof height, with exception of the toilet/restroom area where blockwork extends to 2.5 m above ffl.

Floors

The floor is to a standard raft of reinforced concrete with a 100 mm compressed screed finish. Floor finishes are epoxy treated throughout.

Ceilings

The underside of the steel clad roof is used throughout with the exception of the toilet/ restroom area which is a plasterboard ceiling, 2.4 m above ffl, 200 mm void and chipboard fixed on wood truss which will form a mezzanine storage facility.

Roof

The roof is steel clad sheeting supported by a steel frame. Steel uprights will be enclosed by fire proof boarding

Electrical Supply

The 11 kV/400/230 V Transformer supply to the Main Distribution Panel forms a TN-C-S supply having a declared Ze of 0.008 Ω and Prospective Fault Current declared as 50 kA.

Generator Set

Standby (essential) systems are supplied by the standby generator should the supply system fail. The generator set is a 700 kVA 400 V three-phase set with six cylinder 18.1 litre in line diesel drive at a constant 1500 rpm.

Electrical Installation

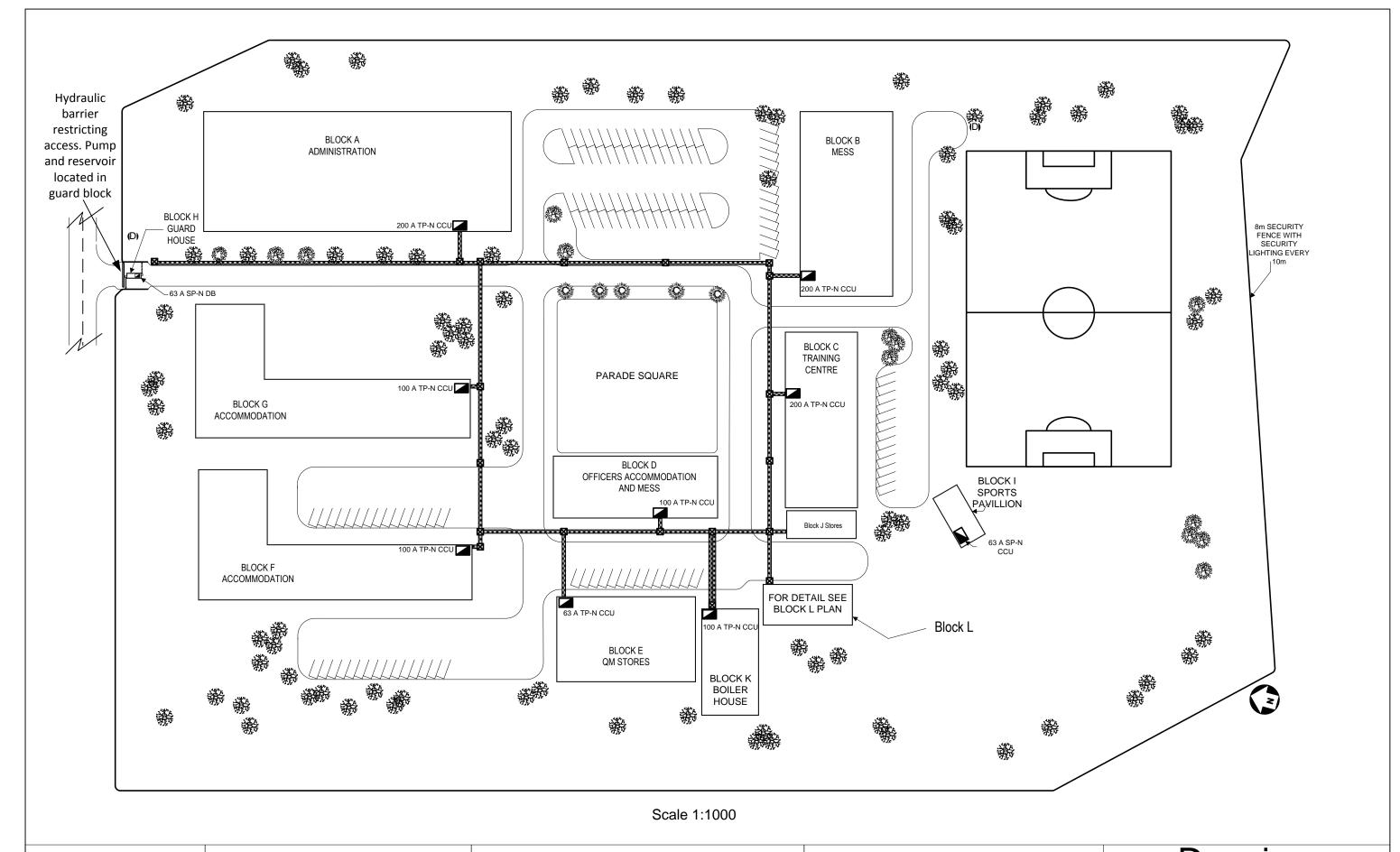
All wiring systems are a mixture of PVC and metallic containment systems. Main metallic trunking routes are shown. Surface conduit links trunking to final points. All machines have correct starting/control equipment. Accessories are suitable for the given environment.



2357 Assignment Army Barracks 'As Fitted'

Floor Plan Block L Electrical Power Layout

Drawing Number 2357-CM-01



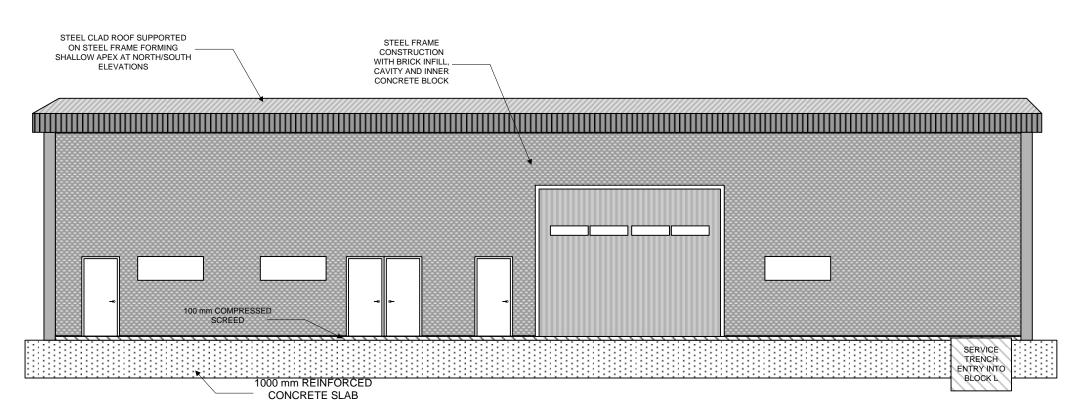
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2357 Assignment

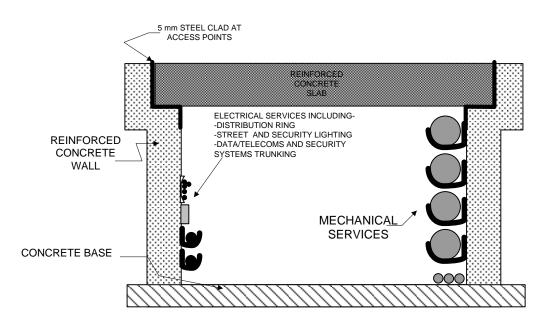
Army Barracks 'As Fitted'

Site Plan

Drawing
Number
2357-CM-02



EAST ELEVATION SCALE 1:100



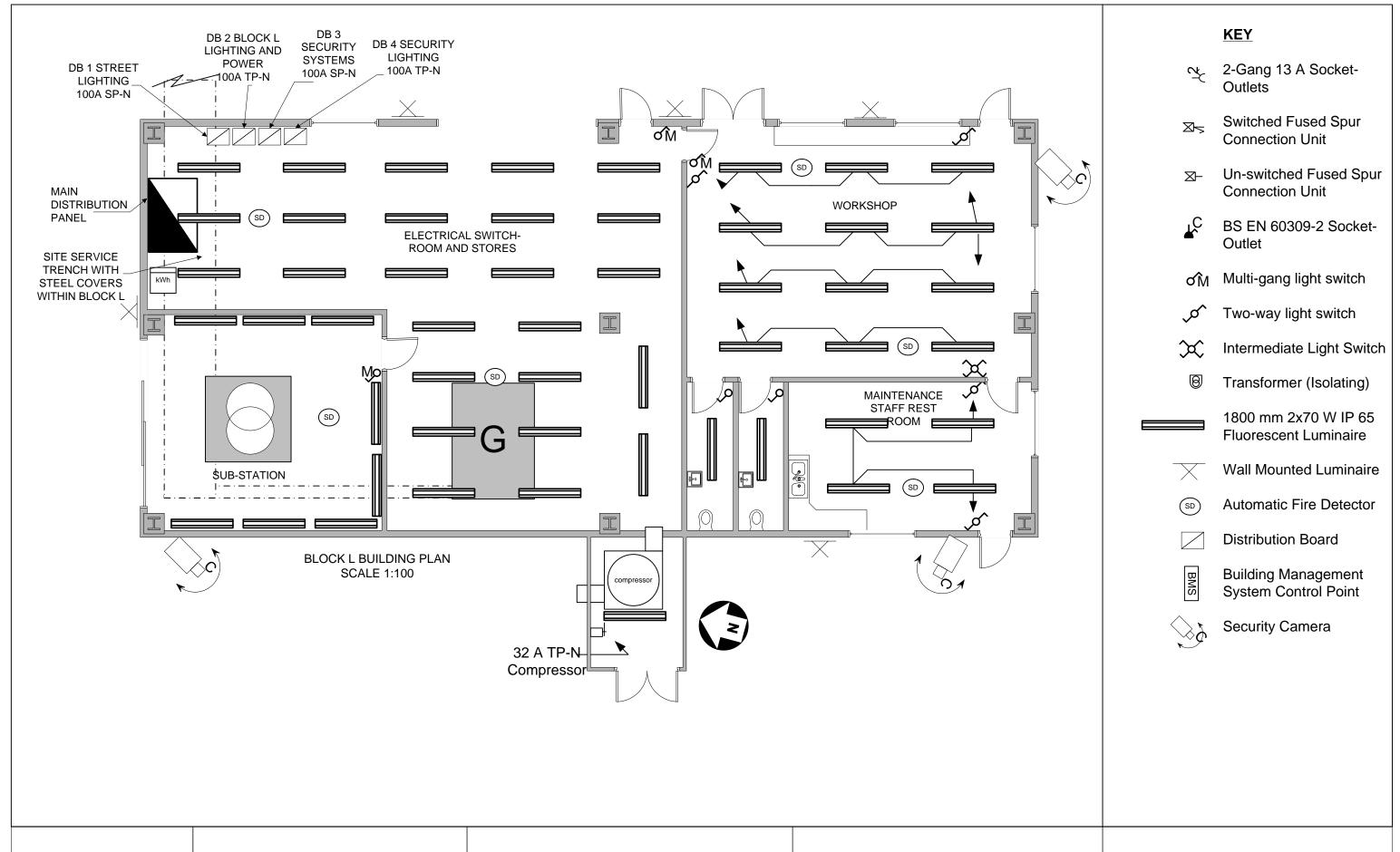
TYPICAL CROSS SECTION OF SERVICE TRENCH SCALE 1:10



2357 Assignment Army Barracks 'As Fitted'

Elevations

Drawing Number 2357-CM-03

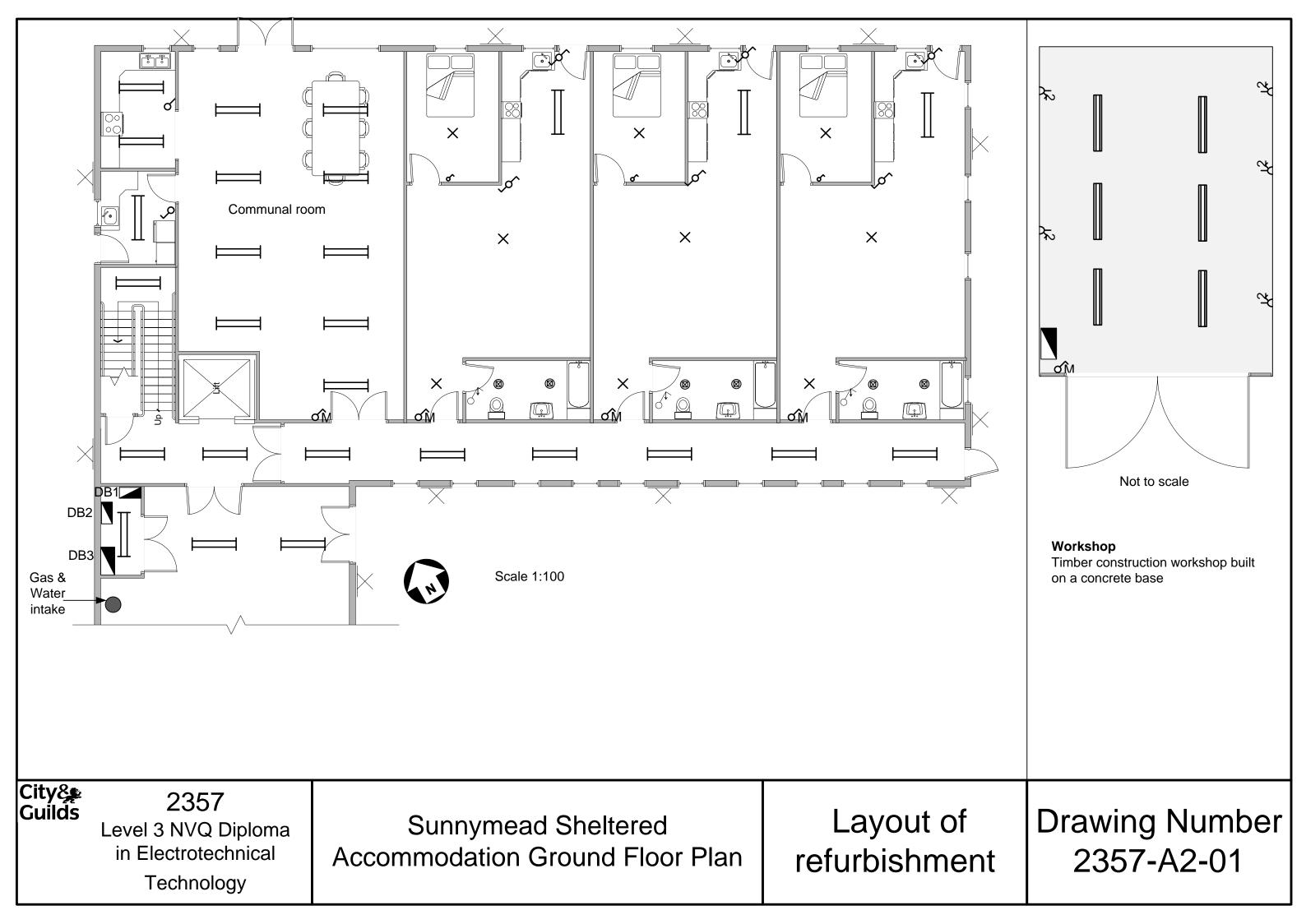


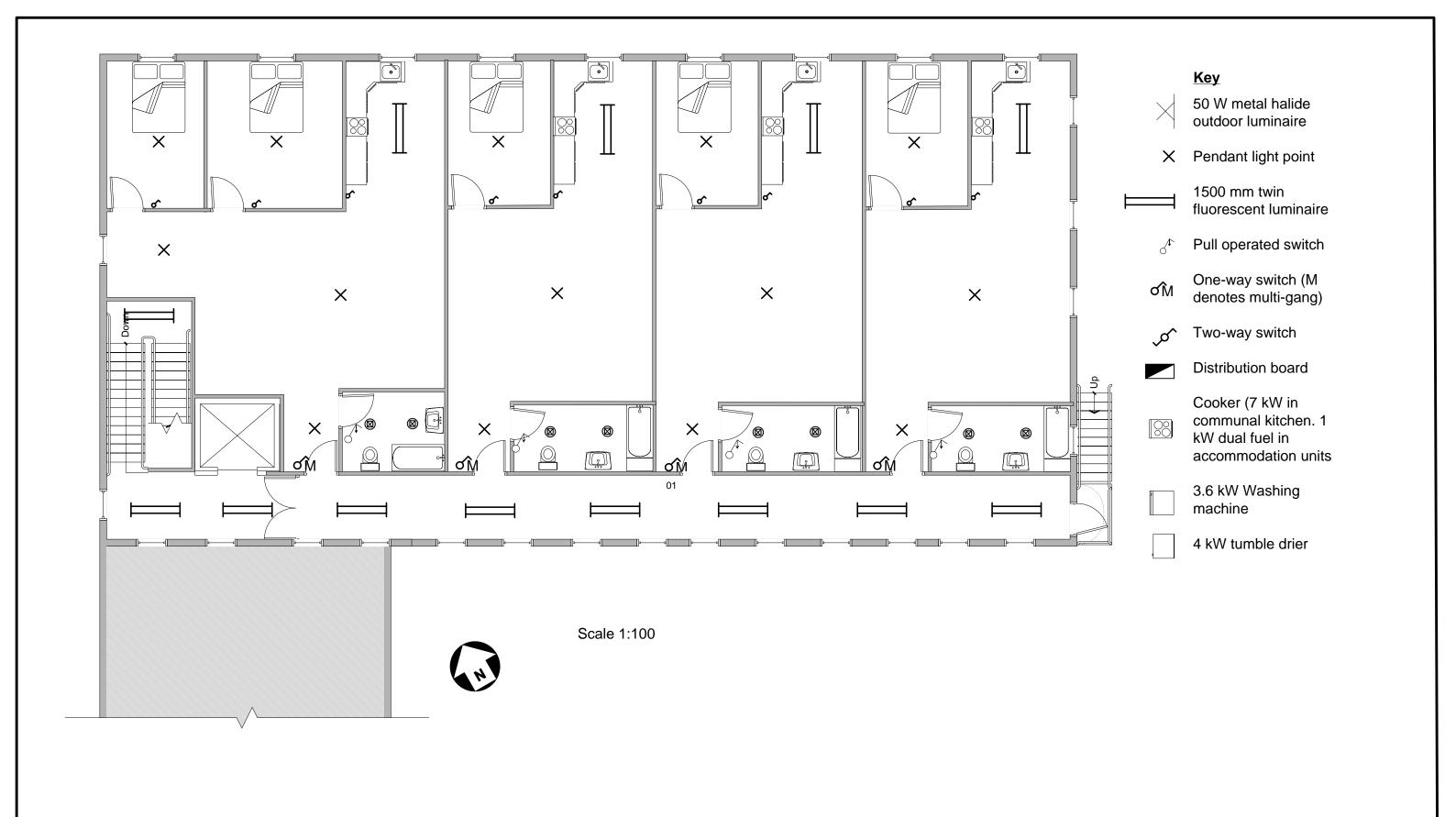


Army Barracks 'As Fitted'

Floor Plan Block L Lighting

Drawing Number 2357-CM-04





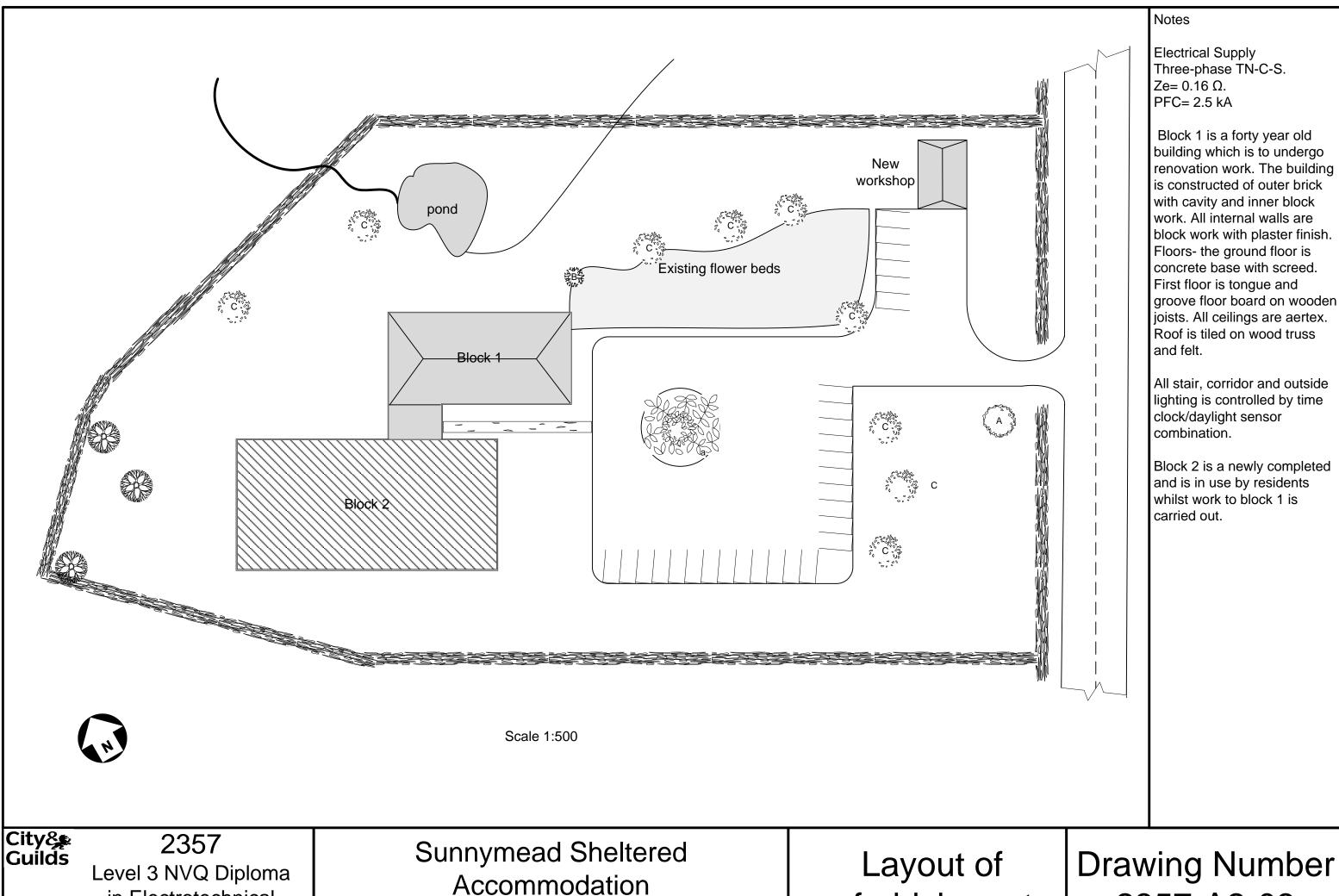
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2357
Level 3 NVQ Diploma in Electrotechnical
Technology

Sunnymead Sheltered Accommodation First Floor Plan

Layout of refurbishment

Drawing Number 2357-A2-02

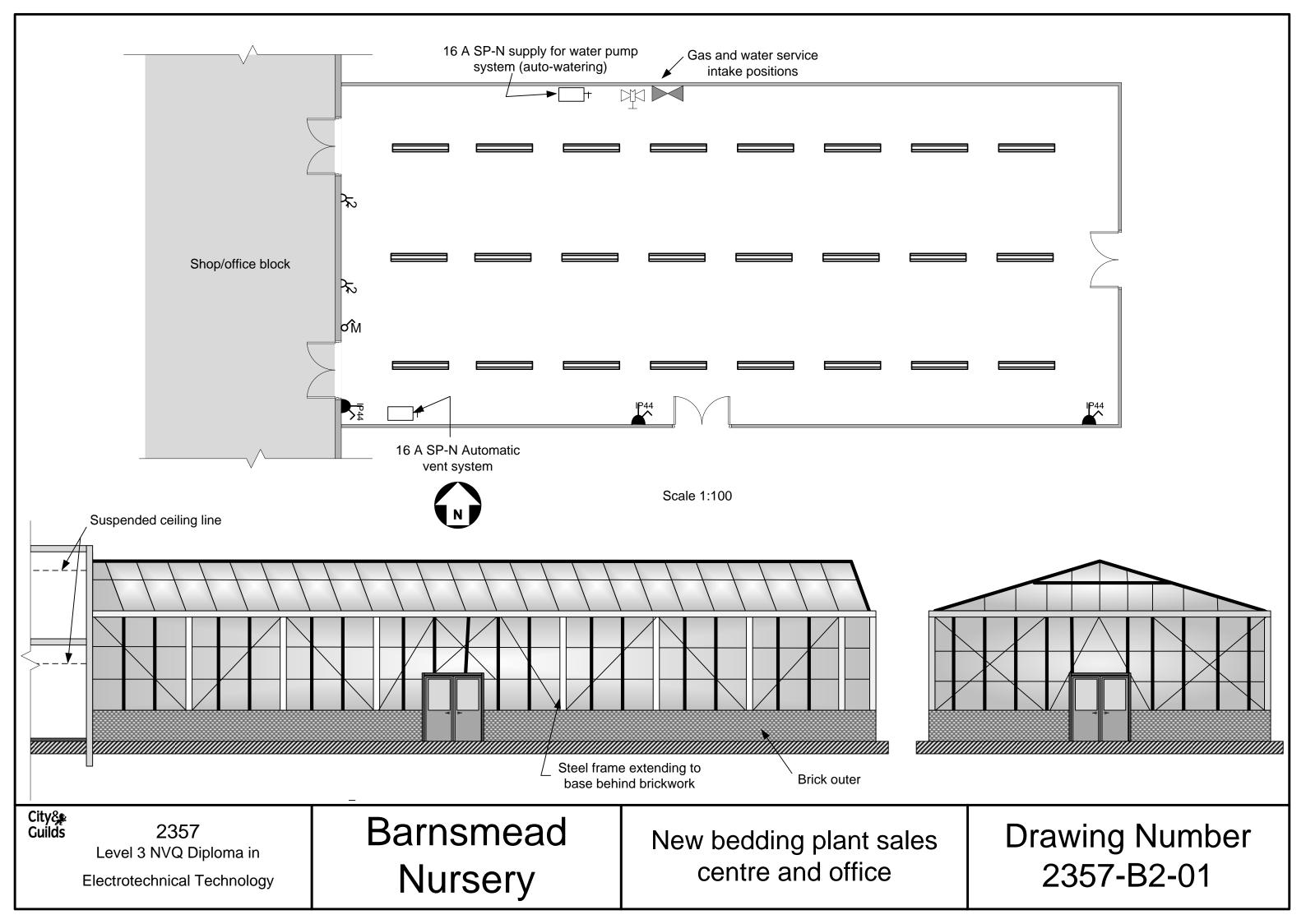


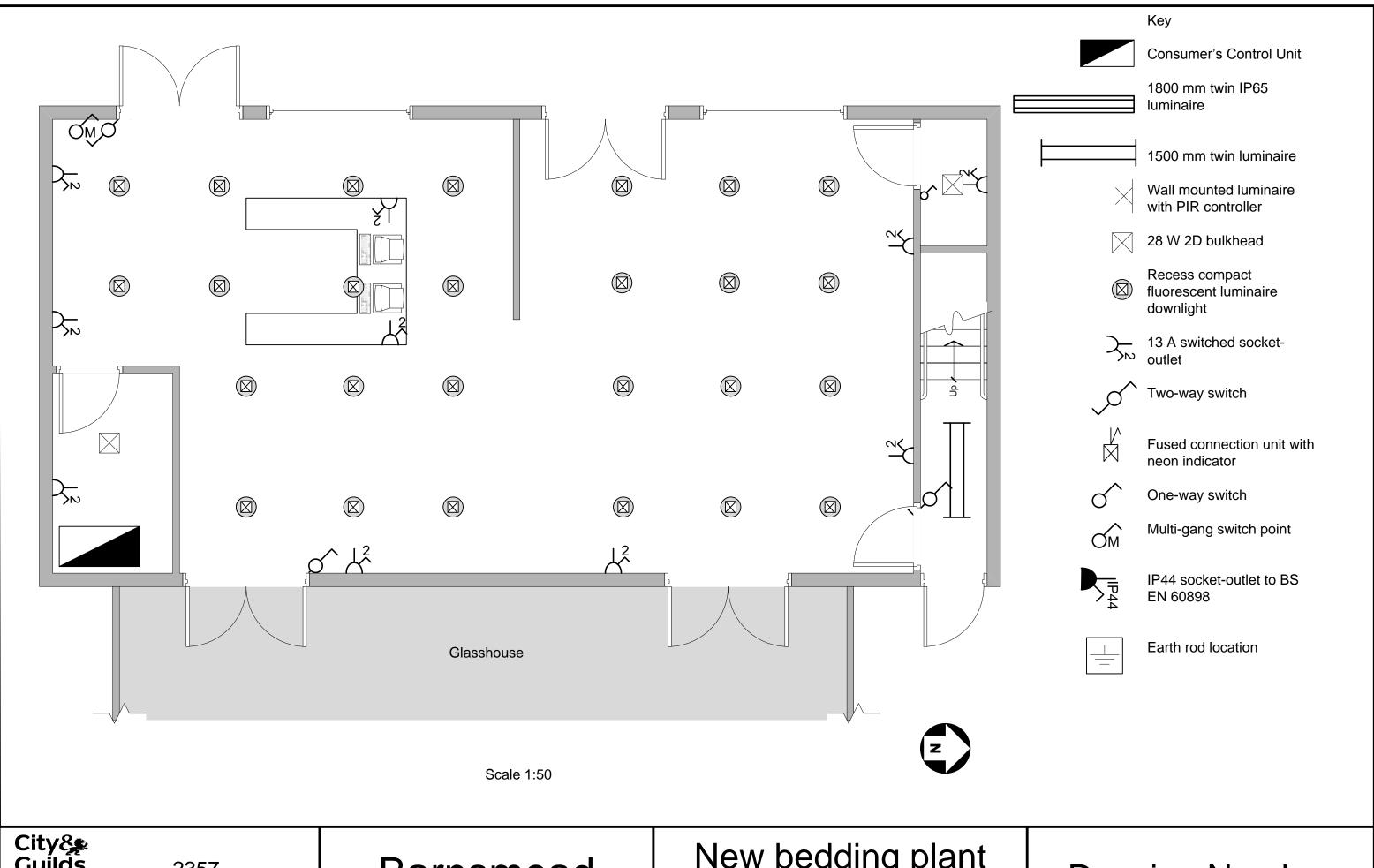
in Electrotechnical **Technology**

Accommodation Site Plan

refurbishment

2357-A2-03





City& Guilds

2357 Level 3 NVQ Diploma in Electrotechnical Technology Barnsmead Nursery

New bedding plant sales centre and office **Ground Floor**

Drawing Number 2357-B2-02

All accessories in offices are mounted on three-compartment dado trunking <u>}</u> General office Office Glasshouse Scale 1:50

Notes

Electrical Supply

230 V single-phase TT system

Building Construction

Glasshouse- steel framed with brick dwarf wall and toughened glass. Floor is treated screed.

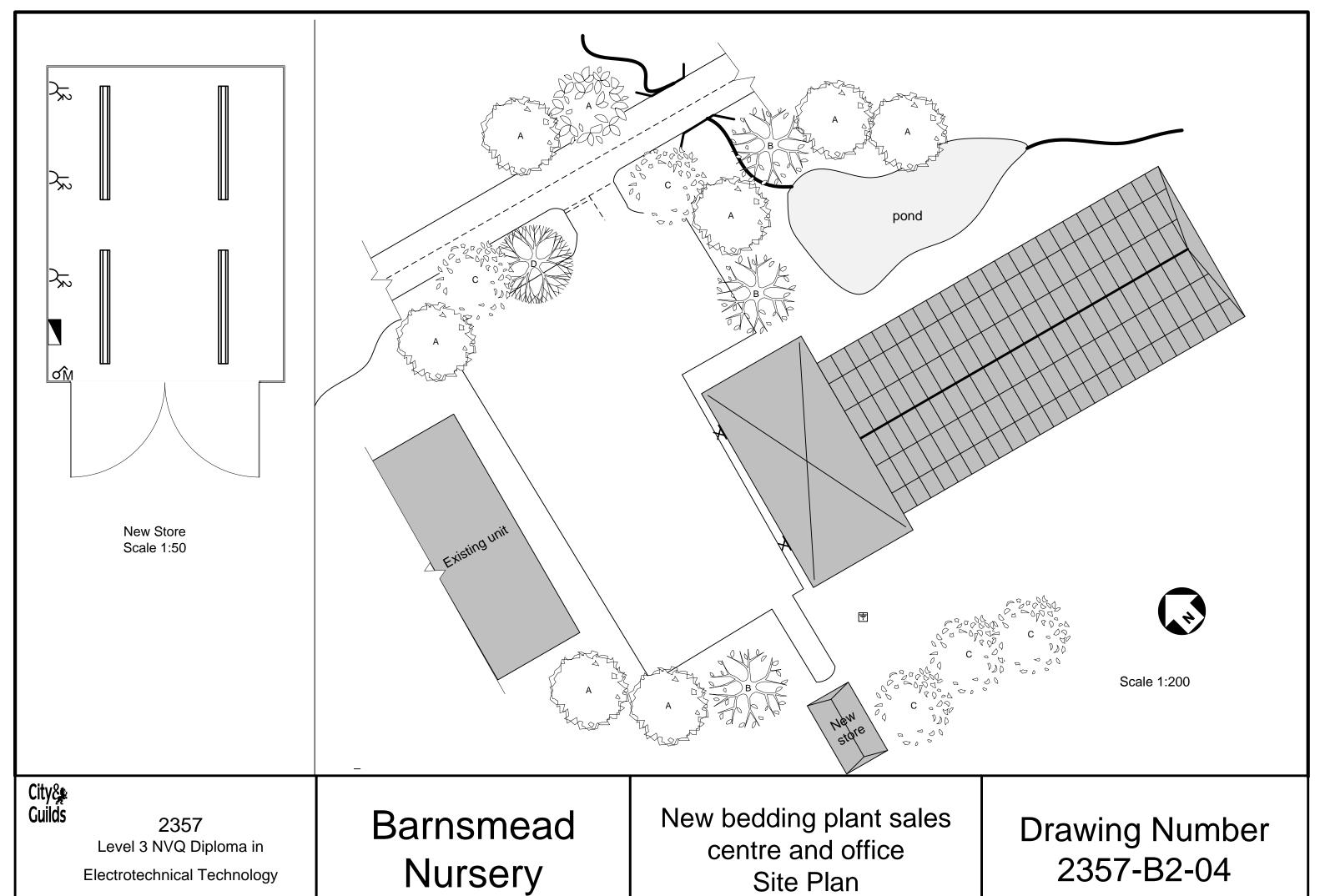
Office/shop- wood framed with fairfaced brick outer skin and boarded inner. All partition walls to be metal framed with plasterboard finish. Suspended 600x600 mm tiled suspended ceiling in all areas except staircase and store rooms.

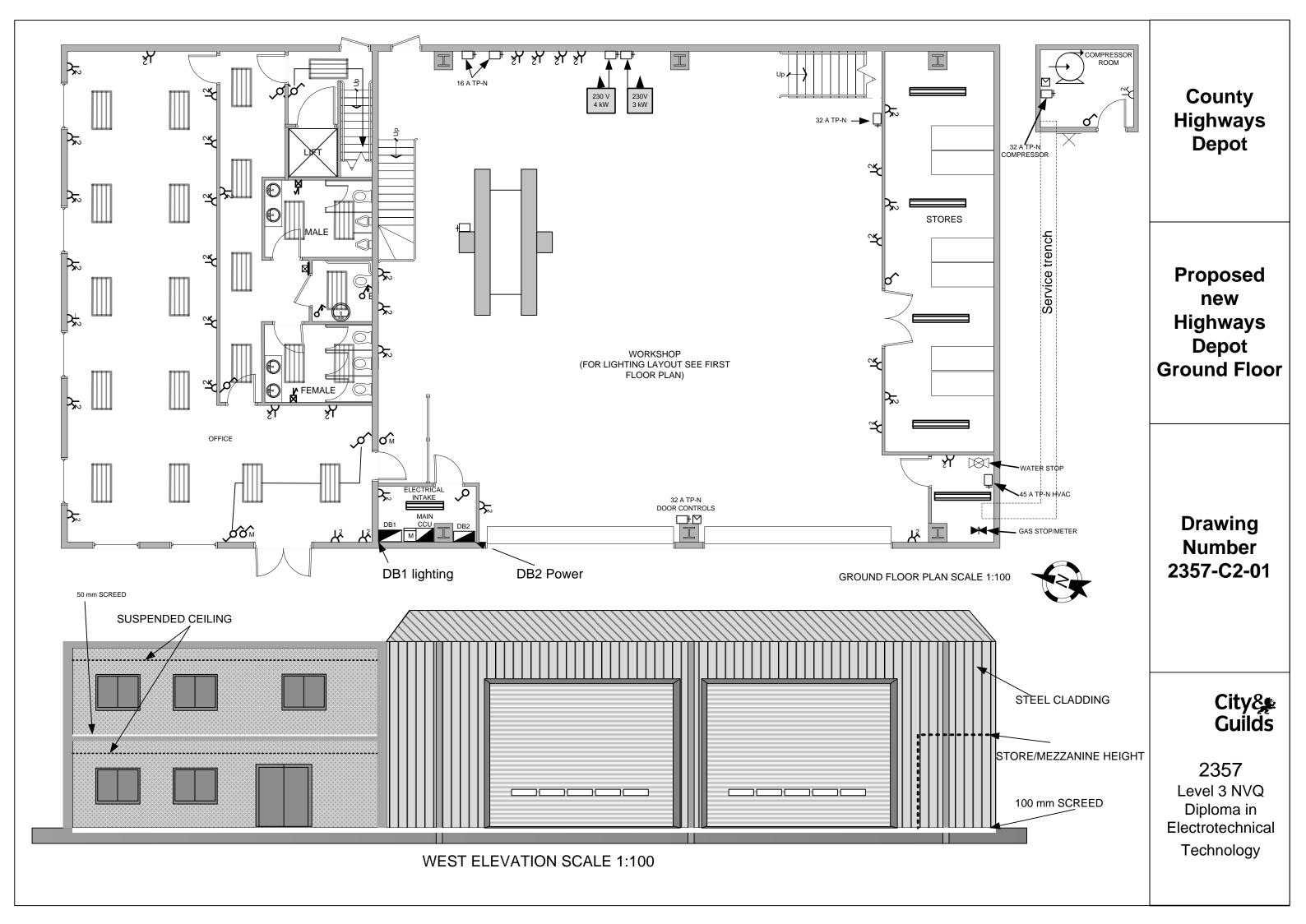
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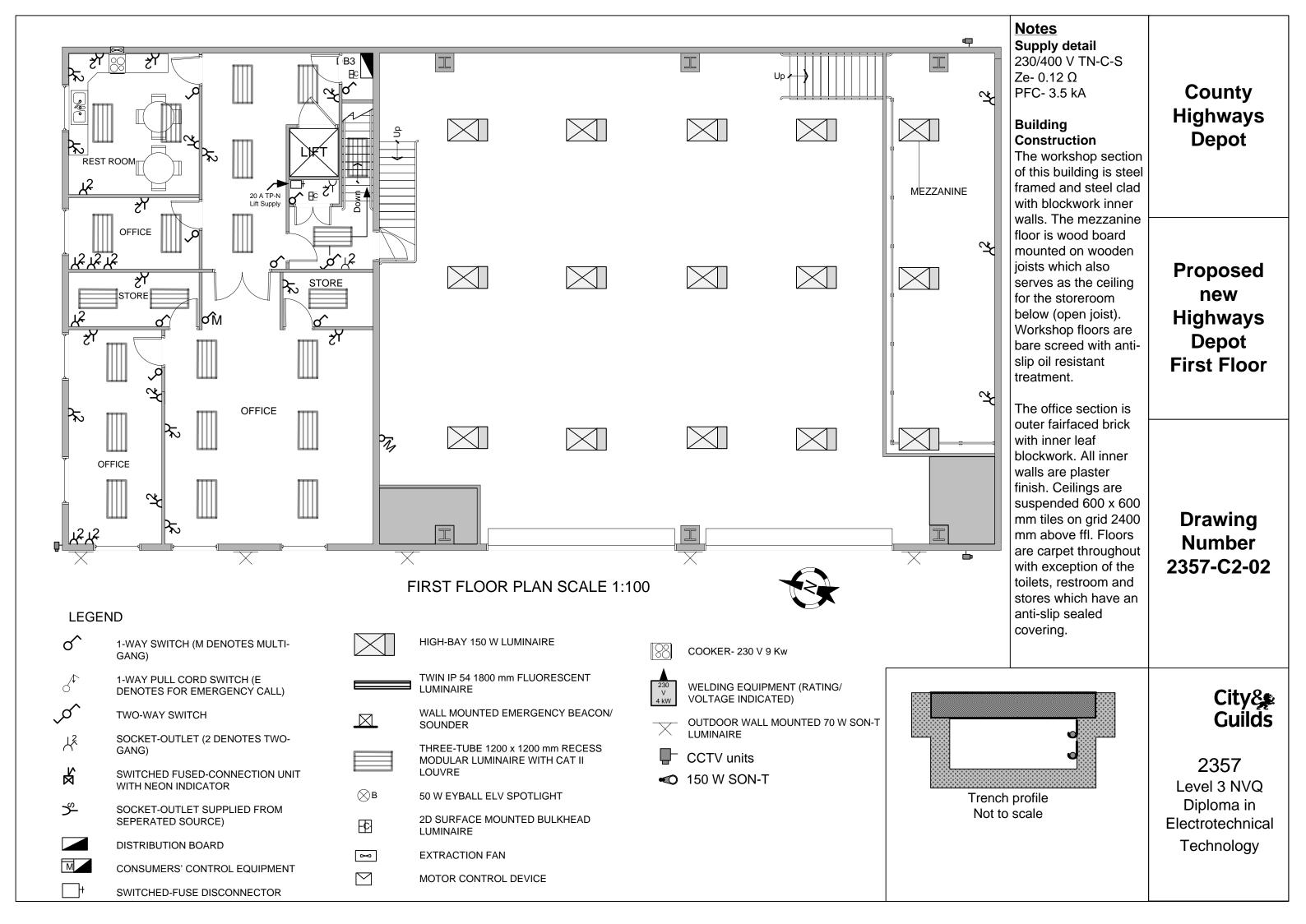
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Technology

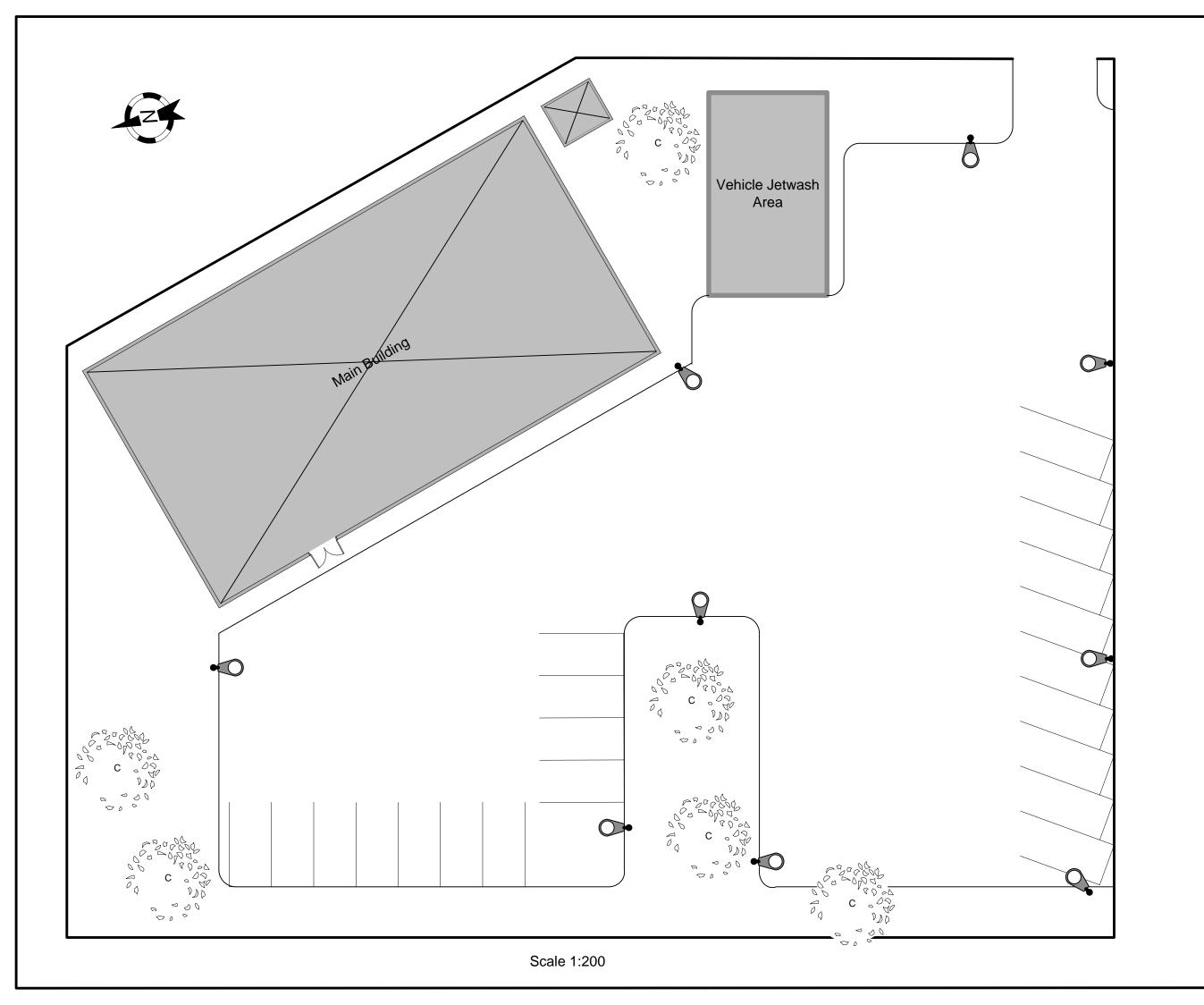
Barnsmead Nursery New bedding plant sales centre and office 1st Floor

Drawing Number 2357-B2-03









County Highways Depot

Proposed new Highways Depot Site Plan

Drawing Number 2357-C2-03

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Technology