

**SPECIFICATION FOR THE INSTALLATION OF A CLOSED CIRCUIT TELEVISION
SYSTEM WITH RVR MONITORING AND POLICE RESPONSE**

Site:

snellgroup.com
SOUTHLEIGH PARK HOUSE
EASTLEIGH ROAD
PO9 2PE

Customer:

snellgroup.com
SOUTHLEIGH HOUSE
EASTLEIGH ROAD
GB
PO9 2PE

For the attention of:
Telephone Number:

Date: 02/03/2011

Chubb Contact: Greaney Andrew

Security Audit Reference: 37002

Quote Reference: 263980

Site Details

Building Status:
Number of Floors: 2

Construction Material: Various
Use of Premises: Retail Outlet

System Purpose

Closed Circuit Television Purpose

- Deterrent
- General observation
- Identification of known person
- Recognition of unknown person



The system is designed to transmit alarm activated CCTV images to our RVR Monitoring Centre in Gloucester.

This specification has been drawn up to ensure that the system will comply with the requirements of the security inspectorate body National Security Inspectorate (NSI) code of practice NACP20 and BS8418 for the planning, installation and maintenance of a remotely monitored CCTV system.

The system has been designed using information gathered during your Security Audit (Ref 37002). The design of the system is determined by the information available at the time, including any valuations, supplied by you or your representative.

Customer signature on completion of installation:

Customer Signature

I agree that this system has been installed as detailed in this specification
(including amendments made during installation)

I would like to draw your attention to specific information that is relevant to this installation. Details of these can be found at the back of this specification.

SYSTEM INFORMATION

Customer Responsibilities

Mains Power Supply will be required adjacent to all control equipment and auxiliary power supplies, locations are detailed on your equipment and location list

ADDITIONAL SYSTEM INFORMATION

PLEASE NOTE:-

- (1) All groundworks and camera pole bases to be completed by others
- (2) Static IP address required at DVR location for transmission of signals to Remote Video Response (RVR)
- (3) All mains electrical works by others
- (4) Lighting by others

INSTALLATION INFORMATION

All quoted positions are referenced from externally facing the main entrance point.

Camera 1 - Main Building Front Left

Item No 1 - New

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.
Located: adjacent the camera.

Item No 2 - New

Camera No ()

External

An external fully functional wall mounted colour dome camera.
Lens type: 18 x optical; Located: On the front left corner of the Main Building; Mounted at: 5m;
Mounting Type: Corner Mount; Directed towards: The general area.

Item No 3 ... Item No 4 - New

Point No ()

Point Attribute - Night Alarm

A 50m D-TECT50 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Camera 2 - Main Building Rear Left

Item No 5 - New

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.
Located: adjacent the camera.

Item No 6 - New

Camera No ()

External

An external fully functional wall mounted colour dome camera.

Lens type: 18 x optical; Located: On the front left corner of the Main Building; Mounted at: 5m;

Mounting Type: Corner Mount; Directed towards: The general area.

Item No 7 ... Item No 8 - New

Point No ()

Point Attribute - Night Alarm

A 50m D-TECT50 quad external detector in a silver zinc finished housing.

Located: as per drawing; Mounted at: 2.3.

Camera 3 - Main Building Rear Central**Item No 9 - New**

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.

Located: adjacent the camera.

Item No 10 - New

Camera No ()

External

An external fully functional wall mounted colour dome camera.

Lens type: 18 x optical; Located: On the rear corner halfway along the building; Mounted at:

5m; Mounting Type: Corner Mount; Directed towards: The general area.

Item No 11 ... Item No 12 - New

Point No ()

Point Attribute - Night Alarm

A 50m D-TECT50 quad external detector in a silver zinc finished housing.

Located: as per drawing; Mounted at: 2.3.

Camera 4 - Old House Passageway**Item No 13 - New**

Camera No ()

External

A fixed high resolution miniature globe dome camera with Infra red LED's and a 4-9mm varifocal lens..

Lens type: 4-9mm; Located: On the rear of the front part of the house; Mounted at: 2.3 - 3.5;

Mounting Type: Wall Mount; Directed towards: The passage between the buildings.

Item No 14 ... Item No 15 - New

Camera No ()

A single camera 12v DC power supply.

Camera 5 - Old House Rear Left**Item No 16 - New**

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.

Located: adjacent the camera.



Item No 17 - New
External

Camera No ()

An external fully functional wall mounted colour dome camera.
Lens type: 18 x optical; Located: on the rear left corner of the building; Mounted at: 5m;
Mounting Type: Corner Mount; Directed towards: The general area.

Item No 18 ... Item No 19 - New
Point Attribute - Night Alarm

Point No ()

A 50m D-TECT50 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Camera 6 - Old House Right Side Courtyard on Tower

Item No 20 - New

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.
Located: in the tower cabinet.

Item No 21 - New
External

Camera No ()

An external fully functional pole mounted colour dome camera.
Lens type: 3.5 - 8mm; Located: on the top of the tower; Mounted at: 2.3 - 3.5; Mounting Type:
Swan Neck; Directed towards: The general area.

Item No 22 - New

Camera No ()

Camera Pole.
Located: in agreed position with customer.

Item No 23 ... Item No 25 - New
Point Attribute - Night Alarm

Point No ()

A 50m D-TECT50 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Camera 7 - Old House Front Left

Item No 26 - New

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.
Located: adjacent the camera.

Item No 27 - New
External

Camera No ()

An external fully functional wall mounted colour dome camera.
Lens type: 18 x optical; Located: On the front left corner of the house; Mounted at: 5m;
Mounting Type: Corner Mount; Directed towards: The general area.

Item No 28 - New

Point No ()

Point Attribute - Night Alarm

A 50m D-TECT50 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Camera 8 - Coach House**Item No 29 - New**

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.
Located: adjacent the camera.

Item No 30 - New

Camera No ()

External

An external fully functional wall mounted colour dome camera.
Lens type: 18 x optical; Located: On the front left corner of the building; Mounted at: 5m;
Mounting Type: Corner Mount; Directed towards: The general area.

Item No 31 - New

Point No ()

Point Attribute - Night Alarm

A 50m D-TECT50 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Camera 9 - Main Building Courtyard**Item No 32 - New**

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.
Located: adjacent the camera.

Item No 33 - New

Camera No ()

External

An external fully functional wall mounted colour dome camera.
Lens type: 18 x optical; Located: On the corner opposite the Coach House; Mounted at: 5m;
Mounting Type: Corner Mount; Directed towards: The general area.

Item No 34 - New

Point No ()

Point Attribute - Night Alarm

A 50m D-TECT50 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Item No 35 - New

Point No ()

Point Attribute - Night Alarm

A 30m D-TECT2 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.



Camera 10 - The Lodge Tower

Item No 36 - New

Camera No ()

VPSU243EXT Weather Proof PSU for Power Dome Pro 0496080.
Located: in the tower cabinet.

Item No 37 - New

Camera No ()

External

An external fully functional pole mounted colour dome camera.
Lens type: 3.5 - 8mm; Located: on the top of the tower; Mounted at: 2.3 - 3.5; Mounting Type: Swan Neck; Directed towards: The general area.

Item No 38 - New

Camera No ()

Camera Pole.
Located: to the left of the lodge.

Item No 39 - New

Point No ()

Point Attribute - Night Alarm

A 50m D-TECT50 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Item No 40 - New

Point No ()

Point Attribute - Night Alarm

A 30m D-TECT2 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Camera 11 - The Lodge

Item No 41 - New

Camera No ()

External

A fixed high resolution miniature globe dome camera with Infra red LED's and a 4-9mm varifocal lens..
Lens type: 4 - 9mm; Located: On the rear right corner of the building; Mounted at: 2.3 - 3.5; Mounting Type: Wall Mount; Directed towards: The single storey part of the building.

Item No 42 - New

Camera No ()

A single camera 12v DC power supply.

Item No 43 - New

Point No ()

Point Attribute - Night Alarm

A 30m D-TECT2 quad external detector in a silver zinc finished housing.
Located: as per drawing; Mounted at: 2.3.

Loudspeakers

Item No 44 ... Item No 46 - New

Camera No ()

A 30w horn loudspeaker and amplifier for on site public address.
Located: as per drawing.

Item No 47 ... Item No 50 - New

Camera No ()

An additional 30w horn loudspeaker .
Located: as per drawing.

Control Equipment

Item No 51 - New

Camera No ()

A 16 channel SD range DVR with DVD-R writer and USB ports for archiving video footage. .
Located: in the server space provided by the customer; Mounting Type: Desk Mounted.

Item No 52 - New

Camera No ()

A joystick keyboard for use with DVR's.
Located: in the server room with the DVR.

Item No 53 ... Item No 54 - New

Camera No ()

An NVT 8 channel passive transceiver with female BNC connectors.

Item No 55 ... Item No 56 - New

Camera No ()

An NVT 1 channel passive transceiver with male BNC connector on a 9" lead.

Item No 57 - New

Point No ()

A blue backlit proximity keypad with LCD display.
Mounted at: 0.9 - 1.0.

Item No 58 - New

Point No ()

A Visonics wireless receiver module.

Item No 59 - New

Camera No ()

A high visibility set/unset unit.

Item No 60 - New

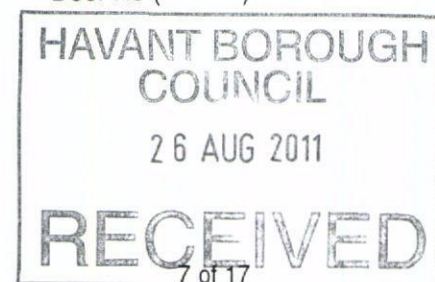
Door No ()

KEYFOB 4 BUTTON MCT-234 055-519.

Item No 61 - New

Door No ()

KEYFOB 4 BUTTON MCT-234 055-519.



Item No 62 - New	Point No ()
control unit px48i for use with RVR.	
Item No 63 - New	Point No ()
A Visonics wireless receiver module.	
Item No 64 ... Item No 76 - New	Door No ()
KEYFOB 4 BUTTON MCT-234 055-519.	
Item No 77 - New	Point No ()
A Smart concentrator with integral 3Amp diagnostic power supply . Mounted at: 2.3.	
Item No 78 - New	Point No ()
An eight point concentrator used to expand the size of a system. Mounted at: 2.3.	
Item No 79 - New	Camera No ()
Demountable Winch Kit.	
Item No 80 - New	Camera No ()
Delivery.	

EQUIPMENT INFORMATION

EXTERNAL DETECTION DEVICES



Dualtech External D-Tect2 30mSilver Zinc Housing

The Chubb D-Tect 2 is a 30m x 30m quad external passive infra-red detector. It has a stylish zinc alloy housing with a white polyethylene cover which disguises the viewing position of the adjustable internal detector. Therefore potential intruders are not aware of the area of detection. It is weatherproof and specifically designed for outdoor applications and use with CCTV systems (BS8418 compliant). Remote programmable option via an infra-red key fob.



Dualtech External D-Tect2 50mSilver Zinc Housing

The Chubb D-Tect 50 is a 50m x 20m quad external long range passive infra-red detector. It has a stylish zinc alloy housing with a white polyethylene cover which disguises the viewing position of the adjustable internal detector. Therefore potential intruders are not aware of the area of detection. It is weatherproof and specifically designed for outdoor applications and use with CCTV systems (BS8418 compliant). Remote programmable option via an infra-red key fob.

CAMERAS



External Day-Night Dome Camera Wall Mount

Chubb remotely controlled high speed dome cameras can easily be adjusted by the operator to give the best coverage of an area under surveillance. The system can be configured if required to respond automatically to various detectors connected to it. In this scenario if a detector becomes active the dome will rapidly turn to view the area covered by that detector.

An external 7" wall mounted dome with the following features:

- High resolution 460 line colour camera
- 18 to 1 optical zoom lens
- Digital zoom 12x
- Variable speed between 0.1 degrees to 200 degrees per second pan speed under manual control
- Maximum pan speed of 400 degrees per second on alarm
- Switchable focus with manual over ride
- Switchable auto iris with manual over ride
- 128 pre-sets
- 4 tours
- Integral telemetry receiver
- 24 volt AC operation



Camera Globe Dome Day/Night Hi Res V/F 4-9mm CW IR LEDs

A Chubb robust true day/night dome camera with integral infra red LED illumination and a 4-9mm varifocal direct drive lens.

Integrated LEDs provide illumination up to 30m (outdoor), with no light reflected back on the lens. An intelligent light management facility lowers the LED intensity as objects come closer to the camera, ensuring the image is correctly exposed at all times

3-axis gimble mechanism

This feature greatly enhances the mounting options by allowing mounting directly onto a wall to ensure that the user will achieve the desired views

Varifocal direct drive lens

The 4-9mm lens options give a wide choice when selecting field of view coverage
12V DC/24V AC

IP65

This enables use internally and externally



GENERAL

Sensor: 1/3" Sony Superhad CCD
Resolution: 540/600TVL Colour/B/W
Sensitivity: 0.000 Lux (IR LED on)
Signal/Noise ratio: 48dB (AGC off)
LENS Type: Built-in 4-9mm DC Auto Iris Varifocal



External Fully Functional Day Night Dome Camera, Pole Mount

Chubb remotely controlled high speed dome cameras can easily be adjusted by the operator to give the best coverage of an area under surveillance. The system can be configured if required to respond automatically to various detectors connected to it. In this scenario if a detector becomes active the dome will rapidly turn to view the area covered by that detector.

An external 7" pole mounted dome with the following features:

- High resolution 460 line colour camera
- 18 to 1 optical zoom lens
- Digital zoom 12x
- Variable speed between 0.1 degrees to 200 degrees per second pan speed under manual control
- Maximum pan speed of 400 degrees per second on alarm
- Switchable focus with manual over ride
- Switchable auto iris with manual over ride
- 128 pre-sets
- 4 tours
- Integral telemetry receiver
- 24 volts AC operation

RECORDING EQUIPMENT



RVR USE ONLY Digital Recorder 16 Way with a 1Tb Hard Disk

The Dedicated Micro's SD Range offers the user a high performance, easy to use plug and play DVR used as a video transmitter for RVR systems, fully compliant to BS 8418. The unit has 16 camera inputs with 1Tb hard disk and has selectable record duration, in addition any compatible external SATA storage device can provide further video storage. Offers full telemetry support via coax or serial outputs, multimode recording with dynamically switchable resolution, record rate and compression giving the option of MPEG4 or JPEG per camera.

CONTROL EQUIPMENT



PX/QX RADIO MODULE VISONIC W76W76110 (Bin of Remote Set/Unset Wireless Kit RVR including battery)

A Visonic radio module is connected to the control equipment to enable communication with Visonic 868MHz wireless devices.

POINT EXPANDER

Smart Concentrator 3Amp 8 Inputs 4 outputs for PX/QX/RX

Expands the system by 8 input points and 4 output points with integral 3 amp diagnostic power supply giving 1500mA available current.

Panel Limits:

RX16i = 1

QX18i = 1

QX34i = 3

PX48i = 10

PX500 = 64 x 8 ways, or 128 x 4 ways

Note: For Grade 2 installations this product has a selection link which alters the current split to 1000mA for the battery re-charge and 2000mA for auxilliary current



Concentrator 8 Inputs, 4 Outputs for PX/QX Range

A PX/QX concentrator 8 input expansion device used to increase the capacity of your system.

POWER SUPPLY

PSU 12V DC 1 way for CCTV Cameras

Stand alone 12V DC power supply Plastic Housing intended for 1 camera unit. 230V AC power source required with an unswitched fused spur fitted by others.

- For internal use only or within a weather proof environmental housing.
- 1000m A O/P



KEYPAD



Keypad Proximity Blue LCD circuits PX/QX/RX Range W76254 (Bin of Remote Set/Unset Wireless Kit RVR including battery)

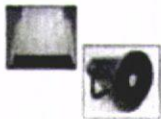
A Chubb PX/QX/RX remote proximity keypad with a blue backlit LCD display finished in white. This keypad has a built in reader for arming and disarming. The keypad is designed to allow localised setting/unsetting of the system from this position.

SOUNDER

SET/UNSET INDICATOR HI VIS FORRVR / NB: 0426330 (Bin of Remote Set/Unset Wireless Kit RVR including battery)

High visibility set/unset indicator housed in a Delta 6 sounder case. this unit shows the status of an intruder alarm system by the High visibility LED. If the system is set it remains on for 10 seconds, if system is unset then it flashes for 10 seconds.

SYSTEM ACCESSORIES



Loudspeaker Horn Type & Amplifier 30W

An amplifier and external loudspeakers are provided to enhance your video transmission system. These will used to either replay a pre-recorded message to intruders, or can be used by the operative at RVR to give a verbal warning.



Loudspeaker Horn Type (additional) 30W

External loudspeakers are provided to enhance your video transmission system. These will used to either replay a pre-recorded message to intruders, or can be used by the operative at RVR to give a verbal warning

Keyboard with joystick for use with SD Range of DVRs

Available as an optional extra the keyboard offers all of the control functionality required to operate the SD DVR.

ACCESSORIES

KEYFOB 4 BUTTON MCT-234 055-519 (Bin of Remote Set/Unset Wireless Kit RVR including battery)

The Visonic Wireless 4 button miniature keyfob is designed to arm and disarm the system. The keyfob uses CodeSecure™ technology which generates a new code each time it is pressed from a possible 100 million combinations, this prevents 'code grabbing' by potential intruders trying to defeat the system. It also incorporates an additional programmable auxiliary button.

Data Protection Signs

Data Protection Standard Signs package

To help comply with the Code of Practice issued by the Data Protection Registrar we offer the Chubb Electronic Security Data Protection Standard Signs Package.

This package has a selection of standard signs in the following sizes

- 1 x A5 window sign
- 2 x A4 Signs
- 1 x A3 sign
- plus a marker pen.

These signs you can mark yourself with details of who runs the system and a contact telephone number.



Radio Module Visonic for PX/QX

A Visonic radio module is connected to the control equipment to enable communication with Visonic 868MHz wireless devices.



Wireless 4 button keyfob Visonic

The Chubb wireless 4 button miniature keyfob is designed to arm and disarm the system. The keyfob uses CodeSecure™ technology which generates a new code each time it is pressed from a possible 100 million combinations, this prevents 'code grabbing' by potential intruders trying to defeat the system. It also incorporates an additional programmable auxiliary button.

SYSTEM SPECIFIC EQUIPMENT

SYSTEM ACCESSORIES

Camera Pole

6 metre tilt down cabinet based camera pole



Demountable Winch Kit

Demountable Winch Kit

Delivery

Pre delivery of template and bolts. Carriage of poles with Hiab.

Camera Pole

6 metre tilt down cabinet based camera pole

Disclaimer**Product Obsolescence**

Should any product specified not be available at the time of installation due to manufacturing restraints or obsolescence, Chubb Electronic Security Limited reserves the rights to substitute this product with a suitable alternative of equal or enhanced specification.

CUSTOMER RESPONSIBILITIES

Mains Power Supplies

It is your responsibility to supply 240v mains connections as outlined in your specification, these will be a combination of 3amp unswitched fuse spurs to power cameras and socket outlets to power control equipment. These need to be available prior to installation.

All monitors, cameras and associated CCTV equipment must be supplied from the same phase of a three phase supply.

If you need clarification of power requirements please contact your Chubb representative.

ADDITIONAL INFORMATION

INSTALLATION

Storage of Equipment delivered to premises

All equipment, plant and tools delivered to the installation premises should be stored safely in clean and dry conditions.

Access to premises

Please insure that the Chubb engineers have clear and safe access to all necessary areas of your premises required for the installation of your system. Health and Safety Regulations dictate that our engineers can not access heights above 4m using standard ladders. Should we be required to reach heights above this safety threshold specialist access equipment may be required, for which additional charges maybe incurred if this has not been allowed for at the time of the survey.

Document Box

A lockable metal Chubb Document Box will be located adjacent to the security system control equipment. On handover all the information required by the engineer for future visits will be housed in the document box for safe keeping. You will be issued with 2 keys which should be issued to the person responsible for the security system. If you have an existing installation without a document box please contact your local Chubb branch.

Sub-contractors

Where applicable, Chubb Electronic Security reserve the right to employ sub-contractors, in accordance with our Inspectorate body requirement for managing sub-contractors.

Existing Equipment

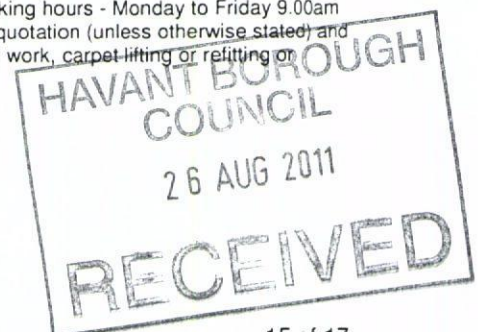
If your system is being upgraded or taken over and at the time of installation, any of the existing equipment or cabling is found to be faulty, not compatible or up to specified standard it will be replaced on a time and material basis.

Control Equipment Location

A suitable location (desk, shelf etc.) will be required for video monitors, associated control, switching and/or recording equipment.

Working Hours

This quotation is subject to installation being carried out during our normal working hours - Monday to Friday 9.00am to 5.00pm, any charge for work outside these hours will be excluded from our quotation (unless otherwise stated) and will be subject to a variation order. It does not cover extraneous work, building work, carpet lifting or refitting or redecorating.



Certificate of Compliance

The Chubb System detailed in the Specification will be installed in accordance with the standard accepted by our Inspectorate body whose Certificate of Compliance will be issued on completion.

Maintenance (if applicable)

The Chubb system will be maintained in accordance with current standards and will receive one maintenance check per annum unless otherwise specified.

Specification Preparation

This Specification has been prepared on information made available to us immediately before the submission of the Quotation. Any alteration to the information may make a variation necessary. We shall not be deemed to have notice of any such alteration unless our attention is drawn to it in writing in which case we will be entitled to submit a revised Quotation.

Cables

All cables throughout the installation will be PVC insulated and be concealed where this can be economically accomplished within the quoted price of the installation, otherwise they will be run neatly on the surface (unless otherwise specified).

Groundwork/ Containment

Any necessary groundwork/ducting/conduit (including fittings) required to allow correct installation of site cables and equipment poles, unless otherwise specified.

Lighting

Please ensure that suitable lighting is provided in all areas to be covered by CCTV. Warning insufficient lighting will adversely affect the operation of your system. Please note certain types of lighting may prevent colour cameras providing an accurate colour representation.

Data Protection Act

The data protection act is designed to prevent recorded images of people that were taken with a CCTV system being shown indiscriminately.

As an operator of a CCTV system that incorporates video recording you are required to notify The Information Commissioner about your system. The Data Protection Act lists mandatory requirements and also suggests procedures that should be followed to conform to the spirit of the Act.

You can find out more from the Office of the Information Commissioner on 01625 545700 or on their web site

<http://www.informationcommissioner.gov.uk/>

GLOSSARY

- Deterrent - Using the presence of CCTV cameras to deter criminal activity.

Assuming an average person is 1.6m tall

- General Observation - a person should fill 10% of screen height
- Recognition of unknown person - a person should fill 50% of screen height
- Identification of known person - a person should fill 120% of screen height

OWNERSHIP

All equipment identified with an asterix (*) in the above equipment and locations table remains the property of CES in accordance with the terms of your contract, all other items will become the property of the customer on full and final payment.

PAYMENT

The price does not include any charges arising from removing and replacing of stock, furniture, carpets, fixtures and fittings which may be necessary.

When returning the signed Agreement would you please include an initial down payment as detailed on your proforma invoice, the balance to be paid on completion of the system.

The quoted price is valid for a period of 30 days from the date of this specification.

If the installation period exceeds 28 days from our initial start date we may require further payments for material on-site and work completed.

