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# Construction Health & Safety Plan (Subject to pre-start meeting)

Christ Apostolic Church  
Highgate Road  
Kentish Town  
NW5 1NT

MBNL

# Construction H&S Plan

Site: A99782 Christ Apostolic Church



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## 1.0 Site Address

Site:	<b>NET Reference: A99782</b>
Site Address:	Christ Apostolic Church, Highgate Rd, Kentish Town, London, NW5 1NT

## 2.0 Contacts/ Appointments

<b>Site Contact:</b>	NET Build Manager : Mark Peploe 07584 220175
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<b>Church Contact:</b>	Church Administrator :
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Client	Principle Designer	H&S Advisor	Principal Contractor
<b>MBNL</b>  <b>Newbury</b>  Contact: Tel: Mob:	<b>NET Coverage Solutions Ltd</b> Craven Court Stanhope Road Camberley Surrey GU15 3BS  Contact: <b>Gary Duke</b> Tel: 01276 854 440 Mob: 07793 202 377	<b>McCreadies</b> St James House 64 Livery Street Birmingham B3 1HA  Contact: <b>Cliff Blake</b> Tel: 01212 367 667 Mob: 07815 418 972	<b>NET Coverage Solutions Ltd</b> Craven Court Stanhope Road Camberley Surrey GU15 3BS  Contact: <b>Matt Gant</b> Tel: 01276 854 440 Mob: 07793 754 820

Civils/Carpentry	Rigging	Electrical/ LP	Steelwork
TBC	TBC	TBC	TBC

Scaffold.	Diamond Driller		
TBC	TBC		

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## 3.0 Site Details

### 3.1 Work Activity:

The works involves the NEW installation of an MBL base station. The installation comprises of 1x Furo cabinet, 2x Huawei BTS cabinets, 1x Samo cabinet and 1x Link A/C cabinet mounted on new steel beams spanning between the tower walls. 6 antenna will be mounted to new steelwork support structures fixed to the rear of the louvered windows.

The existing louvers will be removed and stored on site. Replacement louvers will be constructed of GRP and in installed as direct replacements.

In addition there will be rigging works and electrical works carried out.

### 3.2 Access to Site:

Access to site is to be arranged through the NET Build Manager. No unauthorised/ planned access is permitted. On site access arrangements will be determined at the pre start meeting and Minutes will be distributed to all parties concerned.

### 3.3 Parking:

Parking is NOT available on site, unless pre-arranged with the NET Build Manager

### 3.4 Isolation Details:

Isolation required when connecting temporary power supply and upon removal. All Electrical Works to be carried out by a Qualified Electrician and with agreement of involved parties such as the Church.

### 3.5 Outage requirements:

No Outage Required. This is a New Build.

## 4.0 Drawings

Design ~ A99782 – 100A (201A-202A) (301A-302A) (401A-402A) (501A-502A) (800A)

## 5.0 Construction Roles

### 5.1 The Build Manager

- Ensuring all documentation on site is appropriately and correctly approved
- The Co-ordination of works in accordance with this Method Statement and Sub Contractors Method Statement.
- Ensuring this Method Statement and other relevant documents are briefed to all staff (and method briefing records maintained).
- Ensuring that all works are carried out in line with this Method Statement (and referenced Sub Contractor Method Statements). If changes to the approved arrangements are required, the Build Manager will record the changes in the Amendments Section. Any revision to arrangements shall be briefed to applicable operatives.
- Review, approval and issue of permits
- Ensuring that materials are handled and stored in accordance with COSHH risk assessments (where applicable)
- Hoist and slings to have valid certification on site prior to lifting operations.

### 5.2 Sub Contractor Supervisors

- Compliance with all Health and Safety legislation
- Setting out all Chapter 8, signs & barriers, as required
- Setting out site details in accordance with the construction drawings issued
- Construction of the site in accordance with the Method Statement
- Rig site in accordance with latest CTIL specifications
- Supervision of the site and operatives and the safety of the public where applicable

### 5.3 Briefing requirements:

- The NET Build Manager will brief the Method Statement and all other relevant documents prior to any works commencing.

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## 6.0 Sequence of Works

**Start** – Site induction to all personnel stating safe methods of works and sequence of events

**All methods subject to pre start meeting and agreement with church**

### Scaffold

- Install scaffold to provide access internally to work areas. External not required, subject to pre start meeting

### Civils Work

- Clean pigeon guano and address protection as necessary
- Cut out holes through floors for installation of Electrical Sub main and feeders
- Open up hatches to allow access. Scaffold handrails installed
- Remove timber louvres using hand tools
- Strengthen floors as necessary
- Dig and lay duct from road along church to then enter church as per drawings.

### Steelwork Delivery and Installation

- Deliver steelwork to site
- Install steel support beams for equipment cabinets in equipment room
- Install steel support beams for antennas.
- Scaffold to provide safe working areas

### Cabinet Delivery and Installation

- Cabinet delivery will be by Logistics.
- Unload cabinets from the delivery vehicle using a tail-lift.
- Load cabinets onto a pallet truck and manhandle through church to hoist point.
- Sling equipment and test weight, once confirmed lift into equipment room.
- Land equipment / cabinet, under hoisting point and move under control to steel beams.
- Move into position and bolt down.
- Detailed MS to be determined by logistics team

### Rigging Works

- Install antenna onto steel support beams as per diagrams.
- Install new feeders and fibre onto new cable tray terminate and earth where necessary
- Complete site rig and test

### Electrical Installation

- Install Lightning Protection and associated electrical works to new proposed equipment cabinets in the tower.
- Install new cable tray for new feeders and sub main cables for power supplies.

### GRP Louvres

- Sample louver to be removed and transported to GRP supplier for moulds to be taken
- Replace existing with GRP replicas as per the drawings.

### Diamond Driller

- To drill required holes for running of sub mains cable and transmission cable for BT as required

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## 7.0 Site Specific Requirements

### 7.1 Welfare

The Church welfare facilities may be used by prior arrangement.  
Hand wipes and containers of clean water will be provided in case of emergency.

### 7.2 PPE

**Mandatory PPE will consist of safety boots, hard hat and Hi-Vis vest as a minimum**

Site specific task PPE will consist of:

- Goggles and ear defenders for cutting materials
- Gloves for handling materials

### 7.3 Working Hours

Work will normally be carried out during normal working hours, unless otherwise directed by NET  
Noise levels must be kept to an absolute minimum.

### 7.4 Portable Tools/ Plant

Tools required are outlined in the Sub Contractors Method Statements, all electrical appliances to have valid PAT certification.

### 7.5 Protection of Employers Assets

All works are to be confined to a clearly barriered /signed off area, and only to be entered by NET Staff and Approved Subcontractors, wearing the appropriate safety clothing, and having the correct degree of competency to do so.

### 7.6 Storage

Tools and materials brought to site will be stored within the Church in a safe area. Where possible, all Tools and Materials will be removed from site to reduce the risk of crime and vandalism.

### 7.7 Excavations

BT Dig required (Date TBC).

### 7.8 COSHH

Please refer to individual Method Statements and Appendix 7

### 7.9 Permits to Work

Required for BT Dig to Road-side from Church.

### 7.10 Temporary Lighting

Not envisaged as necessary. However if provided will be positioned with due regard for factors like (but not limited to)

- Dazzle and Glare
- Traffic
- General Public
- Shadows

### 7.11 First Aid

A First Aider will be provided on site. NET Build Managers are trained First Aiders.

### 7.12 Excavation/ Noise and Vibration

Drilling and excavation, during normal working hours.

### 7.13 Accidents, Incidents, Dangerous Occurrences and Reporting of Injuries

The nominated person in charge of site will ensure NET, is informed of any such injuries / accidents. Accidents, Incidents, Dangerous Occurrences will be reported as per NET's ADC Safety Management System and the HSE notified when necessary.

### 7.14 Housekeeping

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All equipment/plant brought to site will be removed when each installation is complete, together with unused materials and any spoil materials. The condition of site is to be in a neat orderly manner, and will be checked each night before leaving.

## 7.15 Working near Water N/A

## 7.16 Archaeology

The presence of an archaeologist is not required during excavations, but if any remains are encountered works are to stop and the Church consulted.

## 7.17 Environment

- Materials will be stored in accordance with their COSHH Assessments and any spillage's notified and cleared up in accordance with their COSHH Requirements.
- Noise will be kept to a practical minimum.
- Dust to be kept to a practical minimum and dampened where necessary.
- Waste will be transported to the sub-contractors yard and disposed into skips. A registered waste carrier will dispose to a licensed disposal facility and where required certification obtained.
- In the event of a spillage or other environmental accident/ incident the NET Build Manager, Mark Peplow 07584 220175 must be informed.

## 8.0 HSE Notification and Contact Details

Project is not Notifiable under current CDM legislation

Not applicable

## 9.0 Emergency Arrangements

### 9.1 Responsibilities

- In the event of an emergency the build manager must be informed. The Build Manager will be the main point of contact during an emergency.
- If the build manager has to leave site a deputy must be appointed
- The nominated person in charge of site will ensure NET is informed of any such injuries / accidents.

### 9.2 Emergency Contact details

#### Emergency Services 999 or 112

Mark Peplow	07584 220175	Build Manager
Brian Gately	07966 561 521	Construction Manager
NET CS Ltd	01276 854 440	Project Office

### 9.3 Local Accident & Emergency Department

Royal Free Hospital  
Pond Street  
London  
NW3 2QG

Distance: 1.2 miles Telephone: 020 7794 0500

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10.0	Control of Asbestos
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## Asbestos register to be reviewed

### However :

- If you see material which you have reason to believe contains asbestos, it has been damaged and you believe that there is a serious risk of exposure to asbestos fibres, you should ask everyone to leave the area and report it to the NET Build Manager.
- The NET build manager will inform the NET office and representatives of the Client immediately.
- Remember not to create more of a risk to people by, for example, causing a panic or leaving something in an unsafe condition.
- No further work should take place until the area is safe and this will be confirmed by NET.
- NET will take appropriate action and ensure that the asbestos has been assessed/ cleaned or removed by a trained, certified person(s) with suitable equipment.



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**11.0 Risk Assessment**

Subject to Pre Start Meeting

<b>Business Unit</b>	NET CS, Macro, C of E	<b>Location</b>	Christ Apostolic Church, Kentish Town	<b>Date:</b>	December 15
<b>Assessor</b>	Mark Peplow	<b>Operation</b>	MBNL Install, New Build, Church	<b>Ref No:</b>	A99782_Rev 01

HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R
Work at height/Rigging	Workforce Site Occupiers Public	4	4	16	<ul style="list-style-type: none"> <li>All works to be carried out by fully qualified riggers.</li> <li>All climbers will be using a harness with double lanyard at all times whilst climbing</li> <li>Should an emergency arise, then a rescue program will be implemented.</li> <li>Operator WAH procedures to be followed.</li> </ul>	1	4	4
Work at height, MEWP/Man Basket	Workforce Site Occupiers Public	3	4	12	<ul style="list-style-type: none"> <li>All lifting equipment is to be inspected prior to use, LOLER certificates to be verified.</li> <li>Qualified operators only to use plant</li> <li>All operatives to wear harness with restraint lanyard (not fall arrest) whilst in basket.</li> <li>Define drop zone to protect 3<sup>rd</sup> parties</li> </ul>	1	4	4

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HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R
Mobile crane operations (if required)	Workforce Site Occupiers Public	4	4	16	<ul style="list-style-type: none"> <li>Contract lift to be used with specialist appointed person managing the lift</li> <li>NET CS to ensure working area is controlled and that other parties are aware of the operation taking place.</li> <li>Site specific lift plan to be in place and adhered to.</li> <li>Defined drop zones to be established and fenced off.</li> <li>Appropriate signs and barriers to be used</li> </ul>	1	4	4
Public Vehicles or Pedestrians in the work area,	Workforce Site Occupiers Public	3	4	12	<ul style="list-style-type: none"> <li>Ensure agreed access route is used, site vehicles not allowed to block access road or car park.</li> <li>Fence using either Heras or Chapter 8 barriers as appropriate</li> <li>Defined storage area to be used by contractors.</li> <li>Site supervisor to liaise with site provider</li> </ul>	1	4	4
Restricted access to traffic and pedestrians	Site Occupiers Public	3	4	12	<ul style="list-style-type: none"> <li>Introduce a Pedestrian/Traffic management plan</li> <li>Ensure plan is communicated to all parties</li> <li>Police/manage to ensure compliance</li> <li>Ensure suitable fencing / signage is implemented to the works area</li> </ul>	1	4	6

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HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R
Substances Hazardous to Health	Workforce	3	2	6	<ul style="list-style-type: none"> <li>All hazardous substances have a separate risk assessment and data sheet. The supervisor has access to these and they will be made known to the workforce at induction.</li> </ul>	2	2	4
Excavations, Underground Services	Workforce	3	4	12	<ul style="list-style-type: none"> <li>Prior to excavations commencing, a permit to dig will be issued by the supervisor</li> <li>If in an area of known services (streetworks, industrial unit, etc) service plans are to be consulted</li> <li>HSG47 Guidance to be communicated to all staff involved in planning and carrying out excavations</li> <li>All areas to be scanned using CAT and Genny prior to excavations commencing.</li> <li>Trial holes and safe digging techniques to be used to locate buried services</li> </ul>	1	4	4
Excavations, Collapse/Falling into.	Workforce Site Occupiers Public	3	4	12	<ul style="list-style-type: none"> <li>Ground conditions to be assessed by supervisor</li> <li>Appropriate trench support to be selected (Refer to standard drawings)</li> <li>If deep excavation or very poor ground conditions, then refer to TW coordinator/designer for trench support design.</li> <li>All excavations to have adequate fencing, either Heras or Capetr 8 Barriers</li> <li>Baulks to be used if vehicles driving to edge of excavation</li> <li>Adequately secured ladders to be used for access/egress</li> </ul>			
Electrical works	Workforce	4	4	16	<ul style="list-style-type: none"> <li>Only qualified electrical engineers to carry out power install and power cable link to cabinets.</li> <li>No work to be carried out on live installations</li> </ul>	1	4	4

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HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R

HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R
Asbestos	Workforce Site Occupiers Public	3	4	12	<ul style="list-style-type: none"> <li>All staff involved in site work to receive asbestos awareness training</li> <li>Asbestos registers to be requested at all premises where ACM's likely</li> <li>Where no register available, a survey is to be instructed to identify presence of ACM's</li> <li>No asbestos containing material (ACM's) to be disturbed/moved by unqualified staff</li> </ul>	1	4	4
Welfare facilities.	Workforce	3	3	9	<ul style="list-style-type: none"> <li>Where possible, an agreement between site providers to share welfare facilities will be sought</li> <li>Where this is not possible and work is of a short duration, then public facilities will be identified and used by work force</li> <li>Where no facilities are available welfare via either an electrically supported chemical toilet or towable facility will be deployed.</li> </ul>	1	3	3
Temporary Works	Workforce	3	3	9	<ul style="list-style-type: none"> <li>Temporary works will be identified at planning stage by project/site manager.</li> <li>Where modular solutions are available these are to be called off and deployed by qualified staff.</li> </ul>	1	3	3
Temporary Works								

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HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R
(Cont'd)					<ul style="list-style-type: none"> <li>Where specialist systems are identified as being required, the designer/TW coordinator will ensure a bespoke solution is deployed.</li> </ul>			

HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R
Non Crane lifting operations	Workforce	3	4	12	<ul style="list-style-type: none"> <li>Ensure that all delivery companies are issued with NET CS template delivery instructions</li> <li>Ensure that LOLER inspections are carried out on all lifting equipment</li> <li>Ensure that a non-crane lifting plan is carried out by the lift supervisor</li> </ul>	1	4	4
Rooftop WAH, Climbing fixed ladders	Workforce	3	4	12	<ul style="list-style-type: none"> <li>Only trained operatives to access rooftops/climb fixed ladders</li> <li>PPE, Harness with double lanyard and chin strap hat to be worn.</li> <li>Handrail to be deployed prior to general work commencing on unprotected rooftops,</li> <li>PPE is last control measure to be relied on whilst working at height.</li> </ul>	1	4	4
Slips, Trips and falls Slips, Trips and falls (Cont'd)	Workforce	3	3	9	<ul style="list-style-type: none"> <li>Ensure good housekeeping practices are established and maintained.</li> <li>Introduce anti-slip matting on roof surfaces or ground where appropriate</li> <li>Use ankle supporting boots</li> </ul>	1	3	3

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HAZARDS	PERSONS AFFECTED	RISK			CONTROL MEASURES (List control measures that are provided and those required)	RISK		
		L	S	R		L	S	R
					<ul style="list-style-type: none"> <li>Define pedestrian management and use barriers/signs.</li> </ul>			
Use of Vibrating Tools	Workforce	3	3	9	<ul style="list-style-type: none"> <li>Trained operatives to be used for all works requiring vibrating tool use.</li> <li>Choose non manual tools if reasonably practicable option available.</li> <li>Use <a href="http://www.operc.com/havtec/">http://www.operc.com/havtec/</a> to establish exposure times for specific tools.</li> <li>Rotate operatives to limit individual exposure.</li> </ul>	1	3	3

High Risk Operation *YES / NO (delete as required)	Temporary Works * YES / NO If Yes – refer to appointed TW coordinator or designer	The above control measures have been implemented Workplace Manager ..... Date .....
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## Likelihood

How often could the hazard occur? Consider the task, frequency, duration, method of work, employees involved.

## Severity

How serious would the hazard's effects be if realised? Consider the type of hazard, biological, ergonomic, physical and chemical.

**Risk = Likelihood x Severity**

E.g. Likelihood (4) X Severity (3) = 12 **HIGH RISK**

RISK RATING = Likelihood (L) x Severity (S)	HAZARD SEVERITY (S)				
	1	2	3	4	5
	<b>Negligible</b> Negligible injury, no absence from work	<b>Slight</b> Minor injury requiring first aid treatment	<b>Moderate</b> Injury leading to a lost time accident	<b>High</b> Involving a single persons serious injury/death	<b>Very High</b> Multiple serious injuries/death
<b>1 Very Unlikely</b> A freak combination of factors would be required for an incident / accident to result	LOW	LOW	LOW	LOW	LOW
<b>2 Unlikely</b> A rare combination of factors would be required for an incident / accident to result	LOW	LOW	LOW	MEDIUM	MEDIUM
<b>3 Possible</b> Could happen when accidental factors are present but otherwise unlikely	LOW	LOW	MEDIUM	HIGH	HIGH
<b>4 Likely</b> Not certain to happen but an additional factor may result in an incident/accident	LOW	MEDIUM	HIGH	HIGH	HIGH
<b>5 Very Likely</b> Almost inevitable that an incident / accident would result	LOW	MEDIUM	HIGH	HIGH	HIGH

<b>LOW RISK</b> (Score 1-6)	May be acceptable, however, review task to see if risk can be reduced further
<b>MEDIUM RISK</b> (Score 8-10)	Task should only proceed with appropriate consultation with specialist personnel and HS&E team. Where possible the task should be refined to take account of the hazards involved or the risks should be reduced further prior to task commencement
<b>HIGH RISK</b> (Score 12-25)	Task must not proceed. It should be redefined further control measures put in place to reduce risk. The controls should be re-assessed for adequacy prior to work commencement.

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## Appendix 1 Principal contractor's health and safety policy statement



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## Appendix 2 – Designers Risk Assessments

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## Appendix 3 - Construction Meeting Notes

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## Appendix 4 – Programme of Works

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## Appendix 5 - Contractors Risk Assessments and Method Statements



**Appendix 6 – Drawings**

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Appendix 7 - COSHH Sheets (when not contained within specific method statements)

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## Appendix 8 - Permits to work



**Appendix 9 – F10**



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**Method Statement Agreed and Approved by**

**Author:**

**Name:** Mark Peploe

**Position:** Build Manager

**Date:** 08<sup>th</sup> December 2015

**Signature:**

**Project Manager Approval:**

**Name:** Matt Gant

**Position:** Construction Manager

**Date:** 08<sup>th</sup> December 2015

**Signature:**







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## Method Statement Amendments

**Amendments:** This section may be used by the Site Supervisor to record any changes to the above planned arrangements.

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Nearest Accident & Emergency Hospital Royal Free Hospital. :  
020 7794 0500