External Access Riser Methodology
Planning Condition 7
Condition Number 136162/FO/2023

GENERAL HERITAGE MANAGEMENT PRINCIPLES

All significant interventions notified and preceded through documentary research and detailed visual and if necessary, physical investigation.

Works will be planned to ensure minimum intervention and disturbance to the fabric of the building. Proposed works will be evaluated and for their potential impact on the fabric of the building and notified accordingly.

Intervention works have been carefully considered and justified in terms of its necessity as a repair, an adaptation which better reveals it's significance, or an enhancement which extends is sustainable use.

Interventions to the fabric which protect or better reveal the buildings heritage will be encouraged, and change which could cause unmitigated harm to the significance of the building will be avoided.

Every element of the works will be completed sympathetically by competent operatives with a proven track record of working within a Grade ll Listed environment. The project culture of care, consideration and preservation of the buildings heritage will be maintained.

This culture will be administered via contractor selection, induction, and relevant toolbox talks throughout the duration of the project.

If required, the heritage consultant will be engaged as works progress to mitigate any detrimental effect on the heritage components of the building.

Before any works commence, the management team will carry out a review of the work area to understand the building fabric within and adjacent to the space.

METHODOLOGY

Site set up

• All operatives to report to site office for site specific safety induction by the main contractor where all operatives are to produce all relevant safety passports
• Operatives also to be briefed by BSSL Supervisor/Manager in regards to the methodology contained within this document
• Large Plant to be stored in agreed area until required
• All Plant and Equipment must be unloaded ensuring all test certification is inspected and copies produced to the client for their records
• Note: All Plant/Equipment is to be inspected by each operator on a daily basis prior to commencing work, results must be recorded in the plant or equipment inspection registers, if any defects are apparent inform supervision who will take appropriate action to remove from site and replace
• Steel delivery to banked into work area

Steelwork to be manually offloaded

• Note: Ensure operatives refer to the manual handling section contained within this document
• Prior to deliveries/collections inform the client of approximate date/time
• Prior to unloading the delivery driver should apply the handbrake and turn off the engine before leaving the cab ensuring appropriate PPE is worn, on leaving the cab the driver/banksman should conduct a visual check of the load to ensure no movement of the load as occurred during transportation and set-up an exclusion zone for other contractors for use during the unloading process and monitor at all times
• If assured of the stability of the load then the driver should now remove the straps, these are to be released each in turn analysing any movement and also the stability of the load as progression is made (If in doubt stop and seek

advice)
• All members are piece small, lightweight and can be manually off loaded from the vehicle bed
• All operatives performing off load procedure must hold current manual handling certification
• If operatives are in doubt towards any safety issues surrounding offloading items manually, they should not proceed until mechanical means have been provided
• Before proceeding to offload operatives must check the route of passage to ensure it is clear of obstruction and the ground is firm and level
• Whenever possible operatives must lift loads in tandem to reduce weight and increase stability
• Banksman to monitor operations and ensure no one obstructs operatives throughout the off-load process
• All loads to be placed on timber skids or pallets once clear from the vehicle bed
• This process is to be repeated until all materials have been unloaded/loaded Transfer to the workface via Turn-Table-Truck
• Members o be taken as far as practically possible using turn table trucks and site lifts/hoist but in some instances members may simply be manually taken to the work face
• Transfer to the workface via Turn-Table-Truck
• Ensure Trucks are not overloaded at any time
• Check SWL of Trucks prior to loading them
• Ensure 2 number skids are placed on the truck to alloy forks/slings to be removed or applied easily. Skids should be of a similar size and not overhang the sides of the truck
• Before proceeding to transfer the load the route of passage must be checked for obstruction and segregated to stop personnel breaching the transfer route
• Should loads exceed the length of the truck a banksman will be required to monitor the load throughout the transfer
• Upon arrival at the required location, a suitable place should be approved by the client store all steel that in turn suits the erection sequence to eliminate multiple movements of loads
• Banksman should lay down suitable skids on a firm/level surface before offloading the truck onto the skids; the banksman should visually inspect the area to ensure of no obstructions before transferring the load onto the skids at ground level

Tools, plant and equipment
All equipment or tools brought on to premises will be of sound construction and will meet the statutory requirements applicable to these tools or equipment. Refer to risk assessment specific control measures for any tools & equipment.

Hand tools
• Holding and clamping tools
• Hammers
• Chalk Lines
• Tape Measures
• Podger/Spanners
• Ratchets
• Lasers

Power tools (Battery and/or 110v)
• Impact Wrench
• SDS Drill
• Magnetic Drill
• Pistol Drill
Access (Fixed Scaffold)

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Prepwork

Drilling and marking out concrete

• Works consist of the site drilling throughout the project to form connection points for new steelwork
• Access at height via Scaffold
• Note: Access and equipment is to be delivered and unloaded ensuring all test certification is inspected and copies produced to the client for their records. All plant and equipment are to be inspected by each operator on a daily basis prior to commencing work
• Ensure adequate cordon is in place around the work area on to prevent operatives and 3rd parties being exposed to debris created during the drilling process
• Ensure all operatives are fully briefed about the task at hand before proceeding to carry out work on site
• Details of each section of work can be found on the supplied GA and detail drawings
• All drilling procedures will commence with preparation works
• Operatives will utilise the provided GA drawings to map out the locations of all required holes
• The information gathered from GA drawings will then be transferred onto relevant existing concrete using small hand tools such as chalk lines and tape measures etc.
• Once marking is complete operatives will utilise the 110-volt SDS drills with the specified cutters to form the required holes
• SDS Drills must be used as per outlined in the manufacturer's instructions at all times, with all specified PPE worn at all times throughout the project
• Operatives must collect any debris created throughout the drilling process with progression and remove from site when appropriate to do so
• When drilling at height operatives must utilise provided access and ensure adequate cordon has been put in place to prevent any personnel from passing beneath the work area.
• If the cordon is breached ensure all works cease immediately, only recommencing once the area is once again clear
• Upon completion of each area, ensure the workface is cleared of all redundant materials and debris, remove all plant and equipment from the area before removing any barriers and opening up the area as complete and repeating with the next

DRILLING NOTES >>>

• The cord to be carefully laid out so that it cannot trip the person using the drill or hinder 3rd parties
• Always wear safety goggles to protect the eyes
• Never operate or stand in close proximity to any drill this without eye protection
• The person using the drill should space their feet apart. This helps the person balance and lean into the drill, applying his weight safely
• Insert anchor bolts as per manufactures instruction

Steelworks

Erecting steel frame

• Note - positioning of all members will be shown on provided GA and detail drawings – Operatives are trained steel erection specialists and are competent in using GA drawing to work out positioning and sequencing to suit site conditions
• Steelwork marks to be identified
• Works to commence on lower levels working up to completion completing a similar scope of works on each floor
• All steel is to be installed manually from scaffold access
• Bean spanning face of void to be installed first - Operative's to lift in position as per GA in line with previously installed anchor bolts before applying nuts to secure before releasing
• Ensure all lifting is completed by certified personnel- Although members are piece small operatives to work in tandem whenever possible to reduce the load and increase stability
• As progression is made installing beams stability to be further secured with intermediate tie members thus forming a rigid structure/grid which will brace it's self laterally
• Each grid is to be formed by first installing appropriate tie beams between previously installed beam and the existing wall

• Note all beams/Ties/Braces to be lifted into position manually .
• If mechanical aids are required stop and speak to your supervisor. Never attempt to lift beyond your capability's or beyond legal limitations
• Each new tie member is to be installed using the same procedure ensuring all bolts are fitted correctly before releasing for
progression to the next in turn
• To complete a grid and assure stability in all axis then the remaining flooring panels of each section are to be installed to complete each section
• Once again ensure each member is lifted safely .
• Once in position between the previously installed beams then all bolts are to be fitted correctly before releasing for progression to the next until all have been installed to form a completed grid of steelwork with full stability in all axis
• Repeat up until completion
• As works progresses, steelwork to be plumbed, lined and levelled upon completion of steelwork
• Upon completion of each section of steelwork a competent person is to visually check all bolts are tight/fitted correctly before carrying out a final check of the line and level of the new structure and handing over in turn as complete
• Upon completion of all ensure the site is cleared of all redundant materials and debris, remove all plant and equipment from site before opening up the area to other contractors/personnel and signing off any permits to work

DRAWING REGISTER

The documents detailed below are included within this submission.

Drawings

2317-001-BSSL-ZZ-DR-S-GA1 External Riser 1 to 14 Levels
Revision: C
240806_SLH-ANO-P0-XX-DR-A-SK20601B Bay Study Section 01 – External Riser
Revision: P01
SUN-EOC-V1-ZZ-DR-S-4201 External Riser Typical Sections
Revision: C02
SLH-ANO-P0-XX-DR-A-05404_General Arrangement Elevation West Elevation Rear
Revision: P01

Other

RAL7044_Example