



# STEEL FABRICATIONS (MARTOCK) LTD

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## METHOD STATEMENT FOR STEEL ERECTING

|              |         |                       |       |      |            |
|--------------|---------|-----------------------|-------|------|------------|
| DOCUMENT REF | 107RAMS | REVISION (if applic') | REV A | DATE | 24/04/2026 |
|--------------|---------|-----------------------|-------|------|------------|

*This Method Statement may only be altered, to suit unforeseen conditions, by the senior erector nominated herein, after consultation with the writer.*

|                         |                                                  |                |            |
|-------------------------|--------------------------------------------------|----------------|------------|
| PROJECT                 | MASTERS LODGE - STAIR CARRIAGES                  | JOB NUMBER     | H107       |
| MAIN CONTRACTOR         | RIGG CONSTRUCTION                                |                |            |
| SITE MANAGER            | LYON MARKHAM                                     | CONTACT        | [REDACTED] |
| SITE ADDRESS / LOCATION | MALBOROUGH COLLEGE, MALBOROUGH, WILTSHIRE        |                |            |
| DESCRIPTION OF WORKS    | LIFT AND ERECT MULTIPLE STRUCTURAL STEEL MEMBERS |                |            |
| AGREED START DATE       | W/C 27TH APRIL 2026                              | PERIOD ON SITE | 1 - 2 DAY  |
| SITE TYPE / CONDITIONS  | NEW BUILD STRUCTURE / HARDSTANDING SURFACES      |                |            |

|                                                                                                                                                   | MINIMUM QUALIFICATIONS                                                                                             | NAME         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------|
| CRANE SUPERVISOR / SENIOR ERECTOR<br><i>Nominated person for responsibility to manage and monitor all activities and risks identified in RAMS</i> | CITB 2 DAY SITE SUPERVISOR / CPCS<br>CRANE SUPERVISOR / MEWP OPERATOR /<br>SLINGER + BANKSMAN / CSCS STEEL ERECTOR | JAMIE MURPHY |
| DEPUTY (IN SHORT TERM ABSENCE OF ABOVE)                                                                                                           | CPCS SLINGER+BANKSMAN /<br>MEWP OPERATOR / CSCS STEEL<br>ERECTOR                                                   |              |
| ADDITIONAL ERECTORS                                                                                                                               | CPCS SLINGER+BANKSMAN /<br>MEWP OPERATOR / CSCS STEEL<br>ERECTOR                                                   |              |

|                              |             |         |            |
|------------------------------|-------------|---------|------------|
| METHOD STATEMENT PREPARED BY | ANDY ALLMAN | CONTACT | [REDACTED] |
|------------------------------|-------------|---------|------------|

|                                                                              |        |              |
|------------------------------------------------------------------------------|--------|--------------|
| SENIOR ERECTOR<br>(ALL PERSONS NAMED BELOW<br>HAVE BEEN BRIEFED ON CONTENTS) | NAME   | JAMIE MURPHY |
|                                                                              | SIGNED |              |

| I/WE ACCEPT AND ACKNOWLEDGE CONTENT OF DOCUMENT: |  |        |  |
|--------------------------------------------------|--|--------|--|
| NAME                                             |  | SIGNED |  |
| NAME                                             |  | SIGNED |  |
| NAME                                             |  | SIGNED |  |

**COPY TO BE SIGNED AND GIVEN TO SITE MANAGER UPON ARRIVAL ON SITE PRIOR TO COMMENCEMENT OF WORK**

## **SECTION A - METHOD OF OPERATIONS**

### **1) PROJECT DETAILS AND OBJECTIVES:**

- ~ THE PROJECT IS TO CONSTRUCT THE STEEL FRAMEWORK WITHIN THE MASTERS LODGE AT MALBOROUGH COLLEGE, MALBOROUGH, WILTSHIRE ON BEHALF OF RIGG CONSTRUCTION. THIS REVISION OF THE RAMS IS FOR THE INSTALLATION OF THE INTERNAL STAIR CARRIAGES
- ~ STEEL TO BE ERECTED TO MEET THE STRUCTURAL STEEL PROJECT SPECIFICATION REQUIREMENTS AND TO THE TOLERANCES DEFINED IN THE NATIONAL STRUCTURAL STEEL SPECIFICATION 5TH EDITION.
- ~ ERECTION OF STEEL TO BE CARRIED OUT IN ACCORDANCE WITH THE CODE OF PRACTICE FOR SAFETY IN ERECTING STRUCTURAL FRAMES, HSE DOCUMENT REF GS/28/2+3 AND BCSA ERECTION OF LOW RISE STEEL FRAMES GUIDELINES.
- ~ THIS STEELWORK IS INTENDED TO BE ERECTED IN ONE VISIT.

### **2) SIGNIFICANT RISKS OF OPERATION:**

- ~ THE ERECTION OF STEEL INVOLVES SEVERAL OPERATIONS THAT MAY BE CONSIDERED OF MEDIUM TO HIGH RISK. THESE INCLUDE WORKING AT HEIGHT, MECHANICAL LIFTING OF MATERIAL, MANUAL HANDLING, UNLOADING OF VEHICLES AND HOT WORKS AS WELL AS GENERAL CONSTRUCTION SITE RISKS APPLICABLE TO ALL TRADES.
- ~ RISK ASSESSEMENTS ARE TO BE CARRIED OUT FOR EACH OF THESE RISKS AND CONTROL MEASURES UNDERTAKEN TO LOWER AND ELIMINATE THE RISK WHERE POSSIBLE. SEE ATTACHED RISK ASSESSMENT.

### **3) STEEL ERECTING PERSONNEL:**

- ~ STEEL FABRICATIONS WILL PROVIDE 1X SITE / LIFTING SUPERVISOR AND UP TO 2X STEEL ERECTORS AS LISTED ON PAGE 1. MINIMUM QUALIFICATIONS AS LISTED.
- ~ STEEL ERECTING TO BE CONTROLLED BY STEEL FAB'S APPOINTED SITE SUPERVISOR (AS NOTED ON PAGE 1) REPORTING DIRECTLY TO THE STEEL FAB'S PROJECT MANAGER (A.ALLMAN). ANY CHANGES TO PERSONNEL WILL BE NOTIFIED AT THE EARLIEST OPPORTUNITY TO THE RIGG SITE AND PROJECT MANAGERS.
- ~ CSCS CARDS AND ALL CERTIFICATION FOR OPERATING PLANT (INC TEST CERTS ETC) TO BE PRESENTED DURING SITE INDUCTION TO SITE MANAGER FOR CHECKING AND TO CONFIRM COMPETENCY OF PERSONS.

### **4) PLANT AND TOOLS TO BE USED:**

- ~ THE MAJOR PLANT EQUIPMENT TO BE USED WILL BE A TELEHANDLER FORKLIFT (PROVIDED BY RIGG)
- ~ OTHER EQUIPMENT TO BE USED WILL INCLUDE PETROL POWERED WELDER/GENERATOR SET, HANDTOOLS AND 110V POWERED IMPACT WRENCHES AND DRILLS.
- ~ REFUELLING OF PETROL/DIESEL EQUIPMENT/PLANT WILL TAKE PLACE IN A DESIGNATED LOCATION OF SITE AS DEFINED BY THE RIGG SITE PLAN.
- ~ PLANT AND EQUIPMENT TO BE OPERATED BY TRAINED AND QUALIFIED PERSONS ONLY WITH THE LEVEL OF COMPETENCY TO BE CSCS/CPCS STANDARD.
- ~ ALL PLANT TO BE PROVIDED WITH CERTIFICATION TO THE APPROPRIATE INDUSTRY STANDARD WHICH WILL INCLUDE LOLER FOR LIFTING EQUIPMENT AND PAT TESTING FOR ALL ELECTRICAL EQUIPMENT. COPY OF CERTIFICATION TO BE PRESENTED TO RIGG SITE MANAGER FOR RECORD AND INSPECTION PRIOR TO USE OF EQUIPMENT.

**5) SITE SET UP AND FACILITIES REQUIRED:**

- ~ SITE TO BE SET UP BY RIGG TO PROVIDE A SAFE WORKING ENVIRONMENT WITH ADEQUATE ROOM FOR MATERIAL STORAGE AND PLANT OPERATION TO ALLOW THE SAFE ERECTION OF THE STEEL FRAMEWORK TO TAKE PLACE.
- ~ ACCESS TO THE SITE IS REQUIRED FOR DELIVERY VEHICLES.
- ~ SEGREGATION ROUTES TO BE PROVIDED BY RIGG IN THE FORM OF SIGNAGE AND SOLID BARRIERS FOR PEDESTRIAN TRAVEL TO SEPERATE PERSONS FROM VEHICLE ACCESS ROUTES.
- ~ THE AREAS BENEATH AND ADJACENT TO THE WORK AREA WILL BE AN EXCLUSION AREA FOR ALL PERSONS OTHER THAN THOSE INVOLVED IN THE ERECTION PROCESS AND DIRECTLY UNDER THE CONTROL OF THE STEEL FAB SITE SUPERVISOR. EXCLUSION ZONE ESTABLISHED BY USE OF SOLID BARRIERS AND SIGNAGE PROVIDED BY RIGG.
- ~ IF ANY UNAUTHORIZED PERSONS ENTER THE EXCLUSION ZONE, THE ERECTING PROCESS WILL BE TEMPORARILY HALTED UNDER THE PERSON IS REMOVED BY RIGG FROM THE ZONE.
- ~ FULL WELFARE FACILITIES AND FIRST AID EQUIPMENT TO BE PROVIDED BY RIGG INCLUDING CANTEEN AREA, TOILETS, DRYING ROOMS ETC. STEEL FABRICATIONS SUPERVISOR AND ERECTORS TO MAKE THEMSELVES FAMILIAR WITH THE LOCATION OF THESE FACILITIES DURING THE SITE INDUCTION PROCESS.

**6) PRE COMMENCEMENT OF ERECTING OPERATIONS:**

- ~ UPON ARRIVAL AT SITE, ALL OPERATIVES TO REPORT DIRECTLY TO THE SITE OFFICE AND TO RECEIVE A RIGG SITE SPECIFIC INDUCTION FOR THIS PROJECT.
- ~ ANY RELEVANT PERMITS TO WORK TO BE ISSUED BY THE SITE MANAGER.
- ~ PRIOR TO ANY ERECTING OPERATIONS (INCLUDING UNLOADING) SITE SUPERVISOR TO GIVE BRIEF TO ALL INVOLVED PARTIES ON METHOD STATEMENT AND RISKS.
- ~ METHOD STATEMENT TO BE FULLY FILLED IN AND ALL PARTIES TO SIGN ACKNOWLEDGMENT. SIGNED COPY TO BE GIVEN TO SITE MANAGER.
- ~ ALL ERECTING STAFF TO PUT ON FULL PPE INCLUDING HI VIS, SAFETY BOOTS, HELMET, PLUS GLOVES AND EYEWEAR PROTECTION IF REQUIRED BY CLIENT STANDARDS.
- ~ SITE SUPERVISOR TO WALK AROUND SITE AREA AND TO REPORT IMMEDIATELY ANY ISSUES OR CONCERNS TO THE SITE MANAGER TO AMEND BEFORE WORK COMMENCES.
- ~ RIGG TO ADVISE SITE PROCEEDURE AND CONTACT DETAILS FOR EMERGENCY SITUATIONS THAT MAY OCCUR ON SITE BUT IT IS EXPECTED THAT THE STEEL FAB SITE SUPERVISOR WILL REPORT ANY SUCH SITUATION AT THE EARLIEST OPPORTUNITY TO THE SITE MANAGER IN THE FIRST INSTANCE AFTER ENSURING THE IMMEDIATE SAFETY OF THE PERSONS INVOLVED IN THE INCIDENT.

**7) USE OF TELEHANDLER FORKLIFT:**

- ~ A TELEHANDLER TYPE FORKLIFT WILL BE USED TO ASSIST WITH THE UNLOADING AND DISTRIBUTION OF STEEL FROM THE DELIVERY VEHICLE TO FLOOR LEVELS
- ~ FORKLIFT AND OPERATOR WILL BE PROVIDED BY RIGG. ALL LIFTS TO BE CONTROLLED BY SITE BASED CSCS LIFTING SUPERVISOR WORKING TO THE LIFT PLAN WRITTEN BY THE RIGG APPOINTED PERSONS FOR LIFTING OPERATIONS.
- ~ FORKLIFT TO BE OPERATED BY A RIGG CPCS/NPORS QUALIFIED OPERATOR WITH TRAINING FOR THE TYPE/MODEL OF FORKLIFT BEING USED.
- ~ AREA ADJACENT TO BUILDING PLAN TO BE CLEARED OF ALL OBSTRUCTIONS PRIOR TO FORKLIFT AND DELIVERY ARRIVAL.
- ~ FORKLIFT OPERATOR TO PRESENT ALL LOLER CERTIFICATION FOR FORKLIFT AND LIFTING TACKLE TO LIFT SUPERVISOR AND SITE MANAGER FOR INSPECTION AND RECORD.
- ~ FORKLIFT TO BE USED IN ACCORDANCE WITH MANUFACTURERS OPERATION MANUAL AND WITH OUTRIGGERS WHERE FITTED POSITIONED AWAY FROM ANY IDENTIFIED UNDERGROUND FEATURES. JIB LENGTH TO BE KEPT TO MINIMUM EXTENSION REQUIRED BY OPERATOR TO REACH FURTHERST REACH POSITION REQUIRED. ALL SLEWING AND MOVEMENT OF THE FORKLIFT TO BE CONTROLLED BY OPERATOR UNDER CONTROL OF BANKSMAN. LIFT SUPERVISOR TO CARRY OUT 5 POINT SAFETY CHECK AND FORKLIFT OPERATOR TO CARRY OUT TEST LIFT PRIOR TO ANY MATERIAL LIFTING.
- ~ A SPECIFICALLY DESIGNED AND TESTED LIFTING DEVICE MAY BE FITTED TO THE FORKS TO ALLOW THE SUSPENSION OF MATERIAL BENEATH THE FORKS VIA STROPS OR CHAINS.

**8) DELIVERY AND UNLOADING OF MATERIALS:**

- ~ STEEL TO BE DELIVERED IN 1NO LOAD ON SHORT RIGID CHASSIS LORRY.
- ~ UPON ARRIVAL AT SITE, DELIVERY VEHICLE DRIVER TO REPORT TO SF SITE SUPERVISOR BEFORE BEING ESCORTED INTO THE SITE AREA UNDER THE GUIDANCE OF BANKSMEN.
- ~ AT SITE AREA, VEHICLE TO MONUVERE AND REVERSE INTO REQUIRED LOCATION FOR UNLOADING.
- ~ SEE SECTION H FOR DETAILS OF ACCESS TO LOAD BY ERECTORS.
- ~ STEELS TO BE UNLOADED BY USE OF FORKLIFT AND LAID ON TIMBER BEARERS IN AGREED STORAGE AREAS AT GROUND LEVEL ON THE COMPACTED STONE / CONCRETE SLAB SURFACES PROVIDED.
- ~ DELIVERY VEHICLE TO LEAVE SITE AFTER UNLOADING.

**9) ACCESS TO CONNECTIONS ABOVE GROUND FLOOR LEVEL:**

- ~ WORKS TO BE ACCESSED VIA SCAFFOLDING PROVIDED BY RIGG.

**10) COMPLETION OF STEEL ERECTION AND HANDOVER TO RIGG:**

- ~ THE STEEL FRAMEWORK WILL BE COMPLETED AND HANDED OVER TO A RIGG REPRESENTATIVE AT THE COMPLETION OF ALL ERECTING PROCESSES AND WHEN ALL STEEL FOR THE COMPLETE STRUCTURE IS IN PLACE. SECTIONAL HANDOVER IS NOT PLANNED FOR THIS STRUCTURE.
- ~ UPON COMPLETION OF ERECTING, WORKING FROM ONE END OF THE STRUCTURE TO THE OTHER, THE STEEL WILL BE CHECKED AND ADJUSTED TO MEET THE TOLERANCE REQUIREMENTS OF THE NSSS 5TH EDITION STANDARDS AND THE PROJECT SPECIFICATION.
- ~ STEEL WILL BE OFFERED FOR CHECKING OF ALL TOLERANCES AND THEN A HANDOVER CERTIFICATE WILL BE COMPLETED AND SIGNED BY THE STEEL FAB SUPERVISOR AND AN AUTHORIZED REPRESENTATIVE OF RIGG. COPY TO BE GIVEN TO SITE MANAGER FOR RECORD.
- ~ ALL COLUMNS TO BE GROUTED BY OTHERS IN ACCORDANCE WITH THE PROJECT SPECIFICATION.

## **SECTION B - SUMMARY OF COMPANY GENERAL POLICY STATEMENT**

### **STEEL ERECTING AND SITE OPERATIONS**

Full details are available in the Steel Fabrications Ltd Health & Safety policy document but can be briefly summarized for ease of reference as follows:-

#### **Work at heights:**

- 1 All works to be planned and organized with all operatives given appropriate training
- 2 Works at height to be accessed using suitable equipment only as identified in Method Statement

#### **Manual Handling:**

- 1 All employees must use accepted techniques when manually handling material and equipment
- 2 No employee should attempt to lift any load beyond their physical ability
- 3 Where load is above 20kg per man, suitable lifting equipment will be used as identified in job specific method statement and risk assessment

#### **Noise:**

- 1 Ear defenders are available to all employees to use in any area with noise levels of up to 80 dB
- 2 Ear defenders must be worn by all employees working in any areas with noise levels above 85 dB

#### **Method Statements and Risk Assessments:**

- 1 No works must take place on site without a prior assessment of the works and issue of a site specific Method Statement and Risk Assessment
- 2 MSRA will be prepared by the Contracts manager or Managing director and will be relayed to all operatives on site by the project site supervisor prior to commencement of works

#### **Personnel Protective Equipment:**

- 1 All employees will be issued with PPE suitable for the tasks to be undertaken and in accordance with the client's minimum site requirements
- 2 All employees must wear the PPE provided at all times whilst working on site

A full copy of the Steel Fabrications (Martock) Ltd company Health & Safety policy will be made available to all sites upon request.

## **SECTION C - ACCESS EQUIPMENT AND WORKING AT HEIGHT**

| <b>1) SELECTION OF ACCESS EQUIPMENT TYPE</b>                          |                                                       | <b>YES / NO</b> |
|-----------------------------------------------------------------------|-------------------------------------------------------|-----------------|
| <b>SPECIFIED SAFE SYSTEM OF ACCESS EQUIPMENT TO BE USED FOR WORKS</b> | Mobile Elevated Work Platform ('Cherry Picker' type)  | NO              |
|                                                                       | Mobile Elevated Work Platform ('Scissor lifter' type) | NO              |
|                                                                       | Mobile Scaffold Tower / Podium tower                  | NO              |
|                                                                       | Fixed Scaffold                                        | YES             |

| <b>2) SELECTION OF MEWP TYPE REQUIRED</b>                                                                                     |                 | <b>YES/NO</b> |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|
| <b>MEWP OPERATING SURFACE CONDITIONS (MAIN CONTRACTOR REQUIRED TO PROVIDE A FIRM LEVEL SURFACE FOR MEWPS TO OPERATE UPON)</b> | COMPACTED STONE | N/A           |
|                                                                                                                               | CONCRETE SLAB   | N/A           |
|                                                                                                                               | TARMAC          | N/A           |
|                                                                                                                               | OTHER           | N/A           |

|                                                               |           |
|---------------------------------------------------------------|-----------|
| <b>MAXIMUM WORKING HEIGHT REQUIRED</b>                        | <b>1M</b> |
| <b>MAXIMUM REACH REQUIRED (FROM CENTRE OF MEWP BASE UNIT)</b> | <b>1M</b> |

|                                      |             |                                       |             |
|--------------------------------------|-------------|---------------------------------------|-------------|
| <b>CLOSED UNIT WIDTH RESTRICTION</b> | <b>NONE</b> | <b>CLOSED UNIT HEIGHT RESTRICTION</b> | <b>NONE</b> |
|--------------------------------------|-------------|---------------------------------------|-------------|

|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| <b>TYPE OF MEWP SELECTED TO CARRY OUT SPECIFIED WORKS</b> | <b>MEWPS NOT REQUIRED</b> |
|-----------------------------------------------------------|---------------------------|

## SECTION D - RISK ASSESSMENT - GENERAL HAZARDS

*Calculation of Risk Score:*

| Likelihood |                                                       |       |
|------------|-------------------------------------------------------|-------|
| Title      | Description                                           | Score |
| Probable   | Likely to occur several times in the relevant period. | 3     |
| Occasional | Likely to occur at least once in the relevant period. | 2     |
| Remote     | Unlikely to occur in the relevant period.             | 1     |

| Severity     |                                                                          |       |
|--------------|--------------------------------------------------------------------------|-------|
| Title        | Description                                                              | Score |
| Catastrophic | Death or total systems loss.                                             | 5     |
| Critical     | Major injury or illness.<br>Major damage.<br>Major environmental impact. | 4     |
| Serious      | Loss of time/injury.<br>Illness or damage.<br>Environmental impact.      | 3     |
| Marginal     | First aid accident.<br>Routine maintenance repair.                       | 2     |
| Negligible   | Very minor.<br>Little consequence.                                       | 1     |

|            | Catastrophic                                                                                                                                                                  | Critical | Serious | Marginal | Negligible |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|------------|
| Frequent   | 15                                                                                                                                                                            | 12       | 9       | 6        | 3          |
| Occasional | 10                                                                                                                                                                            | 8        | 6       | 4        | 2          |
| Rare       | 5                                                                                                                                                                             | 4        | 3       | 2        | 1          |
| Score      | Actions (All risks must be eliminated or reduced as far as is reasonably practicable)                                                                                         |          |         |          |            |
| 10 +       | Very High Risk - Not acceptable. Apply mitigation to eliminate or to further reduce the risk.                                                                                 |          |         |          |            |
| 5 to 9     | High Risk - Apply mitigation to eliminate or reduce the risk, and if it remains a high risk, develop robust control measures to limit and manage the effects of any hazards.  |          |         |          |            |
| 1 to 4     | Low Risk - May be accepted if all reasonably practicable control measures are in place, however, if more can be done to reduce or eliminate the risk, then it should be done. |          |         |          |            |

| ACTIVITY                                                                       | RISK DESCRIPTION                                                             |                       | CONTROL MEASURES                                                                                                                                                                                                                                                                                                                                         |                      |   |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|
| <b>Handling/lifting material (including unloading and erecting operations)</b> | Injury to any personnel in vicinity caused by falling or slipping materials. |                       | 1. Avoid manual handling of items greater than 20kg per man. All operatives have<br>2. All operatives have received training and will follow guidelines for safe lifting.<br>3. Use specified crane or other mechanical lifting equipment of suitable capacity for load.<br>4. Hoisting area to be agreed with site agent and barriered / marshaled off. |                      |   |
| <b>Pre control Risk Likelihood:</b>                                            | 3                                                                            | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                        | <b>Risk Score:</b>   | 9 |
| <b>Risk score with controls:</b>                                               | 1                                                                            | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                        | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>                                                | N                                                                            | <b>Operatives:</b>    | Y                                                                                                                                                                                                                                                                                                                                                        | <b>Other trades:</b> | Y |

|                                  |                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |   |
|----------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|
| <b>Working at heights</b>        | Injury to personnel falling.<br>Injury to others at ground level.<br>Falling materials / tools / debris. |                       | 1. Do not over reach on specified safe working system (as listed page 2).<br>2. Do not carry excess tools, fixings etc.<br>3. All material to be supported securely until fixed permanently in place.<br>4. Use fixed length lanyard + safety harness system whilst operating MEWP at all times<br>5. MEWPS to be operated by IPAF/CPCS qualified operators.<br>6. Exclusion zone for all other trades in place at ground level (by means of solid barriers) |                      |   |
| <b>Risk Likelihood:</b>          | 3                                                                                                        | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Risk Score:</b>   | 9 |
| <b>Risk score with controls:</b> | 1                                                                                                        | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>  | N                                                                                                        | <b>Operatives:</b>    | Y                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Other trades:</b> | N |

|                                                                       |                                                                 |                       |                                                                                                                                                                                                                                                                                                                                                                                                       |                      |   |
|-----------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|
| <b>General operations including cutting, grinding or welding etc.</b> | Potential for cuts, bruises and damage to hearing and eyesight. |                       | 1. Hard hats, Safety boots, Hi vis, gloves and glasses to be worn at all times.<br>2. Hot works permit issued before start of work.<br>3. Additional PPE including goggles, face masks and welding gauntlets to be used for all hot works tasks.<br>4. 2no fire extinguishers to be kept in close proximity to hot works.<br>5. Solid screens to be erected to protect welding area from other trades |                      |   |
| <b>Risk Likelihood:</b>                                               | 2                                                               | <b>Risk Severity:</b> | 2                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Risk Score:</b>   | 4 |
| <b>Risk score with controls:</b>                                      | 1                                                               | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>                                       | N                                                               | <b>Operatives:</b>    | Y                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Other trades:</b> | Y |

|                              |                      |                                                                                                                                                                                                                                                                                                                                                                                                           |   |               |   |
|------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------|---|
| Using handtools and . plant. | Noise and Vibration. | 1. Handtools not to be used for long periods without rest. HAV assessment kept with tool and copy given to site manager for record. (see additional info attached for HAV assessment)<br>2. Plant (ie. Crane and cherry pickers to be switched off when not in use.<br>3. All works to be carried out within specified site working times.<br>4. Tools provided are low HAV models where at all possible. |   |               |   |
| Risk Likelihood:             | 3                    | Risk Severity:                                                                                                                                                                                                                                                                                                                                                                                            | 3 | Risk Score:   | 9 |
| Risk score with controls:    | 1                    | Risk Severity:                                                                                                                                                                                                                                                                                                                                                                                            | 3 | Risk Score:   | 3 |
| Persons affected: Public     | N                    | Operatives:                                                                                                                                                                                                                                                                                                                                                                                               | Y | Other trades: | N |

|                               |                                                           |                                                                                                                                                                                                                                                                          |   |               |   |
|-------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------|---|
| Use of electrical power tools | Risk of injury from electrocution caused by faulty tools. | 1. All tools to be PAT tested at 3mth maximum periods. Record of test noted on tool.<br>2. All tools to be inspected visually prior to use to check for frayed wires or loose components.<br>3. Tools not to be used if any faults are found or PAT test is out of date. |   |               |   |
| Risk Likelihood:              | 3                                                         | Risk Severity:                                                                                                                                                                                                                                                           | 3 | Risk Score:   | 9 |
| Risk score with controls:     | 1                                                         | Risk Severity:                                                                                                                                                                                                                                                           | 3 | Risk Score:   | 3 |
| Persons affected: Public      | N                                                         | Operatives:                                                                                                                                                                                                                                                              | Y | Other trades: | N |

|                           |                                                   |                                                                          |   |               |   |
|---------------------------|---------------------------------------------------|--------------------------------------------------------------------------|---|---------------|---|
| Temporary supports        | Unstable structure resulting in falling material. | 1. Erect temporary support only as directed on general assembly drawings |   |               |   |
| Risk Likelihood:          | 0                                                 | Risk Severity:                                                           | 4 | Risk Score:   | 0 |
| Risk score with controls: | 0                                                 | Risk Severity:                                                           | 3 | Risk Score:   | 0 |
| Persons affected: Public  | N                                                 | Operatives:                                                              | Y | Other trades: | Y |

|                                      |                                                                                                                                |                                                                                                                                                                                                 |   |               |   |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------|---|
| Other trades may be working on site. | Injury to personnel from falling material and crane operations. Additional risks when moving lorries, cherry pickers and crane | 1. Crane supervisor to control and bank all lifting operations and plant movements. Site<br>2. Site manager to ensure other personnel are not not working within 12m of area of steel erection. |   |               |   |
| Risk Likelihood:                     | 2                                                                                                                              | Risk Severity:                                                                                                                                                                                  | 3 | Risk Score:   | 6 |
| Risk score with controls:            | 1                                                                                                                              | Risk Severity:                                                                                                                                                                                  | 3 | Risk Score:   | 3 |
| Persons affected: Public             | N                                                                                                                              | Operatives:                                                                                                                                                                                     | Y | Other trades: | Y |

|                                                                                                    |                                                                                                                                                                         |                                                                                                                                   |   |               |   |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---|---------------|---|
| All activities where gloves are to be worn<br><br>(Gloves to be worn at all times on this project) | Correct gloves to be used to reduce risk of hand injury when:<br>Erecting steel and operating plant / tools.<br>Welding or gas cutting steel<br>Handling / Moving steel | 1. Wear Marigold PX130 nylon gloves at all times.<br>2. Wear Welding Gauntlets (type Cat2/EN407)<br>3. Wear leather rigger gloves |   |               |   |
| Risk Likelihood:                                                                                   | 3                                                                                                                                                                       | Risk Severity:                                                                                                                    | 2 | Risk Score:   | 6 |
| Risk score with controls:                                                                          | 1                                                                                                                                                                       | Risk Severity:                                                                                                                    | 3 | Risk Score:   | 3 |
| Persons affected: Public                                                                           | N                                                                                                                                                                       | Operatives:                                                                                                                       | Y | Other trades: | N |

|                                                    |                                                                                                                                                                                |                       |                                                                                                                                                         |                      |   |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|
| <b>All activities where glasses are to be worn</b> | Correct glasses to be used to reduce risk of eye injury when:<br>~ Erecting/moving steel and operating plant / tools.<br>~ Welding or gas cutting steel<br>~ Drilling concrete |                       | 1. Glasses to be worn at all times on site for all activities.<br>2. Use dark lense face shield or goggles<br>3. Wear clear safety glasses (type EN166) |                      |   |
| <b>Risk Likelihood:</b>                            | 3                                                                                                                                                                              | <b>Risk Severity:</b> | 2                                                                                                                                                       | <b>Risk Score:</b>   | 2 |
| <b>Risk score with controls:</b>                   | 1                                                                                                                                                                              | <b>Risk Severity:</b> | 3                                                                                                                                                       | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>                    | N                                                                                                                                                                              | <b>Operatives:</b>    | Y                                                                                                                                                       | <b>Other trades:</b> | N |

## **SECTION E - RISK ASSESSMENT - ENVIRONMENT AND EMERGENCY HAZARDS**

| ACTIVITY                                                                                                      | RISK DESCRIPTION                                                                                                                                                                                 |                       | CONTROL MEASURES                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |   |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|
| <b>All operations on site.</b>                                                                                | Emergency situation.                                                                                                                                                                             |                       | 1. Site agent to be informed immediately of any emergency situation.<br>2. Appropriate authorities to be informed asap to be informed asap (ie. Emergency services, H+E, etc). Senior erector or deputy to<br>3. Senior erector or deputy to take responsibility for situation and ensure safety of site personnel. Steel Fabrications<br>4. Steel Fabrications safety representative (PA Safety Services) to be informed and full investigation carried out. |                      |   |
| <b>Risk Likelihood:</b>                                                                                       | 1                                                                                                                                                                                                | <b>Risk Severity:</b> | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Risk Score:</b>   | 4 |
| <b>Risk score with controls:</b>                                                                              | 1                                                                                                                                                                                                | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>                                                                               | N                                                                                                                                                                                                | <b>Operatives:</b>    | Y                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Other trades:</b> | Y |
| <b>Leakage of fluids from plant and vehicles.</b>                                                             | Environmental Matters                                                                                                                                                                            |                       | 1. Leaking machine to be switched off immediately if found to be leaking. Any fluids<br>2. Any fluids to be cleared up and deposited at appropriate waste facility.<br>waste facility.<br>3. Ground beneath machine to be protected with timber etc until machine is inspected and repaired by engineer.<br>4. When filling machines with diesel fuel, a specifically designed plant 'nappy' must be attached to underside of machine.                        |                      |   |
| <b>Risk Likelihood:</b>                                                                                       | 1                                                                                                                                                                                                | <b>Risk Severity:</b> | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Risk Score:</b>   | 4 |
| <b>Risk score with controls:</b>                                                                              | 1                                                                                                                                                                                                | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>                                                                               | N                                                                                                                                                                                                | <b>Operatives:</b>    | Y                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Other trades:</b> | N |
| <b>All operations involving lifting when conditions are windy or weather is poor (cold / wet / foggy etc)</b> | Risk of materials not being able to be lifted safely leading to falling of material or collision with other objects / persons.<br><br>Site conditions slippery or vision impaired for operatives |                       | 1. Lifting only permitted up to a limit of gusting windspeed 18m/s (to be checked using crane anometer). If speed exceeds this, any load will be brought back to ground level immediately and operations will cease.<br>2. Site supervisor to suspend operations if weather conditions cause surfaces to be slippery or vision of operatives is impaired.                                                                                                     |                      |   |
| <b>Risk Likelihood:</b>                                                                                       | 2                                                                                                                                                                                                | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Risk Score:</b>   | 6 |
| <b>Risk score with controls:</b>                                                                              | 1                                                                                                                                                                                                | <b>Risk Severity:</b> | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>                                                                               | N                                                                                                                                                                                                | <b>Operatives:</b>    | Y                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Other trades:</b> | N |

## SECTION F - RISK ASSESSMENT - UNLOADING OF DELIVERY VEHICLES

|                                                                                                                                                                                                                         |                                                          |                       |   |                      |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------|---|----------------------|---|
| <b>ACTIVITY:</b>                                                                                                                                                                                                        | Erectors accessing onto trailer to secure/release chains |                       |   |                      |   |
| <b>RISK DESCRIPTION:</b>                                                                                                                                                                                                | Falling from height                                      |                       |   |                      |   |
| <b><u>METHOD/CONTROLS: (AS HSE GUIDELINES)</u></b>                                                                                                                                                                      |                                                          |                       |   |                      |   |
| ~ Erectors to avoid accessing trailer where possible. Any access to be kept to minimum time possible.                                                                                                                   |                                                          |                       |   |                      |   |
| ~ Load must not be accessed unless fall protection is in place.                                                                                                                                                         |                                                          |                       |   |                      |   |
| ~ MEWPs to access chain points where possible (caution taken not to over lean from MEWP basket).                                                                                                                        |                                                          |                       |   |                      |   |
| <b><i>Where connections cannot be accessed safely from Mewps and erector needs to access the load:</i></b>                                                                                                              |                                                          |                       |   |                      |   |
| ~ Erector to wear footwear with high grip properties. No tools or other equipment to be carried.                                                                                                                        |                                                          |                       |   |                      |   |
| ~ Access on and off trailer/load to be via either trailer steps (where provided) or by tied and footed ladder.                                                                                                          |                                                          |                       |   |                      |   |
| ~ Whilst on load, erector to position in centre of load/trailer and to be facing direction of travel at all times. Erector to wear appropriate footwear and to pay attention to stability and grip of material beneath. |                                                          |                       |   |                      |   |
| ~ Fall protection will be provided by means of side barrier posts fitted to the trailer and linked together with a ratchet strap tensioned line. This will be fitted to the trailer on site by use of the MEWPS.        |                                                          |                       |   |                      |   |
| ~ Height of the line will be adjusted to suit the levels of the load and will be no less than 900mm above the top line of the load.                                                                                     |                                                          |                       |   |                      |   |
| ~ Before each steel is lifted, the erectors must stand clear of the vertical lifting position.                                                                                                                          |                                                          |                       |   |                      |   |
| <b>Risk Likelihood:</b>                                                                                                                                                                                                 | 3                                                        | <b>Risk Severity:</b> | 3 | <b>Risk Score:</b>   | 9 |
| <b>Risk score with controls:</b>                                                                                                                                                                                        | 1                                                        | <b>Risk Severity:</b> | 3 | <b>Risk Score:</b>   | 3 |
| <b>Persons affected: Public</b>                                                                                                                                                                                         | N                                                        | <b>Operatives:</b>    | Y | <b>Other trades:</b> | N |