

MINIMUM REQUIREMENT

100



WP/SEA MINIMUM REQUIREMENTS Welded Structural Steel



MEMORY JOGGERS

Ensure that the following conditions are met before proceeding. If not met, address on WP/SEA.

- Communicate the **“RIGHT TO STOP WORK AUTHORITY POLICY”** and is exercised by all crewmembers and other personnel that believe something or some condition has changed. The job is to be stopped and accessed before proceeding. The WP/SEA may need to be modified or a new WP/SEA maybe required before starting the work task again.
- Verify access and escape routes are clear at all times or alternative routes marked and the work force informed
- Verify clear access for structural components to be installed.
- Conduct site inspection with crew to determine the integrity of purposed lifting points on the platform structure.
- Verify the weight of the purposed components to be lifted is within GISY Rigging Practices.
- When required place 3/8” or 1/2” plywood over fiberglass grating for transporting structural components.
- Be aware of the edges and cut areas on the structural shapes that are being handled.
- Wherever possible cables and hoses are to be kept to a minimum length, run through mouse holes, secured at regular intervals and kept away from ladders, walkways and wet areas.
- Check pins and whip checks must be fitted across all crows’ foot connectors before starting.
- Check all areas above and below the worksite to minimize the probability of objects falling onto or from the worksite.
- Nylon straps or Continuous manmade fiber slings shall be used when lifting light structural steel if lifting eyes have not been installed or provided as per GISY’S Lifting practice.
- Steel slings and proper shackles shall be used when lifting heavy structural shapes and must have either welded pad eyes or a rounded hole in the structural components to affix the shackles as per GISY’S Lifting Procedure.
- Verify good communications is established and maintained between the lift operator and the crew while observing the structural steel being lifted.
- Do not place hands on the ends of the structural steel or any other edges of the steel while being moved or transported.
- Verify that the structural steel has no loose components or foreign materials left on them during fabrication, transportation or installation.
- Verify all QC requirements have been met and have been released for installation.
- Verify the proper tools and materials required to complete the work are available and in good condition.
- Verify that a **YELLOW BARRIER** and **CAUTION SIGNS** are in place before lifting and transporting steel components to the installation area.
- Verify that a **RED FLAGGED HARD BARRICADE** and proper **WARNING SIGNS** are in place before lifting and installing structural components over head or where the grating has been removed and an open hole are left.
- Verify that all pulling, lifting and rigging connections are in compliance with GIS’S rigging standards before starting the task.
- Verify all instruments, needle valves and gauges have been protected or have been removed if possible.
- Review and implement “Hot work Minimum Requirements”

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ENSURE MINIMUM REQUIREMENTS NUMBERS ARE RECORDED ON WP/SEA

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1)	Verify All conditions identified in the “Memory Joggers” section are met (or are not applicable); if ANY are not met, STOP and add the necessary step to the WP/SEA to ensure the safest method possible.
2)	Review the work scope with the crewmembers and associated personnel before starting lifting operations.
3)	Verify that the structural components are in the right location and are straight and plumb (slopping if required) before starting hot work.
4)	Verify Fire-Watch is on location continuously monitoring the area for gas and has the proper firefighting equipment.
5)	Verify dimensions and mark cut height on structural components.
6)	Grind and remove paint from steel, ensuring dead-man switch has been removed.
7)	Remark cut height on structural components before proceeding.
8)	Verify dimensions before making cut.
9)	Cut structural components and dress all cut and burnt areas to clean steel.
10)	Verify location on existing steel and grind paint to clean metal.
11)	Attach rigging as per GIS Rigging Practices.
12)	Install RED BARRIER TAPE barriers around work area.
13)	Lift structural component into the new location and secure with safety rigging.
14)	Verify structural component is plumb and square.
15)	Tack-Weld structural component in place.
16)	Re-verify construction component is plumb and square.
17)	Cover pipe, electrical and tubing tray with welding blanket if required. (Do not drape fire blanket where a person might use as a step or walk area.)
18)	Continue to weld structural components until task is completed.
19)	Upon completing welding operation mechanically clean all welds.
20)	Remove all rigging and lower to safety to be stowed away.
21)	Perform all QC functions and sign off.
22)	Prime all areas where the paint has been destroyed or removed.
23)	Upon complementing the work, a review of the work area by the designated person will remove all barriers or will instruct one of the crewmembers to do so.
24)	The designated person and crewmembers will verify that all the equipment and location have been left in a clean, safe condition. All the tools, equipment and barriers have been removed and all persons have been accounted for.

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