



**WP/SEA MINIMUM REQUIREMENTS
Welded Pipe Support Installation**



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 clear access for installation.
- Verify access and escape routes are clear at all times or alternative routes marked and the work force informed.
- Verify the location of the nearest eye wash station. If the distance is considered to be too far a portable eye wash station is to be provided.
- Conduct site inspection with the crew to determine the integrity of purposed lifting points on the platform structure.
- Verify process temperature is in a safe range to prevent crewmembers from being burned before starting.
- Verify the weight to be lifted is within GIS Rigging Practices limit.
- When required place 3/8” or 1/2” plywood over fiberglass grating for support during transporting of materials.
- 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.
- Nylon Straps shall be used when making light lifts as per GIS Lifting Practices.
- Check pins and whip checks must be fitted across all crows’ foot connectors before starting.
- Verify good communications is established and maintained between the lift operator and crewmembers while lifts are in progress
- Do not place hands on the support edges or put them on the beam-ends while being moved or transported.
- Observe and verify that the lifts doesn’t snag or catch on other piping or structural steel previously installed during installation.
- Verify drip pans and open drains in the immediate work area are clean of all combustible materials and protected with wetted fire blankets and plugs inserted into the piping covered with water.
- Check all areas above and below the worksite to minimize the probability of objects falling onto or from the worksite.
- Verify all instruments, needle valves gauges, electrical and tubing trays have been protected with plywood or fire blanket and/or have been removed.
- Verify that 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.
- If applicable, check fuel, water and oil in all equipment before starting.
- Barriers and signs are to be erected. Barriers are to be removed as soon as practically possible
- Review and implement “Hot Work” JSEA minimum requirements

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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 pipe is in the right location and is straight and plumb (sloping if required) before starting hot work.
4)	Verify bottom of pipe elevation to the point of where the pipe support attaches.
5)	Calculate bottom of pipe elevation plus accessories (slide, I-Rod, etc) if required.
6)	Verify Fire-Watch is on location monitoring the area for gas and has the proper firefighting equipment ready.
7)	Mark cut height on pipe support.
8)	Grind and remove paint from steel, ensure “dead man switch” has been removed.
9)	Mark cut height on pipe support.
10)	Verify dimensions before making cut.
11)	Cut pipe support and dress all cut and burnt areas clean.
12)	Verify location on existing steel and grind paint to clean metal.
13)	Attach rigging as per GIS Rigging Practices.
14)	Verify all U-Bolts and accessories are on location and ready for installation.
15)	Install Red Barrier Tape barriers around work area.
16)	Lift pipe support into the new location and secure with safety rigging.
17)	Install U-Bolt and accessories (if required) and snug tight.
18)	Verify pipe support is plumb and square.
19)	Cover pipe with welding blanket if required. (Do not drape fire blanket where a person might use as a step or walk area.)
20)	Tack-Weld support in place.
21)	Verify pipe support is plumb and square.
22)	Continue to weld pipe support until task is completed.
23)	Upon completing welding operation mechanically clean all welds.
24)	Remove all rigging and lower to safety to be stowed away.
25)	Reform all QC functions have been met.
26)	Prime all areas where the paint has been destroyed or removed.
27)	Make final adjustments on U-Bolt and accessories.
28)	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.
29)	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.

ENSURE MINIMUM REQUIREMENTS NUMBERS ARE RECORDED ON WP/SEA