

Revision Date: \_\_\_\_\_

<b>Job Title:</b> Pipe Fitter I	<b>Job Classification:</b> Hourly <span style="float: right;">▼</span>
<b>Department:</b> Production	<b>Reports To:</b> Pipe Fitter Supervisor
<b>Job Summary</b>	
Responsible to lay out, assemble, install, and maintain pipe systems, piping and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling and industrial production and processing systems.	
<b>Duties and Responsibilities</b>	
<p><b>Technical Competencies</b></p> <ul style="list-style-type: none"> <li>• Pass the test for Pipe Fitter I level.</li> <li>• High ability to understand and interpret complex pipe fabrication block/installation drawings, isometric construction drawings and P&amp;IDs.</li> <li>• Understand quality criteria for acceptable work per construction drawings.</li> <li>• Examines blueprints applying knowledge of geometry, effects of heat requirements, difference of type of materials and metal thickness.</li> <li>• Mark reference points onto pipe or bulkheads, transposes points by using plumb bob to work piece using measuring devices, squares, chalk, and soapstone.</li> <li>• Ability to align and join complex pipe to pipe connections/misalignments at block, super block and erection level.</li> <li>• Ability to identify different systems requirements for mechanical completion as different types of valves functionality and instrumentation.</li> <li>• Ability to plan pipe system layout, installation or repair according to specifications.</li> <li>• Knowledge of different types of fitting connections, threads, sealing gaskets, crimping, hydraulic systems etc.</li> </ul> <p><b>Tools use Competencies</b></p> <ul style="list-style-type: none"> <li>• Fit, Cut, thread, bend, clamp and hammer pipe to specifications using tools such as saws, cutting torches, and pipe threader, pipe benders, jigs and fixtures, bevel machine, etc.</li> <li>• Assemble and secure pipes, tubes, fittings and related equipment according to specifications by welding, brazing, cementing, soldering and threading joints.</li> <li>• Attach pipes to walls, structures and fixtures such as radiators or tanks using brackets, clamps, tools or welding equipment.</li> <li>• Tack welds fitted parts together.</li> <li>• Inspect, examine and test installed systems and pipe lines by following proper testing procedures, pressure gages, hydrostatic and pneumatic testing observation or other methods.</li> <li>• Measure and mark pipes for cutting, pipe bending, threading, clamping or crimping.</li> <li>• Lay out full scale drawings of pipe systems, supports and related equipment following blueprints.</li> <li>• Cut and bore holes in structures such as bulkheads, decks, walls and mains prior to pipe installation using hand and power tools.</li> <li>• Inspect work sites for obstructions and ensure that holes will not cause structural damage.</li> <li>• Operate motorized pumps to remove water from flooded manholes, basements or facility floors.</li> </ul> <p><b>Other Qualifications</b></p> <ul style="list-style-type: none"> <li>• Ability to weld subassembly level components, at least at W III (3F &amp; 4F) level (brackets, supports, simple sub assemblies), and perform welding work at this level as instructed.</li> <li>• For external hire with only tack welding experience, internal training will be provided for qualifications at WIII level (3F &amp; 4F).</li> <li>• Responsible for its own work quality wise, both fitting and welding, including inspection.</li> <li>• Understand and follow HSE specific safety rules for the intended application.</li> <li>• Contribute fully to the team effort to maintain 5S, workstation cleanliness organization.</li> <li>• Perform any other duties as assigned.</li> </ul>	
<b>Additional duties and responsibilities may be added to this position as required by the organization.</b>	
<b>Experience Qualification</b>	
<p>Minimum of 3 year of pipe fitting experience. Preferable shipyard experience.</p>	<p>Possess knowledge of heavy lifting techniques and tools. Possess knowledge of types of steel materials preferred.</p>
<b>Skills and Abilities Qualification</b>	
<p>Communication Skills Judgment and Decision Making Skills Mathematical Skills Problem Solving Skills Analytical Skill</p>	<p>Ability to work at various heights/confine Spaces Ability to work on any shift Teamwork Oriented Bilingual (English/Spanish) preferred</p>
<b>Education Qualification</b>	
Minimum High School Diploma of Equivalent	