

<b>Job Title</b>	Structural Welder - Assembler	<b>Date</b>	7/1/2024
<b>Department</b>	Buildings	<b>Manages Employees</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Reports To</b>	Production Supervisor	<b>FLSA Status (to be completed by HR)</b>	<input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Non-Exempt
<b>Revision</b>	A		
<b>Summary (Main Purpose)</b>			
<p>A welder Completes metal projects that match their clients' specifications. They choose materials, select gas ratios, and make various cuts and welds. MIG welders also interpret blueprints, follow safety protocols, and assist in the maintenance of their shop's inventory and cleanliness.</p>			
<b>Job Duties and Responsibilities (Essential Functions)</b>			
<ul style="list-style-type: none"> <li>• Operate and set up MIG &amp; TIG standard and pulse welders.</li> <li>• Weld carbon steel, stainless steel, and aluminum.</li> <li>• Use a tape measure, square level, and other measuring tools.</li> <li>• Work with sheet metal, tube steel, channel, I-beam, and plate steel in fabrication.</li> <li>• Position, align and fit components together utilizing fixturing. Bolt, clamp and tack weld parts to secure in position for welding according to blueprints and welding procedures specifications.</li> <li>• Ability to perform multiple tasks simultaneously; ability to assess, evaluate, and carry out appropriate action for a given situation.</li> <li>• Ability to effectively communicate with individuals at all levels of the organization.</li> <li>• Ability to assemble interior and exterior of projects.</li> </ul>			
<b>Required Skills and Experience (Minimum requirements in terms of educational background, work experience, licenses/certifications or other knowledge, skills, and abilities).</b>			
<ul style="list-style-type: none"> <li>• Minimum of 2 years' experience.</li> <li>• Strong attention to detail and precision.</li> <li>• Strong problem detection and solving skills.</li> <li>• Able to read and interpret blueprints.</li> <li>• Understands and utilizes various engineering and manufacturing documents including Bill of Materials, assembly drawings, assembly instructions and solid models.</li> <li>• Excellent problem-solving and troubleshooting skills.</li> <li>• Ability to work interdependently or in a team environment.</li> <li>• Experience in a manufacturing or fabrication environment.</li> <li>• Welding certifications or relevant training</li> <li>• Use various precision measuring equipment to check work.</li> </ul>			
<b>Additional Skills and Experience (Preferred or helpful)</b>			
<ul style="list-style-type: none"> <li>• Follow all clean up and housekeeping procedures.</li> <li>• Comply with all safety and sanitation regulations.</li> <li>• Operate hoist, cranes, riggings, fork lifts to move equipment from one location to another.</li> </ul>			

This description covers the primary purpose and principal duties of the job. It is not designed to be a complete list of all the duties and responsibilities required of this position. Duties, responsibilities, and activities may change at any time with or without notice.

## Demands and Conditions Analysis: Structural Welder - Assembler

### Working Conditions

The essential functions of this job involve the following working conditions.

(Place an "x" in the appropriate box.)

- C = Continuously** 75%-100% of time
- F = Frequently** 50%-74% of time
- O = Occasionally** 10%-49% of time
- R = Rarely** 1%-9% of time
- N = Never** 0% of time

	C	F	O	R	N		C	F	O	R	N
<b>Environmental</b>						<b>Physical Factors</b>					
Works alone			X			Sitting			X		
Works with others			X			Standing	X				
Customer contact					X	Walking			X		
Shift Work	X					Bending/stooping		X			
Extended Day			X			Squatting/Kneeling		X			
Keeping work pace/deadlines	X					Crouching/Crawling			X		
Performing repetitive tasks	X					Twisting at waist		X			
Noise (decibels) 91					X	Reaching above shoulders			X		
Vibration			X			Reaching below knees				X	
Abrupt temperature changes			X			Lift/carry up to 40 lbs.		X			
Heat (above 85 F)			X			Push/pull to 100 (force)			X		
Cold (below 65 F)					X	Climbing ladders			X		
Wetness					X	Climbing stairs					X
Dampness					X	Sweeping/mopping				X	
Dryness		X				Operating foot controls					X
Odors & dusts		X				<b>Manual Tasks</b>					
Work with solvents					X	Grasping with one hand	X				
Work acids, bases					X	Grasping with both hands	X				
Work with oils					X	Manipulating with one hand	X				
Work with toxins					X	Manipulating with two hands		X			
Poor ventilation					X	Handwritten communication				X	
Fumes					X	Using keyboard				X	
Mechanical hazards			X			Using hand tools	X				
Electrical hazards					X	Twisting/wringing		X			
<b>Sensory Tasks</b>						Scrubbing/washing/polishing				X	
Seeing close (reading)	X					Scraping				X	
Seeing far (observation)			X			<b>Equipment Operation</b>					
Peripheral vision			X			Driving car / light truck	X				X
Seeing colors			X			Driving heavy truck / van					X
Verbal communication	X					Operating forklifts, stackers			X		
Hearing speech		X				Operating hoist equipment			X		
Hearing mechanical sounds			X			Operating shop machinery			X		
Sensing odors					X	Operating power tools	X				

Sensing by touch				X	Operating torch	X				
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