

# Work Processes Schedule

## SHEET METAL WORKER (ANY INDUSTRY)

**RAPIDS: 0510N**

O\*NET/SOC: 47-2211.00

REVISION DATE: 12/2014

Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. Work may involve any of the following: setting up and operating fabricating machines to cut, bend, and straighten sheet metal; shaping metal over anvils, blocks, or forms using hammer operating soldering and welding equipment to join sheet metal parts inspecting, assembling, and smoothing seams and joints of burred surfaces.

### Applicable Ratings/MOS

USMC MOS 6092, 6154

USCG AMT, DC

USN AM, AWF, HT, SW

### Related Instruction

Any trade related schools/courses totaling 576 hours.

### Additional Requirement

AM, AWF - AWF must have completed AM (A) school

Total Hours: **8000**

Skill	Description	Hours
A	<p><b>FUNDAMENTALS</b></p> <p>Demonstration of knowledge required in all areas</p> <ol style="list-style-type: none"> <li>1. Safety Precautions Fundamentals</li> <li>2. First Aid And Rescue</li> <li>3. Quality Assurance Administration Fundamentals</li> <li>4. Quality Assurance Program Fundamentals</li> <li>5. Levels Of Control Fundamentals</li> <li>6. Hearing Conservation Program Fundamentals</li> <li>7. Hazardous Material Control And Management-(HMC&amp;M) Program Fundamentals</li> <li>8. Respiratory Protection Program Fundamentals</li> <li>9. Sight Conservation Program Fundamentals</li> <li>10. General Administration (Log, Record And File Maintenance)</li> <li>11. Technical Administration (Publications And Technical Manuals)</li> <li>12. Logistics</li> <li>13. Shop Fundamentals</li> </ol>	500
B	<p><b>EQUIPMENT</b></p> <p>Demonstrate safe operation and upkeep of shop equipment. The Equipment list is representative of tools and machinery typically found in the Work-Center associated with this trade.</p> <ol style="list-style-type: none"> <li>1. Rake, Finger</li> <li>2. Brake, Press, Power, 110 Ton</li> <li>3. Brake, Press, Power/Louvre 18 Ton</li> <li>4. Cutter, Plasma</li> <li>5. Drill Press, Floor</li> <li>6. Forming Machine, Slip Roll, Power</li> <li>7. Flanger, Irregular</li> <li>8. Forming Machine, Combination Rotary, (Pexto)</li> <li>9. Forming Machine, Combination Rotary, (Circle Cutter)</li> <li>10. Grinding/Buffering Machine, 10"</li> <li>11. Iron Worker</li> <li>12. Shearing, Nibbling &amp; Forming Machine (Pullmax)</li> <li>13. Notcher, Power</li> <li>14. Punch, Turret</li> <li>15. Punch, Mega, 35 Ton</li> <li>16. Press, Horizontal Pneumatic</li> <li>17. Press, Stamping</li> <li>18. Forming Machine, Pittsburgh Lock</li> <li>19. Roller, Manual</li> <li>20. Saw, Band</li> <li>21. Saw, Band, Power (Marvel)</li> </ol>	800

	<ul style="list-style-type: none"> <li>22. Saw, Chop</li> <li>23. Shear, Power, Mechanical, (Wysong)</li> <li>24. Welding Machine, AC/DC, GTAW/GMAW, 300 Amp, Floor</li> <li>25. Welding Machine, DC, SMAW, 400 Amp, Floor</li> <li>26. Welding Machine, Resistance Spot, Portable</li> <li>27. Portable Gas Metal Arc Welding Machine</li> </ul>	
<b>C</b>	<p><b>FABRICATE, REPAIR &amp; INSTALL OUTFIT &amp; FURNISHING</b></p> <ul style="list-style-type: none"> <li>1. OBA Lockers</li> <li>2. Ladderbacks</li> <li>3. Cleaning Gear Lockers</li> </ul>	500
<b>D</b>	<p><b>FABRICATE, REPAIR &amp; INSTALL BULKHEADS, PARTITIONS AND OVERHEADS (NON-STRUCTURAL) (STAINLESS STEEL/ALUMINUM)</b></p> <ul style="list-style-type: none"> <li>1. Honeycomb Joiner Bulkheads</li> <li>2. Sheet Metal Joiner Bulkheads</li> <li>3. Partitions (Urinal/Water Closet)</li> <li>4. Shower Stalls And Bulkheads (Repair &amp; Manufacture)</li> <li>5. False Overheads</li> </ul>	1500
<b>E</b>	<p><b>FABRICATE, REPAIR &amp; INSTALL VENTILATION</b></p> <ul style="list-style-type: none"> <li>1. Manufacture/Repair Rectangular Ducting</li> <li>2. Manufacture/Repair Round Vent Ducting</li> <li>3. Manufacture Ventilation Transitions</li> <li>4. Manufacture/Repair Ventilation Screens</li> </ul>	1500
<b>F</b>	<p><b>REPAIR &amp; INSTALL DOORS</b></p> <ul style="list-style-type: none"> <li>1. Metal Balanced Joiner Doors (Roto Swing/Ellison Type)</li> <li>2. Bulkhead Joiner Doors</li> <li>3. Engineering Space Vu-Sonic Door</li> <li>4. Water Tight Doors, Scuttles &amp; Hatches</li> </ul>	600
<b>G</b>	<p><b>FABRICATE, REPAIR &amp; INSTALL MISCELLANEOUS SHEET METAL ITEMS</b></p> <ul style="list-style-type: none"> <li>1. Pipe Flashing</li> <li>2. Funnels</li> <li>3. Light Bars (Small Boat Mast)</li> <li>4. Safety Guards</li> <li>5. Metal Gaskets</li> <li>6. Valve Locking Devices</li> <li>7. Hot Water Heater Liners</li> <li>8. Drip Pans</li> <li>9. Salt Water Strainers</li> <li>10. Fuel Oil &amp; Lube Oil Strainers (outer and inner)</li> <li>11. CHT Drip Pans</li> </ul>	2200
<b>H</b>	<p><b>WELDING (REPAIR &amp; FABRICATION)</b></p> <ul style="list-style-type: none"> <li>1. Gas Tungsten Arc Welding (GTAW)</li> <li>2. Shielded Metal Arc Welding (SMAW)</li> <li>3. Gas Metal Arc Welding (GMAW)</li> <li>4. Spot Welding Ferrous Metal</li> </ul>	400