Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following areas. Actual work time must be recorded in the Work Experience Log.

**Applicable Ratings/MOS**
- **USMC**: None
- **USCG**: None
- **USN**: HT
- **USA**: 88L, 881A

**Related Instruction**
- Any trade related schools/courses totaling 576 hours.

**Additional Requirement**
- None

Total Hours: 8000

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<tr>
<th>Skill</th>
<th>Description</th>
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| **A** | **FUNDAMENTALS**

Demonstration of knowledge required in all areas.
- 1. Safety Precautions Fundamentals
- 2. First Aid And Rescue
- 3. Quality Assurance Administration Fundamentals
- 4. Quality Assurance Program Fundamentals
- 5. Levels Of Control Fundamentals
- 6. Hearing Conservation Program Fundamentals
- 8. Respiratory Protection Program Fundamentals
- 9. Sight Conservation Program Fundamentals
- 10. General Administration (Log, Record And File Maintenance)
- 11. Technical Administration (Publications And Technical Manuals)
- 12. Logistics
- 13. Shop Fundamentals | 500 |
| **B** | **EQUIPMENT**

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.
- 1. Press Brake
- 2. Cutting Machine
- 3. Overhead Crane System
- 4. Drill Press
- 5. Slip Roll Forming Machine
- 6. Grinding Machines
- 7. Universal Hydraulic Ironworker
- 8. Shearing, Nibbling And Forming Machine (Pullmax)
- 9. Vertical Band Saw
- 10. Abrasive Cut-Off Saw
- 11. Squaring Shear
- 12. Tig/Mig Welding Machine
- 14. Oxy/Acetylene Welder
- 15. Shipfitter Related Handtools | 800 |
| **C** | **REMOVAL OF OUTFITTINGS, FURNISHINGS & STRUCTURAL ITEMS**

- 1. Burning And Cutting -- Ferrous & Non - Ferrous Metals
- 2. Access Cutting -- Ferrous & Non - Ferrous Metals | 1500 |
| **WELD PREPARATION SERVICES** |
| D | 1. Grind/Fit-Up -- Ferrous & Non - Ferrous Metals  
2. Cut/Shape -- Ferrous & Non - Ferrous Metals  
3. Mass Production Cutting -- Ferrous & Non - Ferrous Metals |
|---|---|
| E | 1. Shielded Metal Arc -- Ferrous & Non-Ferrous Metals  
2. Gas Tungsten Arc -- Ferrous & Non-Ferrous (Non Aluminum)  
3. Gas Tungsten Arc -- Aluminum Alloys  
4. Gas Metal Arc -- Ferrous & Non-Ferrous Metals |
| F | **WELDING SERVICES**  
1. Shielded Metal Arc -- Ferrous & Non-Ferrous Metals  
2. Gas Tungsten Arc -- Ferrous & Non-Ferrous (Non Aluminum)  
3. Gas Tungsten Arc -- Aluminum Alloys  
4. Gas Metal Arc -- Ferrous & Non-Ferrous Metals  
5. Remote Operator, Mechanical  
6. Flexible Cable Remote Operators  
7. Cofferdams -- Ferrous & Non - Ferrous Metals  
8. Spread Bar -- Ferrous Metals  
9. Deck Penetrators -- Ferrous & Non - Ferrous Metals  
10. Pad Eyes -- Ferrous & Non - Ferrous Metals  
11. Kevlar Shield Brackets And Decoy Launcher Mounts -- Ferrous Metals  
12. Closures Above Main Deck -- Ferrous & Non - Ferrous Metals  
13. Huck Riveting Services  
14. Closures Main Deck And Below -- Ferrous & Non - Ferrous Metals  
15. Hull And Deck Fittings -- Ferrous & Non - Ferrous Metals  
16. Securing Devices -- Ferrous & Non - Ferrous Metals  
17. Camel Backs And Guards -- Ferrous & Non - Ferrous Metals  
18. Covers, Lockers, Racks, Ramps, Tables And Shelves -- Ferrous & Non - Ferrous Metals  
19. Line/Cable Reels And Footrings -- Ferrous & Non - Ferrous Metals  
20. J-Bar Davits, Kingposts And Outriggers -- Ferrous & Non - Ferrous Metals  
21. Cradles And Booms-- Ferrous & Non - Ferrous Metals  
22. Boat Cradles, Gravity Davits And Sliding Pad Eyes -- Ferrous & Non - Ferrous Metals  
23. Equipment Foundations -- Ferrous & Non - Ferrous Metals  
24. Brows, Ladders And Accommodation Ladders -- Ferrous & Non - Ferrous Metals  
25. Rails And Stanchions -- Ferrous & Non - Ferrous Metals  
26. Decks And Bulkheads -- Ferrous & Non - Ferrous Metals  
27. Structural Shapes And Forms -- Ferrous & Non - Ferrous Metals  
28. Deck Grating, Deck Plates, Catwalks And Platforms -- Ferrous & Non - Ferrous Metals | 2500 | 1000 | 1700 |