

Appendix A

WORK PROCESS SCHEDULE

PILE DRIVER

O*NET-SOC CODE: 47-2031.02 RAPIDS CODE: 1009/1009HY

This schedule is attached to and a part of these Standards for the above identified occupation.

1. TERM OF APPRENTICESHIP

The term of the occupation shall be 4 years with an OJL attainment of a minimum of 5,200 hours supplemented by the required hours of related instruction.

2. RATIO OF APPRENTICES TO JOURNEYWORKERS

(INSERT RATIO HERE) as covered in the CBA.

3. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate or as per the CBA.

(FILL IN RATES)

| | | | |
|--|------|--|------|
| 1 st 6 months and 650 hours | ___% | 2 nd 6 months and 650 hours | ___% |
| 3 rd 6 months and 650 hours | ___% | 4 th 6 months and 650 hours | ___% |
| 5 th 6 months and 650 hours | ___% | 6 th 6 months and 650 hours | ___% |
| 7 th 6 months and 650 hours | ___% | 8 th 6 months and 650 hours | ___% |

4. SCHEDULE OF WORK EXPERIENCE (See attached Work Process Schedule)

The JATC may modify the work processes to meet local needs prior to submitting these Standards to the appropriate Registration Agency for approval.

5. SCHEDULE OF RELATED INSTRUCTION (See attached Related Instruction Outline)

The JATC may modify the related instruction to meet local needs prior to submitting these Standards to the appropriate Registration Agency for approval.

WORK PROCESS SCHEDULE
PILE DRIVER
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The following schedule is an example of work experience (OJL) and training considered necessary to develop a skilled and productive worker in the Pile Driver trade. Within the limits of basic trade requirements, the schedule is adaptable to local conditions.

4-Year Program

| | Approximate Hours |
|---|----------------------|
| Core Skills | 325 - 500 |
| Concrete Formwork | 1,300 - 2,000 |
| Pile Installation | 975 - 1,500 |
| Foundation, Shoring, and Underpinning Systems | 975 - 1,500 |
| Metal/Hot Work | 975 - 1,500 |
| Supplemental Skills | 650 - 1,000 |
| Total | 5,200 - 8,000 |

RELATED INSTRUCTION OUTLINE
PILE DRIVER
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Related instruction - This instruction shall include, but not be limited to:
 Using the following training matrix, local JATCs can design a flexible training program to meet the needs of our local industries while at the same time providing apprentices the opportunity to complete their apprenticeship.

| Core Skills | Concrete & Form Work | Pile Installation | Foundation, Shoring & Underpinning Systems | Heavy Timber and Steel Construction | Metal/Hot Work | Supplemental Skills |
|--------------------------------|----------------------------------|------------------------------------|---|--|-----------------------------|---|
| Industry Orientation | Introduction to Formwork | Types of Piling | Introduction to False work | Timber Construction | Cutting & Burning | Rigging & Signaling Qualification Certificate |
| OSHA 10-Hr | Introduction to False work | Crane & Rig Identification & Setup | Types of Foundation Systems | Trestles/Pile Bents | Introduction To Welding | Layout Instruments |
| First Aid/ CPR/AED | Form Hardware | Pile Driving Accessories | Types of Shoring | Work Templates, Platforms | Plasma Cutting | Powder Actuated Tools |
| Ergonomics | Bridge Forms | Pile Driving Hammers | Types of Underpinning | Mats and Cribbing | Air Arc Gouging | Advanced Pile Driver Rigging Techniques |
| Construction Fall Protection | Piers, Pier & Pile Caps, Columns | Wood Piling | Cofferdams, Cells | Flumes, Culverts, Irrigation Systems | Field Cutting Techniques | HazMat |
| Confined Space | Wall Forms | Concrete Piling | Caissons and Drilled Shafts | Bulkheads | Field Welding Techniques | Lead Abatement |
| Safety Data Sheets | Gang Forms | Steel Piling | Shoring, Lagging, Tiebacks | | Layout, Fit up, Fabrication | Powered Industrial Truck Operator Qualification |
| Math for the Trades | Slab & Deck Forms | Composite Piling | Pin Piles, Earth Nails, Geotextiles | | Plastic Welding | Aerial Lift Qualification |
| Layout | Precast | Cast in Place Piling, | De-watering | | | Scaffold Erector Qualification |
| Print Reading | Footing Forms | Plastic Piling | Shoring for Horizontal Boring | | | |
| Hand/Power/Engine Driven Tools | Stair Forms | Test Pile and Pile Load Testing, | Slurry Systems, Cutoff walls, Tremie Pours | | | |
| Diversity Training | Concrete, Grout, Epoxy | | Structural Retrofit | | | |
| Green Awareness | | | | | | |
| Soil Mechanics | Specialty Forms | | Trenching | | | |
| Marine Safety/ Seamanship | Underwater Formwork | | | | | |

| Optional Instruction | | | | | | |
|----------------------|--|--|--|--|-----------------------|--|
| | | | | | SMAW Certification | |
| | | | | | GMAW Certification | |
| | | | | | FCAW Certification | |

TOTAL MINIMUM HOURS: 4-year Program 5,200 hours