

STEAMFITTER

862.281.022

TRADE INFORMATION

APPROVED: MAY 14, 2015

EXTENT OF PERIOD OF APPRENTICESHIP: The term of apprenticeship shall be **five years of not less than 8000**. The probationary period shall be the first 1600 hours of employment, but in no case shall it exceed one (1) calendar year. Hours of labor shall be the same as established for other skilled employees in the trade.

SCHOOL ATTENDANCE: The apprentice shall attend the assigned Wisconsin Technical College System for **paid related instruction classes for a minimum of 500 hours** and satisfactorily complete the prescribed course material, unless otherwise approved by the Department. The employer must pay for related instruction hours at the same rate per hour as for services performed.

SCHEDULE OF PROCESSES TO BE WORKED: In order to obtain well-rounded training and thereby qualifying as a skilled worker in the trade, the apprentice shall have experience and training in the following areas. This instruction and experience shall include the following operations but not necessarily in the sequence given. Time spent on specific operations need not be continuous. The below schedule of processes to be worked shall include all operations and such other work as is customary in the trade.

<u>Schedule Of Processes To Be Worked</u>	<u>Approximate Hours</u>
A. SYSTEMS PIPING INSTALLATIONS: Interpret gages, meters, and charts to install/repair/replace piping installations; cut, mechanically join and bend steel, brass, stainless, chrome, copper, and plastic pipe & tubing; hang pipe with hangers, supports, anchors, etc.; install/maintain expansion joints, adapters and transition fittings; perform pipe fabrication, install/maintain piping, tubing, and accessories; install/maintain bearings, bushing, shafts, seals, o-rings, belts, sheaves/pulleys, valves and couplings, install/maintain radiant heating systems; install/maintain hydronic systems, install/maintain heat pump systems; install/maintain steam systems; install/maintain natural gas lines; install/maintain air conditioning/refrigeration systems; install pneumatic, electronic, and Industrial instrumentation controls; install/ maintain flow, temperature, pressure, and infrared switches and sensors; install/maintain operational and safety controls.	2500
B. EQUIPMENT INSTALLATION: Install/maintain boilers, furnaces, pumps, gas regulators, valves, heat exchangers, and electric pumps; install/maintain steam traps, regulators, coils, vacuum breakers, flash (vent) tanks & condensate returns; install/maintain air conditioning/refrigeration chillers, cooling towers, pumps, compressors, valves, metering devices, and filter/dryers; install/maintain equipment venting, Install fans and air handling equipment.	1500
C. MECHANICAL SKILLS: Perform alignment and balancing; operate lifting and moving equipment; install rigging; perform rigging; perform general maintenance on heating, air conditioning, refrigeration, and ventilation systems; perform pressure, hydronic, and hydrostatic test on systems.	1500
D. WELDING: Perform soldering, brazing, fusion and SMAW/GTAW welding; perform oxyacetylene torch cutting; perform plasma torch cutting.	1500
E. MISCELLANEOUS: Interpret blueprints, symbols, specifications and schematic drawings; perform applied mathematical functions; perform applied scientific functions; demonstrate knowledge of basic electrical functions, demonstrate knowledge of basic and mechanical safety principles; demonstrate knowledge of OSHA regulations; apply Environmental Protection Agency (EPA) regulations; apply the Department of Transportation (DOT) regulations; demonstrate knowledge of high-pressure safety; perform record keeping; display professionalism; communicate with customers; other job related skills not listed elsewhere.	500
F. PAID RELATED INSTRUCTION:	<u>500</u>

MINIMUM COMPENSATION TO BE PAID:

1st period of 0 – 12 months of 1 – 1600 hours and satisfactory progress* at 45% of the base skilled wage rate

2nd period of 13 – 24 months of 1601 – 3200 hours and satisfactory progress* and at least 30 hours of unpaid related instruction at 60% of the base skilled wage rate

3rd period of 25 – 36 months of 3201 – 4800 hours and satisfactory progress* and at least 60 hours of unpaid related instruction at 65% of the base skilled wage rate

4th period of 37 – 48 months of 4801 – 6400 hours and satisfactory progress* and at least 90 hours of unpaid related instruction at 70% of the base skilled wage rate

5th period of 49 – 60 months of 6401 – 8000 hours and satisfactory progress* and at least 120 hours of unpaid related instruction at 75% of the base skilled wage rate

Base skilled wage rate _____ per hour.

*Satisfactory progress is defined as completing the minimum on the job hours; satisfactory progress on the job; satisfactory progress in paid related instruction and unpaid related instruction; current in first aid and CPR; and compliance with the record keeping policy.

If at any time the base skilled wage rate rises or falls, the apprentice's wage shall be adjusted proportionately. The wage rate of apprentices employed in this trade and this firm shall be the base skilled wage rate stated above.

If the apprentice does not complete the terms of the contract in the five year period, the apprentice shall be paid at no less than 75% of the skilled rate until completed.

If an apprentice completes the prescribed work hours before completing the required paid related instruction, the apprentice shall be held in the last period of apprenticeship until the apprenticeship is satisfactorily completed.

CREDIT PROVISIONS: The apprentice, granted credit at the start or during the term of the apprenticeship, shall be paid the wage rate of the pay period to which such credit advanced the apprentice.

Work Credit: _____

School Credit: _____

Total Credit to be applied to the terms of the apprenticeship: _____

SPECIAL PROVISIONS: The apprentice shall obtain certification in First Aid and CPR and a minimum of a 10-Hour OSHA Safety course during the first 12 months of the contract. The First Aid and CPR certifications must be kept current. The apprentice is required to take the Transition to Trainer course in the final year of the apprenticeship.

The apprentice **must complete satisfactorily 150 hours of unpaid school hours**, as prescribed by the ABC of WI Apprenticeship Advisory Committee. . **The apprentice shall obtain at least 30 hours per year in unpaid related instruction.** The 150 hours of unpaid related instruction must include welding (minimum of 30 hours, maximum of 60 hours), first aid/CPR, 10 Hour OSHA and Transition to Trainer in the final year of the apprenticeship. The remainder of the 150 hours may include such topics as blue print reading, transit/level, soldering, brazing, rigging, or other courses approved by the ABC of WI Apprenticeship Advisory Committee.

Apprentices shall attend at least 90% of scheduled paid related instruction each semester. In the event paid related instruction is missed, the apprentice shall make up the content missed as prescribed by the ABC of WI Apprenticeship Advisory Committee.

All work shall be performed under skilled worker supervision, except fifth year apprentices who can be provide general supervision. Supervision should be of such a nature as to encourage the development of responsibility and initiative. Under no circumstance shall an apprentice supervise another apprentice.

Upon completion of the on-the-job training work hours and the paid and unpaid school hours the apprentice must submit an application for completion to the ABC of WI Apprenticeship Advisory Committee. Upon approval by the ABC of WI Apprenticeship Advisory Committee and the BAS, the apprentice will be completed from the apprenticeship program.