

CALIFORNIA APPRENTICESHIP COUNCIL  
IRON WORKER INDUSTRY  
FIELD IRON WORKER  
ADVISORY COMMITTEE

# FIELD IRON WORKER TRAINING CRITERIA

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DOT: 801.361.014  
801.684.026

4YR

JULY 2004

# **IRON WORKER INDUSTRY**

## **FIELD IRON WORKER TRAINING CRITERIA**

DOT CODES: 801.361.014 & 801.684.026

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### **LENGTH OF TRAINING**

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Program sponsors shall establish a minimum four (4) year program of not less than 5,600 hours of on-the-job training.

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### **RELATED AND SUPPLEMENTAL INSTRUCTION**

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The required prescribed courses of related and supplemental instruction shall be no less than 160 hours per year. This instruction must include at a minimum the related and supplemental training processes listed in Exhibit "A".

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### **ON THE JOB TRAINING**

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(Skills to be learned) See Exhibit "B"

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### **COMPETENCY TESTING**

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All Apprentices must pass a competency test prior to the time of their classification advancement to the next higher period. The test shall be based on Related and Supplemental Instruction.

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### **COMPLETION PERCENTAGES**

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Program sponsors must have a 50% graduation rate for all apprentices that satisfactorily complete the program's probationary period.

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### **REVISIONS**

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The schedule for revisions to the Field Iron Worker Industry training criteria shall be in accordance with Labor Code Section 212.01.

# EXHIBIT "A"

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## RELATED AND SUPPLEMENTAL INSTRUCTION TOPICS FOR FIELD IRON WORKER TRAINING CRITERIA

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### RELATED AND SUPPLEMENTAL INSTRUCTION:

- ❖ TRADE MATH
- ❖ SAFETY
- ❖ OXY ACETYLENE CUTTING
- ❖ WELDING
- ❖ TOOLS AND EQUIPMENT
- ❖ TRADE ORIENTATIONS (STRUCTURAL, REINFORCING, ARCHITECTURAL, MISCELLANEOUS IRON)
- ❖ BLUEPRINT READING
- ❖ FASTNERS
- ❖ FABRICATION METHODS
- ❖ RIGGING
- ❖ PRECAST ERECTION
- ❖ METAL BUILDING ERECTION
- ❖ REINFORCING STEEL
- ❖ POST TENSIONING
- ❖ STRUCTURAL STEEL ERECTION
- ❖ ARCHITECTURAL
- ❖ FIRST AID/CPR (AMERICAN RED CROSS STANDARDS)

# EXHIBIT "B"

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## ON THE JOB TRAINING

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The work processes in which the Apprentice shall be trained are as follows. Work processes will not necessarily be conducted in the order listed, nor will they necessarily be conducted continuously.

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### WORK PROCESSES – FIELD IRONWORKER

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**A. Fabrication (may include but not limited to the following: (1350 Hours Minimum))**

- 1. Structural Steel, Reinforcing Steel, Architectural Metals, Composite Materials.**
- 2. Layout, Welding, Oxy-Acetylene Burning, Drilling, Bolting, Bending and Preparing Materials for Erection and Installation.**

**B. Installation (may include but not limited to the following) (2100 Hours Minimum)**

- 1. Installation of Structural Steel, Reinforcing Steel, Post Tensioning Cables, Architectural Metals, Composite Materials, Decking, Miscellaneous Metals and Rigging.**

**C. Miscellaneous (1350 Hours Minimum)**

- 1. Safety**
- 2. Job Planning**
- 3. Tool and Equipment Use**
- 4. Rigging**
- 5. Delivery and Cleanup**
- 6. Repair**

**Total Number of Minimum Hours 4,800**

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EMPLOYEE REPRESENTATIVE

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