

Cement Mason Industry Training Criteria

April 2002

CEMENT MASON INDUSTRY

DOT CODE 844.364.010

LABOR CODE SECTION 212.01 Paragraph 3 – Minimum Requirements

1. **LENGTH OF TRAINING**

Program sponsors shall establish a minimum three (3) year program of not less than 4,200 hours of on-the-job training.

2. **RELATED AND SUPPLEMENTAL INSTRUCTION**

The required prescribed courses of related and supplemental instruction shall be no less than 144 hours per year. This instruction must include at a minimum the related and supplemental training processes listed in Exhibit "A".

3. **ON THE JOB TRAINING**

Skills to be learned see Exhibit "B".

4. **COMPETENCY TESTING**

All apprentices must pass course competency tests, which are based on related and supplemental instruction, and manipulative skills test's based on field/laboratory assignments.

5. **COMPLETION PERCENTAGES**

Program sponsors must have a _____% completion of all apprentices that satisfactorily complete the program's probationary period.

6. **REVISIONS**

There shall be a review once every three years in accordance with Labor Code Section 212.01 or at the call of the Chairman of the Cement Mason Industry Advisory Committee if issues arise.

EXHIBIT "A"

RELATED AND SUPPLEMENTAL INSTRUCTION TOPICS FOR CEMENT MASON INDUSTRY TRAINING CRITERIA DOT CODE 844.364.010

RELATED AND SUPPLEMENTAL INSTRUCTION

1. Orientation, History of Cement Industry, Labor & Management Relations, Safety & First Aid
2. Forming Tools, Hand Tools, Power Tools, Miscellaneous Equipment, Small Engines: Operations & Servicing
3. Basic Math, Measuring, Estimating
4. Leveling Instruments: Builders Level, Laser Beam, Transit
5. Concrete Ingredients
6. Designing Concrete Mixes, Admixtures, Specifications & Testing
7. Edge Forms on Grade, On-Grade Curb and Curb & Gutter Forms, Screeds & Bulkheads
8. Placing & Leveling Concrete
9. Finishing Concrete Floors, Finishing Concrete Roofs, Finishing Concrete Steps, Finishing Sidewalks & Patios
10. Finishing Concrete Drives, Approaches, Curbs, Curbs & Gutter, Pavements, Concrete Bases, Tilt-Up Panels, Precast and Lift Slab
11. Joints in Concrete, Curing, Protection
12. Blueprints: Reading & Interpreting, Architects Scale
13. Concrete Patching & Related Processes, Grinding/Rubbing & Sacking, Surface Defects: Prevention's & Remedies
14. Epoxy, Epoxy Injection and Materials

EXHIBIT "B"

**WORK PROCESSES FOR
CEMENT MASON INDUSTRY TRAINING CRITERIA
DOT CODE 844.364.010**

<u>ON THE JOB TRAINING</u>	<u>HOURS</u>
A. Site Preparation	950
B. Placing and Finishing Concrete	1,050
C. Steps and Base	300
D. Curb and Gutter (all types)	650
E. Concrete Repair	750
F. Machine Operations	300
G. Mastic and Magnesite – Composite Work	200
Total number of minimum hours	4,200



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