



CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING DIVISION
AUTOMATIC EXTINGUISHING SYSTEMS PROGRAM-SPRINKLER FITTER
SKILL AREA REPORTING FORM – COMMERCIAL AND MULTI-FAMILY

OSFM TRAINING STANDARD
SPRINKLER FITTER SKILL AREA REPORTING FORM

Month/Year: _____ Name: _____ Registration #: _____

Company: _____ Commercial Multi-family Residential

Primary Subject (Indicate 1 thru 6):	Area of Study (Indicate Alpha Subsection)	Date	Hours	Class/Jobsite Provide Class Title and Instructor Name <u>&and/or</u> Provide Jobsite Address and Supervisor Name
TOTAL HOURS				

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

_____ Employee

_____ Supervisor

_____ Instructor of Record



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COMMERCIAL SPRINKLER FITTER SKILL AREA REQUIRED HOURS

(1) Installation of Overhead Piping (4000 Hours)

- (A) Wet Pipe Systems;
- (B) Pipe Cutting, Welding, Threading and Grooving, Fittings, Valves, Hangers, and Seismic Bracing and Restraints;
- (C) Sprinkler Head Types, Application s, &and Operation s;
- (D) Copper Soldering &and Brazing; or.
- (E) Other areas as approved by the OSFM.

(2) Installation System Controlling Valves, Controlling Devices, Alarms and Specialty Systems (350 Hours)

- (A) Dry Pipe Systems
- (B) Pre-action Systems
- (C) Combination Dry Pipe Pre-action Systems
- (D) Antifreeze Systems
- (E) Deluge Systems
- (F) Circulating Closed Loop Systems
- (G) Multi-cycle Systems
- (H) Water Mist Systems
- (I) Foam Systems
- (J) Backflow Prevention
- (K) Fire Alarm Signaling Systems associated with Water-based Fire Protection Systems; or.
- (L) Other areas approved by the OSFM.
- ~~(A) Dry Systems;~~
- ~~(B) Special Systems; Pro-Action, Environmentally Friendly Systems such as Water Mist Systems/Fire Cycle;~~
- ~~(C) Foam and Co2 Systems;~~
- ~~(D) Back Flow Prevention;~~
- ~~(E) Alarms;~~
- ~~(F) Other areas as approved by the OSFM.~~

(3) Installation of Underground Piping/System Fire Service Supply (700 Hours)

- (A) Underground Piping; Fire Service Mains.
- (B) Fire Pumps ;
- (C) Tanks ;
- (D) Environmentally Friendly Practices (water recovery/de-chlorination); or.
- (E) Other areas as approved by the OSFM.

(4) Applicable Standards, Plans, Drawings, &and Green Practices (700 Hours)

- (A) Applicable Installation Standards ;
- (B) Trade Math ;
- (C) Isometric Drawing ;
- (D) Reading Sprinkler &and Architectural Plans ;
- (E) Economics of the Sprinkler Industry (material efficiency - waste reduction) ;
- (F) Green Practices ;
 - (i) Water Control &and Recycling ;
 - (ii) Material Efficiency and Recycling ;
 - (iii) Waste Reduction ;
 - (iv) Introduction to the Leadership in Energy &and Environmental Design Program (LEED) ;
 - (v) Operation and Maintenance Optimization; or.
 - ~~(vi)~~ (G) Other areas as approved by the OSFM.



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(5) Repair, Alteration, Inspection, Testing &and Maintenance (700 Hours)

- (A) Inspection, Testing &and Maintenance;
- (B) Environmentally Friendly Practices; or.
- (C) Other areas as approved by the OSFM.

(6) Safety (250 Hours)

- (A) Trade Safety, 10 Hour OSHA &and Motorized Lift Equipment Safety Training_{5.5}
- (B) CPR/First Aid_{5.5}
- (C) Knot Tying &and Rigging_{5.5}
- (D) Tools of the Trade_{5.5}
- (E) Human Relations/Foremanship_{5.5}
- (F) Training in Excavation and Trenching; or.
- (G) Other areas as approved by the OSFM.



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MULTI-FAMILY RESIDENTIAL SPRINKLER FITTER SKILL AREA REQUIRED HOURS

(1) Installation of Overhead Piping (2000 Hours)

- (A) Wet Pipe Systems;
- (B) Pipe Cutting, Welding, Threading and Grooving, Fittings, Valves, Hangers, and Seismic Bracing and Restraints;
- (C) Sprinkler Head Types, Applications, &and Operations;
- (D) Copper Soldering &and Brazing; or.
- (E) Other areas as approved by the OSFM.

(2) Installation System Controlling Valves, Controlling Devices, Alarms and Specialty Systems (300 Hours)

- (A) Dry Pipe Systems
- (B) Pre-action Systems
- (C) Combination Dry Pipe Pre-action Systems
- (D) Antifreeze Systems
- (E) Deluge Systems
- (F) Circulating Closed Loop Systems
- (G) Multi-cycle Systems
- (H) Water Mist Systems
- (I) Foam Systems
- (J) Backflow Prevention
- (K) Fire Alarm Signaling Systems associated with Water-based Fire Protection Systems; or.
- (L) Other areas approved by the OSFM.
- ~~(A) Dry Systems;~~
- ~~(B) Special Systems; Pro-Action, Environmentally Friendly Systems such as Water Mist Systems/Fire Cycle;~~
- ~~(C) Foam and Co2 Systems;~~
- ~~(D) Back Flow Prevention;~~
- ~~(E) Alarms;~~
- ~~(F) Other areas as approved by the OSFM.~~

(3) Installation of Underground Piping/System Supply Piping per the California Plumbing Code (200 Hours)

- (A) Underground Piping;
- (B) Fire Pumps₅;
- (C) Tanks₅;
- (D) Environmentally Friendly Practices (water recovery/de-chlorination); or.
- (E) Other areas as approved by the OSFM.

(4) Installation of Fire Service Mains per the California Fire Code (100 Hours)

(4)(5) Applicable Standards, Plans, Drawings, &and Green Practices (200 Hours)

- (A) Applicable Installation Standards₅;
- (B) Trade Math₅;
- (C) Isometric Drawing₅;
- (D) Reading Sprinkler &and Architectural Plans₅;
- (E) Economics of the Sprinkler Industry (material efficiency - waste reduction)₅;
- (F) Green Practices₅.
 - (i) Water Control &and Recycling₅;
 - (ii) Material Efficiency and Recycling₅;
 - (iii) Waste Reduction₅;
 - (iv) Introduction to the Leadership in Energy &and Environmental Design Program (LEED)₅;



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(v) Operation and Maintenance Optimization; or

~~(vi)~~(G) Other areas as approved by the OSFM.

~~(5)~~(6) **Repair, Alteration, Inspection, Testing &and Maintenance (300 Hours)**

(A) Inspection, Testing &and Maintenance;

(B) Environmentally Friendly Practices; or

(C) Other areas as approved by the OSFM.

~~(6)~~(7) **Safety (200 Hours)**

(A) Trade Safety, 10 Hour OSHA &and Motorized Lift Equipment Safety Training 5.7

(B) CPR/First Aid 5.7

(C) Knot Tying &and Rigging 5.7

(D) Tools of the Trade 5.7

(E) Human Relations/Foremanship 5.7

(F) Training in Excavation and Trenching; or

(G) Other areas as approved by the OSFM.