



Cat. No. CDFI500-PRO

Notes

## Section 10309 – Manufactured Electric Fireplaces

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Manufactured electric fireplaces.
- B. Accessories.

#### 1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Wood framed rough opening and enclosure.

#### 1.3 REFERENCES

- A. UL - 2021
- B. CSA - C22.2 No. 46

#### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- D. Manufacturer's warranty.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.

#### 1.6 WARRANTY

- A. Provide the manufacturers 2-year limited warranty on electrical components.

### PART 2 PRODUCTS

#### 2.1 ACCEPTABLE MANUFACTURERS

- A. Pre-fabricated Electric Fireplace:
  - 1. Base: Dimplex Electric Fireplace
    - Dimplex North America
    - 1367 Industrial Road
    - Cambridge ON N3H 4W3
    - 1-888-DIMPLEX
    - www.dimplex.com
    - archdesign@dimplex.com



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2. Substitutions not permitted
3. Requests for substitutions will be considered in accordance with provisions of Section 01600.

### 2.2 ELECTRIC FIREPLACES

- A. General:
  1. Provide all components and accessories required for a complete, functional unit.
  2. UL or CSA listed.
- B. Pre-fabricated Electric Fireplace:
  1. Base Product:
    - a) Dimplex Electric Fireplace
    - b) Model Number: CDFI500-PRO
  2. Description: 20" Water vapor flame effect cassette
  3. Dimensions:
    - w/ Media Plate*
      - a) Width: 20-1/8" / 508mm
      - b) Height: 9-1/2" / 241mm
      - c) Depth: 12" / 305mm
    - w/ Logset*
      - d) Width: 20-1/8" / 508mm
      - e) Height: 15-1/4" / 387mm
      - f) Depth: 14" / 355mm
  4. Framing Dimensions:
    - w/ Media Plate*
      - a) Width: 20-3/8" / 518mm
      - b) Height: 9-1/2" / 241mm
      - c) Depth: 12-1/4" / 311mm
    - w/ Logset*
      - d) Width: 20-3/8" / 518mm
      - e) Height: 9-1/2" / 241mm
      - f) Depth: 14-1/4" / 362mm

\*note: multiple units can be installed in a linear configuration
  5. Electrical:
    - a) Volts: 120
    - b) Watts: 230
    - c) Amps: 1.92
  6. Venting: Non-venting

**CAUTION:** When determining a location for the Opti-myst cassette, ensure that the unit will not be susceptible to drafts, vents, ceiling fans and other air currents. Similar to a candle, large movements of air will affect the unit's ability to create and maintain the flame effect
  7. Operation: Flame only (no heat)
  8. Heating: N/A

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9. Standard features:
  - a) Patented 3D flame effect produced by LED lights and fine mist
  - b) Optional plumbing connection for continuous water supply
  - c) Overflow sensor to automatically shutting off water supply to prevent leaks
  - d) Adjustable flame volume control
  - e) Safe, cool-touch surfaces, ideal for commercial applications
  - f) Multiple units can be connected together in series
10. Control options:
  - a) Direct wired to 120V circuit
  - b) Optional plug kit available
  - c) Multi-functional remote
  - d) Bluetooth receiver with manual controls
  - e) Built-in controls
11. Optional Accessories:
  - a) Log kit media – CDFILOG
  - b) Driftwood Media Kit – CDFI1000-DWSKIT
  - c) River Rock Media Kit – CDFI1000-RVRCK
  - d) Black Rock Media Kit – CDFI1000-BLKRCK
  - e) Plumb kit for continuous water supply – CDFIPLUMB-KIT
  - f) Plug kit – CDFI-PLUGKIT

### PART 3 EXECUTION

#### 3.1 INSPECTION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Verify proper power supply and fuel source are available.

#### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

#### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and requirements of authorities having jurisdiction.
- B. Use manufacturer's guidelines for minimum clearances to combustibles, walls, and finishes.
- C. Anchor all components firmly in position for long life under hard use.
- D. Upon completion of installation, visually inspect all exposed surfaces. Touch up scratches and abrasions with touch up paint recommended by the manufacturer;



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make imperfections invisible to the unaided eye from a distance of 5 feet (1.5 m).

### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

**END OF SECTION**