



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