

## 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 N1R 7G8
    - 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: BF45DXP
  2. Description: Realistic 45" direct-wire electric firebox
  3. Dimensions:
    - a) Width: 44-3/4"
    - b) Height: 32-3/4"
    - c) Depth: 15-1/4"
    - d) Height at back: 30-1/8"
  4. Framing Dimensions:
    - a) Width: 45-1/2"
    - b) Height: 33-1/2"
    - c) Depth: 16"
  5. Electrical:
    - a) Volts: 120 / 240 / 208
    - b) Watts: 1,440 / 2,700 / 2,100
    - c) BTUs: 5,000 / 9,000 / 7,200
    - d) Amps: 12 / 11.3 / 10.1
  6. Venting: Non-venting
  7. Operation: Flame only, flame and heat
  8. Heating: Louver-less, fan-forced circulation
  9. Liner: Refractory brick-look
  10. Standard features:
    - a) Flame/ember bed on/off
    - b) Purifire<sup>®</sup> Air Treatment System
    - c) Direct wire 120V or 240V
    - d) 3D flame effect with mirrored rear glass
    - e) On-demand fan-forced heater
    - f) Operable mesh spark screens
    - g) Cast urethane, inner-glow logs and pulsing ember bed
  11. Optional door kits:
    - a) Tamper-proof glass door
    - b) Bi-fold look glass door

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- 12. Optional trim kit: 3" black surround trim
- 13. Control options:
  - a) 3-stage remote control (flame, flame and half-heat, flame and full-heat)
  - b) Wall switch remote control kit
  - c) Wall-mount thermostat
  - d) 110/120V plug kit with 7 ft. cord

### **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; 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**