

SECTION 10 31 00

MANUFACTURED GAS FIREPLACES

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PART 1 GENERAL

1.1 SECTION INCLUDES

A. Gas fireplaces and accessories including the following:

1. Manufactured indoor gas fireplaces.

2. Manufactured indoor/outdoor gas fireplaces

3. Manufactured outdoor gas fireplaces.

4. Gas fireplace accessories.

1.2 RELATED SECTIONS

A. Section 06 10 00 - Rough Carpentry.

B. Section 22 14 13 - Facility Storm Drainage Piping.

C. Section 26 05 00 - Common Work Results for Electrical.

1.3 REFERENCES

A. ANSI Z21.44 - Gas-Fired Gravity and Fan Type Direct Vent Wall Furnaces.

B. ANSI Z21.88 - Vented Gas Fireplace Heaters.

C. Z21.50b - Vented Gas Fireplaces.

D. ANSI Z223.1 - National Fuel Gas Code.

E. CSA 2.22b - Vented Gas Fireplaces.

F. CSA 2.33 - Vented Gas Fireplace Heaters.

G. CAN/ULC S610 - Factory-Built Fireplaces.

H. UL 127 - Standard for Factory-Built Fireplaces.

I. UL 907 - Standard for Fireplace Accessories

J. UL 1482 - Standard for Safety for Solid-Fuel Type Room Heaters.

1.4 SUBMITTALS

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

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. Shop Drawings: Provide drawing of required clearances, rough-in of enclosure and utilities.

1. Selection Samples: For each finish product specified, two complete sets of color chips

representing manufacturer's full range of available colors and finishes.

D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum 5 year experience manufacturing similar products.

B. Installer Qualifications: Minimum 2 year experience installing similar products.

C. Multiple Installation Mock-Up: Provide a mock-up for evaluation of site and framing preparation techniques and installation workmanship.

1. Provide representative fireplace in area designated by Architect.

2. Do not proceed with remaining units until workmanship, installation and operation are approved by Architect.

3. Remake mock-up unit as required to produce acceptable work.

1.6 PRE-INSTALLATION MEETINGS

A. Convene minimum two weeks prior to starting work of this section.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.

B. Handling: Handle materials to avoid damage.

1.8 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 SEQUENCING

A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10 WARRANTY

A. Warranty: Provide manufacturer's standard warranty against defects in materials and workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Heat & Glo®, which is located at: 7571 215th St. W.; Lakeville, MN 55044; Toll Free Tel: 800-669-HEAT (4328); Email:request info (swansonm@hearthnhome.com); Web:www.heatnglo.com

B. Substitutions: Not permitted.

C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 MANUFACTURED MODERN INDOOR GAS FIREPLACES

A. Compliance - General:

1. Comply with applicable building codes.

2. Comply with ANSI Z21.88/CSA 2.33 or Z21.50b/CSA 2.22b.

**TRUE Series Gas Fireplace:**

1. Controls: RC300. Touch Screen Remote

2. Controls: Wireless Wall Switch

3. Controls: IntelliFire App.

4. Fronts-Doors: Forge Front in Hammered Steel.

5. Fronts-Doors: Forge Arched in Hammered Steel.

6. Fronts-Doors: Black Firescreen Front.

7. Fronts-Doors: Graphite Firescreen Front.

8. Fronts-Doors: New Bronze Firescreen Front.

9. Fronts-Doors: Black Arched Firescreen Front.

10. Fronts-Doors: Graphite Arched Firescreen Front.

11. Fronts-Doors: New Bronze Arched Firescreen Front.

12. Refractory: Stratford. Traditional Brick.

13. Refractory: Herringbone. Greige Brick.

14. Refractory: Fade Resistant Black Panel.

15. Heat Management Option – Heat Zone Kit.

16. Heat Management Option – Heat Out Kit.

17. Model TRUE-36 as manufactured by Heat & Glo.

a. Size: Unit Front Width: 61 inches (1549 mm). Framing Front Width: 59-1/2 inches (1511 mm). Unit Back Width: 59-1/4 inches (1505 mm). Framing Back Width: 59-1/2 inches (1511 mm). Unit Height: 57-5/8 inches (1464 mm). Framing Height: 56 inches (1422 mm). Unit Depth: 24 inches (610 mm). Framing Depth: 24 inches (610 mm). Glass Size: 35-7/8 inches x 31-1/16 inches (911 mm x 789 mm).

b. BTU/Hour Input: 28,000 - 45,000 (8.2 - 13.2 kW).

c. Efficiency: Steady State 76.2%, AFUE 51.9%, Canada EnerGuide 57.6%.

18. Model TRUE-42 as manufactured by Heat & Glo.

a. Size: Unit Front Width: 67 inches (1702 mm). Framing Front Width: 65-9/16 inches (1665 mm). Unit Back Width: 65-5/16 inches (1659 mm). Framing Back Width: 69-9/16 inches (1767 mm). Unit Height: 62-5/8 inches (1591 mm). Framing Height: 61 inches (1549 mm). Unit Depth: 24 inches (610 mm). Framing Depth: 24 inches (610 mm). Glass Size: 41-7/8 inches x 36-1/16 inches (1064 mm x 916 mm).

b. BTU/Hour Input: 30,000 - 55,000 (8.8 - 16.1 kW).

c. Efficiency: Steady State 77.2%, AFUE 67.0%, Canada EnerGuide 67.0%.

19. Model TRUE-50 as manufactured by Heat & Glo.

a. Size: Unit Front Width: 75 inches (1905 mm). Framing Front Width: 73-5/8 inches (1870 mm). Unit Back Width: 73-5/16 inches (1862 mm). Framing Back Width: 73-5/8 inches (1870 mm). Unit Height: 66-5/8 inches (1692 mm). Framing Height: 65 inches (1651 mm). Unit Depth: 24 inches (610 mm). Framing Depth: 24 inches (610 mm). Glass Size: 49-7/8 inches x 40-1/16 inches (1267 mm x 1018 mm).

b. BTU/Hour Input: 37,000 - 65,000 (10.8 - 19 kW).

c. Efficiency: Steady State 68.9%, AFUE 66.8%, Canada EnerGuide 69.1%.