

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 INDOOR GAS FIREPLACE INSERTS

**Cosmo Fireplace Insert:**

1. Controls: IntelliFire Plus RC100.

2. Controls: IntelliFire Plus RC200.

3. Controls: IntelliFire Plus RC300.

4. Front-Door: Black Halo Front. Rectangular front with convex face.

5. Front-Door: Fog Gray Halo Front. Rectangular front with convex face.

6. Front-Door: Black Folio Front.

7. Front-Door: Graphite Folio Front.

8. Front-Door: New Bronze Folio Front.

9. Media: Glass Media, Black.

10. Media: Glass Media, Crystal.

11. Media: Glass Media, Blue.

12. Media: Glass Media, Amber.

13. Media: Glass Media, White Glass Beads.

14. Media: Ceramic Fiber Stones

15. Gas Insert Surrounds: Black Cosmo Insert Surrounds - Small.

16. Gas Insert Surrounds: Black Cosmo Insert Surrounds - Medium.

17. Gas Insert Surrounds: Black Cosmo Insert Surrounds - Large.

18. Termination: Copper Square Termination Cap.

19. Termination: Black Square Termination Cap.

20. Termination: Stainless Steel Round Termination Cap.

21. Model COSMO-I30 as manufactured by Heat & Glo.

a. Size: Unit Front Width: 30-1/2 inches (775 mm). Front Width Min. Firebox Opening: 29-1/4 inches (743 mm). Unit Back Width: 20-1/4 inches (514 mm). Back Width Min. Firebox Opening: 20-1/2 inches (521 mm). Unit Height: 20-1/2 inches (521 mm). Height Min. Firebox Opening: 19-1/8 inches 9486 mm). Unit Depth: 13-7/8 inches 9352 mm). Depth Min. Firebox Opening: 13-7/8 inches 9352 mm). Glass Size: 27-1/2 inches X 12-7/8 inches (699 mm x 327 mm).

b. BTU/Hour Input: 23,000 (NG) (6.7 kW).

c. Efficiency: Steady State - 83.3%, AFUE - 76.7%, Canada EnerGuide - 77.2%.

22. Model COSMO-I35 as manufactured by Heat & Glo.

a. Size: Unit Front Width: 34-5/8. Front Width Min. Firebox Opening: 33-1/4 inches (845 mm). Unit Back Width: 23-1/2 inches (597 mm). Back Width Min. Firebox Opening: 24 inches (610 mm). Unit Height: 24 inches (610 mm). Height Min. Firebox Opening: 22-3/4 inches (578 mm). Unit Depth: 15-1/8 inches 384 mm). Depth Min. Firebox Opening: 15-1/8 inches 384 mm). Glass Size: 31-5/8 inches X 15-3/4 inches (803 mm X 400 mm).

b. BTU/Hour Input: 28,000 (NG) (8.2 kW).

c. Efficiency: Steady State - 83.3%, AFUE - 73.0%, Canada EnerGuide - 72.9%.