

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.

**Slim Line Gas Fireplace: SL-3X, SL-5/5X, SL-7/7X, SL-9/9X**

1. Controls: Smart-Stat – Remote (SL-3, SL-5, SL-7, SL-9 models)

2. Controls: WSK200 – Wall Switch (SL-3, SL-5, SL-7, SL-9 models)

3. Controls: RCT-MLT - Remote (SL-3, SL-5, SL-7, SL-9 models)

4. Controls: WSK-MLT - Wall Switch (SL-3, SL-5, SL-7, SL-9 models)

5. RC404 – Remote (X collection models, included standard)

6. Front- Firescreen – Black, New Bronze or Graphite

7. Front- Halston- Black, New Bronze or Graphite

8. Front- Clean Face - Black, New Bronze or Graphite

9. Front -Chateau - Black, New Bronze or Graphite

10. Front- Arcadia - Black, New Bronze or Graphite

11. Front Chateau Forged In Hammered Steel

12. Refractory: Ceramic Brick Style (SL-3, SL-5, SL-7, SL-9 models)

13. Refractory: Reflective Ceramic- Black (SL-3, SL-5, SL-7, SL-9 models)

14. Refractory: Reflective Ceramic- Black ( X collection models)

15. Trim Kit - Three sided in black

16. Trim Kit - Four sided in black

17. Trim Kit - Three sided in stainless steel

18. Trim Kit - Four sided in stainless steel

19. Heat Management Option – Heat Zone Kit

20. Heat Management Option – Heat Out Kit

21. Model SL-3X as manufactured by Heat & Glo.

a. Size: Unit Front Width: 33 inches (838 mm). Framing Front Width: 34 inches (864 mm). Unit Back Width: 22-3/4 inches (578 mm). Framing Back Width: 34 inches (864 mm). Unit Height: 32-3/8 inches (822 mm). Framing Height: 34-3/4 inches (882 mm). Unit Depth: 16-1/4 inches (413 mm). Framing Depth: 16-1/4 inches (413 mm). Glass Size: 24-1/8 inches x 16 inches (613 mm x 406 mm).

b. BTU/Hour Input: 11,500 - 21,000

c. Efficiency: Steady State 72%, AFUE 58%, Canada EnerGuide 61%.

22. Model SL-5 / SL-5X as manufactured by Heat & Glo.

a. Size: Unit Front Width: 36 inches (913 mm). Framing Front Width: 37 inches (940 mm). Unit Back Width: 25-3/4 inches (653 mm). Framing Back Width: 37 inches (940 mm). Unit Height: 34-3/8 inches (873 mm). Framing Height: 34-3/4 inches (882 mm). Unit Depth: 16-5/6 inches (415 mm). Framing Depth: 16-1/4 inches (413 mm). Glass Size: 27-3/16 inches x 18-1/16 inches (691 mm x 459 mm).

b. BTU/Hour Input: 14,900-21,000 (SL 5) 14,500-27,500 (SL-5X)

a. Efficiency: Steady State 72%, AFUE 59%, Canada EnerGuide \_61%.

23. Model SL-7 / SL-7X as manufactured by Heat & Glo.

a. Size: Unit Front Width: 41 inches (1041 mm). Framing Front Width: 42 inches (1067 mm). Unit Back Width: 30-3/4 inches (781 mm). Framing Back Width: 42 inches (1067 mm). Unit Height: 37-7/8 inches (962 mm). Framing Height: 38-1/4 inches (972 mm). Unit Depth: 16-5/16 inches (415 mm). Framing Depth: 16-1/4 inches (413 mm). Glass Size: 32-1/16 inches x 21-1/2 inches (814 mm x 546 mm).

b. BTU/Hour Input: 17,500-25,000 (SL-7) 17,500-30,500 (SL-7X)

a. Efficiency: Steady State 72%, AFUE 59%, Canada EnerGuide 61%.

24. Model SL-9 / SL-9X as manufactured by Heat & Glo.

a. Size: Unit Front Width: 48 inches (1218 mm). Framing Front Width: 49 inches (1245 mm). Unit Back Width: 37-3/4 inches (959 mm). Framing Back Width: 49 inches (1245 mm). Unit Height: 41-7/8 inches (1063 mm). Framing Height: 40-1/4 inches (972 mm). Unit Depth: 16-5/6 inches (415 mm). Framing Depth: 16-1/4 inches (415 mm). Glass Size: 39-1/16 inches x 23-9/16 inches (992 mm x 599 mm).

b. BTU/Hour Input: 23,500-30,000 (SL-9) 18,000-35,000 (SL-9X)

c. Efficiency: Steady State 72%, AFUE 59%, Canada EnerGuide \_61%.