

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.

**MEZZO See-Through (ST) Series as manufactured by Heat & Glo. Contact manufacturer.**

1. Clean, discreet, luxurious.

2. Controls: Wireless Wall Switch.

3. Controls: RC300 – Touch Screen Remote.

4. Controls: IntelliFire App.

5. Front-Door: Stainless Steel - Clean Face Trim.

6. Front-Door: New Bronze - Clean Face Trim.

7. Front-Door: Black - Clean Face Trim.

8. Front-Door: Loft Forge. Hand-crafted front.

9. Front-Door: Black Quattro.

10. Front-Door: New Bronze Quattro.

11. Media: Glass Media, Amber.

12. Media: Glass Media, Crystal.

13. Media: Glass Media, Cobalt Blue.

14. Media: Glass Media, Ebony Black.

15. Media: Glass Media, Red.

16. Media: Iced Fog.

17. Media: River Rock

18. Log Set: Natural Log Set.

19. Log Set: Driftwood Log Set

20. Heat Management Option – Zone Heat

21. Heat Management Option – Heat Out

22. Heat Management Option – Passive Heat Kit – Side Register

23. Heat Management Option – Passive Heat Kit – Front Register

24. Heat Management Option – Passive Heat Kit – Wall Register

25. Model MEZZO36 ST as manufactured by Heat & Glo.

a. Size: Unit Front Width: 46- 3/16 inches (1173 mm). Framing Front Width: 48-1/4 inches (1226 mm). Unit Back Width 46-3/16 inches (1173 mm). Framing Back Width: 48-1/4 inches (1226 mm). Unit Height: 41-3/4 inches (1060 mm). Framing Height: 42 inches (1067 mm). Unit Depth: 17-1/8 inches (435mm). Framing Depth: 17 inches (432 mm). Glass Size: 35-1/2 inches x 12-1/2 inches (902 mm x 318 mm).

b. BTU/Hour Input: 30,000 (NG) 8.79 (Kw).

c. Efficiency: Steady State - 49.2%, AFUE - 44.1%, Canada EnerGuide - 47.8%.

26. Model MEZZO48 ST as manufactured by Heat & Glo.

a. Size: Unit Front Width: 58 inches (1473 mm). Framing Front Width: 60-1/4 inches (1530 mm). Unit Back Width 58 inches (1473 mm). Framing Back Width: 60-1/4 inches (1530 mm). Unit Height: 41-3/4 inches (1060 mm). Framing Height: 42 inches (1067 mm). Unit Depth: 17-1/8 inches (435mm). Framing Depth: 17 inches (432 mm). Glass Size: 47-1/2 inches x 12-1/2 inches (1207mm x 318 mm).

b. BTU/Hour Input: 40,000 (NG) 11.72 (Kw).

c. Efficiency: Steady State - 57.2%, AFUE - 46.4%, Canada EnerGuide - 53.2%.

27. Model MEZZO60 ST as manufactured by Heat & Glo.

a. Size: Unit Front Width: 70 inches (1778 mm). Framing Front Width: 72-1/4 inches (1835mm). Unit Back Width 70 inches (1778 mm). Framing Back Width: 72-1/4 inches (1835 mm). Unit Height: 47-3/4 inches (1213mm). Framing Height: 48 inches (1219 mm). Unit Depth: 17-1/8 inches (435mm). Framing Depth: 17 inches (432 mm). Glass Size: 59-1/2 inches x 12-1/2 inches (1511mm x 318 mm).

b. BTU/Hour Input: 50,000 (NG) 14.65 (Kw).

c. Efficiency: Steady State - 63%, AFUE - 58%, Canada EnerGuide - 52.6%.

28. Model MEZZO72 ST as manufactured by Heat & Glo.

a. Size: Unit Front Width: 82 inches (2083 mm). Framing Front Width: 84-1/4 inches (2140mm). Unit Back Width 82 inches (2083 mm). Framing Back Width: 84 -1/4 inches (2140 mm). Unit Height: 47-3/4 inches (1213mm). Framing Height: 48 inches (1219 mm). Unit Depth: 17-1/8 inches (435mm). Framing Depth: 17 inches (432 mm). Glass Size: 71-1/2 inches x 12-1/2 inches (1816 mm x 318 mm).

b. BTU/Hour Input: 58,000 (NG) 16.99 (Kw).

c. Efficiency: Steady State - 61.3%, AFUE - 56.6%, Canada Energy Guide - 51.3%.