SECTION 10 31 08

Manufactured electric Fireplaces

1. GENERAL
	1. SECTION INCLUDES
		1. Traditional Electric Fireplaces
		2. Linear Electric Fireplaces
	2. RELATED SECTIONS
		1. Section 04 20 00 – Unit Masonry
		2. Section 06 10 00 - Rough Carpentry.
		3. Section 26 05 00 - Common Work Results for Electrical.
	3. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements, Submittal Procedures
		2. 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.

Note to Specifier: Contractor to provide rough opening shop drawings to ensure proper clearances of specified product.

* + 1. Shop Drawings: Contractor to indicate in plan, elevation, and section the electrical fireplace cabinet rough-opening dimensions, clearances, and electrical connection locations.
		2. Informational Submittals:
			1. Installer Qualifications
			2. Product Test Reports
			3. Sample Warranties
		3. Closeout Submittals:
			1. Operations & Maintenance data for installed system
	1. QUALITY ASSURANCE
		1. Installer Qualifications:
			1. Installer must be trained by the manufacturer and be up to date with all required training to maintain good-standing.
			2. Installer must be a certified professional by the National Fireplace Institute.
		2. Mock-Up: Provide a mock-up of the products specified in this section. Example to include all products and necessary accessories, including the selected color and finish. Final selection determined by Owner and Architect.
			1. Accepted mockups may be incorporated into the work.
			2. Provide mockups as indicated on the drawings.
	2. DELIVERY, STORAGE, AND HANDLING
		1. Deliver and store unopened products in a dry location until ready for installation.
		2. Handling: Handle materials to avoid damage.
		3. Protect all products from damage or exposure to adverse weather conditions.
	3. PROJECT CONDITIONS
		1. Schedule works around the ambient conditions required by the manufacturer. Do not perform work outside manufacturers recommended limits for environmental conditions.
		2. Prior to installation, verify that dimensions are consistent with those found on the construction drawings. Where discrepancies exist, confirm with the Architect before proceeding with work.

Note to Specifier: The below sequencing should incorporate any necessary inspections required for Local, Regional, State, and National Codes and Regulations.

* 1. SEQUENCING
		1. Ensure that products of this section are installed while proper trades are working to prevent interruption of construction progress.
	2. WARRANTY
		1. Warranty: Provide manufacturer's standard warranty against defects in materials and workmanship.
1. PRODUCTS
	1. MANUFACTURERS
		1. Basis of Design Manufacturer: Heat & Glo; a Hearth & Home Technologies Brand.
			1. Address: 7571 215th Street West Lakeville, MN 55044.
			2. Phone: (847) 259-7550.
			3. Website: [www.heatnglo.com/](NULL)
		2. Manufacturer List:
			1. Manufacturer:
		3. Substitution Limitations:
			1. Substitution requests must be submitted in accordance with Section 01 60 00.
			2. Single manufacturer to provide all primary products and accessories specified in this section.
	2. system requirements
		1. UL Certification: Provide manufactured fireplaces evaluated by UL for hazards in accordance with applicable safety standards and are UL 127 certified and labeled for compliance for its intended use.
		2. Regulatory Requirements: Install manufactured fireplaces to comply with the following:
			1. NFPA 70, "National Electrical Code."
			2. NFPA 211, "Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances."
		3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
		4. Blower: Variable heat control allows for heating output adjustment and operation independent from flame settings.
		5. Controls: Multi-function wireless remote, to control fireplace power, thermostat, blower, and lighting settings.
		6. Electrical Inputs:

[Specifier Notes] – Retain one of the first of the following two Amperage subparagraphs for “Format” models of wall mounted electric fireplaces. Retain the second option for all other Electric Fireplaces.

* + - 1. Amperage: 12.5 amps.
			2. Amperage: 15 amps.

[Specifier Notes] – Retain one of the following two subparagraphs for Voltage for traditional electric fireplaces. Retain the second option for all Linear Electric Fireplaces.

* + - 1. Voltage: 120 V (60Hz).
			2. Voltage: 240 V (60Hz).

Note to Specifier: Coordinated drawing designation with architect if utilizing multiple types in single project.

* 1. Traditional electric fireplaces
		1. 30-inch Built-in Traditional Electric Fireplaces. <Insert Drawing Designation>
			1. Basis of Design Product: SF-BI30-EB, SimpliFire Built-In, by Heat & Glo.
			2. Nominal Width: 30 inches.
			3. Viewing Area: 28-1/2 by 22-3/4 inches.
		2. 36-inch Built-in Traditional Electric Fireplaces. <Insert Drawing Designation>
			1. Basis of Design Product: SF-BI36-EB, SimpliFire Built-In, by Heat & Glo.
			2. Nominal Width: 36 inches.
			3. Viewing Area: 34-1/4 by 27-1/4 inches
		3. Design Characteristics:
			1. Remote: Multi-Function Remote

[Specifier Notes] – Retain one of the following two Heating Capacity subparagraphs.

* + - 1. Heating Capacity: Up to 5,000 BTU/hr.
			2. Heating Capacity: Up to 10,000 BTU/hr.

[Specifier Notes] – Retain one of the following two Connection Type subparagraphs.

* + - 1. Connection Type: Hardwire.
			2. Connection Type: Standard Wall Plug.
			3. Mounting type: Floor level, flush installation.
			4. Refractory: Standard traditional masonry.
			5. Fire Front: Flush mounted, metal framed front in black finish.

[Specifier Notes] – Retain the following two Decorative Front subparagraph according to project requirements.

* + - * 1. Decorative Front: Wide metal framed trim kit in black finish.
			1. Log Set: Painted ceramic logs.
			2. Lighting: Adjustable LED Illuminated flames and embers.
	1. Multi-sided Linear Electric Fireplaces
		1. 43-inch Built-in Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-SCT43-BK, Scion Trinity Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 43 inches.
			3. Viewing Area: 42-1/2 by 14-3/4 inches.
		2. 55-inch Built-in Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-SCT55-BK, Scion Trinity Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 43 inches.
			3. Viewing Area: 42-1/2 by 14-3/4 inches.
		3. Design Characteristics:
			1. Heating Capacity: Up to 5,000 BTU/hr.

[Specifier Notes] – Retain one of the following two Connection Type subparagraphs.

* + - 1. Connection Type: Hardwire.
			2. Connection Type: Standard wall plug.

[Specifier Notes] – Retain one of the following four Mounting Type subparagraphs.

* + - 1. Mounting Type: 3-Sided Built-in.
			2. Mounting Type: 2-sided Built-in.
			3. Mounting Type: Single sided Built-in.
			4. Mounting Type: Wall Mount Installation.
			5. Refractory: Black metal.
			6. Fire Front: Flush Mounted, metal front with glass fire screen and concealed heat vents.

[Specifier Notes] – Retain the following optional Mantle subparagraph according to project requirements.

* + - 1. Mantle: Floating mantle kit.

[Specifier Notes] – Retain one of the following three Log Set subparagraphs.

* + - 1. Log Set: Driftwood logs.
			2. Log Set: Alpine timber logs.
			3. Log Set: Natural birch logs.
			4. Lighting: Lighting: Adjustable, multi-colored LED Illuminated flames and ember bed with additional accent lighting.
			5. Media: Crystal glass.
	1. FLUSH Linear Electric Fireplaces
		1. 43-inch Flush Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-SC43-BK, Scion Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 43 inches.
			3. Viewing Area: 41-1/2 by 15 inches.
		2. 55-inch Flush Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-SC55-BK, Scion Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 55 inches.
			3. Viewing Area: 53-1/4 by 15 inches.
		3. 78-inch Flush Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-SC78-BK, Scion Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 78 inches.
			3. Viewing Area: 76-7/8 by 15 inches.
		4. Design characteristics.
			1. Heating Capacity: Up to 5,000 BTU/hr.
			2. Connection Type: Hardwire.
			3. Mounting type: Flush installation.
			4. Refractory: Black metal.
			5. Fire Front: Flush Mounted, metal front with glass fire screen and concealed heat vents.

[Specifier Notes] – Retain one of the following three Log Set subparagraphs.

* + - 1. Log Set: Driftwood logs.
			2. Log Set: Alpine timber logs.
			3. Log Set: Natural birch logs.
			4. Lighting: Adjustable, multi-colored LED Illuminated flames and ember bed with additional accent lighting.
			5. Media: Crystal glass.
	1. recessed Linear Electric Fireplaces
		1. 50-inch Wall Mount Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-ALLP50-BK, Allusion Platinum Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 50 inches.
			3. Viewing Area: 48 by 15 inches.
		2. 60-inch Wall Mount Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-ALLP60-BK, Allusion Platinum Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 60 inches.
			3. Viewing Area: 58 by 15 inches.
		3. 72-inch Wall Mount Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-ALLP72-BK, Allusion Platinum Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 72 inches.
			3. Viewing Area: 70 by 15 inches.
		4. 40-inch Wall Mount Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-ALL40-BK, Allusion Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 40 inches.
			3. Viewing Area: 31-3/8 by 11-1/4 inches.
		5. 48-inch Wall Mount Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-ALL48-BK, Allusion Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 48 inches.
			3. Viewing Area: 39-3/8 by 11-1/4 inches.
		6. 60-inch Wall Mount Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-ALL60-BK, Allusion Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 60 inches.
			3. Viewing Area: 51-3/16 by 11-1/4 inches.
		7. 84-inch Wall Mount Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-ALL84-BK, Allusion Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 84 inches.
			3. Viewing Area: 74-7/8 by 11-1/4 inches.
		8. Design Characteristics:
			1. Heating Capacity: Up to 5,000 BTU/hr.
			2. Connection Type: Hardwire.

[Specifier Notes] – Retain one of the following two Mounting Type subparagraphs.

* + - 1. Mounting Type: Recessed Installation.
			2. Mounting Type: Wall Mount Installation.
			3. Refractory: Black metal.
			4. Fire Front: Metal framed front.

[Specifier Notes] – Retain one of the following three Log Set subparagraphs.

* + - 1. Log Set: Driftwood logs.
			2. Log Set: Ceramic white stones.
			3. Lighting: Lighting: Adjustable, multi-colored LED Illuminated flames and ember bed.
			4. Media: Crystal glass.
	1. Multi-Sided Wall-Mount (Non-Structural) Linear Electric Fireplaces
		1. 43-Inch Wall-Mount Non-Structural Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-FM43-WH, Format Electric Fireplace, by Heat & Glo
			2. Nominal Width: 42 inches.
			3. Viewing Area: 36-1/16 by 12-5/8”
		2. 50-Inch Wall-Mount Non-Structural Linear Electric Fireplace. <Insert Drawing Designation>
			1. Basis of Design Product: SF-FM50-WH, Format Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 50 inches.
			3. Viewing Area: 36-1/16 by 12-5/8 inches.
		3. 60-Inch Wall-Mount Non-Structural Linear Electric Fireplace.
			1. Basis of Design Product: SF-FM60-WH, Format Electric Fireplace, by Heat & Glo.
			2. Nominal Width: 60 inches.
			3. Viewing Area: 36-1/16 by 12-5/8 inches.
		4. Design Characteristics
			1. Heating Capacity: 5,000 BTU/hr.

[Specifier Notes] – Retain one of the following two Connection Type subparagraphs.

* + - 1. Connection Type: Hardwire.
			2. Connection Type: Standard wall plug.

[Specifier Notes] – Retain one of the following four Mounting Type subparagraphs.

* + - 1. Mounting Type: 3-Sided Wall-Mount.
			2. Refractory: Black metal.
			3. Fire Front: Wall-Mounted, metal front with glass fire screen and concealed heat vents.

[Specifier Notes] – Retain the following optional Mantle subparagraph according to project requirements.

* + - 1. Mantle: Floating mantle kit.

[Specifier Notes] – Retain one of the following Log Set or Media Type subparagraphs.

* + - 1. Log Set: Alpine timber logs.
			2. Media: Crystal Glass
			3. Lighting: Adjustable, multi-colored LED Illuminated flames and ember bed with additional accent lighting.
1. EXECUTION
	1. Examination
		1. Examine substrates upon which work will be installed.
			1. Verify related work performed under other sections is complete and in accordance with Shop Drawings.
			2. Verify wall surfaces and opening framing is acceptable for installation of manufactured fireplaces.
			3. Verify distances to combustible materials in accordance with manufacturer’s written instructions, do not proceed with work if distances are not maintained.
		2. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.
		3. Proceed with installation only after unsatisfactory conditions have been corrected.
		4. Verify that locations of concealed reinforcements have been clearly marked for the installer.
		5. Locate reinforcement points and clearly mark their locations if not already done.
	2. Preparation
		1. Clean surfaces prior to installation.
		2. Prepare adjacent surfaces as recommended by the manufacturer for achieving optimal results.
	3. Installation
		1. Read all instructions before starting installation.
		2. Install per manufacturers installation guide.
		3. Startup and adjust to verify proper operation and performance and venting.
	4. Cleaning and Protection
		1. Clean and remove all stains, grime, or other soils using soap and water. Only use detergents approved by the manufacturer for use on the finishes specified. Do not use acid solutions, steel wool, and other harsh abrasives.
		2. Damaged products must be repaired or replaced prior to substantial completion.
		3. Protect installed products until completion of work specified in this section.
	5. DEMONSTRATION
		1. Demonstrate required testing and maintenance procedures to Owner’s Representative.
	6. Schedules

Note to Specifier: Place any necessary schedules below

end of section 10 31 08