SECTION 10300

MANUFACTURED FIREPLACES

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* Masonry Fireplace Industries, Inc.; manufactured fireplaces and wood fired pizza ovens.
This section is based on the products of Masonry Fireplace Industries, Inc., which is located at:P. O. Box 4338Riverside, CA 92514Toll Free Tel: 800-345-7078 Tel: 714-542-5397Fax: 951-588-8046Email: [request info (bharris@mason-lite.com)](https://arcat.com/rfi?action=email&company=Masonry%252BFireplace%252BIndustries%252C%252BInc.&message=RE%253A%2520Spec%2520Question%2520(10300mfp)%253A%2520&coid=45666&spec=10300mfp&rep=&fax=951-588-8046)
Web: <https://www.mason-lite.com>
 [ [Click Here](https://arcat.com/company/masonry-fireplace-industries-inc-45666) ] for additional information.
Masonry Fireplace Industries, Inc. (MFI) was started in 2005 by a group of three individuals who together, have over 100 years of experience in the fireplace manufacturing business. Our last venture was a highly profitable company with global sales that focused on fireplace distribution to national homebuilders.
Based in Santa Ana, California, MFI started operations in the later part of 2006. All of our fireplaces are listed with PFS under report number 08-154. We are currently offering 17 model variations designed for masonry fireplaces. Besides these standard models we offer custom sizes for custom needs. These modular concrete fire boxes are the lightest weight in their class with the highest heat resistant strength on the market.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Manufactured Fireplaces of the following types:
			1. Wood burning fireboxes.
			2. Gas B-vent system.
			3. Linear gas B-vent fireboxes.
			4. Vent free fireboxes.
		2. Pizza ovens.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03300 - Cast-in-Place Concrete.
		2. Section 04200 - Masonry Units.
		3. Section 05500 - Metal Fabrications.
		4. Section 06100 - Rough Carpentry.
		5. Section 15100 - Building Services Piping.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. American National Standards Institute (ANSI):
			1. ANSI Z21.11.2 - Gas-Fired Room Heaters, Volume II, Unvented Room Heaters.
			2. ANSI Z21.50 - Vented Decorative Gas Appliances.
		2. National Fire Protection Association (NFPA):
			1. NFPA 54 - National Fuel Gas Code.
			2. NFPA 211 - Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances.
		3. Underwriters Laboratories (UL):
			1. UL 103 - Standard for Factory-Built Chimneys for Residential Type and Building Heating Appliances.
			2. UL 127 - Standard for Factory-Built Fireplaces.
	1. SUBMITTALS
		1. Submit under provisions of Section 01300.
		2. Product Data:
			1. Manufacturer's data sheets on each product to be used.
			2. Preparation instructions and recommendations.
			3. Storage and handling requirements and recommendations.
			4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern and color.
		2. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
		2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
		3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
			1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
			2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
			3. Retain mock-up during construction as a standard for comparison with completed work.
			4. Do not alter or remove mock-up until work is completed or removal is authorized.
	1. PRE-INSTALLATION CONFERENCE
		1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
	2. DELIVERY, STORAGE, AND HANDLING
		1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
		2. Protect from damage due to weather, excessive temperature, and construction operations.
	3. PROJECT CONDITIONS
		1. 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.
	4. WARRANTY
		1. Manufacturer's Limited LifetimeWarranty: Provide manufacturer's standard limited warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Masonry Fireplace Industries, Inc., which is located at:P. O. Box 4338Riverside, CA 92514Toll Free Tel: 800-345-7078 Tel: 714-542-5397Fax: 951-588-8046Email: [request info (bharris@mason-lite.com)](https://arcat.com/rfi?action=email&company=Masonry%252BFireplace%252BIndustries%252C%252BInc.&message=RE%253A%2520Spec%2520Question%2520(10300mfp)%253A%2520&coid=45666&spec=10300mfp&rep=&fax=951-588-8046);Web: <https://www.mason-lite.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01600.

\*\* NOTE TO SPECIFIER \*\* At half the cost and half the weight of traditional masonry wood burning fireplaces, Mason-Lite provides both value and convenience for builders and homeowners. Upper-floor masonry fireplaces are now possible because of Mason-Lite's lightweight design. In addition, with its lightweight construction, Mason-Lite is easy to transport with lower costs for shipping and handling. Delete if not required.

* 1. WOOD BURNING FIREBOXES
		1. Performance Requirements:
			1. Standards Compliance: UL 127 and UL 103.
			2. Heat resistant fire tested up to 1700 degrees F (927 degrees C).

\*\* NOTE TO SPECIFIER \*\* Model sizes width is gross before fire brick added.

* + 1. Basis of Design: Mason-Lite Firebox; as manufactured and supplied by Mason-Lite by MFI, Masonry Fireplace Industries, LLC.
			1. Description: Modular concrete fire box with lightweight design.

\*\* NOTE TO SPECIFIER \*\* Delete application option not required.

* + - 1. Application: Indoor use.
			2. Application: Outdoor use.

\*\* NOTE TO SPECIFIER \*\* Delete model options not required.

* + - 1. Model MFP33:
				1. Configuration: Single sided.
				2. Opening Size: 33 x 22-1/2 inches (838 x 572 mm).
				3. Flue Size: 12 inches (305 mm).
			2. Model MFP39:
				1. Configuration: Single sided.
				2. Opening Size: 39 x 30-1/2 inches (991 x 775 mm).
				3. Flue Size: 12 inches (305 mm).
			3. Model MFP44:
				1. Configuration: Single sided.
				2. Opening Size: 44 x 30-1/2 inches (1118 x 775 mm).
				3. Flue Size: 12 inches (305 mm).
			4. Model MFP49:
				1. Configuration: Single sided.
				2. Opening Size: 49 x 30-1/2 inches (1245 x 775 mm).
				3. Flue Size: 14 inches (356 mm).
			5. Model MFP63:
				1. Configuration: Single sided.
				2. Opening Size: 63 x 30-1/2 inches (1600 x 775 mm).
				3. Flue Size: 16 inches (406 mm).
			6. Model MFP75:
				1. Configuration: Single sided.
				2. Opening Size: 75 x 30-1/2 inches (1905 x 775 mm).
				3. Flue Size: 16 inches (406 mm).
			7. Model MFPST43:
				1. Configuration: See through, double sided.
				2. Opening Size: 43 x 24-3/4 inches (1092 x 629 mm).
				3. Flue Size: 16 inches (406 mm).

\*\* NOTE TO SPECIFIER \*\* Delete base options not required.

* + - 1. Base: Metal base.
			2. Base: Concrete block.
			3. Base: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete liner options not required.

* + - 1. Liner: Firebrick, full running bond.
			2. Liner: Firebrick, split herringbone.
			3. Liner: Split running bond.
			4. Liner: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Our lightweight, gas burning masonry fireplaces are taking the hearth industry by storm. Complete with realistic logs, a remote control, and safety features, these fireplace systems are attractive on or off and have superior thermal output. Delete if not required.

* 1. GAS B-VENT SYSTEM
		1. Performance Requirements:
			1. Standards Compliance: ANSI Z21.50.

\*\* NOTE TO SPECIFIER \*\* Model sizes width is gross before fire brick added.

* + 1. Basis of Design: Mason-Lite Gas B-Vent System; as manufactured and supplied by Mason-Lite by MFI, Masonry Fireplace Industries, LLC.
			1. Description: Gas burning fireplace system utilizing B-Vent.

\*\* NOTE TO SPECIFIER \*\* Delete application option not required.

* + - 1. Application: Indoor use.
			2. Application: Outdoor use.

\*\* NOTE TO SPECIFIER \*\* Delete model options not required.

* + - 1. Model MGFP39:
				1. Configuration: Single sided.
				2. Opening Size: 39 x 32-7/8 inches (991 x 835 mm).

\*\* NOTE TO SPECIFIER \*\* Delete fuel option not required.

* + - * 1. Fuel: Natural gas, 65,000 BTU.
				2. Fuel: Propane.
				3. B-Vent: 10 inches (254 mm).
			1. Model MGFP44:
				1. Configuration: Single sided.
				2. Opening Size: 44 x 32-7/8 inches (1118 x 835 mm).

\*\* NOTE TO SPECIFIER \*\* Delete fuel option not required.

* + - * 1. Fuel: Natural gas, 65,000 BTU.
				2. Fuel: Propane.
				3. B-Vent: 10 inches (254 mm).
			1. Model MGFP49:
				1. Configuration: Single sided.
				2. Opening Size: 49 x 32-7/8 inches (1245 x 835 mm).

\*\* NOTE TO SPECIFIER \*\* Delete fuel option not required.

* + - * 1. Fuel: Natural gas, 80,000 BTU.
				2. Fuel: Propane.
				3. B-Vent: 10 inches (254 mm).
			1. Model MGFPST43:
				1. Configuration: See through, double sided.
				2. Opening Size: 43 x 24-3/4 inches (1092 x 629 mm).

\*\* NOTE TO SPECIFIER \*\* Delete fuel option not required.

* + - * 1. Fuel: Natural gas.
				2. Fuel: Propane.
				3. B-Vent: 12 inches (305 mm).
			1. Gas Logs: R.H. Peterson Real-Fyre realistic gas logs.
			2. Remote: Handheld remote for turning gas on or off.
			3. Ignition: Electronic with battery back-up.
			4. Shut-Off: Safety shut-off for fail safe operation.

\*\* NOTE TO SPECIFIER \*\* Delete base options not required.

* + - 1. Base: Metal base.
			2. Base: Concrete block.
			3. Base: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete liner options not required.

* + - 1. Liner: Firebrick, full running bond.
			2. Liner: Firebrick, split herringbone.
			3. Liner: Split running bond.
			4. Liner: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* At Mason-Lite we have been making custom masonry fireplaces for years with great success. Mason-Lite is proud to present our semi-custom linear fireplace line that spans from 4 foot up to 10 foot wide. We have tested 7 new models to the ANSI Z 21.50 standard for Vented Decorative Gas Appliances. This gives you even more peace of mind when using our Custom Linear units. Delete if not required.

* 1. LINEAR GAS B-VENT FIREPLACES
		1. Performance Requirements:
			1. Standards Compliance: ANSI Z21.50 and NFPA 211.
		2. Basis of Design: Mason-Lite Gas B-Vent System; as manufactured and supplied by Mason-Lite by MFI, Masonry Fireplace Industries, LLC. Tested and Listed by Radco Laboratories.
			1. Description: Gas burning fireplace system utilizing B-Vent.

\*\* NOTE TO SPECIFIER \*\* Delete application option not required.

* + - 1. Application: Indoor use.
			2. Application: Outdoor use.

\*\* NOTE TO SPECIFIER \*\* Delete model options not required.

* + - 1. Model LMFP48:
				1. Configuration: Single sided.
				2. Opening Size: 48 x 22-1/2 inches (1219 x 572 mm).
				3. Flue: 12 inches (305 mm).
			2. Model LMFP48-NT:
				1. Configuration: Single sided, no trough.
				2. Opening Size: 48 x 22-1/2 inches (1219 x 572 mm).
				3. Flue: 12 inches (305 mm).
			3. Model LMFP60:
				1. Configuration: Single sided.
				2. Opening Size: 60 x 22.53 inches (1524 x 572 mm).
				3. Flue: 12 inches (305 mm).
			4. Model LMFP60-NT:
				1. Configuration: Single sided, no trough.
				2. Opening Size: 60 x 22-1/2 inches (1524 x 572 mm).
				3. Flue: 12 inches (305 mm).
			5. Model LMFP72:
				1. Configuration: Single sided.
				2. Opening Size: 72 x 22-1/2 inches (1829 x 572 mm).
				3. Flue: 12 inches (305 mm).
			6. Model LMFP72-NT:
				1. Configuration: Single sided, no trough.
				2. Opening Size: 72 x 22-1/2 inches (1829 x 572 mm).
				3. Flue: 12 inches (305 mm).
			7. Model LMFP84:
				1. Configuration: Single sided.
				2. Opening Size: 84 x 22-1/2 inches (2134 x 572 mm).
				3. Flue: 12 inches (305 mm).
			8. Model LMFP84-NT:
				1. Configuration: Single sided, no trough.
				2. Opening Size: 84 x 22-1/2 inches (2134 x 572 mm).
				3. Flue: 12 inches (305 mm).
			9. Model LMFP96:
				1. Configuration: Single sided.
				2. Opening Size: 96 x 22-1/2 inches (2438 x 572 mm).
				3. Flue: Two, 12 inches (305 mm) each.
			10. Model LMFP96-NT:
				1. Configuration: Single sided, no trough.
				2. Opening Size: 96 x 22-1/2 inches (2438 x 572 mm).
				3. Flue: Two, 12 inches (305 mm) each.
			11. Model LMFP108:
				1. Configuration: Single sided.
				2. Opening Size: 108 x 22-1/2 inches (2743 x 572 mm).
				3. Flue: Two, 12 inches (305 mm) each.
			12. Model LMFP108-NT:
				1. Configuration: Single sided, no trough.
				2. Opening Size: 108 x 22-1/2 inches (2743 x 572 mm).
				3. Flue: Two, 12 inches (305 mm) each.
			13. Model LMFP120:
				1. Configuration: Single sided.
				2. Opening Size: 120 x 22-1/2 inches (3048 x 572 mm).
				3. Flue: Two, 12 inches (305 mm) each.
			14. Model LMFP120-NT:
				1. Configuration: Single sided, no trough.
				2. Opening Size: 120 x 22-1/2 inches (3048 x 572 mm).
				3. Flue: Two, 12 inches (305 mm) each.

\*\* NOTE TO SPECIFIER \*\* Delete fuel option not required.

* + - 1. Fuel: Natural gas.
			2. Fuel: Propane.

\*\* NOTE TO SPECIFIER \*\* Delete burner option not required.

* + - 1. Burner: Alpine Linear Burner.
			2. Burner: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete liner options not required.

* + - 1. Liner: Firebrick, full running bond.
			2. Liner: Firebrick, split herringbone.
			3. Liner: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* This unique Mason-lite universal Vent Free firebox kit gives the homeowners the convenience of using various approved manufacturers Vent Free gas log sets. Made from the same material as the other lightweight Mason-Lite fireplaces, it is able to be installed in multi-floor applications. Available masonry arches complete the look of this beautiful opening. Delete if not required.

* 1. VENT FREE FIREBOXES
		1. Performance Requirements:
			1. Standards Compliance: ANSI Z21.11.2.

\*\* NOTE TO SPECIFIER \*\* Model sizes width is gross before fire brick added.

* + 1. Basis of Design: Mason-Lite Vent Free Firebox; as manufactured and supplied by Mason-Lite by MFI, Masonry Fireplace Industries, LLC.
			1. Description: Modular concrete fire box with lightweight design.

\*\* NOTE TO SPECIFIER \*\* Delete application option not required.

* + - 1. Application: Indoor use.
			2. Application: Outdoor use.

\*\* NOTE TO SPECIFIER \*\* Delete model options not required.

* + - 1. Model MFP39VF:
				1. Configuration: Single sided.
				2. Opening Size: 39 x 30-1/2 inches (991 x 775 mm).
			2. Model MFP44 VF:
				1. Configuration: Single sided.
				2. Opening Size: 44 x 30-1/2 inches (1118 x 775 mm).
			3. Model MFP49 VF:
				1. Configuration: Single sided.
				2. Opening Size: 49 x 30-1/2 inches (1245 x 775 mm).
			4. Model MFPST43VF:
				1. Configuration: See through, double sided.
				2. Opening Size: 43 x 30-1/2 inches (1092 x 775 mm).

\*\* NOTE TO SPECIFIER \*\* Delete fuel option not required.

* + - 1. Fuel: Natural gas.
			2. Fuel: Propane.

\*\* NOTE TO SPECIFIER \*\* Delete burner option not required.

* + - 1. Burner: To be selected by Architect.
			2. Burner: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete liner options not required.

* + - 1. Liner: Firebrick, full running bond.
			2. Liner: Firebrick, split herringbone.
			3. Liner: Split running bond.
			4. Liner: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* The Perfect addition to your own outdoor kitchen. The long awaited Mason-Lite Toscana Wood Fired Pizza Oven brings ease to both the installation and operation of an outdoor masonry pizza oven. The Toscana Pizza Oven will give you the ability to cook your own mouth-watering custom pizzas from the privacy of your own backyard. Delete if not required.

* 1. PIZZA OVENS
		1. Basis of Design: Toscana Wood Fired Pizza Oven; as manufactured and supplied by Mason-Lite by MFI, Masonry Fireplace Industries, LLC.
			1. Application: Outdoor use.

\*\* NOTE TO SPECIFIER \*\* Delete model option not required.

* + - 1. Table Top Model:
				1. Overall Size: 48 x 28 x 42.125 inches (1219 x 711 x 1070 mm).
				2. Opening Size: Arched 18 x 10 inches (457 x 254 mm).

\*\* NOTE TO SPECIFIER \*\* Delete base option not required.

* + - * 1. Base: \_\_\_\_\_.
				2. Base: As indicated on Drawings.
			1. Model with Wood Storage:
				1. Overall Size: 48 x 28 x 75 inches (1219 x 711 x 1905 mm).
				2. Opening Size: Arched 18 x 10 inches (457 x 254 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: Stucco.
			2. Finish: Rock.
			3. Finish: Tile.
			4. Finish: Brick.
			5. Finish: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Optional. Delete if not required.

* + - 1. Door: Powder coated steel.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly constructed and prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Verify proper fuel source is available.
	1. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	2. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.
		2. Use manufacturer's guidelines for minimum clearances to combustibles, walls, and finishes.
		3. Set fireplace units plumb, level, and rigid.
		4. Anchor all components firmly in position.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Connect to fuel system in accordance with NFPA 54.
	1. FIELD QUALITY CONTROL
		1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.
		2. Test for proper operation, control and safety devices.
	2. CLEANING AND PROTECTION
		1. Clean products in accordance with the manufacturer's recommendations.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION