1.0 EVALUATION SCOPE

Compliance with the following codes:


Properties evaluated:

- Fire resistance
- Seismic resistance

For evaluation for compliance with codes adopted by Los Angeles Department of Building and Safety (LADBS), see ESR-2401 LABC and LARC Supplement.

2.0 USES

The Mason-Lite™ modular concrete fireplaces, Models MFP-33, MFP-39, MFP-44, MFP-49 and MFP-63 [Burntech Fireplace Solutions Models TFS33, TFS39, TFS44, TFS49 and TFS63 and Capo Fireside Artisan Series Models AS33, AS39, AS44, AS49 and AS63], comply with UL 127 and are constructed in the field using prefabricated concrete firebox components with factory-built chimneys. The fireplaces are for use only with solid wood logs, LPG or natural gas log lighters complying with CSA 8, and decorative gas appliances complying with ANSI Z 21.60.


3.0 DESCRIPTION

3.1 Fireplace Units:

The Mason-Lite™ Masonry Fireplace is a modular refractory masonry unit designed for field assembly. The firebox is constructed using precast, interlocking refractory blocks secured to each other using Mason-Lite mortar. The system is supplied with all parts necessary for the assembly of a complete masonry firebox unit. Figures 1 and 2 illustrate the Mason-Lite system components. For combustible floor installations, the Mason-Lite system includes a noncombustible raised platform designed to be placed beneath the field-assembled firebox unit. High-temperature refractory brick, 1 1/8 inches (28.6 mm) thick, is required to line the interior of the fireplace. See Table 1 for Masonry Fireplace Industries (MFI), Capo Fireside and Burntech Fireplace Solutions (Burntech) models, fireplace weights and floor areas.

The Mason-Lite™ Models MFP-33, MFP-39, MFP-44, MFP-49, and MFP-63 are also sold as Burntech Fireplace Solutions models TFS-33, TFS-39, TFS-44, TFS-49, and TFS-63, respectively. The products are also sold as Capo Fireside models AS33, AS39, AS44, AS49 and AS63.

3.2 Factory-built Chimneys:

The wood-burning fireplaces may only be used in conjunction with listed factory-built specific chimney systems. The MFP-33, MFP-39, MFP-44 (AS33, AS39, AS44, TFS33, TFS39, TFS44, TFS49), wood burning fireplaces require the use of a Desa/FMI DM12 12-inch-diameter (305 mm) chimney or 12- or 14-inch-diameter (305 or 356 mm) flue system listed by an approved agency as complying with UL103. The MFP-49 (AS49, TFS-49) fireplace requires a 14-inch-diameter (356 mm) flue system listed by an approved agency as complying with UL103. The MFP-63 (AS63, TFS63) fireplace requires the use of a
Desa/FMI DM16 16-inch-diameter (406 mm) flue system listed by an approved agency as complying with UL103 and labeled as “Residential Type and Building Heating Appliance Chimney”. As an alternative, the MFP-63 (AS63, TFS63) fireplace may use a dual Desa/FMI DM12 12-inch-diameter (305 mm) flue system. The chimneys are limited to a maximum height of 40 feet (12 192 mm) and a minimum height of 14 feet (4267 mm); except that, where offsets are used, the minimum height is 17 feet (5181 mm). No more than two offsets are permitted.

3.3 Fireplaces Equipped with a Decorative Gas Appliance:

The fireplace systems described in Section 3.1 may be installed with a decorative gas appliance listed in accordance with ANSI Z21.60, provided the fireplace is terminated with a 10-inch-diameter (254 mm) listed Type B gas vent.

3.4 Vented Gas-fired Fireplaces:

Models MGFP-39, MGFP-44, and MGFP-49 (GBVS39, GBVS44, GBVS49, ASG39, ASG44 and ASG49), complying with ANSI Z21.50, require the use of a listed 10-inch-diameter (254 mm) Type B gas vent and must comply with Chapter 8 of the IMC and Chapter 5 of the IFGC. The models must be as specified in the report holder’s Mason-Lite published installation instructions.

3.5 Unvented (Vent Free) Gas-fired Fireplaces:

Unvented (vent free) gas-fired fireplaces models MFP-39VF, MFP-44VF and MFP-49VF (VFS39, VFS44, VFS49, AS-39VF, AS-44VF and AS-49VF) complying with ANSI Z21.91, require the use of an unvented decorative room heater complying with ANSI Z21.11.2. See Table 1A for vent free fireplace weights and floor areas.

3.6 Grout and Mortar:

The grout and mortar used to construct the fireplace is provided by Masonry Fireplace Industries, LLC.

4.0 DESIGN AND INSTALLATION

4.1 General:

The fireplace units must be installed in accordance with this report, the fireplace report holder’s published installation instructions, and the applicable code. A copy of the report holder’s installation instructions must be available at the job site at all times during installation. As applicable, the factory-built chimney or Type B gas vent installation instructions must also be available at the job site at all times during installation.

4.2 Design:

When installed in accordance with Section 4.3 of this report and the manufacturer’s instructions, the fireplace units may be installed in Seismic Design Categories A through F. In Seismic Design Categories C, D, E and F, the seismic design parameters are limited to the values noted in Table 2. The seismic design must be in accordance with Sections 13.3, 13.4, 13.5 and 13.6 of ASCE 7.

When installed in accordance with Figure 10 or Figure 11 of this report, the Mason-Lite modular concrete fireplaces may be anchored to a concrete slab-on-grade, located in Seismic Design Categories A through F, as determined from the seismic design parameters shown in Table 2 of this report.

When installation is on wood floor construction, the licensed design professional must determine the requirements for support and anchorage for the combined gravity and seismic loading. The applicability of the seismic design parameters in Table 2 must be verified with due consideration of the flexibility of anchorage and supports. In addition, the calculated long-term deflection of the wood members supporting the fireplace must not exceed the values shown in IBC Table 1604.3 for floor members. Under the IRC, an engineered design must be provided in accordance with IRC Section R301.1.3.

4.3 Installation:

The Mason-Lite™ masonry fireplace system may be installed directly on concrete slabs and footings or on combustible floors, subject to the structural design limitations contained within this report. For concrete foundations, the fireplace base must be installed directly to the foundation. For combustible supporting systems, installation of a 1-inch-thick (25.4 mm) ceramic fiber-board, 6-inch-high (152 mm) or 8.5-inch-high (216 mm) metal support base and 1/2-inch-thick (12.7 mm) cement board is required before placement of the firebox hearth components. The precast components are assembled following the Mason-Lite published instructions and using the mortar described in Section 3.5. Minimum No. 4 reinforcing bar or 1/2-inch-diameter (12.7 mm) all-thread bar must be installed, and the cells of the precast components are grouted with Mason-Lite grout. Anchorage of the fireplace unit to the foundation or supporting floor must be as described in Section 4.2.

After completion of the construction of the lower firebox components, the precast lintel and firebox dome components are installed. The chimney anchor plate must then be attached to the firebox dome as shown in Figure 4. With the exception of the unvented (vent free) gas-fired fireplaces, once the installation of the chimney anchor plate is completed, the listed prefabricated chimney flue pipe or listed Type B gas vent must be installed. See Figures 5, 6 and 7. The clearances to combustibles must comply with Table 4 or Table 5. Installation of the chimney or gas vent must be in accordance with the chimney or gas vent listing, the chimney or gas vent report holder’s instructions and the applicable code.

Firebrick lining having a minimum thickness of 1 1/8 inches (29 mm) and complying with ASTM C1261 must be installed along with any required hearth extensions as shown in Figure 8.

Combustion air must be provided in accordance with IBC Section 2111.14, IRC Section R1006.1, IRC Section G2407 or IFGC Section 304, as applicable, and the report holder’s published installation instructions.

The wood-burning fireplace models specified in Table 7 may be installed with glass doors. Wood-burning fireplace Models MFP-63, TFS-63 and AS63 are not recognized for use with doors. The vented gas-fired fireplaces described in Section 3.4 may be installed with a Crown-Breckinridge glass door or a McKenzie-Pendleton glass door. The unvented (vent free) gas-fired fireplaces described in Section 3.5 are not recognized for use with doors.

5.0 CONDITIONS OF USE

The Mason-Lite modular concrete fireplaces described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The fireplaces must be installed in accordance with this report and the report holder’s published installation instructions. In the event of a conflict between this report and the report holder’s instructions, the more restrictive governs.

5.2 The fireplace units must be installed by contractors approved by Masonry Fireplace Industries, LLC.
5.3 When installation is over framed floor construction, the supporting structure and the anchorage of the fireplace unit to the supporting structure must be designed for all applicable loads, including gravity, wind and earthquake loading, and must include applicable load combinations in accordance with IBC Section 1605. The weights of the various components and the footprint of the installed unit are included in Table 1. The structural design and calculations must be prepared by a registered design professional and must be provided to the code official for approval.

5.4 When installation is over a slab-on-grade concrete foundation, the installation must be as shown in Figure 10 or Figure 11 of this report.

5.5 For fireplaces recognized for use with glass doors, see Section 4.3 and Table 7.

5.6 Compliance with the fireplace air leakage provisions found in 2018 and 2015 International Energy Conservation Code® (IECC) Section R402.4.2, 2012 IECC Section R402.4.2 and Table R402.4.1.1, 2018 and 2015 IRC Section N1102.4.2, 2012 IRC Section N1102.4.2 and Table N1102.4.1.1, 2009 IECC Section 402.4.3 and 2009 IRC Section N1102.4.3 are outside the scope of this report.

5.7 Under the 2018 IRC, 2018 IMC and 2018 IFGC, where factory-built chimneys pass through insulated assemblies, an insulation shield complying with 2018 IRC Section R1005.8, 2018 IMC Section 805.7 or 2018 IFGC Section 503.5.11, as applicable, must be installed.

5.8 The fireplace units are manufactured in Riverside, California, under a quality-control program with inspections by ICC Evaluation Service, LLC.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Field-constructed Fireplace Systems Using Prefabricated Blocks (AC375), dated February 2012 (editorially revised August 2019).

7.0 IDENTIFICATION

7.1 The components of the fireplace units, including mortar and grout, are supplied to the jobsite on a factory-assembled, shrink-wrapped pallet bearing a label with the company name (Masonry Fireplace Industries, LLC; Capo Fireside; or Burntech Fireplace Solutions) and address; the product name; the address of the manufacturing plant; and the evaluation report number (ESR-2401). A permanent label must be attached to the installed fireplace by the contractor, identifying the report holder’s or additional listee’s name; the product name; the manufacturing location; the date of manufacture and the serial number; the clearances to combustibles; other information required by UL 127; and the evaluation report number (ESR-2401).

7.2 The report holder’s contact information is the following:

MASONRY FIREPLACE INDUSTRIES, LLC
6391 JURUPA AVENUE
RIVERSIDE, CALIFORNIA 92504
(800) 345-7078
www.mason-lite.com

BURNTECH FIREPLACE SOLUTIONS
6250 PLAT AVENUE, NO. 577
WEST HILLS, CALIFORNIA 91307
www.burntech.com

CAPO FIRESIDE
26401 VIA DE ANZA
SAN JUAN CAPISTRANO, CALIFORNIA 92675
(949) 364-5118
www.capofireside.com

7.3 The Additional Listees’ contact information is the following:

TABLE 1—MASON-LITE FIREPLACE WEIGHTS AND FLOOR AREA

<table>
<thead>
<tr>
<th>MFI MODEL</th>
<th>MFP-33</th>
<th>MFP-39</th>
<th>MGFP-39</th>
<th>MFP-44</th>
<th>MGFP-44</th>
<th>MFP-49</th>
<th>MGFP-49</th>
<th>MFP-63</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPO FIRESIDE MODEL</td>
<td>AS33</td>
<td>AS39</td>
<td>ASG39</td>
<td>AS44</td>
<td>ASG44</td>
<td>AS49</td>
<td>ASG49</td>
<td>AS63</td>
</tr>
<tr>
<td>BURNTECH</td>
<td>TFS33</td>
<td>TFS39</td>
<td>GBVS39</td>
<td>TFS44</td>
<td>GBVS44</td>
<td>TFS49</td>
<td>GBVS49</td>
<td>TFS63</td>
</tr>
</tbody>
</table>

Fireplace Weight (lbs) 1,167 1,260 1,460 1,331 1,580 1,462 1,680 2,225

Damper/Anchor Plate, Firebrick, Grout & Mortar Weight (lbs) 350 380 380 430 430 480 480 550

Steel Platform Weight (lbs) 51 61 61 65 65 80 80 90

Maximum Chimney Weight (lbs/lineal ft) 10 10 10 10 10 12 12 15

Chimney or Vent Size-I.D. (inches) 12 12 10 12 10 14 10 16

Floor Area 37 in. x 28 in. (7.2 ft²) 42 in. x 28 in. (8.12 ft²) 48 in. x 28 in. (9.33 ft²) 53 in. x 28 in. (10.30 ft²) 67 in. X 28 in. (13.03 ft²)

For SI: 1 lb = 4.45 N, 1 in. = 25.4 mm, 1 lb/lineal ft. = 0.0146 N/mm, 1 ft² = 0.092 mm².

1MFP, AS and TFS designates fireplace used with a UL 103 complying listed factory-built chimney. MGFP, ASG and GBVS designates fireplace used with a listed Type B gas vent.

2AS49 fireplace requires the use of a 12-inch-diameter listed flue system. The MFP-63, AS63 and TFS63 fireplaces require the use of a dual 12-inch-diameter flue system or a single 16-inch-diameter flue system.
### TABLE 1A—MASON-LITE VENT FREE FIREPLACE WEIGHTS AND FLOOR AREA

<table>
<thead>
<tr>
<th>MFI MODEL</th>
<th>MFP-39VF</th>
<th>MFP-44VF</th>
<th>MFP-49VF</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPO FIRESIDE MODEL</td>
<td>ASVF-39</td>
<td>ASVF-44</td>
<td>ASVF49</td>
</tr>
<tr>
<td>BURNTech</td>
<td>VFS39</td>
<td>VFS44</td>
<td>VFS49</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fireplace Weight (lbs)</th>
<th>809</th>
<th>896</th>
<th>987</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortar, Rebar &amp; Ready Mix Concrete Weight (lbs)</td>
<td>350</td>
<td>357</td>
<td>364</td>
</tr>
<tr>
<td>Firebrick Lining Weight (lbs)</td>
<td>333</td>
<td>345</td>
<td>356</td>
</tr>
<tr>
<td>Floor Area</td>
<td>43 in. x 28 in. (8.12 ft&lt;sup&gt;2&lt;/sup&gt;)</td>
<td>48 in. x 28 in. (9.33 ft&lt;sup&gt;2&lt;/sup&gt;)</td>
<td>53 in. x 28 in. (10.33 ft&lt;sup&gt;2&lt;/sup&gt;)</td>
</tr>
</tbody>
</table>

For SI: 1 lb = 4.45 N, 1 in. = 25.4 mm, 1 ft<sup>2</sup> = 0.092 mm<sup>2</sup>.

### TABLE 2—SEISMIC DESIGN PARAMETERS

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplification factor, α&lt;sub&gt;b&lt;/sub&gt;</td>
<td>1.0</td>
</tr>
<tr>
<td>Component response modification factor, R&lt;sub&gt;c&lt;/sub&gt;</td>
<td>1.5</td>
</tr>
<tr>
<td>Maximum z/h factor; where z is the height in structure with respect to grade at point of attachment of the fireplace and h is the average roof height of structure with respect to the base elevation</td>
<td>0</td>
</tr>
<tr>
<td>Fundamental period of the fireplace, T&lt;sub&gt;p&lt;/sub&gt;</td>
<td>0.16</td>
</tr>
<tr>
<td>Maximum Spectral response acceleration parameter, S&lt;sub&gt;0&lt;/sub&gt;</td>
<td>1.25</td>
</tr>
</tbody>
</table>

### TABLE 3—DEFLECTION LIMITS

<table>
<thead>
<tr>
<th>CONSTRUCTION</th>
<th>L</th>
<th>S or W</th>
<th>D +L&lt;sub&gt;T&lt;/sub&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor members</td>
<td>l/360</td>
<td>---</td>
<td>l/240</td>
</tr>
</tbody>
</table>

<sup>1</sup>For wood structural members having a moisture content of less than 16 percent at time of installation and used under dry conditions, the deflection resulting from L + 0.5D is permitted to be substituted for the deflection resulting from L + D. (Note: contents of this table are from IBC Table 1604.3).

### TABLE 4—MINIMUM CLEARANCE TO COMBUSTIBLES FOR MFP, TFS AND MM SERIES WOOD-FIRED FIREPLACE SYSTEMS (inches)

| Unit front, sides, rear: | 2 |
| Combustible Floor (MFP-33 through MFP-49): | 6 |
| Combustible Sheathing above opening top: | 18 |
| Combustible Floor (MFP-63): | 8 |
| Sheathing or trim to opening sides: | 8 |
| Mantle above opening | 12 |
| Opening to sidewall: | 24 |
| Hearth extension beyond front: | 20 |
| Hearth extension beyond sides: | 12 |
| Insulation from firebox: | 2 |

For SI: 1 inch=25.4 mm.

### TABLE 5—MINIMUM CLEARANCE TO COMBUSTIBLES FOR MGFP, ASG AND GBVS SERIES GAS-FIRED FIREPLACE SYSTEMS (inches)

| Back/Side(s) | 0 |
| Top | 0 |
| Vent | 1 |
| Front<sup>1</sup> | 48 |
| Perpendicular Walls | 8 |
| Floor | 0 |
| Ceiling | 24 |
| Mantle<sup>2</sup> | 3 |

For SI: 1 inch=25.4 mm.

<sup>1</sup>Top of louver opening to ceiling.
<sup>2</sup>3-inch wide mantle.
### Table 6—Minimum Clearance to Combustibles for MFP-VF, VFS and AS-VF Series Gas-Fired Vent Free Fireplace Systems (Inches)

<table>
<thead>
<tr>
<th>Back/Side(s)</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>0</td>
</tr>
<tr>
<td>Combustible Floor</td>
<td>0</td>
</tr>
<tr>
<td>Opening to sidewall</td>
<td>3</td>
</tr>
<tr>
<td>Opening to ceiling</td>
<td>42</td>
</tr>
<tr>
<td>Opening to mantle (0 to 10 inches)</td>
<td>None</td>
</tr>
<tr>
<td>Opening to mantle (&gt;10 to 16 inches)</td>
<td>1½</td>
</tr>
<tr>
<td>Opening to mantle (&gt;16 to 18 inches)</td>
<td>3</td>
</tr>
<tr>
<td>Opening to mantle (&gt;18 to 20 inches)</td>
<td>6</td>
</tr>
<tr>
<td>Opening to mantle (&gt;18 to 22 inches)</td>
<td>8</td>
</tr>
<tr>
<td>Opening to mantle (&gt;22 inches)</td>
<td>10</td>
</tr>
</tbody>
</table>

For SI: 1 inch=25.4 mm.

*Maximum mantle projection.*

### Table 7—Wood-Burning Fireplaces for Use with Glass Doors

<table>
<thead>
<tr>
<th>Mason-Lite™ Fireplace Model</th>
<th>Mason-Lite™ Glass Door Model</th>
<th>Burntech Fireplace Model</th>
<th>Burntech Glass Door Model</th>
<th>Capo Fireside Fireplace Model</th>
<th>Capo Fireside Glass Door Model</th>
<th>Glass Panel Width (inch)</th>
<th>Overall Glass Door Width (inch)</th>
<th>Glass Door Height (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFP-33</td>
<td>MFP-33-GD</td>
<td>TFS33</td>
<td>TFS-33-GD</td>
<td>AS33</td>
<td>AS-33-GD</td>
<td>14 ¾</td>
<td>29 ½</td>
<td>20</td>
</tr>
<tr>
<td>MFP-44</td>
<td>MFP-44-GD</td>
<td>TFS44</td>
<td>TFS-44-GD</td>
<td>AS44</td>
<td>AS-44-GD</td>
<td>19 ½</td>
<td>39 ½</td>
<td>28</td>
</tr>
</tbody>
</table>

For SI: 1 inch=25.4 mm.

*The vented gas-fired fireplaces described in Section 3.4 may be installed with a Crown-Breckinridge glass door or a McKenzie-Pendelton glass door.*
FIREPLACE PARTS DIAGRAM
MODELS MFP33/39/44/49

Note: See MFI installation instructions for a complete description of the items shown.
FIREPLACE PARTS DIAGRAM
MODEL MFP63

Note: See MFI installation instructions for a complete description of the items shown.

Optional Outside Ø4"
Combustion Air Kit
Model No.: MFP4-AK

MFP63SHBL- Herringbone
MFP63FRBL- Running Bond

FIGURE 2
FIGURE 2 (Continued)

See Page 16 thru 18 for combustible floor and framing anchoring illustrations.

FIGURE 3—MASON-LITE ASSEMBLED FIREPLACE COMPONENTS
Place 1" Ceramic Fiber Blanket under Anchor Plate and secure with four 1/4-inch masonry anchors.

FIGURE 4
FIGURE 8

FIGURE 9

<table>
<thead>
<tr>
<th>Condition</th>
<th>Dim. “H”**</th>
</tr>
</thead>
<tbody>
<tr>
<td>with 6” platform</td>
<td>10”</td>
</tr>
<tr>
<td>with 8” platform</td>
<td>12”</td>
</tr>
<tr>
<td>without platform</td>
<td>3”</td>
</tr>
</tbody>
</table>

* Minimum clearance to combustible materials
** Measured from floor to top of firebrick liner
FIGURE 11—MASON-LITE INSTALLATION DETAILS 2018 AND 2015 IBC AND IRC

STRUCTURAL NOTES

1. SPECIAL INSPECTION SHALL MEET THE REQUIREMENTS OF 2018 CBC SECTION 1754 & 2015 IRC
2. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
3. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
4. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
5. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
6. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
7. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
8. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
9. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC
10. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED INSPECTOR 2018 CBC & 2015 IRC

SPECIAL INSPECTION REQUIRED

1. ANCHORS, ANCHOR BOLTS & BOWELS

A. USE ANY MANUFACTURER'S INSTALLATION REQUIREMENTS AND TESTING OF EXCISED BOWELS IN CONCRETE AT INSTALLATION OR AS PER CONTRACTOR'S REQUEST

NOTE: FOLLOW ALL MANUFACTURER'S INSTALLATION REQUIREMENTS.
1.0 REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that the Mason-Lite Modular Concrete Fireplaces described in ICC-ES evaluation report ESR-2401 have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:
- 2020 City of Los Angeles Building Code (LABC)
- 2020 City of Los Angeles Residential Code (LARC)

2.0 CONCLUSIONS

The Mason-Lite Modular Concrete Fireplaces, described in Sections 2.0 through 7.0 of the evaluation report ESR-2401, comply with LABC Chapters 13 and 28 and LARC Section R1004 (with the exception of LARC Section R1004.1.1), and are subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Mason-Lite Modular Concrete Fireplaces, described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report ESR-2401.
- The design, installation, conditions of use and identification are in accordance with the 2018 International Building Code® (IBC) and 2018 International Residential Code® (IRC) provisions noted in the evaluation report ESR-2401.
- The design, installation and inspection are in accordance with additional requirements of LABC Chapters 16 and 17, as applicable.
- The Mason-Lite Modular Concrete Fireplaces are not approved for use with solid wood logs.
- The Mason-Lite Modular Concrete Fireplaces, vented gas-fired, comply with ANSI Z21.50, and are constructed in the field and vented with a 10-inch diameter listed Type B gas vent as described in the evaluation report ESR-2401.
- The Mason-Lite Modular Concrete Fireplaces, when installed with a decorative gas appliance listed in accordance with ANSI Z21.60, shall be terminated with a 10-inch diameter listed Type B gas vent as described in the evaluation report ESR-2401.
- The Mason-Lite Modular Concrete Fireplaces, unvented gas-fired, comply with ANSI Z21.91 and are constructed in the field with an unvented decorative room heater complying with ANSI Z21.11.2 as described in the evaluation report ESR-2401.
- When installed with doors, the Mason-Lite Modular Concrete Fireplaces must be installed with the doors specified in the evaluation report ESR-2401 and when required by the California Energy Code (CEC), the combustible air intake specified in the evaluation report ESR-2401.
• The exterior air supply system to the fireplaces must comply with the requirements noted in 2020 LABC Section 2111.14.1 or 2020 LARC Section R1006, as applicable.

• The installation of the Mason-Lite Modular Concrete Fireplaces is limited to base floor and seismic parameters noted in Table 2 of the evaluation report [ESR-2401].

• Use of the Mason-Lite Modular Concrete Fireplaces, when subject to the 2020 Los Angeles City Green Building Code, must conform to the applicable section of 4.503.1 or 5.503.1 that requires the installation of a direct vent or sealed combustion chamber.

• The Mason-Lite Modular Concrete Fireplace installations in new or existing construction must conform to the provisions of South Coast Air Quality Management District Rule 445.

• The Mason-Lite Modular Concrete Fireplaces must be installed in accordance with the manufacturer’s published installation instructions, the 2020 LABC or 2020 LARC, and the evaluation report [ESR-2401]. A copy of the manufacturer’s published installation instructions must be available at the jobsite.

This supplement expires concurrently with the evaluation report, reissued January 2020 and revised March 2020.