

ICC-ES Evaluation Report

ESR-4445

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Subject to renewal March 2025


This report also contains:

- LABC, LAFC and LAMC Supplement

- CBC, CFC and CMC Supplement

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<p>DIVISION: 13 00 00— SPECIAL CONSTRUCTION</p> <p>Section: 13 30 00— Special Purpose Rooms</p>	<p>REPORT HOLDER: FRAMERY OY</p>	<p>EVALUATION SUBJECT: FRAMERY ONE COMPACT, FRAMERY ONE, FRAMERY FOUR, FRAMERY SIX, FRAMERY Q, FRAMERY 2Q, FRAMERY FNF</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018 and 2015 [International Building Code® \(IBC\)](#)
- 2021, 2018 and 2015 [International Fire Code® \(IFC\)](#)
- 2021, 2018 and 2015 [International Mechanical Code® \(IMC\)](#)
- 2021, 2018 and 2015 IAPMO *Uniform Mechanical Code* (IAPMO UMC)

Properties evaluated:

- Structural
- Surface burning characteristics
- Ventilation (mechanical)
- Accessibility (ICC/ANSI A117.1, Framery FnF only)

2.0 USES

Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery FnF enclosed booths are for interior use only, as an occupiable space, in new or existing buildings of any construction type when installed as described in this report. The single-story enclosed booths are for single-occupant use or multiple-occupant use with a maximum of six occupants. The enclosed booths are for use as a Business (Group B) occupancy or the same occupancy assigned to the area of the structure within which the booths are installed as intended for small assembly spaces in accordance with Item 1 of IBC Section 303.1.2. The booths described in this report are for use in Light Hazard Occupancies or in Ordinary Hazard (Group 1) Occupancies as defined in NFPA 13. Installation may be in structures located in Seismic Design Categories A through F.

3.0 DESCRIPTION

3.1 General:

Framery booth enclosures are single-story and consist of a floor module, side wall module(s), ceiling module, rear glass wall, and front glass wall with a glass single-swinging door. The factory-fabricated modules, rear glass wall, and front glass wall with a glass single-swinging door are assembled into a booth in the field at the jobsite. As an alternative, factory assembled booths may be installed at the jobsite. The booths may or may

not be equipped with a table, shelves, upholstered seating furniture, electrically operated appliances and accessories such as those described in Section 3.1.5. The booths are available in the following configurations:

3.1.1 Framery One Compact: Framery One Compact, serving one person, has overall dimensions of 40.7 inches (1030 mm) wide by 39.4 inches (1000 mm) deep by 88.6 inches (2250 mm) high. The approximate weight is 683 lbs. (310 kg). The booth is equipped with one floor-mounted stool (optional), one sidewall mounted table, a sign on each side of the door warning of the floor elevation change, and the accessories described in Section 3.1.8.

3.1.2 Framery One: Framery One, serving one person, has overall dimensions of 47.9 inches (1220 mm) wide by 40 inches (1016 mm) deep by 88.8 inches (2255 mm) high. Framery One Video Conference Ready (Framery One VCR) is equipped with a video display monitor. The approximate weight is 787 lbs. (357 kg). The booth is equipped with one floor-mounted stool (optional), one sidewall mounted table, a sign on each side of the door warning of the floor elevation change, and the accessories described in Section 3.1.8.

3.1.3 Framery Four: Framery Four, serving one to four persons, has overall dimensions of 92.6 inches (2352 mm) wide by 50.9 inches (1292 mm) deep by 91.7 inches (2329 mm) high. The approximate weight is 1146.4 lbs. (521 kg). The booth may or may not be equipped with either upholstered seating furniture, a table, and the accessories described in Section 3.1.8.

3.1.4 Framery Six: Framery Six, serving one to six persons, is similar in construction to Framery Four except the overall dimensions are 92.6 inches (2352 mm) wide by 103.6 inches (2632 mm) deep by 91.7 inches (2329 mm) high. The approximate weight is 1582.9 lbs. (719 kg). The booth may or may not be equipped with a table, chairs, sofas, and the accessories described in Section 3.1.8.

3.1.5 Framery Q: Framery Q, serving one to four persons, has overall dimensions of 86.6 inches (2200 mm) wide by 47.2 inches (1200 mm) deep by 87.4 inches (2220 mm) high. The approximate weight is 1543 lbs. (700 kg). The booth may or may not be equipped with either upholstered seating furniture or painted metal stools, a table, a monitor bracket and a sign on each side of the door warning of the floor elevation change, and the accessories described in Section 3.1.8.

3.1.6 Framery 2Q: Framery 2Q, serving one to six persons, is similar in construction to Framery Q except the overall dimensions are 92.5 inches (2350 mm) wide by 110.4 inches (2804 mm) deep by 87.3 inches (2217 mm) high. The approximate weight is 2094 lbs. (950 kg). The booth may or may not be equipped with a table, sofas, a monitor bracket and the accessories described in Section 3.1.8.

3.1.7 Framery FnF: Framery FnF, serving one to four persons, is an accessible booth similar in construction to Framery Q except it is equipped with a power-operated single-swing door, folding seats, folding table and a ramp with a 1:2 (50-percent) slope and the accessories described in Section 3.1.4. The overall dimensions are 86.6 inches (2200 mm) wide by 47.2 inches (1200 mm) deep by 87.4 inches (2220 mm) high. Framery FnF is also referred to as Framery Q Flip 'n Fold. The approximate weight is 1543 lbs. (700 kg).

3.1.8 Accessory electrical components: Accessory electrical components supplied by Framery may include light fixtures, fans, video display monitor, touchscreen, wiring, cables, raceways, control unit, motion sensor(s), power supply, power supply cord (for cord-connected booths), etc.

3.2 Materials:

3.2.1 Framery One, Framery Q, Framery 2Q and Framery FnF:

3.2.1.1 Sidewall module and ceiling module: For Framery One, the sidewall module and ceiling module are approximately 3.15 inches (80 mm) to 3.94 inches (100 mm) thick and constructed of steel sheets, acoustical material and fabric. For Framery Q, Framery 2Q and Framery FnF, the sidewall module and ceiling module are approximately 3.94 inches (100 mm) thick and constructed of laminated plywood, acoustical materials and steel sheets. The exterior of the sidewall module and ceiling module are covered with painted sheet metal, powder coated sheet steel or brushed stainless steel sheets.

3.2.1.2 Floor module: For Framery One, the floor module is approximately 4.25 inches (108 mm) thick and constructed of steel sheets and acoustical material. For Framery Q, the floor module is approximately 3.9 inches (100 mm) thick and constructed of plywood, acoustical material and carpet. For Framery 2Q and Framery FnF, the floor module is approximately 0.51 inches (13 mm) thick and constructed of laminated plywood, acoustical material and carpet.

3.2.1.3 Backside frame: For Framery Q, Framery 2Q and Framery FnF, the backside frame is constructed of laminated plywood.

3.2.1.4 Frontside frame: For Framery Q, Framery 2Q and Framery FnF, the frontside frame is constructed of laminated plywood.

3.2.1.5 Glazing: Laminated glazing is approximately 0.31-inches (8 mm) to 0.4 inches (10 mm) thick depending on the pane and complies with ANZI Z97.1 (Category Class A) and CPSC 16 CFR 1201 (Category Class II) and bears a label confirming compliance with these requirements.

3.2.1.6 Single-swing door: The door is constructed of laminated glazing approximately 0.31-inches (8 mm) to 0.4-inches (10 mm) thick, depending on the product, and complying with ANZI Z97.1 (Category Class A) and CPSC 16 CFR 1201 (Category Class II). Door hardware must comply with the applicable requirements of IBC Chapter 10.

3.2.1.7 Surface burning characteristics wall and ceiling finishes: Wall and ceiling finishes are Class A based on IBC Section 803.1 and testing in accordance with ASTM E84 or UL 723.

3.2.1.8 Floor coverings: Carpeted floor finishes are Class I based on IBC Section 804 and testing in accordance with ASTM E648 and comply with DOC FF-1 "pill test" (CPSC 16 CFR Part 1630) or ASTM D2859.

3.2.1.9 Upholstered furniture: Upholstered furniture complies with NFPA 261 and CAL-TB-117-2013 and bears a label confirming compliance with these requirements.

3.2.2 Framery One Compact, Framery Four and Framery Six:

3.2.2.1 Sidewall module and ceiling module: The sidewall module and ceiling module are approximately 3.4 inches (86.5 mm) to 4.0 inches (101.5 mm) thick and constructed of exterior powder coated steel sheets, acoustical material and interior fabric.

3.2.2.2 Floor module: For Framery One Compact, the floor module is approximately 3.4 inches (85.5 mm) thick and constructed of plywood, acoustical material and carpet. For Framery Four, the floor module is approximately 0.5 inches (12.7 mm) thick and constructed of plywood carpet. For Framery Six, the floor module is approximately 0.5 inches (12.7 mm) thick and constructed of laminated plywood and carpet.

3.2.2.3 Back frame: For Framery Four and Framery Six, the back frame is constructed of aluminum and steel.

3.2.2.4 Front frame: For Framery Four and Framery Six, the front is constructed of aluminum and steel.

3.2.2.5 Glazing: Laminated glazing is approximately 0.31-inches (8 mm) thick and complies with ANZI Z97.1 (Category Class A) and CPSC 16 CFR 1201 (Category Class II) and bears a label confirming compliance with these requirements.

3.2.2.6 Single-swing door: The door, measuring 80.3 inches (2040 mm) high by 33.5 inches (850 mm) wide for Framery One Compact or measuring 82.6 inches (2098 mm) high by 38 inches (966 mm) wide for Framery Four and Framery Six, is constructed of laminated glazing approximately 0.31-inches (8 mm) thick and complying with ANZI Z97.1 (Category Class A) and CPSC 16 CFR 1201 (Category Class II). Door hardware must comply with the applicable requirements of IBC Chapter 10.

3.2.2.7 Surface burning characteristics wall and ceiling finishes: Wall and ceiling finishes are Class A based on IBC Section 803.1 and testing in accordance with ASTM E84 or UL 723.

3.2.2.8 Floor coverings: Carpeted floor finishes are Class I based on IBC Section 804 and testing in accordance with ASTM E648 and comply with DOC FF-1 "pill test" (CPSC 16 CFR Part 1630) or ASTM D2859.

3.2.2.9 Upholstered furniture: Upholstered furniture complies with NFPA 261 and CAL-TB-117-2013 and bears a label confirming compliance with these requirements.

3.3 Mechanical ventilation: Mechanical ventilation, provided by electrically-operated fans, is 55 cfm (26 l/s) to 76 cfm (36 l/s) for Framery One Compact, 63.5 cfm (30 l/s) for Framery One, 165 cfm (78 l/s) to 212 cfm (100 l/s) for Framery Four, 316 cfm (149 l/s) to 397 cfm (187 l/s) for Framery Six, 140 cfm (66 l/s) for Framery Q, 256 cfm (121 l/s) for Framery 2Q, and 140 cfm (66 l/s) for Framery FnF, meeting the minimum requirements of IMC Section 403 and UMC Section 403.

3.4 Anchors: Post installed anchors for mechanically attaching the floor module of the enclosed booth to concrete floor must be concrete anchors certified in an ICC-ES evaluation report that are suitable for the intended application. Anchorage for mechanically attaching the floor module of the enclosed booth to a wood floor must be either conventional fasteners as prescribed in the IBC or fasteners certified in an ICC-ES evaluation report that are suitable for the intended application. The anchors or fasteners must be installed in accordance with the enclosed booth manufacturer's installation instructions, the ICC-ES evaluation report for the anchor or fastener, and under special inspection in accordance with Section 4.5 of this report, as applicable.

4.0 DESIGN AND INSTALLATION

4.1 General:

Framery enclosed booths must be installed in accordance with this report, the report holder's published installation instructions, and the applicable code. The report holder's published installation instructions must be available on the jobsite at all times.

4.2 Installation inside structures located in Seismic Design Categories (SDC) A or B:

For structures located in Seismic Design Categories A or B, when subjected to seismic loads, anchoring the Framery enclosed booths to the floor of the structure is optional. For Framery enclosed booths installed inside structures located in Seismic Design Categories A or B that are anchored to the floor of the structure, design of anchorage must be determined by a registered design professional.

4.3 Design and Installation inside structures located in Seismic Design Categories (SDC) C through F:

Framery enclosed booths installed inside structures located in Seismic Design Categories C through F, subjected to seismic loads, must be anchored to the floor of the structure. Design of anchorage of the Framery enclosed booths to the floor of the structure must be determined by a registered design professional.

4.4 Design:

The registered design professional must consider all applicable loads induced by the enclosed booth, in accordance with IBC Chapter 16 and Section 13.3 of ASCE 7, for the anchorage design. The anchorage design in concrete floor substrates must be in accordance with ACI 318. The anchorage design in wood floor substrates must be in accordance with the NDS.

4.5 Special Inspection:

Special inspection is required during concrete post installed anchor installations in accordance with the ICC-ES evaluation report on the anchors and IBC Section 1705.3.

5.0 CONDITIONS OF USE:

The Framery enclosed booths 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 Framery booths must be manufactured, identified and installed in accordance with this report, the report holder's published installation instructions and the applicable code. If there are any conflicts between the published installation instructions and this report, this report governs.
- 5.2 Framery enclosed booths are limited to use as an occupiable space. Use as a habitable space is outside the scope of this report.
- 5.3 The enclosed booths are considered an occupiable space limited to use as a Group B occupancy or the same occupancy assigned to the area of the structure within which the enclosed booth is installed as intended for small assembly spaces in accordance with Item 1 of IBC Section 303.1.2.
- 5.4 The enclosed booths are for use in Light Hazard Occupancies or in Ordinary Hazard (Group 1) Occupancies, as defined in NFPA 13, under one of the following conditions:
 - A. Enclosed booths not equipped with a sprinkler must be limited to use in unsprinklered buildings limited to Light Hazard Occupancies or in buildings equipped with an automatic sprinkler system that are limited to Light Hazard Occupancies.
 - B. Enclosed booths equipped with a sprinkler are intended for use in buildings equipped with an automatic sprinkler system that are limited to Light Hazard Occupancies or Ordinary Hazard (Group 1) Occupancies.
- 5.5 When required by the building official, an automatic sprinkler is to be installed in each enclosed booth in accordance with IBC Section 903.3. As an alternative to installing a sprinkler in each enclosed booth, the permit applicant may propose use of the automatic sprinkler system within the existing building as a means to protect the enclosed booth(s) provided a documented engineering analysis based on a sprinkler effectiveness test is submitted to, and approved by, the code official at the time of permit application.
- 5.6 When required by the building official, each enclosed booth must be equipped with a smoke detector and a means of interconnecting to the existing building's fire alarm system and occupant notification system in accordance with IBC Section 907.
- 5.7 When provided with transparent glazed openings so that occupants can see visible alarm notification appliances located outside the enclosed booth, the view must not be obstructed by the posting of signs, decorations, or the installation of blinds or draperies.
- 5.8 When required by the building official, each enclosed booth must be equipped with a portable fire extinguisher in accordance with IBC Section 906 and IFC Section 906.
- 5.9 In accordance with Exemption 3 of Section 13.1.4 of ASCE 7-16 or ASCE 7-10, the enclosed booths are not required to be mechanically attached (anchored) to the structure when the building is located in Seismic Design Categories A and B.

- 5.10** In accordance with Section 13.4 of ASCE 7-16 or ASCE 7-10, the enclosed booths are required to be mechanically attached (anchored) to the structure when the building is located in Seismic Design Categories C, D, E or F.
- 5.11** Calculations of the anchorage design must be prepared by a registered design professional and submitted to, and approved by, the code official.
- 5.12** The structural adequacy of the floor system on which the booths are installed must be evaluated by a registered design professional and submitted to, and approved by, the code official.
- 5.13** If an enclosed booth does not comply with the means of egress, accessibility and interior space dimension requirements of IBC Chapters 10, 11, and 12, respectively, the plans must be submitted to, and approved by, the code official at the time of permit application or an additional booth complying with the means of egress, accessibility and interior space dimension requirements of IBC Chapters 10, 11 and 12 must be provided.
- 5.14** The electrical safety requirements and energy efficiency of the enclosed booths are outside the scope of this report. When applicable, evidence of compliance with the National Electrical Code (NFPA 70) must be submitted to, and approved by, the code official.
- 5.15** The Framery enclosed booths are manufactured under a quality-control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Enclosed Booths for Installation Inside New and Existing Buildings \(AC519\)](#), dated February 2022.

7.0 IDENTIFICATION

- 7.1** The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-4445) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
- 7.2** In addition, Framery enclosed booths bear a product label that includes the Framery company name and address, the model (Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q or Framery FnF), date of manufacture, and the ICC-ES evaluation report number (ESR-4445).
- 7.3** The report holder's contact information is the following:

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ICC-ES Evaluation Report ESR-4445 LABC, LAFC and LAMC Supplement

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DIVISION: 13 00 00—SPECIAL CONSTRUCTION

Section: 13 30 00—Special Purpose Rooms

REPORT HOLDER:

FRAMERY OY

EVALUATION SUBJECT:

FRAMERY ONE COMPACT, FRAMERY ONE, FRAMERY FOUR, FRAMERY SIX, FRAMERY Q, FRAMERY 2Q, FRAMERY FNF

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf, described in ICC-ES evaluation report [ESR-4445](#), 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:

- 2023 *City of Los Angeles Building Code* (LABC)
- 2023 *City of Los Angeles Fire Code* (LAFC)
- 2023 *City of Los Angeles Mechanical Code* (LAMC)

2.0 CONCLUSIONS

The Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf, described in Sections 2.0 through 7.0 of the evaluation report [ESR-4445](#), comply with the LABC, LAFC and LAMC and are subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-4445](#).
- The design, installation, conditions of use and identification of the Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf are in accordance with the 2021 *International Building Code*® (IBC), 2021 *International Fire Code*® (IFC) and 2021 IAPMO Uniform Mechanical Code® (IAPMO UMC) provisions noted in the evaluation report [ESR-4445](#).
- The design, installation and inspection are in accordance with additional requirements of the LABC of Chapters 16 and 17, LAFC and LAMC, as applicable.

This supplement expires concurrently with the evaluation report, reissued March 2024 and revised September 2024.

DIVISION: 13 00 00—SPECIAL CONSTRUCTION

Section: 13 30 00—Special Purpose Rooms

REPORT HOLDER:

FRAMERY OY

EVALUATION SUBJECT:

FRAMERY ONE COMPACT, FRAMERY ONE, FRAMERY FOUR, FRAMERY SIX, FRAMERY Q, FRAMERY 2Q, FRAMERY FNF

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf, described in ICC-ES evaluation report ESR-4445, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2022 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Fire Code (CFC)
- 2022 California Mechanical Code (CMC)

2.0 CONCLUSIONS

2.1 CBC:

The Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf, described in Sections 2.0 through 7.0 of the evaluation report ESR-4445, comply with the CBC, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 16 and 17, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CFC:

The Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf, described in Sections 2.0 through 7.0 of the evaluation report ESR-4445, comply with the CFC, provided the design and installation are in accordance with the 2021 *International Fire Code*® (IFC) provisions noted in the evaluation report.

2.3 CMC:

The Framery One Compact, Framery One, Framery Four, Framery Six, Framery Q, Framery 2Q and Framery Fnf, described in Sections 2.0 through 7.0 of the evaluation report ESR-4445, comply with the CMC, provided the design and installation are in accordance with the 2021 IAPMO Uniform Mechanical Code® (IAPMO UMC) provisions noted in the evaluation report.

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