

# PHONE BOOTH COMPLIANCE GUIDE

At ROOM, we're rethinking the modern workspace with simple, sustainable, and modular architecture. This comprehensive guide presents our product safety compliance for office-use buildings and shares how you can leverage ROOM to create a better workplace. Other occupancy classifications and locations may have different or additional requirements. The customer is ultimately responsible for compliance to all local codes.

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## 1. OVERVIEW

This document is a comprehensive and technical product compliance guide for Phone Booths designed to assist clients, architects, building and fire officials or AHJ on the workplace looking to use ROOM.

In addition to providing details on ROOM's Phone Booth, this document also includes recommendations on how to best integrate ROOM Phone Booths into your office layout, along with facts about compliance and safety.

## 2. PHONE BOOTH DIMENSIONS AND CONSTRUCTION

### Dimensions :

Exterior	H 88.8" x W 41.5" x D 43.8" / H 225.6cm x W 105.4cm x D 111cm *Depth includes door handle
Interior	H 82.7" x W 36.5" x D 38.4" / H 203.2cm x W 92.7cm x D 97.5cm
Desk height	42.8" / 108.7cm
Weight	450 lbs

## Construction:

**Exterior Walls** - Sequenced in picture from exterior to interior as shown in the picture below.



- Exterior Panel: Particleboard with textured laminate
- Acoustic Insulation: PET
- Textile: Acoustic Felt, 100% natural breathable wool with no-dye-added

**Roof** - Particleboard with textured laminate, MDF and PET acoustic insulation

**Base** - Carpet, MDF wood, steel, and PET

### Door consists of:

- Exterior - Powder coated sheet metal
- Interior - 6 mm Acrylic with powder coated Aluminum extrusions

## Accessories & Stools

Phone Booth comes with optional accessories such as Stools and an Accessory Kit constructed with steel and processed wood.

## Domestically Sourced Materials

The Phone Booth is manufactured in the US with roughly 90% of the components (by weight) sourced domestically.

## Flammability

Textile and Door fall under Class A or Type I

Exterior Walls, Roof, and Base fall under Class C or Type III

The above classification system is described in NFPA 101 or other codes.

## 3. PHONE BOOTH CERTIFICATIONS

**UL Listed:** The entire Booth is UL listed and conforms to UL STD 962. UL is part of a group called Nationally Recognized Testing Laboratory (NRTL) that tests to the UL standards.

**Conforms to UL STD 962:** UL 962 recently underwent revisions and is now the standard for prefabricated privacy booths. The scope has been broadened to include new electrical, egress, and fire safety requirements for these products.

**SCS Indoor Advantage Gold:** Indoor Advantage Gold Certification is SCS Global Services' highest level of indoor air quality performance for furniture. The certification assures that furniture products support a healthy indoor environment by meeting strict chemical emission limits for volatile organic compounds (VOCs). To be certified, products must be tested by independent labs for compliance with the ANSI/BIFMA X7.1, and either ANSI/BIFMA e.3 or CDPH/EHLB Standard Method V1-1 for VOC emissions of concerns.

**CSA STD 22.2 #203 certified:** Canadian Standards Association (CSA) is a group that sets safety standards in Canada. ROOM's UL listing is certified to CSA 22.2 #203, the category for modular electrical systems for office furniture.

**BIFMA certified:** Business and Institutional Furniture Manufacturer's Association (BIFMA) is the leader in developing furniture safety, durability, and sustainability standards. UL standards for furniture dictate that products adhere to certain BIFMA guidelines.

**ASTM E84 tested:** ASTM E84 is the standard testing method for Surface Burning Characteristics of Building Materials. It's the fire test dictated by UL 962. Test results for ROOM meet the requirements set by UL STD 962. ROOM's UL listing indicates that the Booth meets UL 962 standards for flammability.

**TSCA VI compliant:** TSCA VI is the formaldehyde emissions standards for composite wood products. EPA TSCA VI is the federally adopted standard based on CARB, which was developed in the State of California. All of ROOM's Particleboard and MDF is compliant to TSCA VI because it's CARB Phase II compliant.

#### 4. FIRE PROTECTION AND SAFETY

The standards evaluated against are listed below:

- International Building Code, 2018 edition (IBC)
- NFPA 13: Installation of Sprinkler Systems, 2016 Edition
- NFPA 72: National Signaling and Fire Alarm Code, 2016 Edition
- NFPA 101: Life Safety Code, 2018 Edition

## Sprinkler System Interface

The Booth is not equipped with a fire suppression system, therefore, it relies on the building sprinkler system, but to be clear with the requirements, below is an interpretation as to why the ROOM Phone Booths are compliant for omission of sprinkler installation as per ROOM's professional interpretation and judgement of the applicable Codes and Standards.

It should be noted that some AHJ's have issued Code Interpretations or amended the local code with more stringent requirements for fire protection and require all pre-fabricated pod products to be fitted with sprinklers and/or speaker/strobes. In those cases we can provide an access point for sprinkler installation by pre-drilling into the roof or provide drawings showing where it is safe to drill in the roof for on-site adjustments. These AHJ's include, but are not limited to San Francisco, CA and Bellevue, WA. The customer is responsible for compliant installation to all codes and for due diligence of the fire requirements pertaining to the local jurisdiction.

### Why is the ROOM Phone Booth compliant for omission of sprinkler installation?

Section 903.3.3 of the IBC and the obstruction rules of NFPA 13 allows for sprinkler omission under obstructions less than 4ft wide. The intent of NFPA 13 is that the width of an object is the lesser of the two horizontal dimensions (with the length being the longer horizontal dimension). As such, sprinkler protection is not required under objects where the length is greater than 4 feet and the width is 4 feet or less.

The Booth is less than 4ft wide, therefore it meets the obstruction requirements per both IBC and NFPA 13.

Some AHJ require more stringent requirements for the buildings and in those cases, we can provide an access point for sprinkler installation.

## Fire Alarm Interface

### Why is the ROOM Booth compliant for omission of integration to the fire alarm system interface?

The building fire alarm signaling system must be arranged to produce a sound level at least 15 decibels (dBA) above the average ambient sound level; the pod system needs to be tested to show that the building fire alarm system can provide the required sound levels inside of the pod with the roof intact (closed).

If the pods are only used for employee use areas, a strobe notification appliance is not needed unless the employees in the space are hearing impaired. Since the 2006 edition of the IBC, a 20-percent spare capacity is required to be built into the building fire alarm system to add strobes if needed. If required, the strobe appliance can be located outside of the pod if the strobe light is able to penetrate into the space. The penetration of light can be through glass side panels via a wall mounted appliance or through the transparent door via a wall mounted appliance. Alternatively, NFPA 72 allows for a performance-based alternative to visible notification appliance location, provided it is proven that the design allows a minimum illumination of 0.0375 lumens/ft<sup>2</sup> at any point within the pod at all angles.

## 5. PLACEMENT GUIDELINES AND PLANNING

Compared to built-in phone rooms, our modular Phone Booth takes up less than 13 square feet and can easily be moved around the office and positioned in an area that needs it most.

### We recommend the following for placing your Phone Booth:

- Allow 3 inches of space behind the Booth.
- Allow 41 inches of space in front of the Booth to allow the door to swing open fully for Phone Booths in addition to the required path of egress dimensional requirements.
- If you plan on anchoring your products, plan on 3" between booths and 6" between Room S units to allow for access for the tools required to anchor the units.
- The power cord is 10 foot long. Chicago Electrical Code requires all phone booths use a 2-foot 12AWG power cord, which will be provided.

### ROOM Placement in Relation to Building Sprinklers

- Allow a minimum of 18" below sprinklers. This is a requirement by NFPA 13.
- ROOM location needs to be covered by the sprinkler spray pattern.

### ROOM Placement in Relation to Visual Alarms

- Phone Booth has an acrylic door so the visibility of alarm strobes is possible.
- Properly position the ROOM Phone Booth to make sure it is not blocking the alarm visibility in any case.

### ROOM Placement in Relation to Audible Alarms

- As per 907.5.2.1.1 average sound pressure, the audible alarm notification appliances shall provide a sound pressure level of 15 decibels (dBA) above the average ambient sound level or 5 dBA above the maximum sound level having a duration of at least 60 seconds, whichever is greater, in every occupiable space within the building.
- As compared to Open Plan Office ambient noise level (60-65 dB), ROOM ambient noise level is approximately 40 dB. Typical alarm system dB is around 115dB so the alarm is easily audible inside the ROOM even with the ROOM sound absorption of 30dB.

## Recommendations

- Place Booths in high-activity areas.  
Generally speaking, the more crowded an area, the higher the noise level. Our products are best situated in close proximity to where they're most needed. They can create space for focused work and private calls in heavily trafficked areas, or create space for important conversations in quiet areas.
- Set the rule: no camping out allowed.  
Promote proper use by ensuring team members use Phone Booths for one- hour time blocks or less. Make sure you have enough Booths throughout the space so they're available to anyone who needs to pop in for a quick work session.
- Convert underutilized spaces into productivity hubs.  
Our modular products are designed for flexibility. Our Phone Booths are designed to have a small footprint which means that multiple units can easily be placed in a row against a wall, lining a hallway, or within dead space, to ensure you're maximizing your real estate.

All placement guidelines and recommendations document our professional interpretation and judgement of the Codes and Standards defined within the document. The final placement of a pod in relation to pre-existing safety equipment, or the need for additional safety equipment determined by the applicable local officials, may be different and are often subject to change.

## 6. SEISMIC ANCHORING

We have partnered with Jensen Hughes Engineering, a global leader in safety engineering to determine seismic compliance for our Booths.

The purpose of seismic anchoring is to fix the Booth to the structure it's located in to prevent the Booth from moving during seismic activity.

**Our anchoring solution is in accordance with the below:**

- 2018 International building Code
- ASCE 7-16 Minimum Design Loads for Buildings and Other Structures
- ACI 318-14, Building Code Requirements for Structural Concrete
- AISC 360-10, Specification for Structural Steel Buildings, 2010

Upon request we can provide specifications and instructions. Seismic anchoring solutions for both concrete and wood floors available.

## 7. ELECTRICAL

### Power outlets

The Standard Phone Booth has two power outlets (120V) located near the desk.

All Booths are equipped with a 10A circuit breaker.

### Power usage

The ROOM Phone Booth has three types of electrical components: an LED light, two exhaust fans, and two power outlets. The LED light draws 12W at 12V, and each ventilation fan draws 1.75W at 12V. There will be additional usage for any electrical device that is plugged into the outlet inside the Phone Booth.

The power cord is 10 foot long. Chicago Electrical Code requires all phone booths use a 2-foot power cord, which will be provided. Please note that the City of Chicago Jurisdiction requires that all phone booths are plugged into a dedicated branch circuit.

## 8. ADA ACCESSIBILITY

We have future plans to develop a larger room that will meet ADA requirements; however, we have not established a launch date for that solution.

Helpful hint: We've seen our customers achieve success by making one of their existing accessible conference rooms on the same floor "non-reservable" to allow for a similar environment for a private phone call or meeting, hence acting as an ADA-compliant booth. An additional option is to add our Open Meeting Room. Although these units are not enclosed, they can be accessed by those with disabilities. ADA requirements for each jurisdiction should be confirmed with the local AHJ.

## 9. VENTILATION

The fans pull 59 cubic feet per minute. All the air inside the Booth is refreshed every minute.