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# INSOMNIAC™ 900 Contractor's Guide





## Contact Us

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2501 West Dunlap Avenue  
Suite 255  
Phoenix, Arizona 85021

### Phone, Fax & Email

<b>Technical Support</b>	<b>(602) 773-1700</b> <b>support@opentechalliance.com</b>
<b>Fax</b>	<b>(602) 324-8658</b>
<b>Office</b>	<b>(602) 749-9370</b>

### Hours of Operation

<b>Business Office</b>	<b>Monday thru Friday – 8:00am to 5:00pm MST</b>
<b>Technical Support</b>	<b>Monday thru Friday – 7:00am to 5:00pm MST</b> <b>Saturday – 7:00am to 2:00pm MST</b>

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# Installation

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## Preface

Prior to installing the INSOMNIAC 900, your contractor should review the standards and information contained throughout this document. Please contact OpenTech Alliance Customer Support (via telephone at: 602-749-9370, Option 2, or email at: support@opentechalliance.com) for any upgrades or additional details or questions.

## Through-the-Wall Installation

- Check with OpenTech Alliance prior to installation for any updates to this installation guide.
- Check differences between interior and exterior floor elevations before cutting opening.
- Check all applicable ADA and local codes for accessibility compliance prior to installation.
- The recommended height for the Lock Dispenser is 20" above the finished floor.
- The kiosk should be visible once a tenant enters the property from the street.
- The kiosk area should be well lit (to make the user feel safe and comfortable).
- The kiosk should be located on the exterior of the building and visible from the parking area.
- If the property utilizes video recording or surveillance, a camera should be in place to view the kiosk.
- The kiosk should offer the user protection from the elements during use; for example, shade from the hot sun and direct sunlight, and protection from rain and wind, etc.).
- Ideal installation of the kiosk will ensure that it is placed just adjacent to the main office entry.
- The back of the kiosk should be accessible from inside the main office (maintenance is performed from the rear of the kiosk, as well as reloading of merchandise, paper, etc.).
- The kiosk should be located as close to the entry keypad as possible.

## Protection from Weather

Although the INSOMNIAC kiosk is designed for outdoor use, it should be protected from full weather exposure. A canopy, awning or other covering should be above the kiosk to prevent direct rain and/or snow contact. Care must be taken to install flashing where necessary to keep water from leaking where the kiosk penetrates the wall. See Figure 5: **Protective Canopy Installation** on page 16, and Figure 6: **Vestibule Enclosure** Installation on page 16 for photographic examples.

## ADA Compliance

### Accessibility Considerations

The primary issue addressed by The Americans with Disabilities Act (and corresponding local accessibility code requirements), as applied to the kiosk, is provision for proper access to and from the INSOMNIAC 900 kiosk. This includes insuring the presence of an accessible route from public areas (including streets, sidewalks and parking lots).

### Installation Specifications

The kiosk is provided with adjustable legs to accommodate a variety of mounting heights. It is suggested that the unit be installed at such a height so as to insure that the speakerphone box is lower than 48" AFF (above finished floor); this will place the kiosk at a height that is accessible to an individual in a wheelchair (for both forward and side approaches). In order to further accommodate wheelchair accessibility, units with a lock dispenser should be installed so that access to the lock dispenser is a minimum of 15" AFF; this complies with guidelines set forth by the ADA.

## Power Requirements

### Wired Power Specifications

The INSOMNIAC kiosk requires 110-120 VAC, 20 Amp, single-phase, three-wire un-switched power receptacles. Wiring to the receptacle must include a third-wire earth-ground (conduit ground is not acceptable.) The power cable is 10' long and extends from a hole in the back, right-bottom corner of the kiosk (when facing the kiosk from the front).

Extend a minimum of ¾" metal conduit from service panel to a 4" junction box located no further than 6' from the unit. Boxes can be flush mounted with concealed conduit for new construction, or boxes can be surface mounted with exposed conduit for existing construction.

### Backup Power Supply

An uninterruptible power supply (UPS), also known as an uninterruptible power source, or a battery backup, is a device which maintains a continuous supply of electric power to connected equipment by supplying power from a separate source when utility power is not available. In areas of the country that experience frequent power disruptions ("Tornado Alley," hurricane season, etc.), it is recommended that a UPS be employed in order to minimize the effects of power outages.

When a power failure occurs, the UPS effectively switches from utility power to its own power source almost instantaneously. The UPS, which is continuously connected to the protected load, draws energy from its reserves, usually stored in lead-acid batteries, converting it to AC power.

In addition to providing protection against complete failure of the utility supply, a UPS also provides protection against all common power problems, and for this reason it is also known as a power or line "conditioner."

Please consult with your electrical contractor for a unit appropriate to your facility.

## Data Cable Requirements

### Always-On Internet Connectivity

The INSOMNIAC 900 must be connected to the computer (or network) upon which the facility's management software runs. If the facility has an "always-on" Internet connection (such as cable or DSL), the network should be configured in order to allow OpenTech Alliance, Inc's. Technical Support Specialists access to the kiosk computer, through the Internet connection.

A contractor should run a CAT 5 data cable, in grounded conduit, from the location of the computer (or network hub) that runs the management software, to a junction outlet box mounted a few feet from the kiosk. The kiosk comes with a CAT 5 cable that extends 5' from a hole in the back, right-bottom corner of the kiosk (when facing the kiosk from the front).

### On-Demand/"Dial-Up" Internet Connectivity

If the facility does not utilize an "always on" Internet connection to which the kiosk can be connected, a standard POTS ("plain old telephone service") telephone line should be terminated in a junction outlet box a few feet from the kiosk. This line will be used by OpenTech Alliance, Inc's. Technical Support Specialist to access the kiosk computer, via modem, for diagnostics and service. This line can be the same line as the speakerphone line described below, so long as it is a dedicated line to which there are no other devices connected that will pick up when a call is received.

## Plenum Ceiling Consideration

Special considerations must be made if the kiosk will utilize wiring installed through a plenum ceiling. If the area between the ceiling and the roof in a building is used for air return in a ventilation system, fire and building codes normally require that special wire or conduit be used if wire is run through this area.

## Fire Protection Consideration

Installation of this kiosk in an existing facility with a new wall enclosure, may impact the sprinkler head cover in this area, and require modification or addition of additional heads.

## Heat Gain/Loss Consideration

Installation of this kiosk in small areas with a lack of air circulation should take into consideration the heat gain (build up of heat from operation of the equipment) and design the space accordingly.



# Specifications

## INSOMNIAC 900 Specifications

### Weights and Measurements

Shipping Weight	Unit Weight	Kiosk Dimensions	Rear Clearance
+/- 310 lbs	+/- 200 lbs	Height: 49" Width: 23 ½" Depth: 32"	24"
Actual shipping and unit weight depends upon shipping materials, options and configuration.			Rear clearance allows the back-door to open fully for maintenance and merchandise replacement.

### Installation Specifications

The rough wall opening should be cut ½" to ¾" wider than the dimensions above.

The kiosk has an outer front flange (the solid outer line) that extends 2" outside the kiosk enclosure on each side of the kiosk. The inner kiosk enclosure box (dashed line) fits through the wall and extends 32" back through the wall opening and into the inner room.

Care should be taken in creating the wall opening to allow construction and installation tolerances. The saw cut of the opening should be straight and true, and may vary from a minimum recommended clearance of ¼" all around the unit to a maximum of 1" less than the cabinet facia. Consideration should be given to reinforcing the edges of the wall opening for structural integrity and security.

# Drawings

## Product & Installation Drawings

### Overall Views

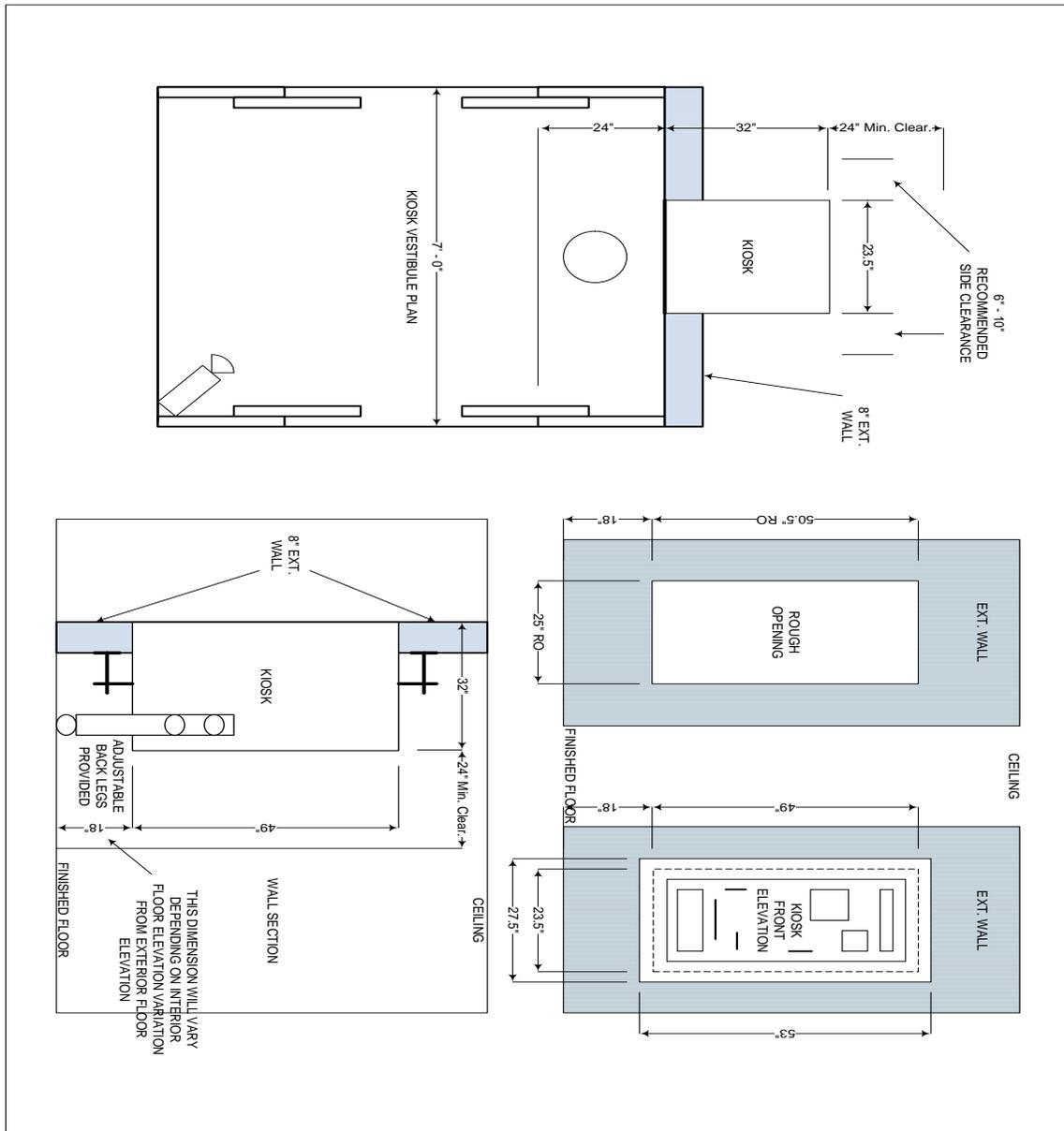


Figure 1: Overall Views

Rough Opening

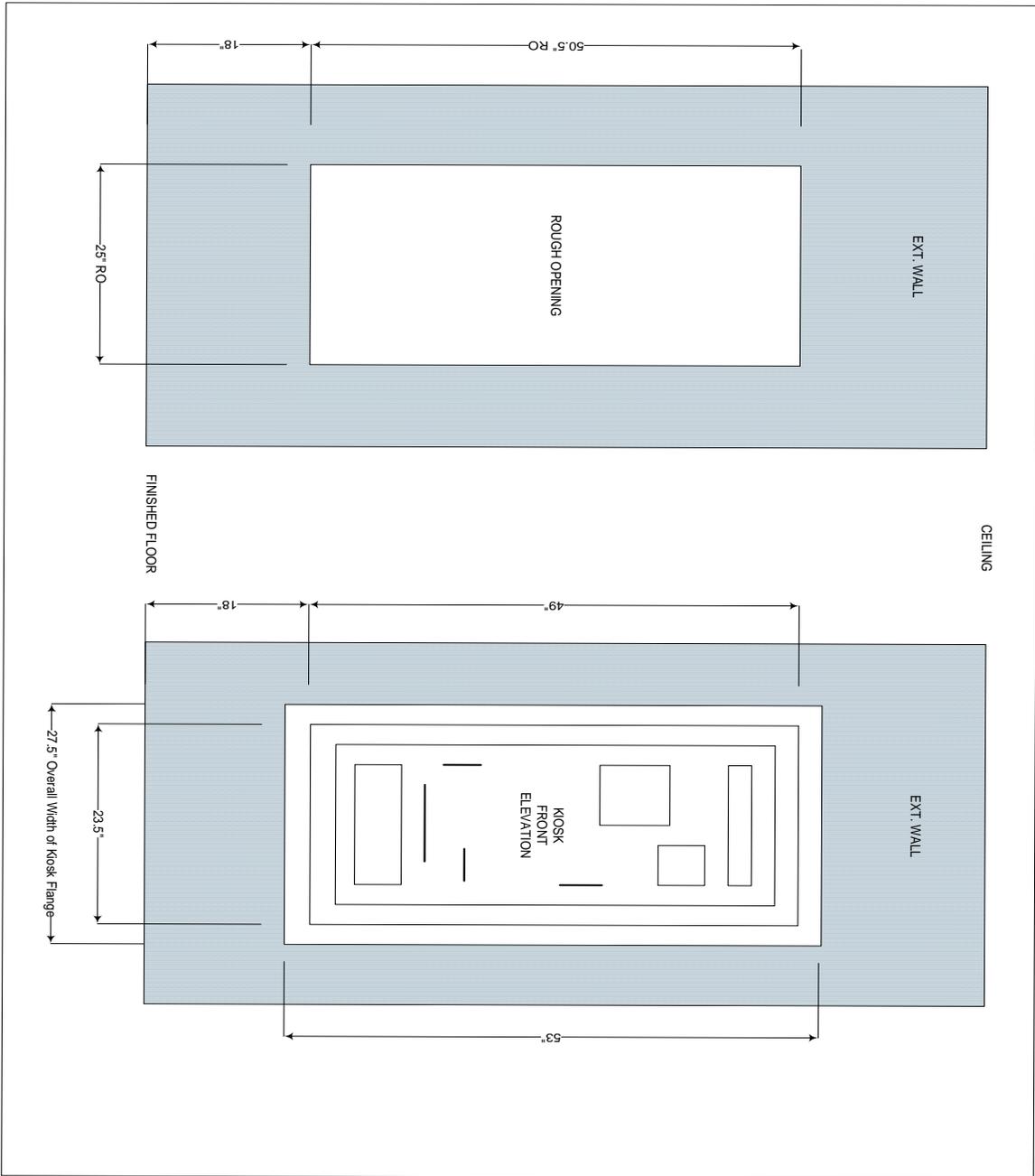


Figure 2: Rough Opening

Side View

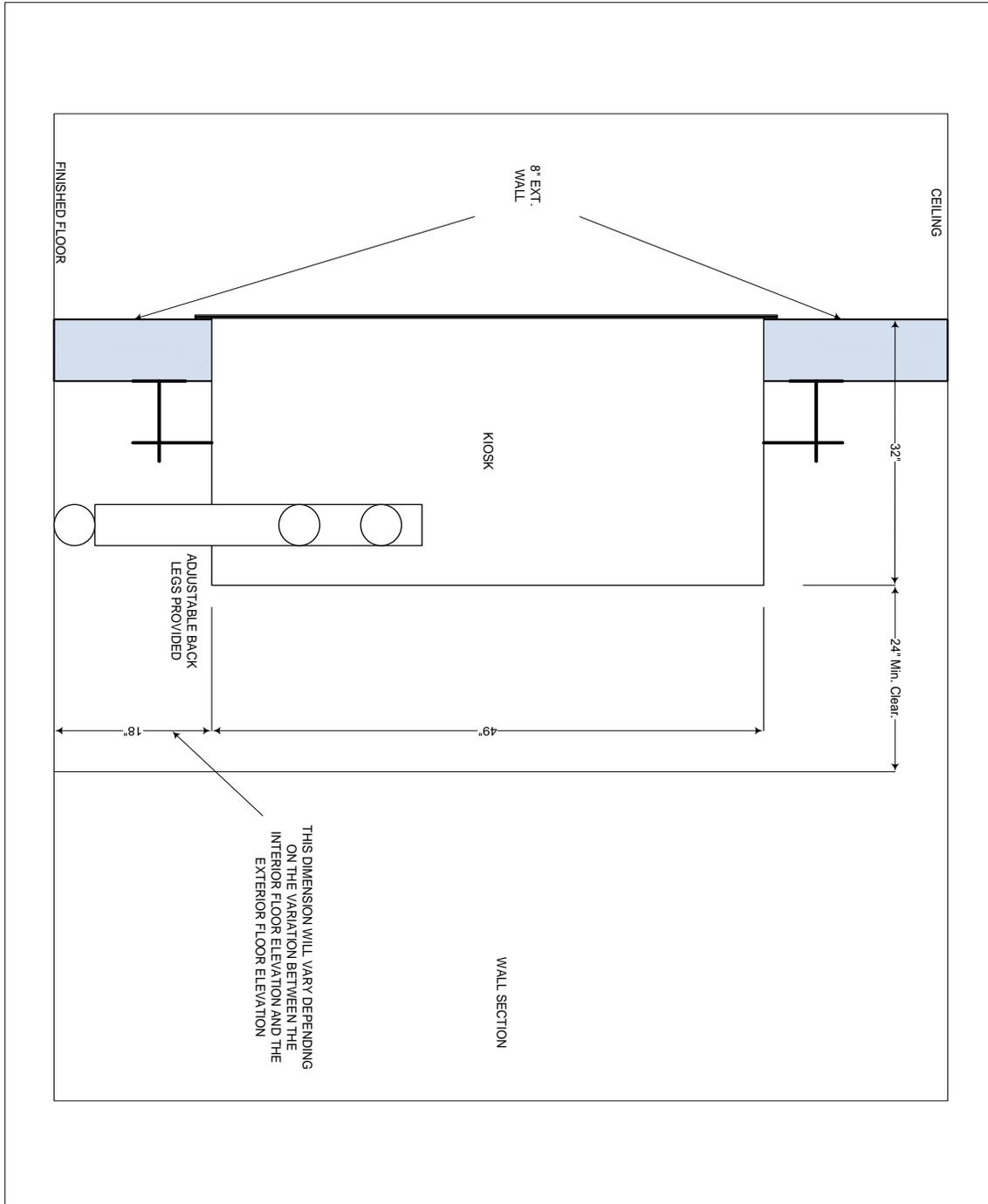


Figure 3: Through-the-Wall Installation

Enclosed in a Vestibule

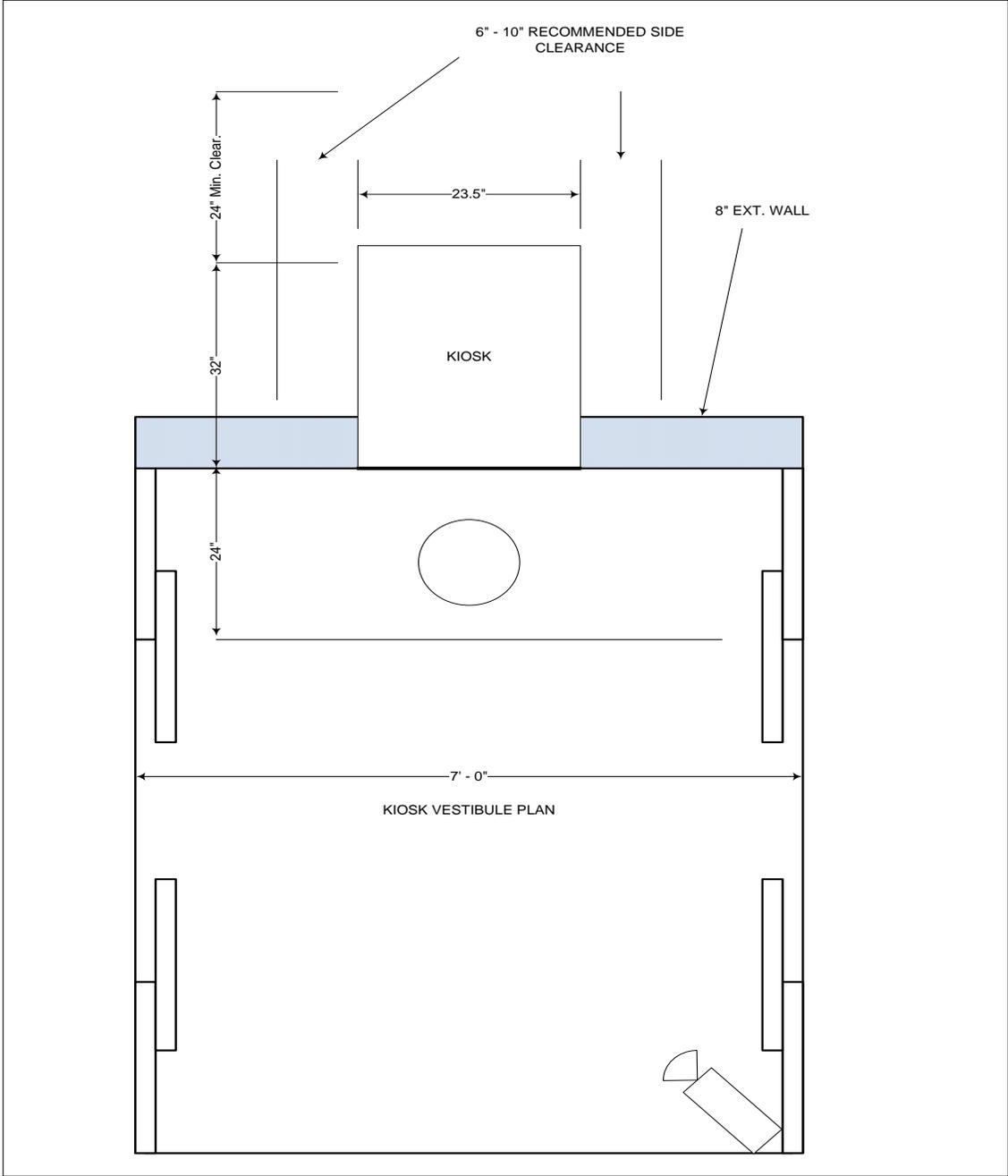


Figure 4: Installation in an Enclosed Vestibule

## Photos

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### Example of Installation Configurations



Figure 5: Protective Canopy Installation



Figure 6: Vestibule Enclosure Installation

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