

Section B Tunnel Signage

B.1.1 Tunnel Signage – Introduction

B.2 Typical Signs & Usage

B.2.1 Main Directional with Map

B.2.2 Secondary Directional

B.2.3 Map Only Directory

B.2.4 Building Entrance

B.2.5 Emergency Telephone Marker

B.2.6 Wall Notice Area

B.2.7 Prohibited Activities Bar

B.3 Assembly Details

B.3.1 Main Directional with Map

B.3.2 Secondary Directional

B.3.3 Map Only Directory

B.3.4 Building Entrance

B.3.5 Emergency Telephone Marker

B.3.6 Wall Notice Area

B.3.7 Prohibited Activities Bar

B.4 Sign Graphics

B.4.1 Main Directional

B.4.2 Secondary Directional

B.4.3 Map for Both Main Directional & Map Only Directory

B.4.4 Building Entrance

B.4.5 Emergency Telephone Marker

B.4.6 Wall Notice Area & Prohibited Activities Bar

B.5 Installation Details

B.5.1 Main Directional with Map

B.5.2 Secondary Directional

B.5.3 Map Only Directory

B.5.4 Building Entrance

B.5.5 Emergency Telephone Marker

B.5.6 Wall Notice Area

B.5.7 Prohibited Activities Bar

B.6 Maintenance

B.6.1 Tunnel Signage – Maintenance

General Notes on Tunnel Signage

These are the Carleton University Tunnel Signs as of 2008.

There are two distinct types of Tunnel Signs:

- a) The directional/directory types – which are a combination of panels mounted to the walls and painted bands – these are the first 4 types (Main Directional with map, Secondary Directional, Map Only Directory and Building Entrance).
- b) The marker types – which are painted on the walls – these are the final 3 types (Emergency Telephone, Notice Area and Prohibited Activities Markers)

Section B.2 (Usage)

This section will aid in the appropriate selection of the sign(s) for the desired purpose.

Section B.3 (Details)

This section provides general information on the manufacture and installation of the sign(s). This is to be supplemented by the tunnel signage production drawings for the directional/directory types only, included in the appendices of this package.

Section B.4 (Graphics)

This section gives the font usage, size and location guidelines for laying out text and icons for the various signs.

Section B.5 (Installation Heights and Locations)

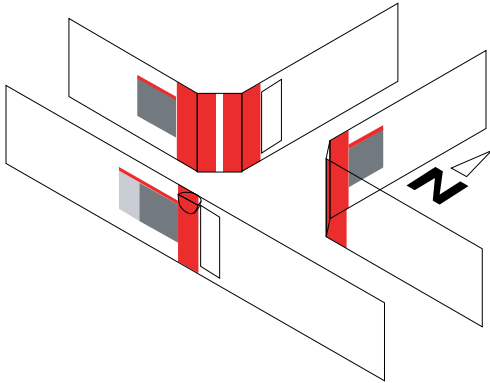
This section is to be used in conjunction with section A.3 to actually install the signs. Signs should only be installed by qualified (signage) technicians/painters.

Section B.6 (Maintenance)

This section provides recommendations for cleaning and dealing with vandalism.

Main Directional with Map

Typical 3-way Junction
with one Main & two
Secondary Directionals



Main Directional (with Map)

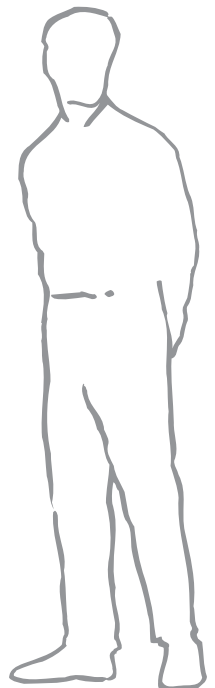
- Always has painted red bar on wall
- Can be used alone or with Secondary Directional (B.2.2) in multidirectional arrangement - shown in isometric views on page B.2.1. & B.2.2.
- Only one main directional with map per junction
- see pages B.3.1, B.4.1 & B.5.1



- Herzberg Laboratories
- Steacie Building
- ← University Centre
- ← Mackenzie Building
- ← Architecture Building
- ← Administration



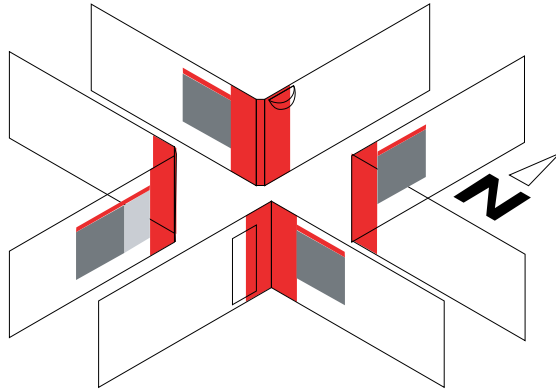
Map has 4 orientations depending on which wall map is placed (eg North, South, East, or West). The direction the viewer is facing is always up.



Tunnel Signage

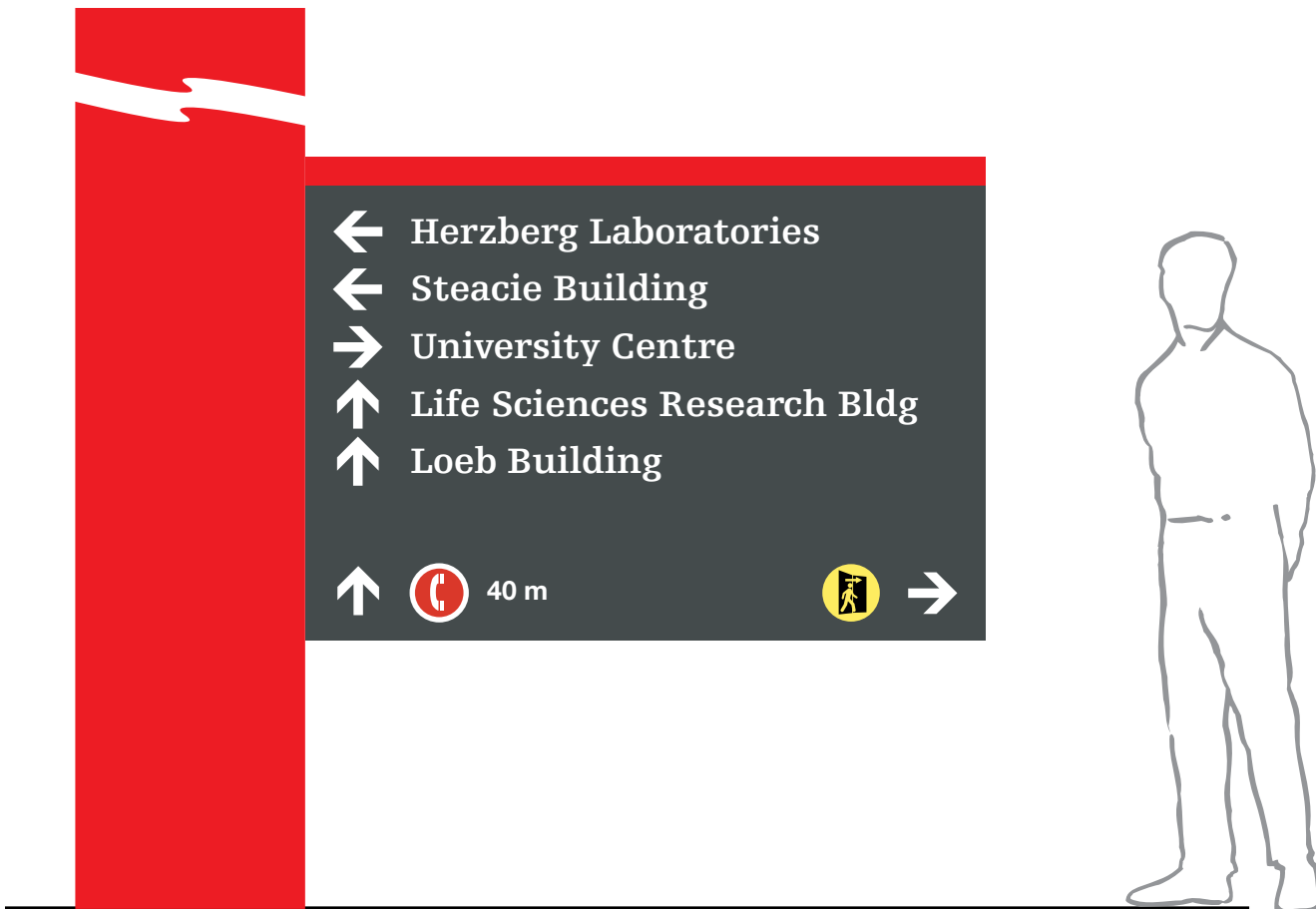
Secondary Directional

Typical 4-way Junction
with one Main & three
Secondary Directionals



Secondary Directional

- Always has painted red bar on wall
- Always used with Main Directional (see isometric views on page B.2.1 & B.2.2) in multidirectional arrangement
- Quantity of signs depends on messaging and space available
- see pages B.3.2, B.4.2 & B.5.2

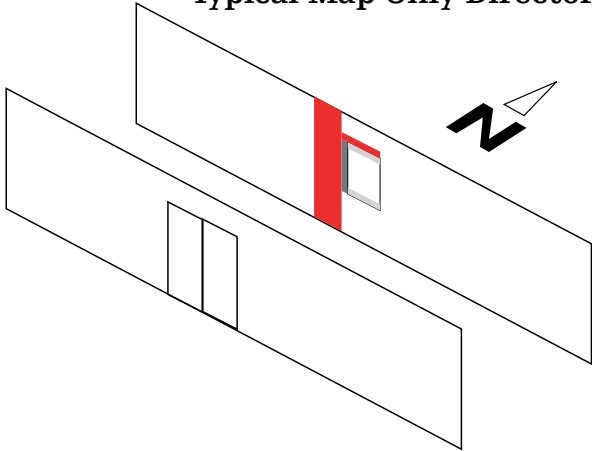


Tunnel Signage

Map Only Directory

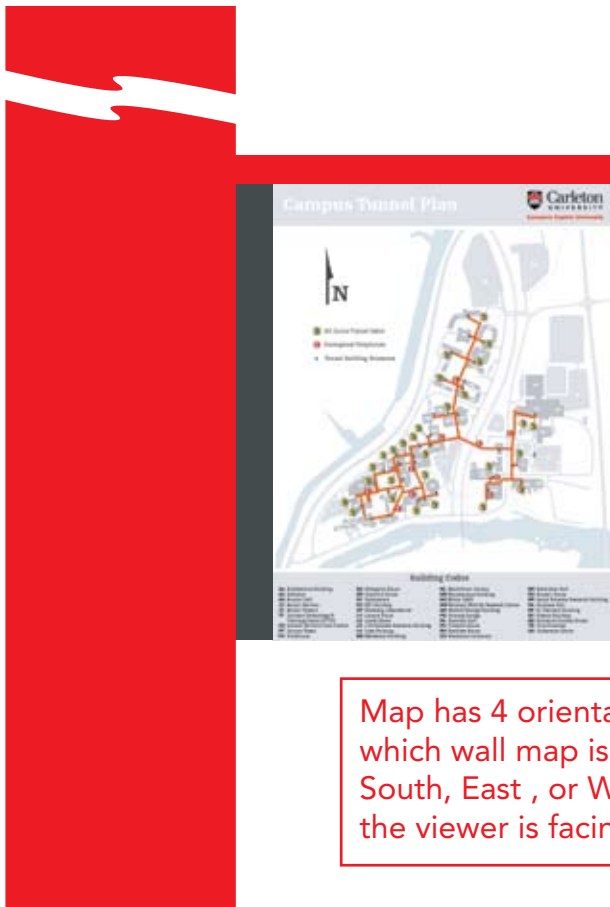
B.2.3

Typical Map Only Directory

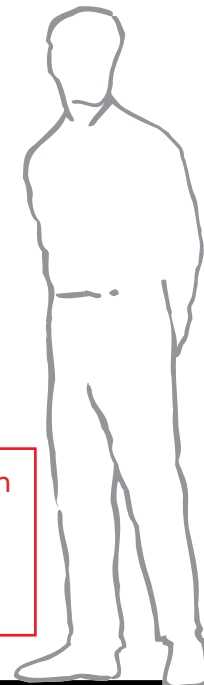


Map Only Directory

- Always has painted red bar on wall
- Used in isolation from other tunnel sign types - shown in isometric views.
- see pages B.3.3, B.4.3 & B.5.3



Map has 4 orientations depending on which wall map is placed (eg North, South, East, or West). The direction the viewer is facing is always up.

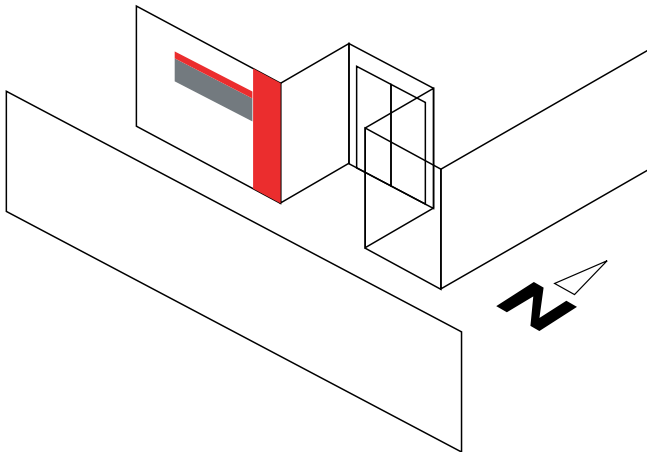


Tunnel Signage

Building Entrance

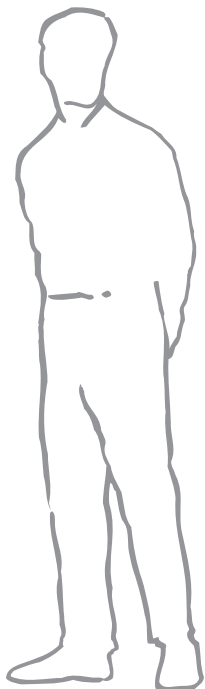
B.2.4

Typical Building Entrance Sign



Building Entrance Sign

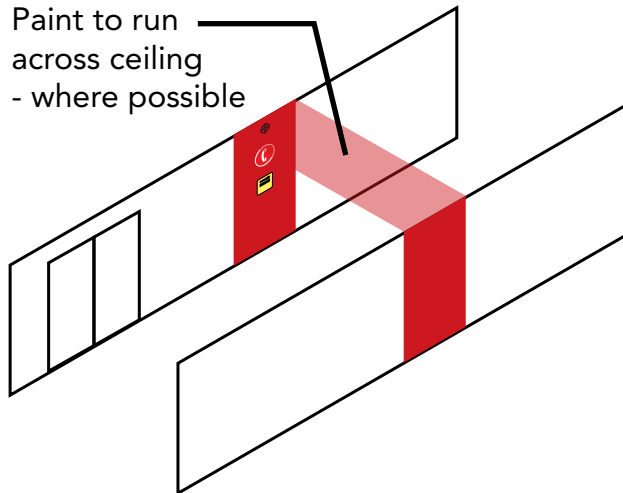
- Always has painted red bar on wall
- Used in isolation from other tunnel sign types - shown in isometric views.
- see pages B.3.4, B.4.4 & B.5.4



Azrieli Pavilion

Emergency Telephone Marker

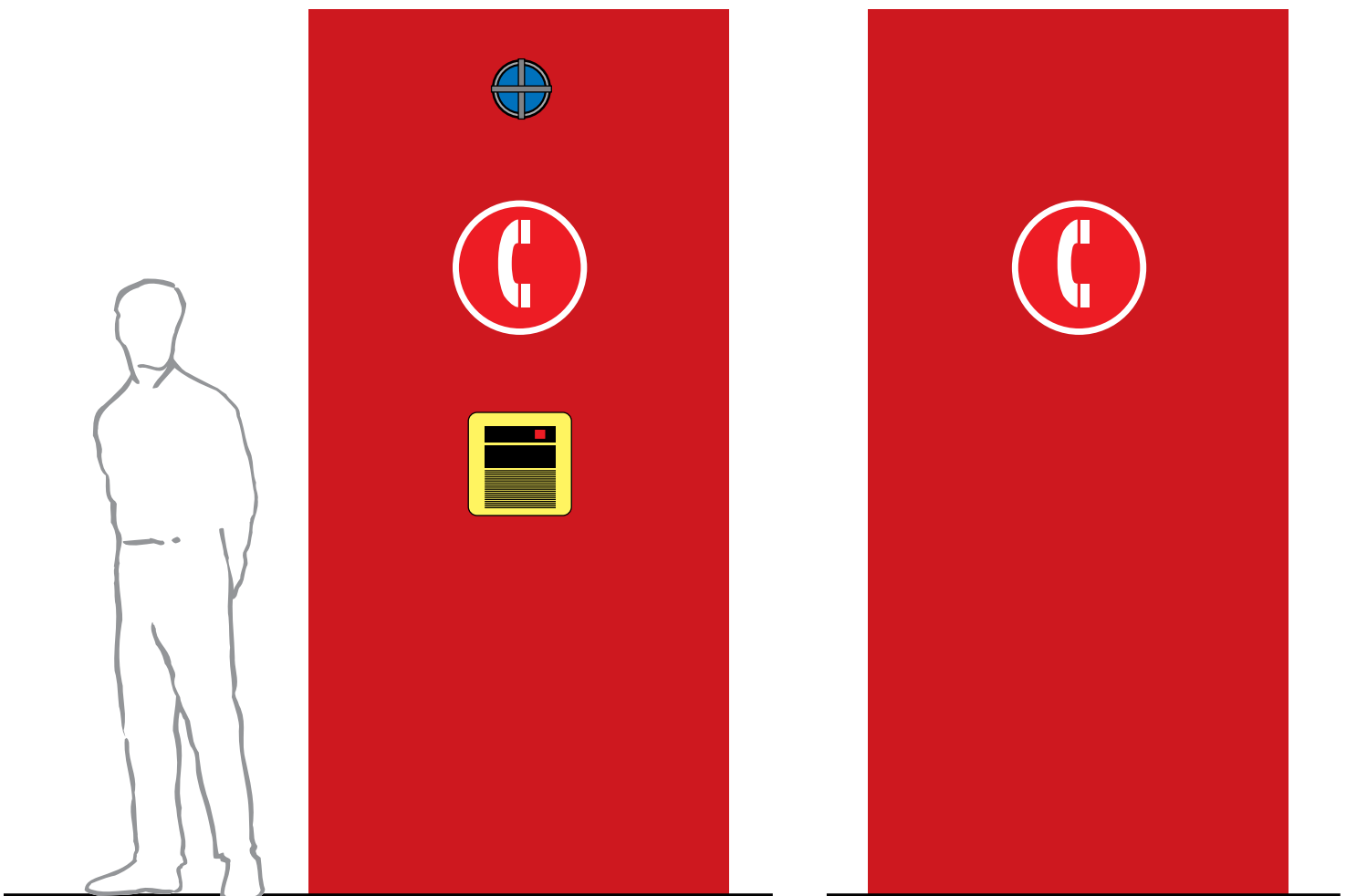
Paint to run
across ceiling
- where possible



Typical Emergency Telephone Marker

Emergency Telephone Marker

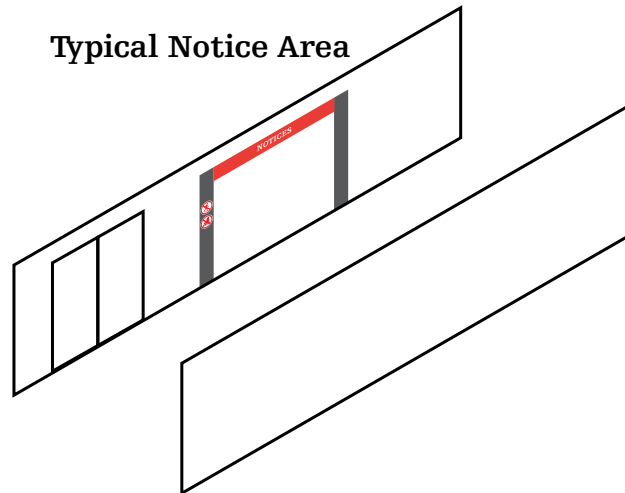
- Painted on wall - both sides & ceiling (if possible)
- Centred on telephone box
- see pages B.3.5, B.4.5 & B.5.5



Tunnel Signage

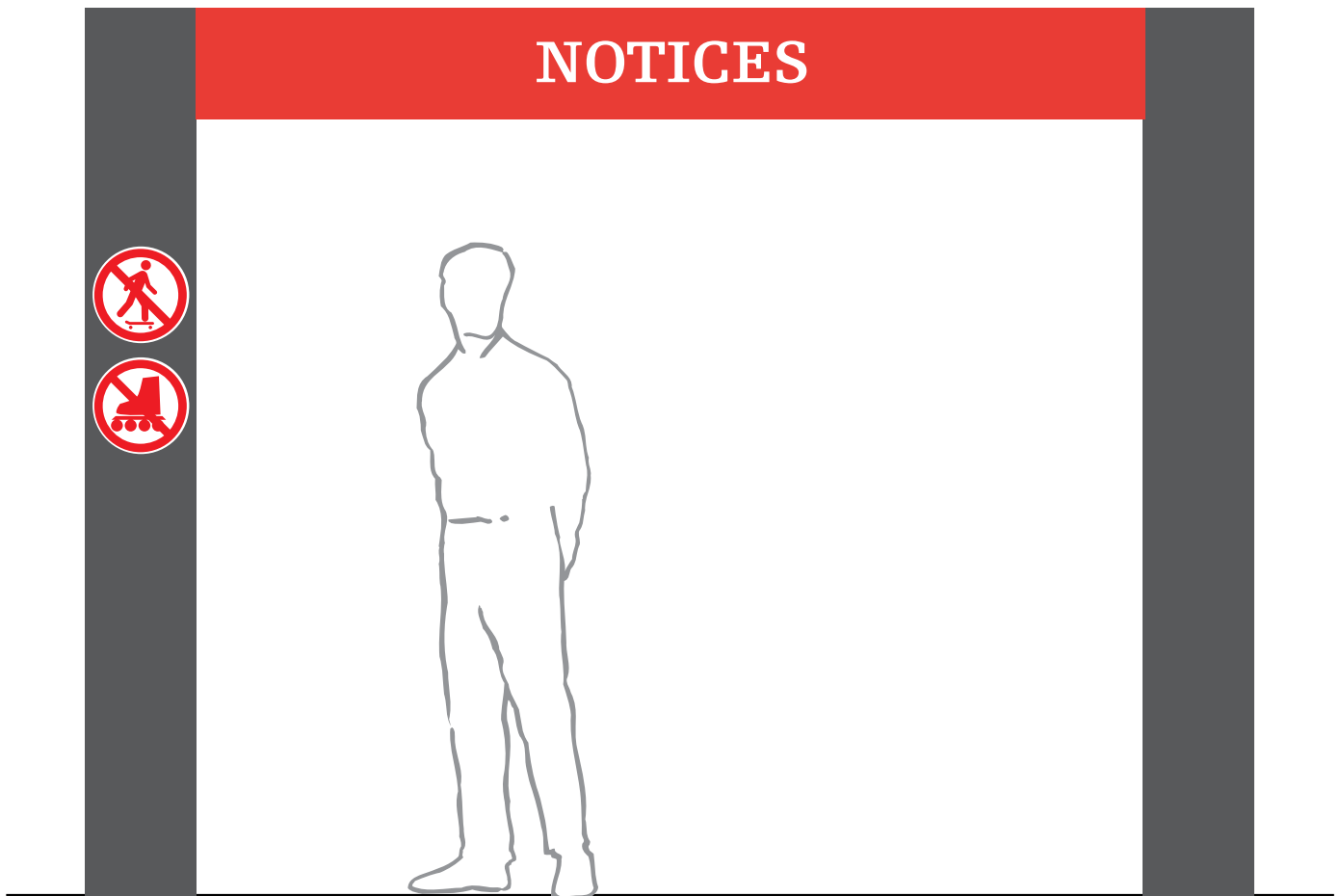
Wall Notice Area

B.2.6



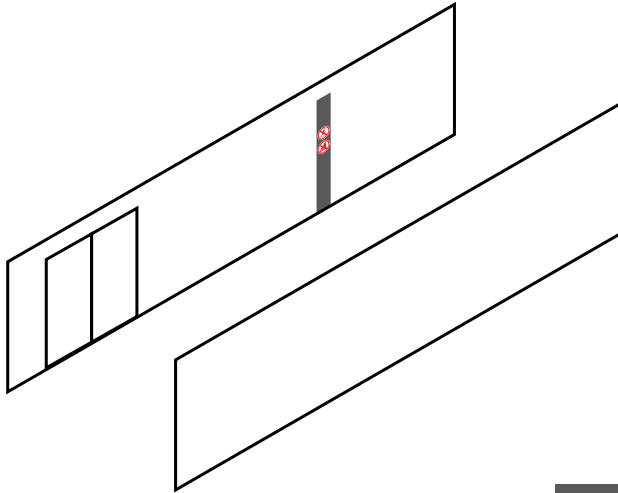
Notice Area

- Painted on wall
- see pages B.3.6, B.4.6 & B.5.4
- Keep clear of obstructions, see list below for minimum clearances:
 - A/ Red Bar or Map at Tunnel Junction – 4 feet (1.22 metres)
 - B/ Corner – 1 foot (0.3 metres)
 - C/ Lockers – 2 feet (0.61 metres)
 - D/ Pipes – 1 foot (0.3 metres)
 - E/ Other Obstructions – consult with Carleton University representative



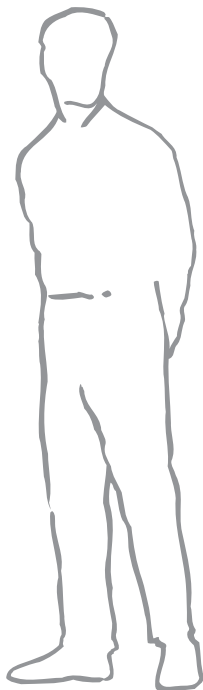
Prohibited Activities Bar

Typical Prohibited Activities Bar



Prohibited Activities Bar

- Painted on wall
- see pages B.3.7, B.4.7 & B.5.4



Tunnel Signage

B.3.1

Main Directional with Map

MATERIALS:

- 1/2" MDF backer panel - edges painted dark gray has T-nuts embedded for 'Z' channel.
- 1/8" P95 acrylic (non glare) with text & icons reverse drop-out screened in dark gray on gloss side then entire surface backed with white - bonded to MDF panel with panel adhesive
- P95 panel has circular opening for inset colour disks and screw covers

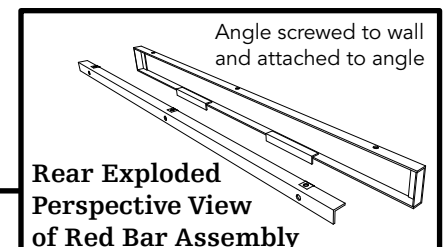
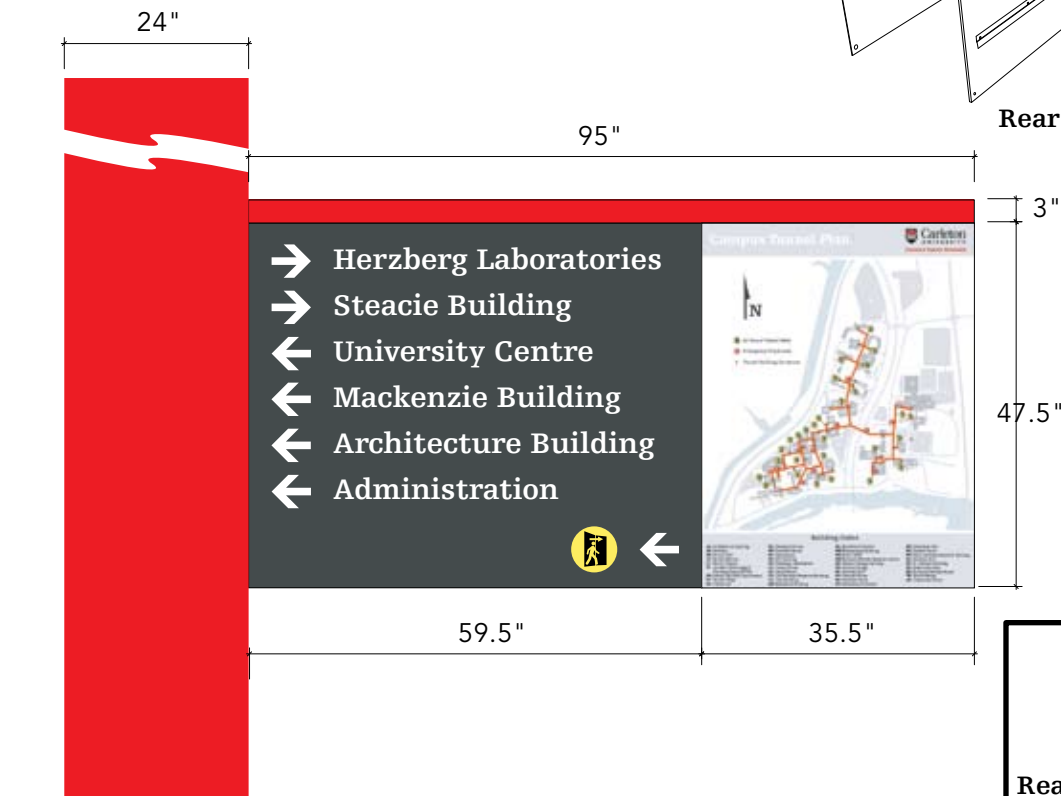
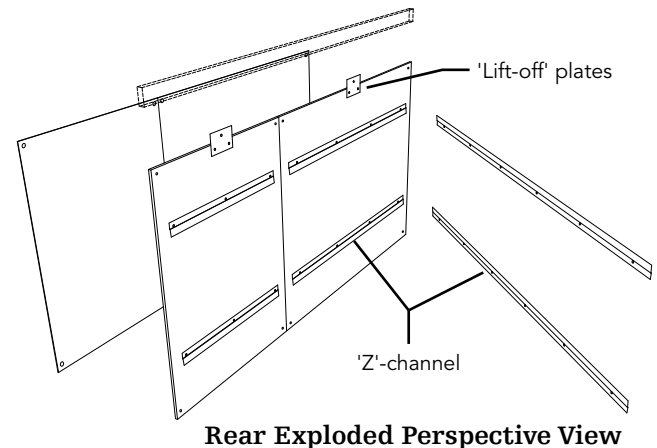
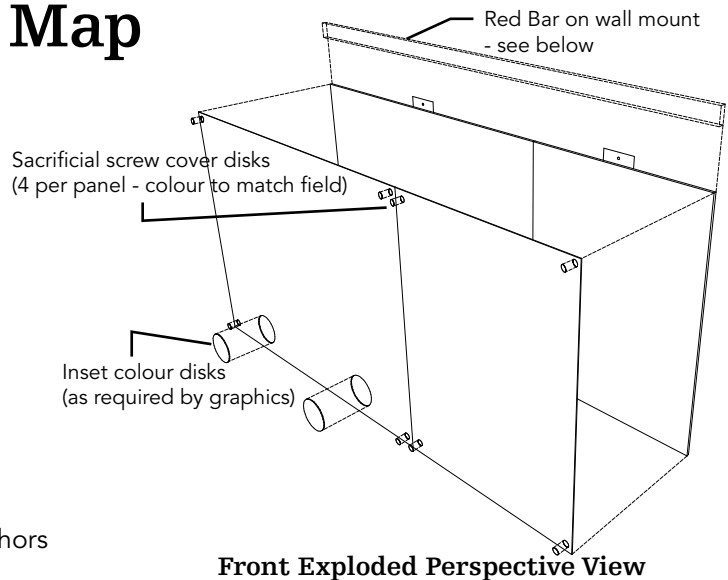
DISASSEMBLY for PANEL CHANGE:

- Remove 2 or 3 - #6 x 1" countersunk machine screws on top to remove red bar;
- Remove screws from 'lift-off' plates
- Remove sacrificial screw covers, remove screws from anchors
- Lift panel(s) off 'Z'-channels

INSTALLATION:

for all types - after wall painting including Red Stripe

- 1) Install 'Z'-channels and Red Bar angle into wall with appropriate anchors and screws.
- 2) Hook panels onto 'Z'-channels and screw in 'lift-off' plate and screws under screw covers into wall/anchors
- 3) Install red bar.



Tunnel Signage

Secondary Directional

B.3.2

MATERIALS:

- 1/2" MDF backer panel - edges painted dark gray has T-nuts embedded for 'Z' channel.
- 1/8" P95 acrylic (non glare) with text & icons reverse drop-out screened in dark gray on gloss side then entire surface backed with white - bonded to MDF panel with panel adhesive
- P95 panel has circular opening for inset colour disks and screw covers

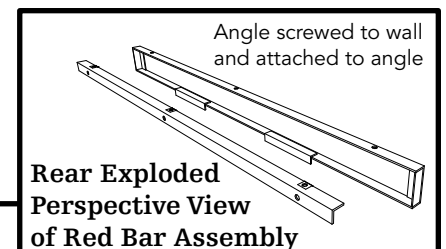
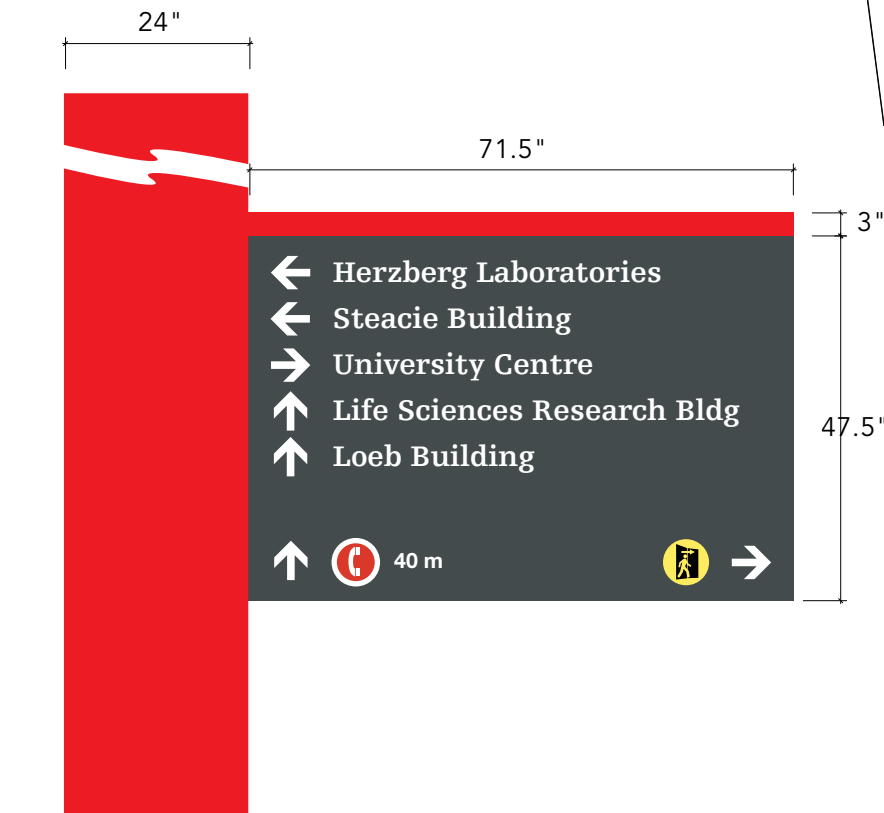
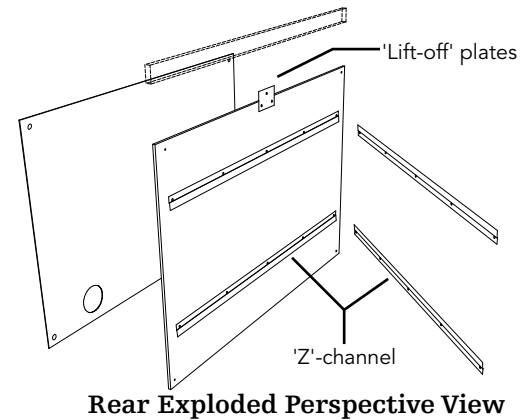
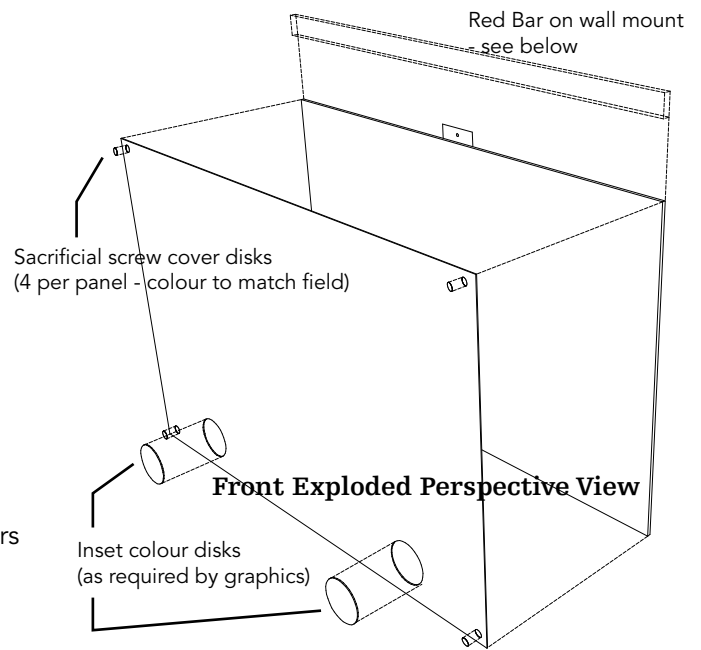
DISASSEMBLY for PANEL CHANGE:

- Remove 2 or 3 - #6 x 1" countersunk machine screws on top to remove red bar;
- Remove screws from 'lift-off' plates
- Remove sacrificial screw covers, remove screws from anchors
- Lift panel(s) off 'Z'-channels

INSTALLATION:

for all types - after wall painting including Red Stripe

- 1) Install 'Z'-channels and Red Bar angle into wall with appropriate anchors and screws.
- 2) Hook panels onto 'Z'-channels and screw in 'lift-off' plate and screws under screw covers into wall/anchors
- 3) Install red bar.



Tunnel Signage

Map Only Directory

B.3.3

MATERIALS:

- 1/2" MDF backer panel - edges painted dark gray has T-nuts embedded for 'Z' channel.
- 1/8" P95 acrylic (non glare) with text & icons reverse drop-out screened in dark gray on gloss side then entire surface backed with white - bonded to MDF panel with panel adhesive
- P95 panel has circular opening for inset colour disks and screw covers

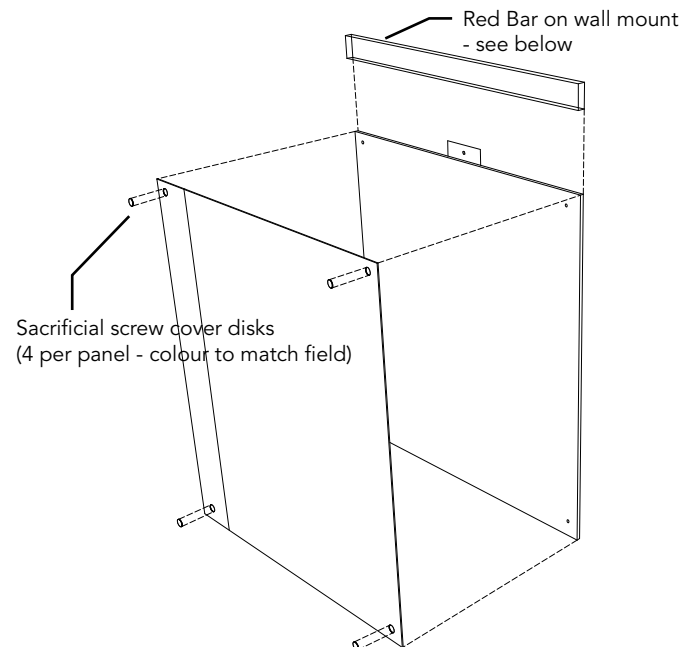
DISASSEMBLY for PANEL CHANGE:

- Remove 2 or 3 - #6 x 1" countersunk machine screws on top to remove red bar;
- Remove screws from 'lift-off' plates
- Remove sacrificial screw covers, remove screws from anchors
- Lift panel(s) off 'Z'-channels

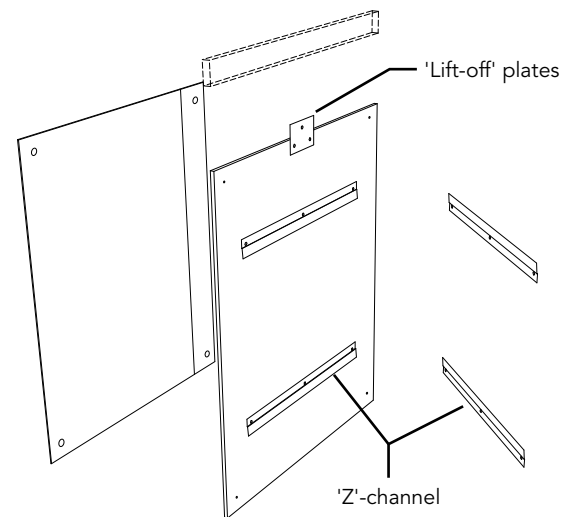
INSTALLATION:

for all types - after wall painting including Red Stripe

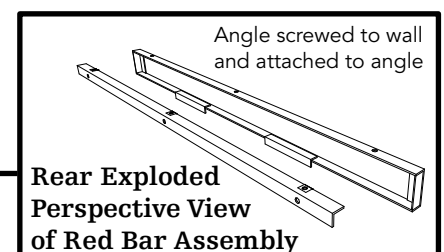
- 1) Install 'Z'-channels and Red Bar angle into wall with appropriate anchors and screws.
- 2) Hook panels onto 'Z'-channels and screw in 'lift-off' plate and screws under screw covers into wall/anchors
- 3) Install red bar.



Front Exploded Perspective View



Rear Exploded Perspective View



Tunnel Signage

Building Entrance

B.3.4

MATERIALS:

- 1/2" MDF backer panel - edges painted dark gray has T-nuts embedded for 'Z' channel.
- 1/8" P95 acrylic (non glare) with text & icons reverse drop-out screened in dark gray on gloss side then entire surface backed with white - bonded to MDF panel with panel adhesive
- P95 panel has circular opening for inset colour disks and screw covers

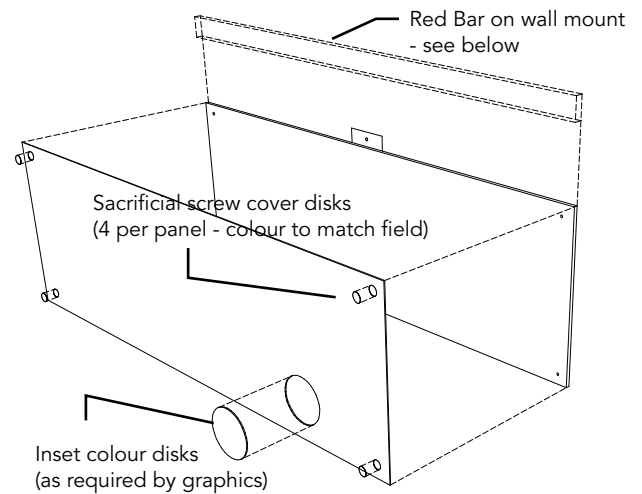
DISASSEMBLY for PANEL CHANGE:

- Remove 2 or 3 - #6 x 1" countersunk machine screws on top to remove red bar;
- Remove screws from 'lift-off' plates
- Remove sacrificial screw covers, remove screws from anchors
- Lift panel(s) off 'Z'-channels

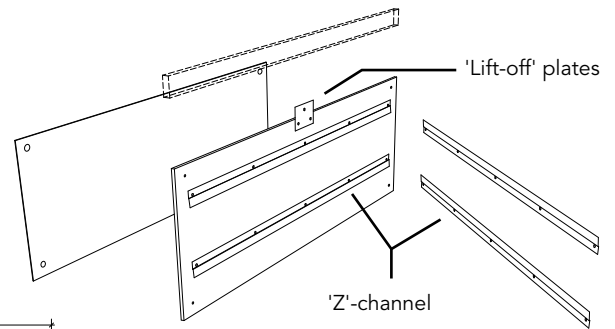
INSTALLATION:

for all types - after wall painting including Red Stripe

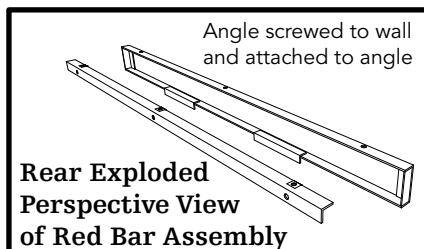
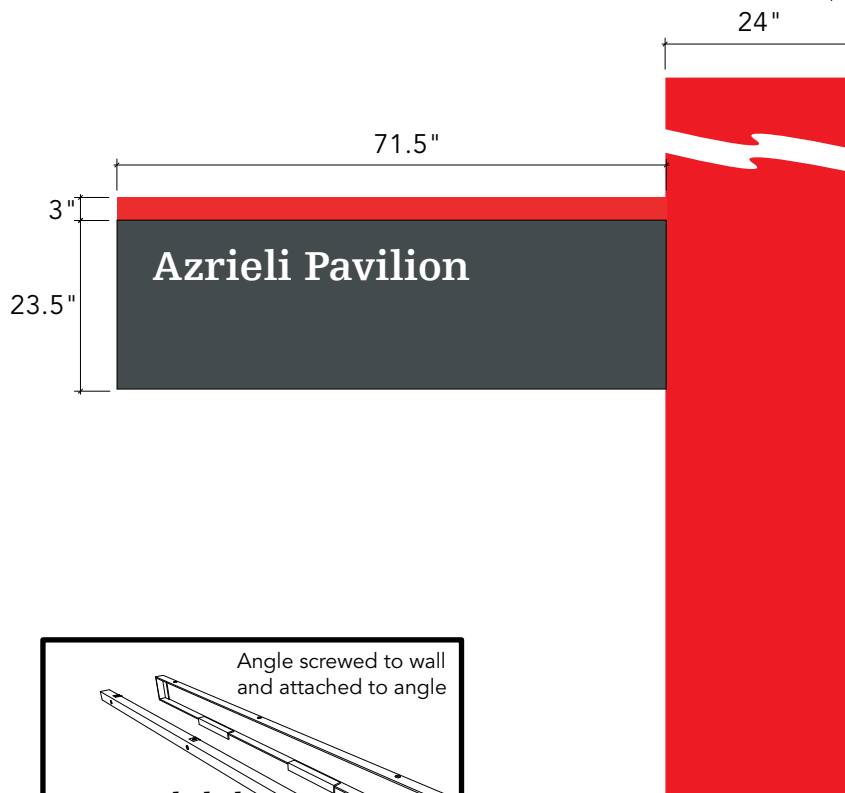
- 1) Install 'Z'-channels and Red Bar angle into wall with appropriate anchors and screws.
- 2) Hook panels onto 'Z'-channels and screw in 'lift-off' plate and screws under screw covers into wall/anchors
- 3) Install red bar.



Front Exploded Perspective View



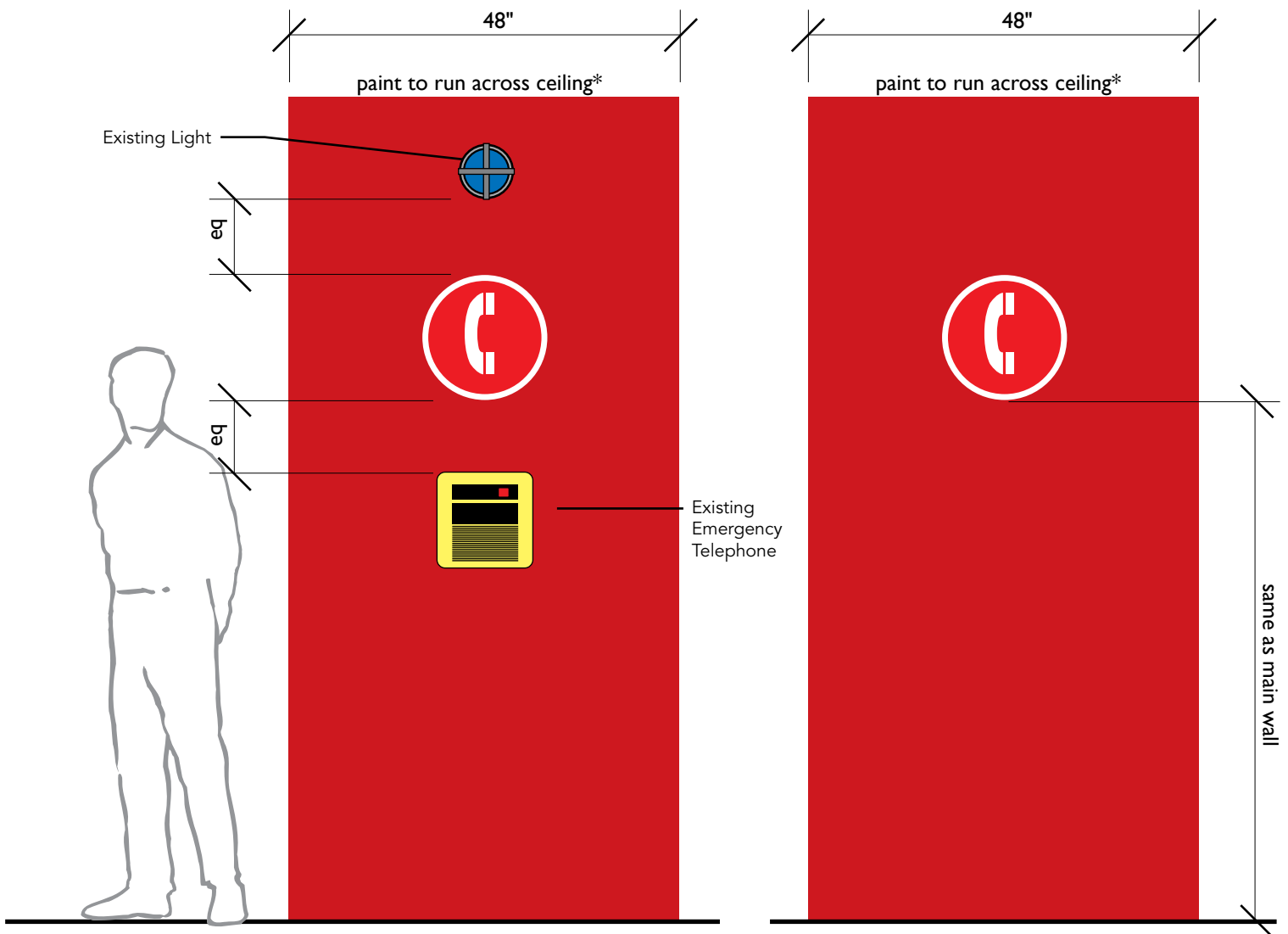
Rear Exploded Perspective View



Emergency Telephone Marker

Emergency Telephone Marker:

- Marker is entirely painted - in red and white on ivory (tunnel standard) walls.
- 4' wide 'Carleton Red' band centred on telephone (as shown) to run across ceiling and down opposite wall to floor
- 15" diameter icon in white and red
(To be cut as vinyl paint mask and applied cleanly with roller)



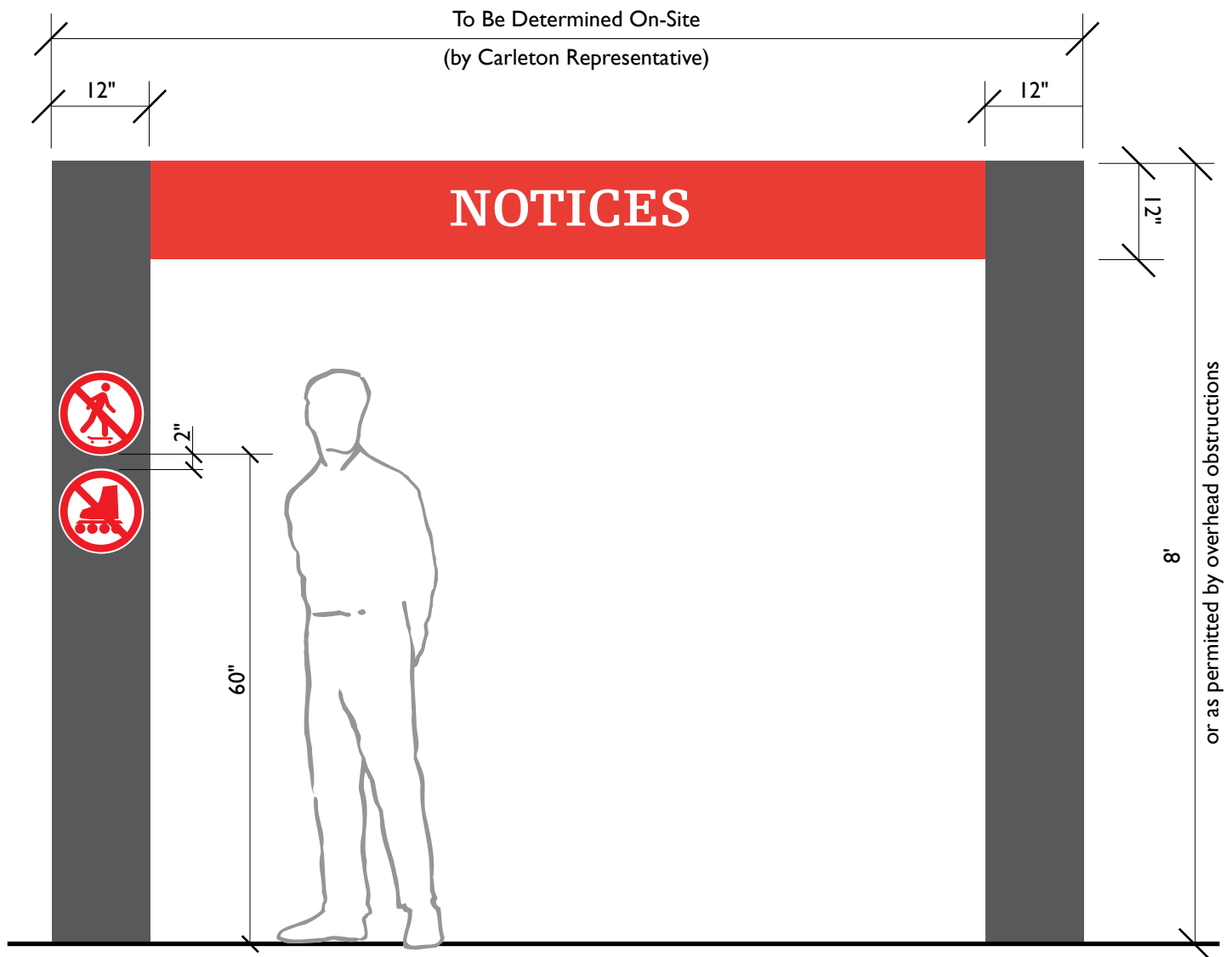
Tunnel Signage

Wall Notice Area

B.3.6

Wall Notice Area:

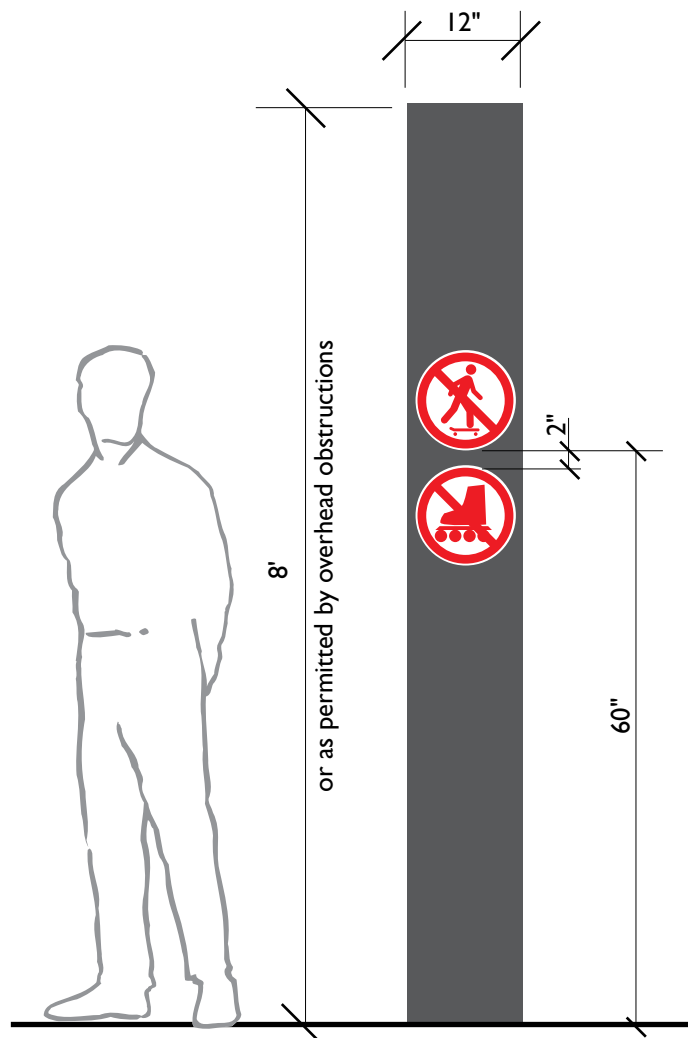
- Entirely painted - in dark gray, red and white on ivory (tunnel standard) walls.
- 12" wide bands as shown
- 10" diameter icon in white and red
(To be cut as vinyl paint mask and applied cleanly with roller)



Prohibited Activities Bar

Prohibited Activities Bar:

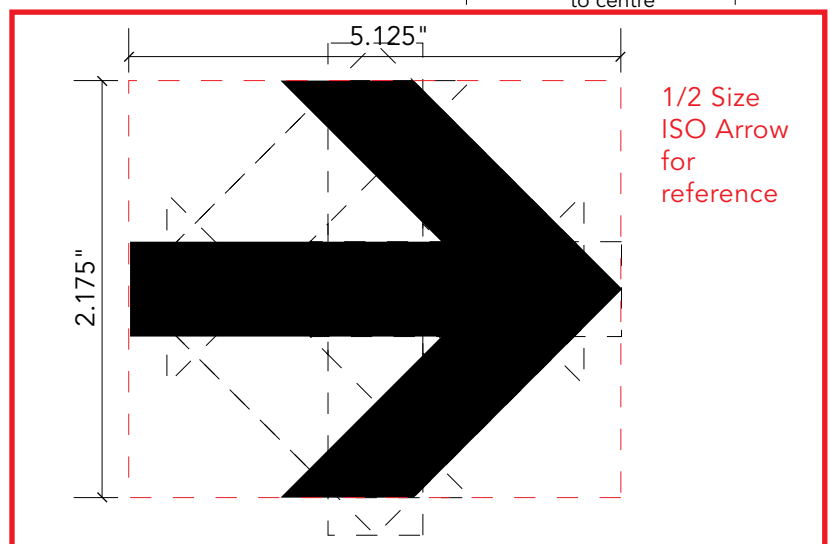
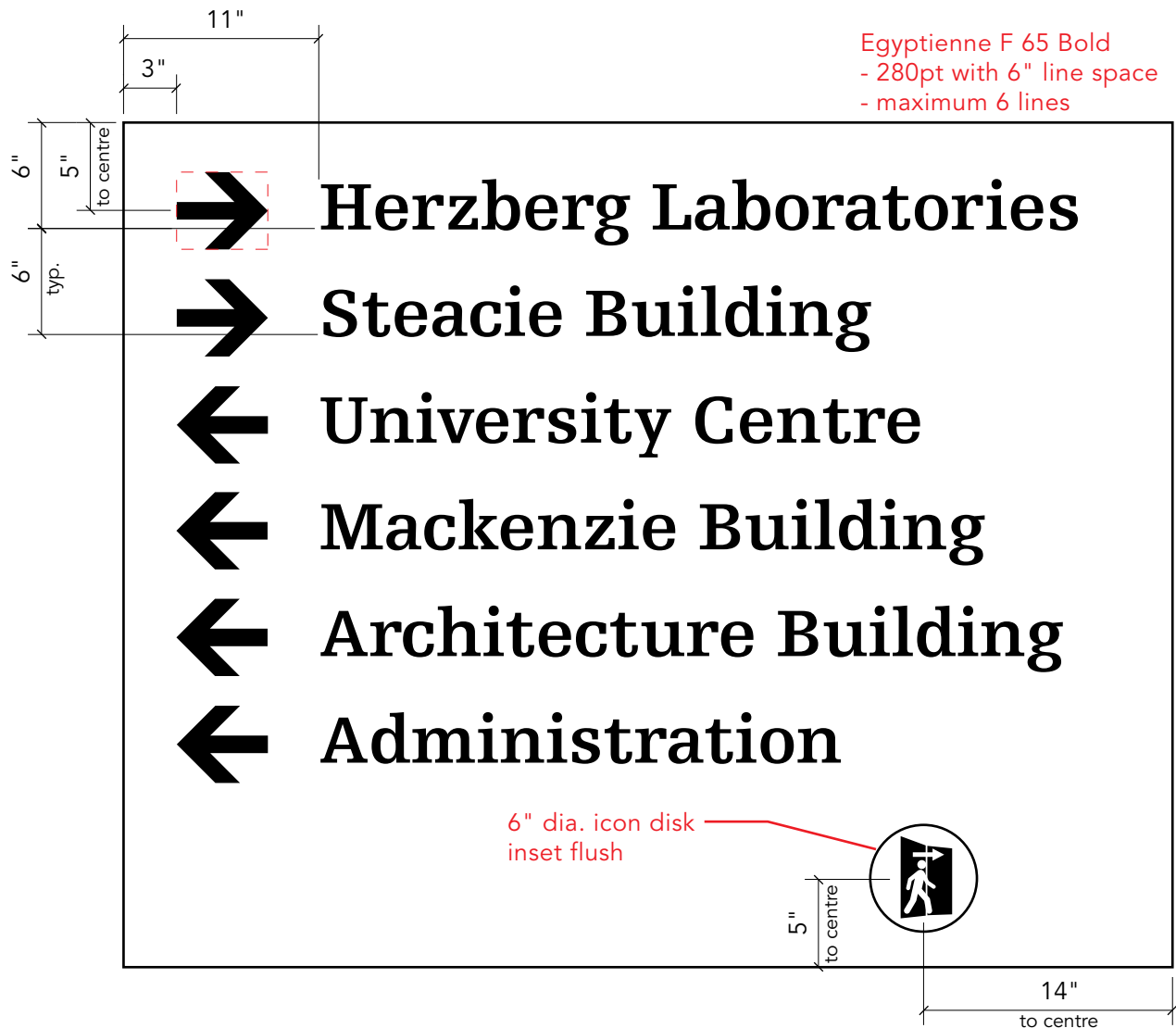
- Entirely painted - in dark gray, red and white on ivory (tunnel standard) walls.
- 12" wide band as shown
- 10" diameter icon in white and red
(To be cut as vinyl paint mask and applied cleanly with roller)



Tunnel Signage

Main Directional

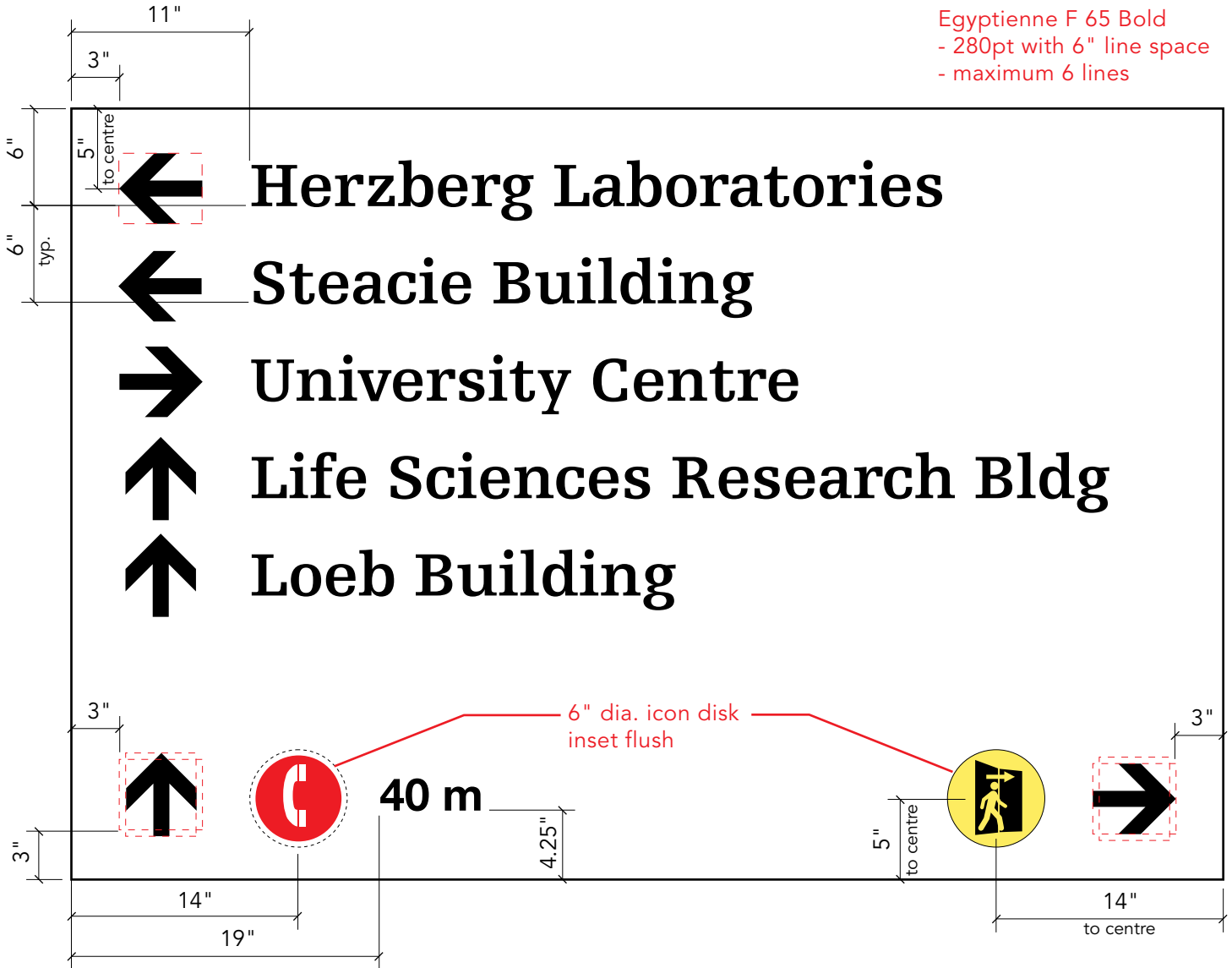
B.4.1



Tunnel Signage

Secondary Directional

B.4.2



Tunnel Signage

B.4.3

Map for Both Main Directional & Map Only Directory



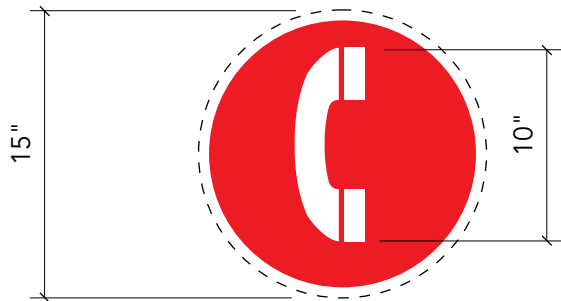
Map art to be supplied as required

Map has 4 orientations depending on which wall map is placed (eg North, South, East, or West)

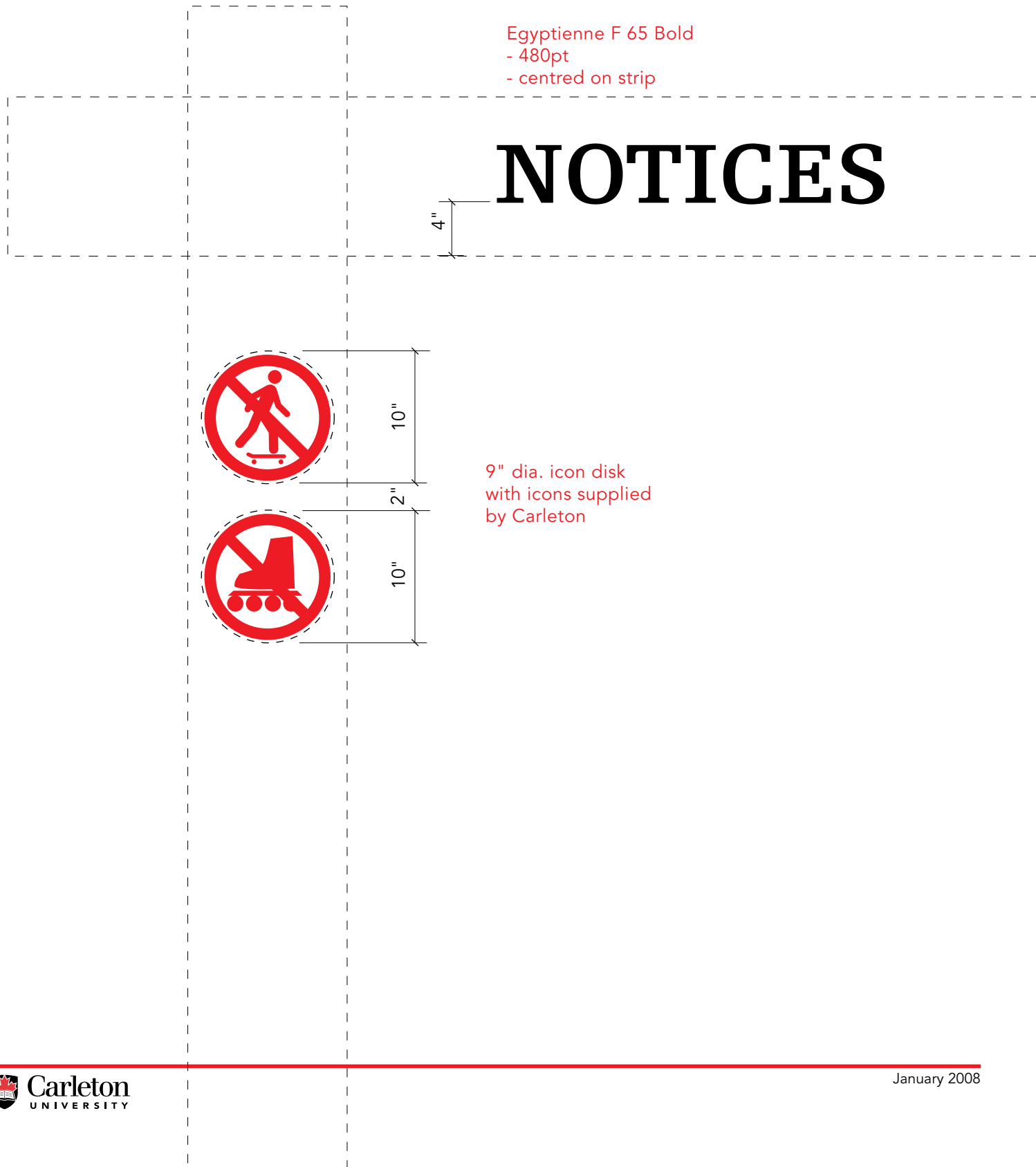


Emergency Telephone Marker

14" dia. icon disk
with 10" ISO telephone
handset icon

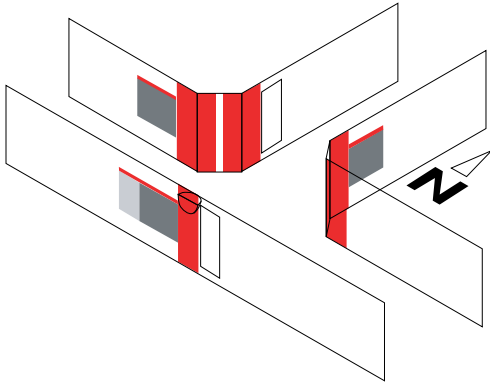


Wall Notice Area & Prohibited Activities Bar



Main Directional with Map

Typical 3-way Junction
with one Main & two
Secondary Directionals



Main Directional (with Map)

Installation:

- Painted red stripes on wall are
 - a) on corner of junction or
 - b) in line of sight down corridor (on 3 way junction)
- Sign location/orientation is dependant on location - ie wall by wall and junction by junction basis
- Locations are also dictated by obstructions - ie pipes, doors etc.
- Artwork (text & arrows) can only be done after site layout is complete - ie sign location is determined

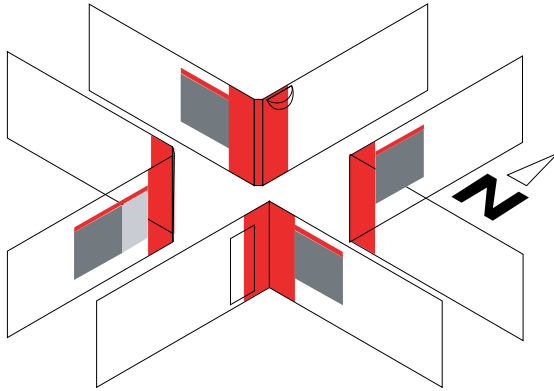


Tunnel Signage

Secondary Directional

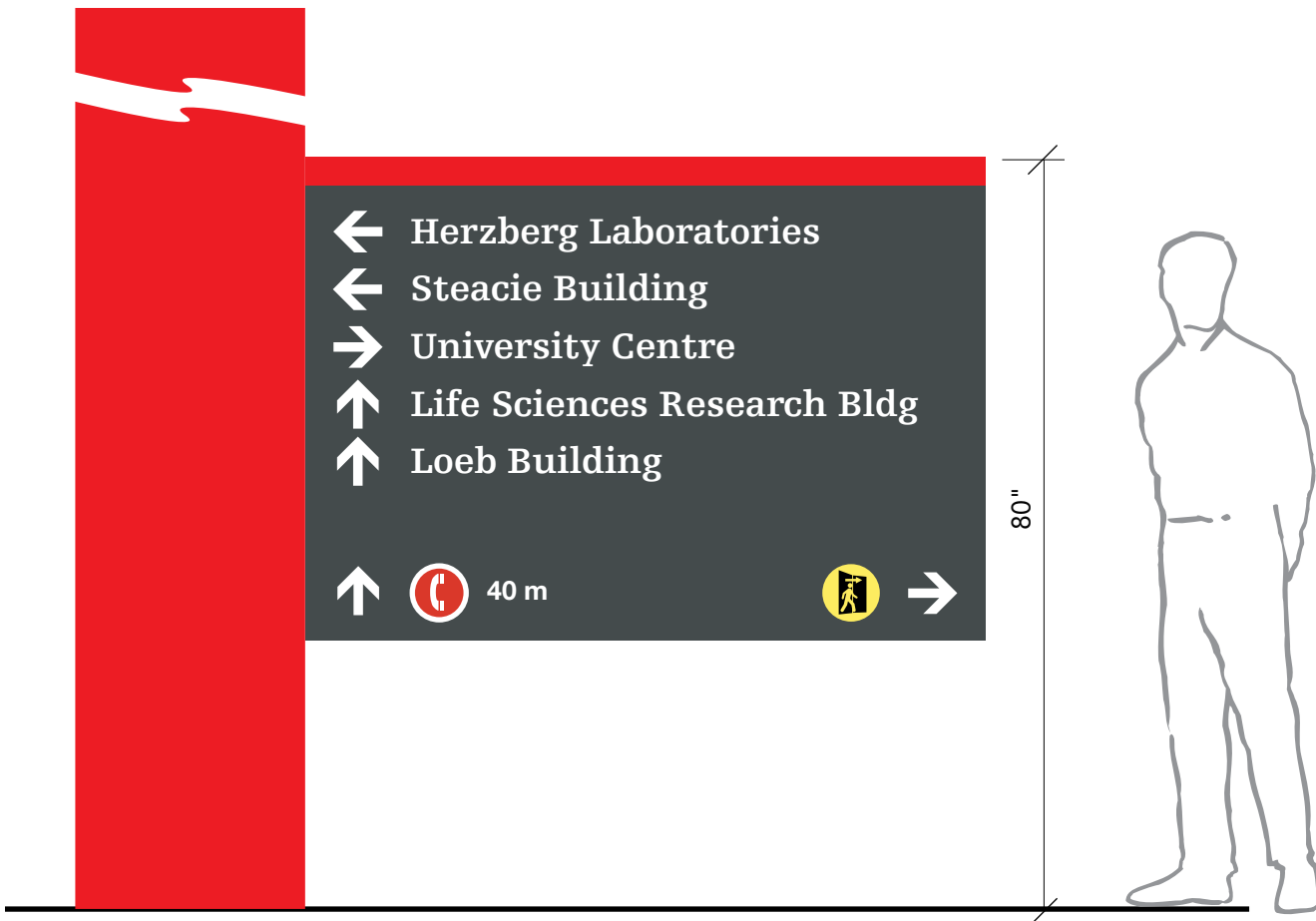
B.5.2

Typical 4-way Junction
with one Main & three
Secondary Directionals



Secondary Directional Installation:

- Painted red stripes on wall are
 - a) on corner of junction or
 - b) in line of sight down corridor (on 3 way junction)
- Sign location/orientation is dependant on location - ie wall by wall and junction by junction basis
- Locations are also dictated by obstructions - ie pipes, doors etc.
- Artwork (text, arrows & discs) can only be done after site layout is complete - ie sign location is determined

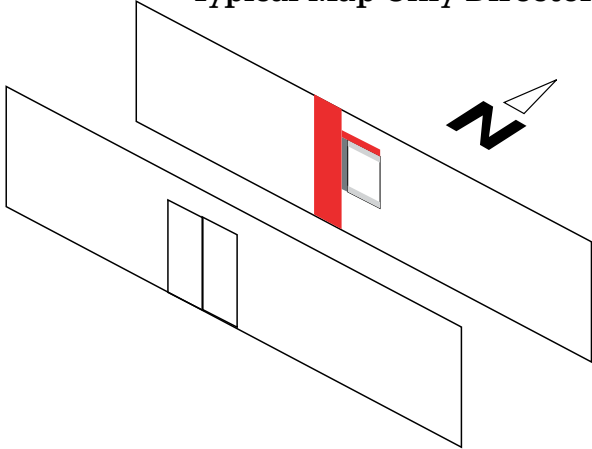


Tunnel Signage

Map Only Directory

B.5.3

Typical Map Only Directory



Map Only Directory

Installation:

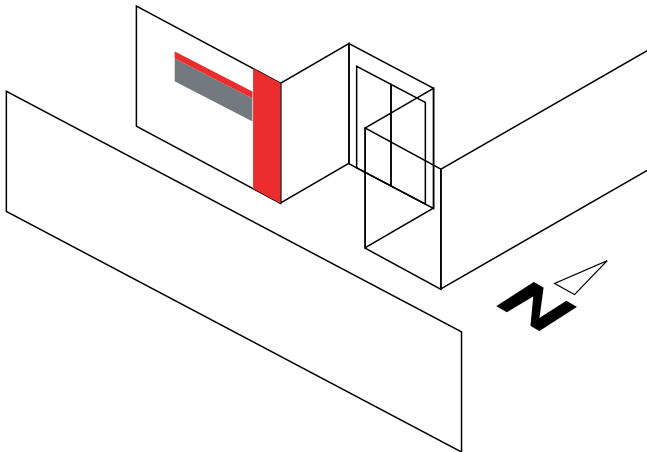
- Painted red stripes on wall are placed in high visibility locations
- Sign location/orientation is dependant on location - either left or right
- Locations are also dictated by obstructions - ie pipes, doors etc.



Tunnel Signage

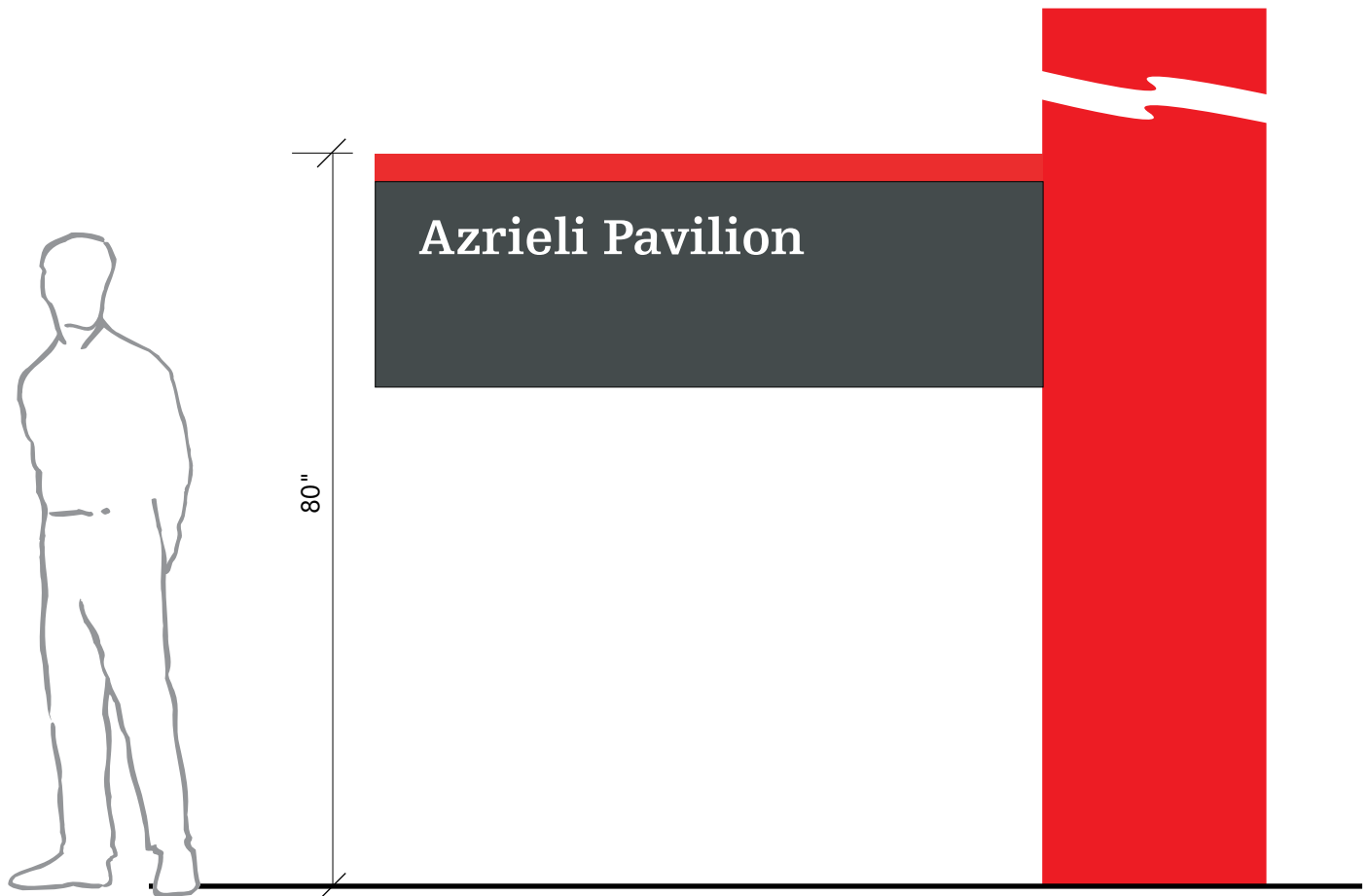
Building Entrance

Typical Building Entrance Sign



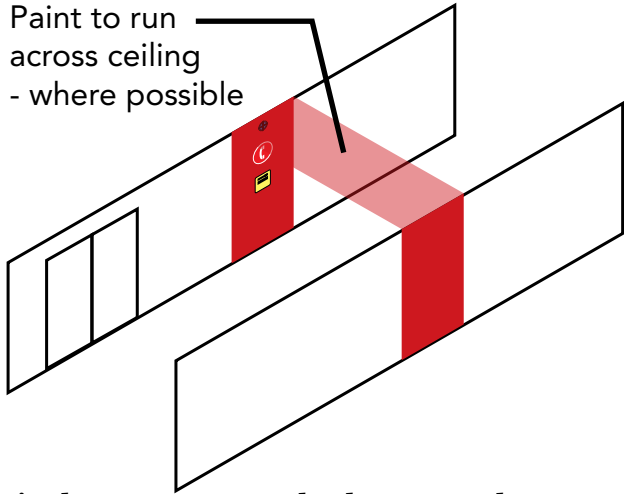
Building Entrance Installation:

- Painted red stripes on wall are placed in highest visibility location nearest door(s)
- Sign location/orientation is dependant on location - either left or right
- Locations are also dictated by obstructions - ie pipes, doors etc.



Emergency Telephone Marker

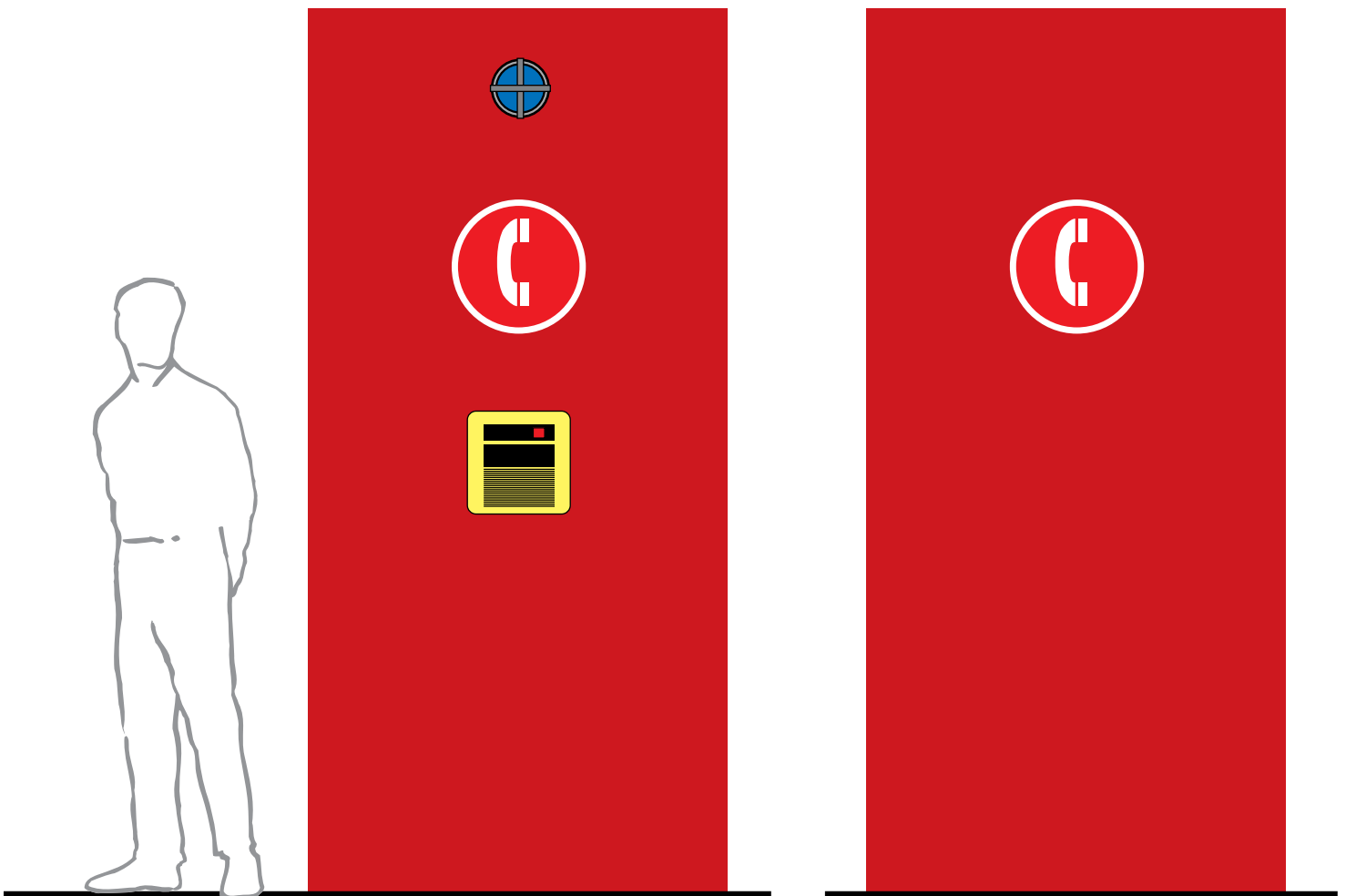
Paint to run
across ceiling
- where possible



Typical Emergency Telephone Marker

Building Entrance Installation:

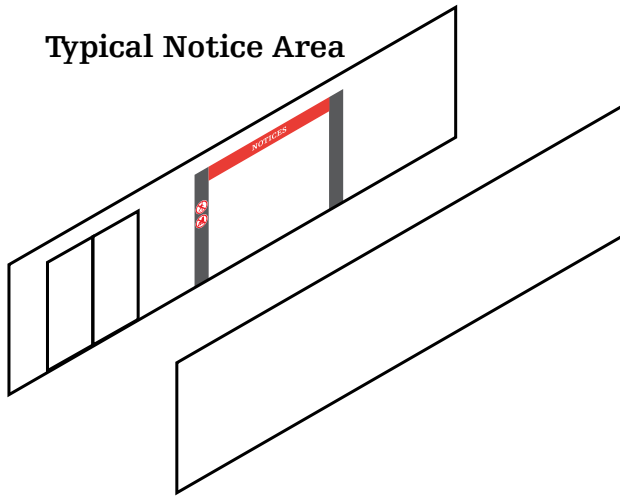
- Location/orientation is dependant on location of emergency telephone
- Painting dimensions are given in section 3



Tunnel Signage

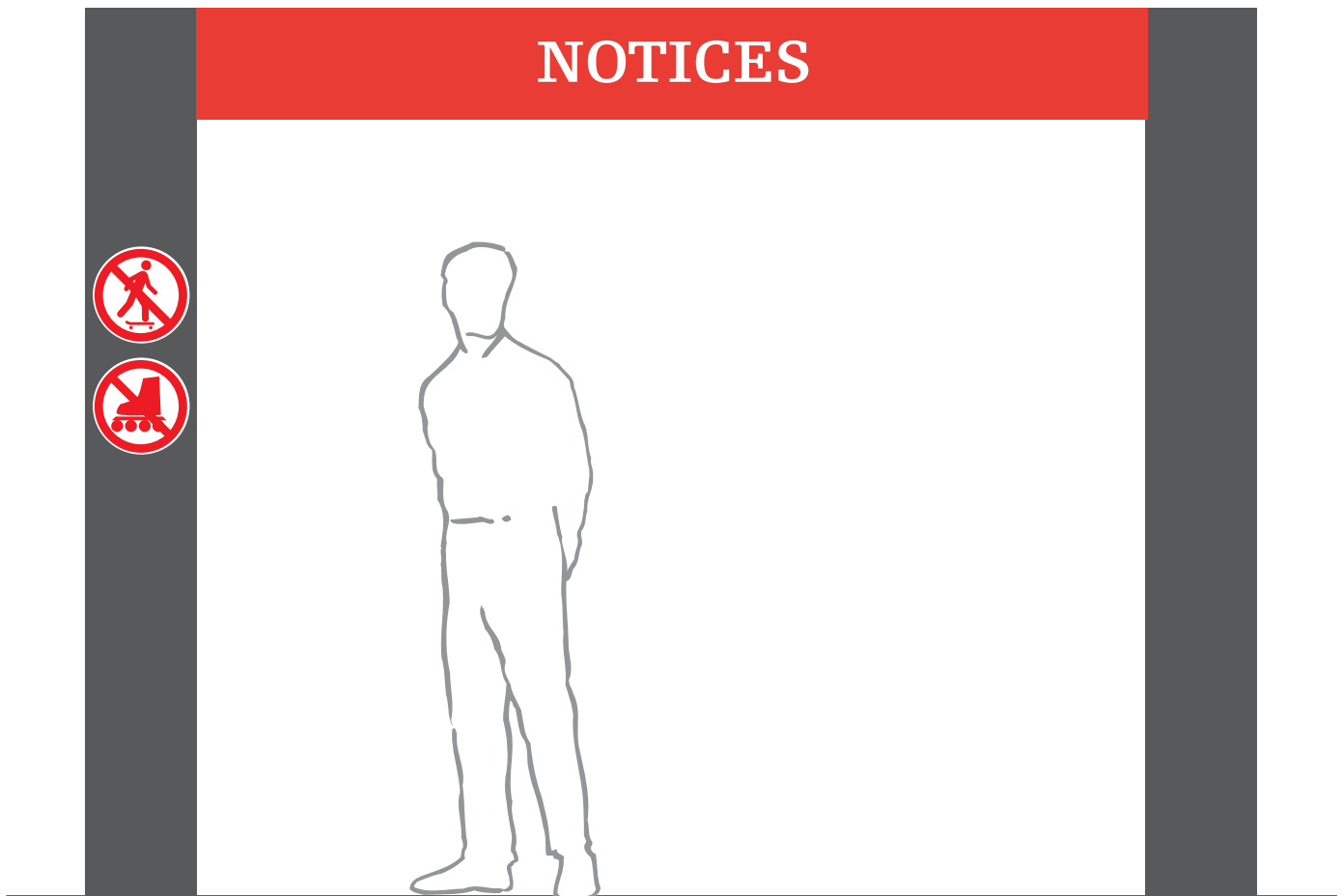
Wall Notice Area

Typical Notice Area



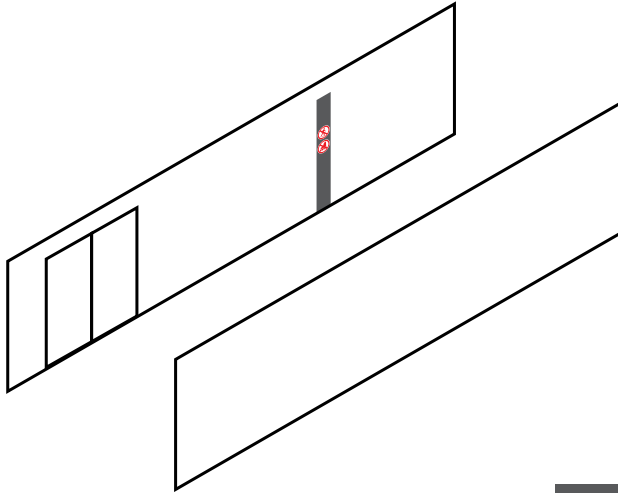
Building Entrance Installation:

- Location/orientation is entirely at discretion of Carleton University
- Painting dimensions are given in section 3



Prohibited Activities Bar

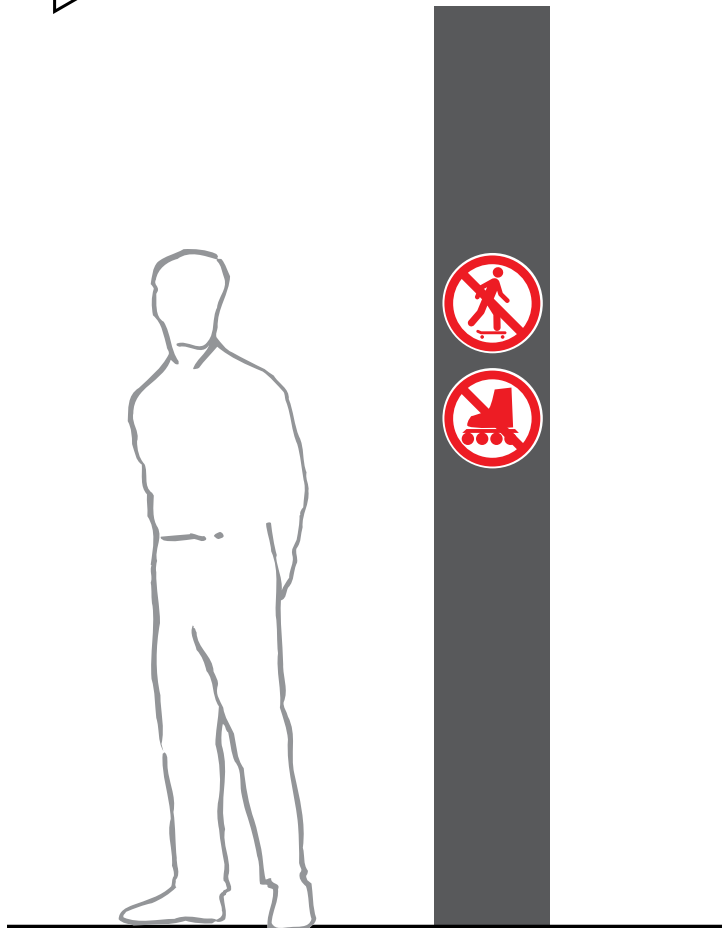
Typical Prohibited Activities Bar



Prohibited Activities Bar

Installation:

- Location/orientation is entirely at discretion of Carleton University
- Painting dimensions are given in section 3



These notes apply to the Directional/Directory Types – plastic faced portion only.

Cleaning

- All interior signs should be cleaned periodically – especially those in dusty environments.
- Cleaning for all signs should be done with a damp soft rag and mild, non-abrasive soap. Do not use paper towels as they will leave more particles behind and could scratch the sign surface.
- All signs with vinyl text should be wiped gently as vinyl text can be damaged/removed by excessive rubbing.

Removal of Paint due to Vandalism

- Some painted vandalism may be removed with solvents. The acrylics with textured surfaces will withstand small amounts of 'rubber cement' thinner and P95 can resist stronger solvents such as acetone.
- Always test solvents prior to use on any surface as most solvents will damage sign surfaces or inks.