

# MODULAR UA RAMPS | **3a**

## Dows Lake Installation Guide

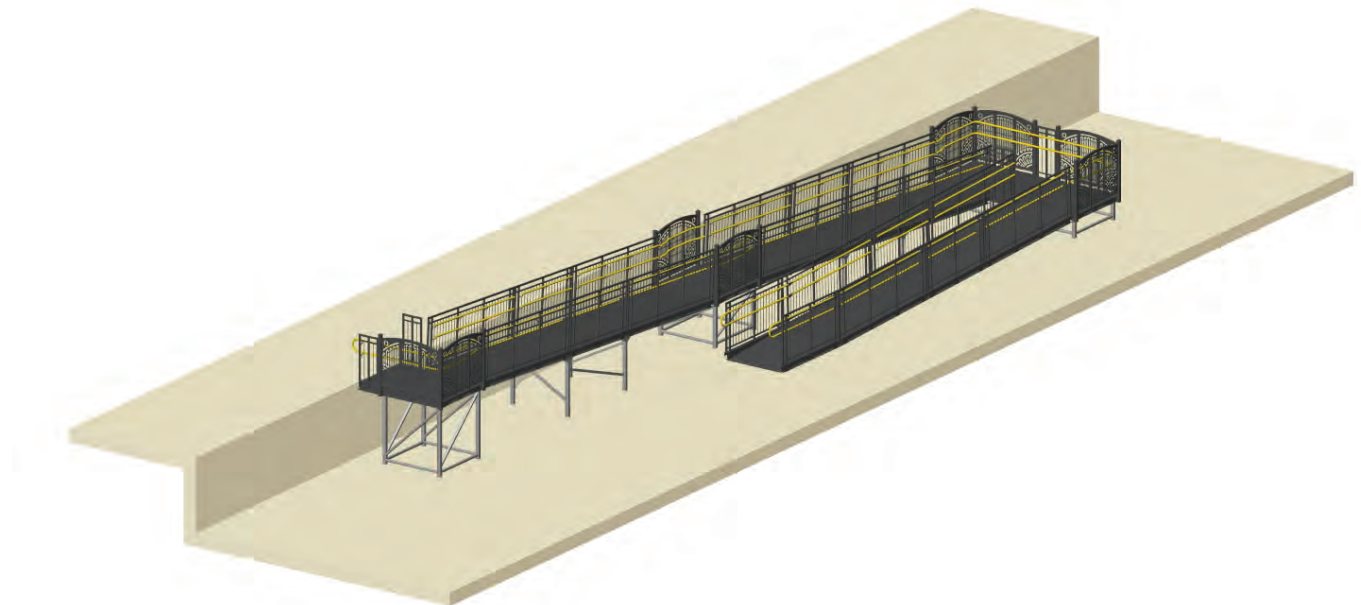
Introduction	Page 1
Parts and Preconfiguration	Page 2 - 7
Installation Procedure	Page 8 - 18

# Introduction

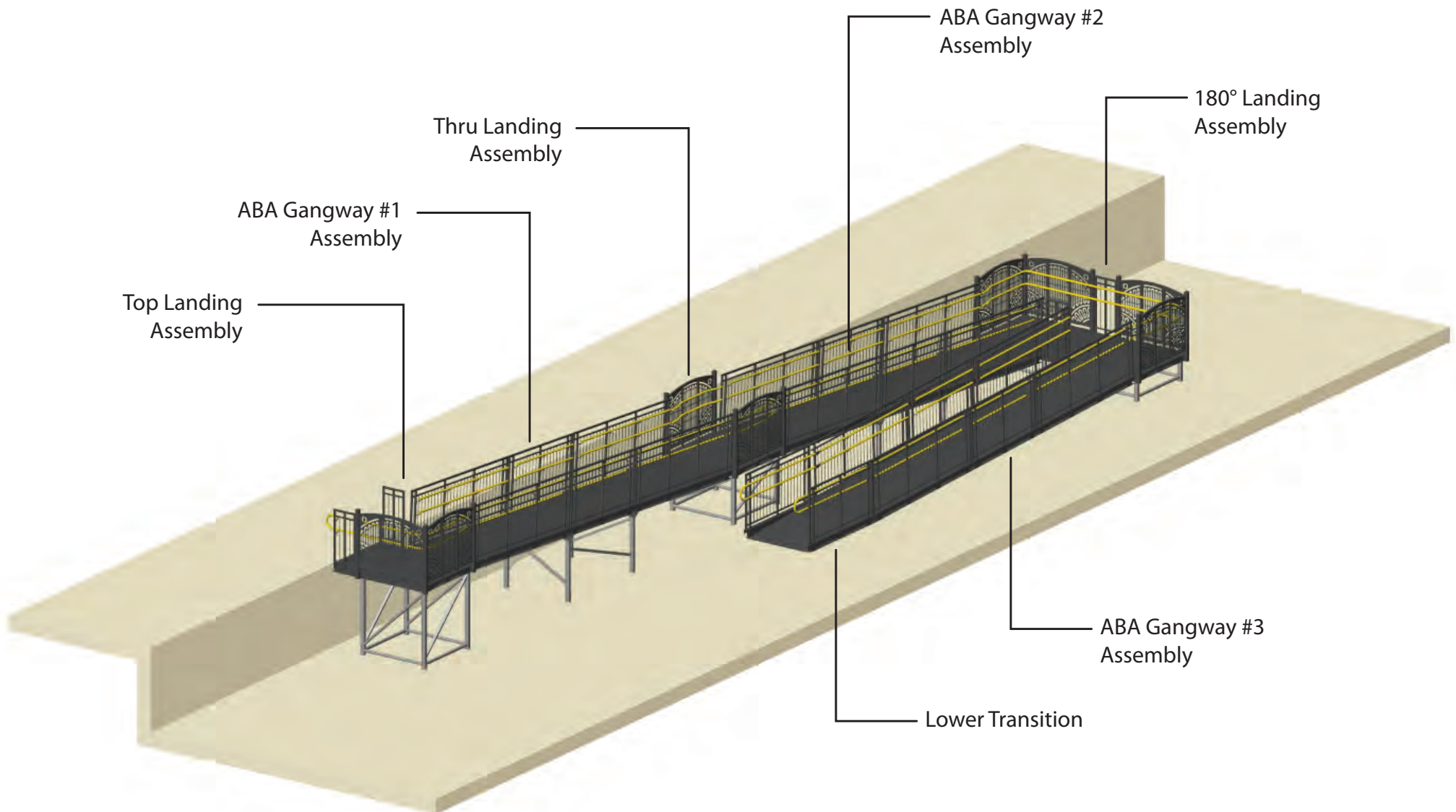
The Dow's Lake Ramp is installed as part of the infrastructure required for the Rideau Canal Skateway. It is typically installed in November of each year during a special period of extra-low water intended to facilitate such installations. This ramp has a 1:15 slope.

The following pages outline the components and sub-assemblies that make up the Dow's Lake Ramp, and provide step-by-step instructions for their installation on site.

It is important to note that several assemblies are to be preconfigured prior to assembly, in particular the gangways and landings. Attending to this prior to installation will speed the process and make everything easier.

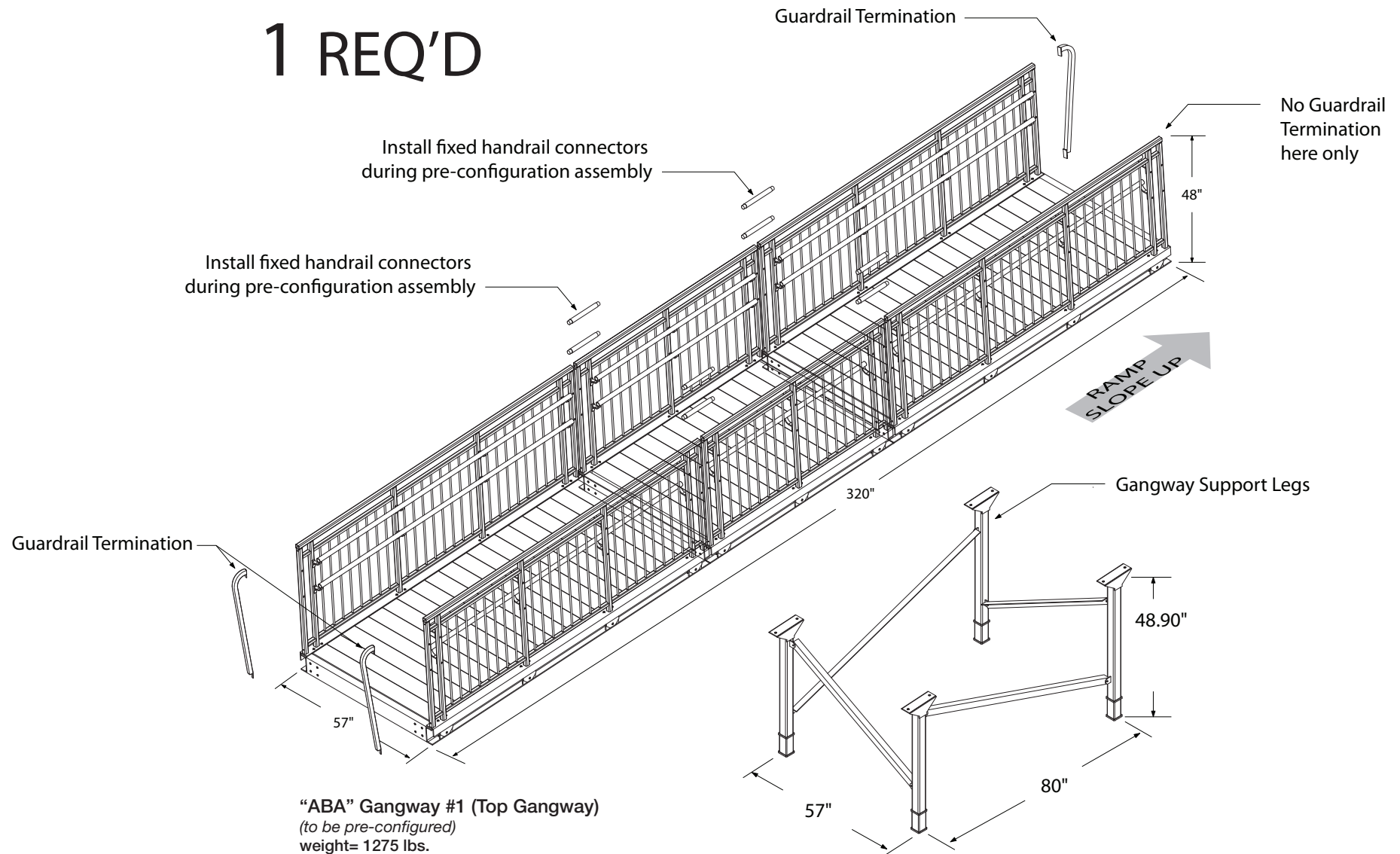


## Overview



# Gangways & Ramp Supports

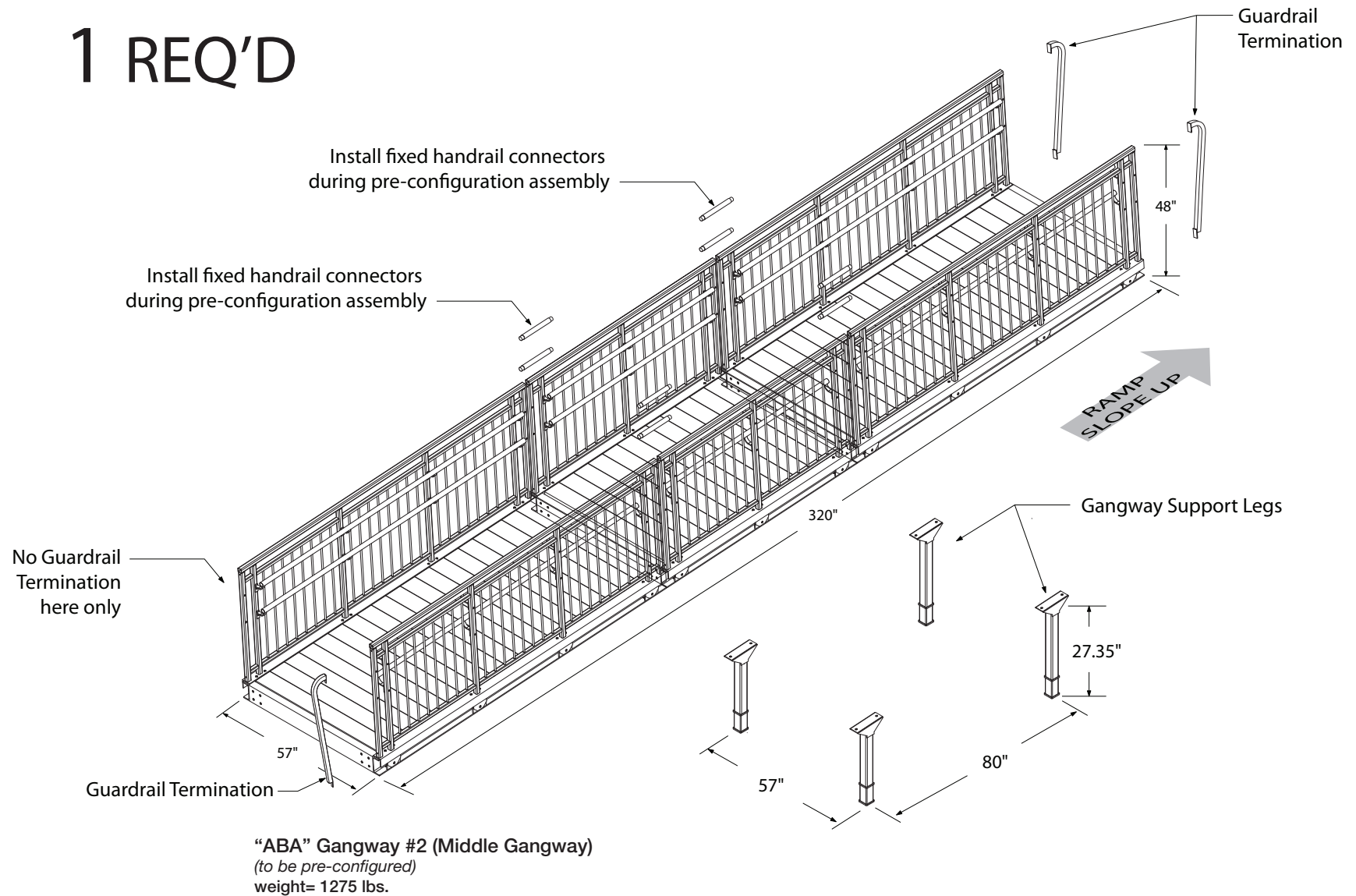
## 1 REQ'D



NOTE: All supports require scaffold jack levellers on all four legs.

# Gangways & Ramp Supports

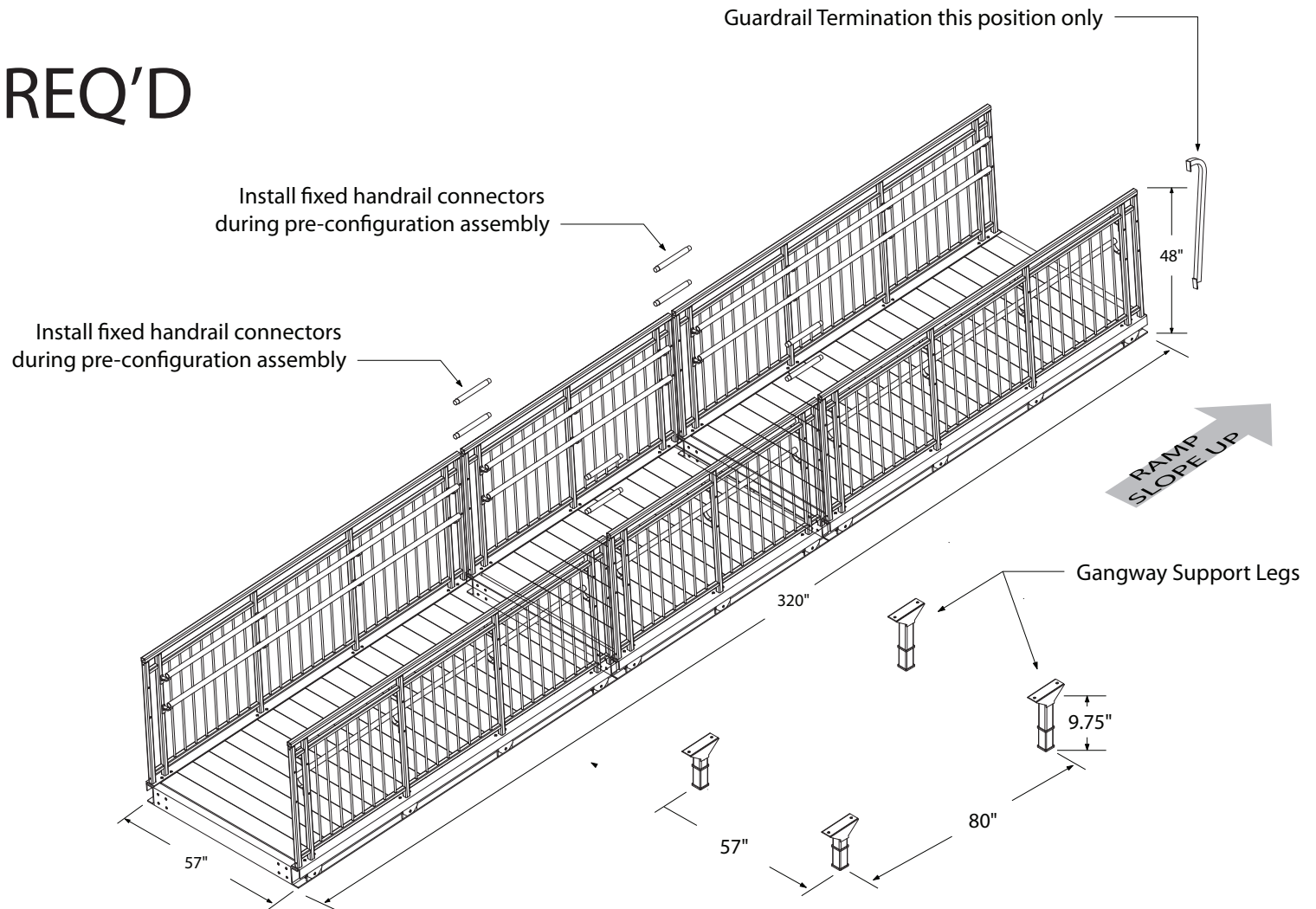
## 1 REQ'D



NOTE: All supports require scaffold jack levellers on all four legs.

# Gangways & Ramp Supports

## 1 REQ'D

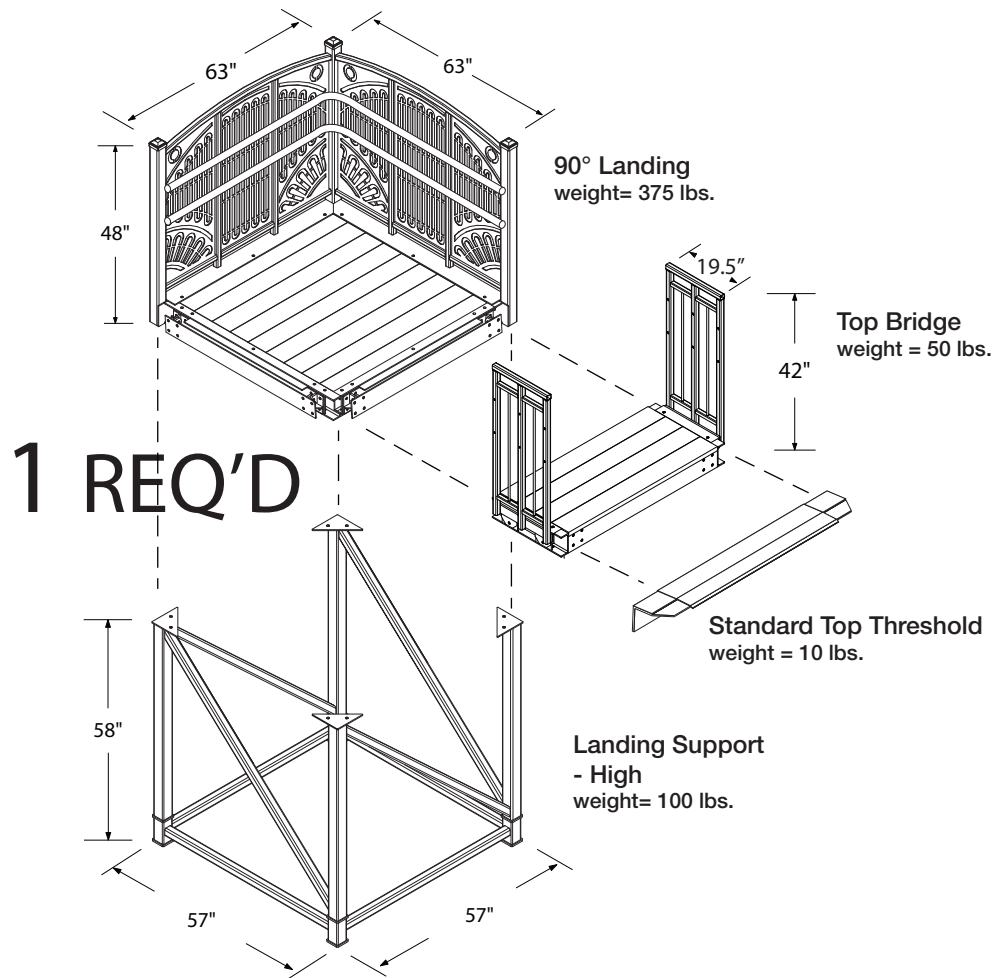


**"ABA" Gangway #3 (Lower Gangway)**  
(to be pre-configured)  
weight= 1275 lbs.

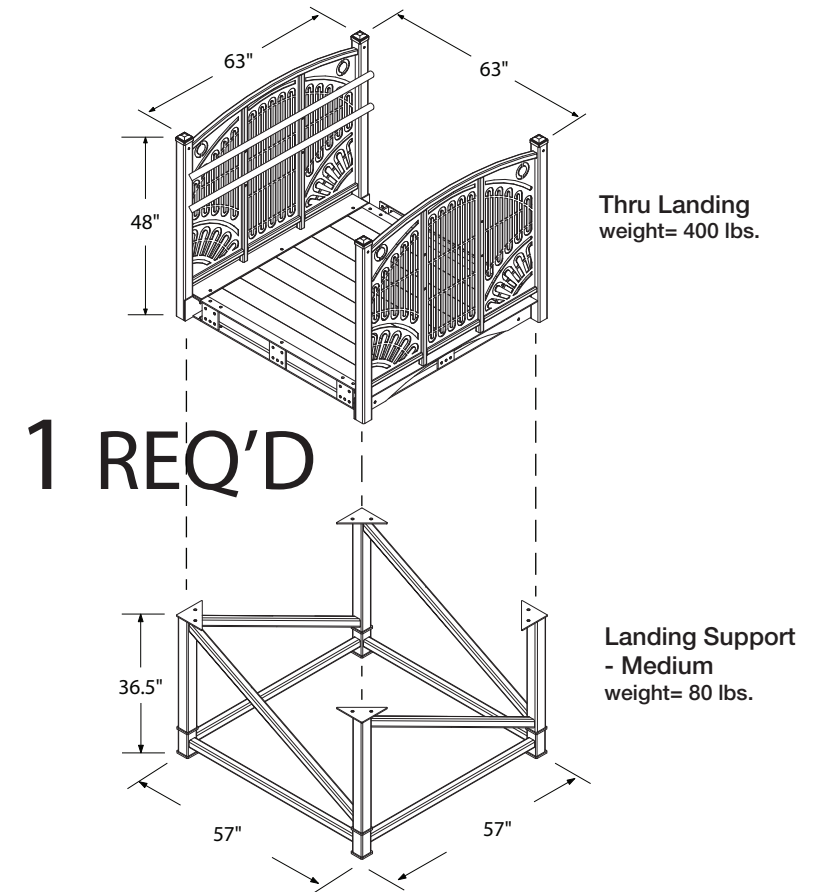
NOTE: All supports require scaffold jack levellers on all four legs.



# Landings & Landing Supports



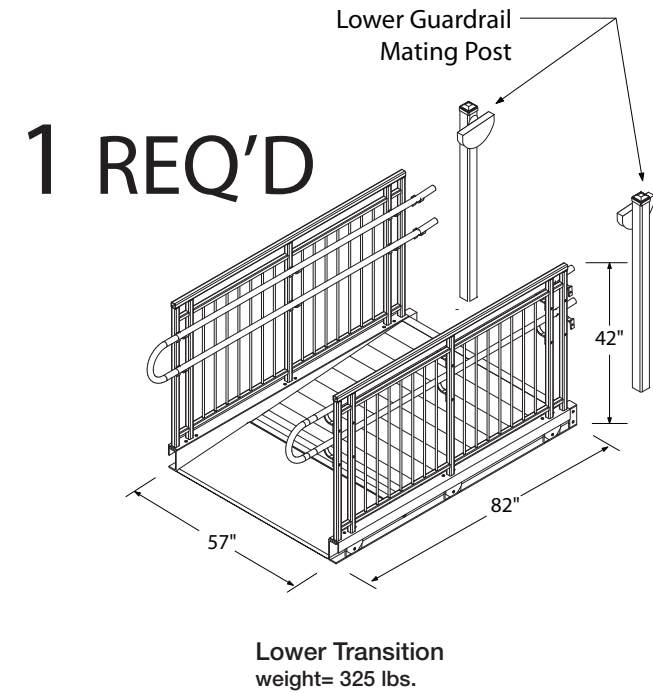
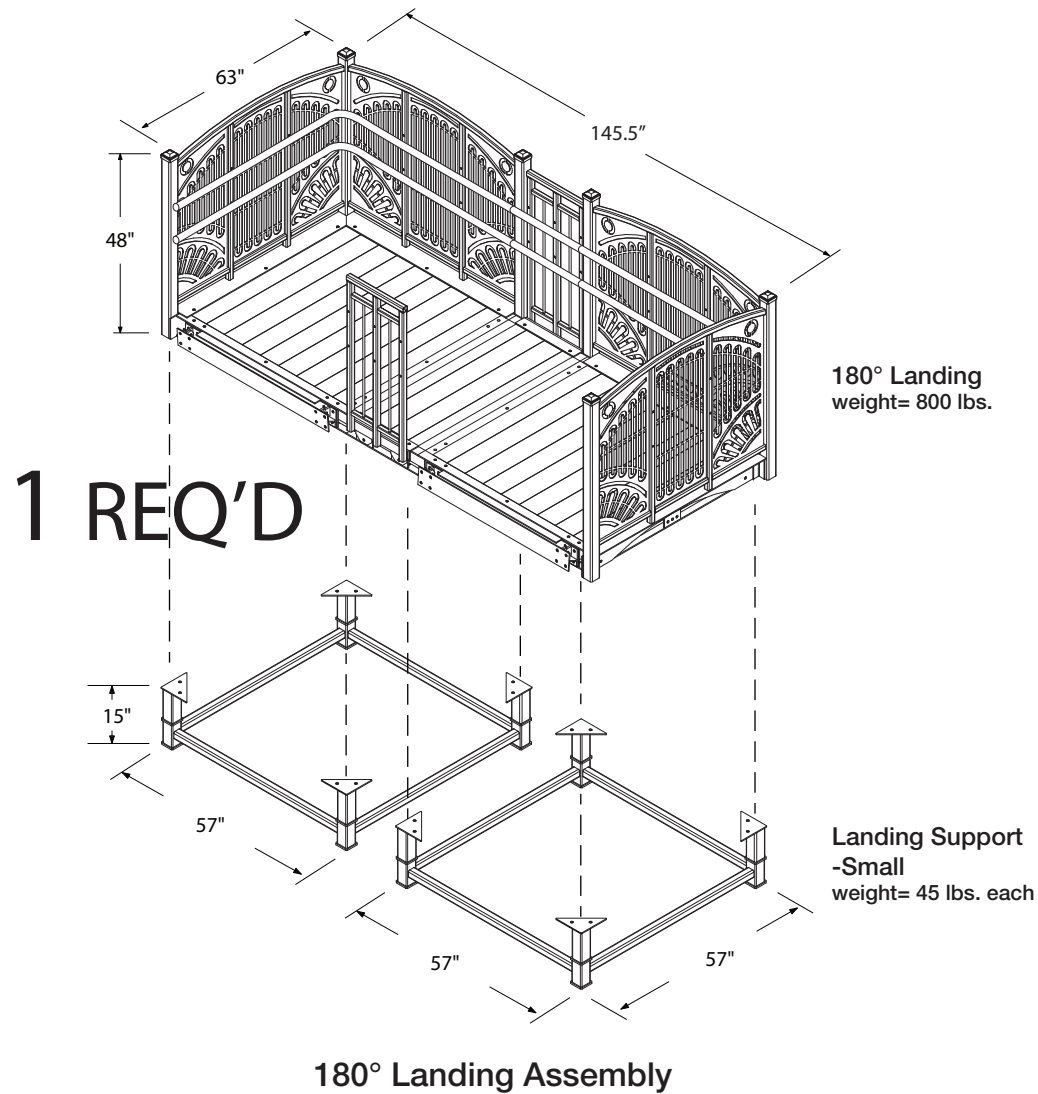
Top Landing Assembly



Thru Landing Assembly

NOTE: All supports require scaffold jack levellers on all four legs.

# Landings & Landing Supports



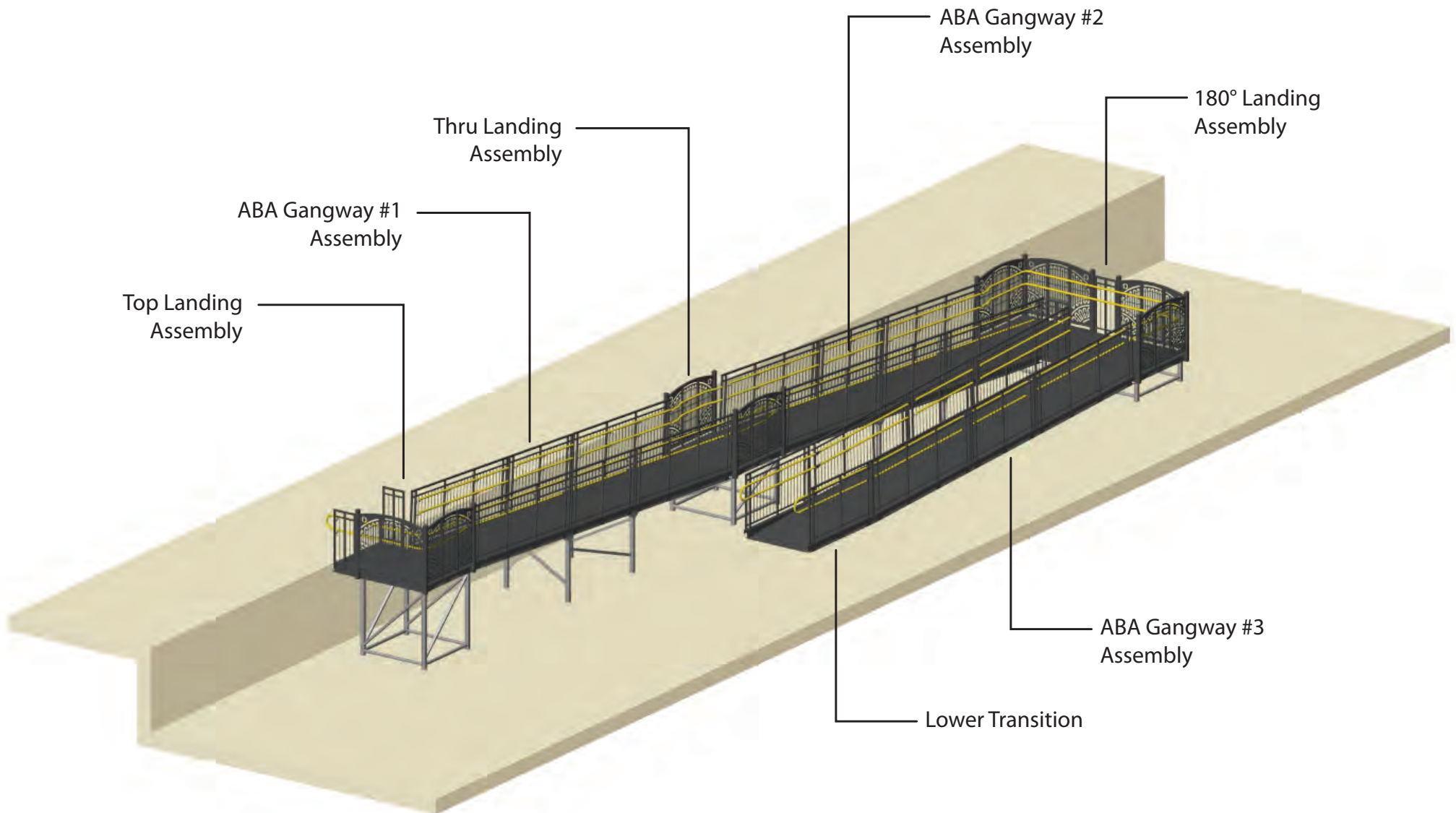
## Handrail Connectors Required

- 24 - Fixed Connectors
- 8 - Variable Length Long Connectors
- 10 - Variable Length Short Connectors
- 1 - 180° Inner Handrail
- 1 - Top Bridge Inner Handrail
- 1 - Top Bridge Outer Handrail

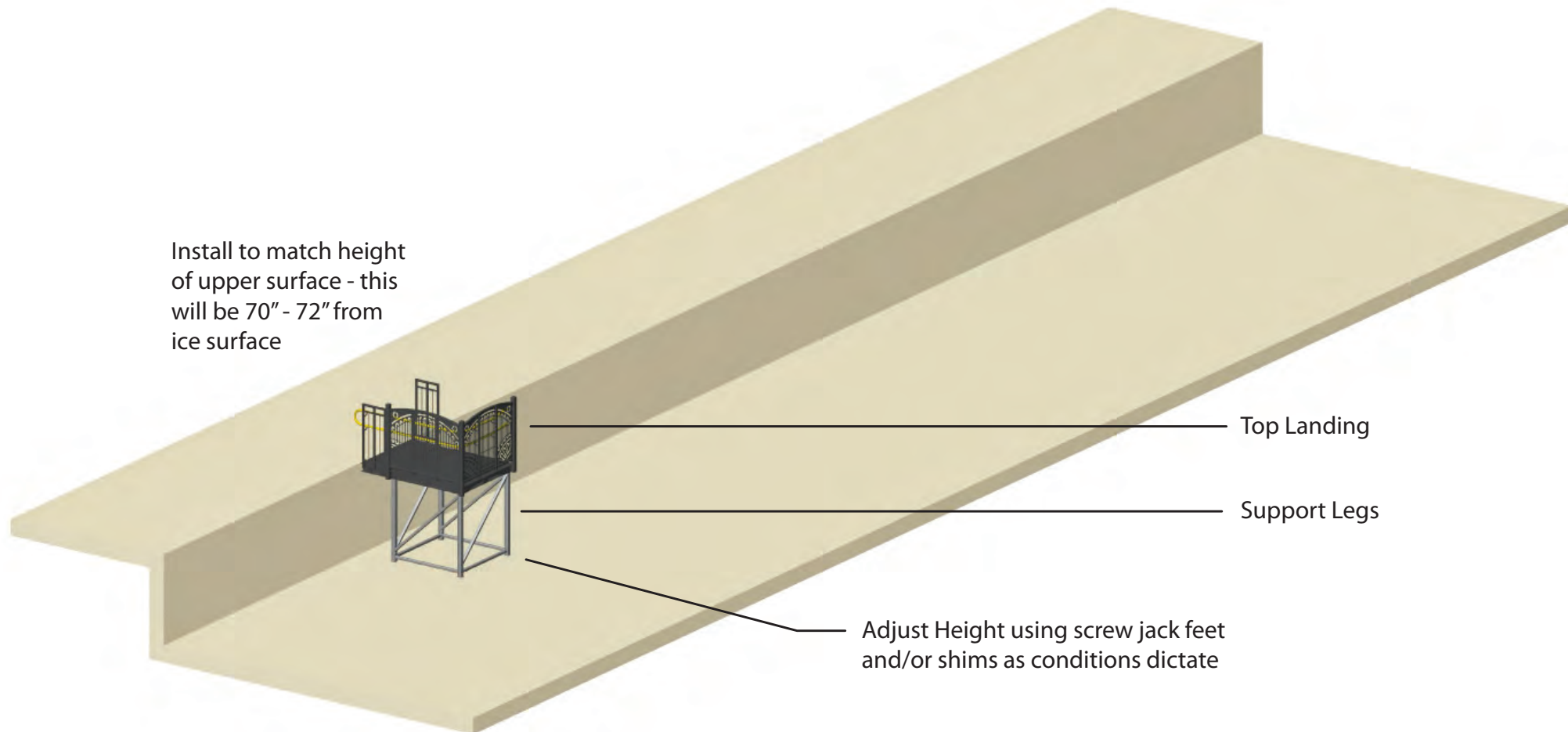
NOTE: All supports require scaffold jack levellers on all four legs.



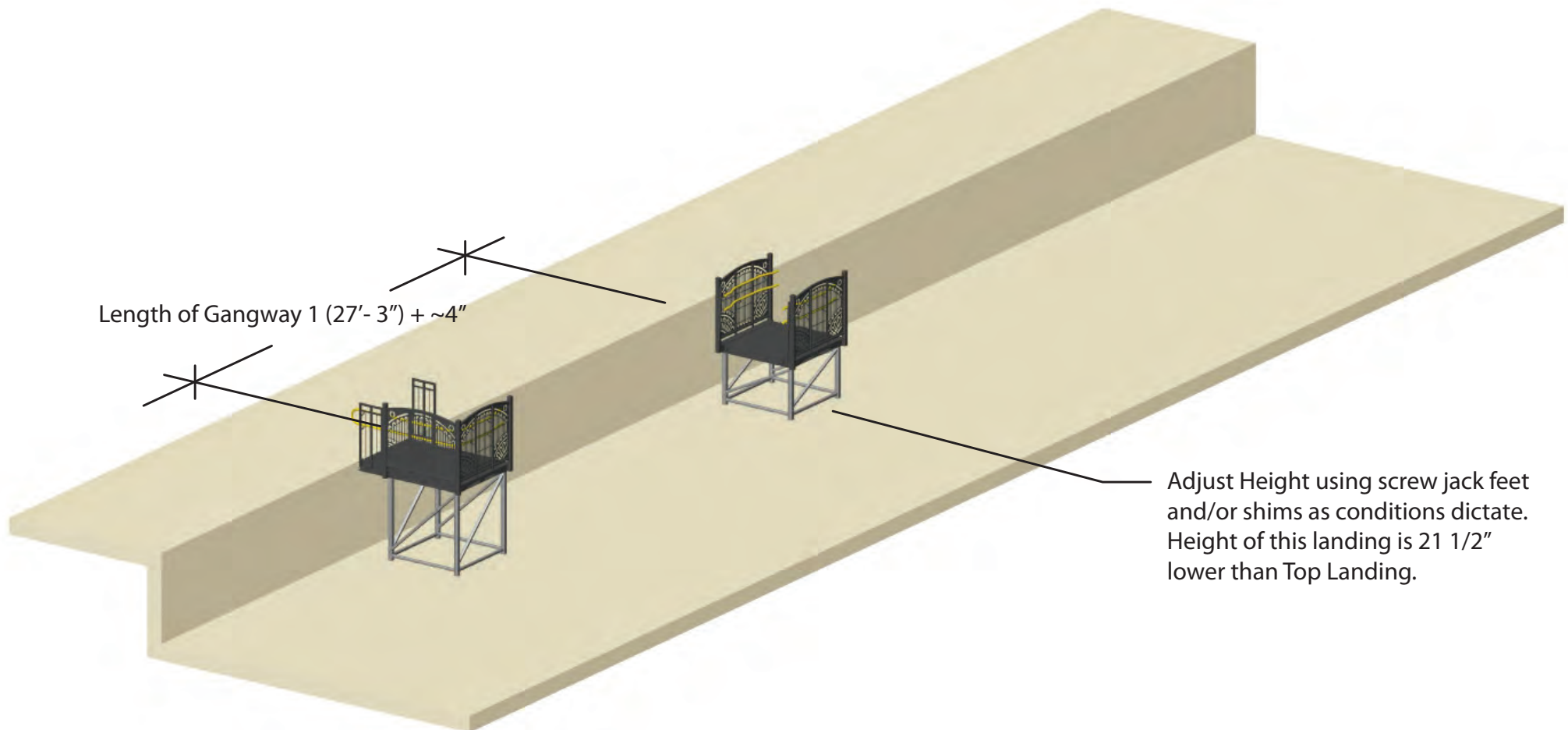
## Overview



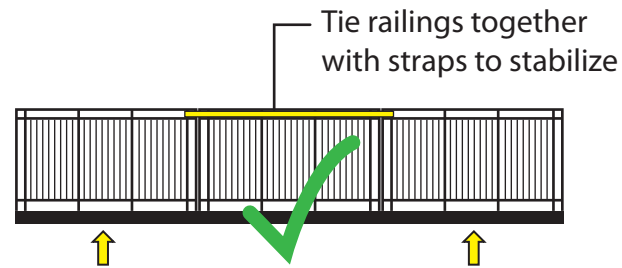
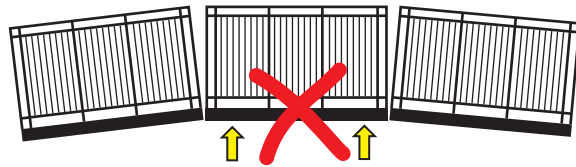
## Install Top Landing



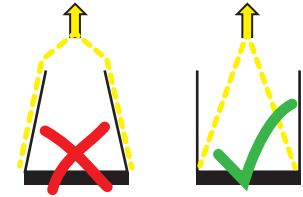
## Install Landing 1



# Install Gangway 1

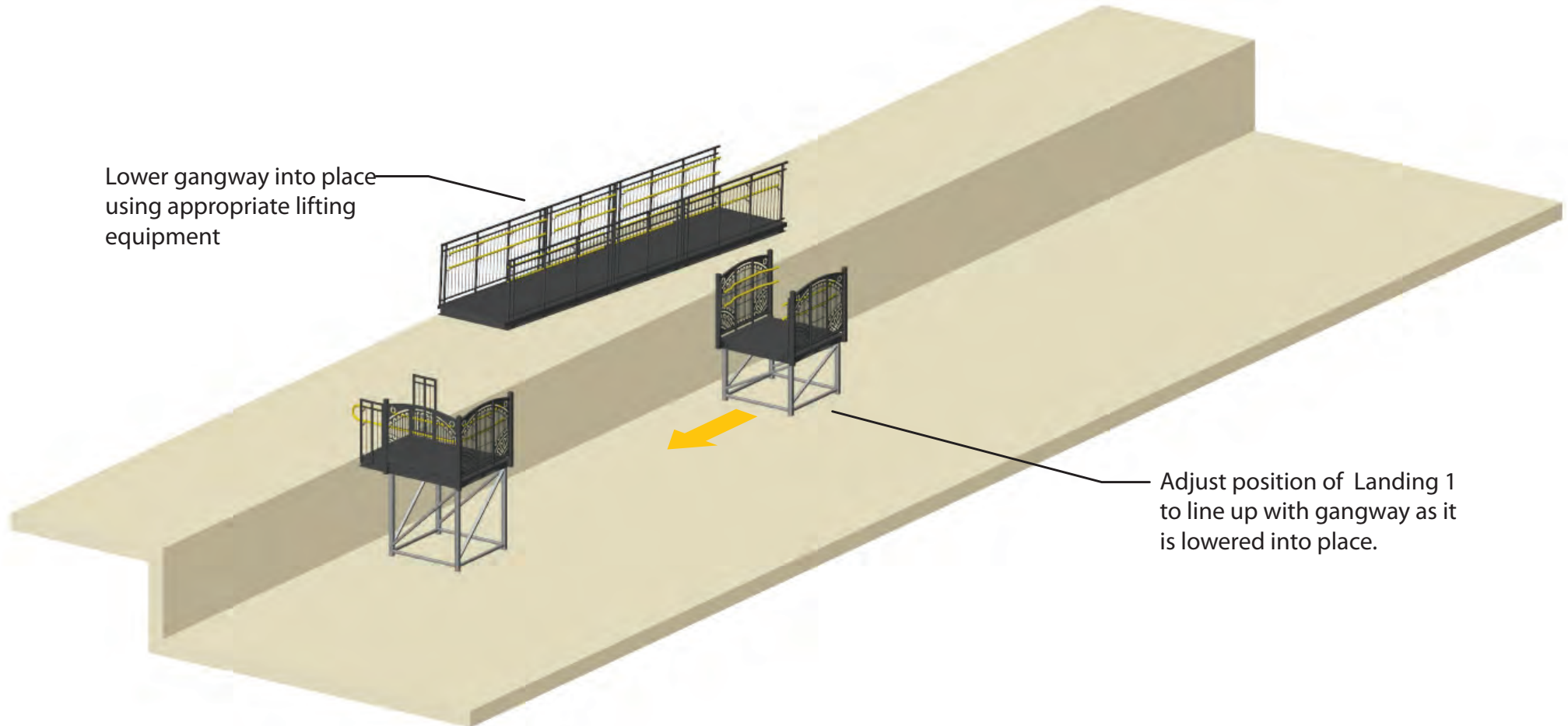


Lift from points near ends to avoid damage to gangways



All lifting straps or slings must be inside railings to avoid damage

Lower gangway into place using appropriate lifting equipment



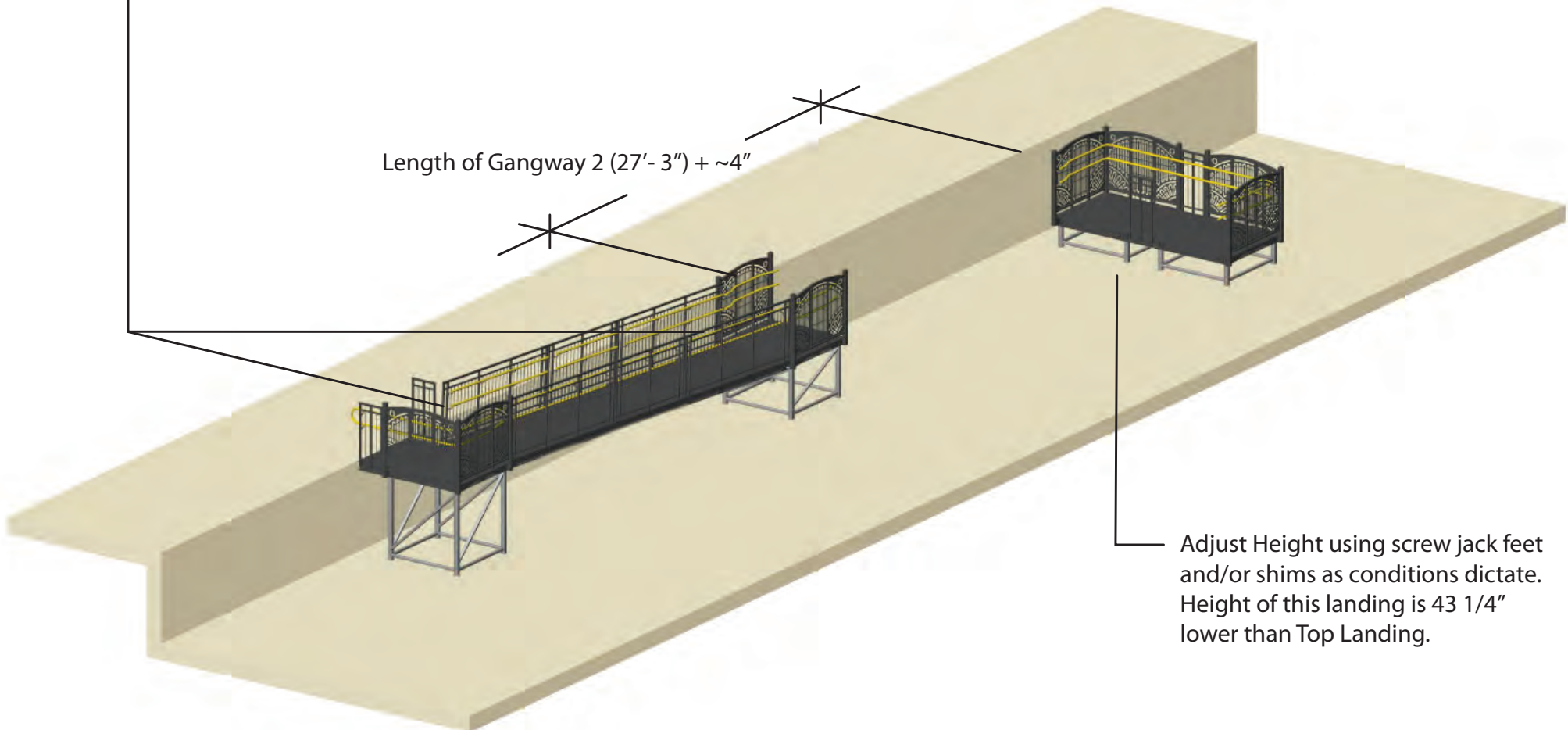
Adjust position of Landing 1 to line up with gangway as it is lowered into place.

## Install Landing 2

Secure gangways in place with two locking pins at each end.  
NOTE: Rotate the pin handles down to avoid interference with mats.

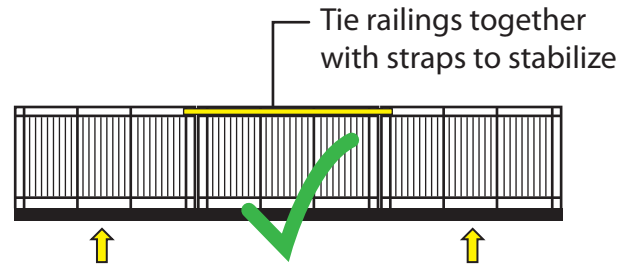
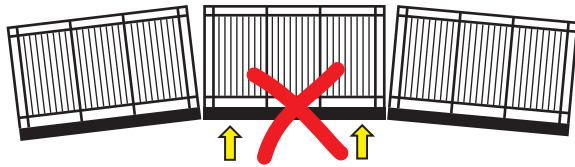
Length of Gangway 2 (27'- 3") + ~4"

Adjust Height using screw jack feet and/or shims as conditions dictate. Height of this landing is 43 1/4" lower than Top Landing.

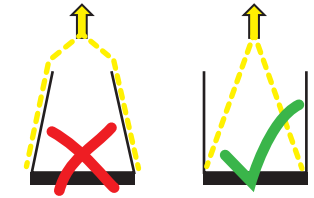




## Install Gangway 2

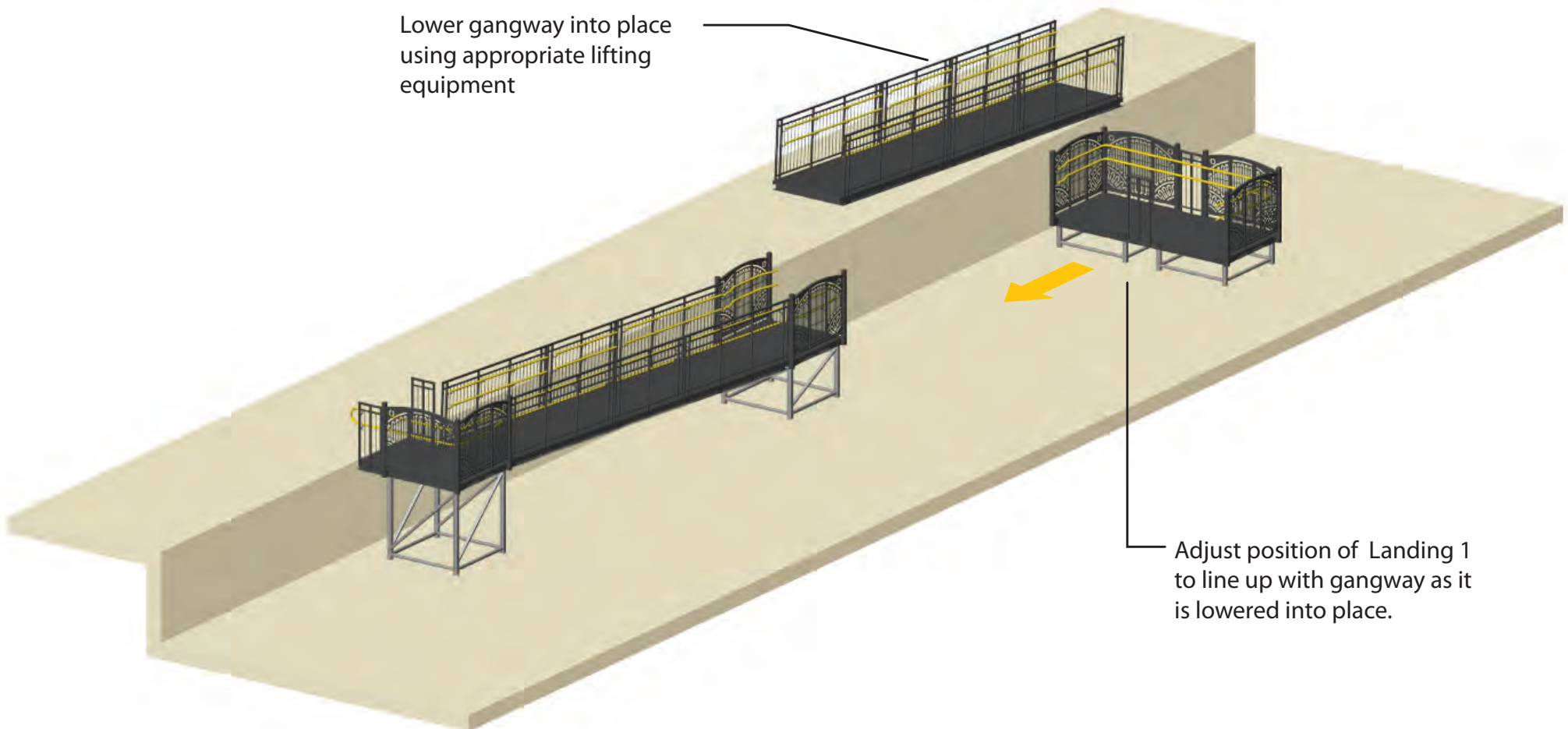


Lift from points near ends to avoid damage to gangways



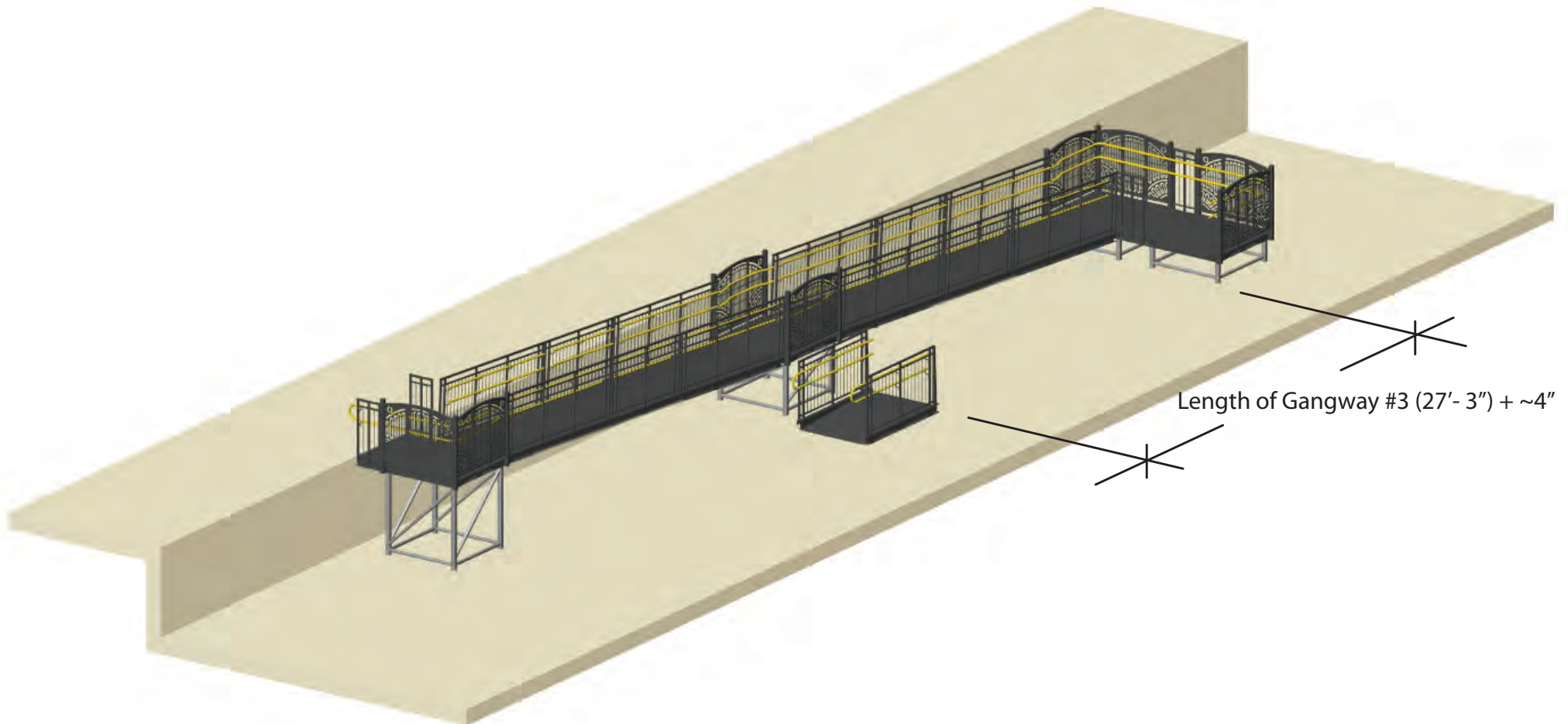
All lifting straps or slings must be inside railings to avoid damage

Lower gangway into place using appropriate lifting equipment

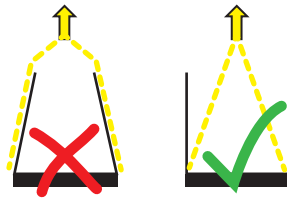
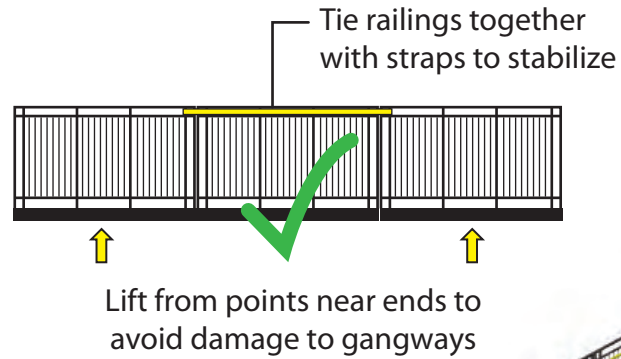
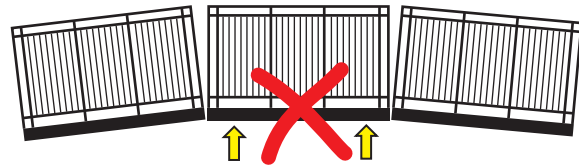




## Install Lower Transition

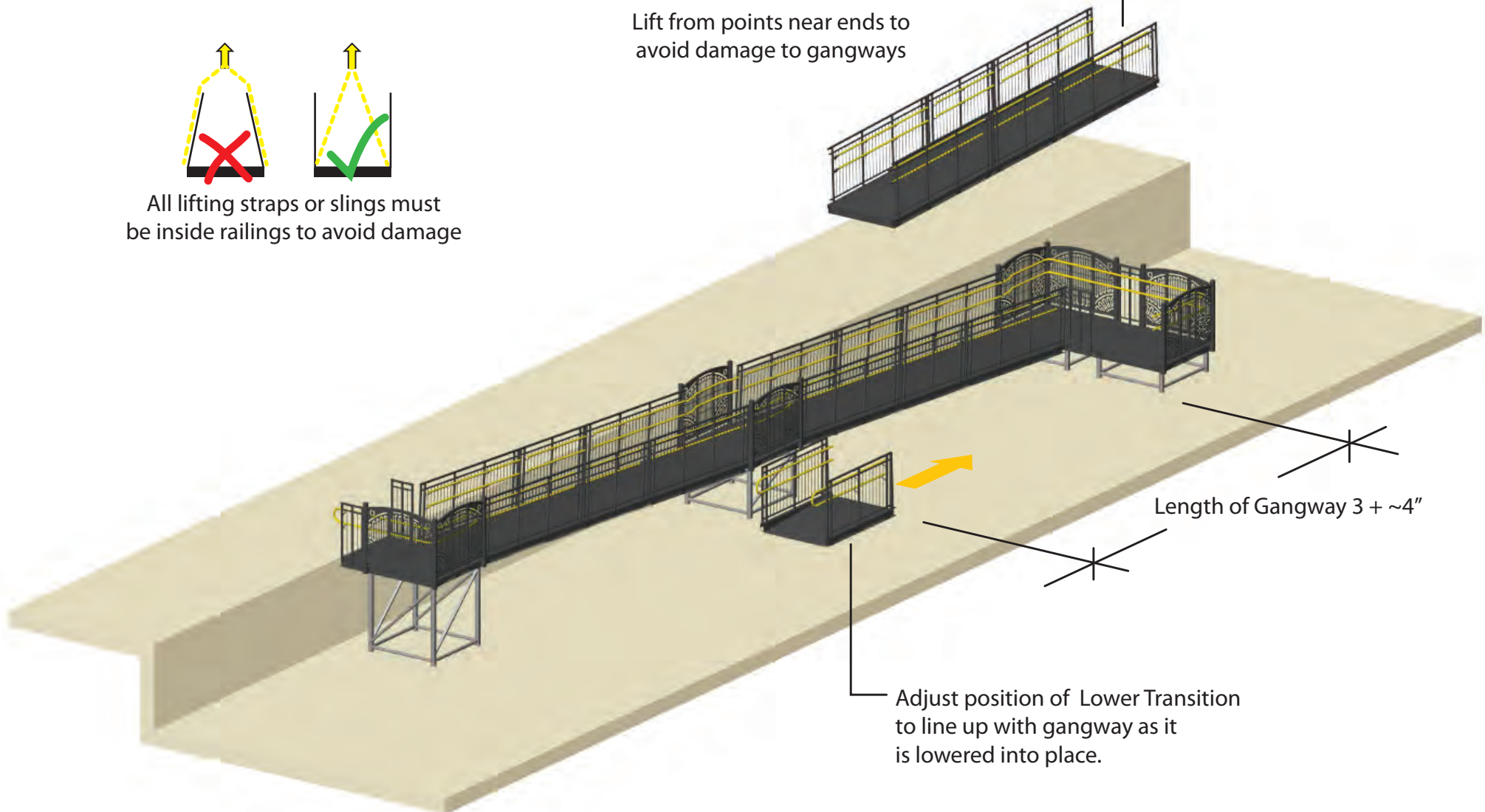


## Install Gangway 3

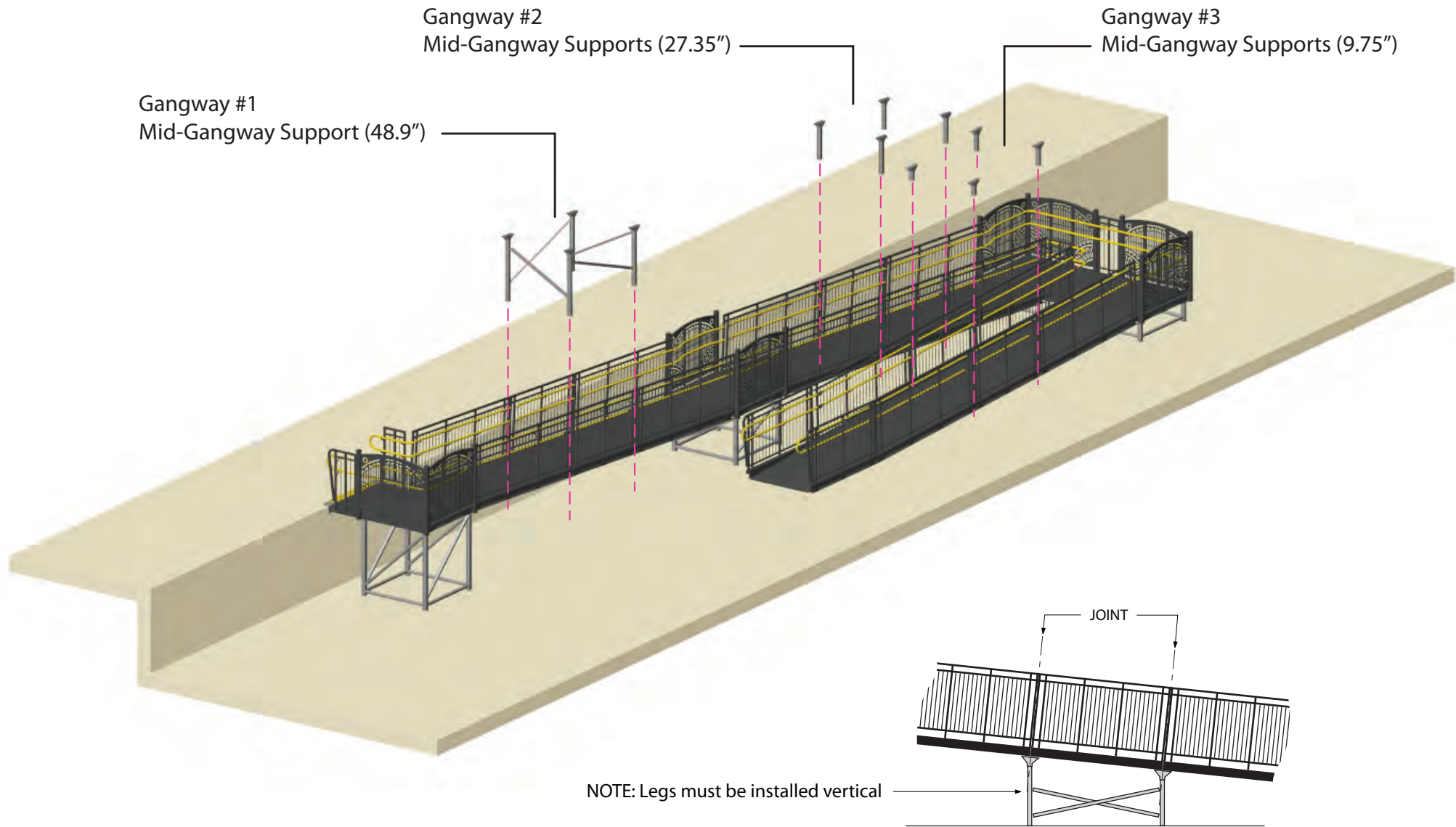


All lifting straps or slings must be inside railings to avoid damage

Lower gangway into place using appropriate lifting equipment

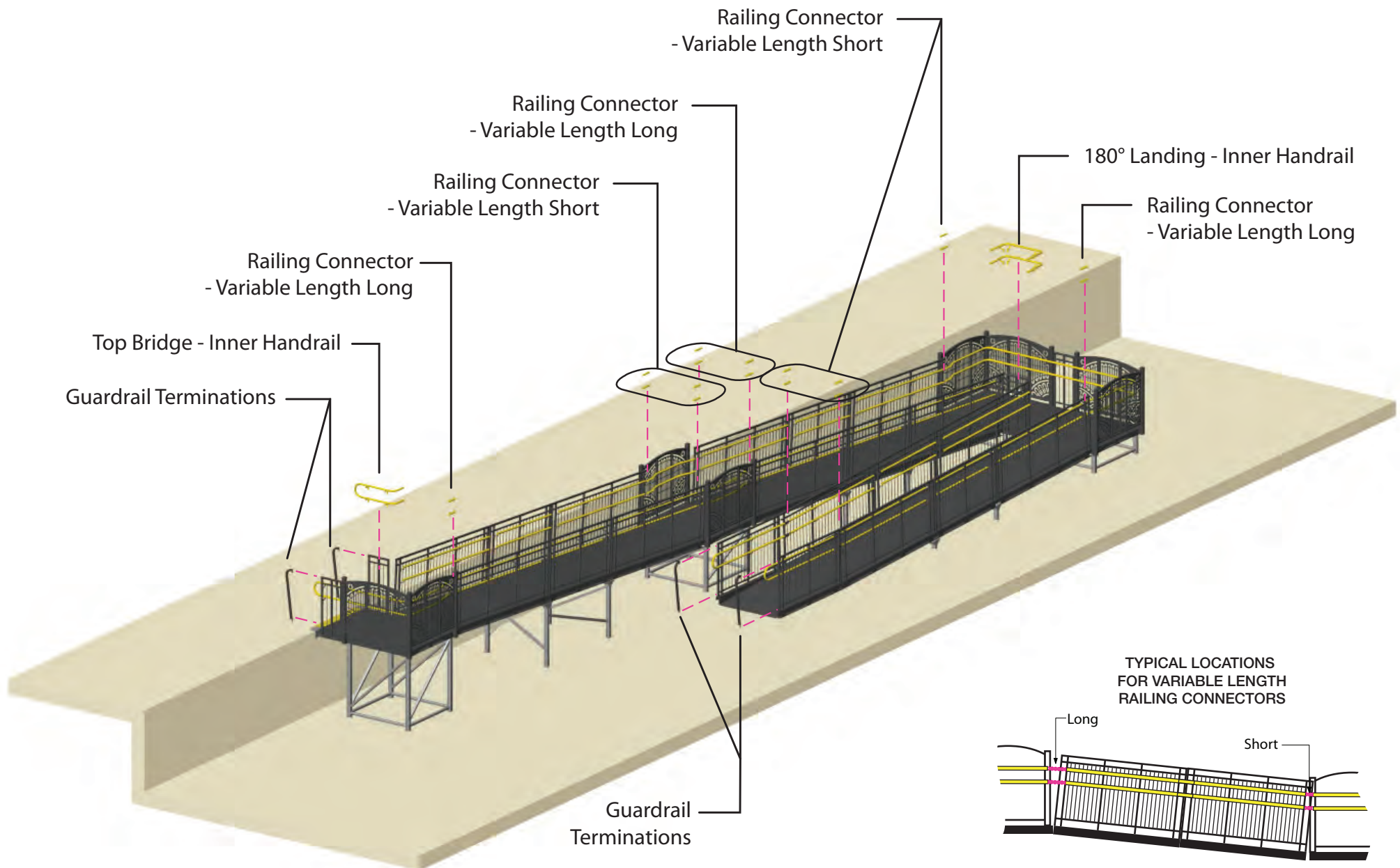


# Install Gangway Supports



TYPICAL POSITION OF MID-GANGWAY SUPPORT

# Install Railing Connectors and Terminations





## Install Transition Mats

