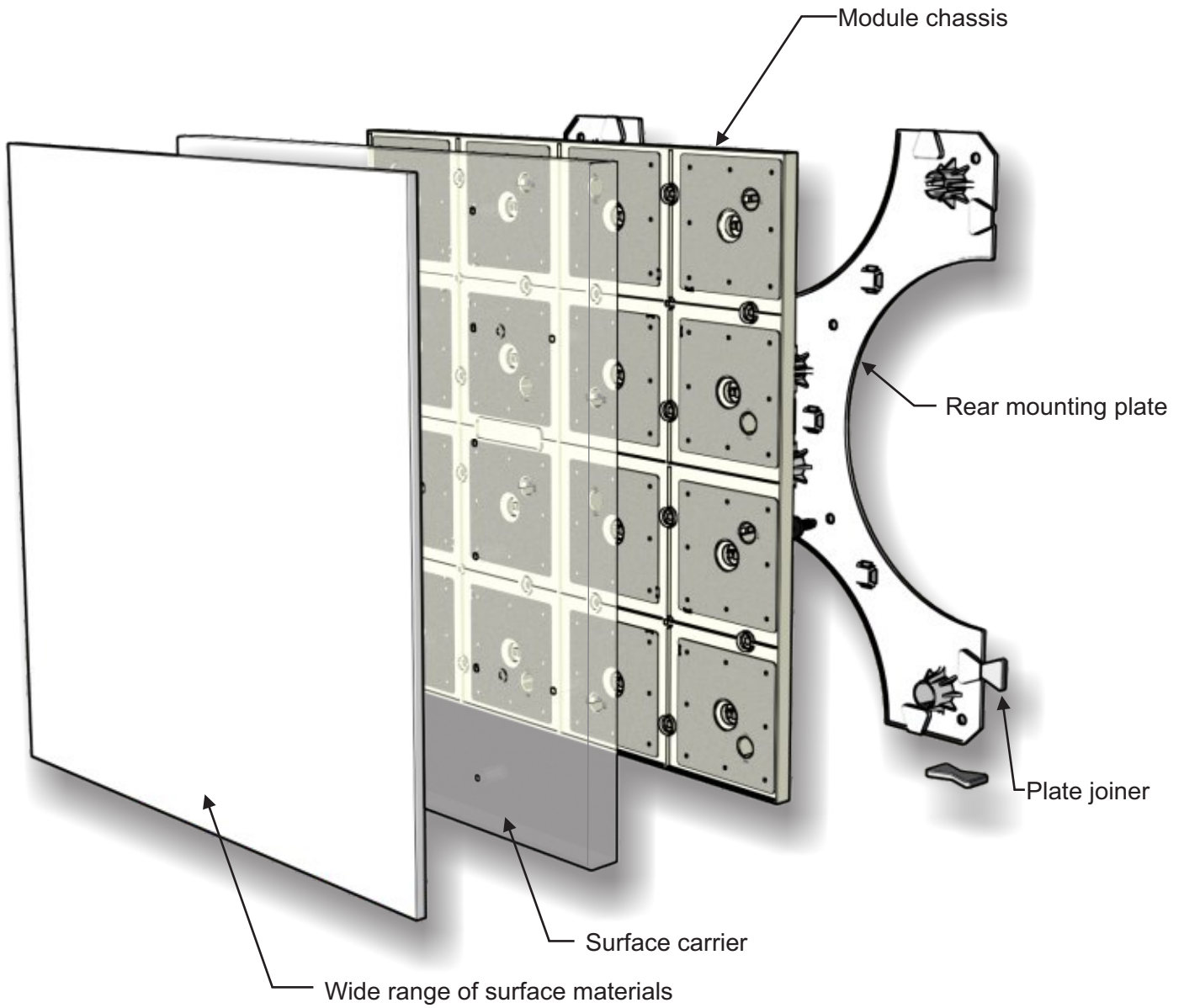
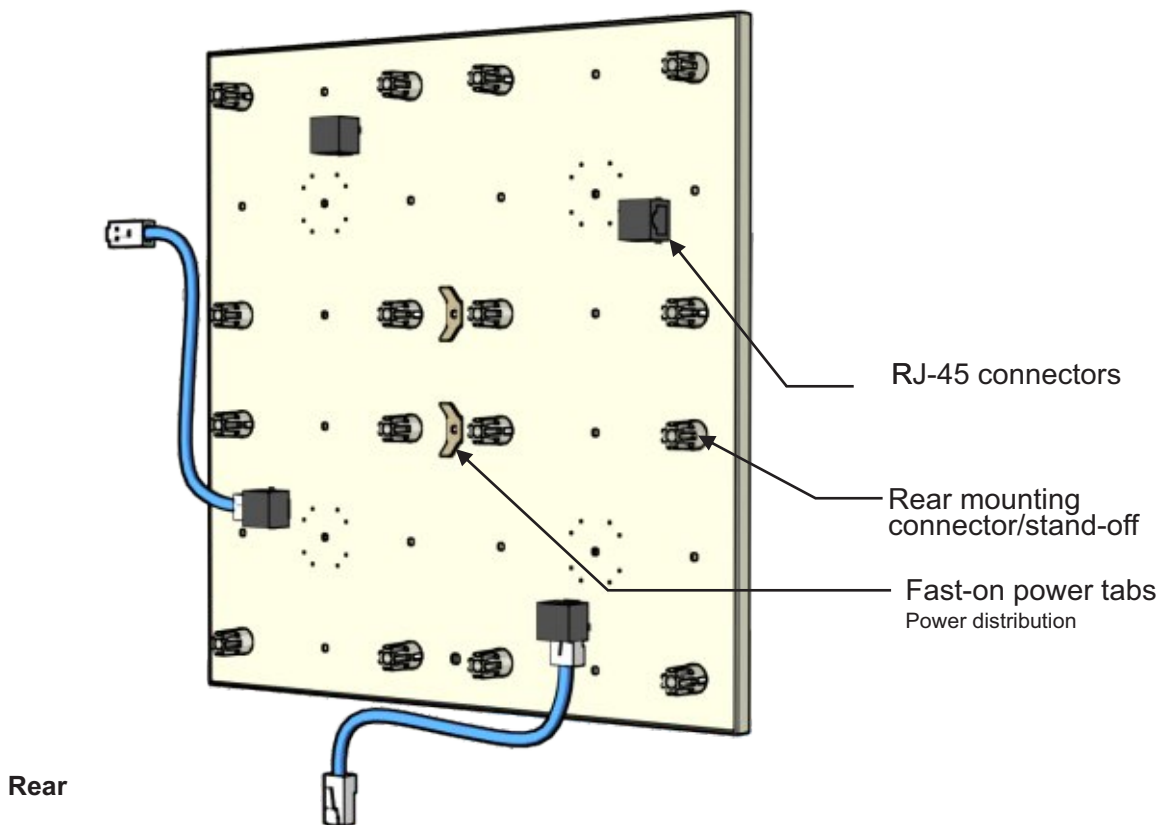
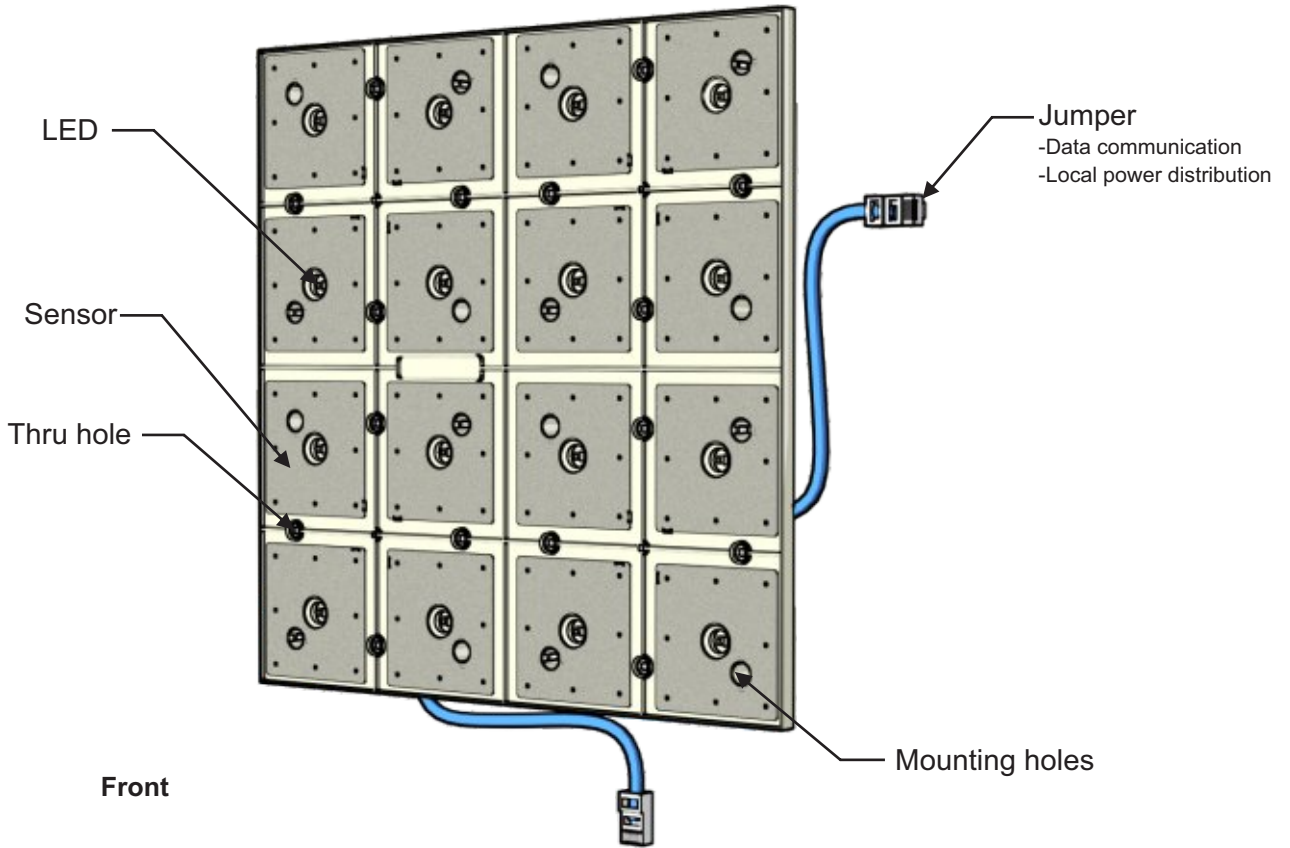


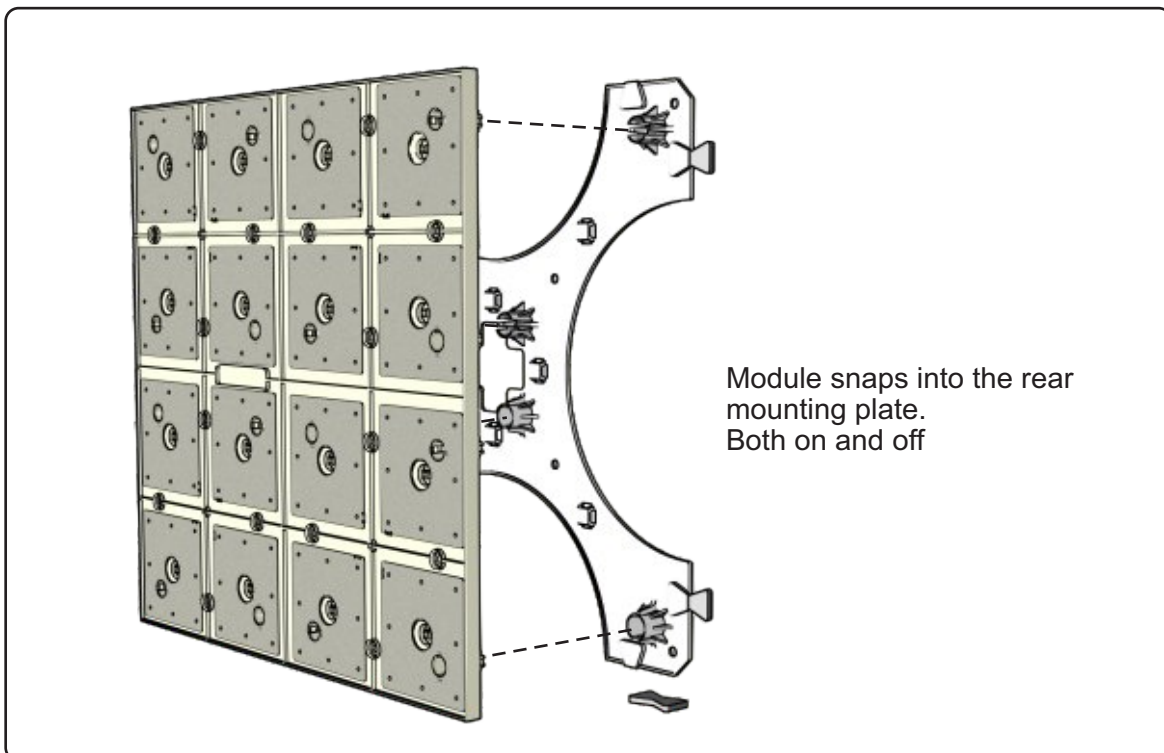
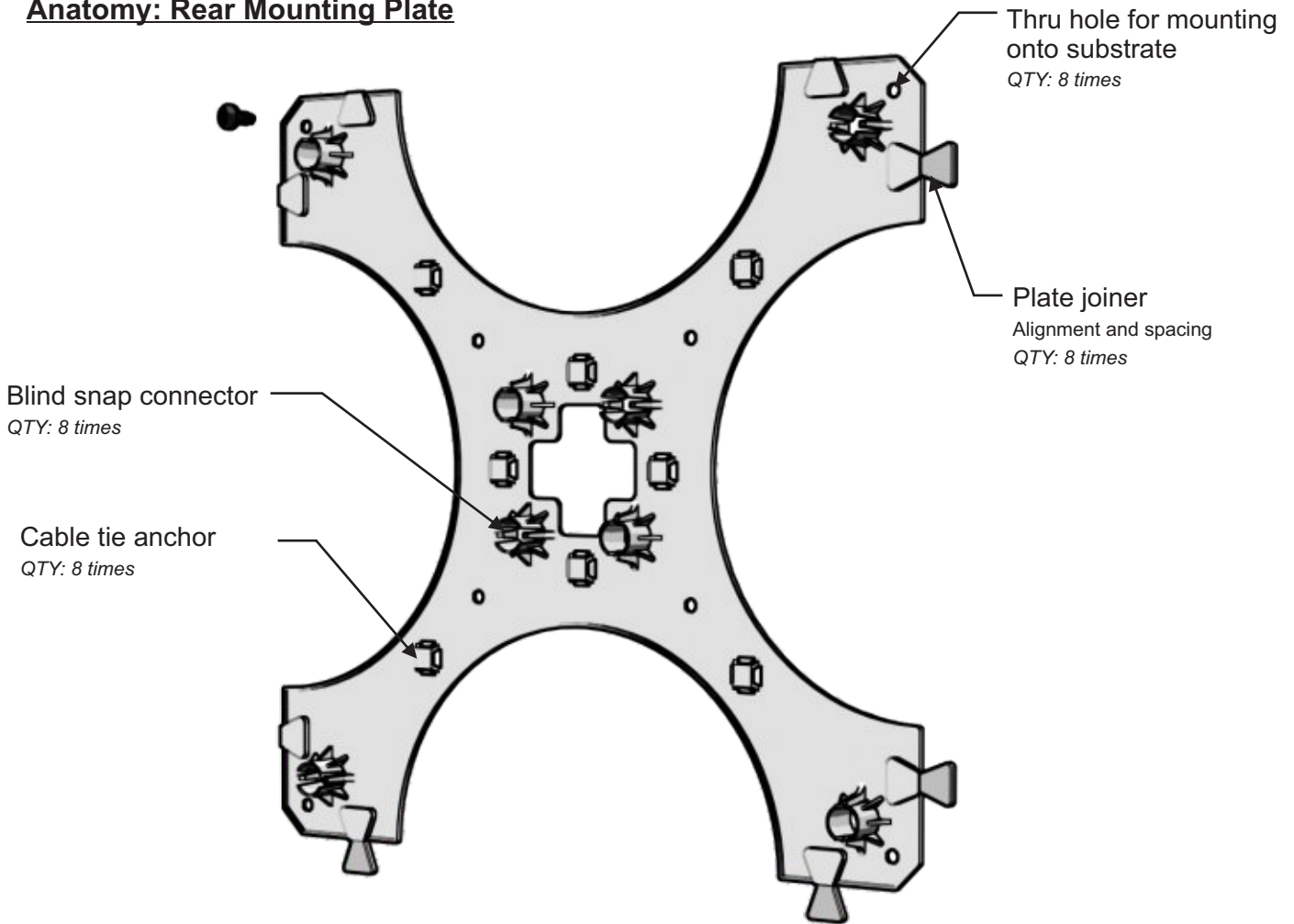
Complete Mounting System



Anatomy: Module chassis



Anatomy: Rear Mounting Plate



For use with the W3016-16-RGB module

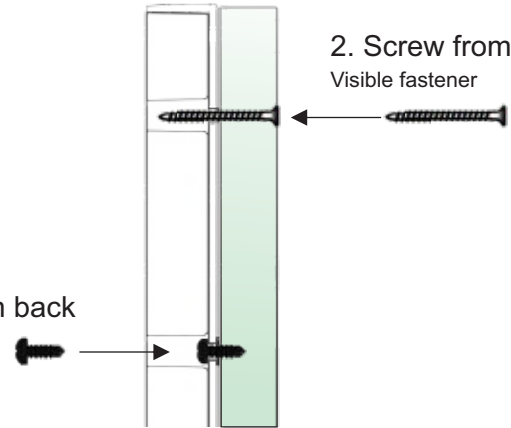
Anatomy: Surface Carrier*

**This is an optional accessory.*

Clear plastic material carrier.
Used to attach wide materials
such as Acrylic, Resin, Glass.....
Materials can be front and back screwed
Another options is using adhesives

1. Screw from back
Invisible fastener

2. Screw from front
Visible fastener

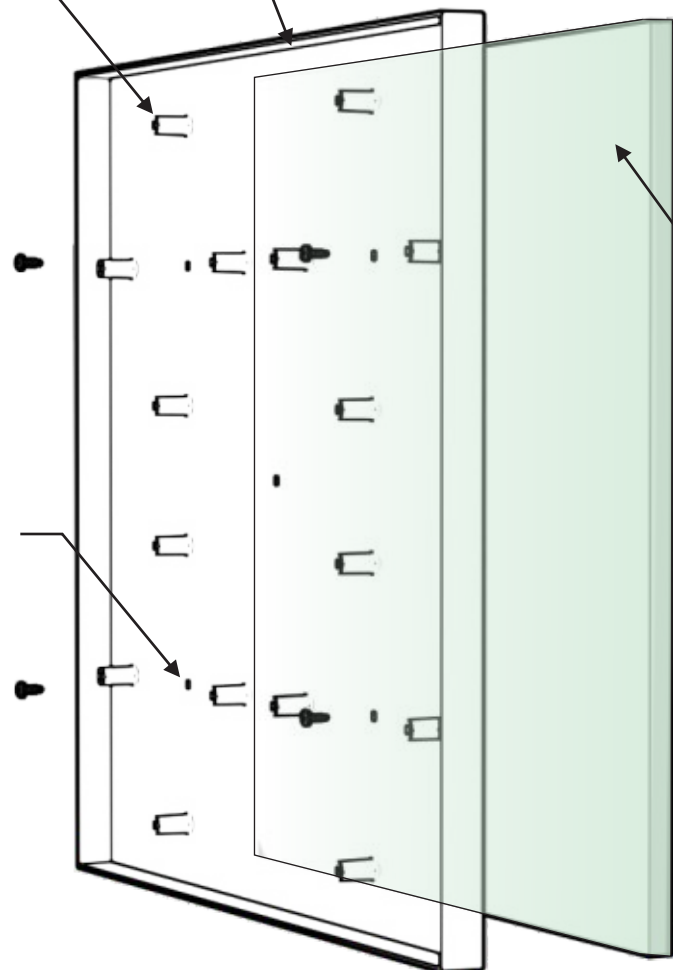


Clear plastic material carrier.

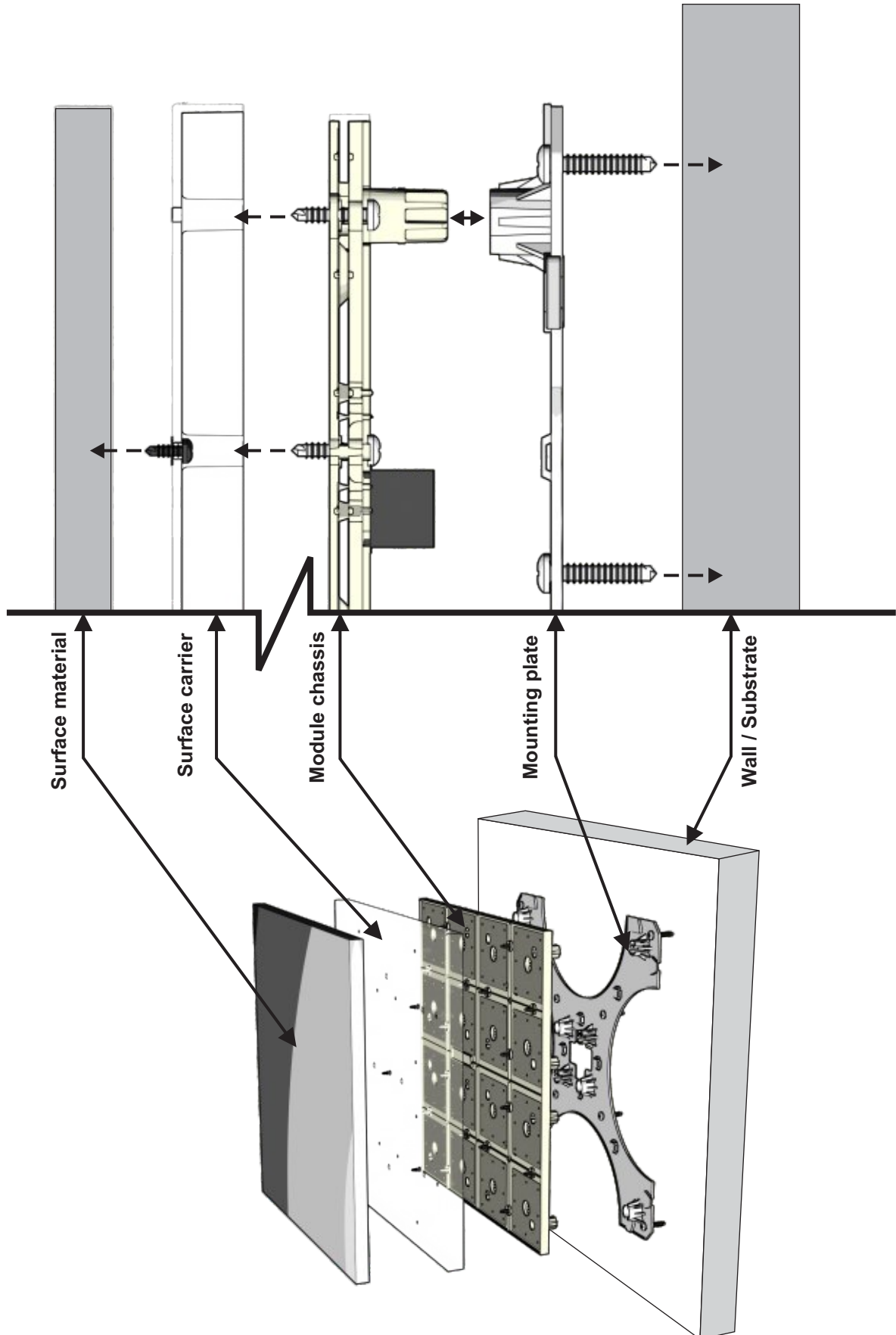
Hollow posts for attaching
to module and/or receive
front screw
QTY: 16 times

Thru holes
QTY: 5 times

Wide range of possible
surface materials



Mounting Features for Each Component



Typical Wall Installation #1

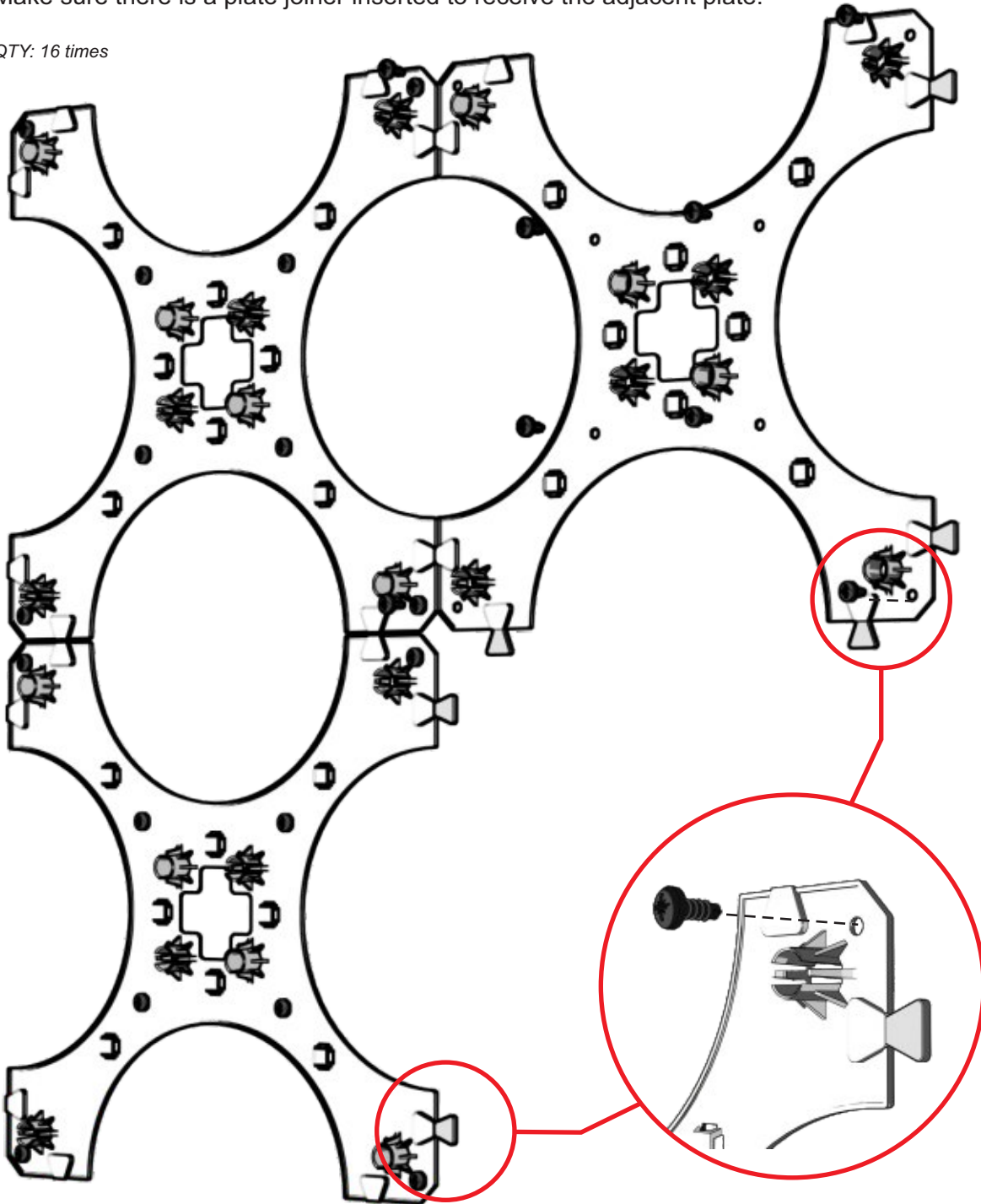
Step 1

Attache the rear mounting plates to the wall

There are 8 fastening holes per plate

Make sure there is a plate joiner inserted to receive the adjacent plate.

QTY: 16 times

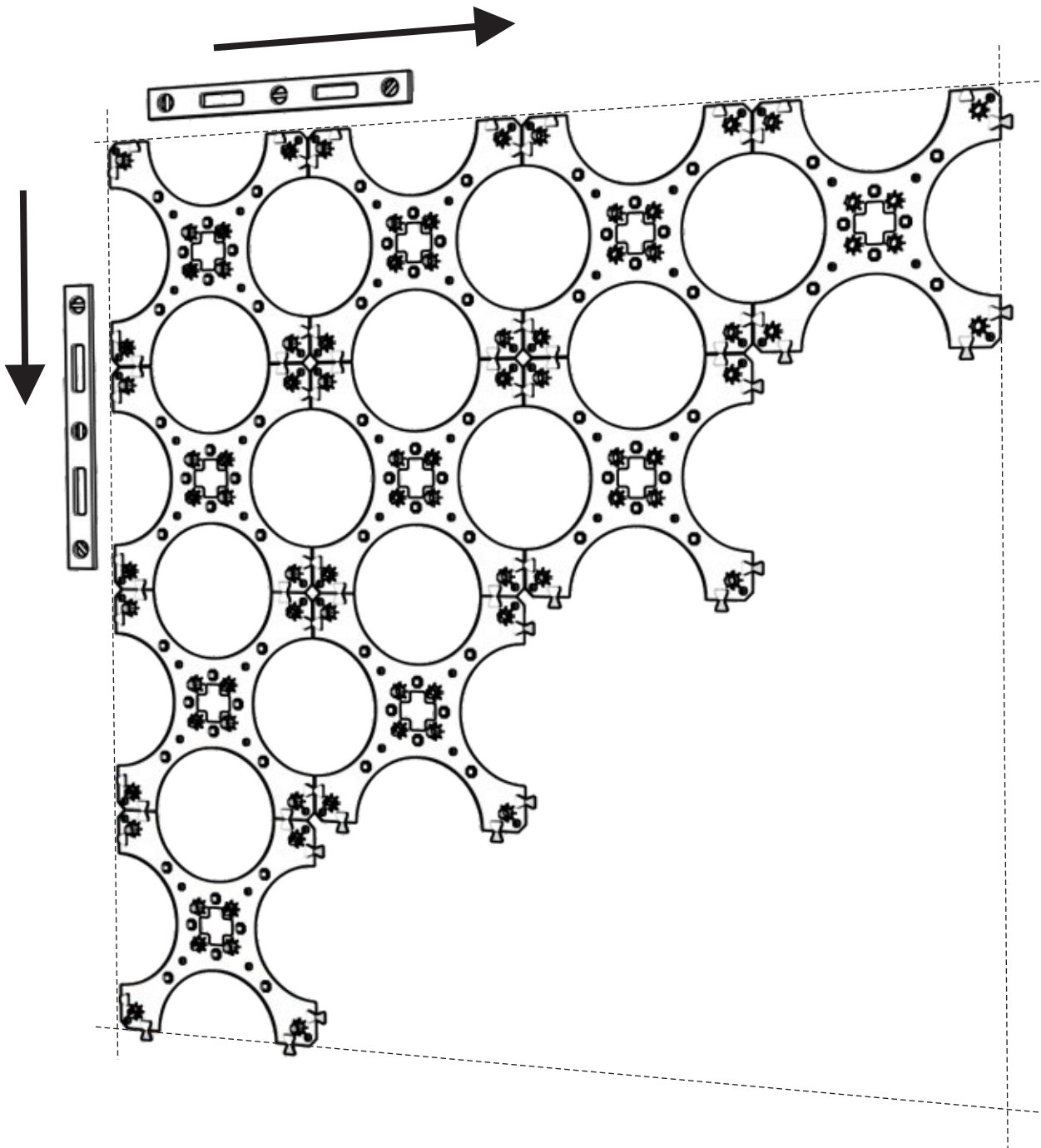


Typical Wall Installation #1

Step 2

Make sure the plates are attached square and level on the wall.

Lay out the design starting from upper left and move across to right and down.



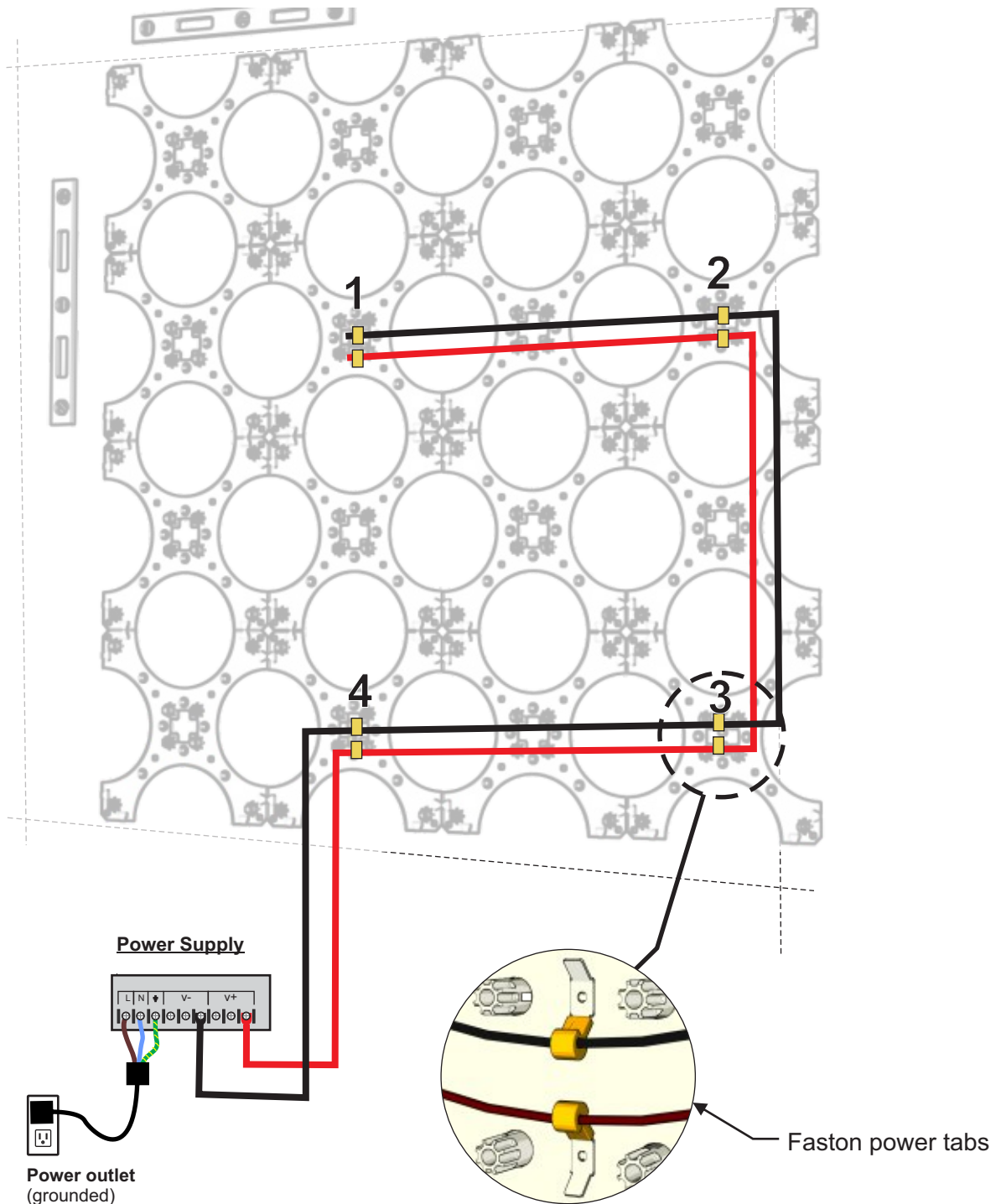
Typical Wall Installation #1 Power Distribution

Step 3

Attache the power wiring harness.

There needs to be at least one connection within every group of 9 modules.

See page 14 for further description



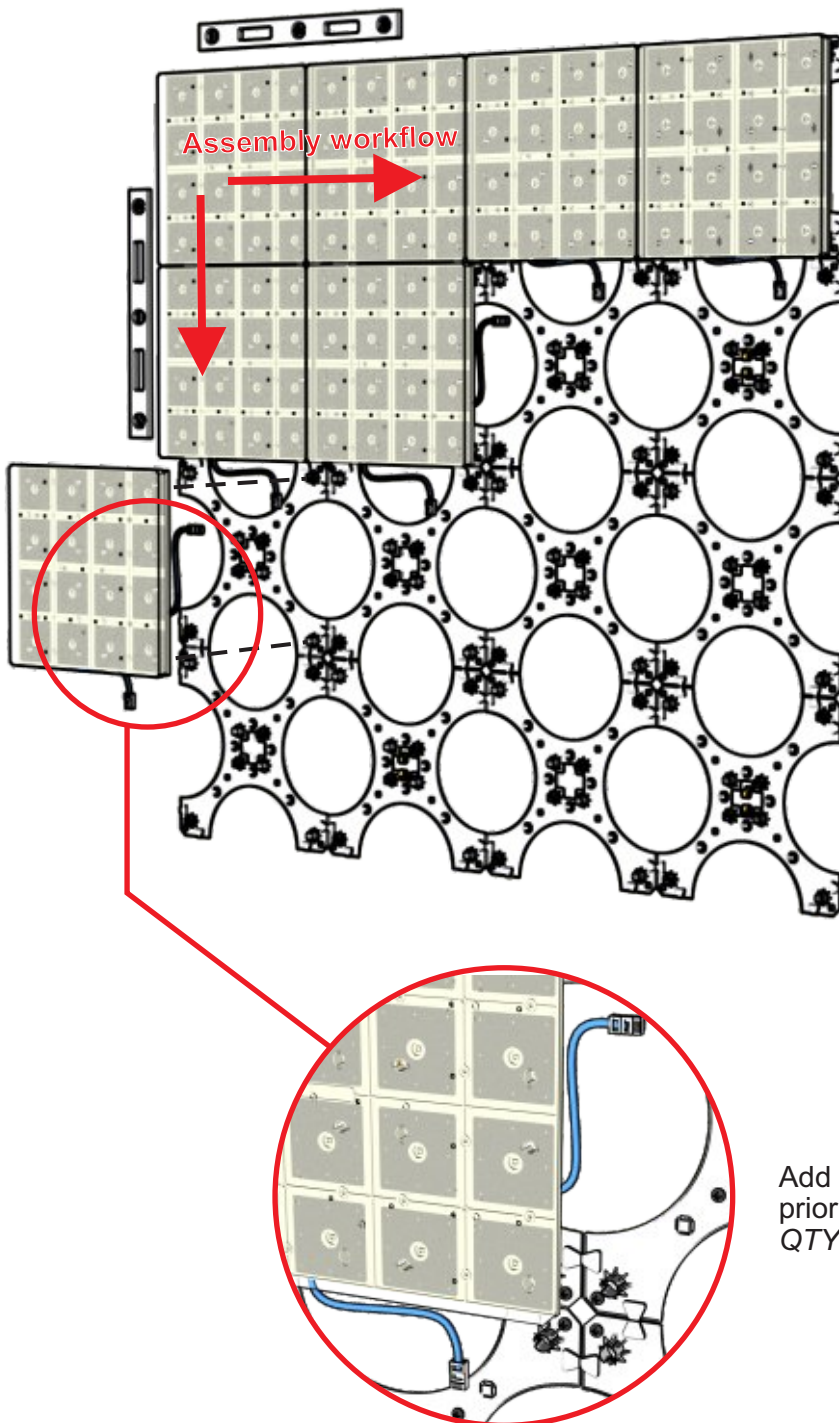
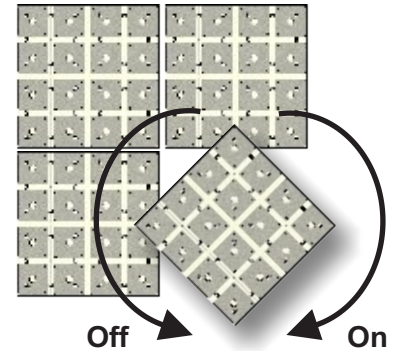
Typical Wall Installation #1

Step 4

With the jumpers and surface material on the modules start populating the wall.
In a 45 degree rotation motion snap the modules into the mounting plates.

Tip

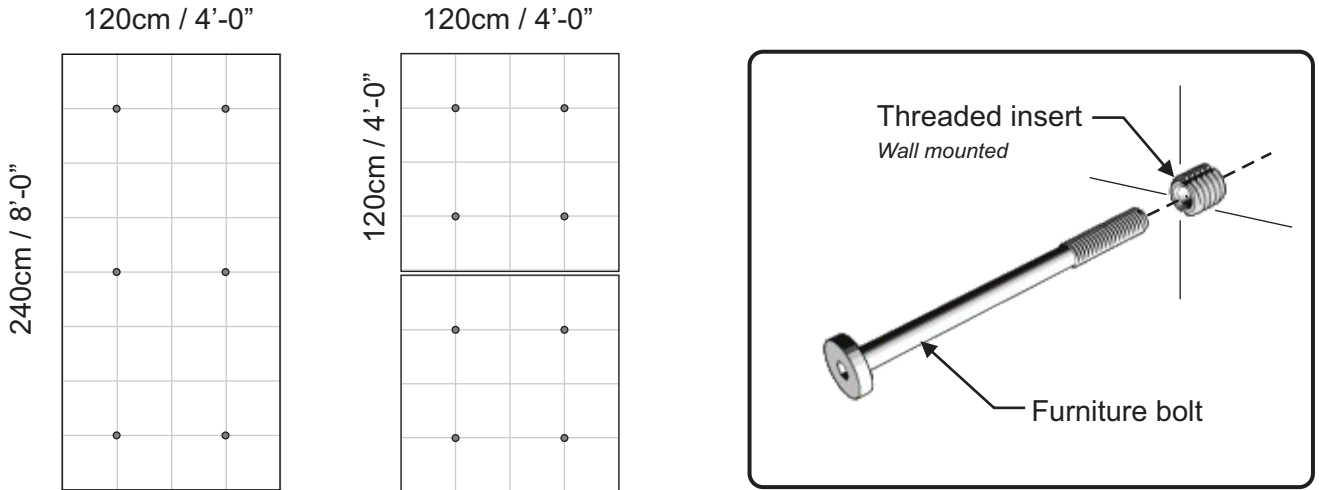
With the jumpers in place. Install the modules in a rotational manner. This way you have the most amount of jumper cable slack.



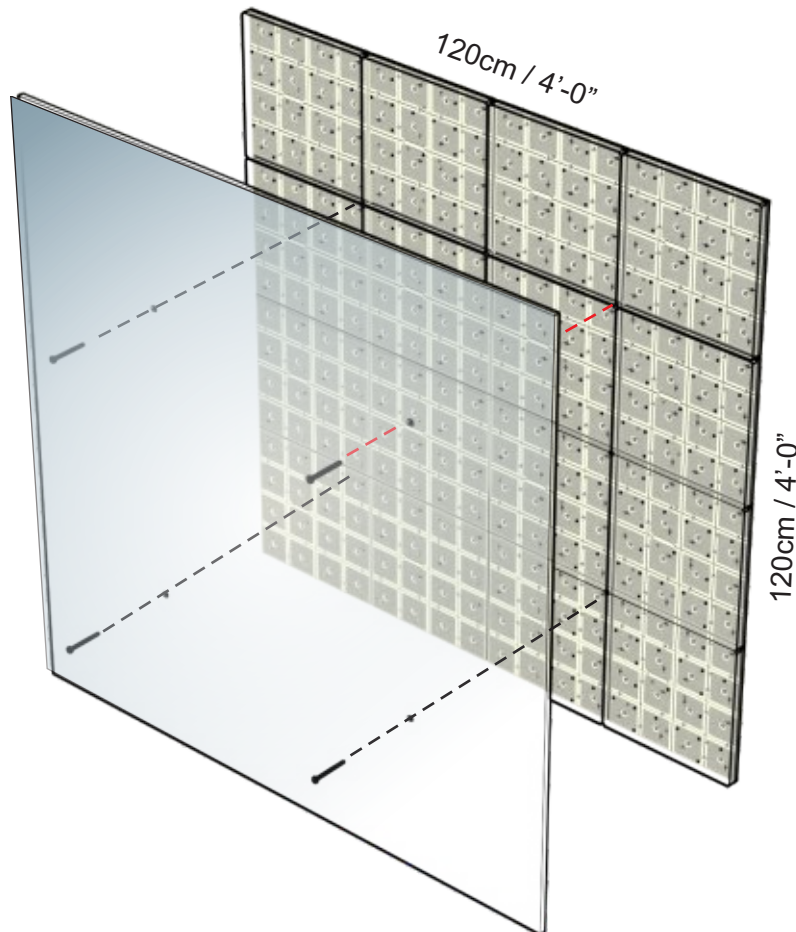
Add two jumpers to each module prior to attaching to rear mounting plate.
QTY: 2 times

Typical Wall Installation #2

For larger panels of surface material we recommend using material through holes with visible furniture bolts and threaded inserts

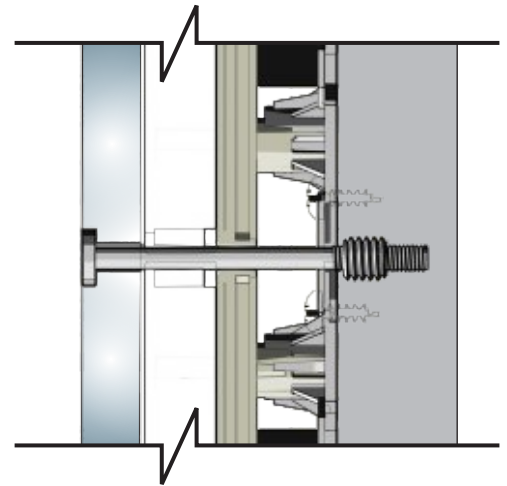
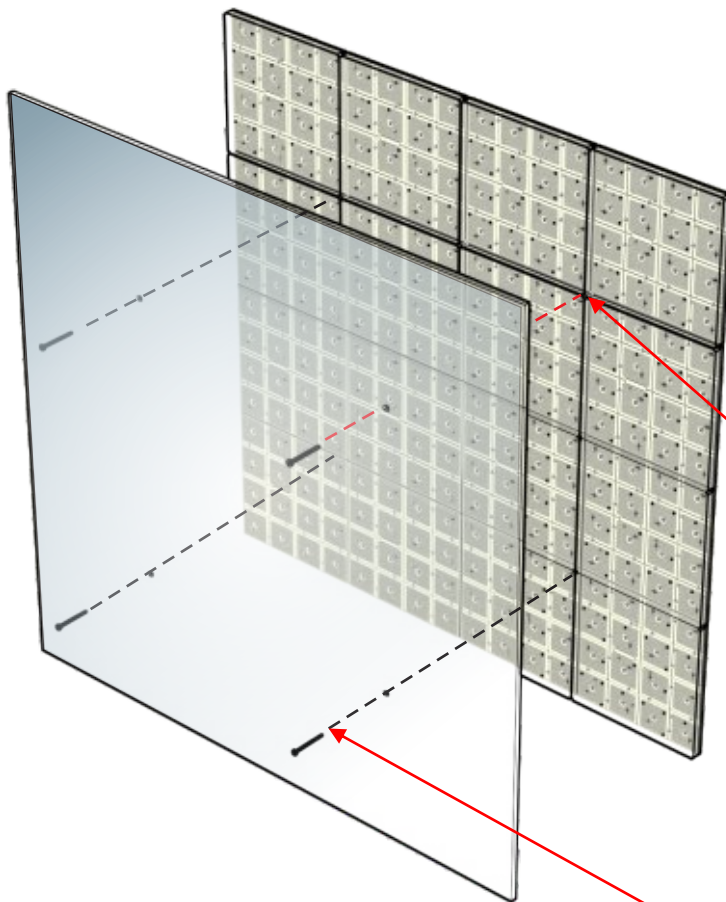


Typical large sheet bolt hole layout.



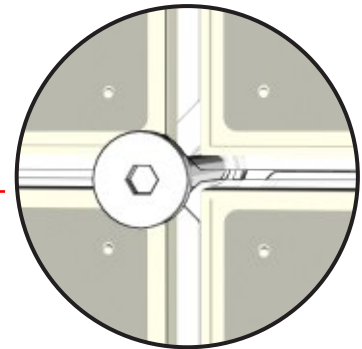
Typical Wall Installation #2

1. Install the rear mounting plates as usual.
2. Prepare the wall/substrate by inserting the threaded inserts at the plate junctions.
3. Mount modules as usual - *must be without the surface carrier.*
4. Attach the pre-drilled surface material by bolting through to the wall mounted threaded inserts.



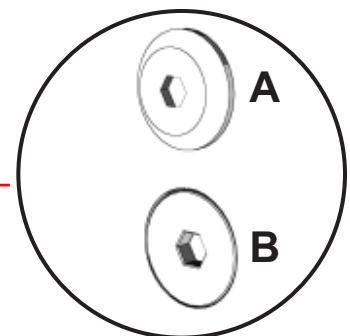
Section

The furniture bolt hold the surface material in place via the wall mounted threaded insert.



Detail

The furniture screws are inserted at the intersection of 4 modules



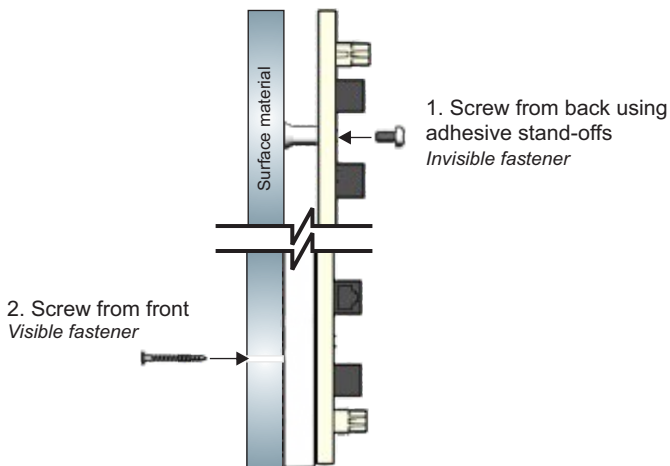
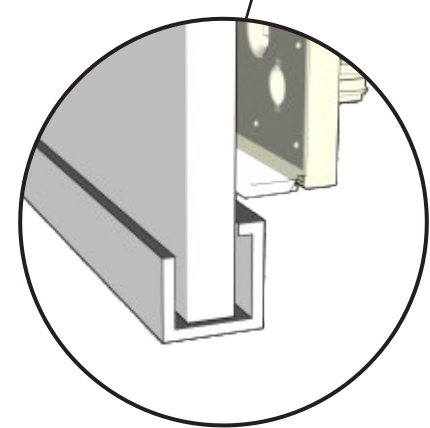
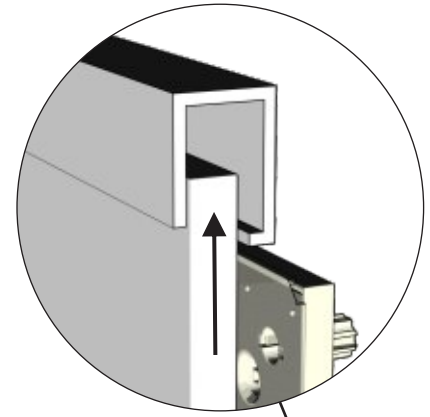
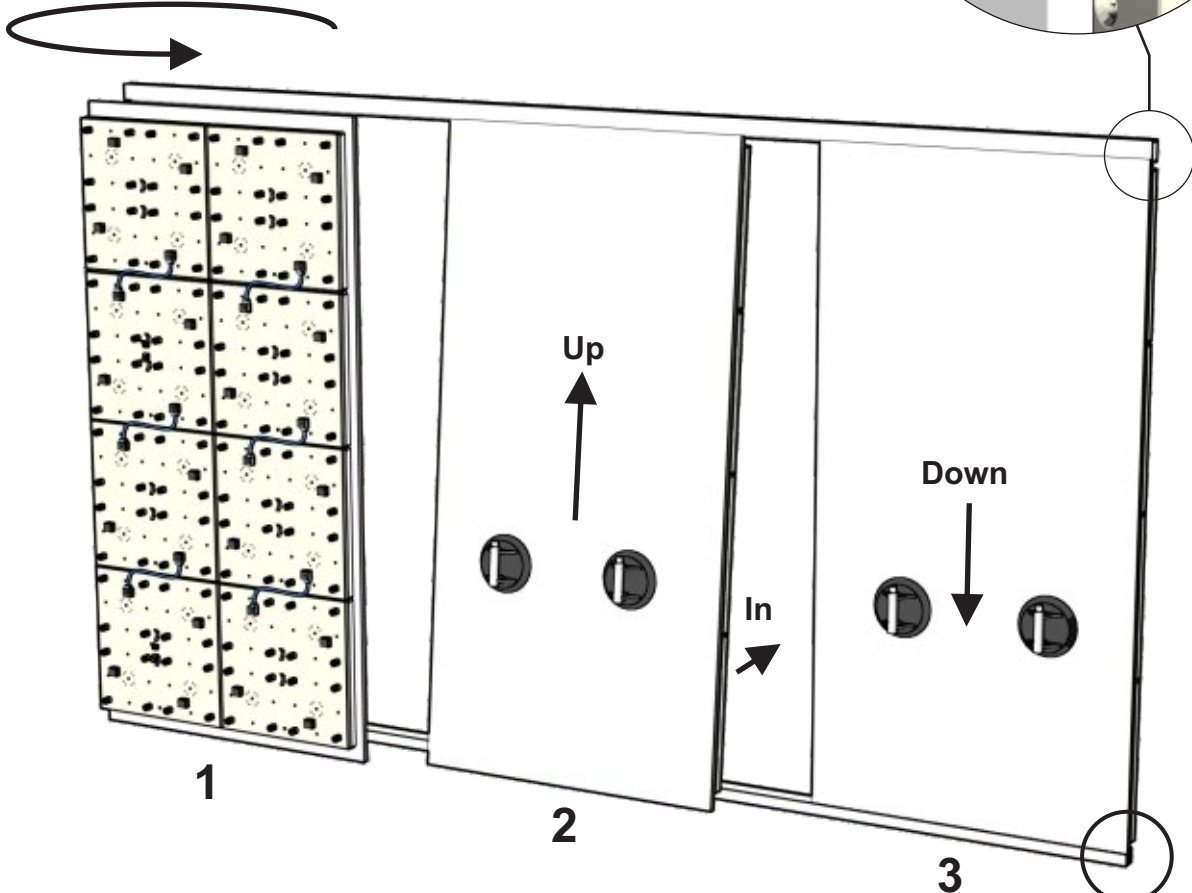
Detail

A - Surface option
B - Recessed option

Typical Wall Installation #3

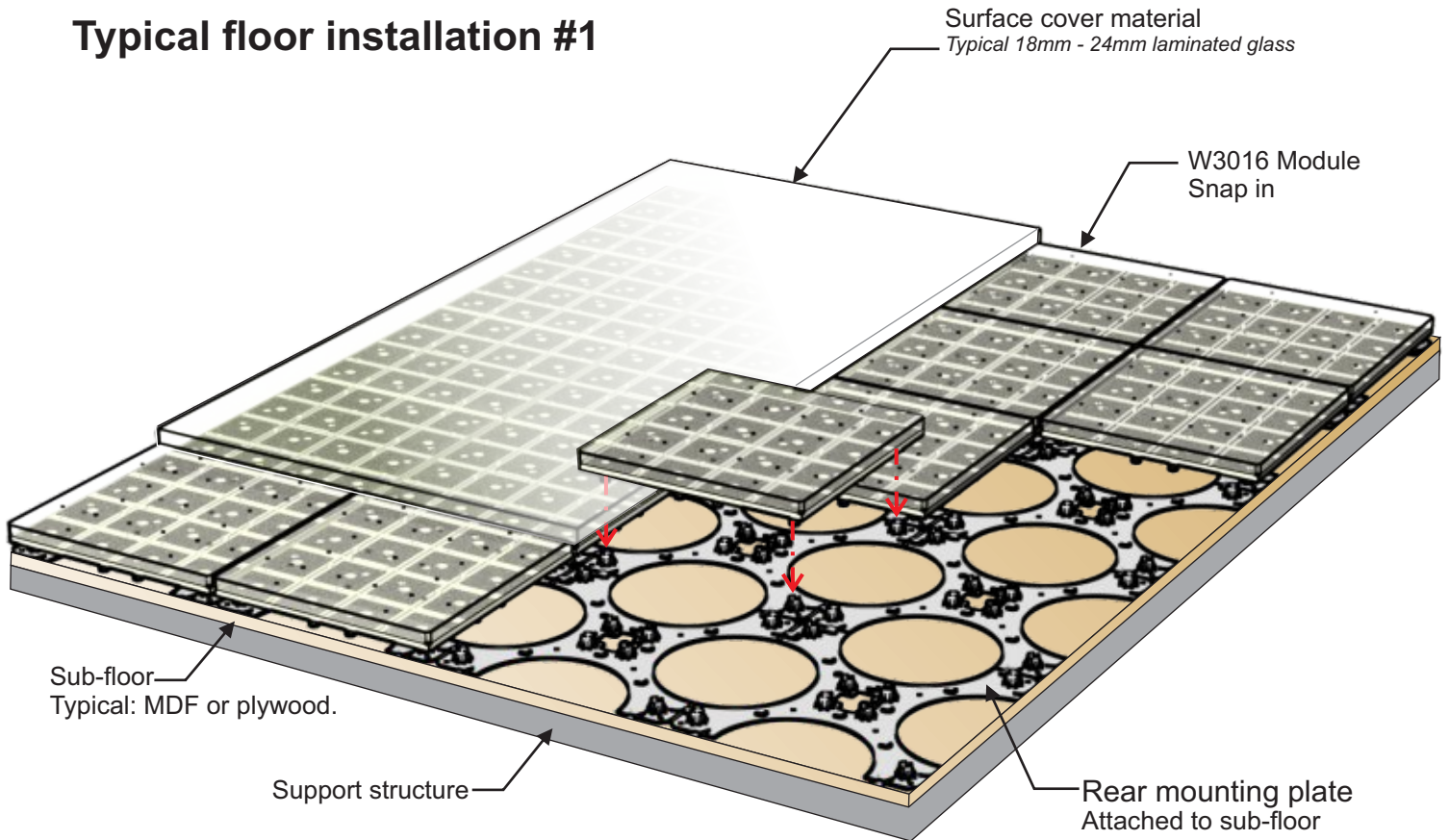
1. Pre-mount the modules to the surface material of choice.
2. Attache jumpers and power wiring harness.
3. Use typical aluminum channel/track to install the panels. These have a deeper cavity on the top than the bottom channel.
4. Use suction cups to manoeuvre the panel up then down into the bottom channel.

Rotate pre-mounted panel into position.



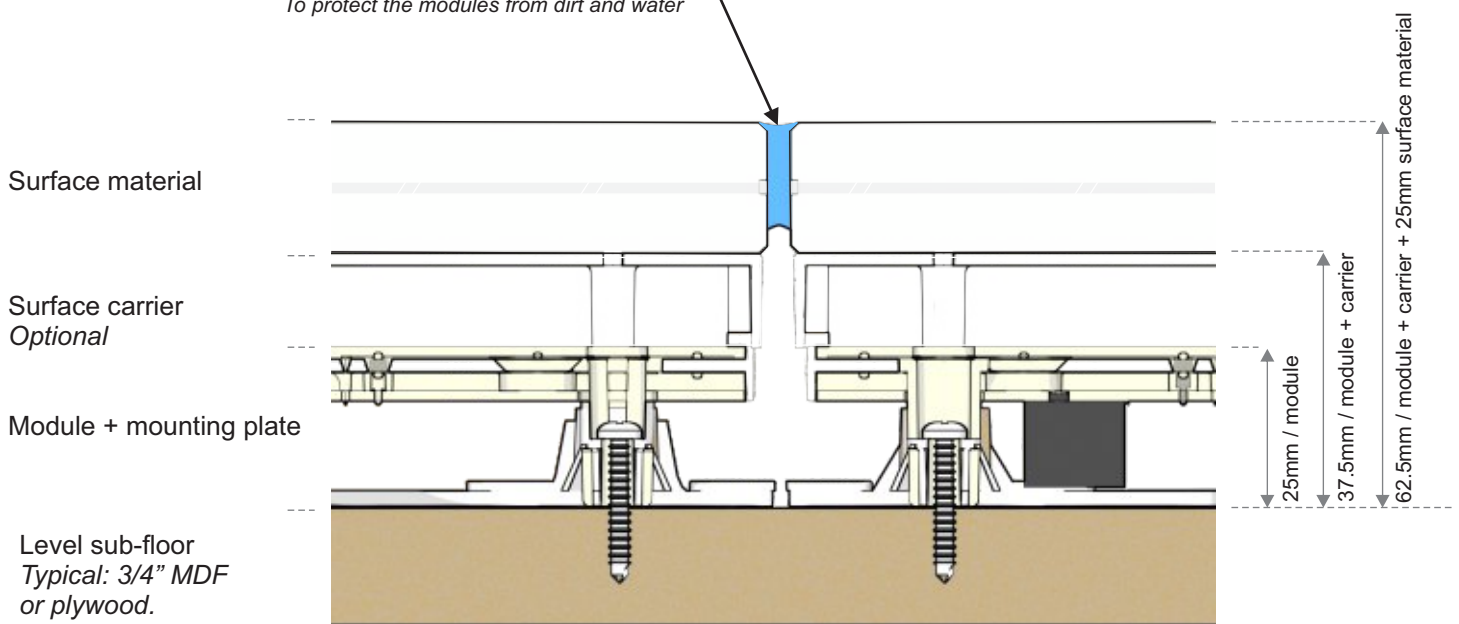
Typical attachments

Typical floor installation #1



The floor needs to be flat within 6mm (1/8") over 1200mm (48").
This is critical as this will determine the levelness of the surface material and the final floor

All joints need to be silicone
To protect the modules from dirt and water



Section

Power distribution guidelines

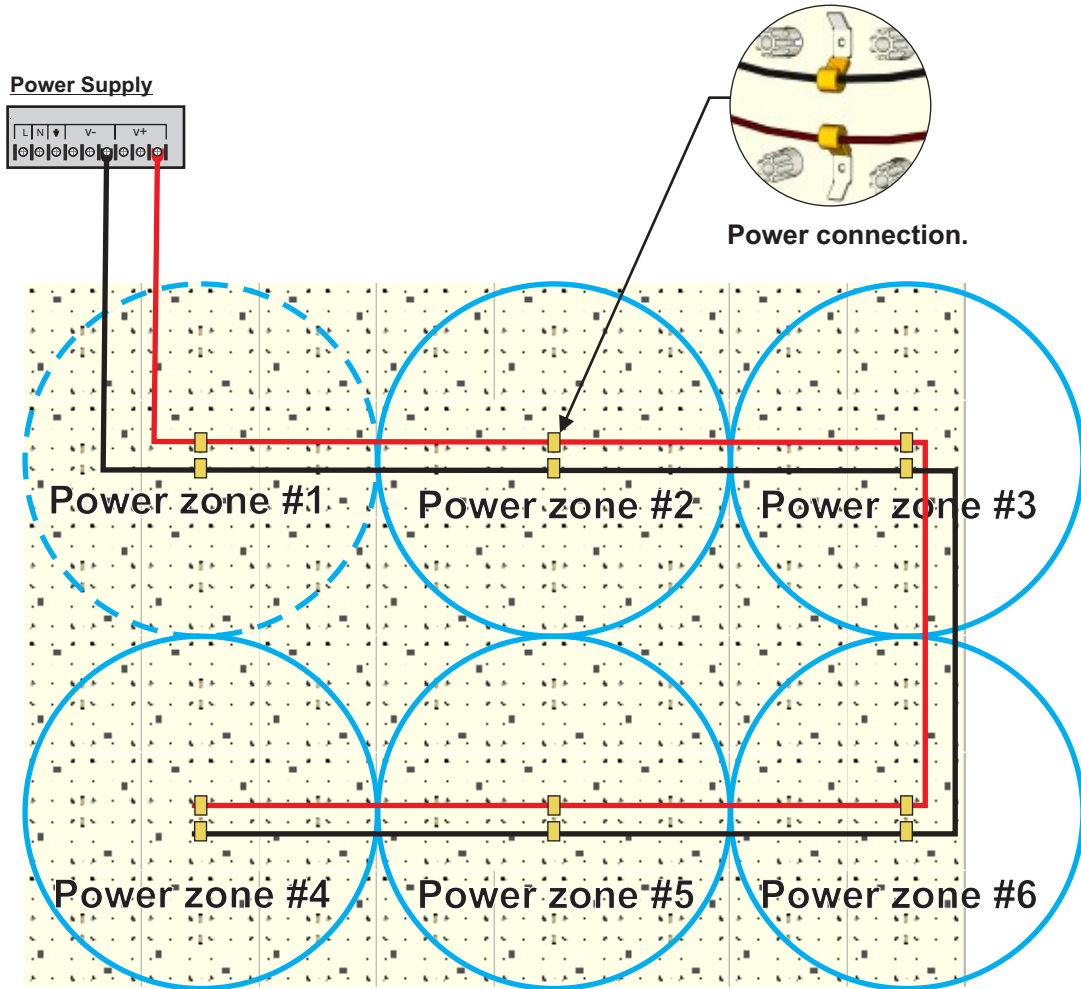
The W3016 power distribution is of an augmented design as each data jumpers also carry a small amount of current.

Think of each group of 9 modules as a zone.

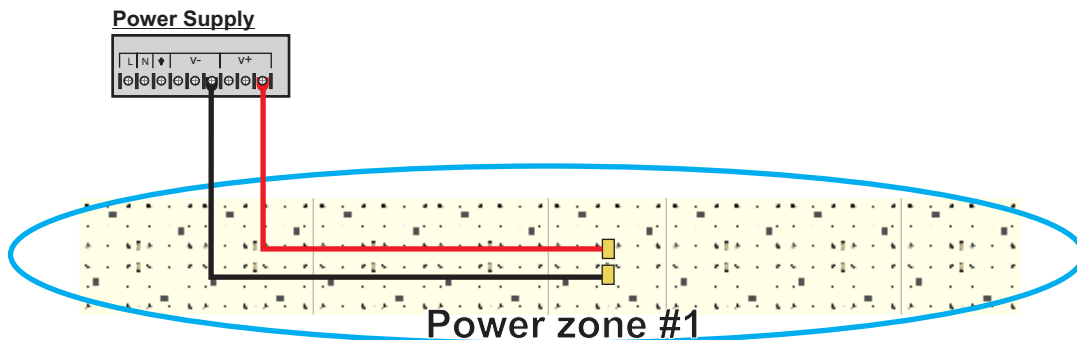
Each zone needs to have at least one power connection.

The rest of the modules in that zone will be powered via the jumpers.

Its always best to err on the safe side and have more rather than less power connections.



Example #1



Example #2