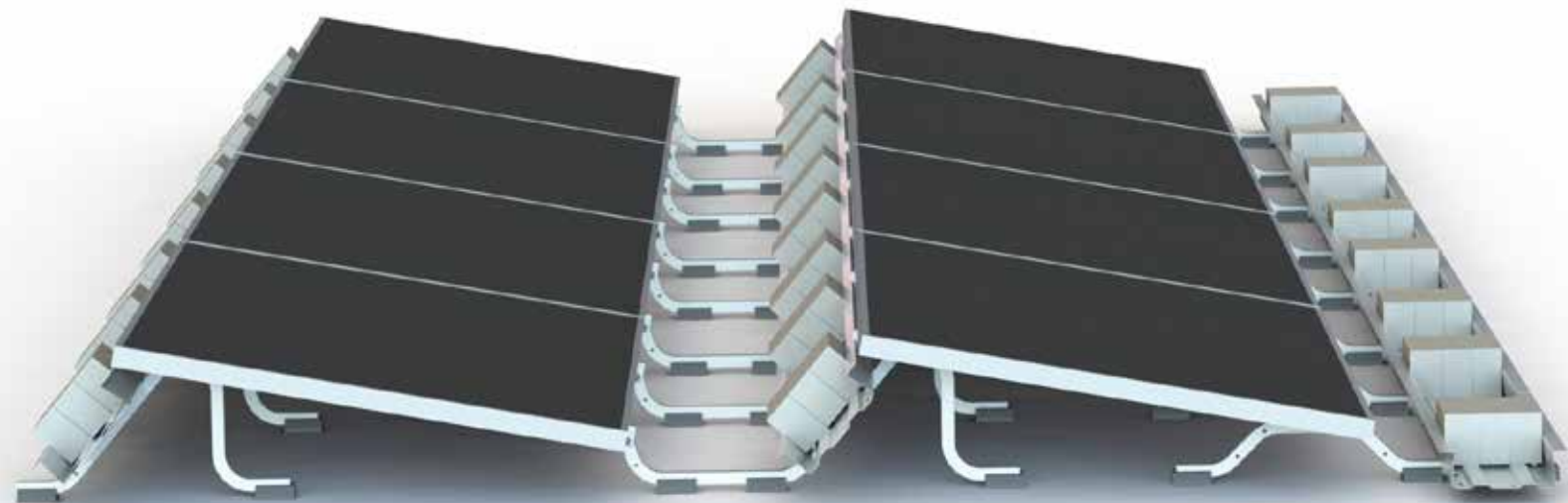




## PB III HD



R3 Bourton Industrial Park, Bourton on the Water, Glos, GL54 2HQ, UK

**Tel: +44 1451 824 312**

**Email: [info@sunfixings.co.uk](mailto:info@sunfixings.co.uk)**

**[WWW.SUNFIXINGS.CO.UK](http://WWW.SUNFIXINGS.CO.UK)**

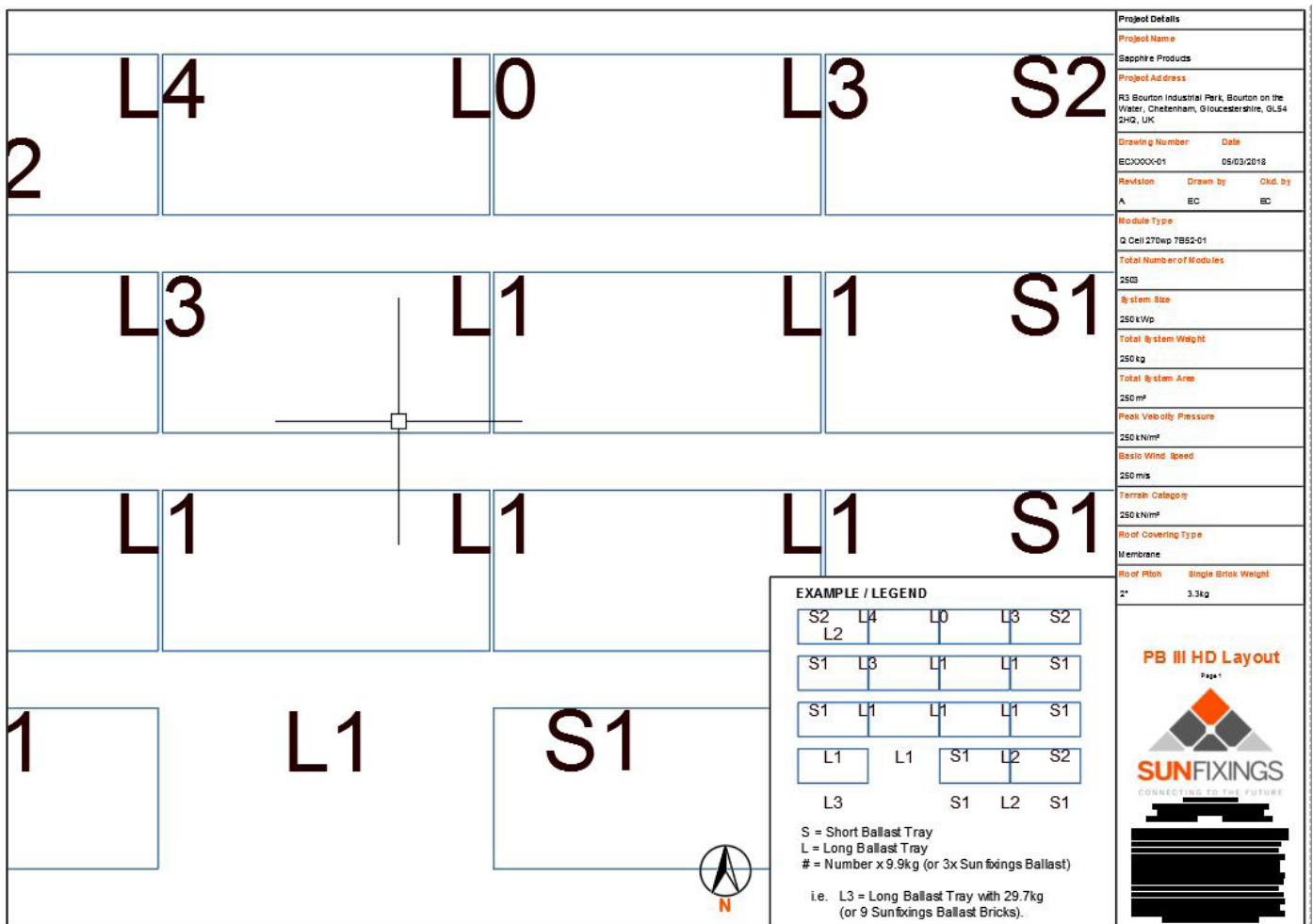
V032018

# 2

## Reading the layout

Use the layout to:

1. confirm the position of the modules
2. check the number of components needed for each array.



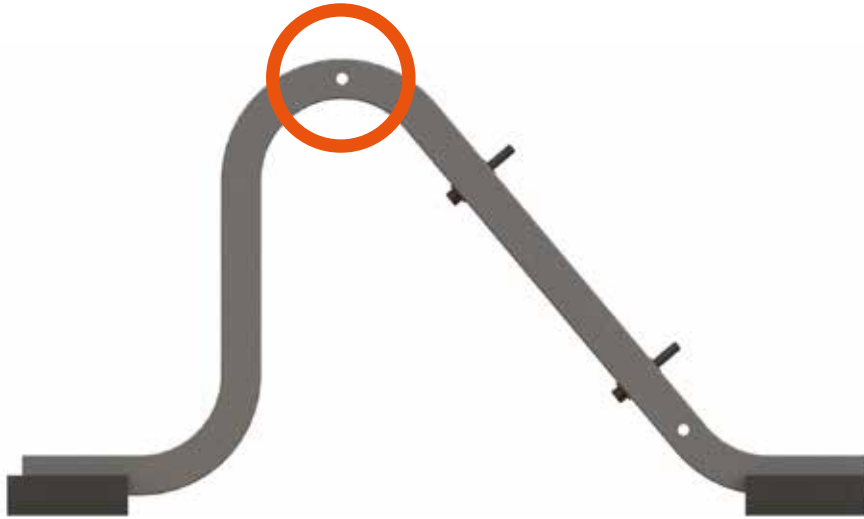
**PB III HD Layout**  
 Page 1

**SUNFIXINGS**  
 CONNECTING TO THE FUTURE

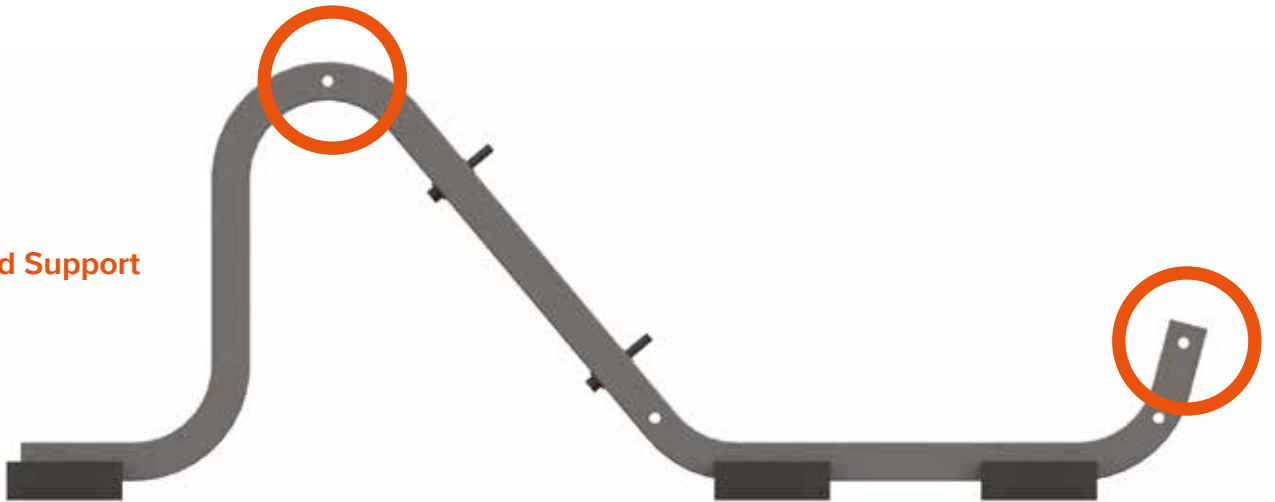
# 3

Use the following fixing holes

North Support



Standard Support



South Support

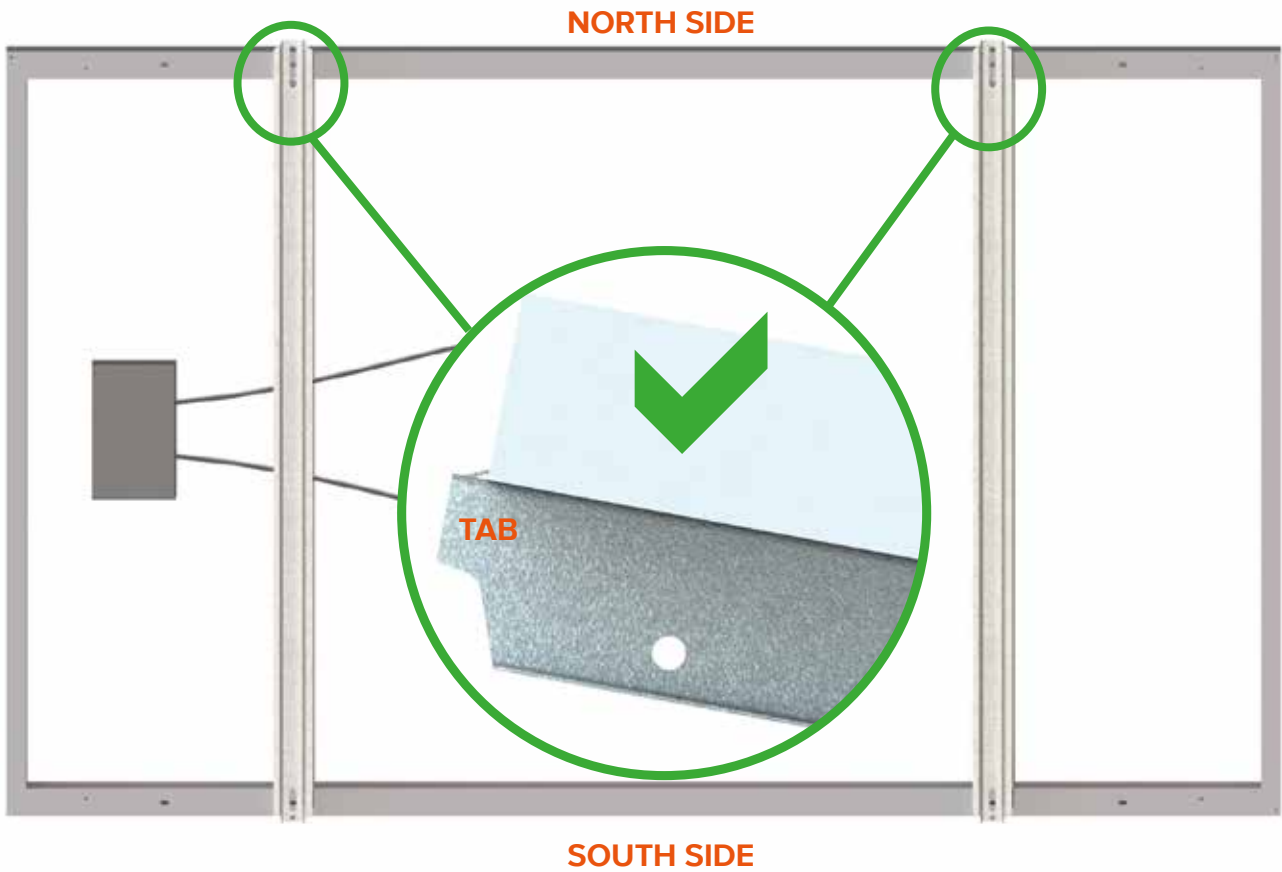


Claw

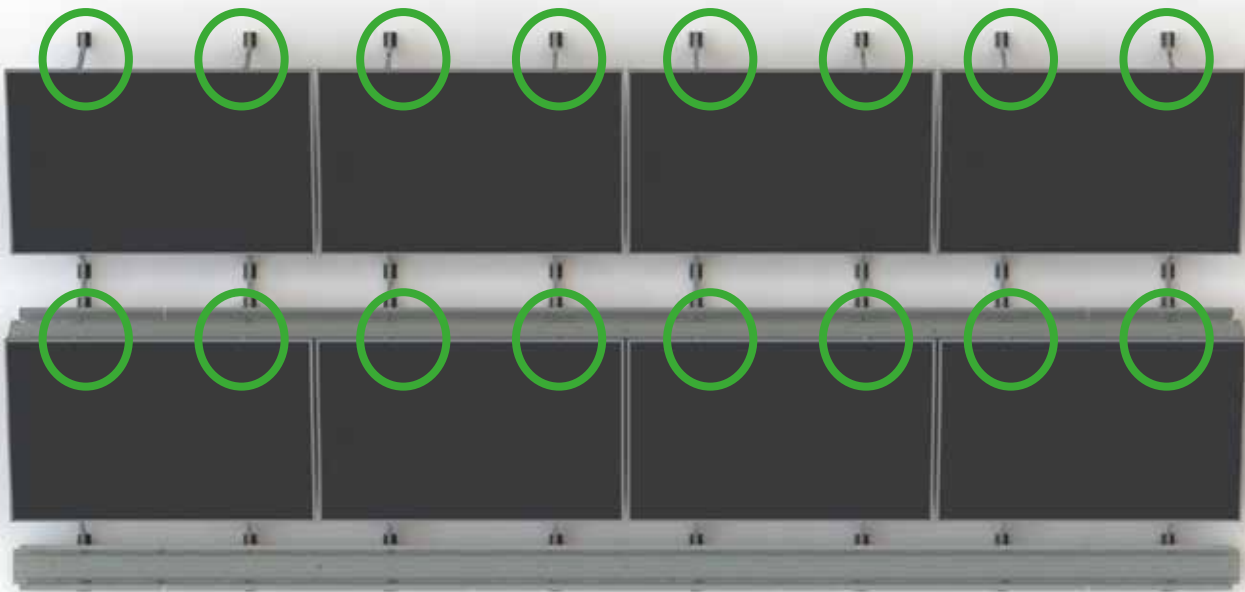


# 4

## Position the Claws on the solar panels



Ensure the TAB is located on the north side of the solar panel.

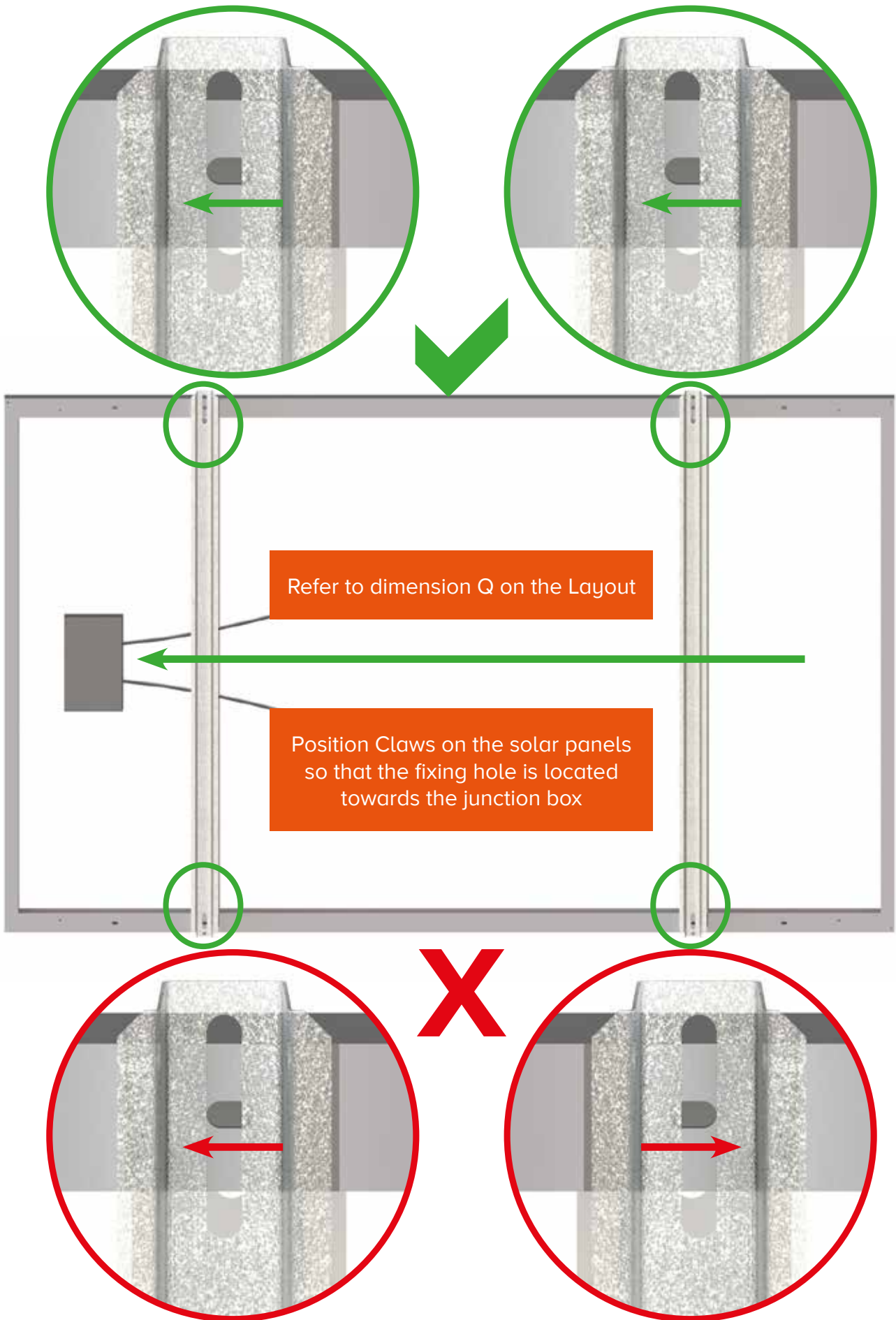


SOUTH



# 5

## Position the Claws on the solar panels



# 6

## Attach the Claws to the solar panels

### Tools & Items Required



3/8" (Bolts)



7/16" (11mm)  
(Nuts)



Claw



Short Bolt



Serrated Nut



16Nm



# 7

## Set out the Supports

### Tools & Items Required



Layout



Tape Measure



String Line



South Support

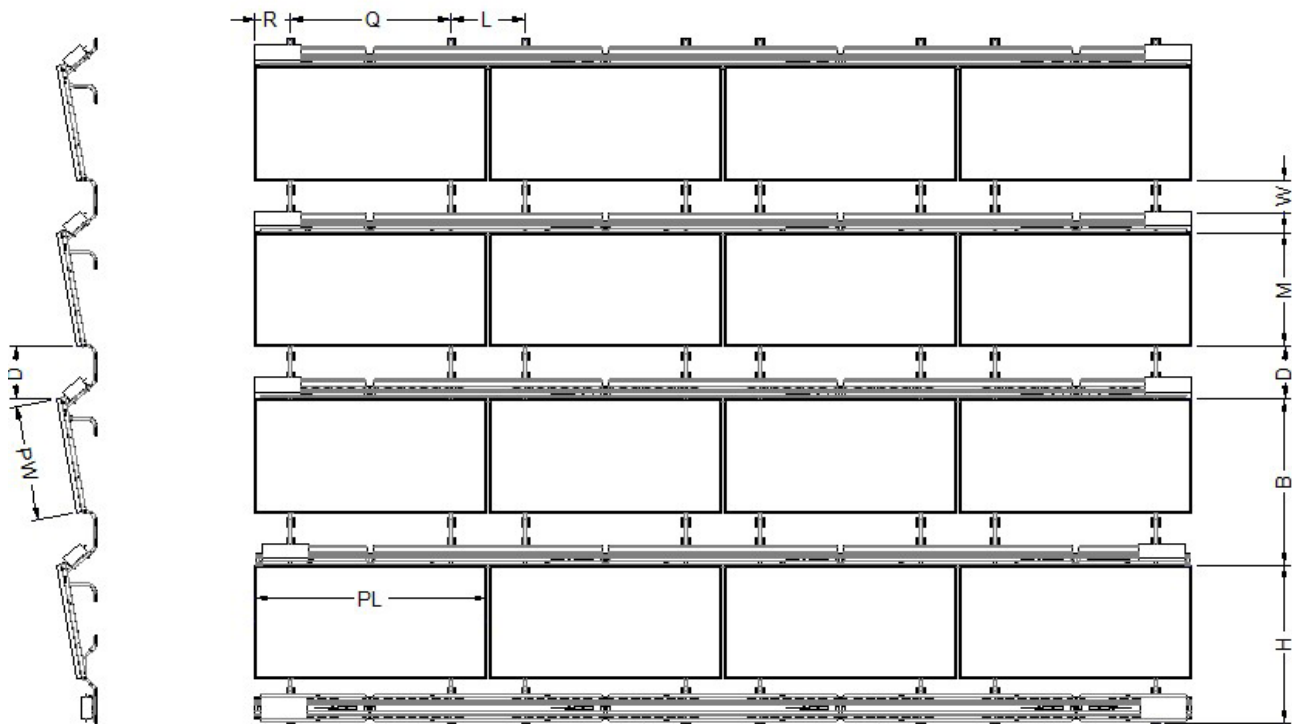


Standard Support



North Support

Refer to the Layout and use dimensions R, Q, L, H, B, D, M & W to set out the supports.



North Support

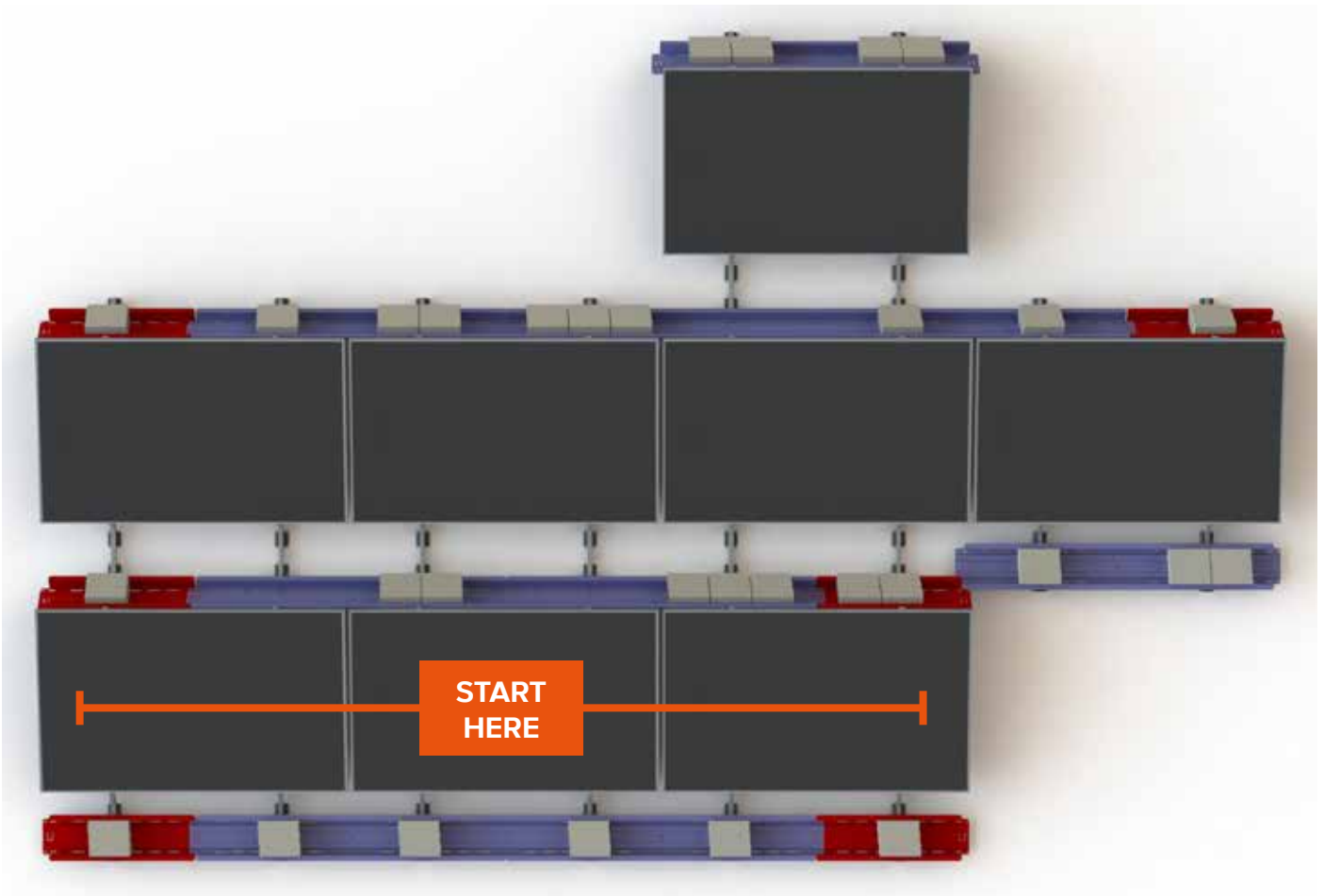


Standard Support



South Support







# 9

## Fixing the Claws to the South Supports

### Tools & Items Required



3/8" & 7/16"



7/16" (11mm)



South Support



Claw



Long Bolt



Serrated Nut

Refer to page 3 of this document to confirm the correct fixing holes.



For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



# 10

## Fixing the Claws to the Standard Supports

### Tools & Items Required



3/8" & 7/16"



7/16" (11mm)



Standard Support



Claw



Long Bolt



Serrated Nut

Refer to page 3 of this document to confirm the correct fixing holes.

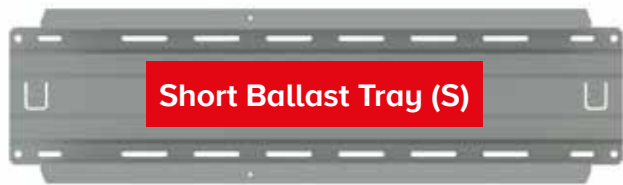


For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.

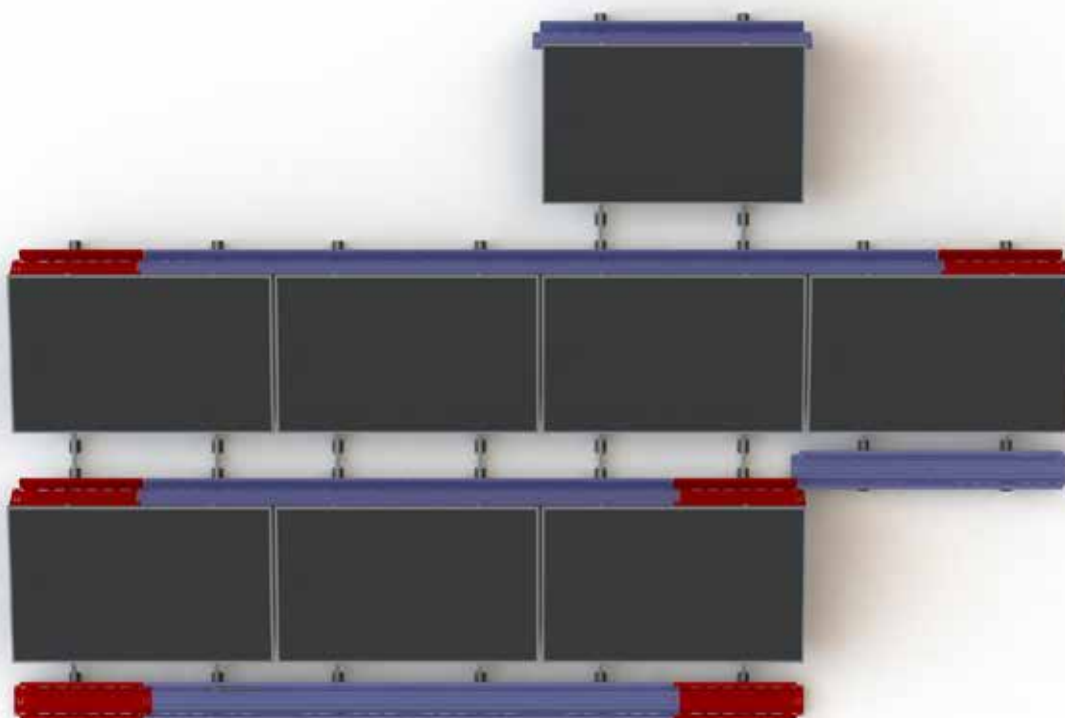
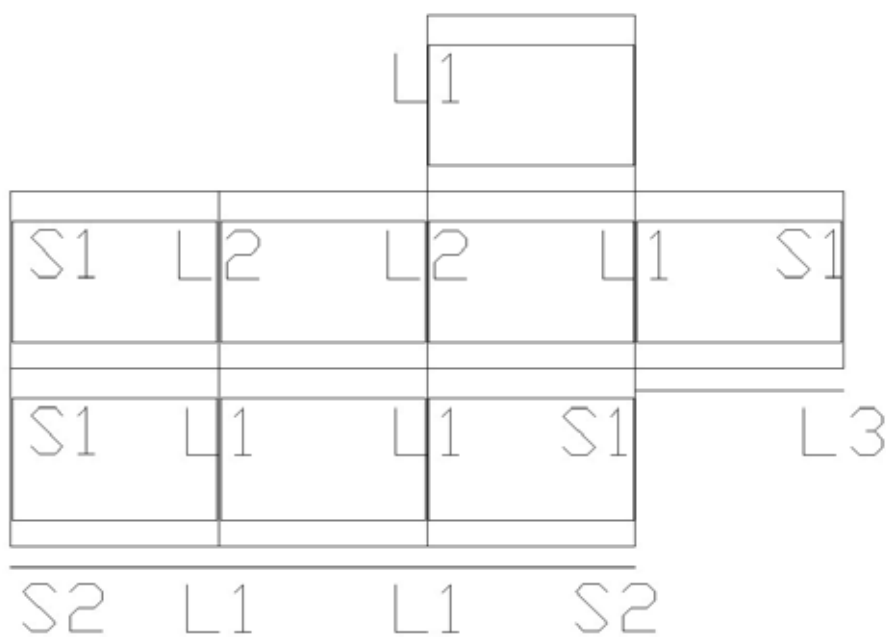


# 11

## Identifying the Ballast Trays



Refer to the Layout as to where the Short and Long Ballast Trays need to be positioned on the South row



### Tools & Items Required



Layout



3/8"



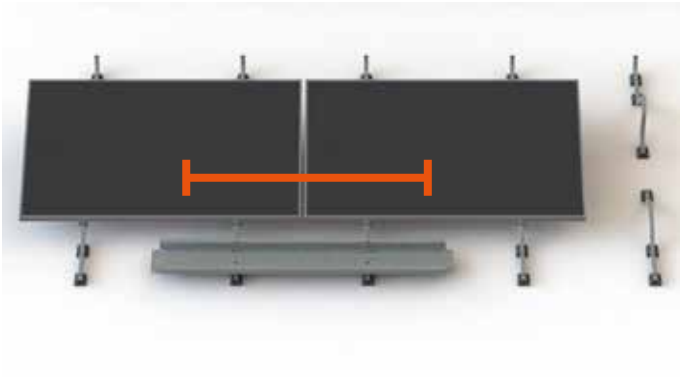
South Support



Long Ballast Tray



Short Bolt



The Long Ballast Tray needs to cross 2 modules.

Repeat this step for all other Long Ballast Trays on the South Supports.

For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



# 13

## Fixing the Short Ballast Trays on the South Supports

### Tools & Items Required



Layout



3/8"



South Support



Short Ballast Tray



Short Bolt



The Short Ballast Tray needs to cross the last support of southern row.

Repeat this for the other side of the row.




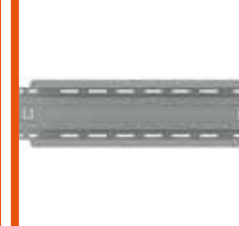

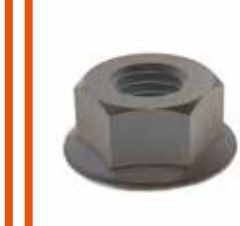
For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



# 14

## Fixing Short & Long Ballast Trays together

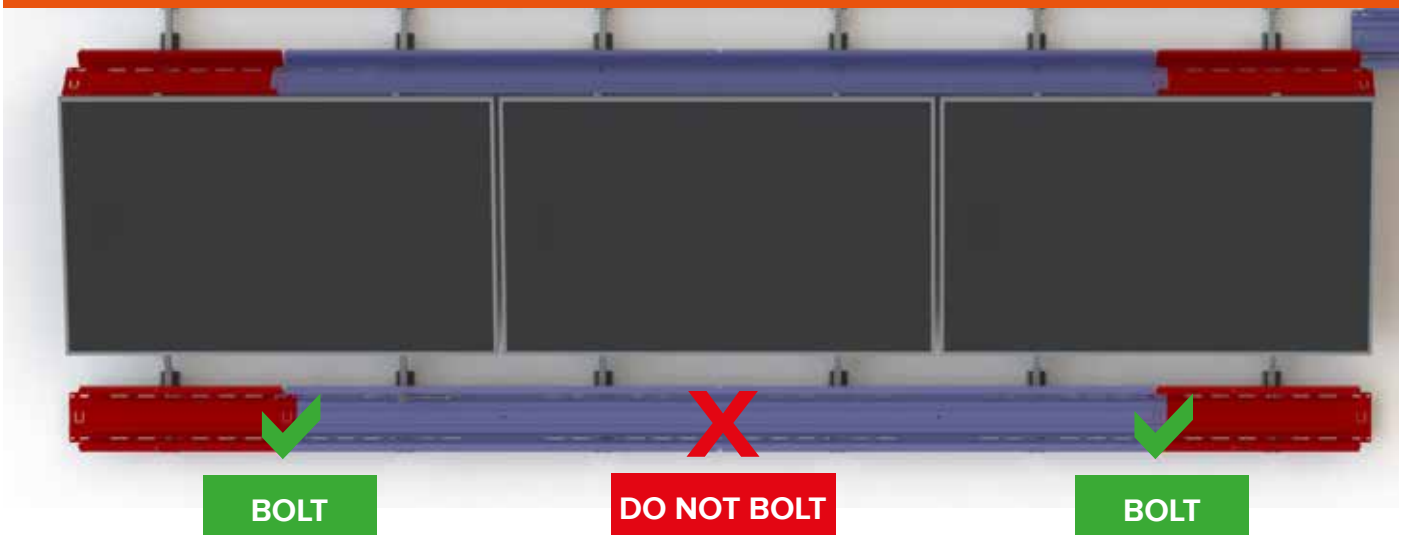
### Tools & Items Required

					
7/16" (11mm)	3/8" & 7/16"	Long Ballast Tray	Short Ballast Tray	Short Bolt	Serrated Nut



Only bolt Short Ballast Trays to Long Ballast Trays.  
DO NOT bolt Long Ballast Trays to other Long Ballast Trays.

For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.








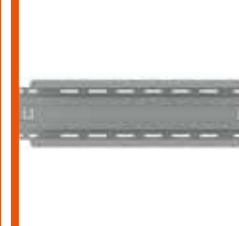

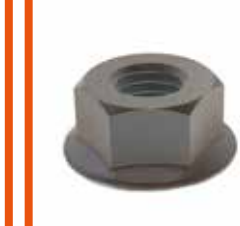




# 17

## Fixing Short & Long Ballast Trays together

### Tools & Items Required

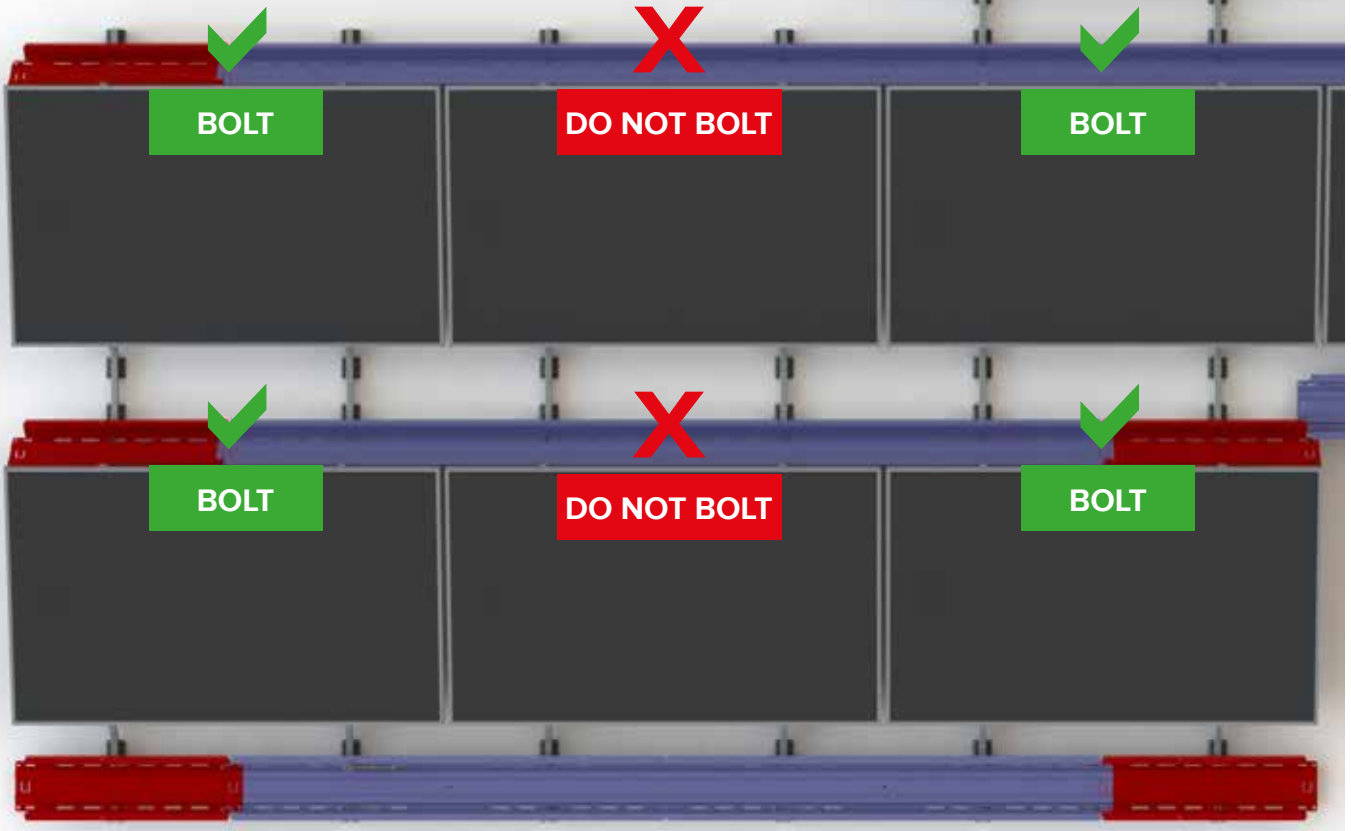
					
7/16" (11mm)	3/8" & 7/16"	Long Ballast Tray	Short Ballast Tray	Short Bolt	Serrated Nut

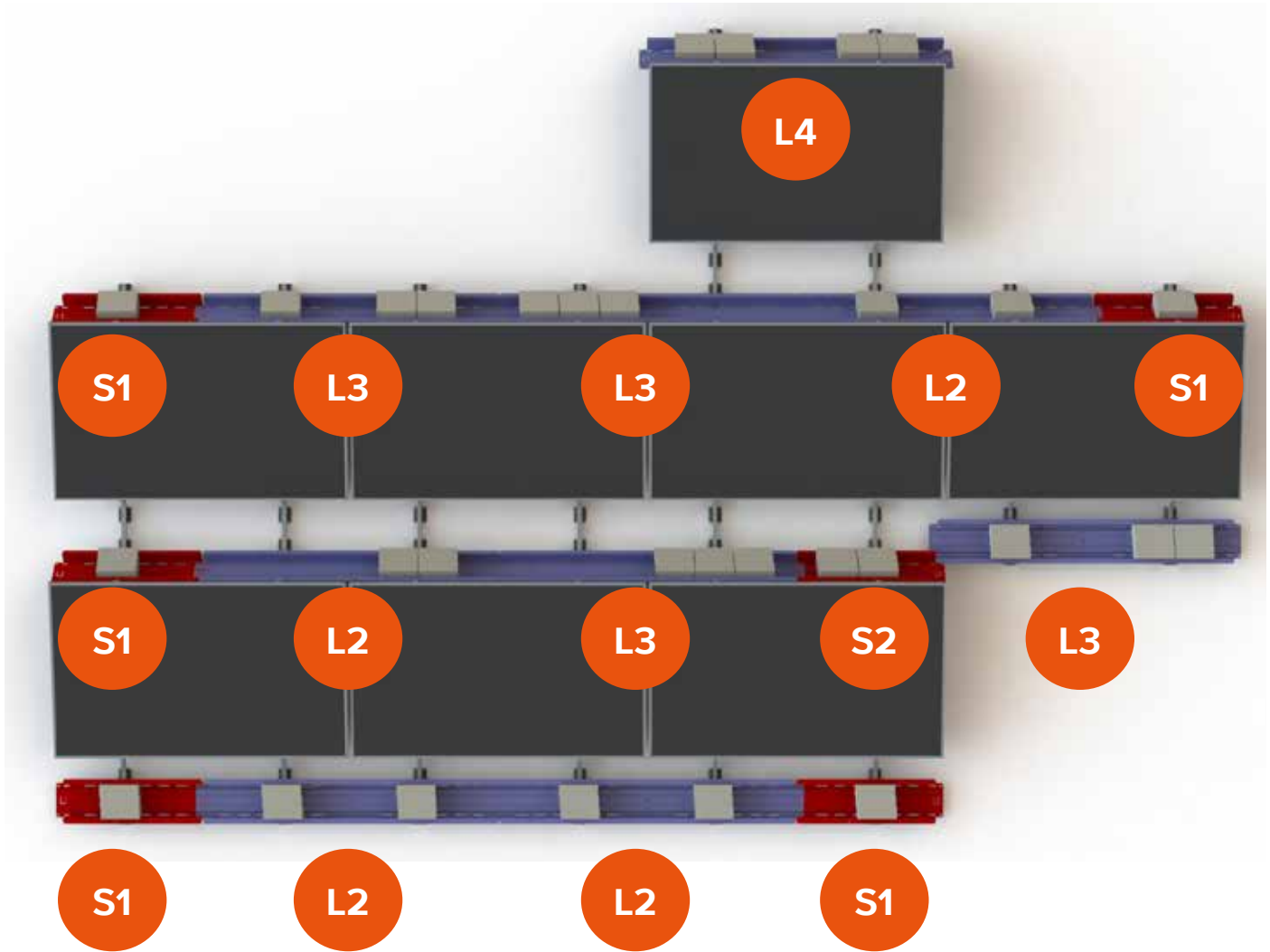
Only bolt Short Ballast Trays to Long Ballast Trays.  
DO NOT bolt Long Ballast Trays to other Long Ballast Trays.

For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



20Nm





1 = 3x Sunfixings Ballast Blocks or 9.9kg  
2 = 6x Sunfixings Ballast Blocks or 18.18kg etc.