

## COMPONENTS & MATERIALS

### Floor Tiles

MgO Board (Magnesium Oxide Board)

### Supports

20 gauge (0.81 mm) stamped steel  
Zinc plated to prevent corrosion

### Webs and Pad Nuts

V-0 Polypropylene  
Colour: White  
Quick Connect System

### Screws and Washers

Steel, zinc plated

### Perimeter Blocking

Aluminium, extruded, clear anodised

### Perimeter Fasteners

Steel, black phosphate finish

## INSTALLATION

Suitable for installation over existing subfloors - Floor webbing follows contour of subfloor with no levelling capabilities. Below is an example of the number of components required for a floor with dimensions of 26' x 23' (7.92m x 7.01m). To get an estimate of the number of components needed for your own floor space, please refer to our online Flooring Calculator which can be found on [www.adaptarchitectural.com](http://www.adaptarchitectural.com).

### Tiles

150 tiles required

### Webs

7 boxes (A box contains 10 units)

### Steel Supports

630 units (Delivered in place with the webbing)

### Pad Nuts

630 units (Delivered in place with the webbing)

### Screws and Washers

3 packs of each. (A pack contains 100 pieces)

### Perimeter Blocking

6 lengths required

### Perimeter Fasteners

Two per perimeter tile minimum  
Quantity dependant on room size and layout

## DIMENSIONS & DETAILS

### Cavity

Module Size	7 <sup>3</sup> / <sub>4</sub> " W x 7 <sup>3</sup> / <sub>4</sub> " L x 1 <sup>13</sup> / <sub>16</sub> " H (198mm W x 198mm L x 46mm H)
Cable Raceway Capacity	6" W x 1 <sup>13</sup> / <sub>16</sub> " H (152mm W x 46mm H) 196 CAT5e cables per raceway

### System Dead Load

Weight	6.05 lbs per square foot 29.54 kg per square meter
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### Floor Tiles

Tile Size	24" x 24" (610mm x 610mm)
Tile Dimensions	23 <sup>7</sup> / <sub>8</sub> " W x 23 <sup>7</sup> / <sub>8</sub> " L x <sup>7</sup> / <sub>8</sub> " D (607mm W x 607mm L x 21mm D)
Tile Weight	21.5 lbs (9.75 kgs) each

### Steel Supports

Support Height	2 <sup>5</sup> / <sub>8</sub> " (67mm) to bottom of carpet
Floor Cavity Height	1 <sup>13</sup> / <sub>16</sub> " (46mm) Base to underside of tile
Component Size:	5 <sup>1</sup> / <sub>4</sub> " diameter x 1 <sup>11</sup> / <sub>16</sub> " H (133mm diameter x 43mm H) 4" (102mm) diameter top

### Webbing

Webbing Size	24" x 24" (610mm x 610mm) <sup>1</sup> / <sub>8</sub> " (2.5mm) thick (typical)
Inc. Connector	36" x 36" (915mm x 915mm)

### Pad Nuts

Pad Nut Size	4" diameter x <sup>1</sup> / <sub>16</sub> " thick (102mm diameter x 1.6mm thick)
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### Screw & Washer Assembly

Washer Size	1 <sup>1</sup> / <sub>2</sub> " diameter x <sup>1</sup> / <sub>16</sub> " thick (38mm diameter x 1.6mm thick)
Philips Screw	<sup>1</sup> / <sub>4</sub> " x 2" long (6.3mm x 50mm long)

### Perimeter Blocking

Blocking Size	2 <sup>9</sup> / <sub>16</sub> " H x 1 <sup>13</sup> / <sub>16</sub> " W x 19'-0" L (64mm H x 46mm W x 5791mm L)
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### Perimeter Fasteners

Philips Screw	<sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " long (6.3mm x 57mm long)
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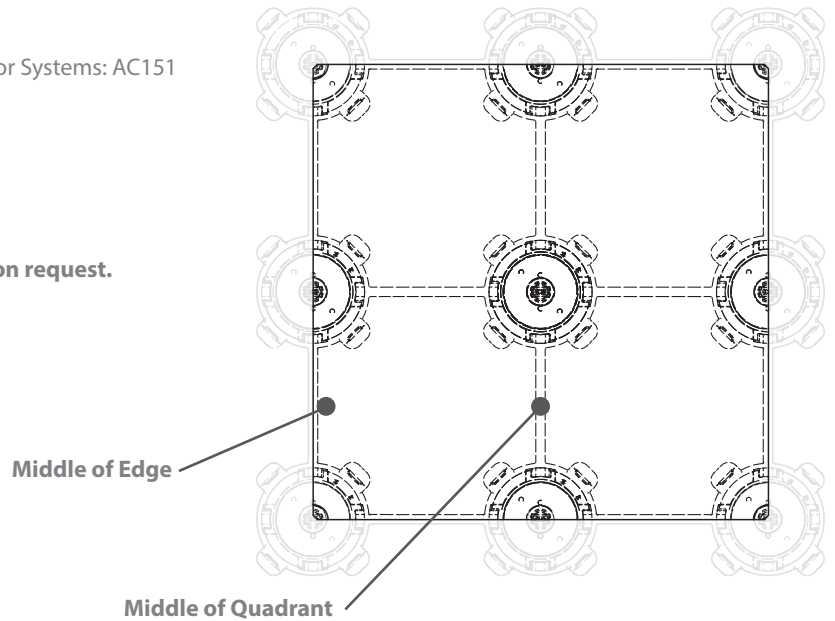
## TESTING & APPROVALS

Acceptance Criteria for Fixed Height, Low Profile, Raised Floor Systems: AC151

Inclusive of the following tests: ASTM D 635, ASTM D 1929, ASTM D 2843-99, ASTM E 84, ASTM E 119, ASTM E 2322-03

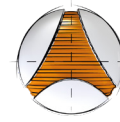
Los Angeles Research Report (General) LARR-25858

Testing Reports, Details and Approvals are available upon request.

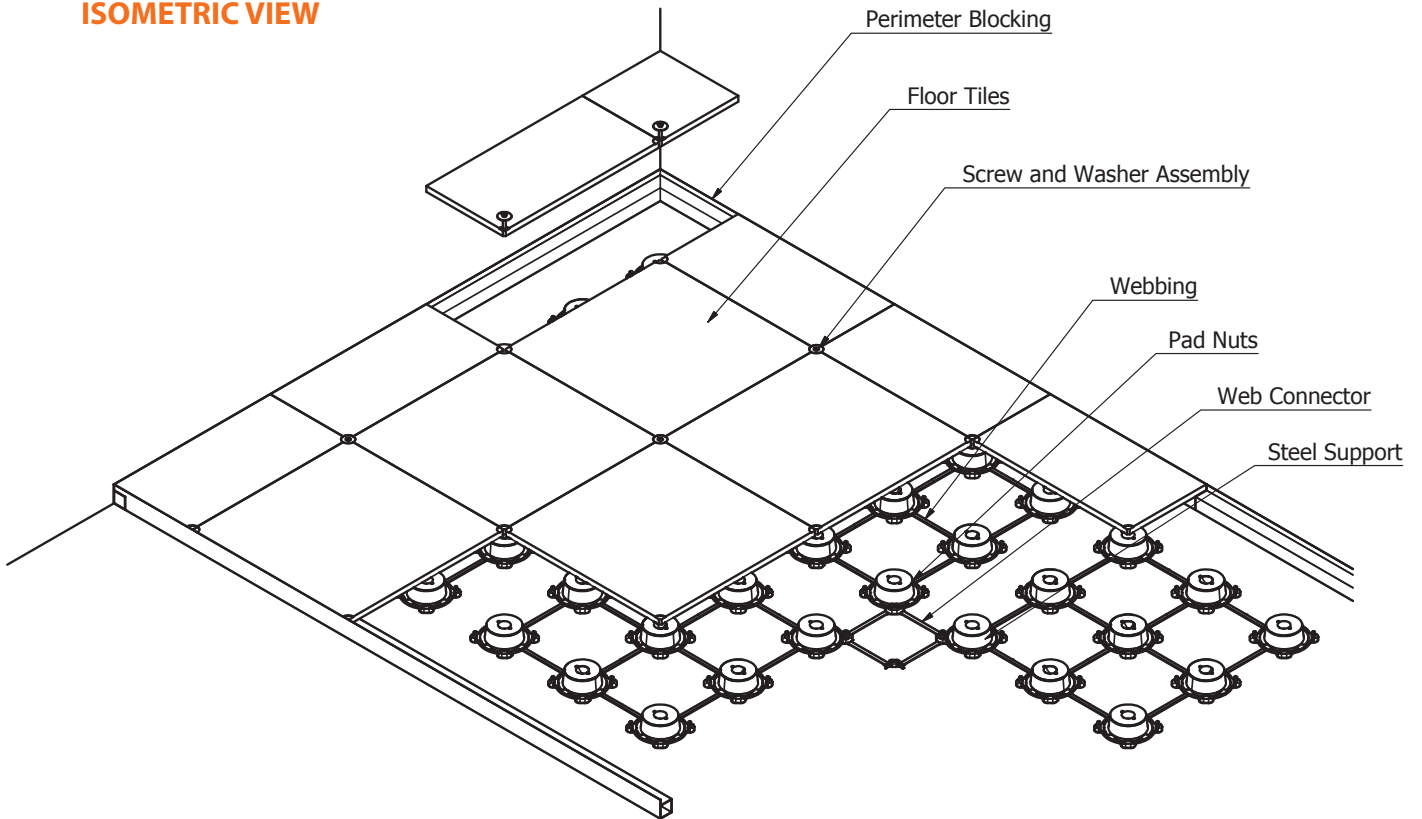


CISCA Test Results					
Property	Test no.	Location	Ultimate Load		Ultimate Failures
			lbf	kgf	
CISCA Section 1 Concentrated Load	1	Middle of Quadrant	897	406.9	Indentor depressed into panel
		Middle of Edge	623	282.6	3" x 7" (76.2 x 177.8mm) section broke off edge
	2	Middle of Quadrant	890	403.7	Board cracked
		Middle of Edge	590	267.6	1" x 2" (25.4 x 50.8mm) section broke off edge
	3	Middle of Quadrant	881	399.6	Indentor depressed into panel
		Middle of Edge	567	257.2	1" x 1" (25.4 x 25.4mm) section broke off edge
	4	Middle of Quadrant	860	390.1	Indentor cracked panel
		Middle of Edge	600	272.2	1" x 1" (25.4 x 25.4mm) section broke off edge
	5	Middle of Quadrant	887	402.3	Panel cracked parallel to edge at indentor
		Middle of Edge	573	259.9	1" x 1" (25.4 x 25.4mm) section broke off edge

ICC-ES AC151 Test Results				
Property	Test no.	Load		Observations
Uniform Load	1	900 psf	4394.2 kg/m <sup>2</sup>	No sign of damage
	2	900 psf	4394.2 kg/m <sup>2</sup>	No sign of damage
	3	900 psf	4394.2 kg/m <sup>2</sup>	No sign of damage
	4	900 psf	4394.2 kg/m <sup>2</sup>	No sign of damage
	5	900 psf	4394.2 kg/m <sup>2</sup>	No sign of damage
Concentrated Load Over 2 ft x 2ft / 609.6 x 609.6mm	1	10127 lbf	4594 kgf	No sign of damage
	2	10127 lbf	4594 kgf	No sign of damage
	3	10127 lbf	4594 kgf	No sign of damage
	4	10127 lbf	4594 kgf	No sign of damage
	5	10127 lbf	4594 kgf	No sign of damage



### ISOMETRIC VIEW



### SECTION VIEW

