

Verandas

Product Overview

Verandas is an engineered architectural room system that's inherently sustainable and curated for the future. As with all Spacestor products, easy customization and a huge array of finish options allow you to create a look that is totally bespoke and yet built on a scalable framework.

Dimensions

External

Height: Min = 2400mm / 94 1/2" or 7' 10 1/2"

Max = 2420mm / 95 1/4" or 7' 11 1/4"

Width: 2400mm / 94 1/2" or 7' 10 1/2"

Depth: 2264mm / 89 1/8"

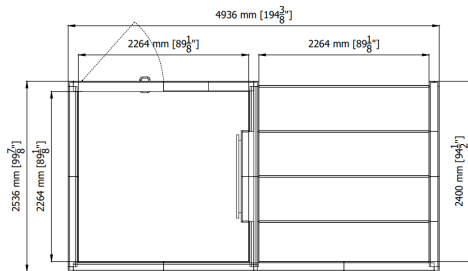
Internal

Height: 2150mm / 84.5"

Width: 2400mm / 94 1/2" or 7' 10 1/2"

Depth: 2264mm / 89 1/8"

Dimensions based on example drawing below. All width and depth measurements will vary depending on configuration specified.

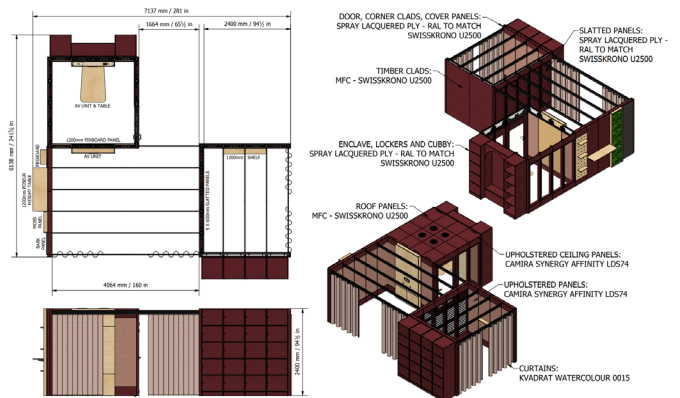
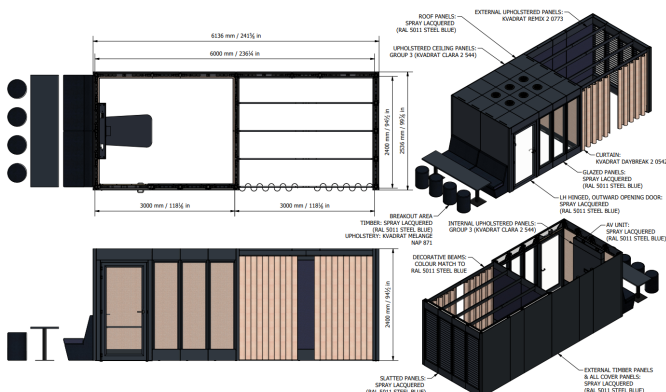


Sizing Guidelines

- 1 dimension limited to 16' / 600mm, but otherwise infinite options in 24"/48" / 600/1200mm increments.
- Min. external height of unlevelled room = 2400mm / 94 1/2" or 7' 10 1/2"
- If room adjusted on levelling feet, it could = 2420mm / 95 1/4" or 7' 11 1/4"
- Room Internal Height: 2150mm / 84.5"
- Smallest room size = 1200mm x 1200mm

General Drawing

Custom per job, dependant on client specification.



Environmental Summary

During the development journey we always kept our environmental impact in mind. This is demonstrated in the following key features of the design when the pod is purchased with the recommended finishes:

- All materials used are LBC 3.1 Red List Compliant, an extremely stringent standard
- Patented PVC-free acoustic door seal
- Product lifecycle – the products are designed to be modular and reconfigurable to cater for future needs without wastage and using more resources.
- Power usage – the products are designed with minimum idle power usage, with a PIR movement sensor to switch off the lighting after a period of non-use.
- FSC certified lumber.

Material Schedule

Structural Frame	ERW Steel Tube
Doors/Door frames/Corner Clads/Cover Panels	Plywood
External Clad Panels/Roof Panels	Dependant on specification of enquiry (Ply / MFC / LPL)
Internal Ceiling & Internal Upholstery Panels	Fabric wrapped panels
Decorative beams	Aluminium
Clad Panel Attachment Clips	Nylon
Glass	3/8" laminated glass
Hinges/Door Handle and Latch	Stainless Steel
Accessories	Dependant on specification of enquiry (Ply / MFC / LPL)

Environmental Document & Declare Label



Verandas

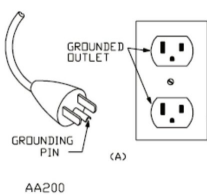
Electrics

Lighting

- Verandas meeting rooms have round user-controlled dimmable spotlights (Press and hold switch to dim/brighten). Each light is 23W, efficiency 82lm/W, 1875lm max, CRI >80, 90 degree beam angle, 4000K.
- The lighting control system is Casambi, a Bluetooth system, configurable by app. The system is highly customizable.
- The lighting system is supplied with and is fully integrated within the Verandas system. Qty of lights is dependent on room size.
- Small one person pods have an alternative lighting solution, suited to the room size. These have a square LED spotlight, 5W @ 24Vdc, natural white colour, temperature 3900 K, luminous flux 325lm, luminous efficiency 65 lm/W.

Power

- Verandas can be powered by a standard voltage cord and plug connection to a convenience or dedicated receptacle. If required by state regulations, a hardwired connection to the building electrical system is possible.
- The electrical load clients are to support for connection to Verandas is dependent on region:
 US: 15A per configuration (each configuration is typically fed by softwire connection with 15A overload protection).
 UK: 13A per configuration (each configuration is typically fed by softwire connection with 13A overload protection).
- This allows for users plugging devices into the provided receptacles.
- If power is required in a meeting room it will need to have either a full height AV module or credenza, which is where the mains power connection is made. All power outlets are situated in the AV module or credenza. If neither of the above are included within the product specification, a floor box will need to be provided by the client.
- This product is for use on a nominal 120 V circuit that has a grounding plug that looks like the figure below. Make sure the product is connected to an outlet having the same configuration as the plug.
- No adaptor should be used with this product.



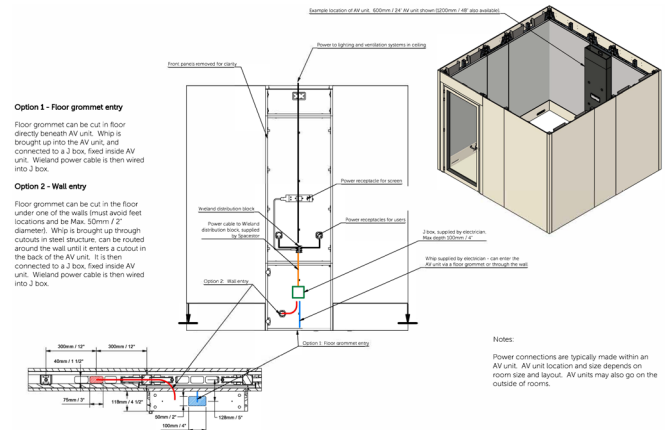
Ventilation

- Ceiling mounted fan ventilates unit with ambient building air. Air is exhausted behind the upholstered panels and through the top of the unit.
- Exact locations & qties of fans are specified on the final manufacturing drawings created per job.
- In meeting rooms, each fan covers between 1.08 - 1.68M2. 1 person pods only have 1 fan.
- Performance data for Ventilation fans: Each fan is 12V, the spec is as follows:

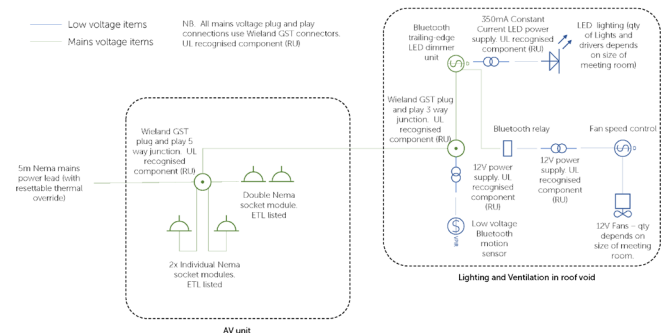
Rated Power	3.6W
Airflow	24.49 CFM (400rpm)/ 140.13 CFM (1,500rpm)
Static Pressure	0.24mmH2O (400rpm) ~ 3.17mm H2O (1,500rpm)

- Supply air plenum sizing: 200mm depth overall, 175mm clear depth. Cutouts in structural beams are 225 x 75mm slots.
- Intake cut-out sizing: 180mm Ø / 254.5 cm² / 39 1/2 in², when the fan is fitted the fan grill reduces this to 160.5 cm²/ 24 in².

Hardwire Electrical Connection



Plug and Play Electrical Schematic



Safety

Sprinklers

To address the need for any required fire sprinkler regulations, Spacestor Verandas are designed to accept a sprinkler head drop from the building fire sprinkler system via a cut out, managed per project with the Project Manager. A flexible fire sprinkler drop is recommended.

Fire Ratings

If a fire alarm is required, a cut-out for the standard specification of a 4"/100mm square extra deep junction box can be provided or a different size cut-out for other specifications.

Weight Limits

No weight should be placed on Verandas when installed and fixing of parts outside the Verandas range to the product, e.g., screens, is a non-intended use of the product. In the event of non-intended use, Spacestor shall assume no liability for any damage caused and the guarantee for correct functional operation of the components shall no longer apply.

Lifting

Product must be handled by 2 operatives.

General safety

- All maintenance and repair tasks must be performed by appropriately qualified and authorised technicians.
- Only use tools that are appropriate for these tasks.

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- For longer periods of absence or if there is a thunderstorm, unplug the power supply cable from the power outlet to avoid damage due to grid-related over-voltage.

Function Check

- The components of the Verandas should be checked for proper function at regular intervals. Particular attention should be devoted to the electrical connections (if electrical accessories purchased):
- The electrical equipment for the AV rig should be checked regularly. Loose connections and damaged cables should be replaced immediately.
- Only remove or establish plug connections when the room is de-energised.
- The AV rig plug must be easily accessible at all times.

Structural

- Spacestor provides vetted anchorage details for various floor types; raised access floor, carpet and concrete floors. Please speak to a Spacestor representative to find the appropriate detail for your floor type and coordinate with floor manufacturer for installation.
- Installation using a through bolt or a top-down bolt depends upon the RAF specification selected by the project team.
- Adjustable levellers on the product have up to 3/4"/20mm tolerance.

Seismic

- The pod is seismically engineered with floor fixing positions built into the base frame, making it suitable for installation on a raised-access floor, as well as carpet and concrete floors. It also has adjustable levellers with up to 3/4"/20mm tolerance.
- Design teams should check with local jurisdictions for seismic requirements.

Acoustics

Rating

The acoustic performance was optimised during the design process to achieve speech intelligibility privacy by using high acoustic performance materials and a patented acoustic seal technique.

The Verandas product was tested in a Laboratory for acoustic performance. The results are as follows:

Measurements were made in accordance with ISO 23351-1 with the single figure Speech Level Reduction (DS,A) and Class determined for each unit.

Measurements were also made in accordance with ASTM E596 with subsequent calculations in accordance with ASTM E413 in order to determine the single figure Noise Isolation Class (NIC) for each unit.

Unit	ISO 23351-1		ASTM E596
	DS,A	Grade	NIC
Verandas	25.8	B	25

'Acoustic performance' of a pod is the noise reduction level (sound from inside to outside/outside to inside). Noise reduction level is affected by external factors - e.g. the environment, external noise level, how close the pod is to a wall etc.

Decibel reduction rating in excess of 35dB achieved through high performance acoustic materials and acoustic seal technique, dependant on site conditions & configuration. For example, in an exhibition hall you would have a very high level of sound reduction whereas in a quiet office it would be much lower rating.

The FIS are working with various parties to try and establish a methodology for testing & qualifying acoustic performance in a like for like way.

The materials used in the products have noise absorbing properties ranging from 30 to 60+ db rating but this is not representative of the product as a whole.

We have designed our products in such a way to block sound transfer but there are other factors such as the building sub-floor etc that affect the noise reduction level.

Shipping

Shipping dims/weight/package are dependant per project - please enquire.

FAQs

Does ventilation come as standard?

Yes

Can you have an open wall on a room?

You can have one open wall per room up to ~8'/2400mm wide. The room must have decorative beams, not a enclosed ceiling.

What is the distance between the decorative beams?

The distance between two beams is ~22"/560mm.

Which way is the door hinged?

The door/s are internally swinging and must be left-hinged (when viewed from the inside).

What length can the decorative beams be?

Decorative beams can be up to 16'

Where are the sprinklers integrated?

Sprinklers are integrated on-site. Contact us with sprinkler head specification to confirm install requirements.

Can you create an arch/corridor effect with decorative beams between two separate free-standing coves/meeting rooms?

Yes

Can the external height be changed?

The external height can't be changed but it will fit under most existing buildings ceiling heights.

Does it matter what walls decorative beams attach to?

Walls perpendicular to decorative beams must all be single panels (600w/24"w) - to ensure beams can fix on.

What is the colour/lighting temperature of the lights?

4000K is standard. 3000K is available but may incur extra lead time as we won't be able to use the standard kit.

How much space is needed to install Verandas?

- Minimum height of unlevelled room = 2400mm = 94 1/2" or 7' 10 1/2"
- If room is adjusted on levelling feet, it could = 2420mm = 95 1/4" or 7' 11 1/4"
- Height needed to hook external panels/ plinths on = 20mm = 3/4"
- Total clear height needed to install external panels/ plinths = 2440mm = 8'
- Minimum clear ceiling height for installing Verandas is normally 2550mm = 100 1/2"