

# TECHNICAL DATA

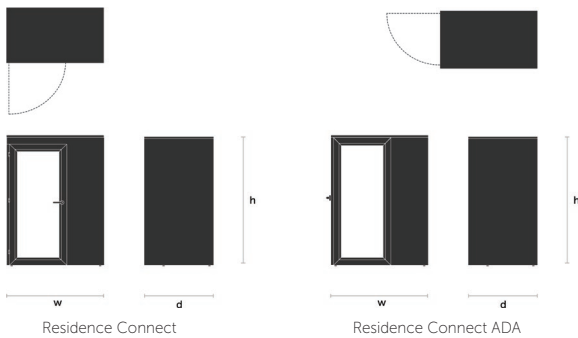
## Residence Connect

### Product Overview

Residence Connect, is the only video pod designed from the ground up with every detail created to optimise the sustained video call experience, for all staff. It's the result of a 2 year development journey with one of the world's leading global tech companies: audio and visual privacy, controllable light levels and ventilation, height-adjustable working position and working space all tested and honed to provide optimum user experience. Careful consideration has been given to service routing, maintenance and M&E needs with patented airflow technology, integrated service voids and removable access panels. Employee protection and sustainability is catered for with all materials being LBC Red List Compliant, no added formaldehyde and patented PVC-free acoustic seals.

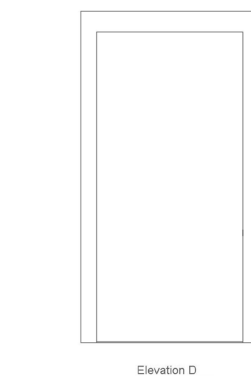
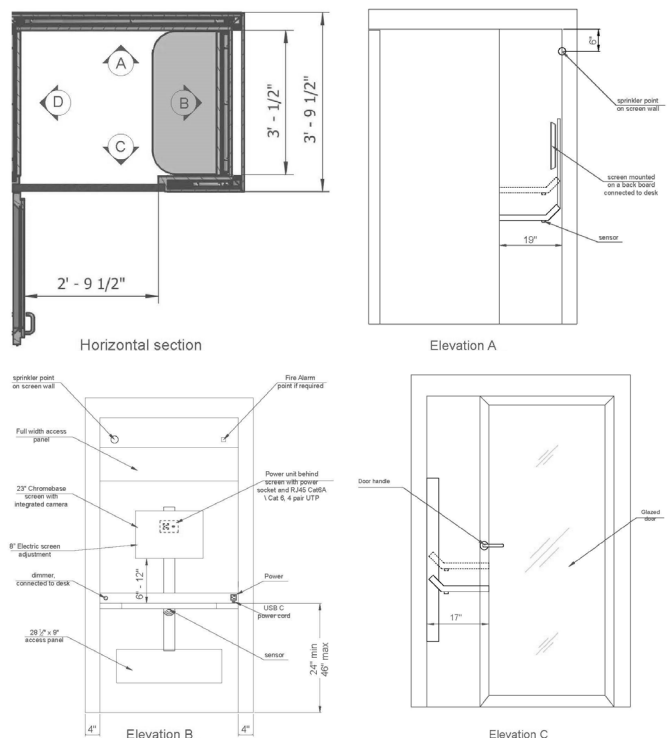
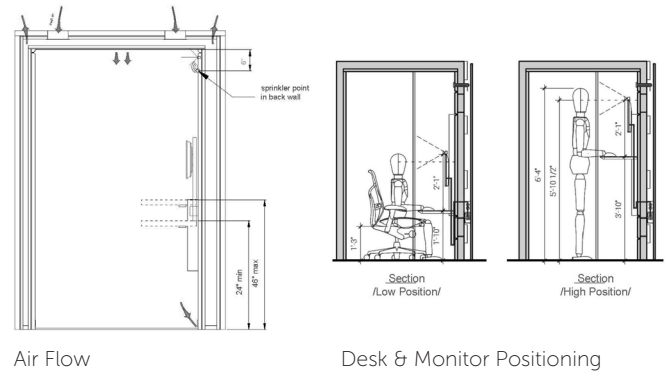
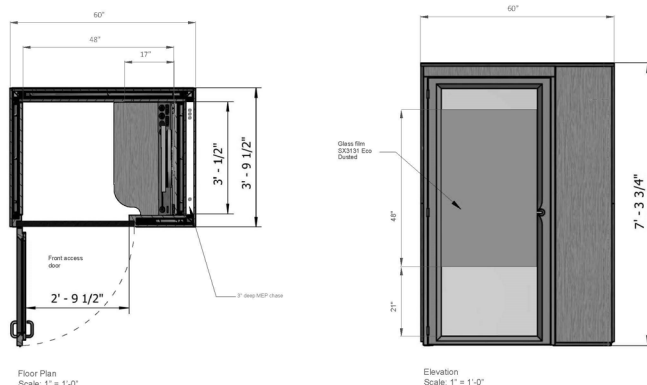
### Dimensions

60" w x 45" d x 88" h (inches)



Internal Height	83 3/4"
Internal Width	48"
Internal Depth	36 3/4"
Desk: Max Load	35 Lb
Desk: Min Height	24"
Desk: Max Height	46"
Monitor Min Height above Desk	6"
Monitor Max Height above Desk	12"
Monitor Max Weight	26 Lb

### General Drawing



### 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

## Product Name

- 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.

- Manufactured in accordance with EN 14449
- Minimised UV-transmission
- Sound Control

### Environmental Document & Declare Label



#### Upholstery Interliner Specification\*

\*only applicable for panels with Spacestor SkinPerfect fabrics

##### Crib 7 Barrier Felt

- Weight: 330gsm +/- 10%
- Hazard Identification: No known health hazard.
- Toxicity: No toxicological effects are known
- Regulatory information: Not classified as hazardous product; no distinguishing marks are required (EEC Regulations)
- Ecological Information: FR Viscose rayon staple fibre and Wool do not have any harmful influence on the environment
- Performance: BS 5852:2006 Clause 11 (Source 7) (After Annex E Watersoak Procedure) – Methods of test for the assessment of the ignitibility of upholstered seating by smoldering and flaming ignition sources:

#### Test Results

The following test results relate only to the ignitibility of the combination of the materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Test Criteria	Initial Test	Repeat Test
<b>*Smouldering Ceased Within: [mins]</b>		
<b>Progressive Smouldering Criteria</b>		
Filling Material Used:	GB 33-35	GB 33-35
4.1.1A: Displays unsafe escalating smouldering combustion, requires to be forcibly extinguished?	<input type="checkbox"/>	<input type="checkbox"/>
4.1.1C: Any test specimen that smoulders until it is essentially consumed	<input type="checkbox"/>	<input type="checkbox"/>
*4.1.1E: Detectable amounts of smoke, heat or glowing 60 mins after crib ignition?	<input type="checkbox"/>	<input type="checkbox"/>
4.1.1F: On final inspection, any evidence of charring more than 100 mm in any direction (apart from upwards) from the original nearest position?	<input type="checkbox"/>	<input type="checkbox"/>
<b>Flaming Criteria</b>		
*Flaming Ceased: [mm:ss]	11.42	10.39
4.2.1A: Displays unsafe escalating flaming combustion, requires to be forcibly extinguished?	<input type="checkbox"/>	<input type="checkbox"/>
4.2.1B: Any test specimen that burns until it is essentially consumed within the test duration	<input type="checkbox"/>	<input type="checkbox"/>
4.2.1C: Flame front reaches the lower margin, either side or passes through the full thickness?	<input type="checkbox"/>	<input type="checkbox"/>
*4.2.1E: Flaming continued for more than 13 minutes after the ignition of the crib?	<input type="checkbox"/>	<input type="checkbox"/>
*4.2.1G: Any test specimen from which flaming debris causes an isolated floor fire that continues to flame for longer than 13 mins?	<input type="checkbox"/>	<input type="checkbox"/>
<b>Test Result</b>	<b>PASS</b>	<b>PASS</b>

#### Glass Specification - 8.8mm Acoustic Laminate

Comprising of two or more panes of glass which are bonded together using a specially designed high performance clear PVB interlayer. Various performances can be achieved by combining different types of glass thickness and number of interlayers. Key features include:

- Break safe characteristics
- Resists attack
- UV Protection
- Improved acoustic performance

Resistance to Fire	NPD
Reaction to Fire	NPD
External Fire Performance	NPD
Bullet Resistance	NPD
Explosion Resistance	NPD
Category of Resistance (EN 356)	P2A
Pendulum Body Impact Resistance	1(B)1
Resistance Against Sudden Temperature Changes & Temperature Differentials	40K
Wind, Snow, Permanent & Imposed Load Resistance	10mm
Direct Airborne Sound Insulation	37 (0;-3) dB
<b>Thermal properties</b>	
Thermal Transmittance (U-value)	5.6 W/(m2,K)
<b>Radiation properties</b>	
Light Transmittance	0.89
Light Reflection	0.08
Solar Energy Transmission	0.72
Solar Energy Reflection	0.07

NPD = No Performance Determined

### Electrical

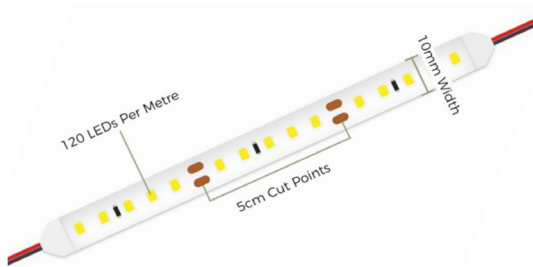
#### Lighting

Diffuse lighting behind monitor with dimmer for user adjustment for best lighting level.

#### LED Tape:

Length	850mm
Voltage	24V
Watts p/M	21W p/M
No. of LEDs p/M	120 LEDs
Colour	Neutral White
Colour Temperature	4000K
IP Rating	IP20
Lumens p/M	2460LM
Lumens p/W	117LM
LED Chip Type	2835 SAN AN
LED Chip Size	2.8mm x 3.5mm
Beam Angle	120o
CRI	>80
PCB Width	10mm
PCB Thickness	1.2mm
Cut Points	Every 5cm
Operating Temp	- 40°C to + 40°C
Average Lifespan	Up to 25000 Hours
Certification	CE-EMC CE-LVD RoHs
Guarantee	3 Years

## Product Name

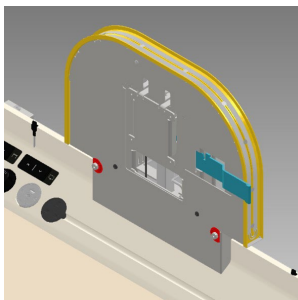


### Semi-Clear Diffuser:

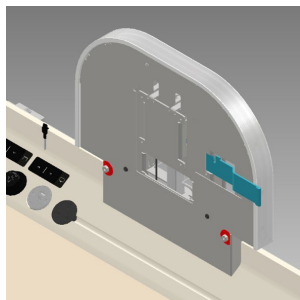
Alters the Kelvin Temperature of the LED Tape by approximately 10% - CCT will appear cooler



### Location of Parts in Assembly:



24V LED Tape



Semi-Clear Diffuser

### Ventilation

Ceiling mounted fan ventilates unit with ambient building air.

### Data

The Connect comes with a data cable installed from behind monitor to pre-installed data jack located adjacent to cable exit at bottom of chase. Jack can be used to connect a home run cable from IDF or via patch cord to locally located wall outlet.

### General safety

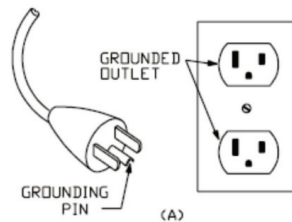
- All maintenance and repair tasks must be performed by appropriately qualified and authorised technicians.
- Only use tools that are appropriate for these tasks.
- For longer periods of absence or if there is a thunderstorm, unplug the power supply cable from the power outlet to avoid damage due to grid-related over-voltage.

### Power / Electrical

- Residence Connect 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.
- Spacestor provide a 120v or 220v six foot / 1800 cord with the regionally specific plug. If hardwired, a junction box to be provided by the GC. A dedicated circuit is not required, and multiple booths can be fed from one circuit.
- Each booth will draw a maximum of 3amps at 110v (excluding any laptop or monitor power requirement).

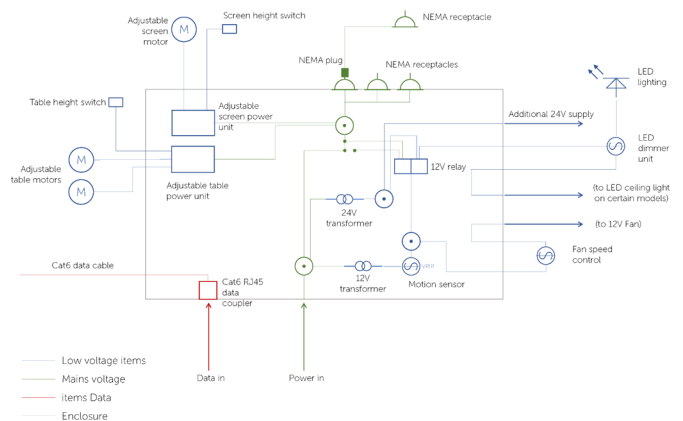
- This is a maximum and calculated on all screen and desk motors being used at the same time. In practice total average load would be less than this and final calculation should be confirmed by an electrical engineer.
- This product is for use on a nominal 120 V circuit that has a grounding plug that looks like the figure below. Make sure the product is connected to an outlet having the same configuration as the plug.

No adapter should be used with this product.



AA200

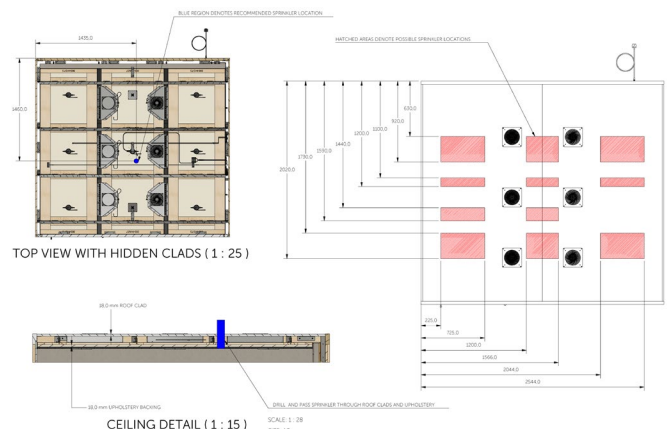
### Deluxe VC Height Adjustable Table Schematic



### Safety

#### Sprinklers

To address the need for any required fire sprinkler regulations, this product can 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.



## Product Name

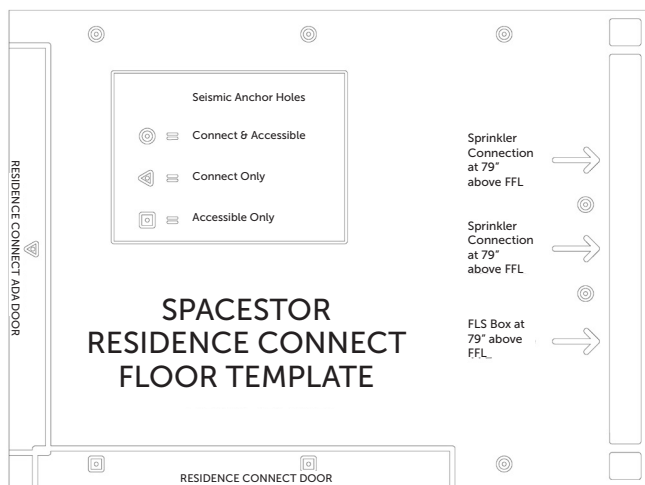
### Fire Ratings

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 Residence Connect when installed and fixing of parts outside the Connect 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.

### MEP Access



Integral rear access chase for easy installation and flexible connection of all MEP components (sprinkler & electrics) and Day 2 access

### Lifting

Product must be handled by 2 operatives.

### Safety

- All maintenance and repair tasks must be performed by appropriately qualified and authorised technicians.
- Only use tools that are appropriate for these tasks.
- 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 Residence Connect 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 desk should be checked regularly. Loose connections and damaged cables should be replaced immediately.
- Only remove or establish plug connections when the pod is de-energised.
- The pod 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.

### UL Listing

- Residence Connect is UL 962 Listed in the United States & Canada. Please note the UL listing is directly tied to the graded-in textiles from LUUM and Camira.
- The following textiles are required along with the specific designations:
  - Luum Heather Tech - Crag Tech 4059-07 (side and back wall panel)
  - Luum Digi Tweed - Topaz Tweed 4058-02 (desk LH panel, desk RH panel and screen wall panel)
  - Luum Heather Tech - Topaz Tech 4059-02 (ceiling panel)



### Safety

### 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 Residence Connect 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
Residence Connect	26.3	B	31

'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.

## Product Name

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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

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Specific shipping dims/weight/packaging are dependant per project - please enquire.

Residence Connect is 1 x Large Crate (90" x 50" x 33") and 1 x Small Crate (41" x 33" x 50")