

SITE SURVEY REPORT

AV Site Survey

Prepared for	Kestrel Learning Ltd
Date	22 Sep 2026
Site	Unit 4, Brindley Court, Wolverhampton
Prepared by	D. Mensah

FORM

AV Site Survey

1. Survey details

Project	Unit 4, Brindley Court, Wolverhampton: training room AV survey
Survey reference	AVS-2026-0217
Site address	Unit 4, Brindley Court, Wolverhampton WV2
Room or space surveyed	Ground floor training room (former shop floor)
Date of the survey	22 Sep 2026
Surveyor name and role	D. Mensah, AV project engineer
Client	Kestrel Learning Ltd
What is being installed?	Projector and screen, Loudspeakers, Microphones, Equipment rack, Control system
State of the room	Under construction or fit-out
Which other trades are on site?	Shopfitters, electrician and ceiling fixers, all working for Hollis Interiors
Have you been given drawings of the room?	Yes
Are the drawings to scale?	Yes, and dimensions checked on site
Could you get to every area you needed to see?	No
Which areas were not surveyed, and why?	Rear store room was locked on the day. Rack position and cable route into it taken from the drawings.

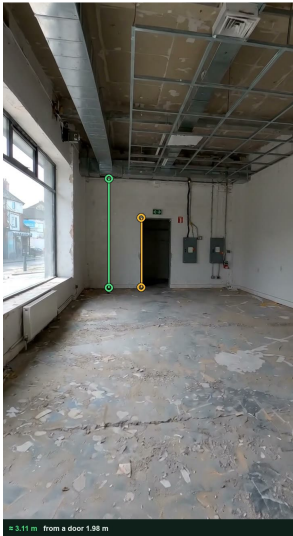
2. Room dimensions

Length (m)	11.8
Width (m)	4.3
Height, floor to ceiling or soffit (m)	3.6
Floor area (m²)	50.7
Room volume (m³)	182.7
Do any services hang below the ceiling or soffit?	Yes

Height to the underside of the lowest service (m)

3.11

Height to the underside of the lowest service (m): measuring photo



Height taken up by services (m)

0.49

Use the height to the lowest service as the clear height for the design. Anything hung near it cannot go higher.

How was it measured?	Laser measure
Floor	Bare concrete or screed
Wall construction	Blockwork or brick
Does daylight reach where a display or screen will go?	Yes
Which windows, and is there any blind or shading?	Full height shopfront glazing on the front wall, no blinds yet. The screen goes on the back wall, facing it.

3. Photos of the room

Photos of the whole room



Photos of the intake, meter and distribution boards



Photos of the ceiling and services



4. Power and data

Where is the electrical intake?	In this room
Where in the room?	Back wall, right of the rear door. Two distribution boards.
Has the supply capacity been confirmed?	No
Who will confirm it?	Client's electrician
Is there power where the equipment will go?	No
What new circuits or outlets are needed, and where?	Double socket and data outlet at high level for the projector. Fused spur behind the screen for the motor. Two double sockets at the rack position in the store.
Incoming data connection	Present, not live
Where does it come in?	Fibre termination box on the back wall, beside the intake
Who will order the connection?	Client (Kestrel Learning office manager)
Proposed position for the rack or equipment	Rear store room, on the wall shared with the training room
Longest cable route, measured along the route (m)	24
Allowance for drops and spare (%)	15
Cable length to allow for that route (m)	27.6
Does the cable route pass through a fire-resisting wall or floor?	Not known

5. Ceiling, structure and services

Which ceiling is closest to what you can see?	Suspended grid
State of the suspended ceiling	Grid only
Depth of the ceiling void (mm)	450
Existing services at high level	Ventilation duct, Air conditioning, Fire alarm detectors
How much does the room echo? (1 is very little, 5 is a lot)	4
Background noise during the visit	Ventilation was off, not known
Anything else at high level	Grid in place, most tiles out. Speaker and projector positions to be agreed with the ceiling fixer before tiles go in. Nearest smoke detector is about 1.5 m from the projector position and 0.8 m from the nearest speaker position.

6. Asbestos and site information

Type of premises	Non-domestic
Was the building built before 2000?	Yes
Will the work drill, cut or fix into walls, floors or ceilings?	Yes
Have you been given the asbestos register for the premises?	Yes
Date the register was received	18 Sep 2026
What does it record where you will be working?	No asbestos recorded
What kind of survey is the register based on?	Refurbishment or demolition survey
Other site information asked for	Fire alarm zone plan, Landlord's fit-out rules, Site induction

7. Equipment positions

Proposed equipment 1: Projector

Equipment	Projector
How is it mounted?	Ceiling or soffit
Where in the room?	Centre line, 4.5 m from the back wall
How many?	1
Weight of each, with bracket (kg)	14
Power of each (W)	450
Total weight (kg)	14
Total power (W)	450
What will it be fixed to?	Concrete soffit, on a drop pole through the grid
Has the fixing substrate been checked for the load?	From drawings
Height of the highest fixing (m)	3.6
Can it be fitted from the floor?	No

Proposed equipment 2: Display

Equipment	Display
-----------	---------

How is it mounted?	Wall
Where in the room?	Repeat displays on both side walls, 6 m from the back wall, for the rear rows
Clear width of the wall or space for it (m)	2.4
Proposed screen or image size (inches, diagonal)	75
Width of that size at 16:9 (m)	1.66
How many?	2
Weight of each, with bracket (kg)	38
Power of each (W)	180
Total weight (kg)	76
Total power (W)	360
What will it be fixed to?	Blockwork
Has the fixing substrate been checked for the load?	Not yet
Height of the highest fixing (m)	2.1
Can it be fitted from the floor?	Yes
Distance to the farthest viewer (m)	5.2
Distance to the nearest viewer (m)	1.5
Smallest size for the farthest viewer, by the 1/6 rule of thumb (inches)	70

Proposed equipment 3: Loudspeaker

Equipment	Loudspeaker
How is it mounted?	Ceiling or soffit
Where in the room?	Six in the grid, two rows of three
How many?	6
Weight of each, with bracket (kg)	3
Total weight (kg)	18
What will it be fixed to?	Ceiling tiles with support bridges
Has the fixing substrate been checked for the load?	Yes, on site

Height of the highest fixing (m)	3.15
----------------------------------	------

Can it be fitted from the floor?	No
----------------------------------	----

Proposed equipment 4: Equipment rack

Equipment	Equipment rack
-----------	----------------

How is it mounted?	Floor standing
--------------------	----------------

Where in the room?	Rear store room
--------------------	-----------------

How many?	1
-----------	---

Weight of each, with bracket (kg)	65
-----------------------------------	----

Power of each (W)	600
-------------------	-----

Total weight (kg)	65
-------------------	----

Total power (W)	600
-----------------	-----

Proposed equipment 5: Projection screen

Equipment	Projection screen
-----------	-------------------

How is it mounted?	Wall
--------------------	------

Where in the room?	Back wall, centred. The rear door moves to the side wall in the fit-out (Hollis Interiors drawing HI-204 rev C), so the whole wall is clear.
--------------------	--

Clear width of the wall or space for it (m)	4.18
---	------

Clear width of the wall or space for it (m): measuring photo

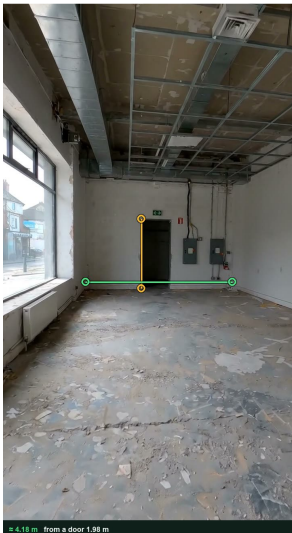


Proposed screen or image size (inches, diagonal)	120
--	-----

Width of that size at 16:9 (m)	2.66
How many?	1
Weight of each, with bracket (kg)	32
Power of each (W)	60
Total weight (kg)	32
Total power (W)	60
What will it be fixed to?	Blockwork
Has the fixing substrate been checked for the load?	Yes, on site
Height of the highest fixing (m)	3
Can it be fitted from the floor?	No
Distance to the farthest viewer (m)	10.5
Distance to the nearest viewer (m)	2.5
Smallest size for the farthest viewer, by the 1/6 rule of thumb (inches)	141

Smaller than the rule of thumb for the farthest viewer (image height at least one sixth of the viewing distance, for video and presentations). Detailed content such as spreadsheets needs a bigger image: size it to the content, for example with AVIXA DISCAS, before you quote.

Photos of the position



Total weight of all equipment (kg)	205
Total power of all equipment (W)	1470
Items of equipment	11

Displays and video wall panels	2
Loudspeakers	6
Cameras	0
Positions with the fixing not yet checked	1
Positions that cannot be fitted from the floor	3

8. Access and working at height

Where to unload and bring the equipment in (GPS)	Rear service yard, roller door beside the bin store · 52.581140, -2.120060 (SO 91961 98154, ±5 m)
Clear width of the narrowest door on the route in (m)	0.9
Smallest side of the largest item to bring in (m)	0.6
Which floor is the room on?	Ground floor
Agreed working hours	Monday to Friday, 08:00 to 17:00, shared with the fit-out team
Is there work that cannot be done from the floor?	Yes

Work at height has no minimum height. It is any work where a person could fall far enough to be injured. The law says to avoid it where that is reasonably practicable, and to plan it properly where it is not. (The Work at Height Regulations 2005, regulation 6.)

Which tasks, and at what height?	Projector pole and bracket to the soffit at 3.6 m. Screen fixings at 3.0 m. Six speakers and cabling in the grid at 3.15 m.
Can any of it be done at floor level instead?	Yes
How?	Assemble the projector, pole and bracket at floor level, then lift as one
Access equipment proposed	Mobile tower, Podium steps
Floor where access equipment will stand	Level, needs clearing
What needs doing before access equipment is used?	Old floor tile adhesive and fit-out debris across the floor (the refurbishment survey sampled the floor finishes: no asbestos found). Fit-out team to sweep before the tower goes up.

9. Open items and sign-off

Open items 1: Screen size: 120 inch is the largest that fits under the grid, and the back row at 10.5 m needs about 140 inch by the rule of thumb. Two 75-inch repeat displays proposed at 6 m: approve, or move the back row forward.

What needs to be confirmed?	Screen size: 120 inch is the largest that fits under the grid, and the back row at 10.5 m needs about 140 inch by the rule of thumb. Two 75-inch repeat displays proposed at 6 m: approve, or move the back row forward.
Who will confirm it?	Client
Needed by	9 Oct 2026

Open items 2: Spare supply capacity for the AV circuits

What needs to be confirmed?	Spare supply capacity for the AV circuits
Who will confirm it?	Client's electrician
Needed by	9 Oct 2026

Open items 3: Final ceiling layout and light positions, from Hollis Interiors

What needs to be confirmed?	Final ceiling layout and light positions, from Hollis Interiors
Who will confirm it?	Client
Needed by	16 Oct 2026

Open items 4: Date the data line goes live

What needs to be confirmed?	Date the data line goes live
Who will confirm it?	Client
Needed by	23 Oct 2026

Open items 5: Background noise with the ventilation running, to set the speech system levels

What needs to be confirmed?	Background noise with the ventilation running, to set the speech system levels
Who will confirm it?	Installer
Needed by	30 Oct 2026

Open items 6: Fire rating of the wall between the training room and the store, so the cable entry can be fire-stopped if needed

What needs to be confirmed?	Fire rating of the wall between the training room and the store, so the cable entry can be fire-stopped if needed
Who will confirm it?	Landlord or managing agent
Needed by	9 Oct 2026
Is a second visit needed?	Yes
What for?	See the store room and mark fixing points once the grid layout is final
Name	D. Mensah, AV project engineer
Surveyor signature	

D. Mensah