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All dimensions and levels should be 'read only' from those values stated in text, on the drawings.

⚠ CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Key/Schedule/Designers Risk Assessment

KEYPLAN:

Cavity Barrier/Firestopping
Firestopping (Internal) to match the fire resistance of the associated wall/floor)
Cavity Barriers (External) to achieve a fire resistance of 30 minutes integrity and insulation

Cavity Barrier Around Openings
Acceptable materials include 0.5mm steel, 12mm gypsum based board, or mineral wool slab under compression

These Fire Strategy drawings are to be read in conjunction with the Fire Strategy Report and the Access Strategy drawings.
Structural elements including roofs supporting plant to have 90 minutes fire resistance on New Build and 120 minutes on Link Bridge. For additional requirements refer to the Fire Strategy Report.

For location and extent of external wall cavity barriers around openings, compartment wall junctions, other cavity barrier junctions, protected escape routes, subdivisions, etc. refer to the 2903 fire elevations and to the Facade Designer drawings.
Roof covering materials to be rated minimum of BA, BB, BC.
For escape stairs widths to existing and new staircases refer to the Fire Strategy Report.
Existing building elements with 'no works' are retained as existing. Fire resistance of existing elements has not been verified. Further investigations to be undertaken.
These drawings do not show the position of loose firefighting equipment. Positions for this equipment to be provided by Client and agreed with BC.
Cavity barriers to be installed in accordance with section 33 of BS 9999.
All concealed voids in excess of 20m and around all window openings to be provided with cavity barriers and where external cavity crosses over compartment line of all fire resisting walls.
Provide cavity barriers at all compartment walls and in cavities at every 20m (Vertically & horizontally). All in accordance with Building Regulations and Fire Strategy.
All Ductwork & Services that pass through Protected Escape Routes to be 120min fire rated construction & be fully fire stopped to acheive 120min.
Ductwork & services that do not pass through Protected Escape Routes, but pass through fire separating elements are to be of a fire rated construction & fire stopped to acheive the same rating as the element it passes through.

1 West Elevation Fire Strategy
1 : 150

FINAL

REVIEWED
By Darren Smethurst at 2:43 pm, Feb 03, 2023

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PROJECT:
Science and Engineering Building

TITLE:
West Elevation - Fire Strategy
New Build

SCALE:	ORIGIN DATE:	DRAWN:	CHECKED:
As indicated@A1	24/01/23	JC	AP

STATUS:
Preliminary

PROJECT:	DRAWING NO:	REV:
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