

# INSPECTION REPORT R221

<b>ISSUE DATE:</b>	15 December 2023	<b>CONFIDENTIALITY:</b>	Confidential
<b>SUBJECT:</b>	RAAC Discovery Inspection		
<b>PROJECT:</b>	NHSScotland Assure RAAC Investigations	<b>AUTHOR:</b>	#024
<b>CHECKED:</b>	#011	<b>APPROVED:</b>	#002

## SUMMARY DETAILS

<b>NHS Board:</b>	Forth Valley	
<b>Site Code:</b>	V102H	
<b>Site Name:</b>	Falkirk Community Hospital	
<b>Block No.:</b>	09	
<b>Block Name:</b>	Surgical	
<b>Inspection Date:</b>	07/11/2023	
<b>Structural Engineers</b>	#011	#024
<b>NHS Estates</b>	Jamie Hill	
<b>Summary Status</b>	RAAC not observed	No Action
<b>Comments</b>	No RAAC was observed within this building and therefore no related action is currently required.	



Figure 1 - Falkirk Community Hospital Surgical Block



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## INTRODUCTION

This report has been prepared to summarise the findings of a visual structural inspection carried out at the property described above. The purpose of the inspection was to establish whether Reinforced Autoclaved Aerated Concrete (RAAC) is present in representative locations and to make observations about the condition of RAAC in those locations. This report is not intended to be an appraisal of the whole structure, nor is it intended to report on structural matters unrelated to RAAC. Should those services be required by NHSScotland Assure then a separate report should be commissioned.

The inspection was conducted from ground level externally and from floor level internally, except where ladders were used to view above suspended ceilings. It should be noted that access was available in a limited number of locations, because the building remained live. Nevertheless, in our opinion sufficient locations were inspected to decide whether RAAC was present or not.

Our report reflects the building and its condition at the time of inspection, however if RAAC becomes wet or is overloaded it will become distressed, and its capacity will reduce. For this reason, the building fabric, including the rainwater goods, must be regularly maintained and access to floors and roof structures should be managed.

The reader may not assume that locations not expressly described in this report are free from defects, damage, and distress. Nor can it be guaranteed that RAAC is not present in locations that were not viewed.

This report is for the exclusive use of NHSScotland Assure and shall not be relied upon by third parties without the permission of WSP expressed in writing.

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## INSPECTION LOCATIONS

The floor plan below shows locations where the roof structure was observed from either the underside of the roof where it was exposed, or within the ceiling void. Only areas positively identified as being free from asbestos were considered for inspection. In addition, several rooms were in use at the time of our visit and were therefore unavailable for inspection. That said, sufficient locations were viewed so that it is reasonable to assume that they are representative of the structure, and an accurate determination can be presented. We therefore do not foresee a need to view additional locations in the building for the purpose of RAAC Discovery.

Please Note: The photo numbered 4 was taken on the roof level and is not specifically shown on the plan below.



Figure 2 - Inspection plan, Ground Floor

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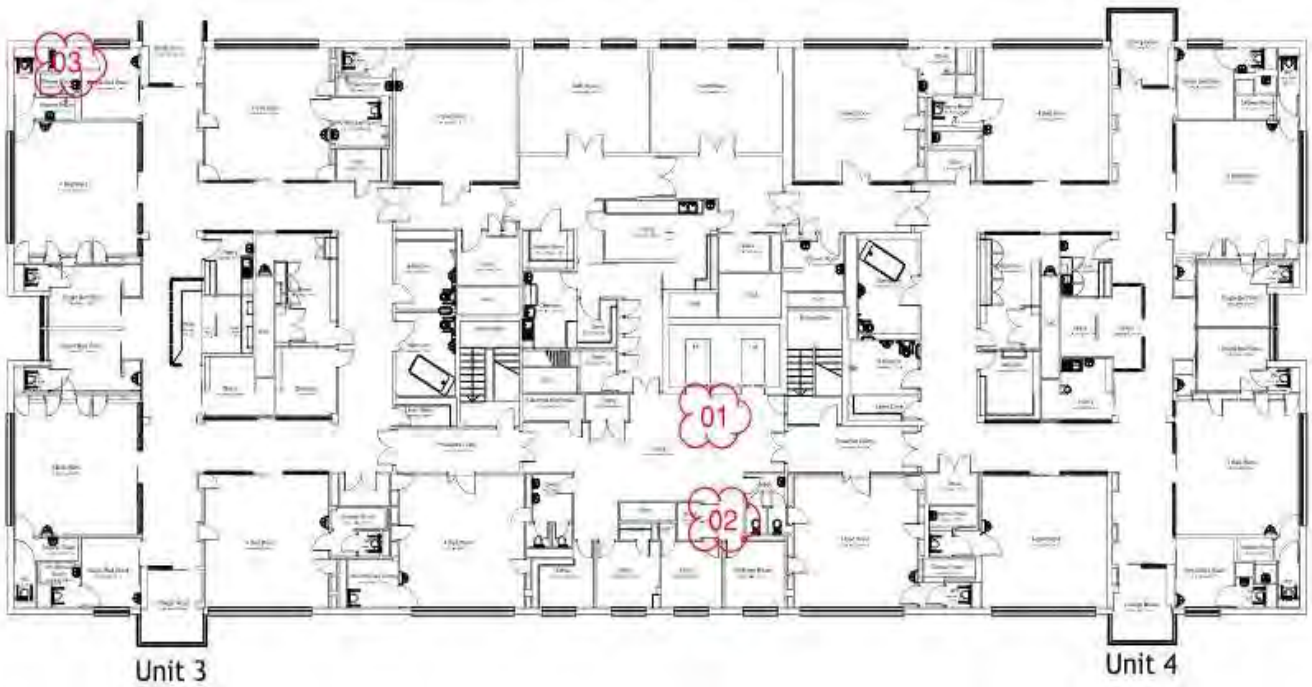


Figure 3 - Inspection plan, 3<sup>rd</sup> floor





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## OBSERVATIONS


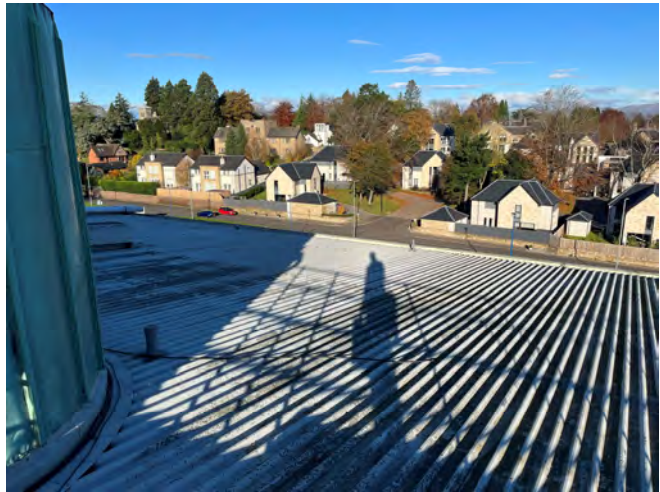
The Surgical department at Falkirk Community Hospital is a four storey, concrete framed structure with external brick façade, copper cladding, and a steel-profile sheet roof.

The table below provides details of the observations that were made:

Location	Comments	Image		
01	<table border="1"> <tr> <td>RAAC not observed</td> <td>No action</td> </tr> </table> <p>Photo taken above ceiling tiles. View is partially obstructed by service infrastructure but reinforced concrete column can be seen. Concrete floor slab was observed, understood to form the roof plantroom projection.</p>	RAAC not observed	No action	
RAAC not observed	No action			
02	<table border="1"> <tr> <td>RAAC not observed</td> <td>No action</td> </tr> </table> <p>View within ceiling void on top floor of Surgical Block, showing underside of profile-steel sheet roofing system.</p>	RAAC not observed	No action	
RAAC not observed	No action			



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Location	Comment	Image		
03	<table border="1"> <tr> <td>RAAC not observed</td> <td>No action</td> </tr> </table> <p>Underside of profile metal roof. Photo taken within ceiling void above WC, at Northwest corner of Surgical Block.</p>	RAAC not observed	No action	
RAAC not observed	No action			
04	<table border="1"> <tr> <td>RAAC not observed</td> <td>No action</td> </tr> </table> <p>Photo taken from roof level gantry, east of the plant room projection, showing profile metal sheet roofing system.</p>	RAAC not observed	No action	
RAAC not observed	No action			

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Location	Comment		Image
05	RAAC not observed	No action	
External facade	RAAC not observed	No action	



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## CONCLUSION

The objective of our inspection was to determine whether RAAC is present within the building, however none was observed in the locations inspected. We are satisfied that the locations we viewed are representative of the construction.