

George Hotel Huddersfield
Floor Removal for Temporary Staircase
Reference 2024-079-FR01
Wall Stability Statement

Prepared by	R.G Williams	Associate Director Structural Engineer
Checked by	J.Lockley	Technical Director and CEM Rail
Approved for issue	J.Lockley	Technical Director and CEM Rail

Nolan Associates	Project				Job Ref.	
	George Hotel				2024-079	
	Section				Sheet no./rev.	
	Floor Removal for Temporary Staircase				FR01-1	
	Calc. by	Date	Chk'd by	Date	App'd by	Date
	RGW	13/07/2026	JL	13/07/26	JL	13/07/26

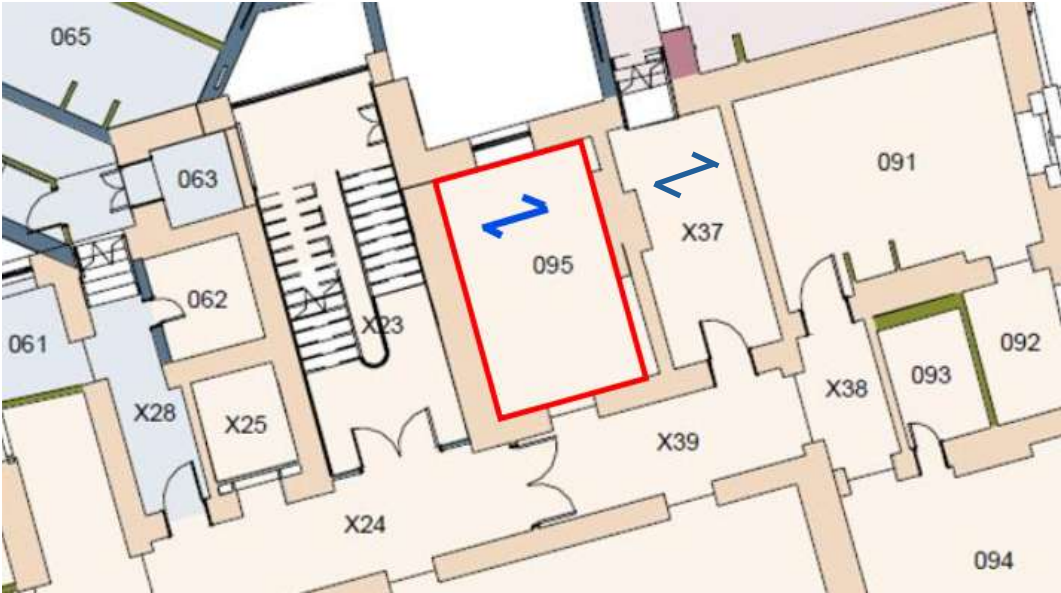
Structural Information

The existing floors are in timber construction and span as shown below. They are supported by the solid masonry walls with one of the walls adjacent to the main stairwell as all down on SK01.

The existing staircase is currently in poor condition and required significant strengthening, as such access to the upper floors cannot be via these stairs. In order therefore to provide safe access to the upper floor a temporary HAKI Stair is proposed which is to be located as shown on SKs 02 to 06,

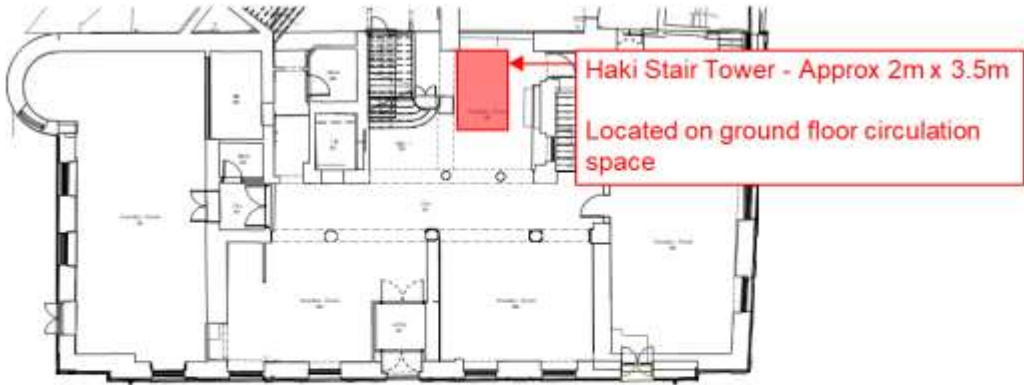
However, the installation of this temporary stair will result in part of the existing floors to be removed (stored for later reuse) would result in a section of the wall adjacent to the existing stairs to have an un-restrained height of circa 13m, obviously unacceptable. Therefore, to alleviate this it is proposed that the HAKI stair is fixed to both walls as shown in SK07, thus providing adequate lateral restraint.

In conclusion, the wall adjacent to the existing staircase will be stable with the HAKI stair tied between both walls.



SK01 – Plan showing floor spans

Nolan Associates	Project				Job Ref.	
	George Hotel				2024-079	
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00 Level 00 - Existing Ground Floor Plan
1 : 100

SK02 – Existing Ground Floor Plan Showing Haki Stair Location



01 Level 01 - Existing First Floor Plan
1 : 100

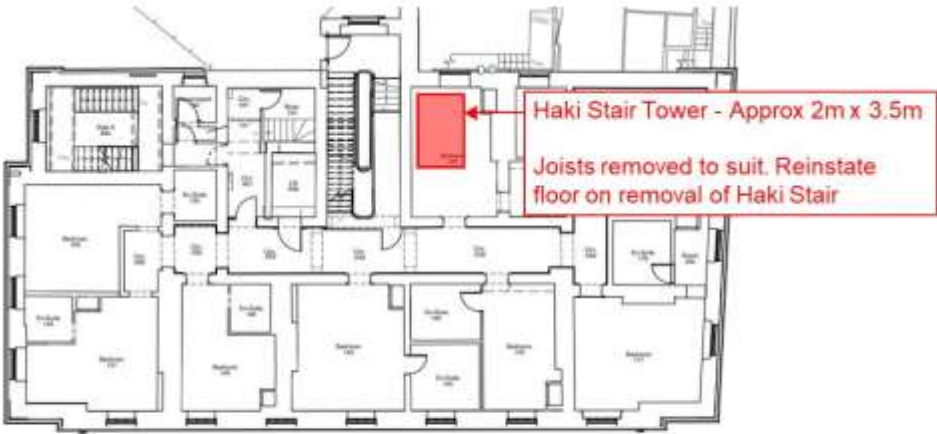
SK03 – Existing First Floor Plan Showing Haki Stair Location

Nolan Associates	Project				Job Ref.	
	George Hotel				2024-079	
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	Floor Removal for Temporary Staircase				FR01-3	
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02 Level 02 - Existing Second Floor Plan
1 : 100

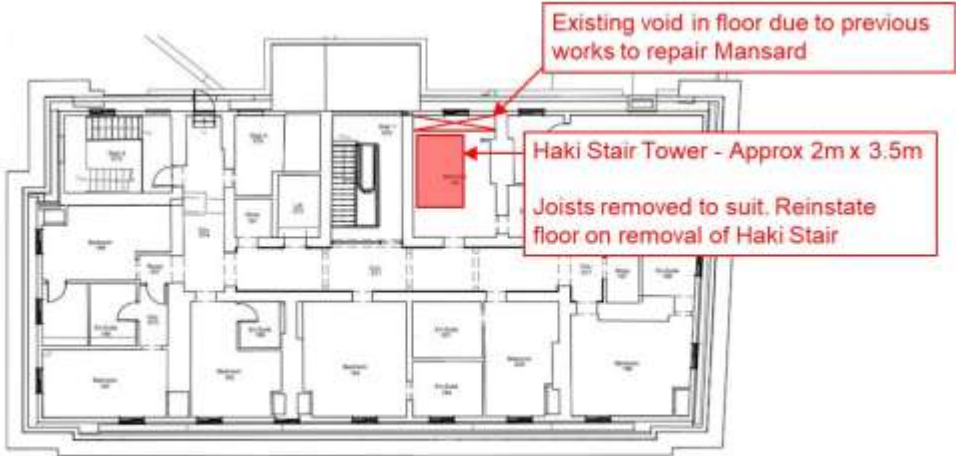
SK04 – Existing Second Floor Plan Showing Haki Stair Location



03 Level 03 - Existing Third Floor Plan
1 : 100

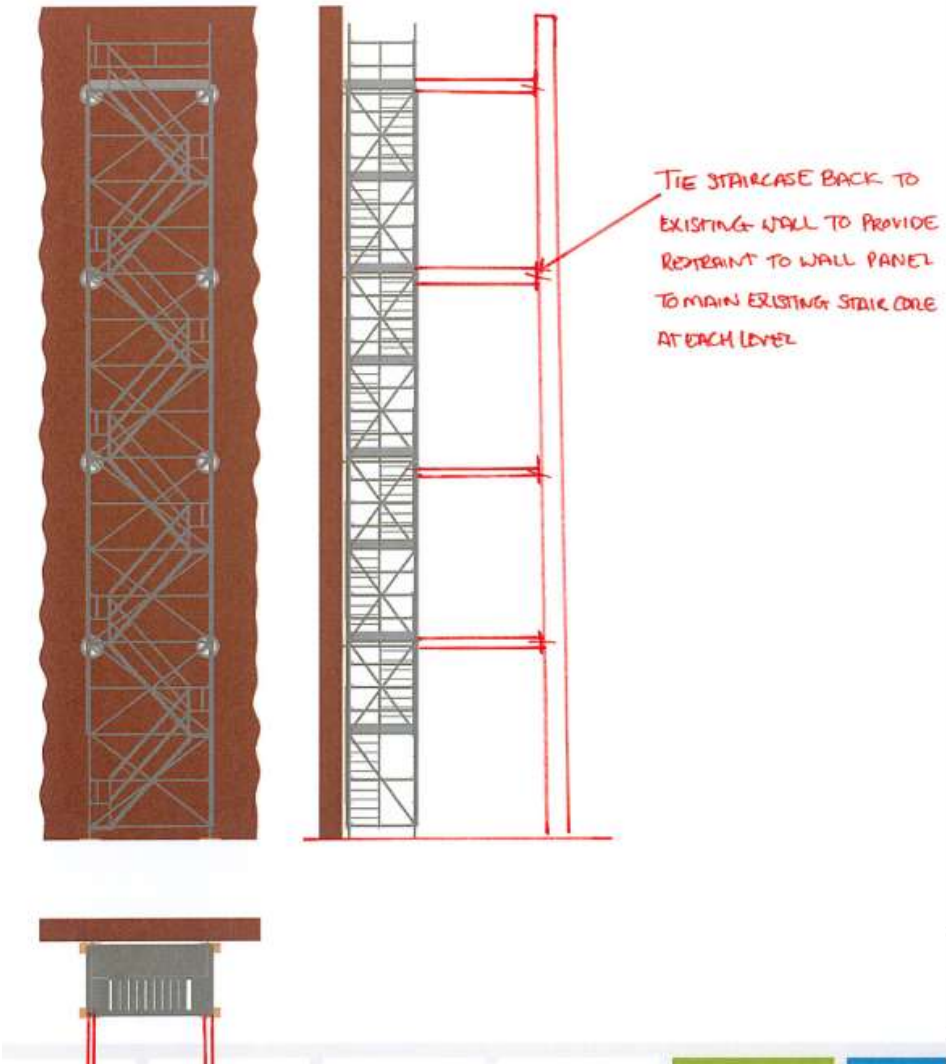
SK05 – Existing Third Floor Plan Showing Haki Stair Location

Nolan Associates	Project				Job Ref.	
	George Hotel				2024-079	
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	Calc. by	Date	Chk'd by	Date	App'd by	Date
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04 - Existing Fourth Floor Plan

SK06 – Existing Fourth Floor Plan Showing Haki Stair Location



SK07 – Haki Stair Drawing and Fixing Proposal