



Robinsons Preservation Ltd.

21st December 2021

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Dear Sirs

Re: Power Room Manchester Science & Industry Museum Manchester

Further to the discovery of Dry rot to the valley beams to the central valley, we carried out an inspection during our visit on Monday 20th December 2021. The following beams were discovered to be affected by decay as follows:-

Between Trusses 9 and 10 Valley Beam South Side

The repairs to the truss end revealed dry rot attack to the bearing end of the valley beam to the south side entering truss 9. Allowances should be made for additional 1/2 repairs as per schedule of repairs



Truss 12 Valley Beam South Side

Rot to both bearing ends of the valley beam entering the truss 12. Additional ½ repair to the valley beam between trusses 11 and 12. The beam between trusses 12 and 13 to be fully replaced (cost neutral) with ½ repair already allowed for valley beam entering truss 13 on south side



Trusses 12 to 13 Valley Beam North Side

Rot to full length of beam. No allowance made previous for repairs. Allowance to full renew beam (additional cost)



Trusses 12 to 13 Valley Beam South Side

Allowances already made for ½ entering the truss 13. Rot discovered the full length of beam between 12 and 13. Allowance should be made to fully renew beam (additional costs)



Trusses 13 to 14 Valley Beam South Side

Rot discovered in both ends of beam. Allowances have already made for repair entering truss 14. Recommend full beam renewed (additional cost)

Trusses 14 to 15 Valley Beam South Side

Rot discovered in both ends of beam. Allowances have already made for repair entering truss 15. Recommend full beam renewed. Cost neutral.



Trusses 16 to 17 Valley Beam North Side

The full length of the beam is affected by wet rot. Allowances should be made for full renewal of the beam (additional cost)



Truss 19 Valley Beam South

Dry rot attack to the bearing end entering truss 19 (between truss 19 and 18). Additional works recommended with ½ repair



Truss 21 North Valley Beam

Signs of surface decay to beam end opposite truss 21. Robinson recommend the surface is de-frassed free from decay to assess if repairs are required



Summary

Robinsons recommend additional repairs are carried out. Some of the ½ repair will be replaced with full beam replacement.

Recommendations

Trusses 7 and 8 north Valley Beam	Full beam
Trusses 9 and 10 Valley Beam South Side	½ lap repair
Trusses 11 to 12 Valley Beam South Side	½ lap repair
Trusses 12 to 13 Valley Beam North Side	Full Beam
Trusses 12 to 13 Valley Beam South Side	Full beam
Trusses 13 to 14 Valley Beam South Side	Full beam
Trusses 14 to 15 Valley Beam South Side	Full beam
Trusses 16 to 17 Valley Beam North Side	Full Beam
Truss 19 Valley Beam South	½ lap repair
Truss 21 North Valley Beam	TBC

I trust this of practical assistance, should you require any further information please do not hesitate to give me a call.

Yours faithfully

Robinson's Preservation Ltd

**Warren Shepherd CSRT
Surveyor**