

Science and Industry Museum, Station Building & 1830 Warehouse - First Floor
DETAILED TIMBER CONDITION INVESTIGATION OF ROOF STRUCTURE
 09 November 2020

Key:

- Area subject to water penetration
- Structurally decayed timber element
- Damp timber element at risk of decay
- RWP Rainwater downpipe
- Timber species sample location
- dmc Deep moisture content of timber
- F1 Photograph location
- Previous structural timber repair
- Internal rainwater gutter

SB 101 107.4m²
SB 102 68.5m²
SB 103B 31.9m²
SB 104 32.4m²
SB 105 external space
SB 106 80.4m²
SB 107 N/A
SB 108 N/A
SB 109 76.0m²

King-post trusses
Queen-post trusses
King-post trusses

Approximate location of birds netting

Parapet gutter boards decayed by wet rot for approximately 4m. 30% dmc

2m of wall plate decayed in the upper 50% of its section and 3 no. rafters decayed up to 200mm from their bearing ends. Decay caused by wet rot. 40% dmc

Parapet gutter boards decayed by wet rot for approximately 1m. 20% dmc