

CARMODY GROARKE

Power Hall and
Decarbonisation

Science and Industry
Museum

26 June 2023

Schedule of Works - Package 4

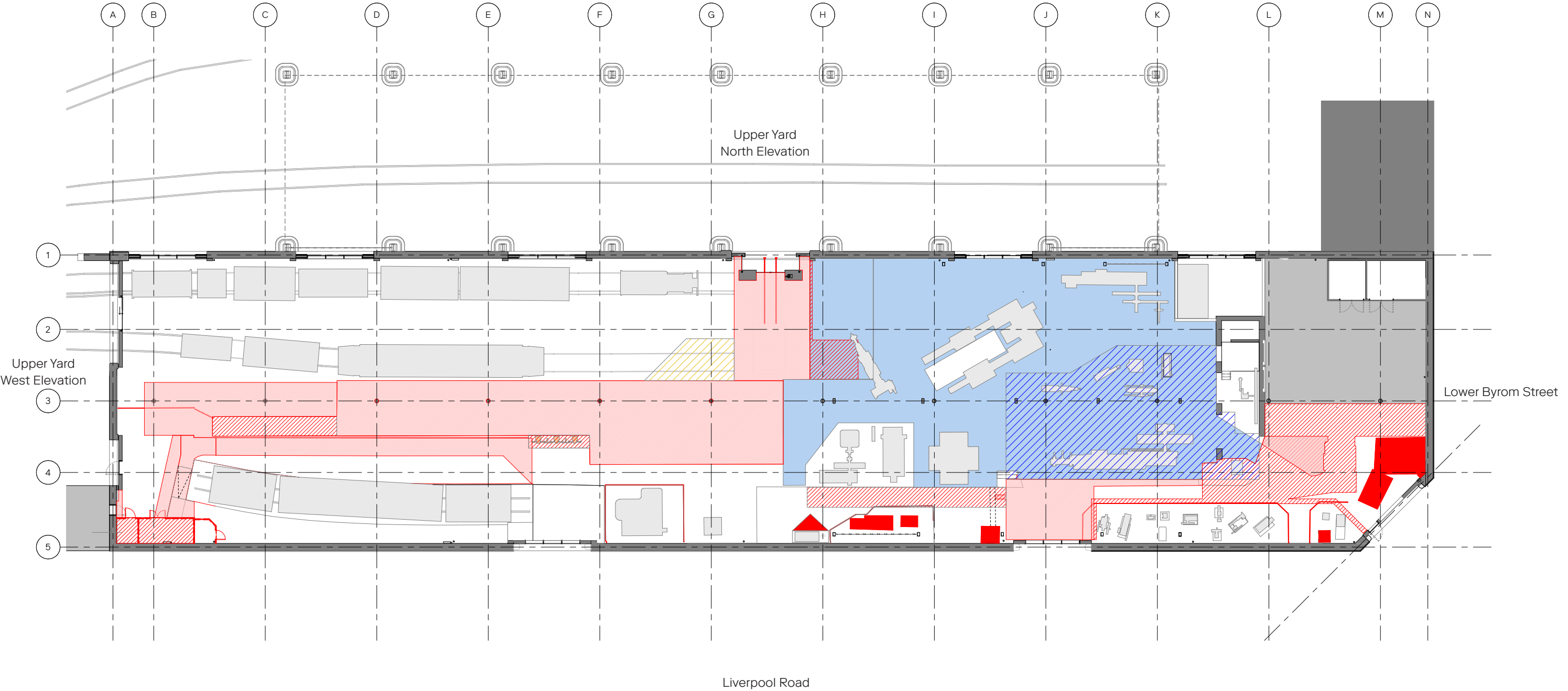
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This document is intended to be read in conjunction with the following documents which form part of the submission: Application drawings, Design and Access Statement, Heritage Impact Assessment, M&E report and structural report.

1 Demolition

Demolition Plan

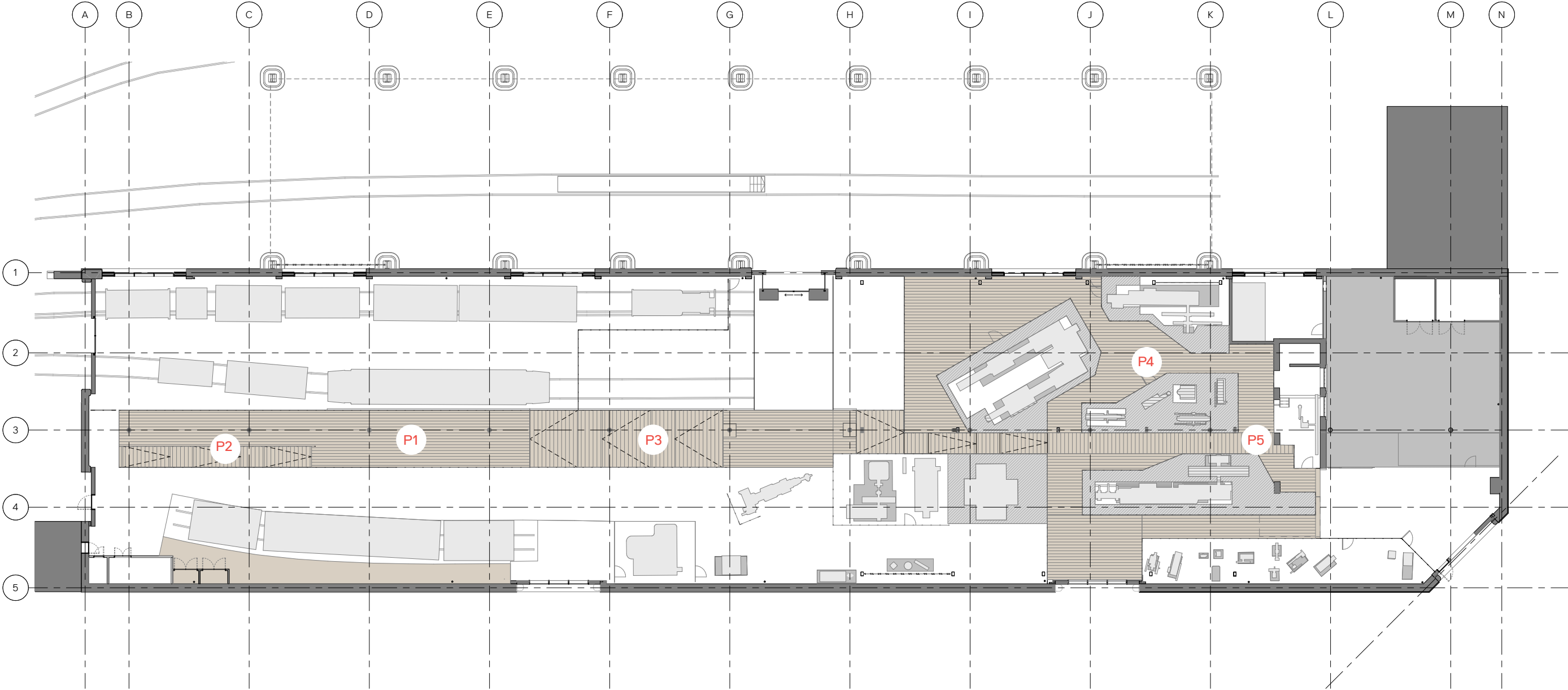


2 Platform (P)

Platform (P)

Photo Reference	Description of Works
Platform (P)	
P1	Demolition Existing timber platform floorboards and joists will be carefully removed Proposed Timber joists and floorboards will be subsequently reinstated. Historic floorboards will be sanded and decorated.
P2	Demolition Existing timber platform floorboards and joists will be carefully removed Proposed Ramp constructed with new timber joists and with historic timber floorboards above. Historic floorboards will be sanded and decorated.
P3	Demolition Existing timber platform floorboards and joists will be carefully removed Proposed Ramp constructed with new timber joists and new timber floorboards above. New timber floorboards are required in this location because they must sit on top of a plywood substructure. The joists are spaced at wider centres due to services below and the plywood substructure provides the additional support required to meet the 4KN loading requirement.
P4, 5 & 6	Demolition Removal of original 1980s platform including surface finishes, joists and railings. Proposed New timber platform to be re-built - constructed with new timber joists and timber floorboards Supporting blockwork walls will be retained and re-used where the possible.

Platform (P)



Platform (P)



P1



P2



West Platform Historic Floorboards



P4



P5



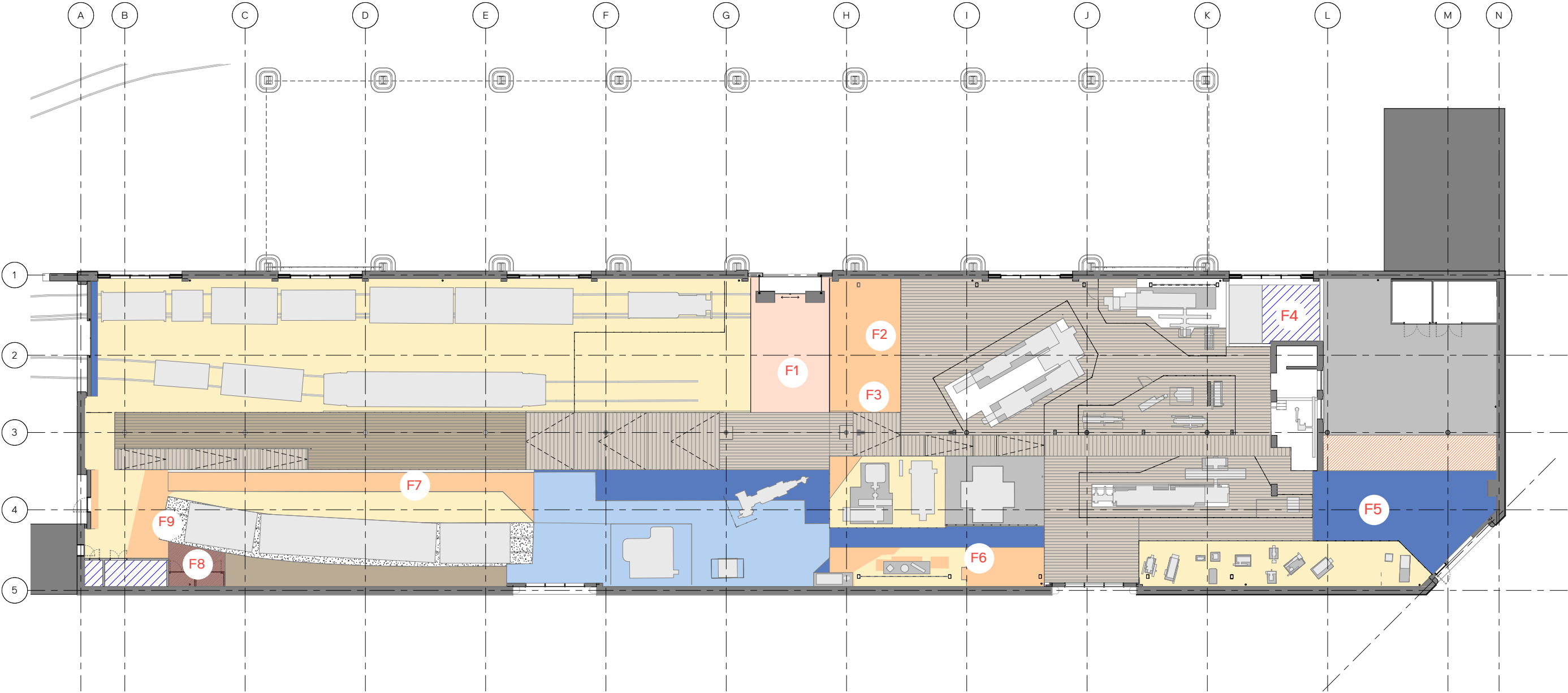
East Platform Sub Structure

3 Floor Finishes (F)

Floor Finishes (F)

Floor Finishes (F)	
F1	Demolition Local removal of existing cobbles in front of entrance Proposed Re-instatement of new / salvaged cobbles in order to make connection between main entrance and platform fully accessible
F2	Proposed Reinstatement of existing Powerhall cobbles to area adjacent to entrance
F3	Demolition Partial Removal of concrete plinth
F4	Proposed Making good of concrete floor around Lancashire boiler (between gridlines K-L & 1-2). Finish with masonry paint
F5	Demolition Local removal of cobbles by W.04 (existing floor surfaces comprises patches of cobbles & concrete flooring) Proposed New accessible concrete flooring in this location
F6	Demolition Area of existing concrete flooring removed between gridlines E-H & 4-5 Proposed Relocation of existing Powerhall cobbles to this area
F7	Demolition Area of existing concrete flooring removed between gridlines B-F & 3-4 Proposed Relocation of existing Powerhall cobbles to this area
F8	Demolition Small area of existing timber platform in order to accommodate new storage enclosure located in south west corner of Powerhall Proposed Construction of new timber platform under storage enclosure.
F9	Demolition Removal of existing ballast to base of Beyer Garrett between gridlines B-F & 4-5 Proposed Replacement of ballast with new ballast

Floor Finishes (F)



Key

	FF.08 _New Concrete (post-worked finish)		Collection item plinth
	Existing Concrete (post-worked finish)		New Gravel / Ballast
	Existing Cobbles		FF.01 _Timber Platform (Existing Timber)
	FF.06 _Reinstated / Relocated Cobbles		FF.02 + FF.03 Timber Platform & Ramp
	New Cobbles * same build up as FF.06		FF.05 _Timber Platform
	FF.09 _Plant Room Platform Finish		Applied finish to concrete

Floor Finishes (F)



F1



F2



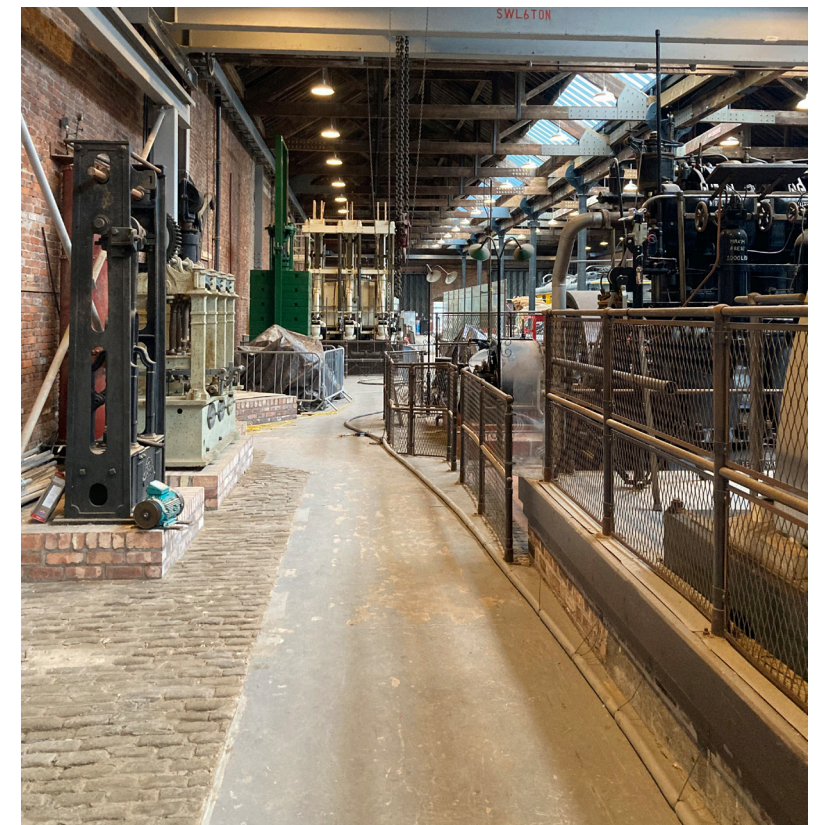
F3



F4



F5



F6

Floor Finishes (F)



F7



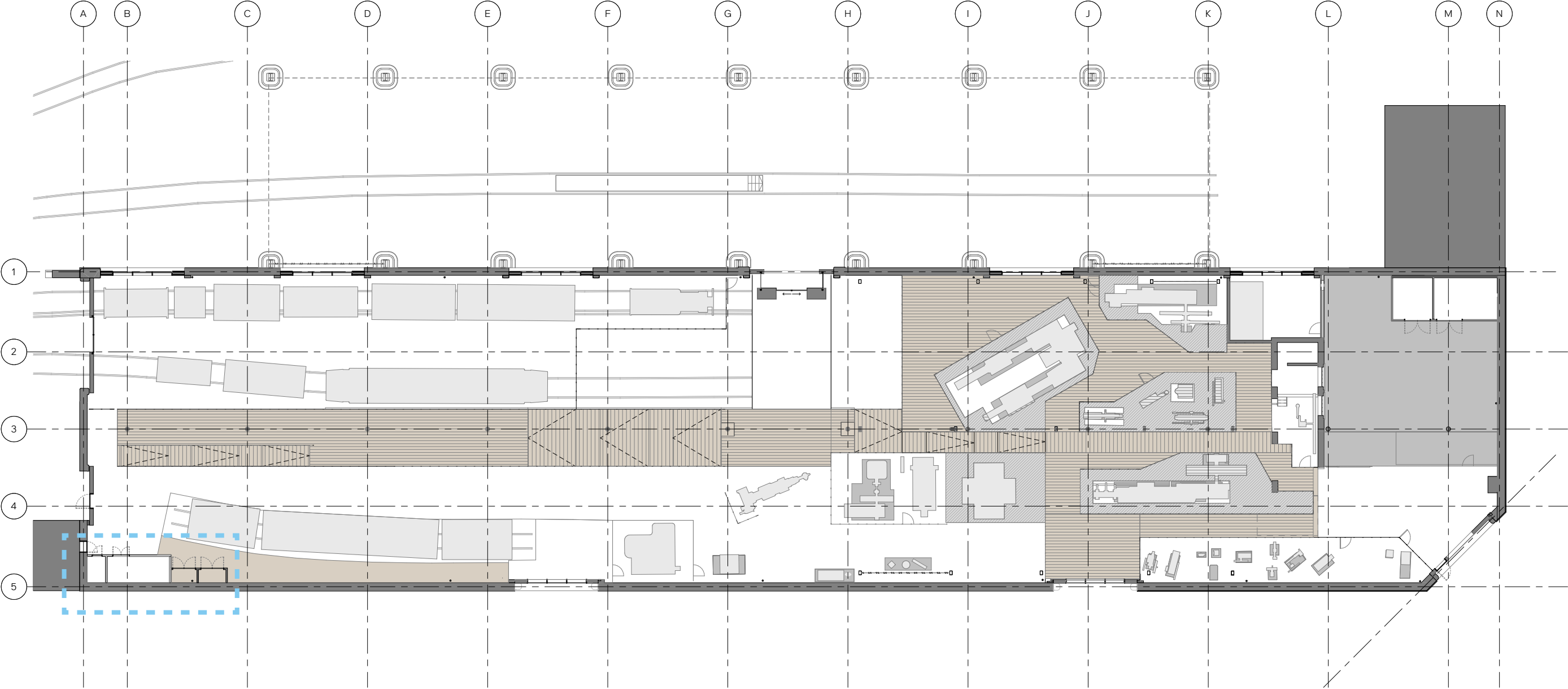
F8



F9

4 South Plant Enclosure (SP)

South Plant Enclosures (SP)



South Plant Enclosure (SP)	
SP1-3	Demolition Demolition of existing timber structure & breaking out of existing concrete slab to accommodate penetration of new services Proposed Re-construction of new concrete slab, new blockwork walls and timber roof enclosure with flush timber door. Both walls and ceiling are to achieve a 60 minute fire compartmentation. New heating nozzles and lighting to south plant enclosure.

South Plant Enclosure (SP)



SP1



SP2



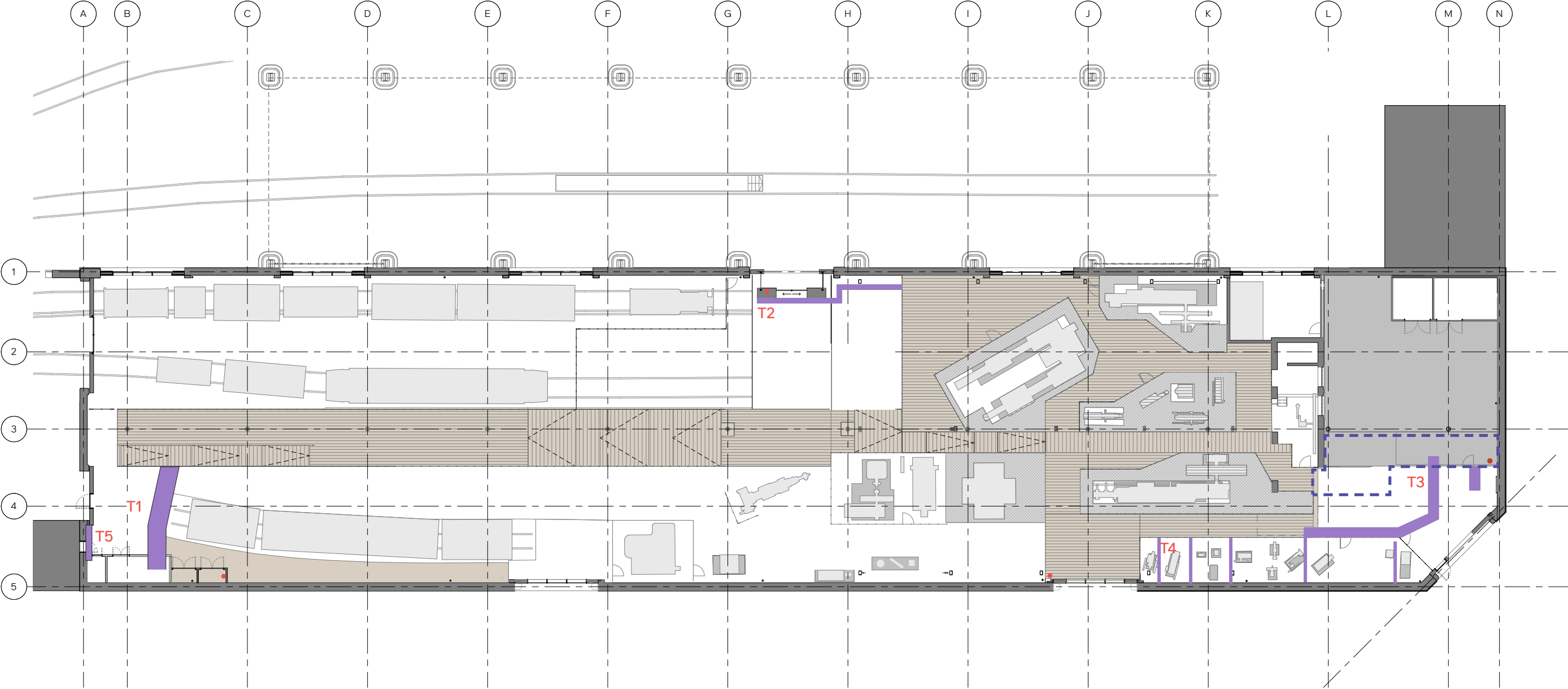
SP3

5 Trenches (T)

Trenches (T)

Trenches (T)	
T1	Demolition Local removal of existing cobbles & substrate Proposed New trench for services - reinstatement of existing cobbles in line with main contractors method statement.
T2	Demolition Local removal of existing cobbles & substrate Proposed New trench for services to main entrance and East platform. Reinstatement of existing cobbles in line with main contractor method statement.
T3	Demolition Local removal of existing cobbles & substrate + areas of concrete flooring Proposed New trench for new condensate pipework. Reinstatement of existing cobbles in line with main contractor method statement.
T4	Demolition Local removal of existing cobbles & substrate + areas of concrete flooring Proposed New trench for distribution of small power and data and electrical supply for Historic Working Machinery. Reinstatement of existing cobbles in line with main contractor method statement.
T5	Demolition Local removal of existing cobbles & substrate Proposed New trench for existing gas and domestic cold water pipe diversion

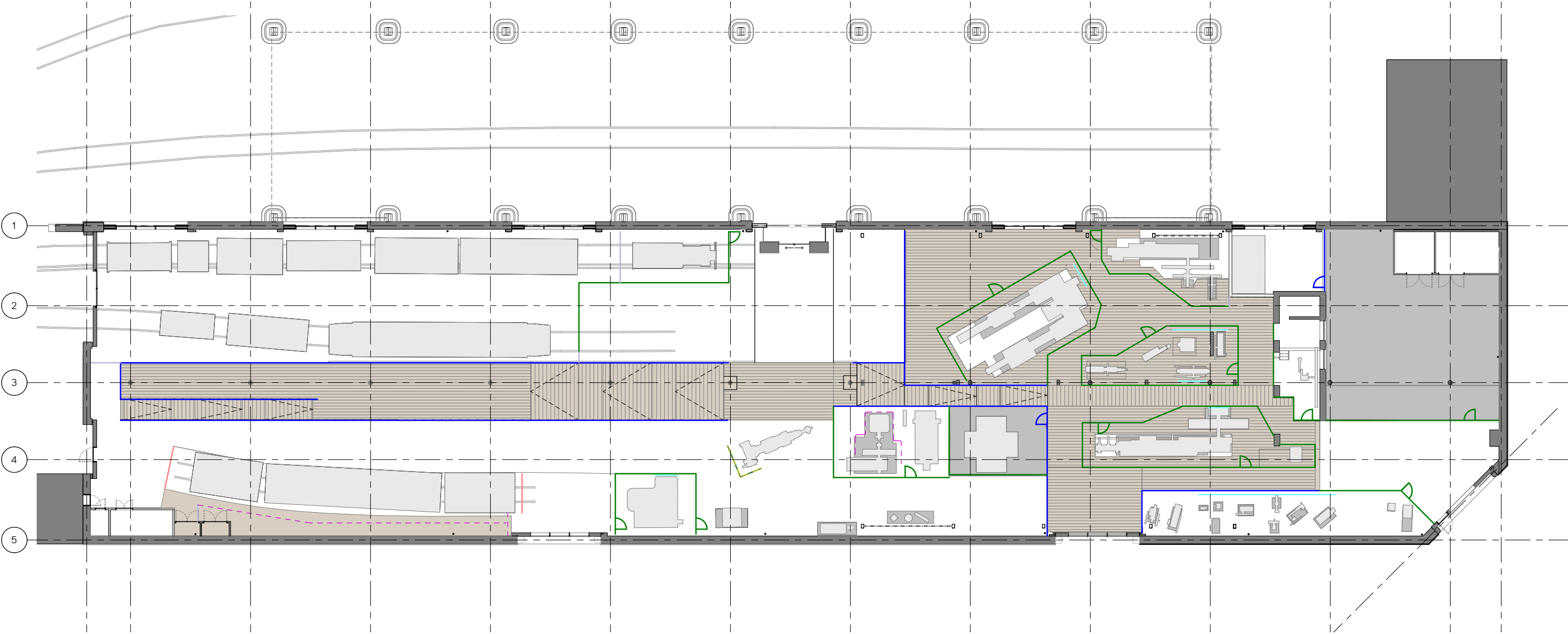
Trenches (T)



- Location of proposed trenches
- Other builder's work
- Capped services

6 Balustrades (BAL)

Proposed Balustrades (BAL)



Key

- Existing Structure
- Type 1 - Balustrade greater than 1100mm (typically fixed to structure of platform / ramp edge)
- Type 2 - Balustrade 1000mm high (typically fixed down to floor)
- Type 4 - Protective screen to historic working machines
- Existing Balustrade
- Low level metal chain & posts
- Tensile wire between steel posts

Balustrades	
BAL 1-5	Demolition Removal of existing balustrades within Powerhall Proposed Installation of new balustrades to West and East platform

Existing Balustrades (BAL)



BAL 1



BAL 2



BAL 3



BAL 4



BAL 5

7 Internal Fabric Repairs (FR)

Internal Fabric Repairs (FR)



FR1



FR2

Note : All additional fabric repairs will be carried out in accordance with specification approved as part of the PP 131488/FO/2021 & LBC 131489/LO/2021

Fabric Repairs (FR)	
FR1	Proposed Local repair of brickwork adjacent to Large Railway Aperture on west façade
FR2	Proposed Local repair of brickwork adjacent to W.04 on east facade