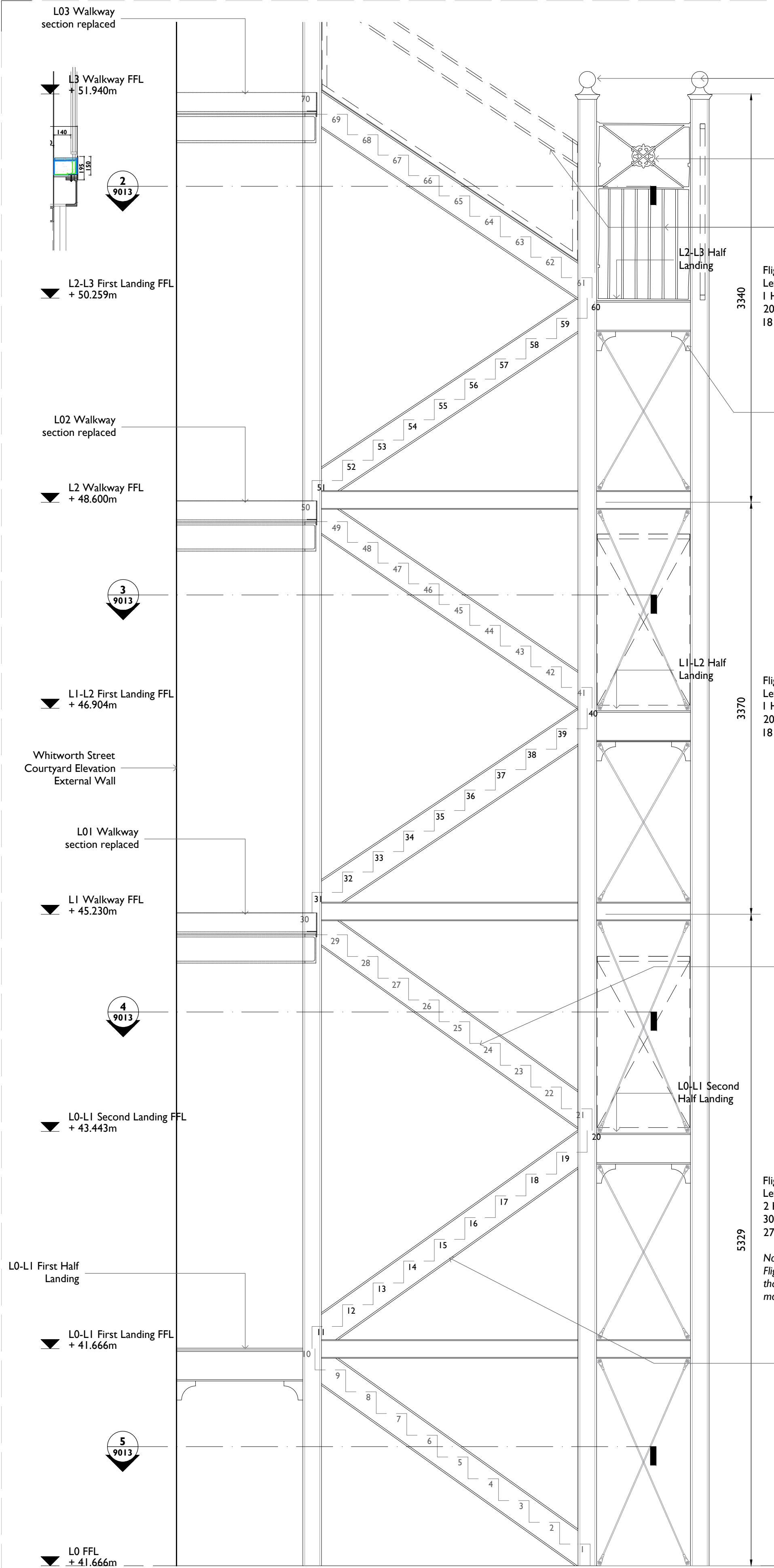




1 STAIR SECTION AA
9014 1:25 @ AI

Existing cast iron finial balls reinstated on new posts

Decorative upper sections to landing guard rails to be removed and reinstated within in new mild steel frames to new stair.

Lower sections of guard rails, and guarding/handrails to all stair flights to be replaced with new to match the existing pattern.

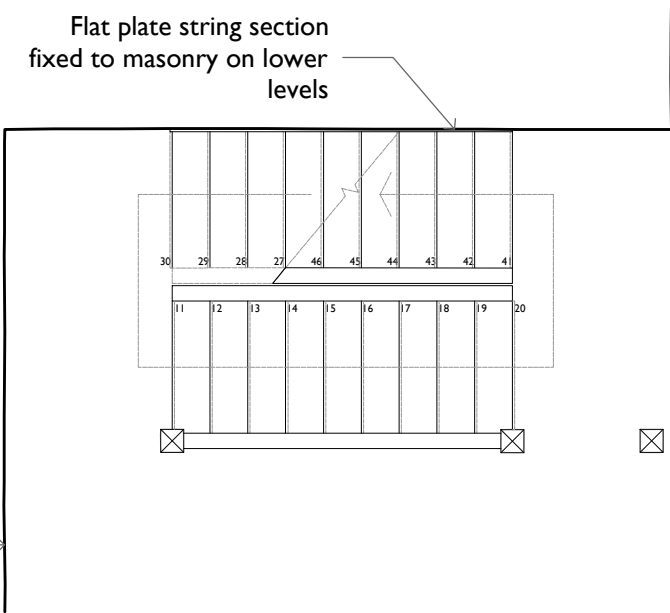
Flight 03
Level 2 - Level 3
1 Half Landing
20 Risers @ 167mm
18 Goings @ 250mm

Whitworth Street Courtyard Elevation External Wall

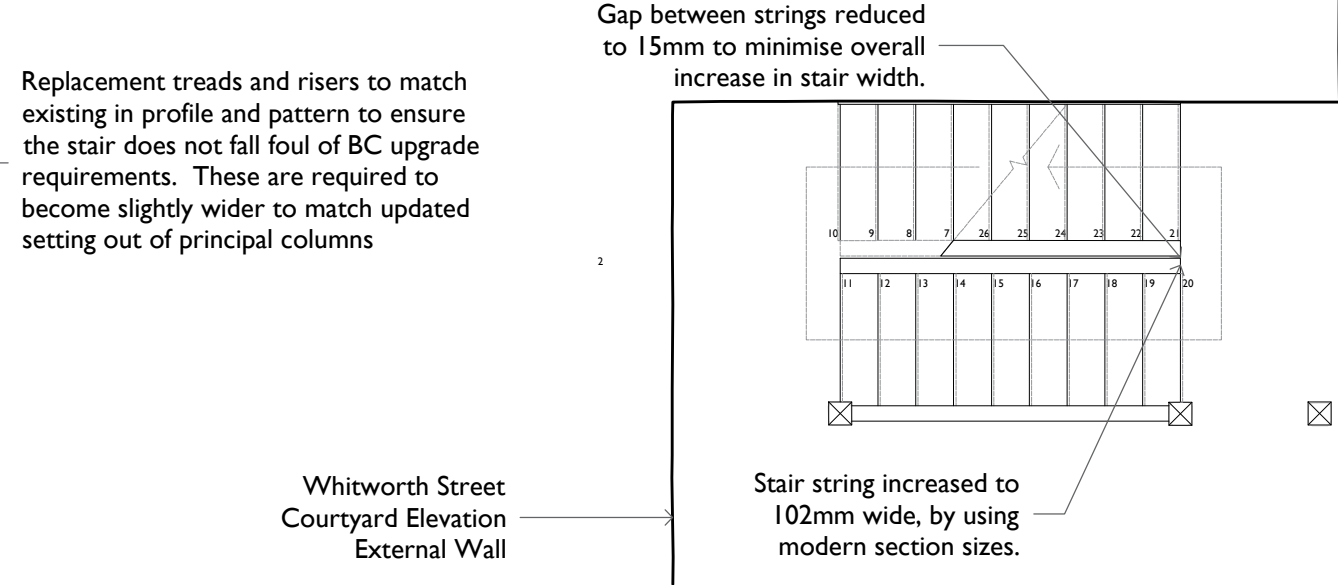
Gallows brackets to be replaced with new to match profile of existing

New columns C4, 5 & 6 bear onto terrace wall at 2nd floor level. Setting out is slightly adjusted such that columns fully bear onto masonry, rather than overhanging. This will correct structural issue with existing stair.

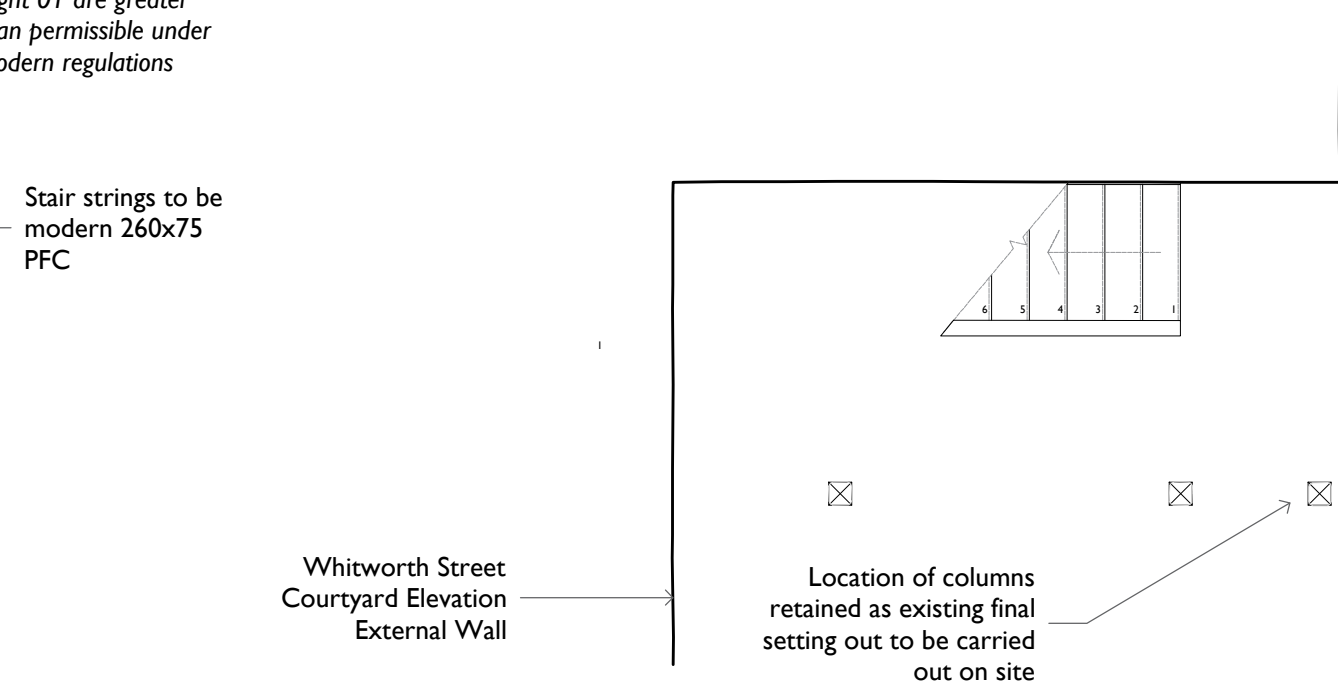
2 STAIR PLAN L2-3
9014 1:25 @ AI



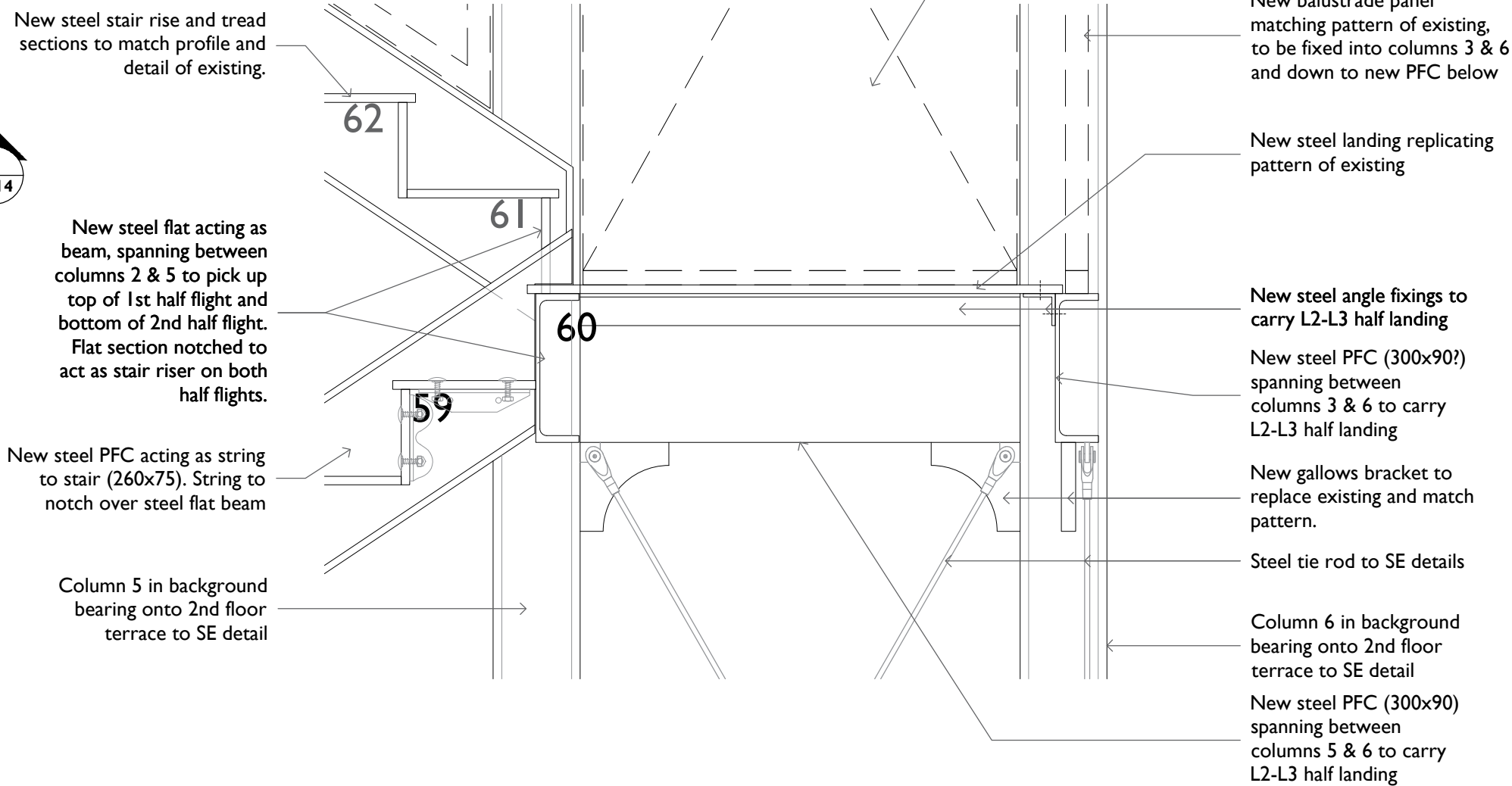
3 STAIR PLAN LI-2
9014 1:25 @ AI



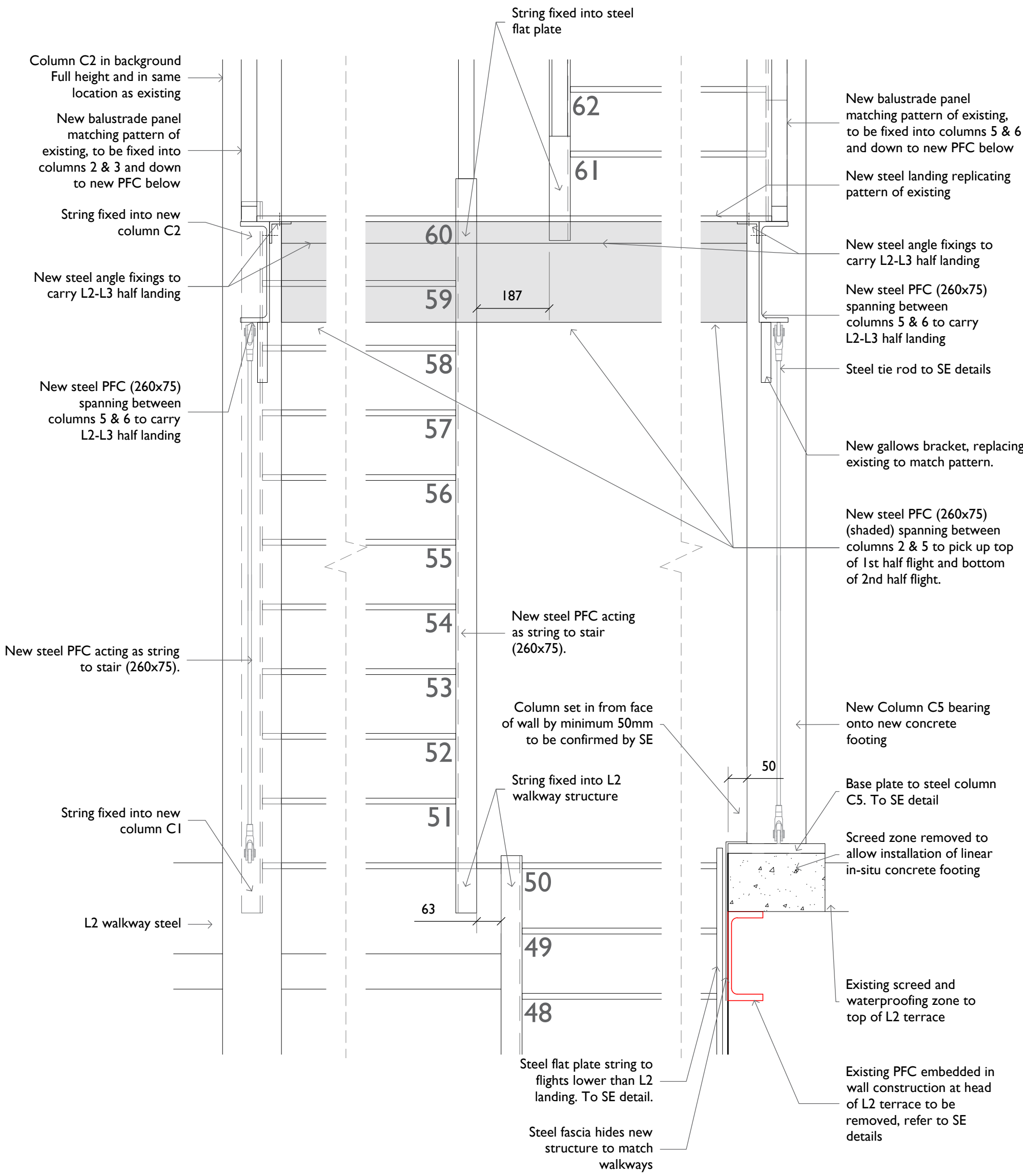
4 STAIR PLAN L0-I
9014 1:25 @ AI



5 STAIR PLAN L0
9014 1:25 @ AI



6 SECTION THROUGH L2-3 HALF LANDING
9014 1:25 @ AI



7 SECTION THROUGH L2-3 HALF LANDING
9014 1:25 @ AI

Notes: 03/02/2023 15:45:16

Drawings are based on survey data and may not accurately represent what is physically present.

Do not scale from this drawing. All dimensions are to be verified on site before proceeding with the work.

All dimensions are in millimeters unless noted otherwise.

Purcell shall be notified in writing of any discrepancies.

Key Plan
not to scale

Cast Iron Stair Replacement

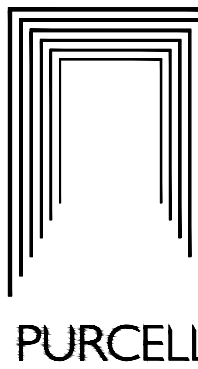
The Principle of this option is to protect the existing, already formed stairwell, by bearing the northern principal columns (C3, 4 & 5) on the 2nd floor terrace wall (as per existing arrangement with slightly structurally improved setting out).

We are proposing modern PFC string sections as the flange overhang will be too great if using UB's. We proposed using 260x75 PFCs for the strings. This is approx 50% wider across the flange than the existing strings. In order to keep the overall stair width, the lower flights are required to move closer together than the existing arrangement and move further apart above the L2 terrace level.

This option will require either a concrete upstand or steel flat plate to be installed on the 2nd floor terrace wall. We have currently drawn the concrete upstand - to be advised by SE.

REV	DATE	BY	CHK	DESCRIPTION
P01	28/09/2022	DC	DC	First Issue
P02	01/12/2022	DC	DC	First Issue
P03	02/12/2022	DC	DC	First Issue
P04	03/02/2023	DC	DC	First Issue

CLIENT	ALLIED LONDON
PROJECT	LONDON ROAD FIRE STATION
JOB NUMBER	240242



TITLE	Cast Iron Staircase Replacement Option 02
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SIZE	SCALE	LAST REVISED	DRAWN	CHECKED
A1L		03/02/2023	DC	DC

REV	SUITABILITY/REASON FOR ISSUE
P04	S4 - Planning

DRAWING NAME	240242-PUR-00-XX-DR-A-9014
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