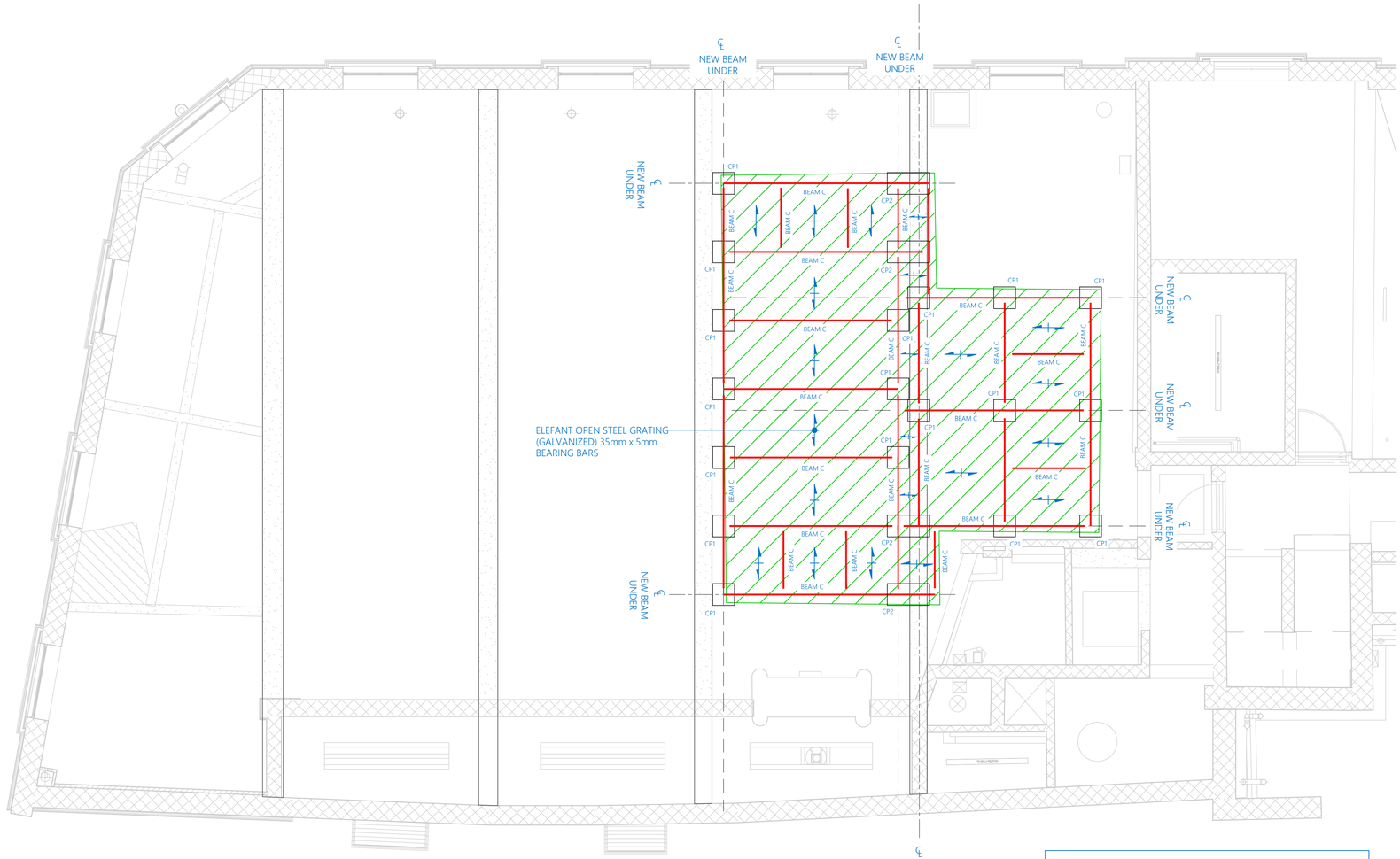


N

0 500mm 1M 2M

1:50

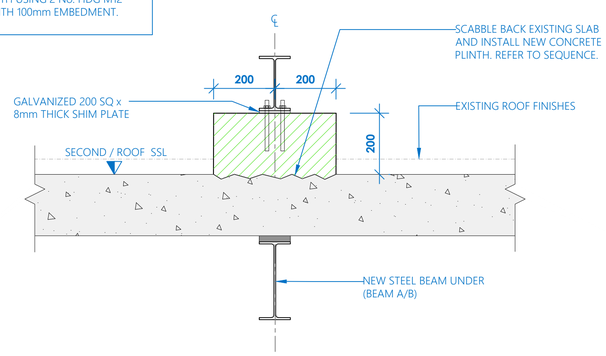
KEY:

- DENOTES APPROXIMATE EXTENT OF NEW ROOF PLANT ENCLOSURE. NEW LOAD ABOVE ROOF NOT TO EXCEED 4.5 kN/m² (INCLUDING DECK & ACOUSTIC PERIMETER LOUVRES).
- BEAM C — 178x102x19UB - GALVANIZED (R =1 0 kN)
- NEW ROOF GRILLAGE STEEL WORK
- CP1 — NEW CONCRETE PLINTH
- CP2 — NEW CONCRETE PLINTH (MERGED TOGETHER)
- NEW STEEL BEAM BENEATH

NOTE:
AN ALLOWANCE FOR A 2.6m HIGH ACOUSTIC SCREEN (75% SOLIDITY) HAS BEEN ALLOWED FOR AROUND FULL PERIMETER OF PLANT DECK. SCREEN TO BE FIXED DIRECTLY TO BEAM C WITH MOMENT CAPACITY OF 7.5 kNm. SUPPORT POSTS FOR ACOUSTIC SCREEN TO BE LOCATED ONLY AT BEAM ENDS, NOT MID-SPAN.

SEQUENCE:

1. LOCALLY REMOVE ROOF FINISHES.
2. LIGHTLY SCABBLE TOP SURFACE OF ROOF SLAB AT NEW PLINTH LOCATIONS.
3. FORM NEW CONCRETE PLINTH USING C30/35 NORMAL WEIGHT CONCRETE.
4. MAKE GOOD ROOF WATERPROOFING (TO ARCHITECTS DETAILS & FINISHES).
5. FIX NEW GALVANIZED BEAM TO TOP OF PLINTH USING 2 No. HDG M12 THREADED RODS AND HILTI HIT-HY 200-A WITH 100mm EMBEDMENT.



TYPICAL PLINTH / STEEL BEAM DETAIL

1:10

P01	17/09/2026	RIBA Stage 3 Issue	S.K.
Status	Date	Description	By

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MOSAIC
CIVIL & STRUCTURAL ENGINEERS

76 beckenham road | london | br3 4rh

Client: PPR ESTATES

Project: 8 THE BROADWAY, CROUCH END - LONDON

Title: EXISTING ROOF GA SHOWING NEW STRUCTURAL MODIFICATIONS

Status: RIBA STAGE 3

Designed By: J.P.	Checked By: A.B.	Mosaic Ref.: 25125	
Drawn By: S.K.	Date: AUG 26	Scales: 1:50 @ A1 U.N.O.	

Project Ref. - Originator - Volume - Level - Type - Role - Drawing Number: 25125-MOS-XX-02-DR-S-1200

Revision: P01