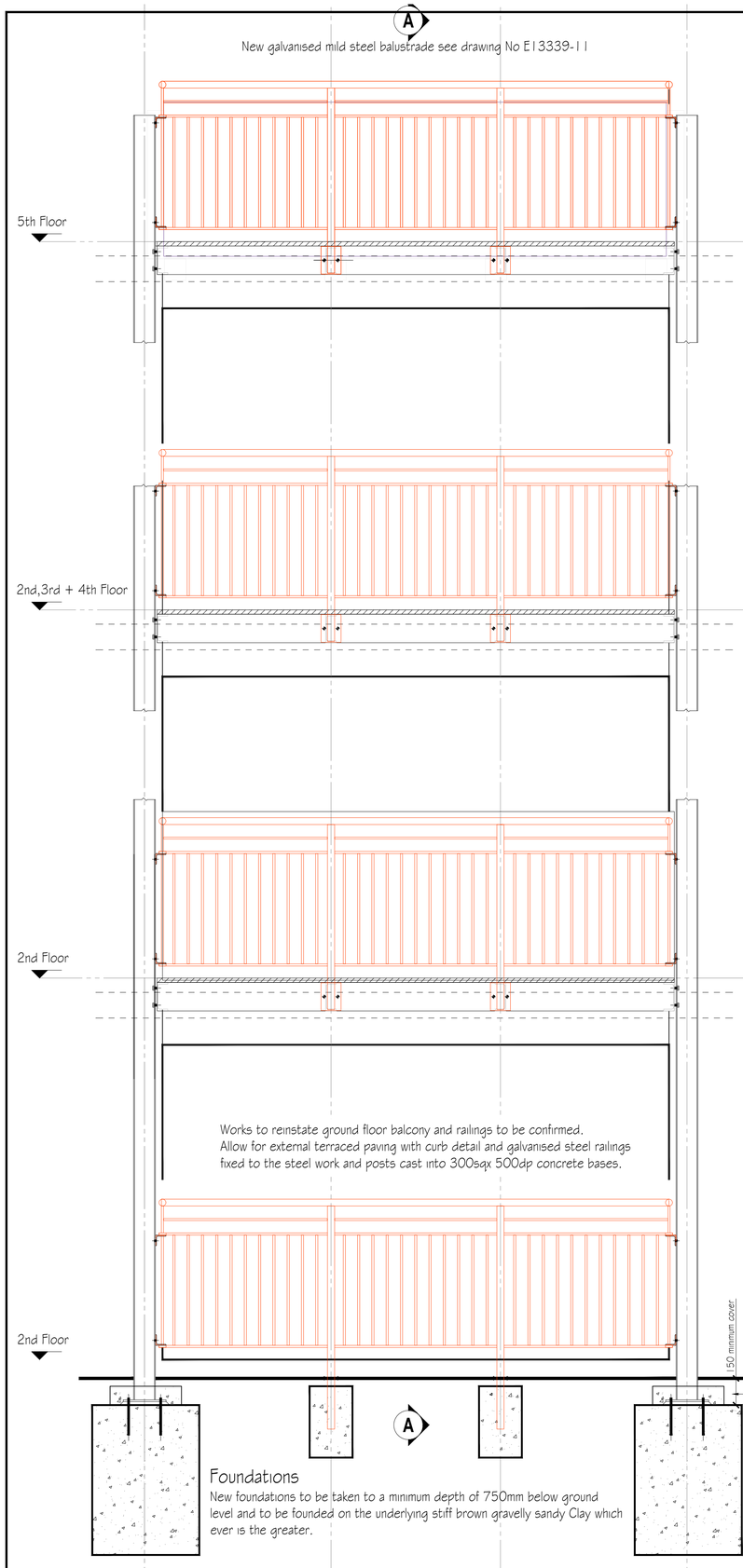
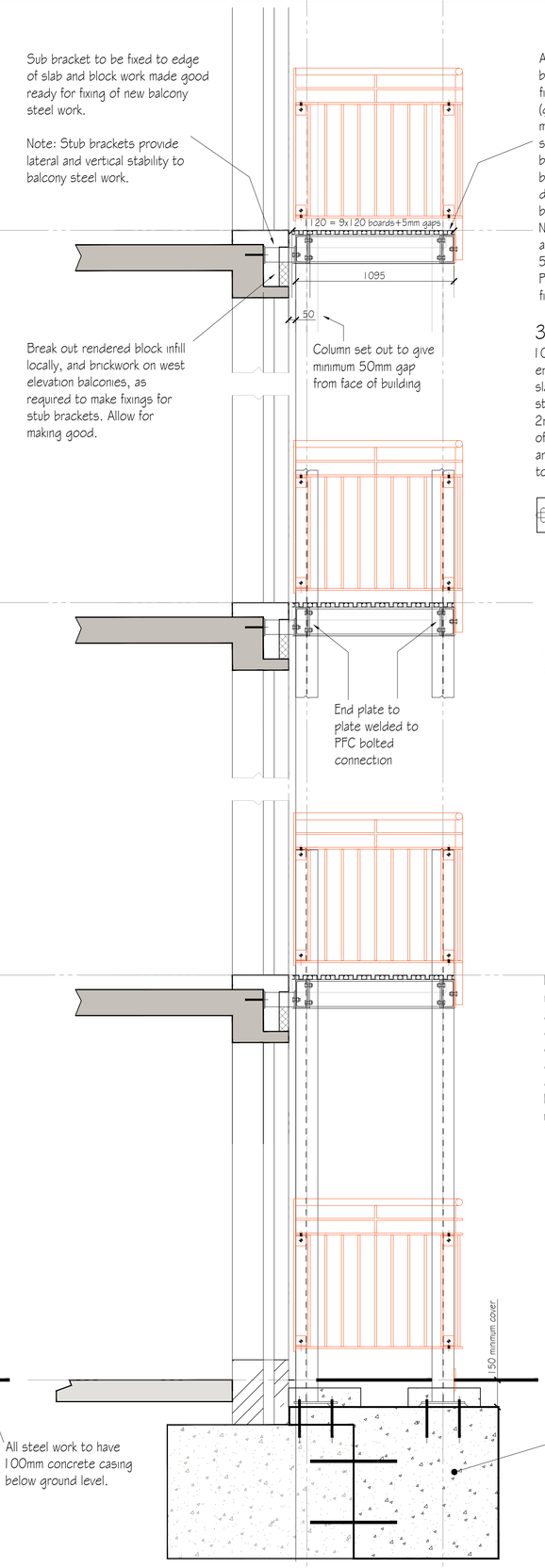


Foundations

New foundations to be taken to a minimum depth of 750mm below ground level and to be founded on the underlying stiff brown gravelly sandy Clay which ever is the greater.

ELEVATION OF REPLACEMENT BALCONY



SECTION A - A REPLACEMENT BALCONY

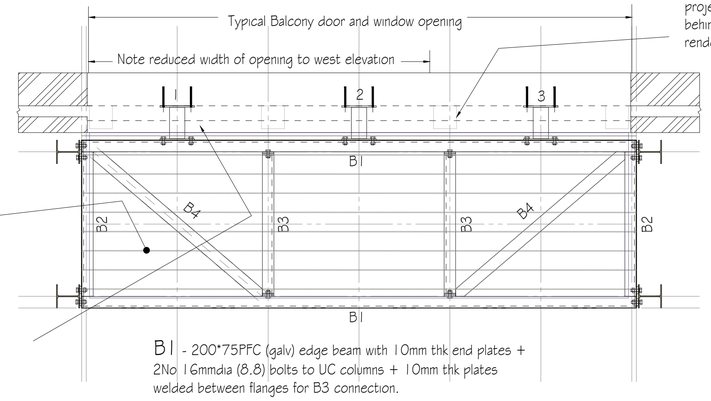
AliDeck Senior Balcony Flat Deck boards 120mm wide * 30mm deep fixed to top of steel work using M8 (galv) bolts in accordance with the manufacturers details and specification. Leave 5mm between boards Senior Drainage channels between boards to provide finished deck which drains to the end of the boards.
Note: Steel work to be set out to accommodate 9 x 120 boards with 5mm gap between boards.
Provide predrilled holes for M8 fixing bolts prior to galvanizing

3No Sub Brackets -

100*100*5 SHS(galv) + 10mm thk end plate bolted to edge of concrete slab using 2No 16mm dia stainless steel resin bolts 150 embedmt + 2no 16mm dia (8.8) bolts to flange of PFC. Allow for slotted holes for and steel shims for horizontal tolerance and column verticality.



Vertical slotted holes in stub bracket + horizontal slotted holes in PFC



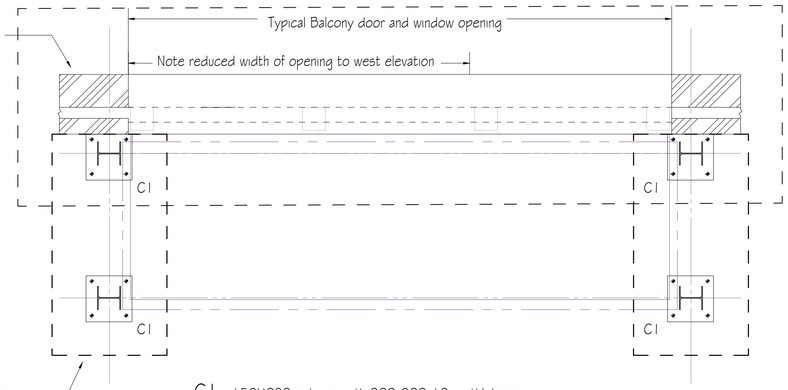
B1 - 200*75PFC (galv) edge beam with 10mm thk end plates + 2No 16mmdia (8.8) bolts to UC columns + 10mm thk plates welded between flanges for B3 connection.

B2 - 200*75PFC (galv) edge beam + 2No 16mmdia (8.8) bolts to UC columns

B3 - 200*75PFC (galv) cross beam with 10mm thk end plates + 2No 16mmdia (8.8) bolts to B1.

B4 - 75*75*8 (galv) diagonal brace + 1No 16mmdia (8.8) bolts to B1.

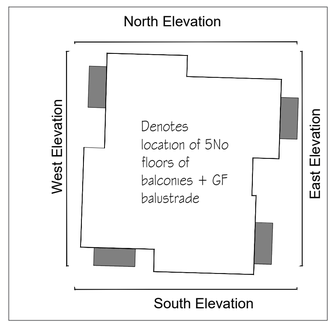
TYPICAL BALCONY PLAN SHOWING NEW STEEL WORK



C1 - 152UC23 columns with 300x300x12mm thk base plates + 4no 16mm dia resin bolts to concrete foundation.

TYPICAL BALCONY PLAN SHOWING FOUNDATION TO BALCONY COLUMNS

Denotes 750x750 FND2 mass concrete pad foundation. Allow for minimum of 750mm deep footing. Footing to be cast against existing and doweled using 4No 16mm dia*600mm long bars resin bonded to existing and cast into new





Scale 1:20

No	Amendment	Date
-		

Replacement Balcony Structure

Southwick Estate
Sea House

Adur District Council

Date	Scale	Drawn	Checked	Drawing No	Rev
November 2024	As Shown	mp	x	E13339-10	-

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