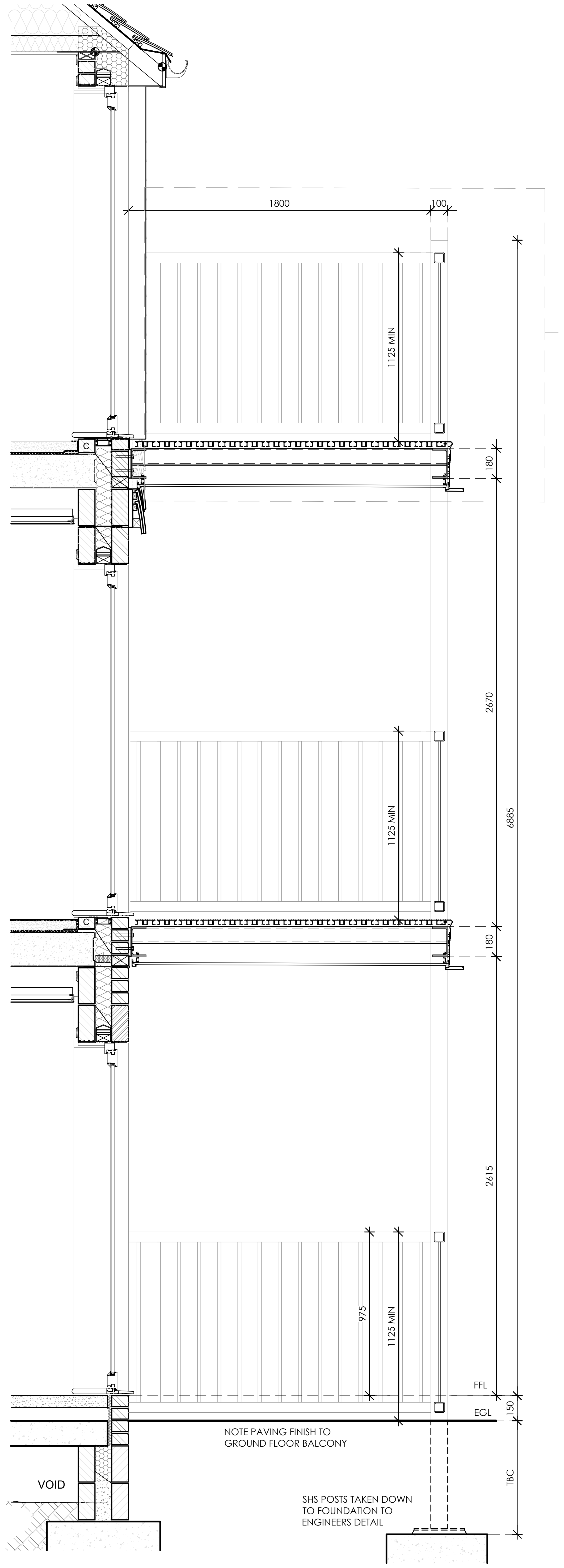
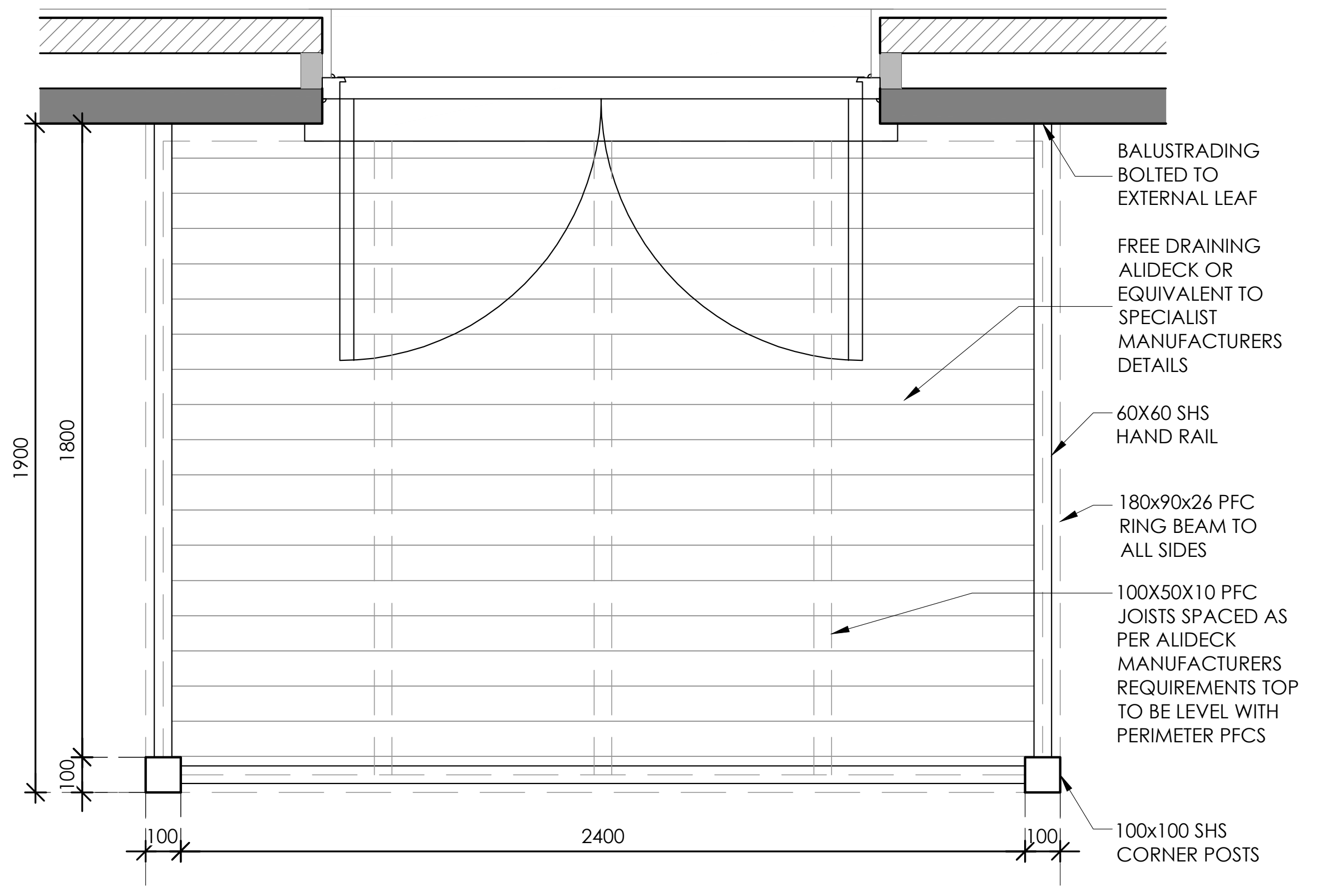

1800
100
1125 MIN
180
2670
6885
2615
975
C
FFL
EGL
150
TBC
NOTE PAVING FINISH TO GROUND FLOOR BALCONY
VOID
SHS POSTS TAKEN DOWN TO FOUNDATION TO ENGINEERS DETAIL

Steel balcony - Section A-A

SCALE 1:20

01 CD10


1900
1800
100
2400
2600
BALUSTRADING BOLTED TO EXTERNAL LEAF
FREE DRAINING ALIDECK OR EQUIVALENT TO SPECIALIST MANUFACTURERS DETAILS
60X60 SHS HAND RAIL
180x90x26 PFC RING BEAM TO ALL SIDES
100X50X10 PFC JOISTS SPACED AS PER ALIDECK MANUFACTURERS REQUIREMENTS TOP TO BE LEVEL WITH PERIMETER PFCS
100x100 SHS CORNER POSTS

Steel balcony - Plan

SCALE 1:20

04 CD10

Fixing requirements for rear balcony PFC steels to main structure:

3.6N blockwork

- M10 RAWL R-KEM II with Threaded Rods for Masonry.
- Min. 20 No. fixings spaced at 225mm centres, with two rows of anchors offset by 112.5mm.

Solid brick

- M10 RAWL R-KEM II with Threaded Rods for Masonry.
- Min. 12 No. fixings. The same hole spacings can be used as with the blockwork (225mm centres, with two rows of anchors offset by 112.5mm), but every third fixing can be missed.

Notes:

1. All steelwork including connections to be:
- galvanised to a min rate of 710g/m². All in accordance with NHBC 6.5-S3 - Either power coated or site painted Grey RAL 7015.

2. Steel balustrading as per specialist fabricators designs.

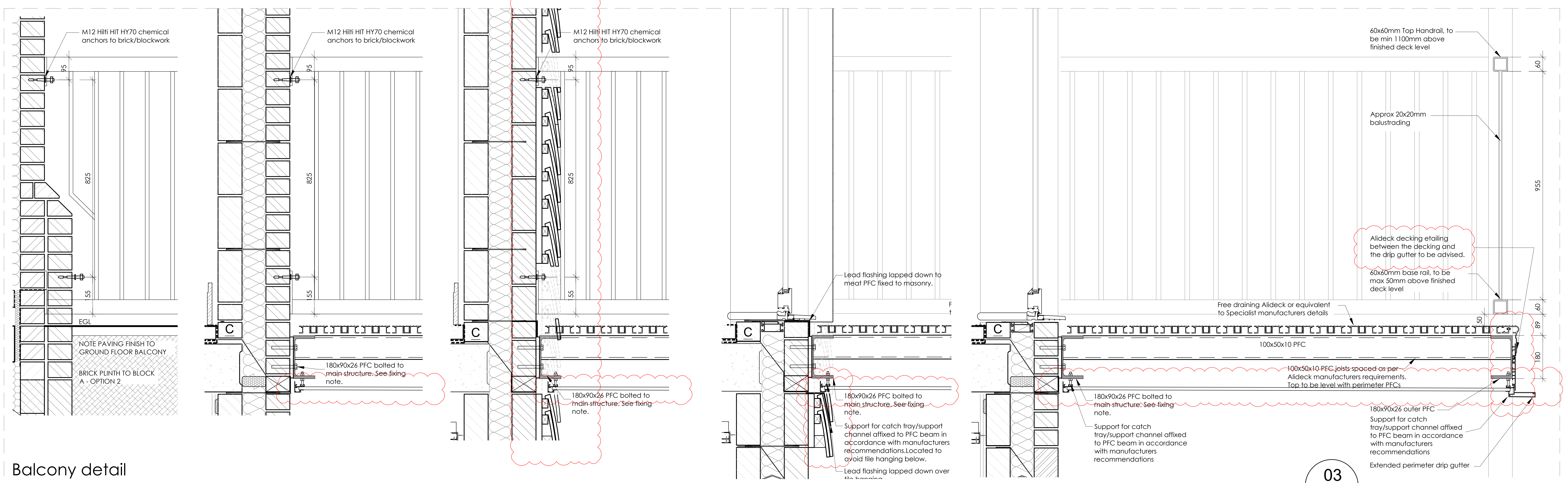
3. All guarding & balustrading must resist horizontal forces given in BS 6399.

4. All steel work to be in accordance with structural engineers requirements and specialist fabrication details.

5. Ensure there are no gaps in balustrading so that a sphere of 99mm can pass through.

© This drawing and the works depicted contains information that is the copyright of Carlton Design Partnership Ltd. This drawing may also contain copyrighted information of third parties. This drawing or part thereof may not be reproduced, re-used or altered except with the written permission of the originators. No liability will be accepted for amendments made by third parties. Scaled measurements must not be taken from this drawing, other than for planning purposes. Any discrepancy or disparity must be notified to the originator in writing. This drawing may contain Ordnance Survey Data that is subject to Crown Copyright. All Rights reserved.

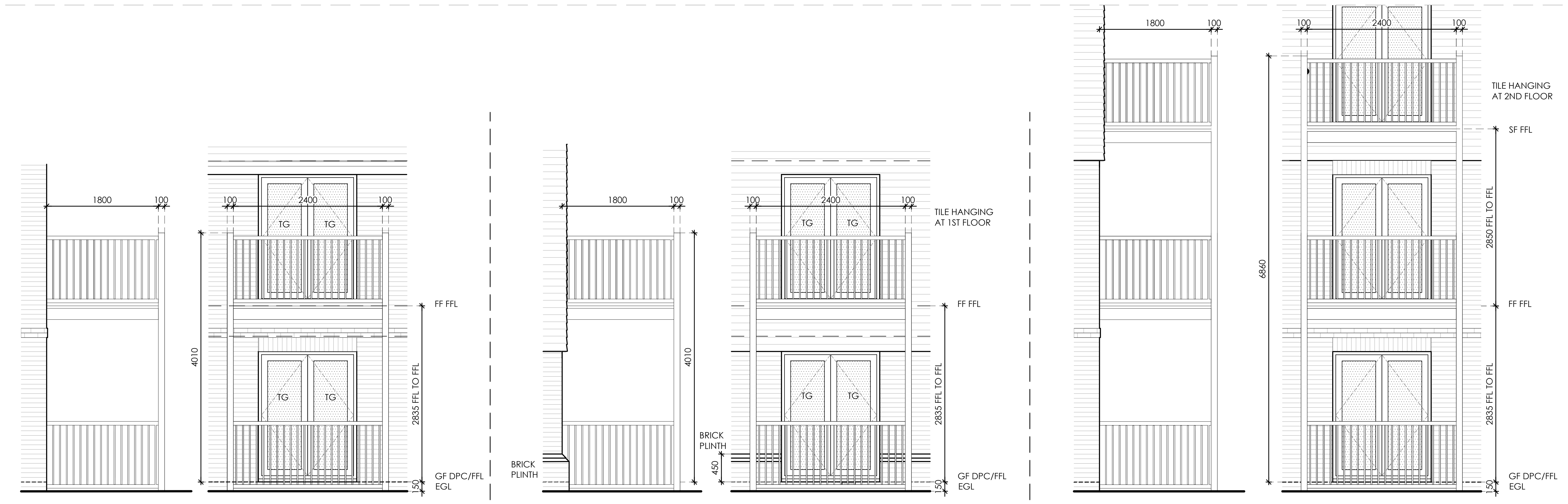
Rev	Date	Drawn	Checked	
00	10/03/23	ISC		FIRST ISSUE
01	12/07/23	ISC		PAINT COLOUR REVISED AS PER PLANNING REQUIREMENTS
02	11/09/23	ISC		GALVANISATION RATING REVISED AS PER ENGINEERS COMMENTS. MID-SPAN BALUSTRADING SUPPORT OMITTED. FIXING SPECIFICATION ADDED.
03	12/03/24	LJP		TILE HANGING VARIATION CLARIFIED. BALCONY DRAINAGE ADDED. BALCONY FIXINGS UPDATED TO SUIT FABRICATION LAYOUTS.


M12 Hilti HIT HY70 chemical anchors to brick/blockwork
95
825
155
EGL
C
NOTE PAVING FINISH TO GROUND FLOOR BALCONY
BRICK PLINTH TO BLOCK A - OPTION 2
180x90x26 PFC bolted to main structure. See fixing note.
M12 Hilti HIT HY70 chemical anchors to brick/blockwork
180x90x26 PFC bolted to main structure. See fixing note.
M12 Hilti HIT HY70 chemical anchors to brick/blockwork
180x90x26 PFC bolted to main structure. See fixing note.
Lead flashing lapped down to meat PFC fixed to masonry.
180x90x26 PFC bolted to main structure. See fixing note.
Support for catch tray/support channel affixed to PFC beam in accordance with manufacturers recommendations.Located to avoid tile hanging below.
Lead flashing lapped down over tile hanging
60x60mm Top Handrail, to be min 1100mm above finished deck level
Approx 20x20mm balustrading
Alideck decking etailing between the decking and the drip gutter to be advised.
60x60mm base rail, to be max 50mm above finished deck level
Free draining Alideck or equivalent to Specialist manufacturers details
100x50x10 PFC
100x50x10 PFC joists spaced as per Alideck manufacturers requirements. Top to be level with perimeter PFCs
180x90x26 PFC bolted to main structure. See fixing note.
Support for catch tray/support channel affixed to PFC beam in accordance with manufacturers recommendations
180x90x26 outer PFC
Support for catch tray/support channel affixed to PFC beam in accordance with manufacturers recommendations
Extended perimeter drip gutter
60
955
60
50
89
180

Balcony detail

SCALE 1:10

03 CD10



SIDE ELEVATION
- OPTION 1

FRONT ELEVATION
- OPTION 1

APT BLOCK A

SIDE ELEVATION
- OPTION 2

FRONT ELEVATION
- OPTION 2

APT BLOCK A

SIDE ELEVATION

FRONT ELEVATION

APT BLOCK C

Typical Elevations

SCALE 1:50

02 CD10

AWAITING NHBC APPROVAL

CONSTRUCTION ISSUE

Project:
GATEWAY CENTRE
BOORLEY GREEN
BOTLEY

Drawing Title:
SUPERSTRUCTURE DETAILS
DETAIL 10
STEEL BALCONY

Bovis Homes
Linden HOMES
Part of the Vistry Group

carlton
design partnership
Selwyn House, 32a Castle Way, Southampton, SO14 2AW
023 8011 8866 www.carltondesignpartnership.com

1:5 @A1 0 0.05 0.1 0.15 0.2 0.25m

Drg No: B1008-CDP-XXXXXX-ML-D2-A-AS-0310 Rev: 03

CURRENT PROJECTS\VISTRY HOMES SOUTHERN\2126 GATEWAY CENTRE BOORLEY GREEN_DISKSTATION_APR-01-0501-2023_UPLOADCONFLICT\CONSTRUCTION DETAILS\BOLT ON STEEL BALCONY