

DETAILS OF FLOOD PROOFING

The 0.5%AEP (1 in 200 year) extreme tide level for Chichester Harbour is 3.4mAOD.

Site levels ranging from 2.51mAOD to 3.07mAOD
Existing threshold level of FFL =3.51mAOD at the entrance and FFL=3.36mAOD towards the terrace.

The 0.5%AEP (1 in 200 year) extreme tide event with an allowance for Climate Change up to 2115 for Chichester Harbour is 4.5mAOD.

Design strategies - Avoidance include:

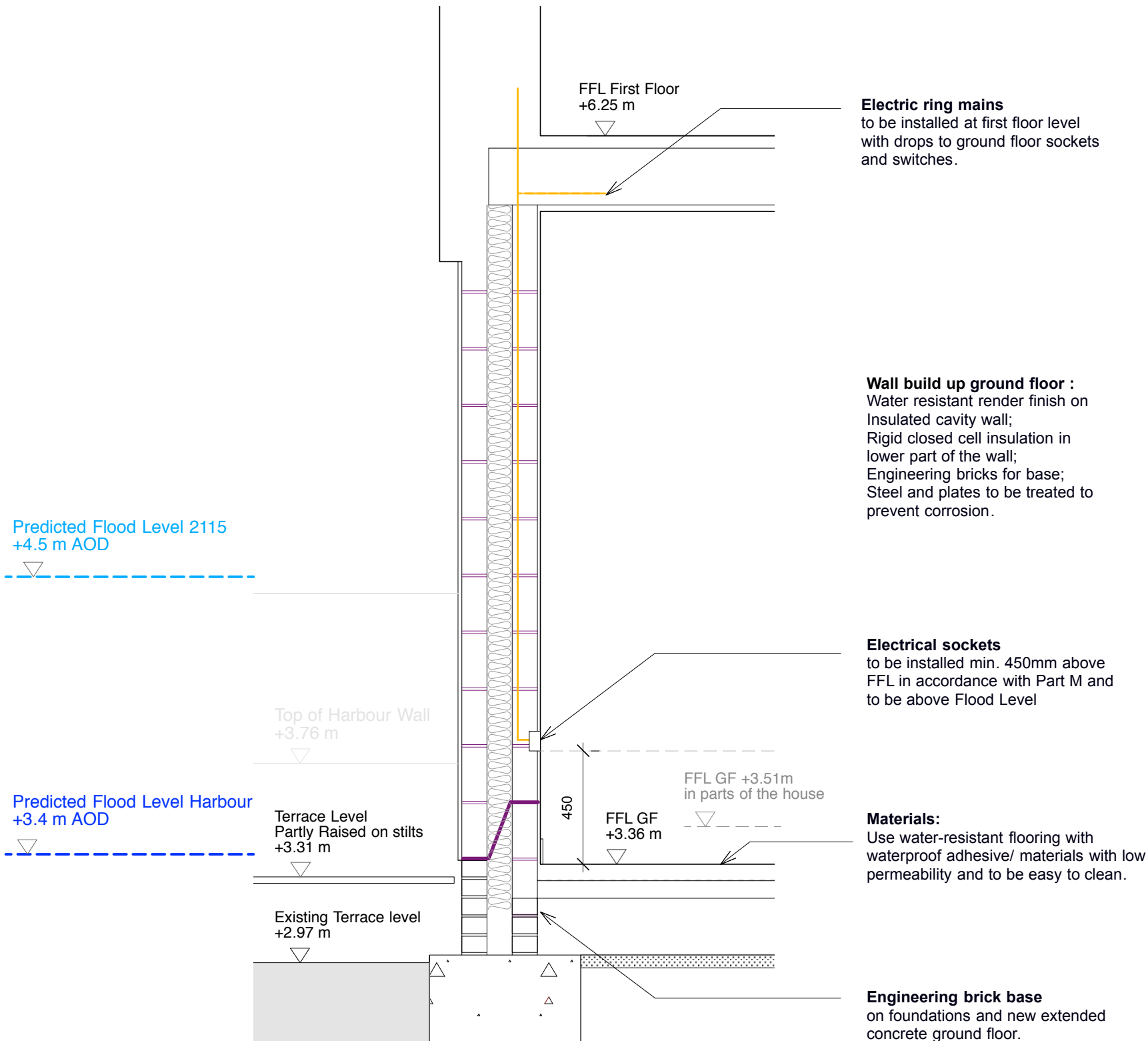
Proposed avoidance design strategies include:

- Proposed floor levels to match existing levels.
- Proposed layout with all the bedrooms at first floor.
- Improve drainage away from the house and to include non return valves
- Increase permeable surface. Partly raise the terrace level on stilts with permeable surface under.

Flood Resistance/ Resilience techniques include:

Water Depth = Revised Flood Level – Revised Floor Level is below 0.3m
therefore the water exclusion strategy is suggested.

- Use Building materials with low permeability
Design to allow access to all spaces to permit drying and cleaning.
- External ground floor wall finish to be water resistant render on cavity brick wall with engineering brick base.
- Protection measures for services.
Electric service with ring distribution from first floor level to serve ground floor level from above.



PROPOSED SECTION GROUND FLOOR EXTENSION
M1:20 DETAIL TERRACE AREA

TO BE READ IN CONJUNCTION WITH STRUCTURAL
ENGINEER'S DRAWINGS.
REPORT ALL DISCREPANCIES PRIOR TO PROCEEDING.

Notes:

REV A: 2018/03/15

REVISION

DATE

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PROJECT : 36a WITTERING ROAD
HAYLING ISLAND
HAMPSHIRE PO11 9SP

DRAWING : Proposed Flood Proofing

SCALE : 1:20 @ A3

DATE : MARCH 2018

DWG NO. 594/P/201

DWN BY :

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DRAWING STATUS : FOR TENDER ☐
FOR PLANNING ☒ FOR CONSTRUCTION ☐

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