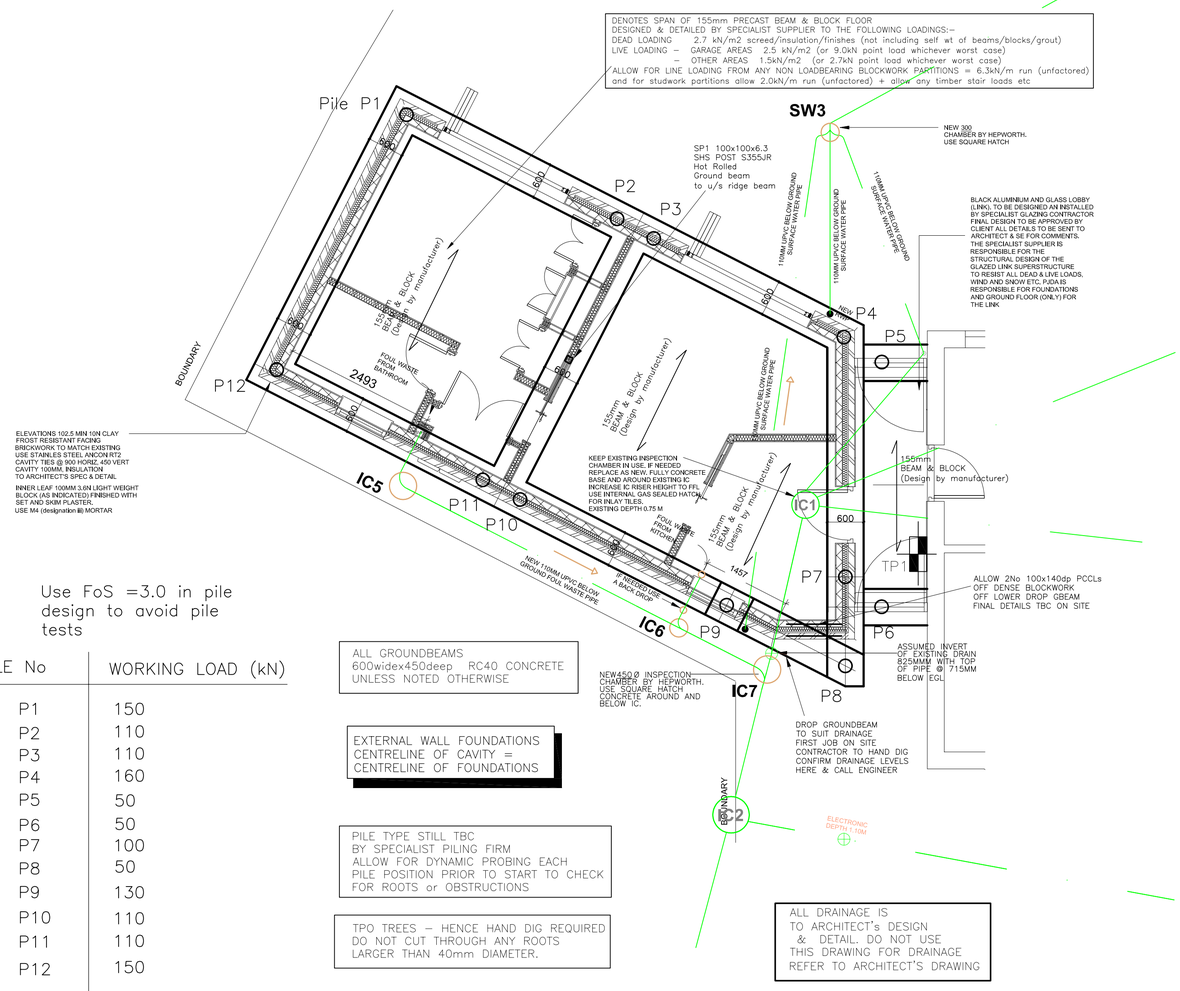
DENOTES SPAN OF 155mm PRECAST BEAM & BLOCK FLOOR
DESIGNED & DETAILED BY SPECIALIST SUPPLIER TO THE FOLLOWING LOADINGS:–
DEAD LOADING 2.7 kN/m2 screed/insulation/finishes (not including self wt of beams/blocks/grout)
LIVE LOADING – GARAGE AREAS 2.5 kN/m2 (or 9.0kN point load whichever worst case)
– OTHER AREAS 1.5kN/m2 (or 2.7kN point load whichever worst case)
ALLOW FOR LINE LOADING FROM ANY NON LOADBEARING BLOCKWORK PARTITIONS = 6.3kN/m run (unfactored) and for studwork partitions allow 2.0kN/m run (unfactored) + allow any timber stair loads etc



Use FoS =3.0 in pile design to avoid pile tests

PILE No	WORKING LOAD (kN)
P1	150
P2	110
P3	110
P4	160
P5	50
P6	50
P7	100
P8	50
P9	130
P10	110
P11	110
P12	150

ALL GROUNDBEAMS 600widex450deep RC40 CONCRETE UNLESS NOTED OTHERWISE

EXTERNAL WALL FOUNDATIONS CENTRELINE OF CAVITY = CENTRELINE OF FOUNDATIONS

PILE TYPE STILL TBC
BY SPECIALIST PILING FIRM
ALLOW FOR DYNAMIC PROBING EACH PILE POSITION PRIOR TO START TO CHECK FOR ROOTS or OBSTRUCTIONS

TPO TREES – HENCE HAND DIG REQUIRED DO NOT CUT THROUGH ANY ROOTS LARGER THAN 40mm DIAMETER.

ALL DRAINAGE IS TO ARCHITECT'S DESIGN & DETAIL. DO NOT USE THIS DRAWING FOR DRAINAGE REFER TO ARCHITECT'S DRAWING

GROUND FLOOR PLAN SHOWING RC GROUNDBEAM LAYOUT

(1:50 at A1)

NOTES:–
1. REFER TO SEPERATE A4 SPECIFICATION NOTES AND DETAIL SKETCHES

rev.	drawn	chkd.	approvd	date	description
A	PJD	PJD	PJD	17/12/19	BUILDING REGS + TENDER
–	PJD	PJD	PJD	28/11/19	PRELIMINARY FOR ARCHITECTS REVIEW

CLIENT :–
Mr S Wilson

PROJECT:–
16a BEECHES
EMSWORTH ROAD
HAVANT PO9 2SS

DRAWING TITLE:–
STRUCTURAL PROPOSALS (1)

P J DAVIES ASSOCIATES LTD
CONSULTING STRUCTURAL ENGINEERS
Office 201/4
Langstone Gate
Solent Road
Havant
Hampshire
PO9 1TR
office: 02392 452228 mobile: 0796 2206734
e-mail: mail@pjdaviesassociates.co.uk

date	drawn	checked	approved
Dec 2019	PD		

scales: AS SHOWN.

drg. no. **1518/S/01** rev. **A**

A1