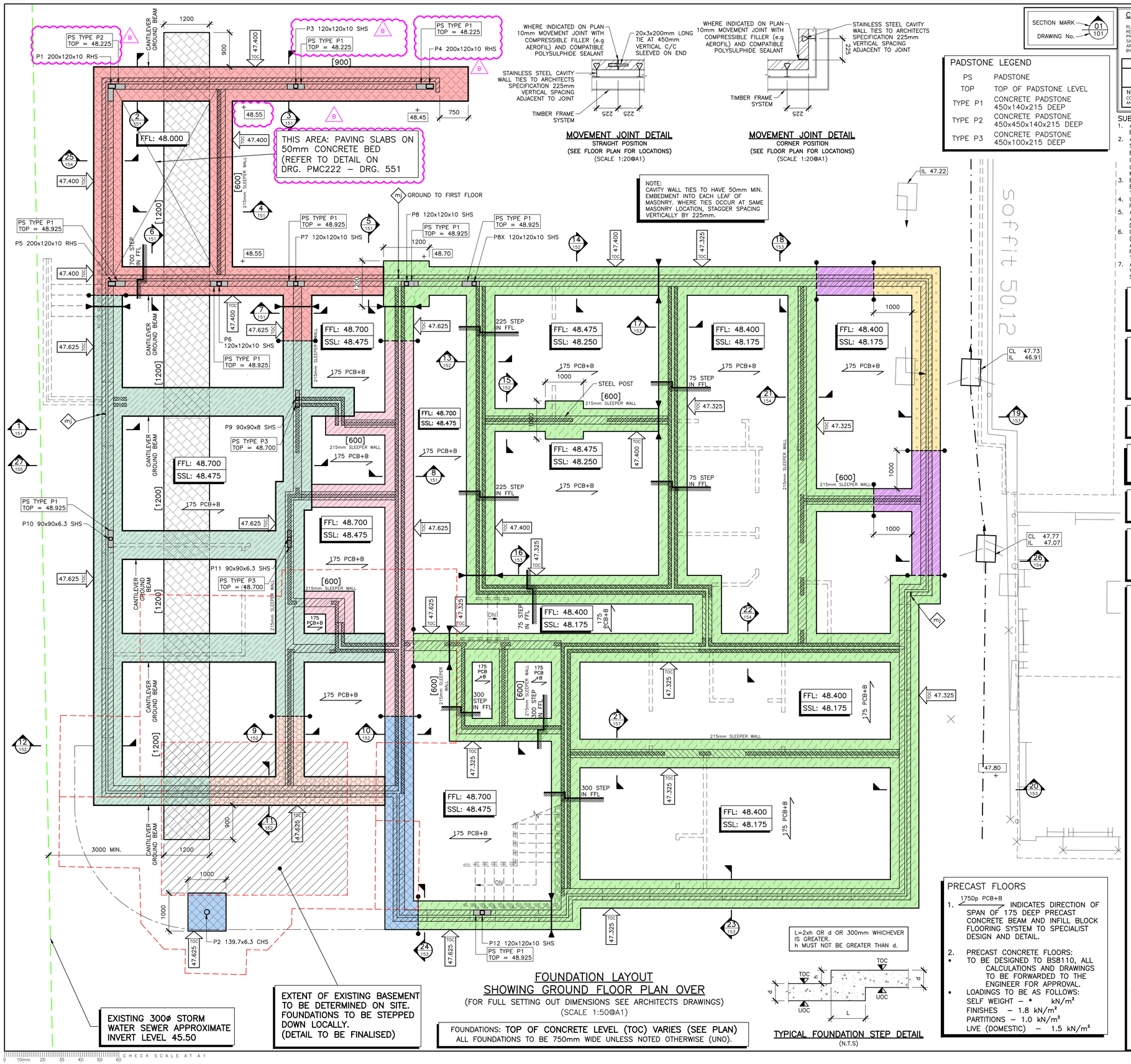


WHERE INDICATED ON PLAN 10mm MOVEMENT JOINT WITH COMPRESSIBLE FILLER (e.g AEROFIL) AND COMPATIBLE POLYSULPHIDE SEALANT

20x3x200mm LONG TIE AT 450mm VERTICAL C/C SLEEVED ON END

STAINLESS STEEL CAVITY WALL TIES TO ARCHITECTS SPECIFICATION 225mm VERTICAL SPACING ADJACENT TO JOINT

TIMBER FRAME SYSTEM

225 225

MOVEMENT JOINT DETAIL
STRAIGHT POSITION
(SEE FLOOR PLAN FOR LOCATIONS)
(SCALE 1:20@A1)

WHERE INDICATED ON PLAN 10mm MOVEMENT JOINT WITH COMPRESSIBLE FILLER (e.g AEROFIL) AND COMPATIBLE POLYSULPHIDE SEALANT

STAINLESS STEEL CAVITY WALL TIES TO ARCHITECTS SPECIFICATION 225mm VERTICAL SPACING ADJACENT TO JOINT

225

TIMBER FRAME SYSTEM

225

MOVEMENT JOINT DETAIL
CORNER POSITION
(SEE FLOOR PLAN FOR LOCATIONS)
(SCALE 1:20@A1)

NOTE:
CAVITY WALL TIES TO HAVE 50mm MIN. EMBEDMENT INTO EACH LEAF OF MASONRY. WHERE TIES OCCUR AT SAME MASONRY LOCATION, STAGGER SPACING VERTICALLY BY 225mm.

PADSTONE LEGEND

PS	PADSTONE
TOP	TOP OF PADSTONE LEVEL
TYPE P1	CONCRETE PADSTONE 450x140x215 DEEP
TYPE P2	CONCRETE PADSTONE 450x450x140x215 DEEP
TYPE P3	CONCRETE PADSTONE 450x100x215 DEEP

SECTION MARK 01/101
DRAWING No.

CDM REGULATIONS 2015

RUSHBY BREWSTER ASSOCIATES HAVE CONSIDERED AND, WHERE REASONABLY PRACTICABLE, AVOIDED FORESEEABLE RISKS IN THE PREPARATION OF THE DESIGN SHOWN ON THIS AND RELATED DRAWINGS. SIGNIFICANT RISKS WHICH REMAIN AND ASSOCIATED CONTROL MEASURES ARE IDENTIFIED BELOW AND SHOULD BE GIVEN PARTICULAR ATTENTION BY THE MAIN CONTRACTOR ON SITE.

ACTIVITY	HAZARD	CONTROL

NOTE: THE ABOVE ASSESSMENT RECORDS ONLY THOSE ELEMENTS CONSIDERED UNUSUAL, DIFFICULT TO MANAGE OR OUTSIDE OF THE ANTICIPATED EXPERTISE OF A COMPETENT CONTRACTOR

SUBSTRUCTURE MASONRY

1. ALL MASONRY WALLS TO BE IN ACCORDANCE WITH EUROCODE 6 / BS EN 1996.
2. ALL MASONRY BELOW GROUND LEVEL TO BE A MINIMUM STRENGTH OF 7.0 N/mm², DENSE CONCRETE BLOCKWORK IN MORTAR DESIGNATION (ii) / COMPRESSIVE STRENGTH CLASS M6 (RECOMMENDED CEMENT : LIME : SAND MIX 1: ½ :4½, PROPORTION OF MATERIALS BY VOLUME).
3. BOTH SIDES OF WALLS BELOW GROUND LEVEL TO BE BACKFILLED AT THE SAME TIME TO AVOID SURCHARGING THE WALL.
4. CAVITIES BELOW GROUND FLOOR LEVEL TO BE CONCRETE FILLED TO WITHIN 225mm OF DPC.
5. ALL DPCs, DPMs AND CAVITY TRAYS TO BE IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS AND DETAILS.
6. CAVITY WALL TIES TO BE STAINLESS STEEL TYPE 2 (MASONRY GENERAL PURPOSE) TO PD 6697 AND IN ACCORDANCE WITH BS EN 845-1: 2003 SPECIFICATION FOR ANCILLARY COMPONENTS FOR MASONRY – PART 1: TIES, TENSION STRAPS, HANGERS AND BRACKETS.
7. ALL TIES TO BE SPACED AT 450mm CENTRES VERTICALLY AND AT 900mm CENTRES HORIZONTALLY STAGGERED.

NOTE:

EXACT LOCTION OF STEEL POSTS TO BE CONFIRMED BY TIMBER FRAME SUPPLIER.

KEY:

FFL (FINISHED FLOOR LEVEL)
SSL (STRUCTURAL SLAB LEVEL)
TOC (TOP OF CONCRETE LEVEL)
UNO (UNLESS NOTED OTHERWISE)

DOUBLE UP PCC FLOOR BEAMS UNDER STAIR/NEWEL

FOR DETAILS OF ALL DPCS, DPMs & INSULATIONS SEE ARCHITECTS DETAILS AND REQUIREMENTS.

FOR SECTIONS REFER TO DRG PMC222/151–155

ALL BLOCK FOUNDATIONS TO U/S OF GROUND FLOOR TO BE 7.3N/mm² IN M6(ii) MORTAR UNLESS NOTED OR SHOWN OTHERWISE

LEGEND

- 175 PCB+B — INDICATES DIRECTION OF SPAN OF 175thk PRECAST CONCRETE BEAM AND INFILL BLOCK FLOORING SYSTEM TO SPECIALIST DESIGN AND DETAIL.
- NON LOAD BEARING STUDWORK BUILT OFF BEAM & BLOCK FLOOR
- DENOTES TIMBER FRAME INTERNAL LOAD BEARING WALLS
- STEP IN TOP OF CONCRETE (TOC)
- STEP IN UNDERSIDE OF CONCRETE
- STEP IN FINISHED FLOOR LEVEL
- TOC 00.000 — DENOTES TOP OF CONCRETE LEVEL
- [000] WIDTH OF FOOTING
- OUTLINE OF EXISTING BUILDING
- OUTLINE OF CANOPY
- m1 INDICATES POSITION OF MOVEMENT JOINT LOCATIONS

FOUNDATION – UNDERSIDE OF CONCRETE LEVELS

- UOC = 46.800
- UOC = 46.500
- UOC = 45.900
- UOC = 45.350
- UOC = UNDERSIDE OF EXISTING BASEMENT FLOOR
- UOC = 150mm BELOW INVERT OF EXISTING STORM WATER SEWER.

GROUND BEAM – UNDERSIDE OF CONCRETE LEVELS

- UOC = 46.800
- UOC = 46.800 + MASS CONCRETE
- UOC = 46.500

PRECAST FLOORS

1. 175Dp PCB+B → INDICATES DIRECTION OF SPAN OF 175 DEEP PRECAST CONCRETE BEAM AND INFILL BLOCK FLOORING SYSTEM TO SPECIALIST DESIGN AND DETAIL.
2. PRECAST CONCRETE FLOORS:
 - TO BE DESIGNED TO BS8110, ALL CALCULATIONS AND DRAWINGS TO BE FORWARDED TO THE ENGINEER FOR APPROVAL.
 - LOADINGS TO BE AS FOLLOWS:
 SELF WEIGHT – * kN/m²
 FINISHES – 1.8 kN/m²
 PARTITIONS – 1.0 kN/m²
 LIVE (DOMESTIC) – 1.5 kN/m²

EXISTING 300ø STORM WATER SEWER APPROXIMATE INVERT LEVEL 45.50

EXTENT OF EXISTING BASEMENT TO BE DETERMINED ON SITE. FOUNDATIONS TO BE STEPPED DOWN LOCALLY. (DETAIL TO BE FINALISED)

FOUNDATION LAYOUT SHOWING GROUND FLOOR PLAN OVER
(FOR FULL SETTING OUT DIMENSIONS SEE ARCHITECTS DRAWINGS)
(SCALE 1:50@A1)

FOUNDATIONS: TOP OF CONCRETE LEVEL (TOC) VARIES (SEE PLAN)
ALL FOUNDATIONS TO BE 750mm WIDE UNLESS NOTED OTHERWISE (UNO).

L=2xh OR d OR 300mm WHICHEVER IS GREATER.
h MUST NOT BE GREATER THAN d.

TYPICAL FOUNDATION STEP DETAIL
(N.T.S)

CHECK SCALE AT A1
0 10mm 20 30 40 50 60

NOTES

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This drawing must not be scaled. IF IN DOUBT ASK.

GENERAL NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND DETAILS.
2. ALL FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
3. ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHER INFORMATION IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS ON SITE.
4. THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
5. THE CONTRACTOR IS TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING PROPERTY AT ALL TIMES DURING WORKS AND IS TO BE RESPONSIBLE FOR ALL PROPPING AND SHORING AS REQUIRED.
6. MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONDITION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
7. IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR ASCERTAINING SAFE DISPOSAL OF ANY OFF-SITE EXCAVATED SPOIL. NO CLAIM RESULTING FROM ABNORMAL TIP REQUIREMENTS WILL BE ENTERTAINED.

FOUNDATIONS

1. FOUNDATIONS HAVE BEEN DESIGNED ON A SAFE INCREASE IN BEARING PRESSURE OF 100kN/m² INTO CLAY MATERIAL.
2. IF THE GROUND AT THE LEVEL SHOWN IS NOT ADEQUATE THE FOUNDATIONS ARE TO BE TAKEN DEEPER USING WEAK MIX CONCRETE TO A LEVEL TO THE SATISFACTION OF THE ENGINEER AND LOCAL AUTHORITY.
3. ENGINEER TO INSPECT ALL FOUNDATION EXCAVATIONS PRIOR TO CONCRETING.
4. PARTICULAR CARE TO BE TAKEN IN BREAKING OUT FOUNDATIONS TO THE DEMOLISHED BUILDINGS SUCH THAT MINIMUM DISTURBANCE OCCURS.
5. CONCRETE DESIGN MIXES TO BS EN 206-1 AND COMPLEMENTARY BRITISH STANDARD BS 8500-1:2006 'METHOD OF SPECIFYING AND GUIDANCE FOR THE SPECIFIER'
 - LOCATION: FOOTINGS
 CONCRETE DESIGNATION: GEN 3
6. MAIN CONTRACTOR IS TO LOCATE AND CLEARLY MARK THE POSITION OF ALL EXISTING SERVICES / DRAINS RUNNING BENEATH THE BUILDING AREA.
7. MAIN CONTRACTOR IS TO PROVIDE ALL NECESSARY SLEEVES OR LINTELS WHERE DRAINAGE PIPES PASS THROUGH WALL OR FOUNDATIONS.
8. DRAINAGE RUNS ADJACENT TO OR THROUGH FOUNDATIONS MAY RESULT IN DEEPENING FOUNDATIONS LOCALLY.
9. CONTRACTOR IS TO ENSURE THAT AT ALL TIMES THE EXCAVATIONS SHALL REMAIN FREE FROM STANDING WATER.
10. NO EXCAVATION IS TO BE LEFT OPEN OVERNIGHT. IF, BETWEEN EXCAVATING AND POURING OF THE CONCRETE THE BOTTOM HAS SOFTENED, A FURTHER 75mm MUST BE REMOVED FROM THE TRENCH BOTTOM, OR MORE UNTIL A FIRM BASE IS ACHIEVED.
11. ALL MINIMUM FOUNDATIONS WIDTHS ARE INDICATED ON PLAN THUS [600] AND ARE TO BE LOCATED SYMMETRICALLY ABOUT CENTRE LINES OF WALLS THEY SUPPORT UNLESS NOTED OTHERWISE.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING No. PMC222–112

COLOURED DRAWING
REQUEST A COLOURED COPY IF THIS STAMP IS NOT RED

Mk.	Date	Revision	By
B	01/03/16	PADSTONES ADDED. NOTE AND LEVEL AMENDED.	PJM
A	29/02/16	ISSUED FOR CONSTRUCTION.	PJM
P7	24/02/16	FOUNDATIONS AMENDED. GROUND BEAMS, STEEL COLUMNS & CONCRETE PADSTONES ADDED.	PJM
P6	23/11/15	FOUNDATIONS AMENDED.	PJM
P5	08/11/15	FOUNDATIONS AMENDED.	PJM
P4	07/12/15	FOUNDATIONS AMENDED. MOVEMENT JOINT DETAILS ADDED.	PJM
P3	26/11/15	FOUNDATIONS AMENDED.	PJM
P2	20/11/15	FOUNDATION AMENDED. EXISTING STORM WATER SEWER ADDED.	PJM
P1	12/11/15	PRELIMINARY ISSUE FOR COMMENT.	PJM

RUSHBY | BREWSTER
CONSULTING CIVIL AND STRUCTURAL ENGINEERS
The Town House, St. George's Square, Bishops Waltham, Southampton, Hampshire, SO32 1AF
E: admin@rushbybrewster.co.uk W: www.rushbybrewster.co.uk
T: 01489 890004 F: 01489 890005

ace consultancy engineering business environment
SCS Cert: QS0166

Client
PMC CONSTRUCTION

Architect
KENN SCADDEN ASSOCIATES

Project Title
9–11 ST GEORGES WALK
WATERLOOVILLE

Drawing Title
FOUNDATION LAYOUT
SHEET 1 – SHOWING UNDERSIDE OF CONCRETE LEVELS

Scale	Paper Size	Date	Drawn by	Chkd. by
AS SHOWN	A1	NOV. 2015	PJM	ARW

Project No. PMC222
Drawing No. 111
Rev. B