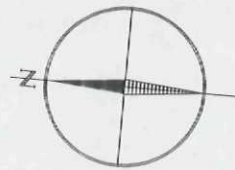


WORKING DRAWING - APPROVED

PLANNING PERMISSION Ref No: H11/0282/09 DATED: 11 JUNE 2009
 BUILDING REGULATION Ref No: B11/0751/09 DATED: 15 JUNE 2009

SETTING OUT

ALL dimensions are to structure ONLY unless otherwise stated

**WINDOW SCHEDULE:** (CATNIC or equivalent)

Opening	Opg Height	Lintel	Length	Vent	1/20th
W 01	1210	ArchCentre	# 1650	0.60	0.49
W 02	1360	CG70/100	1650	0.69 *	2.24
W 03	1060	"	"	0.52 *	
W 04	1060	"	1050	0.52	0.30
W 05	1210	ArchCentre	# 1650	0.60	0.34

Lintel ArchCentres - Type AC, to manufacturers design

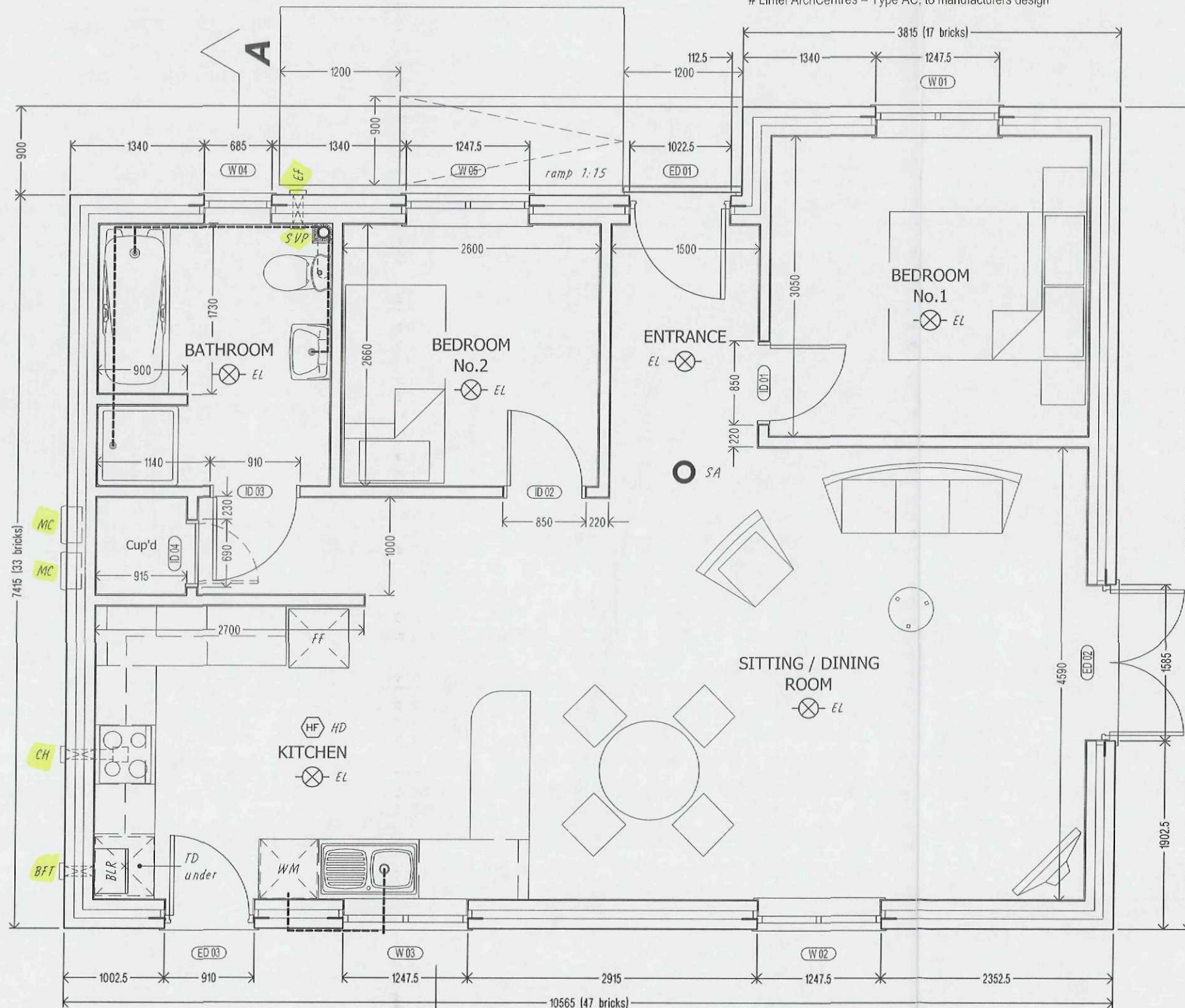
EXTERNAL DOOR SCHEDULE: (CATNIC or equivalent)

Opening	Leaf	Leaf height	Lintel	Length	Vent
ED 01	914	to suit	CG70/100	1350	1.83 *
ED 02	2 x 735	"	ArchCentre	# 1950	2.93 *
ED 03	807	"	CG70/100	1350	1.61 *

Lintel ArchCentres - Type AC, to manufacturers design

INTERNAL DOOR SCHEDULE:

Opening	Leaf	Lintel	Length
ID 01	762	CN102	1200
ID 02	"	"	"
ID 03	838	"	1350
ID 04	610	"	1050

**EXTERNAL MASONRY WALLS:**

Cavity walls to consist of an inner leaf of TARMAC Toplite GTI aircrete blocks (0.11 W/mK), 100mm thick; 85mm thick cavity filled with ISOVER CWS glass mineral wool slab, 85mm thick (thermal conductivity of 0.036 W/mK); outer leaf to be Kimbolton 'Red multi' facing bricks to LPA approval. Mortar designation (iii) to BS 5628: Part 3 (1 Portland cement, 6 Sand + plasticiser). DPC's to be 100mm wide in bitumen to BS 6398. Stainless steel wall ties to BS EN 845 are to be bedded a minimum 50mm into each leaf. Ties should be spaced (max.) above and below DPC as follows: horizontally 900mm; vertically 450mm; at jamb openings within 225mm horizontally & 300mm vertically. Provide DPC's to jambs of openings at heads & sills. Vertical DPC's are to project a minimum of 25mm into the cavity. Cavity trays over lintels, air bricks, & meter box where applicable, should extend 150mm beyond the inner face of the cavity closer & cover the ends of the lintel. Provide a minimum of 2 No weepholes to each external opening, @ 450mm max. c/c. Steel Lintels (or equivalent) to have minimum end bearing of 150mm to openings, to BS 5977: Part 2.

DOORS, WINDOWS & GLAZING:

All new windows to habitable rooms to be fitted with trickle ventilators to provide a) background ventilation of 8000 sq.mm, these to be controllable & secure, b) purge ventilation to be provided by minimum 30° opening windows & doors, equivalent to 1/20th of the room area served (see schedules)
 All new external windows & doors, unless otherwise agreed with the LPA, are to be white painted timber, glazed with Low-e coated glass with sealed units, having a minimum 16mm air gap between panes, to achieve a minimum average U-value of:-

- 1.8 W/sq.mK for new windows
- 2.2 W/sq.mK for glazed doors with glazing exceeding 50% of the door
- 3.0 W/sq.mK for new doors

Fit draught stripping in the frames of openable elements of the same. All glass lower than 1500mm above floor level, to doors, adjacent sidelights and windows, all glass lower than 800mm above floor level elsewhere to be Laminated or Toughened, manufactured to BS 6206: 1981.

INTERNAL WALLS:

Internal blockwork to be 100mm thick, minimum 3.5 N/sq.mm mortar mix 1:4 (to BS 5628: Part 3); Portland cement: sand + plasticiser. Inner leaf of cavity to be fully bonded to internal block partitions.

EMERGENCY EGRESS WINDOWS:

All habitable rooms to be provided with a window which has an unobstructed openable area of at least 0.33sq.m and at least 450mm high & wide. The height to the bottom of these openings should be between 800 & 1100mm above FFL.

CONSTRUCTION of BUNGALOW
 LAND ADJACENT 39 WEST STREET
 LONG SUTTON
 PE12 9BW

For Mr J WRIGHT & Miss E COUPLAND

Scales:
 FLOOR PLAN - 1:50

SHDC
Planning & Development
 15 JUL 2009
 Ref: 0524/09 JULY 2009
 091102/10C
 Sheet 1 of 4

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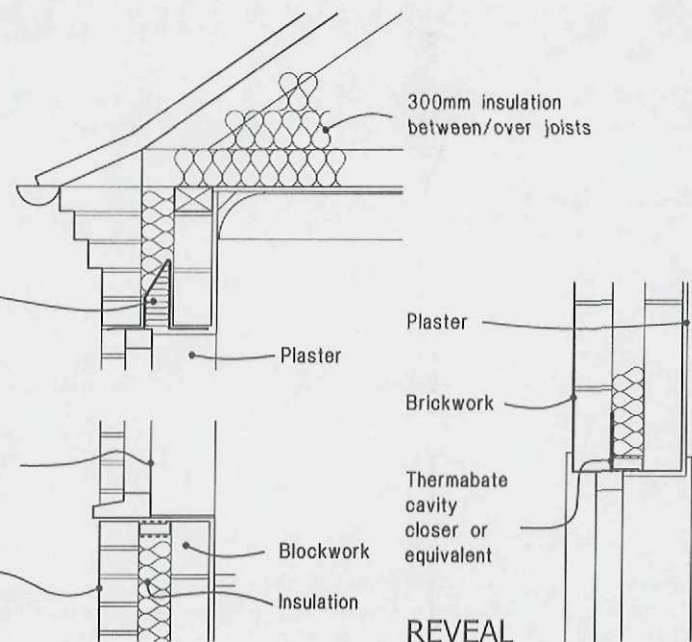
Insulation to full height of gable where applicable

Insulated lintel with DPC over

HEAD

Frame set back a minimum of 30mm from inner face of brickwork

Brickwork
SILL



TYPICAL ROBUST DETAILS:

Scale 1:20

DRAINAGE BELOW GROUND:

All drainage to comply with, BS 8301: 1985. New drains to be 110mm diameter uPVC to BS 4660: 1973 bed in 10mm aggregate to BS 882: Part 2 to a thickness of 100mm all round the pipe, with flexible joints minimum gradient 1:80. Where the bottom of a trench is below foundation level it should be filled with concrete to a suitable level. Backfill should be placed in layers not deeper than 300mm, well compacted, minimum cover 600mm. Covers to IC's to be suitable for their location to BS EN 124: 1994, as follows:-

- A15 1.5 tonnes Pedestrian areas only
- B125 12.5 tonnes Domestic driveways, areas with occasional vehicle access

New soakaway(s), are to be a minimum 5.0m from any building or road & 2.5m from any boundary; 2000mm diameter x 2000mm to base filled with broken brick (particle size 10-150mm), covered with 'Terrain' filter sheet & topsoil.

SECTION A-A



CONCRETE FOUNDATIONS:

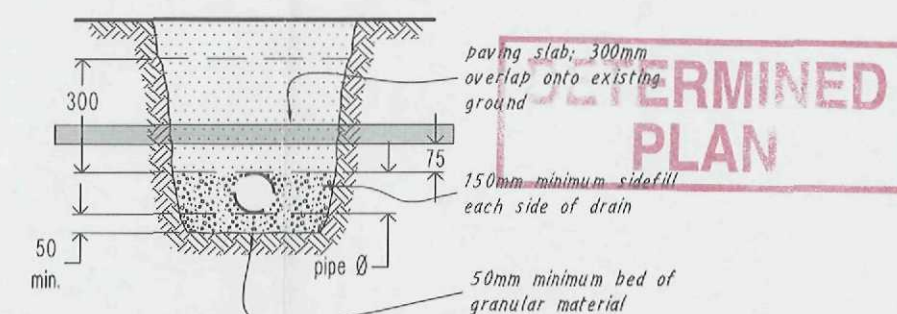
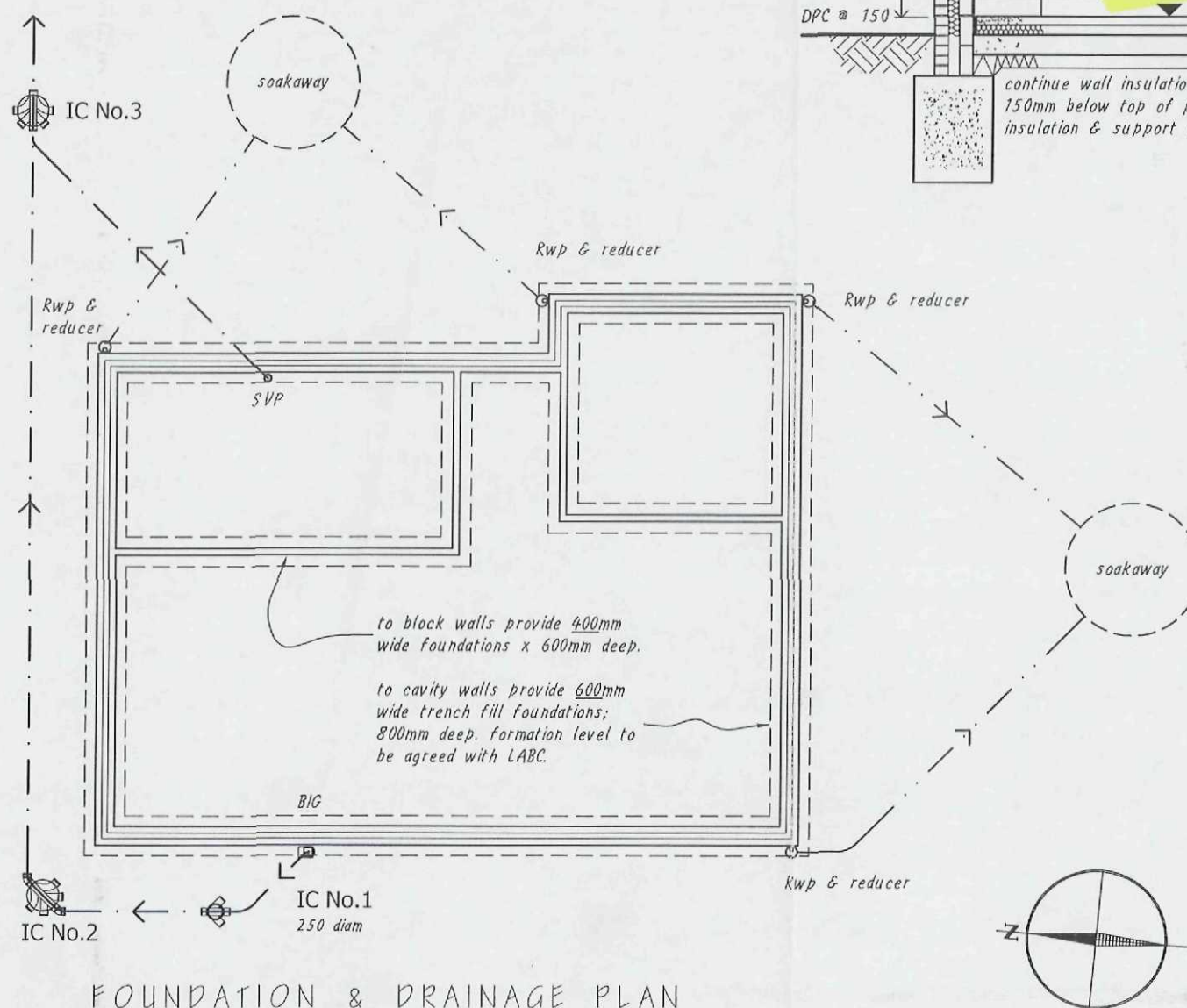
All new foundations to be trench fill in concrete (Designated mix FND2) to BS 8500 and BS EN 206-1. Sizes in accordance with BS 8110: Part 1 & as shown on foundation plan. The bottom formation level to be agreed with the Building Control Officer. All foundations are to be centrally placed below walls. Minimum cover of 300mm. All concrete to be left to cure at least 4 days. Foundations adjacent to drains shall be to a depth n.l.t. the base level of the drainage trench.

WALLS BELOW DPC:

Clay brickwork to BS 3921 & mortar to BS 5628: Part 3 or alternatively 1:1.5:5 (cement:lime:sand, with plasticiser). A DPC should be positioned at least 150mm above finished ground/paving levels, be impermeable, lapped at least 100mm, well bedded & linked continuous with DPM. Where services penetrate the structure, provide a 50mm space all around pipe with opening masked both sides & a supporting lintel over where these occur. Wall ties to BS EN 845 at centres compatible with the spacing as specified above DPC level.

SHALLOW DOMESTIC DRAINS - PROTECTION:

Pipes laid at depths less than 600mm not under a road should, where necessary, be protected against risk of damage by placing over them a layer of concrete paving slabs or similar. A minimum 75mm cushioning layer of granular material must be laid between pipes and slabs.



SHALLOW DRAINAGE 1:20

CONSTRUCTION of BUNGALOW
LAND ADJACENT 39 WEST STREET
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For Mr J WRIGHT & Miss E COUPLAND

Scales:
FOUNDATION & DRAINAGE PLAN - 1:100
SECTION A-A - 1:50

SHDC
Planning & Development

15 JUL 2009

Ref: 0524/09 JULY 2009

091102/13A

Sheet 4 of 4

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