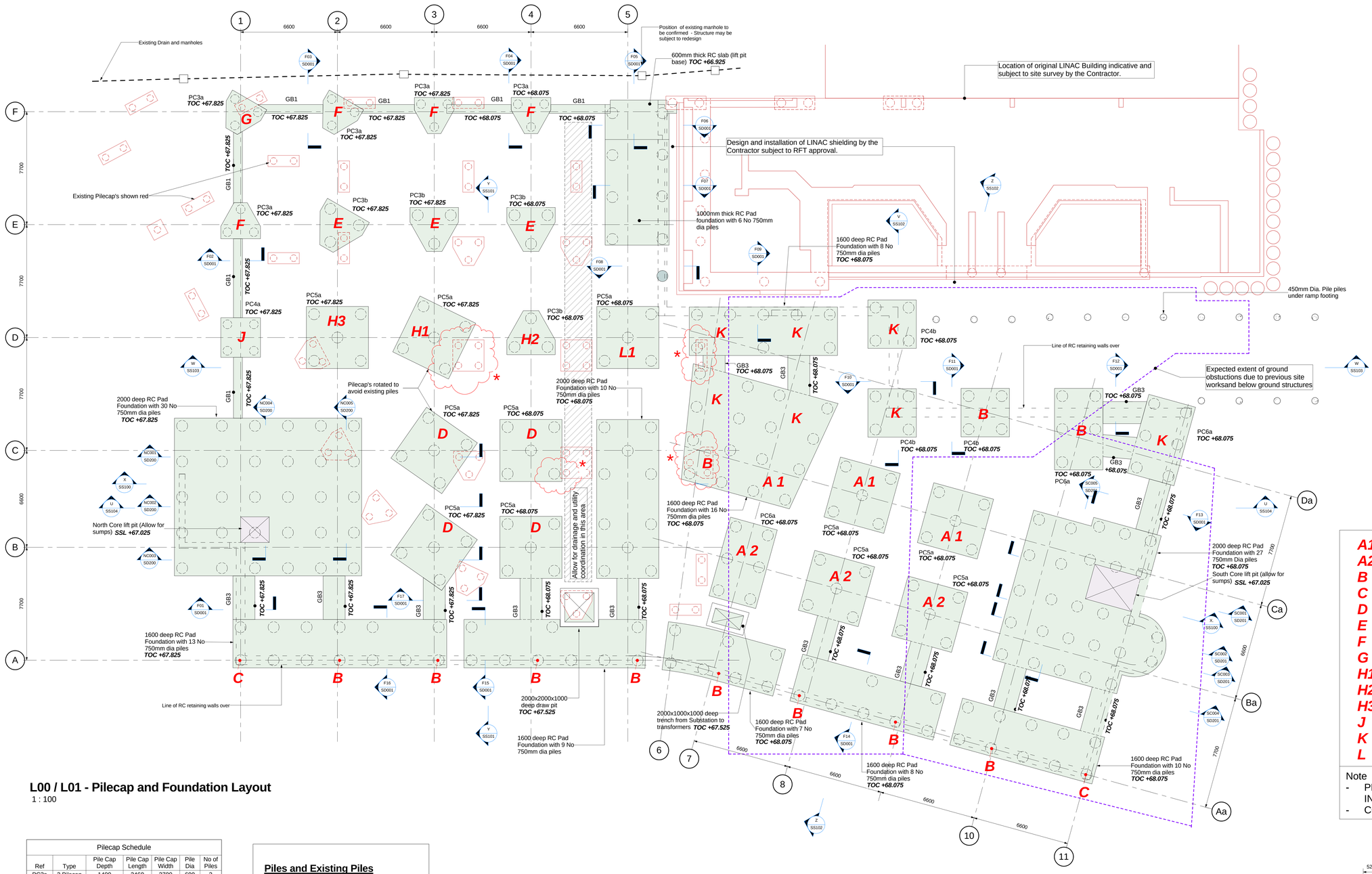


L00 / L01 - Pilecap and Foundation Layout

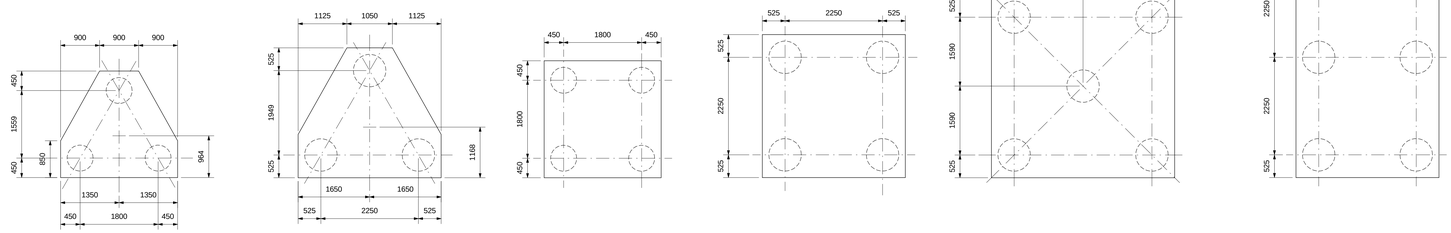
1 : 100

Pilecap Schedule						
Ref	Type	Pile Cap Depth	Pile Cap Length	Pile Cap Width	Pile Dia	No of Piles
PC3a	3 Pilecap Type A	1400	2460	2700	600	3
PC3b	3 Pilecap Type B	1600	3000	3300	750	3
PC4a	4 Pilecap Type A	1400	2700	2700	600	4
PC4b	4 Pilecap Type B	1600	3300	3300	750	4
PC5a	5 Pilecap Type A	1600	4230	4230	750	5
PC6a	6 Pilecap Type A	1600	5550	3300	750	6

Piles and Existing Piles

Note : The layout of the ALL piles shown above is indicative and subject to the Contractor's design. The existing piles need to be surveyed to confirm their location and the new foundations designed to suit.

* Typically the new foundations will be detailed to avoid the existing piles. Allow for increased pile caps to bridge over piles



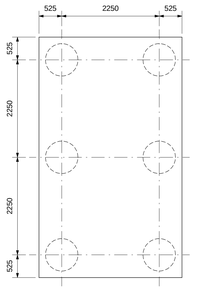
3 PILECAPS Type PC3a
600mm dia piles

3 PIlecap Type PC3b
750mm dia piles

4 PIlecap Type PC4a
600mm dia piles

4 PIlecap Type PC3b
750mm dia piles

5 PIlecap Type PC4a
750mm dia piles



6 PIlecap Type PC6a
750mm dia piles

THIS DRAWING IS TO BE READ IN COLOUR

NOTES

1. The location of the existing piles are indicative and for information only. The piles need to be surveyed prior to the design of the new piles allowing for construction tolerances. The contractor needs to account for clashes with the existing foundation element in their design.

Concrete Beam Schedule	
Ref	Type
CB1	500x2000 deep Downstand beam
CB2	1000x1000 deep RC Footing
CB3	800x1500 dp RC Transfer beam
CB4	800x1300 dp RC Transfer beam
CB5	450x450 dp RC Transfer beam
GB1	600x600 RC Ground beam
GB3	1500x1500 RC Ground beam

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
F	EMPLOYERS REQUIREMENTS	SP	MM	16/01/15
E	DRAFT STAGE E ISSUE	SP	MM	09/01/14
D	Redrawn at 1:100 - This drawing supercedes & replaces drawing No (16)001 - Issued for Coordination	SP	GD	23/12/14
C	BIM Coordination Issue	SP	MM	24/10/14
B	Stage D Issue	SP	MM	03/10/14
A	DRAFT Stage D Issue	SP	SH	22/08/14
-	Stage C Issue	SP	MM	23/05/14

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PROJECT NAME: Pears Building

PROJECT NO: P2005878

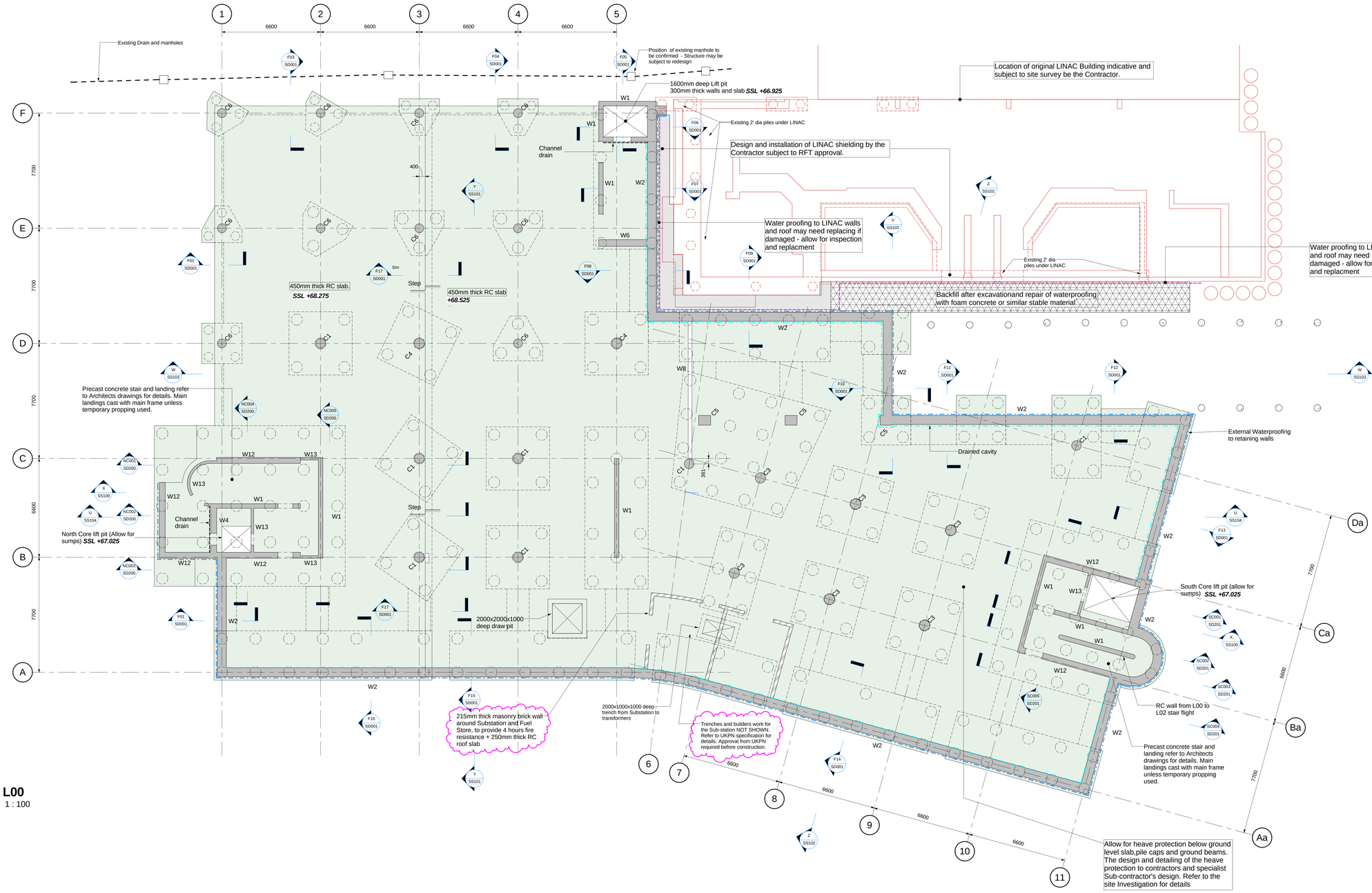
DRAWING TITLE: Pilecap and Foundation Layout

SCALE: As indicated @ A0

DATE: Nov 14

DRAWING No: (16) SP100

REVISION: F



L00
1 : 100

AREAS SUBJECT TO FURTHER DESIGN DEVELOPMENT BY THE CONTRACTOR

THIS DRAWING IS TO BE READ IN COLOUR

NOTES

1. Basement Grade 3 to BS 8102:2009 to all areas below ground. Retaining walls to achieve this grading, a secondary waterproofing system, such as an internal drained cavity system or an external membrane.

2. The L00 slab to be designed for potential clay heave and hydrostatic forces – refer to the Site Investigation.

3. Water storage tanks might require additional foundation support elements.

4. Concrete car park finishes and protection to allow for exposure to salts. The concrete floor of a car park should be serviceable and resistant to wear from wheeled traffic.

The allowances for reinforcement should be as below: (excludes allowances for laps; curtailments; trimmings etc)

Reinforcements Estimates

ELEMENT	TOTAL
Pile Caps	250 kg/m3
Columns	350 kg/m3
Retaining Walls & Bases	150 kg/m3
Shear Walls	150 kg/m3
Downstand & upstand Beams	250 kg/m3 Typical
Transfer Beams	260kg/m3
Ground Beams	300 kg/m3
Solid Slabs	175 kg/m3
Roof Level L05 Slab	200kg/m3
Ground Slab L00	200kg/m3
Stairs	150 kg/m3

Concrete Column Schedule

Ref	Type
C1	650mm Dia RC column
C3	700mm Dia RC Column
C4	675mm Dia RC Column
C5	800x650 RC column
C6	600mm dia RC Column
C7	550mm dia RC Column

Concrete Beam Schedule

Ref	Type
CB1	500x2000 deep Downstand beam
CB2	1000x1000 deep RC Footing
CB3	800x1500 dp RC Transfer beam
CB4	800x1300 dp RC Transfer beam
CB5	450x450 dp RC Transfer beam
GB1	600x600 RC Ground beam
GB3	1500x1500 RC Ground beam

Concrete Wall Schedule

Ref	Type
W1	300mm thick RC Core Wall
W2	600mm thick RC retaining wall
W3	300 wide RC upstand
W4	400mm thick RC Wall
W6	450mm thick RC Wall
W8	250x600 high RC upstand
W9	200x400 high RC upstand
W10	400mm wide RC upstand
W11	200x500 high RC upstand
W12	400mm thick RC Core Wall
W13	175mm thick RC Core Wall
W14	250mm thick RC Core Wall

H	EMPLOYERS REQUIREMENTS	SP	MM	16/01/15
G	DRAFT STAGE E ISSUE	SP	MM	09/01/15
F	Redrawn at 1:100 - This drawing supercedes & replaces drawing No (20)002 - Issued for Coordination	SP	GD	23/12/14
E	SSL's & slab edge updated	SP	MM	03/11/14
D	BIM Coordination Issue	SP	MM	24/10/14
C	Stage D issue	SP	MM	03/10/14
B	DRAFT Stage D issue	SP	SH	22/08/14
A	BIM coordation Issue	SP	MM	07/08/14
-	Stage C Issue	SP	MM	23/05/14

REVISION DESCRIPTION | DRAWN | CHECKED | DATE

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PROJECT TITLE
Pears Building

P2005878

DRAWING TITLE
Level 00 Plan

SCALE @ A0
1 : 100

DATE
Nov 14

DRAWING NO
(20) SP101

REVISION
H