

careful cleaned of all soil. The sides of the excavation and formation

falling into the excavation. The concrete shall be carefully compacted by

stability of the sections of the foundations that have suffered structural movertient only and are not intended to include preventive underpinning

final dipth should be agreed on site with the contract administrator and

Under Under

above shown on the layout plan are indicative only - their final alignment must by agreed on site between the contract administrator and building

A) Not more than 25% of the total area to be underpinned is to be left in

packing. 75mm minimum dry pack to be rammed between the underside of the existing featings and the top surface of the underpinning bay. Dry agent (Rebgraut or similar) with only enough water to hold mix together.

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		Shape Code	A mm	B	C mm,	D	E/R mm	
1	100	1 0	250	190	130	-	agena silan Agena	1
-	1800	11	1500	199				
	4325	51	\$90	190	120	120		
	2300	21	1090	160	1090			
	1775	21	690	420	690			
	1325	21	475	420	475			
	3275	11	3150	160				
		Length of berimm) 1 (1000) 18000 1325 2300 1775 1325	Langth of base Code 51 5000 11 1325 51 2300 21 1775 21 1325 21	Langth of belimm) Shape Code A mm 1000 57 250 1800 11 1590 4325 51 390 2300 21 1090 1775 21 690 4325 21 475	bill (mm) Code mm mm mm 1 1000 51 250 190 3600 11 1590 199 4325 51 390 190 2300 21 1090 160 1775 21 890 420 4325 21 475 420	Langth of basisment) Shape Code A mm B mm C mm, mm 1000 51 260 190 120 1800 11 1590 199 120 1325 51 390 190 120 1325 51 390 190 120 1775 21 690 420 690 1325 21 475 420 475	Langth of bestimm) Shape Code A mm B mm C mm D mm 1000 57 250 150 120 120 120 1800 11 1590 166 120 120 120 1325 51 390 190 120 120 120 1775 21 690 420 690 1325 1325 1475 420 475	Langth of bestimen) Shape Code A mm B mm C mm D mm E/R mm 1000 51 250 190 126 126 126 126 1800 11 1500 199 120 120 120 120 1325 51 390 190 120 120 120 120 1775 21 690 420 690 1 1 1 1 1325 21 475 420 475 1

General

Do not scale off this drawing, except for planning purposes, the contractor shall check all dimensions and levels on site prior to demolition of the existing structure.

Any discrepancies are to be notified to the Contract Administrator (C.A). Contractor to locate all services prior to commencement of works & liaise with the C.A.

This drawing is to be read in conjunction with Cunningham Lindsey standard contract documentation & all other relevant contract documentation, unless alternative arrangements have been agreed. Layout is to remain unaltered unless otherwise agreed with contract administrator. All temporary works are to be designed & detailed by the

contractor including the provision for pumping, shoring & propping. All excavations and exposed foundations are to be adequately supported by the contractor at all times in accordance with health and safety provisions.

All works to be in accordance with current building regulations. All services to be located by contractor prior to commencement of any

works on site. All proprietary products are to be installed strictly in accordance with manufacturers recommendations.

On completion of the works the contractor is to be responsible for reinstating the surrounding ground finished surface to its original state.

Concrete

All work to be in accordance with BS 8110. All mass concrete for foundations to be min. C25/30.

All reinforced concrete to be Grade C32/40, and to have Class 2 concrete sulfate resistance. Water : Cement ratio to be 0.55. (ratio may change depending on the requirements of BS EN 206-1/BS 8500). Minimum cement content to be 325 Kg / cu.m.

All concrete to be vibrated.

No site batching unless authorised by contract administrator and design engineer.

The contractor must ensure that clayboard voidformer is installed to the manufacturers requirements, including the provision and installation of the voldpak system.

Piles - SWL As Shown

Pile location as per plan.

Plies to be designed and installed by specialist pliing contractor with an appropriate factor of safety. ASUC Gurantee or equivalent insurance. backed Guarantee to be provided.

Piles are to have a minimum sleeve length of 3m.

Specialist calculations are to be submitted to the local Authority 21 days prior to the commencement of the works, for approval.

All piling work is to be designed and installed in accordance with BS 8004 : 1986 Section 7 and I.C.E 'Specification for piling and embedded retaining walls'. Plie reinforcement to be cut and bent a minimum of 1000mm into slab or

beams. All piles are to have a 50mm embedment into the reinforced slab or

Reinforcement

Cover to all reinforcement to be 50mm.

All reinforcement denoted 'H' to be high yield Grade B500A, B or C to BS4449:2005 bent in accordance with BS 8666:2005.

Laps to H20 bars to be 750mm minimum.

Laps to H16 bars to be 625mm minimum.

Laps to H12 bars to be 475mm minimum

Laps to H10 bars to be 400mm minimum

Laps to mesh to be 400mm minimum.

B	RA	06.11.07	Under	pinning layout altered					
A	RA	17.09.07	Drawir	ng (amended &) approved by Lead Office					
REV	DRAWN	DATE	DESC	RIPTION					
	2 nd floor De Solent Busin	sign Office, Sol ess Park, White Hants , PO15 7/	lent House sley	ham Ø Lindsey					
JOB									
31 Heath Drive Limited									
SITE ADDRESS									
31 Heath Drive,									
London									
NW3 7SB									
		I	UVVJ	/50					
PROJ	ECT	Diloc	Lund	erpinning to main					
				•					
Property and new piled raft to									
step area									
DRAW	ING TITLE								
	Ρ	lans, de	etails	and Sections					
INITIA	L DRG DATE			DRAWN BY					
	Augus	st 2007		Richard Abraham					
SCAL	-	-		CHECKED BY					
	As S	hown		20					

DRG No. Rev. 101 B

REFERENCE

2360106