

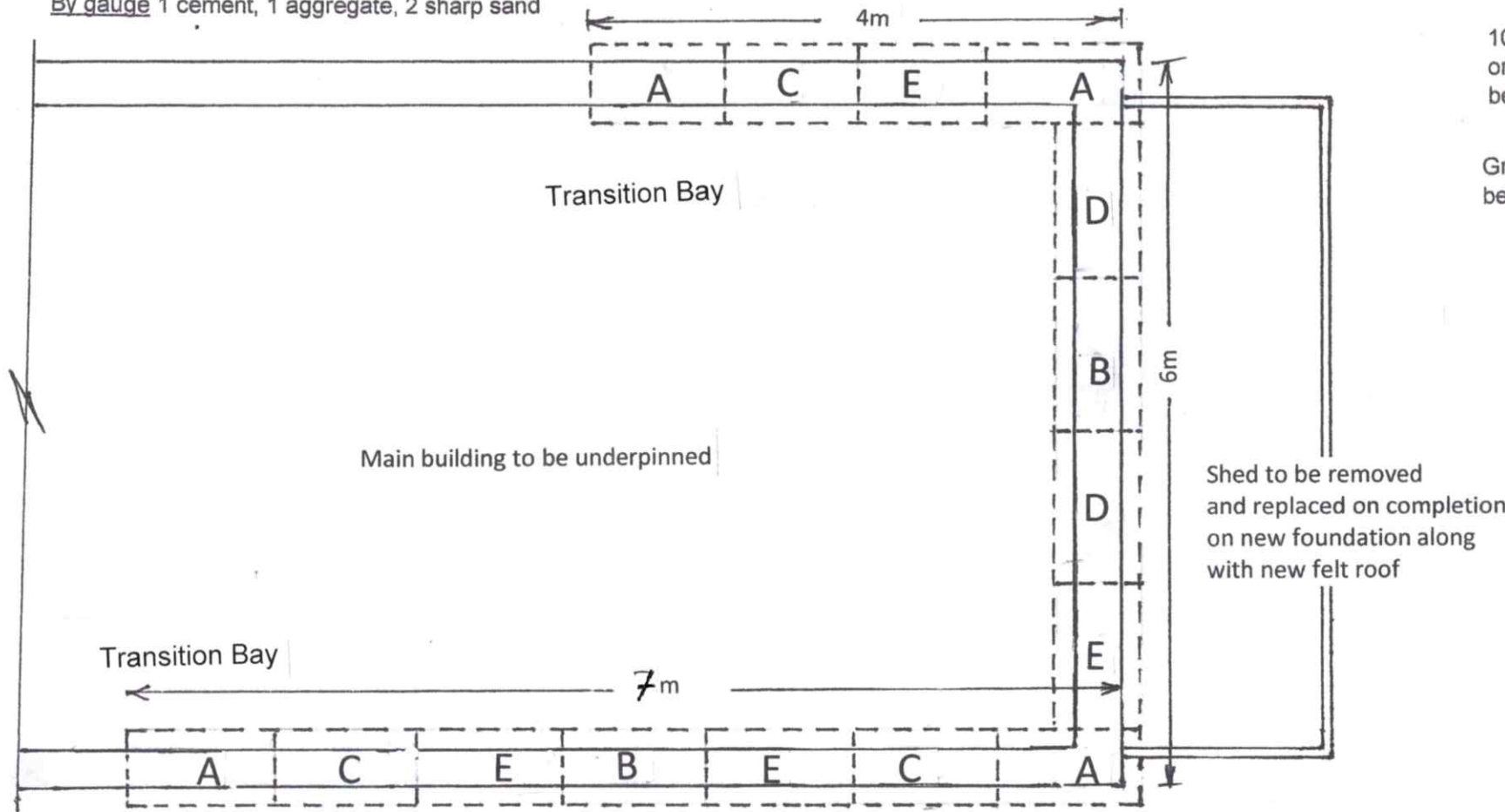
Note. All dimensions to be checked and verified on site by Contractor

Batching requirements for C35 Concrete:

Using Ballast
By gauge 1 cement, 3 ballast

Using sand / aggregate
By gauge 1 cement, 1 aggregate, 2 sharp sand

Proposed Underpinning Bays not to exceed 1100mm in width



Plan Underpinning Bays and Sequence

EACH UNDERPINNING BAY TO BE INSPECTED BY LOCAL AUTHORITY BUILDING INSPECTOR

Underpinning Sequence

- Operation 1 Pins A
- Operation 2 Pins B
- Operation 3 Pins C
- Operation 4 Pins D
- Operation 5 Pins E

A minimum of 48 hours to be left after casting pin before Dry Pack installation begins

A minimum of 48 hours must be left following dry packing before adjacent pin is excavated

Underpinning depth to be 2000mm below ground level Or as directed by the Local Authority Building Inspector

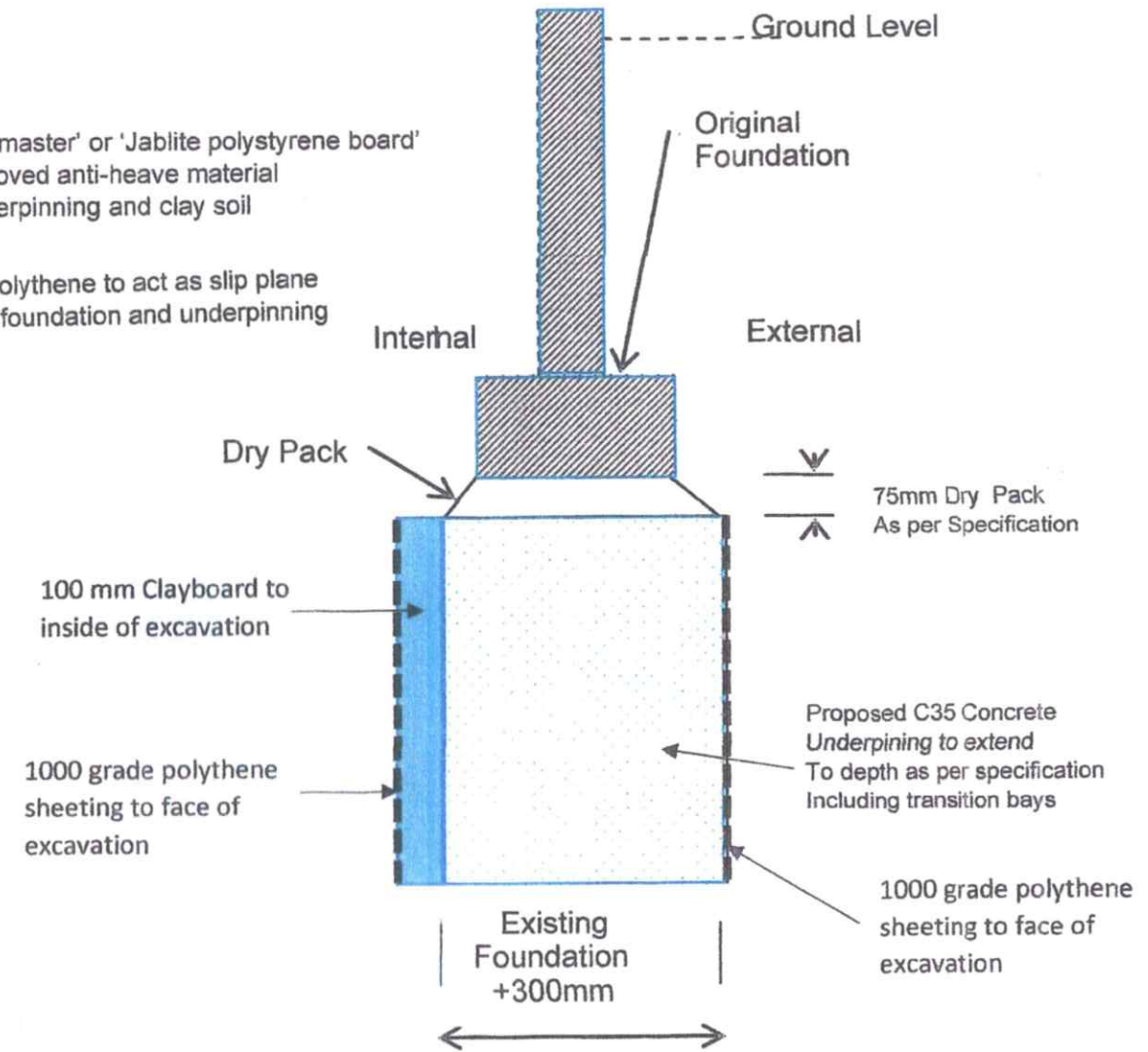
Transitional Underpinning depth to be 1000mm below ground level Or as directed by the Local Authority Building Inspector

Exposed face of any underpinning to be fair faced shuttered

150mm polystyrene blocks to be cast into underpinning bay and melted when concrete cured to form key to adjacent underpinning bay

100mm 'Claymaster' or 'Jablite polystyrene board' or other approved anti-heave material between underpinning and clay soil

Grade 1000 polythene to act as slip plane between new foundation and underpinning



Underpinning Detail

Dry Pack Specification

Dry Pack should be 'PAREX Pack C' or similar approved And should be rammed into the gap between the underside of the Existing foundation (having first cleaned the concrete) and the top of the underpinning bay. The Dry Pack should be installed in accordance with manufacturer's instructions

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<p>Drg By Eur Ing David J Allcott BSc(hons) C.Eng, C.Buld.E, MICE, MICAB, AssRICS</p>	<p>Proposed Wall Underpinning</p>