

CONCRETE SPECIFICATION
EARTH & SITE WORKS

- Contractor shall remove vegetation / organic matter from site prior to commencement of the concrete works. Top soil and organic matter must not be used as fill material.
- Excavated material that is highly or extremely reactive is not suitable to be used as fill. Fill material should be imported, approved and nonreactive material with a minimum CBR 15. The fill material is to be installed in strict accordance with relevant Australian Standards, compacted in layers of 150mm maximum depth and be of at lease 98% Standard Dry Density. A geotechnical engineer should be engaged to test and ensure nonreactive fill and minimum prescribed Standard Density.
- Where applicable, fill behind brick bases is to be rolled fill in accordance with AS 2870.
- The bearing capacity of founding material is to be not less than 100 kPa unless noted otherwise; bearing capacity must be confirmed on site prior to commencement by a geotechnical engineer.
- Before placing concrete ensure that loose soil, mud or sitting water is removed from the excavated based base.
- Before installing reinforcement, install waterproof membrane universally under the slab, sheets shall be lapped minimum 200mm and taping all penetrations and joints within the film. Membrane to be 0.2mm thick and placed on minimum 50mm maximum 100 mm approved bedding sand.
- The contractor is to ensure that ttermite treatment be carried out in accordance with relevant Australian Standards by a suitably qualified technician.

CONCRETE

- Provide workmanship and materials in accordance with AS 3600, the SAA standards cited within AS 3600, the drawings and specifications.
- Specification and Supply of Concrete to be in accordance with AS 1379.
- Footings shall have a minimum concrete strength of 20 MPa.
- Slabs shall have a minimum concrete strength of 25 MPa.
- Unless noted otherwise slump shall be 80 mm and an aggregate size of 20 mm.
- All concrete shall be cured with an approved method for a minimum of seven days unless noted otherwise.
- Mesh fabric and trench mesh are to comply with AS/NZS 4671.
- Concrete in footings & slab beams shall be mechanically vibrated & reinforcement shall be fixed in position by approved bar chairs (plastic or concrete) or ligatures or both.
- Ensure reinforcement is adequately supported to achieve required cover. Unless noted otherwise chairs shall be installed a minimum of 1000 mm each way. Mesh shall be chaired 600 mm each way.
- Unless noted otherwise on plans, the cover to reinforcement shall be :-
Foundations 50mm
Slabs 30mm

DRAINAGE

- Finished slab level shall be a minimum of 225 mm from finished ground level or as specified by Local Authority.
- During construction, run-off must be collected and transported away from the building. Excavations near the edge of footings must be filled in a way that prevents water from penetrating and tracking along excavations; sand or gravel should not be used as backfill material.
- Surface run-off shall drain away from foundations using adequate earthworks falls.
- Services that are parallel to the foundation beams must not be located closer than one meter to the foundation. Where services penetrate foundations they shall be sleeved. Joints in plumbing pipes within 3.0m of the house must be articulated to accommodate ground movements; jointing detail is to be provided by a suitably qualified hydraulic engineer / designer (not by Olivotto Consulting).

NOTES FOR THE BUILDING OWNER

- Olivotto Consulting requests that the building owner reads and adheres to 'Foundation Maintenance and Footing Performance: A Homeowner's Guide' by CSIRO.
- Trees cause damage to buildings and should not be planted closer than 2.5 times their mature hight to the footings/foundations/slabs.
- A moderate degree of shrinkage cracking to the residential slab may occur as the concrete dries out. The relevant Australian Standard allows for these cracks and the slab has been designed so that the structural capacity is not reduced. A flexible adhesive under tile floors and similar rigid finishes is recommended.

NOTE :-
CONTRACTOR TO VERIFY ALL
INFORMATION, LEVELS AND DIMENSIONS
ON SITE PRIOR TO COMMENCEMENT

NOTE :-
FRAMING PLANS MUST BE PROVIDED TO
OLIVOTTO CONSULTING PRIOR TO
CONSTRUCTION TO CONFIRM LOAD
BEARING WALL LOCATIONS.

NOTE :-
REFER ALSO TO DRAWINGS BY:
STRUXI DESIGN REF 232057 B1 &
232057.S-BE

"C2" WIND CLASSIFICATION HAS BEEN
ALLOWED FOR IN DESIGN AS PER AS 1684.3

IF FILL EXCEEDS 300mm CONTRACTOR
MUST CONTACT OLIVOTTO CONSULTING
FOR REDESIGN.


NOTE :-
VERIFY LOCATION & DEPTH OF ALL
EXISTING IN-GROUND SERVICES PRIOR TO
COMMENCEMENT OF CONSTRUCTION

NOTE :-
REFER TO SITE CLASSIFICATION REPORT
No. GT23-292-006R REV 1 BY ETS
GEOTECHNICAL

NOTE :-
ALL SET-OUT DIMENSIONS, FLOOR LEVELS,
SETDOWNS / FALLS ETC. MUST BE VERIFIED
ON SITE & WITH ARCHITECTURAL DWGS
PRIOR TO COMMENCEMENT OF
CONSTRUCTION.

SAFETY IN DESIGN

- Notice to all persons who commissioned the design work depicted in these documents. This notice is also relevant to all those involved in the construction of the works, its operation and demolition.
- The construction of these works involves activities which has some risk to the health and safety of those:
 - involved in the construction, and those who are not involved in the construction but enter the construction site.
 - who use the facility. This facility requires maintenance to maintain its intended level of safety. Note that maintenance activities also carry health and safety risks.
- The eventual demolition of these works will involve activities which has some risk to health and safety.
- Please contact Olivotto Consulting for information and assistance with minimising these risks.

OLIVOTTO CONSULTING	A.B.N. 85 637 763 896 A.C.N. 637 763 896 PO Box 663, Potts Point NSW 1335	NORTH PENINSULA REGIONAL COUNCIL PROPOSED RESIDENCE LOT 325 SP273361 325 POI POI ST BAMAGA QLD 4876	NOTES						
	PO Box 7047, Holland Park East QLD 4121		Issue For Construction	07/11/2024	MO	D	Scale: <i>As Shown (Don't Scale DWG)</i>	Rev:	
	1-152 Palmerin St, Warwick QLD 4370		Issue For Construction	02/09/2024	MO	C		D	
			Issue For Approval	23/05/2024	MO	B	Certified: 	Project No.: 23372_BE_B1	No: 1
			Issue For Approval	26/04/2024	MO	A	Drawn: BH		
		Description:	Date:	By:	Rev:	Page 1 of 8			