

Certification Dated : 21st October 2026

Our Reference : JB99394

Client: **TERRA TANKS PTY LTD**
17 Treeby Street,
Coolbellup, WA 6163

Attention: **Mr Eduardo Morales**

RE : **CERTIFICATE OF DESIGN COMPLIANCE**
ABOVE GROUND GALVANISED STEEL PLUNGE POOL – URBAN PLUNGE POOL (Ø1.8m x 0.61m)

Following your request, a representative from this office was appointed to check and certify the structural design of the pre-fabricated above ground galvanised steel plunge pool under the Urban Plunge Pool model.

This certificate is issued in relation to the proposed building work for construction of a swimming pool.

We certify that the structural design of the Urban Plunge Pool, as detailed in the documents listed below, has been designed in accordance with the widely accepted engineering principles and the referenced codes of practice and is therefore considered structurally adequate:

Reference documentation

Document	Pages	Revision	Dated
Engineering drawings JB99230-UP-01 to UP-03	3	A	16/09/2026
Slab Calculations JB99394-CALC-01	7	0	16/10/2026

Basis of certification

- **NCC 2022 AMENDMENTS 1 & 2**
- **AS/NZS 1170.0:2002** – *Structural Design Actions – General Principles*
- **AS/NZS 1170.1:2002** – *Structural Design Actions – Permanent, Imposed & Other Actions*
- **AS/NZS 1170.2:2021** – *Structural Design Actions – Wind Actions*
- **AS 4100-2020** – *Steel Structures*
- **AS/NZS 4600-2018** – *Cold-formed Steel Structures*
- **AS3600:2018** – *Concrete Structures*
- **AS3633:1989** – *Private Swimming Pools – Water Quality*
- **AS 2870:2011** – *Residential Slabs and Footings*

We also confirm that the pool can safely withstand the full hydrostatic pressure at 550mm water depth. We certify that the installation of this pool is not site-specific and is suitable for site classifications A, S and M on any base detail shown on the engineering drawings, and for site classifications H1 and H2 (up to 75 millimetres of characteristic surface movement) on a 150 mm thick reinforced concrete slab, using either the concrete base or the raised decking detail only. Paver, compacted pad and in-ground installations on H1 and H2 sites, and all installations on sites classified P or E, require site-specific design by a qualified engineer.

This certification covers the structural design of the pool shell and its supporting base. It excludes pool safety barriers, which remain the responsibility of the pool owner, and the compliance of supplied hydraulic equipment with AS 1926.3, which remains the responsibility of the supplier.

This certification is limited to the documentation supplied and compliance with the requirements of the published codes of practice listed, and should not be used for any other purpose. Subi Smartz Consultants Pty Ltd accepts no responsibility for information that has not been expressly identified as part of this assessment. This certification may be relied upon by Terra Tanks Pty Ltd, its customers, and the relevant building surveyor, building certifier or permit authority, solely for the purpose of obtaining building approval for the installation of the model named above in accordance with the referenced engineering

drawings. It should not be relied upon for any other purpose, for any other product, or where the installation departs from the referenced drawings.

Should you have any questions regarding the above or require further assistance please contact the undersigned.

Company name	Subi Smartz Consultants Pty Ltd
Name of competent person	Chong S. Liew
Registration no.	PRE0001941
NER membership No.	4512871
Address of designer	Unit 6, 10 Shields Crescent, Booragoon WA 6154
Business phone	0432 778 424
Certificate expires	21 October 2027

Yours Faithfully
Subi Smartz Consultants Pty Ltd



Chong S. Liew, Steve
Chartered Professional Structural Engineer
MIEM, MICE, MIEAust, ASEAN Eng.C.Eng_(UK),
P.Eng, C.PEng_(Aust), NER, RPEQ, P.E._(USA), BEP135