

## CERTIFICATE OF ENGINEERING SUFFICIENCY

<b>CLIENT:</b>	EV Blocks (Australia)
<b>DESCRIPTION OF WORK ASSESSED:</b>	B600 & B800 Universal Pre-Cast Concrete Electric Vehicle (EV) Block Charger Foundations
<b>DATE:</b>	23 April 2025
<b>REFERENCED DRAWINGS:</b>	Refer Attached Engineering Drawings (2 No.)

I **certify** that:

- I am a Practising Structural Engineer.
- I have **analysed** and **checked** the following work:

### **B600 & B800 UNIVERSAL PRE-CAST CONCRETE EV CHARGER BLOCK FOUNDATIONS**

I confirm having undertaken analysis, checking and assessment of the two standardised pre-cast concrete constructs, namely:

- B600: 559mm x 559mm x 610mm Deep, Net Weight = 295 kg, Concrete Strength Grade = S28 Grade
- B800: 800mm x 800mm x 600mm Deep, Net Weight = 658 kg, Concrete Strength Grade = S28 Grade

The Engineering Assessment of the Pre-Cast EV Charger Block Foundations has been undertaken in accordance with the following Australian Standards:

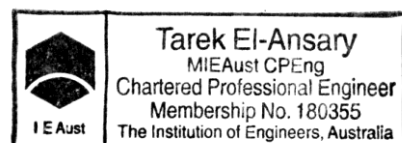
- AS/NZS 1170.2 – 2021 Wind Actions (for Region B)
- AS/NZS 1170.1 – 2002 Structural Design Actions, Part 1: Permanent, Imposed & Other Actions
- AS 3600 – 2018 Concrete Structures

**RESULT OF ASSESSMENT |** THE PRE-CAST CONCRETE EV CHARGER BLOCK FOUNDATIONS ARE STRUCTURALLY SATISFACTORY AND COMPLY WITH THE AUSTRALIAN STANDARDS CITED ABOVE

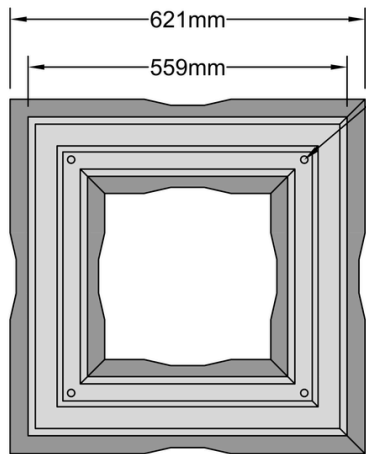
- To the best of my knowledge, the structural elements **inspected** and **checked** are deemed to be sufficient, sound and stable for the intended purpose for which they are to function and be used, in accordance with applicable SAA Codes and Standards and Statutory provisions.

Signature: 

**Tarek M. El-Ansary**, BE(Civil) MEngSc(Civil)  
Consulting Structural Engineer  
Adjunct Professor, School of Design and the Built Environment  
University of Canberra



ITEM:	QUANTITY:	SPECIFICATION:
CONCRETE	0.13 CUBIC METERS	MIN. 27.6 MPa @ 28 DAYS
ADAPTOR PLATE	1	COMPOSITE MATERIAL, ANSI TIER 15 RATED, SLIP RESISTANT SURFACE
EMBEDDED ANCHORS	4	M12 x 50mm PLASTIC NC THREADED INSERT
SECURING SCREWS	4	M12-2.5 x 75mm STAINLESS STEEL, TAMPER RESISTANT, BUTTON HEAD



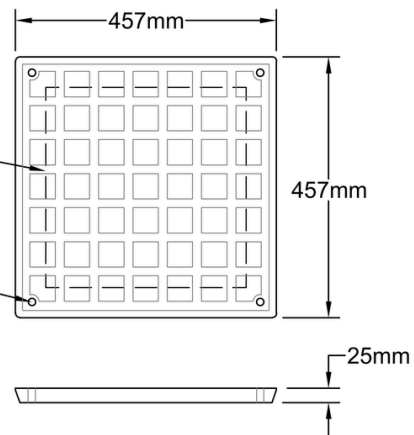
PRODUCT TOP VIEW

NTS

EMBEDDED  
ANCHOR POINT  
(4 THUS)

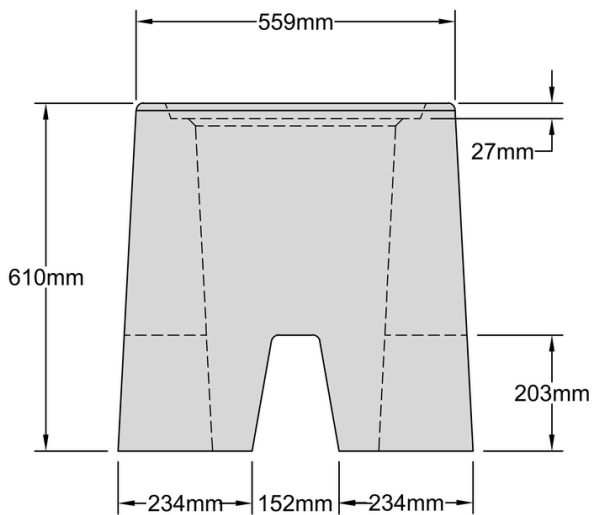
APPROX.  
BOLTING AREA =  
330mm x 330mm

SECURING  
SCREW  
LOCATION  
(4 THUS)



ADAPTOR PLATE DETAIL

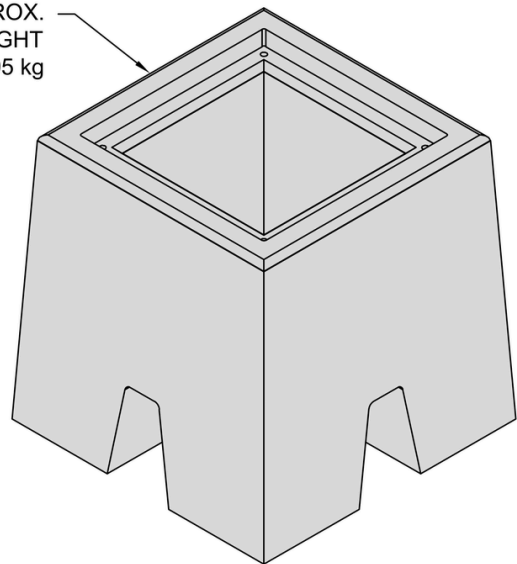
NTS



PRODUCT SIDE VIEW

NTS

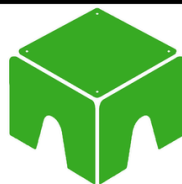
APPROX.  
WEIGHT  
295 kg



PRODUCT ISO VIEW

NTS

Disclaimer: This drawing has been prepared by EV Blocks, Ltd. and to the best of its knowledge, accurately represents the product use in the application that it is illustrated. Anyone making use of this drawing does so at their own risk and assumes all liability for such use. Final design for construction purposes must be completed by a Registered Professional Engineer who is familiar with the product and who has taken into account specific site conditions.



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## EV BLOCK STANDARD PRODUCT TYP DETAIL

EV BLOCKS - NORTH AMERICA  
612.474.0089  
evblocks.com/us

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## B800D EV BLOCK - DATA SHEET

- Pre-Cast Concrete EV charger base with a universal adaptor plate
- Blocks can be fitted for future-proofing an installation
- Uniform finish every time
- 100% Recyclable
- Can be installed in any weather conditions
- Made with 35% reduced carbon concrete



 <b>LENGTH</b>	<b>800mm</b>	 <b>BLOCK WEIGHT</b>	<b>650kg</b>
 <b>WIDTH</b>	<b>800mm</b>	 <b>PLATE WEIGHT</b>	<b>8kg</b>
 <b>HEIGHT</b>	<b>600mm</b>	 <b>EV BLOCK TOTAL WEIGHT</b>	<b>658kg</b>

