

**Building Act 1993**  
*Section 238(1)(a)*  
**Building Regulations 2018**  
*Regulation 126*

**GENERIC CERTIFICATE OF COMPLIANCE FOR PROPOSED BUILDING WORK**

**This certificate is issued to**

**This certificate is issued in relation to the building work at:** The State of Victoria

**Nature of building work**

Construction of LevelMaster Rod Bracing Set

**Building classification**

BCA Classification: 1 & 10a

**Prescribed classes of building work for which this certificate is issued:**

Design or part of the design of building work relating to Structural matter.

Documents setting out the design that is certified by this certificate:

- Drawing Set – PCE2247.2 - Rev 0. MAY 2024 – Typical Rod Bracing Set
- Design Certification – LEVELMASTER – Rod Bracing Set, MAY 2024

**The design certified by the certificate complies with the following provisions:**

- NCC 2022 Building Code of Australia
- AS 1170.0 2002 Structural design action – General principals
- AS 1170.1 2002 Permanent, Imposed and Other Actions
- AS 1170.2 2021 Structural Design Actions – Wind Actions
- AS 4100 2020 Steel Structures



PEER Consulting Engineers

*More than just engineers!*

PEER Consulting Engineers Pty Ltd  
PROJECT MANAGEMENT • CIVIL • STRUCTURAL

info@peerce.com.au

www.peerce.com.au

07 3841 2046

4B/2404 Logan Road, Eight Mile Plains QLD 4113

I prepared the design, or part of the design, set out in the documents listed above.

I certify that the design set out in the documents listed above complies with the provisions set out above.

I believe that I hold the required skills, experience and knowledge to issue this certificate and can demonstrate this if requested to do so.

This document in no way reduces the responsibilities of the architect, builder or installer in the design and construction of this building.

### Endorsed building engineer

Full Name	Mengting Zhao
Address	PEER Consulting Engineers 4B/2404 Logan Road, Eight Mile Plains QLD 4113
Email	info@peerce.com.au
Endorsed building engineer area of engineering	Structural
Endorsed building engineer registration number	PE0005236
Date of issue of certificate	01/05/2024
	This certificate expires on 30/04/2025

Signature

## Generic Structural Design Certificate LEVELMASTER – Rod Bracing Set

01/05/2024

To whom it may concern,

We, **PEER Consulting Engineers** certify that we have designed and reviewed the LevelMaster Rod Bracing Set as detailed on the listed drawing below, and they have been designed in accordance with widely accepted engineering principles and the referenced codes of practice. This certificate is limited to the structural design only and no responsibility is taken for any loss, damage or failure resulting from the method of construction or wind exceeding the design wind rating nominated.

### Referenced Codes of Practice and Manuals:

NCC 2022 Building Code of Australia  
AS 1170.0 2002 Structural design action – General principals  
AS 1170.1 2002 Permanent, Imposed and Other Actions  
AS 1170.2 2021 Structural Design Actions – Wind Actions  
AS 4100 2020 Steel Structures

### Referenced Design Documents:

PEER Consulting Engineers Pty Ltd – Drawing Set PCE2247.2 – Rev 0, MAY 2024

PEER Consulting Engineers maintains indemnity insurance concordant with the scope of the undertaken works to the satisfaction of its Client; however, our involvement in this shall in no way be construed of relieving other parties of their legal obligations.

If you require any further information, please do not hesitate to contact us at any time.

Sincerely,



### **Mengting (Nike) Zhao**

B.Eng (1<sup>ST</sup> Class Hons.) MIEAust, RPEQ, RPEng  
Director/  
Principal Civil and Structural Engineer

**\*This certificate expires on 30/04/2025.**

**BRACING NOTES**

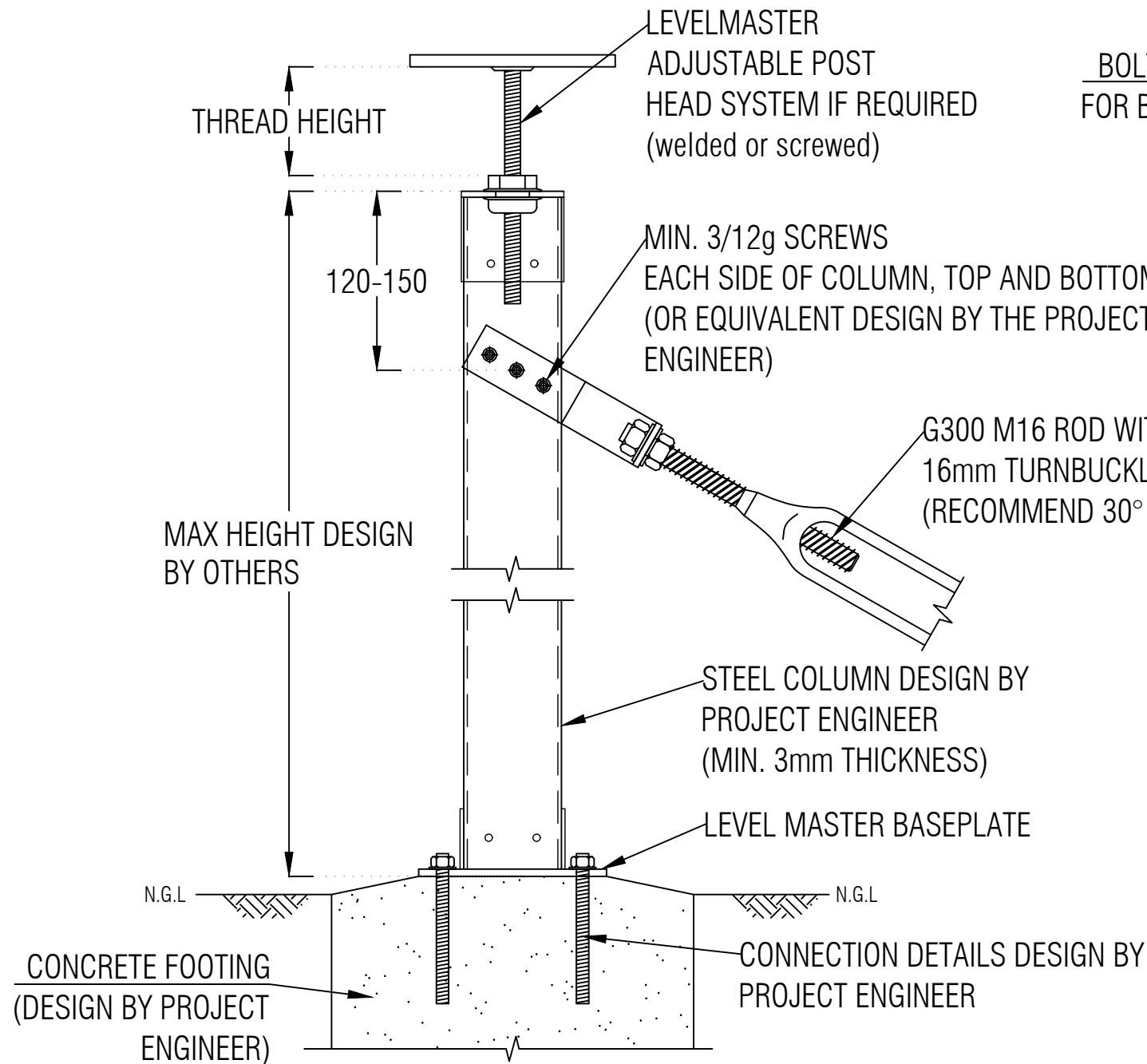
- 1 THREAD HEIGHT MEASURED FROM TOP OF NUT TO UNDERSIDE OF FIXING TOP PLATE.
- 2 CAST IN COLUMNS IS ACCEPTABLE. THE CAST IN DETAILS TO BE CONFIRMED AND DESIGNED BY THE PROJECT ENGINEER.
- 3 BRACING ANGLES IN EXCESS OF 45° MAY REQUIRE ADDITIONAL HORIZONTAL BRACING. THIS IS TO BE DESIGNED BY THE PROJECT ENGINEER.
- 4 BRACING MAY BE FIXED TO BEARERS. THIS IS TO BE DESIGNED BY THE PROJECT ENGINEER TO SUIT THE BEARER BEING USED.
- 5 THE BRACING ROD AND NOTES COVERED IN THIS DRAWING ARE DESIGNED FOR RESIDENTIAL USE ONLY.

**NOTE 1**

THE M16 BRACING ROD (WITH TURNBUCKLE) ASSEMBLY TENSION CAPACITY = 27kN  
PROJECT ENGINEER TO CONFIRM THE FINAL BRACING CAPACITY DEPENDING ON THE ANGLE OF BRACING ROD

ALL SCREWS TO BE (MIN. OR EQUIVALEN TO) CLASS 4 - 12g (24TPI) REFERRING ICCONS PTY LTD.

ALL STEEL TO BE MIN. G250 (U.N.O).



**TYPICAL BRACING SECTION**

N.T.S

BOLT HOLES FOR BEARERS

MIN. 3/12g SCREWS EACH SIDE OF COLUMN (TOP AND BOTTOM)

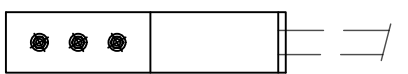
40mm x 3.0mm THICK FIXING BRACKET

COLUMN WIDTH

EXTENDED AT TOP

**PLAN VIEW**  
N.T.S

ROD CONNECTION POINT



**SIDE VIEW**  
N.T.S

**BRACING ROD**

N.T.S

**NOTE 2**

IF THE M16 BRACING ASSEMBLY TO BE USED WITH LEVELMASTER ADJUSTABLE POST HEAD SYSTEMS, THE TOTAL RACKING CAPACITIES COULD BE DOMINATED BY THE POST HEAD COMPONENTS. REFER TO THE TABLE BELOW:

**BRACING SET RACKING CAPACITIES**

THREAD HEIGHT (mm)	TOTAL RACKING CAPACITY (kN)
25	18.0
50	9.0
75	6.0
100	4.5

DO NOT SCALE FROM DRAWING  
ALL SCALES ARE AS SHOWN (A3)

REV.	DESCRIPTION	DATE	INIT.
0	FOR CERTIFICATION	MAY2024	-

**PEER Consulting Engineers**  
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**LevelMaster**  
Stronger. Easier. Faster. ADJUSTABLE HOUSE STUMPS

CONTACT DETAILS  
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PHONE 1300 538 356  
EMAIL info@levelmaster.com.au

PROJECT  
**TYPICAL ROD BRACING SET**

TITLE  
**ROD BRACING CONNECTIONS**

DRAWN	DESIGNED	DATE
-	-	MAY 2024
CHECKED	APPROVED	
N.Z.		
DRAWING No.	REV.	
PCE2247.2 - S01	0	