

**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**

Design 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 1. AUG 2024 – Typical Rod Bracing Set
- Design Certification – LEVELMASTER – Rod Bracing Set, Sep 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

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	01/09/2024
	This certificate expires on 30/04/2025

Signature



# BRACING NOTES

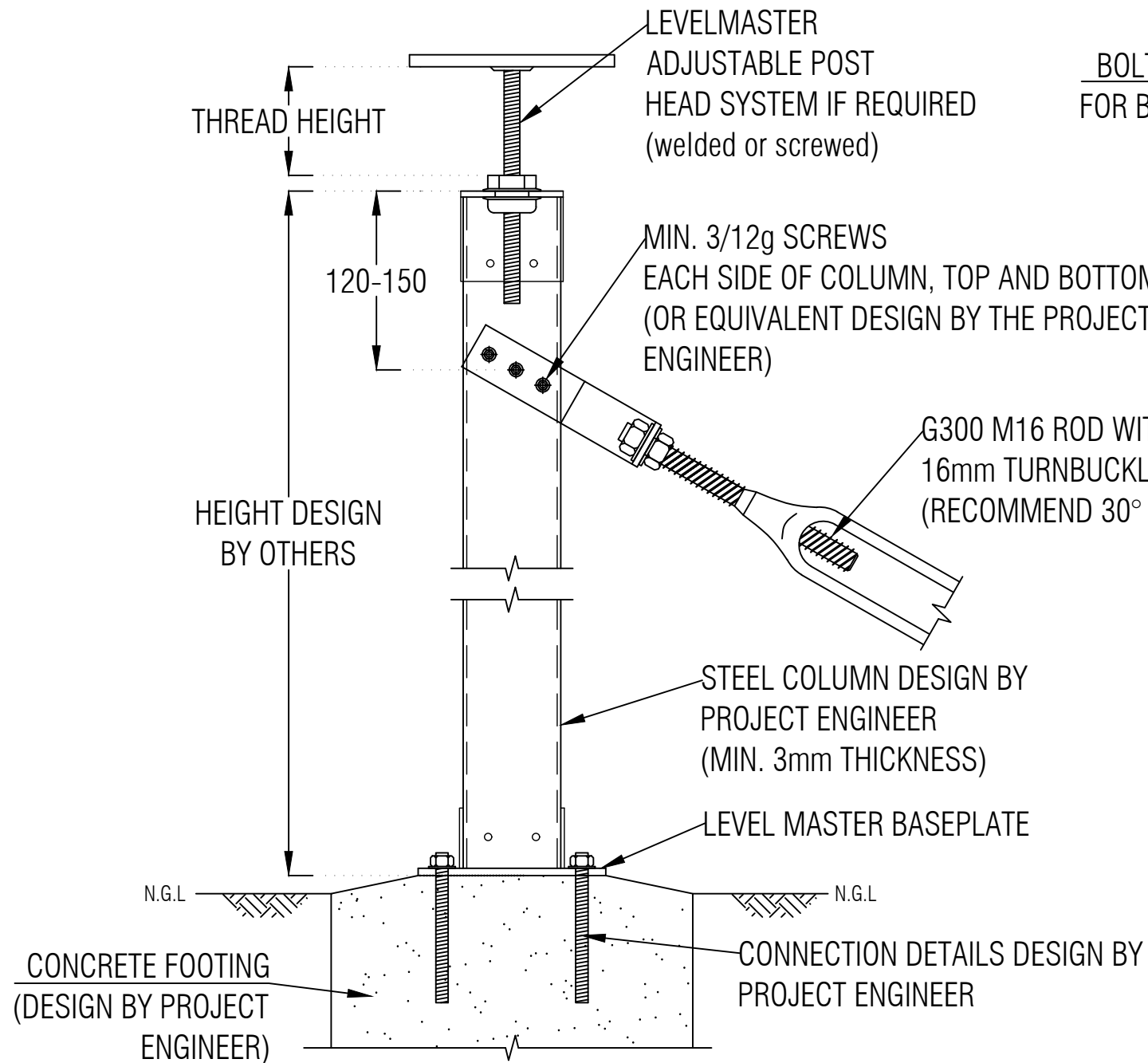
- 1 THREAD HEIGHT MEASURED FROM TOP OF NUT TO UNDERSIDE OF FIXING TOP PLATE.
- 2 CAST IN COLUMNS IS ACCEPTABLE. THE CAST IN DETAILS TO BE CONFIRMED AND DESIGNED BY THE PROJECT ENGINEER.
- 3 BRACING ANGLES IN EXCESS OF 45° MAY REQUIRE ADDITIONAL HORIZONTAL BRACING. THIS IS TO BE DESIGNED BY THE PROJECT 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 = 25kN.\* PROJECT ENGINEER TO CONFIRM THE FINAL BRACING CAPACITY DEPENDING ON THE HEIGHT AND SPAN.

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

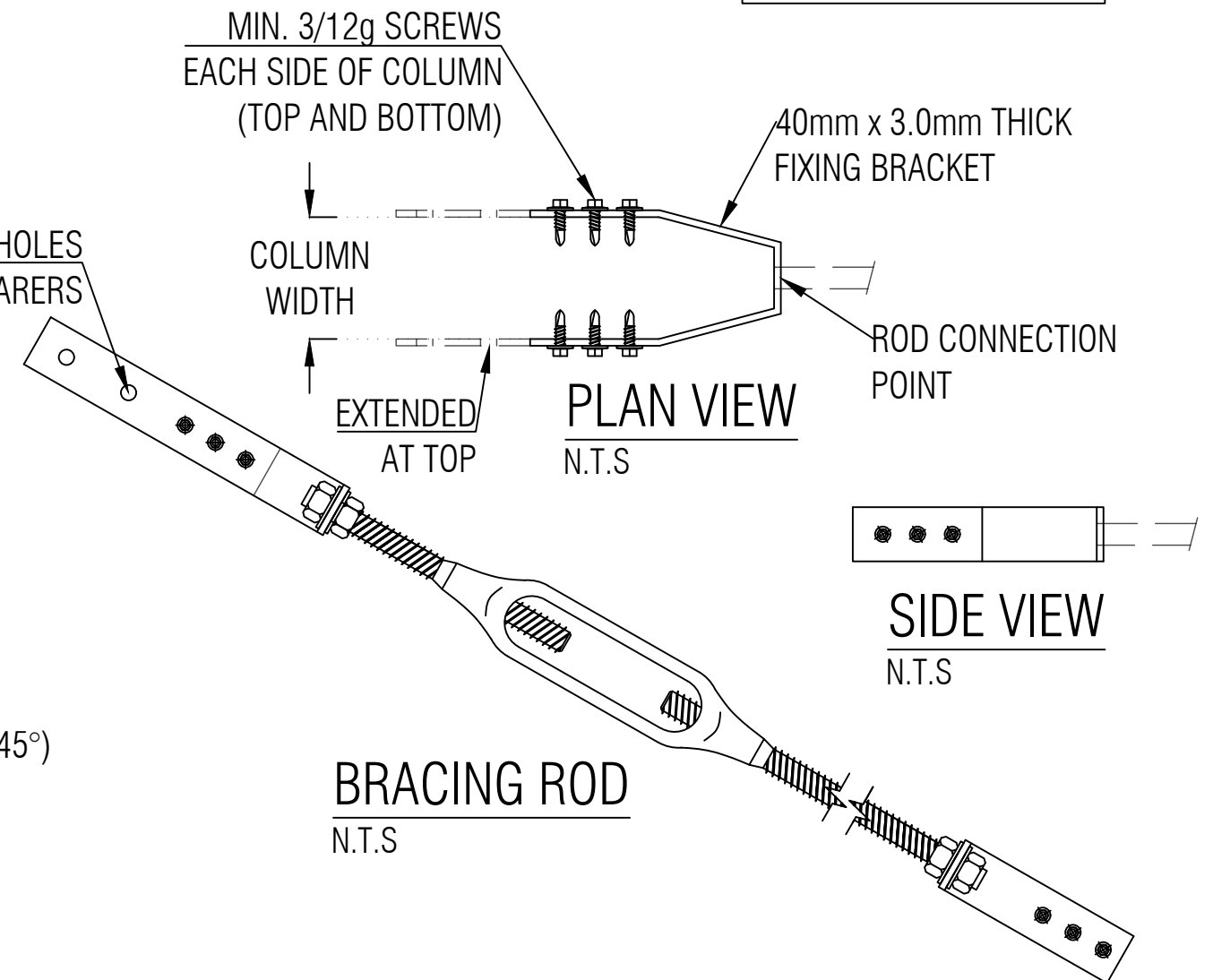
ALL STEEL TO BE MIN. G250 (U.N.O).



## TYPICAL BRACING SECTION

N.T.S

BOLT HOLES FOR BEARERS



## 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 LATERAL CAPACITY OF THE POST HEAD COMPONENTS. REFER TO LEVEL MASTER HOUSE STUMPS - TOP PLATES FOR FURTHER DETAILS.

## NOTE 3

THE MAXIMUM DESIGN LATERAL LOAD ACCORDING TO BRACING TENSION CAPACITY UNDER TYPICAL BRACING ANGLES. (FOR REFERENCE)

MAX. LATERAL LOAD WITH M16 BRACING ROD (ASSEMBLY WITH TURNBUCKLE)

BRACING ANGLE (°)	MAX. LATERAL LOAD (kN)
30	20.5
45	17.0

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

\*BASED ON LABORATORY TESTS.

REV.	DESCRIPTION	DATE	INIT.
0	FOR CERTIFICATION	MAY2024	-
1	FOR CERTIFICATION	AUG2024	-

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**LevelMaster**  
Stronger. Easier. Faster. ADJUSTABLE HOUSE STUMPS

CONTACT DETAILS  
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PROJECT  
**TYPICAL ROD BRACING SET**

TITLE  
**ROD BRACING CONNECTIONS**

DRAWN	DESIGNED	DATE
-	-	MAY 2024
CHECKED	APPROVED	
N.Z.		
DRAWING No.	REV.	
PCE2247-2 - S01	1	