

CERTIFICATE OF THE RESPONSIBLE DESIGNER

Section 94
Section 106
Section 129
Section 155

Form **35**

To: Owner name
 Address
 Suburb/postcode

Designer details:

Name: Category:
 Business name: Phone No:
 Business address:
 Fax No:
 Licence No: Email address:

Details of the proposed work:

Owner/Applicant Designer's project reference No.
 Address:
 Lot No:
 Type of work: Building work Plumbing work (X all applicable)

Description of work:

Description of the Design Work (Scope, limitations or exclusions): (X all applicable certificates)

Certificate Type:	Certificate	Responsible Practitioner
	<input type="checkbox"/> Building design	Architect or Building Designer
	<input checked="" type="checkbox"/> Structural design	Engineer or Civil Designer
	<input type="checkbox"/> Fire Safety design	Fire Engineer
	<input type="checkbox"/> Civil design	Civil Engineer or Civil Designer
	<input type="checkbox"/> Hydraulic design	Building Services Designer
	<input type="checkbox"/> Fire service design	Building Services Designer
	<input type="checkbox"/> Electrical design	Building Services Designer
	<input type="checkbox"/> Mechanical design	Building Service Designer
	<input type="checkbox"/> Plumbing design	Plumber-Certifier; Architect, Building Designer or Engineer
	<input type="checkbox"/> Other (specify)	

Deemed-to-Satisfy: Performance Solution: (X the appropriate box)

Other details:

Design documents provided:	
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The following documents are provided with this Certificate –

Document description:

Drawing numbers:	Prepared by:	Date:
PCE2247.2 – Rev 1	PEERCE	AUG 2024
Schedules:	Prepared by:	Date:
Specifications:	Prepared by:	Date:
Design Certification - LEVELMASTER – Rod Bracing Set	PEERCE	01/09/2024
Computations:	Prepared by:	Date:
Performance solution proposals:	Prepared by:	Date:
Test reports:	Prepared by:	Date:

Standards, codes or guidelines relied on in design process:	
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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

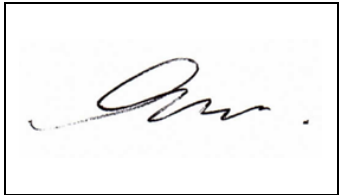
Any other relevant documentation:	
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Attribution as designer:	
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I, Mengting Zhao, am responsible for the design of that part of the work as described in this certificate;

The documentation relating to the design includes sufficient information for the assessment of the work in accordance with the *Building Act 2016* and sufficient detail for the builder or plumber to carry out the work in accordance with the documents and the Act;

This certificate confirms compliance and is evidence of suitability of this design with the requirements of the National Construction Code.

	<i>Name: (print)</i>	<i>Signed</i>	<i>Date</i>
Designer:	Mengting ZHAO		01/09/2024 This certificate expires on 30/04/2025
Licence No:	PE0005236		

Assessment of Certifiable Works: (TasWater)	
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Note: single residential dwellings and outbuildings on a lot with an existing sewer connection are not considered to increase demand and are not certifiable.

If you cannot check ALL of these boxes, LEAVE THIS SECTION BLANK.

TasWater must then be contacted to determine if the proposed works are Certifiable Works.

I confirm that the proposed works are not Certifiable Works, in accordance with the Guidelines for TasWater CCW Assessments, by virtue that all of the following are satisfied:

- The works will not increase the demand for water supplied by TasWater
- The works will not increase or decrease the amount of sewage or toxins that is to be removed by, or discharged into, TasWater's sewerage infrastructure
- The works will not require a new connection, or a modification to an existing connection, to be made to TasWater's infrastructure
- The works will not damage or interfere with TasWater's works
- The works will not adversely affect TasWater's operations
- The work are not within 2m of TasWater's infrastructure and are outside any TasWater easement
- I have checked the LISTMap to confirm the location of TasWater infrastructure
- If the property is connected to TasWater's water system, a water meter is in place, or has been applied for to TasWater.

Certification:	
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I being responsible for the proposed work, am satisfied that the works described above are not Certifiable Works, as defined within the *Water and Sewerage Industry Act 2008*, that I have answered the above questions with all due diligence and have read and understood the Guidelines for TasWater CCW Assessments.

Note: the Guidelines for TasWater Certification of Certifiable Works Assessments are available at: www.taswater.com.au

	<i>Name: (print)</i>	<i>Signed</i>	<i>Date</i>
Designer:	<input type="text"/>	<input type="text"/>	<input type="text"/>

Generic Structural Design Certificate LEVELMASTER – Rod Bracing Set

01/09/2024

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 1, AUG 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 (1ST Class Hons.) MIEAust, RPEQ, RPEng
Director/
Principal Civil and Structural Engineer

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

BRACING NOTES

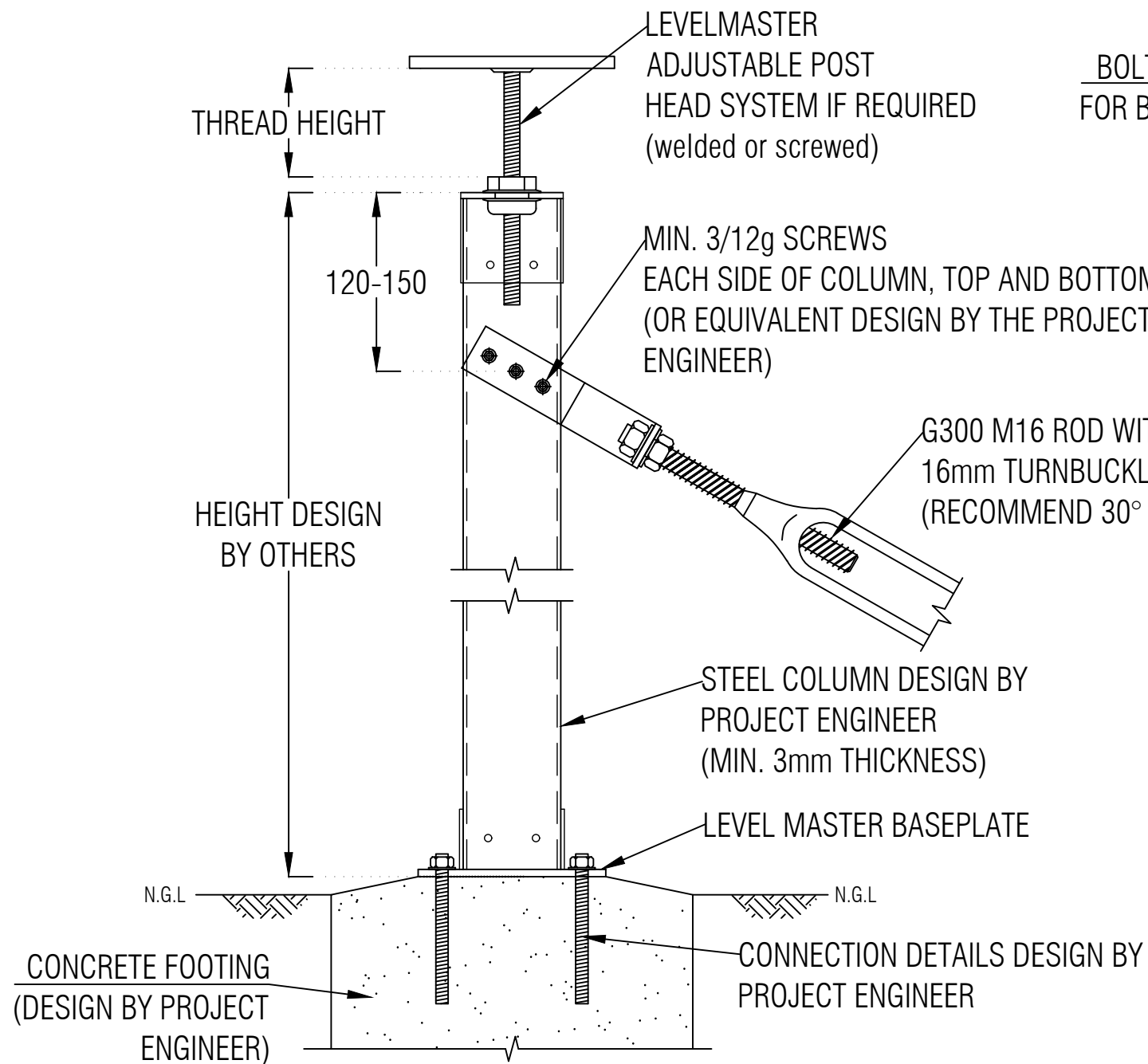
- 1 THREAD HEIGHT MEASURED FROM TOP OF NUT TO UNDERSIDE OF FIXING TOP PLATE.
- 2 CAST IN COLUMNS IS ACCEPTABLE. THE CAST IN DETAILS TO BE CONFIRMED AND DESIGNED BY THE PROJECT ENGINEER.
- 3 BRACING ANGLES IN EXCESS OF 45° MAY REQUIRE ADDITIONAL HORIZONTAL BRACING. THIS IS TO BE DESIGNED BY THE PROJECT 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

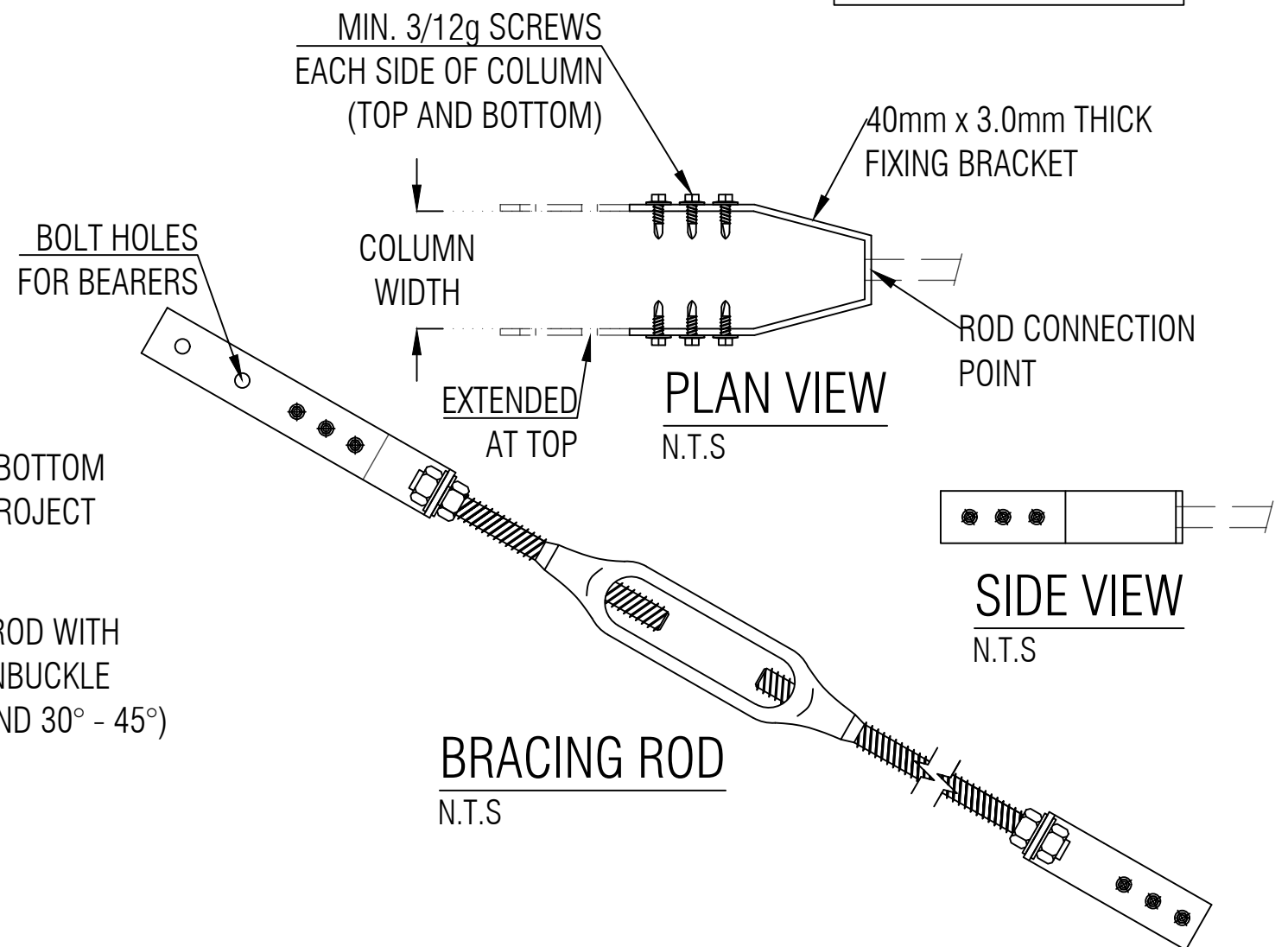
THE M16 BRACING ROD (WITH TURNBUCKLE) ASSEMBLY TENSION CAPACITY = 25kN.* PROJECT ENGINEER TO CONFIRM THE FINAL BRACING CAPACITY DEPENDING ON THE HEIGHT AND SPAN.

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



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	-

PEER Consulting Engineers
Professional Engineers Queensland
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EIGHT MILE PLAINS QLD 4113

LevelMaster
Stronger. Easier. Faster. ADJUSTABLE HOUSE STUMPS

CONTACT DETAILS
WEB www.levelmaster.com.au
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	1	