

**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 House Stump Components Series

**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 – PCE2247.1 - Rev 2. AUG 2024 – Adjustable House Stump Components Series
- Design Certification – LEVELMASTER – House Stump Components Series

**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<br>4B/2404 Logan Road,<br>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

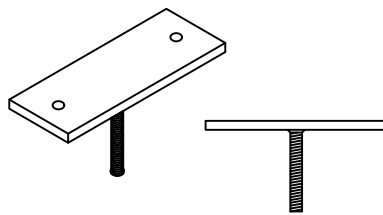


**KEY NOTES**

- 1 THE CAPACITIES AND LOADS MENTIONED IN THIS DRAWING ARE BASED ON THE LABORATORY LOAD TESTS. LOADS ARE ASSUMED TO BE APPLIED THROUGH THE THREAD CENTRALLY.
- 2 THE CAPACITIES ARE FOR THE LEVEL MASTER POST HEAD PRODUCT(S) ITSELF. OTHER ELEMENTS (SUCH AS FASTENERS AND TIMBER) ARE NOT COVERED.
- 3 THE CAPACITIES ASSUME THE EXPOSED THREAD HEIGHT <= 150mm.
- 4 UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
- 5 REFER TO THE GENERAL NOTE FOR ECCENTRICALLY LOADED CONDITIONS.
- 6 ALL TOPS ARE ABLE TO CONNECT WITH SCREW ON SHS CONNECTORS, SCREW ON CHS CONNECTORS, OR WELD ON CONNECTORS.

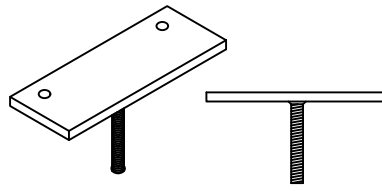
**COMPRESSION NOTE**

- 1 THE COMPRESSION CAPACITY PROVIDED IN THE PRODUCT SCHEDULE REPRESENTS THE PROOF LOAD BASED ON THE LABORATORY TESTS.
- 2 THE YIELD LOAD OF THE STUMP TOPS WITH M30 THREAD = 150kN (COMPRESSION).
- 3 IF REFERRING YIELD CAPACITY, THE DESIGN LOAD PROVIDED BY THE STRUCTURAL ENGINEERS FOR COMPARISON MUST BE FACTORED, AND COMPLIANCE WITH THE LOADS COMBINATIONS AS PER AS1170.0 - GENERAL PRINCIPLES.



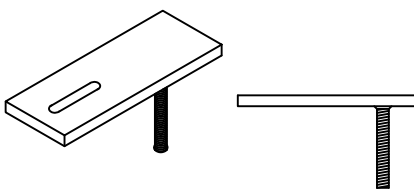
200mm x 75mm x 10mm

| TYPE - STRAIGHT                                 |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 30                   | 130                       |
| 10  | 15    | 20   |                      |                           |



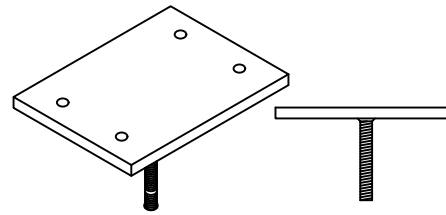
200mm x 75mm x 10mm

| TYPE - STRAIGHT (OFFSET HOLES)                  |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 25                   | 130                       |
| 10  | 13    | 19   |                      |                           |



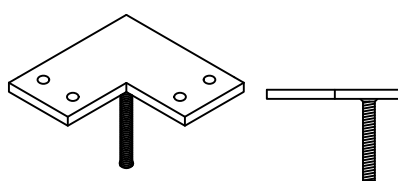
200mm x 75mm x 12mm

| TYPE - END SLOTTED    |                      |                           |
|-----------------------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| N/A                   | 7                    | 130                       |



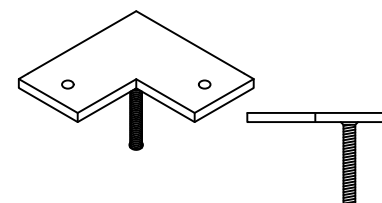
200mm x 150mm x 12mm

| TYPE - STRAIGHT (4 HOLES)                       |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 45                   | 130                       |
| 10  | 12    | 17   |                      |                           |



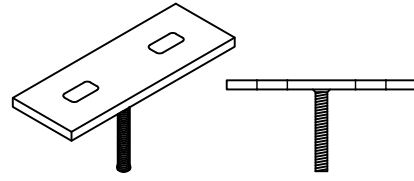
150mm x 150mm x 10mm

| TYPE - CORNER (4 HOLES)                         |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 20                   | 130                       |
| 9   | 12    | 15   |                      |                           |



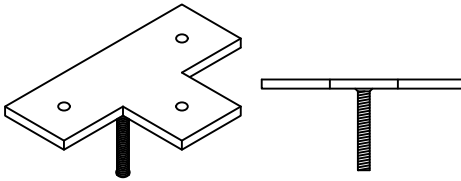
150mm x 150mm x 10mm

| TYPE - CORNER                                   |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 20                   | 130                       |
| 9   | 11    | 15   |                      |                           |



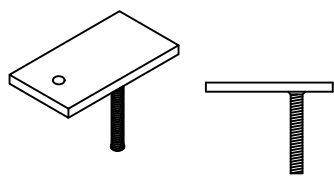
250mm x 90mm x 12mm

| TYPE - STRAIGHT SLOTTED |                      |                           |
|-------------------------|----------------------|---------------------------|
| LATERAL CAPACITY (kN)   | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| N/A                     | 13                   | 130                       |



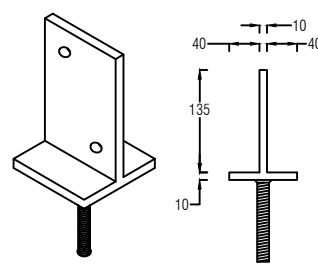
225mm x 150mm x 10mm

| TYPE - TEE                                      |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 23                   | 130                       |
| 10  | 13    | 17   |                      |                           |



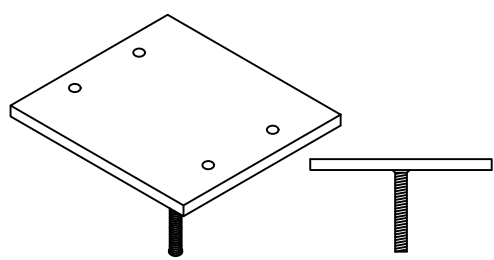
140mm x 75mm x 10mm

| TYPE - END OF BEARER                            |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 8                    | 130                       |
| 3.5   | 5     | 7.5  |                      |                           |



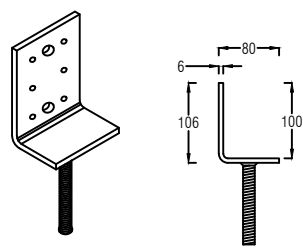
90mm x 90mm x 10mm

| TYPE - VERTICAL PLATE 90                        |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 15                   | 130                       |
| 12  | 16    | 21   |                      |                           |



200mm x 220mm x 12mm

| TYPE - LARGE STRAIGHT (4 HOLES)                 |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 50                   | 130                       |
| 9   | 13    | 15   |                      |                           |



106mm x 80mm x 56mm

| TYPE - VERTICAL PLATE (SMALL)                   |       |      |                      |                           |
|---|-------|------|----------------------|---------------------------|
| LATERAL CAPACITY (kN) WITH VARIES THREAD HEIGHT |       |      | UPLIFT CAPACITY (kN) | COMPRESSION CAPACITY (kN) |
| 150mm   | 100mm | 50mm | 10                   | 130                       |
| 4.5   | 8     | 11   |                      |                           |

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

| REV. | DESCRIPTION       | DATE    | INIT. |
|------|-------------------|---------|-------|
| A    | PRELIMINARY ISSUE | MAY2023 | -     |
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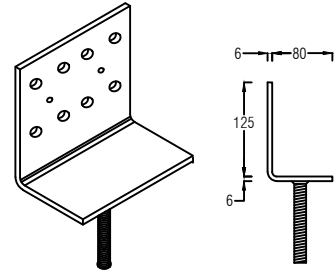
**LevelMaster**  
Stronger. Easier. Faster. ADJUSTABLE HOUSE STUMPS

CONTACT DETAILS  
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PHONE 1300 538 356

PROJECT  
**(ADJUSTABLE) HOUSE STUMP COMPONENTS SERIES**

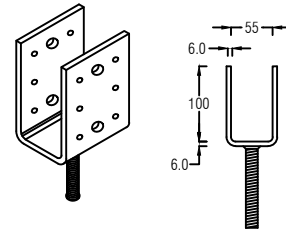
TITLE  
**ADJUSTABLE TOPS**

| DRAWN        | DESIGNED | DATE     |
|--------------|----------|----------|
| -            | -        | AUG 2024 |
| CHECKED      | APPROVED |          |
| N.Z.         |          |          |
| DRAWING No.  | REV.     |          |
| PCE22471-S01 | 2        |          |



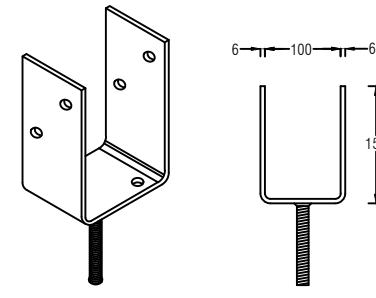
125mm x 140mm x 80mm

| TYPE - VERTICAL PLATE LARGE                        |       |      |                         |                              |
|--|-------|------|-------------------------|------------------------------|
| LATERAL CAPACITY (kN)<br>WITH VARIES THREAD HEIGHT |       |      | UPLIFT<br>CAPACITY (kN) | COMPRESSION<br>CAPACITY (kN) |
| 150mm  | 100mm | 50mm | 14                      | 130                          |
| 10   | 14    | 18   |                         |                              |



52mm x 100mm x 80mm

| TYPE - VERTICAL PLATE STIRRUP                      |       |      |                         |                              |
|--|-------|------|-------------------------|------------------------------|
| LATERAL CAPACITY (kN)<br>WITH VARIES THREAD HEIGHT |       |      | UPLIFT<br>CAPACITY (kN) | COMPRESSION<br>CAPACITY (kN) |
| 150mm  | 100mm | 50mm | 30                      | 130                          |
| 12   | 17    | 21   |                         |                              |



101mm x 155mm x 75mm

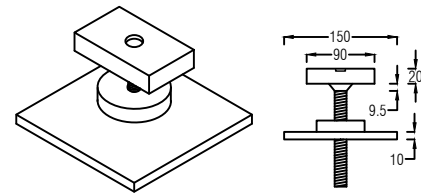
| TYPE - VERTICAL PLATE STIRRUP                      |       |      |                         |                              |
|--|-------|------|-------------------------|------------------------------|
| LATERAL CAPACITY (kN)<br>WITH VARIES THREAD HEIGHT |       |      | UPLIFT<br>CAPACITY (kN) | COMPRESSION<br>CAPACITY (kN) |
| 150mm  | 100mm | 50mm | 15                      | 130                          |
| 12   | 17    | 21   |                         |                              |

**KEY NOTES**

- 1 THE CAPACITIES AND LOADS MENTIONED IN THIS DRAWING ARE BASED ON THE LABORATORY LOAD TESTS. LOADS ARE ASSUMED TO BE APPLIED THROUGH THE THREAD CENTRALLY.
- 2 THE CAPACITIES ARE FOR THE LEVEL MASTER POST HEAD PRODUCT(S) ITSELF. OTHER ELEMENTS (SUCH AS FASTENERS AND TIMBER) ARE NOT COVERED.
- 3 THE CAPACITIES ASSUME THE EXPOSED THREAD HEIGHT = 150mm.
- 4 UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
- 5 REFER TO THE GENERAL NOTE FOR ECCENTRICALLY LOADED CONDITIONS.
- 6 ALL TOPS ARE ABLE TO CONNECT WITH SCREW ON SHS CONNECTORS, SCREW ON CHS CONNECTORS, OR WELD ON CONNECTORS.

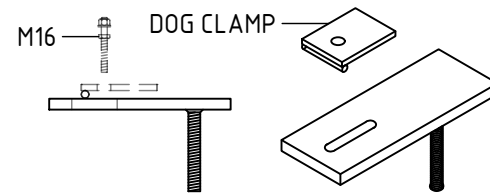
**COMPRESSION NOTE**

- 1 THE COMPRESSION CAPACITY PROVIDED IN THE PRODUCT SCHEDULE REPRESENTS THE PROOF LOAD BASED ON THE LABORATORY TESTS.
- 2 THE YIELD LOAD OF THE STUMP TOPS WITH M30 THREAD = 150kN (COMPRESSION).
- 3 IF REFERRING YIELD CAPACITY, THE DESIGN LOAD PROVIDED BY THE STRUCTURAL ENGINEERS FOR COMPARISON MUST BE FACTORED, AND COMPLIANCE WITH THE LOADS COMBINATIONS AS PER AS1170.0 - GENERAL PRINCIPLES.



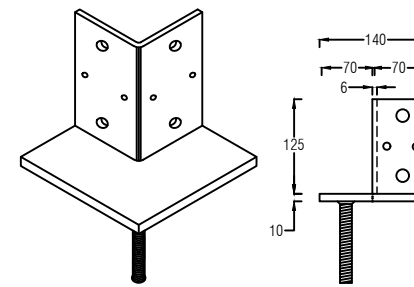
95mm x 57mm x 20mm

| TYPE - CONTAINER LOCK                              |       |      |                         |                              |
|--|-------|------|-------------------------|------------------------------|
| LATERAL CAPACITY (kN)<br>WITH VARIES THREAD HEIGHT |       |      | UPLIFT<br>CAPACITY (kN) | COMPRESSION<br>CAPACITY (kN) |
| 150mm  | 100mm | 50mm | N/A                     | 130                          |
| 12   | 17    | 21   |                         |                              |



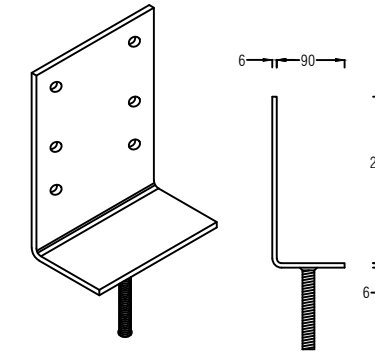
100mm x 75mm x 8mm

| TYPE - DOG CLAMP          |                         |                              |                          |
|---------------------------|-------------------------|------------------------------|--------------------------|
| CLAMPING<br>CAPACITY (kN) | UPLIFT<br>CAPACITY (kN) | COMPRESSION<br>CAPACITY (kN) | LATERAL<br>CAPACITY (kN) |
| 35                        | 4                       | 130                          | N/A                      |
| *SEE PAGE S04 FOR NOTES.  |                         |                              |                          |



150mm x 150mm x 10mm

| TYPE - VERTICAL LARGE CORNER                       |       |      |                         |                              |
|--|-------|------|-------------------------|------------------------------|
| LATERAL CAPACITY (kN)<br>WITH VARIES THREAD HEIGHT |       |      | UPLIFT<br>CAPACITY (kN) | COMPRESSION<br>CAPACITY (kN) |
| 150mm  | 100mm | 50mm | 15                      | 130                          |
| 11   | 16    | 21   |                         |                              |



225mm x 180mm x 90mm

| TYPE - VERTICAL PLATE (XL)                         |       |      |                         |                              |
|--|-------|------|-------------------------|------------------------------|
| LATERAL CAPACITY (kN)<br>WITH VARIES THREAD HEIGHT |       |      | UPLIFT<br>CAPACITY (kN) | COMPRESSION<br>CAPACITY (kN) |
| 150mm  | 100mm | 50mm | 15                      | 130                          |
| 5  | 8     | 11   |                         |                              |

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ALL SCALES ARE AS SHOWN (A3)

| REV. | DESCRIPTION       | DATE    | INIT. |
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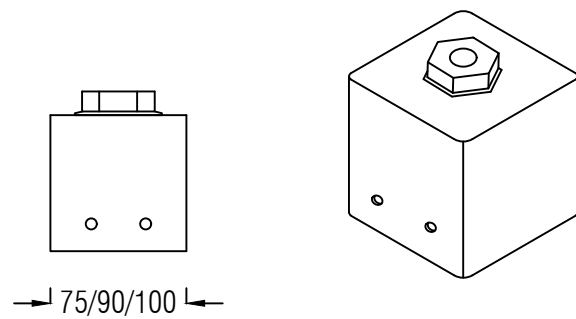


CONTACT DETAILS  
WEB www.levelmaster.com.au EMAIL info@levelmaster.com.au  
PHONE 1300 538 356

PROJECT  
**(ADJUSTABLE) HOUSE  
STUMP COMPONENTS  
SERIES**

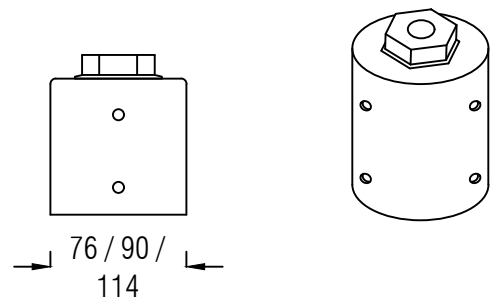
TITLE  
**ADJUSTABLE TOPS**

| DRAWN        | DESIGNED | DATE     |
|--------------|----------|----------|
| -            | -        | AUG 2024 |
| CHECKED      | APPROVED |          |
| N.Z.         |          |          |
| DRAWING No.  | REV.     |          |
| PCE22471-S02 | 2        |          |



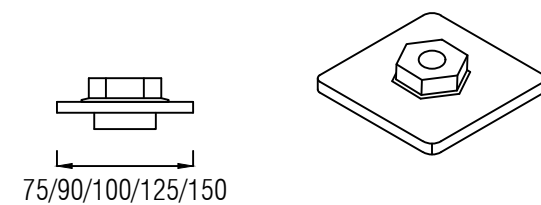
### SCREW ON (SHS) CONNECTOR

SUITS 75mm / 89mm / 100mm SHS POST



### SCREW ON (CHS/SCREW PILE) CONNECTOR

SUITS 76mm / 90mm / 114mm CHS POST



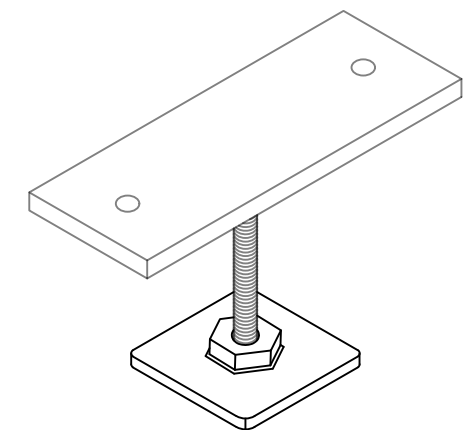
### WELD ON (SHS) CONNECTOR

SUITS 75mm / 89mm / 100mm / 150mm SHS POST

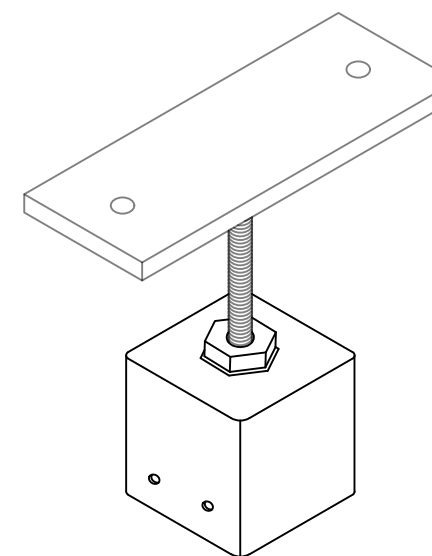
#### GENERAL NOTES

- 1 ALL CONNECTORS SUIT ALL LEVELMASTER ADJUSTABLE TOPS WITH 30mm THREAD.
- 2 MIN. 4 SCREWS (2 EACH OPPOSITE FACE) TO BE USED FOR CAP TO COLUMN CONNECTION.
- 3 ALL SCREWS FOR CAP TO COLUMN CONNECTION TO BE MIN. CLASS 4 - 12g - 24TPI SCREWS (ICCONS PTY LTD) OR EQUIVALENT. THE PROJECT ENGINEER TO CONFIRM THE FASTENERS, ESPECIALLY FOR LARGE VERTICAL DESIGN LOADS.
- 4 ALL WELDING IS TO BE PERFORMED IN ACCORDANCE WITH AS1554.1. WELDS ARE TO BE FULL PENETRATION.
- 5 THE ASSEMBLY CAPACITY REFERS TO THE CAPACITIES OF ADJUSTABLE TOPS.
- 6 ALL STEEL TO BE MIN. GRADE 250 (U.N.O.).

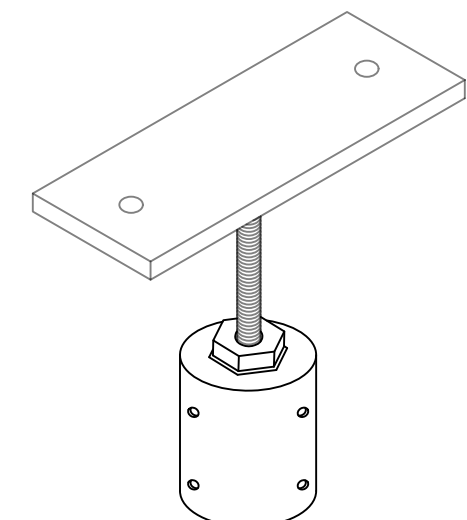
#### EXAMPLES OF TOP AND CONNECTOR ASSEMBLY:



STRAIGHT PLATE WITH WELD ON ASSEMBLY



STRAIGHT PLATE WITH SCREW ON (SHS) ASSEMBLY



STRAIGHT PLATE WITH SCREW ON (CHS) ASSEMBLY

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

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**PEER Consulting Engineers**  
Professional Engineers Limited Queensland  
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 PHONE 1300 538 356

PROJECT  
**(ADJUSTABLE) HOUSE STUMP COMPONENTS SERIES**

TITLE  
**CONNECTORS**

| DRAWN        | DESIGNED | DATE     |
|--------------|----------|----------|
| -            | -        | AUG 2024 |
| CHECKED      | APPROVED |          |
| N.Z.         |          |          |
| DRAWING No.  | REV.     |          |
| PCE22471-S03 | 2        |          |

## GENERAL NOTES

- 1 THE CAPACITIES AND LOADS MENTIONED IN THIS DRAWING ARE BASED ON THE LABORATORY LOAD TESTS. LOADS ARE ASSUMED TO BE APPLIED THROUGH THE THREAD CENTRALLY.
- 2 THE CAPACITIES ARE FOR THE LEVEL MASTER POST HEAD PRODUCT(S) ITSELF. OTHER ELEMENTS (SUCH AS FASTENERS AND TIMBER) ARE NOT COVERED.
- 3 THE CAPACITIES ASSUME THE EXPOSED THREAD HEIGHT  $\leq 150\text{mm}$ . ALL THREADS TO BE M30.
- 4 UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
- 5 ALL WELDING IS TO BE PERFORMED IN ACCORDANCE WITH AS1554.1. WELDS ARE TO BE FULL PENETRATION.
- 6 ALL STEEL MATERIALS TO BE (MIN.) G250 (U.N.O.)
- 7 FOR ECCENTRICALLY LOADED CONDITIONS, LIMIT THE COMPRESSION LOAD TO MAX. 10kN; TENSION LOAD TO MAX. 5kN.
- 8 IF THE COMPRESSION LOAD TO BE APPLIED WITH AN OFFSET FROM THE CENTER OF THE THREAD, EITHER CAUSED BY STRUCTURE GEOMETRY OR SITE CONDITIONS: THE AXIAL COMPRESSION CAPACITY REMAIN UNCHANGED WITH OFFSET  $< 20\text{mm}$ ; THE AXIAL COMPRESSION CAPACITY TO BE 65% OF THE ORIGINAL IF OFFSET  $\leq 50\text{mm}$ ; THE AXIAL COMPRESSION CAPACITY TO BE 24% OF THE ORIGINAL IF OFFSET  $\leq 75\text{mm}$ .

## DOG CLAMP NOTES

- 1 THE CLAMPING FORCE MAY VARY DEPENDING ON THE APPLIED TORQUE DURING CONSTRUCTION. THE CLAMPING CAPACITY IS ESTIMATED BASED ON THE TYPICAL TIGHTENING TORQUE OF M16 BOLT (GRADE 8.8).
- 2 THE CAPACITIES ARE BASED ON THE ASSUMPTION OF BEING CENTRALLY LOADED ONLY.
- 3 THE CAPACITIES ABOVE COVER ALL PRODUCTS SHOWN IN THIS PAGE OF DRAWING (FOR DOG CLAMP)
- 4 THE CAPACITIES ARE FOR THE POST HEAD PRODUCT ITSELF. OTHER ELEMENTS SUCH AS SCREWS AND TIMBER ARE NOT CONSIDERED.

## OTHER NOTES

- 1 THE DRAWING SET IS LIMITED TO THE STRUCTURAL ASPECTS ONLY AND NO RESPONSIBILITY IS TAKEN FOR ANY LOSS, DAMAGE OR FAILURE RESULTING FROM THE MANUFACTURE, QUALITY INSTABILITY, TRANSPORTATION AND STORAGE, METHOD OF CONSTRUCTION.

## REFERENCE NOTES

- 1 ALL REFERENCE TABLES, DATA AND EXAMPLE PROCEDURES SHOWN ON THIS DRAWING ARE FOR REFERENCE ONLY. THE PROJECT ENGINEER TO DETERMINE AND CONFIRM THE REQUIRED LOAD OF ANY STRUCTURAL MEMBERS.
- 2 ALL TABLES, DATA AND EXAMPLE PROCEDURES SHOWN ON THIS PAGE IS VALID FOR SIMPLE RESIDENTIAL STRUCTURE ONLY.

### REFERENCE: NET UPLIFT PRESSURE AT STUMP (kN/m<sup>2</sup>)

| WIND CLASS | N2 | N3   | N4   | C1   | C2   | C3   |
|------------|----|------|------|------|------|------|
| UPWARDS    | -  | 1.01 | 1.82 | 1.20 | 2.10 | 3.80 |

### REFERENCE COLUMN HEIGHTS

| COLUMN TYPE | MAX. COMPRESSION (kN) | MAX. HEIGHT (mm) |
|-------------|-----------------------|------------------|
| 100SHS4.0   | 150                   | 4500             |
| 89SHS5.0    | 150                   | 4000             |
| 75SHS4.0    | 150                   | 3000             |

### REFERENCE: TYPICAL LOADS (kN/m<sup>2</sup>)

|                |      |
|----------------|------|
| DOMESTIC FLOOR | 2.85 |
| SHEET ROOF     | 0.86 |
| CLAD WALLS     | 0.42 |

#### EXAMPLE PROCEDURE (TYPICAL):

ASSUMING LEVEL MASTER STUMP PLATE (STRAIGHT) SUPPORTING 5m<sup>2</sup> OF ROOF LOAD, 5m<sup>2</sup> OF FLOOR LOAD, 2m x 2.4m HEIGHT STUD WALLS IN A N3 WIND REGION.

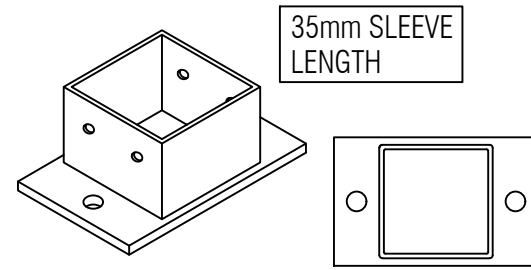
COMPRESSION  
 $= 5\text{m}^2 \times 0.86\text{kN/m}^2 + 5\text{m}^2 \times 2.85\text{kN/m}^2 + 2\text{m} \times 2.4\text{m} \times 0.4\text{kN/m}^2$   
 $= 20.47\text{kN} < 120\text{kN}$

WIND UPLIFT =  $5\text{m}^2 \times 1.01\text{kN/m}^2 = 5.05\text{kN} < 30\text{kN}$

LEVEL MASTER STUMP PLATE (STRAIGHT) CAN BE ADOPTED.

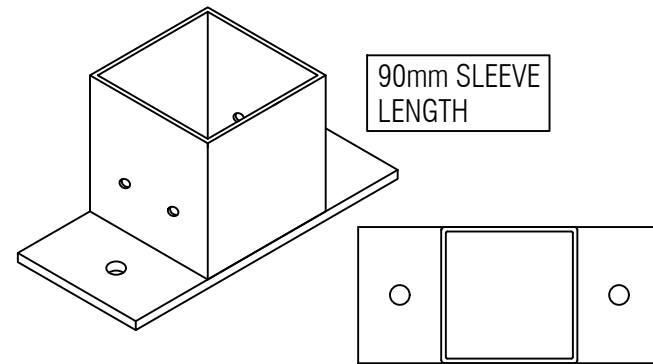
DO NOT SCALE FROM DRAWING  
ALL SCALES ARE AS SHOWN (A3)

| REV. | DESCRIPTION       | DATE    | INIT. | PEER Consulting Engineers<br>Professional Engineers Queensland                       |                 | LevelMaster<br>Stronger. Easier. Faster. ADJUSTABLE HOUSE STUMPS                                  |  | PROJECT  | TITLE                         | DRAWN       | DESIGNED | DATE     |
|------|-------------------|---------|-------|--|-----------------|---|--|--|-------------------------------|-------------|----------|----------|
| A    | PRELIMINARY ISSUE | MAY2023 | -     | www.peerce.com.au 4B/2404 LOGAN RD,<br>info@peerce.com.au EIGHT MILE PLAINS QLD 4113 |                 | CONTACT DETAILS<br>WEB www.levelmaster.com.au EMAIL info@levelmaster.com.au<br>PHONE 1300 538 356 |  | (ADJUSTABLE) HOUSE<br>STUMP COMPONENTS<br>SERIES | GENERAL NOTES &<br>REFERENCES | -           | -        | AUG 2024 |
| 0    | FOR CERTIFICATION | MAY2023 | -     |  |                 |   |  |  |                               | CHECKED     | APPROVED |          |
| 1    | FOR CERTIFICATION | MAY2024 | -     |  |                 |   |  |  |                               | N.Z.        |          |          |
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|      |                   |         |       |  | PCE2247.1 - S04 | 2   |  |  |                               |             |          |          |



35mm SLEEVE LENGTH

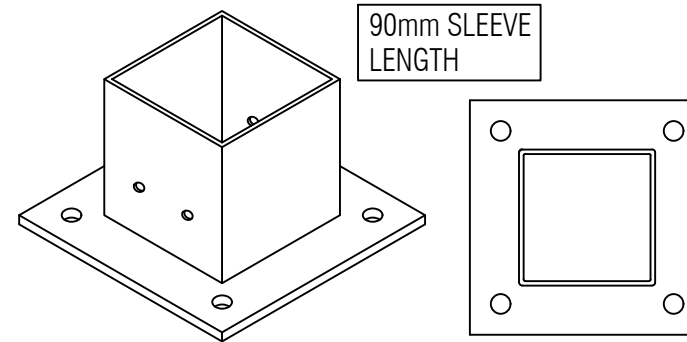
SUIT 75mm & 89mm POST  
**CAST IN BASEPLATE TO CONCRETE**



90mm SLEEVE LENGTH

SUIT 75mm, 89mm & 100mm POST  
**BOLT DOWN BASEPLATE (2 HOLES)**

| BOLT DOWN OPTIONS (2 HOLES) - 20MPa concrete (min) - 90mm edge distance (min) |   |
|---|---|
| RAMSET CHEMSET '101'  | 2 x M12-200 CHEMSETS (1 x each side)        |
| WERCS ANKASCREW   | 2 x M12-90 WERCS ANKASCREWS (1 x each side) |



90mm SLEEVE LENGTH

SUIT 75mm, 89mm & 100mm POST - 4 holes  
**BOLT DOWN BASEPLATE (4 HOLES)**

| BOLT DOWN OPTIONS (4 HOLES) - 20MPa concrete (min) - 90mm edge distance (min) |   |
|---|---|
| RAMSET CHEMSET '101'  | 4 x M12-100 CHEMSETS (1 x each corner)        |
| WERCS ANKASCREW   | 4 x M12-60 WERCS ANKASCREWS (1 x each corner) |

**GENERAL NOTES**

- MIN. 4 SCREWS (2 EACH OPPOSITE FACE) TO BE USED FOR CAP TO COLUMN CONNECTION.
- ALL SCREWS FOR CAP TO COLUMN CONNECTION TO BE MIN. CLASS 4 - 12g - 24TPI SCREWS (ICCONS PTY LTD) OR EQUIVALENT. THE PROJECT ENGINEER TO CONFIRM THE FASTENERS, ESPECIALLY FOR LARGE VERTICAL DESIGN LOADS.
- THE ASSEMBLY CAPACITY REFERS TO THE CAPACITIES OF ADJUSTABLE TOPS, OR WHICHEVER IS CRITICAL.
- ALL WELDING IS TO BE PERFORMED IN ACCORDANCE WITH AS1554.1. WELDS ARE TO BE FULL PENETRATION.
- THE BASE PLATE TO GROUND/FOOTING BOLT DOWN CONNECTIONS ON THIS DRAWING ARE FOR REFERENCE ONLY. PROJECT ENGINEERS TO DESIGN AND CONFIRM.
- ALL STEEL BASEPLATES TO BE G250 (U.N.O.). ALL STEEL TUBES TO BE G350 (U.N.O.)

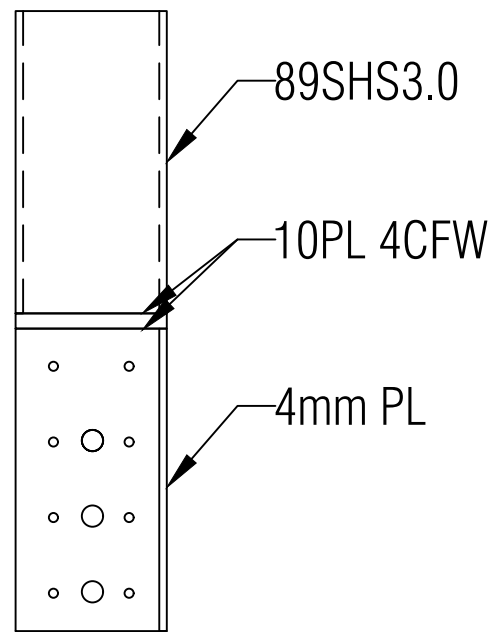
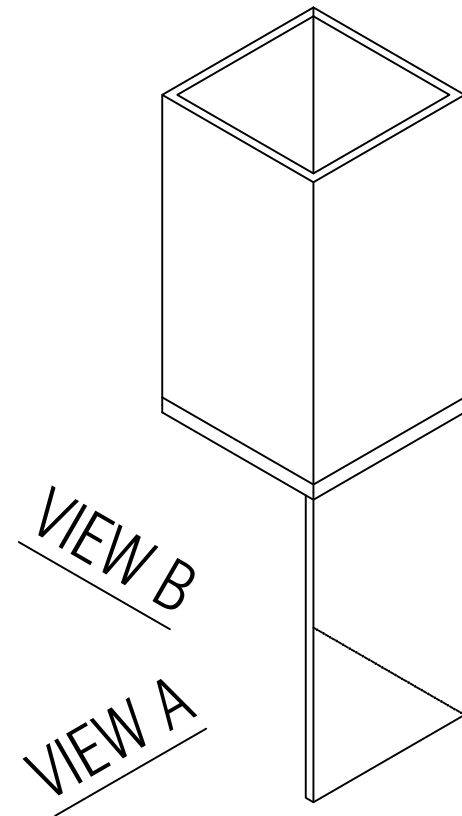
**PRODUCT CAPACITY**

|  |       |
|--|-------|
| MAX. UPLIFT  | 35kN  |
| MAX. DOWNWARDS   | 150kN |
| SPECIFIED CAPACITIES ARE FOR CONCENTRIC VERTICAL LOAD TRANSFER ONLY.   |       |
| THE CAPACITIES ARE FOR THE BASE PLATE PRODUCT ITSELF. OTHER ELEMENTS SUCH AS BOLTS AND STEEL POST ARE NOT COVERED. |       |

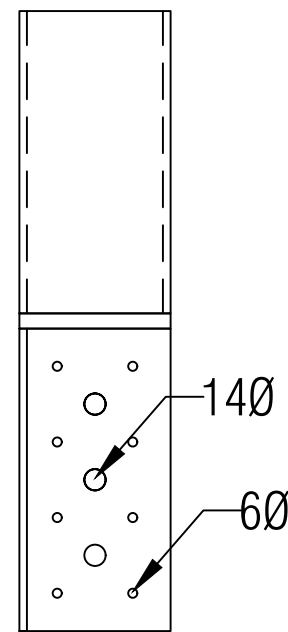
DO NOT SCALE FROM DRAWING  
 ALL SCALES ARE AS SHOWN (A3)

| REV. | DESCRIPTION       | DATE    | INIT. | PEER Consulting Engineers<br>Professional Engineers Limited Queensland               |                 | LevelMaster<br>Stronger. Easier. Faster. ADJUSTABLE HOUSE STUMPS                                  |  | PROJECT                                    | TITLE       | DRAWN       | DESIGNED | DATE     |
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| A    | PRELIMINARY ISSUE | MAY2023 | -     | www.peerce.com.au 4B/2404 LOGAN RD,<br>info@peerce.com.au EIGHT MILE PLAINS QLD 4113 |                 | CONTACT DETAILS<br>WEB www.levelmaster.com.au EMAIL info@levelmaster.com.au<br>PHONE 1300 538 356 |  | (ADJUSTABLE) HOUSE STUMP COMPONENTS SERIES | BASE PLATES | -           | -        | AUG 2024 |
| 0    | FOR CERTIFICATION | MAY2023 | -     |  |                 |   |  |  |             | CHECKED     | APPROVED |          |
| 1    | FOR CERTIFICATION | MAY2024 | -     |  |                 |   |  |  |             | N.Z.        |          |          |
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|      |                   |         |       |  | PCE2247.1 - S05 | 2   |  |  |             |             |          |          |





VIEW A



VIEW B

LEVELMASTER POST HEADS MAY BE USED TO RETROFIT EXISTING COLUMNS AND ARE AVAILABLE WITH ONE SIDE REMOVED.

| REFERENCE (EXISTING) COLUMNS & CONNECTIONS |                                   |                          |
|--|-----------------------------------|--------------------------|
| STEEL (SHS)<br>3.0mm THICK (min)           | TIMBER                            | CONCRETE                 |
| 9/14g TEK SCREWS                           | 15/TYPE 17 #14 SCREWS, 35mm long. | 3/M10-50 CONCRETE SCREWS |

| *LEVELMASTER RETROFIT BRACKET CAPACITIES (kN)    |    |
|--|----|
| 6 / M12-100 ANCHOR SCREWS TO CONCRETE            | 36 |
| 8 / 14g SCREWS (22mm) TO 3mm STEEL COLUMN (min)  | 36 |
| 12 / 14g SCREWS (22mm) TO 3mm STEEL COLUMN (min) | 42 |
| 12 / #14 TYPE 17 SCREWS (40mm) TO HWD COLUMN     | 36 |
| 16 / #14 TYPE 17 SCREWS (40mm) TO HWD COLUMN     | 42 |

ENSURE ALL SCREWS ARE DIVIDED EQUALLY TO BOTH SIDE CLEATS. (EG - 12/SCREWS REQUIRED, PROVIDE 6/SCREWS EACH CLEAT)

\*THIS TABLE BASED ON THE ASSUMPTION THAT ALL CARE HAS BEEN TAKEN WITH ITS PREPARATION.

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

\*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

|      |                   |         |       |   |   |  |                 |             |          |          |
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| A    | PRELIMINARY ISSUE | MAY2023 | -     |   |   | (ADJUSTABLE) HOUSE STUMP COMPONENTS SERIES | RETROFIT JOINER | -           | -        | AUG 2024 |
| 0    | FOR CERTIFICATION | MAY2023 | -     |   |   |  |                 | CHECKED     | APPROVED |          |
| 1    | FOR CERTIFICATION | MAY2024 | -     |   |   |  |                 | N.Z.        |          |          |
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