Form 15 Compliance certificate for building design or specification

Queensland Government

This form is the approved form that must be used in accordance with section 10 of the *Building Act 1975* and sections 73 and 77 of the Building Regulation 2021 (Design-specification certificate) stating that an aspect of building work or specification will, if installed or carried out as stated in this form, comply with the building assessment provisions.

Additional explanatory information is included in the Appendix at the end of this form.

1. Property description This section need only be completed if details of street address and property description are applicable. E.g. in the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable. Where applicable, the description must identify all land the subject of the application. The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice. If the plan is not registered by title, provide previous lot and plan details.	Street address *(include number, street, suburb/locality and postcode)* .... State QLD Postcode ..... Lot and plan details *(attach list if necessary)* ..... Local government area the land is situated in .....
2. Description of aspect/s certified Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.	Design of the Level Master Post Heads as detailed on the attached drawings
3. Basis of certification Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications were relied upon.	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

4. Reference documentation

Clearly identify any relevant documentation, e.g. numbered structural engineering plans.

PEER Consulting Engineers Pty Ltd – Drawing PCE2247.1 – Rev 0, MAY 2023
Design Certification - LEVELMASTER - Post Heads

5. Building certifier reference number and building development application number

Building certifier reference number

Building development application number *(if available)*

6. Appointed competent person details

Under Part 6 of the Building Regulation 2021 a person must be assessed as a competent for the type of work (design-specification) by the relevant building certifier.

Name *(in full)*
Mengting Zhao

Company name *(if applicable)*
PEER Consulting Engineers

Contact person

Business phone number
07 3209 4702

Mobile number

Email address
info@peerce.com.au

Postal address
4B/2404 Logan Road

Eight Mile Plains State QLD Postcode 4113

Licence class or registration type *(if applicable)*
RPEQ

Licence or registration number *(if applicable)*
24534

7. Signature of appointed competent person

This certificate must be signed by the individual assessed and appointed by the building certifier as competent to give design-specification help.

Signature

Date
01/05/2023

*This certificate expires on 30/04/2024

LOCAL GOVERNMENT USE ONLY

Date received		**Reference number/s**	

Appendix – explanatory information

IMPORTANT NOTE: it is an offence for a competent person to give a building certifier a document, including this form, that the person knows or reasonably suspects, is false or misleading.

Who can complete this certificate? (section 10 of the *Building Act 1975* (Building Act) and sections 73 and 77 of Building Regulation 2021 (BR 2021))
A building certifier can accept from a competent person (design-specification) a certificate stating that the competent person has assessed the building design or specification for the aspect of building work, and it will, if installed or carried out under the certificate, comply with the building assessment provisions, including any relevant standards and codes.

Schedule 10 of the BR 2021 defines *building design or specification* as any material, system, method of building or other thing related to the design of or specifications for building work.

When completing the certificate, a competent person is required under section 77 of the BR 2021 to include the basis for giving the certificate and state the extent to which the competent person has relied on tests, specifications, rules, standards, codes of practice or other publications.

What is the purpose of this form? (section 10 of the Building Act and sections 73 and 77 of the BR 2021)
The information in this form informs the building certifier's decision making when they are assessing a building development application, issuing the building development approval for the building work the subject of the certificate (form) and when amending the building development approval due to the receipt of updated aspect information such as glazing or truss specifications or revised excavation drawings.

Can a manufacturer or supplier give this Form 15?
A building certifier can accept this form from a manufacturer or supplier who the certifier has decided is a competent person (design-specification).

A manufacturer or supplier of building materials can give this form if they have undertaken the design component for the product. For example a window manufacturer who designs, constructs and supplies the windows to industry could give this form.

Competent person (section 10 of the Building Act 1975 and Part 6 of the BR 2021)
A building certifier must assess and decide to appoint an individual as a competent person before they can accept design-specification help.

When deciding whether a person can be a competent person, the building certifier must assess the person having regard to their experience, qualifications and skills and ensure the person holds a licence or registration if required.

The building certifier is required to keep detailed records about what was considered when appointing a competent person.

For further information about assessment of someone as a competent person refer to the **Guideline for the assessment of competent persons.**

What is required if a manufacturer or supplier did not do the design work for the product?
A manufacturer or supplier who is not part of the design process may give the construction contractor, builder, competent person or the building certifier evidence of suitability such as a product technical statement under Part A5 of the Building Code of Australia (BCA), for an aspect or material stating that it is compliant with the relevant reference documents in the BCA i.e. the applicable Australian Standard/s.

What if there is not enough space for all the supporting material/documents?
Items 2, 3 and 4 requires the competent person to clearly identify the extent of the assessment that was undertaken for aspect/s of work identified in this form.

For instance, there is provision for material such as specifications, standards, codes or other relevant publications to be referenced in the form. However, if the space in the form is not sufficient to accommodate all of this material, you can create and refer to additional material in an addendum or attachment to the form.

The form is also available in a Microsoft Word version, that you can download and edit to include additional material in the relevant parts of the form. Note that editing the form in the Microsoft Word version may cause the relevant boxes to expand and increase the length of the document. This is acceptable and does not change the approved form, provided the section text (description on the left-hand side of the page) is not altered.

Appointed competent person (design or specification) – (sections 34 and 36 of the BR 2021)
A building certifier must assess and decide to appoint an individual as a competent person before they can, as a competent person, give design-specification help. The building certifier is required to keep detailed records about what was considered when appointing a competent person.

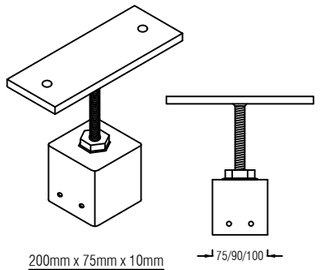
A building certifier must be satisfied that an individual is competent to give the type of help having regard to the individual's experience, qualifications and skills and if required by law to hold a licence or registration, that the individual is appropriately registered or licensed.

An individual is appointed as competent to give design-specification help on or from a particular day.

For further information about assessment of someone as a competent person refer to the **Guideline for the assessment of competent persons.**

PRIVACY NOTICE

The Department of Energy and Public Works is collecting personal information as required under the *Building Act 1975*. This information may be stored by the Department, and will be used for administration, compliance, statistical research and evaluation of building laws. Your personal information will be disclosed to other government agencies, local government authorities and third parties for purposes relating to administering and monitoring compliance with the *Building Act 1975*. Personal information will otherwise only be disclosed to third parties with your consent or unless authorised or required by law.



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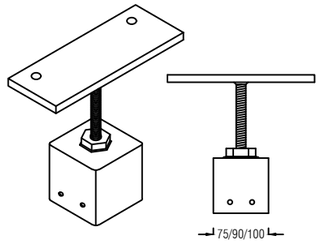

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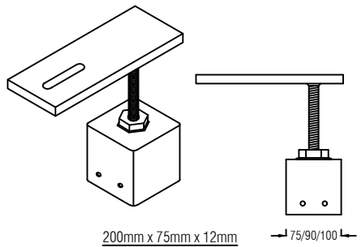
STRAIGHT (offset holes)



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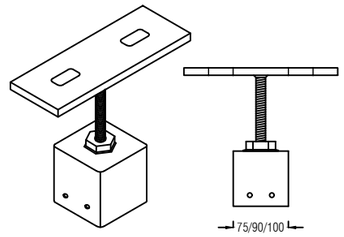
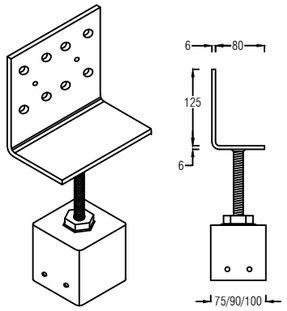
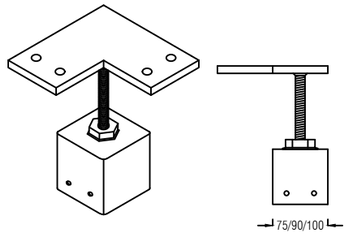


250mm x 90mm x 12mm
STRAIGHT SLOTTED



125mm x 140mm x 80mm
VERTICAL PLATE (large)



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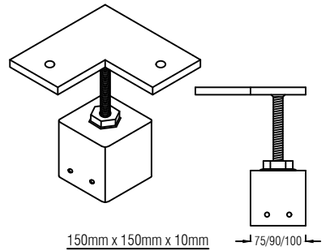
CORNER (4 holes)



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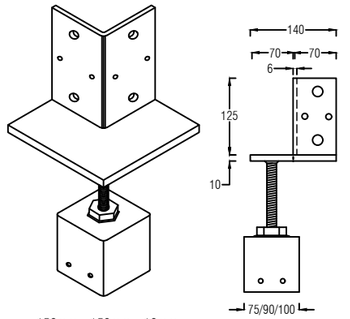

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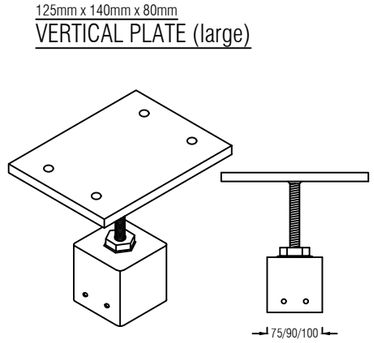
VERTICAL LARGE CORNER (8 holes)



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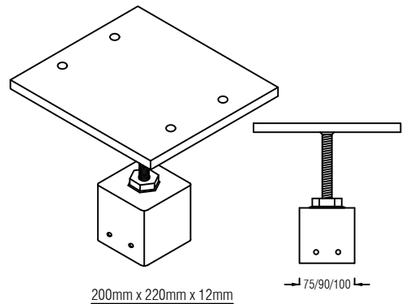

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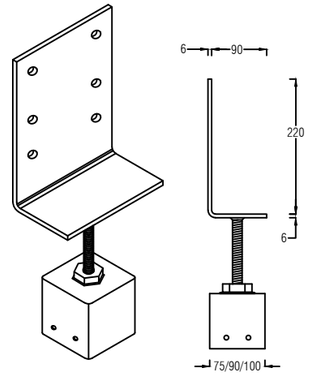
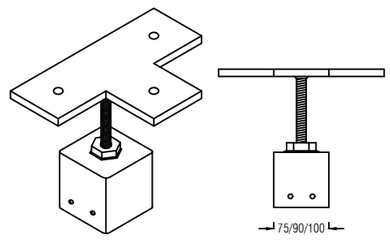
LARGE STRAIGHT (4 holes)



225mm x 180mm x 90mm
VERTICAL PLATE (xlarge)



225mm x 150mm x 10mm
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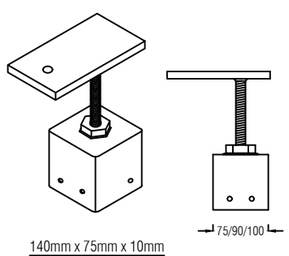
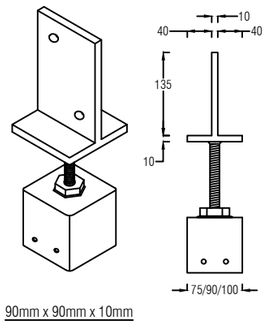
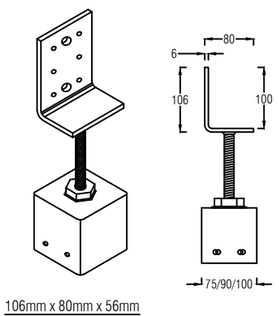


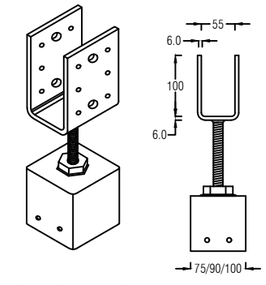
140mm x 75mm x 10mm
END OF BEARER



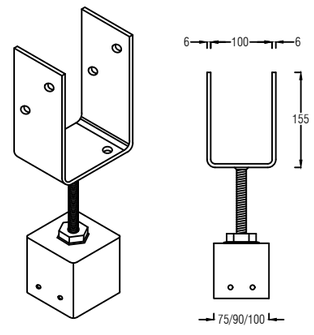
90mm x 90mm x 10mm
VERTICAL PLATE 90



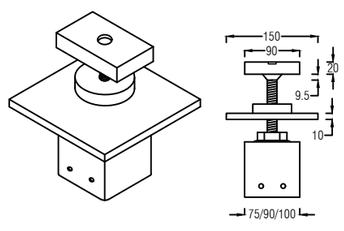
106mm x 80mm x 56mm
VERTICAL PLATE (small)



52mm x 100mm x 80mm
VERTICAL PLATE STIRRUP



101mm x 155mm x 75mm
VERTICAL PLATE STIRRUP



95mm x 57mm x 20mm
CONTAINER LOCK - CL

GENERAL NOTES

1. 4 SCREWS (2 EACH OPPOSITE FACE) TO BE USED FOR CAP TO COLUMN CONNECTION. UNLESS FIXING TO EXISTING COLUMNS AS PER EXISTING COLUMN TABLE.
2. ALL SCREWS FOR CAP TO COLUMN CONNECTION TO BE CLASS 4 – 12g – 24TPI SCREWS FROM ICCONS PTY LTD.
3. *IF NOT CENTRALLY LOADED, ALL UPLIFT & DOWNWARDS CAPACITIES TO BE 13.0 kN.
4. ALL STEEL MATERIALS TO BE (MIN.) G250 (U.N.O.)

*PRODUCT CAPACITY

MAX. UPLIFT	36kN
MAX. DOWNWARDS	125kN

THE CAPACITIES ARE BASED ON THE ASSUMPTION OF BEING CENTRALLY LOADED ONLY.

THE CAPACITIES ABOVE COVER ALL PRODUCTS SHOWN IN THIS PAGE OF DRAWING (FOR SCREW-ON SHS)

THE CAPACITIES ARE FOR THE POST HEAD PRODUCT ITSELF. OTHER ELEMENTS SUCH AS SCREWS AND TIMBER ARE NOT CONSIDERED.

*NET WIND PRESSURE AT STUMP (kN/m^2)

WIND CLASS	N2	N3	N4	C1	C2	C3
UPWARDS	–	1.01	1.82	1.20	2.10	3.80
DOWNWARDS	0.41	0.64	1.15	0.76	1.32	2.39

TYPICAL LOADS (kN/m^2)

DOMESTIC FLOOR	2.85
SHEET ROOF	0.86
CLAD WALLS	0.42

EXAMPLE:-

* LEVEL MASTER STUMP SUPPORTING 9m^2 OF ROOF LOAD AND 9m^2 OF FLOOR LOAD 3m OF WALL FRAME 2.4m HIGH IN AN N3 WIND AREA.

EXAMPLE WORKINGS:-

DOWNWARDS = 9m^2 x 0.86kN/m^2 (roof) +
9m^2 x 2.85kN/m^2 (floor) +
3m wall x 2.4 high x 0.42kN/m^2 (wall)
= 36.4 kN total.

N3 WIND UPLIFT = 9m^2 x 1.01kN/m^2
= 9.09 kN total.

* SO USE LEVEL MASTER CENTRE LOADED ADJUSTABLE TOP/POST HEAD
BECAUSE: 36.4 kN < 150 kN
AND 9.09 kN < 13 kN.

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

*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

REV.	DESCRIPTION	DATE	INIT.
A	PRELIMINARY ISSUE	MAY2023	-
0	FOR CERTIFICATION	MAY2023	-

PEER Consulting Engineers
Professional Economical Efficient Reputable

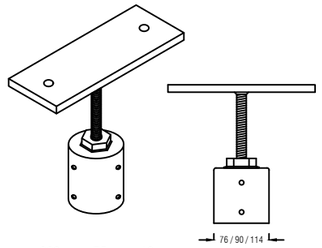
CONTACT DETAILS
EMAIL info@peerce.com.au
WEB www.peerce.com.au
PHONE 07 3841 2046
POST 4B/2404 LOGAN RD, EIGHT MILE PLAINS QLD 4113

CLIENT: LEVEL MASTER

PROJECT: ADJUSTABLE POST HEADS

TITLE: SCREW ON CONNECTORS (SHS)

DRAWN	DESIGNED	DATE
-	-	MAY 2023
CHECKED: N.Z.	APPROVED:	
DRAWING No.: PCE2247.1 – S01		REV.: 0



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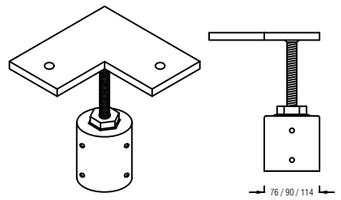

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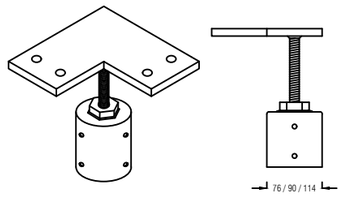
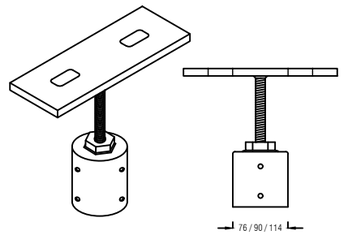
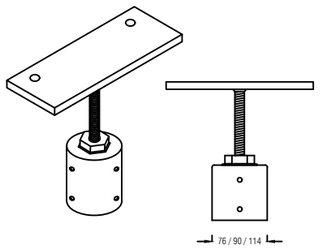


150mm x 150mm x 10mm
CORNER (4 holes)



250mm x 90mm x 12mm
STRAIGHT SLOTTED



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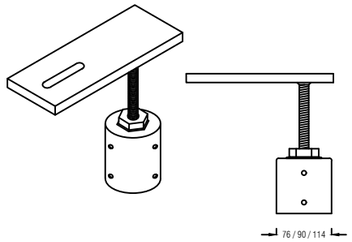
STRAIGHT (offset holes)



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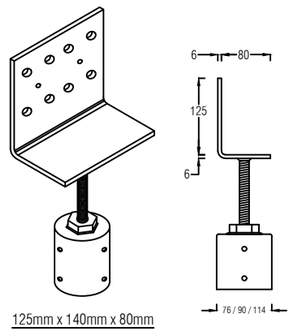
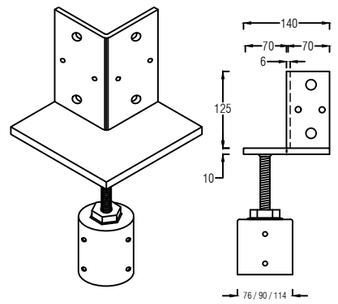
END SLOTTED



125mm x 140mm x 80mm
VERTICAL PLATE (large)



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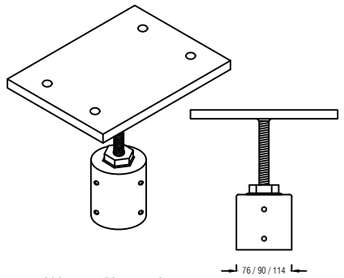
VERTICAL LARGE CORNER (8 holes)



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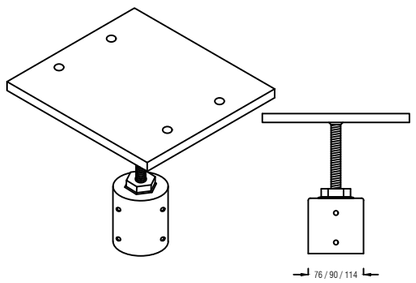

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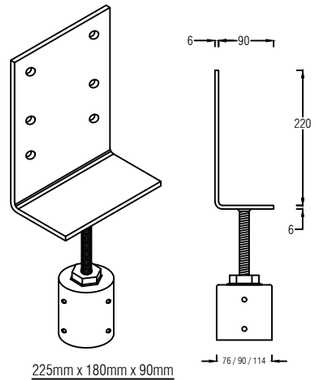
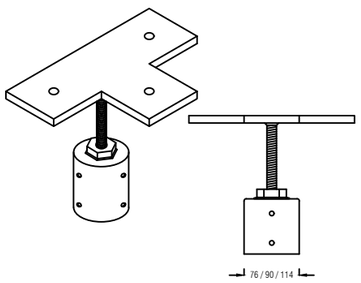
LARGE STRAIGHT (4 holes)



225mm x 180mm x 90mm
VERTICAL PLATE (xlarge)



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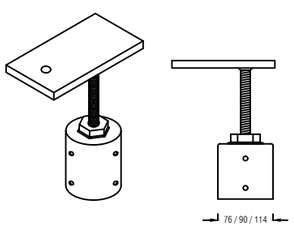
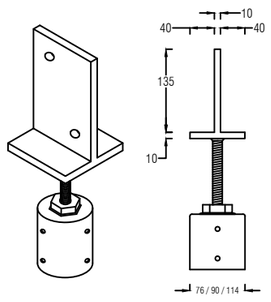
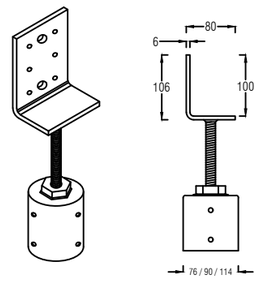


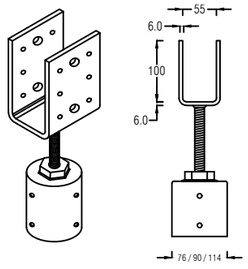
140mm x 75mm x 10mm
END OF BEARER



90mm x 90mm x 10mm
VERTICAL PLATE 90



106mm x 80mm x 56mm
VERTICAL PLATE (small)



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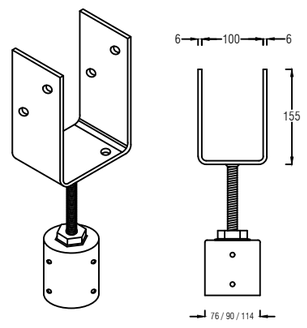
VERTICAL PLATE STIRRUP



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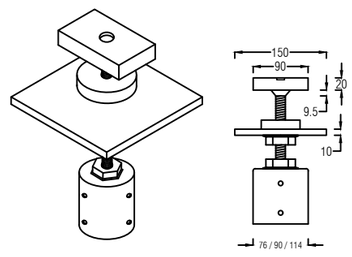

95mm x 57mm x 20mm
CONTAINER LOCK - CL

GENERAL NOTES

1. 4 SCREWS (2 EACH OPPOSITE FACE) TO BE USED FOR CAP TO COLUMN CONNECTION. UNLESS FIXING TO EXISTING COLUMNS AS PER EXISTING COLUMN TABLE.
2. ALL SCREWS FOR CAP TO COLUMN CONNECTION TO BE CLASS 4 – 12g – 24TPI SCREWS FROM ICCONS PTY LTD.
3. *IF NOT CENTRALLY LOADED, ALL UPLIFT & DOWNWARDS CAPACITIES TO BE 13.0 kN.
4. ALL STEEL MATERIALS TO BE (MIN.) G250 (U.N.O.)

*PRODUCT CAPACITY	
MAX. UPLIFT	72kN
MAX. DOWNWARDS	125kN
THE CAPACITIES ARE BASED ON THE ASSUMPTION OF BEING CENTRALLY LOADED ONLY.	
THE CAPACITIES ABOVE COVER ALL PRODUCTS SHOWN IN THIS PAGE OF DRAWING (FOR SCREW-ON SHS)	
THE CAPACITIES ARE FOR THE POST HEAD PRODUCT ITSELF. OTHER ELEMENTS SUCH AS SCREWS AND TIMBER ARE NOT CONSIDERED.	

*NET WIND PRESSURE AT STUMP (kN/m^2)						
WIND CLASS	N2	N3	N4	C1	C2	C3
UPWARDS	–	1.01	1.82	1.20	2.10	3.80
DOWNWARDS	0.41	0.64	1.15	0.76	1.32	2.39

TYPICAL LOADS (kN/m^2)	
DOMESTIC FLOOR	2.85
SHEET ROOF	0.86
CLAD WALLS	0.42

EXAMPLE:-

* LEVEL MASTER STUMP SUPPORTING 9m^2 OF ROOF LOAD AND 9m^2 OF FLOOR LOAD 3m OF WALL FRAME 2.4m HIGH IN AN N3 WIND AREA.

EXAMPLE WORKINGS:-

DOWNWARDS = 9m^2 x 0.86kN/m^2 (roof) +
9m^2 x 2.85kN/m^2 (floor) +
3m wall x 2.4 high x 0.42kN/m^2 (wall)
= 36.4 kN total.

N3 WIND UPLIFT = 9m^2 x 1.01kN/m^2
= 9.09 kN total.

* SO USE LEVEL MASTER CENTRE LOADED ADJUSTABLE TOP/POST HEAD
BECAUSE: 36.4 kN < 150 kN
AND 9.09 kN < 13 kN.

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

*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

REV.	DESCRIPTION	DATE	INIT.
A	PRELIMINARY ISSUE	MAY2023	–
0	FOR CERTIFICATION	MAY2023	–

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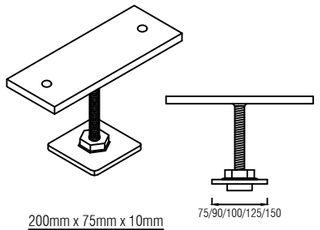
PHONE 07 3841 2046
POST 4B/2404 LOGAN RD, EIGHT MILE PLAINS QLD 4113

CLIENT: LEVEL MASTER

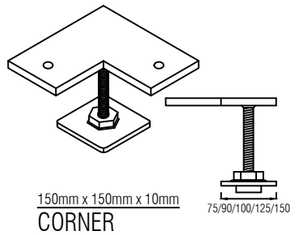
PROJECT: ADJUSTABLE POST HEADS

TITLE: SCREW ON CONNECTORS (CHS)

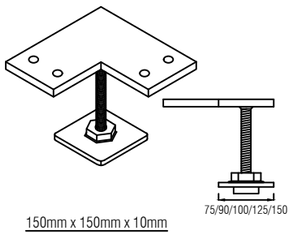
DRAWN	DESIGNED	DATE
–	–	MAY 2023
CHECKED: N.Z.	APPROVED:	
DRAWING No.: PCE2247.1 – S02		REV.: 0



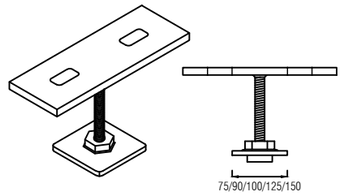
200mm x 75mm x 10mm
STRAIGHT



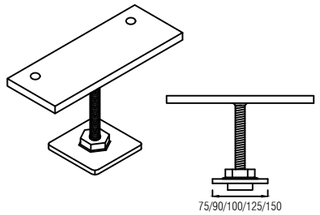
150mm x 150mm x 10mm
CORNER



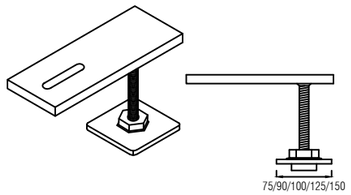
150mm x 150mm x 10mm
CORNER (4 holes)



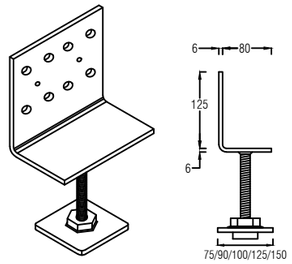
250mm x 90mm x 12mm
STRAIGHT SLOTTED



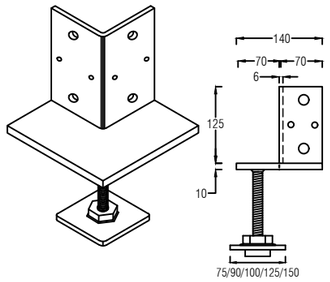
200mm x 75mm x 10mm
STRAIGHT (offset holes)



200mm x 75mm x 12mm
END SLOTTED



125mm x 140mm x 80mm
VERTICAL PLATE (large)



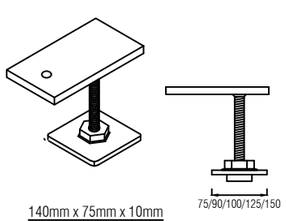
150mm x 150mm x 10mm
VERTICAL LARGE CORNER (8 holes)

200mm x 150mm x 12mm
STRAIGHT (4 holes)

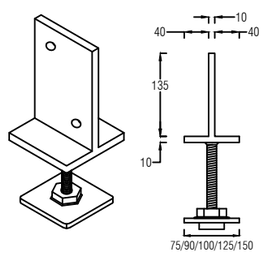
200mm x 220mm x 12mm
LARGE STRAIGHT (4 holes)

225mm x 180mm x 90mm
VERTICAL PLATE (xlarge)

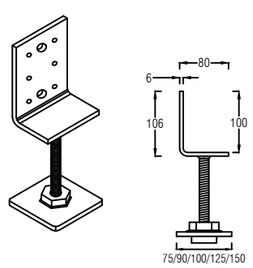
225mm x 150mm x 10mm
TEE



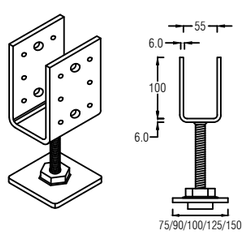
140mm x 75mm x 10mm
END OF BEARER



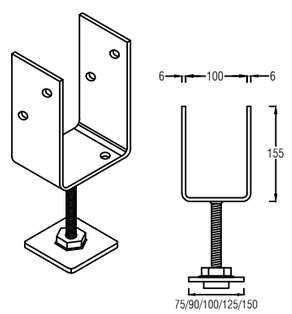
90mm x 90mm x 10mm
VERTICAL PLATE 90



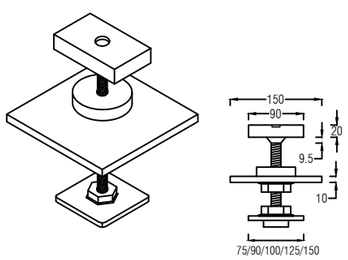
106mm x 80mm x 56mm
VERTICAL PLATE (small)



52mm x 100mm x 80mm
VERTICAL PLATE STIRRUP



101mm x 155mm x 75mm
VERTICAL PLATE STIRRUP



95mm x 57mm x 20mm
CONTAINER LOCK - CL

GENERAL NOTES

1. 4 SCREWS (2 EACH OPPOSITE FACE) TO BE USED FOR CAP TO COLUMN CONNECTION. UNLESS FIXING TO EXISTING COLUMNS AS PER EXISTING COLUMN TABLE.
2. ALL SCREWS FOR CAP TO COLUMN CONNECTION TO BE CLASS 4 – 12g – 24TPI SCREWS FROM ICCONS PTY LTD.
3. *IF NOT CENTRALLY LOADED, ALL UPLIFT & DOWNWARDS CAPACITIES TO BE 13.0 kN.
4. ALL STEEL MATERIALS TO BE (MIN.) G250 (U.N.O.)

*PRODUCT CAPACITY	
MAX. UPLIFT	125kN
MAX. DOWNWARDS	125kN
THE CAPACITIES ARE BASED ON THE ASSUMPTION OF BEING CENTRALLY LOADED ONLY.	
THE CAPACITIES ABOVE COVER ALL PRODUCTS SHOWN IN THIS PAGE OF DRAWING (FOR SCREW-ON SHS)	
THE CAPACITIES ARE FOR THE POST HEAD PRODUCT ITSELF. OTHER ELEMENTS SUCH AS SCREWS AND TIMBER ARE NOT CONSIDERED.	

*NET WIND PRESSURE AT STUMP (kN/m^2)						
WIND CLASS	N2	N3	N4	C1	C2	C3
UPWARDS	–	1.01	1.82	1.20	2.10	3.80
DOWNWARDS	0.41	0.64	1.15	0.76	1.32	2.39

TYPICAL LOADS (kN/m^2)	
DOMESTIC FLOOR	2.85
SHEET ROOF	0.86
CLAD WALLS	0.42

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

*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

REV.	DESCRIPTION	DATE	INIT.
A	PRELIMINARY ISSUE	MAY2023	–
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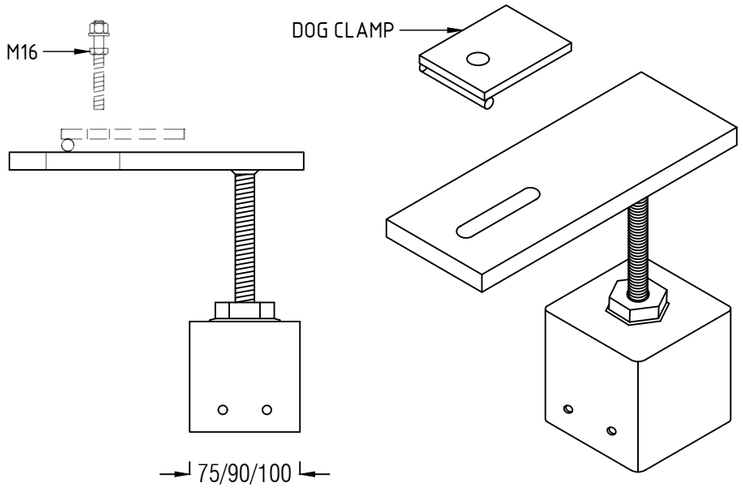
POST 4B/2404 LOGAN RD, EIGHT MILE PLAINS QLD 4113

CLIENT: LEVEL MASTER

PROJECT: ADJUSTABLE POST HEADS

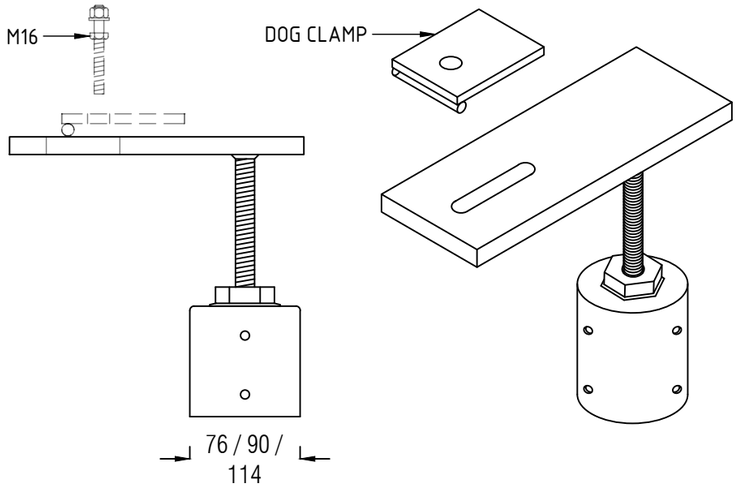
TITLE: WELD ON CONNECTORS (SHS)

DRAWN	DESIGNED	DATE
–	–	MAY 2023
CHECKED: N.Z.	APPROVED:	
DRAWING No.: PCE2247.1 – S03		REV.: 0



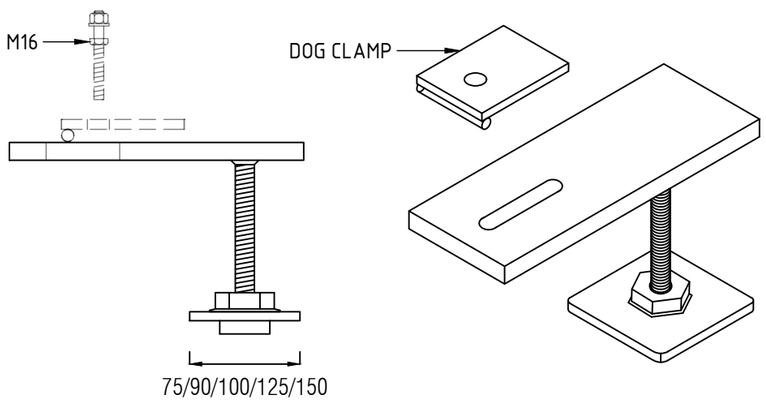
100mm x 75mm x 8mm

SCREW ON (SHS)



100mm x 75mm x 8mm

SCREW ON (CHS)



100mm x 75mm x 8mm

WELD ON (SHS)

GENERAL NOTES

1. 4 SCREWS (2 EACH OPPOSITE FACE) TO BE USED FOR COLUMN TO BASEPLATE CONNECTION.
2. ALL SCREWS FOR CAP TO COLUMN CONNECTION TO BE CLASS 4 - 12g - 24TPI SCREWS FROM ICCONS PTY LTD.
3. *IF NOT CENTRALLY LOADED, ALL DOWNWARDS CAPACITIES TO BE 13.0 kN.
4. ALL STEEL BASEPLATES TO BE G250 (U.N.O.). ALL STEEL TUBES TO BE G350. (U.N.O.)

*PRODUCT CAPACITY	
MAX. UPLIFT	4kN
MAX. DOWNWARDS	125kN
CLAMPING CAPACITY	38kN
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).	
THE CAPACITIES ARE BASED ON THE ASSUMPTION OF BEING CENTRALLY LOADED ONLY.	
THE CAPACITIES ABOVE COVER ALL PRODUCTS SHOWN IN THIS PAGE OF DRAWING (FOR DOG CLAMP)	
THE CAPACITIES ARE FOR THE POST HEAD PRODUCT ITSELF. OTHER ELEMENTS SUCH AS SCREWS AND TIMBER ARE NOT CONSIDERED.	

*NET WIND PRESSURE AT STUMP (kN/m^2)						
WIND CLASS	N2	N3	N4	C1	C2	C3
UPWARDS	-	1.01	1.82	1.20	2.10	3.80
DOWNWARDS	0.41	0.64	1.15	0.76	1.32	2.39

TYPICAL LOADS (kN/m^2)	
DOMESTIC FLOOR	2.85
SHEET ROOF	0.86
CLAD WALLS	0.42

EXAMPLE:-

* LEVEL MASTER STUMP SUPPORTING 9m^2 OF ROOF LOAD AND 9m^2 OF FLOOR LOAD 3m OF WALL FRAME 2.4m HIGH IN AN N3 WIND AREA.

EXAMPLE WORKINGS:-

DOWNWARDS=9m^2 x 0.86kN/m^2 (roof) +
9m^2 x 2.85kN/m^2 (floor) +
3m wall x 2.4 high x 0.42kN/m^2 (wall)
= 36.4 kN total.

N3 WIND UPLIFT= 9m^2 x 1.01kN/m^2
= 9.09 kN total.

* SO USE LEVEL MASTER CENTRE LOADED ADJUSTABLE TOP/POST HEAD
BECAUSE: 36.4 kN < 150 kN
AND 9.09 kN < 13 kN.

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

*BASED ON THE ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

REV.	DESCRIPTION	DATE	INIT.
A	PRELIMINARY ISSUE	MAY2023	-
0	FOR CERTIFICATION	MAY2023	-

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PHONE 07 3841 2046
POST 4B/2404 LOGAN RD, EIGHT MILE PLAINS QLD 4113

CLIENT: LEVEL MASTER

PROJECT: ADJUSTABLE POST HEADS

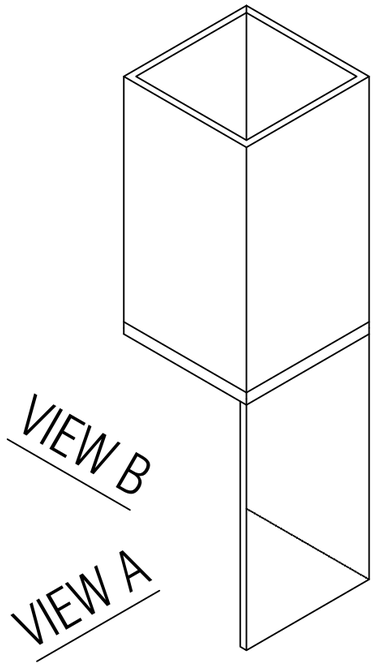
TITLE: DOG CLAMP CONNECTORS

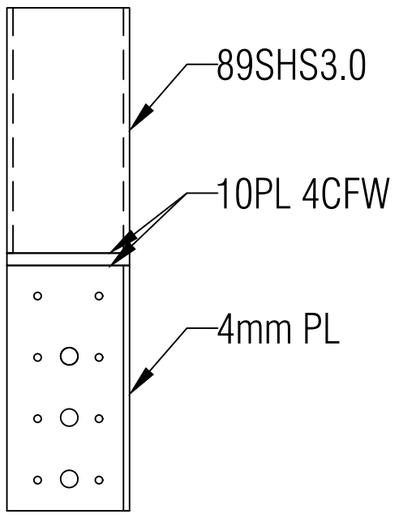
DRAWN	DESIGNED	DATE
-	-	MAY 2023
CHECKED: N.Z.	APPROVED:	
DRAWING No.: PCE2247.1 – S04		REV.: 0

LEVELMASTER POST HEADS MAY BE USED TO RETROFIT EXISTING COLUMNS AND ARE AVAILABLE WITH ONE SIDE REMOVED.		
*EXISTING COLUMNS & FIXINGS		
STEEL (SHS) 3.0mm THICK (min)	TIMBER	CONCRETE
9/14g TEK SCREWS	15/TYPE 17 #14 SCREWS, 35mm long.	3/M10-50 CONCRETE SCREWS (offset)

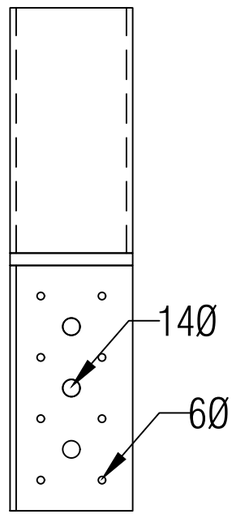
*LEVELMASTER RETROFIT BRACKET CAPACITIES (kN)	
6 / M12-100 ANCHOR SCREWS TO CONCRETE	43.8
8 / 14g SCREWS (22mm) TO 3mm STEEL COLUMN (min)	39.6
12 / 14g SCREWS (22mm) TO 3mm STEEL COLUMN (min)	43.8
12 / #14 TYPE 17 SCREWS (40mm) TO HWD COLUMN	36.4
16 / #14 TYPE 17 SCREWS (40mm) TO HWD COLUMN	43.8

ENSURE ALL SCREWS ARE DIVIDED EQUALLY TO BOTH 4mm SIDE CLEATS.
(EG - 12/SCREWS REQUIRED, PROVIDE 6/SCREWS EACH CLEAT)





VIEW A



VIEW B

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

*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

REV.	DESCRIPTION	DATE	INIT.
A	PRELIMINARY ISSUE	MAY2023	-
0	FOR CERTIFICATION	MAY2023	-

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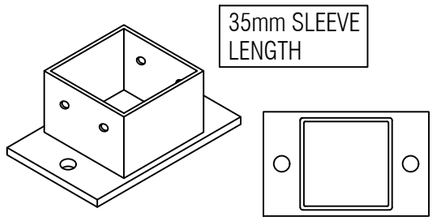
PHONE 07 3841 2046
POST 4B/2404 LOGAN RD, EIGHT MILE PLAINS QLD 4113

CLIENT: LEVEL MASTER

PROJECT: ADJUSTABLE POST HEADS

TITLE: BASE PLATE (SHS)

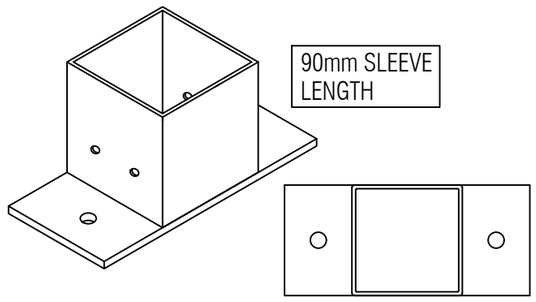
DRAWN	DESIGNED	DATE
-	-	MAY 2023
CHECKED: N.Z.	APPROVED:	
DRAWING No.: PCE2247.1 – S05		REV.: 0



SUIT 75mm & 89mm POST

CAST IN BASEPLATE TO CONCRETE

MAX UPLIFT = 36.0 kN

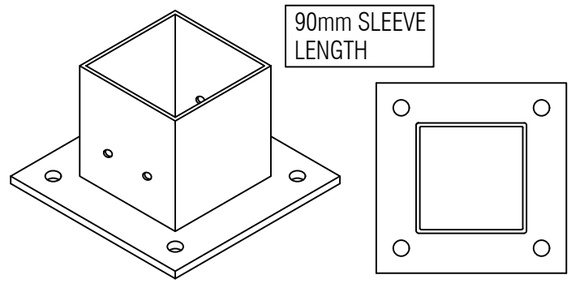


SUIT 75mm, 89mm & 100mm POST

BOLT DOWN BASEPLATE (2 HOLES)

MAX UPLIFT = 36.0 kN

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)



SUIT 75mm, 89mm & 100mm POST - 4 holes

BOLT DOWN BASEPLATE (4 HOLES)

MAX UPLIFT = 36.0 kN

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

1. 4 SCREWS (2 EACH OPPOSITE FACE) TO BE USED FOR COLUMN TO BASEPLATE CONNECTION.
2. ALL SCREWS FOR CAP TO COLUMN CONNECTION TO BE CLASS 4 - 12g - 24TPI SCREWS FROM ICCONS PTY LTD.
3. *IF NOT CENTRALLY LOADED, ALL UPLIFT & DOWNWARDS CAPACITIES TO BE 13.0 kN.
4. ALL STEEL BASEPLATES TO BE G250 (U.N.O.). ALL STEEL TUBES TO BE G350. (U.N.O.)

*REFERENCE COLUMN HEIGHTS

COLUMN TYPE	MAX. COMPRESSION (kN)	MAX. HEIGHT (mm)
89SHS3.5 OR 100SHS4.0	150	4500
75SHS3.0	150	2500
75SHS4.0	150	3000
ALL OTHER COLUMNS/HEIGHTS TO BE SITE SPECIFIC DESIGNED.		

*NET WIND PRESSURE AT STUMP (kN/m^2)

WIND CLASS	N2	N3	N4	C1	C2	C3
UPWARDS	-	1.01	1.82	1.20	2.10	3.80
DOWNWARDS	0.41	0.64	1.15	0.76	1.32	2.39

TYPICAL LOADS (kN/m^2)

DOMESTIC FLOOR	2.85
SHEET ROOF	0.86
CLAD WALLS	0.42

EXAMPLE:-

* LEVEL MASTER STUMP SUPPORTING $9m^2$ OF ROOF LOAD AND $9m^2$ OF FLOOR LOAD 3m OF WALL FRAME 2.4m HIGH IN AN N3 WIND AREA.

EXAMPLE WORKINGS:-

DOWNWARDS = $9m^2$ x 0.86kN/m^2 (roof) +
$9m^2$ x 2.85kN/m^2 (floor) +
3m wall x 2.4 high x 0.42kN/m^2 (wall)
= 36.4 kN total.

N3 WIND UPLIFT = $9m^2$ x 1.01kN/m^2
= 9.09 kN total.

* SO USE LEVEL MASTER CENTRE LOADED ADJUSTABLE TOP/POST HEAD
BECAUSE: 36.4 kN < 150 kN
AND 9.09 kN < 13 kN.

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

*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.

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PHONE 07 3841 2046
POST 4B/2404 LOGAN RD, EIGHT MILE PLAINS QLD 4113

CLIENT: LEVEL MASTER

PROJECT: ADJUSTABLE POST HEADS

TITLE: RETROFIT JOINER

DRAWN	DESIGNED	DATE
-	-	MAY 2023
CHECKED: N.Z.	APPROVED:	
DRAWING No.: PCE2247.1 – S06		REV.: 0