

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 <i>(include number, street, suburb/locality and postcode)</i> - - State <u>QLD</u> Postcode - Lot and plan details <i>(attach list if necessary)</i> - 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.	Generic engineering verification of the steel adjustable tops shown in the referenced engineering drawing.
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.	AS/NZS 1170.0:2002 – Structural design actions Part 0: General principles AS 3990-1993 – Mechanical Equipment – Steelwork

4. Reference documentation Clearly identify any relevant documentation, e.g. numbered structural engineering plans.	LEVELMASTER House Stump Drawing Set: S-01 Rev 1 July 2026 pages 1-6.																
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.	<table style="width: 100%; border: none;"> <tr> <td colspan="2">Name (in full) Hugh Green</td> </tr> <tr> <td>Company name (if applicable) Black Square Engineering</td> <td>Contact person Hugh Green</td> </tr> <tr> <td>Business phone number 07 3188 0455</td> <td>Mobile number 0430 179 977</td> </tr> <tr> <td colspan="2">Email address Hugh.Green@blacksquareengineering.com.au</td> </tr> <tr> <td colspan="2">Postal address 1/15 Hook Street</td> </tr> <tr> <td>Capalaba</td> <td>State QLD Postcode 4157</td> </tr> <tr> <td colspan="2">Licence class or registration type (if applicable) RPEQ</td> </tr> <tr> <td colspan="2">Licence or registration number (if applicable) 28289</td> </tr> </table>	Name (in full) Hugh Green		Company name (if applicable) Black Square Engineering	Contact person Hugh Green	Business phone number 07 3188 0455	Mobile number 0430 179 977	Email address Hugh.Green@blacksquareengineering.com.au		Postal address 1/15 Hook Street		Capalaba	State QLD Postcode 4157	Licence class or registration type (if applicable) RPEQ		Licence or registration number (if applicable) 28289	
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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.	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Signature</td> <td style="width: 40%;">Date</td> </tr> <tr> <td style="text-align: center;"></td> <td>09/07/2025</td> </tr> </table>	Signature	Date		09/07/2025												
Signature	Date																
	09/07/2025																

LOCAL GOVERNMENT USE ONLY

Date received		Reference number/s	
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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.

GENERAL NOTES

1. LOADS ARE ASSUMED TO BE APPLIED THROUGH THE THREAD CENTRALLY.
2. THE CAPACITIES ARE FOR THE LEVELMASTER POST HEAD PRODUCT(S) ITSELF. OTHER ELEMENTS (SUCH AS FASTENERS AND TIMBER) ARE NOT COVERED.
3. THE CAPACITIES ASSUME THE EXPOSED THREAD HEIGHT <= 150MM. ALL THREADS TO BE M30 OR M42.
4. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETRES.
5. ALL WELDING IS TO BE PERFORMED IN ACCORDANCE WITH AS1554.1 WELDS ARE TO BE FULL PENETRATION.
6. ALL LOAD LIMITS DEFINED IN THE DOCUMENT ARE THEORETICAL AND ARE BASED ON THE ALLOWABLE STRESSES DEFINED IN AS3990 AS FOLLOWS:

TENSION -0.67*MATERIAL YIELD

COMPRESSION -0.6*MATERIAL YIELD

SHEAR -0.4*MATERIAL YIELD
7. LATERAL LOAD FOR ADJUSTABLE TOPS IS TO BE TRANSFERRED BY STATIC FRICTION BETWEEN THE STRUCTURE AND SUPPORT BRACKET. THIS IS ACHIEVED BY EITHER DEAD LOAD, CLAMPING FORCE FROM BOLTED CONNECTION, OR SOME COMBINATION OF THE TWO, AND IS THE RESPONSIBILITY OF THE DESIGNER. NO LATERAL LOAD IS TO BE TRANSFERRED THROUGH THE FASTENERS.
8. ALL AXIAL LOADS ARE CONSIDERED TO BE APPLIED BY A SUITABLE RIGID BODY, THROUGH THE CENTRE OF THE THREADED BAR OF THE ADJUSTABLE TOP. NO ALLOWANCE FOR ECCENTRIC LOADING HAS BEEN MADE AND IS THE RESPONSIBILITY OF THE DESIGNER.

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 GRADE 8.8 M16 BOLT.
2. THE CAPACITIES ARE BASED ON THE ASSUMPTION OF BEING CENTRALLY LOADED ONLY.
3. THE CAPACITIES BELOW COVER ALL PRODUCTS SHOWN ON THE PAGE OF DRAWING (FOR DOG CLAMP).

MATERIALS QUALITY NOTES*

DESIGN LIFE	50 YEARS
CONDITIONS	C1 – C4 CORROSION CATEGORY AS DEFINED IN AS4312
1. ALL STEEL LEVELMASTER MATERIALS SHOWN IN THIS DRAWING TO BE GRADE 350 AND HOT DIPPED GALVANISED WITH A MINIMUM THICKNESS OF 600g/m², EQUIVALENT TO 84µm THICKNESS.	
2. ALL HOUSE STUMP SERIES PRODUCTS TO BE USED ABOVE GROUND AND NOT COVERED IN WATER. ALL HOUSE STUMP SERIES PRODUCTS TO BE ACCESSIBLE FOR PERIODIC CORROSION CHECKS AND MAINTENANCE, UNLESS CAST INTO CONCRETE.	

*CERTIFICATES PROVIDED BY LEVELMASTER.

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 ARE VALID FOR SIMPLE RESIDENTIAL STRUCTURE ONLY.
3. THE DRAWING SET IS LIMITED TO THE STRUCTURAL ASPECTS ONLY AND NO RESPONSIBILITY IS TAKEN OR ANY LOSS DAMAGE, OR FAILURE RESULTING FROM THE MANUFACTURE, QUALITY INSTABILITY, TRANSPORTATION AND STORAGE, OR METHOD OF CONSTRUCTION.

EXAMPLE PROCEDURE

THE FOLLOWING TABLES WERE DERRIVED FROM AS 1170 AT THE TIME OF GENERATING THIS DOCUMENT AND ARE FOR THE EXAMPLE PROCEDURE ONLY

REFERENCE: NET UPLIFT PRESSURE AT STUMP (kN/m²)

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)
100SHS4.0	150
89SHS5.0	150
75SHS4.0	150

REFERENCE: TYPICAL LOADS (kN/m²)

DOMESTIC FLOOR	2.85
SHEET ROOF	0.86
CLAD WALLS	0.42

ASSUMING LEVEL MASTER STUMP PLATE (STRAIGHT) SUPPORTING 5m² OF ROOF LOAD, 5m² OF FLOOR LOAD, 2mx2.4m HEIGHT STUD WALLS IN A N3 WIND REGION.

COMPRESSION
= 5m² x 0.86kN/m² + 5m² x 2.85kN/m² + 2m x 2.4m x 0.4kN/m²
= 20.47kN < 120kN

WIND UPLIFT = 5m² x 1.01kN/m² = 5.05kN < 30kN

LEVEL MASTER STUMP PLATE (STRAIGHT) CAN BE ADOPTED.



CONTACT DETAILS
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PHONE 1300 538 356

PROJECT
(ADJUSTABLE) HOUSE STUMP COMPONENTS SERIES

TITLE
GENERAL NOTES & REFERENCES

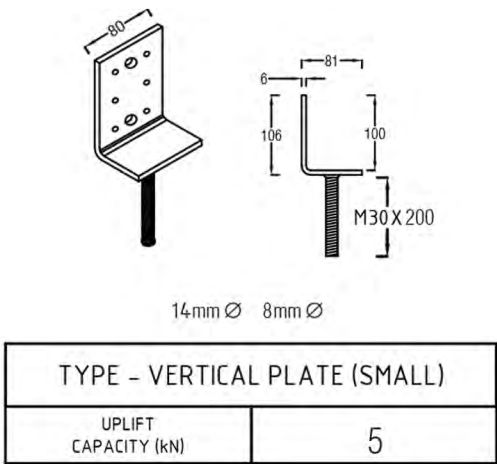
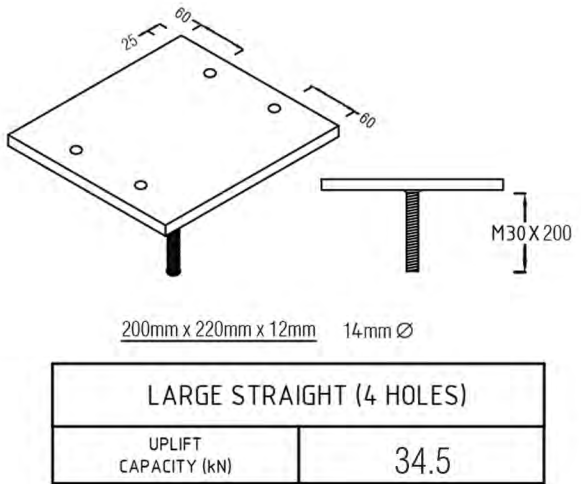
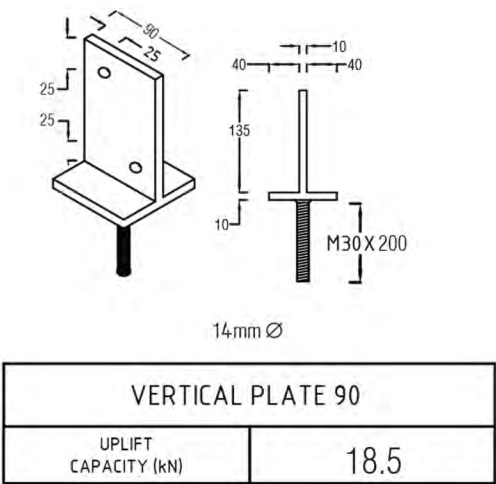
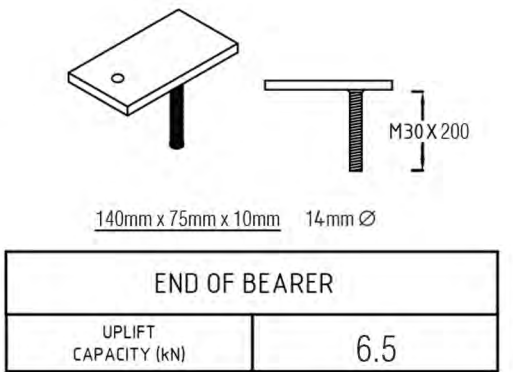
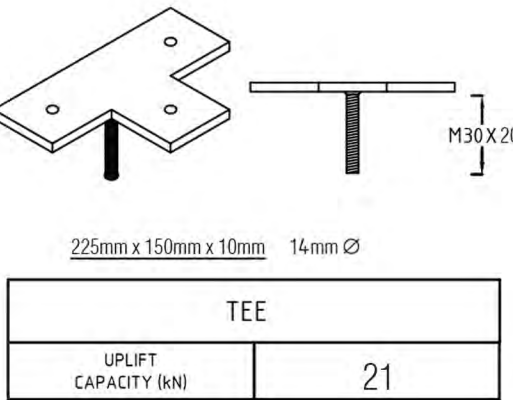
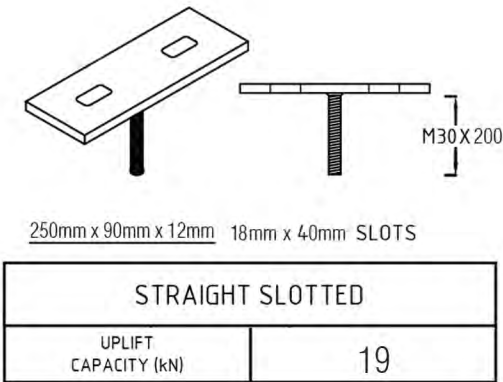
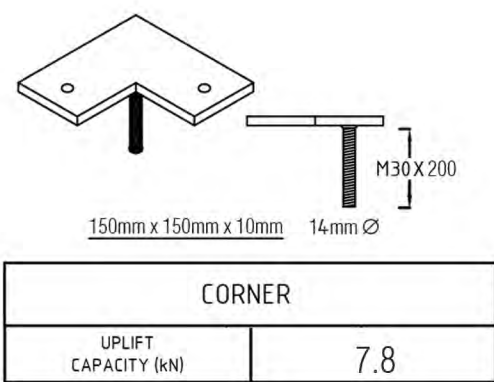
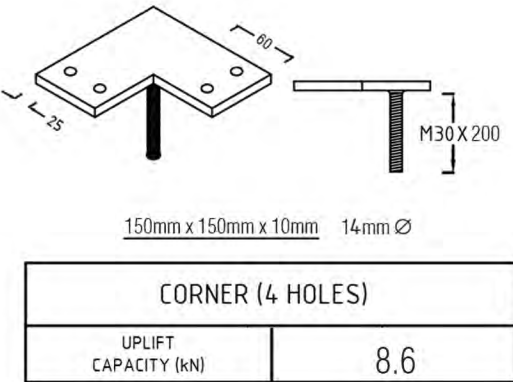
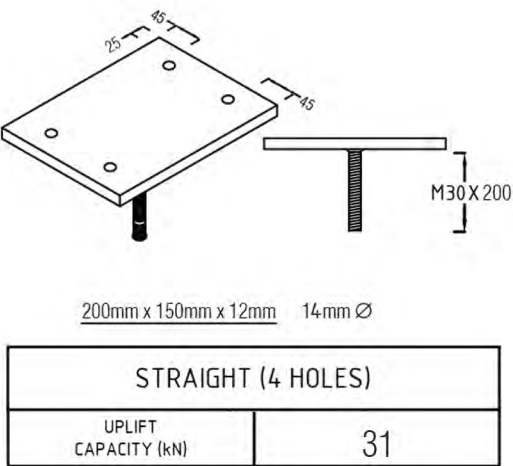
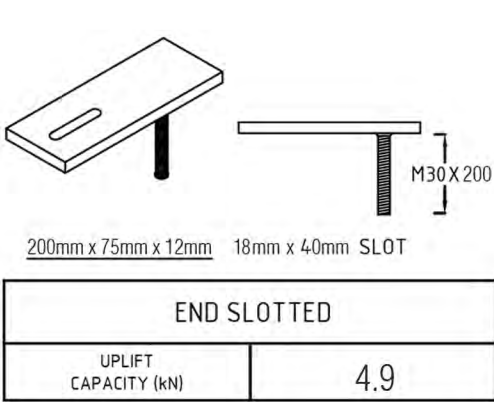
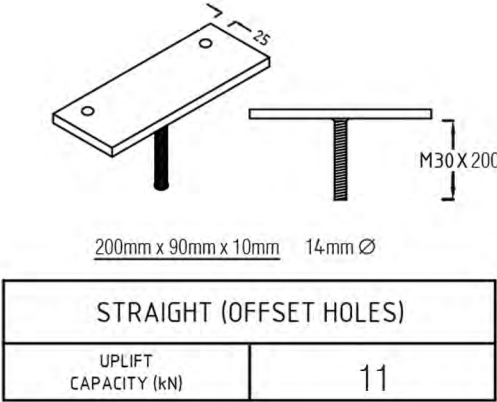
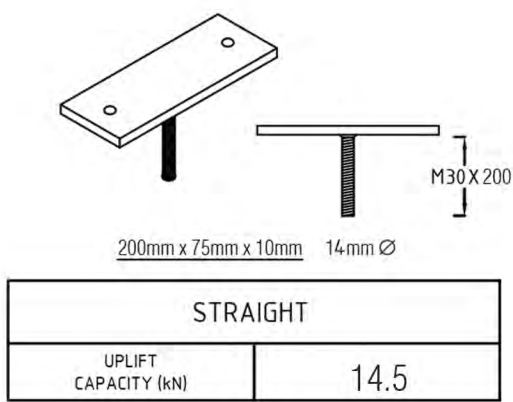
DRAWN LM	DATE JULY 2025
CHECKED BS	APPROVED JULY 2025
DRAWING No. S-01	REV. 1

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

KEY NOTES

1. ALL CAPACITIES ARE ASSUMING THE ADJUSTBALE TOP IS CONNECTED INTO A SUFFICIENTLY RIGID BODY.
2. THE CAPACITIES ARE FOR THE LEVELMASTER 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. LEVELMASTER TOPS ARE ABLE TO CONNECT WITH LEVELMASTER SCREW ON SHS CONNECTORS, SCREW ON CHS CONNECTORS, OR WELD ON CONNECTORS.
7. ALL STEEL TO BE MIN. GRADE 350 AND THE THREADS TO BE 4.6 GRADE.

ALL LEVELMASTER TOPS	
COMPRESSION CAPACITY (kN)	130
LATERAL CAPACITY 50mm EXTENSION (kN)	30
LATERAL CAPACITY 100mm EXTENSION (kN)	15
LATERAL CAPACITY 150mm EXTENSION (kN)	10



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

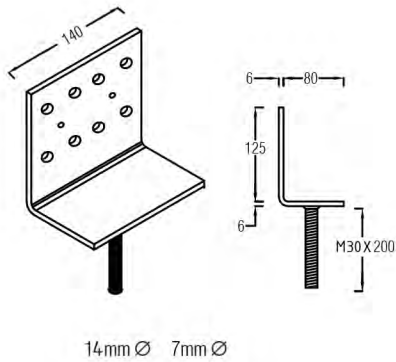


CONTACT DETAILS
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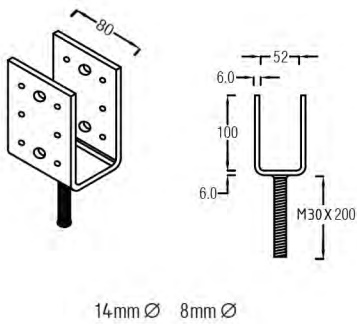
PROJECT
(ADJUSTABLE) HOUSE
STUMP COMPONENTS
SERIES

TITLE
ADJUSTABLE TOPS

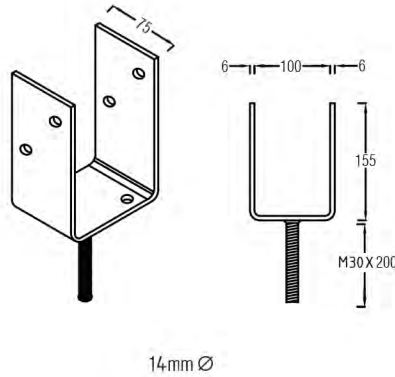
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CHECKED BS	APPROVED JULY 2025
DRAWING No. S-02	REV. 1



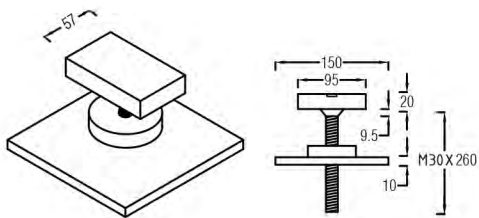
VERTICAL PLATE LARGE	
UPLIFT CAPACITY (kN)	8.9



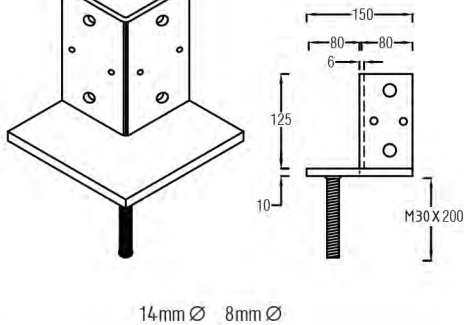
VERTICAL PLATE STIRRUP 50mm	
UPLIFT CAPACITY (kN)	22.9



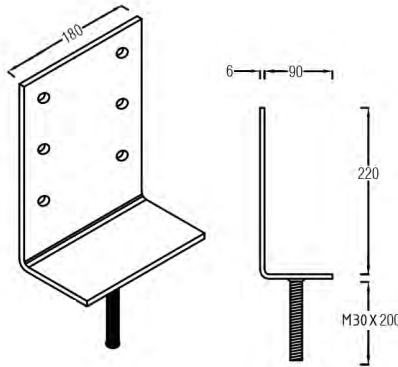
VERTICAL PLATE STIRRUP 100mm	
UPLIFT CAPACITY (kN)	15



CONTAINER LOCK	
UPLIFT CAPACITY (kN)	N/A
COMPRESSION CAPACITY (kN)	60



VERTICAL LARGE CORNER	
UPLIFT CAPACITY (kN)	22

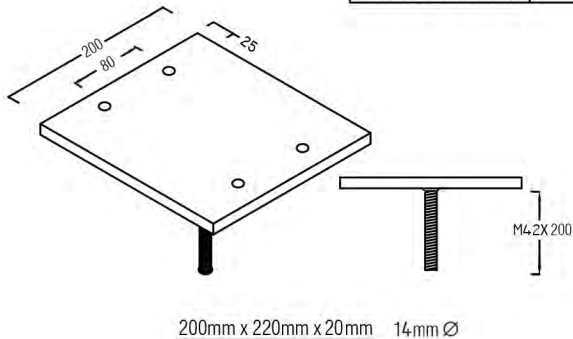


VERTICAL PLATE (XL)	
UPLIFT CAPACITY (kN)	8.4

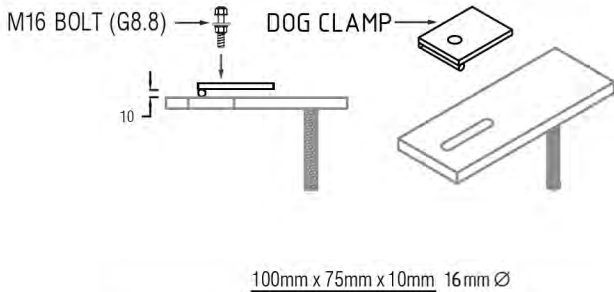
KEY NOTES

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2. THE CAPACITIES ARE FOR THE LEVELMASTER 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. LEVELMASTER TOPS ARE ABLE TO CONNECT WITH LEVELMASTER SCREW ON SHS CONNECTORS, SCREW ON CHS CONNECTORS, OR WELD ON CONNECTORS.
7. ALL STEEL TO BE MIN. GRADE 350 AND THE THREADS TO BE 4.6 GRADE.

ALL LEVELMASTER TOPS	
COMPRESSION CAPACITY (kN)	130
LATERAL CAPACITY 50mm EXTENSION (kN)	30
LATERAL CAPACITY 100mm EXTENSION (kN)	15
LATERAL CAPACITY 150mm EXTENSION (kN)	10



STRAIGHT LARGE -HEAVY DUTY	
UPLIFT CAPACITY (kN)	39
COMPRESSION CAPACITY (kN)	420
LATERAL CAPACITY 50mm EXTENSION (kN)	48
LATERAL CAPACITY 100mm EXTENSION (kN)	36
LATERAL CAPACITY 150mm EXTENSION (kN)	24



DOG CLAMP			
CLAMPING CAPACITY (kN)	UPLIFT CAPACITY (kN)	COMPRESSION CAPACITY (kN)	LATERAL CAPACITY (kN)
35	4	130	N/A
*SEE NOTES ON PAGE S01			

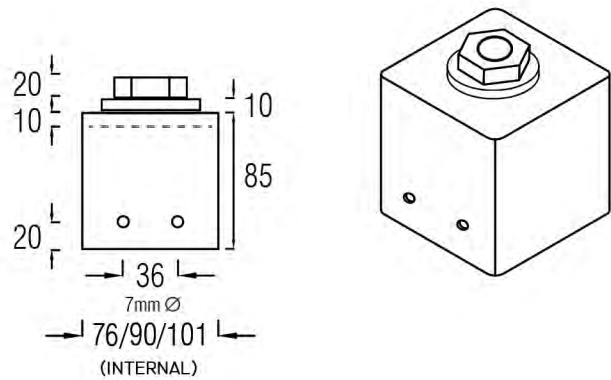


CONTACT DETAILS
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PROJECT
(ADJUSTABLE) HOUSE STUMP COMPONENTS SERIES

TITLE
ADJUSTABLE TOPS

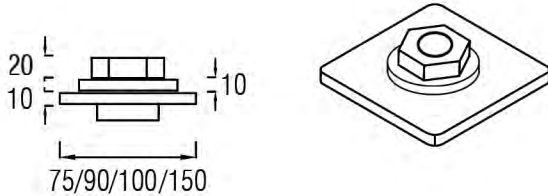
DRAWN LM	DATE JULY 2025
CHECKED BS	APPROVED JULY 2025
DRAWING No. S-03	REV. 1



SCREW ON (SHS) CONNECTOR

SUITS 75mm / 89mm / 100mm SHS POST

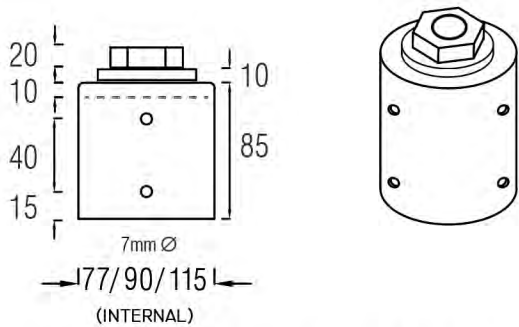
PRODUCT CAPACITY			
	SO-75	SO-90	SO-100
COMPRESSION CAPACITY	110 kN	58 kN	45 kN
MAXIMUM UPLIFT CAPACITY	12 kN	12 kN	12 kN
MINIMUM DEADLOAD	44 kN	37.5 kN	33.5 kN



WELD ON (SHS) CONNECTOR

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

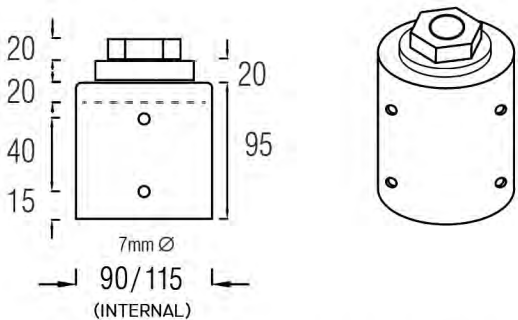
PRODUCT CAPACITY				
	WO-75	WO-90	WO-100	WO-150
COMPRESSION CAPACITY	110 kN	58 kN	45 kN	30 kN
MAXIMUM UPLIFT CAPACITY	110 kN	58 kN	45 kN	30 kN
NO DEADLOAD STABILITY REQUIREMENT FOR THE WELD ON SHS CONNECTOR				



SCREW PILE (CHS) CONNECTOR

SUITS 76mm / 90mm / 114mm CHS POST

PRODUCT CAPACITY			
	SP-76	SP-90	SP-114
COMPRESSION CAPACITY	115 kN	75 kN	45 kN
MAXIMUM UPLIFT CAPACITY	24 kN	24 kN	24 kN
MINIMUM DEADLOAD	44 kN	37 kN	29.5 kN



SCREW PILE (CHS) CONNECTOR HD

SUITS 90mm / 114mm CHS POST ONLY TO BE USED WITH THE SL-HD TOP

PRODUCT CAPACITY		
	SP-90-HD	SP-114-HD
COMPRESSION CAPACITY	115 kN	115 kN
MAXIMUM UPLIFT CAPACITY	24 kN	24 kN
MINIMUM DEADLOAD	59.5 kN	47 kN

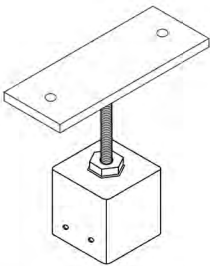
GENERAL NOTES

1. ALL CONNECTORS SUIT ALL LEVELMASTER ADJUSTABLE TOPS WITH 30mm THREAD. (WITH THE EXCEPTION OF THE HEAVY DUTY)
2. MIN. 4 SCREW (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 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 MINIMUM GRADE 350.

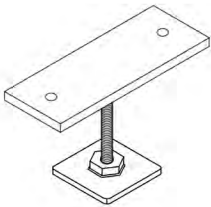
LATERAL CAPACITY NOTE

SCREW CONNECTORS LATERAL CAPACITIES ARE LIMITED BY THE STABILITY OF THE STRUCTURE. THE UNFACTORED VERTICAL DEADLOAD OF THE STRUCTURE MUST BE GREATER THAN THE MINIMUM DEADLOADS PROVIDED ENSURING THE STABILITY OF THE JOINT UNDER LATERAL LOADS (NO MOMENT RESOLVED BY TEK SCREWS)

EXAMPLES OF TOP AND CONNECTOR ASSEMBLY:



STRAIGHT TOP WITH SCREW ON (SHS) ASSEMBLY



STRAIGHT TOP WITH WELD ON ASSEMBLY

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

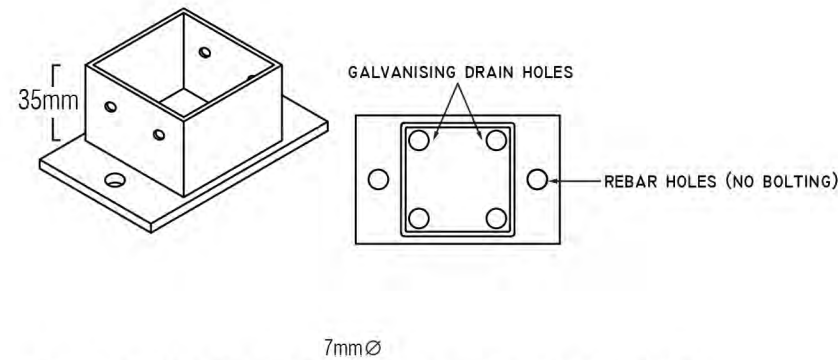


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PROJECT
(ADJUSTABLE) HOUSE STUMP COMPONENTS SERIES

TITLE
CONNECTORS

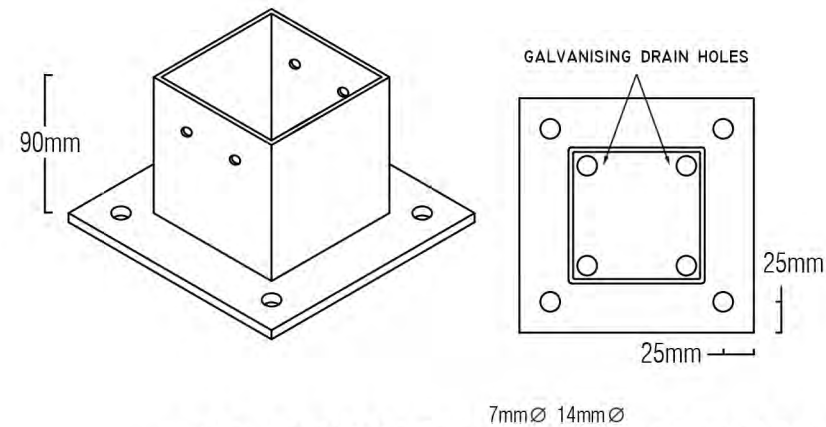
DRAWN LM	DATE JULY 2025
CHECKED BS	APPROVED JULY 2025
DRAWING No. S-04	REV. 1



CAST INTO CONCRETE BASEPLATE

SUIT 75mm & 89mm SHS POST

90 x 120 x 6mm (75mm version) 6mm sleeve thickness with 76mm internal
100 x 150 x 6mm (89mm version) 6mm sleeve thickness with 90mm internal

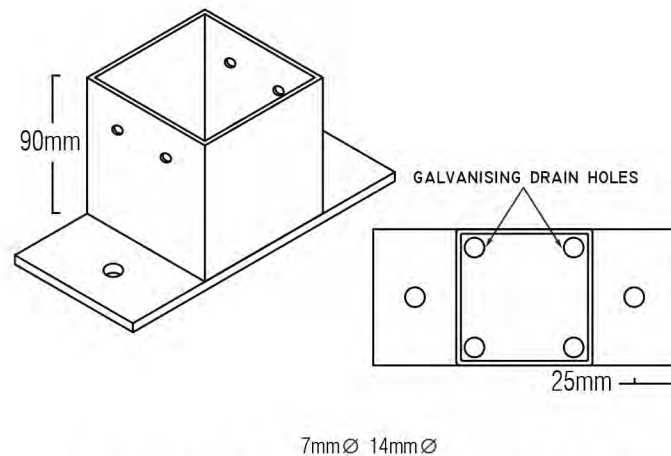


BOLT DOWN BASEPLATE (4 HOLES)

SUITS 75mm, 89mm & 100mm SHS POSTS

180 x 180 x 10mm (75mm version) 6mm sleeve thickness with 76mm internal
180 x 180 x 10mm (89mm version) 6mm sleeve thickness with 90mm internal
180 x 180 x 10mm (100mm version) 6mm sleeve thickness with 101mm internal

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)

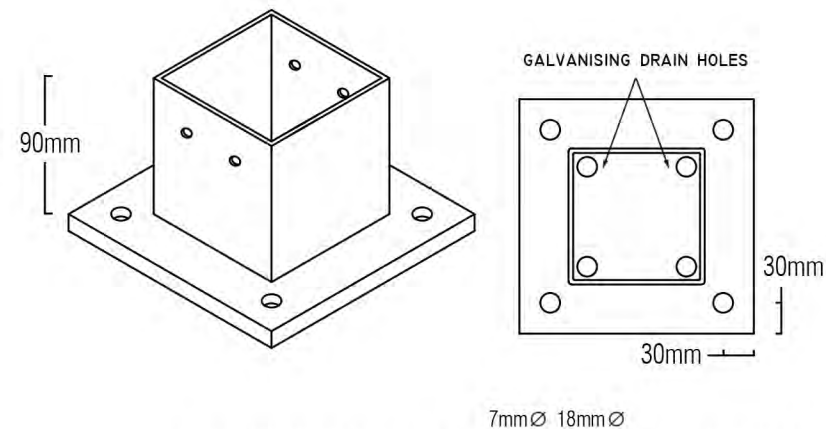


BOLT DOWN BASEPLATE (2 HOLES)

SUITS 75mm, 89mm & 100mm SHS POSTS

200 x 80 x 8mm (75mm version) 6mm sleeve thickness with 76mm internal
200 x 100 x 8mm (89mm version) 6mm sleeve thickness with 90mm internal
200 x 110 x 8mm (100mm version) 6mm sleeve thickness with 101mm internal

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)



BOLT DOWN BASEPLATE LARGE (4 HOLES)

SUITS 75mm, 89mm & 100mm SHS POSTS

210 x 210 x 12mm (75mm version) 6mm sleeve thickness with 76mm internal
210 x 210 x 12mm (89mm version) 6mm sleeve thickness with 90mm internal
210 x 210 x 12mm (100mm version) 6mm sleeve thickness with 101mm internal

BOLT DOWN OPTIONS (4 HOLES) - 20MPa concrete (min) - 90mm edge distance (min)	
RAMSET CHEMSET '101'	TBC
WERCS ANKASCREW	TBC

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 G350. (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.	

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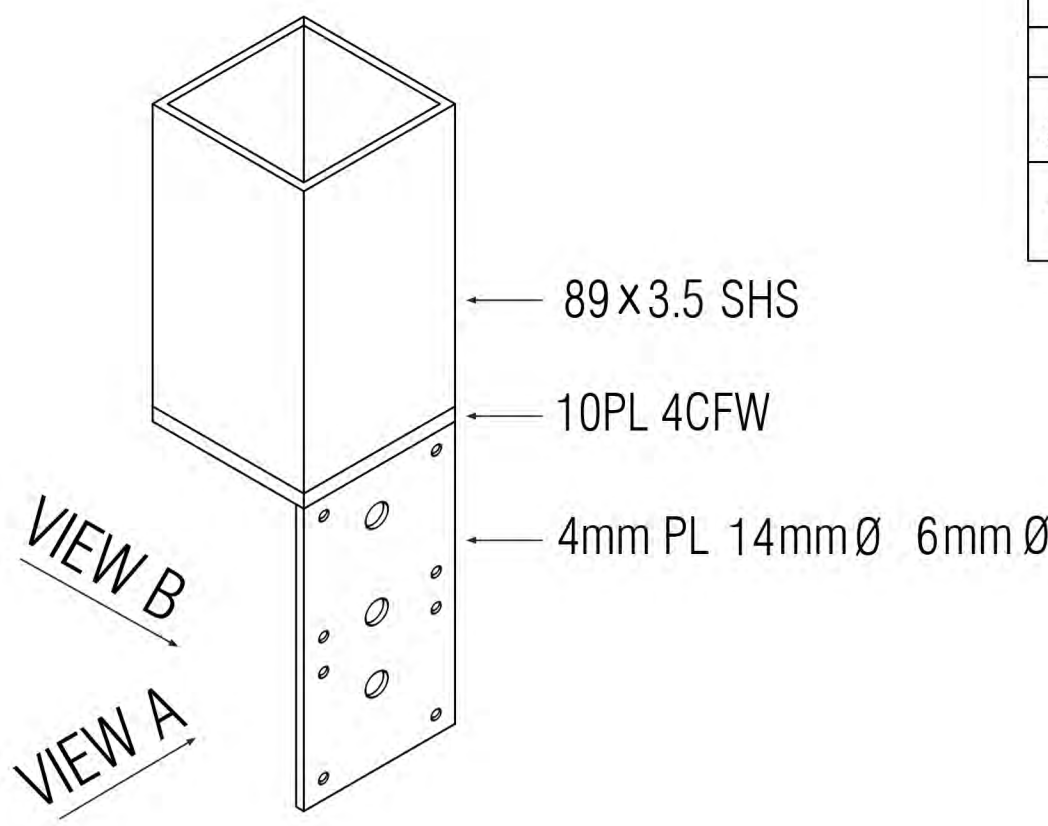
PROJECT

(ADJUSTABLE) HOUSE
STUMP COMPONENTS
SERIES

TITLE

BASE PLATES

DRAWN LM	DATE JULY 2025
CHECKED BS	APPROVED JULY 2025
DRAWING No. S-05	REV. 1



LEVELMASTER POST HEADS MAY BE USED TO RETROFIT EXISTING COLUMNS AND ARE AVAILABLE WITH ONE SIDE REMOVED.		
REFERENCE (EXISTING) COLUMNS & CONNECTIONS		
STEEL (SHS) 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.

VIEW A

VIEW B

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*ORIGINAL DATA PROVIDED BY SUMMERMORE Pty Ltd.