NORTHERN TERRITORY OF AUSTRALIA
BUILDING ACT
SECTION 40 – CERTIFICATE OF COMPLIANCE – STRUCTURAL DESIGN

(All sections must be completed – mark N/A to any question that does not apply

PROPERTY / PROJECT DETAILS

Owner (if known): XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Lot/Portion Number: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Address: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Location: All Areas of the Northern Territory	Town / Hundred : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Description of works :

Level Master Post Heads.

DOCUMENTS ATTACHED

Drawing Nos:	Drawing 20-10897-S03—S06 & S06a
Other:	

DESIGN BASIS (please list relevant Standards used in the design)

- AS/NZS 1170.0:2002 Structural Design Actions- General principles
- AS/NZS 1170.1:2002 Structural Design Actions- Permanent, imposed and other actions
- AS/NZS 1170.2:2021 Structural Design Actions- Wind actions.
- AS 4100:2020 Steel Structures

Class of Building (BCA): 1a or 10a		Type of Construction (BCA volume 1 §C1.1): Domestic (eg. Type A fire-resisting construction)	
Building Importance Level (BCA Table B1.2a): 2		Annual Probability of Exceedance for Wind (BCA Table 1.2b): **1 in 500**	
Region: Various	Regional ultimate wind speed V_R(m/s): Various	Terrain Category: Various	Reference height (m): N/A
$M_{z,cat}$: Various	M_s : Various	M_t : Various	$V_{des\theta}$ Design Wind Speed at reference height (m/s): Various

Internal Pressure Coefficients ($C_{p,i}$):		**Various**
External Pressure Coefficients ($C_{p,e}$)	Walls	**Various**
	Roof	**Various**
Net Pressure Coefficients: ($C_{p,n}$)	Roof / Walls	**Various**
Imposed Loads, kPa	Floor / Roof	**Floor Live Load 2.5kPa**

Earthquake Design Category, EDC (Table 2.1 of AS 1170.4): Domestic Refer Appendix A AS1170.4
Annual Probability of Exceedance for Earthquake Actions (BCA Table 1.2b): **N/A**
Importance Level (BCA): N/A Hazard Factor, Z (Section 3): N/A Class of Sub-Soil (Section 4): N/A

Safe Foundation Bearing Capacity, kPa: 100kPa Site classification (AS2870): A Assumed

COMMENTS / EXCLUSIONS (Exclusions to this Certificate must be clearly identified).

The following items are excluded and shall be certified separately:

Comments:

CERTIFICATION BY STRUCTURAL ENGINEER

Company Name **if certification issued on behalf of a corporation** **Summermore Pty Ltd**	**Company NT Registration Number** 127239ES

I certify that reasonable care has been taken to ensure that the structural engineering aspects of the works as described above have been designed in accordance with the requirements of the Building Code of Australia and the Northern Territory Building Regulations.

Name **(see *below)** **Ronald A Bell**	**Nominee/Individual NT Registration Number** **60596ES**	**Signature**	**Date** **Tuesday, 23 August 2022**

* Name and registration number of nominee signing on behalf of the company or if no company, name of individual issuing certification.

SCHEDULE OF STRUCTURAL INSPECTIONS REQUIRED

Inspection of construction is required at the stages indicated below.

[ ] 1. Completion of site preparation/site filling/excavations for footings prior to placement of any reinforcement or concrete.

[ ] 2. Completion of preparations for placing of concrete strip footings including placement of reinforcement.

[ ] 3. Completion of preparations for placing concrete slabs including compaction of fill and sand blinding, placement of formwork, reinforcement, starter bars and cast in items.

[ ] 4. Completion of preparations for placing of concrete pier footings including reinforcement (if any).

[ ] 5. Starter bars and cast in items after placing of concrete and prior to any covering up work.

[ ] 6 Reinforcement to walls completed prior to core filling (inspection holes and cleanout cores to be completed).

[X] 7. Structural steelwork and cold formed steelwork completed and prior to any covering up work. Floor framing system completed before floors are laid or underside is lined.

[ ] 8. Suspended concrete floor slabs with formwork, reinforcement and cast in items completed, prior to placing of concrete.

[ ] 9. Wall framing or blockwork wall core filling completed (with windows fixed in place) and roof framing with connections completed and prior to sheeting or lining.

Note: **[ ]** Prior lodgement of truss manufacturer's drawings, details and certification required.
[ ] Prior lodgement of windows manufacturer's drawings including fixings and certification required.

[ ] 10. Structural wall linings completed and prior to any covering up work.

[X] 11. Final inspection upon completion of all structural work including fixings of external roof and wall claddings, flashings, barges & vents.

[X] 12. Other Inspections as required by the building permit

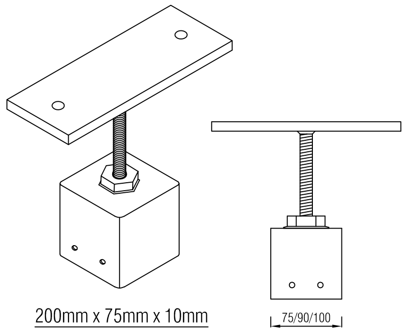
Important Information:

1) The above inspections are required to be carried out by either the certifying engineer or the building certifier who issued the Building Permit for the work. (If no inspections are indicated refer to the certifying engineer for advice).

2) Where works are prescribed building works under the *NT Building Act*, the building certifier must be provided with a copy of the inspection record and no further works must be carried out by the builder until the building certifier issues a release to proceed with further works.

3) Additional non structural inspections may be required during the course of construction before the issue of an Occupancy Permit (refer to building certifier for requirements).

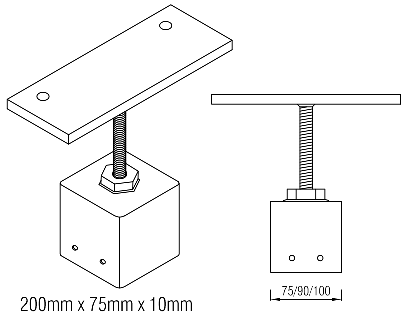
4) Failure to obtain inspections may prevent the issue of an Occupancy Permit upon completion of the building works.



200mm x 75mm x 10mm

STRAIGHT

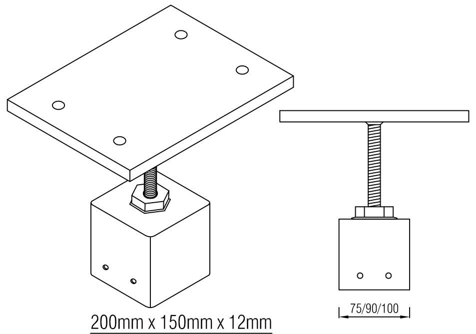
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 75mm x 10mm

STRAIGHT (offset holes)

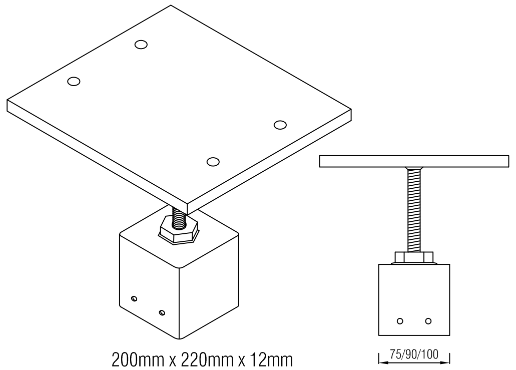
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 150mm x 12mm

STRAIGHT (4 holes)

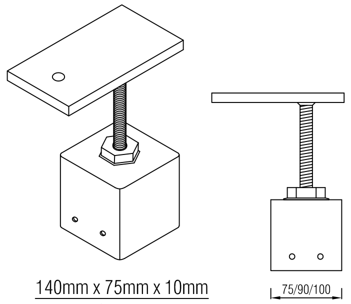
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 220mm x 12mm

LARGE STRAIGHT (4 holes)

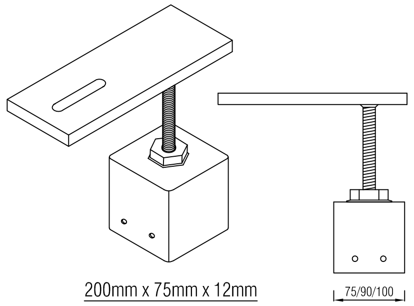
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



140mm x 75mm x 10mm

END OF BEARER

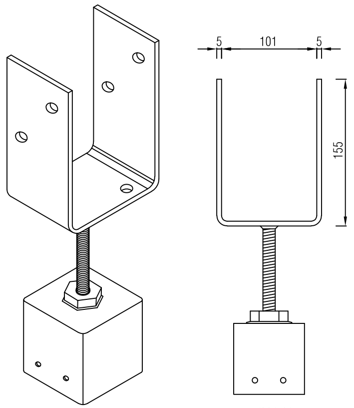
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 75mm x 12mm

END SLOTTED

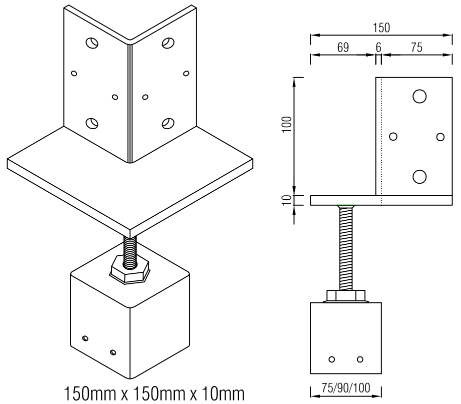
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



101mm x 155mm x 75mm

VERTICAL PLATE STIRRUP

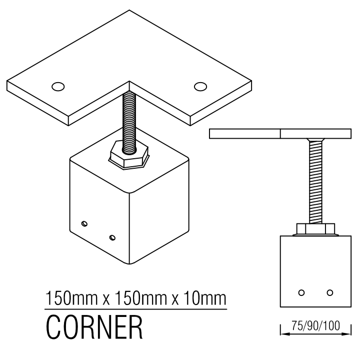
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



150mm x 150mm x 10mm

VERTICAL LARGE CORNER (8 holes)

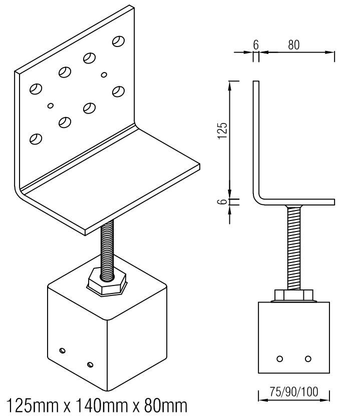
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



150mm x 150mm x 10mm

CORNER

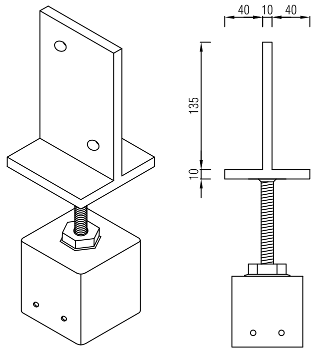
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



125mm x 140mm x 80mm

VERTICAL PLATE (large)

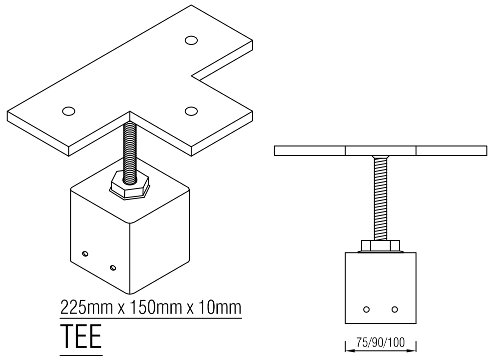
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



90mm x 90mm x 10mm

VERTICAL PLATE 90

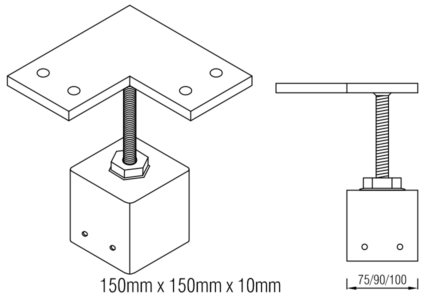
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



225mm x 150mm x 10mm

TEE

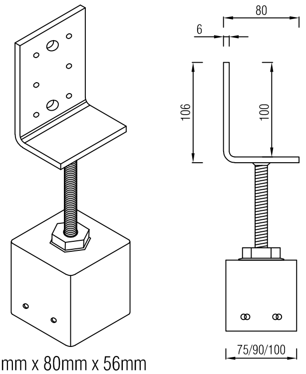
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



150mm x 150mm x 10mm

CORNER (4 holes)

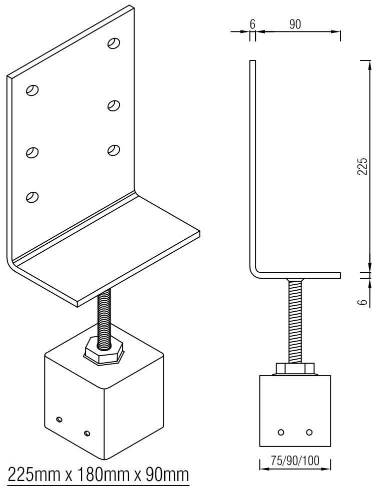
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN



106mm x 80mm x 56mm

VERTICAL PLATE (small)

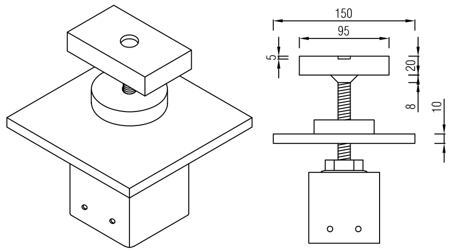
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



225mm x 180mm x 90mm

VERTICAL PLATE (xlarge)

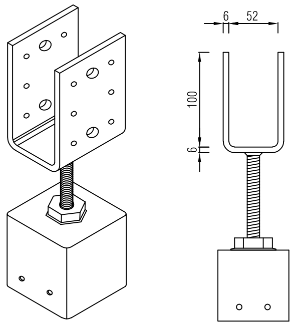
MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



95mm x 57mm x 20mm

CONTAINER LOCK - CL

MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



52mm x 100mm x 80mm

VERTICAL PLATE STIRRUP

MAX UPLIFT = 36.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED

NETT 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

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 0.78kN/m^2 (roof) +
9m^2 x 2.85kN/m^2 (floor) +
3m wall x 2.4 high x 0.42kN/m^2 (wall)
= 35.7 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: 35.7 kN < 150 kN
AND 9.09 kN < 13 kN.

TYPICAL LOADS (kN/m^2)	
DOMESTIC FLOOR	2.85
SHEET ROOF	0.78
CLAD WALLS	0.42

CAP TO COLUMN CONNECTION TO HAVE 4/12g SCREWS (2 each opp face). UNLESS FIXING TO EXISTING COLUMNS AS PER EXISTING COLUMN TABLE.

* ALL SCREWS TO BE CLASS 4 12g (24TPI) FROM ICCONS PTY LTD.

* IF NOT CENTRALLY LOADED ALL UPLIFT LOADS ARE 13.0 kN

* IF NOT CENTRALLY LOADED ALL DOWNWARDS LOADS ARE 13.0 kN

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

DRAWING REVISIONS				REFERENCE DRAWINGS	
J	REVISED AS PER CLIENTS REQUEST	GAB	SEP2022		
I	REVISED AS PER CLIENTS REQUEST	GAB	MAR2021		
H	REVISED AS PER CLIENTS REQUEST	GAB	FEB2021		
G	REVISED AS PER CLIENTS REQUEST	RAB	OCT2020		
F	REVISED AS PER CLIENTS REQUEST	GAB	APR2019		
-	PRELIMINARY FOR CLIENTS APPROVAL	GAB	MAY2016		
REV	DESCRIPTION	BY	DATE	DRAWING NAME	TITLE

SIGNED APPROVAL		
APPROVED		19SEP2022
RPEQ	6715	
REVIEWED		
DESIGNED	RAB	SEP 2022
DRAWN	GAB	SEP 2022
SCALE	AS SHOWN	
ORIGINAL DRAWING SIZE at A3		

Summermore Pty Ltd
Consulting Engineers
ACN: 108 898 433
ABN: 42 108 898 433
ron@summermore.com.au
www.summermore.com.au
PO Box 1671
Browns Plains BC, QLD, 4118
Phone: 07 3800 0973
Fax: 07 3800 1860

CLIENT

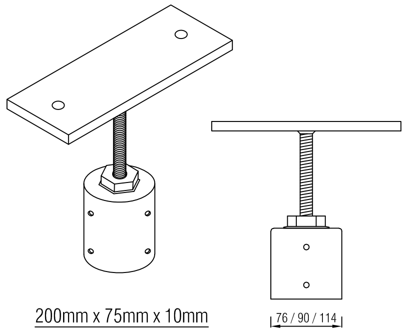
LevelMaster
Stronger • Easier • Faster ADJUSTABLE HOUSE STUMPS

PROJECT
ADJUSTABLE POST HEADS

TITLE
Screw On Connectors
SHS Capacities

DRAWING NUMBER
16-10897-S03

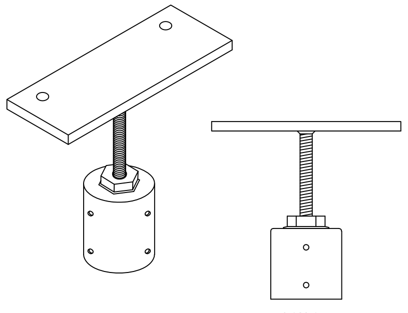
REV
J



200mm x 75mm x 10mm

STRAIGHT

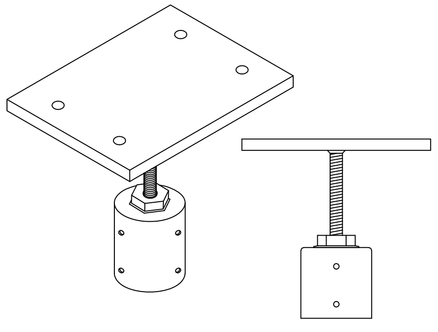
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 75mm x 10mm

STRAIGHT (offset holes)

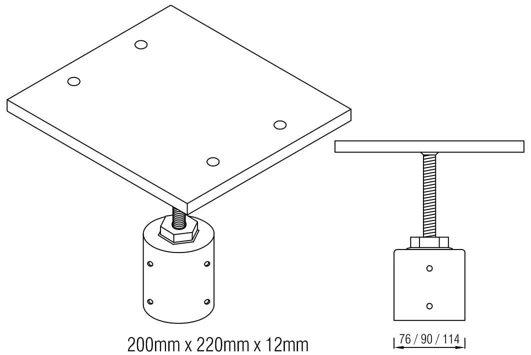
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 150mm x 12mm

STRAIGHT (4 holes)

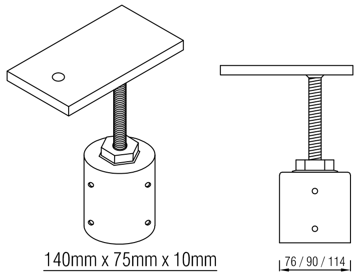
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 220mm x 12mm

LARGE STRAIGHT (4 holes)

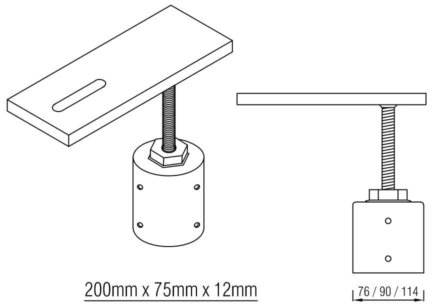
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



140mm x 75mm x 10mm

END OF BEARER

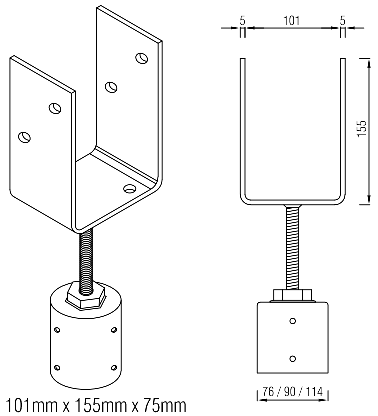
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



200mm x 75mm x 12mm

END SLOTTED

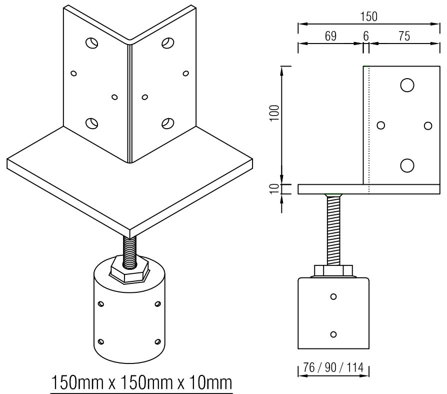
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



101mm x 155mm x 75mm

VERTICAL PLATE STIRRUP

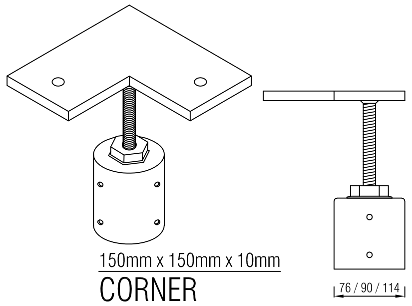
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



150mm x 150mm x 10mm

VERTICAL LARGE CORNER (8 holes)

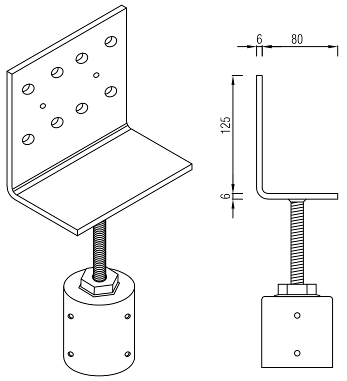
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



150mm x 150mm x 10mm

CORNER

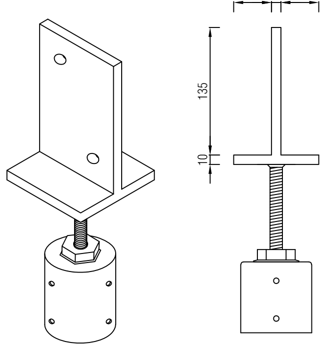
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



125mm x 140mm x 80mm

VERTICAL PLATE (large)

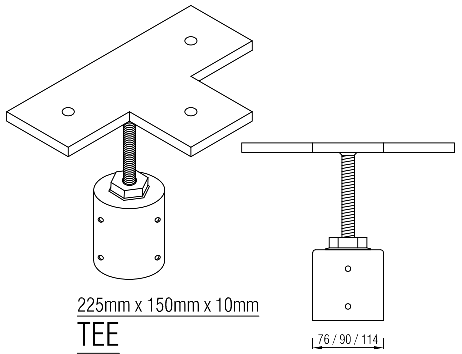
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



90mm x 90mm x 10mm

VERTICAL PLATE 90

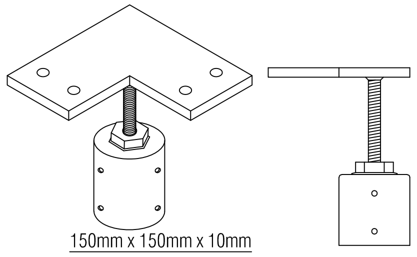
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



225mm x 150mm x 10mm

TEE

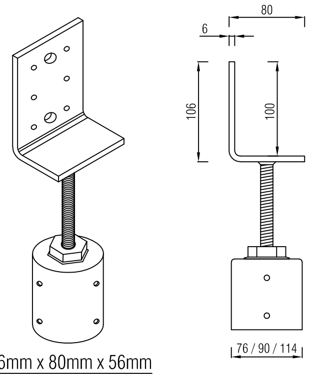
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



150mm x 150mm x 10mm

CORNER (4 holes)

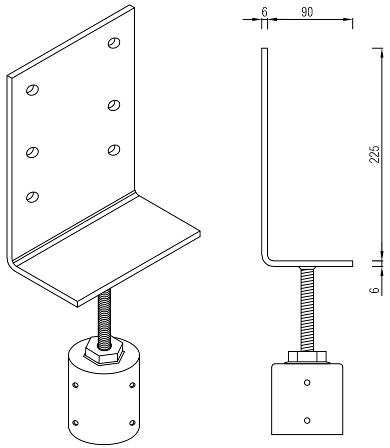
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN



106mm x 80mm x 56mm

VERTICAL PLATE (small)

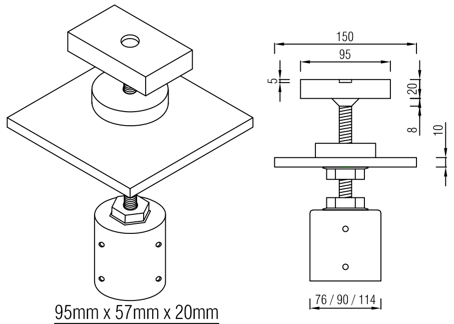
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



225mm x 180mm x 90mm

VERTICAL PLATE (xlarge)

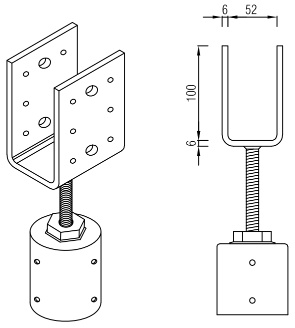
MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



95mm x 57mm x 20mm

CONTAINER LOCK - CL

MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



52mm x 100mm x 80mm

VERTICAL PLATE STIRRUP

MAX UPLIFT = 72.0 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED

NETT WIND PRESSURE AT STUMP (kN/m²)						
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

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 $= 9m^2 \times 0.78kN/m^2$ (roof) +
$9m^2 \times 2.85kN/m^2$ (floor) +
3m wall x 2.4 high x $0.42kN/m^2$ (wall)
= 35.7 kN total.

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

* SO USE LEVEL MASTER CENTRE LOADED ADJUSTABLE TOP/POST HEAD BECAUSE: 35.7 kN < 150 kN
AND 9.09 kN < 13 kN.

TYPICAL LOADS (kN/m²)	
DOMESTIC FLOOR	2.85
SHEET ROOF	0.78
CLAD WALLS	0.42

CAP TO COLUMN CONNECTION TO HAVE 8/12g SCREWS (equally spaced).

* ALL SCREWS TO BE CLASS 4 12g (24TPI) FROM ICCONS PTY LTD.

* IF NOT CENTRALLY LOADED ALL UPLIFT LOADS ARE 13.0 kN

* IF NOT CENTRALLY LOADED ALL DOWNWARDS LOADS ARE 13.0 kN

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

DRAWING REVISIONS			
REV	DESCRIPTION	BY	DATE
J	REVISED AS PER CLIENTS REQUEST	GAB	AUG2022
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RPEQ	6715	
REVIEWED		
DESIGNED	RAB	AUG 2022
DRAWN	GAB	AUG 2022
SCALE	AS SHOWN	

ORIGINAL DRAWING SIZE at A3

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CLIENT

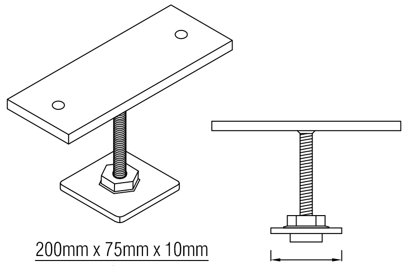
LevelMaster
Stronger • Easier • Faster ADJUSTABLE HOUSE STUMPS

PROJECT
ADJUSTABLE POST HEADS

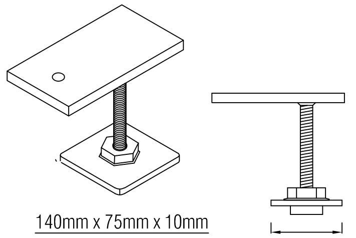
TITLE
Screw On Connectors
CHS Capacities

DRAWING NUMBER
16-10897-S04

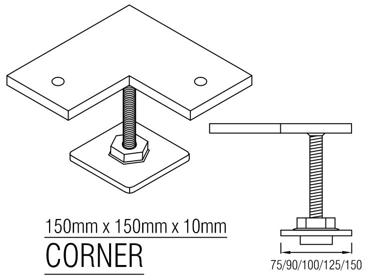
REV
J



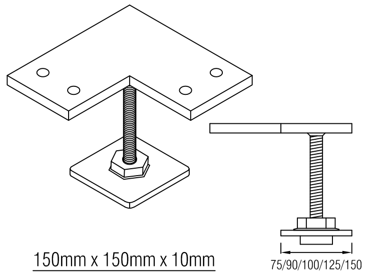
200mm x 75mm x 10mm
STRAIGHT
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



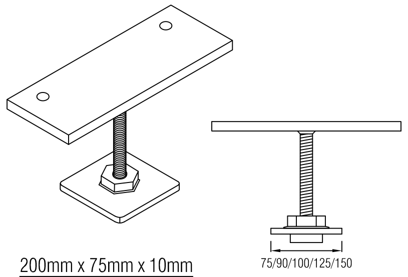
140mm x 75mm x 10mm
END OF BEARER
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



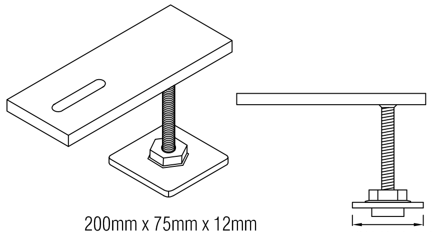
150mm x 150mm x 10mm
CORNER
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



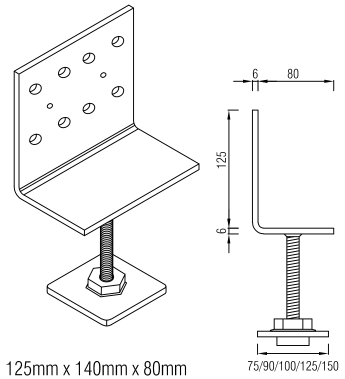
150mm x 150mm x 10mm
CORNER (4 holes)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



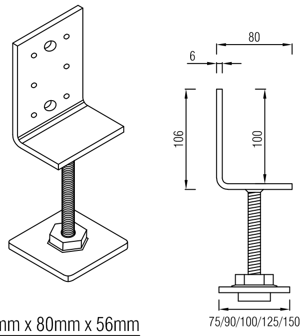
200mm x 75mm x 10mm
STRAIGHT (offset holes)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



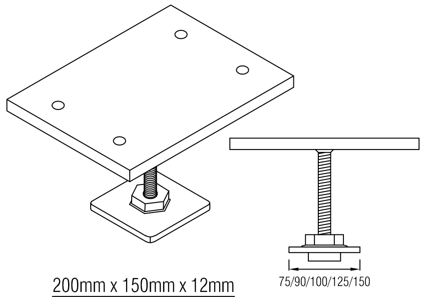
200mm x 75mm x 12mm
END SLOTTED
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



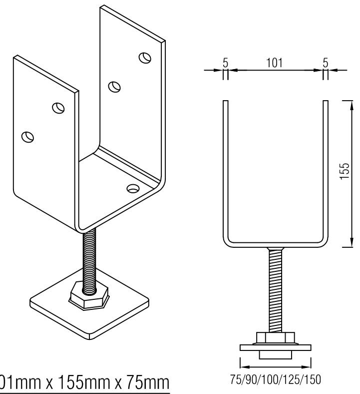
125mm x 140mm x 80mm
VERTICAL PLATE (large)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



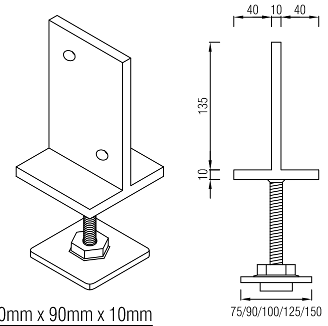
106mm x 80mm x 56mm
VERTICAL PLATE (small)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



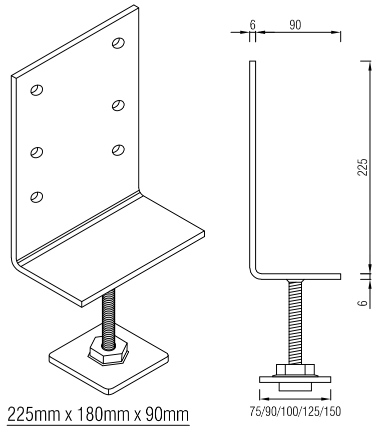
200mm x 150mm x 12mm
STRAIGHT (4 holes)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



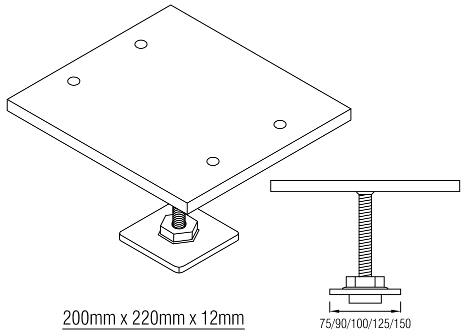
101mm x 155mm x 75mm
VERTICAL PLATE STIRRUP
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



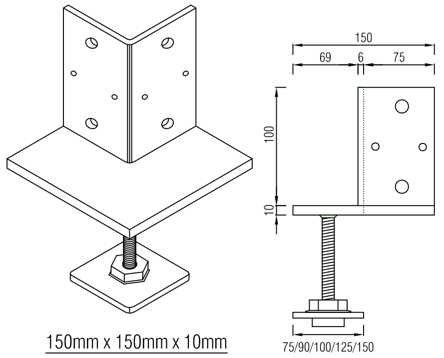
90mm x 90mm x 10mm
VERTICAL PLATE 90
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



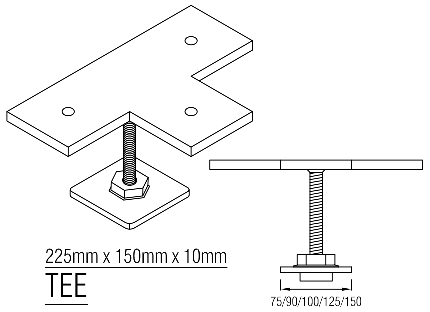
225mm x 180mm x 90mm
VERTICAL PLATE (xlarge)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



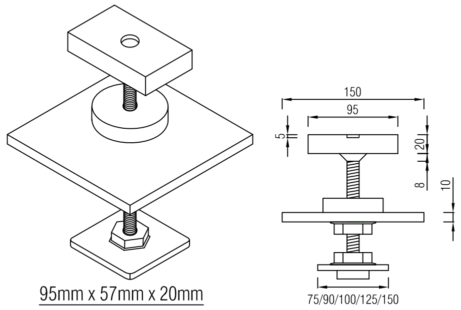
200mm x 220mm x 12mm
LARGE STRAIGHT (4 holes)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



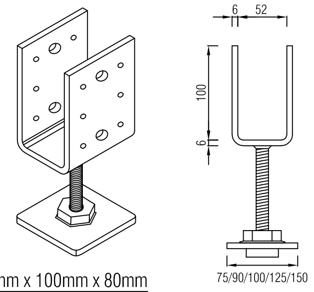
150mm x 150mm x 10mm
VERTICAL LARGE CORNER (8 holes)
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



225mm x 150mm x 10mm
TEE
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN



95mm x 57mm x 20mm
CONTAINER LOCK - CL
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED



52mm x 100mm x 80mm
VERTICAL PLATE STIRRUP
MAX UPLIFT = 150 kN
MAX DOWNWARDS LOAD = 150 kN
* CENTRALLY LOADED

NETT 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	0.78
CLAD WALLS	0.42

CAP TO COLUMN CONNECTION TO BE WELDED ON ALL 4 EDGES.

* IF NOT CENTRALLY LOADED ALL UPLIFT LOADS ARE 13.0 kN

* IF NOT CENTRALLY LOADED ALL DOWNWARDS LOADS ARE 13.0 kN

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

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CLIENT

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PROJECT
ADJUSTABLE POST HEADS

TITLE
Weld On Connectors
SHS Capacities

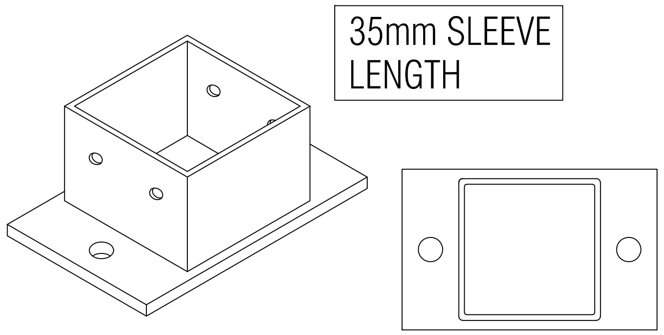
DRAWING NUMBER
16-10897-S05

REV
J

* IF NOT CENTRALLY LOADED ALL DOWNWARDS LOADS ARE 13.0 kN

TYPICAL LOADS (kN/m^2)	
DOMESTIC FLOOR	2.85
SHEET ROOF	0.78
CLAD WALLS	0.42

NETT 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



SUIT 75mm & 89mm POST

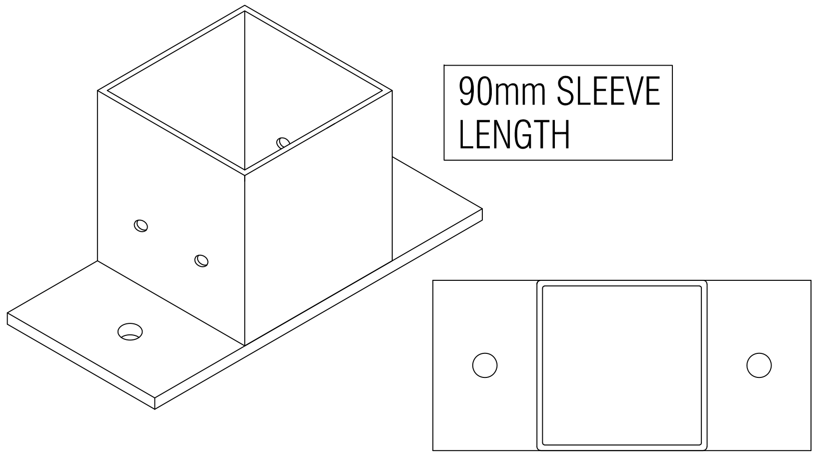
CAST IN BASEPLATE TO CONCRETE

MAX UPLIFT = 36.0 kN

- * 89SHS3.5 or 100SHS4.0 COLUMN MAXIMUM COMPRESSION LOAD EXCEEDS 150kN UP TO 4500mm HEIGHT.
- * 75SHS3.0 COLUMN MAXIMUM COMPRESSION LOAD EXCEEDS 150kN UP TO 2500mm HEIGHT.
- * 75SHS4.0 COLUMN MAXIMUM COMPRESSION LOAD EXCEEDS 150kN UP TO 3000mm HEIGHT.

*ALL OTHER COLUMNS/HEIGHTS TO BE SITE SPECIFIC DESIGNED.

COLUMN TO BASEPLATE CONNECTION TO HAVE 4/12g SCREWS (2 each opp face).

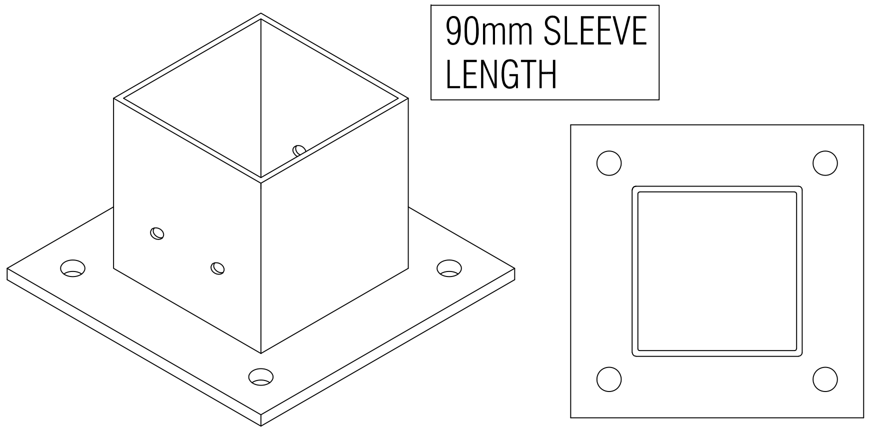


SUIT 75mm, 89mm & 100mm POST

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)

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 $0.78kN/m^2$ (roof) +
$9m^2$ x $2.85kN/m^2$ (floor) +
3m wall x 2.4 high x $0.42kN/m^2$ (wall)
= 35.7 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: 35.7 kN < 150 kN AND 9.09 kN < 13 kN.

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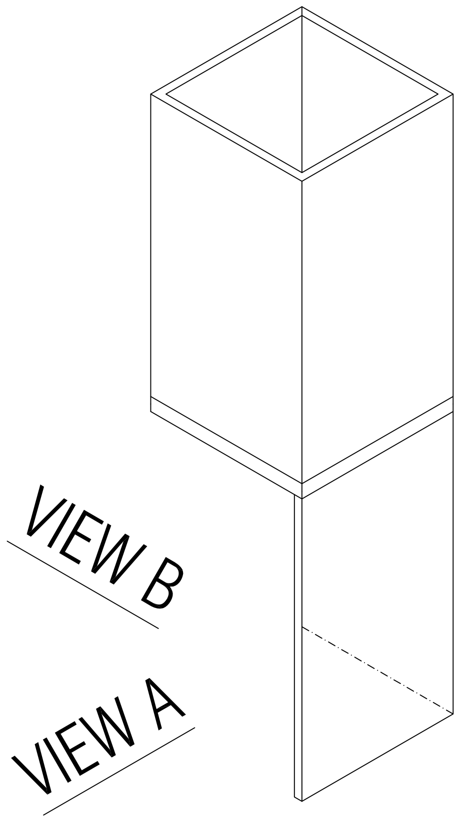
PROJECT ADJUSTABLE POST HEADS

TITLE
Base Plates
SHS Capacities

DRAWING NUMBER 16-10897-S06

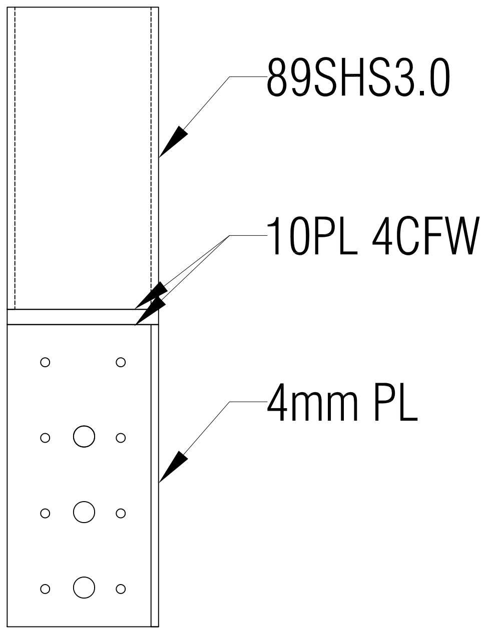
REV J



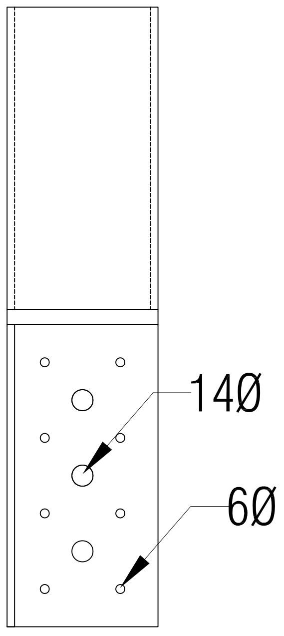
* LEVELMASTER POST HEADS MAY BE USED TO RETROFIT EXISTING COLUMNS AND ARE AVAILABLE WITH ONE SIDE REMOVED.		
EXISTING COLUMNS & FIXINGS		
STEEL (SHS) 3.0mm THICK (min)	TIMBER	CONCRETE
9/14g TEK SCREWS	15/TYPE 17 #14 SCREWS, 35mm long.	3/M10-50 CONCRETE SCREWS (offset)

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

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ADJUSTABLE HOUSE STUMPS

PROJECT
RETROFIT JOINER

TITLE
Levelmaster Retrofit Joiner
& Capacity Table

DRAWING NUMBER
16-10897-S06A

REV
J