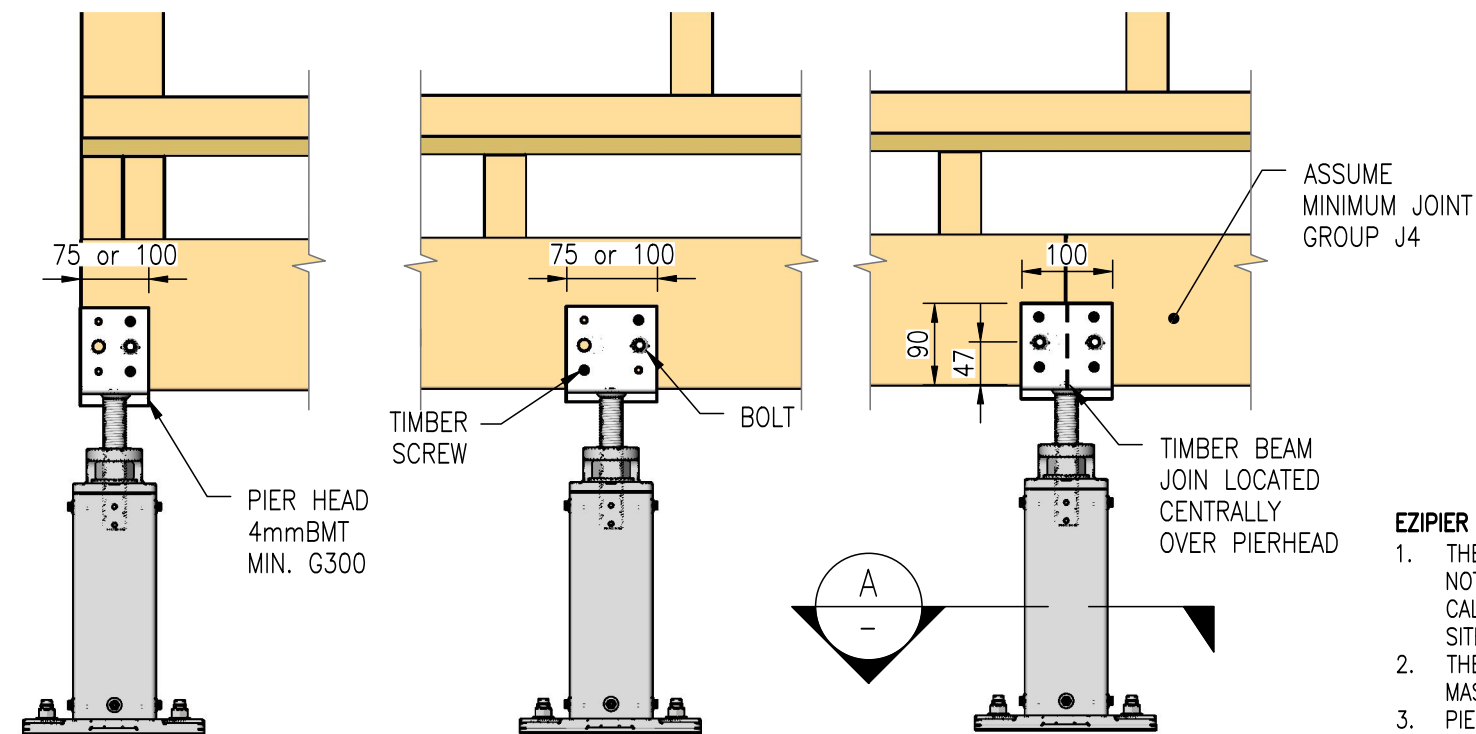


### NOMINAL PIERHEAD/BEARER CONNECTION

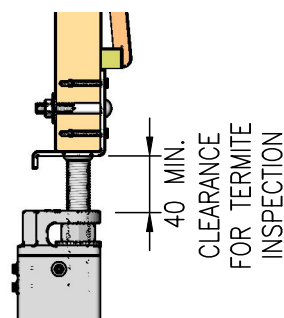
TIMBER MGP10 BEARERS USE 1/M10 G4.6 GALVANISED CUP HEAD BOLT PLUS 2/14g GALVANISED SCREWS 50 MIN. LENGTH EQUATES TO 13.7kN UPLIFT RESISTANCE. THIS ACTUAL LOAD MUST BE CALCULATED BY A COMPETANT PERSON TO SUIT THE ACTUAL SITE CONDITIONS.



END SPAN CONNECTION  
75 OR 100 LONG PIERHEAD

INTERNAL SPAN CONNECTION  
75 OR 100 LONG PIERHEAD

JOIN CONNECTION  
100 LONG PIERHEAD

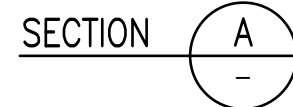


### TERMITE INSPECTION POINT AND PIERHEAD PREFERRED ORIENTATION

TERMITE INSPECTION SATISFIES NCC REQUIREMENTS BY PROVISION OF A CLEAR INSPECTION POINT.

SPANTEC  
2 HOLE OR  
4 HOLE  
BASE PLATE

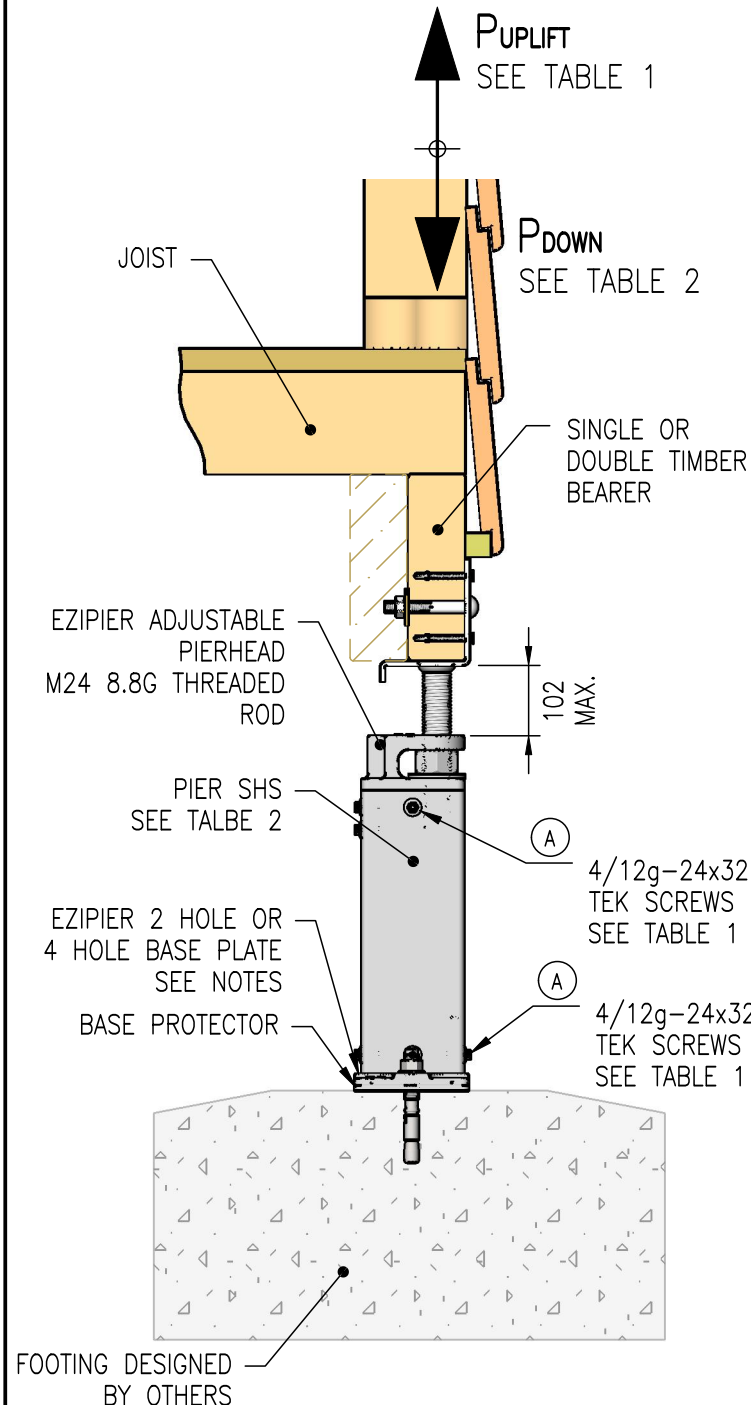
NOMINAL CONNECTION  
2/M12x100 LG GALV. WEDGE  
ANCHORS IN 110mm DEEP  
HOLE WITH 60mm MIN.  
EMBEDMENT (AFTER  
TIGHTENING) IN N25  
CONCRETE.



NOTE:  
BASE PLATE ORIENTATION  
IS PARALLEL TO BEARER.

### GENERAL NOTES:

- THIS DRAWING SHOWS A TIMBER FLOOR FRAME, IT IS ASSUMED THE FLOOR SUPPORTED BY THE PIERS IS FULLY BRACED AND THE LOADS SUPPORTED ARE DEAD LOADS, LIVE LOADS AND WIND UPLIFT ONLY.
- THIS PIERHEAD IS TO BE INSTALLED TO THE FLOOR BEAM MANUFACTURERS RECOMMENDED BEARING, BLOCKING AND BRACING SPECIFICATIONS.
- THE UPLIFT LOAD ON THE BEAM/PIERHEAD CONNECTION HAS NOT BEEN TAKEN INTO ACCOUNT AND THIS LOAD MUST BE CALCULATED BY A COMPETANT PERSON TO SUIT THE ACTUAL SITE CONDITIONS.
- THE PIER/FOOTING CONNECTION DETAIL IS VALID FOR SPANTEC PRODUCTS ONLY. IF OTHER PRODUCTS ARE USED THE LOAD CAPACITIES ARE NOT GUARANTEED. SEEK ADVICE FROM A COMPETANT PERSON FOR YOUR SPECIFIC ARRANGEMENT AND LOADING.
- THE ADJUSTABLE HEAD AND BASE PLATE ARE MADE FROM DUCTILE CAST IRON WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 400MPa CONFORMING TO AS1831-2007 (ISO1083) AND HOT DIPPED GALVANISED TO 450gsm (GRAMS PER SQUARE METER).
- FOR PROTECTIVE COATING SYSTEMS REFER TO: NCC VOLUME 2, NASH STANDARD RESIDENTIAL AND LOW-RISE STEEL FRAMING PART 2: DESIGN SOLUTIONS, AS/NZS 4680 HOT-DIP ZINC COATINGS ON FABRICATED FERROUS ARTICLES, AS/NZS 4792 HOLLOW SECTIONS PRODUCED BY WELDING PRE-GALVANIZED STEEL STRIP.
- BASE PLATE MUST BE SELECTED TO SUIT THE APPLIED LOADS, SEE DRAWING P14 FOR THE 2 AND 4 HOLE BASE PLATE CAPACITIES OR VISIT OUR WEBSITE [www.spantec.com.au](http://www.spantec.com.au)



EZIPIER END ELEVATION

TEK "A" QTY	MAX. UP LOAD (kN)
4	17.3
6	26.0

### EZIPIER UPLIFT CAPACITY NOTES

- THE UPLIFT LOAD ON THE BEAM/PIERHEAD CONNECTION HAS NOT BEEN TAKEN INTO ACCOUNT AND THIS LOAD MUST BE CALCULATED BY A COMPETANT PERSON TO SUIT THE ACTUAL SITE CONDITIONS.
- THE ULTIMATE UPLIFT LOAD CAPACITY FOR THE TWO MASONRY ANCHORS AS SPECIFIED BELOW IS 26.4kN.
- PIER SHS MIN. STEEL GRADE 350 MPa TO AS1163.
- THE CAPACITIES IN THE TABLES ARE CALCULATED USING AUSTRALIAN LOADING CODE AS1170 AND AS4600.

PIER HEAD	PIER SHS SIZE (mm)	MAX. DOWN LOAD (kN)
75LPH	75x75x2.0	45.0
90LPH	90x90x2.0	55.0
89LPH	89x89x3.5	110.0

### EZIPIER DOWNWARD CAPACITY NOTES

- THE CAPACITY OF PIERHEAD IS BASED ON THE STRENGTH OF THE WHOLE PIER ASSEMBLY AND IT IS ASSUMED THE PIER IS CENTRICALLY LOADED, IF THE PIER IS ESSENTRICALLY LOADED THEN REDUCE THE VALUES IN THE TABLE ABOVE BY 25%.
- THE ULTIMATE DOWNWARD LOAD CAPACITY OF THE PIER IS BASED ON A MAXIMUM FFL 2700 (FINISHED FLOOR LEVEL), FOR FLOOR HEIGHTS ABOVE 2700 THE PIER CAPACITY MUST BE CHECKED BY A COMPETANT PERSON.

STRUCTURAL DESIGN CERTIFICATION



ACN 639-248-114

REF. # 3333

DATE 19/08/2022

SIGNATURE

HA NGUYEN  
BE(Hons) PhD MIEAust CPEng NER 4188792  
PE0001349 (VIC), RPEQ24385 (QLD), TAS 727649808

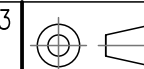
**SPANTEC™** 17 Drapers Road, Braemar, NSW, 2575  
PO Box 81, Mittagong, NSW, 2575, Australia  
Phone: 02 4860 1000 Fax: 02 4872 1616  
SPANTEC SYSTEMS Pty Ltd ABN 56 053 584 384 [www.spantec.com.au](http://www.spantec.com.au)

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REV.	DESCRIPTION	DRN.	DATE
F	PIER HEAD CONNECTION CALCULATION BY OTHERS	M.R.	19/6/22

DESCRIPTION  
EZIPIER ADJUSTABLE "L" PIERHEAD ASSEMBLY  
TIMBER CONNECTION DETAILS

DRAWING NUMBER:	REVISION
P06	F
SCALE @ A3 0.5	DATE DRAWN 5/08/19



DRAWN  
AP