

TABLE 1: EZIPIER UPLIFT CAPACITY P_{uplift}

LOCATION		A	B
WEB 0.8BMT LOAD (kN)	WEB 1.0BMT LOAD (kN)	FASTENER QTY	FASTENER QTY
18.0	18.0	12 x 14g TEKS	4 x 12g TEKS
24.9	27.0	12 x 14g TEKS	6 x 12g TEKS
24.9	34.8	12 x 14g TEKS	8 x 12g TEKS
35.8	44.6	12 x 14g TEKS + 1 x M10 BOLT	12 x 12g TEKS

BOXSPAN LEGEND:
 WEB 0.8BMT = B100-16, B150-16, B200-16
 WEB 1.0BMT = B150-20, B200-20, B250-20

GENERAL NOTES:

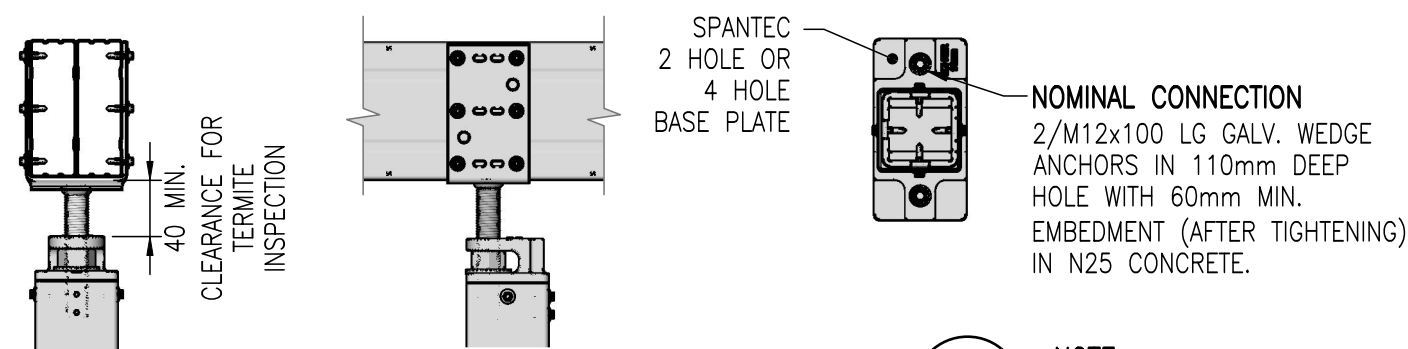
- THIS DRAWING SHOWS A BOXSPAN MONOPLANE FLOOR, IT IS ASSUMED THE FLOOR SUPPORTED BY THE PIERS IS FULLY BRACED AND THE LOADS SUPPORTED ARE DEAD LOADS, LIVE LOADS AND WIND UPLIFT ONLY.
- THE NOMINAL CONNECTION SHOWN IS THE MINIMUM CONNECTION THAT SHOULD BE USED. A COMPETANT PERSON SHOULD CHECK THE DESIGN FOR UPLIFT TO SUIT THE ACTUAL SITE CONDITIONS.
- 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

TABLE 2: EZIPIER DOWNWARD CAPACITY P_{down}
(MAX. FFL 2700mm)

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.
- THE ULTIMATE DOWNWARD LOAD CAPACITY OF THE PIER IS BASED ON A MAXIMUM FFL OF 2700 (FINISHED FLOOR LEVEL), FOR FLOOR HEIGHTS ABOVE 2700 THE PIER CAPACITY MUST BE CHECKED BY A COMPETANT PERSON.
- EZIPIER CAN BE SUPPLIED WITH A 2 OR 4 HOLE BASE PLATE.
- PIER SHS MIN. STEEL GRADE 350MPa TO AS1163.
- THE CAPACITIES IN THE TABLES ARE CALCULATED USING AUSTRALIAN LOADING CODE AS1170 AND AS4600.



TERMITE INSPECTION POINT AND PIERHEAD PREFERRED ORIENTATION
 TERMITE INSPECTION SATISFIES NCC REQUIREMENTS BY PROVISION OF A CLEAR INSPECTION POINT.

NOTE: BASE PLATE ORIENTATION IS PARALLEL TO BEARER.

STRUCTURAL DESIGN CERTIFICATION

HALINA ENGINEERS
ACN 639-248-114

REF. # 3333
DATE 14/12/2022

SIGNATURE *[Signature]*
HA NGUYEN
BE(Hons) PhD MIEAust CPEng NER 4188792
PE0001349 (VIC), RPEQ24385 (QLD), TAS 727649808

REV.	DESCRIPTION	DRN.	DATE
A	FIRST ISSUE	M.R.	9/12/22

DESCRIPTION
EZIPIER ADJUSTABLE "U" DOUBLE STEEL PIERHEAD ASSEMBLY
BOXSPAN CONNECTION DETAILS

DRAWING NUMBER:	REVISION
P04-04	A
SCALE @ A3 NTS	DATE DRAWN 9/12/22