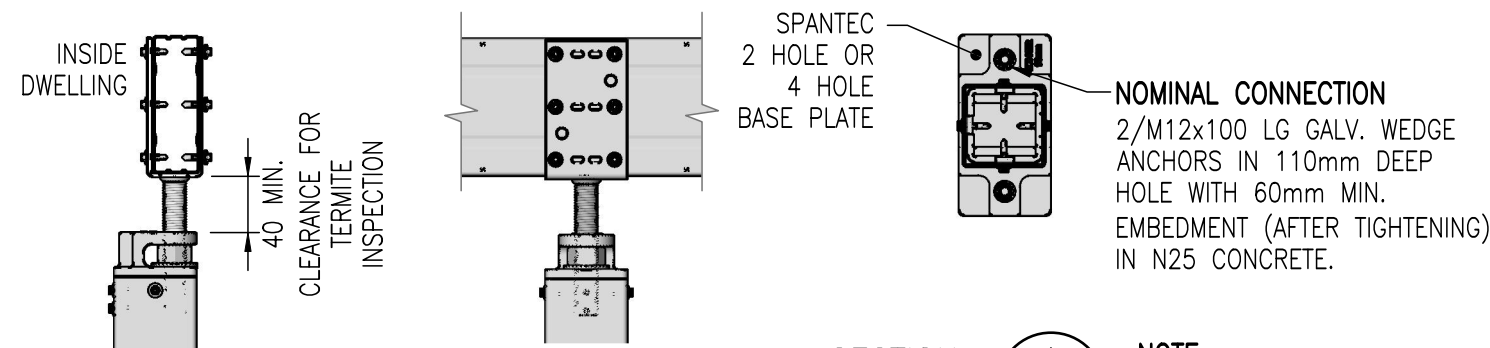


TABLE 1: EZIPIER UPLIFT CAPACITY P_{uplift}

| 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



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

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.

STRUCTURAL DESIGN CERTIFICATION

HALINA ENGINEERS
ACN 639-248-114

REF. # 3333
DATE 25/11/2022

SIGNATURE

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

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| REV. | DESCRIPTION | DRN. | DATE |
|------|-----------------------------|------|----------|
| E | CERTIFICATION STAMP CHANGED | M.R. | 23/08/22 |

DESCRIPTION
 EZIPIER ADJUSTABLE "U" PIERHEAD ASSEMBLY
 BOXSPAN CONNECTION DETAILS

| | |
|----------------------------------|------------------------|
| DRAWING NUMBER: P04-01 | REVISION E |
| SCALE @ A3 NTS | DATE DRAWN 15/11/20 |
| DRAWN AP | |