

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:

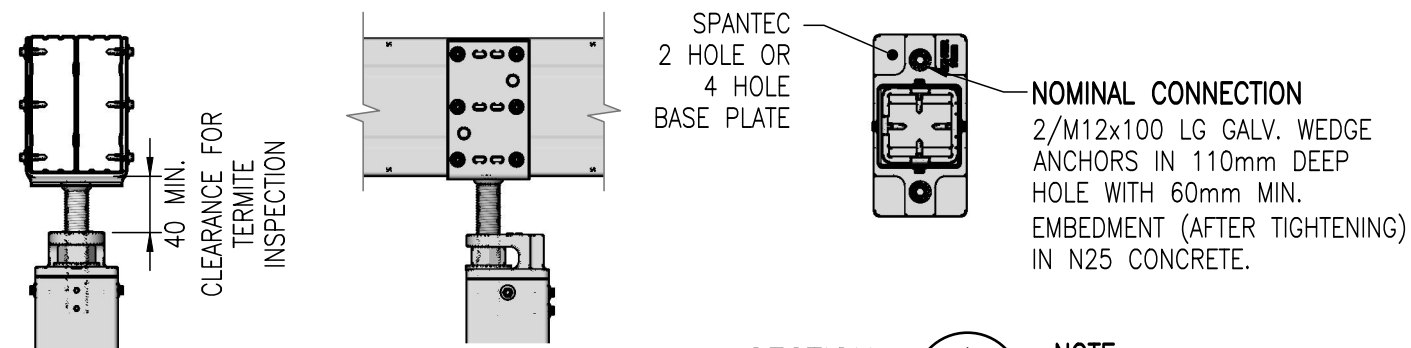
- THIS DRAWING SHOWS A BOXSPAN MONOPLANE FLOOR, IT IS ASSUMED THE FLOOR SUPPORTED BY THE PIERS IS FULLY BRACED AND THE LOADS SUPPORTED ARE DEAD LOADS, LIVE LOADS AND WIND UPLIFT ONLY.
- THE NOMINAL CONNECTION SHOWN IS THE MINIMUM CONNECTION THAT SHOULD BE USED. A COMPETANT PERSON SHOULD CHECK THE DESIGN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

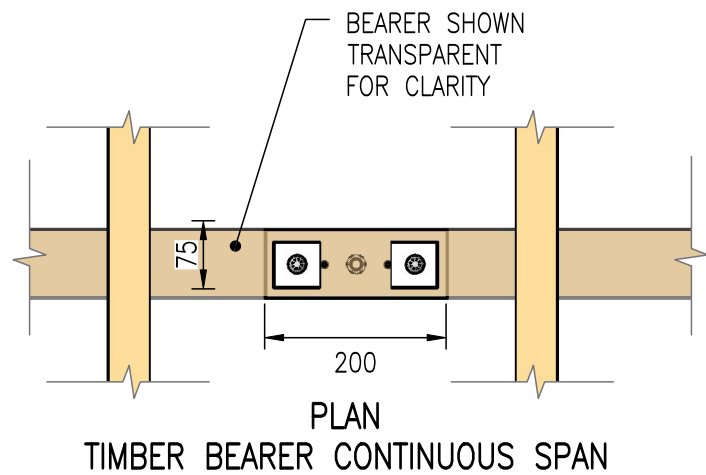
REF. # 3333
DATE 14/12/2022

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
DRAWN MR	



GENERAL NOTES:

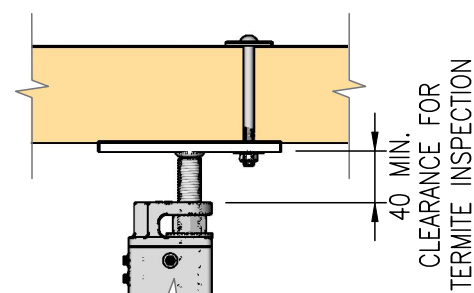
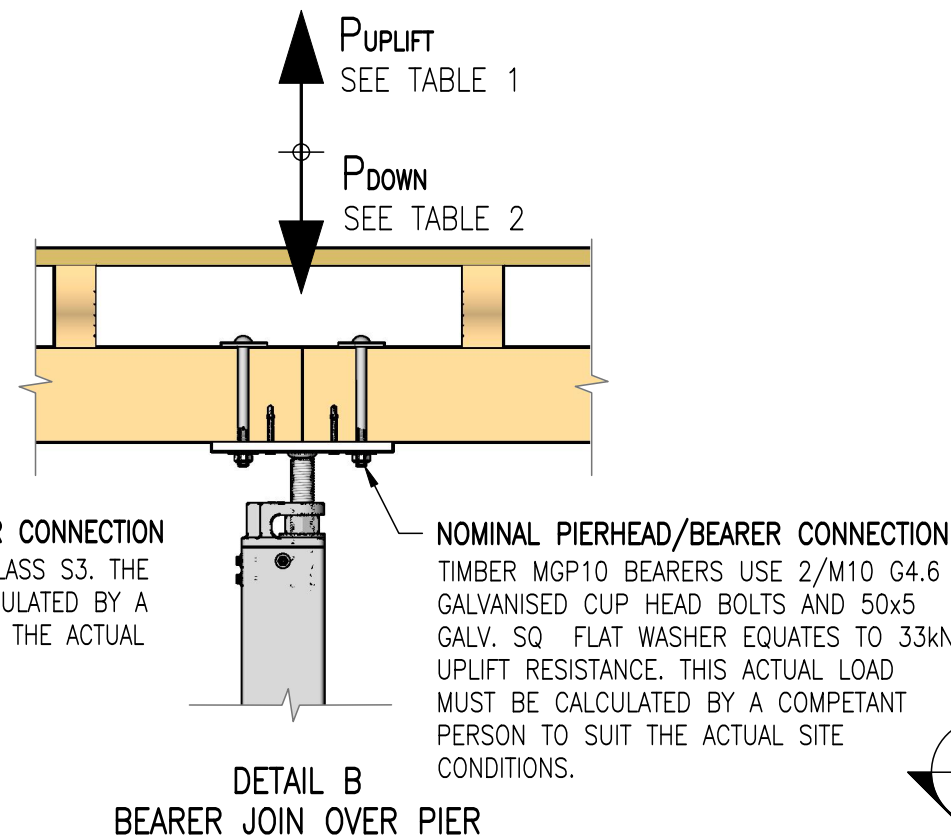
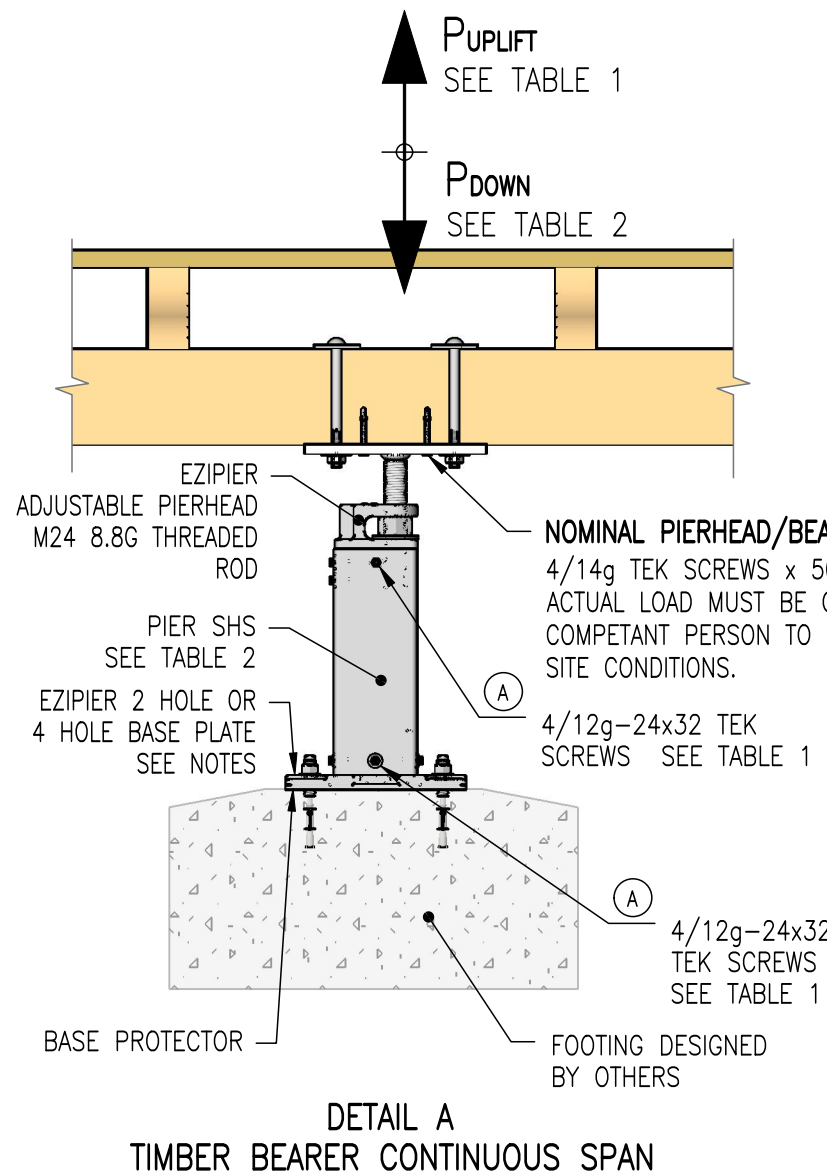
1. THIS DRAWING SHOWS A TIMBER FLOOR FRAME, IT IS ASSUMED THE FLOOR SUPPORTED BY THE PIERS IS FULLY BRACED AND THE LOADS SUPPORTED ARE DEAD LOADS, LIVE LOADS AND WIND UPLIFT ONLY.
2. THIS PIERHEAD IS TO BE INSTALLED TO THE FLOOR BEAM MANUFACTURERS RECOMMENDED BEARING, BLOCKING AND BRACING SPECIFICATIONS.
3. 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.
4. 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.
5. THE PIERHEAD IS CAPABLE OF TRANSMITTING 18 kN OF HORIZONTAL WIND FORCE INTO THE SUBFLOOR BRACING.
6. 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).
7. 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.
8. 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 1: EZIPIER UPLIFT CAPACITY P_{uplift}

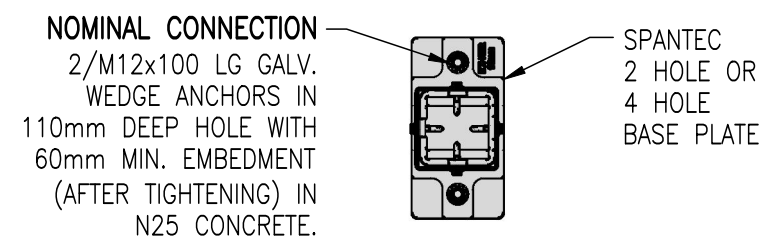
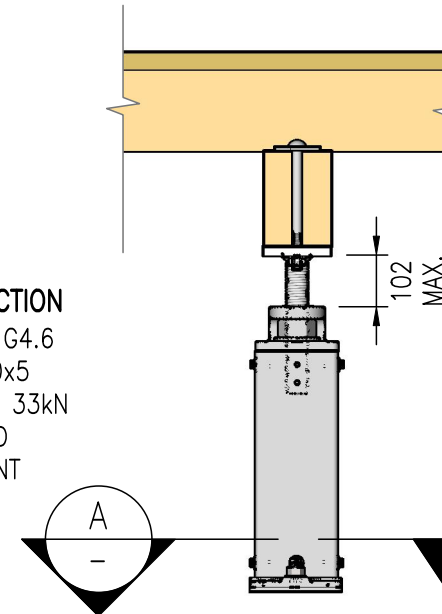
TEK "A" QTY	MAX. UP LOAD (kN)
4	17.3
6	26.0
8	34.6

EZIPIER UPLIFT CAPACITY NOTES

1. 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.
2. THE ULTIMATE UPLIFT LOAD CAPACITY FOR THE TWO MASONRY ANCHORS AS SPECIFIED BELOW IS 26.4kN.
3. PIER SHS MIN. STEEL GRADE 350 MPa TO AS1163.
4. 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.

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

1. 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 ESSENICALLY LOADED THEN REDUCE THE VALUES IN THE TABLE ABOVE BY 25%.
2. 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

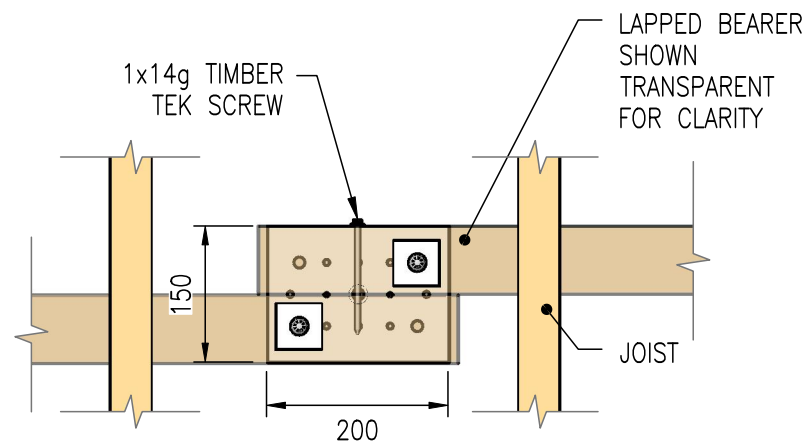
REF. # 3333
DATE 23/08/2022

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

REV.	DESCRIPTION	DRN.	DATE
E	CERTIFICATION STAMP CHANGED	M.R.	19/6/22

DESCRIPTION
EZIPIER ADJUSTABLE "T" PIERHEAD ASSEMBLY TIMBER CONNECTION DETAILS SIZE 75 x 200

DRAWING NUMBER:	REVISION
P10	E
SCALE @ A3 0.5	DATE DRAWN 5/08/19



PLAN
CONTINUOUS LAPPED BEARERS

GENERAL NOTES:

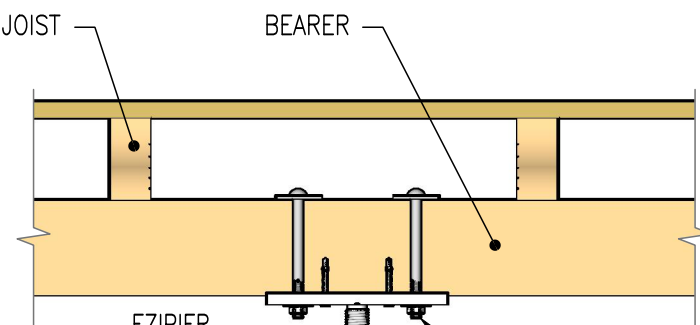
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2. THIS PIERHEAD IS TO BE INSTALLED TO THE FLOOR BEAM MANUFACTURERS RECOMMENDED BEARING, BLOCKING AND BRACING SPECIFICATIONS.
3. THE UPLIFT LOAD ON THE BEAM/PIERHEAD CONNECTION HAS NOT BEEN TAKEN INTO ACCOUNT AND THIS LOAD MUST BE CALCULATED BY A COMPETANT PERSON TO SUIT THE ACTUAL SITE CONDITIONS.
4. 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.
5. THE PIERHEAD IS CAPABLE OF TRANSMITTING 18 kN OF HORIZONTAL WIND FORCE INTO THE SUBFLOOR BRACING.
6. 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.
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TABLE 1: EZIPIER UPLIFT CAPACITY P_{uplift}

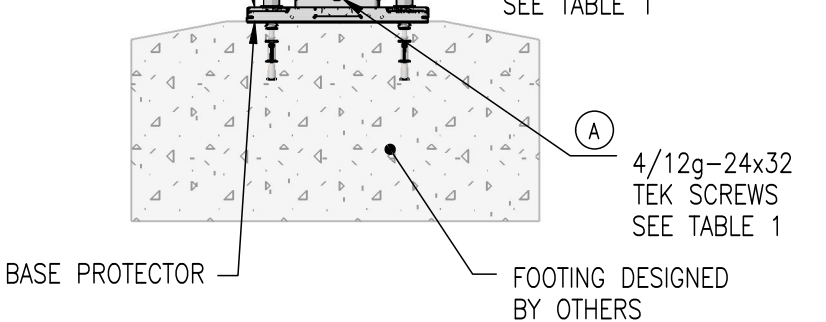
TEK "A" QTY	MAX. UP LOAD (kN)
4	17.3
6	26.0
8	34.6

EZIPIER UPLIFT CAPACITY NOTES

1. 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.
2. THE ULTIMATE UPLIFT LOAD CAPACITY FOR THE TWO MASONRY ANCHORS AS SPECIFIED BELOW IS 26.4kN.
3. PIER SHS MIN. STEEL GRADE 350 MPa TO AS1163.
4. THE CAPACITIES IN THE TABLES ARE CALCULATED USING AUSTRALIAN LOADING CODE AS1170 AND AS4600.



- NOMINAL PIERHEAD/BEARER CONNECTION**
TIMBER MGP10 BEARERS USE 2/M10 G4.6 GALVANISED CUP HEAD BOLTS AND 50x5 GALV. SQ FLAT WASHER EQUATES TO 33kN UPLIFT RESISTANCE. OR 4/14g TEK SCREWS x 50 CLASS S3 (CAN BE USED IF NO UPLIFT). THIS ACTUAL LOAD MUST BE CALCULATED BY A COMPETANT PERSON TO SUIT THE ACTUAL SITE CONDITIONS.
- EZIPIER ADJUSTABLE PIERHEAD
 - M24 8.8G THREADED ROD
 - PIER SHS SEE TABLE 2
 - EZIPIER 2 HOLE OR 4 HOLE BASE PLATE SEE NOTES
 - 4/12g-24x32 TEK SCREWS SEE TABLE 1



DETAIL A
TIMBER BEARER LAPPED JOIN

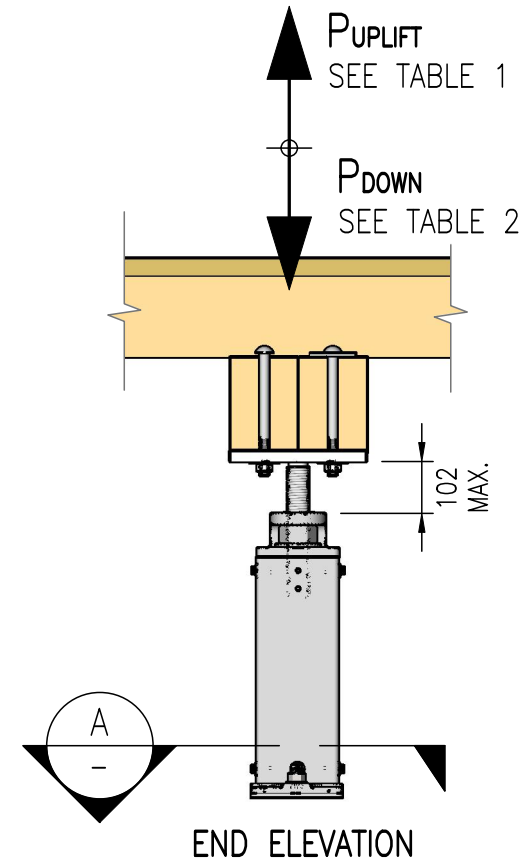


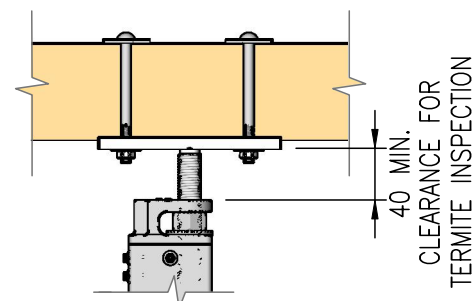
TABLE 2: EZIPIER DOWNWARD CAPACITY P_{down}

(MAX. FFL 2700mm)

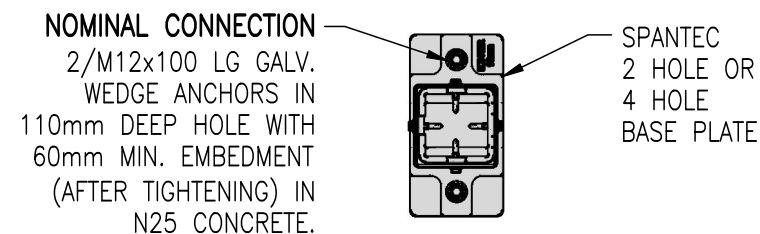
PIER HEAD	PIER SHS SIZE (mm)	MAX. DOWN LOAD (kN)
75LPH	75x75x2.0	45.0
90LPH	90x90x2.0	55.0
89LPH	89x89x3.5	110.0

EZIPIER DOWNWARD CAPACITY NOTES

1. 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 ESSENICALLY LOADED THEN REDUCE THE VALUES IN THE TABLE ABOVE BY 25%.
2. 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.



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



SECTION A

REV.	DESCRIPTION	DRN.	DATE
E	CERTIFICATION STAMP CHANGED	M.R.	19/6/22

DESCRIPTION
EZIPIER ADJUSTABLE "T" PIERHEAD ASSEMBLY
TIMBER CONNECTION DETAILS
SIZE 150 x 200

DRAWING NUMBER:	REVISION
P11	E
SCALE @ A3 0.5	DATE DRAWN 5/08/19

STRUCTURAL DESIGN CERTIFICATION

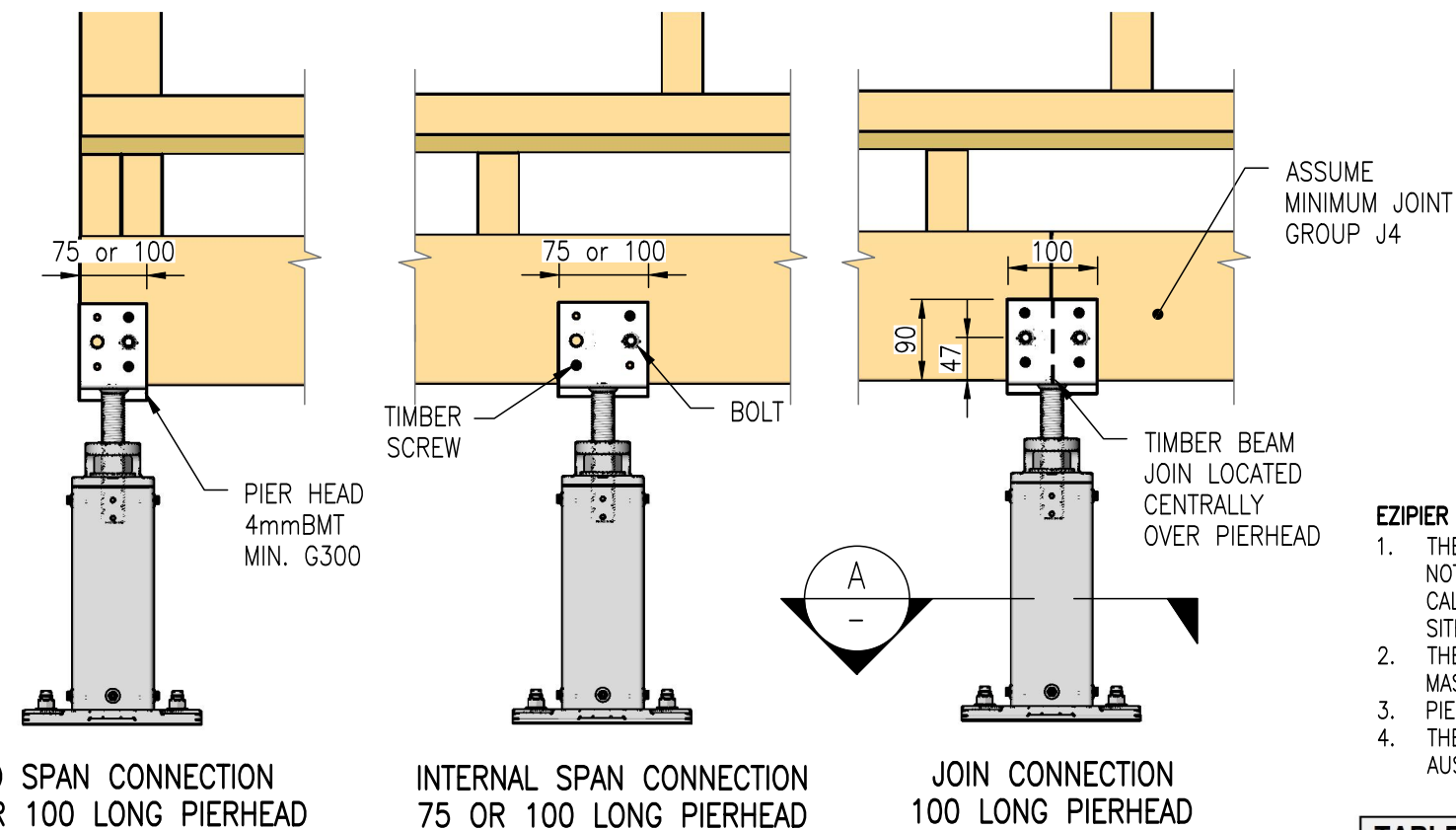
HALINA ENGINEERS
ACN 639-248-114

REF. # 3333
DATE 23/08/2022

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

NOMINAL PIERHEAD/BEARER CONNECTION

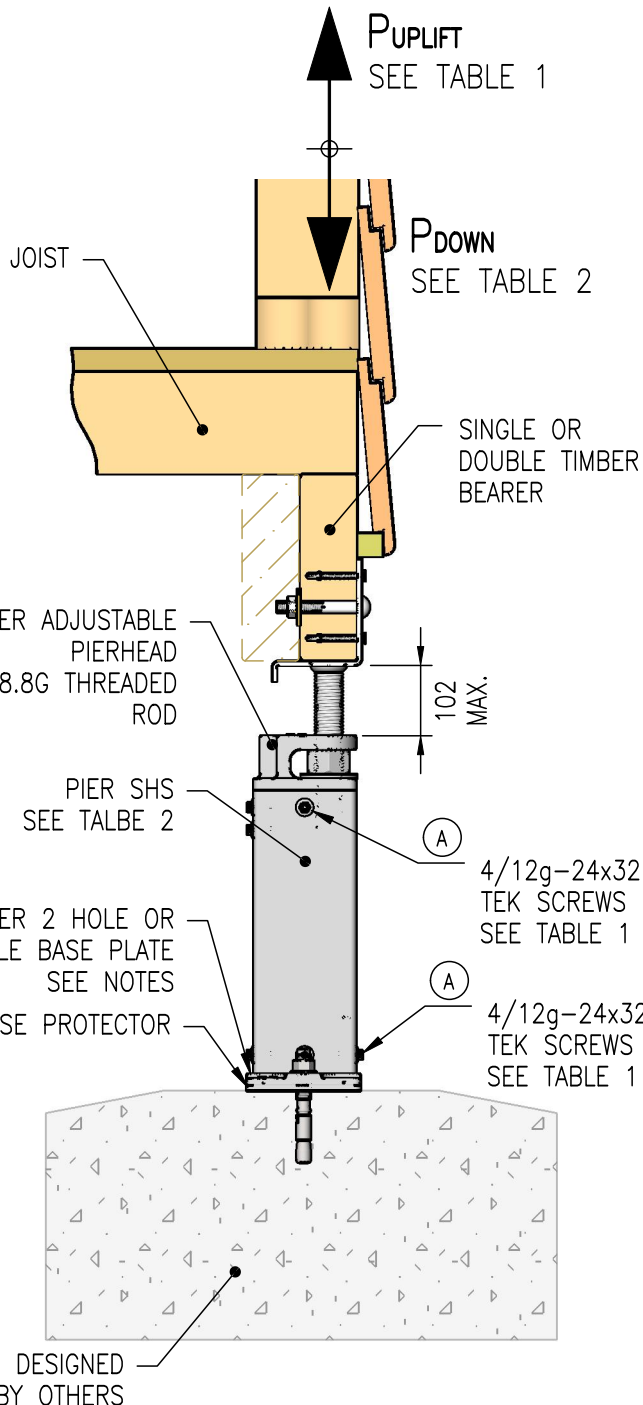
TIMBER MGP10 BEARERS USE 1/M10 G4.6 GALVANISED CUP HEAD BOLT PLUS 2/14g GALVANISED SCREWS 50 MIN. LENGTH EQUATES TO 13.7kN UPLIFT RESISTANCE. THIS ACTUAL LOAD MUST BE CALCULATED BY A COMPETANT PERSON TO SUIT THE ACTUAL SITE CONDITIONS.



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

EZIPIER UPLIFT CAPACITY NOTES

1. 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.
2. THE ULTIMATE UPLIFT LOAD CAPACITY FOR THE TWO MASONRY ANCHORS AS SPECIFIED BELOW IS 26.4kN.
3. PIER SHS MIN. STEEL GRADE 350 MPa TO AS1163.
4. THE CAPACITIES IN THE TABLES ARE CALCULATED USING AUSTRALIAN LOADING CODE AS1170 AND AS4600.

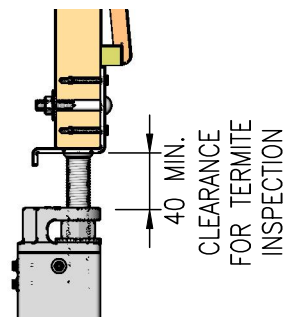


EZIPIER END ELEVATION

END SPAN CONNECTION
75 OR 100 LONG PIERHEAD

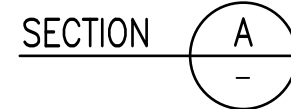
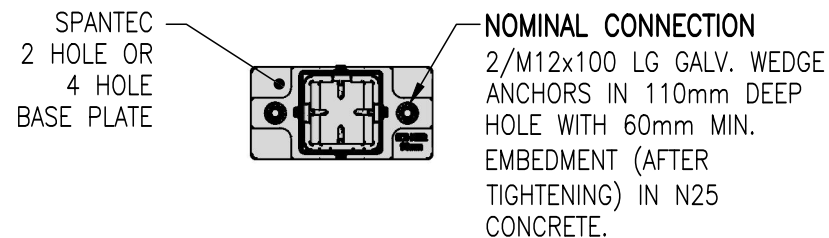
INTERNAL SPAN CONNECTION
75 OR 100 LONG PIERHEAD

JOIN CONNECTION
100 LONG PIERHEAD



TERMITE INSPECTION POINT AND PIERHEAD PREFERRED ORIENTATION

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



NOTE: BASE PLATE ORIENTATION IS PARALLEL TO BEARER.

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

1. 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%.
2. 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.

GENERAL NOTES:

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STRUCTURAL DESIGN CERTIFICATION

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ACN 639-248-114

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DATE 19/08/2022

SIGNATURE

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

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

TEK "A" QTY	TEK "B" QTY	WEB 0.8MT LOAD (kN)	WEB 1.0MT LOAD (kN)
6	4	12.7	17.7

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

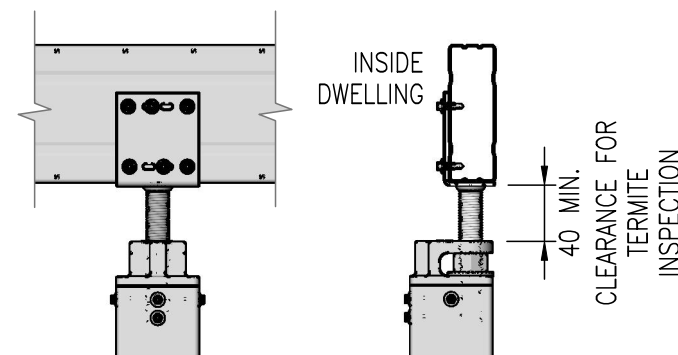
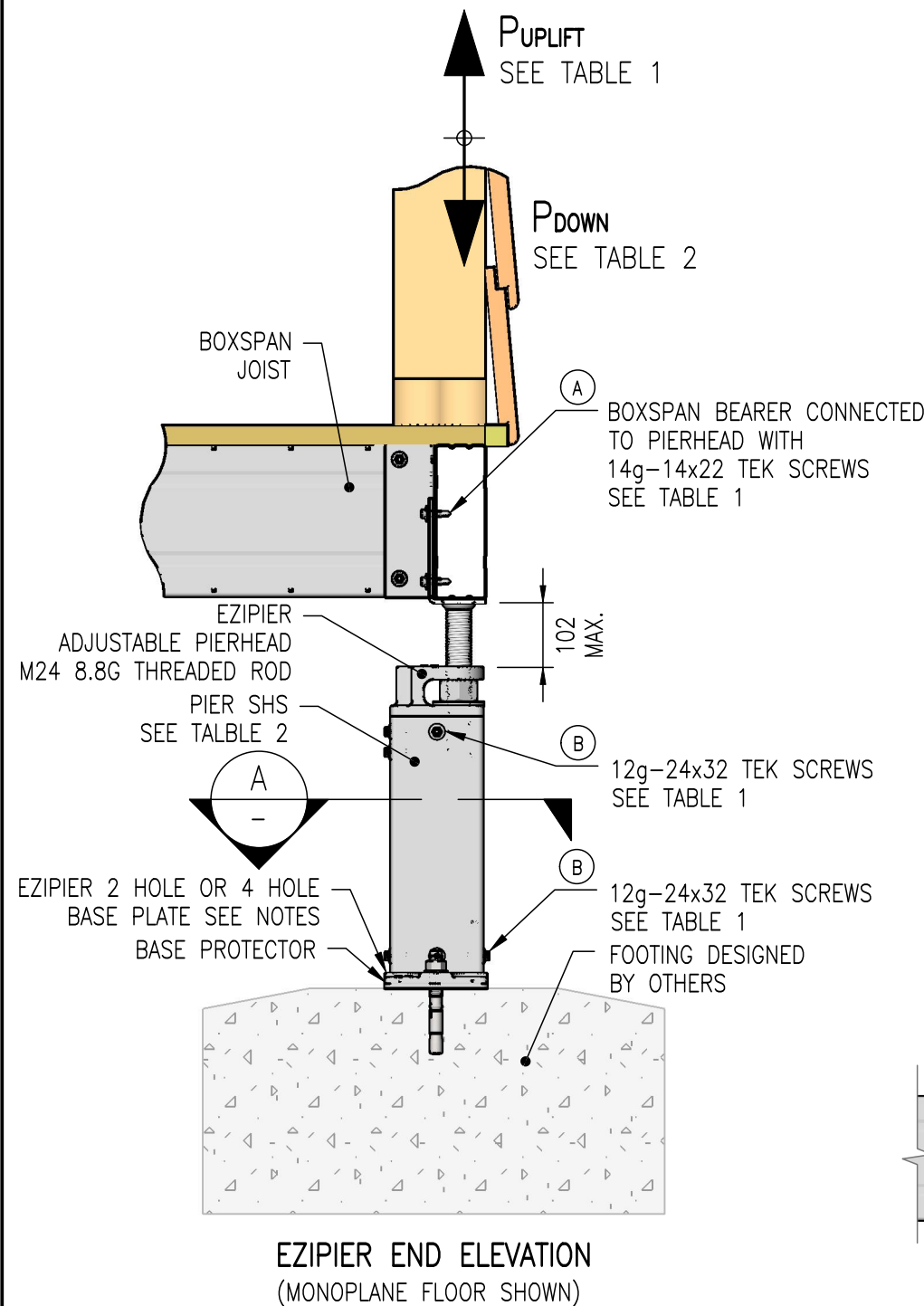
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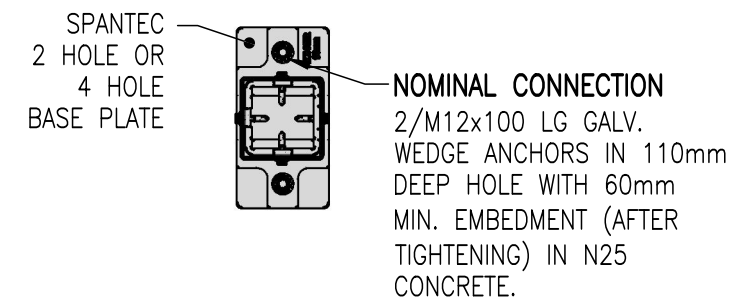
PIER HEAD	PIER SHS SIZE (mm)	MAX. DOWN LOAD (kN)
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90LPH	90x90x2.0	55.0
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EZIPIER DOWNWARD CAPACITY NOTES

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- PIER SHS MIN. STEEL GRADE 350MPa TO AS1163.
- THE CAPACITIES IN THE TABLES ARE CALCULATED USING AUSTRALIAN LOADING CODE AS1170 AND AS4600. IF A HIGHER CAPACITY IS NEEDED USE A "U" PIER HEAD.



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



SECTION A
 NOTE: BASE PLATE ORIENTATION IS PARALLEL TO BEARER.

STRUCTURAL DESIGN CERTIFICATION

HALINA ENGINEERS
 ACN 639-248-114

REF. # 3333
 DATE 23/08/2022

SIGNATURE *[Signature]*
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REV.	DESCRIPTION	DRN.	DATE
E	CERTIFICATION STAMP CHANGED	M.R.	23/08/22

DESCRIPTION
EZIPIER ADJUSTABLE "L" PIERHEAD ASSEMBLY BOXSPAN CONNECTION DETAILS

DRAWING NUMBER:	REVISION
P04-03	E
SCALE @ A3 NTS	DATE DRAWN 15/11/20

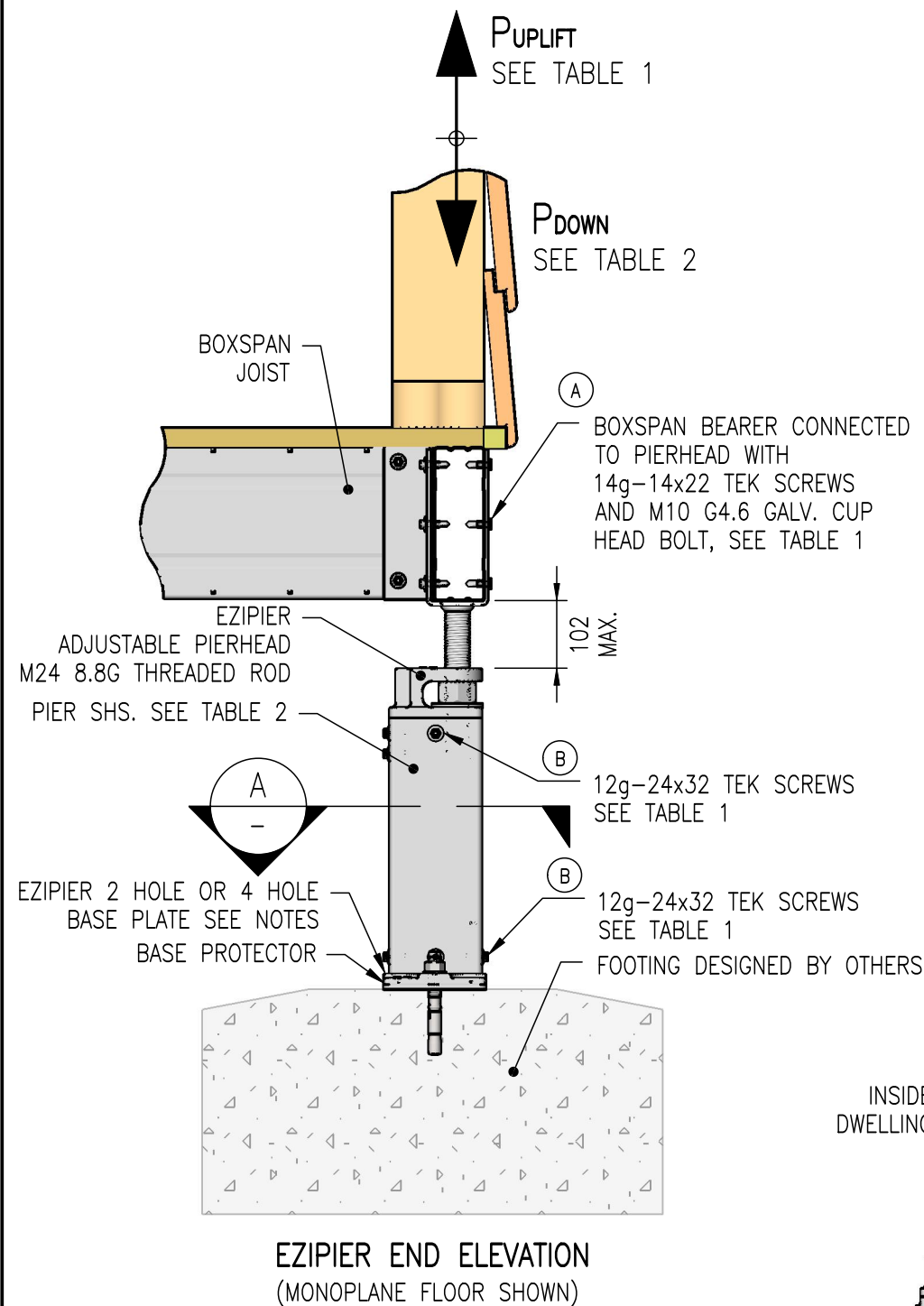
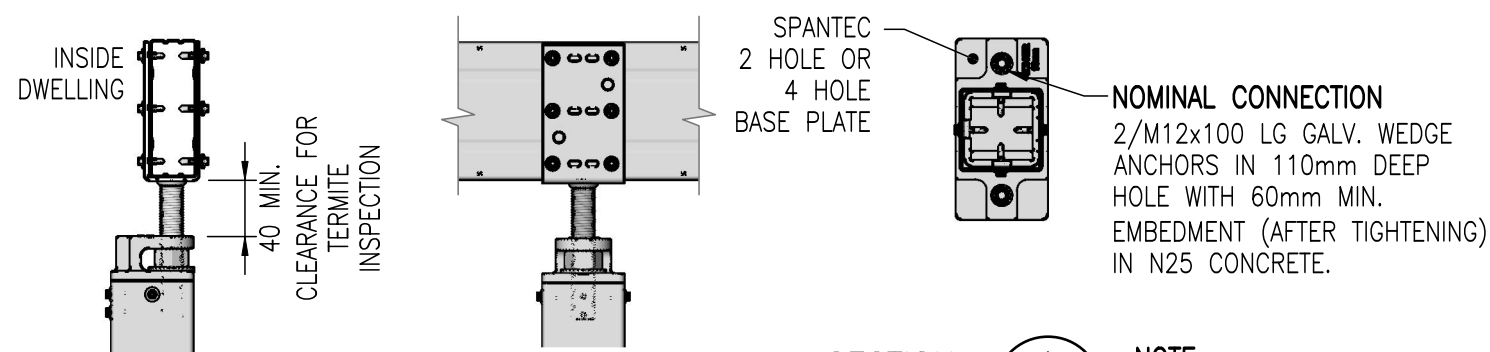


TABLE 1: EZIPIER UPLIFT CAPACITY P_{uplift}

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.

NOTE:
 BASE PLATE ORIENTATION IS PARALLEL TO BEARER.

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

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DESCRIPTION
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 BOXSPAN CONNECTION DETAILS

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P04-01	E
SCALE @ A3 NTS	DATE DRAWN 15/11/20