

| Ezipier Height | S Ezipier Spacing - m | | | | | | | | | | |
|-------------------|---|----------|----------|----------|------|------|------|------|------|------|--|
| H - m | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.6 | 3.9 | 4.2 | |
| 0.6 | 15.6 | 15.9 | 16.1 | 16.3 | 16.4 | 16.4 | 16.5 | 16.5 | 16.6 | 16.6 | |
| 0.9 | 14.4 | 15.0 | 15.4 | 15.7 | 15.9 | 16.1 | 16.2 | 16.3 | 16.3 | 16.4 | |
| 1.2 | 13.1 | 14.0 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 | 15.9 | 16.0 | 16.1 | |
| 1.5 | 11.9 | 12.9 | 13.6 | 14.2 | 14.7 | 15.0 | 15.3 | 15.5 | 15.7 | 15.8 | |
| 1.8 | 10.7 | 11.9 | 12.7 | 13.4 | 14.0 | 14.4 | 14.7 | 15.0 | 15.2 | 15.4 | |
| 2.1 | | 10.9 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.5 | 14.8 | 15.0 | |
| 2.4 | | | 11.0 | 11.9 | 12.5 | 13.1 | 13.6 | 14.0 | 14.3 | 14.6 | |
| 2.7 | 11.1 11.9 | | | | 12.5 | 13.0 | 13.4 | 13.8 | 14.1 | | |
| 3.0 | 11.2 | | | | | 11.9 | 12.4 | 12.9 | 13.3 | 13.6 | |
| 3.3 | See D | ouble X | Brace Bi | R09-07 v | 11.3 | 11.9 | 12.4 | 12.8 | 13.2 | | |
| 3.6 | using | a U Pier | Head & | BR09-04 | 10.7 | 11.3 | 11.9 | 12.3 | 12.7 | | |
| 3.9 | when using a L Pier Head for heights 10.8 | | | | | | | 11.4 | 11.9 | 12.3 | |
| 4.2 | within this area | | | | | | | 10.9 | 11.4 | 11.9 | |

| D | CERTIFICATION STAMP CHANGED | MR | 18/11/22 |
|------|-------------------------------|------|----------|
| С | PROTECTIVE COATING NOTE ADDED | MR | 11/05/22 |
| REV. | DESCRIPTION | DRN. | DATE |

- EARTHQUAKE LOADS REQUIRE SPECIFIC DESIGNS.
- THE EZIBRACE IS SELECTED BASED ON THE ULTIMATE DESIGN LOADS CARRIED TO THE FOOTINGS. THE LOADS IN THE TABLE ARE BASED ON THE STRENGTH OF THE EZIBRACE. THE ULTIMATE TENSION FORCE FOR EZIBRACE IS 18.5kN. THE EZIBRACE IS A SQ STEEL TUBE 30x1.6SHS TO AS1163 -C350L0.
- BASE PLATES ARE CONNECTED TO THE FOOTING BY 2/M12x100 GALV. WEDGE ANCHORS, HOLE 110 DEEP MIN 65mm EFFECTIVE EMBEDMENT INTO N25 CONCRETE.
- 5. ULTIMATE MOMENT FOR BASE PLATES: THE BASE PLATE IS SUFFICIENTLY STRONG SO IT IS NOT THE GOVERNING LIMIT. THE BASE PLATE CONNECTION CAN CARRY THE MOMENTS TRANSFERRED BY THE BRACING INTO THE CONCRETE FOOTING. THE FOOTING SHOULD BE DESIGNED BY AN ENGINEER BASED ON THE LOADS AND SOIL TYPE.
- THE EZIPIER CAN BE 90x2SHS OR 89x3.5SHS TO AS1163 C350LO. THE PIER SHOULD BE CHECKED FOR STRENGTH BY AN ENGINEER.
- 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.
- BOXSPAN BEARER CAN BE B150, B200, OR B250.
- SEE DRAWING P04-01 FOR THE EZIPIER WITH 'U' SHAPED PIER HEAD. SEE DRAWING P14 FOR THE 2 AND 4 HOLE BASE PLATE STRENGTH.

NTS



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DESCRIPTION EZIBRACE SUBFLOOR BRACING SYSTEM CONNECTION TO U SHAPE EZIPIERS WITH BOXSPAN FLOOR & 2 HOLE BASE PLATE (1XU-2)

DRAWING NO. BR09-01

SCALE @ A3

DRAWN MR

DATE DRAWN 13/09/21

REVISION