

## ALU PROP With 1m Extension

| BACKPROPPING WLL                          |           |           |           |           |
|---|-----------|-----------|-----------|-----------|
| Prop Type                                 | ALU 3500  | Alu 4200  | ALU 4800  | ALU 6250  |
| Prop Extents (mm)                         | 1950/3500 | 2650/4200 | 2750/4800 | 2600/4800 |
| Extension (mm) + 1000(mm) Extension Piece | (kN)      | (kN)      | (kN)      | (kN)      |
| 2050 +1000                                | 177.0     |           |           |           |
| 2100 + 1000                               | 171.8     |           |           |           |
| 2200 + 1000                               | 161.7     |           |           |           |
| 2300 + 1000                               | 151.4     |           |           |           |
| 2400 + 1000                               | 145.3     |           |           |           |
| 2500 + 1000                               | 137.1     |           |           |           |
| 2600 + 1000                               | 142.3     |           |           |           |
| 2650 + 1000                               | 136.8     | 136.8     |           |           |
| 2700 + 1000                               | 136.8     | 136.8     | 136.8     |           |
| 2800 + 1000                               | 130.7     | 130.7     | 130.7     |           |
| 2900 + 1000                               | 125.8     | 125.8     | 125.8     |           |
| 3000 + 1000                               | 120.9     | 120.9     | 120.9     |           |
| 3100 + 1000                               | 116.0     | 116.0     | 116.0     |           |
| 3200 + 1000                               | 112.5     | 112.5     | 112.5     |           |
| 3300 + 1000                               | 108.8     | 108.8     | 108.8     |           |
| 3400 + 1000                               | 105.0     | 105.0     | 105.0     |           |
| 3500 + 1000                               | 101.3     | 101.3     | 101.3     |           |
| 3600 + 1000                               | 98.8      | 98.8      | 98.8      |           |
| 3700 + 1000                               |           | 97.8      | 97.8      |           |
| 3800 + 1000                               |           | 93.8      | 93.8      |           |
| 3900 + 1000                               |           | 88.8      | 88.8      |           |
| 4000 + 1000                               |           | 85.0      | 85.0      |           |
| 4100 + 1000                               |           | 82.5      | 82.5      |           |
| 4200 + 1000                               |           | 80.0      | 80.0      |           |
| 4300 + 1000                               |           |           | 77.5      |           |
| 4400 + 1000                               |           |           | 75.0      |           |
| 4500 + 1000                               |           |           | 73.8      |           |
| 4600 + 1000                               |           |           | 71.3      |           |
| 4700 + 1000                               |           |           | 70.0      |           |
| 4800 + 1000                               |           |           | 66.3      |           |
| 4900 + 1000                               |           |           |           | 104.2     |
| 5000 + 1000                               |           |           |           | 101.3     |
| 5100 + 1000                               |           |           |           | 96.5      |
| 5200 + 1000                               |           |           |           | 83.7      |
| 5300 + 1000                               |           |           |           | 82.0      |
| 5400 + 1000                               |           |           |           | 80.3      |
| 5500 + 1000                               |           |           |           | 78.6      |
| 5600 + 1000                               |           |           |           | 75.2      |
| 5700 + 1000                               |           |           |           | 73.4      |
| 5800 + 1000                               |           |           |           | 71.8      |
| 5900 + 1000                               |           |           |           | 70.0      |
| 6000 + 1000                               |           |           |           | 66.6      |
| 6100 + 1000                               |           |           |           | 64.9      |
| 6200 + 1000                               |           |           |           | 63.2      |
| 6300 + 1000                               |           |           |           | 61.5      |

| FORMWORK WLL                              |           |           |           |           |
|---|-----------|-----------|-----------|-----------|
| Prop Type                                 | ALU 3500  | Alu 4200  | ALU 4800  | ALU 6250  |
| Prop Extents (mm)                         | 1950/3500 | 2650/4200 | 2750/4800 | 2600/4800 |
| Extension (mm) + 1000(mm) Extension Piece | (kN)      | (kN)      | (kN)      | (kN)      |
| 2050 +1000                                | 113.3     |           |           |           |
| 2100 + 1000                               | 110.0     |           |           |           |
| 2200 + 1000                               | 103.4     |           |           |           |
| 2300 + 1000                               | 96.9      |           |           |           |
| 2400 + 1000                               | 93.0      |           |           |           |
| 2500 + 1000                               | 87.8      |           |           |           |
| 2600 + 1000                               | 81.1      |           |           |           |
| 2650 + 1000                               | 78.0      | 78.0      |           |           |
| 2700 + 1000                               | 78.0      | 78.0      | 78.0      |           |
| 2800 + 1000                               | 74.5      | 74.5      | 74.5      |           |
| 2900 + 1000                               | 71.7      | 71.7      | 71.7      |           |
| 3000 + 1000                               | 68.9      | 68.9      | 68.9      |           |
| 3100 + 1000                               | 66.2      | 66.2      | 66.2      |           |
| 3200 + 1000                               | 64.2      | 64.2      | 64.2      |           |
| 3300 + 1000                               | 62.0      | 62.0      | 62.0      |           |
| 3400 + 1000                               | 59.8      | 59.8      | 59.8      |           |
| 3500 + 1000                               | 57.8      | 57.8      | 57.8      |           |
| 3600 + 1000                               | 56.3      | 56.3      | 56.3      |           |
| 3700 + 1000                               |           | 55.8      | 55.8      |           |
| 3800 + 1000                               |           | 53.4      | 53.4      |           |
| 3900 + 1000                               |           | 50.6      | 50.6      |           |
| 4000 + 1000                               |           | 48.5      | 48.5      |           |
| 4100 + 1000                               |           | 47.0      | 47.0      |           |
| 4200 + 1000                               |           | 45.6      | 45.6      |           |
| 4300 + 1000                               |           |           | 44.2      |           |
| 4400 + 1000                               |           |           | 42.8      |           |
| 4500 + 1000                               |           |           | 42.1      |           |
| 4600 + 1000                               |           |           | 40.6      |           |
| 4700 + 1000                               |           |           | 39.9      |           |
| 4800 + 1000                               |           |           | 37.8      |           |
| 4900 + 1000                               |           |           |           | 59.4      |
| 5000 + 1000                               |           |           |           | 57.8      |
| 5100 + 1000                               |           |           |           | 55.0      |
| 5200 + 1000                               |           |           |           | 47.7      |
| 5300 + 1000                               |           |           |           | 46.8      |
| 5400 + 1000                               |           |           |           | 45.8      |
| 5500 + 1000                               |           |           |           | 44.8      |
| 5600 + 1000                               |           |           |           | 42.8      |
| 5700 + 1000                               |           |           |           | 41.8      |
| 5800 + 1000                               |           |           |           | 40.9      |
| 5900 + 1000                               |           |           |           | 39.9      |
| 6000 + 1000                               |           |           |           | 38.0      |
| 6100 + 1000                               |           |           |           | 37.0      |
| 6200 + 1000                               |           |           |           | 36.0      |
| 6300 + 1000                               |           |           |           | 35.1      |

Fowler certify that the capacities for the Aluminium Props fabricated have been analysed and documented based on the detailed testing undertaken by BC Test Laboratory Pty Ltd  
 December 2024

See supplier for full engineering specification as per  
 AS3610 : Formwork for Concrete 1995 and detailed analysis in  
 accordance to  
 AS1664.1: Aluminium Structures 1997,  
 AS1170 : Loading Code 2002