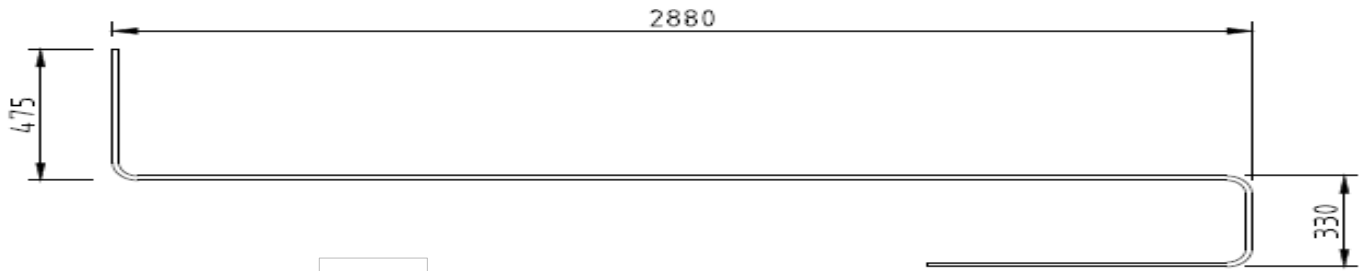
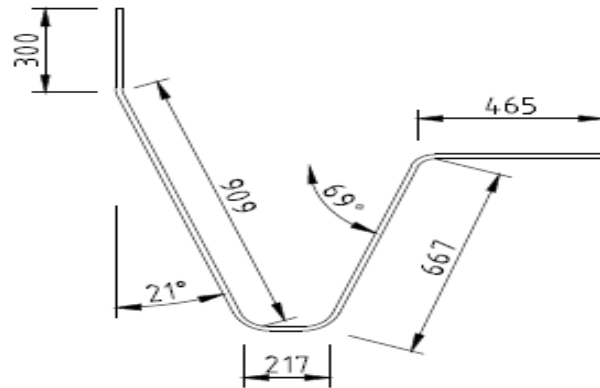


PRECAST COPE PLANKS TYPE 5

| Member | No of Mbrs | No in Each | Y or R | Dia Size | Bar Mark | Total No | Cut Length | Mass kg | Shape Code | Dimensions to SABS 82 | | | | |
|--------------------------|---------------|---------------|-----------|-------------|--------------|-------------|---------------|------------|---------------|-----------------------|------|-----|------|--------|
| | | | | | | | | | | A | B | C | D | E or R |
| COPE PLANK TYPE 5 | 1 | 2 | R | 40 | P501 | 2 | 1 900,0 | 38 | 53 | 460 | 520 | 260 | 520 | 460 |
| | 1 | 27 | R | 12 | P502 | 27 | 1 350,0 | 32 | 45 | 745 | 110 | 500 | 735 | |
| | 1 | 27 | R | 12 | P503 | 27 | 1 650,0 | 40 | 53 | 120 | 605 | 250 | 605 | 120 |
| | 1 | 27 | R | 12 | P504 | 27 | 1 850,0 | 44 | 53 | 120 | 715 | 250 | 715 | 120 |
| | 1 | 27 | Y | 16 | P505 | 27 | 400,0 | 17 | 62 | 1915 | 1890 | 430 | | |
| | 1 | 27 | Y | 16 | P506 | 27 | 1 950,0 | 83 | 72 | 1995 | 590 | | | |
| | 1 | 27 | Y | 16 | P507 | 27 | 5 100,0 | 217 | 72 | 2010 | 590 | | | |
| | 1 | 24 | Y | 16 | P508a | 24 | 4 400,0 | 167 | 99 | SEE SKETCH | | | | |
| | 1 | 1 | Y | 16 | P508b | 1 | 3 200,0 | 5 | 99 | SEE SKETCH | | | | |
| | 1 | 1 | Y | 16 | P508c | 1 | 2 300,0 | 4 | 99 | SEE SKETCH | | | | |
| | 1 | 27 | Y | 16 | P509 | 27 | 2 500,0 | 107 | 99 | SEE SKETCH | | | | |
| | 1 | 23 | Y | 16 | P510a | 23 | 4 850,0 | 176 | 37 | 1980 | 2865 | | | |
| | 1 | 1 | Y | 16 | P510b | 1 | 4 150,0 | 7 | 37 | 1980 | 2200 | | | |
| | 1 | 1 | Y | 16 | P510c | 1 | 3 650,0 | 6 | 37 | 1980 | 1700 | | | |
| | 1 | 1 | Y | 16 | P510d | 1 | 3 150,0 | 5 | 37 | 1980 | 1200 | | | |
| | 1 | 1 | Y | 16 | P510e | 1 | 2 650,0 | 4 | 37 | 1980 | 700 | | | |
| | 1 | 1 | Y | 25 | P511 | 1 | 8 000,0 | 31 | 20 | 8000 | | | | |
| | 1 | 23 | Y | 12 | P512 | 23 | 8 000,0 | 163 | 20 | 8000 | | | | |
| | 1 | 41 | Y | 12 | P513 | 41 | 8 000,0 | 291 | 20 | 8000 | | | | |
| | 1 | 8 | Y | 20 | P514 | 8 | 650,0 | 13 | 20 | 650 | | | | |
| | 1 | 4 | Y | 16 | P515 | 4 | 2 200,0 | 14 | 74 | 540 | 270 | | | |
| | 1 | 68 | Y | 16 | P516 | 68 | 1 600,0 | 172 | 20 | 1600 | | | | |
| | | | | | | | | | | | | | | |
| FENDERBOX | 1 | 5 | Y | 10 | P517 | 5 | 1 950,0 | 6 | 60 | 535 | 290 | | | |
| | 1 | 5 | Y | 10 | P519 | 5 | 1 700,0 | 5 | 60 | 425 | 290 | | | |
| | 1 | 3 | Y | 10 | P521 | 3 | 1 500,0 | 3 | 60 | 310 | 290 | | | |
| | 1 | 2 | Y | 10 | P522 | 2 | 550,0 | 1 | 85 | 120 | 310 | 80 | 80 | |
| | 1 | 1 | Y | 12 | P523 | 1 | 7 250,0 | 6 | 60 | 600 | 2880 | | | |
| | 1 | 1 | Y | 12 | P524 | 1 | 7 150,0 | 6 | 60 | 550 | 2880 | | | |
| | 1 | 1 | Y | 12 | P525 | 1 | 7 000,0 | 6 | 60 | 480 | 2880 | | | |
| | 1 | 1 | Y | 12 | P526 | 1 | 6 900,0 | 6 | 60 | 430 | 2880 | | | |
| | 1 | 1 | Y | 12 | P527 | 1 | 6 250,0 | 6 | 60 | 375 | 2610 | | | |
| | 1 | 1 | Y | 12 | P528 | 1 | 5 550,0 | 5 | 60 | 320 | 2310 | | | |
| | 1 | 13 | Y | 16 | P529 | 13 | 1 950,0 | 40 | 41 | 225 | 1415 | 275 | 1330 | |
| | 1 | 2 | Y | 16 | P530 | 2 | 1 950,0 | 6 | 41 | 225 | 1415 | 275 | 1255 | |
| | 1 | 2 | Y | 16 | P531 | 2 | 1 800,0 | 6 | 41 | 310 | 1175 | 275 | 1105 | |
| | 1 | 2 | Y | 16 | P532 | 2 | 1 700,0 | 5 | 41 | 365 | 1015 | 275 | 955 | |
| | 1 | 13 | Y | 16 | P533 | 13 | 2 000,0 | 41 | 37 | 240 | 1800 | | | |
| | 1 | 2 | Y | 16 | P534 | 2 | 1 950,0 | 6 | 37 | 240 | 1725 | | | |
| | 1 | 2 | Y | 16 | P535 | 2 | 1 800,0 | 6 | 37 | 240 | 1575 | | | |
| | 1 | 2 | Y | 16 | P536 | 2 | 1 650,0 | 5 | 37 | 240 | 1425 | | | |
| | 1 | 2 | Y | 12 | P540 | 2 | 2 000,0 | 4 | 20 | 2000 | | | | |
| | 1 | | Y | 16 | P541 | | 1 600,0 | | 20 | 1600 | | | | |
| | | | | | | | | | | | | | | |
| RETURN WALL | 1 | 11 | R | 12 | P502 | 11 | 1 350,0 | 13 | 45 | 745 | 110 | 500 | 735 | |
| | 1 | 11 | R | 12 | P503 | 11 | 1 650,0 | 16 | 53 | 120 | 605 | 250 | 605 | 120 |
| | 1 | 11 | R | 12 | P504 | 11 | 1 850,0 | 18 | 53 | 120 | 715 | 250 | 715 | 120 |
| | 1 | 11 | Y | 16 | P505 | 11 | 2 350,0 | 41 | 62 | 1915 | 1890 | 430 | | |
| | 1 | 11 | Y | 16 | P509 | 11 | 0,0 | 0 | 99 | SEE SKETCH | | | | |
| | 1 | 14 | Y | 12 | P541 | 14 | 4 050,0 | 50 | 37 | 2880 | 1200 | | | |
| | 1 | 14 | Y | 12 | P542 | 14 | 3 350,0 | 42 | 37 | 2880 | 500 | | | |
| | 1 | 14 | Y | 12 | P543 | 14 | 1 650,0 | 21 | 37 | 1170 | 500 | | | |
| | 1 | 11 | Y | 16 | P544 | 11 | 2 950,0 | 51 | 37 | 1960 | 1000 | | | |
| | | | | | | | | | | | | | | |
| CLOSING CAGE BARS | 1 | 2 | Y | 12 | P550a | 2 | 1 200,0 | 2 | 38 | 550 | 125 | 550 | | |
| | 1 | 2 | Y | 12 | P550b | 2 | 1 200,0 | 2 | 38 | 550 | 150 | 550 | | |
| | 1 | 2 | Y | 12 | P550c | 2 | 1 250,0 | 2 | 38 | 550 | 175 | 550 | | |
| | 1 | 2 | Y | 12 | P550d | 2 | 1 250,0 | 2 | 38 | 550 | 200 | 550 | | |
| | 1 | 2 | Y | 12 | P550e | 2 | 1 300,0 | 2 | 38 | 550 | 225 | 550 | | |
| | 1 | 2 | Y | 12 | P550f | 2 | 1 300,0 | 2 | 38 | 550 | 250 | 550 | | |
| | 1 | 2 | Y | 12 | P550g | 2 | 1 350,0 | 2 | 38 | 550 | 275 | 550 | | |
| | 1 | 36 | Y | 12 | P551a | 36 | 1 350,0 | 43 | 38 | 550 | 298 | 550 | | |
| | 1 | 4 | Y | 12 | P551b | 4 | 1 650,0 | 6 | 38 | 550 | 565 | 550 | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |



P508



P509

Engineers



ORIGINATOR: ZAA

Date: 2019.07.26

Compiled: DC

Checked: WV

Approved: J ZIETSMAN Pr Eng

Signed:

MILD
STEEL

| | |
|-----|-------|
| R8 | 0 |
| R10 | 0 |
| R12 | 163,7 |
| R16 | 0 |
| R20 | 0 |
| R40 | 37,5 |

TOTAL R BARS = 201 kg

HIGH
YIELD
STEEL

| | |
|-----|-------|
| Y10 | 15 |
| Y12 | 671 |
| Y16 | 1 190 |
| Y20 | 13 |
| Y25 | 31 |
| Y32 | 0 |

TOTAL Y BARS = 1 919 kg

TRANSNET



Transnet National Ports Authority

Date:

Name:

Signed:

ZAA SCHEDULE No.

1785-CO-090-C-SCH-0002-06 T0A

DCT BERTHS 203 to 205 RECONSTRUCTION
DEEPENING AND LENGTHENING

TNPA SCHEDULE No.

2122830-1-090-C-SC-1001-06 T0A

ZAA REFERENCE DRAWING

1785-CO-090-C-DWG-0002-07

TITLE

REINFORCEMENT SCHEDULE
PRECAST COPE PLANKS TYPE 5

TNPA REFERENCE DRAWING

2122830-1-090-C-GA-1001-07