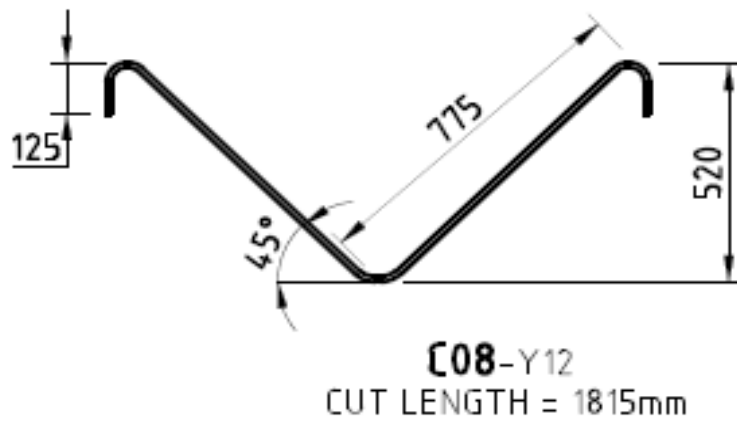
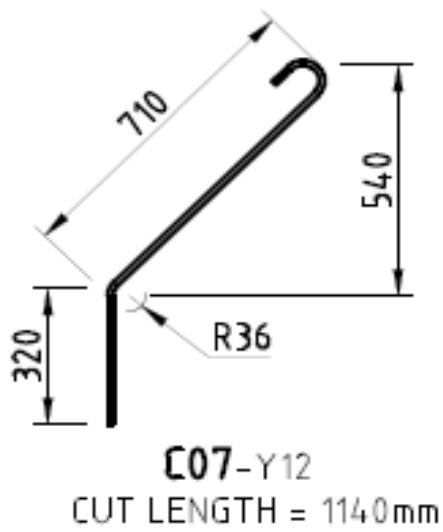
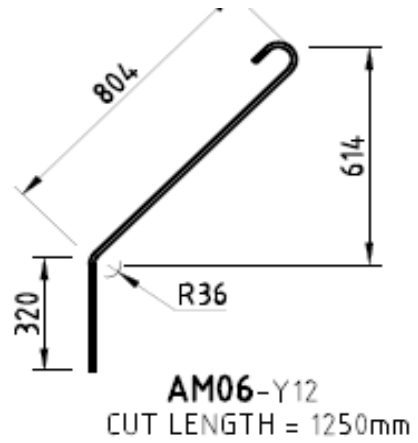
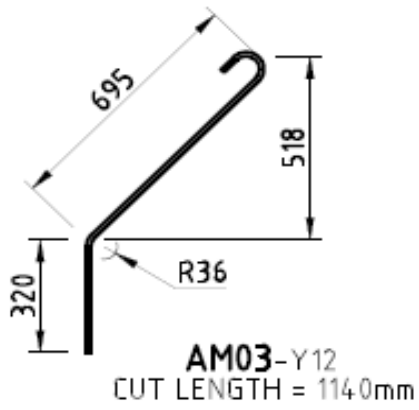
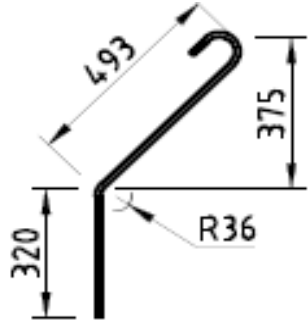


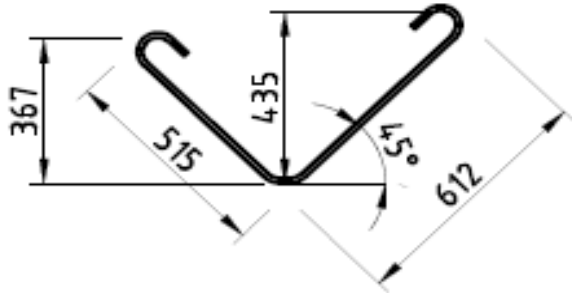
CAPPING BEAM REINFORCING TYPE 9

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
TYPE 9	1	7	Y	25	AM01	7	2 700,0	73	85	660	1520	310	450	
CAPPING BEAM	1	7	Y	16	AM02	7	1 850,0	20	38	700	160	1050		
REINFORCING	1	7	Y	12	AM03	7	1 140,0	7	99	SEE SKETCH				
	1	7	Y	16	AM04	7	2 100,0	23	37	715	1390			
	1	7	Y	16	AM05	7	1 650,0	18	37	300	1390			
	1	7	Y	12	AM06	7	1 250,0	8	99	SEE SKETCH				
	1	7	Y	16	AM07	7	2 000,0	22	54	200	1680	200		
	1	7	Y	12	AM08	7	2 500,0	16	85	550	1480	305	300	
	1	2	Y	16	AM09	2	1 600,0	5	20	1600				
	1	18	Y	16	AM10	18	1 500,0	43	38	650	275	650		
	1	266	Y	25	C01	266	5 450,0	5586	62	1555	1530	3850		
	1	247	Y	25	C02	247	2 250,0	2142	62	1120	1100	1120		
	1	241	Y	25	C03	241	3 050,0	2832	37	2450	650			
	1	266	Y	25	C04	266	2 500,0	2563	20	2500				
	1	226	Y	25	C05	226	3 200,0	2787	37	650	2600			
	1	266	Y	25	C06	266	1 850,0	1896	37	350	1550			
	1	230	Y	12	C07	230	1 140,0	233	99	SEE SKETCH				
	1	230	Y	12	C08	230	1 815,0	371	99	SEE SKETCH				
	1	434	Y	16	C09	434	2 200,0	1507	37	350	1850			
	1	217	Y	16	C10	217	4 050,0	1387	37	350	3700			
	1	251	Y	12	C11	251	1 400,0	312	49	155	155	1065	118	118
	1	217	Y	12	C12	217	2 550,0	491	37	500	2050			
	1	266	Y	12	C13	266	4 450,0	1051	38	2100	280	2100		
	1	266	Y	16	C14	266	2 550,0	1071	38	1160	280	1160		
	1	266	Y	16	C15	266	1 950,0	819	38	900	230	900		
	1	266	Y	16	C16	266	4 050,0	1700	38	350	3400	350		
	1	518	Y	16	C17	518	2 200,0	1799	37	1850	350			
	1	266	Y	16	C18	266	4 450,0	1868	62	1590	1125	2825		
	1	266	Y	25	C19	266	2 850,0	2921	37	350	2550			
	1	266	Y	25	C20	266	2 450,0	2511	38	950	1280	350		
	1	38	Y	16	C21	38	1 850,0	111	38	850	230	850		
	1	36	Y	16	C22	36	1 900,0	108	38	850	280	850		
	1	36	Y	16	C23	36	1 900,0	108	38	850	260	850		
	1	32	Y	16	C24	32	2 500,0	126	37	850	1680			
	1	96	Y	16	C25	96	2 200,0	333	37	850	1350			
	1	32	Y	16	C26	32	3 350,0	169	37	850	2500			
	1	12	Y	16	C27	12	1 800,0	34	37	850	950			
	1	22	Y	12	C28	22	1 050,0	21	38	500	100	500		
	1	6	Y	16	C29	6	1 500,0	14	37	850	680			
	1	200	R	10	C30	200	450,0	56	85	110	260	60	70	
	1	160	R	10	C31	160	300,0	30	85	110	100	60	70	
	1	2	Y	25	LA01	2	2 300,0	18	38	900	605	900		
	1	4	Y	25	LA02	4	2 600,0	40	37	650	2020			
	1	4	Y	25	LA03	4	2 000,0	31	38	880	380	880		
	1	336	Y	25	L01	336	13 000,0	16832	20	13000				
	1	480	Y	16	L02	480	13 000,0	9849	20	13000				
	1	88	Y	12	L03	88	13 000,0	1016	20	13000				
	1	26	Y	25	P01	26	2 050,0	205	38	410	1095	660		
	1	26	Y	12	P02	26	1 200,0	28	38	530	160	530		
	1	26	Y	12	P03	26	940,0	22	99	SEE SKETCH				
	1	12	Y	12	P04	12	1 350,0	14	99	SEE SKETCH				
	1	12	Y	12	P05	12	1 200,0	13	38	530	160	530		
	1	52	Y	16	P06	52	2 050,0	168	37	1850	200			
	1	12	Y	12	P07	12	2 550,0	27	75	630	220	630	305	480
	1	12	Y	12	P08	12	2 800,0	30	75	700	220	705	305	555
	1	12	Y	12	P09	12	1 190,0	13	99	SEE SKETCH				
	1	14	Y	16	P10	14	2 900,0	64	85	170	1955	160	720	
	1	14	Y	12	P11	14	2 600,0	32	85	550	1755	305	150	
	1	14	Y	12	P12	14	1 250,0	16	99	SEE SKETCH				
	1	14	Y	32	P13	14	3 450,0	305	37	1130	2380			
	1	14	Y	25	P14	14	4 250,0	229	37	660	3640			
	1	128	Y	12	P15	128	550,0	63	85	150	290	95	95	
	1	14	Y	20	P16	14	3 900,0	135	37	880	3040			
	1	14	Y	20	P17	14	4 400,0	152	38	2100	280	2100		
	1	18	Y	16	P18	18	1 400,0	40	38	650	135	650		
	1	18	Y	16	P19	18	3 550,0	101	38	1675	280	1675		
	1	18	Y	16	P20	18	1 450,0	41	38	650	195	650		
	1	18	Y	16	P21	18	3 550,0	101	38	1675	280	1675		
	1	2	Y	16	P22	2	1 600,0	5	20	1600				
	1	2	Y	16	P23	2	2 350,0	7	20	2350				

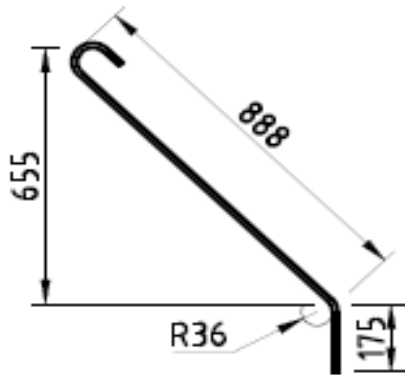




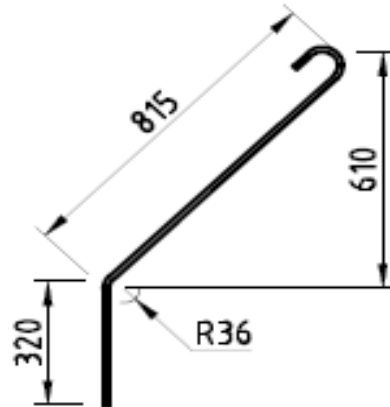
P03-Y12
CUT LENGTH = 940mm



P04-Y12
CUT LENGTH = 1350mm



P09-Y12
CUT LENGTH = 1190mm



P12-Y12
CUT LENGTH = 1250mm

Engineers



ORIGINATOR: ZAA

Date: 2019.07.26

Compiled: AS

Checked: MC

Approved: J ZIETSMAN Pr Eng

Signed:

MILD
STEEL

R8	0
R10	85,1
R12	0
R16	0
R20	0
R32	0

TOTAL R BARS = 85 kg

HIGH
YIELD
STEEL

Y10	0
Y12	3 781
Y16	21 663
Y20	287
Y25	40 666
Y32	305

TOTAL Y BARS = 66 701 kg

TRANSNET



Transnet National Ports Authority

Date:

Name:

Signed:

ZAA SCHEDULE No.

1785-CO-090-C-SCH-0013-01 T0A

DCT BERTHS 203 to 205 RECONSTRUCTION
DEEPENING AND LENGTHENING

TNPA SCHEDULE No.

2122830-1-090-C-SC-1012-01 T0A

ZAA REFERENCE DRAWING

1785-CO-090-C-DWG-0013

TITLE

REINFORCEMENT SCHEDULE
CAPPING BEAM TYPE 9

TNPA REFERENCE DRAWING

2122830-1-090-C-GA-1012