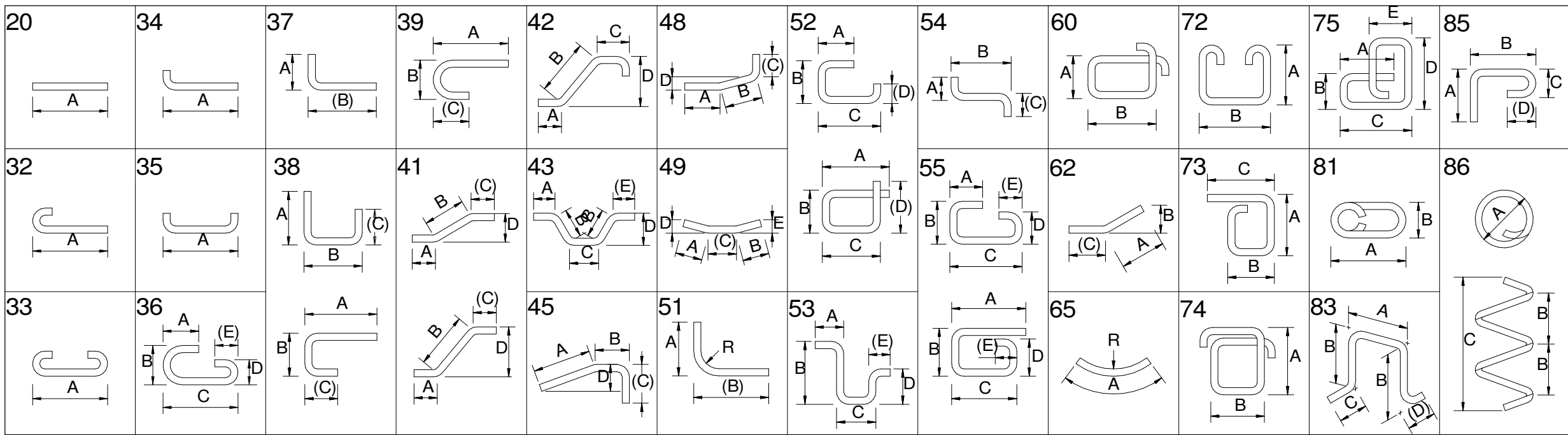


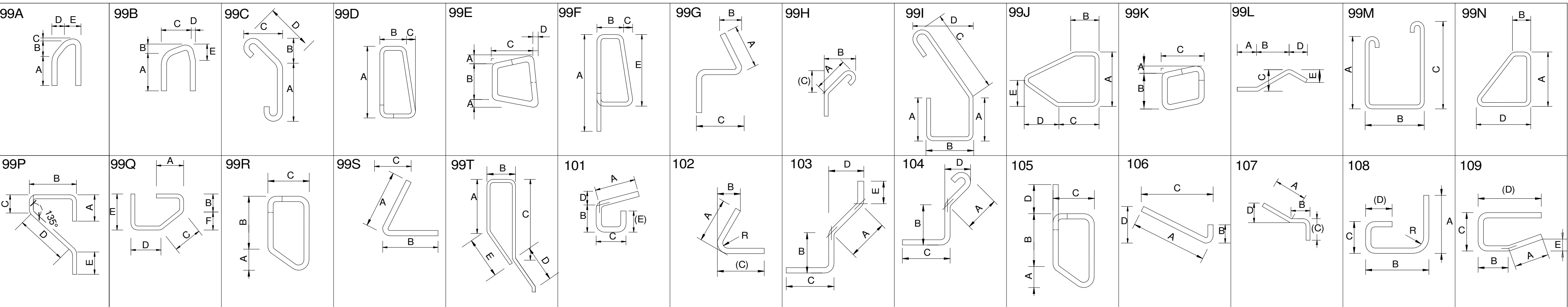
RIGHT ABUTMENT WALL BENDING SCHEDULE													
STR. MEMBER	BAR MARK	TYPE & SIZE	No OF MEMBERS	No OF BARS	TOTAL No.	BAR LENGTH	SHAPE CODE	DIMENSIONS (mm)					Total Bar length
								A	B	C	D	E/R	
RIGHT ABUT. WALLS	46	Y12	1	1	1	1325	38	650	100	650			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1325	38	650	100	650			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1325	38	650	100	650			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1275	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1275	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1275	38	625	100	625			1
RIGHT ABUT. WALLS	46	Y12	1	1	1	1250	38	600	100	600			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1450	38	700	100	700			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1425	38	700	100	700			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1425	38	700	100	700			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1425	38	700	100	700			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1400	38	675	100	675			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1400	38	675	100	675			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1400	38	675	100	675			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1400	38	675	100	675			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1375	38	675	100	675			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1375	38	675	100	675			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1375	38	675	100	675			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1375	38	650	100	650			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1350	38	650	100	650			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1350	38	650	100	650			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1350	38	650	100	650			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1325	38	650	100	650			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1325	38	650	100	650			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1325	38	650	100	650			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1300	38	625	100	625			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1275	38	625	100	625			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1275	38	625	100	625			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1275	38	625	100	625			1
RIGHT ABUT. WALLS	47	Y12	1	1	1	1250	38	600	100	600			1
RIGHT ABUT. WALLS	48	Y12	1	10	10	1450	38	700	100	700			14
RIGHT ABUT. WALLS	49	Y12	1	3	3	7600	62	5400	100	5400	2200		23
RIGHT ABUT. WALLS	49	Y12	1	2	2	7600	62	5400	100	5400	2200		15
RIGHT ABUT. WALLS	50	Y12	1	3	3	6375	62	5825	200	5825	550		19
RIGHT ABUT. WALLS	50	Y12	1	2	2	6375	62	5825	200	5825	550		13
RIGHT ABUT. WALLS	51	Y32	1	14	14	7800	20	7800					109
RIGHT ABUT. WALLS	51	Y32	1	14	14	7800	20	7800					109

APPROACH SLAB BENDING SCHEDULE													
STR. MEMBER	BAR MARK	TYPE & SIZE	No OF MEMBERS	No OF BARS	TOTAL No.	BAR LENGTH	SHAPE CODE	DIMENSIONS (mm)					Total Bar lenth
								A	B	C	D	E/R	
APPROACH SLAB	1	Y16	1	5	5	4600	38	150	4400	150			23
APPROACH SLAB	1	Y16	1	54	54	4600	38	150	4400	150			249
APPROACH SLAB	2	Y16	1	4	4	1800	38	150	1600	150			7
APPROACH SLAB	3	Y16	1	15	15	1125	38	150	900	150			17
APPROACH SLAB	8	Y16	1	15	15	6100	37	150	6000				92
APPROACH SLAB	9	Y16	1	15	15	5525	37	150	5425				83
APPROACH SLAB	10	Y16	1	8	8	7100	37	125	7000				57
APPROACH SLAB	10	Y16	1	8	8	7100	37	125	7000				57
APPROACH SLAB	11	R16	1	23	23	1975	54	800	450	800			46
APPROACH SLAB	11	R16	1	3	3	1975	54	800	450	800			6

STANDARD SHAPE CODES



SPECIAL SHAPE CODES



NOTES

- BEFORE ORDERING AND BEFORE CUTTING AND BENDING OF REINFORCEMENT COMMENCES, THE CONTRACTOR MUST CHECK ALL SCHEDULES TO ENSURE CORRECTNESS. WHERE CHANGES ARE NECESSARY, THEY SHALL BE REFERRED TO THE ENGINEER.
  - ALL BENDING SHALL BE DONE IN ACCORDANCE WITH SABS B2 (WITH THE LATEST AMENDMENTS).
  - THREE TYPE OF REINFORCEMENT CAN BE SPECIFIED ON REINFORCEMENT DRAWINGS AND BENDING SCHEDULE viz.
    - R HOT-ROLLED MILD STEEL BARS OF PLAIN ROUND CROSS-SECTION HAVING A CHARACTERISTIC STRENGTH OF 250 MPa.
    - Y HOT-ROLLED HIGH YIELD STRESS STEEL HAVING A CHARACTERISTIC STRENGTH OF 450 MPa.
    - WELDED STEEL FABRIC IN ACCORDANCE WITH SABS 1024:1991.
- FOR EXAMPLE:  
R20 DENOTES A 20mm DIAMETER PLAIN ROUND HOT-ROLLED MILD STEEL  
Y25 DENOTES A 25mm DIAMETER HOT-ROLLED HIGH YIELD STRESS STEEL  
REF: 665 DENOTES FABRIC REFERENCE 665 MESH

				AS BUILT		Continued from :		Designed by : T. Mkhize		 <b>transport</b> Department: Transport Province of KwaZulu-Natal	 <b>IBHONGO CONSULTING</b> 71 FIFTH Avenue Morningside Durban 4001 Tel: (031) 324 2200 Fax: (031) 324 2222 email:info@ibhongo.co.za	Structural Design: Chief Engineer	PROVINCIAL ROAD P52/3 - NONGOMA TO PONGOLA S 27 39 47.18 E 31 43 12.14	Staked km distance <b>27.400</b>	Sheet : <b>37</b> of : <b>51</b>					
				Supervising Engineer	Date	Continued on :		Checked by : B. Manyela												
						Cross Section No :		Drawn by : S. Maphumulo												
A. 28-09-2023				ISSUED FOR APPROVAL		BM										Supervising Authority		PROPOSED MKHUZE RIVER BRIDGE RIGHT ABUTMENT BENDING SCHEDULE 2 OF 2	Scale : <b>As indicated</b>	Ibhongo Dwg No: <b>2203-SBS-313</b> DOT Dwg No: <b>3801-37</b>
Rev				Date		Description		Checked												
AMMENDMENTS																				