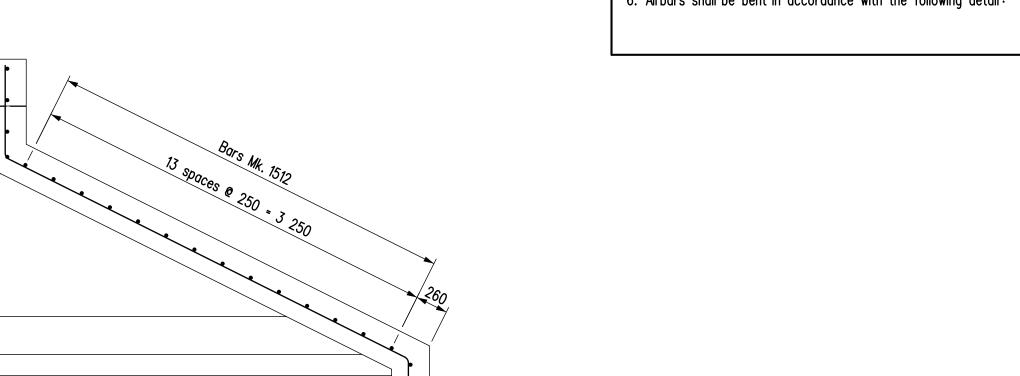


MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM
1501	BENT	90	5 400	24	203.47	1080
1502	STR		1 300	12	24.49	
1503	STR		1 010	12	19.03	
1504	STR		880	12	16.58	
1505	STR		840	12	15.83	
1506	STR		750	12	14.13	
1507	STR		460	12	8.67	
1508	STR		330	12	6.22	
1509	STR		290	12	5.46	
1510	STR		3 090	36	174.65	
1511	STR		850	24	32.03	
1512	STR		410	168	108.14	
1513	STR		650	12	12.25	
	s of reinfor me of struc					640.95 kg 17.66 m³

- on 90°, 135° & 180° hooks are the "A" or "G" dimensions for the standard 90°, 135° & 180° hooks referenced from the RSIC "Manual of Standard Practice". Radii are inside dimensions. All reinforcing steel bends and hooks shall conform to Clause 6.6.2 of C.S.A. A23.1-04, unless noted otherwise in the BILL OF REINFORČING STEEL.
- 2. All reinforcing steel shall be deformed steel, unless noted otherwise in the BILL OF REINFORCING STEEL.
- All reinforcing steel shall conform to CSA G30.18-M92 "Billet Steel Bars for Concrete Reinforcement" Grade 400W, unless noted otherwise in the BILL OF REINFORCING STEEL.
- 4. Like bars shall be bundled, securely tied and identified as to Mark and Site No. by appropriate means.

  All other items to be identified in a similar fashion.
- 5. Bars marked with the suffix "P" shall be plain undeformed bars in accordance with CAN/CSA G40.21-M92 Grade 300W.
- 6. All bars shall be bent in accordance with the following detail:



		REVIS	SIONS		HEADWALL DETAILS (REINFORCING) FOR 3 - 2 200 Ø C.S.P.'S			
DESIG	DATE BY DESCRIPTION  DESIGN SEAL RECORD SEAL  Original signed by A. H.  PANKRATZ June 4, 2014				Infrastructure ater Management and Structures	Origin	APPROVED BY:  Original signed by Ruth Eden  EXECUTIVE DIRECTOR OF STRUCTURES	
Sig				DESIGN	BY:A.H.P	DATE		
CPED PRO	FESSION			DETAILS	BY:K.P	_	STD No. <u>SC_ET_RCH_NS_3-2200</u>	