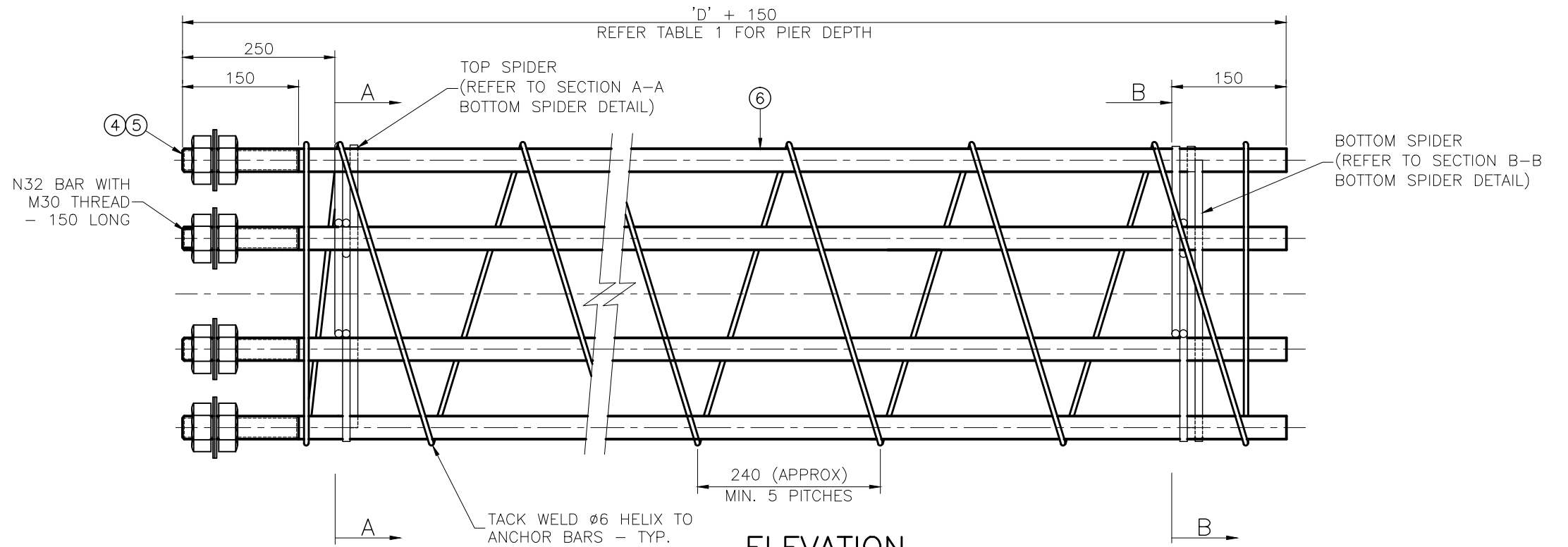


TOP ELEVATION



ELEVATION

TABLE 1 – BORED PIER DEPTH TABLE

SOIL CLASS	STRENGTH (f'b) (kPa)	EMBEDMENT DEPTH (D)	PILE LENGTH
SOFT (POOR)	80~100	2600	2700
FIRM (AVERAGE)	101~150	2100	2200

DESIGN ASSUMPTIONS MADE

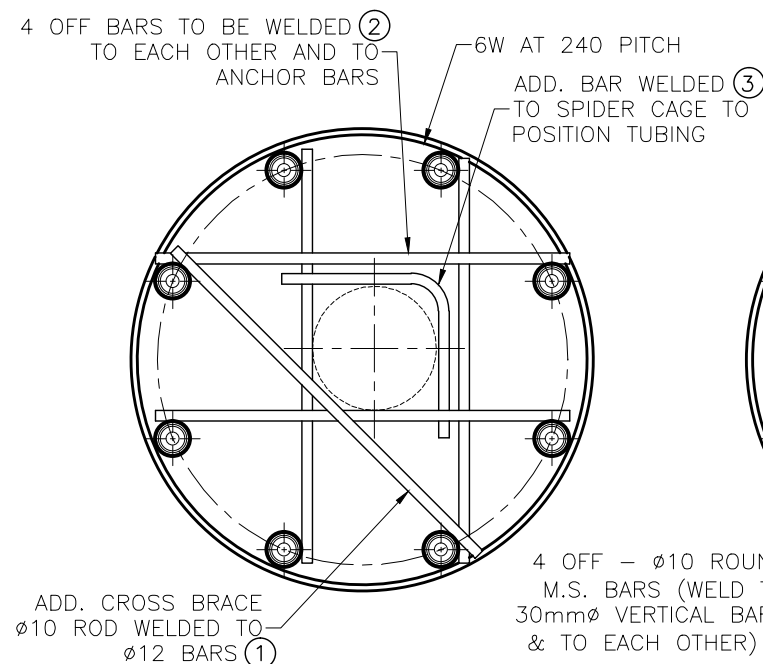
- ANY UNIDENTIFIED DIMENSIONS FOR THE MASTARM WERE SCALED FROM STANDARD DRAWING UMS 600/053. THESE DIMENSIONS WERE CONSIDERED SUFFICIENTLY ACCURATE FOR THE CALCULATIONS
- LUMINAIRE HEIGHT IS CONSIDERED TO BE 12.0m.

NOTES

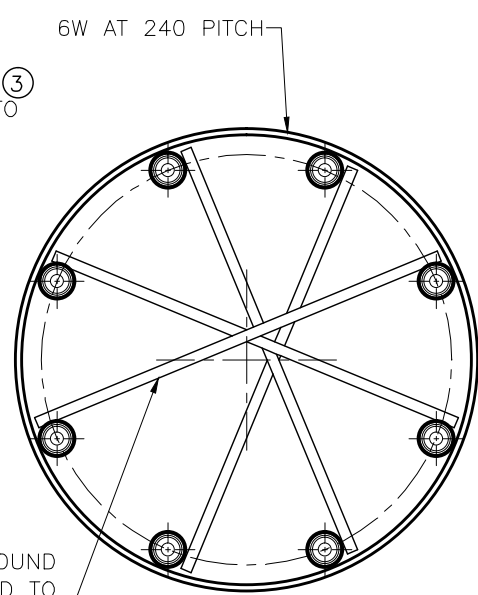
- ALL NUTS TO CONFORM TO AS1112 & HOT DIPPED GALVANISED TO AS1214.
- ALL WASHERS TO BE HOT DIPPED GALVANISED TO AS1214.
- SCREW ON EACH BAR TWO NUTS WITH TWO FLAT WASHERS BETWEEN THEM AFTER GALVANISING.
- ANCHOR CAGE ASSEMBLY TO BE CLEANED AND THE WELDING SLAG REMOVE PRIOR TO BEING HOT DIP GALVANISED TO AS/NZS4680.
- THREADS SHOULD BE CLEAN AFTER GALVANISING & A TEMPLATE PLACED OVER THREADED ENDS TO ENSURE THE ACCURACY OF THE P.C.D. OF BARS.
- THIS 8 BAR GALVANISED CAGE WEIGHS 152kg.
- TOLERANCES: DIMENSIONAL ±5.0 UNO, HOLE CENTRES ±1.0 UNO.
- MAINTAIN MIN. 100 CONCRETE COVER TO ALL STEEL. ALL CONCRETE IS TO HAVE A 28-DAY CHARACTERISTIC COMPRESSIVE STRENGTH (f'c) OF 32MPa (UNLESS OTHERWISE NOTED). THE MAXIMUM AGGREGATE SIZE SHALL BE 20mm, THE SLUMP SHALL BE 80mm-WATER IS NOT TO BE ADDED TO THE CONCRETE AFTER BATCHING, IF NECESSARY CHEMICAL ADDITIVES ARE TO BE USED TO ALTER THE CONSISTENCY OF THE CONCRETE, PROVIDED THEY DO NOT REDUCE THE SPECIFIED CONCRETE COMPRESSIVE STRENGTH. REFER TO BSD-4156 FOR ALL OTHER CONCRETE NOTES.
- DIMENSIONS IN MILLIMETRES (UNO).

TABLE 2 – MATERIALS LIST


ITEM No.	No. OFF	ITEM DESCRIPTION	MATERIAL DESCRIPTION	LENGTH	GRADE
7	4	BOTTOM SPIDER CROSS BAR	ø10mm ROUND STEEL BAR	400mm	M.S.
6	8	ANCHOR BAR	N32 BAR	'D'+150mm	-
5	16	LEVELLING NUTS-REFER TO NOTES 1 & 3	M30 HEX GALV NUT		8.8/S
4	16	GALVANISED WASHERS-REFER TO NOTES 2 & 3	ø31mm x 5mm GALV. WASHERS		-
3	1	TOP SPIDER POSITIONING BAR	ø10mm ROUND STEEL BAR	275mm	M.S.
2	4	TOP SPIDER CROSS BAR	ø12mm ROUND STEEL BAR	385mm	M.S.
1	1	TOP SPIDER CROSS BRACE	ø10mm ROUND STEEL BAR	400mm	M.S.



**SECTION A-A
TOP SPIDER DETAILS**



**SECTION B-B
BOTTOM SPIDER DETAILS**

DRAWING AUTHORISED FOR PUBLICATION B. BALL SIGNATURE ON ORIGINAL DATED 29/6/01 MANAGER ASSET SUPPORT - R.P.E.Q: 3 8 5 2 DESIGN APPROVED K. MEMORY SIGNATURE ON ORIGINAL DATED 27/6/01 SENIOR PROGRAM OFFICER NETWORK OPERATIONS - R.P.E.Q: 4 1 6 1				DESIGN	Std Dwgs WG	DATE	Apr'01		BRISBANE CITY COUNCIL STANDARD DRAWING RAGBOLT ASSEMBLIES MAST ARM 2.5 & 5.0M OUTREACH		SCALE		NOT TO SCALE	
				DRAWN	CPD - P&D	DATE	Apr'01				DWG No.		BSD-4154	
				CHECKED	R. WILSON	DATE	May'01				ORIGINAL SIZE		A3	
				DRAWING FILENAME	BSD-4154.dwg						REVISION		A	
A	Drawing Converted from UMS Series April 2014			APR '14	APR '14	APR '14								
ISSUE	AMENDMENT			DRAWN DATE	CHK'D DATE	APPR'D DATE								