



MATERIALS AND WEIGHT

NO.	DESCRIPTION	MATERIALS AND SPECIFICATION	ALLOW. STRESS (N/mm <sup>2</sup> )	QTY.	WEIGHT (KGS)	WT. (KGS)
1.	BODY	JIS G 3101 S GRADE EC 48	1,400	1	983	983
2.	ANCHOR BOLT	JIS G 3101 S GRADE SS41 JIS B 2205 W 48-5	1,400	6	14	84
3.	HEXAGON NUTS	JIS B 11011 GRADE 4T M18-5	-	12	-	-
4.	PLAIN WASHER	JIS B 1206 ROUND STEEL	-	6	-	-
5.	ANCHOR RING	JIS G 3101 S GRADE SS41 OR JIS G 3101 S GRADE SC48	1,400	6	12	72

1 TYPICAL DETAIL  
**50 TONS MOORING BOLLARD (TEE HEAD)**  
SCALE 1:25mts



PORT MANAGEMENT OFFICE OF BICOL  
REGIONAL GOVERNMENT CENTER,  
BANGS, LEGAZPI CITY 4500

PROJECT TITLE <b>MAINTENANCE OF PORT LIGHTING SYSTEM, TERMINAL MANAGEMENT OFFICE BUILDING, MOORING BOLLARD, AND GATE</b> PORT OF SAN ANDRÉS, CATANDUANES				SHEET NO. <b>8</b> <b>9</b> OCT. 23, 2023	
PREPARED <b>JEAN PAULA F. DE LOS SANTOS</b> ARCHITECT II		CHECKED/REVIEWED <b>CHRISTOPHER M. CADAG</b> SUPERVISING ENGINEER A		RECOMMENDING APPROVAL <b>JOHN S. DE LOS SANTOS</b> ACTING DIVISION MANAGER A, ESD	
		APPROVED <b>MA. MAGNOLIA SINSON-REQUEJO</b> PORT MANAGER			