

PORT OF  
CAGAYAN DE ORO  
MISAMIS ORIENTAL

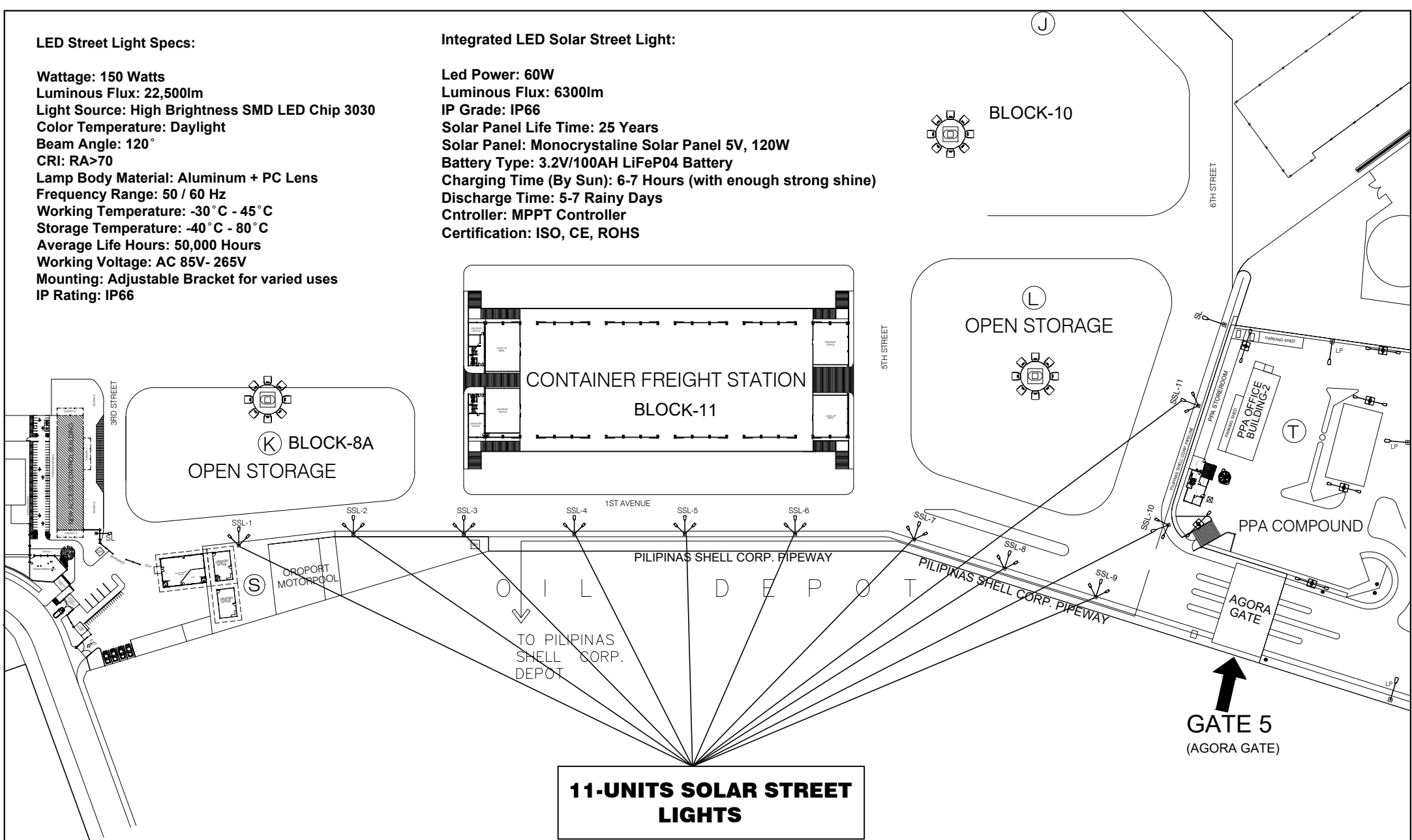
TITLE: <b>Maintenance of Port Outdoor Solar Street Light Along 1st Avenue (MPF-MOC-09-2025)</b>		SHEET NO. <b>1 2</b>	
LOCATION: <b>PORT OF CAGAYAN DE ORO</b>		SHEET CONTENTS	
PREPARED BY: <i>Gabriel D. Momboneda</i> GABRIEL D. MONBONEDO Senior Engineer A	CHECKED BY & SUBMITTED BY: <i>Marc M. Avellana</i> MARC M. AVELLANA Supervising Engineer A	RECOMMENDING APPROVAL: <i>Antonio M. Torcino, Jr.</i> ANTONIO M. TORCINO, JR. Acting ESD Manager	APPROVED: <i>Fernando B. Mapalo, Jr.</i> FERNANDO B. MAPALO, JR. Acting Port Manager
		SITE DEVELOPMENT PLAN	

### LED Street Light Specs:

**Wattage:** 150 Watts  
**Luminous Flux:** 22,500lm  
**Light Source:** High Brightness SMD LED Chip 3030  
**Color Temperature:** Daylight  
**Beam Angle:** 120°  
**CRI:** RA>70  
**Lamp Body Material:** Aluminum + PC Lens  
**Frequency Range:** 50 / 60 Hz  
**Working Temperature:** -30° C - 45° C  
**Storage Temperature:** -40° C - 80° C  
**Average Life Hours:** 50,000 Hours  
**Working Voltage:** AC 85V- 265V  
**Mounting:** Adjustable Bracket for varied uses  
**IP Rating:** IP66

### Integrated LED Solar Street Light:

**Led Power:** 60W  
**Luminous Flux:** 6300lm  
**IP Grade:** IP66  
**Solar Panel Life Time:** 25 Years  
**Solar Panel:** Monocrystalline Solar Panel 5V, 120W  
**Battery Type:** 3.2V/100AH LiFeP04 Battery  
**Charging Time (By Sun):** 6-7 Hours (with enough strong shine)  
**Discharge Time:** 5-7 Rainy Days  
**Controller:** MPPT Controller  
**Certification:** ISO, CE, ROHS



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PREPARED BY:		CHECKED BY & SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED:	LAYOUT PLAN AND DETAILS ALONG 1ST AVENUE	
GABRIEL D. MONTEBONO Senior Engineer A		MARC M. AVELLANA Supervising Engineer A	ANTONIO M. TORCINO, JR. Acting ESJ Manager	FERNANDO B. MAPALO, JR. Acting Port Manager		
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