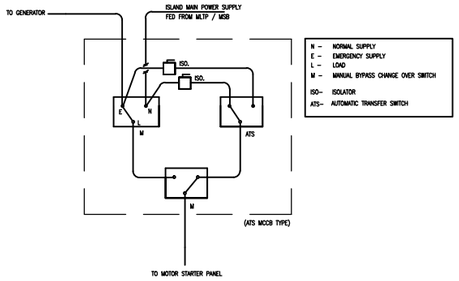

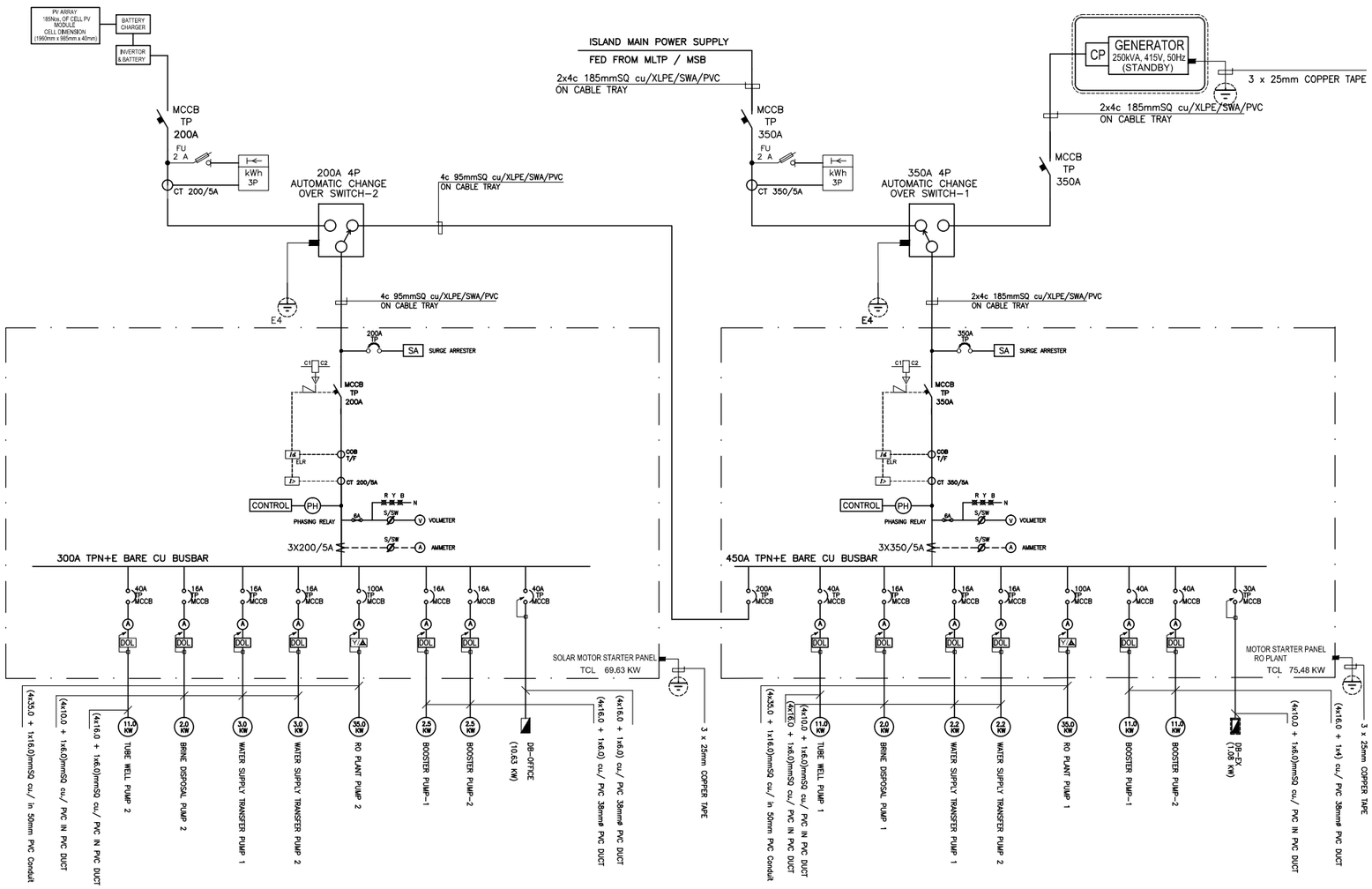

ELECTRICAL SINGLE LINE DIAGRAM
REVERSE OSMOSIS PLANT - N.VELIDHOO ISLAND

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AND OTHERWISE SPECIFIED.
2. CABLE LEGEND AS SHOWN AS DRAWING
3. ALL S/F,ELECTRICAL PANELS AND GENERATOR SHALL BE PROVIDED WITH EARTHING SYSTEM
4. ALL ELECTRICAL INSTALLATIONS FOR OUTDOOR USE, SHALL BE PROTECTED FROM RAIN AND DUST
5. ALL PUMPS SHOULD BE PROVIDED WITH OWN CONTROL PANEL WITH NECESSARY PROTECTION.
6. ALL EXPOSED INSTALLATION SHOULD BE IN G.I CONDUIT OR SHADED CABLE TRAYS.
7. ALL ABOVE GROUND CONDUIT SHALL BE RIGID HOT DIP GALVANIZED EXCEPT AS NOTED.
8. ALL NEMA 3R GASKETED S.S ENCLOSURES TO HAVE LOCKABLE HANDLE AND 3 POINT LATCHING.
9. CONTRACTOR IS RESPONSIBLE TO GET THE FINAL APPROVAL FOR THE ALL THE DETAILS REGARDING SOLAR SYSTEM FROM THE CONSULTANT ENGINEER BEFORE IMPLIMENTING ON THE SITE.

LEGEND	DESCRIPTION
MCCB	MOULDED CASE CIRCUIT BREAKER
MCB	MINIATURE CIRCUIT BREAKER
ELR	EARTH LEAKAGE RELAY
ELCB	EARTH LEAKAGE CIRCUIT BREAKER
A	AMMETER
V	VOLTMETER
PF	POWER FACTOR METER
	SELECTOR SWITCH
	PHASE INDICATOR
	MCB LOCKABLE ISOLATOR
DOL	DIRECT ON–LINE STARTER
SA	SURGE ARRESTOR
CP	CONTROL PANEL
	DISTRIBUTION BOARD
	DISTRIBUTION BOARD W/P
	STARTER PANEL WEATHERPROOF
	EARTH PIT

REFERENCE DRAWINGS

SL.No.	DRAWING No.	DESCRIPTION

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
..	..	..	..	..	..
..	..	..	..	..	..
..	..	..	..	..	..
..	..	..	..	..	..
0	17-09-'15	DETAILED DESIGN SUBMISSION	BA	RDS	MA

REVISION

CLIENT

MINISTRY OF ENVIRONMENT & ENERGY
REPUBLIC OF MALDIVES

CONSULTANT: استشاري

Al-Habshi Consultants مكتب الحبشى للاستشارات الهندسية
Al-Habshi Consultants Office
Tel.: 2430103 / 2433131 - Fax : 2431136
P.O.Box 27154 Safat 13132 - Kuwait

PROJECT:
Provision of Water Supply Facilities in 04 islands and Sewerage Facilities in 05 islands -
N.Velidhoo Island - Republic of Maldives

DRAWING TITTLE:
SCHEMATIC DIAGRAM
RO PLANT UNIT-N.VELIDHOO ISLAND

DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
RDS	BA	RDS	MA	1 : 50	17-09-'15

PROJECT No.	SHEET No.	DRAWING No.
K-619	1 OF 1	NV-EL-107
REV. No.	0	

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