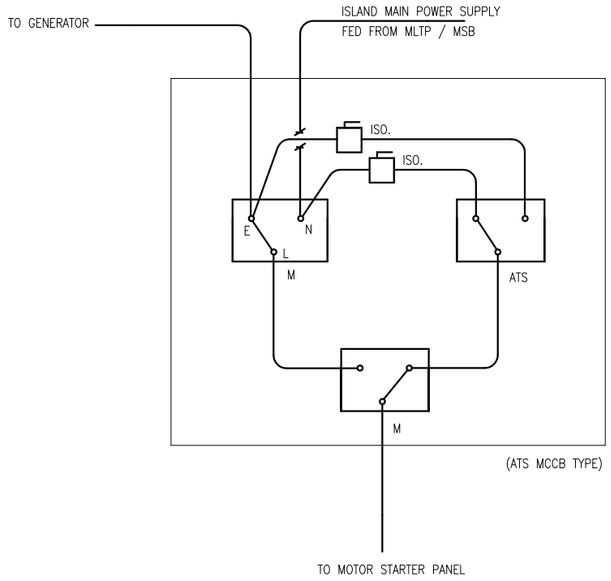
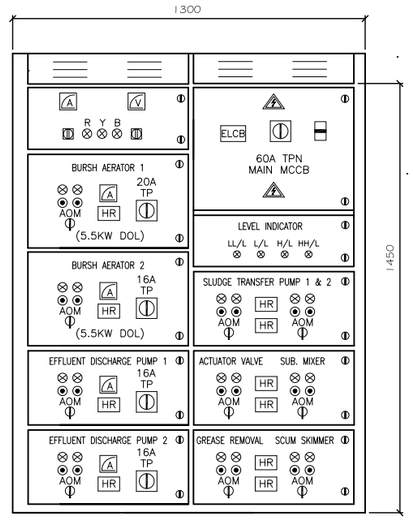


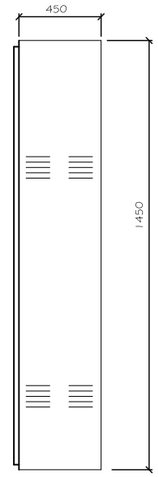
N – NORMAL SUPPLY
E – EMERGENCY SUPPLY
L – LOAD
M – MANUAL BYPASS CHANGE OVER SWITCH

ISO– ISOLATOR
ATS– AUTOMATIC TRANSFER SWITCH

ATS DETAIL



FRONT ELEVATION



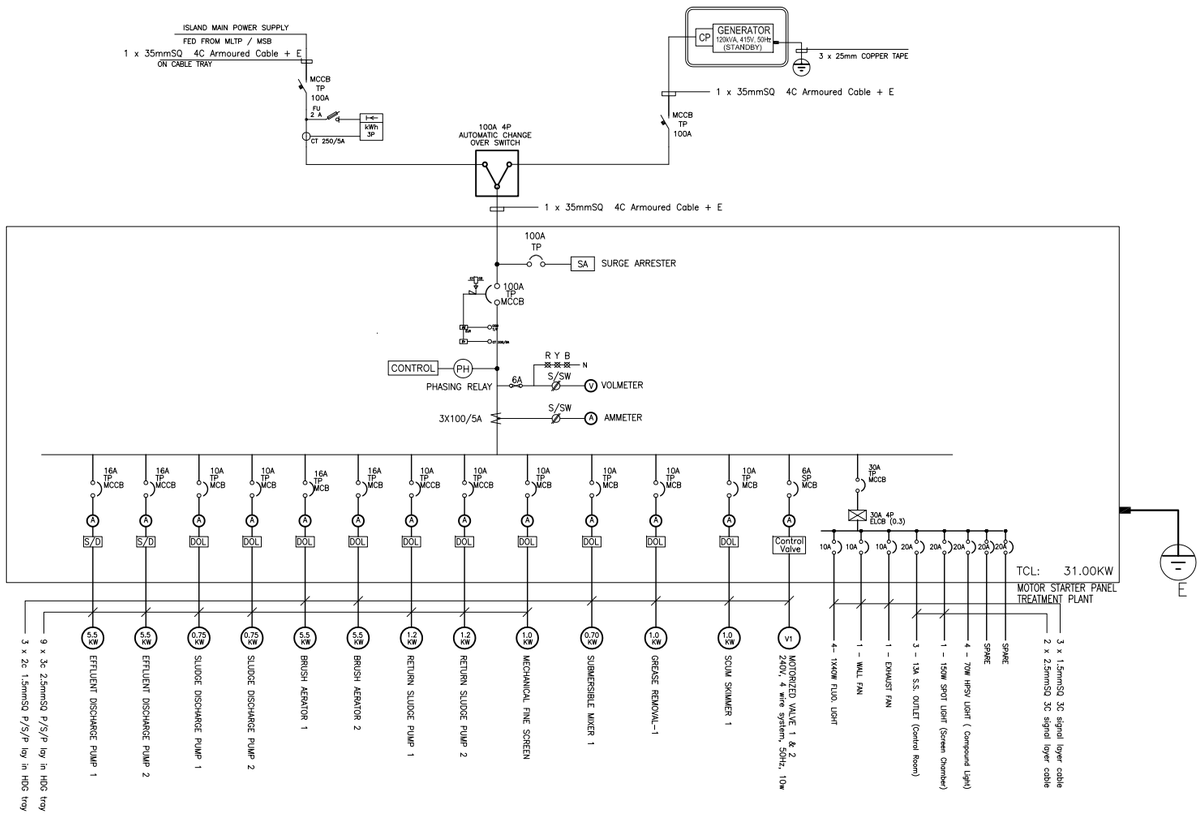
SIDE VIEW

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 EARTHLING 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.

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
	D.B W/P FOR LIGHT AND SOCKET
	STARTER PANEL WEATHERPROOF
	EARTH PIT
	EARTH LEAKAGE RELAY

CABLE LEGEND:-

4c 10mmSQ Armoured Cable + E
3c 2.5mmSQ P/S/P lay in HDG tray
2c 1.5mmSQ P/S/P lay in HDG tray
3c 2.5mmSQ signal layer cable
3c 1.5mmSQ signal layer cable



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
مكتب الحبشي 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 -
R.Hulhudhuffaaru Island - Republic of Maldives

DRAWING TITTLE:
SCHEMATIC DIAGRAM
SEWAGE TREATMENT PLANT
R.HULHUDHUFFAARU 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	RH-EL-112
REV. No.	0	

Copyright © 2015 by Al-Habshi Consultants Office