ELECTRICAL DRAWINGS

Volume 3: Tender Drawings
Project Title:
Rehabilitation / Completion and Outfitting Work for Office Building at Regent Road, Hill Station, Freetown For Sierra Leone Field Office of the African Development Bank (ADB)

Drawing Title:
Security Post
Screen Monitor Layout

Legend

- Wall Mounted Monitor Screen
- 13A Single Socket Mounted 2000mm above Final Floor Finished
Legend

- 600x600 40w Recessed LED Ceiling Panel Lighting-IP44 (emergency)
- 600x600 40w Recessed LED Ceiling Panel Lighting-IP44
- 18w LED Ceiling Downlight
- 20w LED Ceiling Downlight
- 8 Watts Emergency Illuminated Exit Sign Box
- 3Hr Non-Maintained
- 1200mm 36w Weatherproof fluorescent Light Fittings
- BEGA TYPE no. 2743 impact resistance
- Staircase Wall Light
- 10Amps 1gang 1way Light switch
- 10Amps 2gang 1way Light switch
- 10Amps 3gang 1way Light switch
- 10Amps 1gang 2way Light switch
- 10Amps 2gang 2way Light switch
- 10Amps 3gang 2way Light switch
- 20 Amps Dawn to Dusk photo cell light
- Switch to be located at high level

NOTES
8 Watts Emergency Illuminated Exit Sign Box
3Hr Non-Maintained
BEGA TYPE no. 2743 impact resistance
Staircase Wall Light
18w LED Ceiling Downlight
20w LED Ceiling Downlight
600x600 40w Recessed LED Ceiling Panel Lighting-IP44
10Amps 1gang 1way Light switch
10Amps 2gang 1way Light switch
10Amps 1gang 2way Light switch
600x600 40w Recessed LED Ceiling Panel Lighting-IP44 (emergency)

NOTES
Waiting Area
Security Post
Porch
Garden Tool Store

Legend
20w LED Ceiling Downlight
18w LED Ceiling Downlight
10Amps 1gang 1way Light switch
10Amps 2gang 1way Light switch
20 Amps Dawn to Dust photo cell light
Switch to be located at high level
THORN AQUAFORCE II 1×18W

Project Title: Rehabilitation / Completion and Outfitting Work for Office Building at Regent Road, Hill Station, Freetown For Sierra Leone Field Office of the African Development Bank (ADB)

Drawing Title: Security Post Ceiling Light Layout

SL/ADB/E-206
BULK FUEL TANK

THORN AQUAFORCE II 1x36W T26 HF L840

10Amps 1gang 1way light switch

THORN AQUAFORCE II 1x18W

20 Amps Dawn to Dusk photo cell light

Switch to be located at high level

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Legend

**NOTES**

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**Project Title:** Rehabilitation / Completion and Outfitting Work for Office Building at Regent Road, Hill Station, Freetown For Sierra Leone Field Office of the African Development Bank (ADB)

**Drawing Title:** Generator House & Battery Room Ceiling Light Layout

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Legend

- THORN AQUAFORCE II 1x36W T26 HF L840
- 10Amps 1gang 1way light switch
- 13Amps Double Socket Outlet (Raw Power)
- 100A 6Way ABX 3-Phase Distribution Board

Package Water Treatment Plant
Legend

45A Weatherproof Plug and Receptacles for Harsh Environments
LEGEND

- Clamp: connecting copper conductor to earth rod
- Cylindrical part to be welded to steel structure or foundation bar for using as connection point with cable shoe
- Clamp: connecting copper conductor to copper conductor or Y/G wire
- Equipotentializing bonding bar EBB-X: EBB NAME
- 50mm² Bare Stranded copper conductor
- 50mm² Bare Stranded copper cable
- 1800mm Pure Copper Earth Rod to BS6651
- U-Bolt
FROM BASEMENT EARTH RING

LEGEND
- Clamp: connecting copper conductor to earth rod
- Cylindrical part to be welded to steel structure or foundation bar for using as connection point with cable shoe
- Clamp: connecting copper conductor to copper conductor or Y/G wire
- Equipotentializing bonding bar: EBB-X: EBB NAME
- 70mm² Bare Stranded copper conductor
- 50mm² Bare Stranded copper cable
- 1800mm Pure Copper Earth Rod to BS6651
- U-Bolt

Project Title: Rehabilitation / Completion and Outfitting Work for Office Building at Regent Road, Hill Station, Freetown For Sierra Leone Field Office of the African Development Bank (ADB)

Drawing Title: Security Post Earthing & Bonding Layout

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Checked by: YYYY

Date: October, 2016

Drawn by: CG

Sheet Size: A3

Realini Bader Associates Limited
72 Wellington Street, Freetown

Architects Engineers Planners

SL/ADB/E-406
Copper Air Terminal Base
25mm x 3mm Insulated Flat Copper Tape Conductor
DC Tape Fixing Clips
Test or Joint Clamp:
50mm² Single Core insulated Multi Stranded Green / Yellow Cable
Lightweight Inspection Box with Lid
Copper Rod Coupler
2 x 1800mm Threaded Pure Copper Rods

NOTES
Block Schematic for a "Hybrid" - Solar Electric, Generator & Utility Supply Combination System

- Solar Panels
- Charge Control
- Battery
- Inverter
- Battery Charger
- Transfer Switch
- 140kW AC Generator
- Utility Supply
- UPS & Lights

NOTES