

BUILDING SERVICES DRAWINGS OF
PROPOSED 02 STOREY BUILDING
**HA. ULIGAMU 8 CLASSROOMS, SCIENCE LAB
AND AV ROOM**
For Ministry Of Education















By Epoch Associates Pvt. Ltd







EPOCH

T: +960 333 3528 **E:** info@epoch.associates **W:** www.epoch.associates
A: 3rd Floor, G.Rosary West, Husnuheena Magu, Male' Republic of Maldives

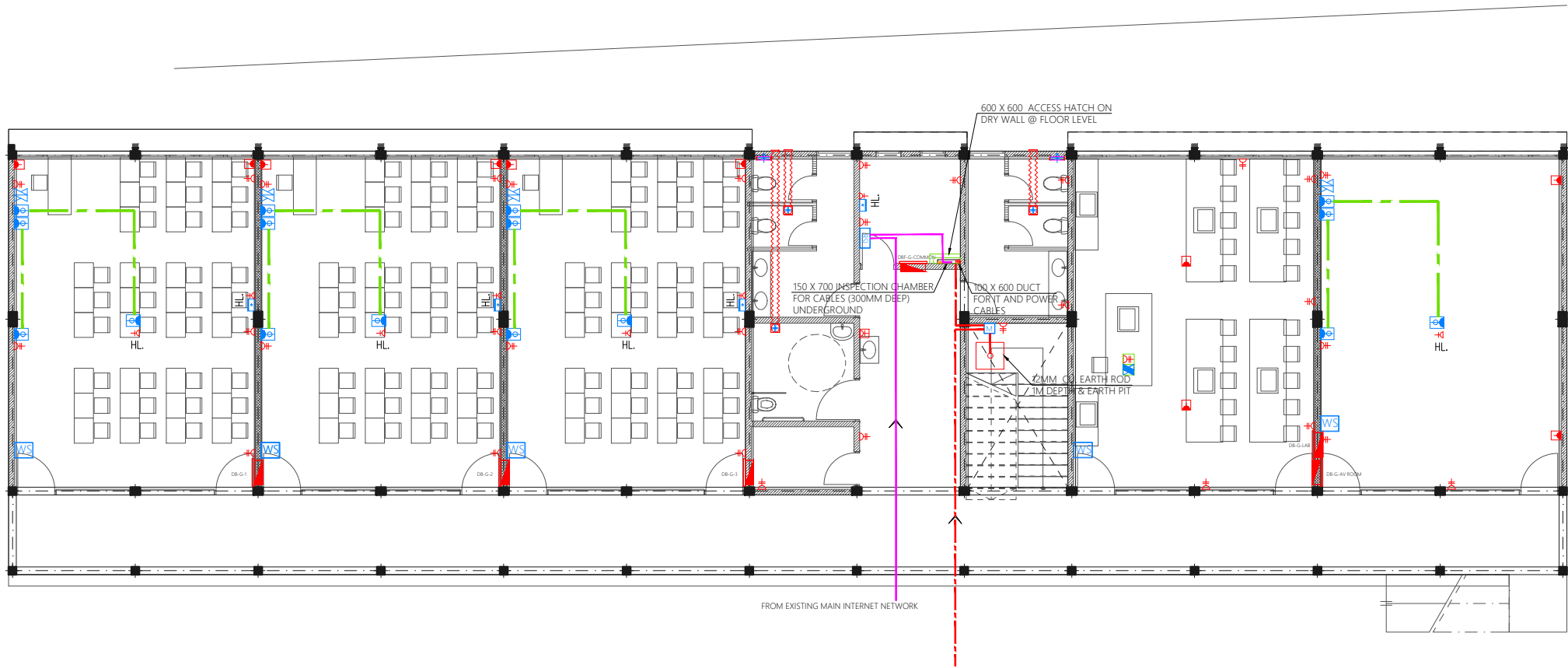
Legend

-  13A Twin Socket
-  13A Power Socket
-  15A Switched Socket @ H.L.
-  13A Power Socket in Weatherproof Polycarbonate Enclosure
-  Distribution Board
-  HL.
-  Emergency Light
-  WS
-  ISB
-  Electricity Meter
-  Computer Network Twin Outlet
-  HDMI Socket
-  Computer Network Twin Outlet In Floor Mount Pop-up Box
-  13A Twin Socket In Floor Mount Pop-up Box

-  Ceiling Mounted Exhaust Fan 90m3/hr
-  Wall Mounted Exhaust Fan
-  Main Incoming Cable For Power PVC Duct Below Ground
-  82Ø PVC Duct For Internet Cables Lead In Below Ground Slab

Notes: -

- All Twin Sockets At 300mm From F.F.L. Except Stated Otherwise
- All Computer, Telephone Points At 300mm From F.F.L.
- All electrical components shall be connected to respective Distribution Box in the same area as the component.
- All electrical components in common areas, corridors and staircase should be connected to Common Area DB
- Wall Speaker shall be connected to Public address system of school



PROPOSED 02 STOREY BUILDING
**8 Classrooms,
Science Lab and
AV Room.**
HA. Uligamu












Client:
Ministry Of Education





April 2021
Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**


EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

Rev: _____ Page: _____
--- ----- PAC-01
--- -----

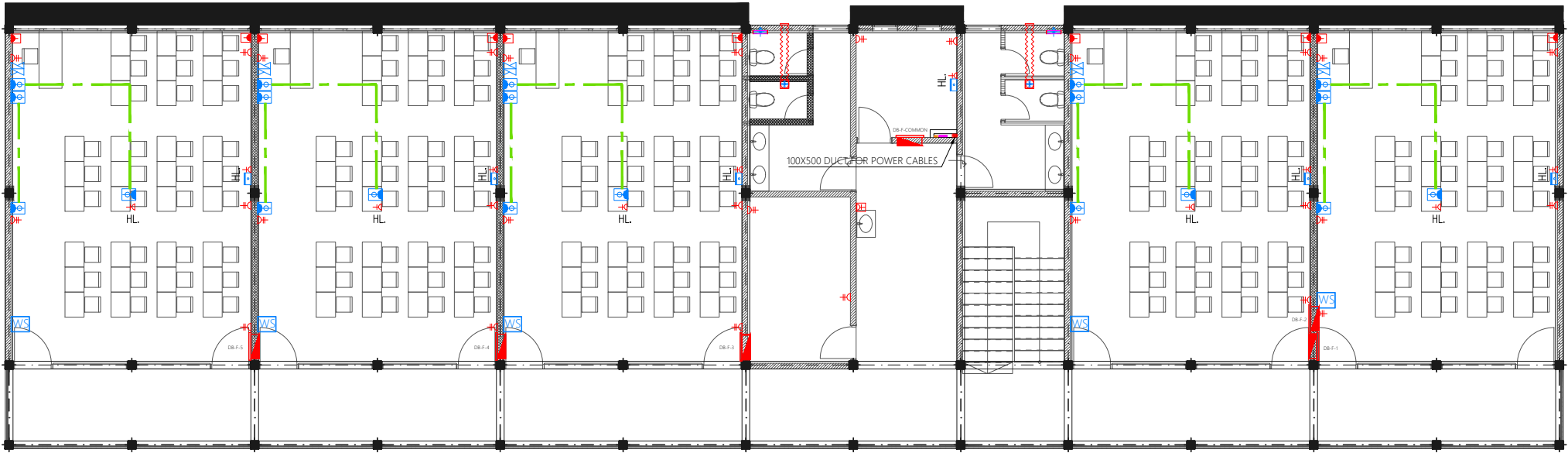
Legend

-  13A Twin Socket
-  13A Power Socket
-  15A Switched Socket @ H.L.
-  13A Power Socket in Weatherproof Polycarbonate Enclosure
-  Distribution Board
-  HL.
High Level
-  Emergency Light
-  WS
Wall Mounted Speaker
-  ISB
Internet Switchboard
-  M
Electricity Meter
-  Computer Network Twin Outlet
-  HDMI Socket
-  Computer Network Twin Outlet In Floor Mount Pop-up Box
-  13A Twin Socket In Floor Mount Pop-up Box

-  Ceiling Mounted Exhaust Fan 90m3/hr
-  Wall Mounted Exhaust Fan
-  Main Incoming Cable For Power PVC Duct Below Ground
-  82Ø PVC Duct For Internet Cables Lead In Below Ground Slab

Notes: -

- All Twin Sockets At 300mm From F.F.L. Except Stated Otherwise
- All Computer, Telephone Points At 300mm From F.F.L.
- All electrical components shall be connected to respective Distribution Box in the same area as the component.
- All electrical components in common areas, corridors and staircase should be connected to Common Area DB
- Wall Speaker shall be connected to Public address system of school



PROPOSED 02 STOREY BUILDING
**8 Classrooms,
Science Lab and
AV Room.
HA. Uligamu**

Client:
Ministry Of Education










April 2021

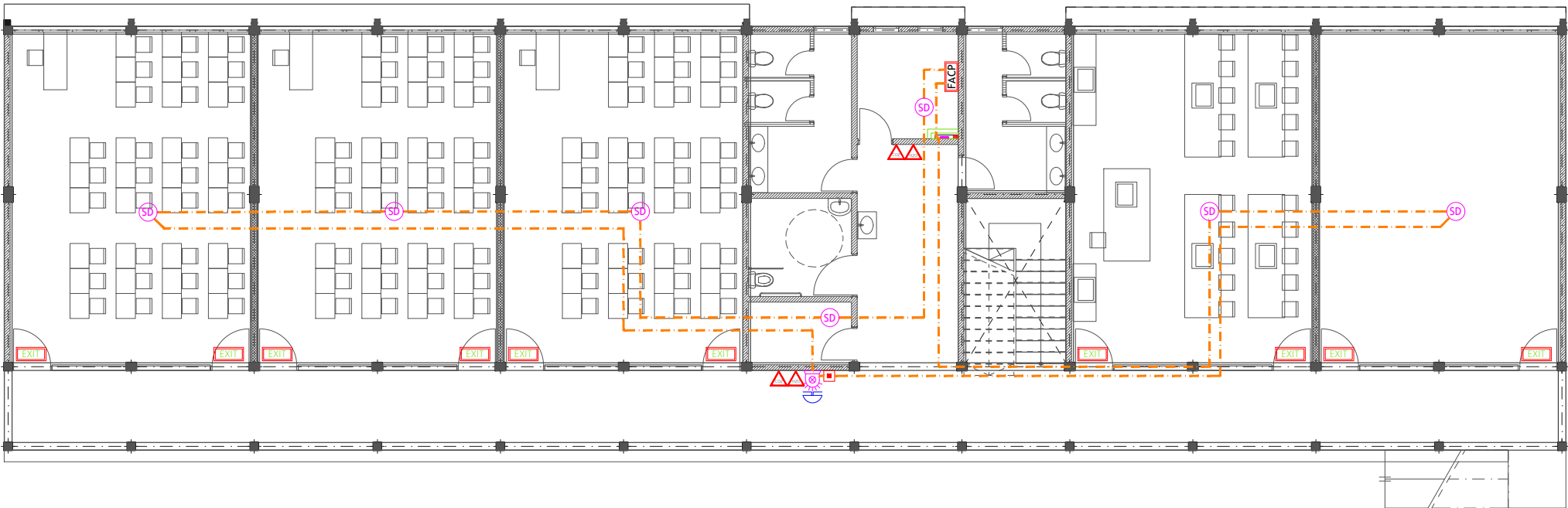
Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**


EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

Rev:	Page:
---	PAC-02
---	---

Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point (At 1200mm from F.F.L.)
-  Smoke Detector
-  Beacon
-  Sounder Bell
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
-  Fire Alarm Control Panel
-  Exit Sign



GROUND FLOOR FDP LAYOUT
1:150

PROPOSED 02 STOREY BUILDING
**8 Classrooms,
Science Lab and
AV Room.**
HA. Uligamu

Client:
Ministry Of Education










April 2021

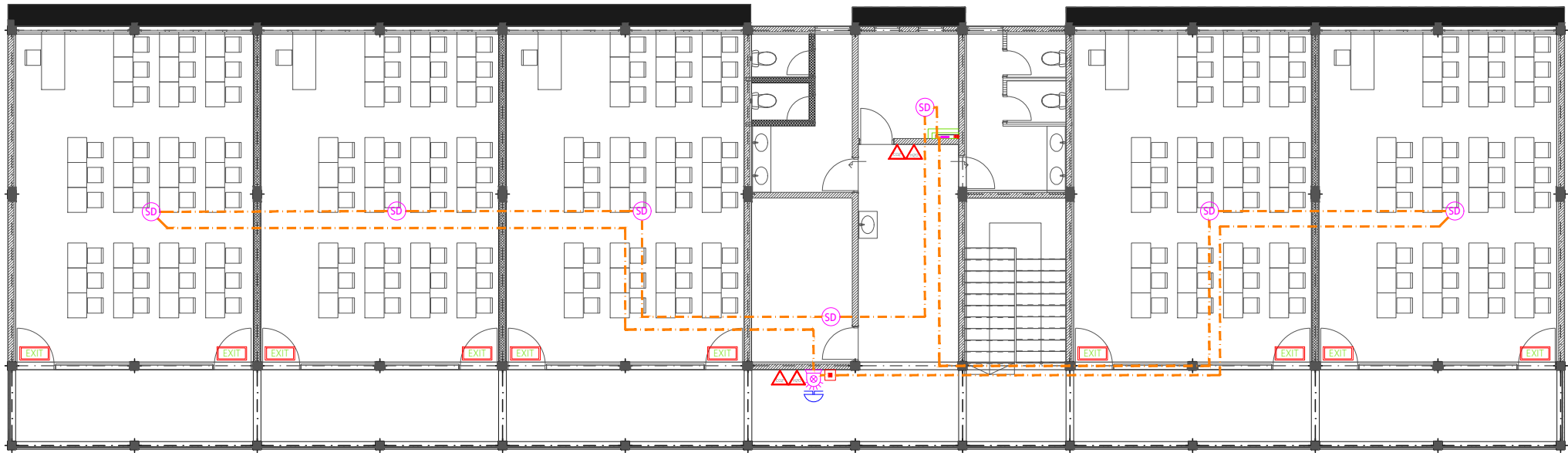
Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**


EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

Rev:	Page:
---	FDP -01

Legend

-  CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
-  H₂O Extinguisher (load: 9L) In Polycarbonate Enclosure
-  Manual Call Point (At 1200mm from F.F.L.)
-  Smoke Detector
-  Beacon
-  Sounder Bell
-  2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
-  Fire Alarm Control Panel
-  Exit Sign



FIRST FLOOR FDP LAYOUT
1:150

PROPOSED 02 STOREY BUILDING

**8 Classrooms,
Science Lab and
AV Room.
HA. Uligamu**

Client:
Ministry Of Education











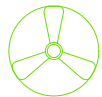
April 2021

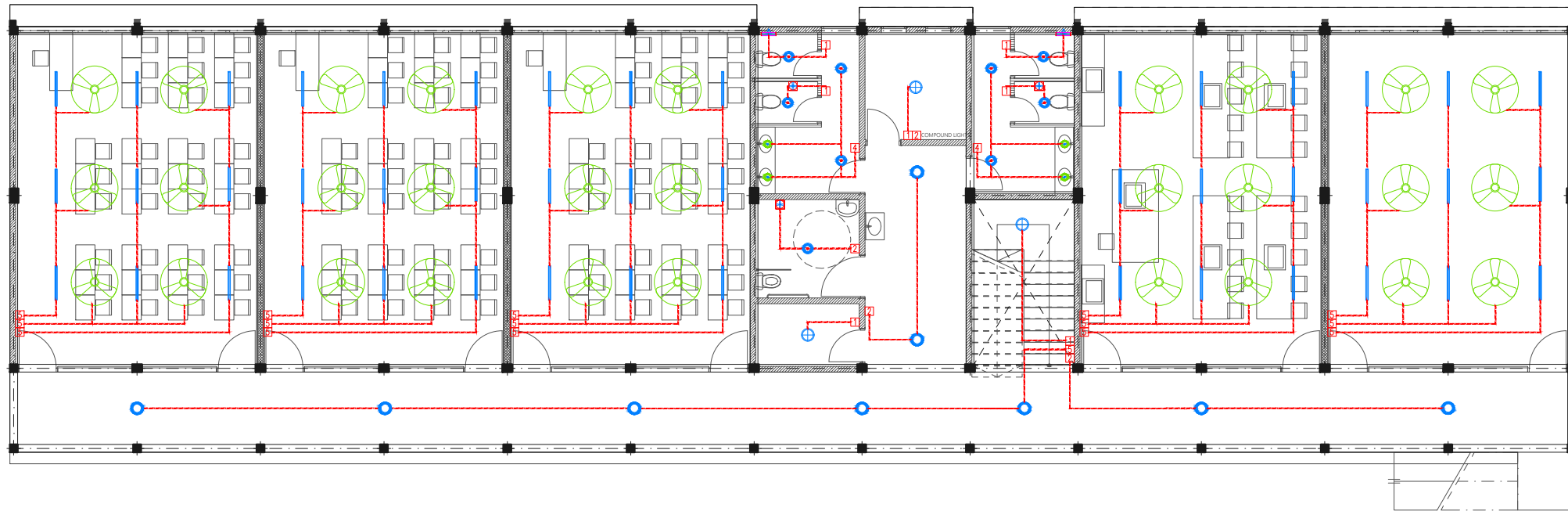
Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**


EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

Rev:	Page:
---	FDP -02

Legend

-  Ceiling Recessed Spot Light (3W)
-  Ceiling Light (12W)
-  Recessed Ceiling Light (12W)
-  Ceiling Down Light (18W) - Weather Proof
-  3 Ft Led Tube Light
-  100W, HPS, Wall Mounted Light, IP 65
-  Light and Fan Switch (1 Gang - 5 Gang)
-  Ceiling Fan Switch With Controller
-  Ceiling Mounted Exhaust Fan 90m3/hr
-  Wall Mounted Exhaust Fan
-  42" To 48" Ceiling Fan



GROUND FLOOR LIGHTING LAYOUT
1:150

PROPOSED 02 STOREY BUILDING

**8 Classrooms,
Science Lab and
AV Room.
HA. Uligamu**

Client:
Ministry Of Education

April 2021
Services By: Mohamed Rassam
Checked By:
Drawn By: Mohamed Zaidhan



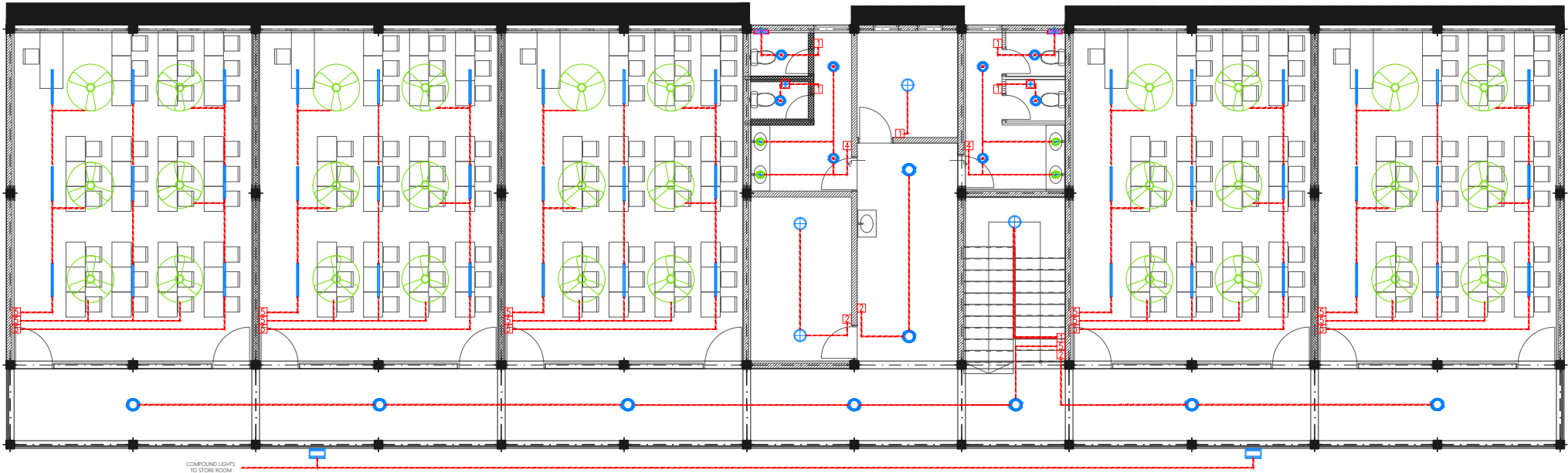
EPOCH

T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

Rev: ---
Page: EL -01

Legend

- Ceiling Recessed Spot Light (3W)
- Ceiling Light (12W)
- Recessed Ceiling Light (12W)
- Ceiling Down Light (18W) - Weather Proof
- 3 Ft Led Tube Light
- 100W, HPS, Wall Mounted Light,IP 65
- Light and Fan Switch (1 Gang - 5 Gang)
- Ceiling Fan Switch With Controller
- Ceiling Mounted Exhaust Fan 90m3/hr
- Wall Mounted Exhaust Fan
- 42" To 48" Ceiling Fan



PROPOSED 02 STOREY BUILDING

**8 Classrooms,
Science Lab and
AV Room.
HA. Uligamu**

Client:
Ministry Of Education

April 2021
Services By: Mohamed Rassam
Checked By:
Drawn By: Mohamed Zaidhan

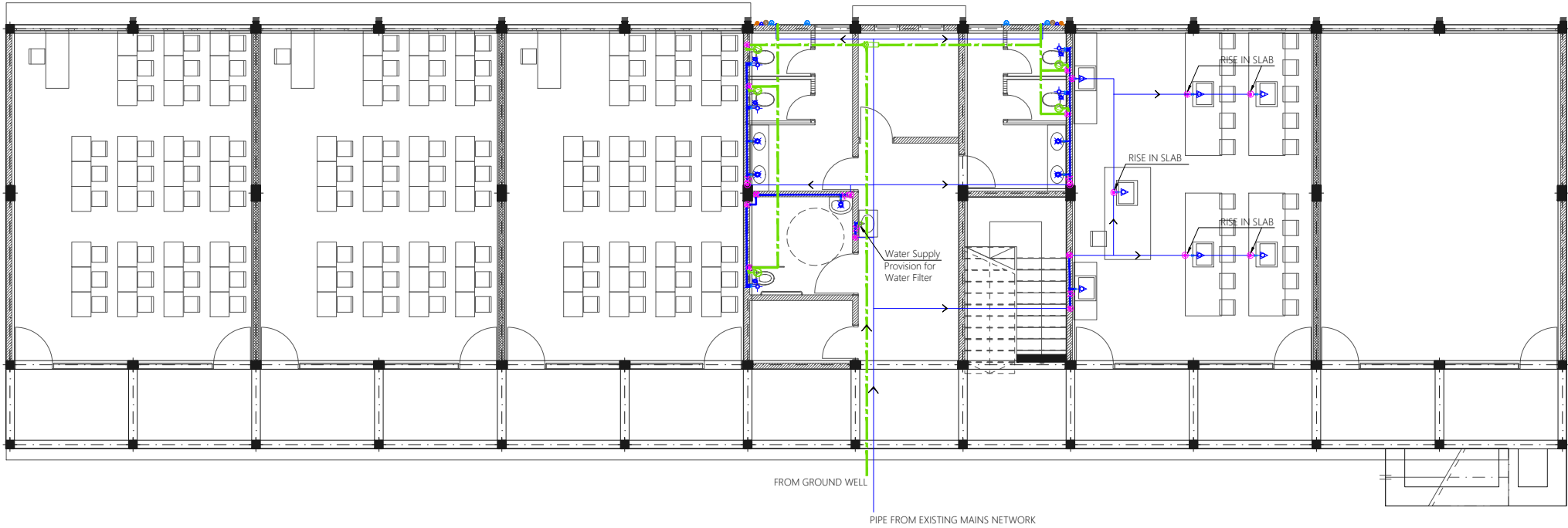
EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

Rev: ---
Page: EL -02

- Legend
- 16Ø Cold Water Supply To Basin Faucet
 - 16Ø Cold Water Supply To Bidet Shower
 - 16Ø Cold Water Supply To Cistern
 - Gate Valve
 - Rise In Wall
 - Drop In Wall
 - Angle Valve with cap for Ground Water Supply
 - 25Ø Cold Water Supply Pipes Running Underground
 - 20Ø Cold Water Supply Pipes Running In Wall
 - 20Ø Cold Water Supply Pipes Running Above False Ceiling
 - 20Ø Cold Water Supply Pipes Running Underground
 - 25Ø Ground Water Supply Pipes

Notes: -

- All Cold Water Pipes Should Be PVC
- All Hot Water Pipes Should Be PPR



PROPOSED 02 STOREY BUILDING
**8 Classrooms,
Science Lab and
AV Room.**
HA. Uligamu

Client:
Ministry Of Education

April 2021
Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**


EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

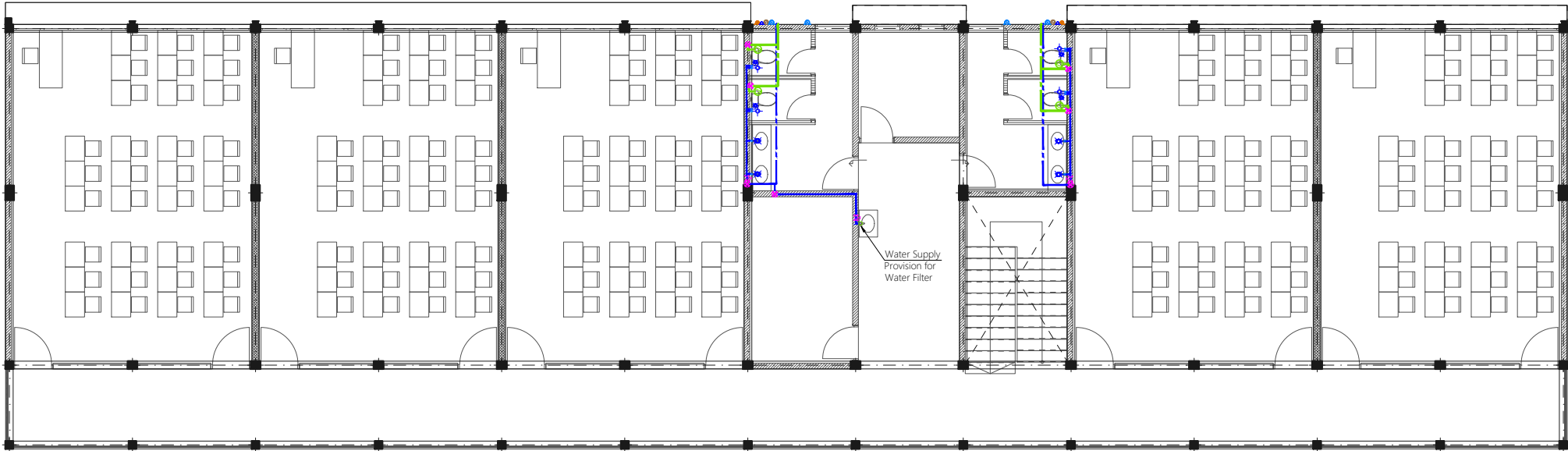
Rev:	Page:
---	PL -01

Legend

- 16Ø Cold Water Supply To Basin Faucet
- 16Ø Cold Water Supply To Bidet Shower
- 16Ø Cold Water Supply To Cistern
- Gate Valve
- Rise In Wall
- Drop In Wall
- Angle Valve with cap for Ground Water Supply
- 25Ø Cold Water Supply Pipes Running Underground
- 20Ø Cold Water Supply Pipes Running In Wall
- 20Ø Cold Water Supply Pipes Running Above False Ceiling
- 20Ø Cold Water Supply Pipes Running Underground
- 25Ø Ground Water Supply Pipes

Notes: -

- All Cold Water Pipes Should Be PVC
- All Hot Water Pipes Should Be PPR



PROPOSED 02 STOREY BUILDING

**8 Classrooms,
Science Lab and
AV Room.
HA. Uligamu**

Client:
Ministry Of Education

April 2021

Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**

EPOCH

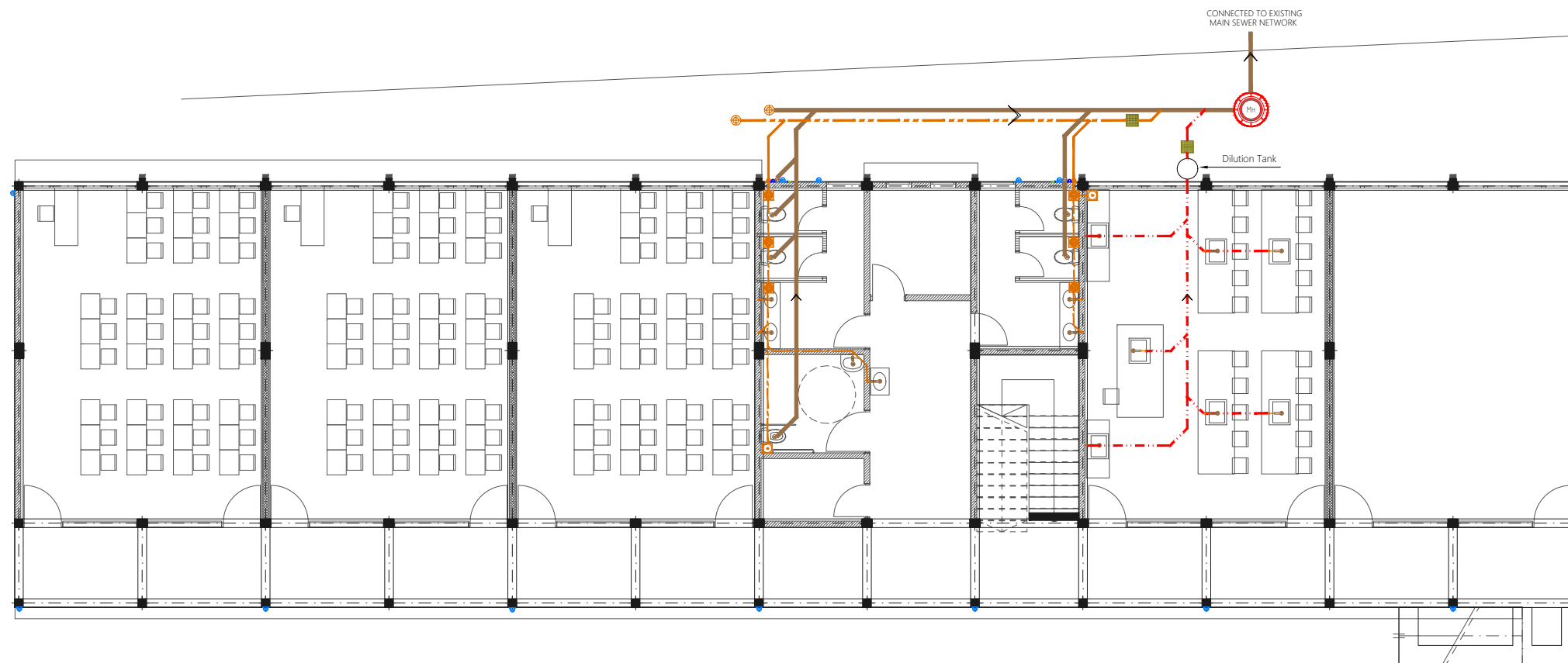
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

Rev: ---
Page: PL -02

- Legend
- Floor Drain
 - Floor Gully
 - 110Ø Soil Pipe (uPVC Pipe)
 - 110Ø Soil Vent Pipe (uPVC Pipe)
 - 82Ø Waste Pipe (uPVC Pipe)
 - 82Ø Waste Vent Pipe (uPVC Pipe)
 - 40Ø Waste Pipe (uPVC Pipe)
 - 82Ø Lab Waste Pipe (CPVC Pipe)
 - 82Ø Lab Waste Vent Pipe (CPVC Pipe)
 - 63Ø Manhole Vent Pipe (uPVC Pipe)
 - 110Ø Rain Water Pipes (uPVC Pipe)
 - Rodding Eye
 - Bottle Trap
 - Manhole
 - Gully Trap

Notes: -

- All Drainage Pipes Should Have At A Slope Of 1/150
- All Floor Drains Should Have 'P' Traps



GROUND FLOOR DRAINAGE LAYOUT

1:150

PROPOSED 02 STOREY BUILDING
**8 Classrooms,
Science Lab and
AV Room.**
HA. Uligamu

Client:
Ministry Of Education

April 2021

Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**



EPOCH

T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

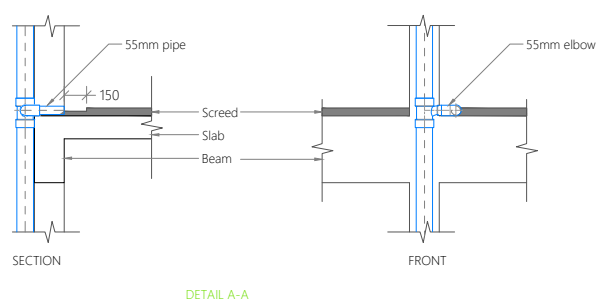
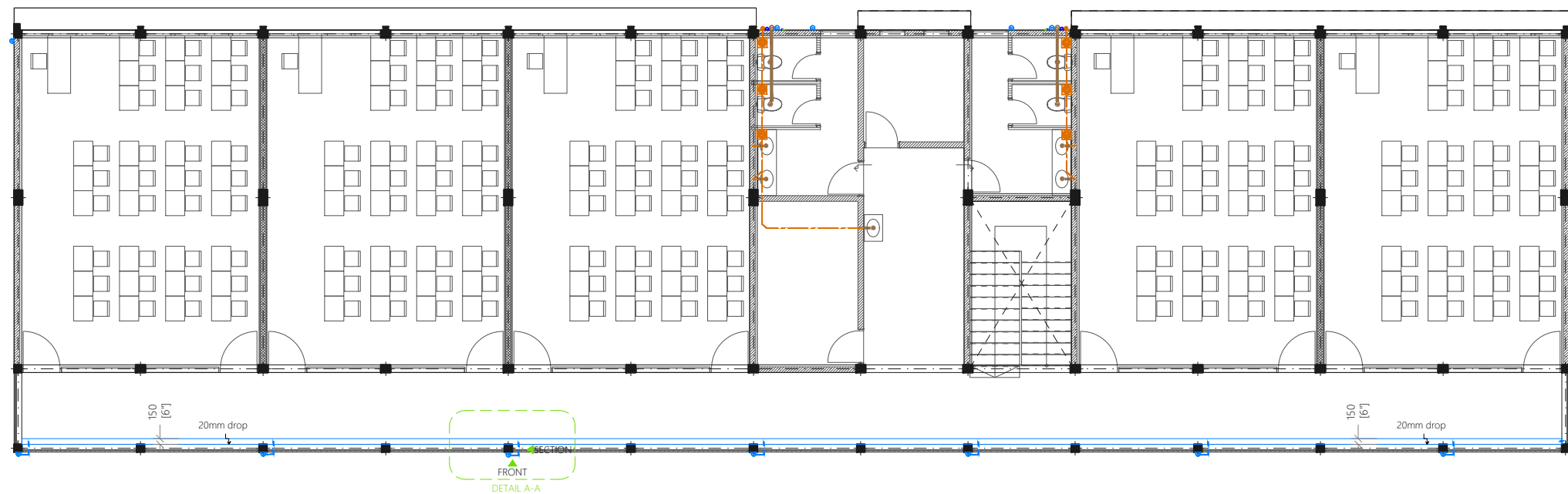
Rev:	Page:
---	DR -01

Legend

- Floor Drain
- Floor Gully
- 110Ø Soil Pipe (uPVC Pipe)
- 110Ø Soil Vent Pipe (uPVC Pipe)
- 82Ø Waste Pipe (uPVC Pipe)
- 82Ø Waste Vent Pipe (uPVC Pipe)
- 40Ø Waste Pipe (uPVC Pipe)
- 82Ø Lab Waste Pipe (CPVC Pipe)
- 82Ø Lab Waste Vent Pipe (CPVC Pipe)
- 63Ø Manhole Vent Pipe (uPVC Pipe)
- 110Ø Rain Water Pipes (uPVC Pipe)
- Rodding Eye
- Bottle Trap
- Manhole
- Gully Trap

Notes: -

- All Drainage Pipes Should Have At A Slope Of 1/150
- All Floor Drains Should Have 'P' Traps



PROPOSED 02 STOREY BUILDING
**8 Classrooms,
Science Lab and
AV Room.**
HA. Uligamu

Client:
Ministry Of Education
















April 2021
Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**



EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives

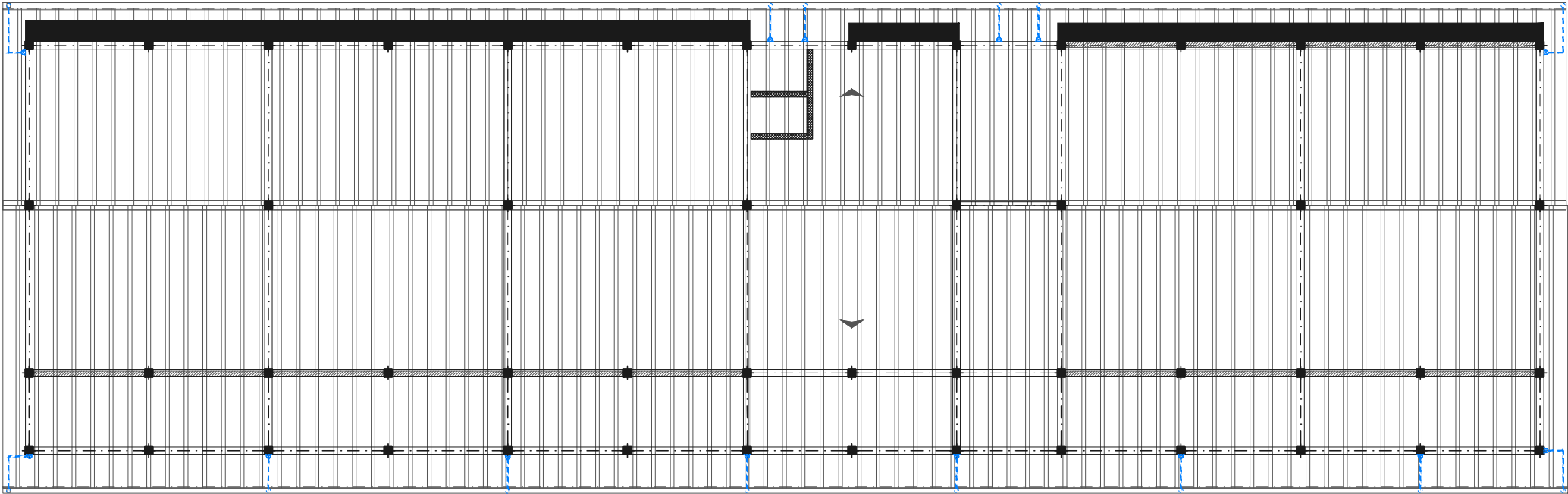
Rev:	Page:
---	DR -02

Legend

-  Floor Drain
-  Floor Gully
-  110Ø Soil Pipe (uPVC Pipe)
-  110Ø Soil Vent Pipe (uPVC Pipe)
-  82Ø Waste Pipe (uPVC Pipe)
-  82Ø Waste Vent Pipe (uPVC Pipe)
-  40Ø Waste Pipe (uPVC Pipe)
-  82Ø Lab Waste Pipe (CPVC Pipe)
-  82Ø Lab Waste Vent Pipe (CPVC Pipe)
-  63Ø Manhole Vent Pipe (uPVC Pipe)
-  110Ø Rain Water Pipes (uPVC Pipe)
-  Rodding Eye
-  Bottle Trap
-  Manhole
-  Gully Trap

Notes: -

- All Drainage Pipes Should Have At A Slope Of 1/150
- All Floor Drains Should Have 'P' Traps



PROPOSED 02 STOREY BUILDING
**8 Classrooms,
Science Lab and
AV Room.**
HA. Uligamu

Client:
Ministry Of Education

April 2021
Services By: **Mohamed Rassam**
Checked By:
Drawn By: **Mohamed Zaidhan**


EPOCH
T: +960 333 3528, E: info@epoch.associates
W: www.epoch.associates, A: G. Rosary West,
Husnuheena Magu, Male' Republic of Maldives