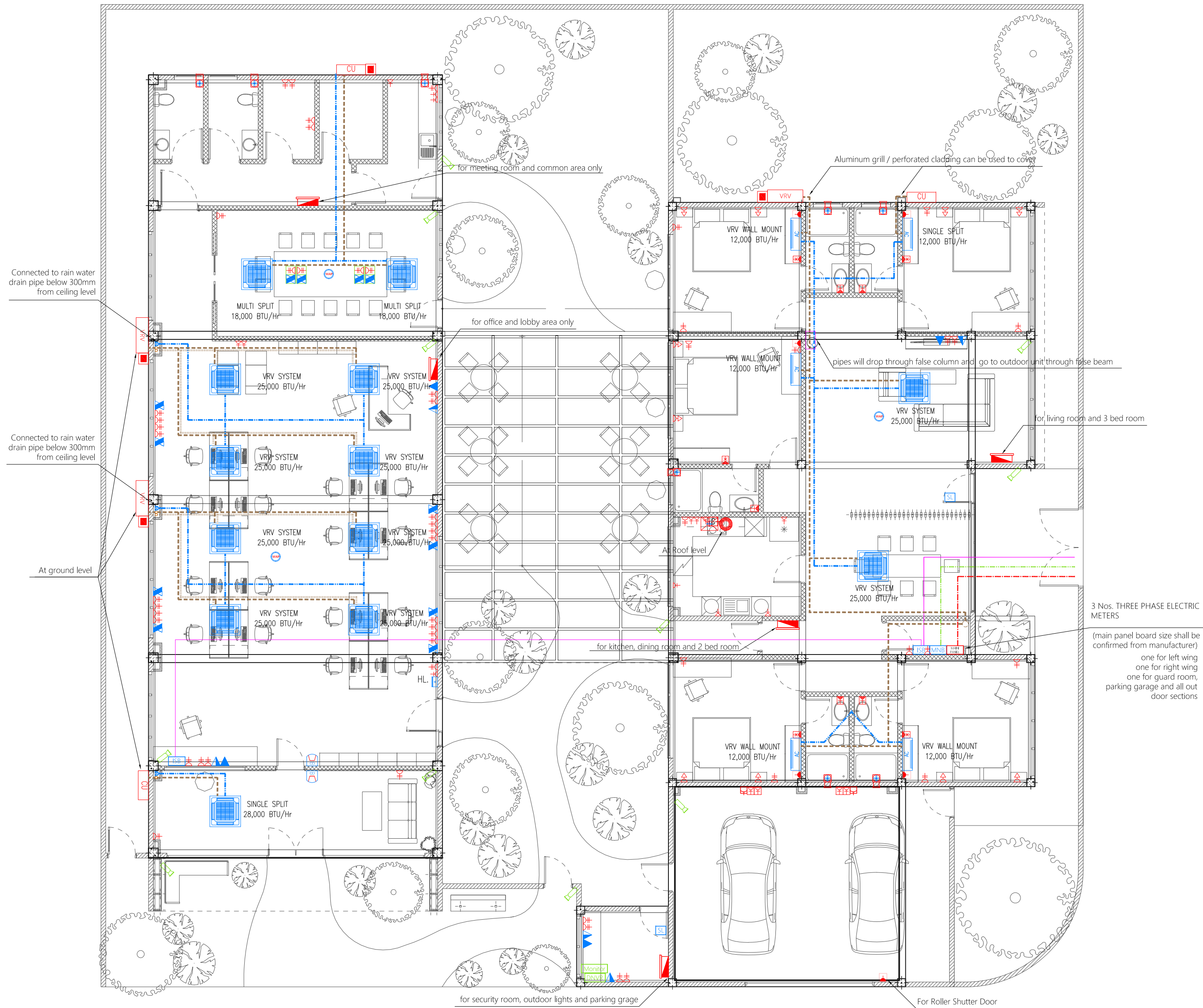




N.Maafaru Customs Building Design

BUILDING SERVICES DRAWINGS

Maldives Customs Service



- Legend

 - 13A Twin Socket
 - 13A Twin Socket In Floor Mount Pop-up Box
 - 13A Universal Twin Socket
 - 15A Switched Socket @ H.L.
 - 15A Socket In Polycarbonate Box
 - 15A Switch @ 1200mm From F.F.L.
 - Shaver Socket For Toilets Only At 1000mm From F.F.L.
 - 20A Switched Neon Indicator For Electric Water Heater
 - 13A Power Socket
 - 13A Power Socket in Weatherproof Polycarbonate Enclosure
 - 15A Cooker Socket 300mm From F.F.L.
 - Distribution Board
 - HL.
 - Angular Camera
 - Digital/network Video Recorder
 - Security Monitor
 - 82Ø PVC Duct For Tel./Internet Cable Lead In Below Ground Slab
 - 82Ø PVC Duct For TV Cable Lead In Below Ground Slab
 - Main Incoming Cable For Power In 110Ø PVC Duct Below Ground Slab
 - Roof Turbine Vent
 - 20A TPN Isolator
- Legend

 - Video Phone - Door Operating System
 - Main Panel Of Video Door Phone System
 - Power Unit Of Video Door Phone System
 - Push Button
 - Internet Switchboard
 - Medianet Booster
 - Telephone Outlet
 - Computer Network Outlet
 - TV Socket Outlet
 - Emergency Light
 - IT Distribution Board
 - Twin Computer Network Outlet
 - Wireless Access Point
 - Computer Network Outlet In Floor Mount Pop-up Box
 - Biometric Door Lock With Card Reader at 1100
 - Electronic Digital Smart Key Card Door Lock

Notes: -

 - All 13A Power Outlets For Kitchen Hood Or Under Cabinet Or Wardrobe Lights At 1800mm From F.F.L.
 - All Twin Sockets At 300mm From F.F.L. Except Located At Kitchen Cupboard Area Which Shall Be At 1200mm From F.F.L.
 - All Computer, TV And Telephone Points At 300mm From F.F.L.
 - All 20A Switched Neon Indicator At 1200mm From F.F.L.

- Legend

 - Refrigerant Pipes
 - 25Ø Condensate Drain Pipe
 - 40Ø Condensate Drain Riser Pipe
 - Kitchen Hood
 - Wall Mount Air Conditioner
 - 4-Way Cassette Air Conditioner
 - Outdoor Condensing Unit
 - Outdoor VRV Hitachi Condensing Unit

Notes: -

Where Condensate Drain Pipes Are Connected To Wash Basin Or Kitchen Sink, 25 Ø Condensate Drain Pipe Is Extended In 32 Ø Flex Conduit Into 40 Ø Waste Pipe Of Respective Basin Or Sink

Proposed 01 Storey Building At

N.Maafaru Customs Building Design

Client

Maldives Customs Service

17/07/2022

Services By **Mohamed Rassam**

Checked By **-**

Drawn By **Mohamed Nazran Nazeer**



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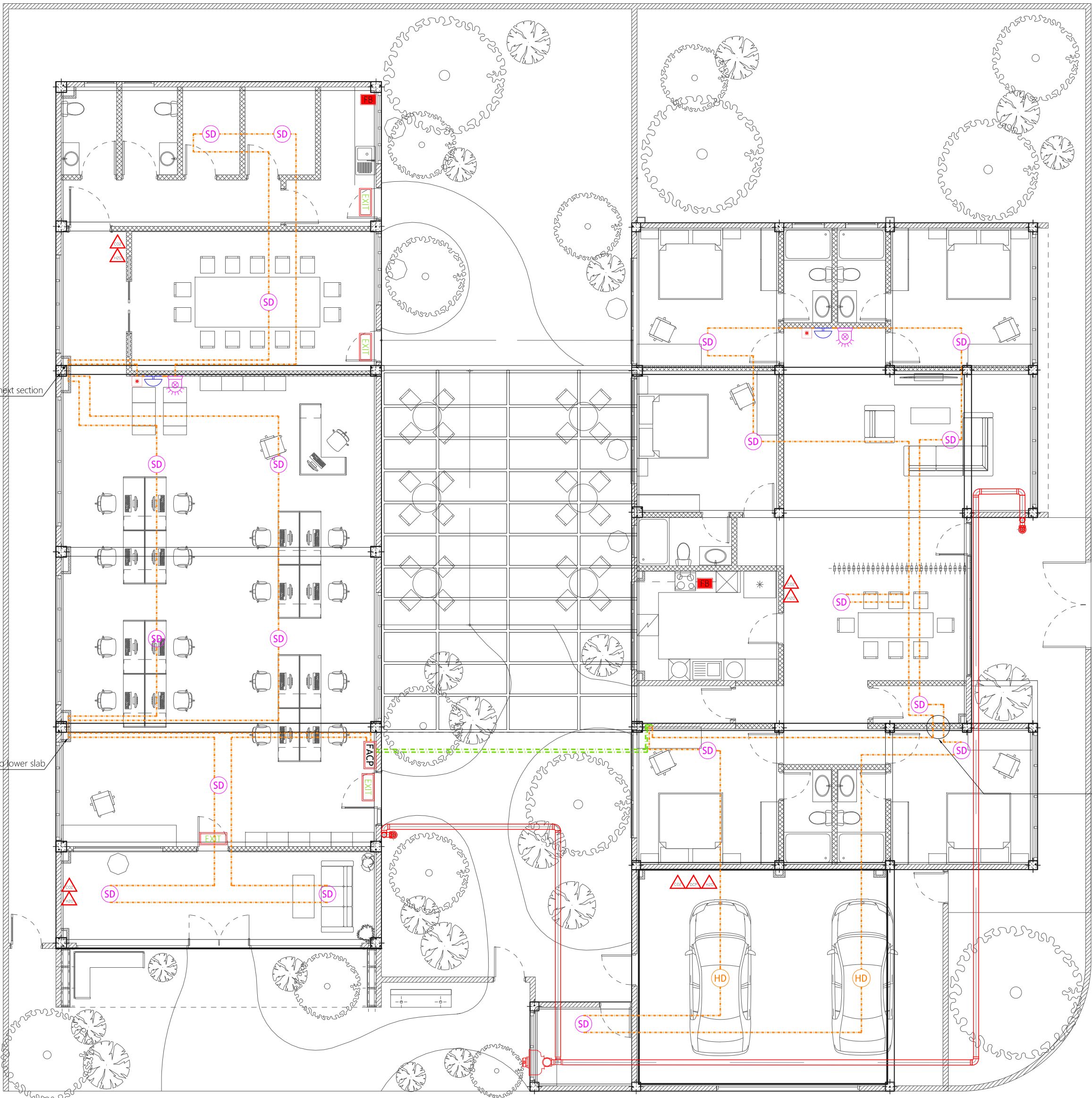
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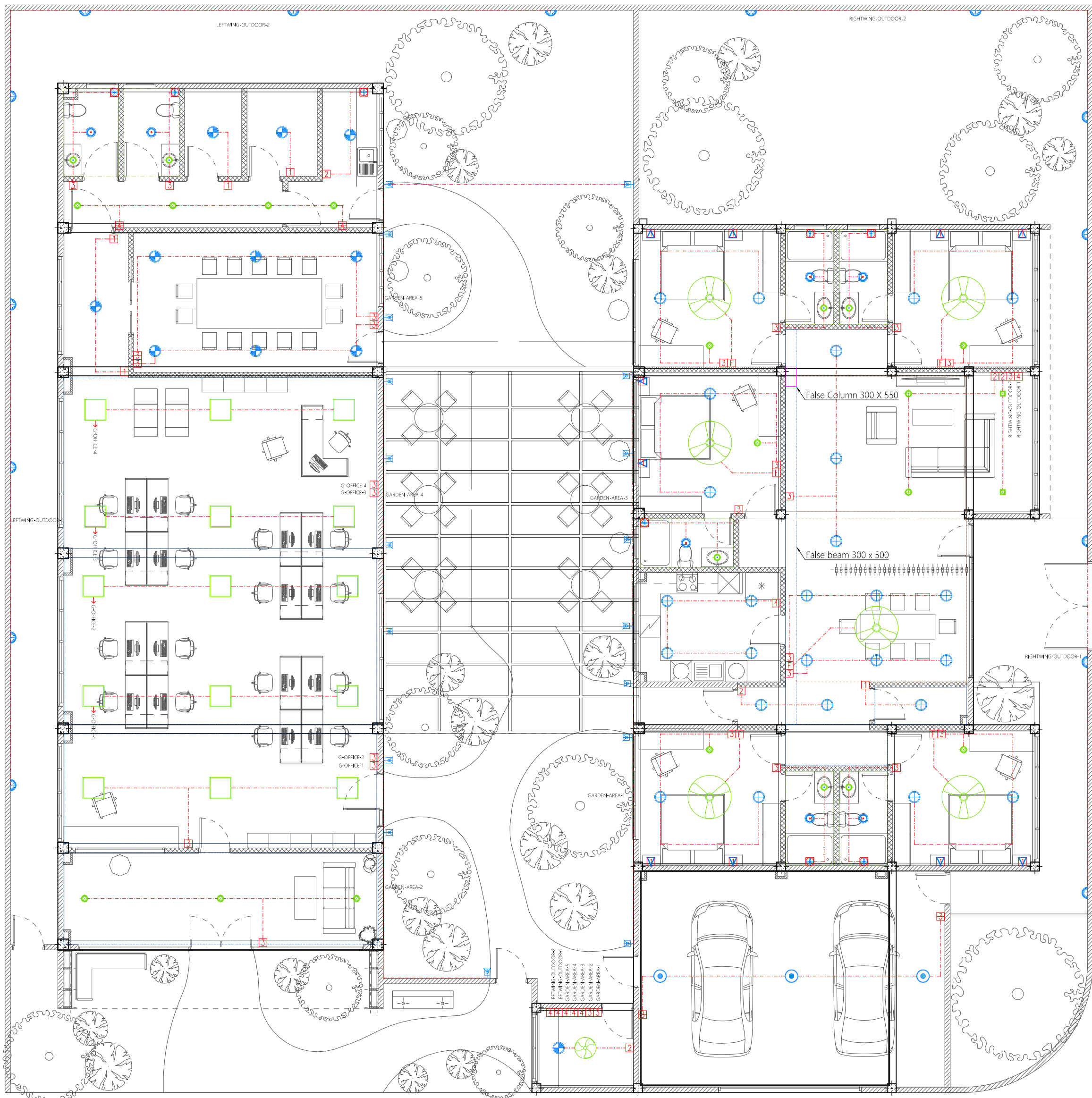
- CO₂ Extinguisher (load: 2kg) In Polycarbonate Enclosure
- DCP Extinguisher (load: 6kg) In Polycarbonate Endosure
- H₂O Extinguisher (load: 9L) In Polycarbonate Endosure
- Manual Call Point
- Smoke Detector
- Heat Detector
- Beacon
- Sounder Bell (85 DB)
- Fire Blanket
- 2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits
- 2.5mm² Fire Retardant Low Smoke (FRLS) Cables In FRLS Conduits Running Underground
- FACP Fire Alarm Control Panel (Addressable)
- EXIT Exit Sign
- Elide Fire Ball Extinguisher (80-100 ft)
- 30m Horse Reel
- Landing Valve

1. ALL DRY RISER PIPES SHOULD BE GALVANIZED, SCHEDULE 40.
2. ALL DRY RISER PIPES SHALL BE PAINTED IN RED AS PER REGULATION.
3. ALL SUPPORT/BACKET SHALL BE HOT DIPPED GALVANIZED.

ALL FIRE RATED DOOR SHOULD COME WITH PACKING (EXPANSION SEAL TRAP)

1. ALL DRY RISER AND HOSE REEL PIPES SHOULD BE GALVANIZED, SCHEDULE 40.
2. ALL DRY RISER AND HOSE REEL PIPES SHALL BE PAINTED IN RED AS PER REGULATION.
3. ALL SUPPORT/BACKET SHALL BE HOT DIPPED GALVANIZED.
4. WATER SUPPLY TO HOSE REEL SYSTEM SHOULD BE SUCH THAT WHEN THE TWO TOP MOST REELS IN THE BUILDING ARE IN USE SIMULTANEOUSLY, EACH SHOULD PROVIDE A JET OF APPROXIMATELY 6M IN LENGTH AND WILL DELIVER NOT LESS THAN 0.5 LITRE/S (30 LITRE/MIN).





Legend

- Ceiling Light (18W)
- Ceiling Light (12W)
- Recessed Ceiling Light (12W)
- Wall Light - Weather Proof Ip55 (low Level 8W)
- Weather Proof Wall Light IP55 (12W)
- Night Light (6W)
- Ceiling Recessed Spot Light (3W)
- Ceiling Mount Spot Light (5W)
- Ceiling Recessed Spot Light (7W)
- Ceiling Mount Spot Light (7W)
- 150W, HPS, Low Bay Light
- Light Switch (1 Gang - 4 Gang)
- Two Way Light Switches (1 Gang - 4 Gang)
- Ceiling Fan Switch With Controller
- Two Way Ceiling Fan Switch With Controller
- Cement Board False Ceiling [200mm below beam bottom]
- Plaster Board False Ceiling [200mm below beam bottom]
- Plaster Board False Ceiling [at roof beam bottom level]
- 600 x 600 Ceiling Recessed LED Panel

- Oscillating Ceiling Fan
- 42" To 48" Ceiling Fan
- Ceiling Mounted Exhaust Fan 90m3/hr

GROUND FLOOR LIGHTING LAYOUT

1:100

Proposed 01 Storey Building At
**N.Maafaru
Customs Building
Design**

Client
Maldives Customs Service

17/07/2022

Services By **Mohamed Rassam**
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Drawn By **Mohamed Nazran Nazeer**



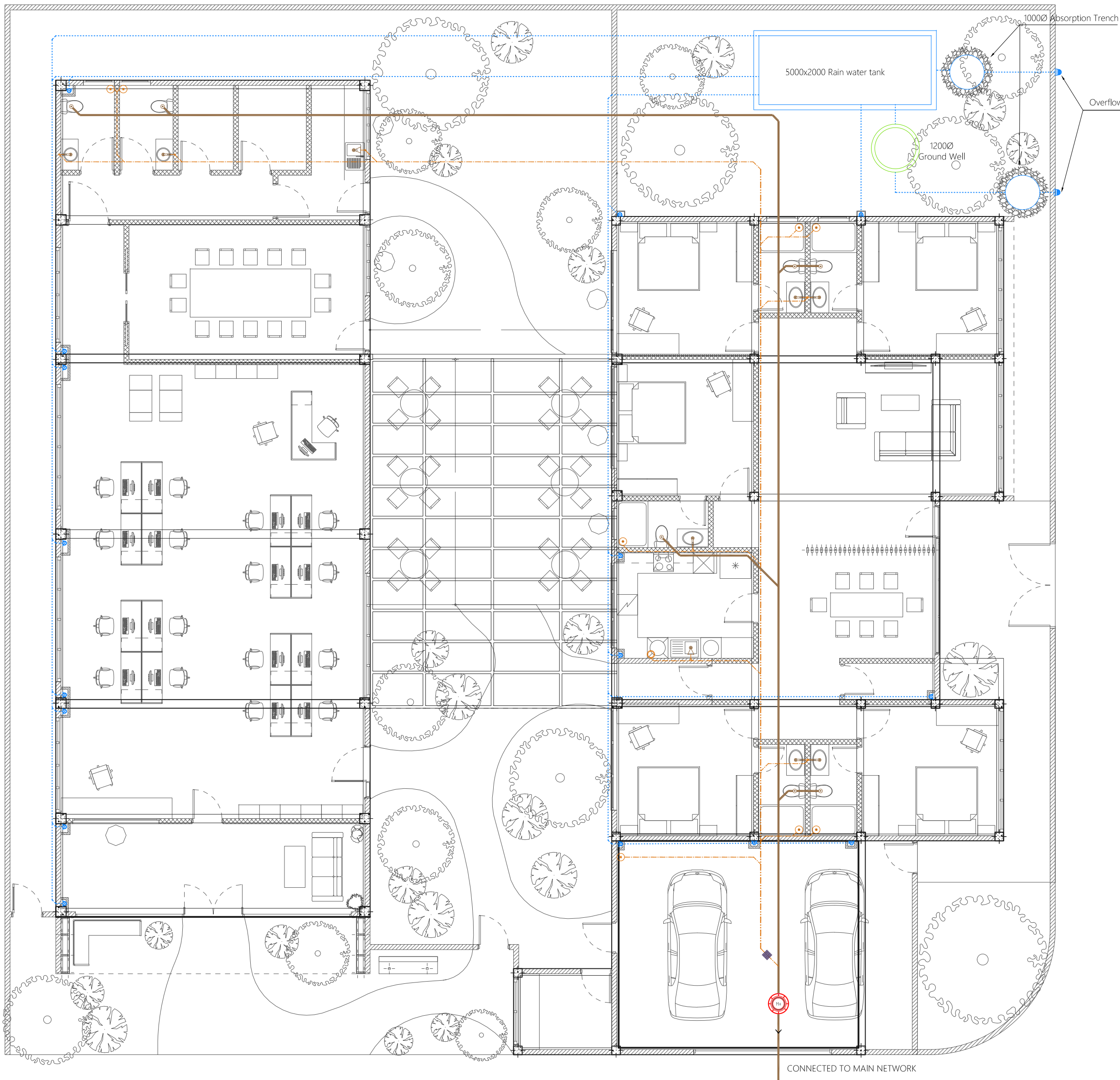
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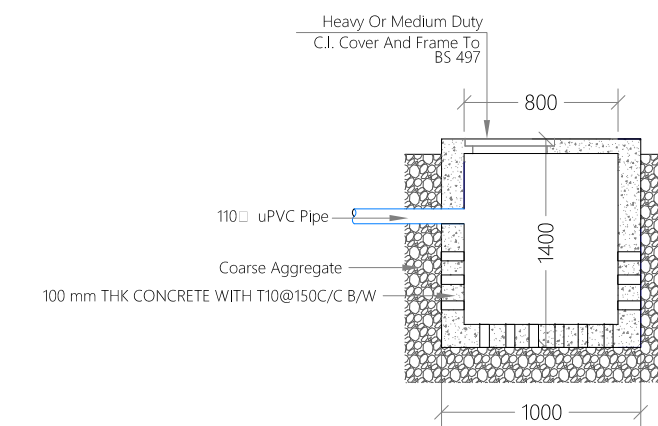
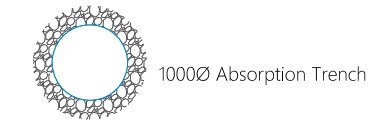


- Legend**
- Floor Drain
 - ⊕ Floor Gully
 - 400 Stub For Washing Machine Or Tub
 - 820 Soil Pipe (uPVC Pipe)
 - 820 Soil Vent Pipe (uPVC Pipe)
 - 630 Waste Pipe (uPVC Pipe)
 - 630 Waste Vent Pipe (uPVC Pipe)
 - 400 Waste Pipe (uPVC Pipe)
 - 500 Manhole Vent Pipe (uPVC Pipe)
 - 820 Rain Water Pipes (uPVC Pipe)

- ⊕ Manhole
- ⊕ Gully Trap
- ⊕ 1100 Rainwater Outlet Perforated Cowl
- ⊕ 1100 Rainwater Outlet
- ⊕ Rodding Eye
- ⊕ Clean Out Point
- ⊕ Bottle Trap
- ⊕ Bottle Trap For Sink

Notes: -

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



ABSORPTION TRENCH SECTION

Proposed 01 Storey Building At

N.Maafaru Customs Building Design

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Maldives Customs Service

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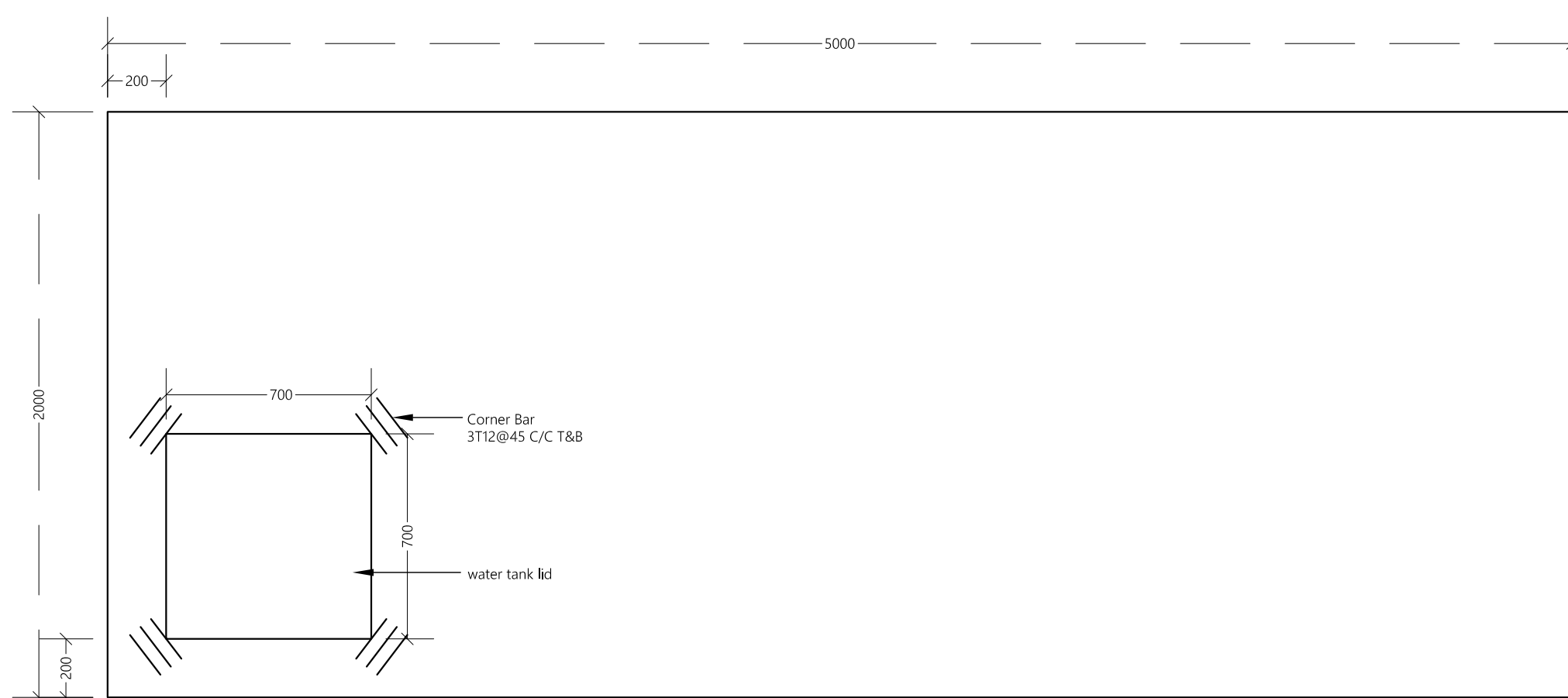
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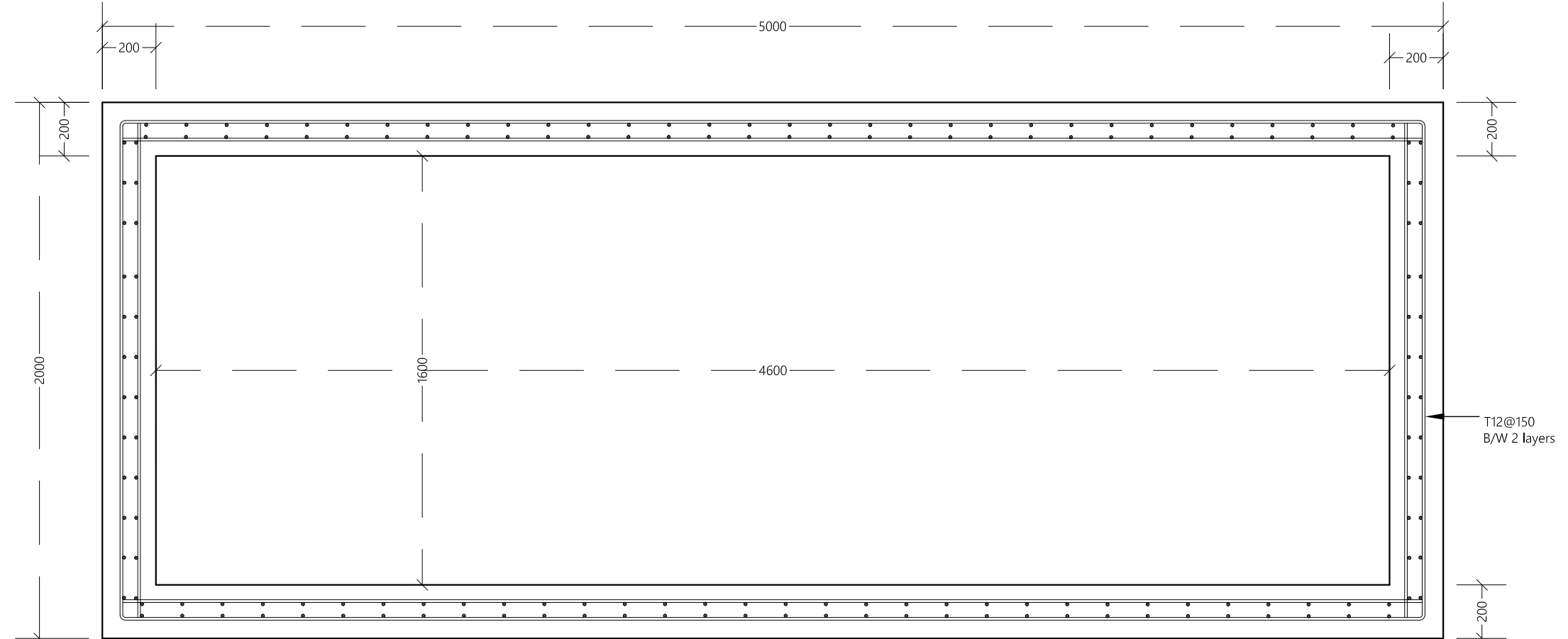
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GROUND FLOOR DRAINAGE LAYOUT

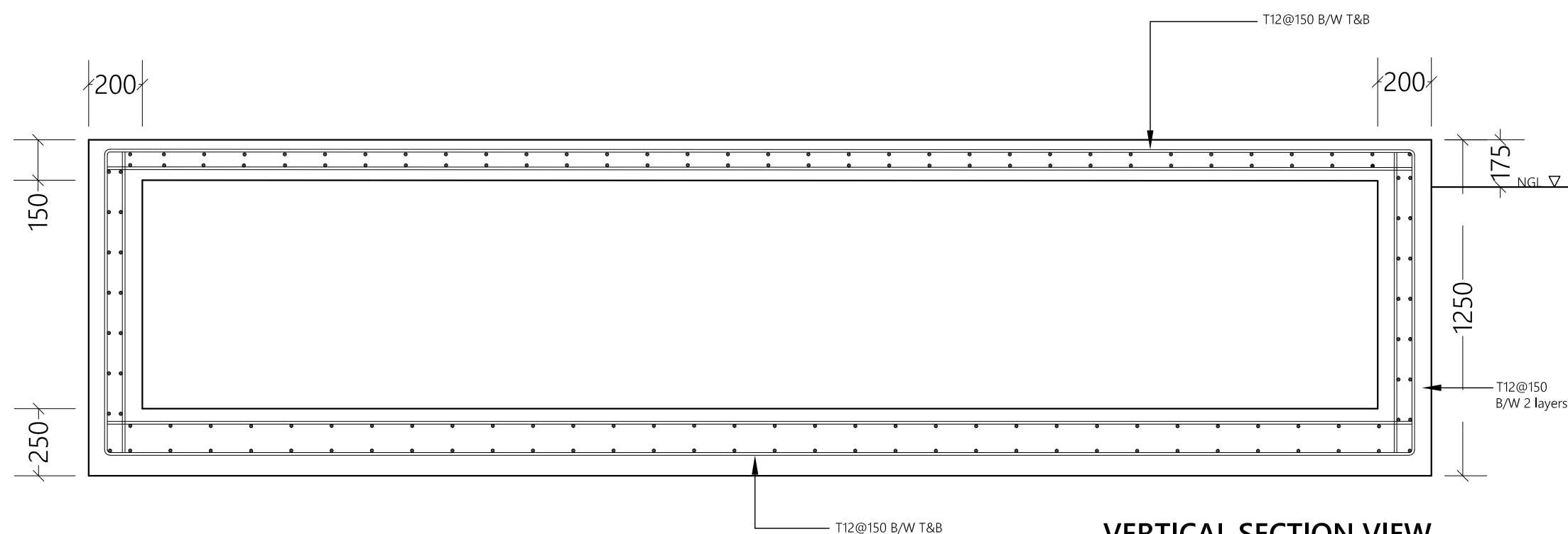
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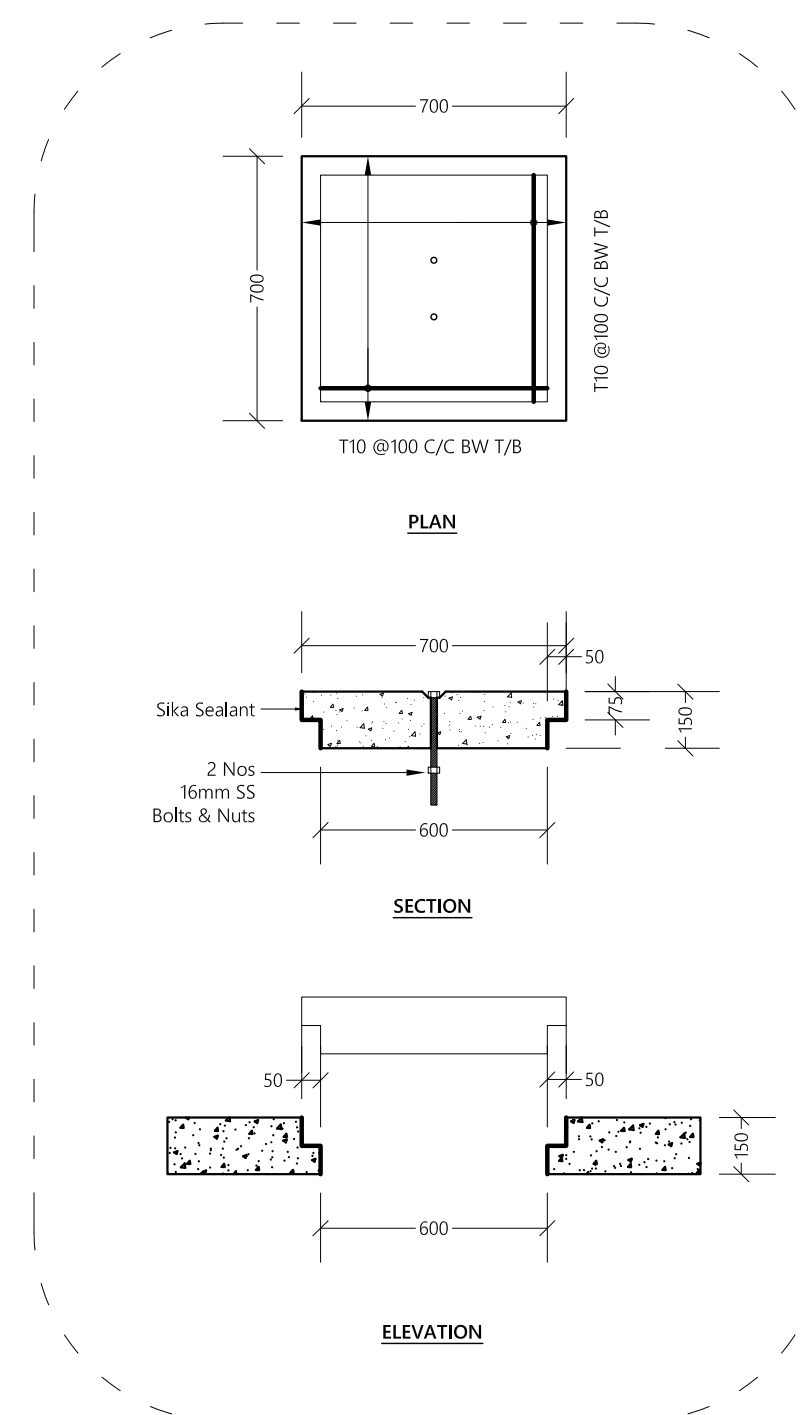
RAINWATER TANK PLAN VIEW
1:20



HORIZONTAL SECTION VIEW
1:20



VERTICAL SECTION VIEW
1:20



WATER TANK LID DETAILS
1:20

Proposed 01 Storey Building At
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Customs Building
Design**

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Maldives Customs Service

17/07/2022

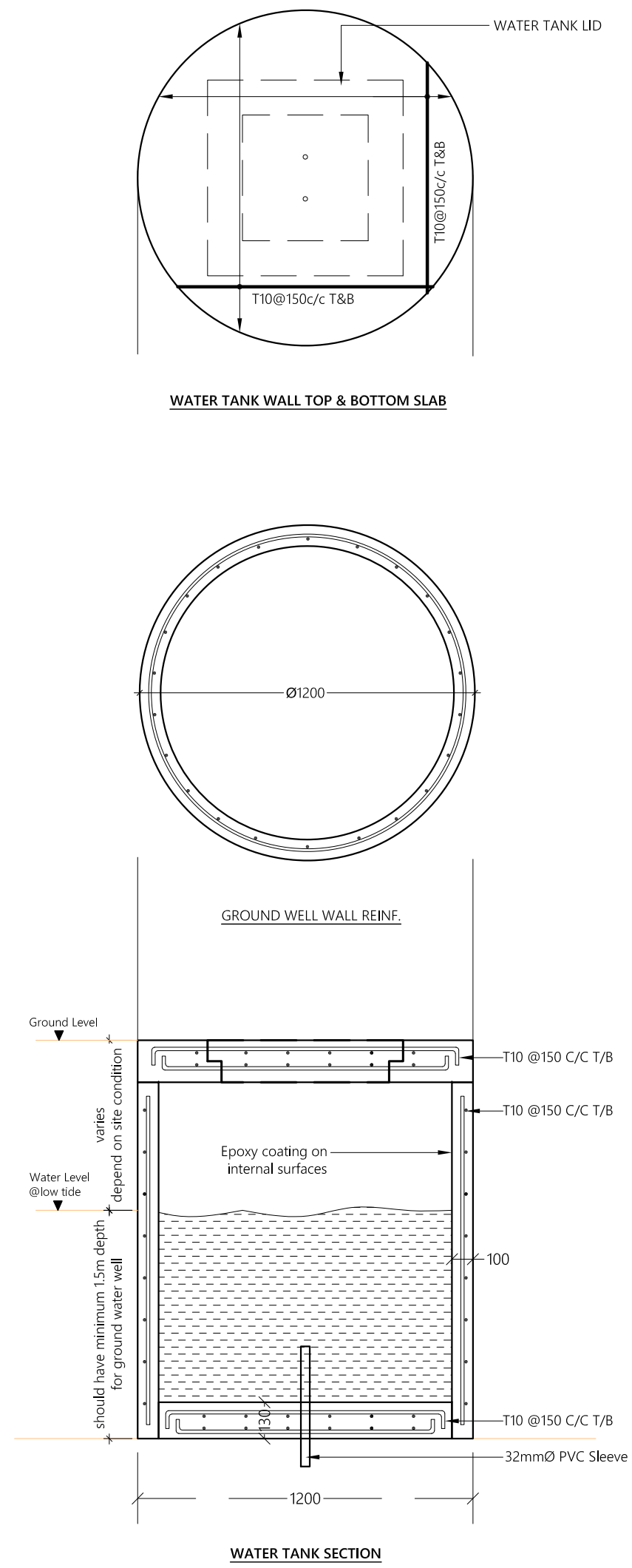
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Drawn By **Mohamed Nazran Nazeer**



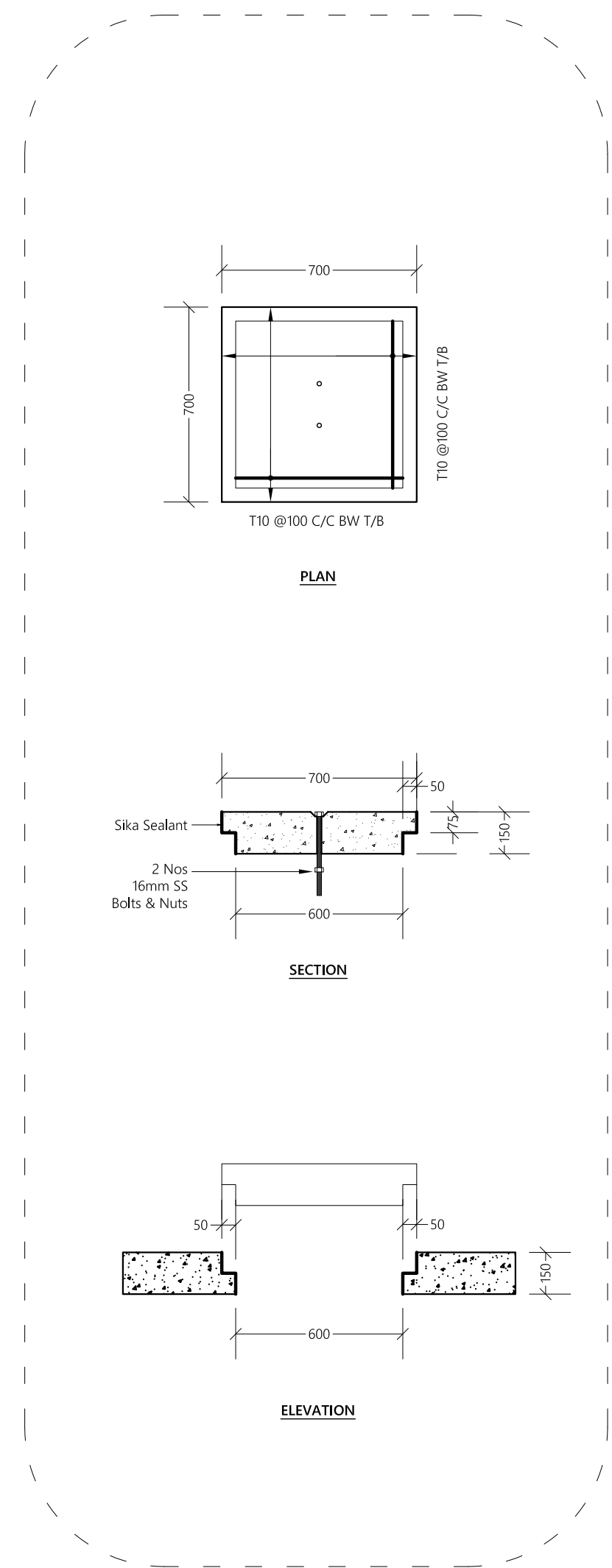
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GROUND WATER WELL DETAILS
1:20



GROUND WATER WELL LID DETAILS
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