

SITE PLAN
SCALE 1:100

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

BRG. GEN. AHMED SHAHID
VICE CHIEF OF DEFENCE FORCE

RECOM. APPROVAL:

CPT. AHMED SHARIM
OFFICER COMMANDING

APPROVED:

MAJ. GEN. AHMED SHIYAM
CHIEF OF DEFENCE FORCE

APPROVED DATE:

DESIGNED:

PTE. MOHAMED SAIF
Architectural

CPL. AHMED SHAZEEL
Structural

CHECKED:

FLT. MOHAMED SHIFAU
Architectural

Structural

Electrical & Mechanical

Communication

DRAWN:

LCPL. ALI MUTHASIM

17 September 2015

DATE

SCALE:

1:100

REVISION:

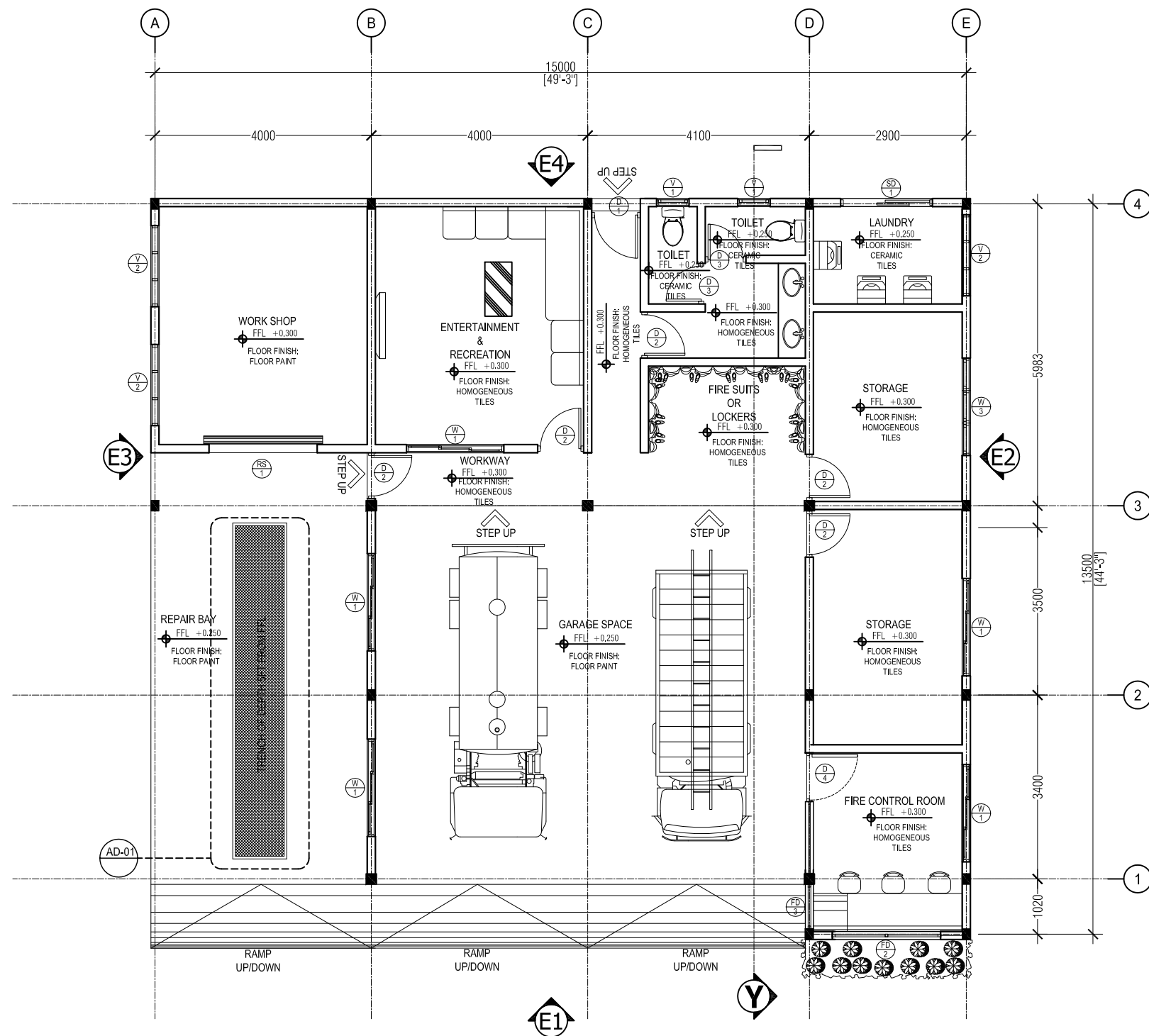
DATE:

SHEET NO:



MILITARY ENGINEERS
MALDIVES NATIONAL DEFENCE FORCE
Male', Republic of Maldives

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FLOOR PLAN
SCALE 1:100

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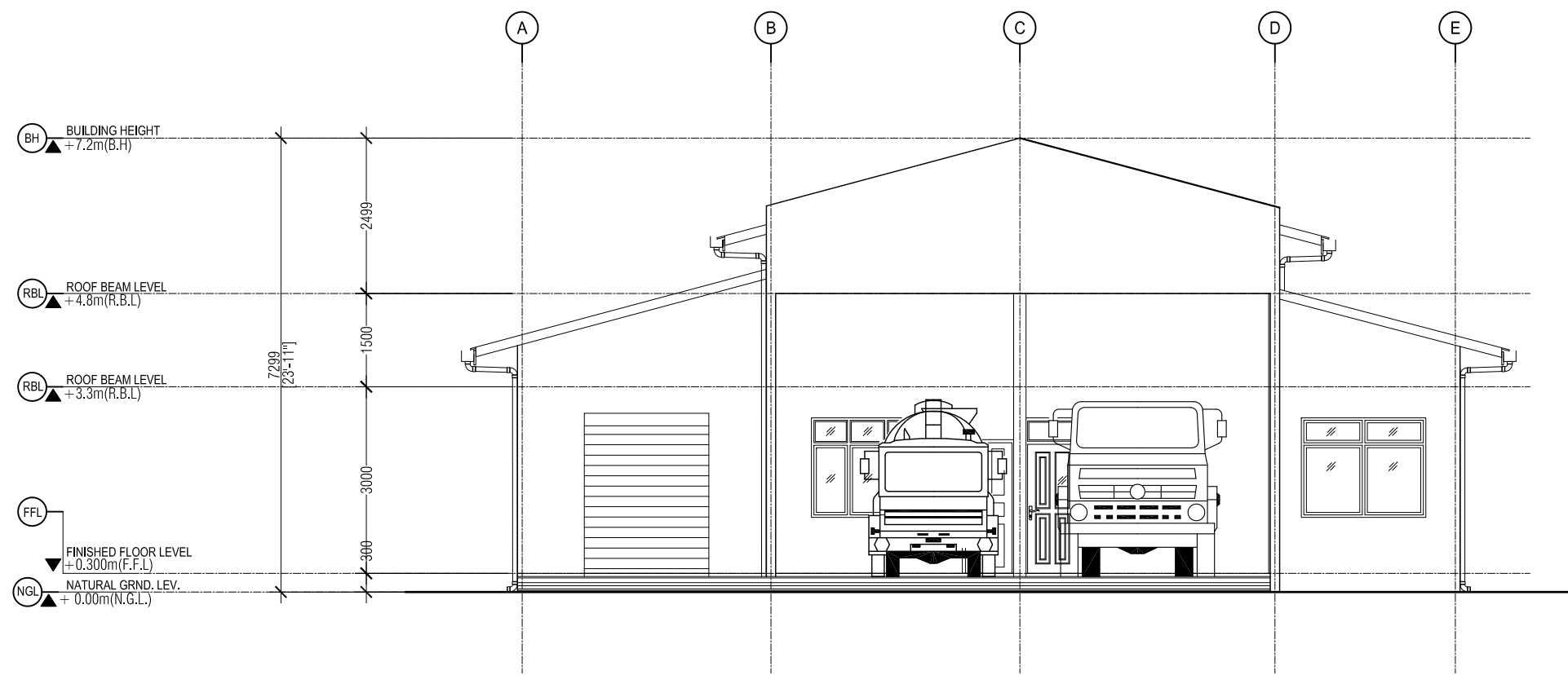
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ELEVATION 1
SCALE 1:100

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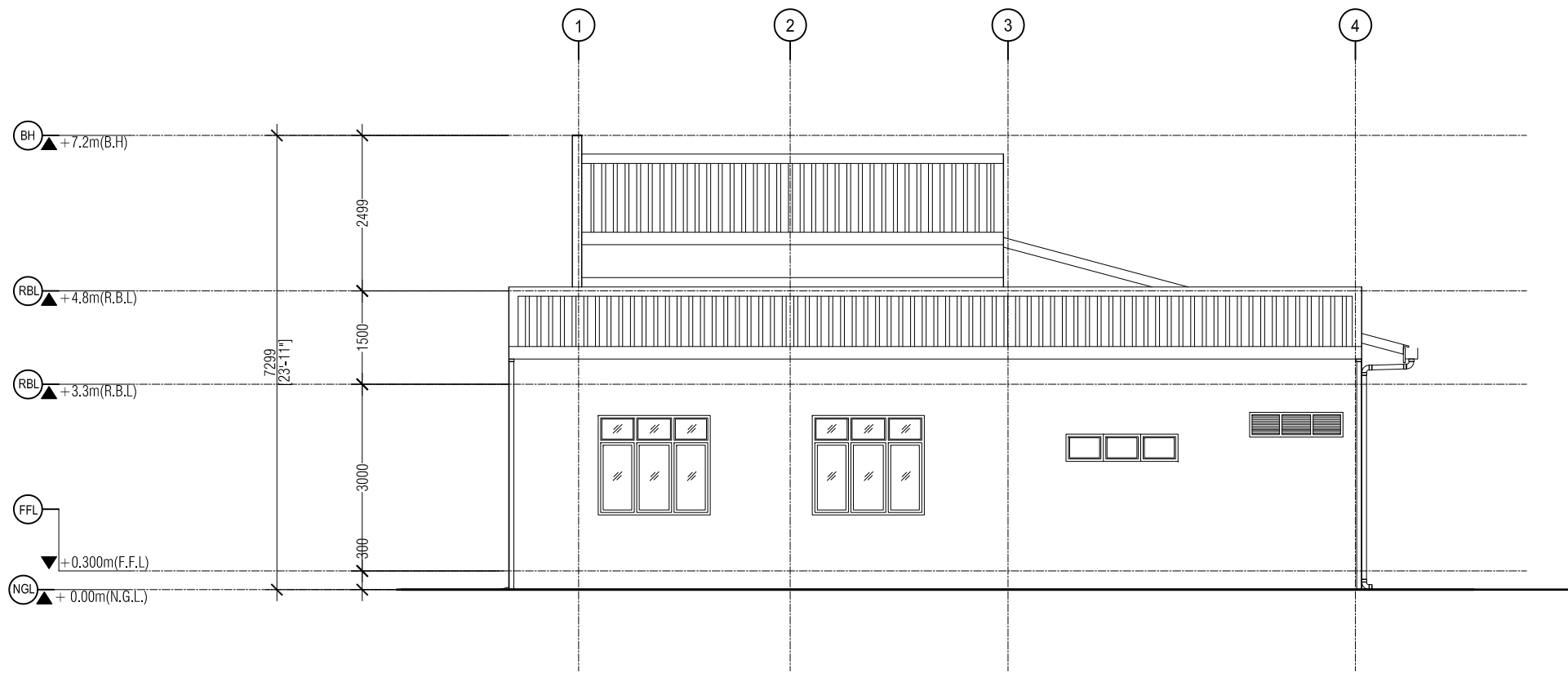
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ELEVATION 2
SCALE 1:100

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OFFICER COMMANDING

APPROVED:

MAJ. GEN. AHMED SHIYAM
CHIEF OF DEFENCE FORCE

APPROVED DATE:

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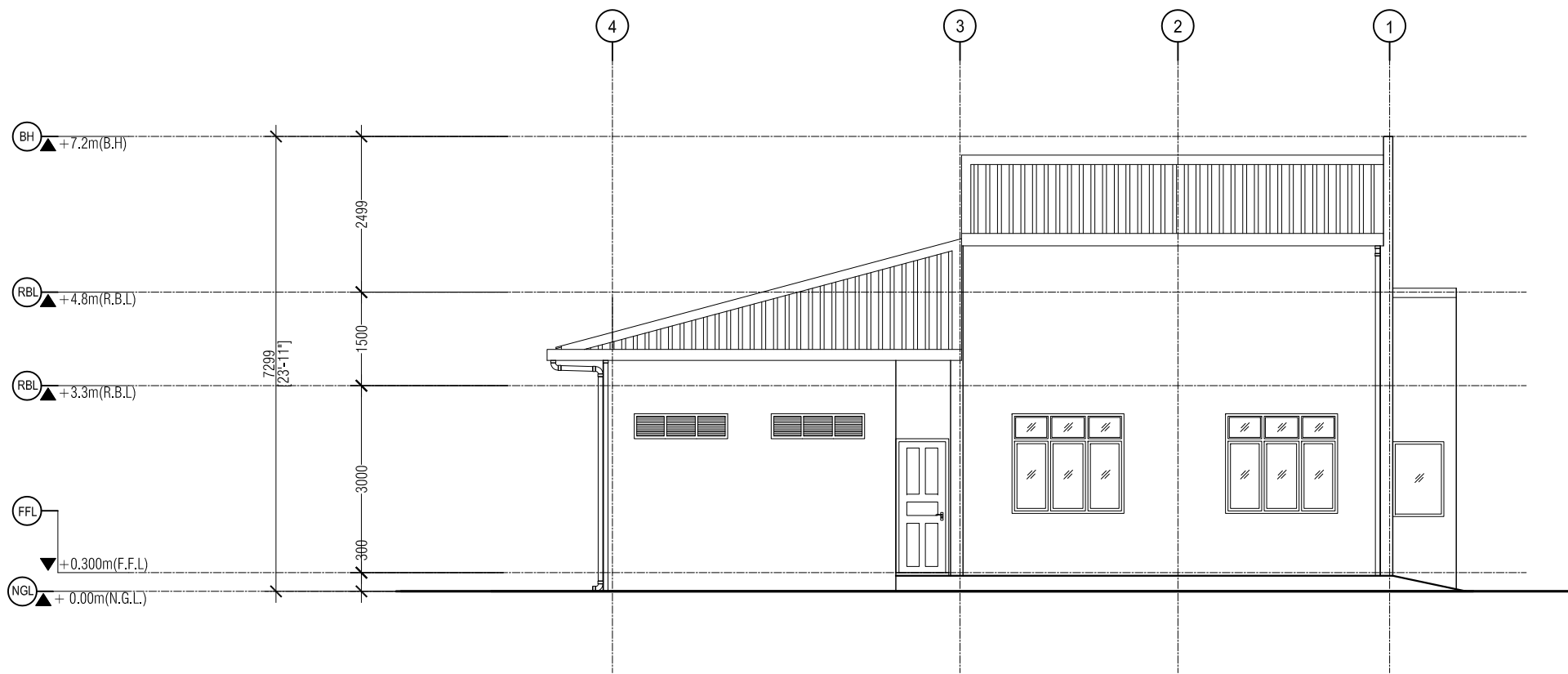
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ELEVATION 3
SCALE 1:100

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APPROVED:

MAJ. GEN. AHMED SHIYAM
CHIEF OF DEFENCE FORCE

APPROVED DATE:

DESIGNED:

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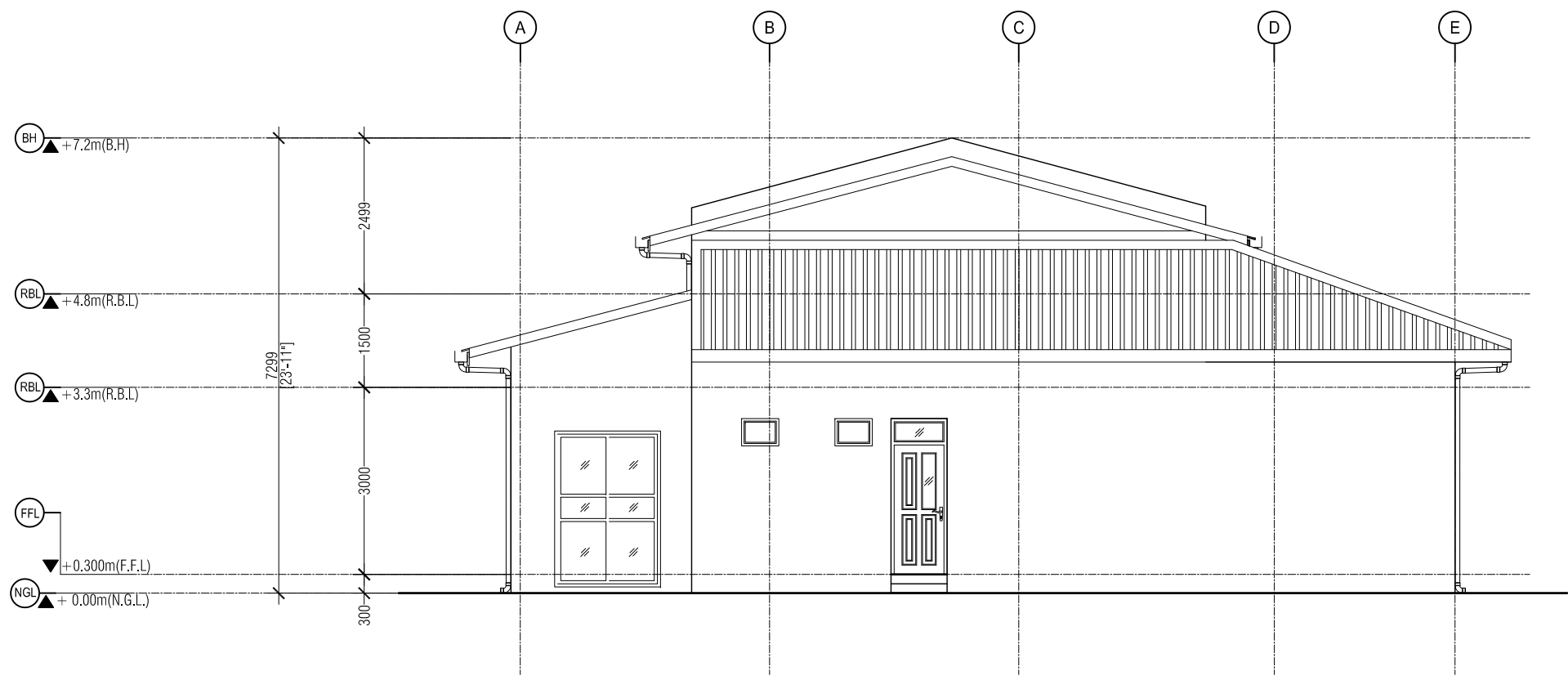
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ELEVATION 4
SCALE 1:100

FIRE STATION
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OFFICER COMMANDING

APPROVED:

MAJ. GEN. AHMED SHIYAM
CHIEF OF DEFENCE FORCE

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DESIGNED:

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Structural

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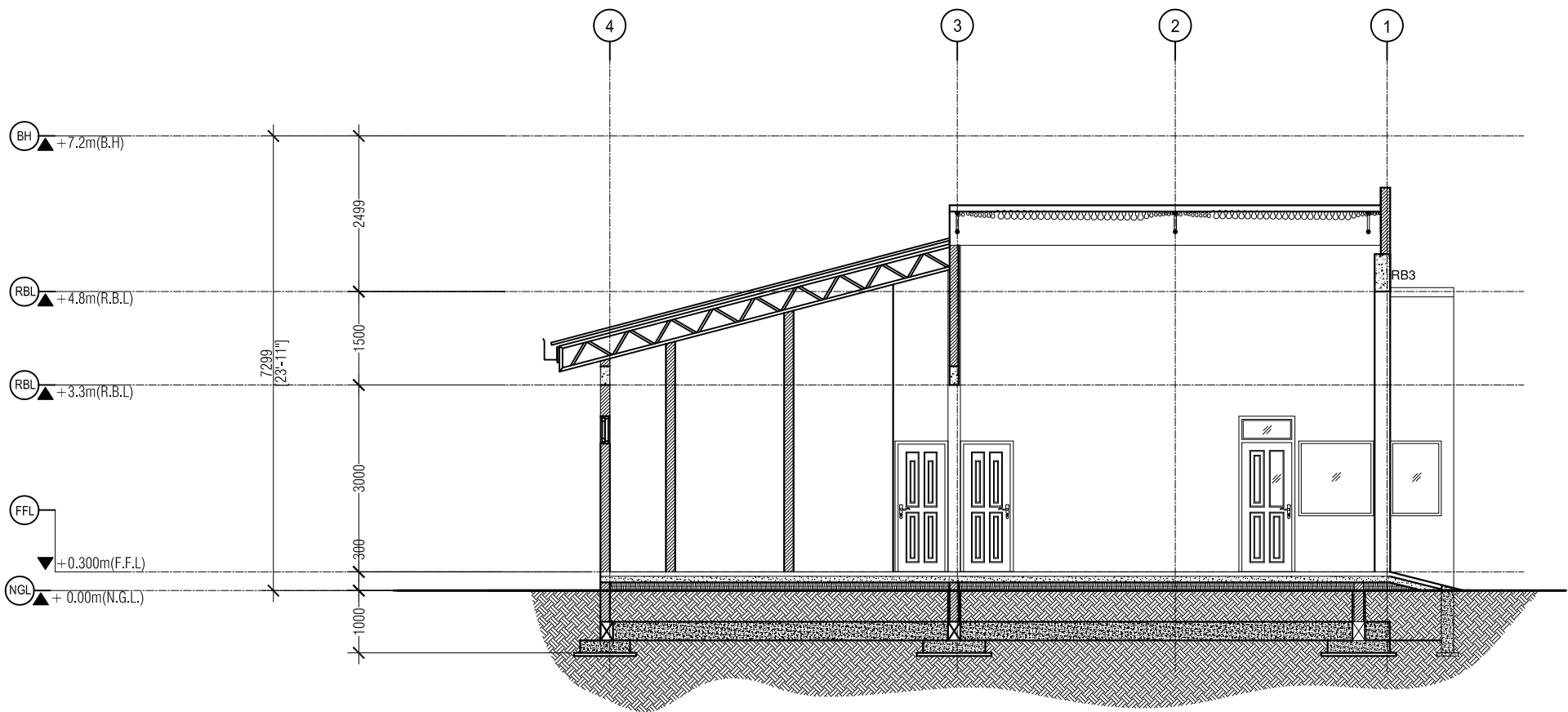
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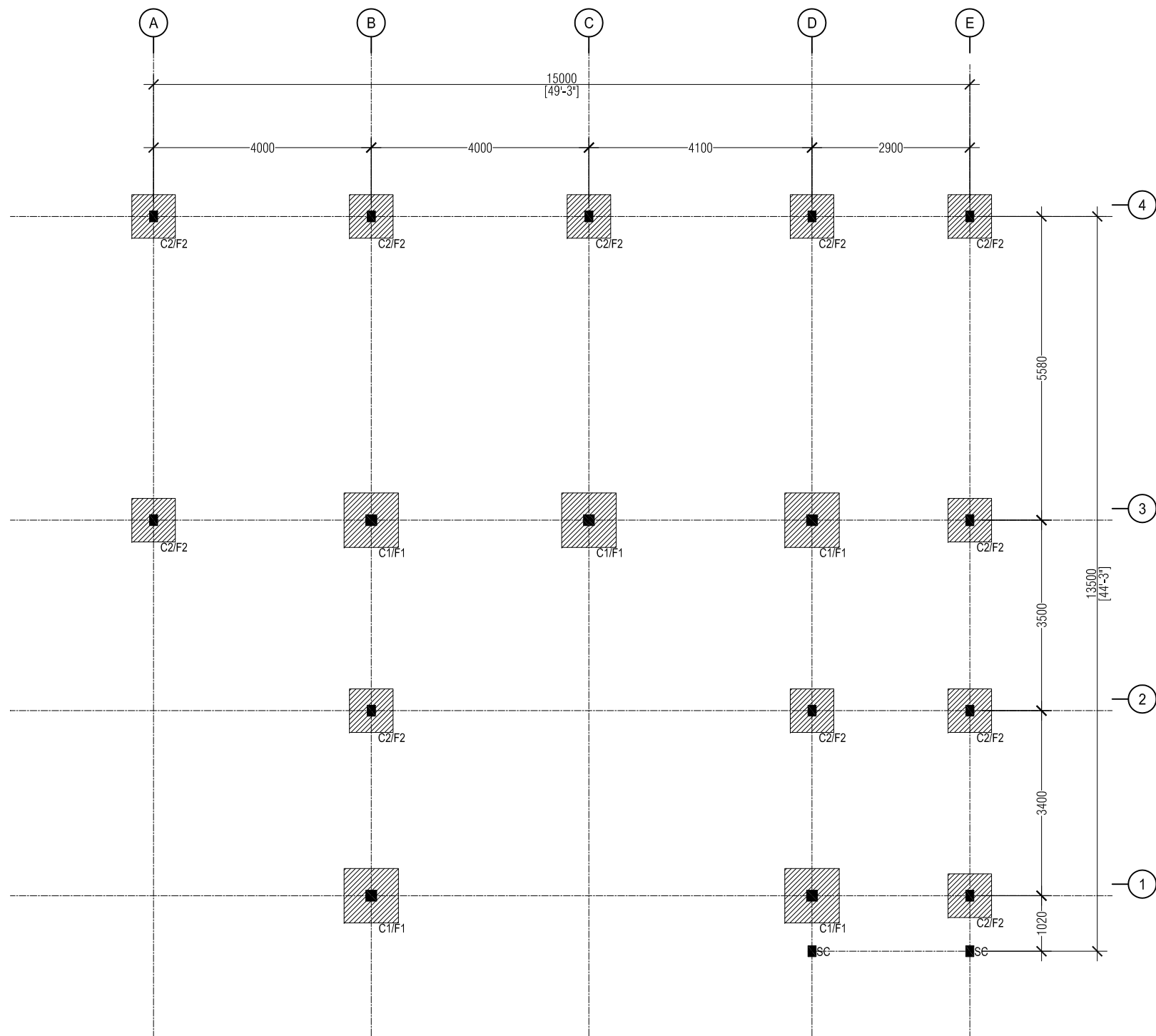
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SECTION Y-Y
SCALE 1:100



COLUMN/FOOTING LAYOUT
SCALE 1:100

FIRE STATION
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APPROVED:

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CHIEF OF DEFENCE FORCE

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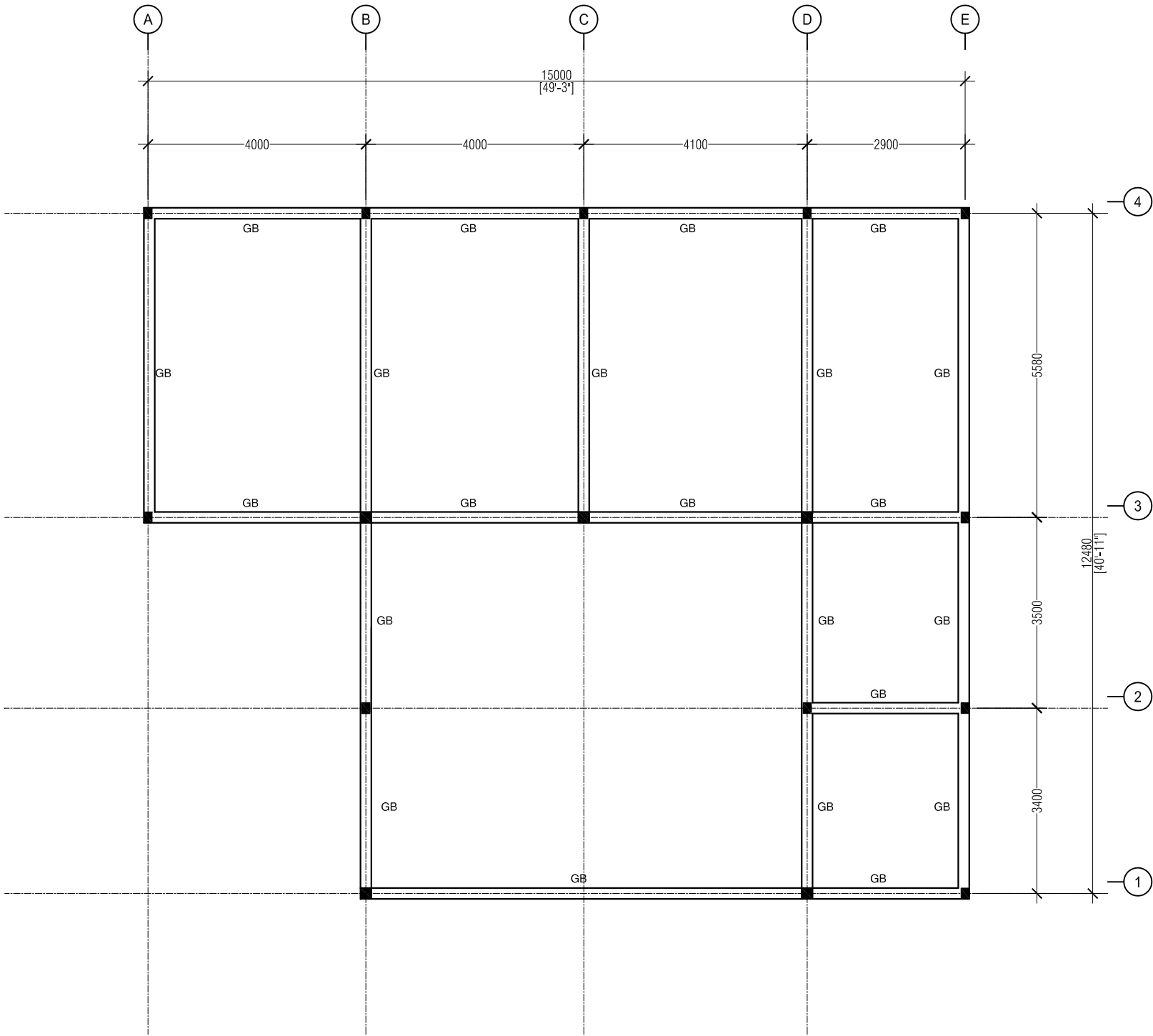
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GROUND BEAM LAYOUT
SCALE 1:100

FIRE STATION

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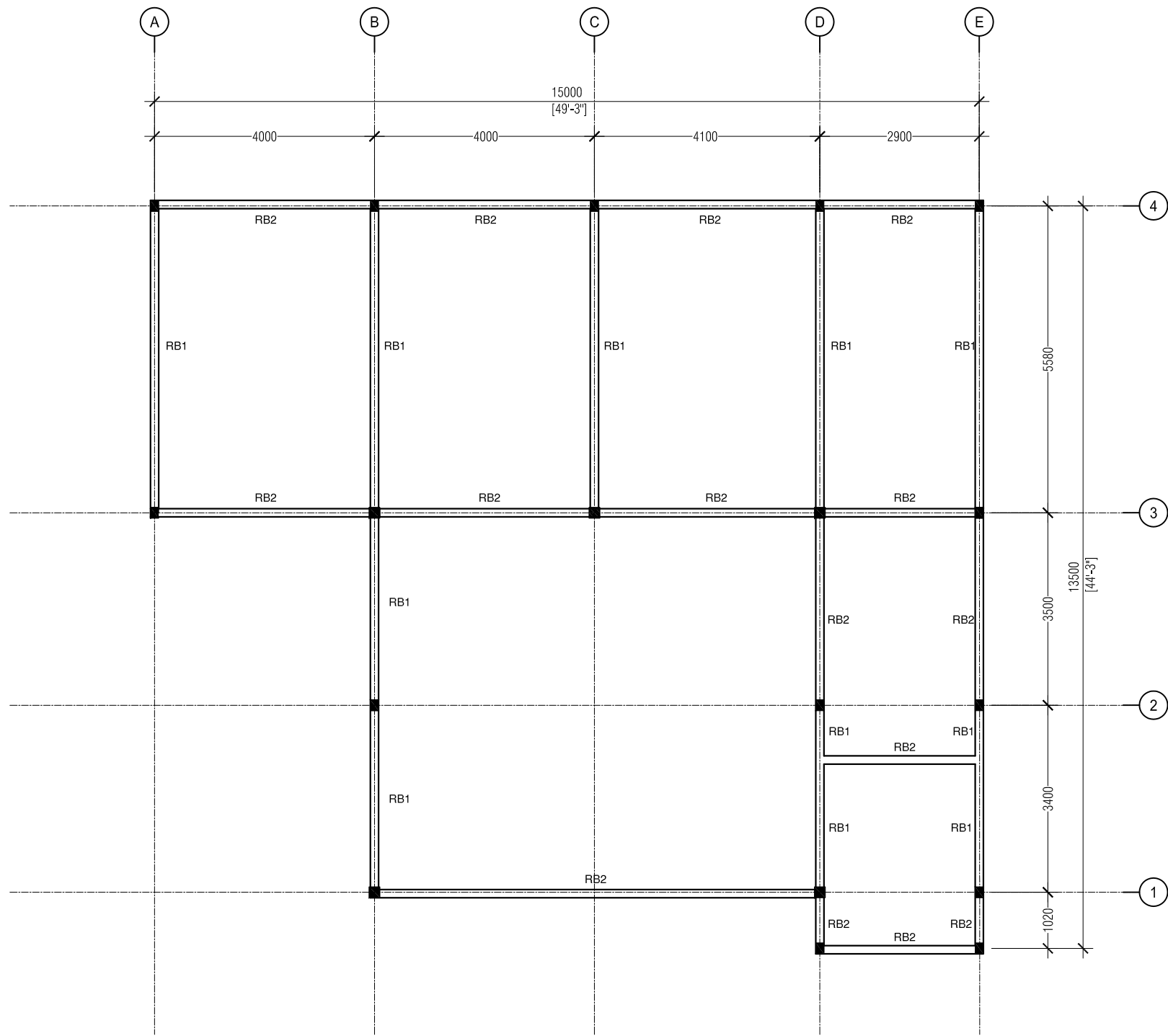
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MALDIVES NATIONAL DEFENCE FORCE

Male', Republic of Maldives

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ROOF BEAM LAYOUT
SCALE 1:100

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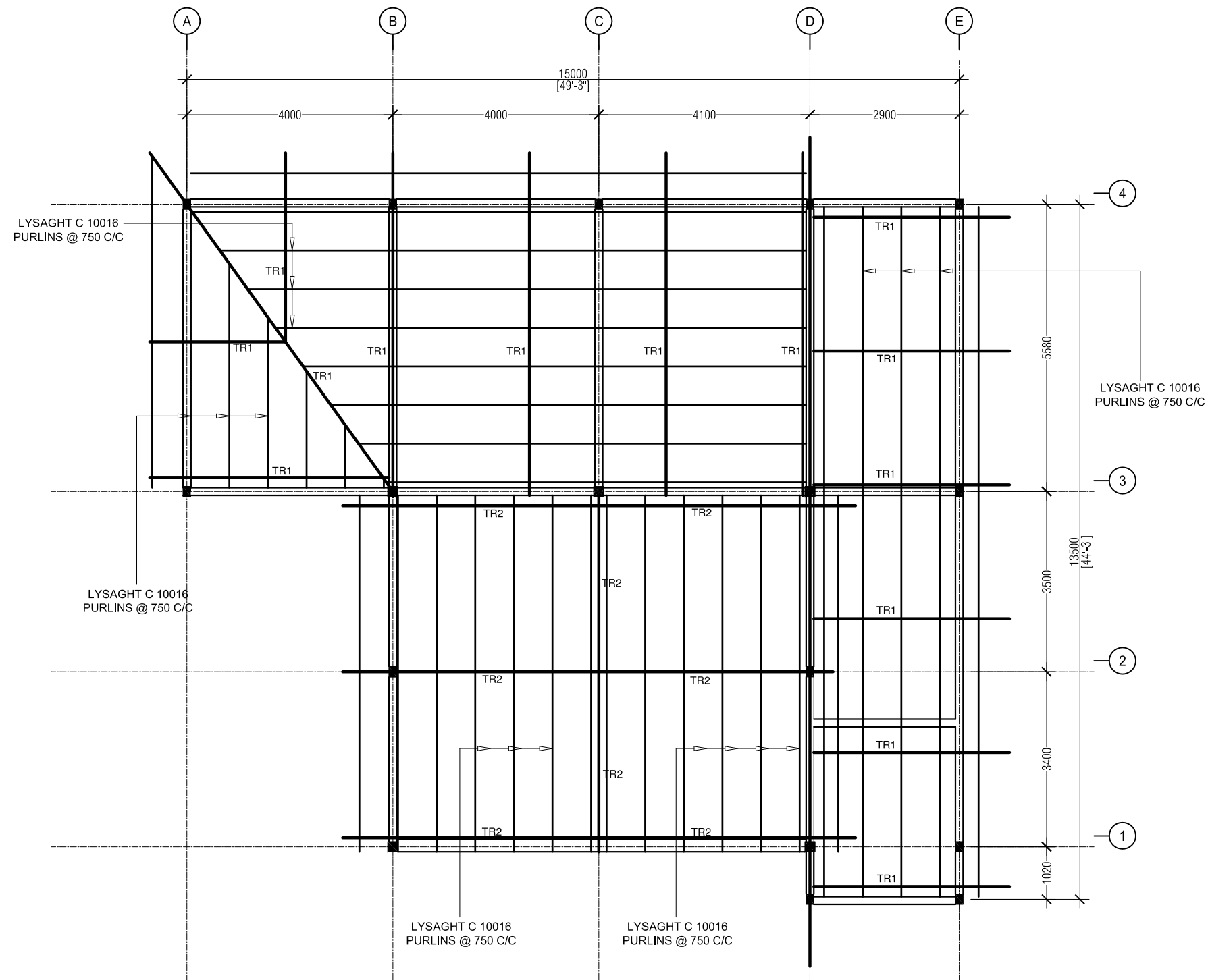
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ROOF TRUSS LAYOUT
SCALE 1:100

FIRE STATION
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CPT. AHMED SHARIM
OFFICER COMMANDING

APPROVED:

MAJ. GEN. AHMED SHIYAM
CHIEF OF DEFENCE FORCE

APPROVED DATE:

DESIGNED:

PTE. MOHAMED SAIF
Architectural

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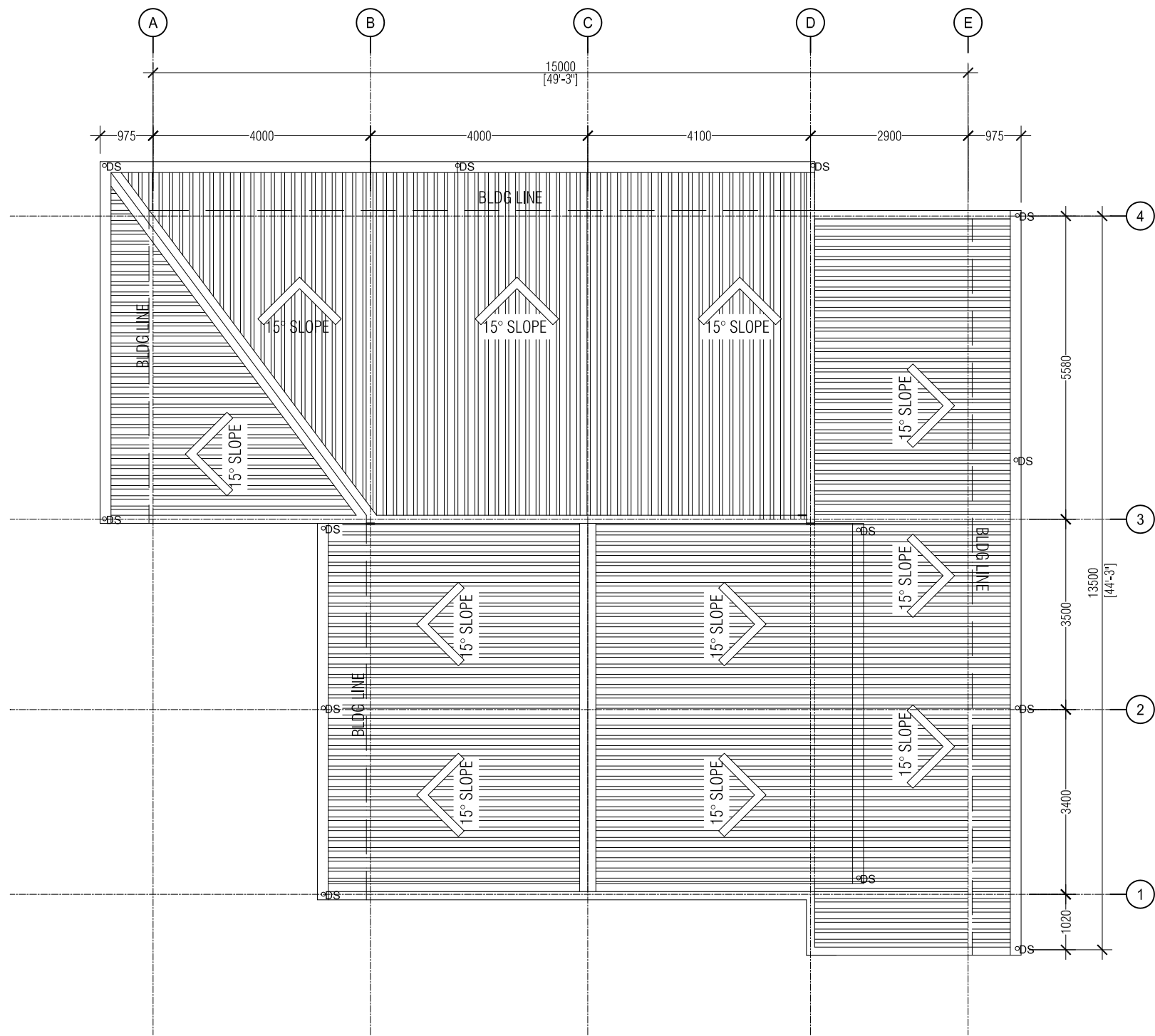
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ROOF PLAN
SCALE 1:100

FIRE STATION
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CHIEF OF DEFENCE FORCE

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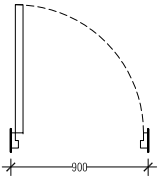
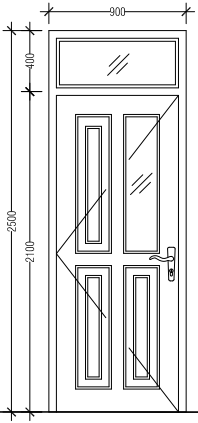
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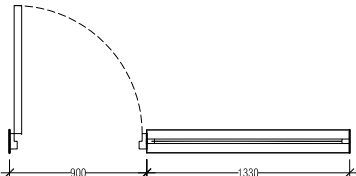
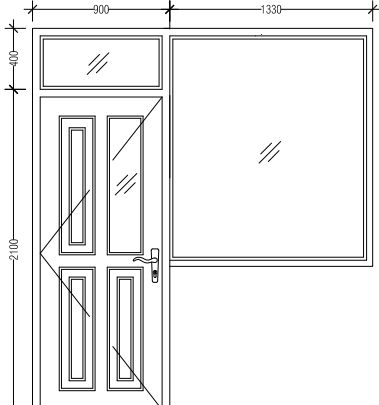
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|------|----------------------|------------------------|
| F1 | 1000 x 1000 x 200 MM | T12 - 150 C/C BOTHWAYS |
| F2 | 800 x 800 x 200 MM | T12 - 200 C/C BOTHWAYS |


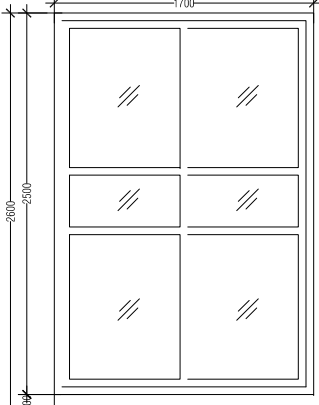
FOOTINGS DETAIL

STRUCTURAL DETAILS

SCALE 1:20

| | | | |
|------------|---|--|------------------------|
| NAME | SIDE HUNG DOOR | | |
| PLAN |  | | |
| ELEVATION |  | | |
| | ▲ ± FINISH FLOOR LEVEL | | |
| SYMBOL | <div><div>D</div><div>1</div></div> TOTAL = 01 nos. | | |
| LOCATION | Gr flr | | TYPE |
| QUANTITY | 02 | | 4 HINGE SIDE HUNG DOOR |
| DOOR FRAME | SOLID WOOD | | REMARKS |
| FINISHES | VARNISHED | | TOP FIXED GLASS |

| | | | |
|------------|--|--|------------------------|
| NAME | SIDE HUNG DOOR | | |
| PLAN |  | | |
| ELEVATION |  | | |
| | ▲ ± FINISH FLOOR LEVEL | | |
| SYMBOL | <div><div>D</div><div>4</div></div> TOTAL = 01 nos. | | |
| LOCATION | Gr flr | | TYPE |
| QUANTITY | 02 | | 4 HINGE SIDE HUNG DOOR |
| DOOR FRAME | SOLID WOOD | | REMARKS |
| FINISHES | VARNISHED | | TOP FIXED GLASS |

| | | | |
|------------|---|--|---------------------------------------|
| NAME | SIDE HUNG DOOR | | |
| PLAN |  | | |
| ELEVATION |  | | |
| | ▲ ± FINISH FLOOR LEVEL | | |
| SYMBOL | <div><div>SD</div><div>1</div></div> TOTAL = 01 nos. | | |
| LOCATION | Gr flr | | TYPE |
| QUANTITY | 01 | | 3 PANE SLIDING DOOR |
| DOOR FRAME | WHITE POWDER COATED ALUMINUM | | REMARKS: WHITE POWDER COATED ALUMINUM |

GENERAL NOTES

ALL MEASUREMENTS TO BE CHECKED ON SITE BY THE CONTRACTOR BEFORE FABRICATION. Dimension shown on drawings indicates effective openings of frame. All wooden frame depths are 100mm. Wooden door panel thickness = 35mm.

External units must comply the following weather conditions: -Wind pressure: 200Kg/sqm. -Water tightness: 25Kg/sqm.

All external frames/ wall joints must be sealed with silicon sealant and wedges trimmed with 12x12 mm H/W beading fixed to frames by brass nails.

All hardwood shall be provided for the performance of all functions of the units.

Hinges shall conform to Door size more than 800Wx2100H WD: 125mmx4 sets

Door size less than 800Wx2100H

WD: 100mmx3 sets

Single panel PVC door and frame with SS sliding lock and PVC coated hinges and

Locks shall be cylindrical w/master keysets. Door knobs shall be 900mm above finished floor level.

Door swings are indicated on the floor plans

All elevations shown from outside and window swings DEFINED on the schedule.


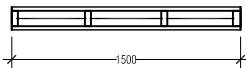
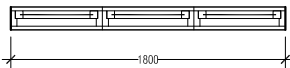
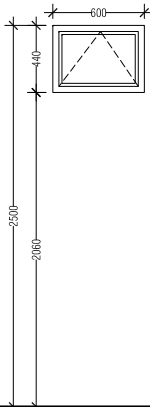
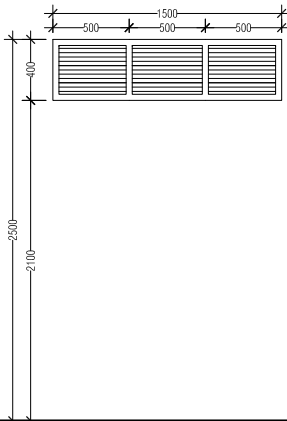
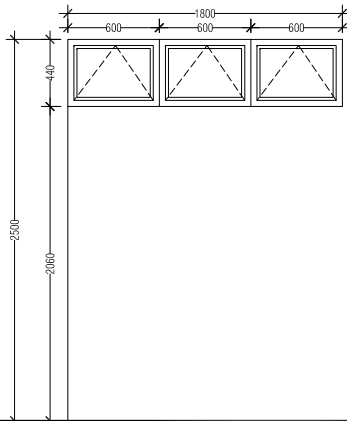
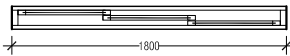

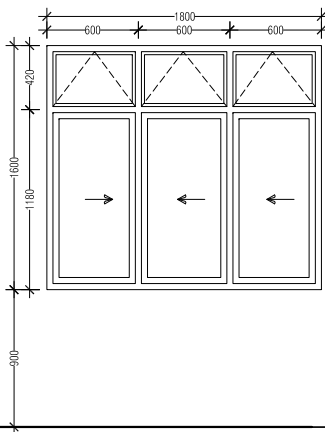
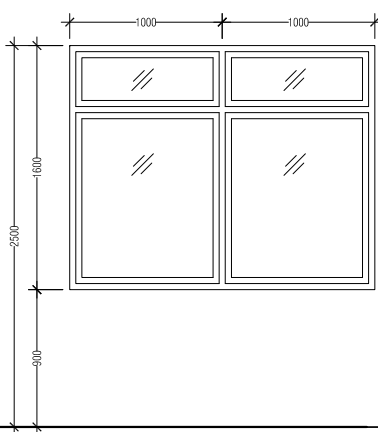
| |
|--|
| <div>FIRE STATION</div> <div>A.DH. MAAMIGILI</div> |
| SHEET CONTENT: |
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|--|
| DESIGN APPROVAL: |
| |
| <div>BRG. GEN. AHMED SHAHID</div> <div>VICE CHIEF OF DEFENCE FORCE</div> |
| RECOM. APPROVAL: |
| |
| <div>CPT. AHMED SHARIM</div> <div>OFFICER COMMANDING</div> |
| APPROVED: |
| |
| <div>MAJ. GEN. AHMED SHIYAM</div> <div>CHIEF OF DEFENCE FORCE</div> |
| APPROVED DATE: |
| |

| | |
|---|---|
| DESIGNED: | |
| <div>PTE. MOHAMED SAIF</div> <div>Architectural</div> | <div>CPL. AHMED SHAZEEL</div> <div>Structural</div> |
| CHECKED: | |
| <div>FLT. MOHAMED SHIFAU</div> <div>Architectural</div> | <div></div> <div>Structural</div> |
| <div></div> <div>Electrical & Mechanical</div> | <div></div> <div>Communication</div> |
| DRAWN: | REVISION: |
| <div>LCPL. ALI MUTHASIM</div> | |
| 17 September 2015 | DATE: |
| DATE | |
| SCALE: | SHEET NO: |
| 1:100 | |




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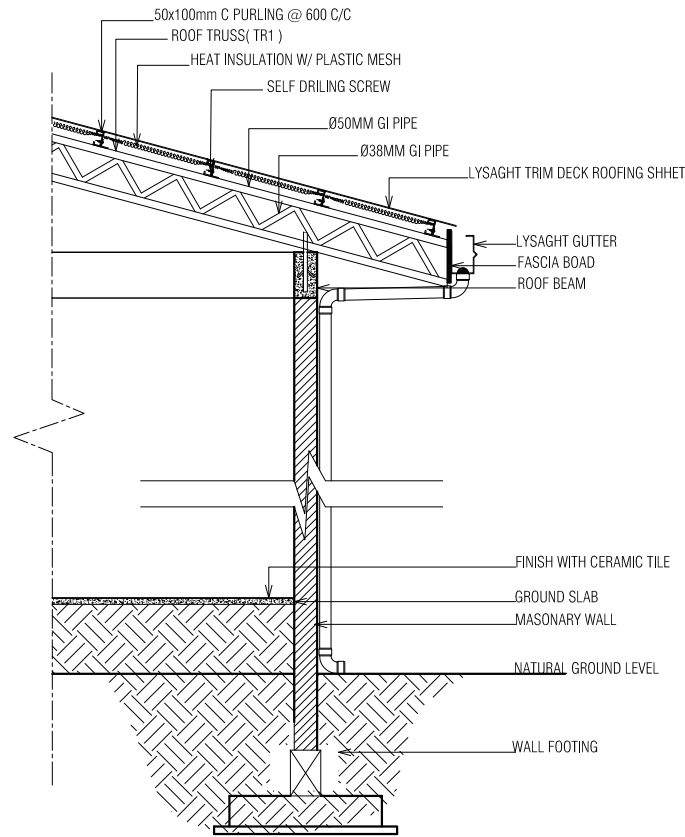
| | | | | | | | | | |
|------------|--|--|--|---|--|--|---|--|--|
| NAME | TOP HUNG WINDOW | | | LOUVERS | | | TOP HUNG WINDOW | | |
| PLAN |  | | |  | | |  | | |
| |  | | |  | | |  | | |
| ELEVATION | ▲ ± FINISH FLOOR LEVEL | | | ▲ ± FINISH FLOOR LEVEL | | | ▲ ± FINISH FLOOR LEVEL | | |
| SYMBOL | <div><div>V</div><div>1</div></div> TOTAL = 02nos. | | | <div><div>V</div><div>2</div></div> TOTAL = 03 nos. | | | <div><div>V</div><div>3</div></div> TOTAL = 01 nos. | | |
| LOCATION | Gr flr | | TYPE | Gr flr | | TYPE | Gr flr | | TYPE |
| QUANTITY | 02 | | TOP HUNG WINDOW | 02 | | LOUVERS | 02 | | TOP HUNG WINDOW |
| DOOR FRAME | EMBEDDED TO WALL | | REMARKS: WHITE POWDER COATED ALUMINUM | EMBEDDED TO WALL | | REMARKS: WHITE POWDER COATED ALUMINUM | EMBEDDED TO WALL | | REMARKS: WHITE POWDER COATED ALUMINUM |
| FINISHES | REFLECTIVE GLASS | | | ALUMINUM FINISH | | | ALUMINUM FINISH | | |
| NAME | SLIDING WINDOW | | | 2 PANE FIXED GLASS | | | <div>GENERAL NOTES</div> <div>ALL MEASUREMENTS TO BE CHECKED BY THE CONTRACTOR BEFORE FABRICATING. Dimension shown on drawings indicates effective frame. All wooden frame depths are 100mm. Wooden panel thickness = 35mm.</div> <div>External units must comply the following weather conditions:-Wind pressure: 200Kg/sqm. -Water pressure: 25Kg/sqm.</div> <div>All external frames/ wall joints must be sealed with sealant and wedges trimmed with 12x12 mm H/W fixed to frames by brass nails.</div> <div>All hardwood shall be provided for the performance and functions of the units.</div> <div>Hinges shall conform to Door size more than 800mm WD: 125mmx4 sets Door size less than 800Wx2100H WD: 100mmx3 sets</div> <div>Single panel PVC door and frame with SS sliding coated hinges and Locks shall be cylindrical w/master keysets. Door shall be 900mm above finished floor level.</div> <div>Door swings are indicated on the floor plans</div> <div>All elevations shown from outside and window swing shall be DEFINED on the schedule.</div> | | |
| PLAN |  | | |  | | | | | |
| |  | | |  | | | | | |
| ELEVATION | ▲ ± FINISH FLOOR LEVEL | | | ▲ ± FINISH FLOOR LEVEL | | | | | |
| SYMBOL | <div><div>W</div><div>1</div></div> TOTAL = 03 nos. | | | <div><div>FD</div><div>2</div></div> TOTAL = 01 nos. | | | | | |
| LOCATION | Gr flr | | TYPE | Gr flr | | TYPE | | | |
| QUANTITY | 05 | | 3 PANE SLIDING WINDOW | 01 | | FROSTED FIXED GLASS | | | |
| DOOR FRAME | EMBEDDED TO WALL | | REMARKS: WHITE POWDER COATED ALUMINUM | EMBEDDED TO WALL | | REMARKS: WHITE POWDER COATED ALUMINUM | | | |
| FINISHES | CLEAR GLASS | | | CLEAR GLASS | | | | | |

GENERAL NOTES

ALL MEASUREMENTS TO BE CHECKED ON SITE BY THE CONTRACTOR BEFORE FABRICATION. Dimension shown on drawings indicates effective openings of frame. All wooden frame depths are 100mm. Wooden door panel thickness = 35mm. External units must comply the following weather conditions:-Wind pressure: 200Kg/sqm. -Water tightness: 25Kg/sqm.

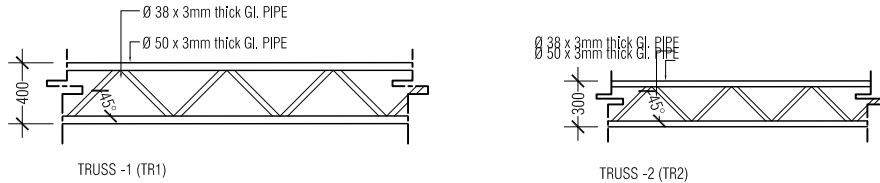
All external frames/ wall joints must be sealed with silicon sealant and wedges trimmed with 12x12 mm H/W beading fixed to frames by brass nails. All hardwood shall be provided for the performance of all functions of the units. Hinges shall conform to Door size more than 800Wx2100H WD: 125mmx4 sets Door size less than 800Wx2100H WD: 100mmx3 sets Single panel PVC door and frame with SS sliding lock and PVC coated hinges and Locks shall be cylindrical w/master keysets. Door knobs shall be 900mm above finished floor level. Door swings are indicated on the floor plans All elevations shown from outside and window swings DEFINED on the schedule.

| | |
|--|----------------------------------|
| FIRE STATION A.DH. MAAMIGILI | |
| SHEET CONTENT: | |
| | |
| | |
| | |
| DESIGN APPROVAL: | |
| BRG. GEN. AHMED SHAHID VICE CHIEF OF DEFENCE FORCE | |
| RECOM. APPROVAL: | |
| CPT. AHMED SHARIM OFFICER COMMANDING | |
| APPROVED: | |
| MAJ. GEN. AHMED SHIYAM CHIEF OF DEFENCE FORCE | |
| APPROVED DATE: | |
| DESIGNED: | |
| PTE. MOHAMED SAIF Architectural | CPL. AHMED SHAZEEL Structural |
| CHECKED: | |
| FLT. MOHAMED SHIFAU Architectural | Structural |
| Electrical & Mechanical | Communication |
| DRAWN: | REVISION: |
| LCPL. ALI MUTHASIM | |
| 17 September 2015 | DATE: |
| DATE | |
| SCALE: | SHEET NO: |
| 1:100 | |
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TYPICAL ROOF SECTION

SCALE 1:50



ROOF TRUSS DETAIL

SCALE 1:50

FIRE STATION
A.DH. MAAMIGILI

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DESIGN APPROVAL:

BRG. GEN. AHMED SHAHID
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Electrical & Mechanical

Communication

DRAWN:

LCPL. ALI MUTHASIM

17 September 2015

DATE

SCALE:

1:100

REVISION:

DATE:

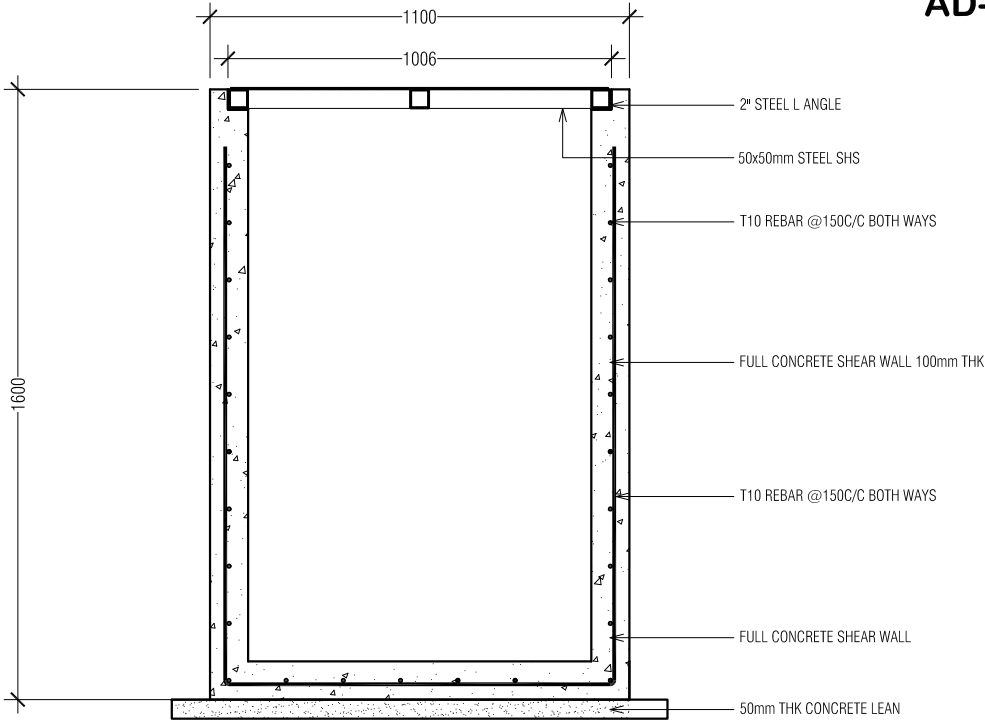
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Male', Republic of Maldives

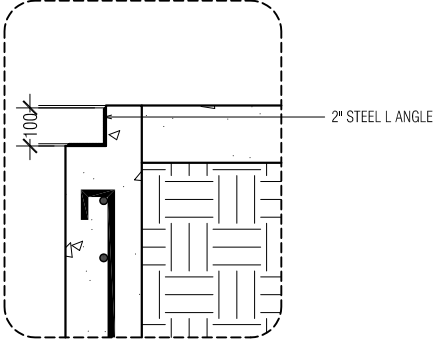
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AD-01 REPAIR BAY TRENCH DETAILS



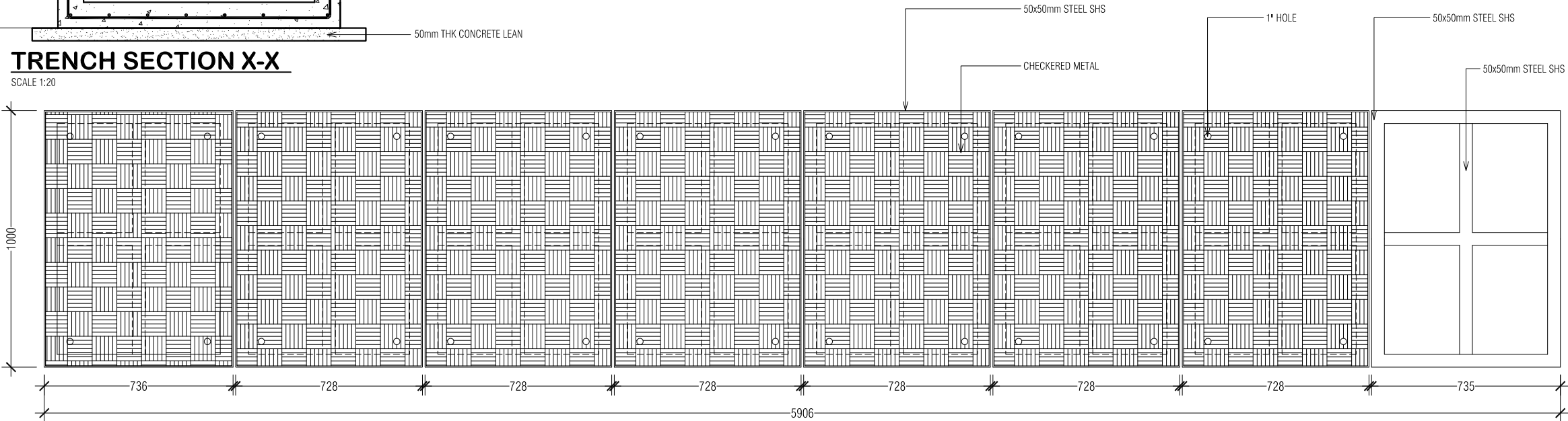
TRENCH SECTION X-X

SCALE 1:20



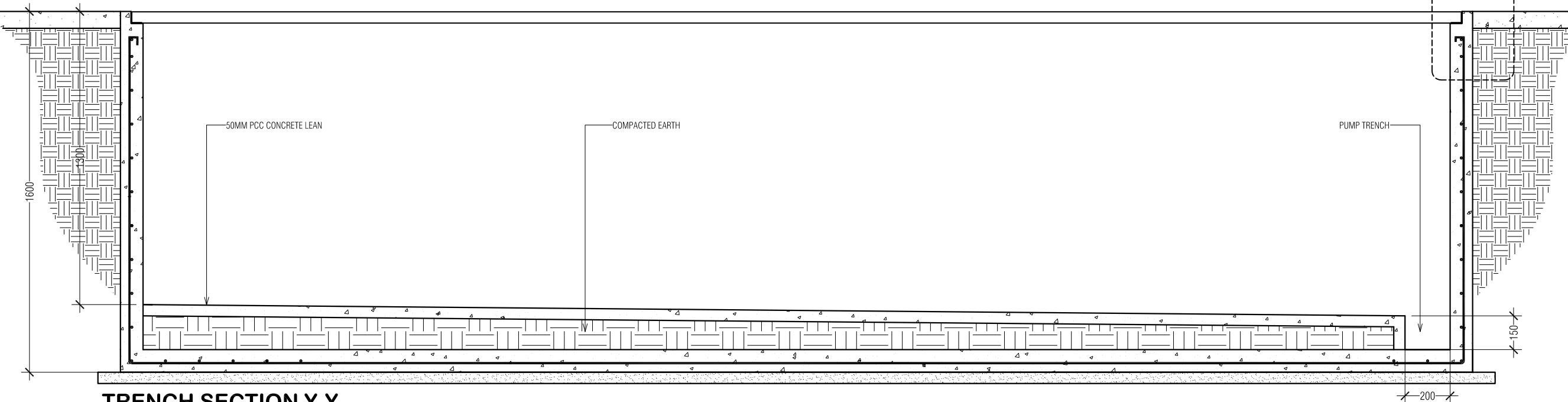
AD-01 TRENCH COVER GROVE DETAIL

SCALE 1:10



TRENCH COVER SET DETAILS

SCALE 1:20



TRENCH SECTION Y-Y

SCALE 1:20

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

BRG. GEN. AHMED SHAHID
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ECOM. APPROVAL:

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structural

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DRAWN:

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7 September 2015

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CALE:

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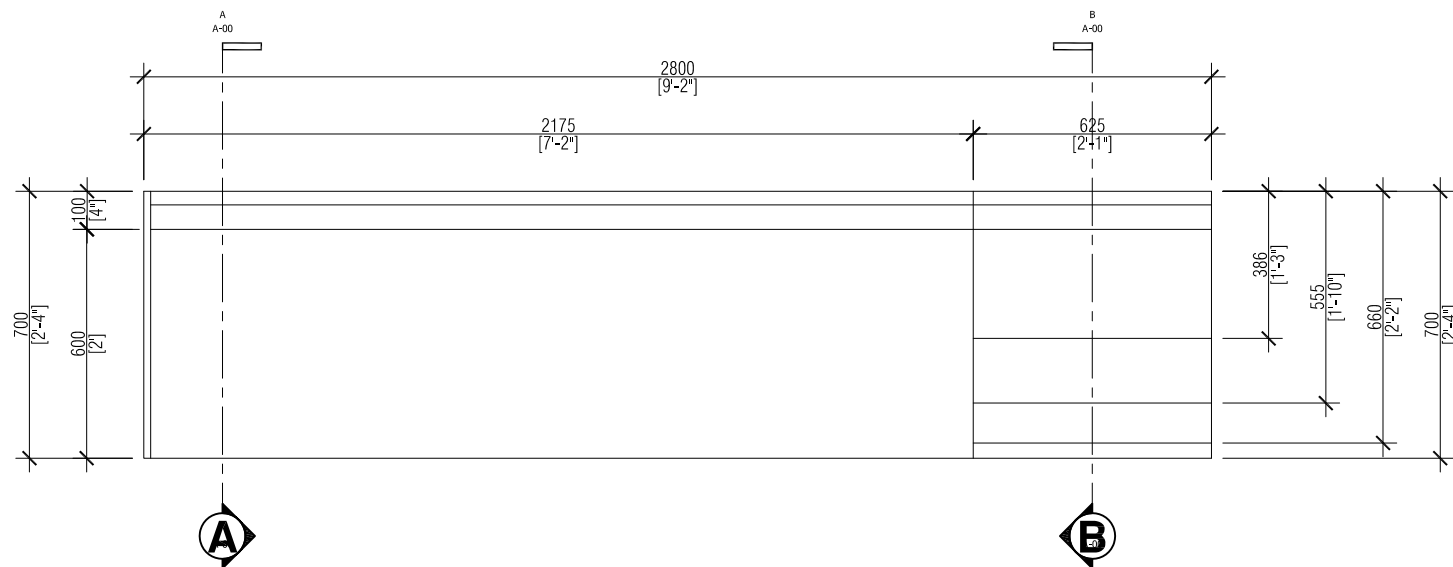
Figure 1

DATE:

SHEET NO:

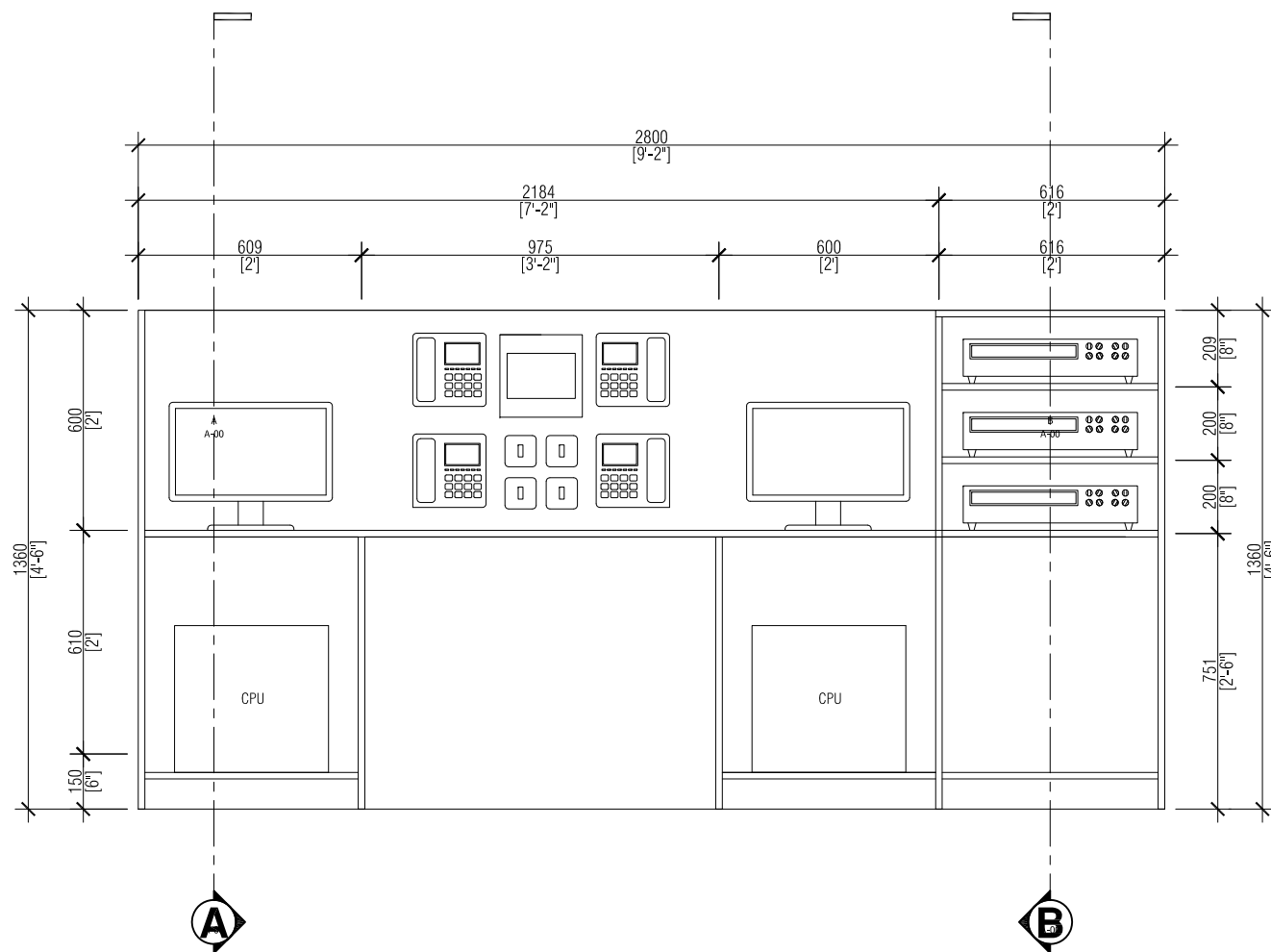


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TOP VIEW

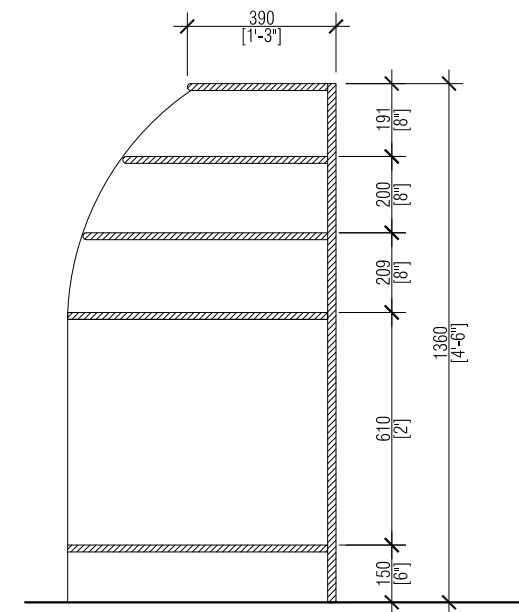
SCALE 1:20



FRONT VIEW

SCALE 1:20

NOTE :
MATERIAL : 18mm MDF BOARD
FINISH: WOOD TEXTURE FOMECA



SECTION B-B

SCALE 1:20

AD-02 FIRE CABINET DETAILS

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

BRG. GEN. AHMED SHAHID
VICE CHIEF OF DEFENCE FORCE

RECOM. APPROVAL:

CPT. AHMED SHARIM
OFFICER COMMANDING

APPROVED:

MAJ. GEN. AHMED SHIYAM
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CPL. AHMED SHAZEEL
Structural

CHECKED:

FLT. MOHAMED SHIFAU
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Structural

Electrical & Mechanical

Communication

DRAWN:

LCPL. ALI MUTHASIM

17 September 2015

DATE

SCALE:

1:100

REVISION:

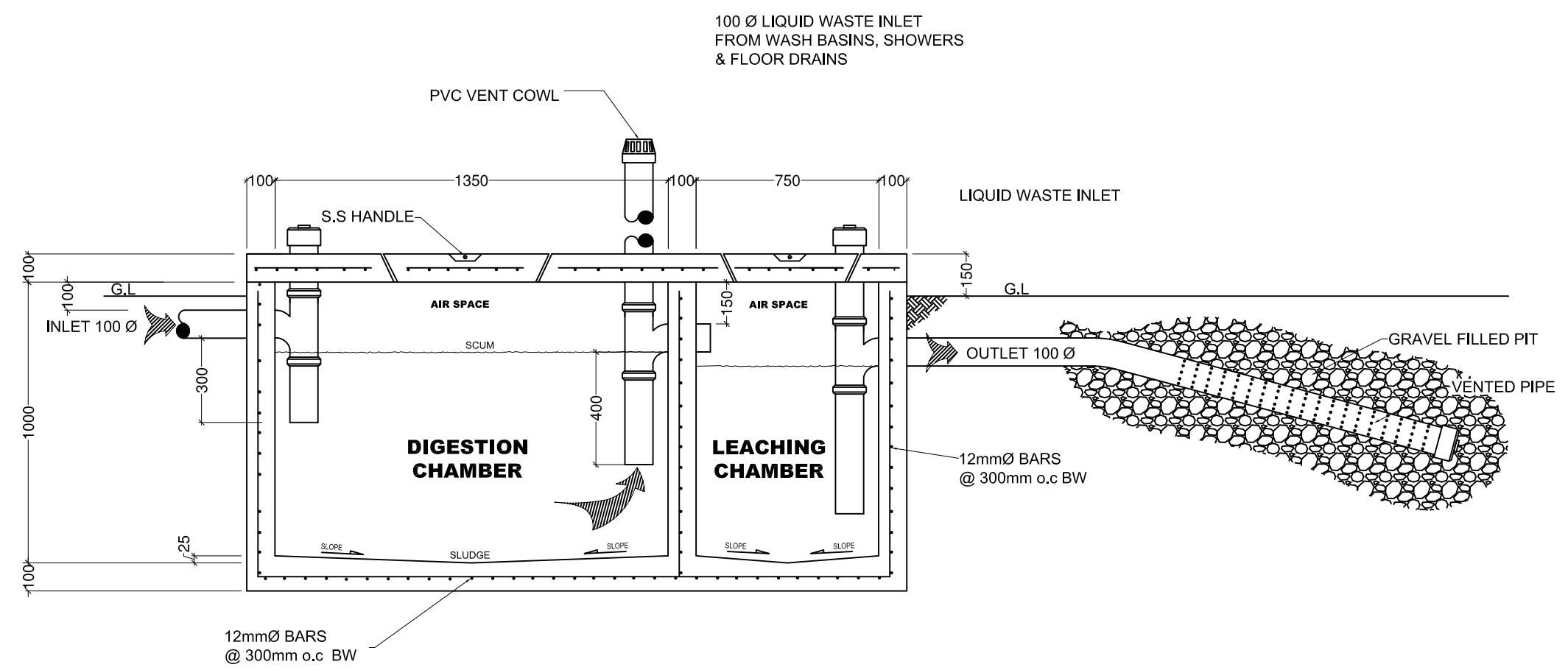
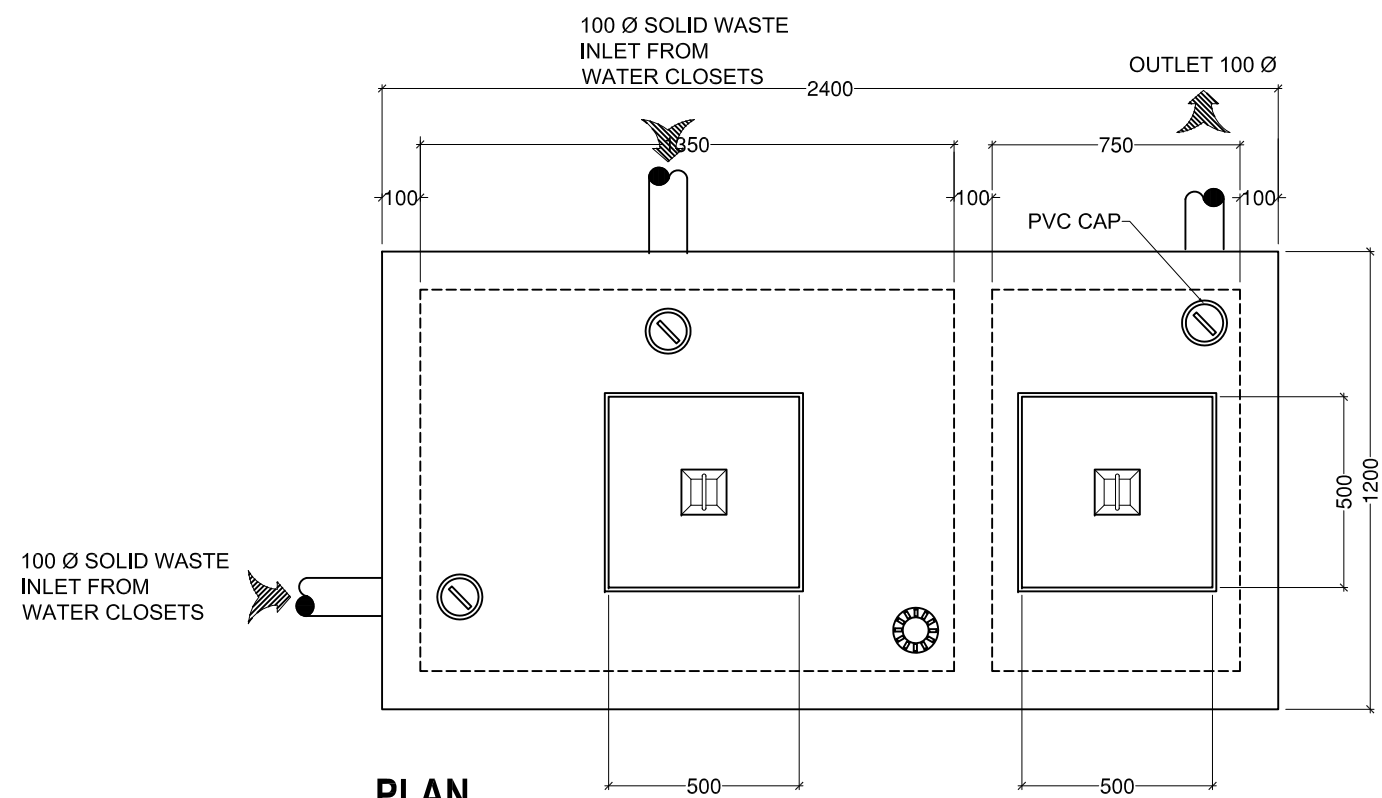
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SECTION

SEPTIC TANK DETAILS

SCALE 1:20

FIRE STATION
A.DH. MAAMIGILI

| |
|----------------|
| SHEET CONTENT: |
| |
| |
| |
| |

| |
|--|
| DESIGN APPROVAL: |
| |
| BRG. GEN. AHMED SHAHID VICE CHIEF OF DEFENCE FORCE |
| RECOM. APPROVAL: |
| |
| CPT. AHMED SHARIM OFFICER COMMANDING |
| APPROVED: |
| |
| MAJ. GEN. AHMED SHIYAM CHIEF OF DEFENCE FORCE |
| APPROVED DATE: |
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| | |
|--|---|
| DESIGNED: | |
| PTE. MOHAMED SAIF Architectural | CPL. AHMED SHAZEEL Structural |
| CHECKED: | |
| FLT. MOHAMED SHIFAU Architectural | Structural |
| Electrical & Mechanical | Communication |
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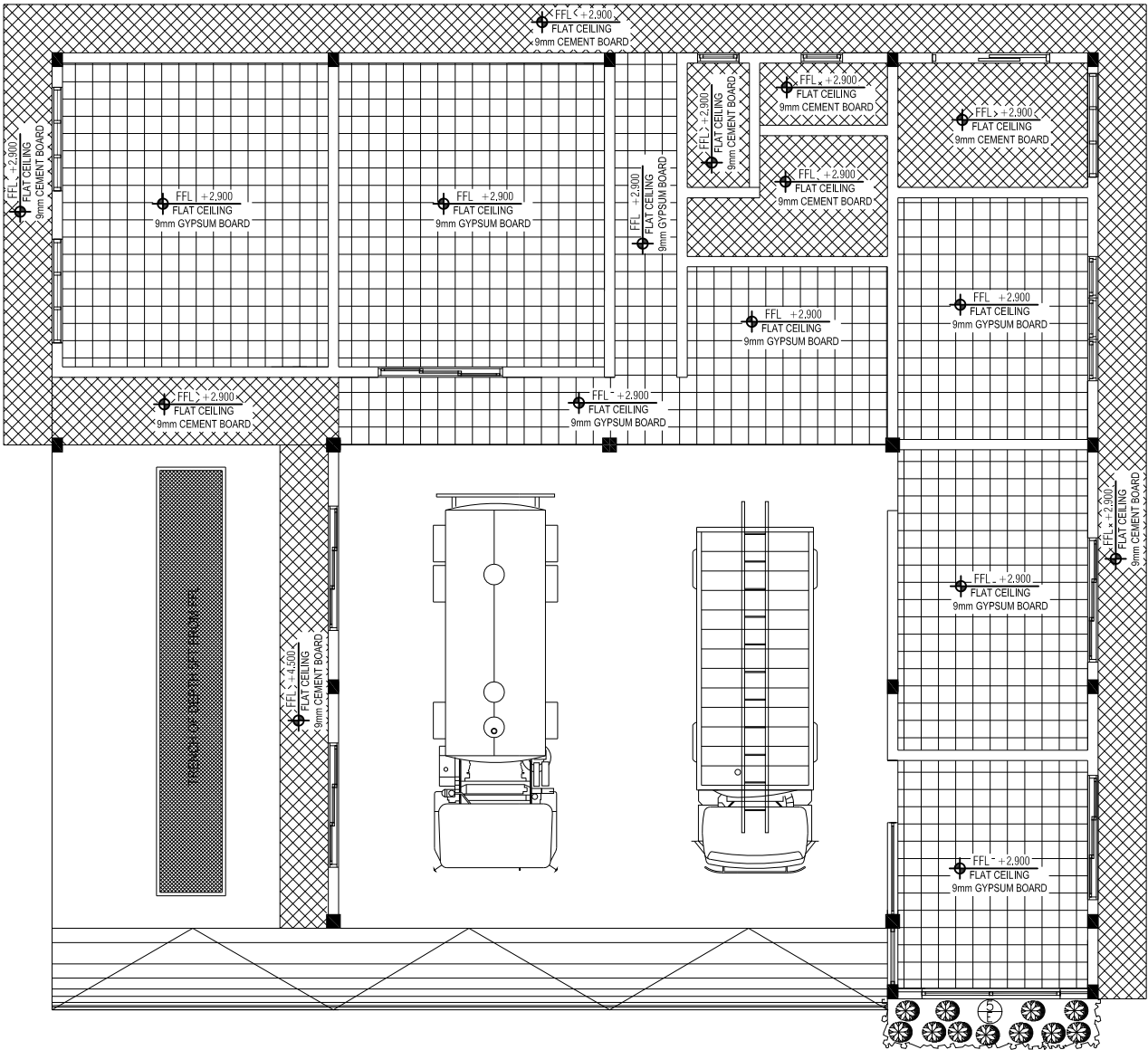
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SCALE 1:20

SCALE 1:20



LEGEND:

| SYMBOL | DESCRIPTION |
|--------|------------------|
| | 9mm GYPSUM BOARD |
| | 9mm CEMENT BOARD |

CEILING PLAN

SCALE 1:100

FIRE STATION
A.DH. MAAMIGILI

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RECOM. APPROVAL:

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CHIEF OF DEFENCE FORCE

APPROVED DATE:

DESIGNED:

| | |
|------------------------------------|----------------------------------|
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|------------------------------------|----------------------------------|

CHECKED:

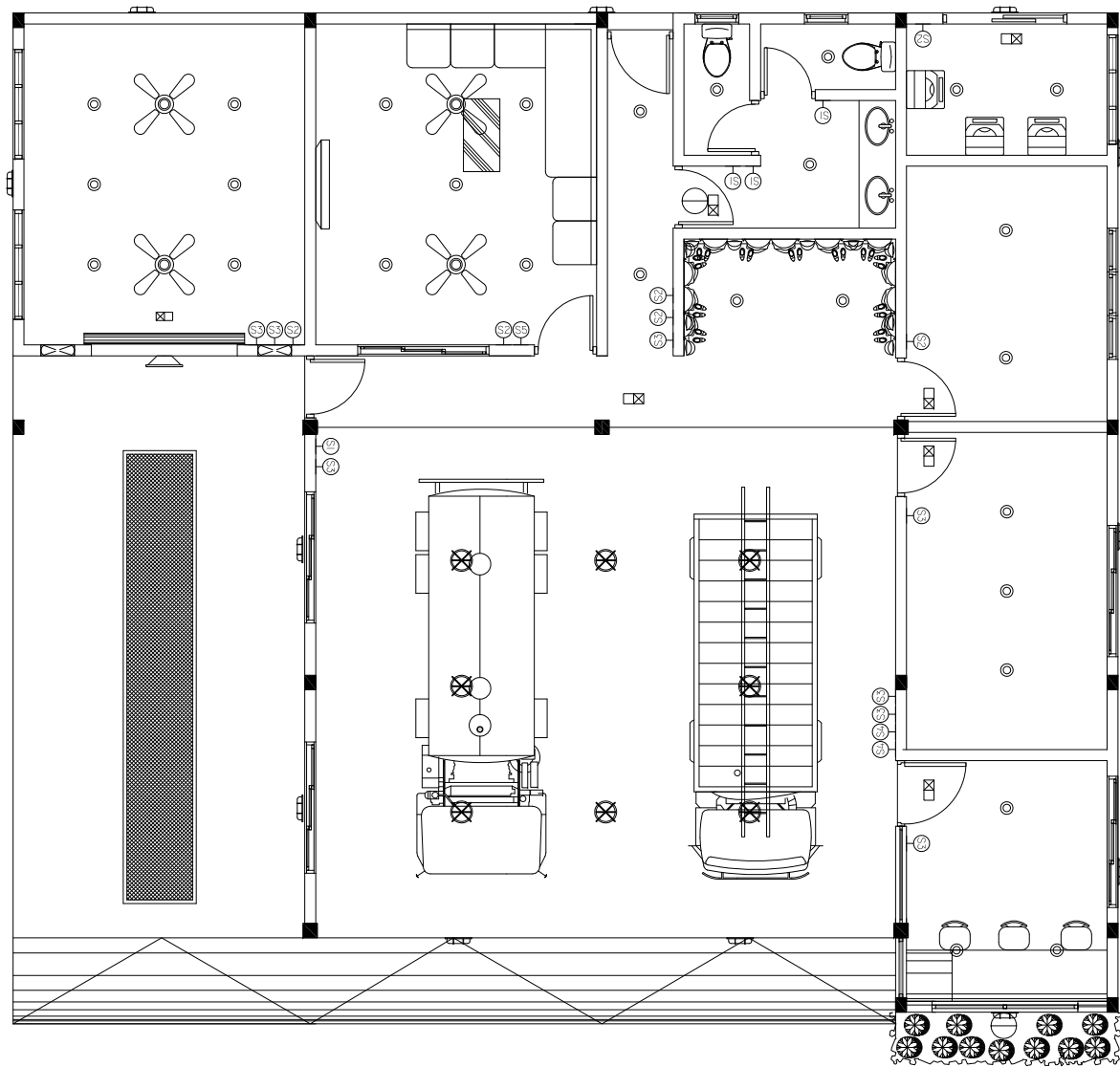
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|--------------------------------------|---------------|
| FLT. MOHAMED SHIFAU Architectural | |
| | Structural |
| Electrical & Mechanical | Communication |

| | |
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











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LIGHTING LAYOUT
SCALE 1:100

LEGEND:

| SYMBOL | QTY | DESCRIPTION |
|---|-----|---|
|  | 04 | ORDINARY CEILING FAN |
|  | 01 | 400W FLOOD LIGHT IP65 |
|  | 28 | DOWN LIGHTS C/W 20W ENERGY SAVERS |
|  | 12 | WARM WHITE 8W ES LIGHT WALL MOUNTING TYPE WATER PROOF |
|  | 08 | 50W ENERGY SAVING DAYLIGHT E27 WITH E27 BATTEN HOLDER |
|  | 4 | ONE GANG SWITCH |
|  | 06 | TWO GANG SWITCH |
|  | 08 | THREE GANG SWITCH |
|  | 02 | FOUR GANG SWITCH |
|  | 01 | FAN DIMMER |
|  | 07 | EMERGENCY LIGHT (WALL MOUNT) |
|  | 02 | EXHAUST FAN INDUSTRIAL |

NOTE:
ALL SWITCHES @ 1.2 FROM FFL

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

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VICE CHIEF OF DEFENCE FORCE

RECOM. APPROVAL:

CPT. AHMED SHARIM
OFFICER COMMANDING

APPROVED:

MAJ. GEN. AHMED SHIYAM
CHIEF OF DEFENCE FORCE

APPROVED DATE:

DESIGNED:

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Architectural

CPL. AHMED SHAZEEL
Structural

CHECKED:

FLT. MOHAMED SHIFAU
Architectural

Structural

Electrical & Mechanical

Communication

DRAWN:

LCPL. ALI MUTHASIM

17 September 2015

DATE

SCALE:

1:100

REVISION:

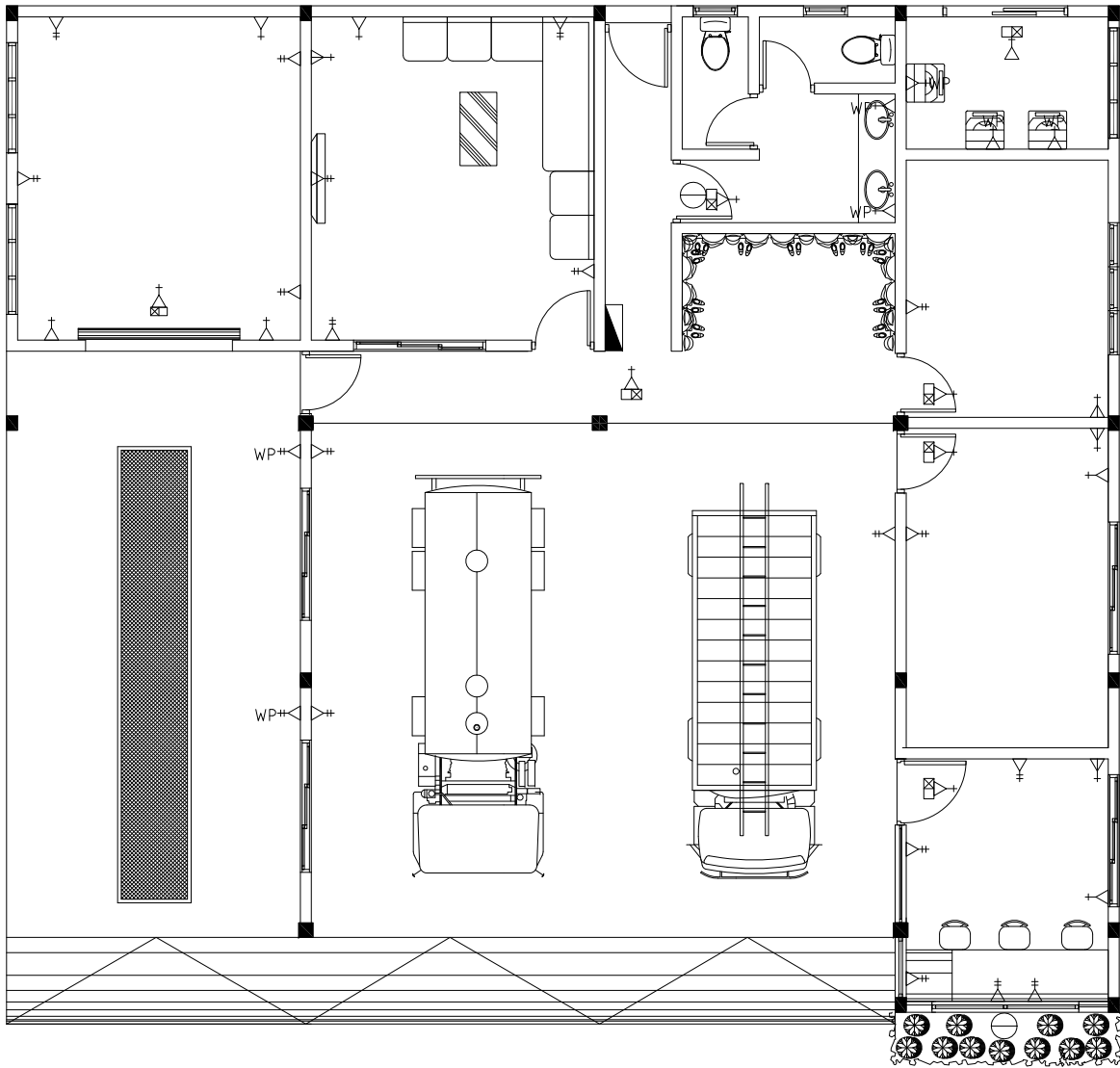
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MALDIVES NATIONAL DEFENCE FORCE
Made in Maldives

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ELECTRICAL LAYOUT
SCALE 1:100

LEGEND:

| SYMBOL | QTY | DESCRIPTION |
|--------|-----|--------------------------------|
| | 02 | 48 CIRCUIT DB WALL ENCASED |
| | 04 | 1x15A POWER OUTLET |
| | 18 | 2x13A POWER OUTLET |
| | 13 | 1x13A POWER OUTLET |
| WP | 02 | 2x13A POWER OUTLET WATER PROOF |
| WP | 05 | 1x13A POWER OUTLET WATER PROOF |

NOTE:
ALL OUTLET @ 0.4 FROM FFL
ALL SWITCHES @ 1.2 FROM FFL

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

BRG. GEN. AHMED SHAHID
VICE CHIEF OF DEFENCE FORCE

RECOM. APPROVAL:

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OFFICER COMMANDING

APPROVED:

MAJ. GEN. AHMED SHIYAM
CHIEF OF DEFENCE FORCE

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PTE. MOHAMED SAIF
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CPL. AHMED SHAZEEL
Structural

CHECKED:

FLT. MOHAMED SHIFAU
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Structural

Electrical & Mechanical

Communication

DRAWN:

LCPL. ALI MUTHASIM

17 September 2015

DATE

SCALE:

1:100

REVISION:

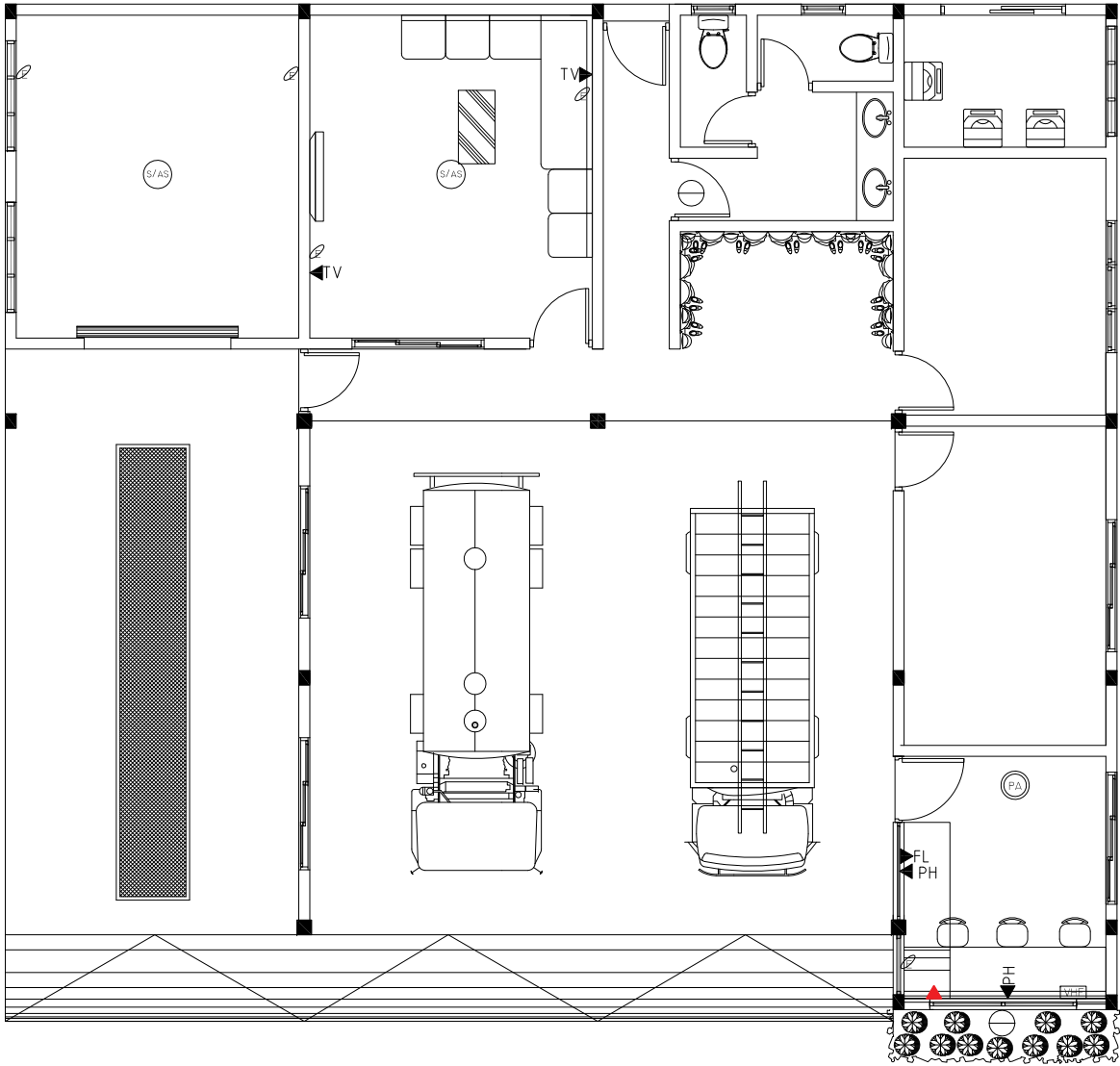
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Male', Republic of Maldives

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COMM OUTLET LAYOUT
SCALE 1:100

LEGEND:

| SYMBOL | QTY | DESCRIPTION |
|--------|-----|---|
| ▶TV | 02 | TV OUTLET |
| ▶PH | 02 | TELEPHONE OUTLET |
| ▶ | 01 | TELEPHONE OUTLET(HOT LINE) |
| ⬢ | 05 | ETHERNET CAT6 DUAL FACE PLATE (DO NOT SPLIT) |
| VHF | 01 | VHF BASE SYSTEM |
| ▶FL | 01 | FAX LINE |
| ⊙PA | 01 | PA SYSTEM |
| ⊙S/AS | 02 | SPEAKER / ALARM SYSTEM |

NOTE:
ALL OUTLET @ 0.4 FROM FFL

ALL ETHERNET CAT 6 ARE DUAL CONNECTION
FACE PLATES. DO NOT SPLIT. CABLE FOR EACH

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

BRG. GEN. AHMED SHAHID
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RECOM. APPROVAL:

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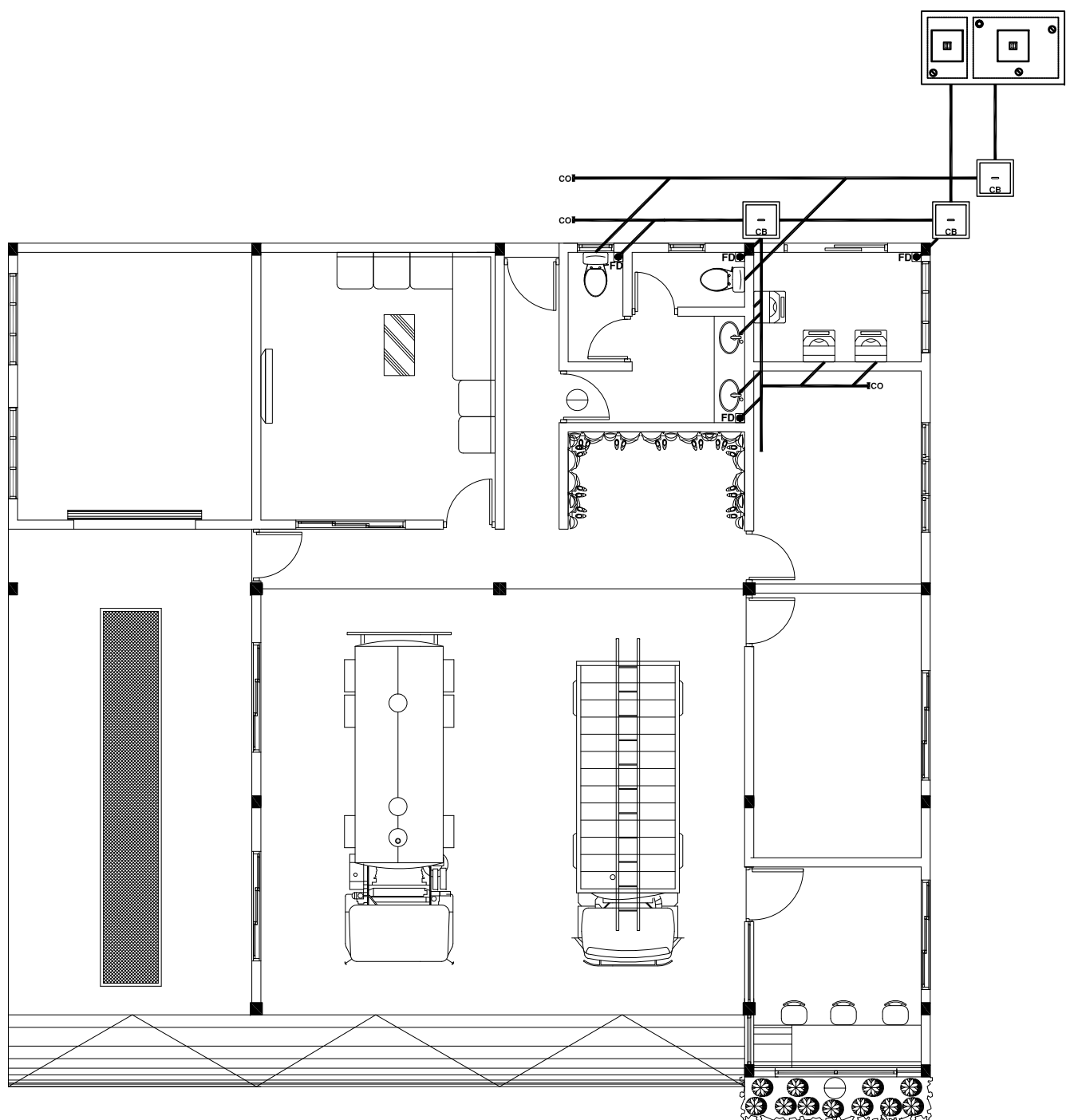
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LEGEND:

FD

FLOOR DRAIN

CB

CATCH BASIN

—

100mm Ø SOLID WASTE LINE

100mm Ø LIQUID WASTE LINE

SEPTIC TANK

SEWERAGE LAYOUT
SCALE 1:100

FIRE STATION

A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

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RECOM. APPROVAL:

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DRAWN:

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LCPL. ALI MUTHASIM

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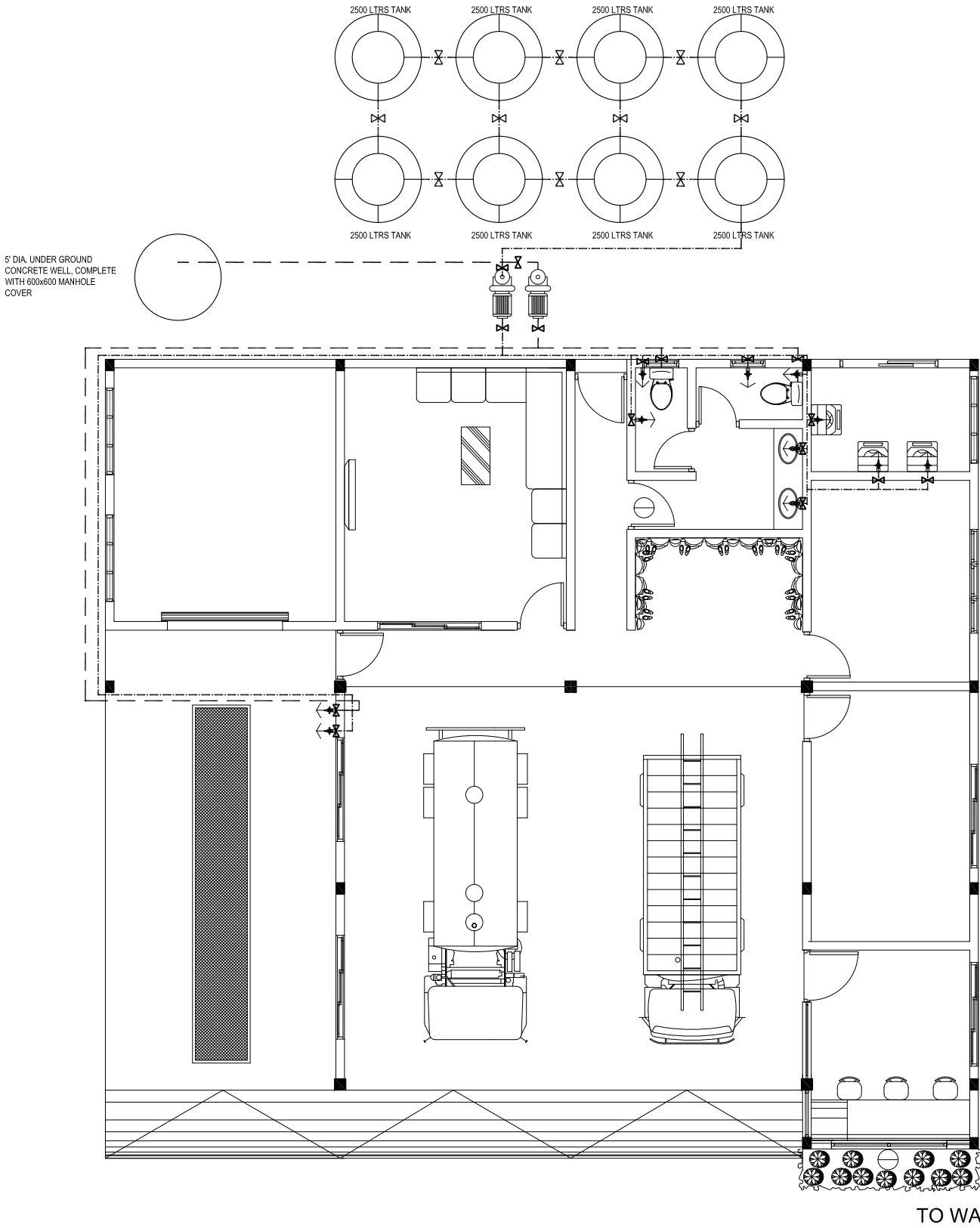
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PLUMBING LAYOUT

SCALE 1:100

FIRE STATION
A.DH. MAAMIGILI

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APPROVED DATE:

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Structural

CHECKED:

FLT. MOHAMED SHIFAU
Architectural

Structural

Electrical & Mechanical

Communication

DRAWN:

LCPL. ALI MUTHASIM

17 September 2015

DATE

SCALE:

1:100

REVISION:

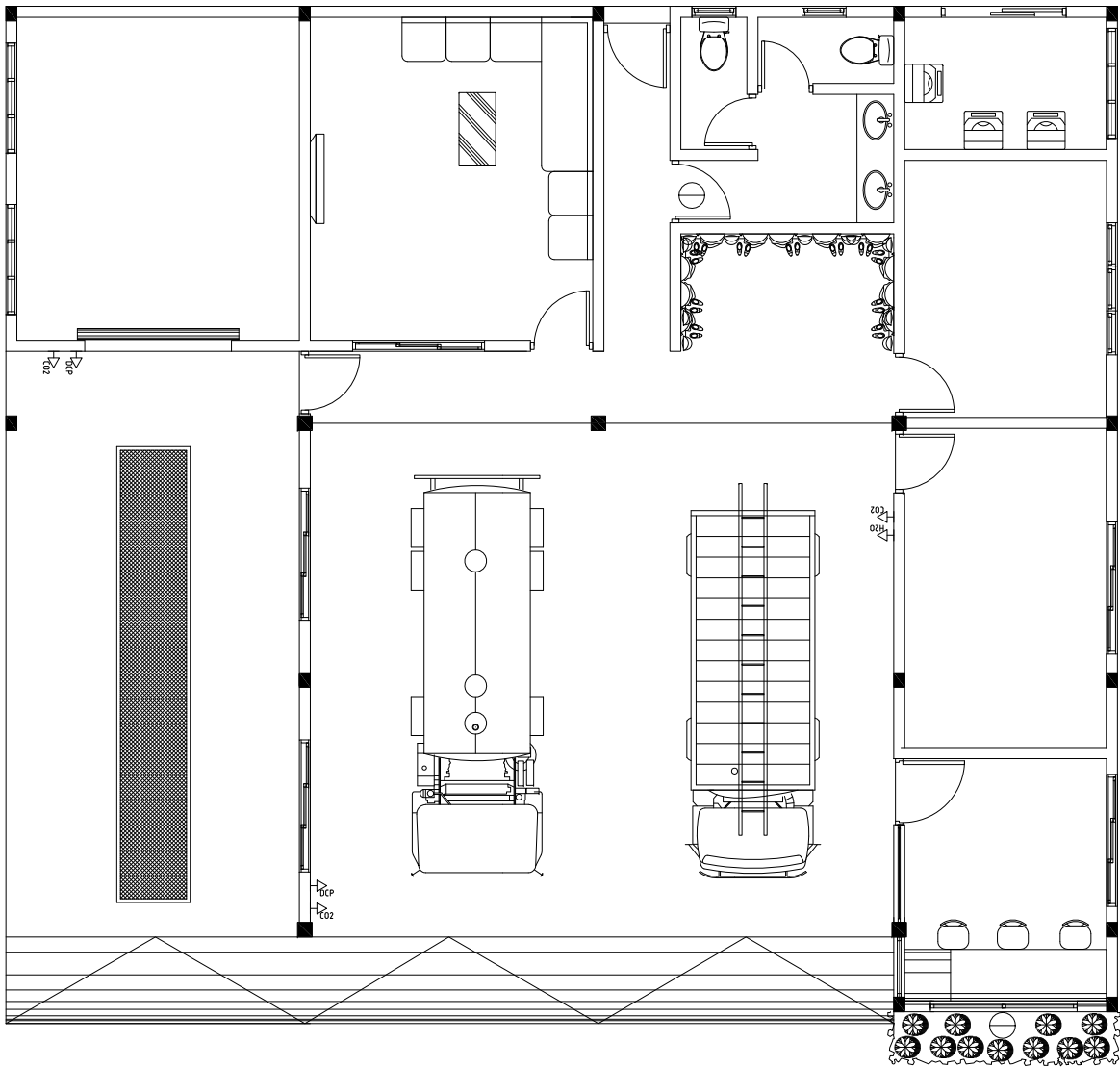
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FIRE LAYOUT
SCALE 1:100

LEGEND:

SYMBOL DESCRIPTION

- H_{CO2} EXTINGUISHER (2KG CO2) WITH CABINET
- H_{DCP} DRY CHEMICAL POWER EXTINGUISHER (6KGS) WITH CABINET
- H_{H2O} EXTINGUISHER (9 LITER H2O) WITH CABINET

NOTE:

- ALL MATERIALS AND WORKMANSHIP SHALL BE ACCORDING TO MNDF FRS REGULATIONS.

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

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RECOM. APPROVAL:

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APPROVED:

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Structural

CHECKED:

FLT. MOHAMED SHIFAU
Architectural

Structural

Electrical & Mechanical

Communication

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SCALE:

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REVISION:

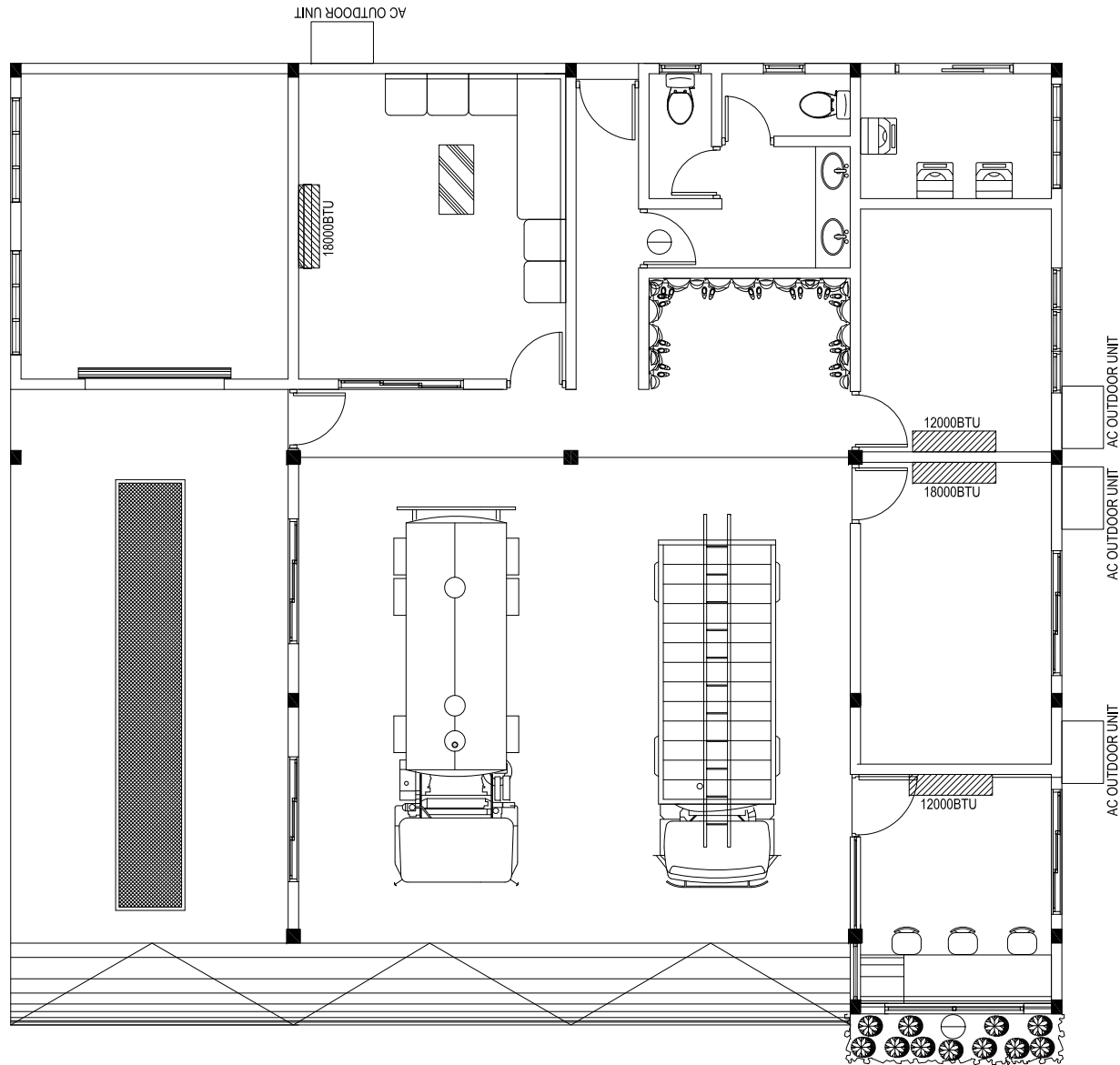
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LEGEND:

| SYMBOL | DESCRIPTION |
|--------|--------------|
| | OUTDOOR UNIT |
| | INDOOR UNIT |

AC LAYOUT
SCALE 1:100

FIRE STATION
A.DH. MAAMIGILI

SHEET CONTENT:

DESIGN APPROVAL:

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RECOM. APPROVAL:

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MAJ. GEN. AHMED SHIYAM
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17 September 2015

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SCALE:

1:100

REVISION:

DATE:

SHEET NO:



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