

FRS SUBSTATION
HA.DHIDHOO

SHEET CONTENT:

RECOM. APPROVAL:

COL. AHMED SHARIM
COMMANDING OFFICER

DESIGN APPROVAL:

BG. HAMID SHAFEEQ
COMMANDANT, SERVICE CORPS

APPROVED:

MG. ABDULLA SHAMAAL
CHIEF OF DEFENCE FORCE

DESIGNED:

WO2. ALI MUTHASIM Architectural	WO2. AHMED SHAZEEL Structural
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CHECKED:

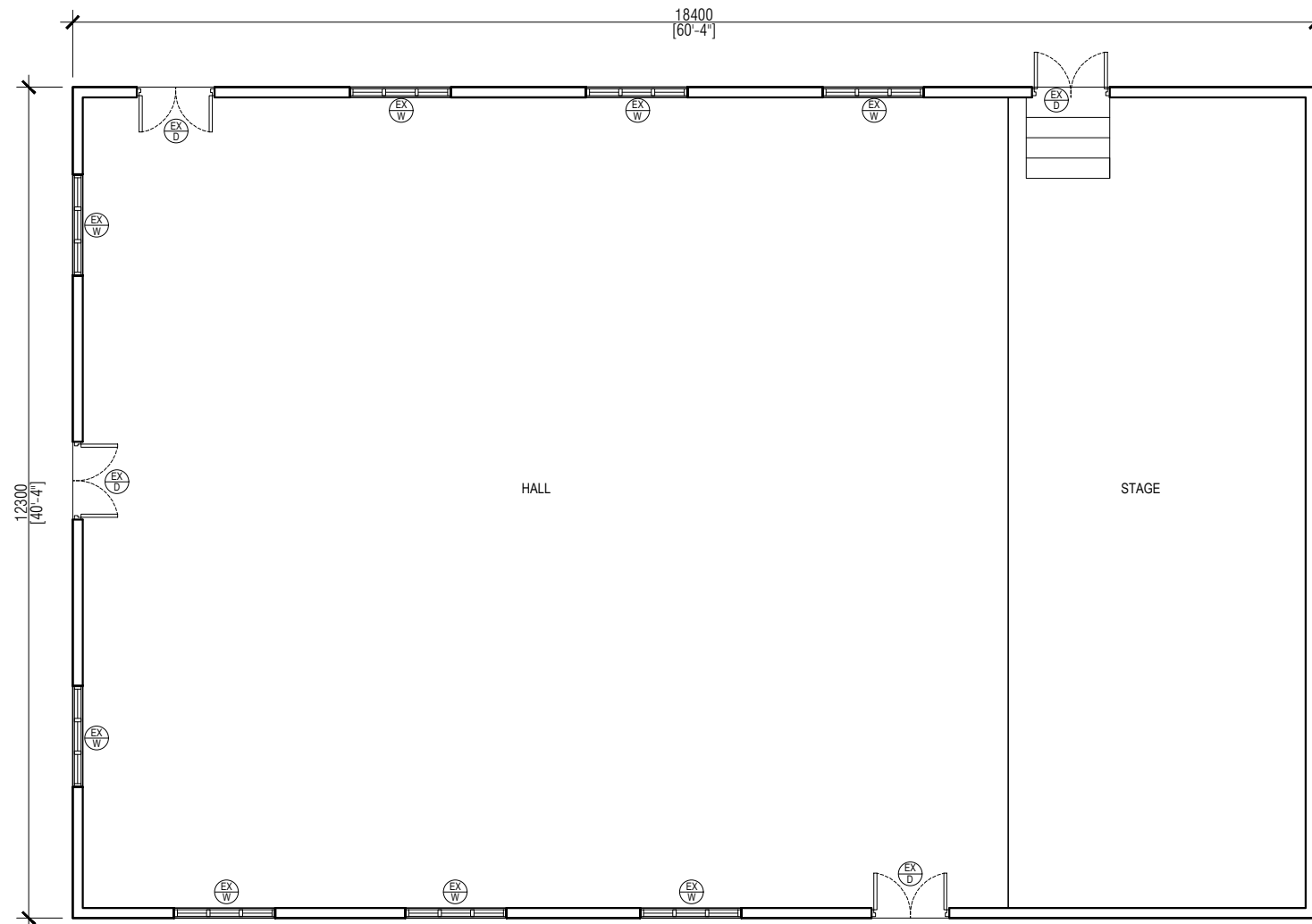
COL. AHMED SHARIM
COMMANDING OFFICER

DRAWN: WO2. ALI MUTHASIM	REVISION:
DATE: 16/12/2022	DATE:
SCALE: AS SHOWN	SHEET NO:



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FRS SUBSTATION SITE PLAN (HA. DHIHDHOO)
SCALE 1:150



EXISTING FLOOR PLAN
SCALE 1:100

FRS SUBSTATION
HA.DHIDHDHOO

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WO2. AHMED SHAZEEL
Structural

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WO2. ALI MUTHASIM

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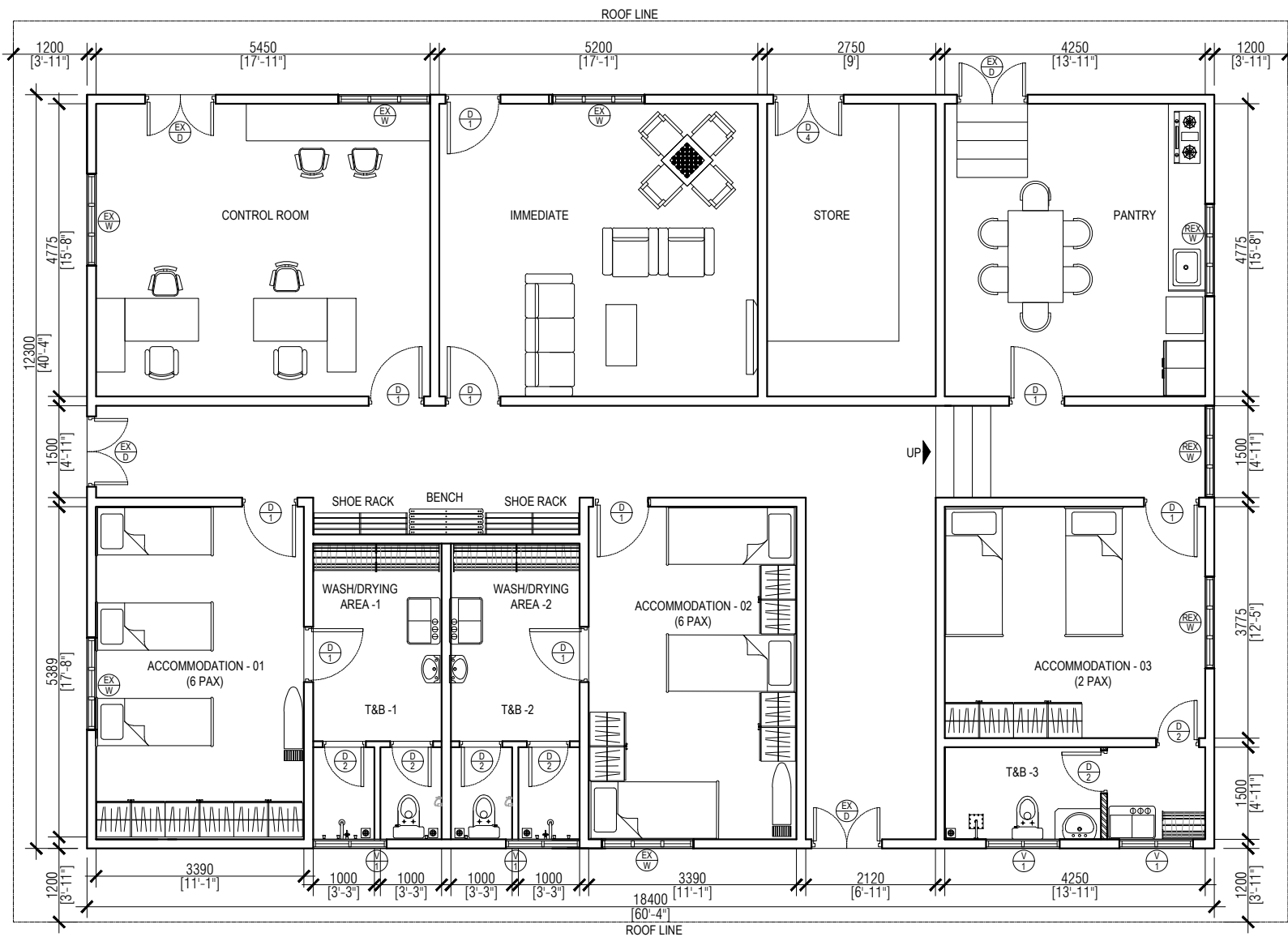
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MALDIVES NATIONAL DEFENCE FORCE
Male', Republic of Maldives

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PROPOSED FLOOR PLAN
SCALE 1:100

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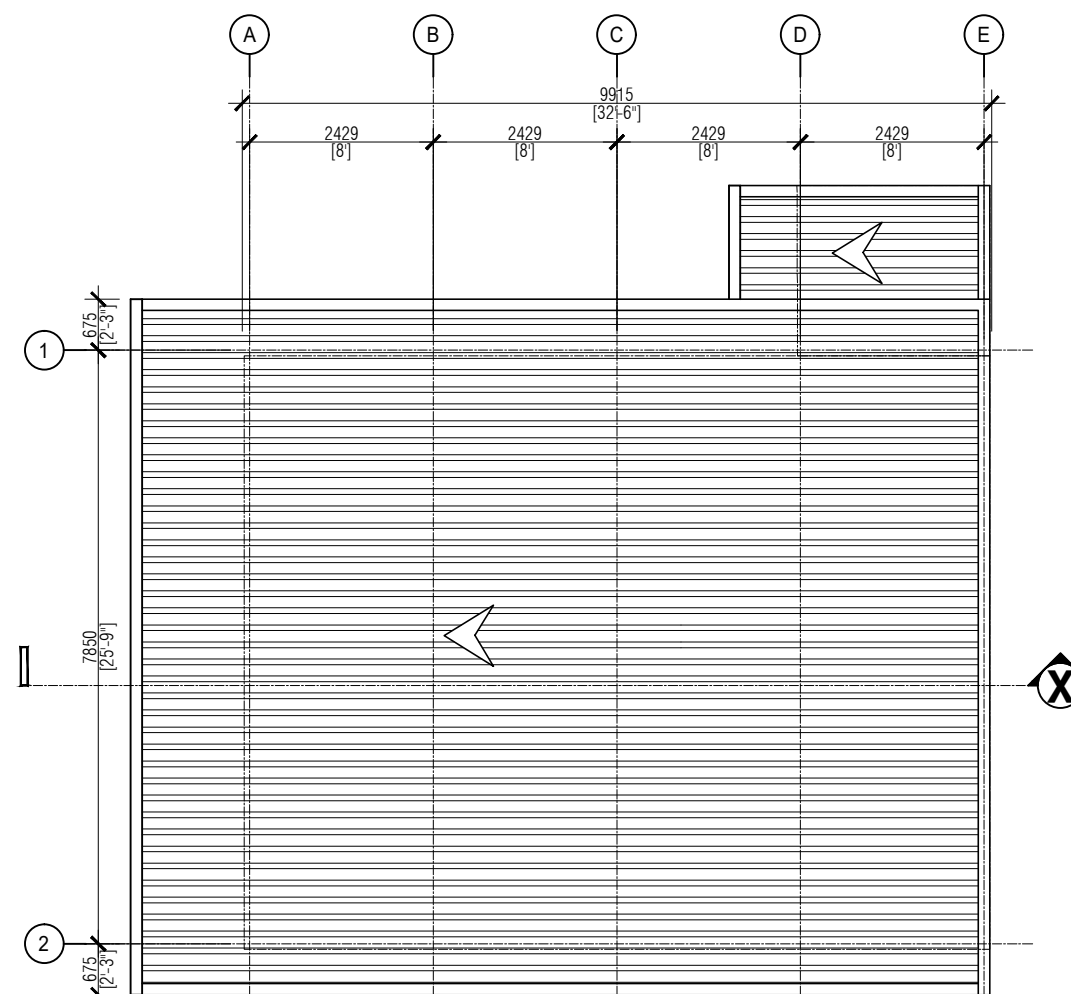
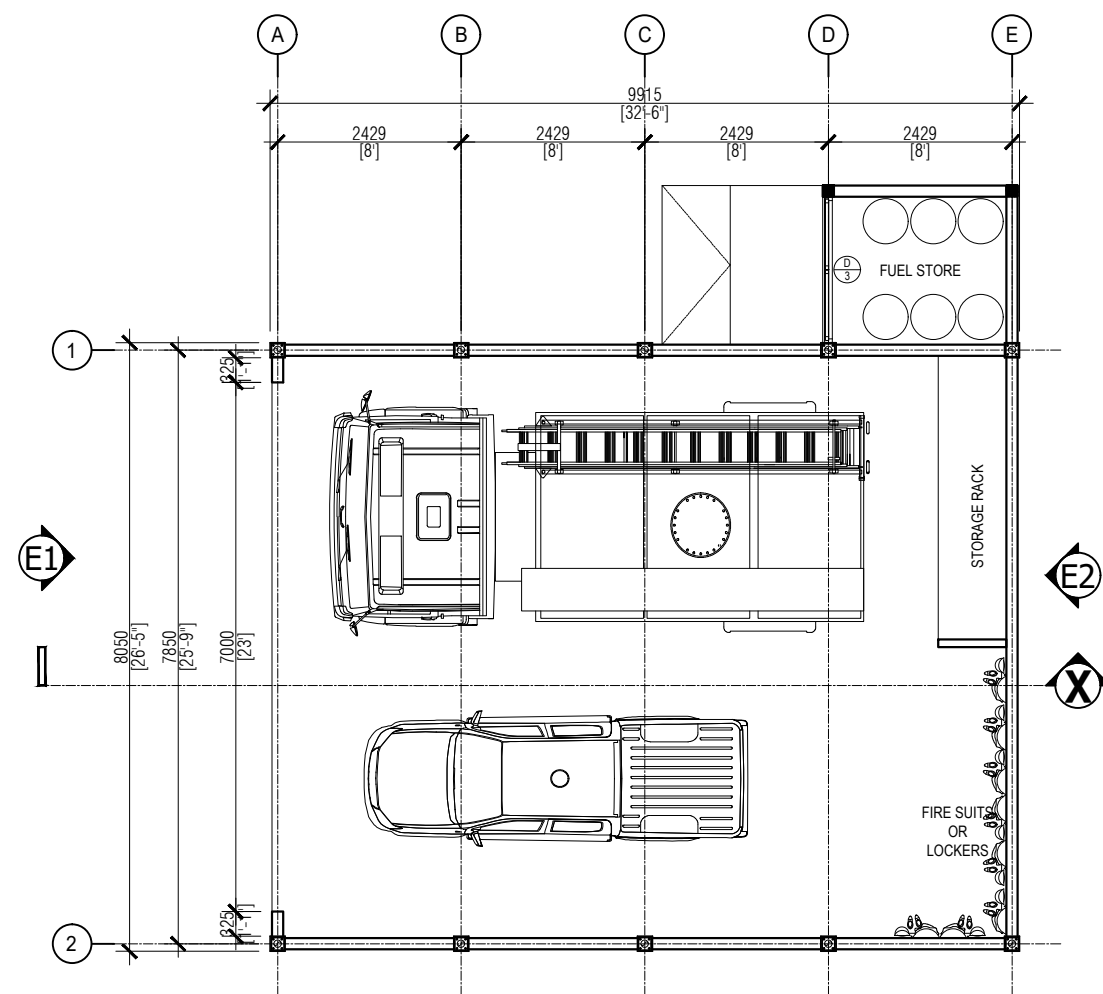
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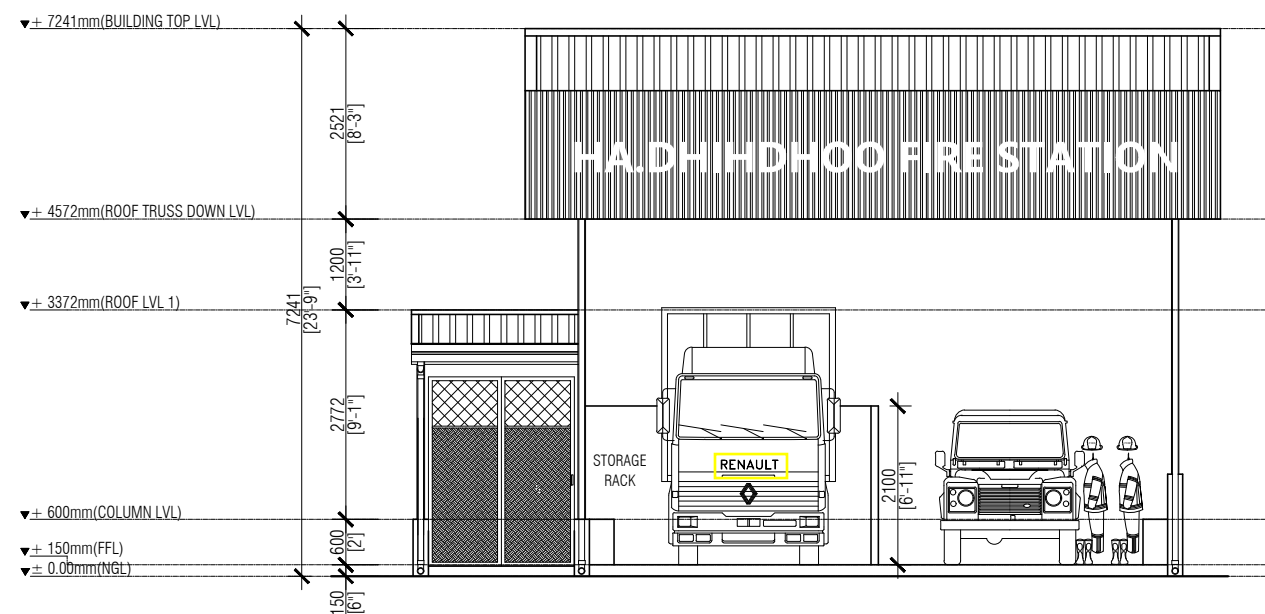
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ELEVATION (E1)

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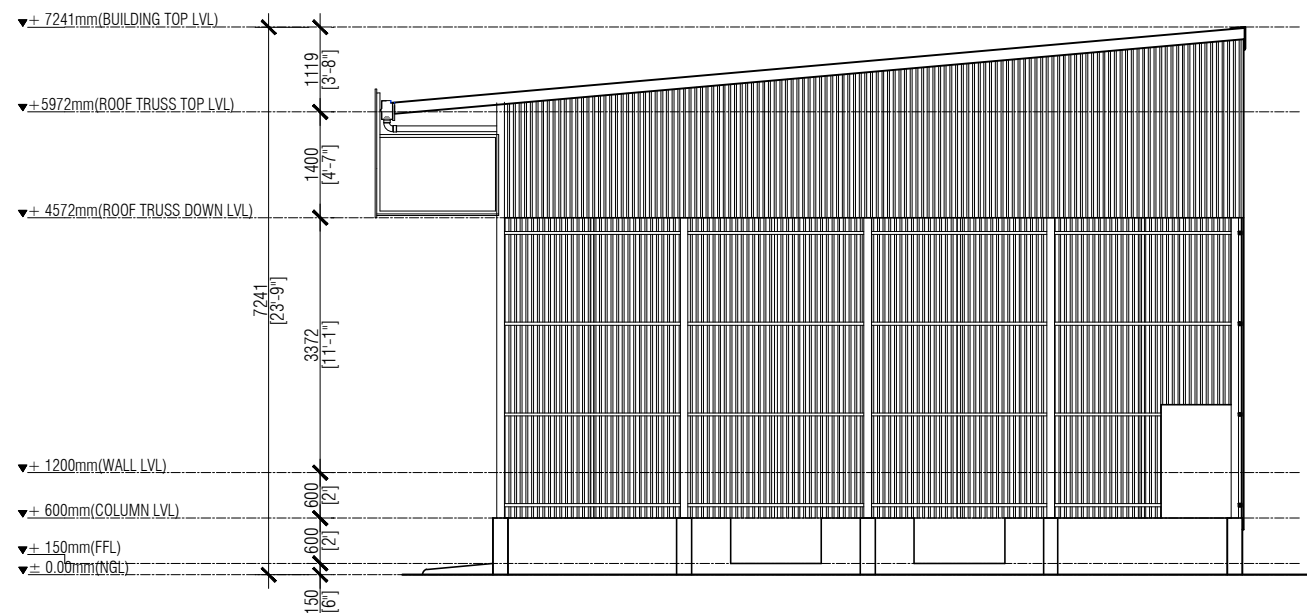
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ELEVATION (E2)

SCALE 1:100

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SCALE:

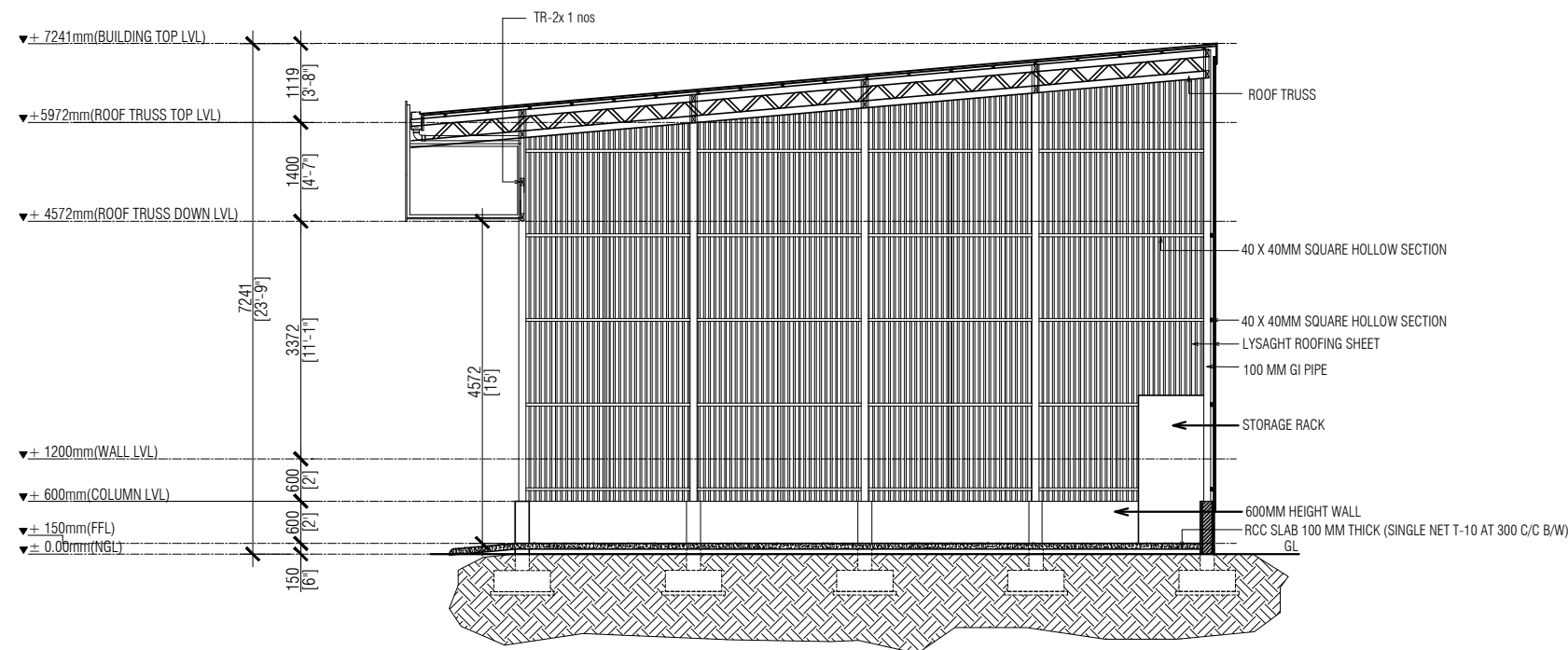
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SECTION X-X

SCALE 1:100

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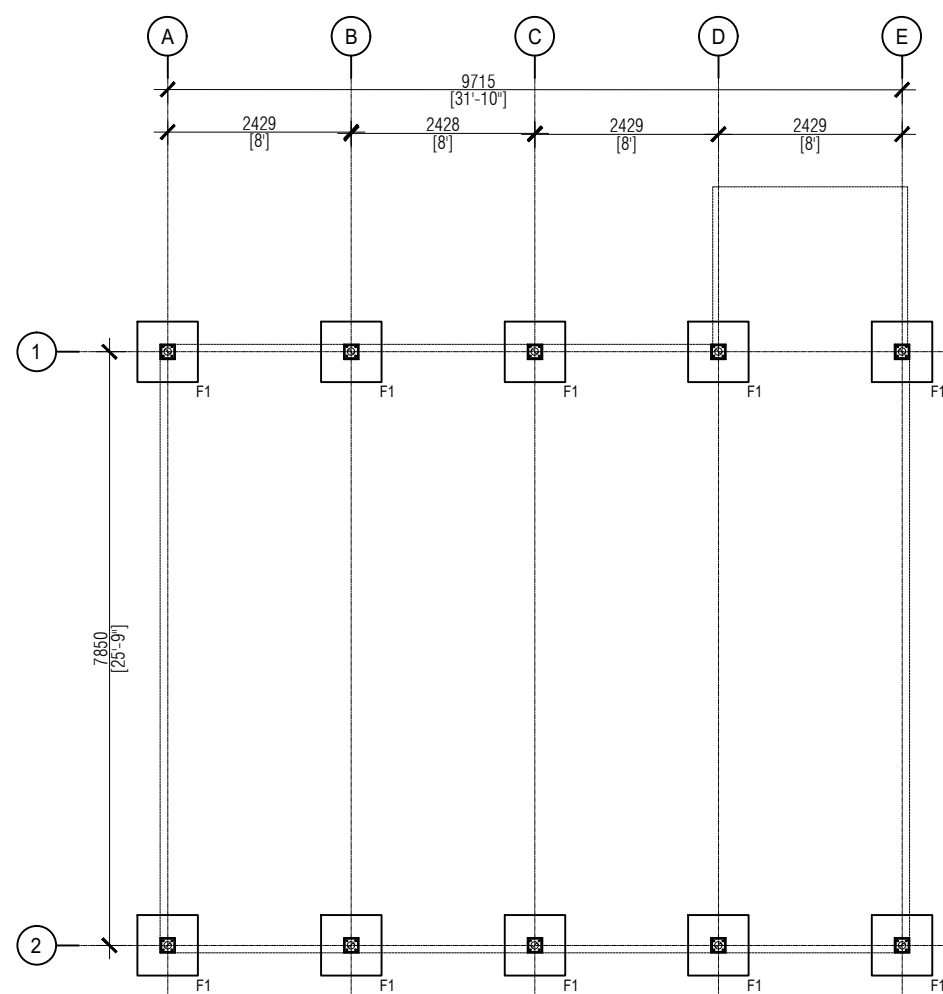
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SCALE:
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FOOTING & COLUMN PLAN
SCALE 1:100



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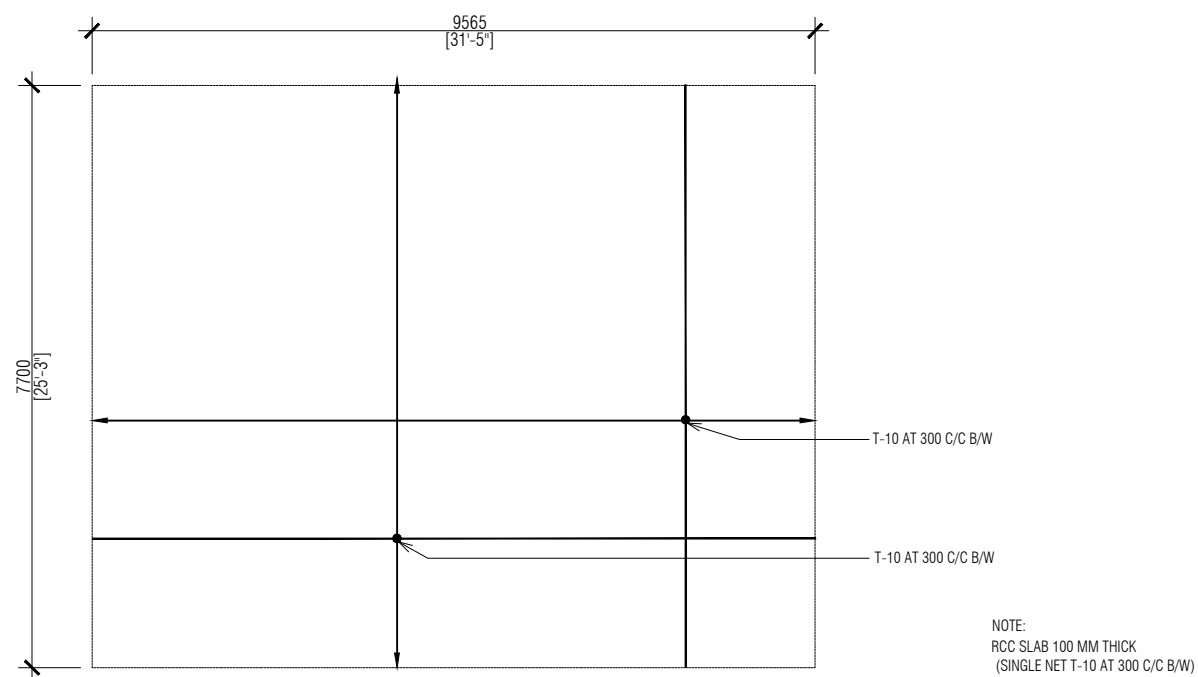
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GROUND SLAB

SCALE 1:100

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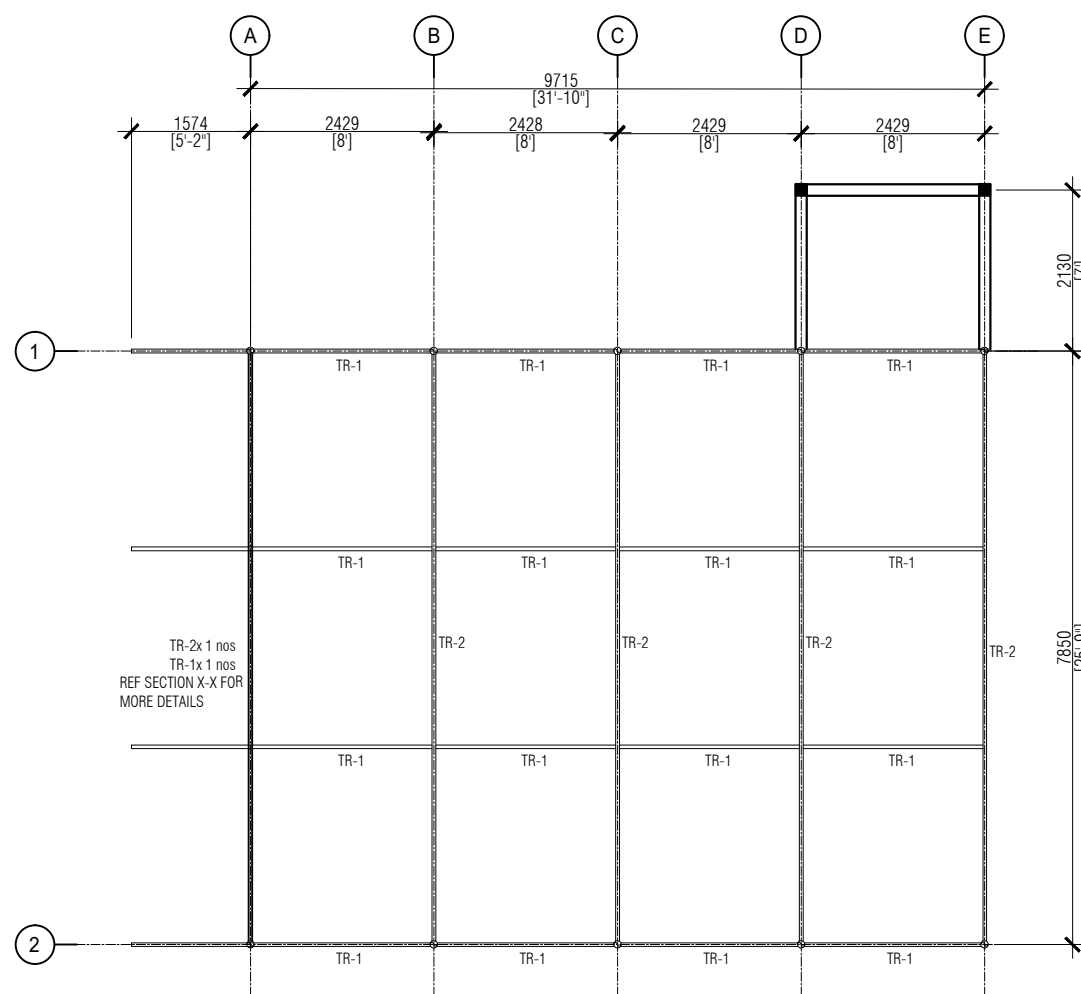
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ROOF TRUSS LAYOUT

SCALE 1:100

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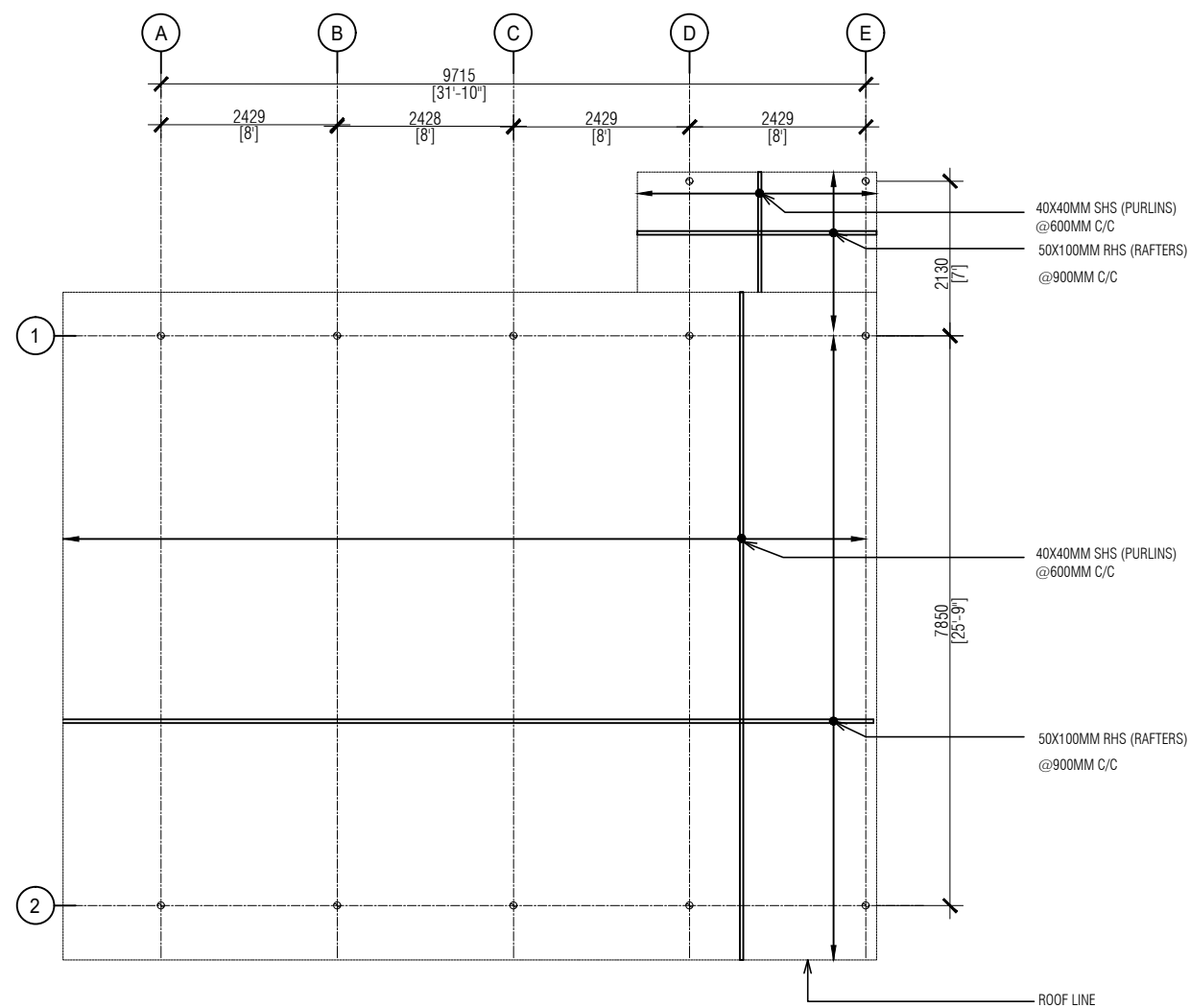
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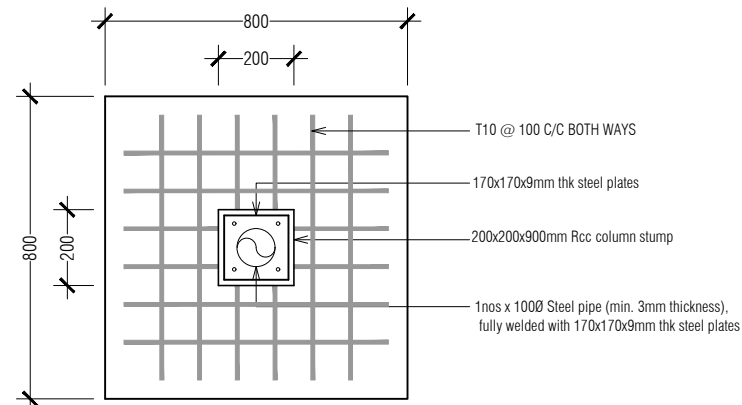
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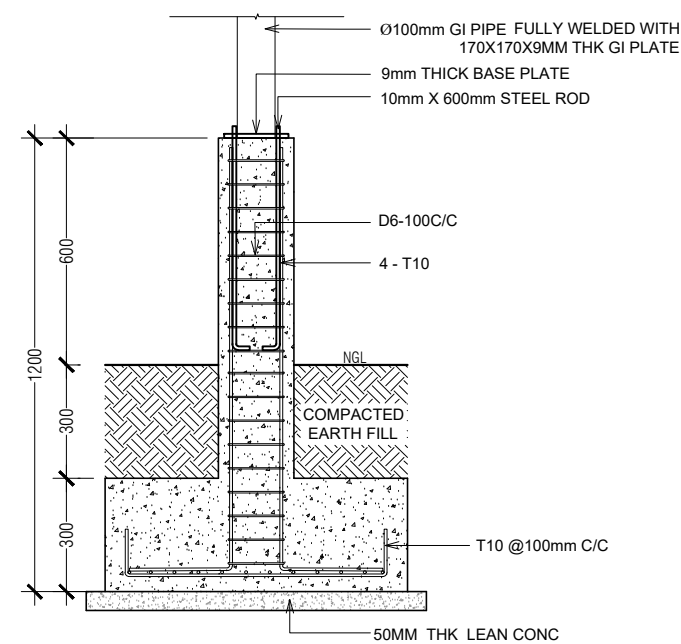


ROOF FRAME LAYOUT

SCALE 1:100



FOOTING PLAN (F1)



FOOTING SECTION (F1)

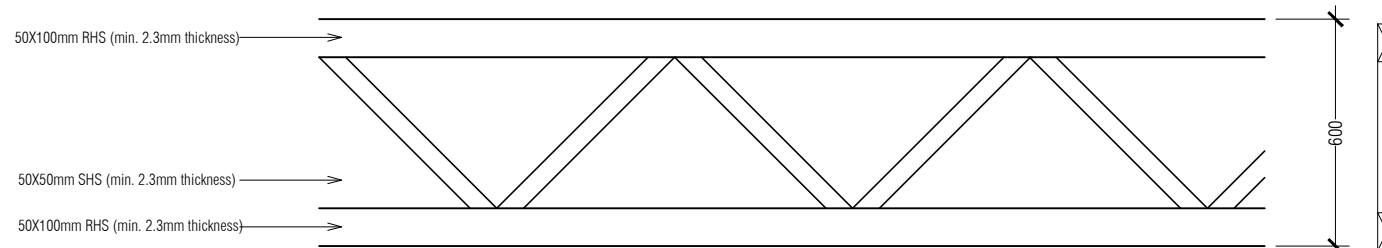
TYPE	SIZE	REINFORCEMENT
F1	800 x 000 x 300 MM	T10 @ 100mm C/C BOTH WAYS

FOUNDATION DEPTH = 600 MM BELOW GROUND LEVEL

FOUNDATION DETAILS

SCALE 1:20

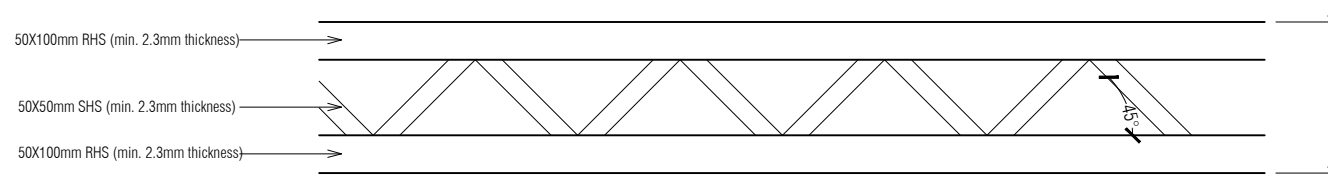
NOTE:
*ALL JOINTS AND CONNECTIONS TO BE FULLY WELDED AND PAINTED WITH 2 COATS OF RED OXIDE



ROOF TRUSS DETAILS (TR2)

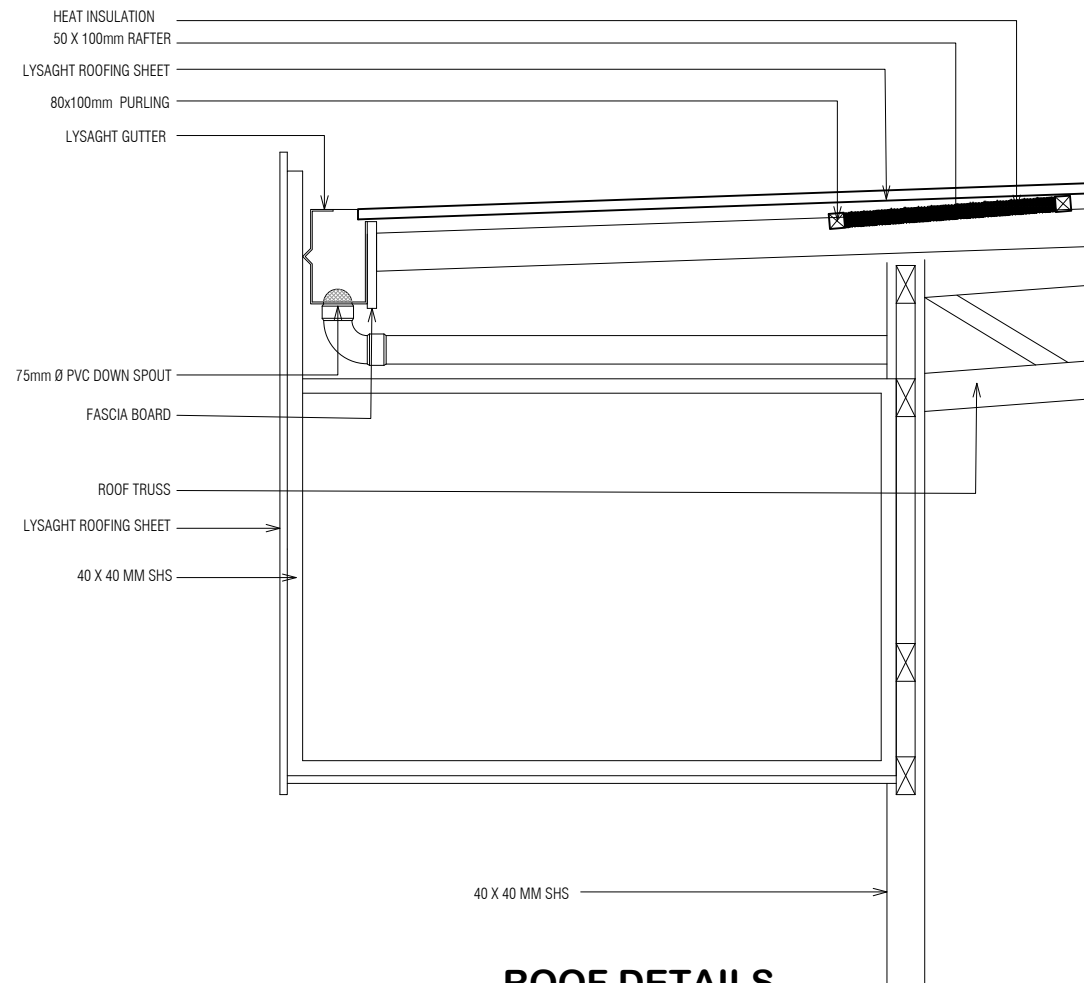
SCALE 1:20

NOTE:
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ROOF TRUSS DETAILS (TR1)

SCALE 1:20



ROOF DETAILS

SCALE 1:20

FRS SUBSTATION
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NAME	SIDE HUNG DOOR	SIDE HUNG DOOR	2 SIDE HUNG DOOR	LOUVERS
PLAN				
ELEVATION				
	▲ ± FINISH FLOOR LEVEL	▲ ± FINISH FLOOR LEVEL	▲ ± FINISH FLOOR LEVEL	▲ ± FINISH FLOOR LEVEL
SYMBOL	$\frac{D}{1}$ TOTAL = 09 nos.	$\frac{D}{2}$ TOTAL = 06 nos.	$\frac{D}{3}$ TOTAL = 01 nos.	$\frac{V}{1}$ TOTAL = 04 nos.
LOCATION	Gr flr	Gr flr	Gr flr	Gr flr
QUANTITY	09	06	01	04
DOOR FRAME	SOLID WOOD	PVC DOOR	GI HOLLOW SECTION	EMBEDDED TO WALL
FINISHES	VARNISHED			ALUMINUM FINISH
TYPE	4 HINGE SIDE HUNG DOOR	3 HINGE PVC DOOR	3 HINGE SIDE HUNG DOOR	LOUVERS
REMARKS	TOP FIXED GLASS			REMARKS WHITE POWDER COATED ALUMINUM

NAME	TWO SIDE HUNG DOOR
PLAN	
ELEVATION	
	▲ ± FINISH FLOOR LEVEL
SYMBOL	$\frac{D}{4}$ TOTAL = 01 nos.
LOCATION	Gr flr
QUANTITY	01
DOOR FRAME	SOLID WOOD
FINISHES	VARNISHED
TYPE	4 HINGE SIDE HUNG DOOR
REMARKS	TOP FIXED GLASS

DOOR / WINDOW SCHEDULE

SCALE 1:50

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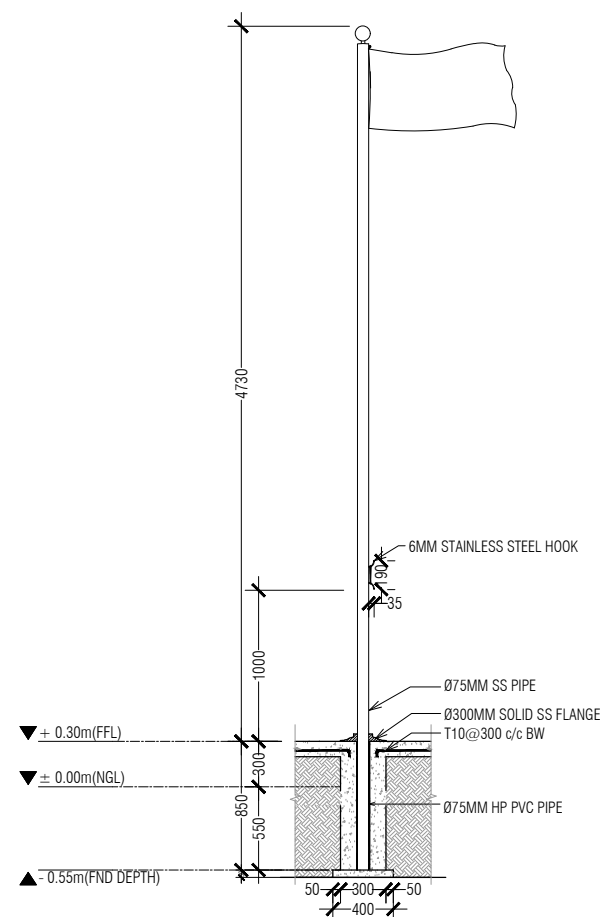
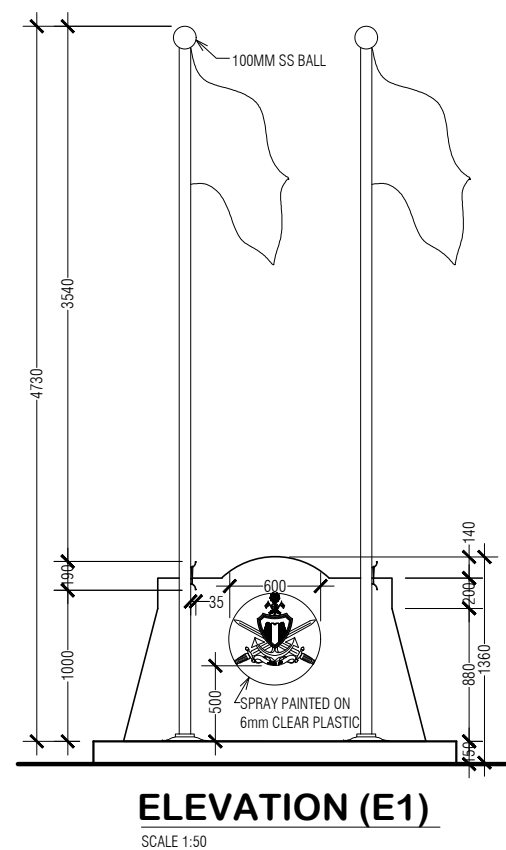
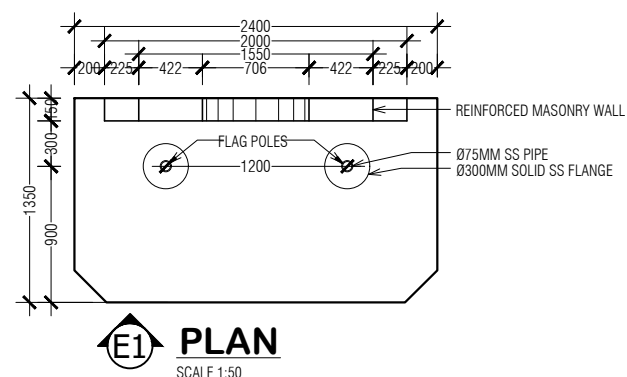
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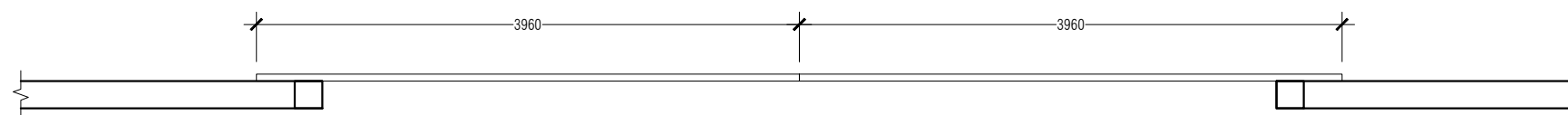
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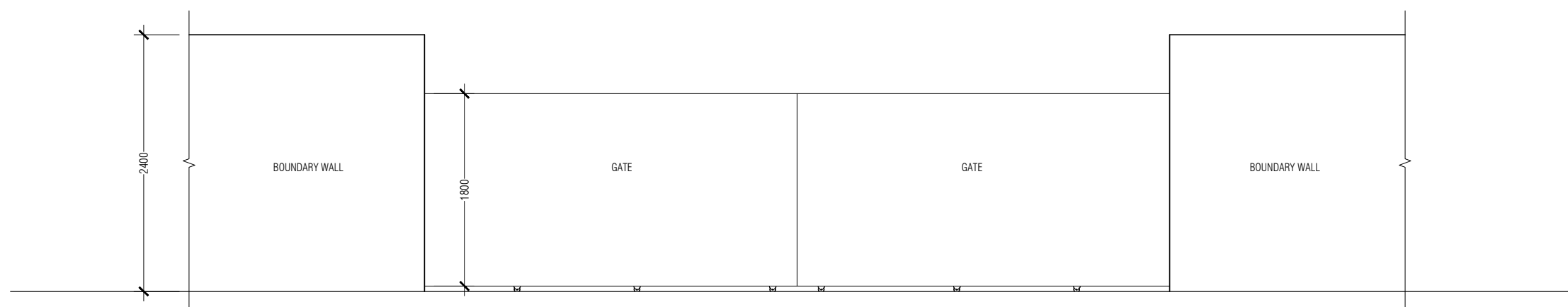
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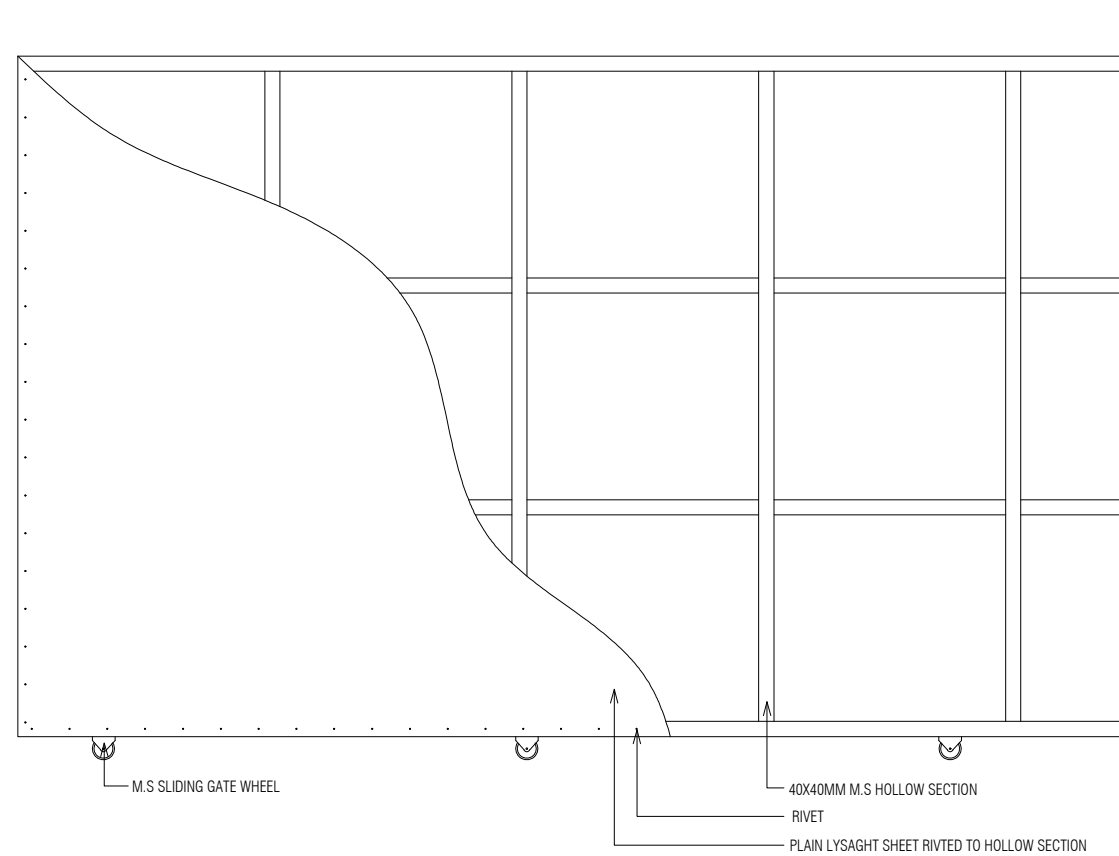
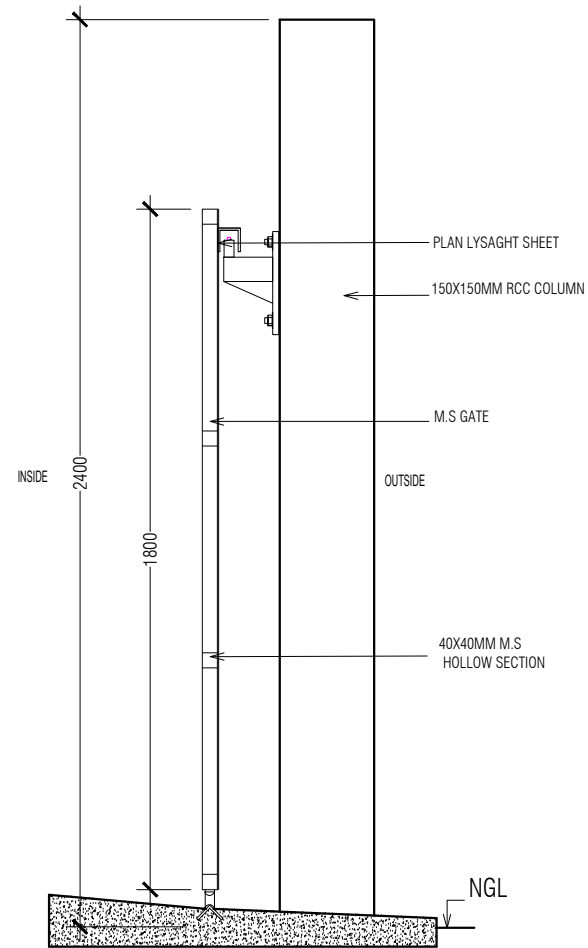
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GATE PLAN
SCALE 1:50



GATE FRONT ELEVATION
SCALE 1:50



TYPICAL GATE DETAIL

SCALE 1:20

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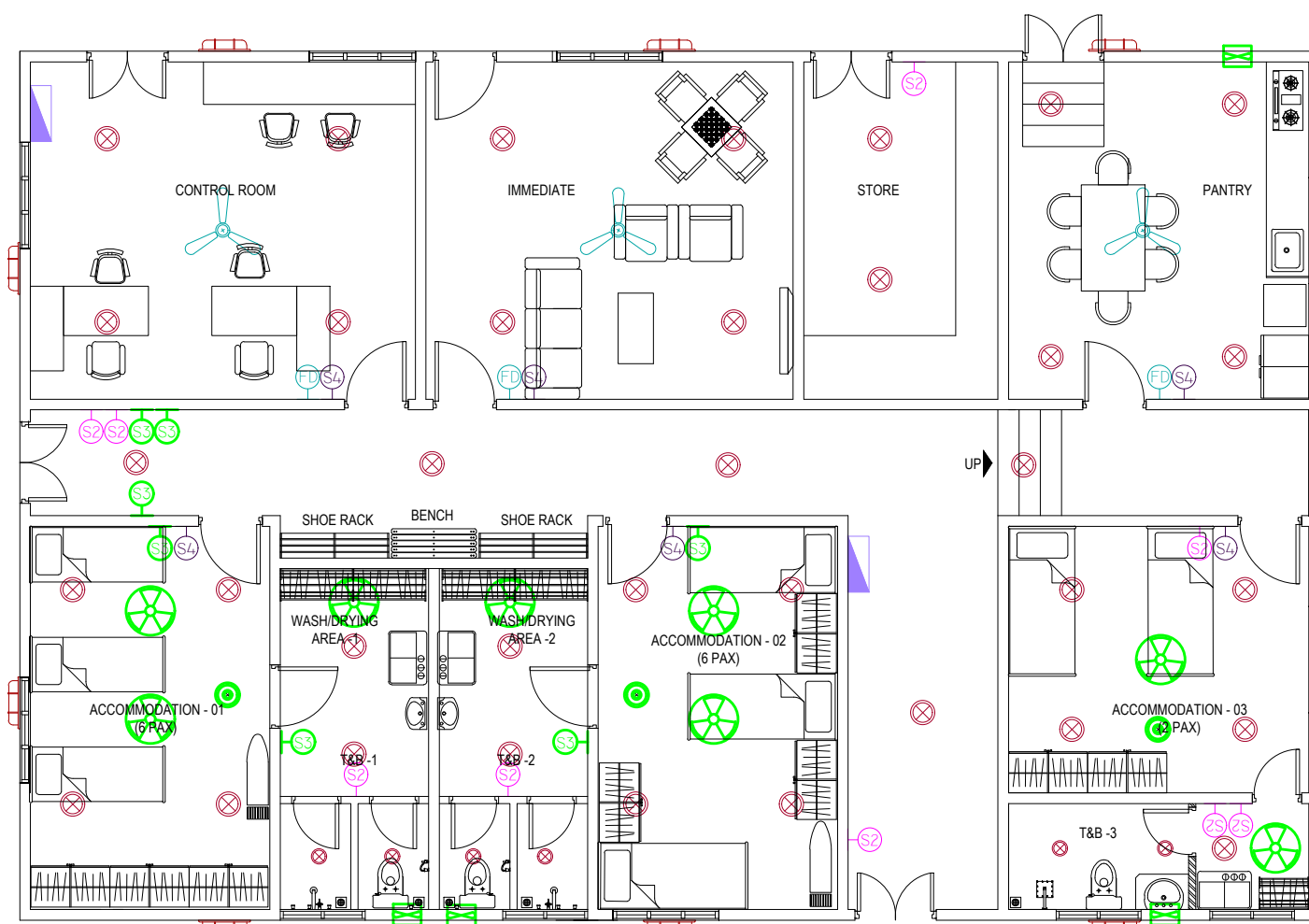
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LIGHTING LAYOUT

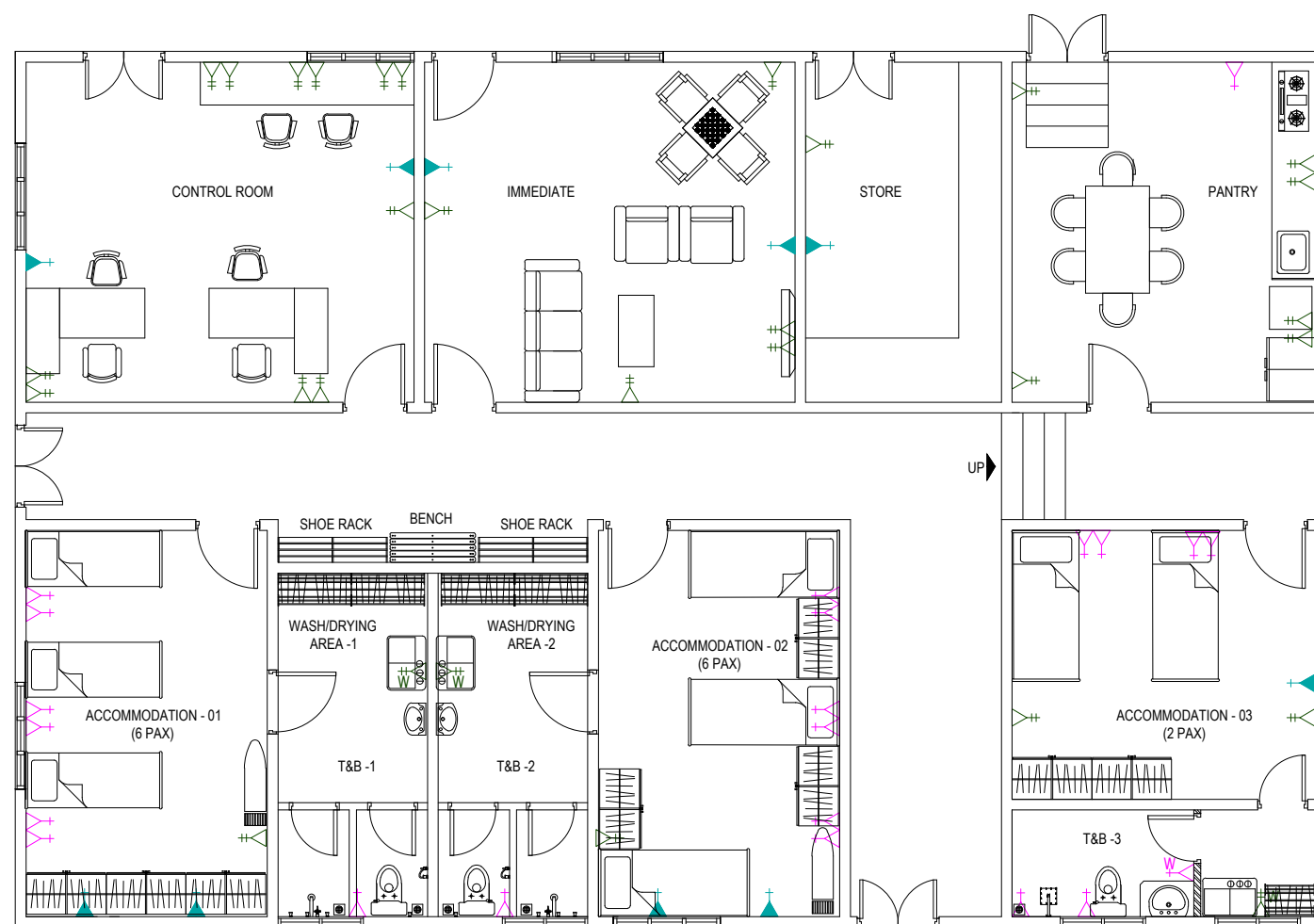
SCALE 1:100

LEGEND:

SYMBOL	QTY	DESCRIPTION
	36	CEILING MOUNT LED LIGHT 18W DAY LIGHT (ROUND)
	06	CEILING MOUNT LED LIGHT 12W DAY LIGHT (ROUND)
	03	THREAD HOLDER E27 (NORMAL) WITH 5W LED LIGHT
	10	LED OUTDOOR LIGHT 12W, WARM WHITE
	03	CEILING FAN 48" (KDK)
	09	SWITCH 2 GANG
	07	SWITCH 3GANG
	06	SWITCH 4 GANG
	03	FAN DIMMER
	02	DISTRIBUTION BOARD
	08	ORBIT FAN 16" (KDK)
	04	EXHAUST FAN

NOTE:

-ALL SWITCHES @1200MM FROM FFL



ELECTRICAL OUTLET LAYOUT

SCALE 1:100

LEGEND:

SYMBOL	QTY	DESCRIPTION
	21	SOCKET SWITCH SINGLE 13A, (ABB / CLIPSAL)
	01	SOCKET SWITCH SINGLE 13A, WATERPROOF (ABB / CLIPSAL)
	03	SOCKET SWITCH SINGLE 15A, (ABB / CLIPSAL)
	10	SOCKET SWITCH SINGLE 15A, (ABB / CLIPSAL)
	27	SOCKET SWITCH DOUBLE 13A, (ABB / CLIPSAL)

NOTE:

-ALL SWITCHES @1200MM FROM FFL

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Structural

CHECKED:

COL. AHMED SHARIM
COMMANDING OFFICER

DRAWN: **WO2. ALI MUTHASIM** REVISION:

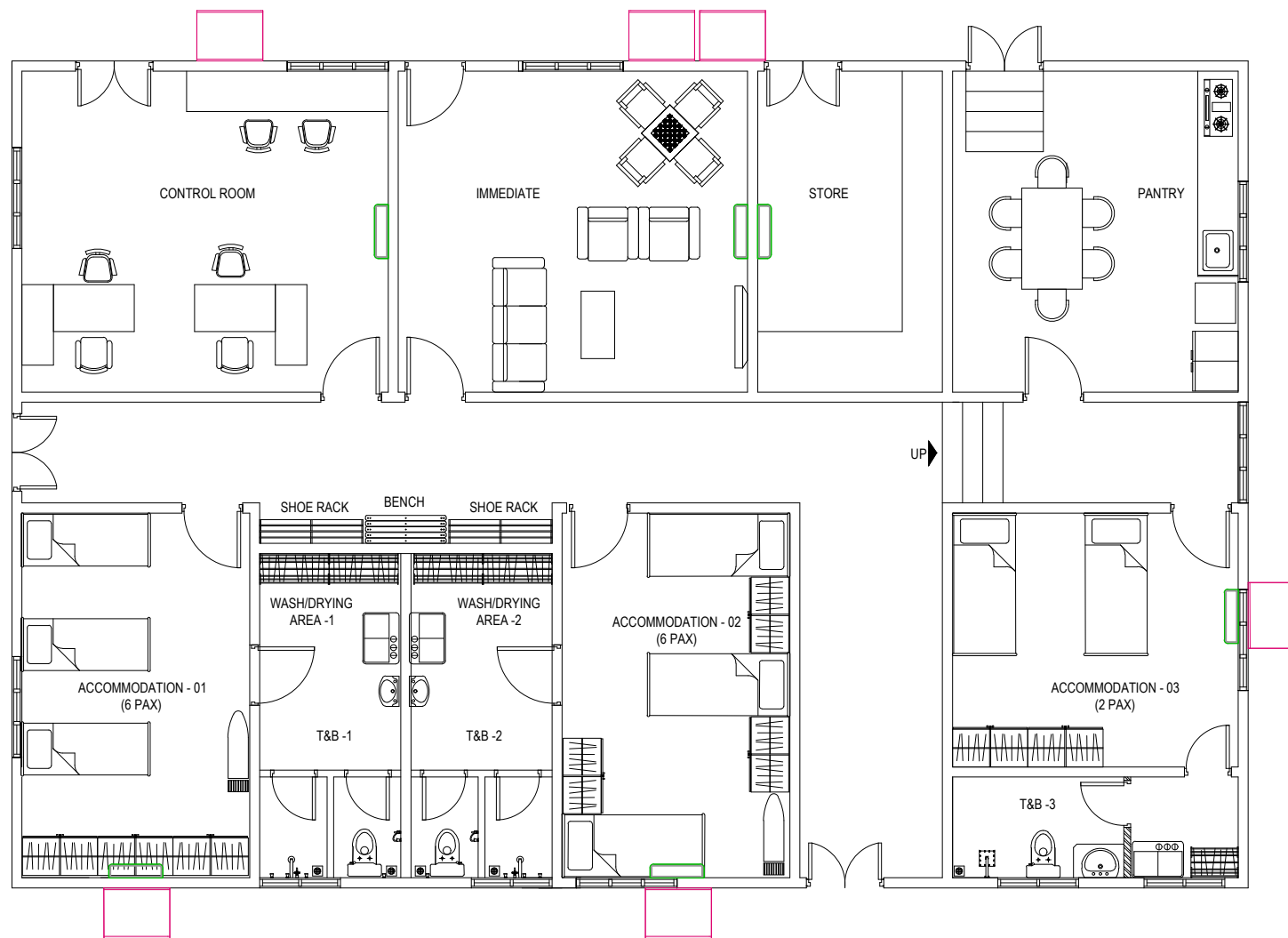
DATE: 16/12/2022 DATE:

SCALE: AS SHOWN SHEET NO:



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

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LEGEND:

SYMBOL	QTY	DESCRIPTION
	06	WALL MOUNT AC UNIT
	06	AC OUTDOOR UNIT

AC LAYOUT

SCALE 1:100

FRS SUBSTATION
HA.DHIDHDHOO

SHEET CONTENT:

RECOM. APPROVAL:

COL. AHMED SHARIM
COMMANDING OFFICER

DESIGN APPROVAL:

BG. HAMID SHAFEEQ
COMMANDANT, SERVICE CORPS

APPROVED:

MG. ABDULLA SHAMAAL
CHIEF OF DEFENCE FORCE

DESIGNED:

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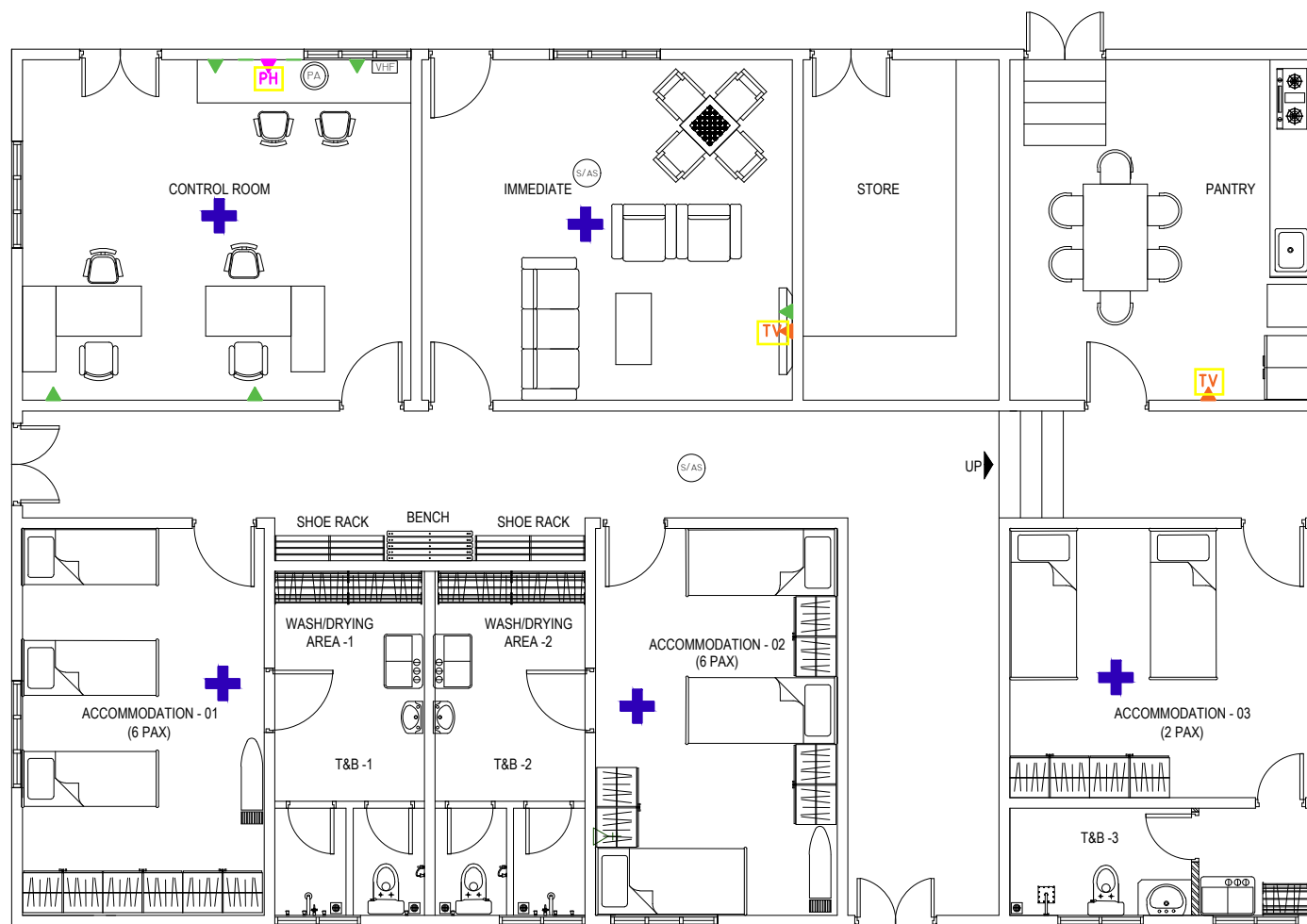
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COMMUNICATION LAYOUT

SCALE 1:100

LEGEND:

SYMBOL	QTY	DESCRIPTION
+	05	WIRELESS ACCESS POINT
PH	01	TELEPHONE OUTLET
TV	02	TV OUTLET
◀▶	05	DUAL NETWORK PORT
PA	01	PA SYSTEM
VHF	01	VHF BASE SYSTEM
S/AS	02	SPEAKER / ALARM SYSTEM

FRS SUBSTATION
HA.DHIDHOO

SHEET CONTENT:

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COMMANDING OFFICER

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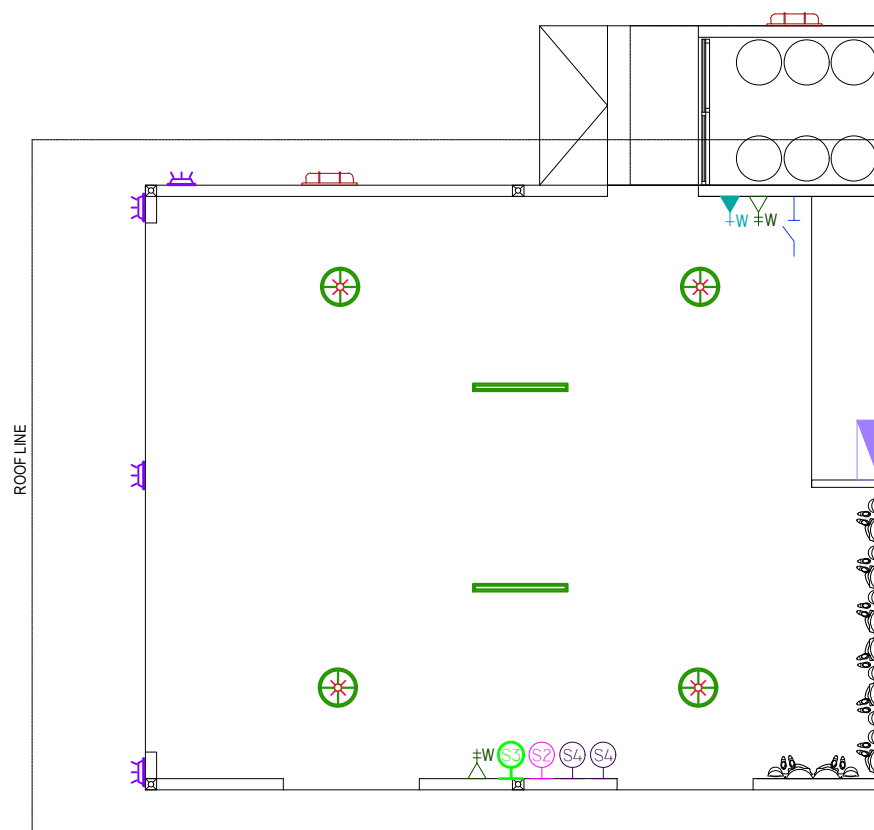
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LIGHTING & ELECTRICAL OUTLET LAYOUT

SCALE 1:100

LEGEND:

SYMBOL QTY DESCRIPTION

-  03 LED OUTDOOR LIGHT 12W, WARM WHITE
-  01 SWITCH 2 GANG
-  01 SWITCH 3 GANG
-  02 SWITCH 4 GANG
-  01 DISTRIBUTION BOARD
-  04 LED FLOOD LIGHT 150W
-  04 HIGH - BAY LIGHT 250W
-  02 4FT LED TUBE LIGHT 40W
-  01 ISOLATOR 20A, 3P
-  02 SOCKET SWITCH SINGLE15A, (ABB / CLIPSAL)
-  01 SOCKET SWITCH SINGLE15A, (ABB / CLIPSAL)

NOTE:

-ALL SWITCHES @1200MM FROM FFL