

DRAWING NOTES

1.

The following designs were developed up to Working Drawing (with pre-approval from ABCi for building design/TBC) - and are considered as sufficient for Authority Submission.

2.

No sites were allocated for the units at this stage. Therefore, once a site is allocated, Applicant(s) will need to appoint Qualified Person(s) to include the additional drawing information.

3.

These changes and/or additional information will need to be included in the relevant drawings as per required by the Authority.

4.

These changes and/or additional information will be subjected to the approval of Client, Department of Agriculture and Agrifood, Brunei Darussalam.

5.

All development applications for the units will require a Qualified Person(s) to be appointed for the process of applying for:

•

Planning Approval (including Infrastructure Submission –applicable for 1 unit development)

•

Building Approval

•

Permit to Start Construction

•

Occupational Permit

ABBREVIATIONS

RL	Roofline	AW	Aluminum Awning Window
DP	Downpipe	LV	Aluminum Louvre Window
FT	Floor Trap	FG	Fixed Glass
GT	Gully Trap	SHR	Shower
MH	Manhole	NTS	Not to Scale
FFL	Final Floor Level	APPROX	Approximate
CL	Ceiling Level	AVG	Average
T.B.C	To Be Confirmed	R.C	Reinforced concrete
NGL	Natural Ground Level	EXT	Existing
OHC	Overhead Cupboard	QTY	Quantity
WMS	Washing Machine Space	RM	Room
W.I.R	Walk-in-Robe	BDRM	Bedroom
SGD	Sliding Glass Door	SPEC	Specification
SW	Aluminum Sliding Window	TYP	Typical
DH	Aluminum Double Hung Window		

SYMBOLS

	DOOR TAG		SECTION MARKER
	WINDOW TAG		NORTH POINT & KIBLAT
	ROOM TAG		
	GRID MARKER		

GRAPHICAL SCALE BAR

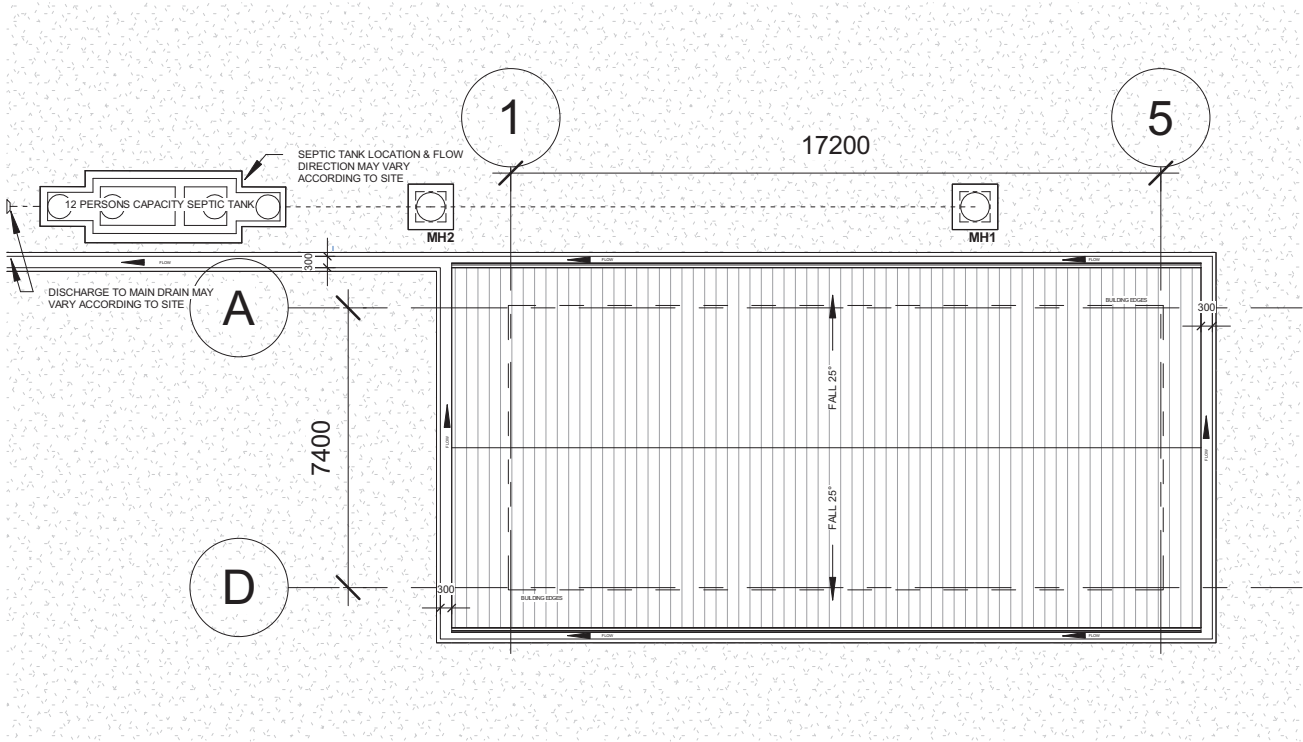
1:200 @ A3



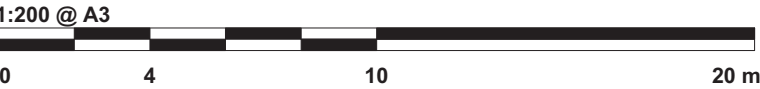
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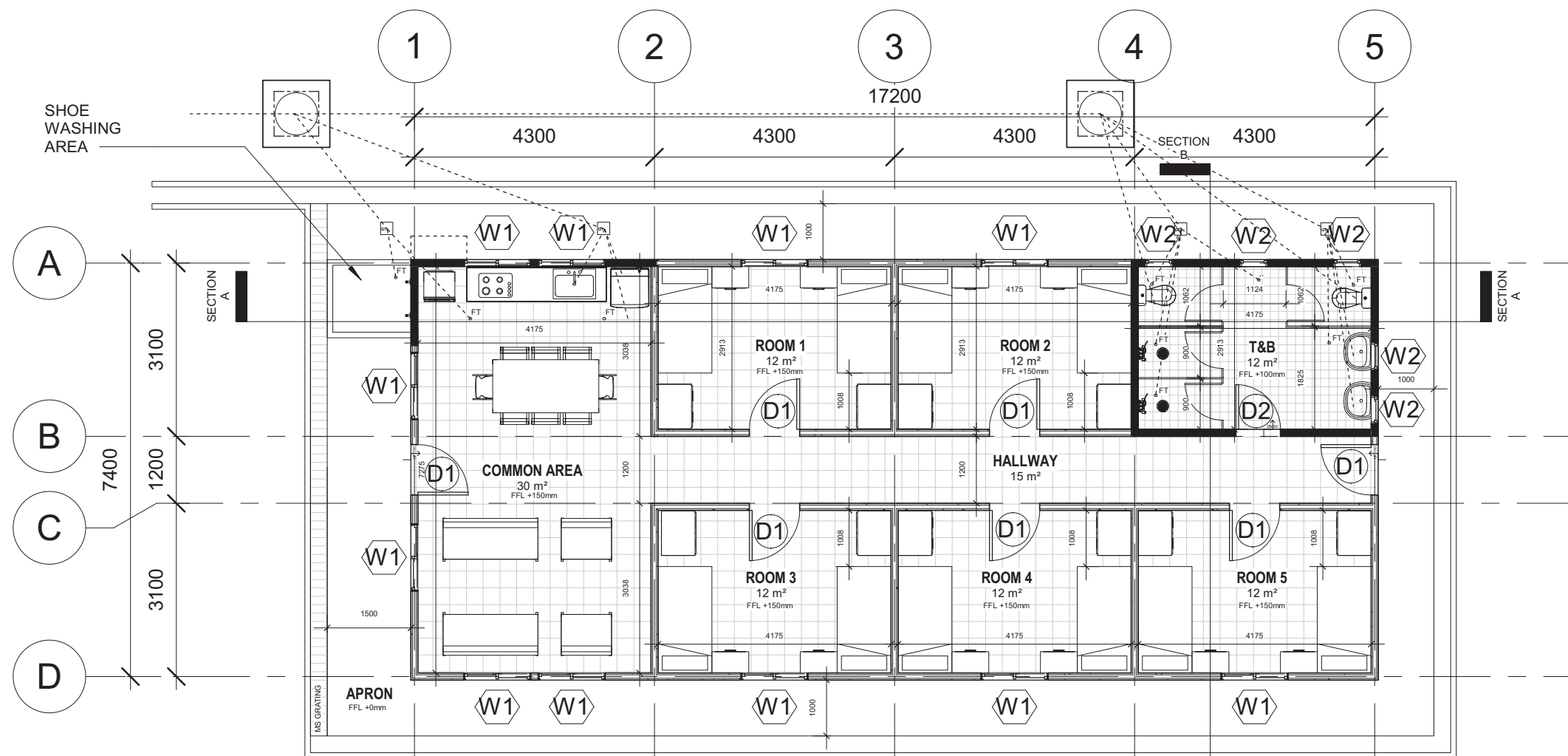
DRAWING LIST				
No.	Sheet Number	Sheet Name	Sheet Issue Date	Sheet Scale
1	1	COVER PAGE & DRAWING NOTES	08/31/22	1 : 20
2	A1	DRAWING LIST & SITE DEVELOPMENT PLAN	08/16/22	1 : 200
3	B1	GROUND FLOOR PLAN & ROOF PLAN	08/16/22	1 : 100
4	C1	GROUND FLOOR CEILING	08/17/22	1 : 100
5	D1	FRONT & REAR ELEVATION	08/16/22	1 : 100
6	D2	LEFT & RIGHT ELEVATION	08/16/22	1 : 100
7	E1	SECTION A-A & SECTION B-B	08/16/22	1 : 100
8	F1	WINDOW SCHEDULE	08/27/22	1 : 50
9	F2	DOOR SCHEDULE	08/27/22	1 : 50
10	F3	IRONMONGERY SCHEDULE	09/02/22	1 : 50
11	F4	VENTILATION & MATERIAL SCHEDULE	08/27/22	As indicated
12	G1	TB DETAILS	08/29/22	1 : 50
13	G2	CUBICLE WALL PARTITION DETAILS	09/02/22	As indicated
14	G3	KITCHEN & SHOE WASHING AREA DETAILS	08/30/22	As indicated
15	G4	DOOR JAMB, TYPICAL DPC, GUTTER AND SURFACE DRAIN DETAILS	08/29/22	As indicated
16	K1	GROUND FLOOR ELECTRICAL LAYOUT PLAN	09/02/22	1 : 100
17	P1	ROOM PLAN & FURNITURE SCHEDULE	08/31/22	As indicated



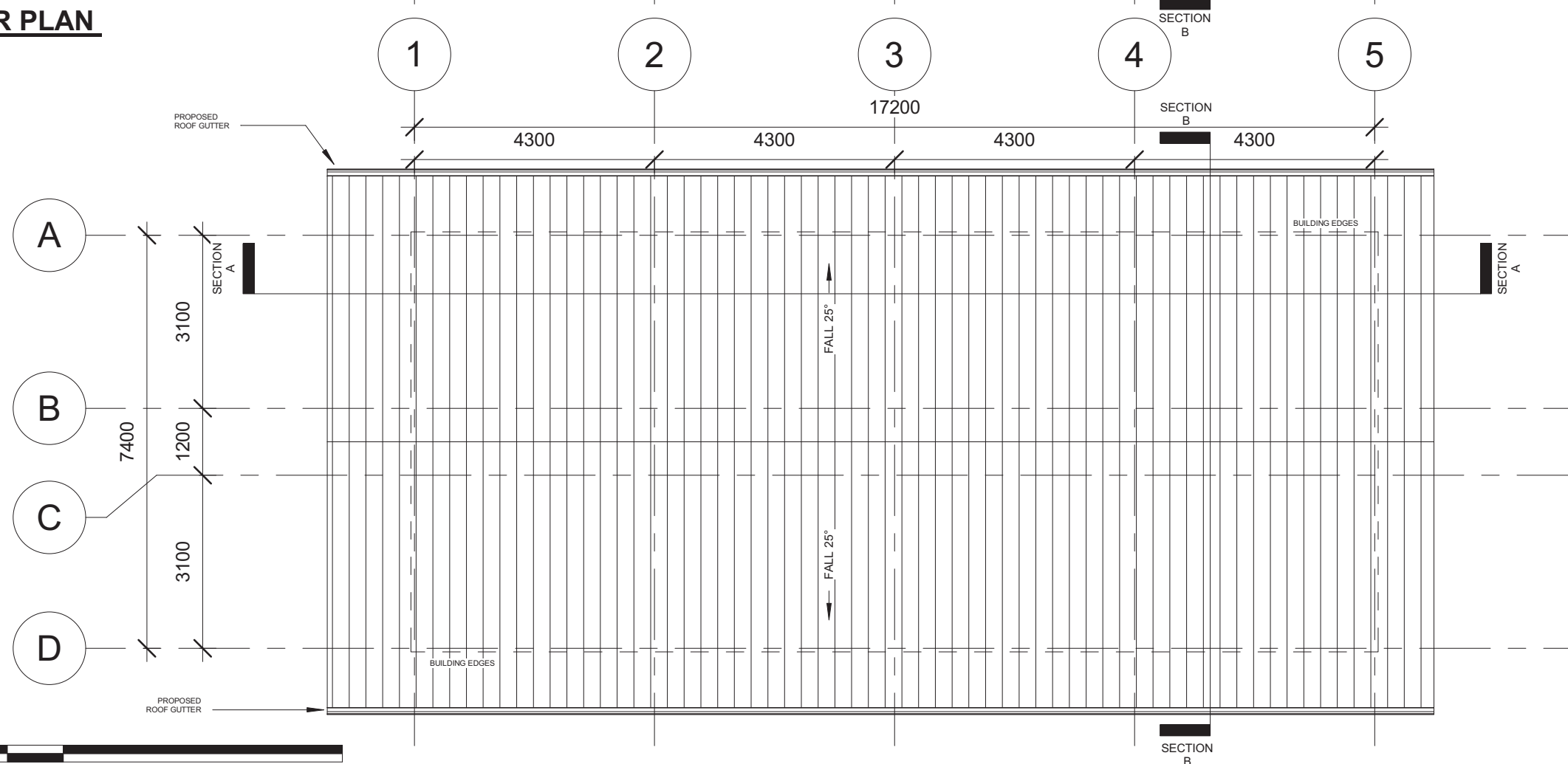
SITE DEVELOPMENT
SCALE 1:200



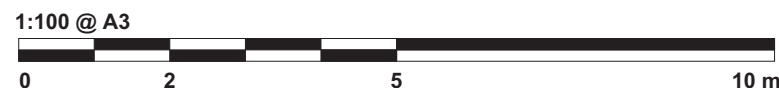
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Project Date	18/08/2022	
Notes		



GROUND FLOOR PLAN
SCALE 1:100



ROOF PLAN
SCALE 1:100



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Notes

No	Description	Date

KHA arkitek

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature

Khafid Haji Sirat

Khafid Haji Sirat
No. 6511 pang 396-33-64
saham jenuwong
BG 3122

Registration No: 004254r

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

GROUND FLOOR PLAN &
ROOF PLAN

Designed By	KHS		
Drawn By	KHS,SHA		
Checked By	AQI		
Scale	1 : 100		
Date	08/16/22		
Project No	Sheet No	Rev.	
PR120	B1		

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Notes

No	Description	Date



KHA Arkitেক
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature



Khajid Haji Sirat
Registration No: 0041441

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

Project Name And Address

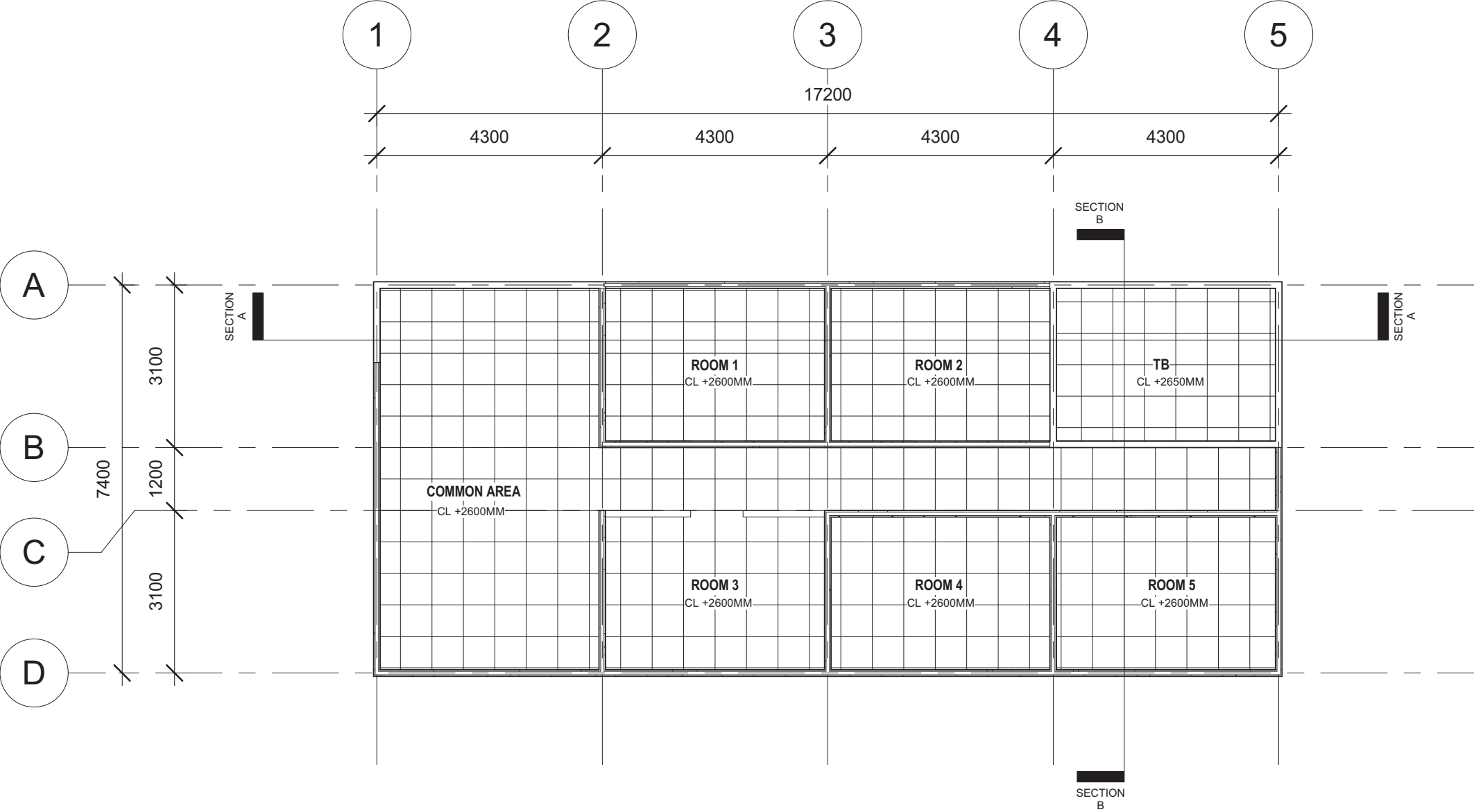
PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

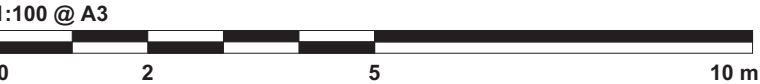
GROUND FLOOR CEILING

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Drawn By	KHS,SHA
Checked By	AQI
Scale	1 : 100
Date	08/17/22

Project No	Sheet No	Rev.
PR120	C1	



GROUND FLOOR CEILING PLAN
SCALE 1:100



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Project Date:	18/08/2022

Notes

No	Description	Date



KHA
arkitek

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature



Khalid Haji Sirat
Registration No: 0041440

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

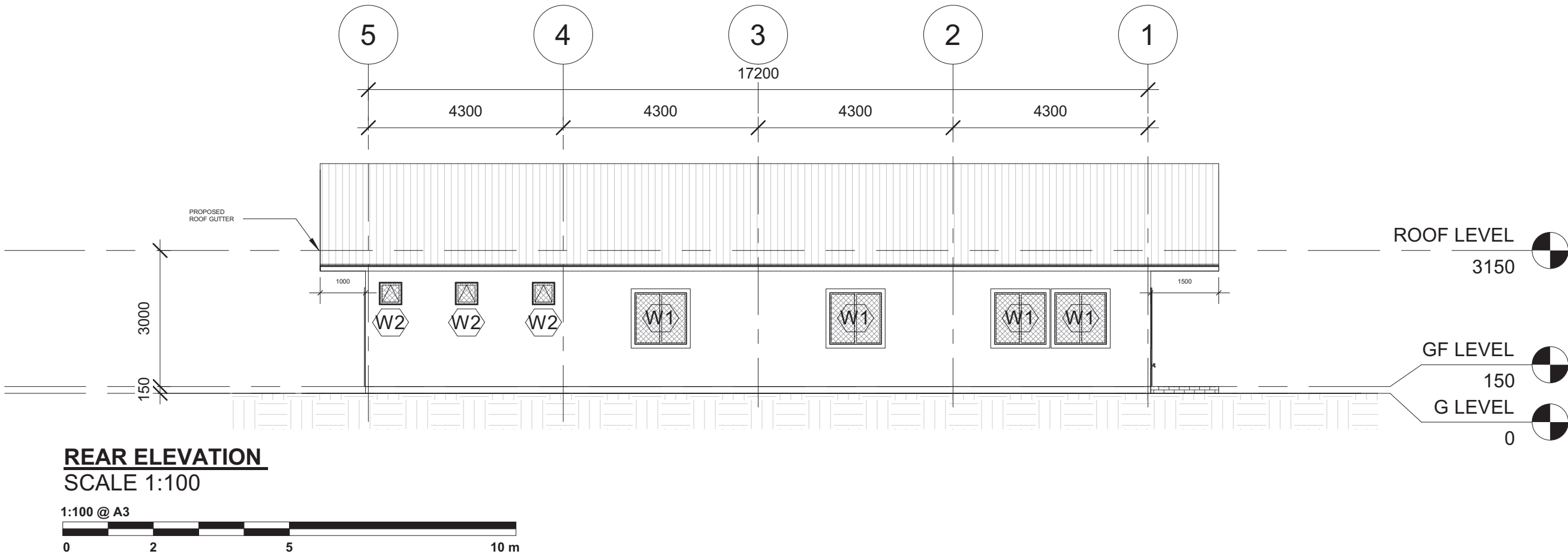
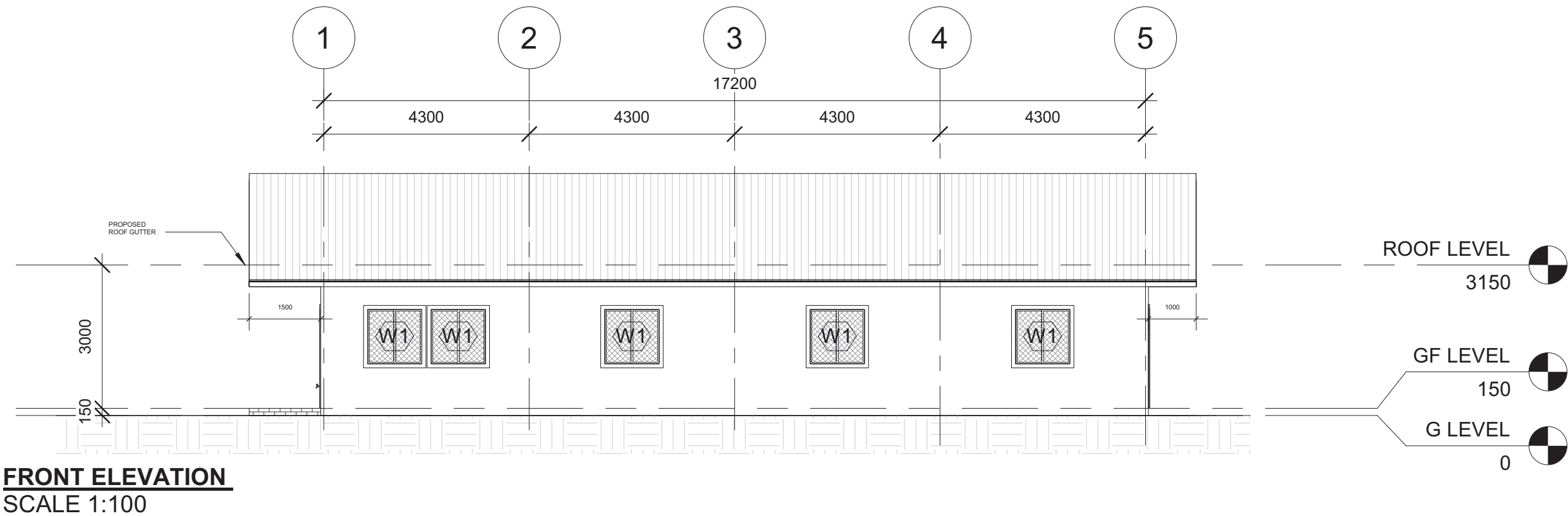
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PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

FRONT & REAR ELEVATION

Designed By	KHS	
Drawn By	KHS,SHA	
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PR120	D1	



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KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature



Khalid Haji Sirat
Registration No: 0041441

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

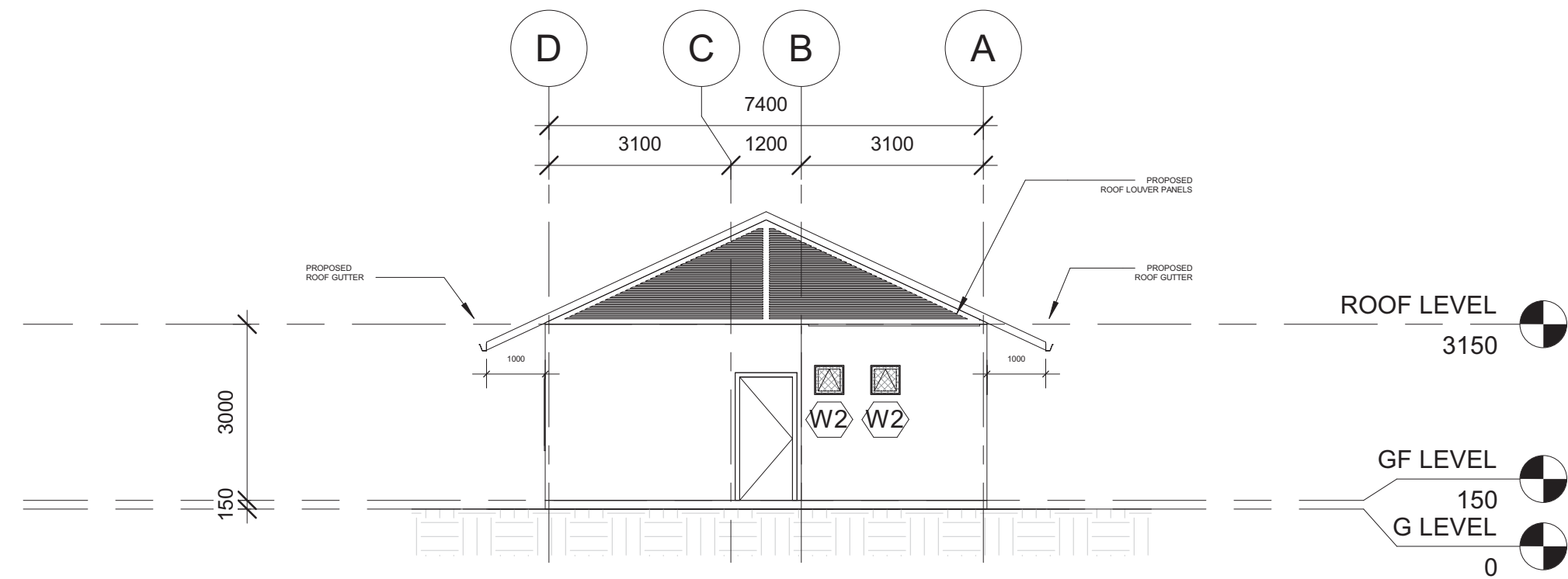
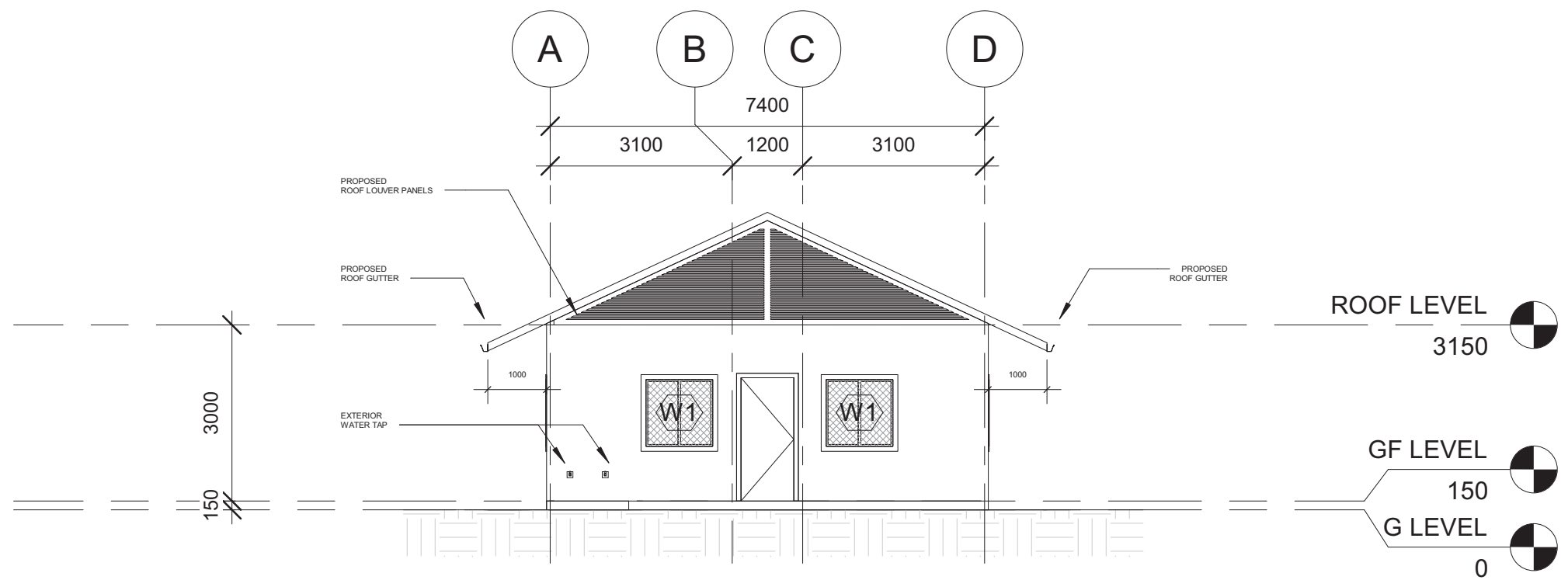
Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

LEFT & RIGHT ELEVATION

Designed By	KHS	
Drawn By	KHS,SHA	
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Scale	1 : 100	
Date	08/16/22	
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PR120	D2	



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Notes

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KHA
arkitek

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature

Khalid Haji Sirat

Khalid Haji Sirat
No. 6574-pang 396-93-64
Jalan Jerudong
BG 3122
Registration No: 0041441

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

Project Name And Address

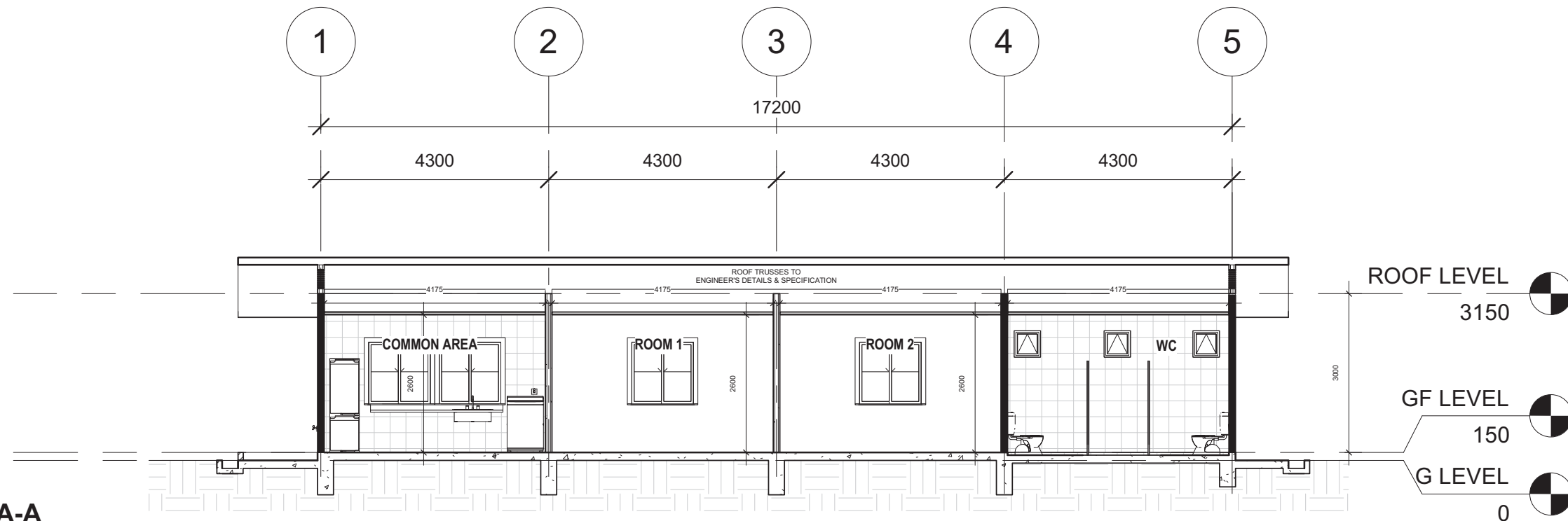
PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

SECTION A-A & SECTION B-B

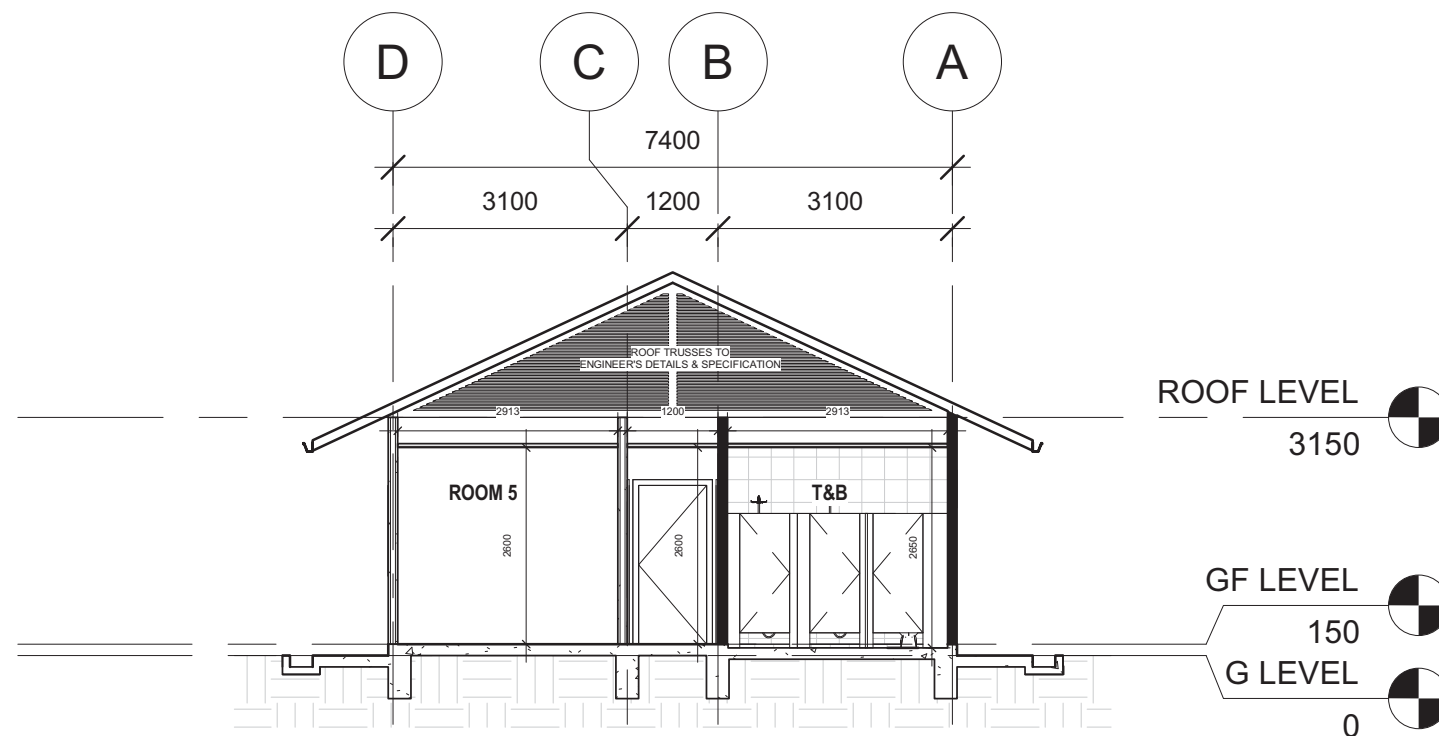
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Drawn By	KHS,SHA	
Checked By	AQI	
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Date	08/16/22	
Project No	Sheet No	Rev.
PR120	E1	

SECTION A-A
SCALE 1:100



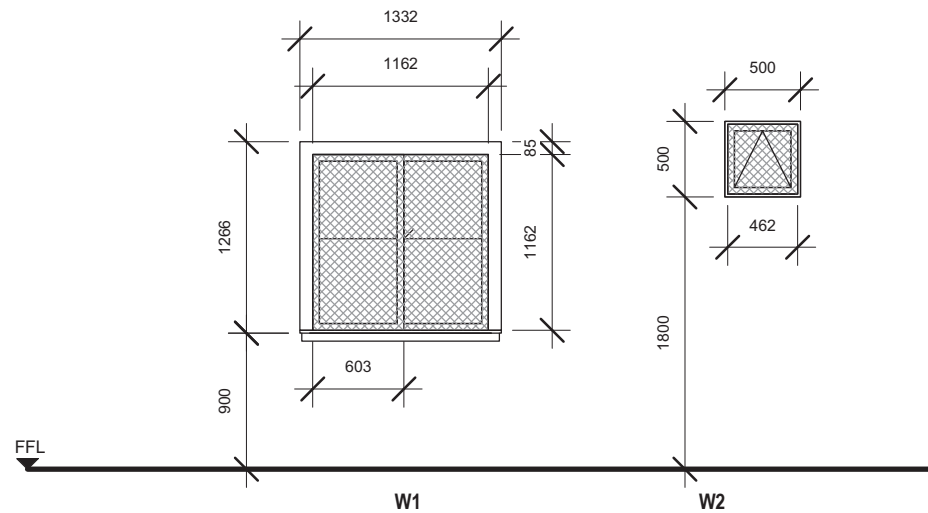
SECTION B-B
SCALE 1:100

1:100 @ A3



WINDOW SCHEDULE

SCALE 1:50



WINDOW SCHEDULE

CODE	Nos	Location	Level	Sill Height	Width	Height	Description
W1	6	COMMON AREA	GF LEVEL	900	1200	1200	TWO PANEL SLIDING ALUMINIUM FRAMED WINDOW W/6MM THK. CLEAR GLASS W/ MOSQUITO NET COVER COMPLETE W/ ACCESSORIES TO MANUFACTURERS DETAILS
W1	1	ROOM 1	GF LEVEL	900	1200	1200	TWO PANEL SLIDING ALUMINIUM FRAMED WINDOW W/6MM THK. CLEAR GLASS W/ MOSQUITO NET COVER COMPLETE W/ ACCESSORIES TO MANUFACTURERS DETAILS
W1	1	ROOM 2	GF LEVEL	900	1200	1200	TWO PANEL SLIDING ALUMINIUM FRAMED WINDOW W/6MM THK. CLEAR GLASS W/ MOSQUITO NET COVER COMPLETE W/ ACCESSORIES TO MANUFACTURERS DETAILS
W1	1	ROOM 3	GF LEVEL	900	1200	1200	TWO PANEL SLIDING ALUMINIUM FRAMED WINDOW W/6MM THK. CLEAR GLASS W/ MOSQUITO NET COVER COMPLETE W/ ACCESSORIES TO MANUFACTURERS DETAILS
W1	1	ROOM 4	GF LEVEL	900	1200	1200	TWO PANEL SLIDING ALUMINIUM FRAMED WINDOW W/6MM THK. CLEAR GLASS W/ MOSQUITO NET COVER COMPLETE W/ ACCESSORIES TO MANUFACTURERS DETAILS
W1	1	ROOM 5	GF LEVEL	900	1200	1200	TWO PANEL SLIDING ALUMINIUM FRAMED WINDOW W/6MM THK. CLEAR GLASS W/ MOSQUITO NET COVER COMPLETE W/ ACCESSORIES TO MANUFACTURERS DETAILS
W2	5	T&B	GF LEVEL	1800	500	500	TOP HUNG ALUMINIUM FRAMED WINDOW W/6MM THK. CLEAR GLASS W/ MOSQUITO NET COVER COMPLETE W/ ACCESSORIES TO MANUFACTURERS DETAILS

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Project Date:	18/08/2022

Notes

No	Description	Date

KHA
arkitek

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature

Khalid Haji Sirat

Khalid Haji Sirat
Registration No: 0041442

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

Project Name And Address

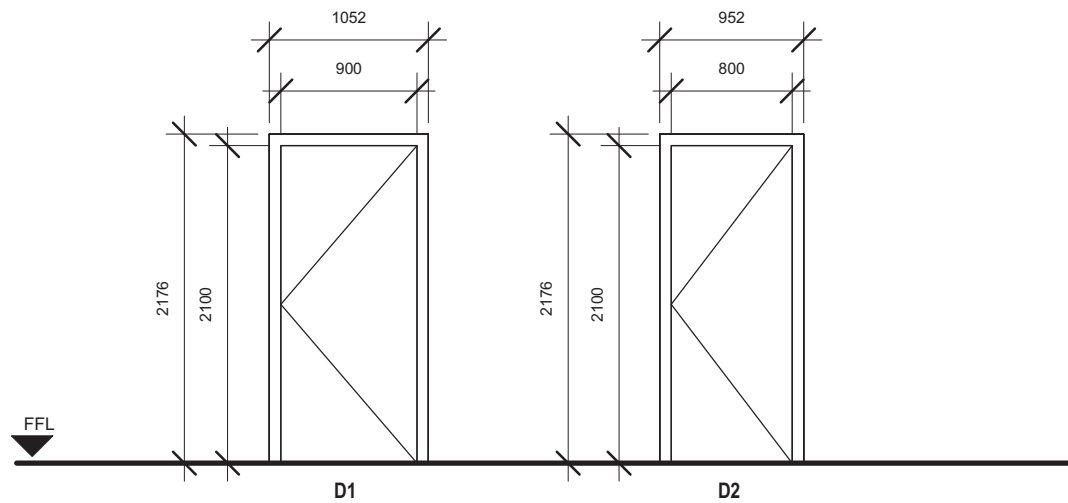
PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

WINDOW SCHEDULE

Designed By	KHS	
Drawn By	KHS,SHA	
Checked By	AQI	
Scale	1 : 50	
Date	08/27/22	
Project No	Sheet No	Rev.
PR120	F1	

DOOR SCHEDULE
SCALE 1:50



DOOR SCHEDULE						
CODE	Nos	Location	Level	Width	Height	Description
D1	1	COMMON AREA	GF LEVEL	900	2100	SINGLE LEAF SOLID FIRE RATED DOOR TO MANUFACTURER'S DETAIL
D1	1	HALLWAY	GF LEVEL	900	2100	SINGLE LEAF SOLID FIRE RATED DOOR TO MANUFACTURER'S DETAIL
D1	1	ROOM 1	GF LEVEL	900	2100	SINGLE LEAF SOLID FIRE RATED DOOR TO MANUFACTURER'S DETAIL
D1	1	ROOM 2	GF LEVEL	900	2100	SINGLE LEAF SOLID FIRE RATED DOOR TO MANUFACTURER'S DETAIL
D1	1	ROOM 3	GF LEVEL	900	2100	SINGLE LEAF SOLID FIRE RATED DOOR TO MANUFACTURER'S DETAIL
D1	1	ROOM 4	GF LEVEL	900	2100	SINGLE LEAF SOLID FIRE RATED DOOR TO MANUFACTURER'S DETAIL
D1	1	ROOM 5	GF LEVEL	900	2100	SINGLE LEAF SOLID FIRE RATED DOOR TO MANUFACTURER'S DETAIL
D2	1	T&B	GF LEVEL	800	2100	SINGLE LEAF LAMINATED SOLID DOOR TO MANUFACTURER'S DETAIL AND ARCHITECT'S APPROVAL

NOTES: ANY DOOR THAT OPEN DIRECTLY TO THE OUTSIDE SHALL BE PROVIDED WITH INSECT SCREEN TO MANUFACTURERS DETAIL AND SPECIFICATION

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Project Date	18/08/2022		
Notes			
No	Description	Date	
 Contact No: 2610380 KHA Arkitek P.O Box 272 MPC, Old Airport, Berakas BB3122			
Architect's Signature			
 Khalid Haji Sirat Registration No: 0041440 			
Client Name and Approved by:			
_____ Department of Agriculture & Agrifood, BD			
Project Name And Address			
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)			
Drawing Name			
DOOR SCHEDULE			
Designed By	KHS		
Drawn By	KHS,SHA		
Checked By	AQI		
Scale	1 : 50		
Date	08/27/22		
Project No	Sheet No	Rev.	
PR120	F2		

IRONMONGERIES SCHEDULE

					HARDWARE SET					
					DORMA Stainless Steel Butt Hinge 2BB Stainless Steel, (4"x 3.0" x 2.5mm) or equivalent	DORMA Knob Type Lockset CK800 Series 60mm Grade 2 – US32D Finish CK 801 Entrance Function or equivalent	DORMA Knob Type Lockset CK800 Series 60mm Grade 2 – US32D Finish CK 803 Privacy Function or equivalent	ELITE 500 Door Stopper S066701 or equivalent	DORMA Barrel Bolt 2750x300MM SNP or equivalent	UNITY DGS01 stainless steel security door guard
	DOOR SCHEDULE	WIDTH x HEIGHT (mm)	QTY	DOOR TYPE	H1	L1	L2	A1	A2	A3
GROUND FLOOR					HINGES	LOCKSETS		ACCESSORIES		
COMMON AREA	D1	900 x 2100mm	1	FIRE DOOR SINGLE	3	●		●		●
ROOM 1	D1	900 x 2100mm	1	FIRE DOOR SINGLE	3	●	●	●		
ROOM 2	D1	900 x 2100mm	1	FIRE DOOR SINGLE	3	●	●	●		
ROOM 3	D1	900 x 2100mm	1	FIRE DOOR SINGLE	3	●	●	●		
ROOM 4	D1	900 x 2100mm	1	FIRE DOOR SINGLE	3	●	●	●		
ROOM 5	D1	900 x 2100mm	1	FIRE DOOR SINGLE	3	●	●	●		
TB	D2	800 x 2100mm	1	LAMINATED SOLID DOOR SINGLE	3		●		●	

CODE	CATEGORIES	IMAGES
H1	HINGES	
L1	LOCKSET	
L2		
NO.1	ACCESSORIES	
NO.2		
NO.3		

NOTES: BRAND MAY VARIES TO SUIT USER'S SAFETY AND THE ARCHITECT'S APPROVAL

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Project Date18/08/2022

Notes

No	Description	Date



KHA Arkitek

P.O Box 272

MPC,

Old Airport,

Berakas

BB3122

Contact No: 2610380

Architect's Signature



Khajid Haji Sirat

Registration No: 0041472



Client Name and Approved by:

Department of Agriculture & Agrifood, BD

Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

IRONMONGERY SCHEDULE

Designed By	KHS	
Drawn By	KHS,SHA	
Checked By	AQI	
Scale	1 : 50	
Date	09/02/22	
Project No	Sheet No	Rev.
PR120	F3	

VENTILATION SCHEDULE

ROOM/SPACE	AREA (MSQ)	VENTILATION		LIGHTING	WINDOWS & DOORS	MECHANICAL
		REQUIRED	PROVIDED	PROVIDED		
GROUND FLOOR						
COMMON ROOM	30 MSQ	3.0 MSQ	8.1 MSQ	6.7 MSQ	W1 (6), D1 (1)	SPLIT AC , CEILING FAN
ROOM 1	12 MSQ	1.2 MSQ	1.4 MSQ	0.9 MSQ	W1 (1)	SPLIT AC , CEILING FAN
ROOM 2	12 MSQ	1.2 MSQ	1.4 MSQ	0.9 MSQ	W1 (2)	SPLIT AC , CEILING FAN
ROOM 3	12 MSQ	1.2 MSQ	1.4 MSQ	0.9 MSQ	W1 (2)	SPLIT AC , CEILING FAN
ROOM 4	12 MSQ	1.2 MSQ	1.4 MSQ	0.1 MSQ	W1 (1)	EXHAUST FAN
ROOM 5	12 MSQ	1.2 MSQ	1.4 MSQ	0.1 MSQ	W1 (1)	EXHAUST FAN
T&B	12 MSQ	1.2 MSQ	0.6 MSQ	0.42 MSQ	W2 (3)	EXHAUST FAN
HALLWAY	15 MSQ	1.5 MSQ	1.9 MSQ	-	D1 (1)	-

SANITARYWARE & FITTINGS SCHEDULE

MATERIAL CODE NO.	WATER CLOSET	LAVATORY	FAUCET			SHOWER FAUCET	PAPER HOLDER	TOWEL BAR	MIRROR	ANAL SPRAY / WASHLET	SINK	FLOOR TRAP
	01	01	01	02	03	01	01	01	01	01	01	01
GROUND FLOOR												
EXTERIOR	-	-	-	2	-	-	-	-	-	-	-	-
COMMON AREA	-	-	-	1	1	-	-	-	-	-	1	-
T&B	2	2	2	-	-	2	2	2	2	2	-	3
TOTAL	1	1	2	3	1	2	2	1	1	1	1	3

CODE	CATEGORIES	IMAGES
NO.1	WATER CLOSET	
NO.1	LAVATORY	
NO.1	FAUCET	
NO.2		
NO.3		
NO.1	SHOWER FAUCET	
NO.1	PAPER HOLDER	
NO.1	TOWEL BAR	
NO.1	MIRROR	
NO.1	SHOWER SPRAY / WASHLET	
NO.1	SINK	
NO.1	FLOOR TRAP	

CODE	WATER CLOSET
01	SHOWY "WASHDOWN" 2-PIECE CLOSET (630 X 440 X 775MM) S-trap, 250mm Roughing-in. p-trap, 180mm Rouching-in or equivalent
CODE	LAVATORY
01	SHOWY-6851 WASHBASIN C/W FULL PEDESTAL (520 X 440 X 800MM) or equivalent
CODE	FAUCET
01	SHOWY-3006 "HIGHWAY" EXCLUSIVE S/L BASIN MIXER C/W SWIVEL SPOUT Stock Code: SHOWY-3006-000 or equivalent
02	SHOWY-2908 "BUTTERFLY" BIB TAP C/W 1/2" NOZZLE Stock Code: SHOWY-1755-000 or equivalent
03	SHOWY-3110-3000 "HIGH-GRADE" METAL SINGLE LEVER SINK TAP. Stock Code: SHOWY-3110-001 or equivalent
CODE	SHOWER FAUCET
01	SHOWY-3011-3001(R) "CAUSEWAY" 3-WAY LONG BATH MIXER C/W 3041 ABS ROUND SHOWER ROSE & 3039-SH HAND SHOWER Stock Code: SHOWY-3011-013 or equivalent
CODE	PAPER HOLDER
01	SHOWY-7067-000 "LUXI" S/S STAINLESS STEEL PAPER HOLDER or equivalent
CODE	TOWEL BAR
01	SHOWY-7142-000 SUS304 S/STEEL DOUBLE TOWEL BAR 600 x 120 x 55mm or equivalent
CODE	MIRROR
01	SHOWY-2998-000 480MM X 350MM SILVER COATED MIRROR or equivalent
CODE	SHOWER SPRAY / WASHLET
01	SHOWY-2480-011 "JOPAN" CHROME BIDET SPRAY C/W SHOWY-2453 120CM SILVER PVC HOSE & SHOWY-6322-000 "L" QUARTER-TURN ANGLE COCK WITH BIDET SPRAY HOLDER or equivalent
CODE	SINK
01	SHOWY-2948-000 "DAGENT" S/S LAY-ON LAUNDRY SINK (600 X 500 X 250MM) or equivalent
CODE	FLOOR TRAP
01	SHOWY-2774-000 6" X 6" CHROME ALLOY ADAPTABLE FLOOR TRAP GRATING or equivalent

NOTES: BRAND MAY VARIES TO SUIT USER'S COMFORT AND THE ARCHITECT'S APPROVAL

MATERIAL SCHEDULE

AREA	FLOOR				WALL							CEILING			ROOF	
	F1	F2	F3	F4	W1	W2	W3	W4	W5	W6	W7	C1	C2	C3	R1	R2
GROUND FLOOR																
APRON				●												
COMMON ROOM	●	●					●	●				●		●	●	●
COMMON ROOM (KITCHEN)	●	●	●		●	●			●	●	●	●		●	●	●
ROOM 1	●	●					●	●				●		●	●	●
ROOM 2	●	●					●	●				●		●	●	●
ROOM 3	●	●					●	●				●		●	●	●
ROOM 4	●	●					●	●				●		●	●	●
ROOM 5	●	●					●	●				●		●	●	●
T&B	●	●	●		●	●			●	●	●		●	●	●	●

CODE	FLOOR FINISHES
F1	300mm X 300mm homogeneous non-slip tile, colour and pattern to be decided by client
F2	Grouting to Architect's approval
F3	Waterproofing Treatment or equivalent. All application shall be in accordance to manufacturer specification.
F4	Cement Screed to level

Notes: All potentially wet area shall be anti slip surface tiles

CODE	WALL FINISHES
W1	25mm Thick Plaster
W2	Brick Wall
W3	ICI paint to manufacturer specification or equivalent, colour and pattern to be decided by client
W4	Light Gypsum Dry Wall
W5	300mm x 300mm Ceramic tiles, colour and pattern to be decided by client
W6	Bonding agent
W7	Grouting to Architect approval

Notes: For External Walls, dry wall complete with metal framing; one side lined with gypsum board and one side with cement board.

CODE	CEILING FINISHES
C1	12mm Gypsum board with metal framing. ICI paint to manufacturer specification, colour and pattern to be decided by client
C2	6mm Cement board with metal framing
C3	ICI paint to manufacturer specification or equivalentl

CODE	ROOF FINISHES
R1	Colour Lok clip-on system profile or equivalent with 0.53/054mm thickness including joists and purlins and accessories to manufacturer and installation specification, colour and pattern to be decided by client
R2	Waterproofing , all application and installation shall be in accordance to manufacturer specification

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Project Status	Schematic Design
Project Date	18/08/2022

Notes		
No	Description	Date



KHA Arkitex
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature



Khalid Haji Sirat
Registration No: 0041447

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

VENTILATION & MATERIAL
SCHEDULE

Designed By	KHS	
Drawn By	KHS,SHA	
Checked By	AQI	
Scale	As indicated	
Date	08/27/22	
Project No	Sheet No	Rev.
PR120	F4	

No	Description	Date

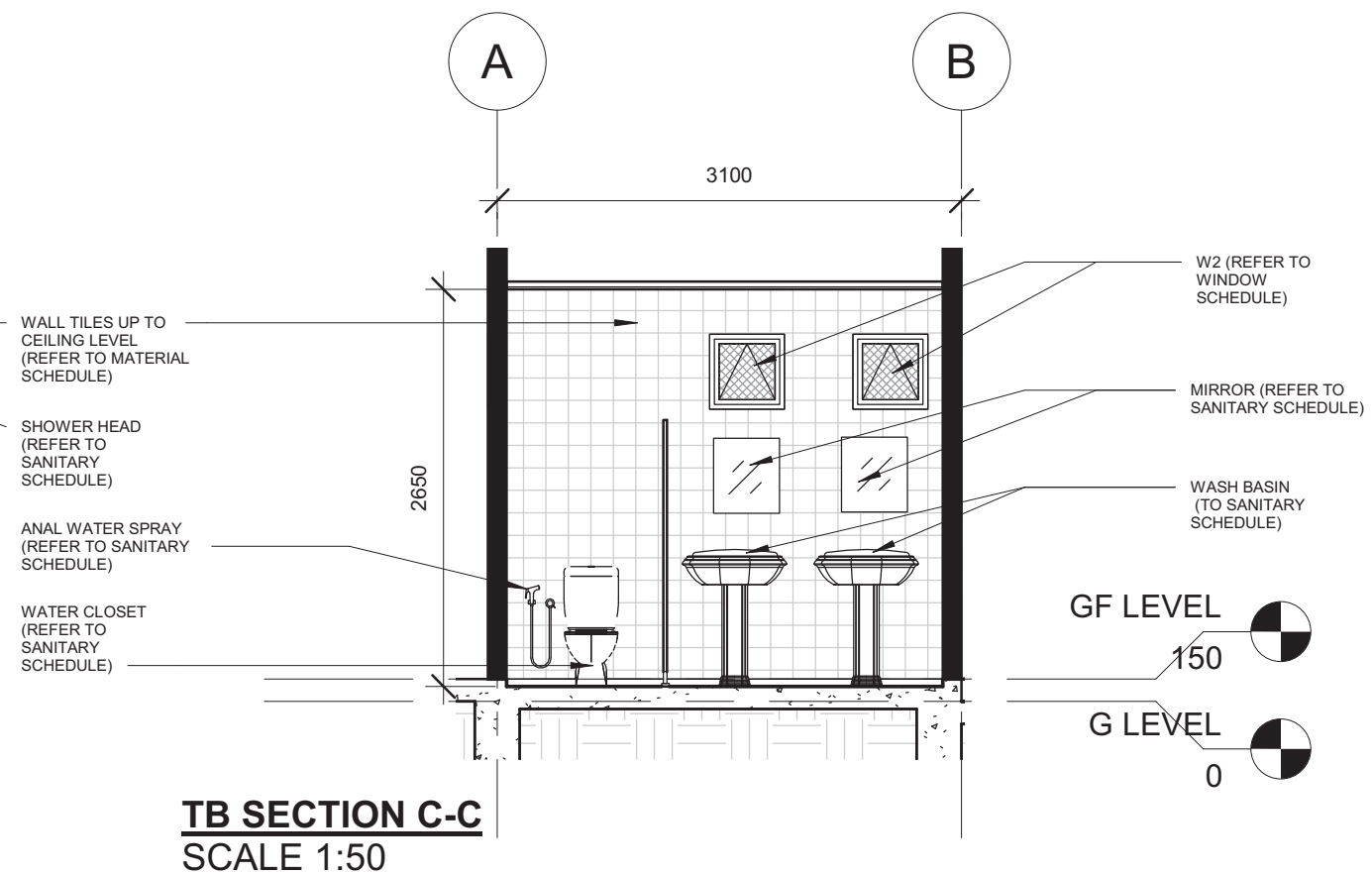


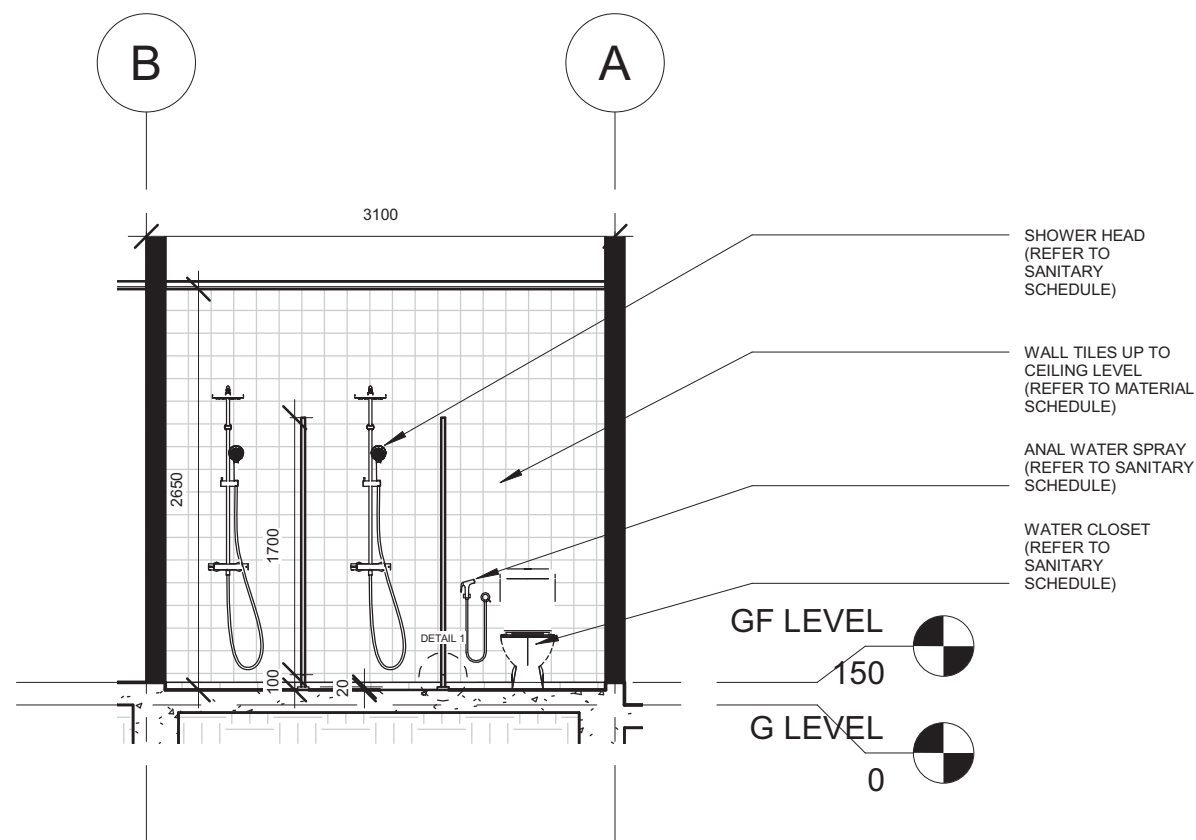
Department of Agriculture & Agrifood, BD

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

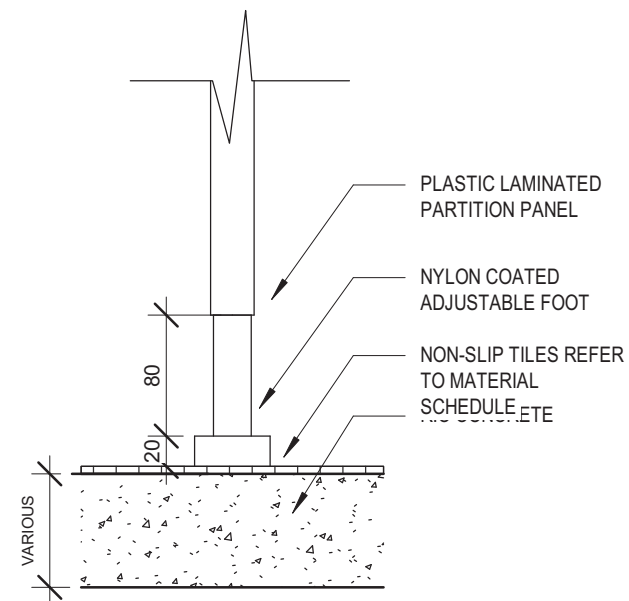
TB DETAILS

Designed By	KHS	
Drawn By	KHS,SHA	
Checked By	AQI	
Scale	1 : 50	
Date	08/29/22	
Project No	Sheet No	Rev.
PR120	G1	





SECTION D-D
SCALE 1:50



DETAIL 1 OF TYPICAL WALL PARTITION
SCALE : NTS

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Notes

No	Description	Date

KHA arkitek
KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122
Contact No: 2610380

Architect's Signature

Khairul Hazi Sirat
Registration No: 004144

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

CUBICLE WALL PARTITION
DETAILS

Designed By	KHS	
Drawn By	KHS,SHA	
Checked By	AQI	
Scale	As indicated	
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Project No	Sheet No	Rev.
PR120	G2	

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Notes

No	Description	Date

KHA arkitek
KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122
Contact No: 2610380

Architect's Signature

Khalid Haji Sirat
Registration No: 0041441

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

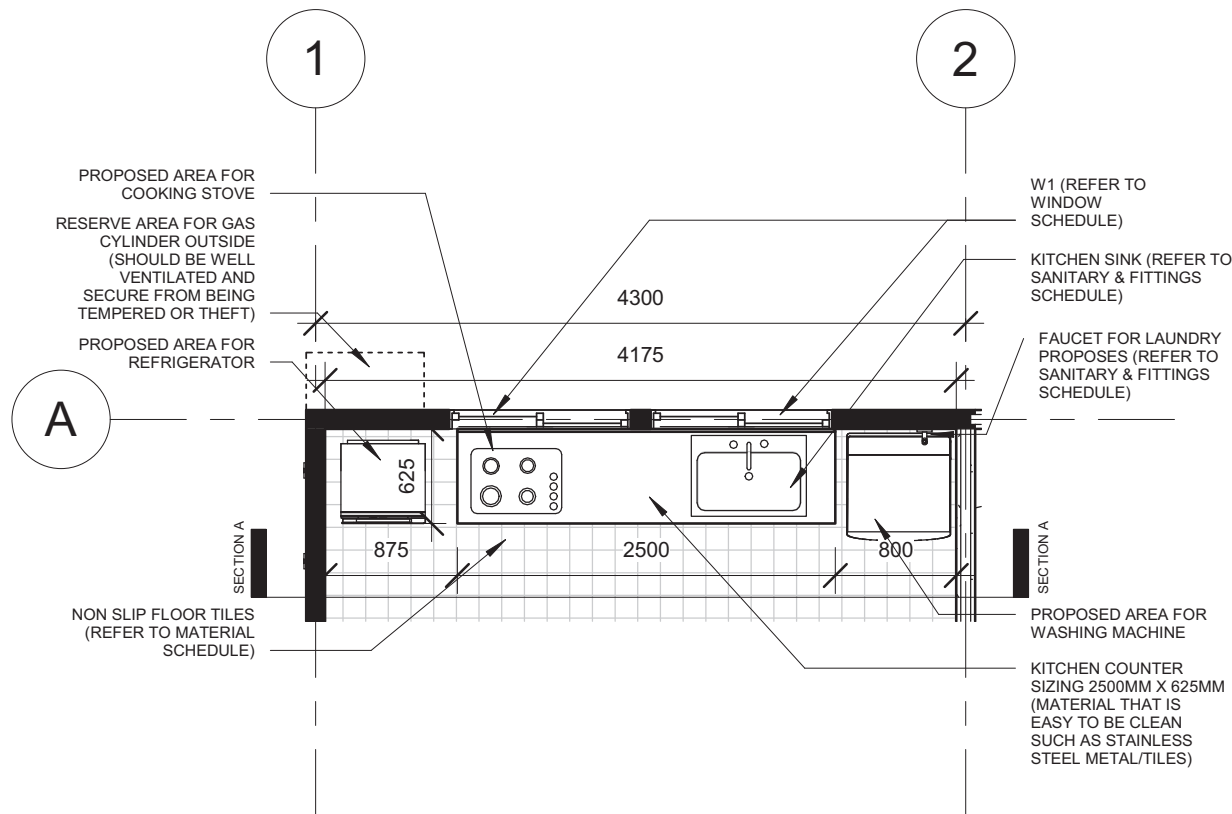
Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

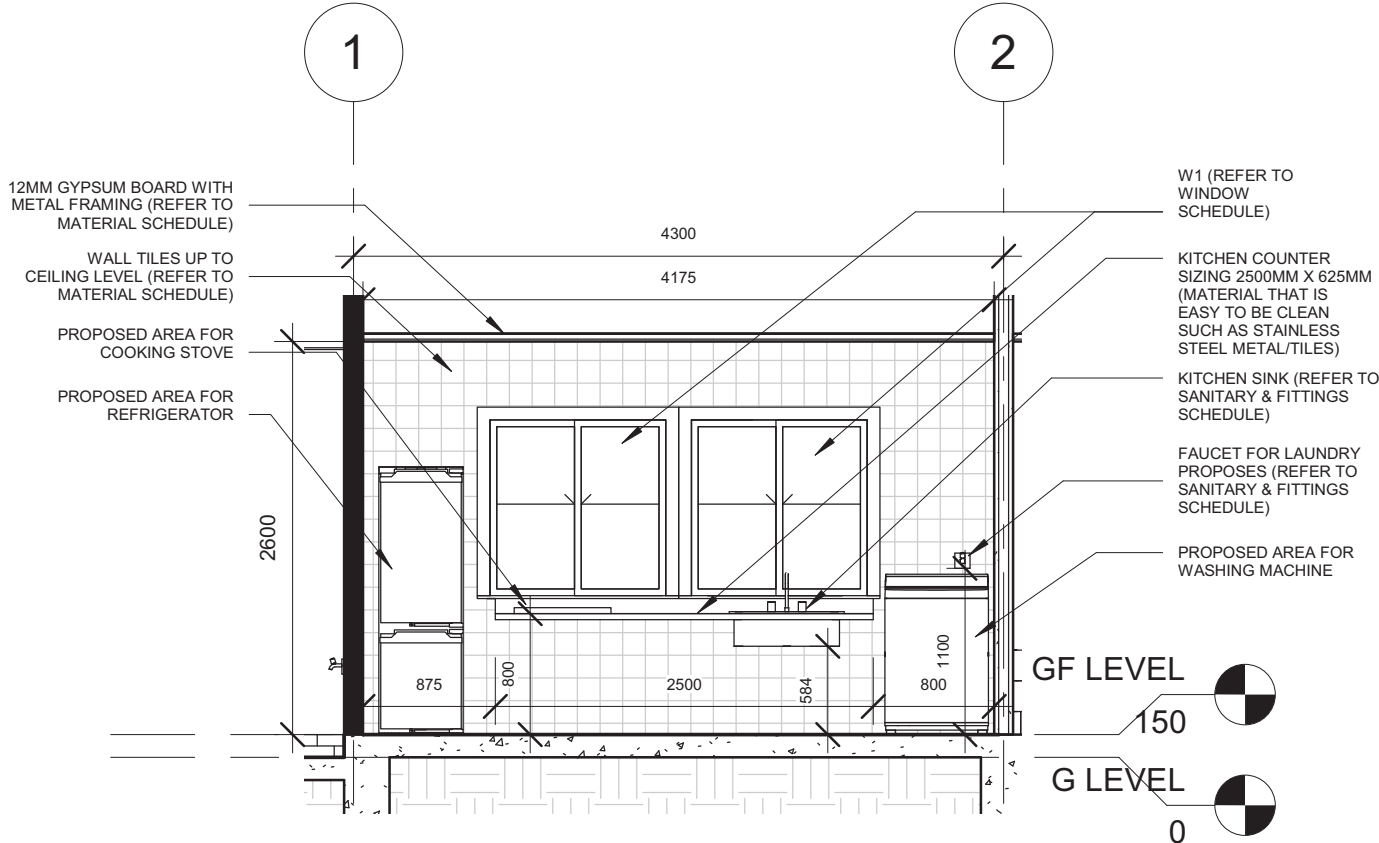
Drawing Name

KITCHEN & SHOE WASHING
AREA DETAILS

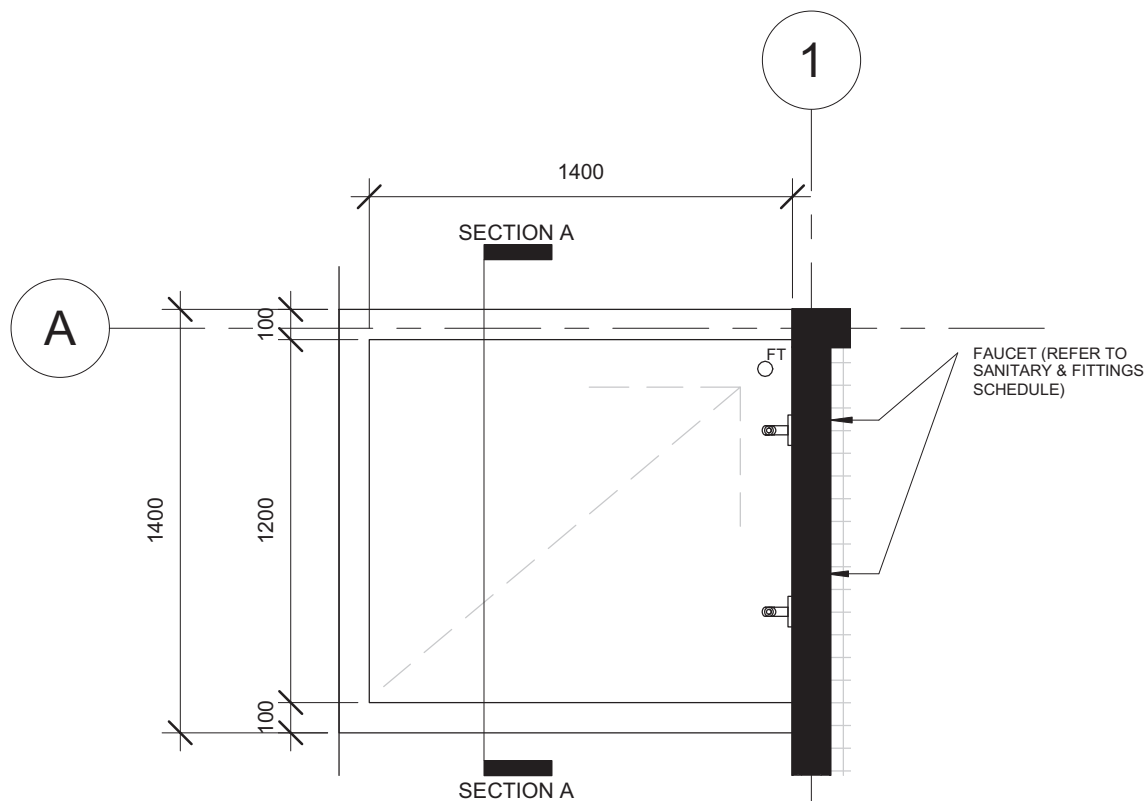
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Date	08/30/22	
Project No	Sheet No	Rev.
PR120	G3	



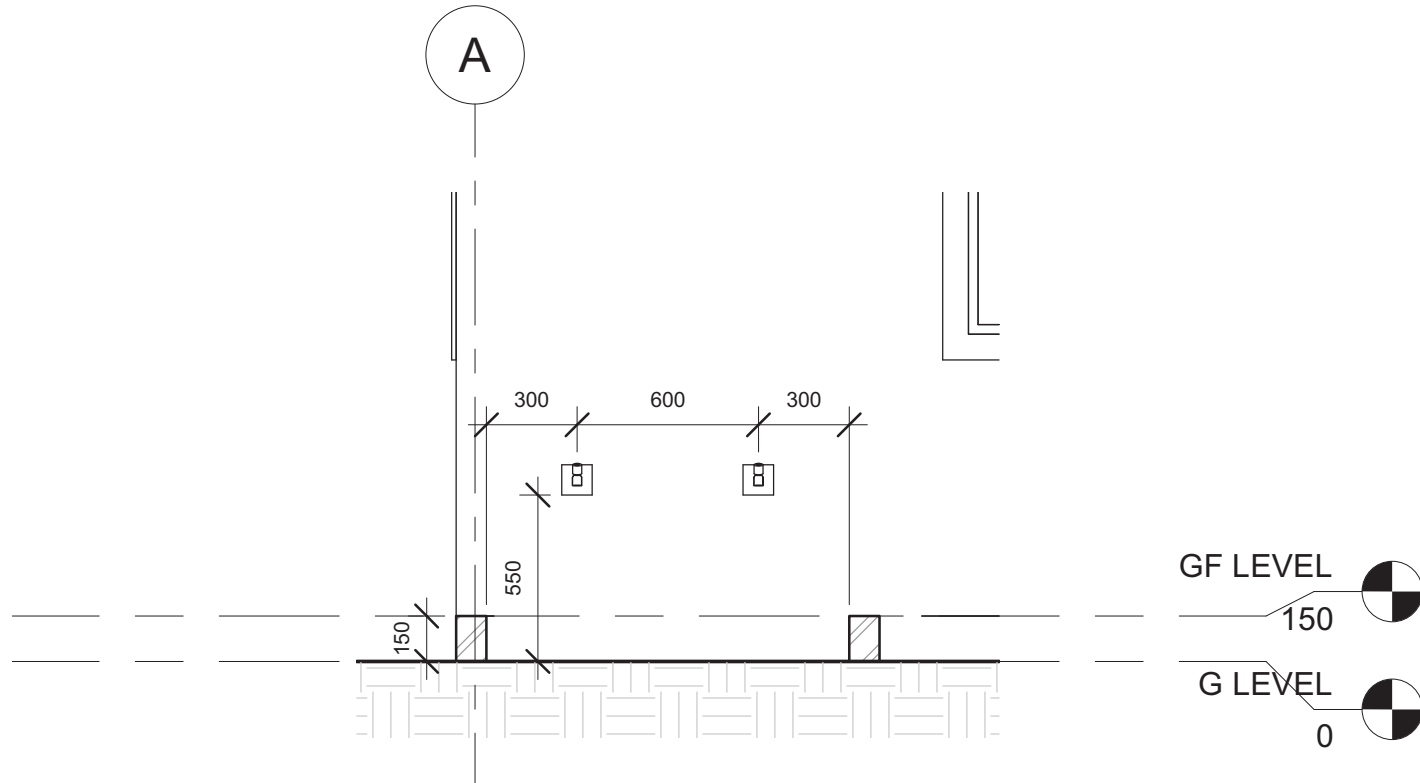
KITCHEN FLOOR PLAN
SCALE 1:50



KITCHEN SECTION A-A
SCALE 1:50



SHOE WASHING AREA FLOOR PLAN
SCALE 1:25



SHOE WASHING AREA SECTION A-A
SCALE 1:25

Printed:	21/9/2022 4:34:39 PM
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Project Date:	18/08/2022

Notes

No	Description	Date



KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature



Kholid Haji Sirat
Registration No: 004144

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

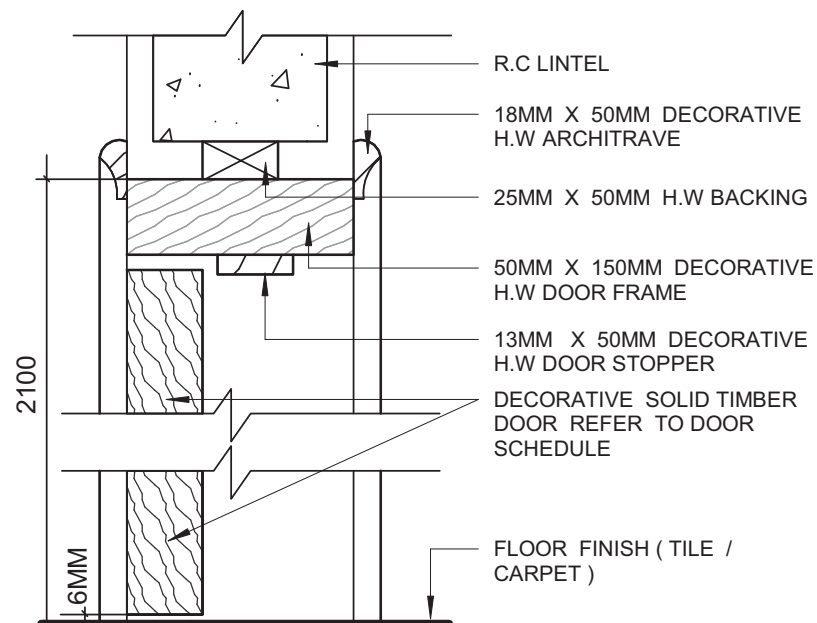
Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

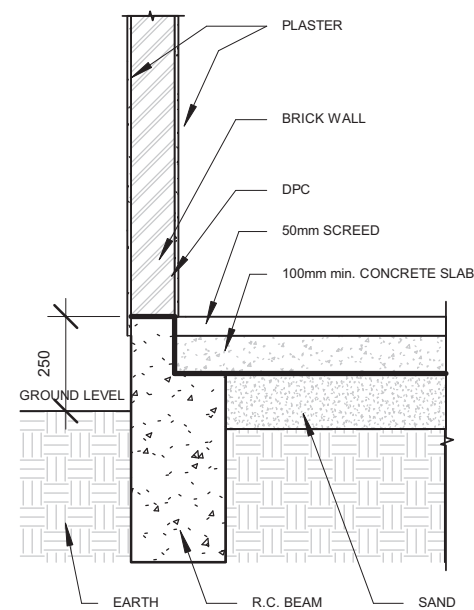
Drawing Name

DOOR JAMB, TYPICAL DPC,
GUTTER AND SURFACE
DRAIN DETAILS

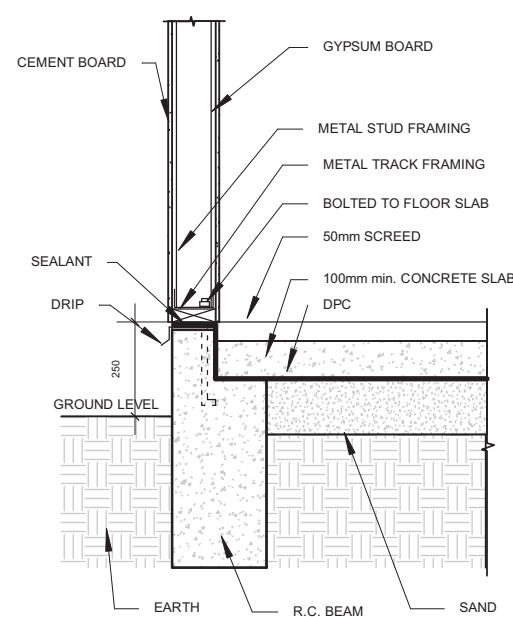
Designed By	KHS		
Drawn By	KHS,SHA		
Checked By	AQI		
Scale	As indicated		
Date	08/29/22		
Project No	Sheet No	Rev.	
PR120	G4		



**DOOR JAMB
DETAIL**
SCALE 1:5



TYPICAL DPC DETAILS (SOLID WALL)
SCALE 1:20



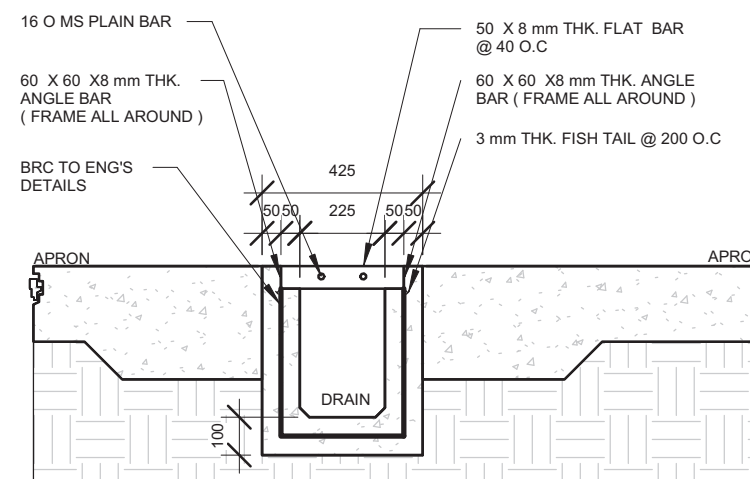
TYPICAL DPC DETAILS (DRY WALL)
SCALE 1:20

NOTES: DRY WALL CAN BE OPTED FOR WALL SANDWICH PANEL TO THE MANUFACTURER'S DETAILS AND SPECIFICATIONS

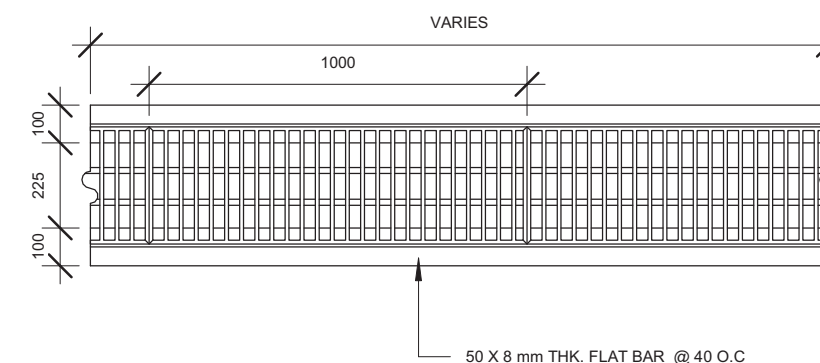
*For External Walls, dry wall complete with metal framing; one side lined with gypsum board and one side with cement board.

*For Internal Walls, dry wall complete with metal framing; both sides lined with gypsum board.

DETAIL OF SURFACE DRAIN WITH HEAVY DUTY MS GRATING COVER



SECTIONAL 225MM
SCALE 1 : 20



TOP DRAIN PLAN
SCALE 1 : 20

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Project Status	Schematic Design
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No	Description	Date



KHA Arkithek
P.O Box 272
MPC,
Old Airport,
Berakas
BB3122

Contact No: 2610380

Architect's Signature



Khairul Hazi Sirat
Registration No: 004147

Client Name and Approved by:

Department of Agriculture & Agrifood, BD

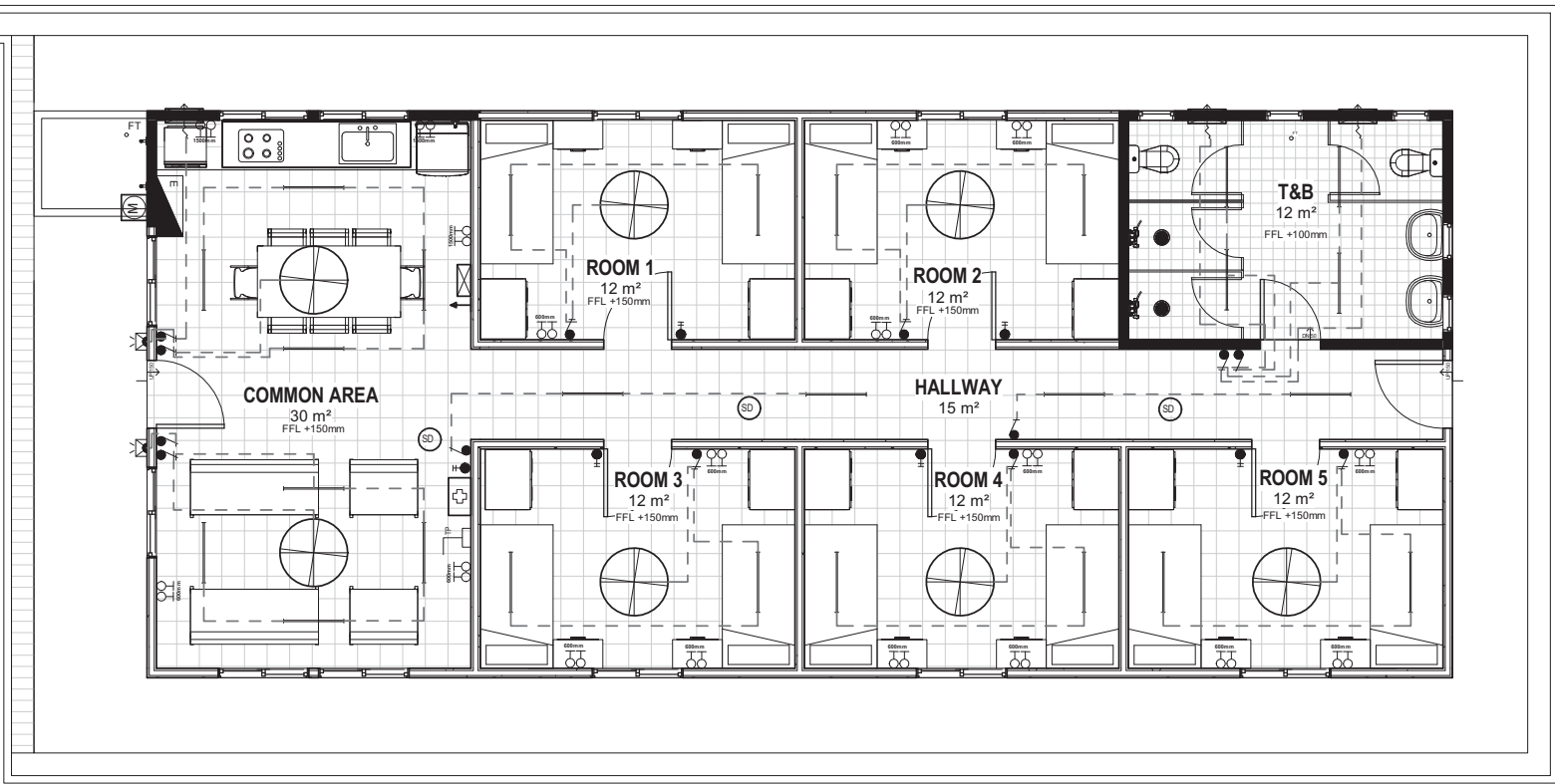
Project Name And Address

PROPOSED NEW 1 UNIT
STANDARD DESIGN OF FARM
LABOUR QUARTERS, BRUNEI
DARUSSALAM (FOR 10
PERSONS)

Drawing Name

GROUND FLOOR ELECTRICAL
LAYOUT PLAN

Designed By	KHS	
Drawn By	KHS,SHA	
Checked By	AQI	
Scale	1 : 100	
Date	09/02/22	
Project No	Sheet No	Rev.
PR120	K1	



ELECTRICAL SYMBOLS	
	1X LED TUBE LIGHTING
	WALL LIGHTING (WALL MOUNTED & WEATHERPROOF LIGHT FIXTURE)
	ONE GANG SINGLE TOGGLED SWITCH POINT
	ONE GANG TWO TOGGLED SWITCH POINT
	ONE GANG THREE TOGGLED SWITCH POINT
	2 x 13A SOCKET OUTLET at 600mm HIGH ABOVE FINISHED FLOOR LEVEL. FOR EXTERNAL AREA, WATER PROOF BOX OR COVER SHALL BE USED
	2 x 13A SOCKET OUTLET at 1500mm HIGH ABOVE FINISHED FLOOR LEVEL. FOR EXTERNAL AREA, WATER PROOF BOX OR COVER SHALL BE USED
	15A SWITCH SOCKET OUTLET
	CEILING FAN
	ELECTRICAL DISTRIBUTION BOARD
	PRE-PAID ELECTRIC METER
	300mm Dia. EXHAUST FAN PT. COME WITH FUSE CONNECTIOPN UNIT
	TV SOCKET POINT

JPB SYMBOLS	
	2.5KG (CO2) DRY EXTINGUISHER
	FIRE BLANKET (1 x 1.2 x 1.8m)
	SMOKE DETECTOR
TELECOMMUNICATION SYMBOLS	
	TELEPHONE OUTLET
	ACCESS TERMINATION BOX
	TERMINATION BOX
FIRST AID SYMBOLS	
	FIRST AID KIT BOX

GROUND FLOOR ELECTRICAL LAYOUT PLAN

SCALE 1:100

1:100 @ A3



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Project Date	18/08/2022	
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No	Description	Date
 KHA Arkitek P.O Box 272 MPC, Old Airport, Berakas BB3122 Contact No: 2610380		
Architect's Signature  <i>[Signature]</i> Khairul Haji Sirat Registration No: 0041441		
Client Name and Approved by: Department of Agriculture & Agrifood, BD		
Project Name And Address PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)		
Drawing Name ROOM PLAN & FURNITURE SCHEDULE		
Designed By	KHS	
Drawn By	KHS,SHA	
Checked By	AQI	
Scale	As indicated	
Date	08/31/22	
Project No	Sheet No	Rev.
PR120	P1	

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

LIST OF DRAWINGS

	DESCRIPTIONS	DRAWING NO.	REVISION NO.	REMARKS
1	LIST OF DRAWINGS	SBC/Q366/AFLQ/10P/RC/L - 100	2	
2	GENERAL NOTES	SBC/Q366/AFLQ/10P/RC/G-100		
3	150x150mm R.C PRECAST PILE FOUNDATION LAYOUT PLAN	SBC/Q366/AFLQ/10P/RC/CS-100		
4	PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 100 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-101		
5	PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 100 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-101A		
6	PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 100 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-101B		
7	PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 100 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-101C		
8	PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 150 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-102		
9	PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 150 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-102A		
10	PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 150 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-102B		
11	PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 150 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-102C		
12	PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 200 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-103		
13	PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 200 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-103A		
14	PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 200 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-103B		
15	PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 200 KN/m ²]	SBC/Q366/AFLQ/10P/RC/CS-103C		
16	COLUMN SCHEDULE	SBC/Q366/AFLQ/10P/RC/CS-104		
17	GROUND FLOOR BEAM LAYOUT PLAN	SBC/Q366/AFLQ/10P/RC/CS-200		
18	GROUND FLOOR BEAM DETAILS - 1	SBC/Q366/AFLQ/10P/RC/CS-201		
19	GROUND FLOOR BEAM DETAILS - 2	SBC/Q366/AFLQ/10P/RC/CS-202		
20	ROOF BEAM LAYOUT PLAN	SBC/Q366/AFLQ/10P/RC/CS-300		
21	ROOF BEAM DETAILS	SBC/Q366/AFLQ/10P/RC/CS-301		
22	ROOF TRUSSES LAYOUT PLAN	SBC/Q366/AFLQ/10P/RC/CS-400		
23	ROOF TRUSSES SECTION (FOR ROOF TRUSS TO REINFORCE CONCRETE BEAM CONNECTION)	SBC/Q366/AFLQ/10P/RC/CS-401		
24	ROOF TRUSSES AND PURLIN CONNECTIONS DETAILS (FOR ROOF TRUSS TO REINFORCE CONCRETE CONNECTION)	SBC/Q366/AFLQ/10P/RC/CS-402		
25	MISCELLANEOUS DETAILS - 1	SBC/Q366/AFLQ/10P/RC/MISC-100		
26	MISCELLANEOUS DETAILS - 2	SBC/Q366/AFLQ/10P/RC/MISC-101		



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc@brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	20/09/2022

SCALE:
N.T.S

TITLE:
LIST OF DRAWINGS
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/RC/L - 100
REV:	2

1. GENERAL

- 1.1 SETTING OUT:
ALL DIMENSIONS MEASURED ON SITE SHALL BE CHECKED AND CONFIRMED WITH RELEVANT ARCHITECTURAL, M&E, CIVIL AND STRUCTURAL DRAWINGS.
- 1.2 ANY DISCREPANCIES BETWEEN ARCHITECTURAL, C&S AND M&E DRAWINGS SHALL BE REFERRED TO PROJECT ARCHITECT OR STRUCTURAL ENGINEER OR M&E.
- 1.3 PLEASE NOTE THAT THE ARCHITECTURAL DRAWINGS GRID LINE AND STRUCTURAL DRAWINGS GRID LINES HAVE BEEN PURPOSELY OFF-SET TO EASE CONSTRUCTION ON STRUCTURAL MEMBERS.

2. STANDARDS & CODE OF PRACTICE

- 2.1 BS 8110 : 1985 STRUCTURAL USE OF CONCRETE
- 2.2 PBD 12 : 2008 BUILDING GUIDELINES AND REQUIREMENTS
- 2.3 BS 4449 : 1978 HOT ROLLED STEEL BARS FOR THE REINFORCEMENT OF CONCRETE

3. CONCRETE

3.1 CONCRETE STRENGTH :- 25 N/mm² (GRADE 25) UNLESS OTHERWISE STATED

LEAN CONCRETE	- 15 N/mm ²
PILE CAP	- 25 N/mm ²
COLUMN	- 25 N/mm ²
SLAB	- 25 N/mm ²
BEAM	- 25 N/mm ²

3.2 CONCRETE COVER TO ALL REINFORCEMENT INCLUDING LINKS SHALL MEET THE 2-HOUR FIRE RATING & AS STATED BELOW (UNLESS OTHERWISE STATED)

COLUMNS	: 30mm
BEAMS	: 30mm
PILE CAPS	: 75mm
SLABS	: 20mm

3.3 CONCRETE CURING : TO BE CARRIED OUT BY SPRAYING WITH WATER AND COVERING WITH EITHER GUNI SACKS OR PLASTIC SHEETS.

3.4 ANY COLD JOINTS AND HACKED CONCRETE SURFACE SHALL BE APPLIED WITH APPROVED BONDING AGENT BEFORE POURING NEW CONCRETE.

3.5 50mm (MINIMUM) THICK BLINDING LEAN CONCRETE SHALL BE PROVIDED BENEATH FOOTINGS, GROUND BEAMS AND ALL GROUND FLOOR SLABS SOFFIT.

4. STEEL REINFORCEMENT

- 4.1 THE MINIMUM YIELD STRENGTH OF STEEL REINFORCEMENT (WITH DENOTATION "T")FOR HIGH TENSILE DEFORMED BAR(TYPE 2 - 460 N/mm², STEEL FABRIC - 485 N/mm² (UNLESS OTHERWISE STATED.
- 4.2 THE MINIMUM YIELD STRENGTH OF STEEL REINFORCEMENT (WITH DENOTATION "R")SHALL BE 250N/mm².

5. ALL WATER RETAINING STRUCTURE OR WET AREAS SHALL BE APPLIED WITH APPROVED WATER PROOFING SYSTEM.

6. IF REQUIRED R.C LINTEL BEAM OF SIZES 150 X 200 REINFORCED WITH 2T12 (T&B) & R6 -150 LINKS SHALL BE PROVIDED TO ALL DOORS AND WINDOWS. STIFFENER, COLUMN SIZES 150X150 TO 200X200 REINFORCED WITH 4T12 & T10-150 LINKS SHALL BE PROVIDED IF REQUIRED.(FOR EG. ON WALL OF MORE THAN 3.5m IN HORIZONTAL LENGTH OR VERTICAL HEIGHT)

7. INCORPORATING OF M & E REQUIREMENTS IN STRUCTURAL DRAWINGS:
THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS INCORPORATING ALL M & E REQUIREMENTS, OPENINGS ETC INTO THE STRUCTURAL DRAWINGS AND OBTAIN THE PROJECT STRUCTURAL ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY FORM OF PERMANENT CONSTRUCTION WORKS. THE CONTRACTOR SHALL RESOLVE ALL DISCREPANCIES WITH ENGINEERS REGARDING M & E WORKS PRIOR TO CONCRETING.

8. NOTES FOR COMPACTION WORKS OF SUB-BASE AND SUB-GRADE.

1. ALL SUB-GRADE AND SUB-BASE LAYING WORKS SHALL BE WELL COMPACTED TO OVER 95% CBR.
2. MINIMUM OF FOUR NUMBER OF DRY FIELD DENSITY TESTS AND CBR TESTS SHALL BE CONDUCTED ON COMPACTED SUBGRADES AND SUB-BASE BEFORE CARRYING OUT ANY PERMANENT WORKS SUCH AS CONCRETING OF ACCESS ROAD, GARAGE NON-SUSPENDED FLOOR SLABS & HARD STANDINGS, ETC. THE TESTS RESULTS SHALL BE SUBMITTED TO CIVIL AND STRUCTURAL CONSULTANT ENGINEER FOR REVIEW AND APPROVAL TO PROCEED WITH PERMANENT WORKS (IF APPLICABLE BASIS ONLY).

9.REMOVAL OF FORMWORK

- A) THE TIME FOR THE REMOVAL OF FORMWORKS IS TO BE SUBJECTED TO ENGINEER'S APPROVAL, BUT THE FOLLOWING MAY BE TAKEN AS A GUIDE TO MINIMUM TIMES APPLICABLE UNDER NORMAL CIRCUMSTANCES:

SIDE OF COLUMNS/PIERS,WALLS AND BEAMS	3 DAYS
SOFFIT OF SLABS (PROPS LEFT UNDER)	14 DAYS
PROPS OF SLABS	28 DAYS
SOFFIT OF BEAMS (PROPS LEFT UNDER)	14 DAYS
PROPS TO SOFFIT OF BEAMS	28 DAYS

- B) SHUTTERING AND CENTERING SHALL BE REMOVED BY GRADUAL EASING WITHOUT JARRING, AND ONLY IN THE PRESENCE OF A COMPETENT SUPERVISER. BEFORE REMOVAL OF THE SHUTTERING, THE CONCRETE SHALL BE EXAMINED, AND REMOVAL SHALL PROCEED ONLY IF THE CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO SUPPORT ITS OWN WEIGHT AND ANYCONSTRUCTIONAL OR OTHER LOADS LIKELY TO COME UPON IT. IF ANY LOADING IN EXCESS OF THE DESIGN LOAD IS ANTICIPATED, APPROVED PROPS SHALL BE PROVIDED AFTER REMOVAL OF SHUTTERING.
- C) TO ENSURE THAT THE CONSTRUCTIONAL LOADS OF A FLOOR ARE SHARED BY AT LEAST TWO FLOORS BELOW IT, THE PROPS TO THE BEAMS AND SLABS OF A FLOOR SHALL NOT BE REMOVED UNTIL THE FLOOR ABOVE THE FLOOR IN QUESTION, IS STRONG ENOUGH TO SUPPORT ITSELF.

10. GENERAL NOTES FOR PILING WORKS

1. ALL PILES TO BE USED FOR THIS PROJECT SHALL BE OF BRUNEI DARUSSALAM MINISTRY OF DEVELOPMENT'S APPROVED TYPES AND BRAND NAMES OR AS PER S.O.'S APPROVAL.
2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL, BEFORE ANY PILING WORK IS STARTED, DETAILS OF :-
- PILE DRIVER INCLUDING SIZE OF HAMMER AND DROP.
- CONTRACTOR'S CALCULATIONS OF SETS, CALCULATED USING THE HILEY FORMULA.
- PROPOSED PROGRAM AND SEQUENCE OF PILE DRIVING INCLUDING TEST PILES.
3. NO PILING SHALL COMMENCE UNTIL THE SET VALUES SUBMITTED BY THE CONTRACTOR ARE APPROVED IN WRITING BY THE ENGINEER.
4. THE CALCULATED SETS SHALL ONLY BE USED AS A GUIDE FOR DRIVING AND THE SET SHALL BE CONFIRMED BY THE IN-SITU PILE TEST.
5. HOWEVER, PILE HYDRAULIC JACKING TO TWICE THE SAFE WORKING LOAD (MINIMUM) SHALL BE USED IF PILE HAMMERING ACTIVITIES CAUSES DISTURBANCES AND DISTRESS (EXCESSIVE VIBRATIONS) TO SURROUNDING BUILDINGS

11. GENERAL NOTES FOR R.C PILES

R.C PILES

1. ALL REINFORCED CONCRETE (R.C.) PRECAST PILES SHALL BE 150MM X 150MM REINFORCED CONCRETE PRECAST PILES OR AS PER SPECIFIED IN THE DRAWINGS.
2. CONCRETE GRADE SHALL BE GRADE 45 MINIMUM FOR NORMAL R.C. PRECAST PILES.
3. THE ALLOWABLE SAFE BEARING CAPACITY OF EACH R.C. PRECAST PILES POINT SHALL BE 25 TONNES.
4. THE EXPECTED PENETRATION DEPTH OF EACH PILE POINT IS 6 TO 15 METRES. THIS IS TO BE CONFIRMED DURING PILE DRIVING WORKS. (UNTIL PILE SET IS ACHIEVED UNLESS OTHERWISE STATED)
5. THE PILE SET SHOULD BE ACHIEVED WITH THE LAST 10 BLOWS FOR LESS THAN 20mm PENETRATION (PILE HAMMER OF ABOUT ONE TONNE WITH HAMMER DROP OF ABOUT 600mm TO ONE METRE)
6. ALL WELDING WORKS FOR JOINING OF PILES SHALL BE CARRIED OUT BY QUALIFIED LICENSED WELDERS.
7. IF ANY OF THE PILE POINTS DOES NOT PENETRATE 6 METRES DEEP INTO THE GROUND (IF PILE SET IS ACHIEVED AT LESS THAN 6 METRES PENETRATION LENGTH), THE CLIENT OR CONTRACTOR SHALL REPORT TO THE C&S CONSULTANT FOR REDESIGN REQUIREMENT OF THE PILE FOUNDATION.

11a. MILD STEEL TUBULAR PILING

- 11a.1 ALL PILES SHALL BE GRADE 43 SEAMLESS MS TUBES 114.3mm Ø x 6.3mm THICK TO B.S. 4848 PART II WITH AN ULTIMATE LOAD CAPACITY OF NOT LESS THAN 240kN.
- 11a.2 ALL PILING WORK SHALL BE CARRIED OUT IN ACCORDANCE TO THE GENERAL SPECIFICATION AS SHOWN IN SPECIFICATION OF MATERIALS AND WORKMANSHIP.

12. NOTES FOR PAD FOOTING

1. ALL PAD FOOTING CONSTRUCTION SHALL BE REFERRED TO THE PAD FOOTING LAYOUT PLAN N AND DETAILS
2. THE DESIGN IS BASED UPON THE GROUND BEARING CAPACITY AT ABOUT 2.0 METRES BELOW EXISTING GROUND LEVEL TO BE 150kN/m²
3. CONCRETE GRADE 30 SHALL BE USED FOR ALL PAD FOOTING WORKS

13. NOTES FOR BAKAU PILING

1. WITH A 1/2 TONNE HAMMER AND DROP OF 900mm, THE FINAL SET SHOULD NOT BE MORE THAN 75/10 BLOWS OR THE SET TO BE FINALISED BY THE ENGINEER DURING THE TEST PILING.
2. ALL BAKAU PILES SHOULD BE NOT LESS THAN 75mm Ø (ON AVERAGE), ALL PILES CUT-OFF SHALL BE AT THE LOWEST WATER LEVEL. EXACT LEVEL TO BE DETERMINED ON SITE BY THE ENGINEER.
3. IF PILE REQUIRED TO BE SPLICED TOGETHER, A TUBULAR SPLICE WITH A HEAVY PIPE 90mm Ø x 600mm LONG x 6mm THICK SHOULD BE USED AT LEAST 4 HOLES SHALL BE PROVIDED IN THE PIPE FOR DRIVING 65mm LONG NAILS SPIKE INTO THE PILE.
4. ACTUAL SPACING OF BAKAU PILES TO BE DECIDED ON SITE.

14. NOTES FOR SAFETY OF EXISTING UNDER GROUND SERVICES

1. MAIN CONTRACTOR TO CARRY OUT PILOT TRENCHING (ADEQUATE GROUND INVESTIGATION) BEFORE CARRYING OUT ANY EXCAVATION WORKS FOR DRAINAGE WORKS, PILING WOKS AND OTHER WORKS THAT MAY AFFECT THE BURIED (UNDER GROUND) EXISTING SERVICES/UTILITIES SUCH AS ELECTRICAL CABLES, FIBRE OPTIC CABLES, TELECOM CABLES, WATER PIPES. .THIS IS IMPORTANT TO PREVENT ANY DAMAGE TO SUCH SERVICES /UTILITIES SAFETY THREAT TO ALL STATEHOLDERS.

15. NOTES FOR WATERPROOFING WORKS :

1. ALL INTERNAL OR EXTERNAL SURFACES OF WATER RETAINING STRUCTURE OR WET AREAS SUCH AS TOILETS, RC ROOF SLABS, RC GUTTERS, M&E ROOMS AND KITCHENS SHALL BE WATERPROOFED WITH APPROVED WATERPROOFING SYSTEM.
2. ALL WATERPROOFING WORKS SHALL BE CARRIED OUT BY MANUFACTURER'S APPROVED INSTALLER/APPLICATOR AND SHALL BE APPLIED IN STRICT ACCORDANCE TO THE MANUFACTURER'S APPROVED PROCEDURES OR AS PER ENGINEER'S APPROVAL.
3. SUFFICIENT CURING TIME SHALL BE ALLOWED BEFORE INSTALLATION OF ANY PROTECTIVE SCREED OR ARCHITECTURAL FINISHES.
4. WATERPROOFING SYSTEMS THAT HAS BEEN APPROVED FOR INSTALLATION SHALL CARRY A 10 YEAR WARRANTY PERIOD BY THE MANUFACTURER OR BY THE MANUFACTURER'S REPRESENTATIVES OR BY THE APPROVED LOCAL DISTRIBUTOR/APPLICATOR.

16. GENERAL NOTES FOR ANY STRUCTURAL STEEL WORKS

1. MAIN CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STEEL WORKS FOR STRUCTURAL ENGINEER'S APPROVAL BEFORE ORDERING, PURCHASING, FABRICATING AND ERECTING ANY STEEL STRUCTURAL WORKS.
2. PROPOSED CONNECTION DETAILS TO BE PROVIDED IN THE STRUCTURAL SHOP DRAWINGS FOR STRUCTURAL ENGINEER'S APPROVAL.
3. ALL STEEL SECTION MEMBERS SHALL BE SAND BLASTED BEFORE APPLYING ANY APPROVED ANTI-CORROSION COATING SYSTEM.
4. ALL WELDING WORKS SHALL BE CARRIED OUT BY QUALIFIED LICENSED WELDERS.

17. NOTES FOR TURFING :

1. ALL TURFS SHALL BE 225MM SQUARE FROM AN APPROVED SOURCE FREE FROM LALLANG AND OTHER WEEDS.
2. BLACK EARTH OF 50MM THICKNESS SHALL BE SPREAD ON TO THE GROUND WHERE TURFING IS TO BE DONE.
3. SPOT TURFING SHALL BE LAID AT 300MM CENTRES.
4. CLOSED TURFING TO BANKS SHALL BE PEGGED IN PLACE WITH 25MM DIAMETER PEGS 225MM LONG.
5. ALL TURFING SHALL BE WATERED UNTIL SATISFACTORILY ESTABLISHED AND ALL TURFING THAT HAS BECOME DEFECTIVE WITHIN SIX MONTHS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. DURING THE PERIOD OF THE WORKS AND MAINTENANCE, THE CONTRACTOR SHALL KEEP ALL TURFED AREAS WATERED, MOWN OR CUT AND CLEARED OF GRASS CUTTING TO THE SATISFACTION OF THE ENGINEER. THE FIRST CUT SHALL BE MADE WHEN THE GRASS IS 100MM HIGH, FOLLOWED BY REGULAR CUTTING SO THAT THE VEGETATION AT NO TIME EXCEEDS 150MM IN HEIGHT.

18. DRAWING NOTE:

1. ALL STRUCTURAL DRAWING ARE DRAWN TO APPROXIMATE SCALE. ANY DISCREPANCY IN STRUCTURAL DRAWING DIMENSIONS, EXACT DIMENSION SHALL BE REFERRED TO STRUCTURAL ENGINEER.

19. GENERAL NOTES FOR FLOOR HARDENER REQUIREMENTS:

1. ALL CONCRETE SLAB SURFACES WHICH ARE NOT COVERED WITH HEAVY DUTY DECORATIVE TILES AND TO BE USED AS CAR PARKS OR ACCESS ROADS (FOR SELECTED AREAS) SHALL BE APPLIED WITH SUITABLE FLOOR HARDENERS SYSTEM (TO INCLUDE POWER FLOAT TROWELLING IF APPLICABLE)

20. GENERAL NOTES FOR BRICKWALL WORKS:

1. ALL BRICKS TO BE USED SHALL BE REGULAR IN SIZE AND APPROVED BY ABCI
2. REINFORCED CONCRETE STIFFENERS (100x100 WITH APPROPRIATE REINFORCEMENTS)SHALL BE PROVIDED AT EVERY INTERVAL OF 3.5m OF BRICK WORK LENGTH

21. NOTES FOR WORKPLACE SAFETY, HEALTH AND ENVIRONMENT COMPLIANCE & INSURANCES & TEMPORARY WORKS:

1. MAIN CONTRACTOR SHALL ENSURE TO COMPLY FULLY WITH ALL PREVAILING RULES, REGULATIONS AND LAWS OF NEGARA BRUNEI DARUSSALAM ON WORKPLACE SAFETY, HEALTH AND ENVIRONMENTAL ASPECTS THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD AND DEFECTS LIABILITY PERIOD
2. MAIN CONTRACTOR SHALL ENSURE THAT ALL APPLICABLE INSURANCES ARE VALID THROUGHOUT THE CONSTRUCTION PERIOD AND DEFECTS LIABILITY PERIOD SUCH AS CONTRACTOR'S ALL RISK INSURANCE OR OTHERS SUCH AS WORKMEN COMPENSATION INSURANCE POLICY, PUBLIC LIABILITY INSURANCE POLICY AND FIRE INSURANCE POLICY(WHICHEVER IS APPLICABLE AS PER SUPERINTENDING OFFICERS INSTRUCTIONS)
3. MAIN CONTRACTOR SHALL EMPLOY INDEPENDENT CONSULTANT TO CARRYOUT DESIGN WORKS FOR ALL TEMPORARY WORKS AND THAT SUCH TEMPORARY WORKS DESIGN REQUIREMENT ARE FULLY COMPLIED DURING ITS EXECUTION

22. NOTES FOR ROOF TRUSSES:

1. ROOF TRUSSES SHALL BE LIGHTWEIGHT PROPRIETARY SYSTEM SUCH AS LYSAGTH SMART TRUSS SYSTEM OR APPROVED TECHNICAL EQUIVALENT SHALL BE DESIGNED BY MANUFACTURER COMPANY.
2. THE INSTALLATION WORKS SHALL BE CARRIED OUT BY MANUFACTURER'S APPROVED INSTALLER.



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT

No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE		

DESIGNED BY

THAN ZAW TUN

DRAWN BY

SAI

CHECKED BY

MD. YUNUS

APPROVED BY

DATE

13/09/2022

SCALE:

N.T.S

TITLE:

GENERAL NOTES

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

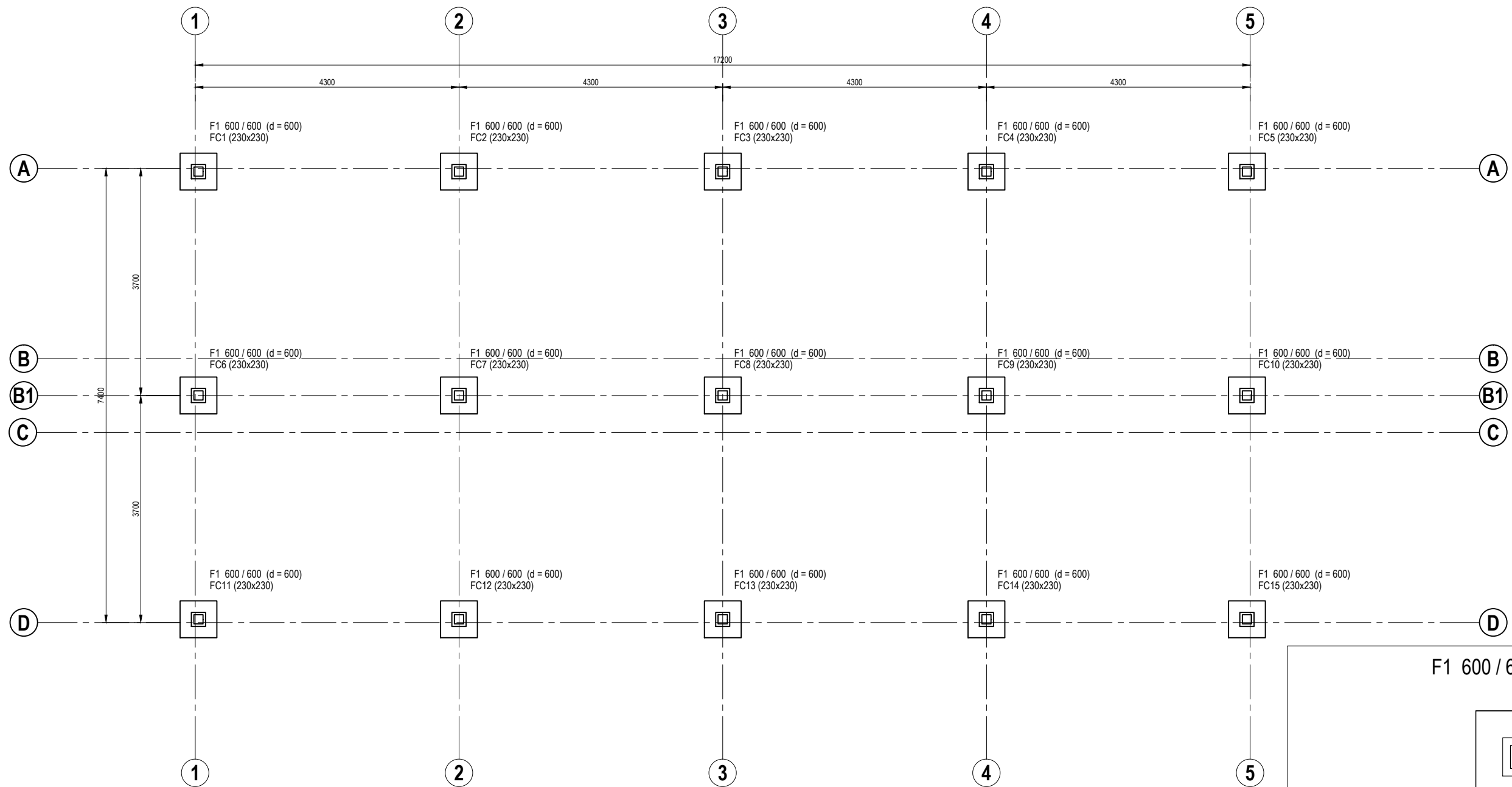
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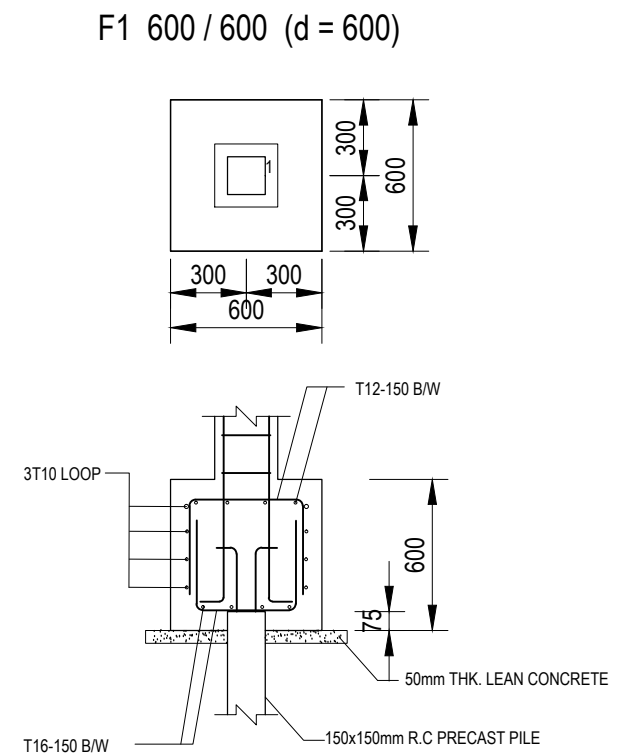
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SBC/Q366/AF/LQ/10P/RC/G - 100

REV:



150x150mm R.C PRECAST PILE FOUNDATION LAYOUT PLAN
SCALE 1 : 75



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
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DATE

13/09/2022

SCALE:

1:75

TITLE:

125x125mm R.C PRECAST PILE FOUNDATION LAYOUT PLAN

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

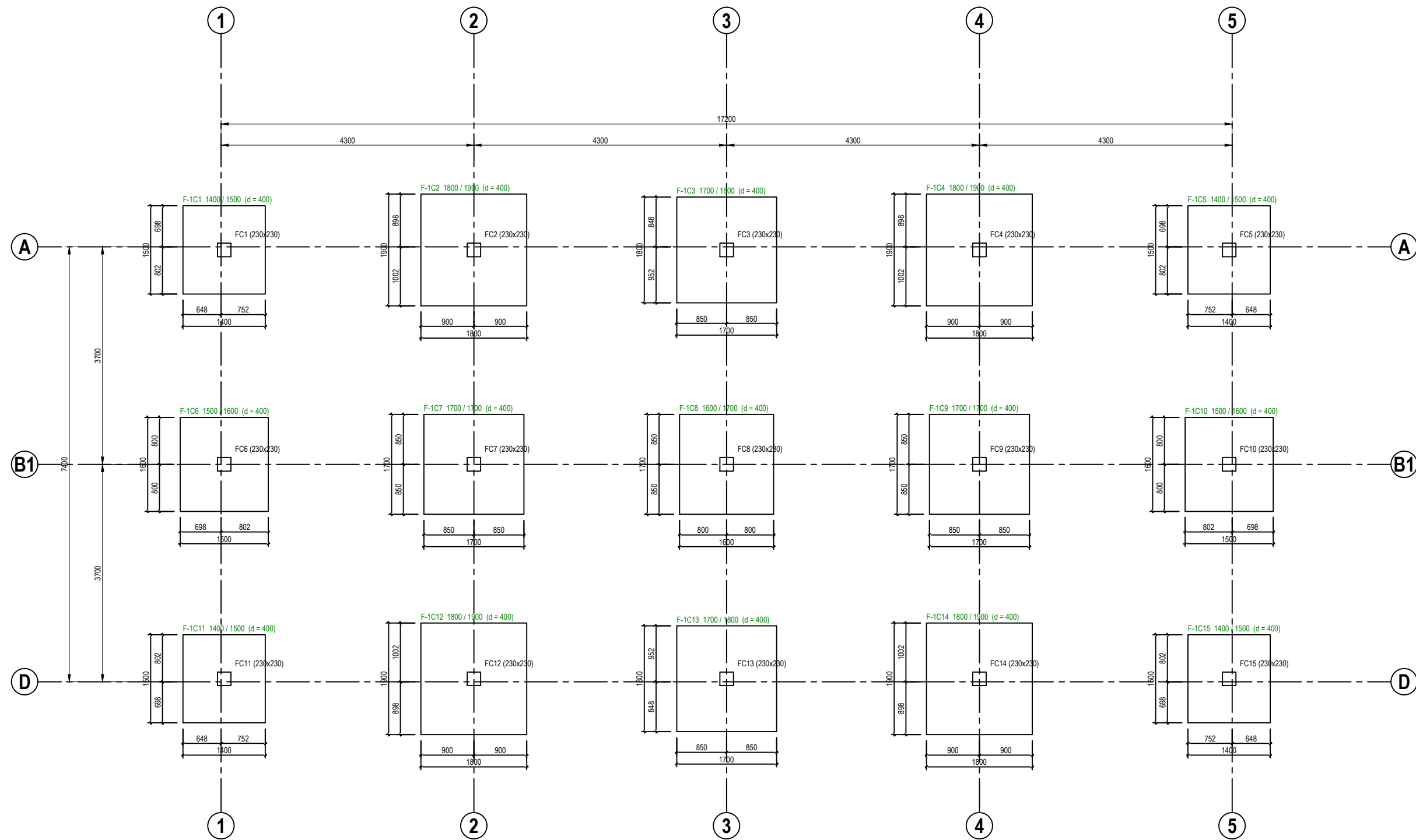
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SHEET NO:

DRAWING NO:

SBC/Q366/AFLQ/10P/RC/CS - 100

REV:



PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 100 KN/m²]
SCALE 1 : 75



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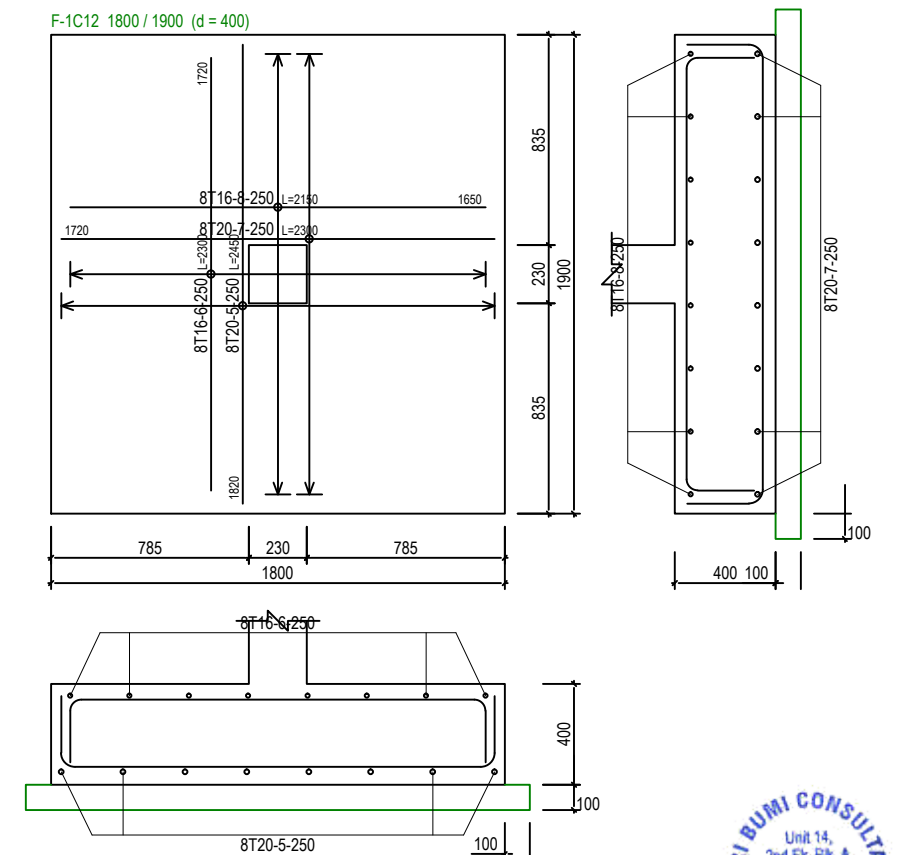
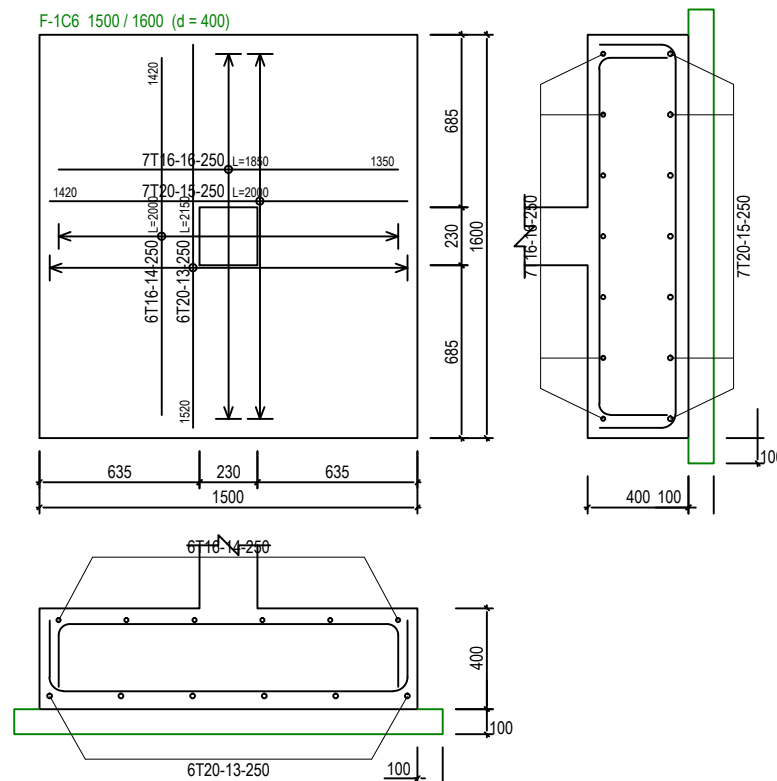
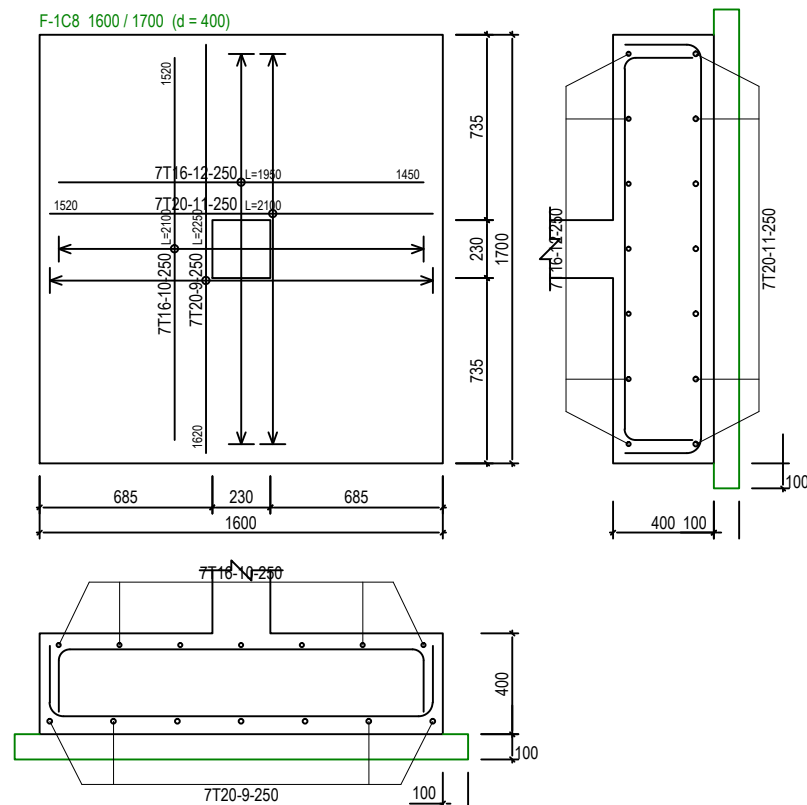
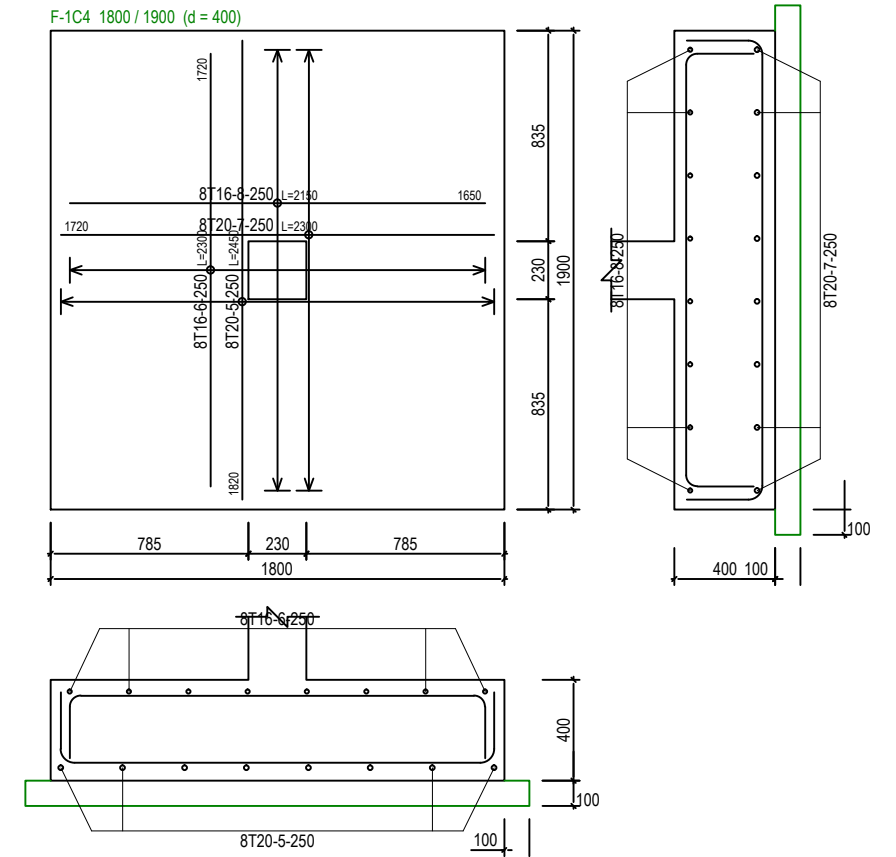
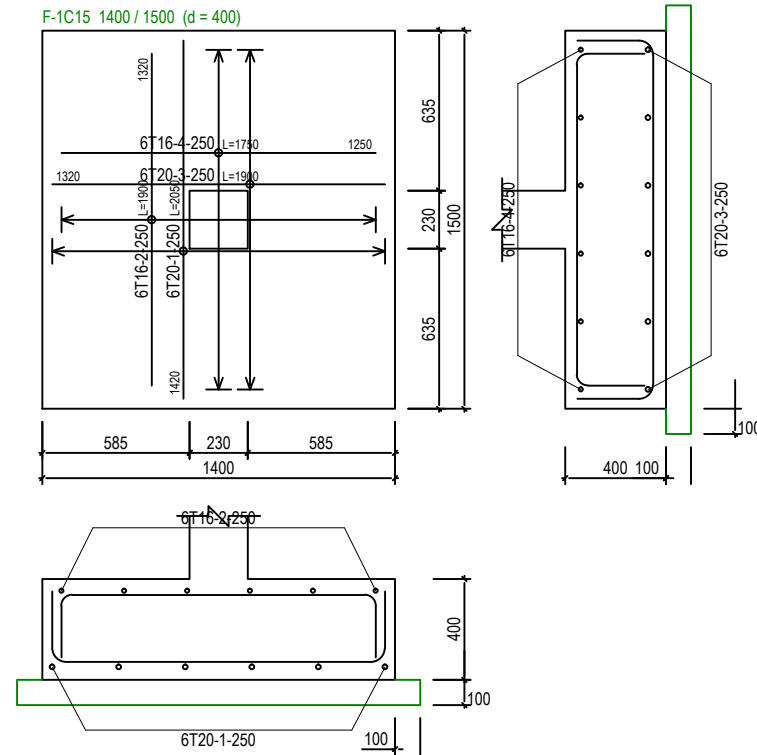
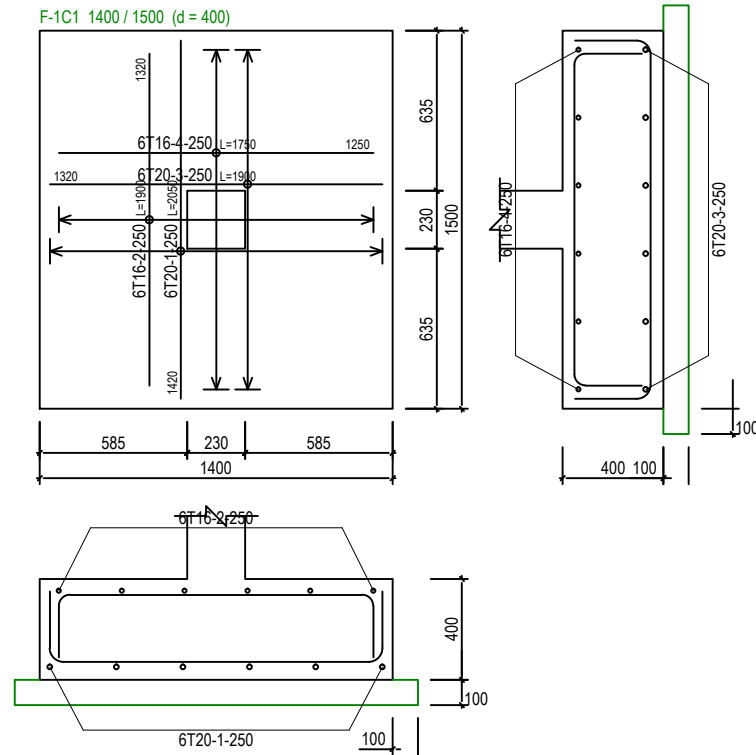
NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	13/09/2022

SCALE:
1:75

TITLE:
PAD FOOTING FOUNDATION LAYOUT PLAN
[ALLOWABLE STRESS OF SOIL 100KN/m²]
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/RC/CS - 101
REV:	



PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 100 KN/m²] SCALE 1:30



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
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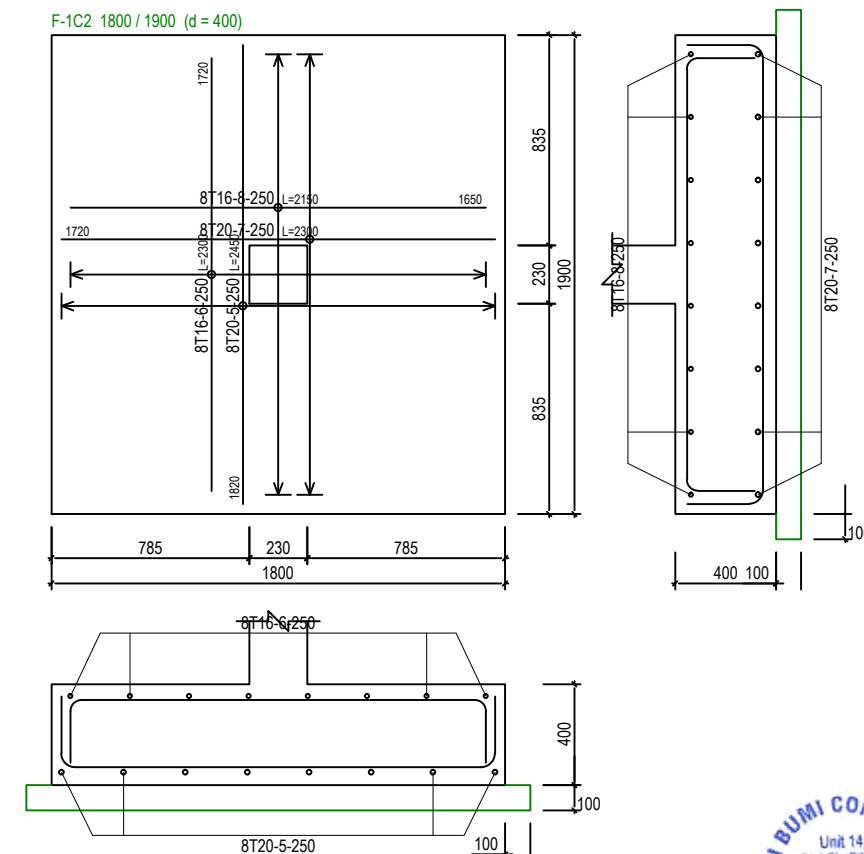
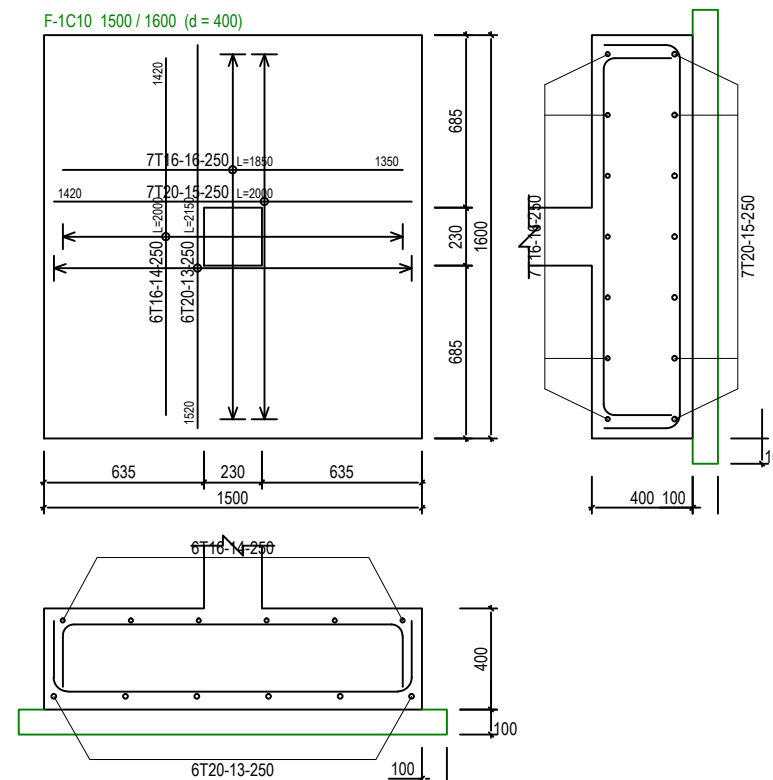
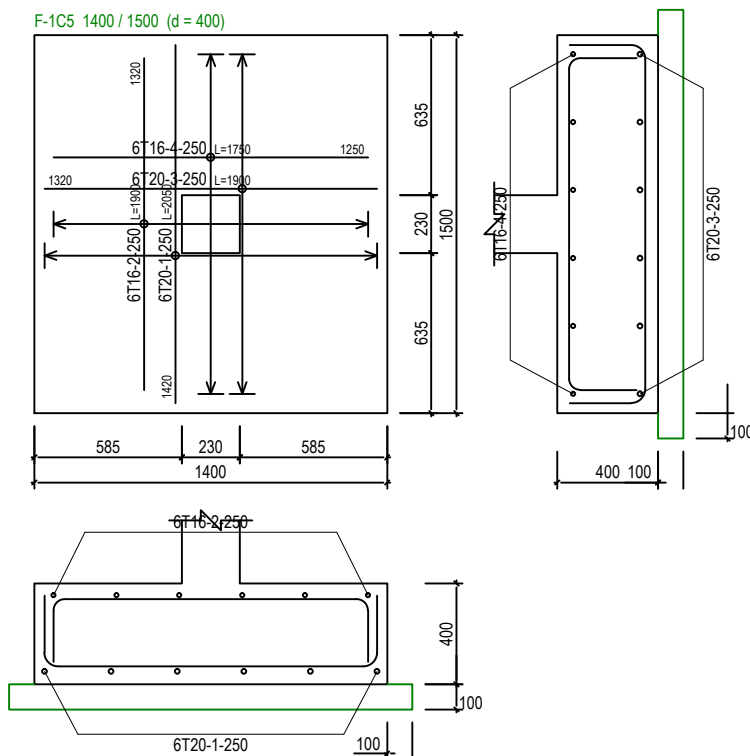
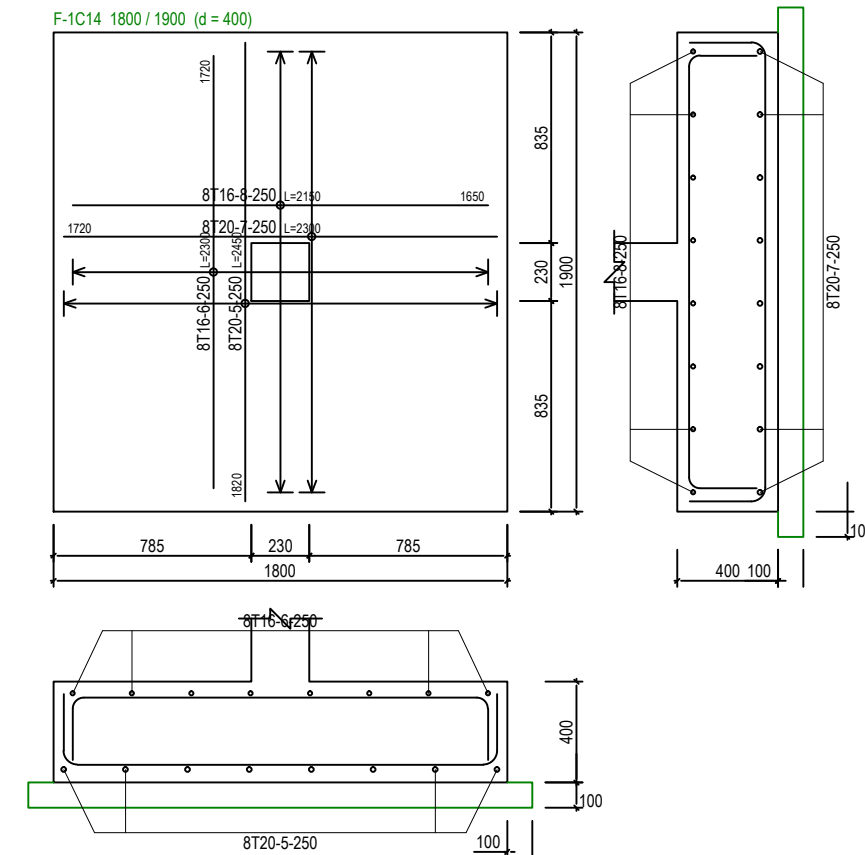
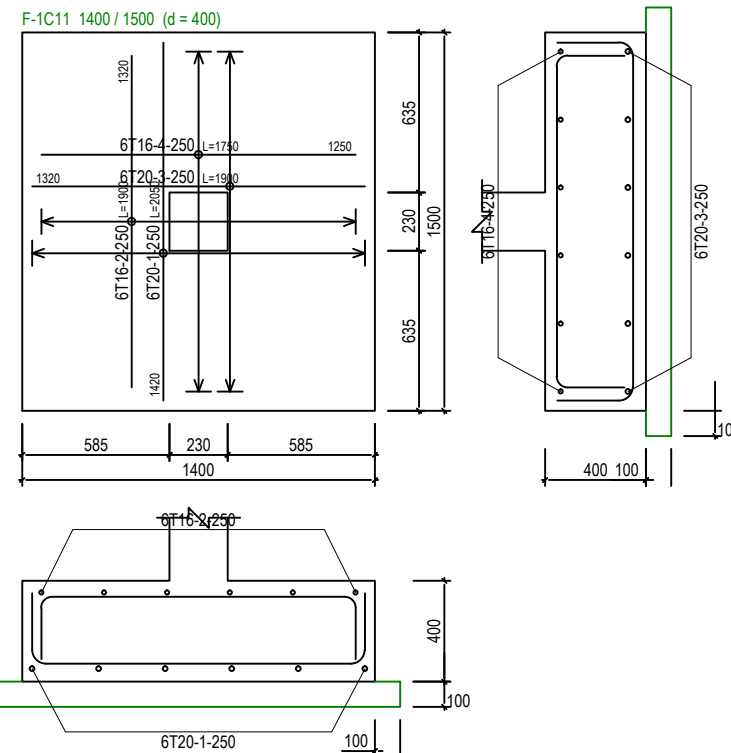
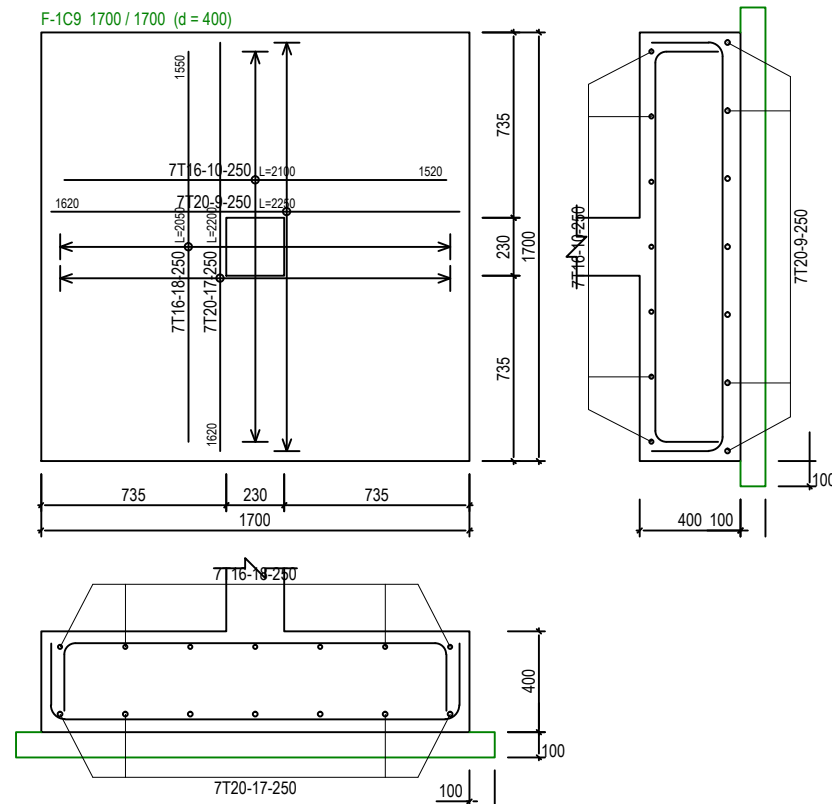
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APPROVED BY	13/09/2022

SCALE:
1:30

TITLE:
PAD FOOTING DETAILS - 1
[ALLOWABLE STRESS OF SOIL 100KN/m²]
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
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DRAWING NO:	SBC/Q366/AFLQ/10P/RC/CS-101A
REV:	



PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 100 KN/m²]

SCALE 1:30



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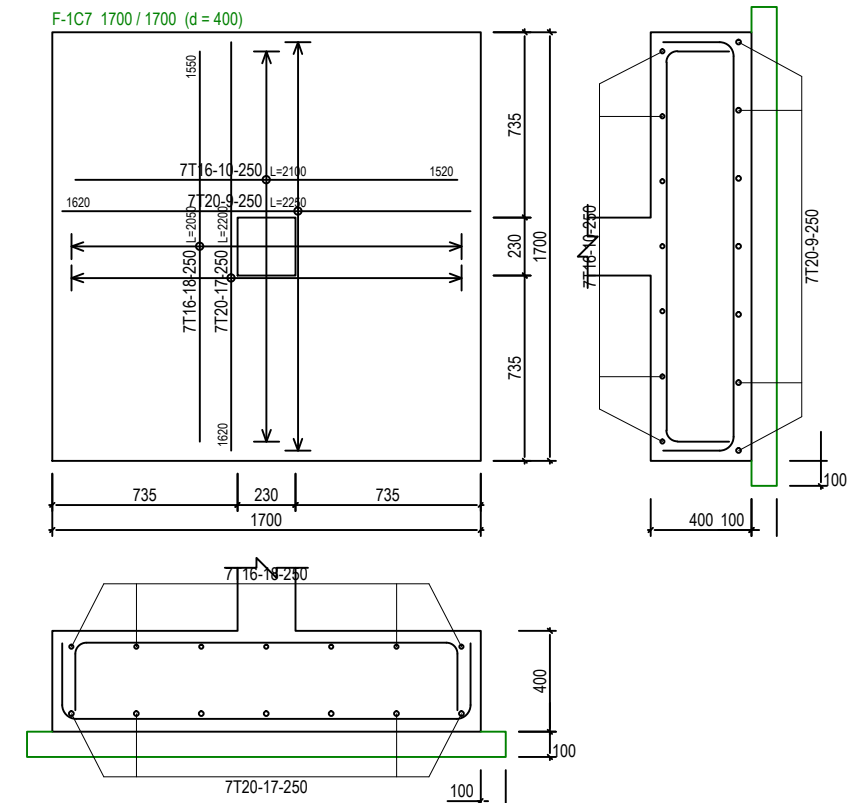
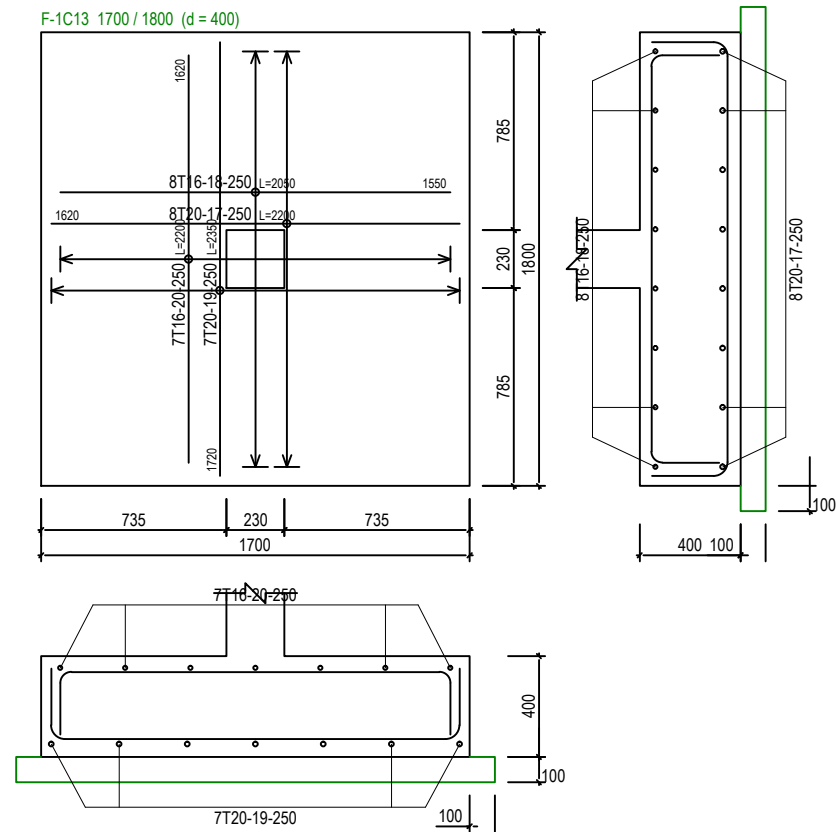
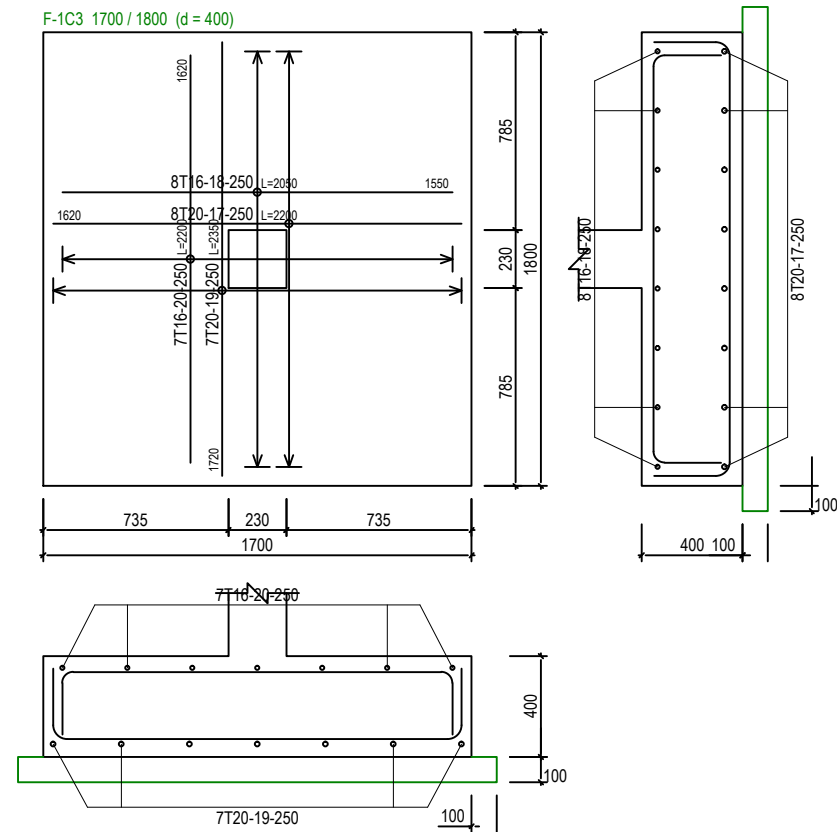
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APPROVED BY	DATE 13/09/2022

SCALE:
1:30

TITLE:
PAD FOOTING DETAILS - 2
[ALLOWABLE STRESS OF SOIL 100KN/m²]

PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/RC/CS-101B
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PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 100 KN/m²] SCALE 1:30



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SCALE:

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TITLE:
 PAD FOOTING DETAILS - 3
 [ALLOWABLE STRESS OF SOIL 100KN/m²]

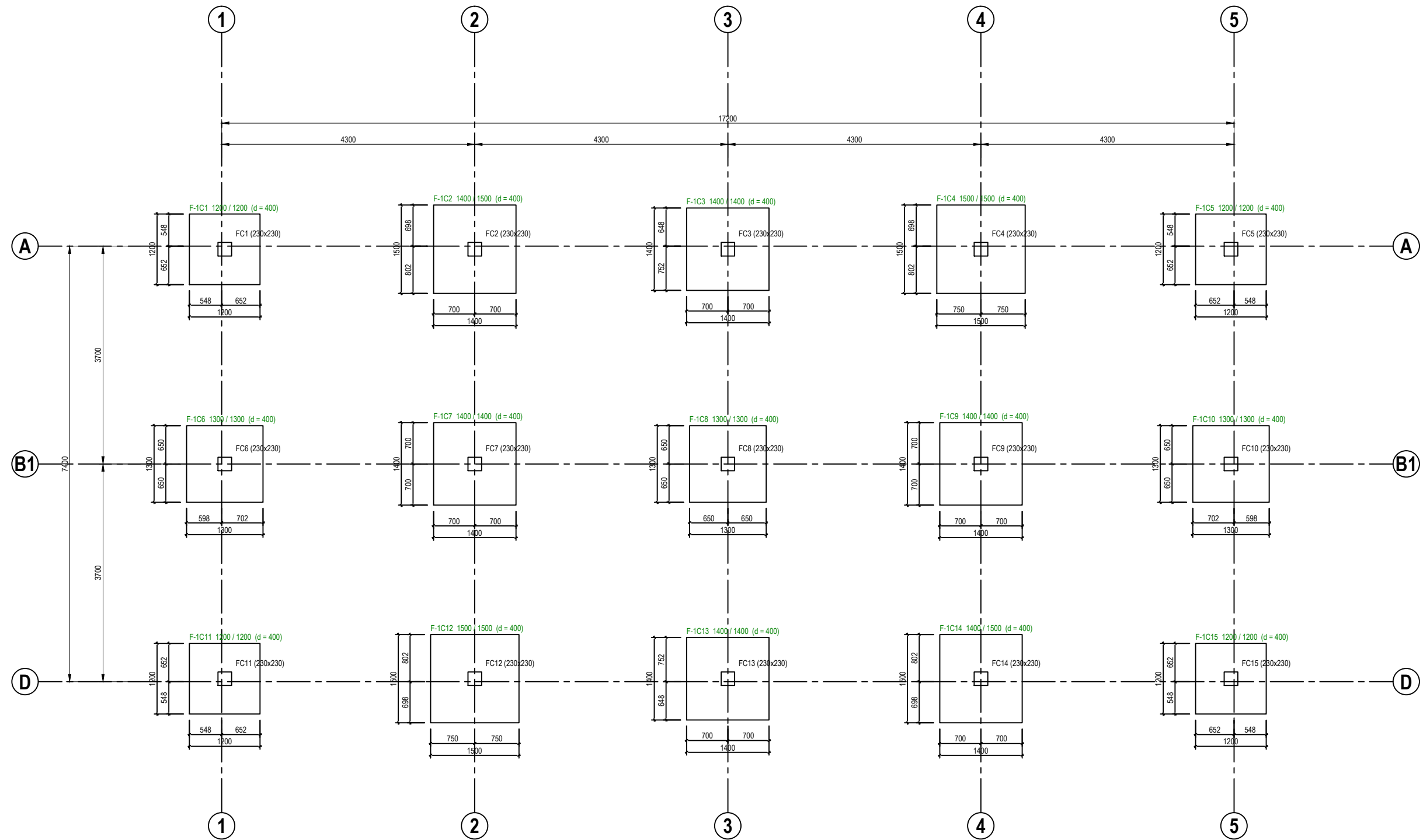
PROJECT:
 PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
 BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:

SHEET NO:

DRAWING NO:
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PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 150 KN/m²]
SCALE 1 : 75



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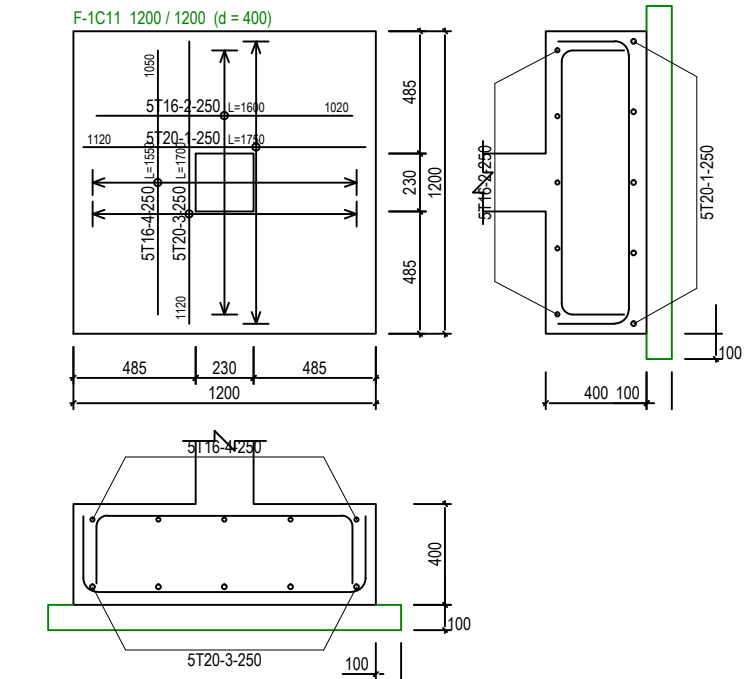
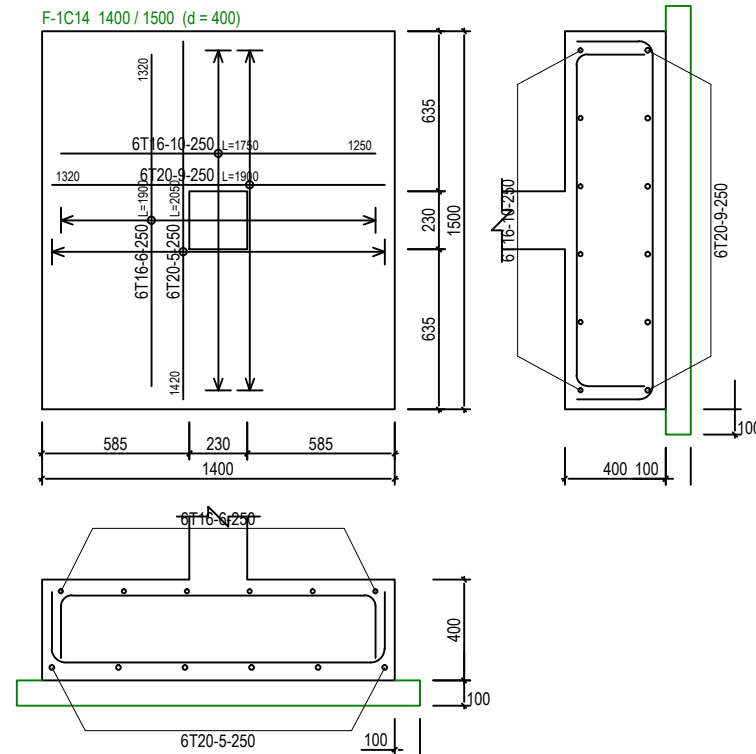
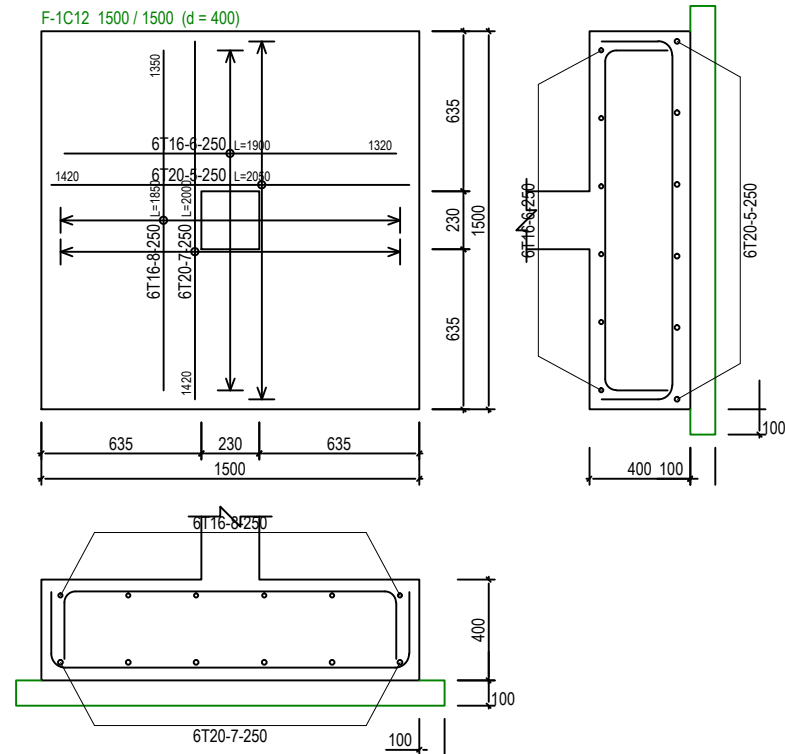
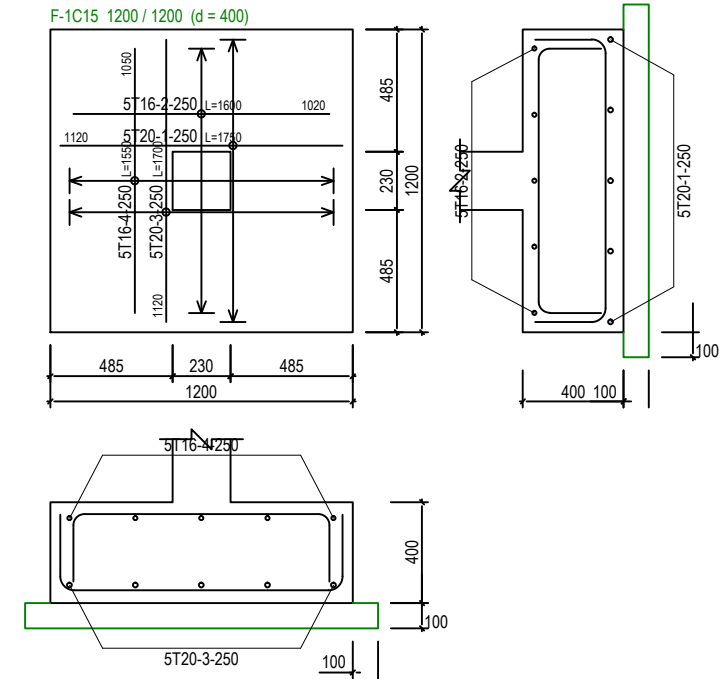
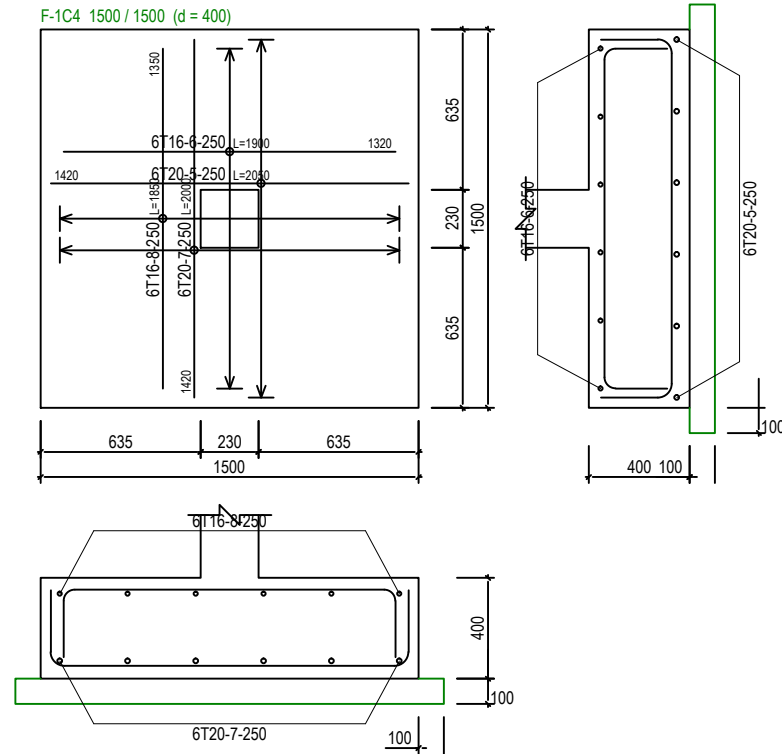
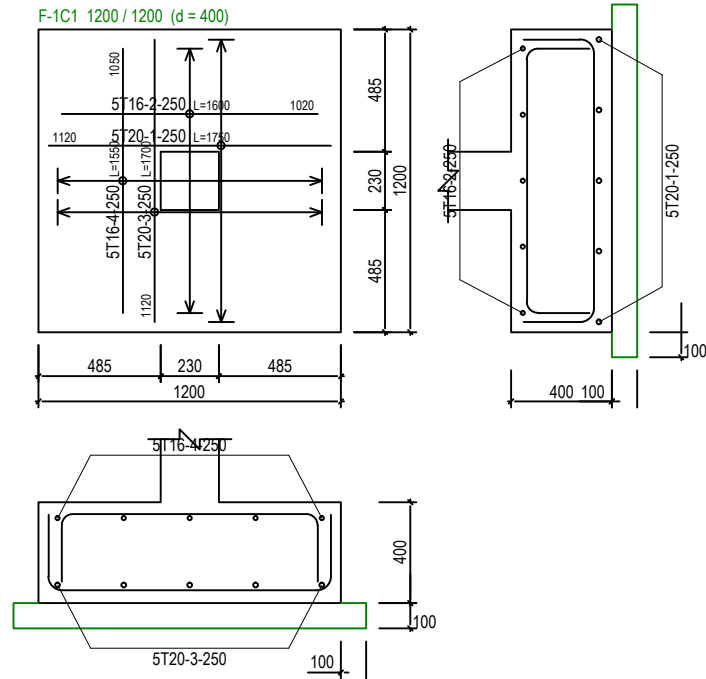
CLIENT:

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	13/09/2022

SCALE:
1:75

TITLE:
PAD FOOTING FOUNDATION LAYOUT PLAN
[ALLOWABLE STRESS OF SOIL 150KN/m²]
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

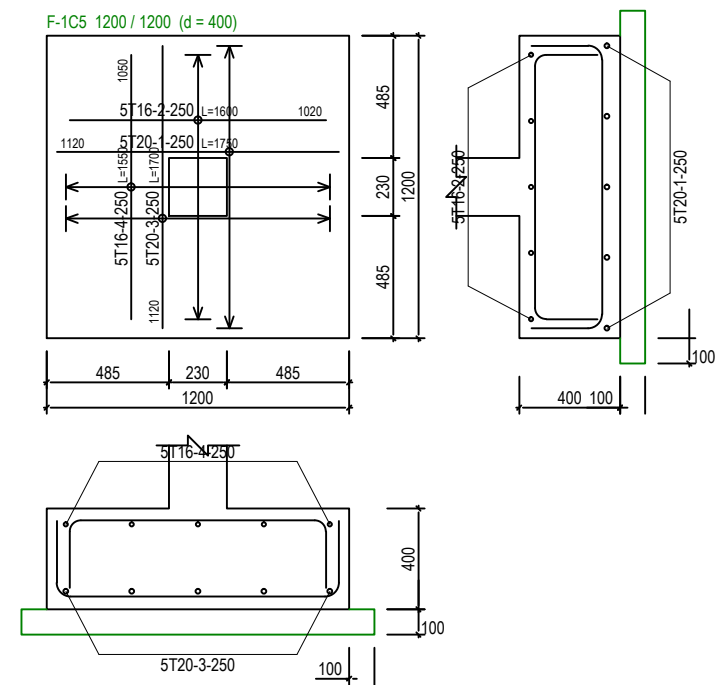
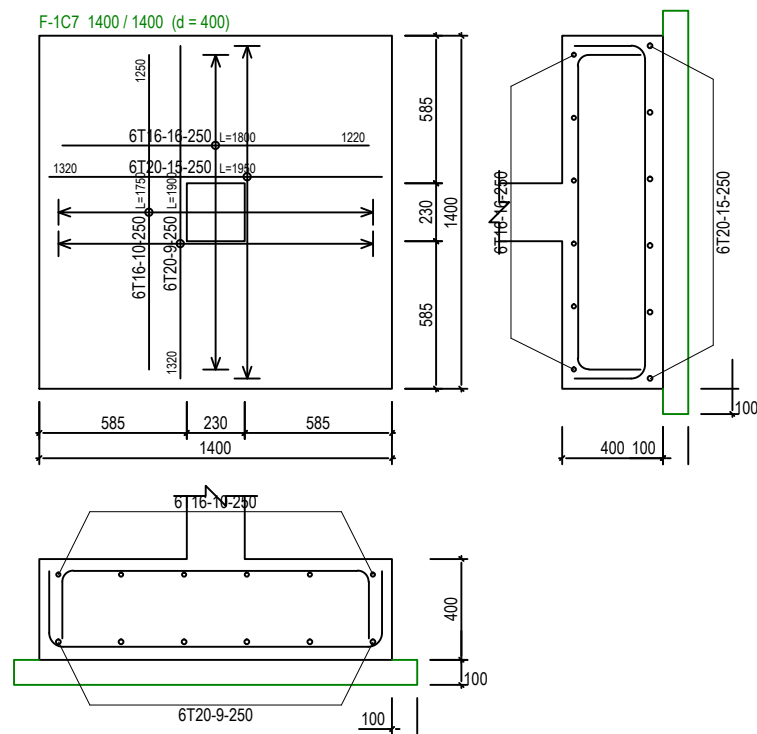
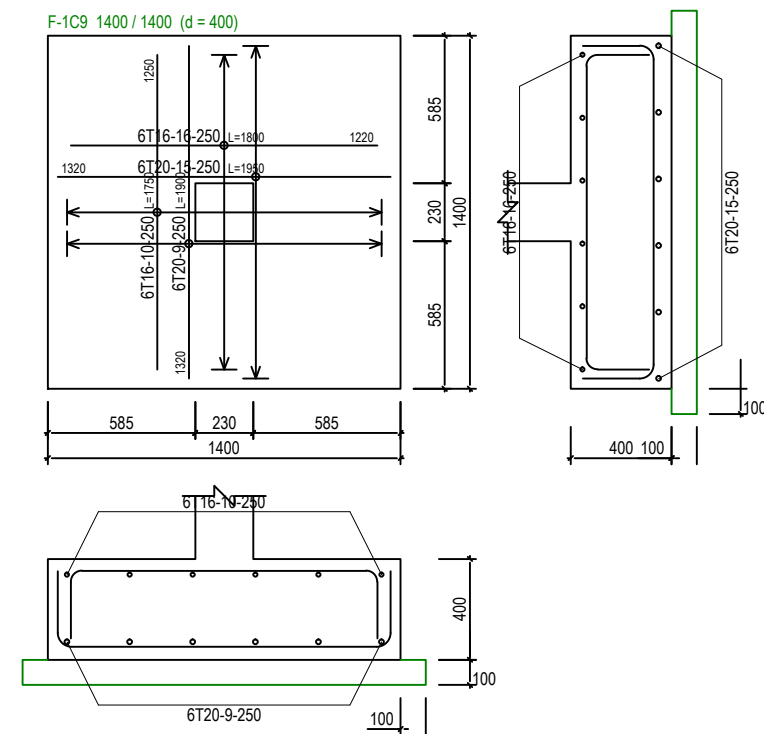
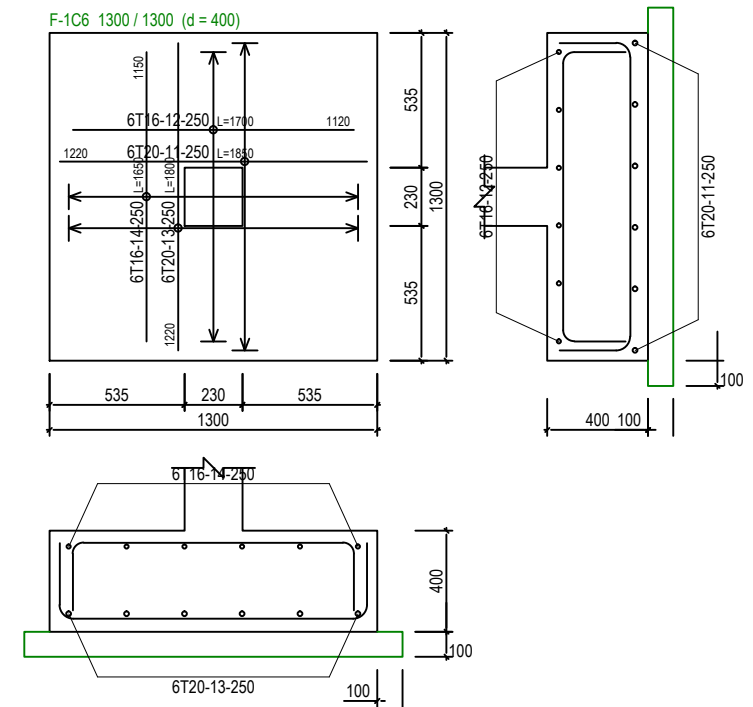
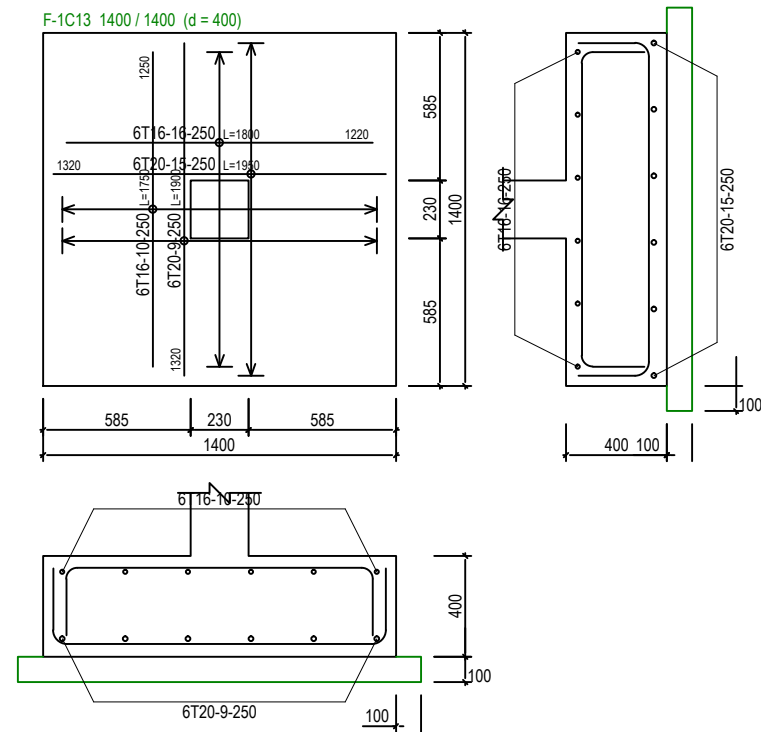
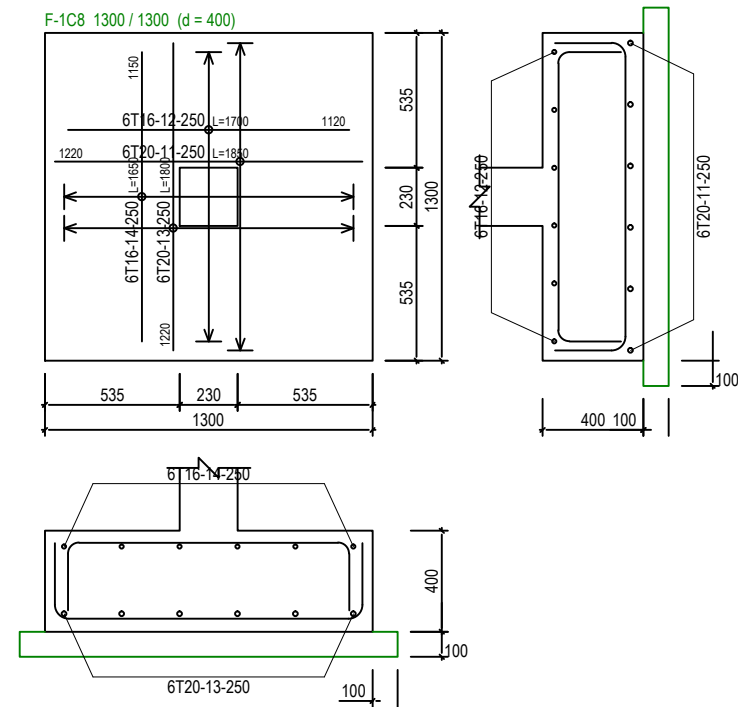
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DRAWING NO:	SBC/Q366/AFLQ/10P/RC/CS -102
REV:	



PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 150 KN/m²] SCALE 1:30



 SERI BUMI CONSULTANT CIVIL & STRUCTURAL ENGINEERING CONSULTANT No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG 21, JALAN GADONG, BSB, BRUNEI DARUSSALAM TEL: 673-2427275 FAX: 673-2427279 E-MAIL: sbc.brunei@gmail.com	CLIENT:				DESIGNED BY	THAN ZAW TUN	SCALE: 1:30	TITLE: PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 150KN/m ²]	JOB NO:	
					DRAWN BY	SAI		SHEET NO:		
					CHECKED BY	MD. YUNUS		PROJECT:	DRAWING NO:	REV:
					APPROVED BY			PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)	SBC/Q366/AFLQ/10P/RC/CS-102A	
					DATE	13/09/2022				
				NO.	AMENDMENTS	BY	DATE			



PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 150 KN/m²]
SCALE 1:30



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CLIENT:

NO.	AMENDMENTS	BY	DATE

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APPROVED BY	
DATE	13/09/2022

SCALE:

1:30

TITLE:
PAD FOOTING DETAILS - 2
[ALLOWABLE STRESS OF SOIL 150KN/m²]
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

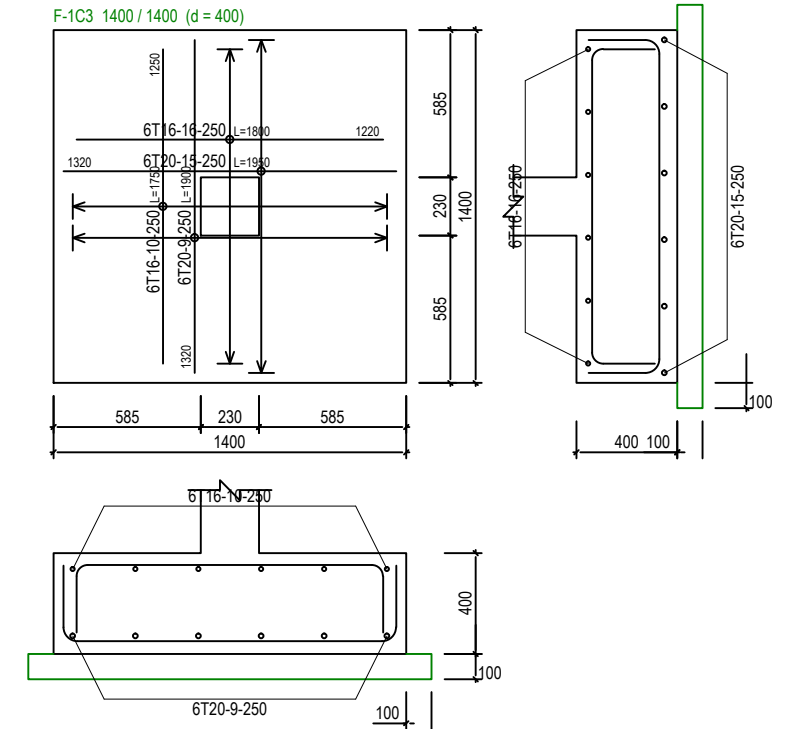
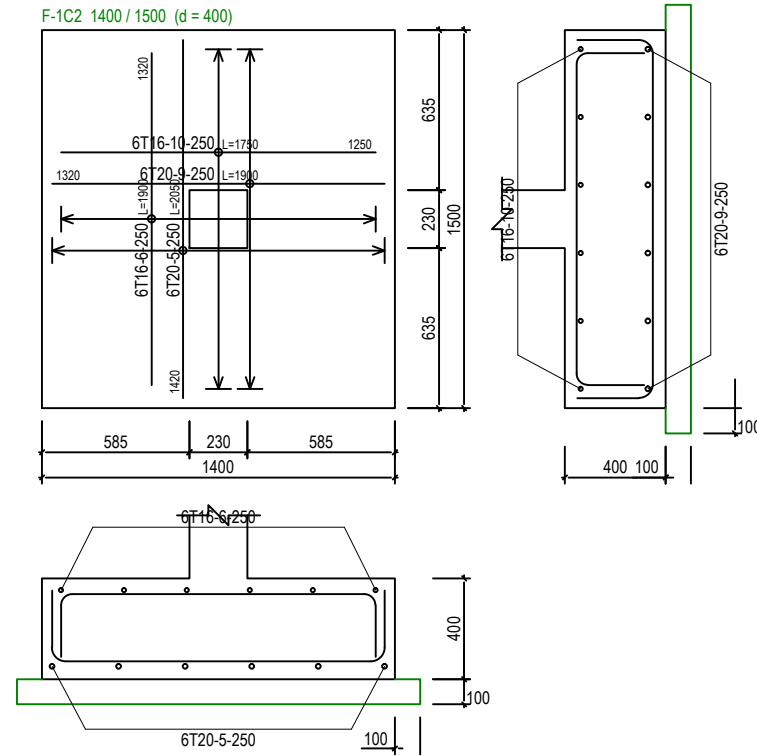
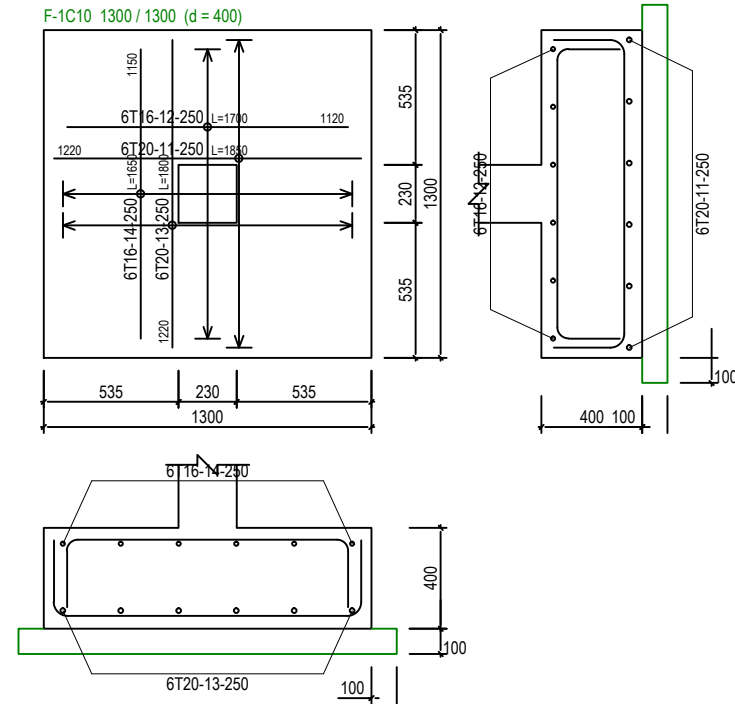
JOB NO:

SHEET NO:

DRAWING NO:

SBC/Q366/AFLQ/10P/RC/CS-102B

REV:



PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 150 KN/m²] SCALE 1:30



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DATE	13/09/2022

SCALE:

1:30

TITLE:
PAD FOOTING DETAILS - 3
[ALLOWABLE STRESS OF SOIL 150KN/m²]

PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

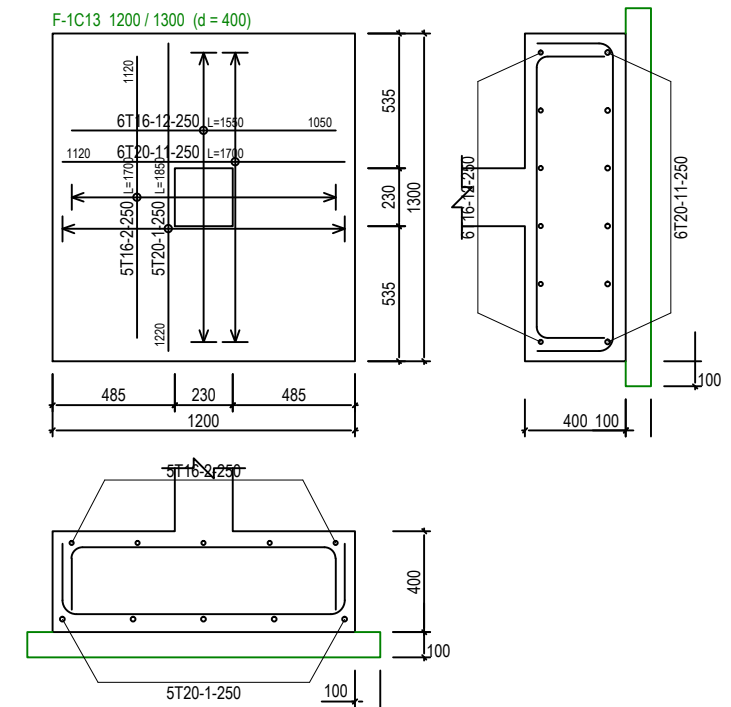
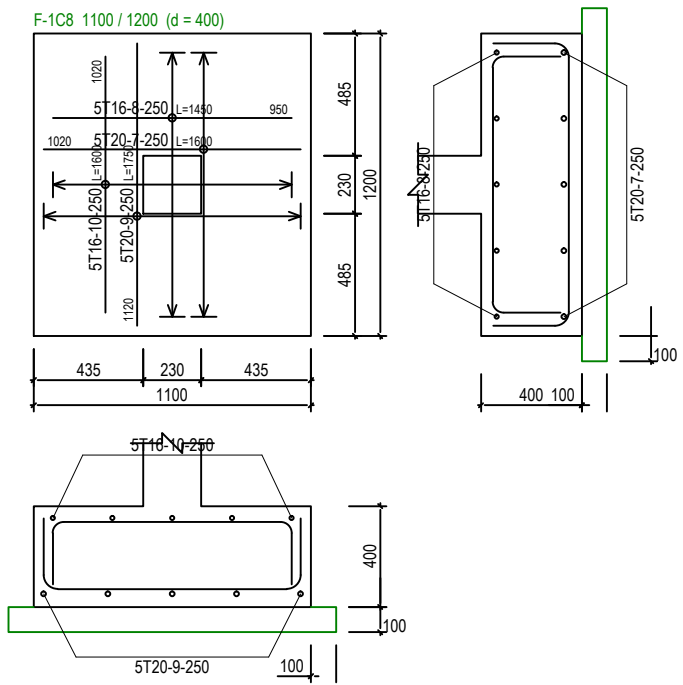
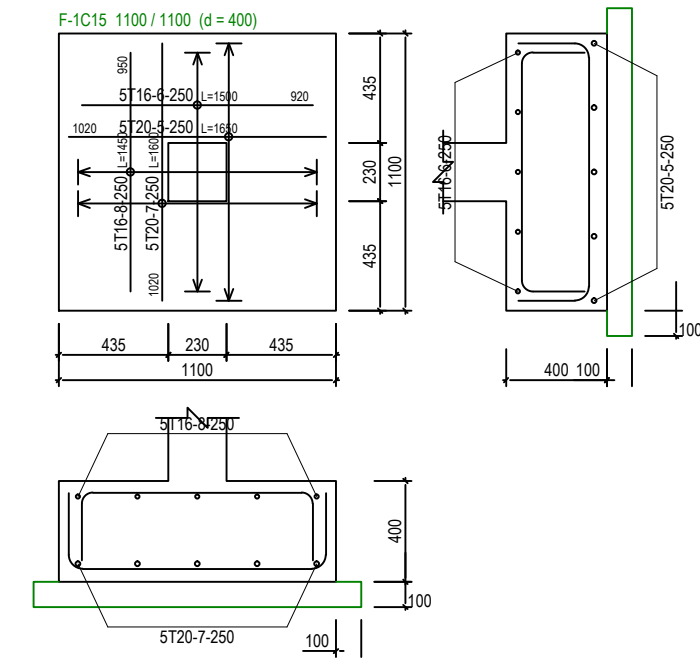
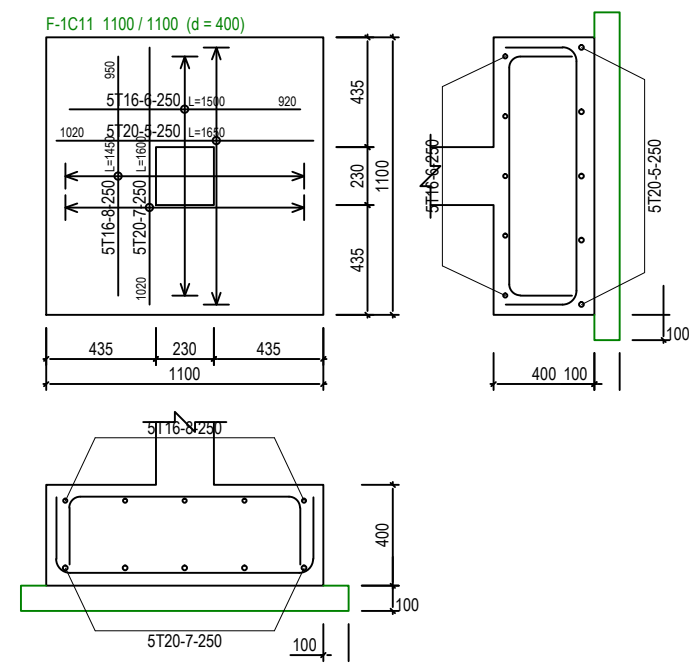
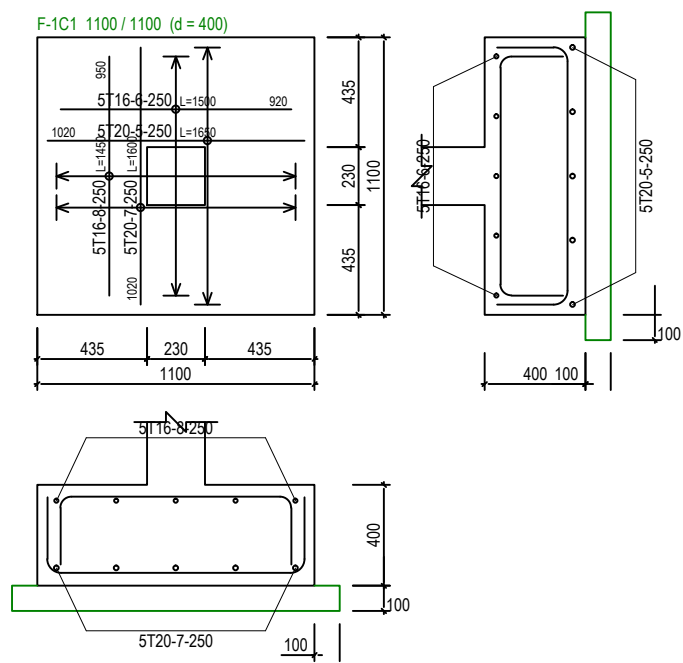
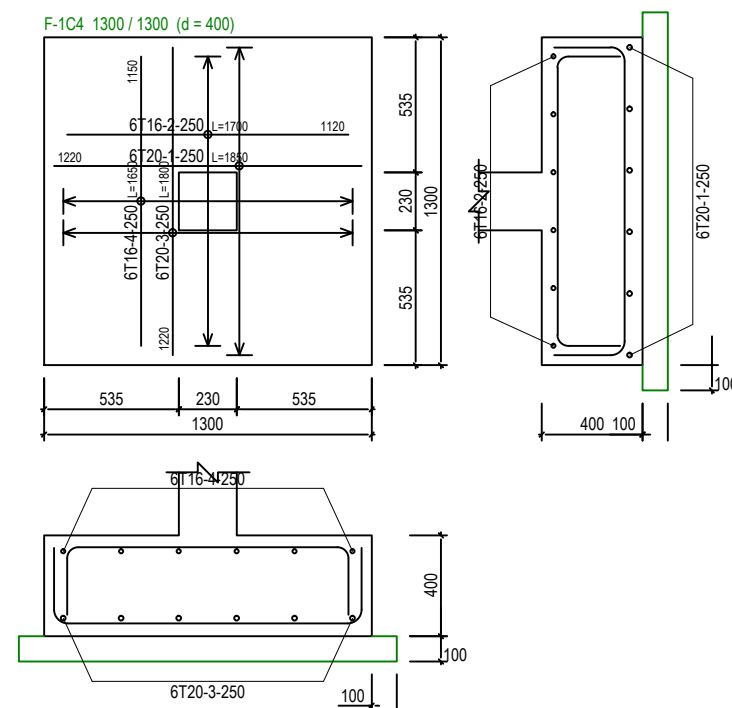
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SHEET NO:

DRAWING NO:
SBC/Q366/AFLQ/10P/RC/CS-102C

REV:

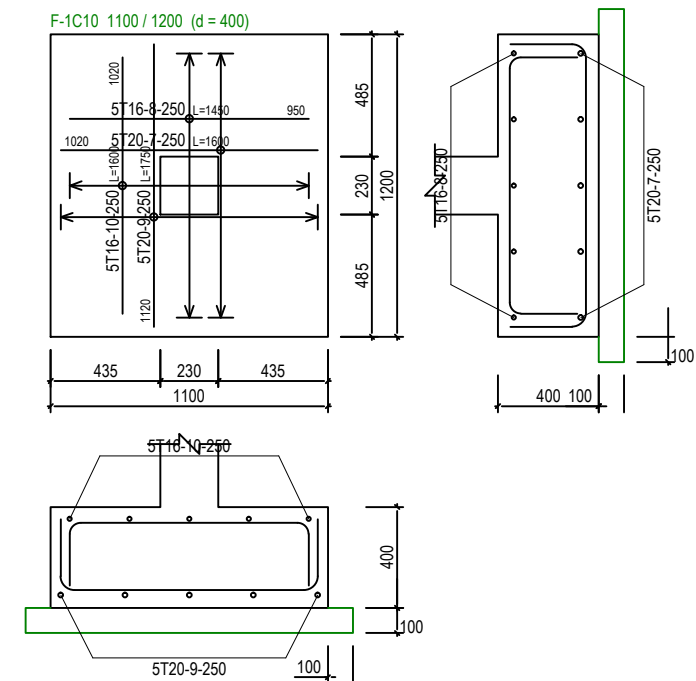
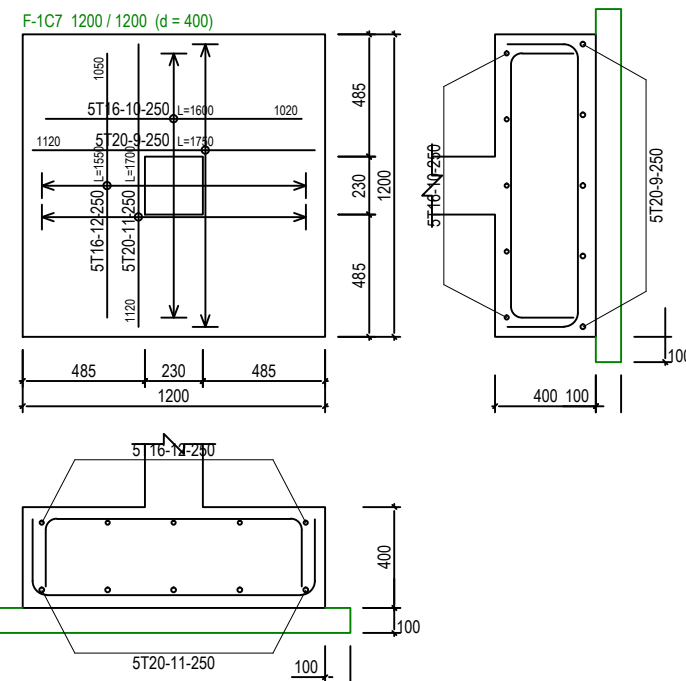
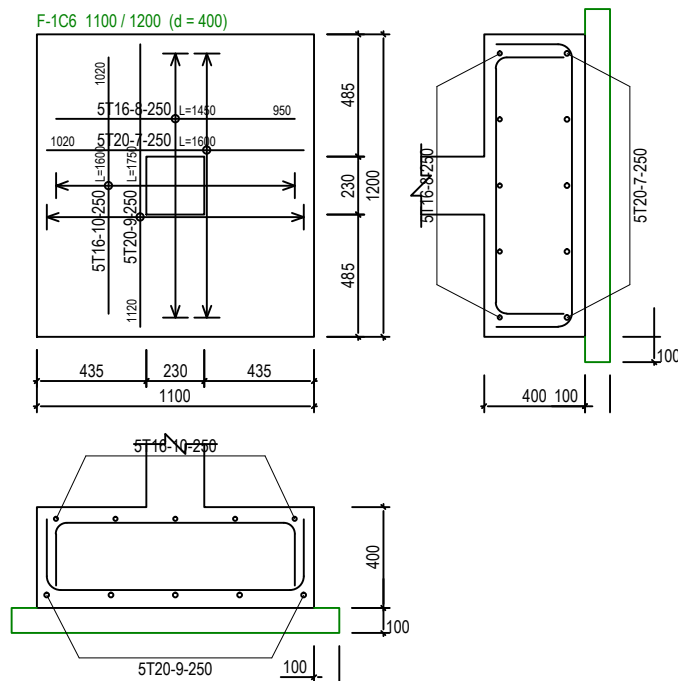
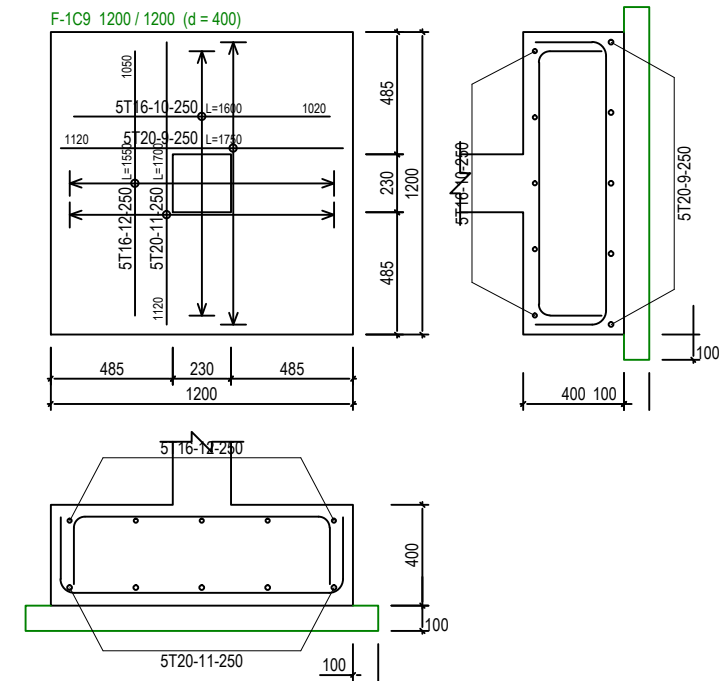
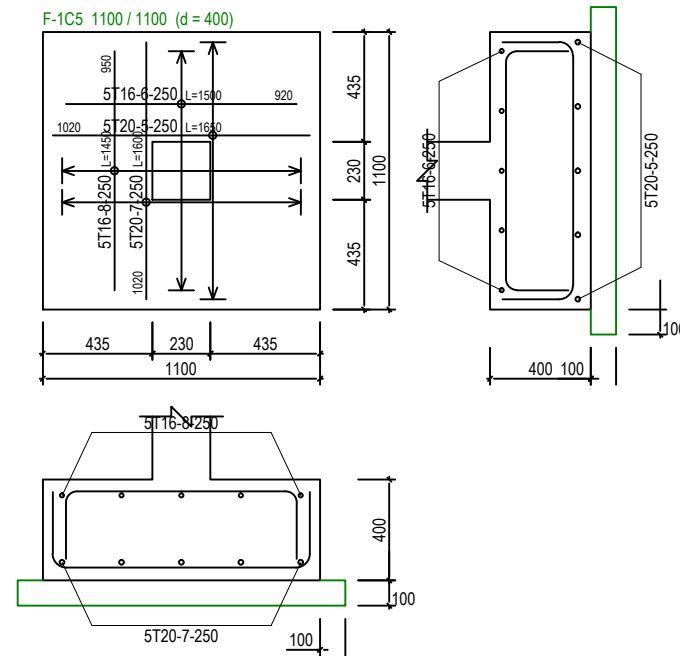
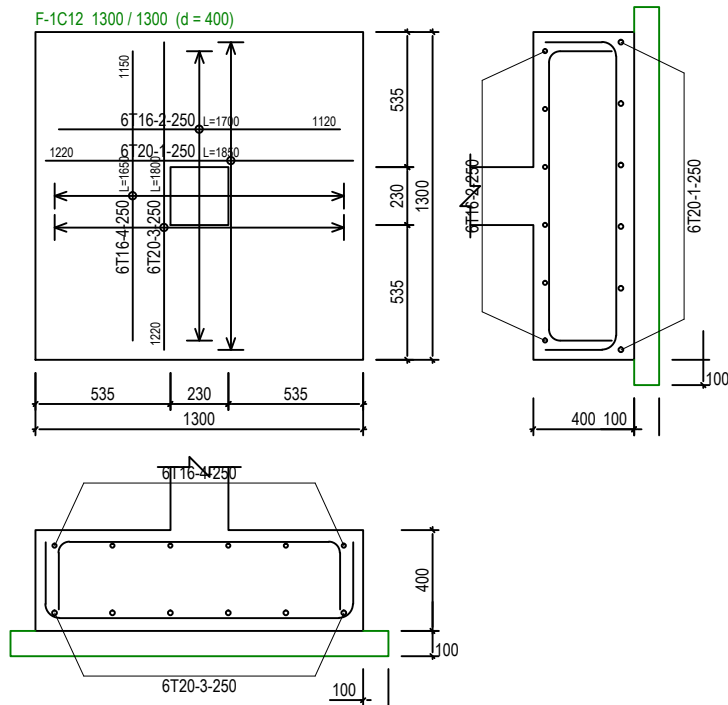




PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 200 KN/m²]
SCALE 1:30



 SERI BUMI CONSULTANT CIVIL & STRUCTURAL ENGINEERING CONSULTANT No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG 21, JALAN GADONG, BSB, BRUNEI DARUSSALAM TEL: 673-2427275 FAX: 673-2427279 E-MAIL: sbc.brunei@gmail.com	CLIENT:					DESIGNED BY	THAN ZAW TUN		SCALE: 1:30	TITLE: PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 200KN/m ²]	JOB NO:	
						DRAWN BY	SAI			SHEET NO:		
						CHECKED BY	MD. YUNUS			PROJECT:		
						APPROVED BY		DATE		PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)	DRAWING NO:	REV:
								13/09/2022			SBC/Q366/AF/LQ/10P/RC/CS-103A	
	NO.	AMENDMENTS		BY	DATE							



PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 200 KN/m²]

SCALE 1:30



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
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21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

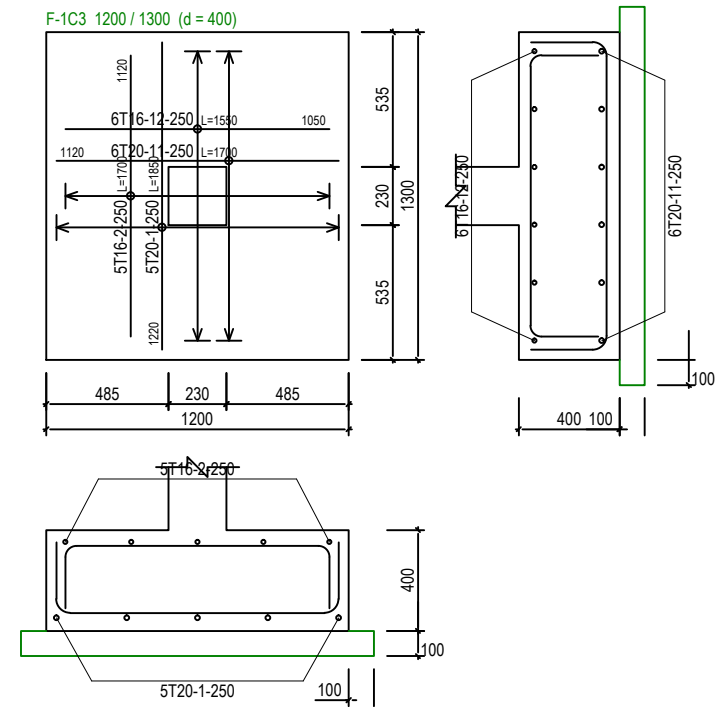
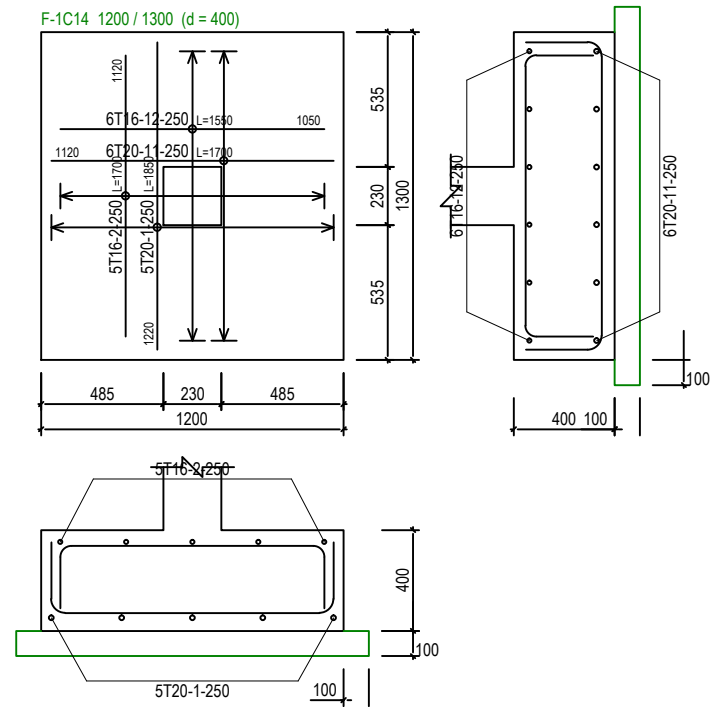
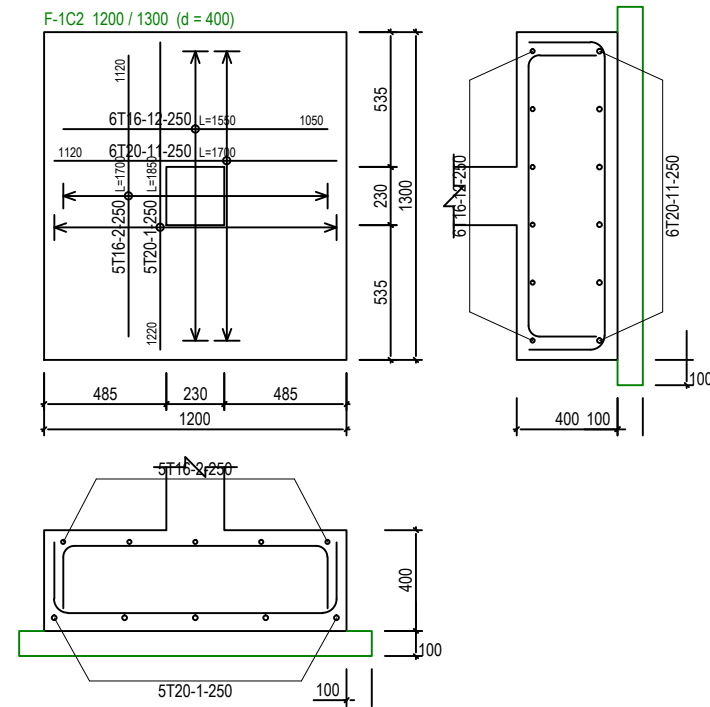
NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	DATE 13/09/2022

SCALE:
1:30

TITLE:
PAD FOOTING DETAILS - 2
[ALLOWABLE STRESS OF SOIL 200KN/m²]
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/RC/CS-103B
REV:	



PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 200 KN/m²] SCALE 1:30



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 CIVIL & STRUCTURAL ENGINEERING CONSULTANT
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 21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
 TEL: 673-2427275 FAX: 673-2427279
 E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	13/09/2022

SCALE:
1:30

TITLE: PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 200KN/m ²]
PROJECT: PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/RC/CS-103C
REV:	

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St: 1 (+1.00m)	AS BELOW	AS BELOW	AS BELOW	AS BELOW	AS BELOW	
	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125	(230x230) 4T16 Link:T8-175
	1C1,2C1	1C2,2C2	1C3,2C3	1C4,2C4	1C5,2C5	1C6

St: 2 (+4.00m)	B1-2	B1-3	B1-4	B1-5	D-1	D-2
St: 1 (+1.00m)					AS BELOW	AS BELOW
	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125	(230x230) 4T16 Link:T8-175	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125
	1C7	1C8	1C9	1C10	1C11,2C11	1C12,2C12

St: 2 (+4.00m)	D-3	D-4	D-5
St: 1 (+1.00m)	AS BELOW	AS BELOW	AS BELOW
	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125	(230x230) 4T12 Link:T8-125
	1C13,2C13	1C14,2C14	1C15,2C15



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CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY

THAN ZAW TUN

DRAWN BY

SAI

CHECKED BY

MD. YUNUS

APPROVED BY

DATE

13/09/2022

SCALE:

N.T.S

TITLE:

COLUMN SCHEDULE

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:

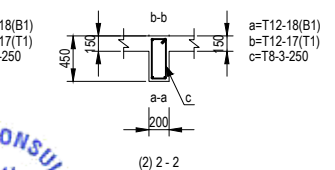
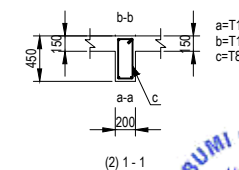
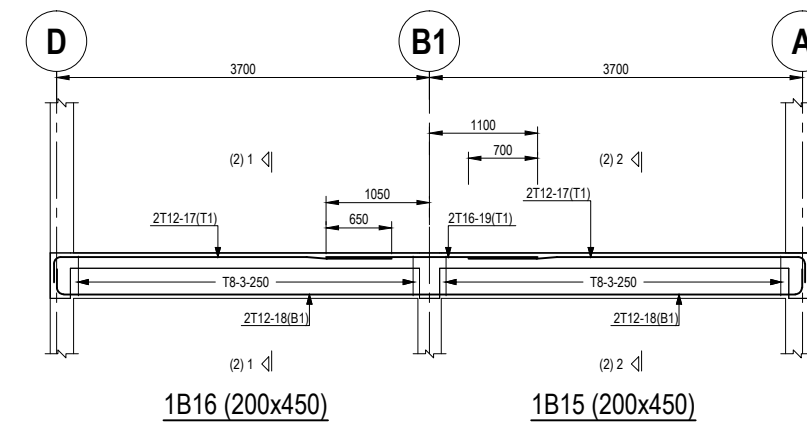
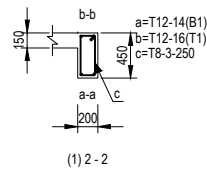
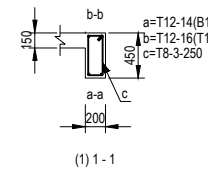
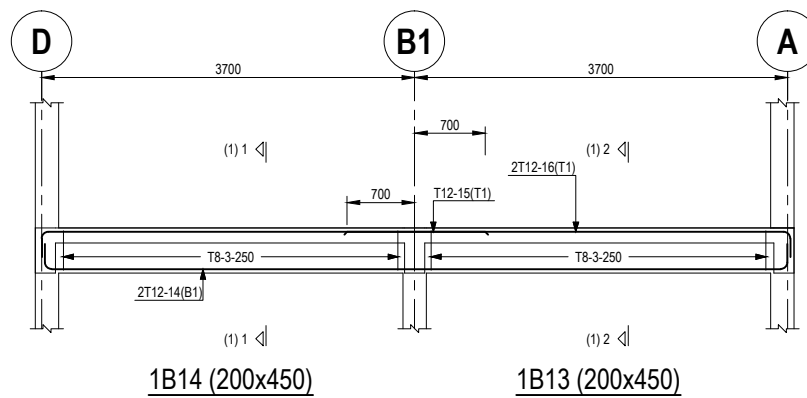
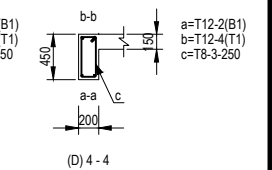
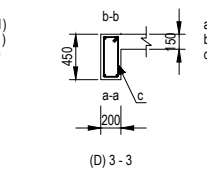
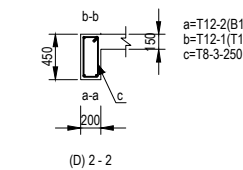
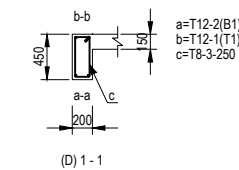
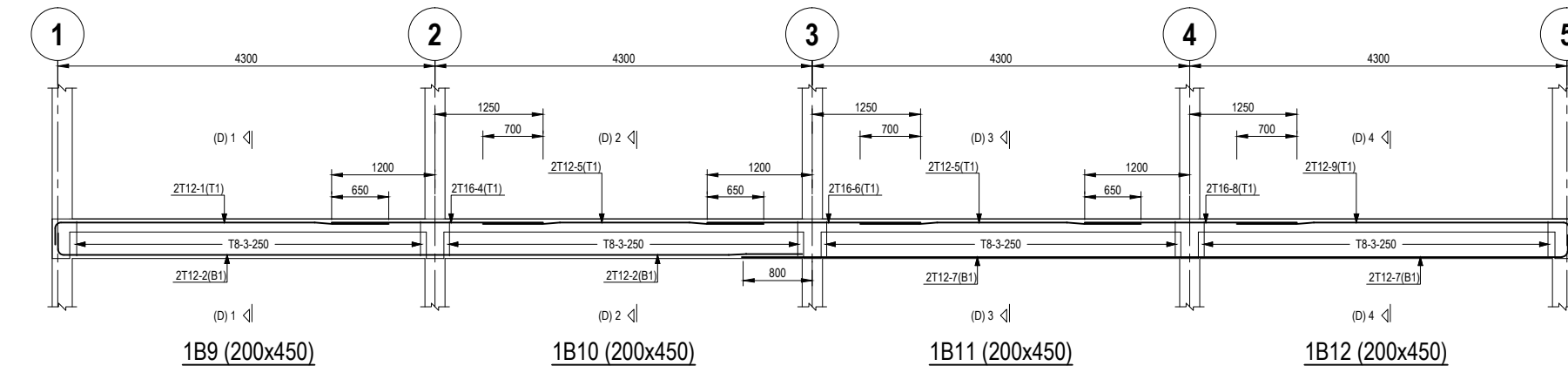
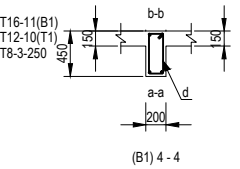
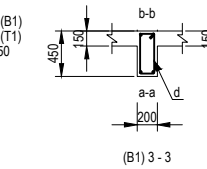
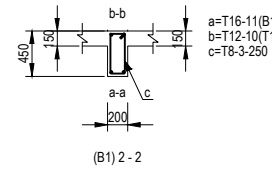
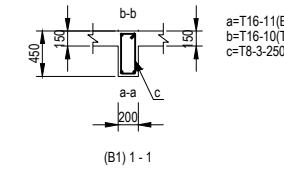
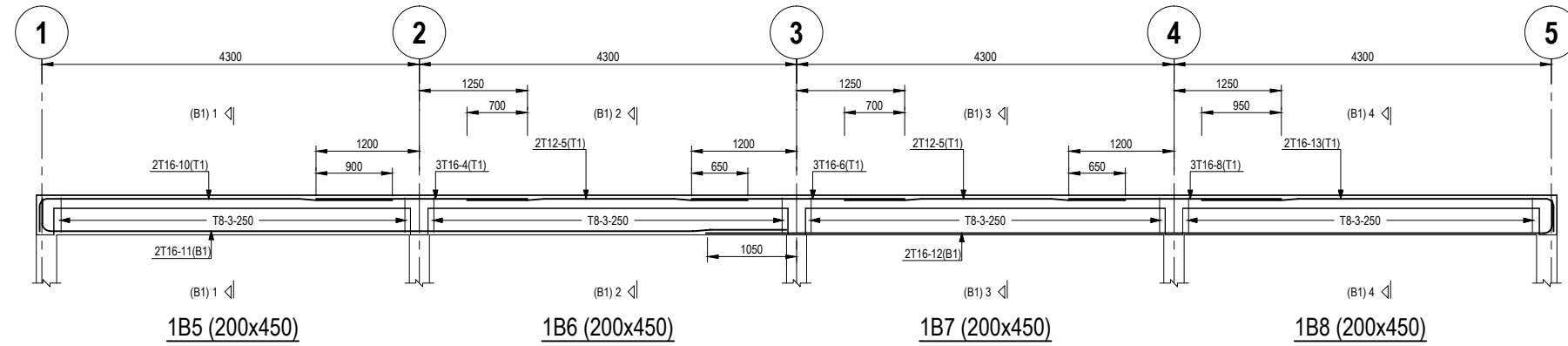
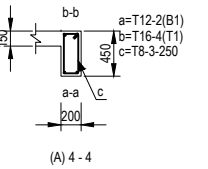
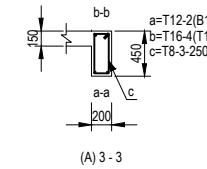
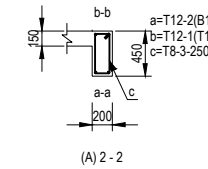
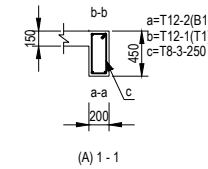
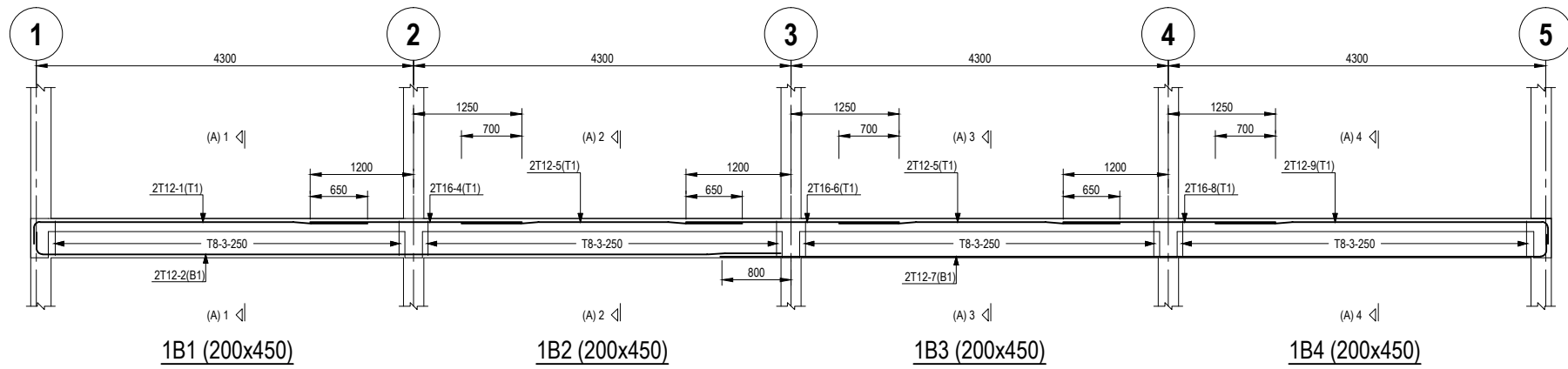
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DRAWING NO:

SBC/Q366/AFLQ/10P/RC/CS - 101

REV:





SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	13/09/2022

SCALE:

1:75

TITLE:

GROUND FLOOR BEAM DETAILS - 1

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

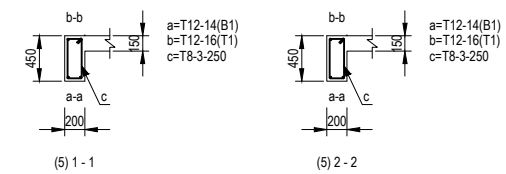
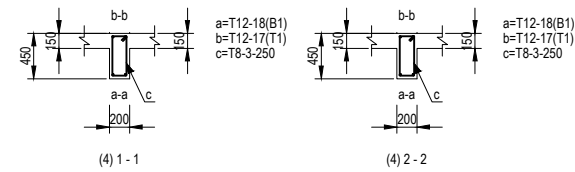
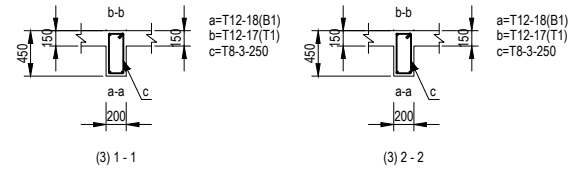
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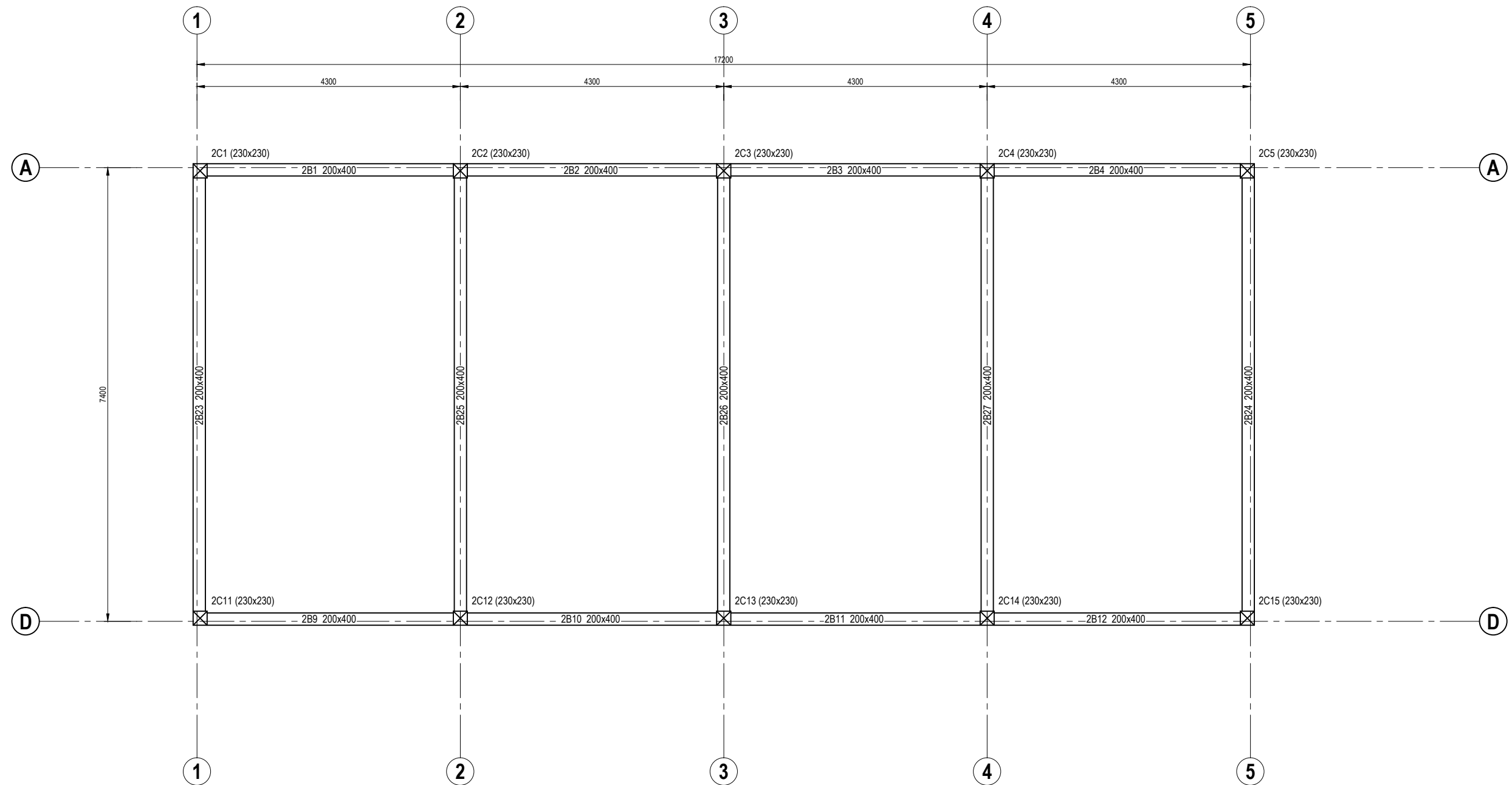
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DRAWING NO:

SBC/Q366/AFLQ/10P/RC/CS - 201

REV:





ROOF BEAM LAYOUT PLAN
SCALE 1 : 75



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
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CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY

THAN ZAW TUN

DRAWN BY

SAI

CHECKED BY

MD. YUNUS

APPROVED BY

DATE 13/09/2022

SCALE:

1:75

TITLE:

ROOF BEAM LAYOUT PLAN

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

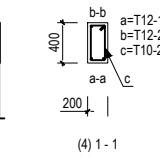
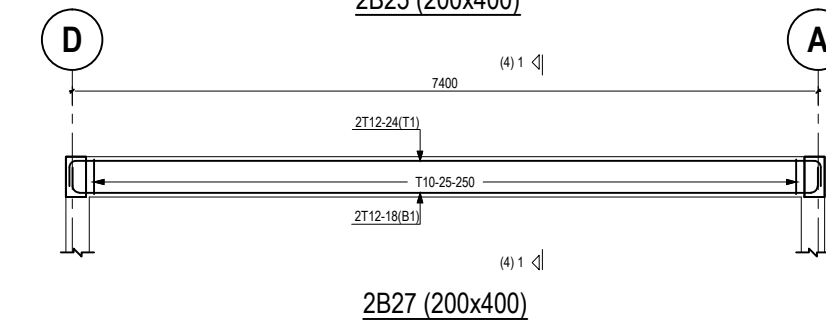
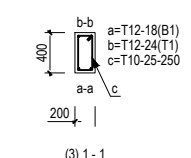
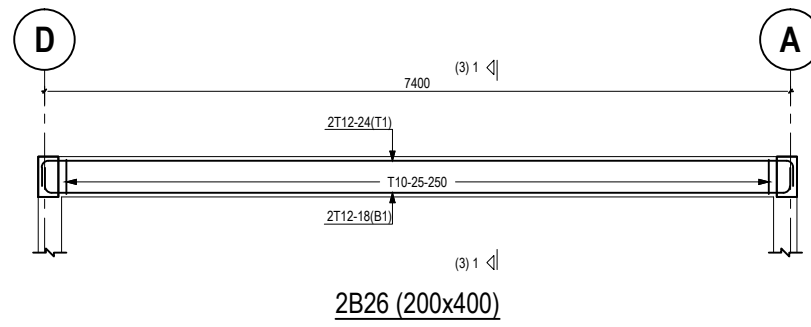
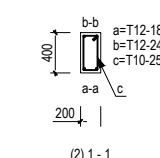
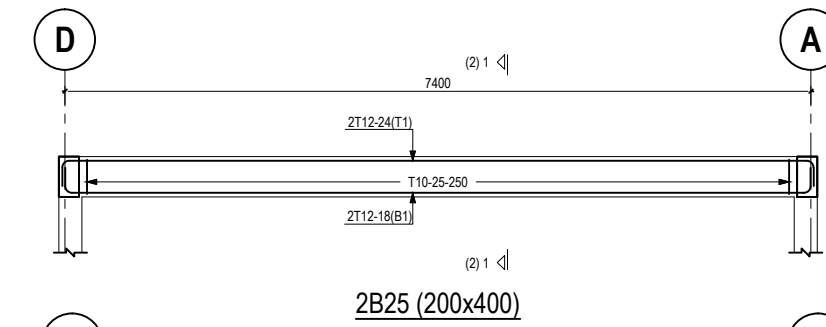
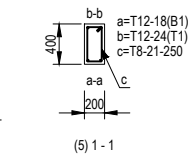
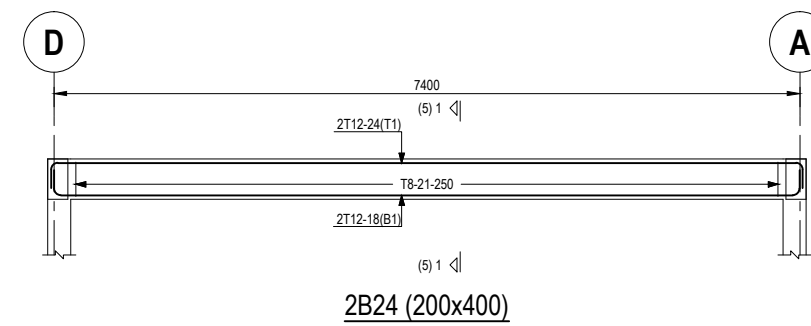
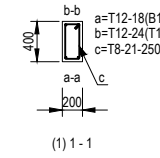
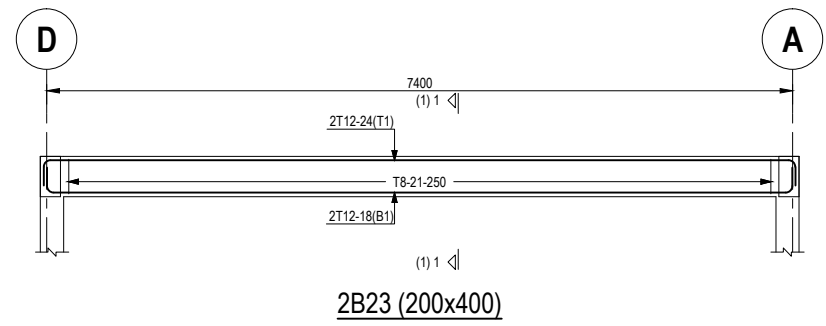
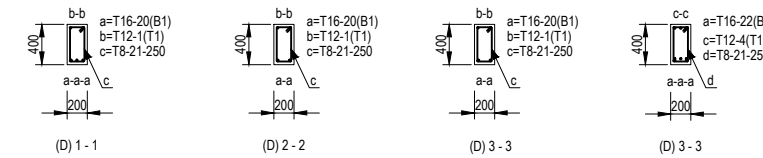
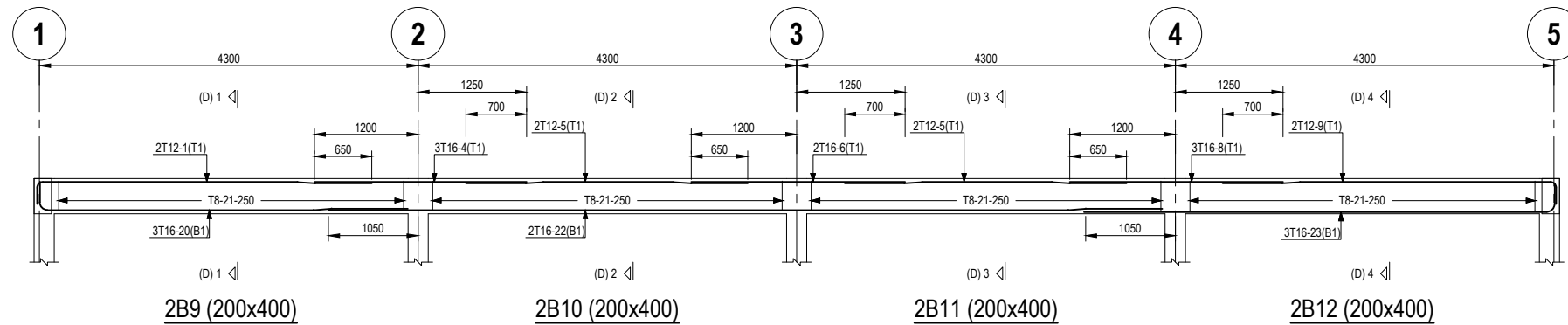
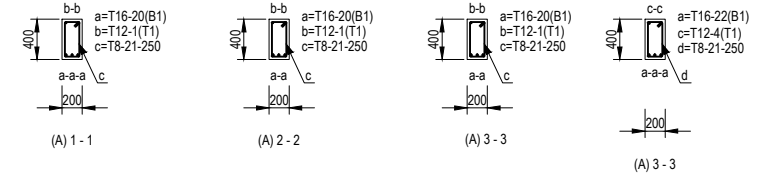
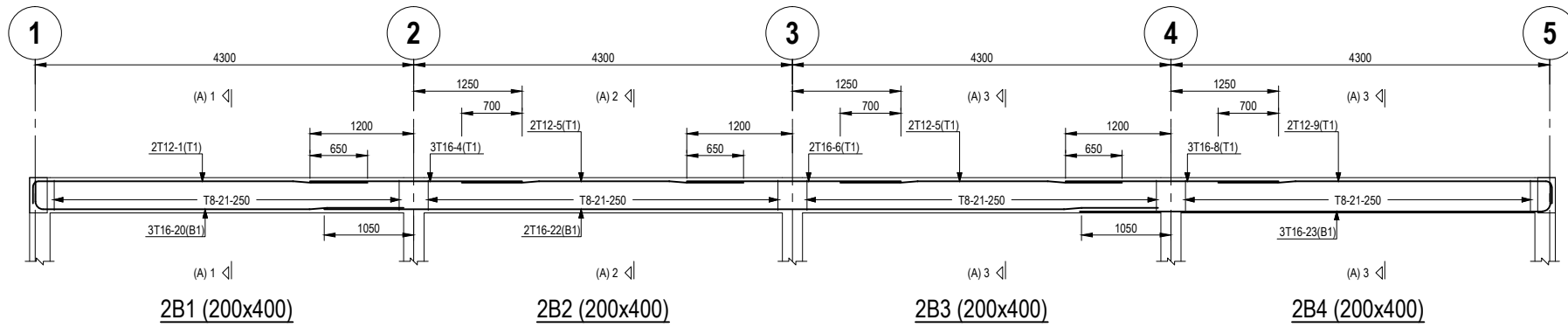
JOB NO:

SHEET NO:

DRAWING NO:

SBC/Q366/AFLQ/10P/RC/CS - 300

REV:



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT
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21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	

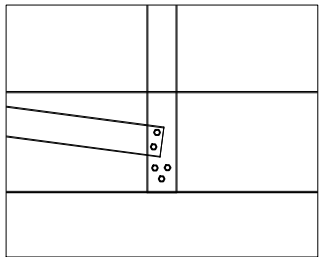
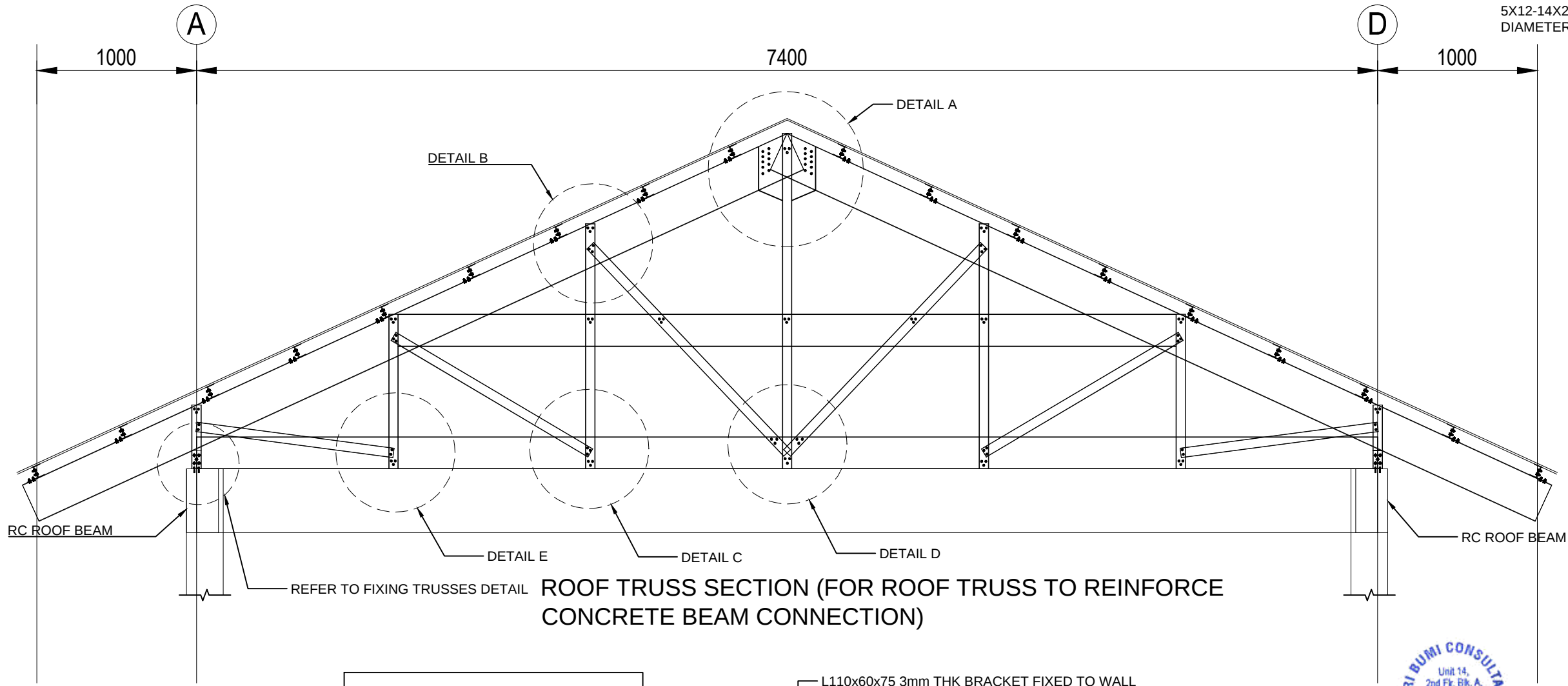
DATE
13/09/2022

SCALE:
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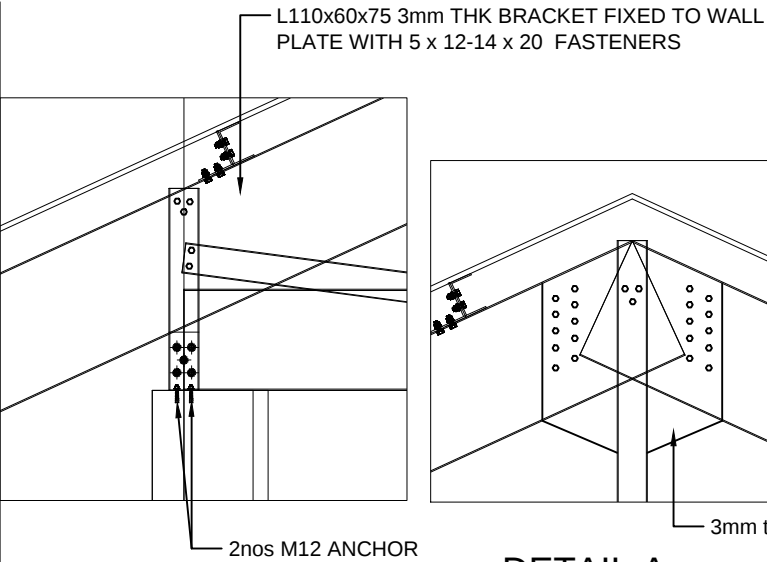
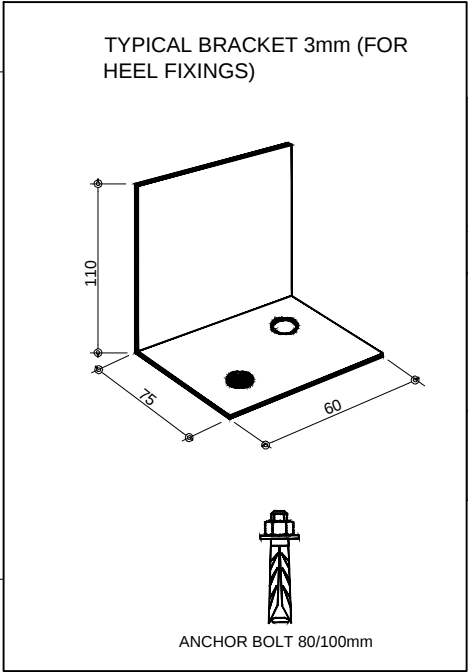
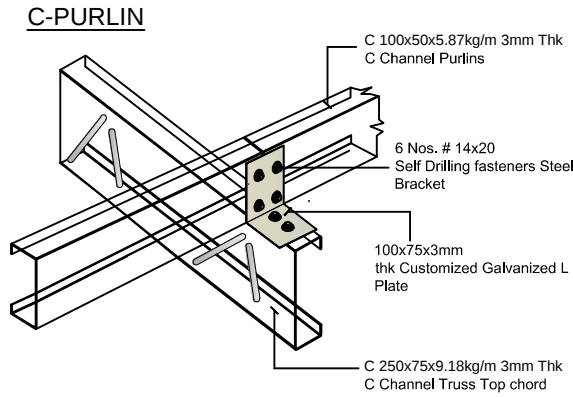
TITLE:
ROOF BEAM DETAIL
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/RC/CS - 301
REV:	

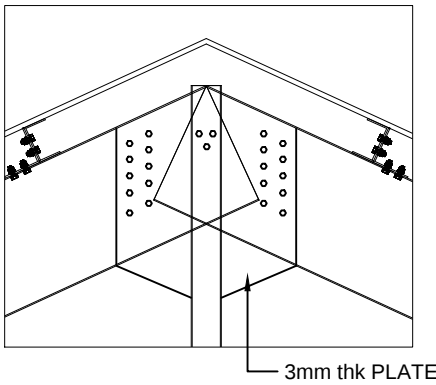
NOTE:
- ONLY SUITABLE AND APPROVED SCREWS BY APPOINTED SUPERVISION CONSULTANT TO BE USED FOR ROOF TRUSSES MEMBERS CONNECTION.
- EXAMPLE OF SCREW LABELLING FOR VARIOUS JOINTS
5X12-14X20 MEANS 5 NOS OF 12 TO 14MM DIAMETER OF 20MM LENGTH SCREW TYPE.



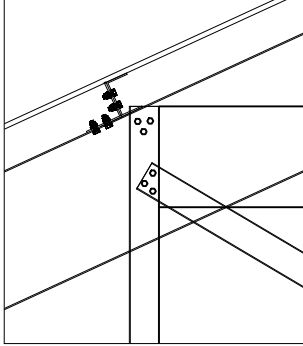
DETAIL E
5 x 12-14 x 20
SCREW



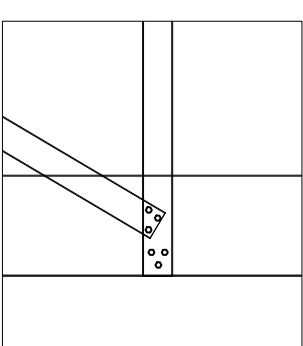
FIXING TRUSSES
(HEEL JOINT)



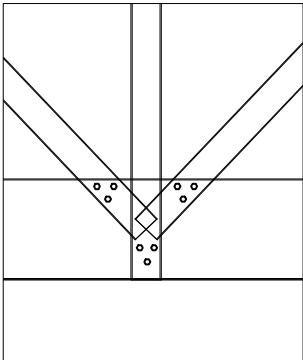
DETAIL A
23 x 12-14 x 20
SCREW



DETAIL B
6 x 12-14 x 20
SCREW



DETAIL C
6 x 12-14 x 20
SCREW



DETAIL D
9 x 12-14 x 20
SCREW



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY
DRAWN BY
CHECKED BY
APPROVED BY

THAN ZAW TUN
SAI
MD. YUNUS

DATE
20/09/2022

SCALE:

N.T.S

TITLE:

ROOF TRUSSES AND PURLIN CONNECTIONS DETAILS
(FOR ROOF TRUSS TO REINFORCE CONCRETE CONNECTION)

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

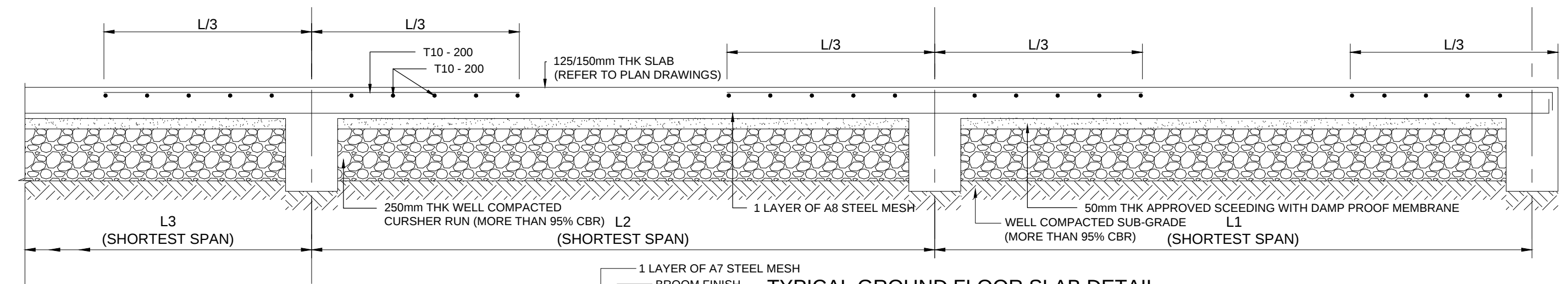
JOB NO:

SHEET NO:

DRAWING NO:

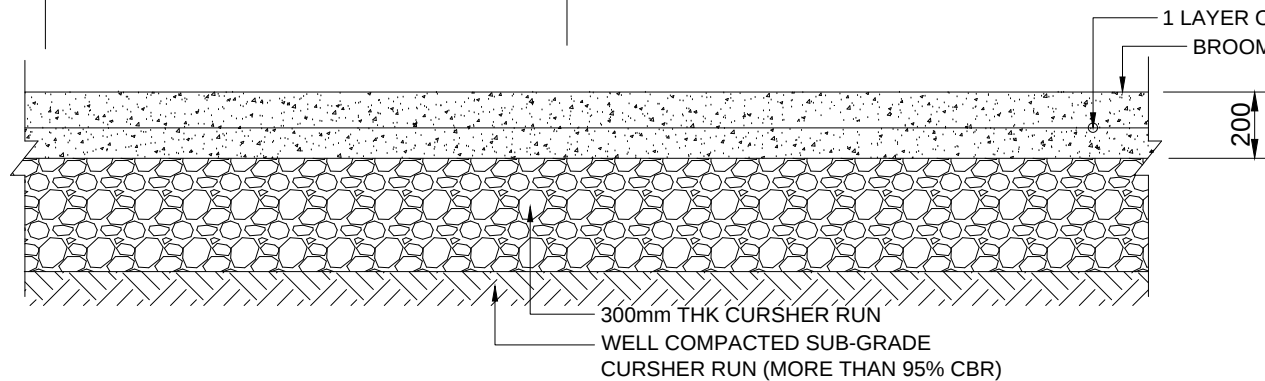
SBC/Q366/AFLQ/10P/RC/CS - 402

REV:



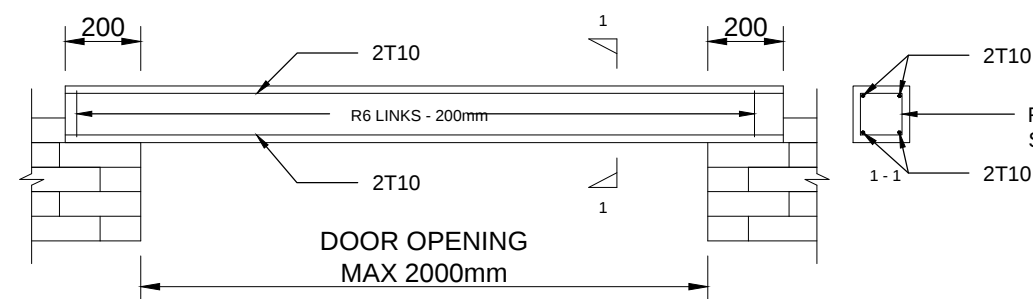
TYPICAL GROUND FLOOR SLAB DETAIL

SCALE 1 : 20



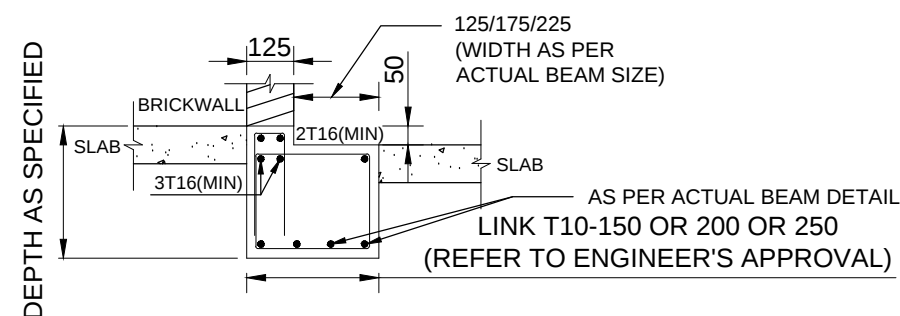
TYPICAL NON SUSPENDED SLAB DETAIL

SCALE 1 : 20

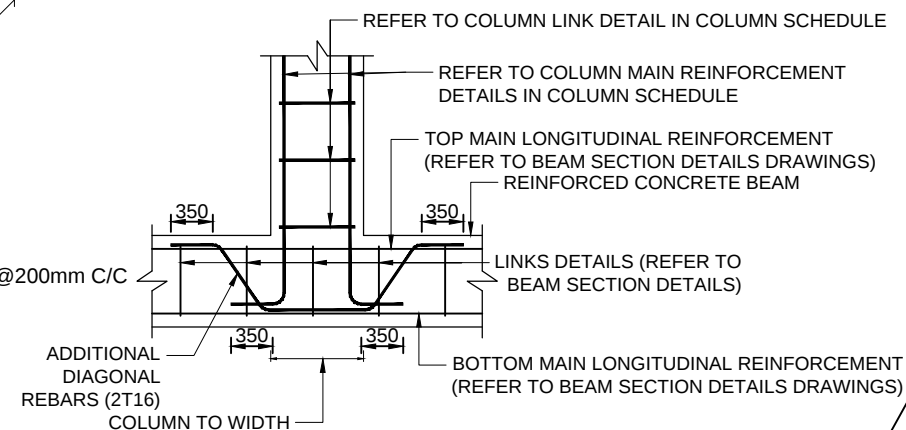


TYPICAL LINTEL BEAM DETAIL

SCALE 1 : 20

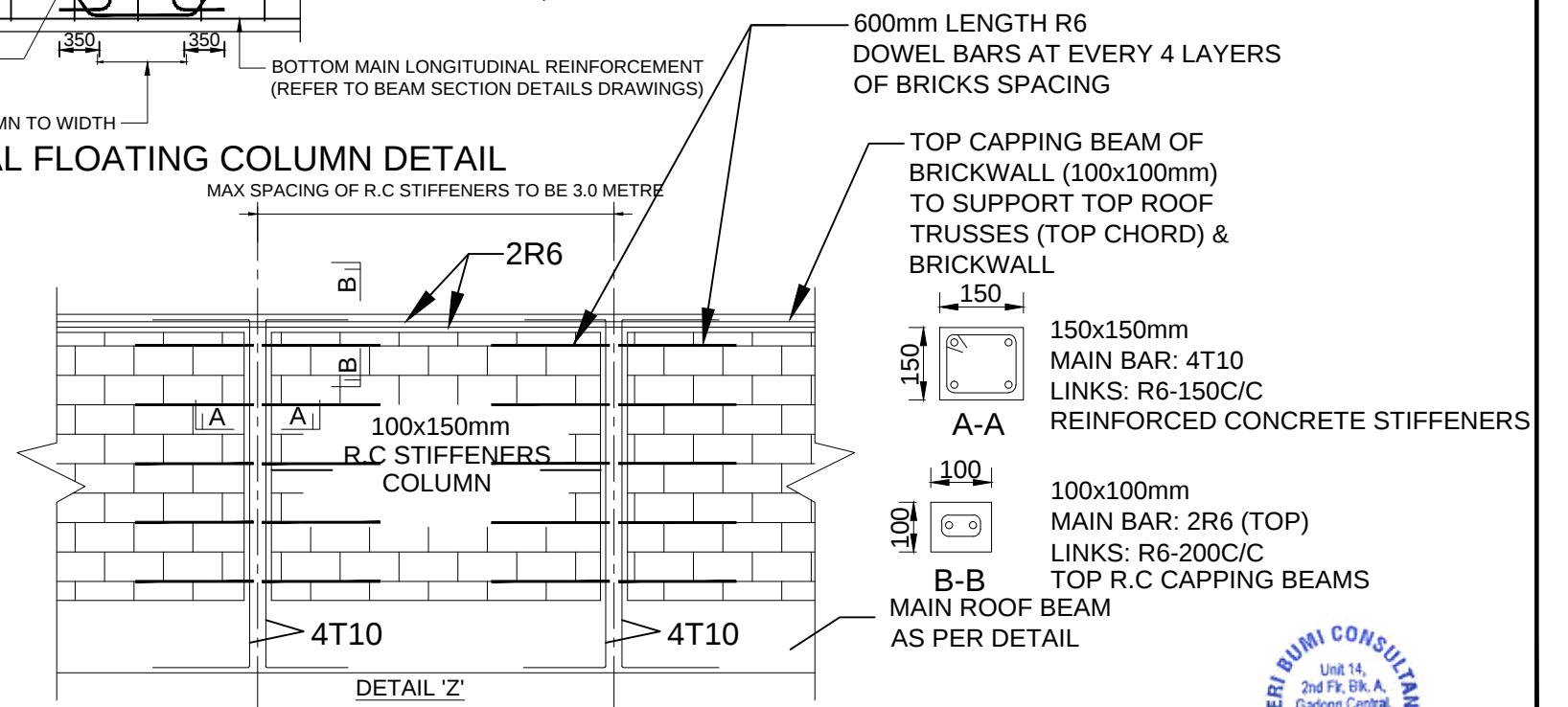


APPROXIMATE & TYPICAL BEAM DETAIL
FOR 50mm OR 100mm DROP WHICH NEEDS TO BE
ALIGNED/COORDINATED WITH ARCHITECT'S
DRAWINGS.



TYPICAL FLOATING COLUMN DETAIL

SCALE 1 : 20



TYPICAL REINFORCED CONCRETE STIFFENER
COLUMNS & CAPPING BEAMS DETAILS



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSS, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunel@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	02/09/2022

SCALE:

1:20

TITLE:

MISCELLANEOUS DETAILS 1

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

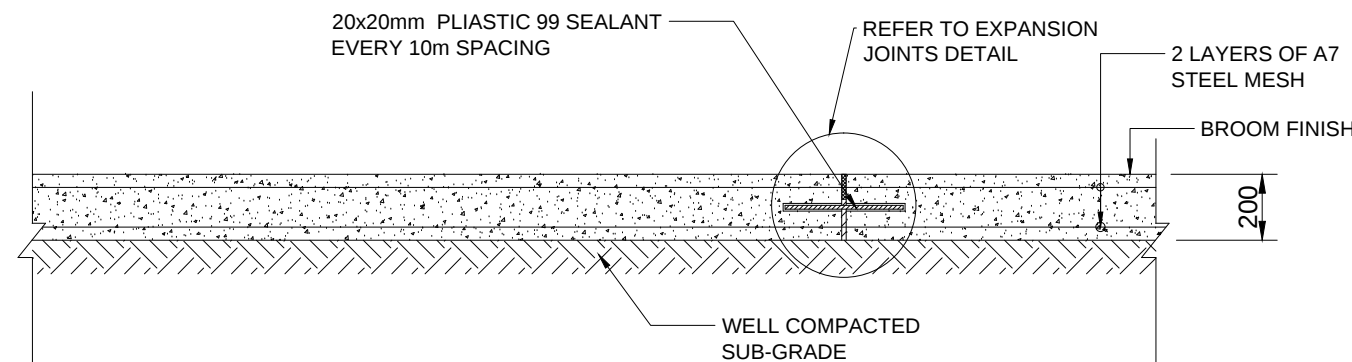
JOB NO:

SHEET NO:

DRAWING NO:

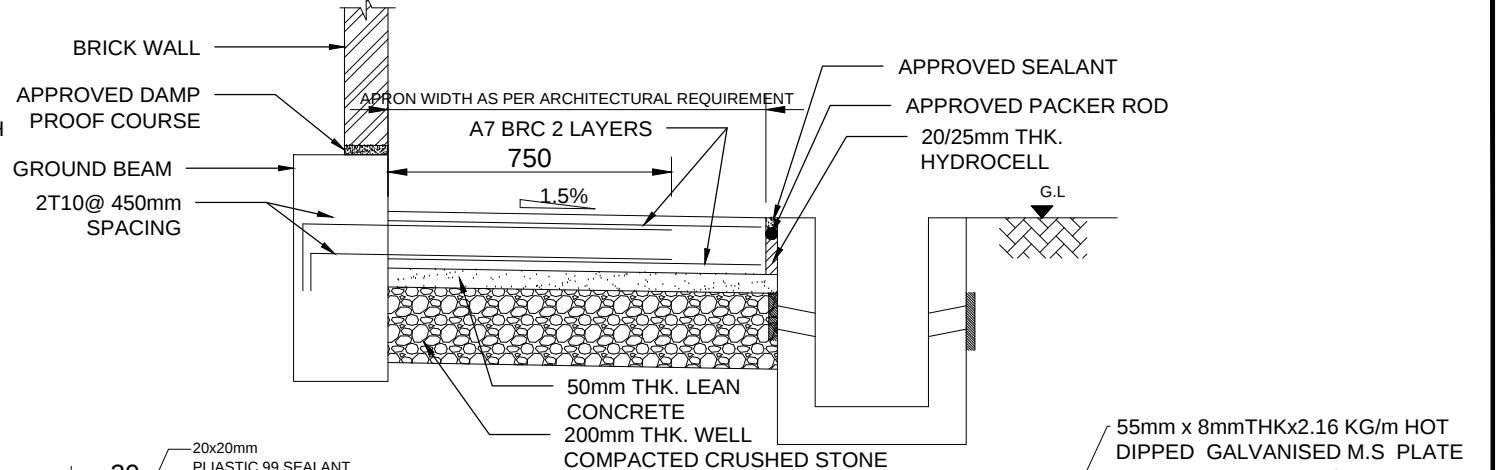
SBC/Q322/AFLQ/10P/RC/MISC-100

REV:



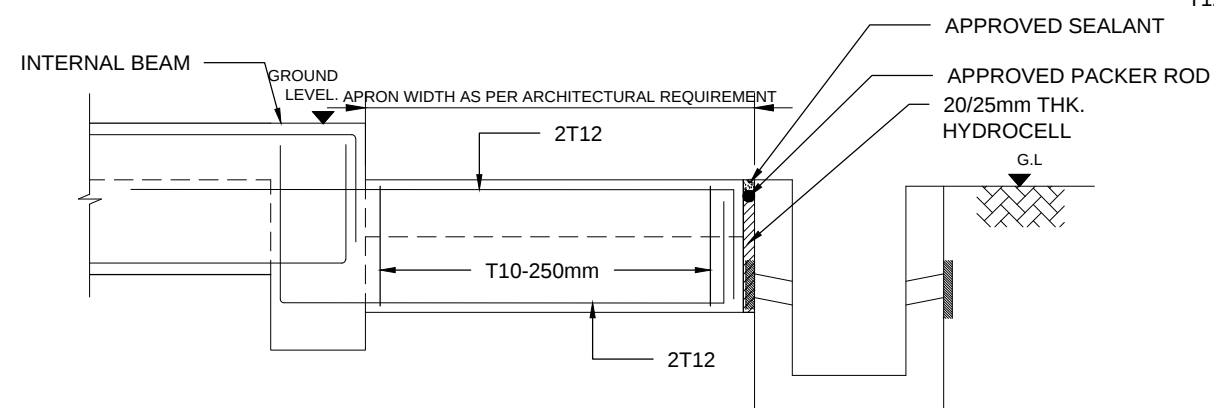
TYPICAL ACCESS ROAD DETAIL/CAR PARK SLAB DETAIL

SCALE 1 : 20



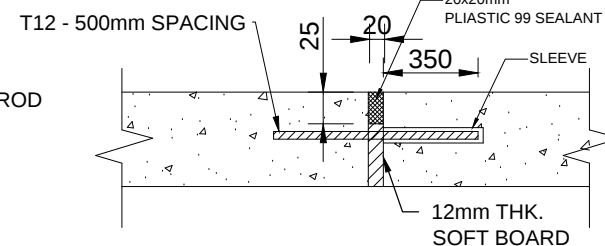
TYPICAL APRON SLAB DETAIL

SCALE 1 : 20



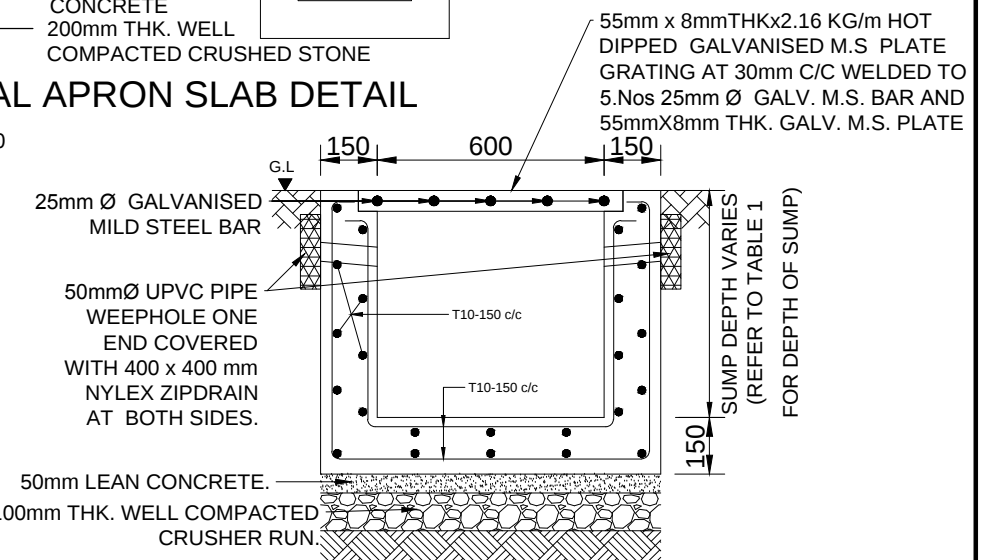
TYPICAL APRON BEAM DETAIL (200x450)

SCALE 1 : 20



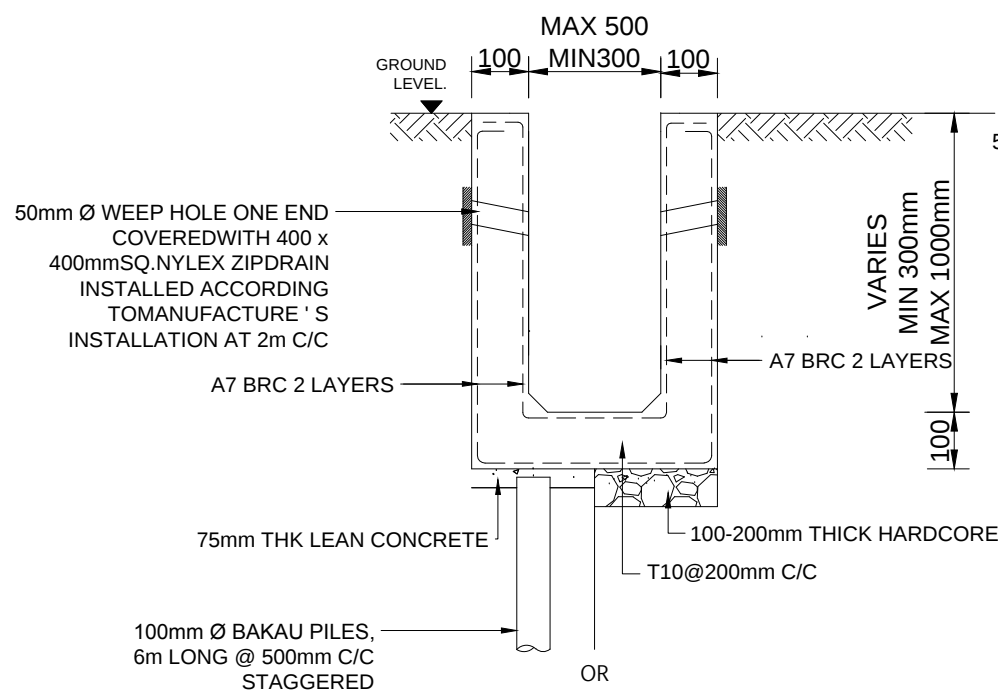
EXPANSION JOINTS DETAIL

SCALE 1 : 20



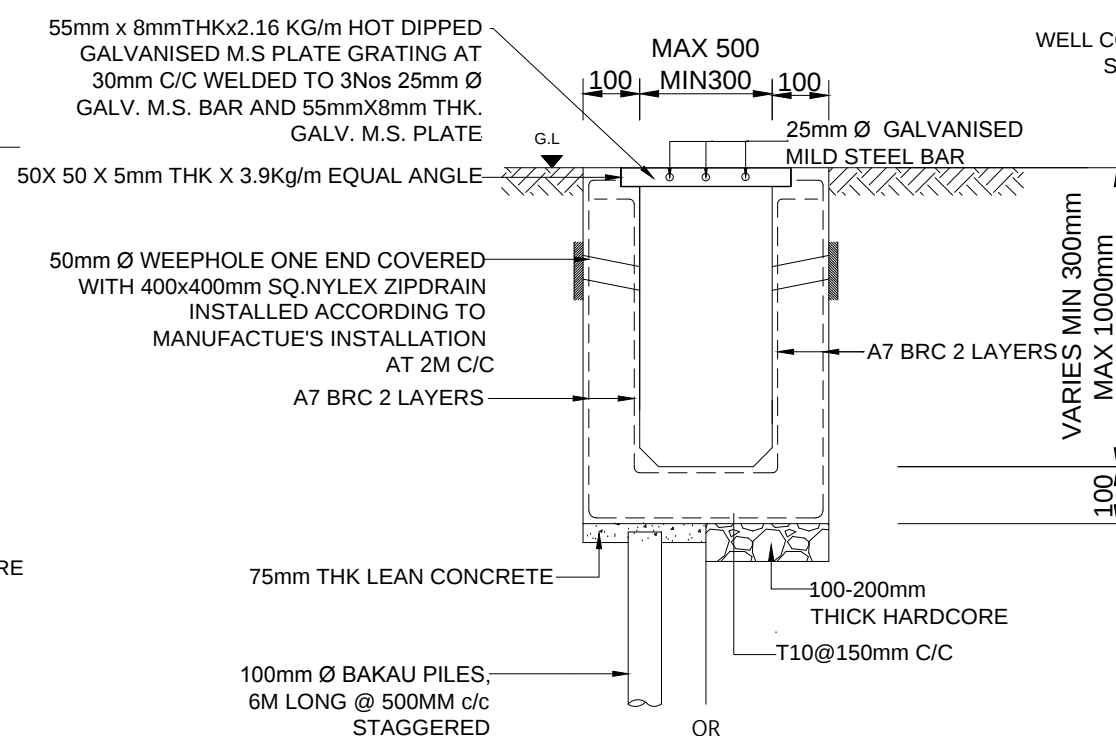
TYPICAL SECTION 'Z-Z'
600x600mm R.C SUMP DETAIL

SCALE 1 : 20



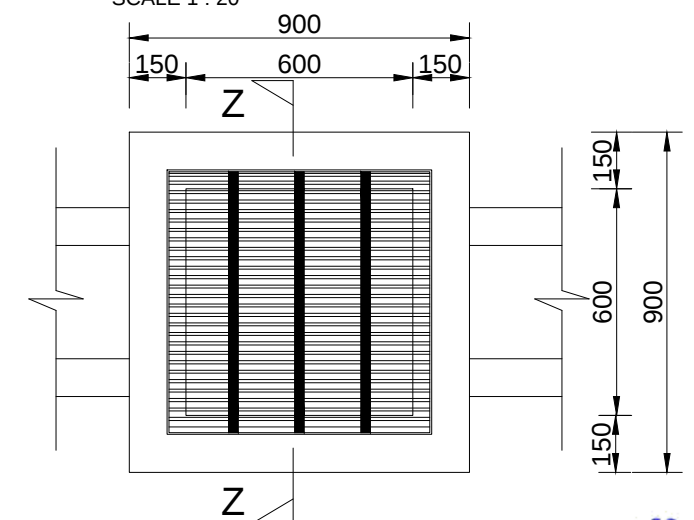
R.C DRAIN DETAIL

SCALE 1 : 20



R.C DRAIN WITH GRATING DETAIL

SCALE 1 : 20



R.C SUMP PLAN LAYOUT

SCALE 1 : 20



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, S.S. BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunel@gmail.com

CLIENT:

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	02/09/2022

SCALE:
1:20

TITLE:
MISCELLANEOUS DETAILS 2
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:
SHEET NO:
DRAWING NO:
SBC/Q322/AFLQ/10P/RC/MISC-101
REV:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

LIST OF DRAWINGS

	DESCRIPTIONS	DRAWING NO.	REVISION NO.	REMARKS
1	LIST OF DRAWINGS	SBC/Q366/AFLQ/10P/ST/L - 100	2	
2	GENERAL NOTES	SBC/Q366/AFLQ/10P/ST/G-100		
3	150x150mm R.C PRECAST PILE FOUNDATION LAYOUT PLAN	SBC/Q366/AFLQ/10P/ST/CS-100		
4	PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 100 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-101		
5	PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 100 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-101A		
6	PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 100 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-101B		
7	PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 100 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-101C		
8	PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 150 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-102		
9	PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 150 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-102A		
10	PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 150 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-102B		
11	PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 150 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-102C		
12	PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 200 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-103		
13	PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 200 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-103A		
14	PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 200 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-103B		
15	PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 200 kN/m ²]	SBC/Q366/AFLQ/10P/ST/CS-103C		
16	COLUMN SCHEDULE - 1	SBC/Q366/AFLQ/10P/ST/CS-104		
17	COLUMN SCHEDULE - 2	SBC/Q366/AFLQ/10P/ST/CS-105		
18	GROUND FLOOR BEAM LAYOUT PLAN	SBC/Q366/AFLQ/10P/ST/CS-200		
19	GROUND FLOOR BEAM DETAILS - 1	SBC/Q366/AFLQ/10P/ST/CS-201		
20	GROUND FLOOR BEAM DETAILS - 2	SBC/Q366/AFLQ/10P/ST/CS-202		
21	ROOF BEAM LAYOUT PLAN AND STEEL SECTION DETAILS	SBC/Q366/AFLQ/10P/ST/CS-300		
22	ROOF TRUSSES LAYOUT PLAN	SBC/Q366/AFLQ/10P/ST/CS-400		
23	ROOF TRUSSES SECTION (FOR ROOF TRUSS TO REINFORCE CONCRETE BEAM CONNECTION)	SBC/Q366/AFLQ/10P/ST/CS-401		
24	ROOF TRUSSES AND PURLIN CONNECTIONS DETAILS (FOR ROOF TRUSS TO REINFORCE CONCRETE CONNECTION)	SBC/Q366/AFLQ/10P/ST/CS-402		
25	MISCELLANEOUS DETAILS - 1	SBC/Q366/AFLQ/10P/ST/MISC-100		
26	MISCELLANEOUS DETAILS - 2	SBC/Q366/AFLQ/10P/ST/MISC-101		



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
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APPROVED BY	
DATE	20/09/2022

SCALE:
N.T.S

TITLE:
LIST OF DRAWINGS
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/ST/L - 100
REV:	2

1. GENERAL

1.1 SETTING OUT:

ALL DIMENSIONS MEASURED ON SITE SHALL BE CHECKED AND CONFIRMED WITH RELEVANT ARCHITECTURAL, M&E, CIVIL AND STRUCTURAL DRAWINGS.

1.2 ANY DISCREPANCIES BETWEEN ARCHITECTURAL, C&S AND M&E DRAWINGS SHALL BE REFERRED TO PROJECT ARCHITECT OR STRUCTURAL ENGINEER OR M&E.

1.3 PLEASE NOTE THAT THE ARCHITECTURAL DRAWINGS GRID LINE AND STRUCTURAL DRAWINGS GRID LINES HAVE BEEN PURPOSELY OFF-SET TO EASE CONSTRUCTION ON STRUCTURAL MEMBERS.

2. STANDARDS & CODE OF PRACTICE

- 2.1 BS 8110 : 1985 STRUCTURAL USE OF CONCRETE
2.2 PBD 12 : 2008 BUILDING GUIDELINES AND REQUIREMENTS
2.3 BS 4449 : 1978 HOT ROLLED STEEL BARS FOR THE REINFORCEMENT OF CONCRETE

3. CONCRETE

3.1 CONCRETE STRENGTH :- 25 N/mm² (GRADE 25) UNLESS OTHERWISE STATED

LEAN CONCRETE	- 15 N/mm ²
PILE CAP	- 25 N/mm ²
COLUMN	- 25 N/mm ²
SLAB	- 25 N/mm ²
BEAM	- 25 N/mm ²

3.2 CONCRETE COVER TO ALL REINFORCEMENT INCLUDING LINKS SHALL MEET THE 2-HOUR FIRE RATING & AS STATED BELOW (UNLESS OTHERWISE STATED)

COLUMNS	: 30mm
BEAMS	: 30mm
PILE CAPS	: 75mm
SLABS	: 20mm

3.3 CONCRETE CURING : TO BE CARRIED OUT BY SPRAYING WITH WATER AND COVERING WITH EITHER GUNI SACKS OR PLASTIC SHEETS.

3.4 ANY COLD JOINTS AND HACKED CONCRETE SURFACE SHALL BE APPLIED WITH APPROVED BONDING AGENT BEFORE POURING NEW CONCRETE.

3.5 50mm (MINIMUM) THICK BLINDING LEAN CONCRETE SHALL BE PROVIDED BENEATH FOOTINGS, GROUND BEAMS AND ALL GROUND FLOOR SLABS SOFFIT.

4. STEEL REINFORCEMENT

- 4.1 THE MINIMUM YIELD STRENGTH OF STEEL REINFORCEMENT (WITH DENOTATION "T")FOR HIGH TENSILE DEFORMED BAR(TYPE 2 - 460 N/mm², STEEL FABRIC - 485 N/mm² (UNLESS OTHERWISE STATED.
4.2 THE MINIMUM YIELD STRENGTH OF STEEL REINFORCEMENT (WITH DENOTATION "R")SHALL BE 250N/mm².

5. ALL WATER RETAINING STRUCTURE OR WET AREAS SHALL BE APPLIED WITH APPROVED WATER PROOFING SYSTEM.

6. IF REQUIRED R.C LINTEL BEAM OF SIZES 150 X 200 REINFORCED WITH 2T12 (T&B) & R6 -150 LINKS SHALL BE PROVIDED TO ALL DOORS AND WINDOWS. STIFFENER, COLUMN SIZES 150X150 TO 200X200 REINFORCED WITH 4T12 & T10-150 LINKS SHALL BE PROVIDED IF REQUIRED.(FOR EG. ON WALL OF MORE THAN 3.5m IN HORIZONTAL LENGTH OR VERTICAL HEIGHT)

7. INCORPORATING OF M & E REQUIREMENTS IN STRUCTURAL DRAWINGS: THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS INCORPORATING ALL M & E REQUIREMENTS, OPENINGS ETC INTO THE STRUCTURAL DRAWINGS AND OBTAIN THE PROJECT STRUCTURAL ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY FORM OF PERMANENT CONSTRUCTION WORKS. THE CONTRACTOR SHALL RESOLVE ALL DISCREPANCIES WITH ENGINEERS REGARDING M & E WORKS PRIOR TO CONCRETING.

8. NOTES FOR COMPACTION WORKS OF SUB-BASE AND SUB-GRADE.

1. ALL SUB-GRADE AND SUB-BASE LAYING WORKS SHALL BE WELL COMPACTED TO OVER 95% CBR.
2. MINIMUM OF FOUR NUMBER OF DRY FIELD DENSITY TESTS AND CBR TESTS SHALL BE CONDUCTED ON COMPACTED SUBGRADES AND SUB-BASE BEFORE CARRYING OUT ANY PERMANENT WORKS SUCH AS CONCRETING OF ACCESS ROAD, GARAGE NON-SUSPENDED FLOOR SLABS & HARD STANDINGS, ETC. THE TESTS RESULTS SHALL BE SUBMITTED TO CIVIL AND STRUCTURAL CONSULTANT ENGINEER FOR REVIEW AND APPROVAL TO PROCEED WITH PERMANENT WORKS (IF APPLICABLE BASIS ONLY).

9.REMOVAL OF FORMWORK

A) THE TIME FOR THE REMOVAL OF FORMWORKS IS TO BE SUBJECTED TO ENGINEER'S APPROVAL, BUT THE FOLLOWING MAY BE TAKEN AS A GUIDE TO MINIMUM TIMES APPLICABLE UNDER NORMAL CIRCUMSTANCES:

SIDE OF COLUMNS/PIERS,WALLS AND BEAMS	3 DAYS
SOFFIT OF SLABS (PROPS LEFT UNDER)	14 DAYS
PROPS OF SLABS	28 DAYS
SOFFIT OF BEAMS (PROPS LEFT UNDER)	14 DAYS
PROPS TO SOFFIT OF BEAMS	28 DAYS

- B) SHUTTERING AND CENTERING SHALL BE REMOVED BY GRADUAL EASING WITHOUT JARRING, AND ONLY IN THE PRESENCE OF A COMPETENT SUPERVISER. BEFORE REMOVAL OF THE SHUTTERING, THE CONCRETE SHALL BE EXAMINED, AND REMOVAL SHALL PROCEED ONLY IF THE CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO SUPPORT ITS OWN WEIGHT AND ANYCONSTRUCTIONAL OR OTHER LOADS LIKELY TO COME UPON IT. IF ANY LOADING IN EXCESS OF THE DESIGN LOAD IS ANTICIPATED, APPROVED PROPS SHALL BE PROVIDED AFTER REMOVAL OF SHUTTERING.
C) TO ENSURE THAT THE CONSTRUCTIONAL LOADS OF A FLOOR ARE SHARED BY AT LEAST TWO FLOORS BELOW IT, THE PROPS TO THE BEAMS AND SLABS OF A FLOOR SHALL NOT BE REMOVED UNTIL THE FLOOR ABOVE THE FLOOR IN QUESTION, IS STRONG ENOUGH TO SUPPORT ITSELF.

10. GENERAL NOTES FOR PILING WORKS

1. ALL PILES TO BE USED FOR THIS PROJECT SHALL BE OF BRUNEI DARUSSALAM MINISTRY OF DEVELOPMENT'S APPROVED TYPES AND BRAND NAMES OR AS PER S.O.'S APPROVAL.
2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL, BEFORE ANY PILING WORK IS STARTED, DETAILS OF :-
- PILE DRIVER INCLUDING SIZE OF HAMMER AND DROP.
- CONTRACTOR'S CALCULATIONS OF SETS, CALCULATED USING THE HILEY FORMULA.
- PROPOSED PROGRAM AND SEQUENCE OF PILE DRIVING INCLUDING TEST PILES.
3. NO PILING SHALL COMMENCE UNTIL THE SET VALUES SUBMITTED BY THE CONTRACTOR ARE APPROVED IN WRITING BY THE ENGINEER.
4. THE CALCULATED SETS SHALL ONLY BE USED AS A GUIDE FOR DRIVING AND THE SET SHALL BE CONFIRMED BY THE IN-SITU PILE TEST.
5. HOWEVER, PILE HYDRAULIC JACKING TO TWICE THE SAFE WORKING LOAD (MINIMUM) SHALL BE USED IF PILE HAMMERING ACTIVITIES CAUSES DISTURBANCES AND DISTRESS (EXCESSIVE VIBRATIONS) TO SURROUNDING BUILDINGS

11. GENERAL NOTES FOR R.C PILES

R.C PILES

1. ALL REINFORCED CONCRETE (R.C.) PRECAST PILES SHALL BE 150MM X 150MM REINFORCED CONCRETE PRECAST PILES OR AS PER SPECIFIED IN THE DRAWINGS.
2. CONCRETE GRADE SHALL BE GRADE 45 MINIMUM FOR NORMAL R.C. PRECAST PILES.
3. THE ALLOWABLE SAFE BEARING CAPACITY OF EACH R.C. PRECAST PILES POINT SHALL BE 25 TONNES.
4. THE EXPECTED PENETRATION DEPTH OF EACH PILE POINT IS 6 TO 15 METRES. THIS IS TO BE CONFIRMED DURING PILE DRIVING WORKS. (UNTIL PILE SET IS ACHIEVED UNLESS OTHERWISE STATED)
5. THE PILE SET SHOULD BE ACHIEVED WITH THE LAST 10 BLOWS FOR LESS THAN 20mm PENETRATION (PILE HAMMER OF ABOUT ONE TONNE WITH HAMMER DROP OF ABOUT 600mm TO ONE METRE)
6. ALL WELDING WORKS FOR JOINING OF PILES SHALL BE CARRIED OUT BY QUALIFIED LICENSED WELDERS.
7. IF ANY OF THE PILE POINTS DOES NOT PENETRATE 6 METRES DEEP INTO THE GROUND (IF PILE SET IS ACHIEVED AT LESS THAN 6 METRES PENETRATION LENGTH), THE CLIENT OR CONTRACTOR SHALL REPORT TO THE C&S CONSULTANT FOR REDESIGN REQUIREMENT OF THE PILE FOUNDATION.

11a. MILD STEEL TUBULAR PILING

- 11a.1 ALL PILES SHALL BE GRADE 43 SEAMLESS MS TUBES 114.3mm Ø x 6.3mm THICK TO B.S. 4848 PART II WITH AN ULTIMATE LOAD CAPACITY OF NOT LESS THAN 240kN.
11a.2 ALL PILING WORK SHALL BE CARRIED OUT IN ACCORDANCE TO THE GENERAL SPECIFICATION AS SHOWN IN SPECIFICATION OF MATERIALS AND WORKMANSHIP.

12. NOTES FOR PAD FOOTING

1. ALL PAD FOOTING CONSTRUCTION SHALL BE REFERRED TO THE PAD FOOTING LAYOUT PLAN N AND DETAILS
2. THE DESIGN IS BASED UPON THE GROUND BEARING CAPACITY AT ABOUT 2.0 METRES BELOW EXISTING GROUND LEVEL TO BE 150KN/m²
3. CONCRETE GRADE 30 SHALL BE USED FOR ALL PAD FOOTING WORKS

13. NOTES FOR BAKAU PILING

1. WITH A 1/2 TONNE HAMMER AND DROP OF 900mm, THE FINAL SET SHOULD NOT BE MORE THAN 75/10 BLOWS OR THE SET TO BE FINALISED BY THE ENGINEER DURING THE TEST PILING.
2. ALL BAKAU PILES SHOULD BE NOT LESS THAN 75mm Ø (ON AVERAGE), ALL PILES CUT-OFF SHALL BE AT THE LOWEST WATER LEVEL. EXACT LEVEL TO BE DETERMINED ON SITE BY THE ENGINEER.
3. IF PILE REQUIRED TO BE SPLICED TOGETHER, A TUBULAR SPLICE WITH A HEAVY PIPE 90mm Ø x 600mm LONG x 6mm THICK SHOULD BE USED AT LEAST 4 HOLES SHALL BE PROVIDED IN THE PIPE FOR DRIVING 65mm LONG NAILS SPIKE INTO THE PILE.
4. ACTUAL SPACING OF BAKAU PILES TO BE DECIDED ON SITE.

14. NOTES FOR SAFETY OF EXISTING UNDER GROUND SERVICES

1. MAIN CONTRACTOR TO CARRY OUT PILOT TRENCHING (ADEQUATE GROUND INVESTIGATION) BEFORE CARRYING OUT ANY EXCAVATION WORKS FOR DRAINAGE WORKS, PILING WOKS AND OTHER WORKS THAT MAY AFFECT THE BURIED (UNDER GROUND) EXISTING SERVICES/UTILITIES SUCH AS ELECTRICAL CABLES, FIBRE OPTIC CABLES, TELECOM CABLES, WATER PIPES. .THIS IS IMPORTANT TO PREVENT ANY DAMAGE TO SUCH SERVICES /UTILITIES SAFETY THREAT TO ALL STATEHOLDERS.

15. NOTES FOR WATERPROOFING WORKS :

1. ALL INTERNAL OR EXTERNAL SURFACES OF WATER RETAINING STRUCTURE OR WET AREAS SUCH AS TOILETS, RC ROOF SLABS, RC GUTTERS, M&E ROOMS AND KITCHENS SHALL BE WATERPROOFED WITH APPROVED WATERPROOFING SYSTEM.
2. ALL WATERPROOFING WORKS SHALL BE CARRIED OUT BY MANUFACTURER'S APPROVED INSTALLER/APPLICATOR AND SHALL BE APPLIED IN STRICT ACCORDANCE TO THE MANUFACTURER'S APPROVED PROCEDURES OR AS PER ENGINEER'S APPROVAL.
3. SUFFICIENT CURING TIME SHALL BE ALLOWED BEFORE INSTALLATION OF ANY PROTECTIVE SCREED OR ARCHITECTURAL FINISHES.
4. WATERPROOFING SYSTEMS THAT HAS BEEN APPROVED FOR INSTALLATION SHALL CARRY A 10 YEAR WARRANTY PERIOD BY THE MANUFACTURER OR BY THE MANUFACTURER'S REPRESENTATIVES OR BY THE APPROVED LOCAL DISTRIBUTOR/APPLICATOR.

16. GENERAL NOTES FOR ANY STRUCTURAL STEEL WORKS

1. MAIN CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STEEL WORKS FOR STRUCTURAL ENGINEER'S APPROVAL BEFORE ORDERING, PURCHASING, FABRICATING AND ERECTING ANY STEEL STRUCTURAL WORKS.
2. PROPOSED CONNECTION DETAILS TO BE PROVIDED IN THE STRUCTURAL SHOP DRAWINGS FOR STRUCTURAL ENGINEER'S APPROVAL.
3. ALL STEEL SECTION MEMBERS SHALL BE SAND BLASTED BEFORE APPLYING ANY APPROVED ANTI-CORROSION COATING SYSTEM.
4. ALL WELDING WORKS SHALL BE CARRIED OUT BY QUALIFIED LICENSED WELDERS.

17. NOTES FOR TURFING .:

1. ALL TURFS SHALL BE 225MM SQUARE FROM AN APPROVED SOURCE FREE FROM LALLANG AND OTHER WEEDS.
2. BLACK EARTH OF 50MM THICKNESS SHALL BE SPREAD ON TO THE GROUND WHERE TURFING IS TO BE DONE.
3. SPOT TURFING SHALL BE LAID AT 300MM CENTRES.
4. CLOSED TURFING TO BANKS SHALL BE PEGGED IN PLACE WITH 25MM DIAMETER PEGS 225MM LONG.
5. ALL TURFING SHALL BE WATERED UNTIL SATISFACTORILY ESTABLISHED AND ALL TURFING THAT HAS BECOME DEFECTIVE WITHIN SIX MONTHS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. DURING THE PERIOD OF THE WORKS AND MAINTENANCE, THE CONTRACTOR SHALL KEEP ALL TURFED AREAS WATERED, MOWN OR CUT AND CLEARED OF GRASS CUTTING TO THE SATISFACTION OF THE ENGINEER. THE FIRST CUT SHALL BE MADE WHEN THE GRASS IS 100MM HIGH, FOLLOWED BY REGULAR CUTTING SO THAT THE VEGETATION AT NO TIME EXCEEDS 150MM IN HEIGHT.

18. DRAWING NOTE:

1. ALL STRUCTURAL DRAWING ARE DRAWN TO APPROXIMATE SCALE. ANY DISCREPANCY IN STRUCTURAL DRAWING DIMENSIONS, EXACT DIMENSION SHALL BE REFERRED TO STRUCTURAL ENGINEER.

19. GENERAL NOTES FOR FLOOR HARDENER REQUIREMENTS:

1. ALL CONCRETE SLAB SURFACES WHICH ARE NOT COVERED WITH HEAVY DUTY DECORATIVE TILES AND TO BE USED AS CAR PARKS OR ACCESS ROADS (FOR SELECTED AREAS) SHALL BE APPLIED WITH SUITABLE FLOOR HARDENERS SYSTEM (TO INCLUDE POWER FLOAT TROWELLING IF APPLICABLE)

20. GENERAL NOTES FOR BRICKWALL WORKS:

1. ALL BRICKS TO BE USED SHALL BE REGULAR IN SIZE AND APPROVED BY ABCI
2. REINFORCED CONCRETE STIFFENERS (100x100 WITH APPROPRIATE REINFORCEMENTS)SHALL BE PROVIDED AT EVERY INTERVAL OF 3.5m OF BRICK WORK LENGTH

21. NOTES FOR WORKPLACE SAFETY, HEALTH AND ENVIRONMENT COMPLIANCE & INSURANCES & TEMPORARY WORKS:

1. MAIN CONTRACTOR SHALL ENSURE TO COMPLY FULLY WITH ALL PREVAILING RULES, REGULATIONS AND LAWS OF NEGARA BRUNEI DARUSSALAM ON WORKPLACE SAFETY, HEALTH AND ENVIRONMENTAL ASPECTS THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD AND DEFECTS LIABILITY PERIOD
2. MAIN CONTRACTOR SHALL ENSURE THAT ALL APPLICABLE INSURANCES ARE VALID THROUGHOUT THE CONSTRUCTION PERIOD AND DEFECTS LIABILITY PERIOD SUCH AS CONTRACTOR'S ALL RISK INSURANCE OR OTHERS SUCH AS WORKMEN COMPENSATION INSURANCE POLICY, PUBLIC LIABILITY INSURANCE POLICY AND FIRE INSURANCE POLICY(WHICHEVER IS APPLICABLE AS PER SUPERINTENDING OFFICERS INSTRUCTIONS)
3. MAIN CONTRACTOR SHALL EMPLOY INDEPENDENT CONSULTANT TO CARRYOUT DESIGN WORKS FOR ALL TEMPORARY WORKS AND THAT SUCH TEMPORARY WORKS DESIGN REQUIREMENT ARE FULLY COMPLIED DURING ITS EXECUTION

22. NOTES FOR ROOF TRUSSES:

1. ROOF TRUSSES SHALL BE LIGHTWEIGHT PROPRIETARY SYSTEM SUCH AS LYSAGTH SMART TRUSS SYSTEM OR APPROVED TECHNICAL EQUIVALENT SHALL BE DESIGNED BY MANUFACTURER COMPANY.
2. THE INSTALLATION WORKS SHALL BE CARRIED OUT BY MANUFACTURER'S APPROVED INSTALLER.



SERI BUMI CONSULTANT
CIVIL & STRUCTURAL ENGINEERING CONSULTANT

No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE		

DESIGNED BY

THAN ZAW TUN

DRAWN BY

SAI

CHECKED BY

MD. YUNUS

APPROVED BY

DATE

14/09/2022

SCALE:

N.T.S

TITLE:

GENERAL NOTES

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

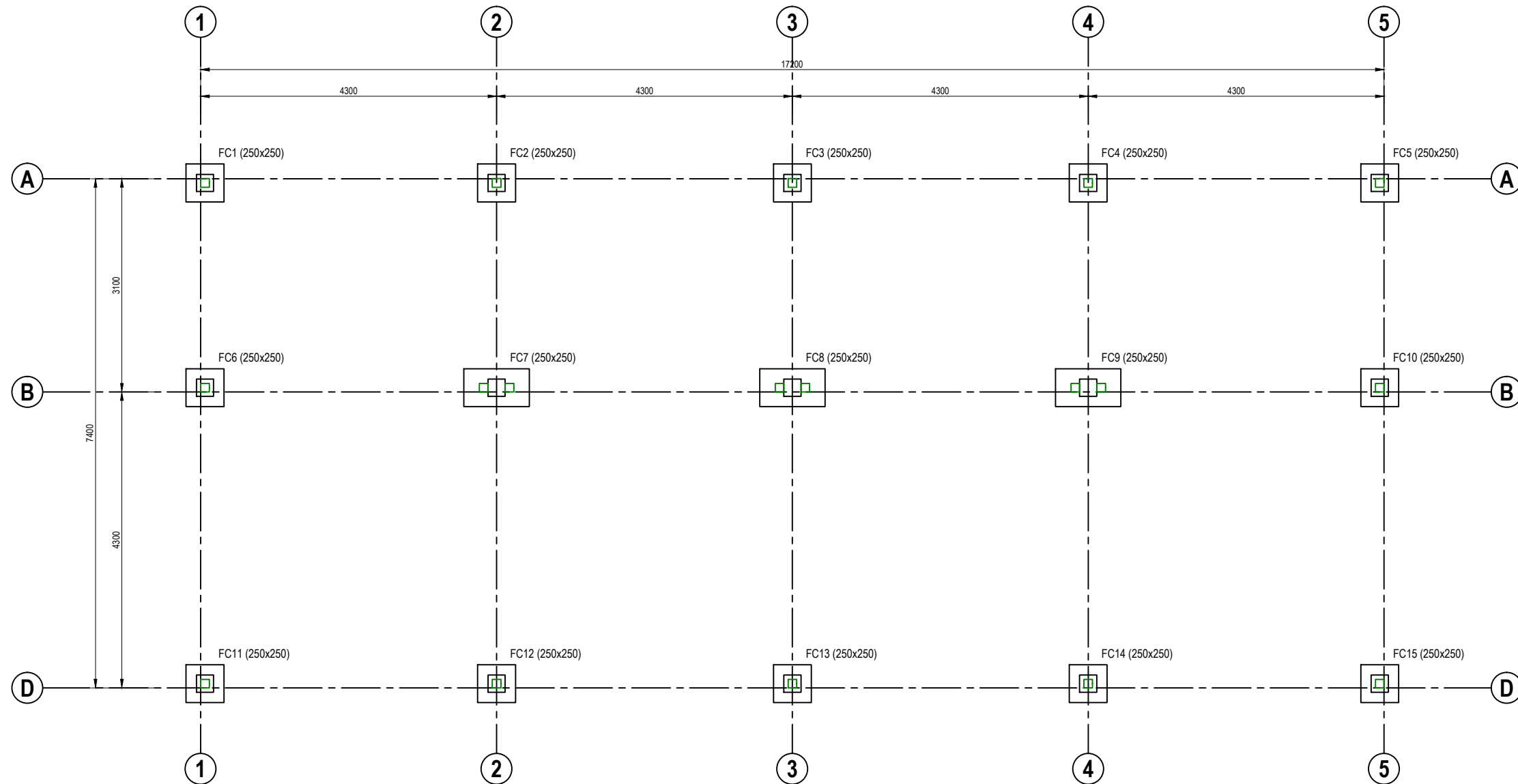
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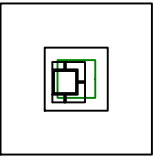
SBC/Q366/AFLQ/10P/ST/GN - 100

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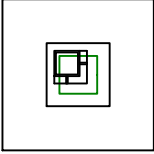


150x150mm R.C PRECAST PILE FOUNDATION LAYOUT PLAN
SCALE 1 : 75

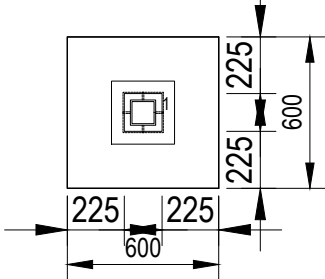
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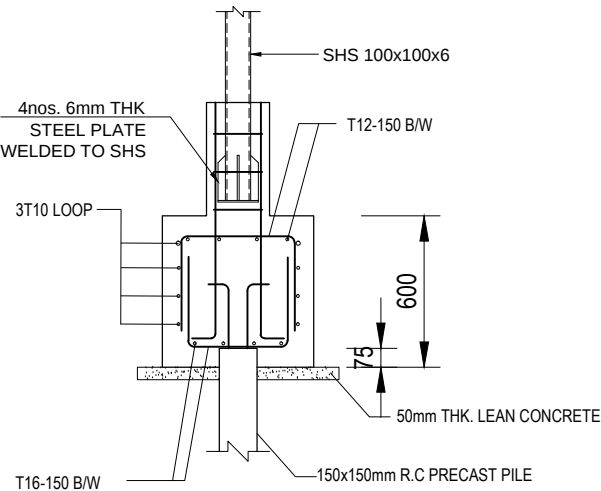
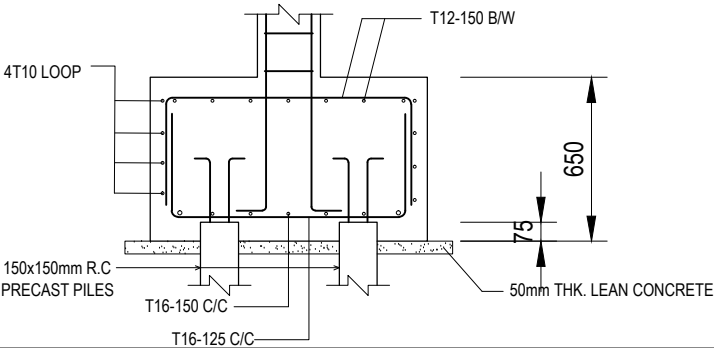
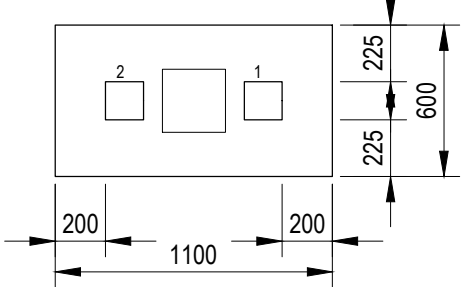
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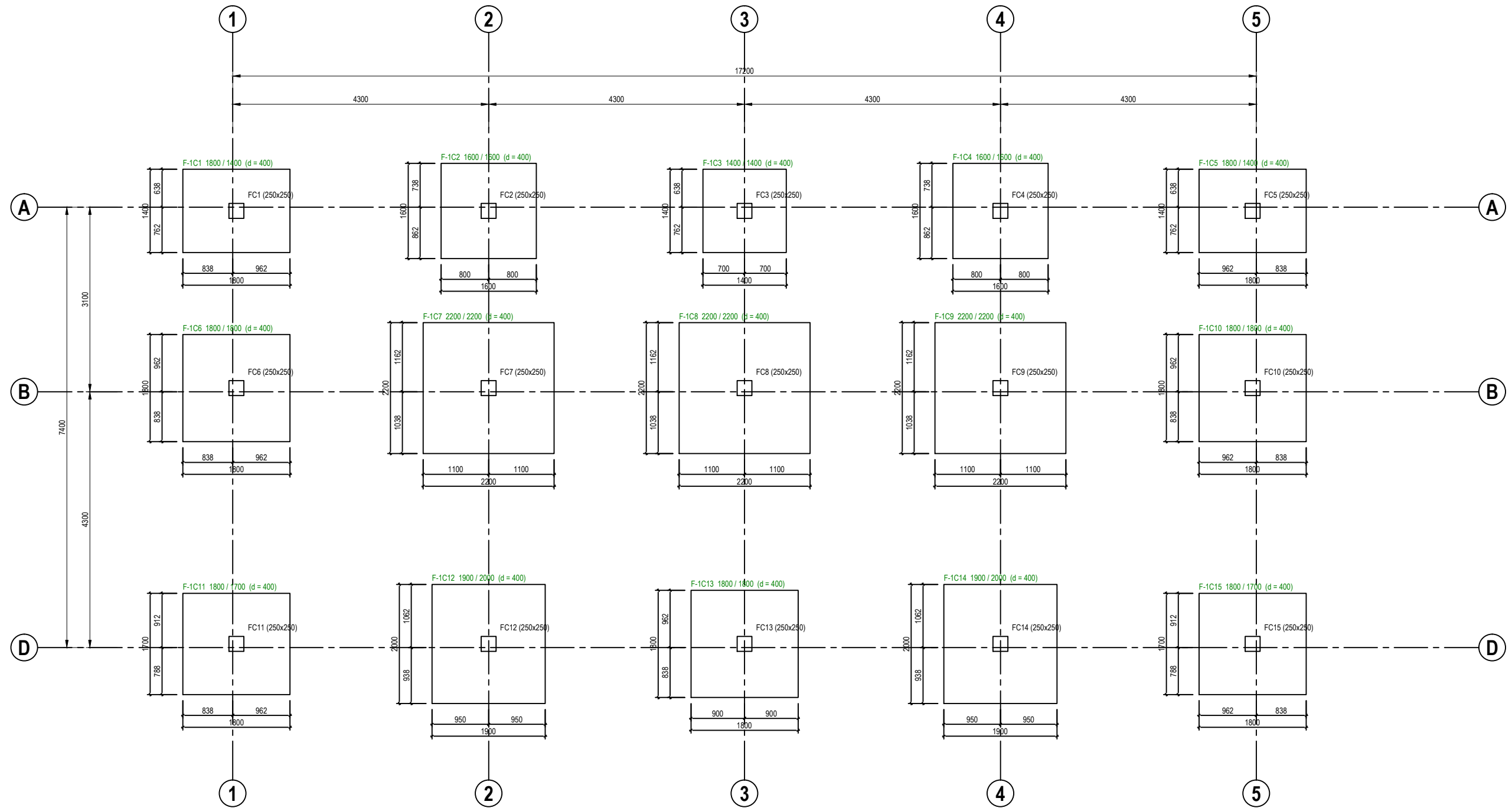
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F2 1100 / 600 (d = 650)



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										DRAWN BY	SAI					SHEET NO:		
										CHECKED BY	MD. YUNUS			PROJECT:		DRAWING NO:		
										APPROVED BY		DATE		14/09/2022	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)		SBC/Q366/AFLQ/10P/ST/CS - 100	
					NO.	AMENDMENTS		BY	DATE							REV:		



PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 100 kN/m²]
SCALE 1 : 75



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
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21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
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MD. YUNUS

APPROVED BY

DATE

14/09/2022

SCALE:

1:75

TITLE:

PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 100 kN/m²]

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

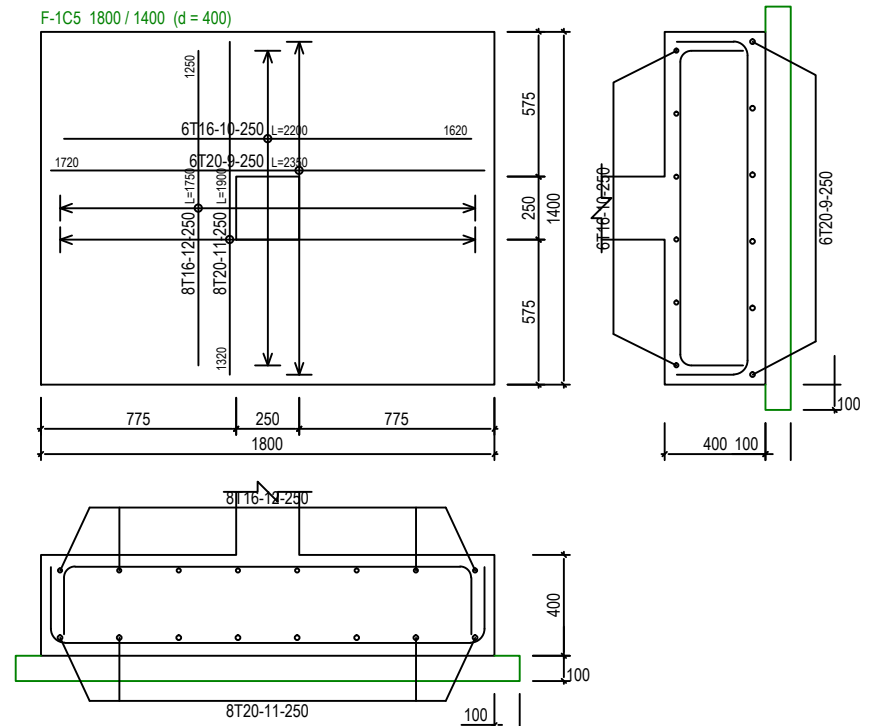
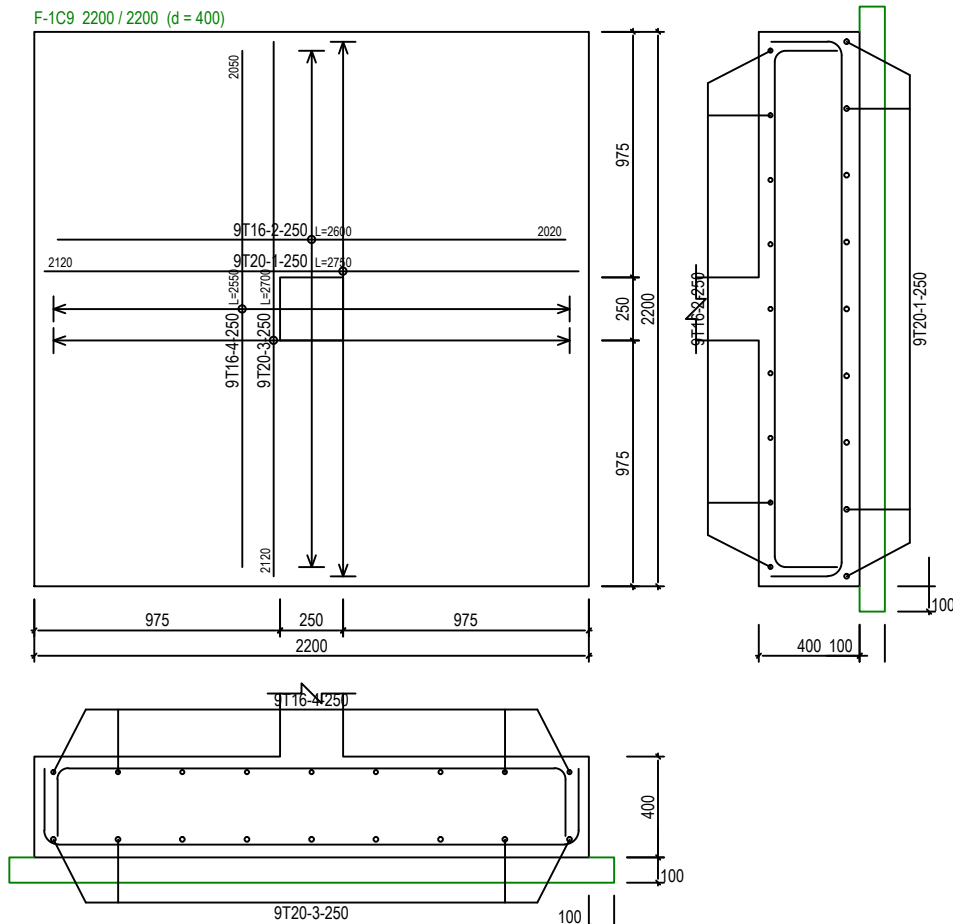
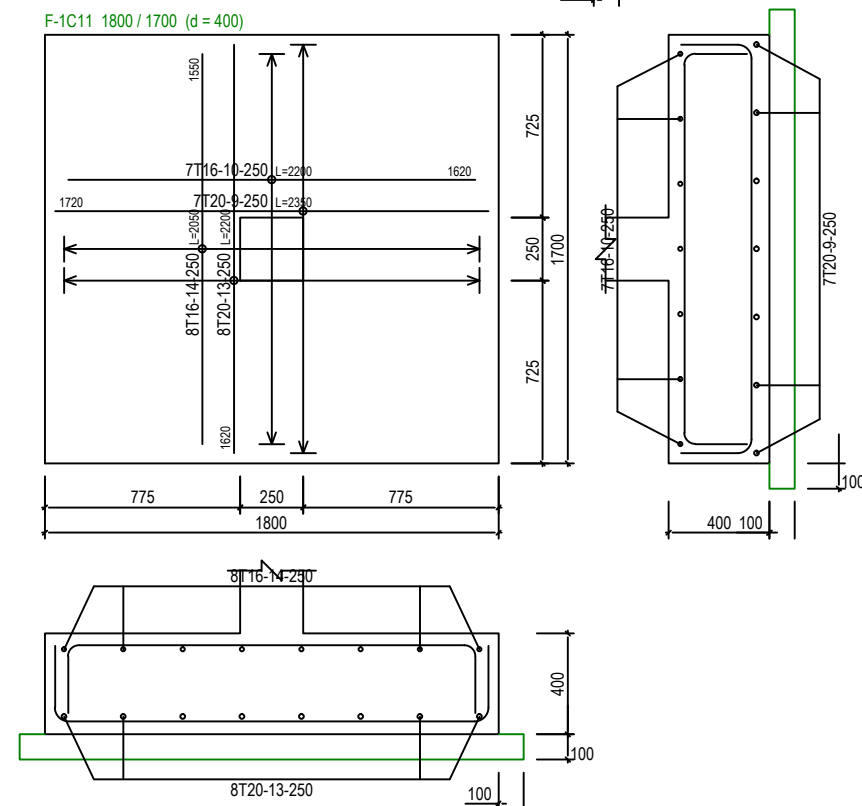
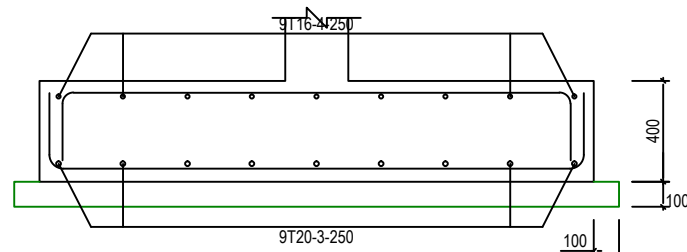
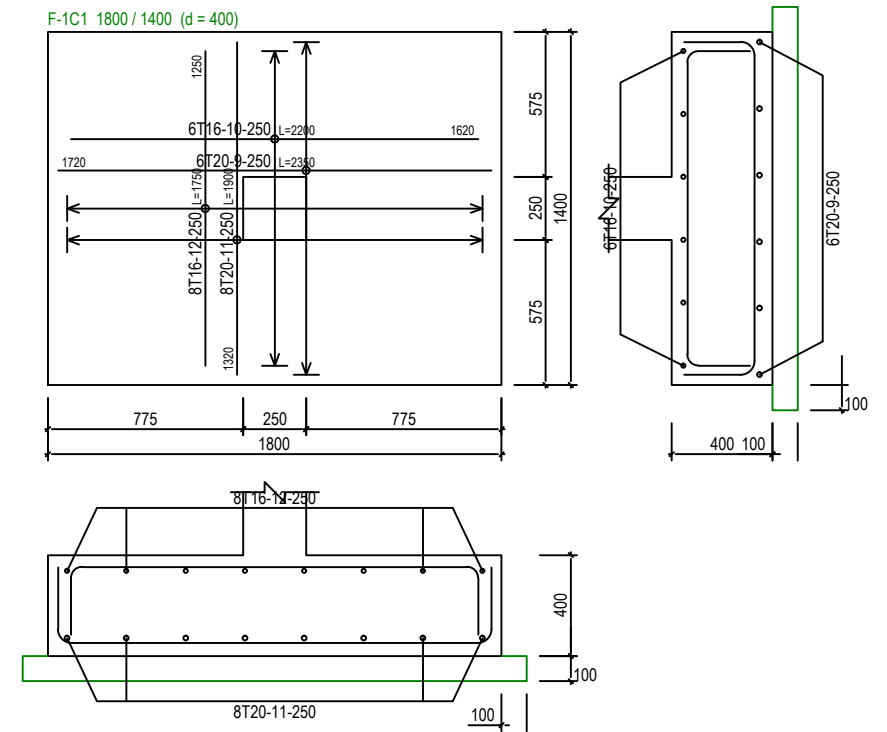
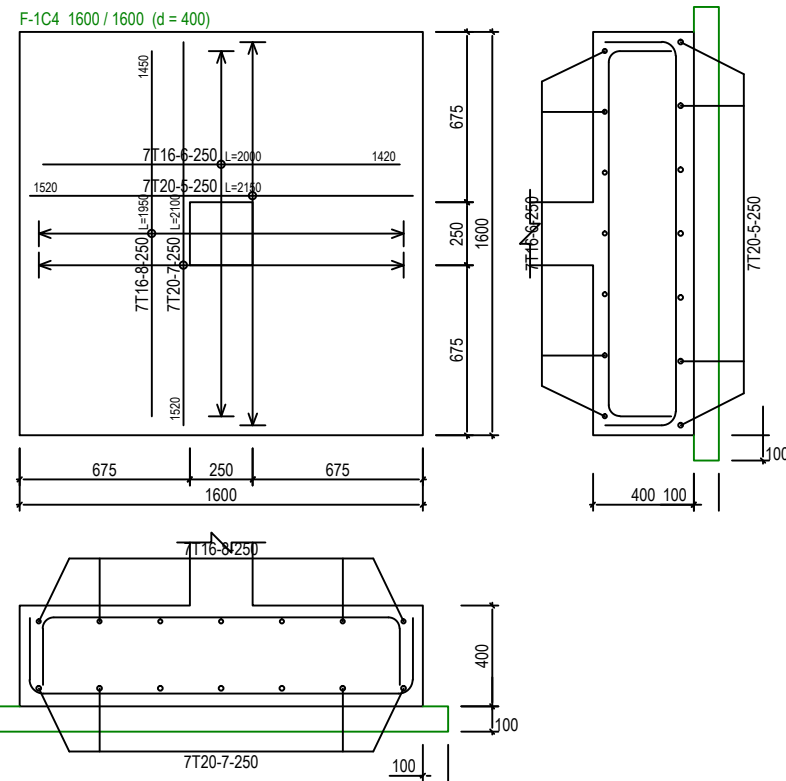
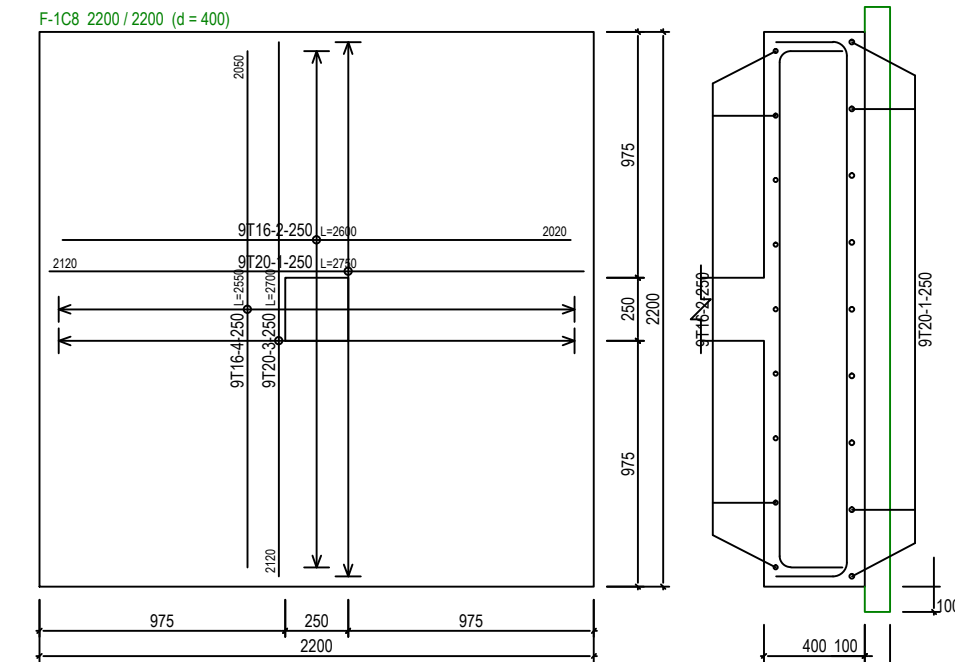
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SBC/Q366/AFLQ/10P/ST/CS - 101

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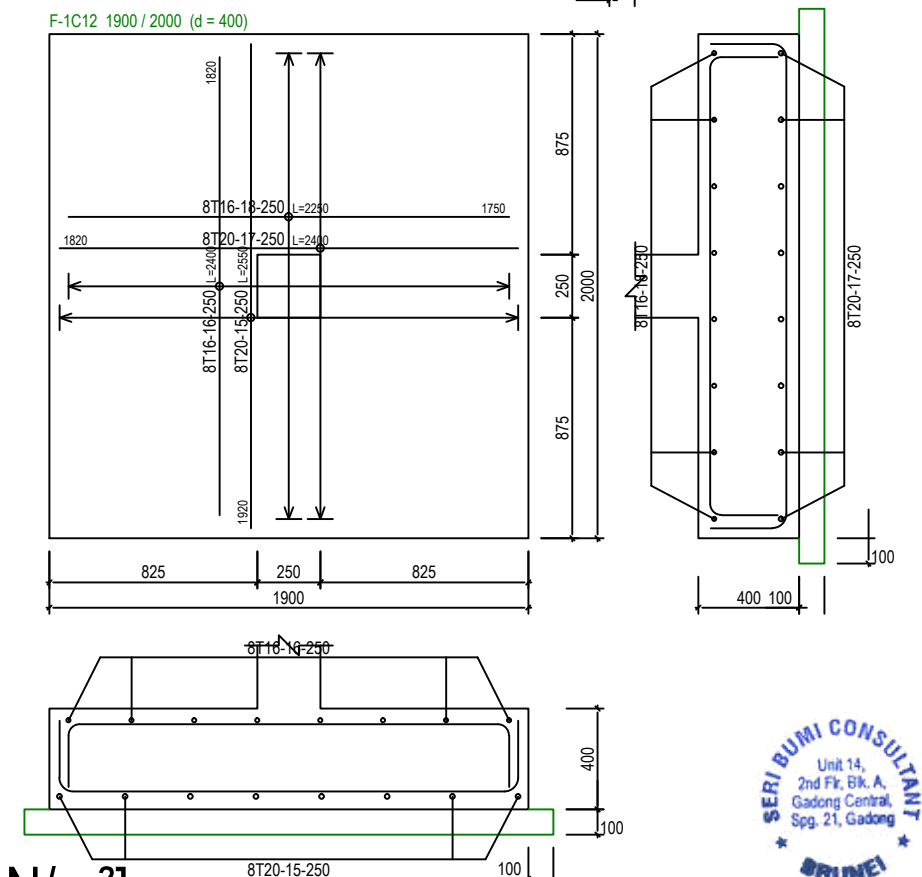
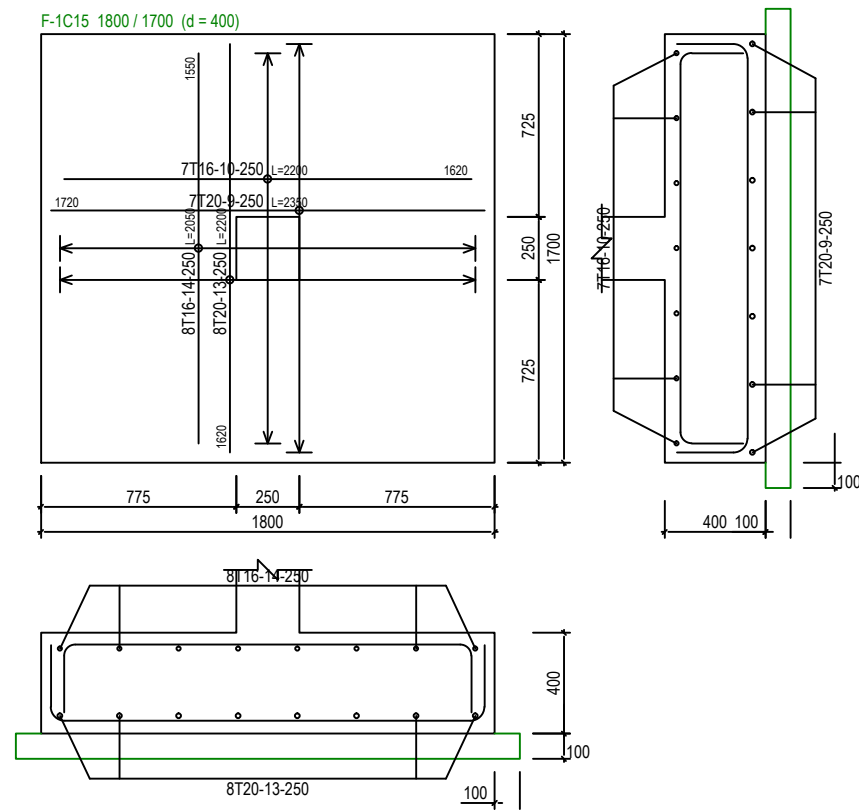
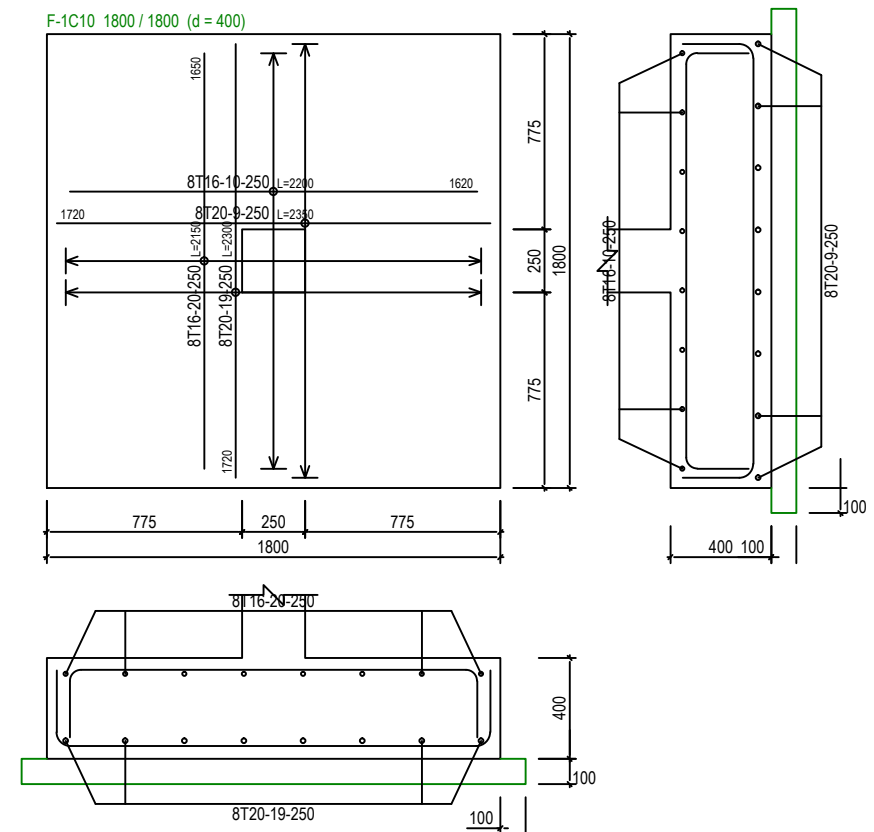
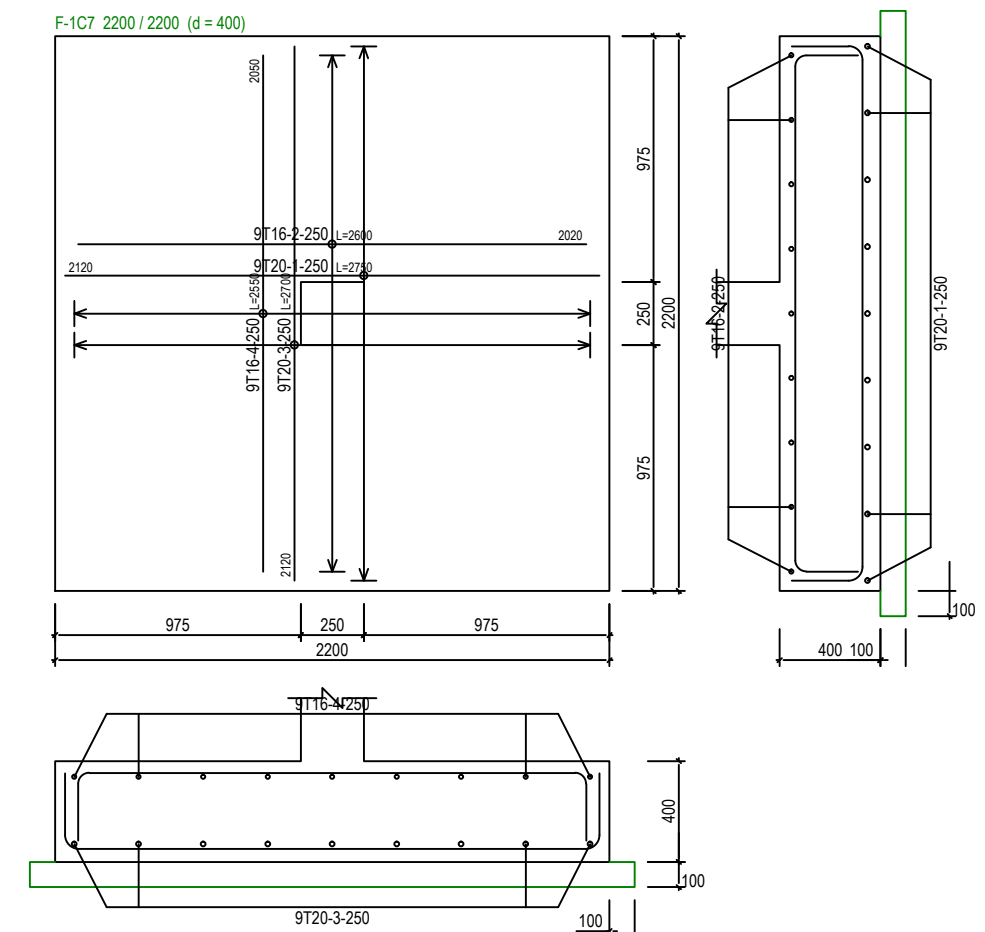
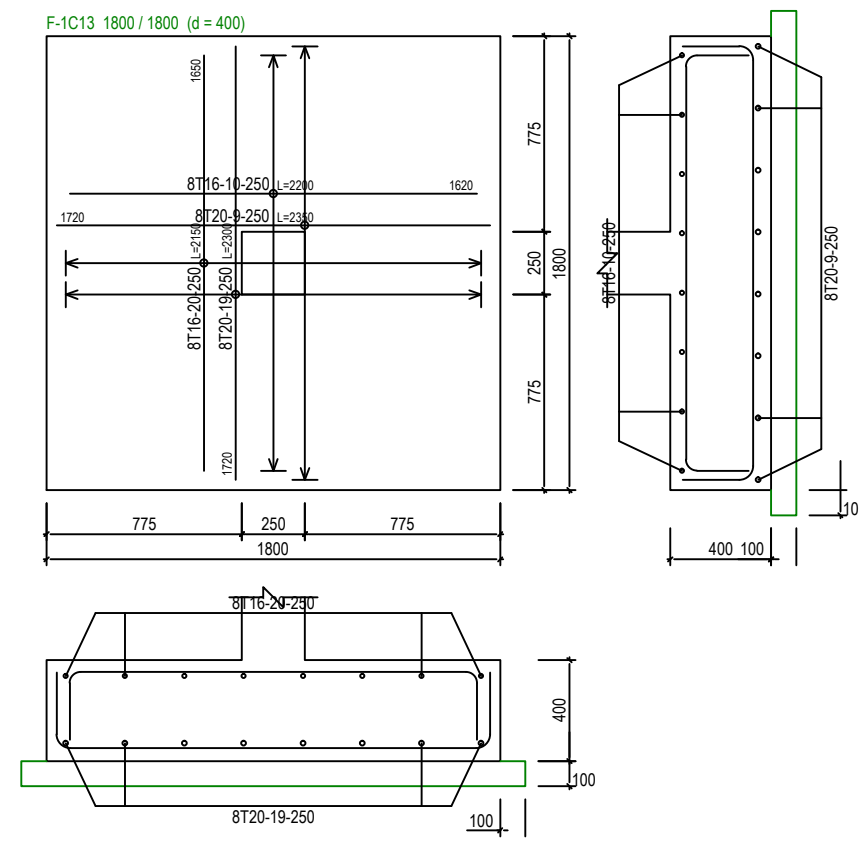
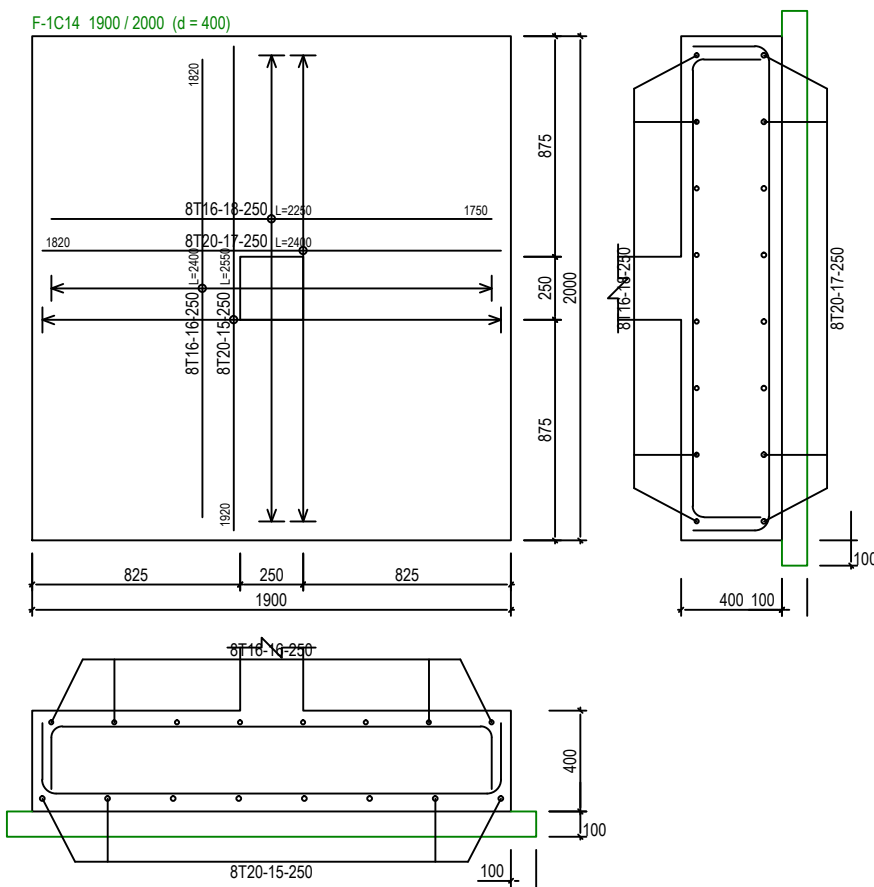


PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 100 kN/m²]

SCALE 1:30



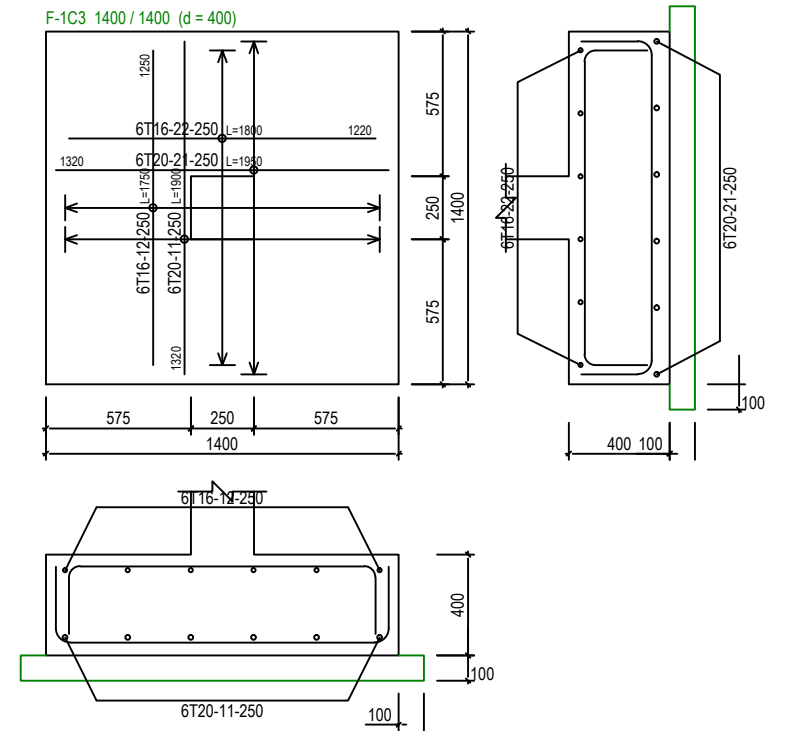
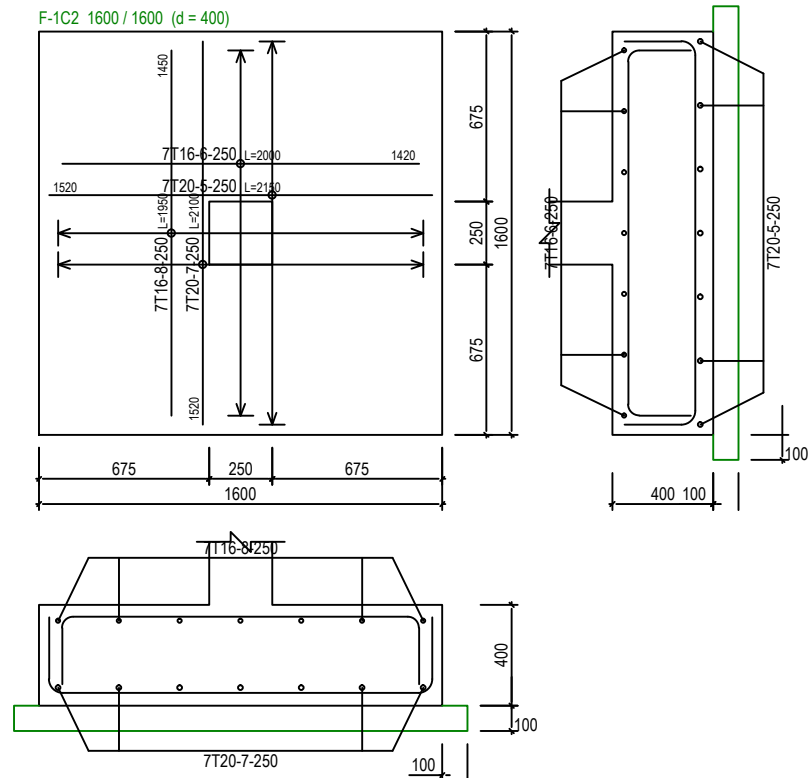
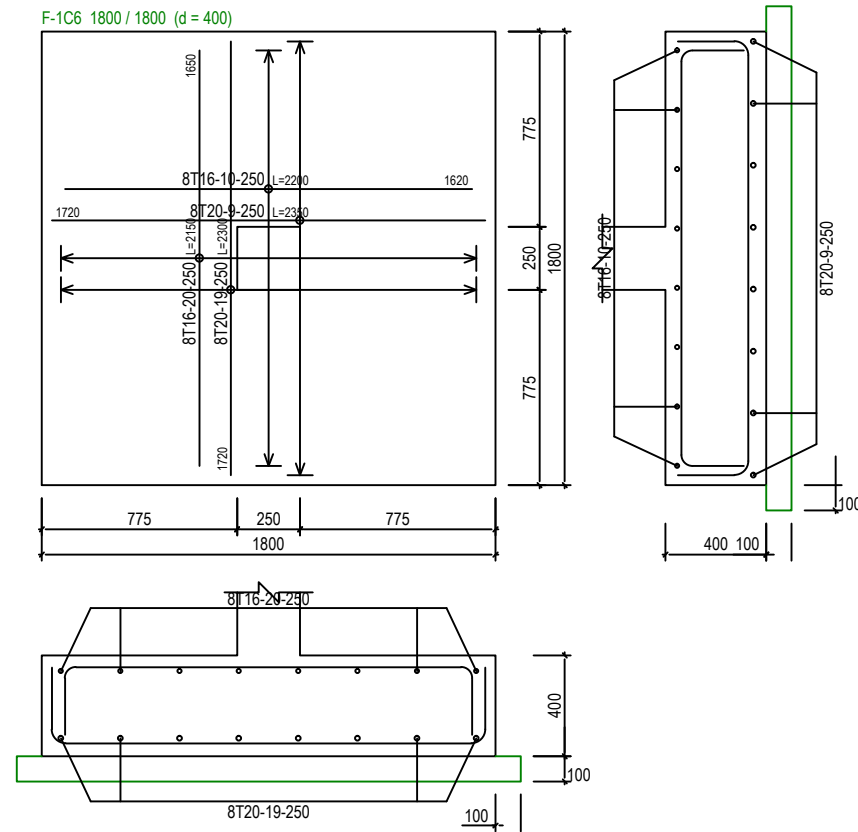
(sbc) SERI BUMI CONSULTANT CIVIL & STRUCTURAL ENGINEERING CONSULTANT No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG 21, JALAN GADONG, BSB, BRUNEI DARUSSALAM TEL: 673-2427275 FAX: 673-2427279 E-MAIL: sbc.brunei@gmail.com	CLIENT:					DESIGNED BY	THAN ZAW TUN	SCALE: 1:30	TITLE:	PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 100 kN/m ²]		JOB NO:		
						DRAWN BY	SAI				SHEET NO:			
						CHECKED BY	MD. YUNUS							
						APPROVED BY					PROJECT:	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)	DRAWING NO:	REV:
	NO.	AMENDMENTS		BY	DATE				DATE	14/09/2022			SBC/Q366/AF/LQ/10P/ST/CS - 101A	



PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 100 kN/m²] SCALE 1:30



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							DRAWN BY	SAI			SHEET NO:				
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		NO.	AMENDMENTS		BY	DATE									



PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 100 kN/m²] SCALE 1:30





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No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
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 TEL: 673-2427275 FAX: 673-2427279
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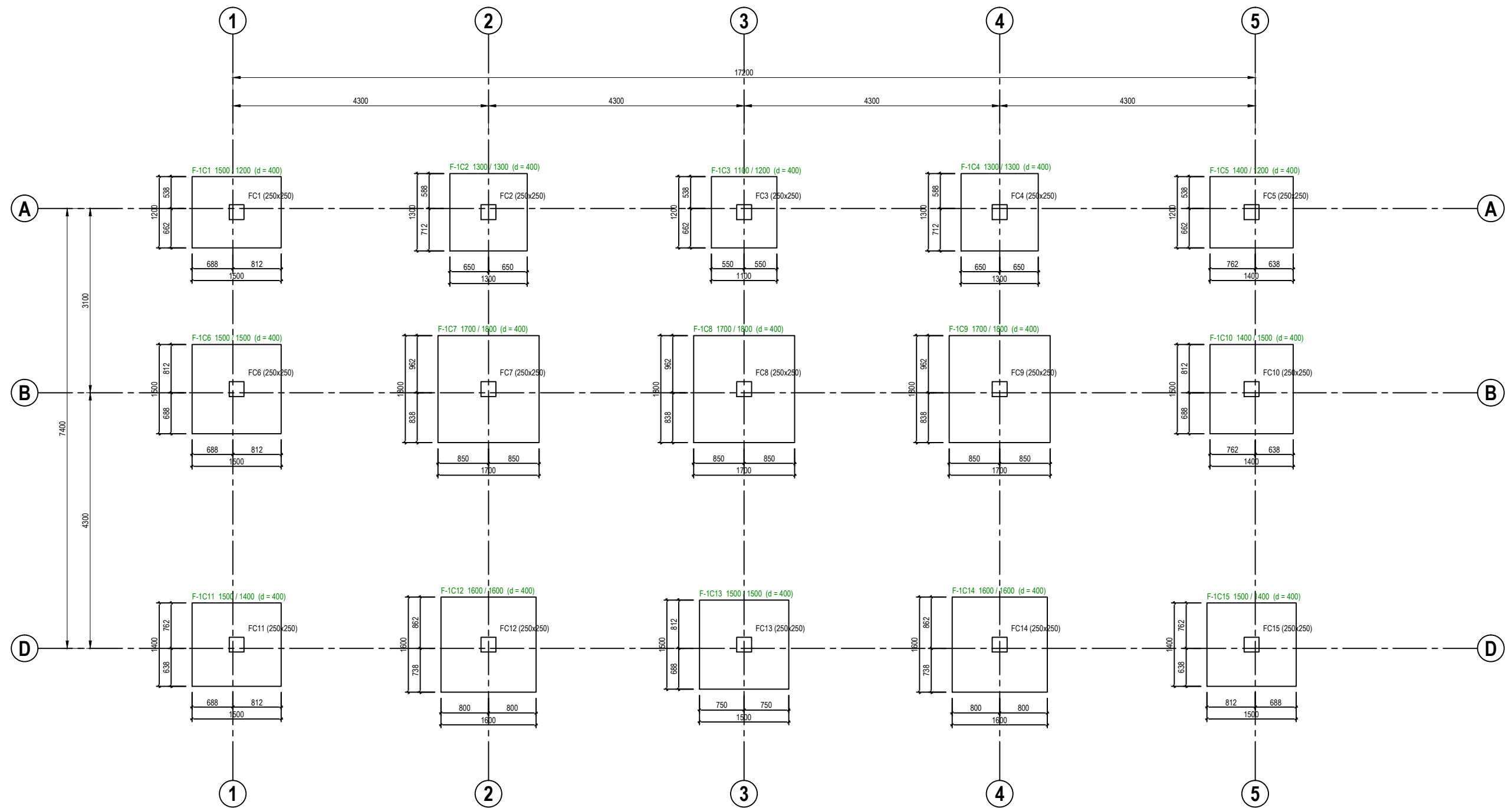
NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	 DATE 14/09/2022

SCALE:

1:30

TITLE:	PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 100 kN/m ²]	JOB NO:	
		SHEET NO:	
PROJECT:	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)	DRAWING NO:	SBC/Q366/AFLQ/10P/ST/CS - 101C
		REV:	



PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 150 kN/m²]
SCALE 1 : 75



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No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
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APPROVED BY

DATE

14/09/2022

SCALE:

1:75

TITLE:

PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 150 kN/m²]

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

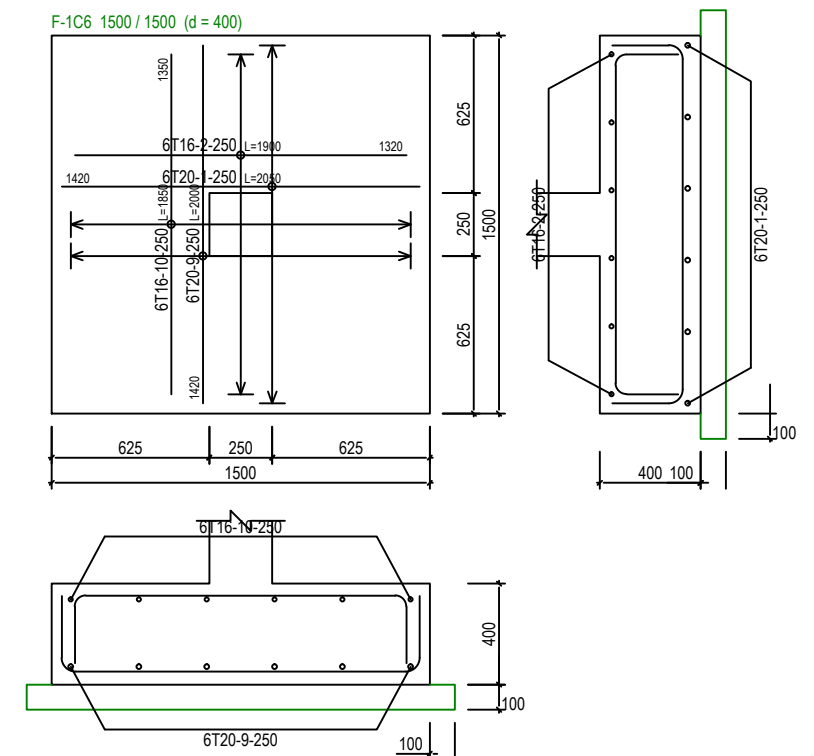
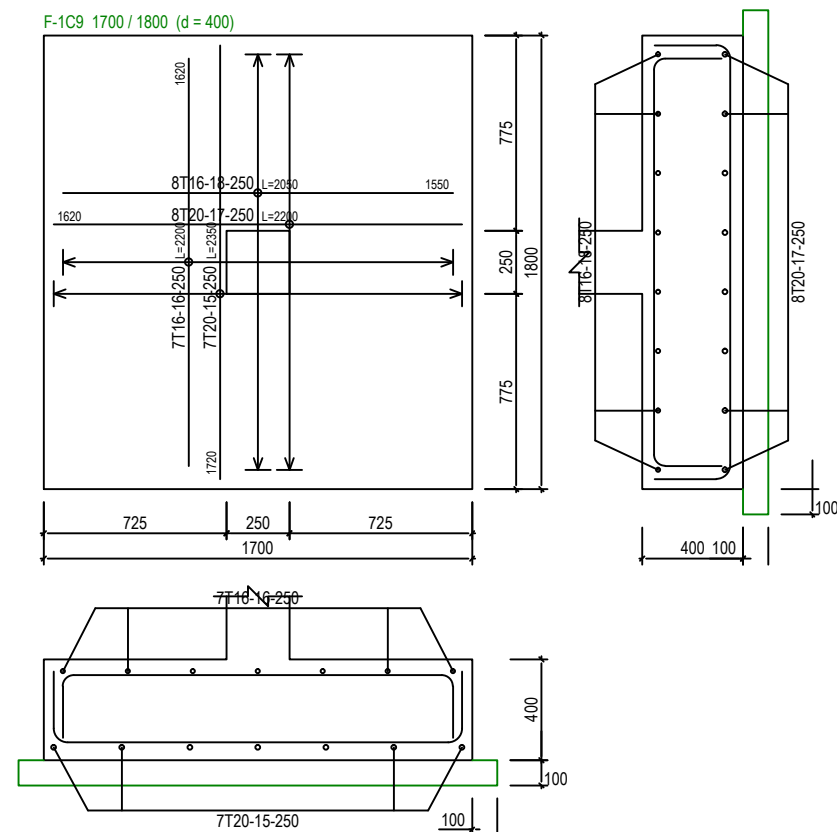
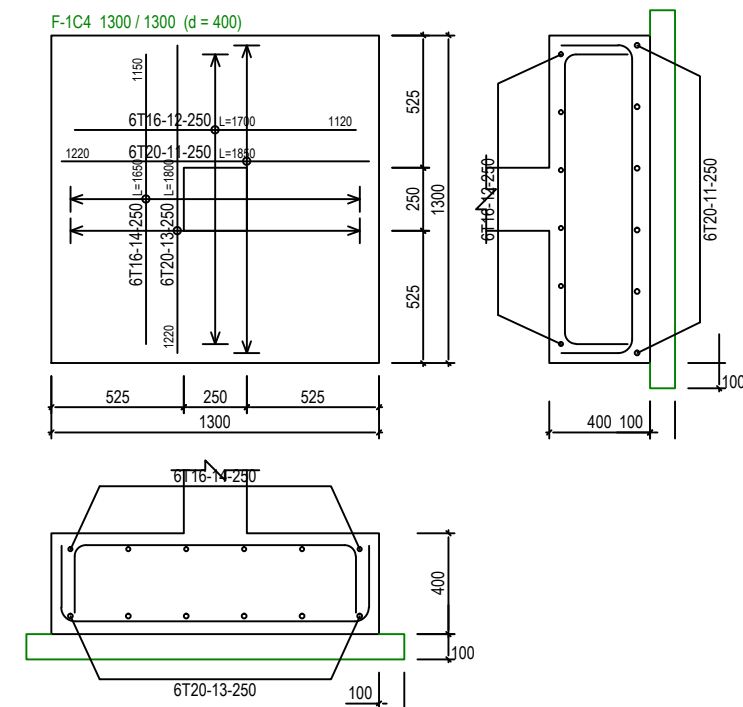
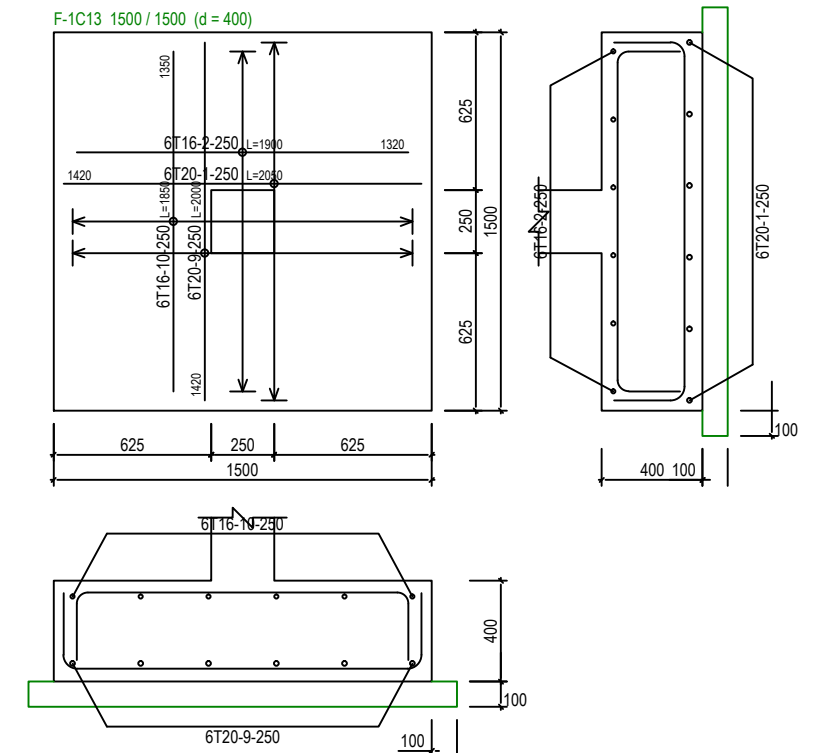
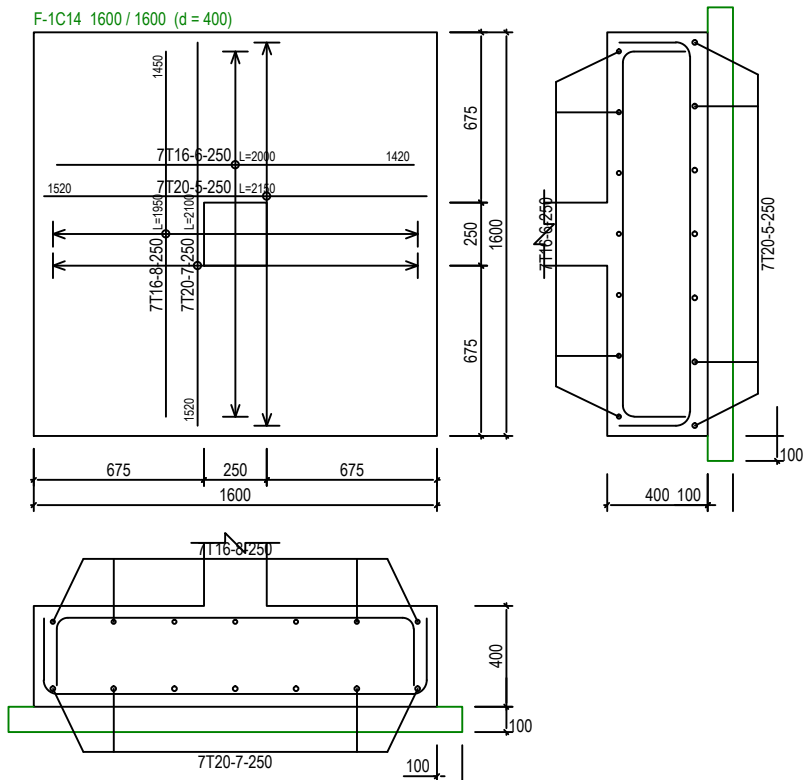
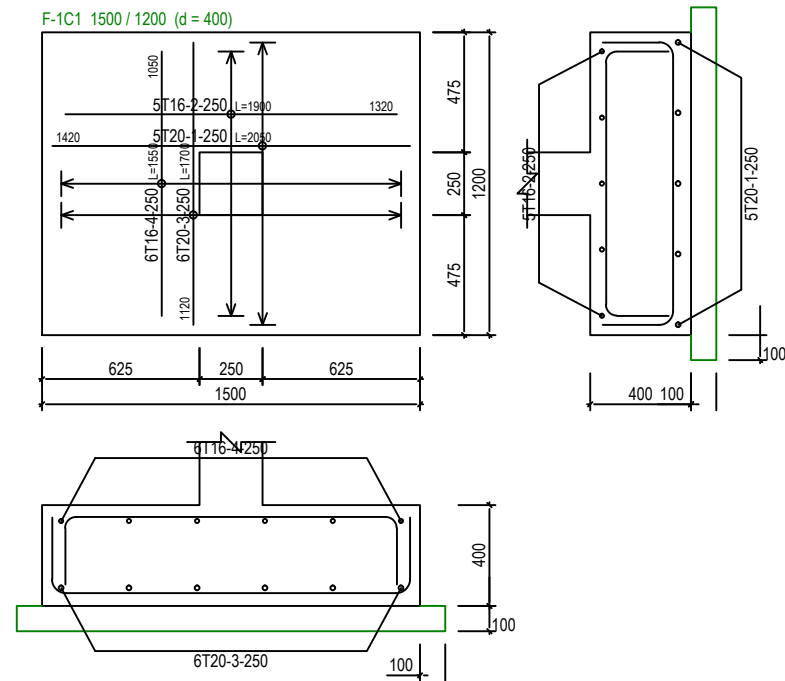
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SHEET NO:

DRAWING NO:

SBC/Q366/AFLQ/10P/ST/CS - 102

REV:



PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 150 kN/m²] SCALE 1:30



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CLIENT:

NO.	AMENDMENTS	BY	DATE

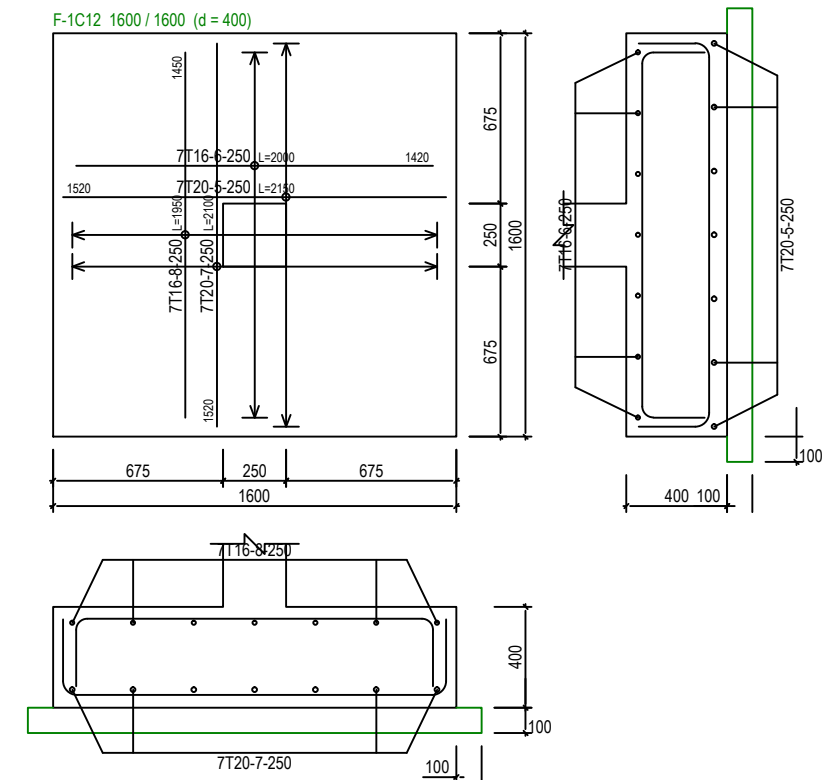
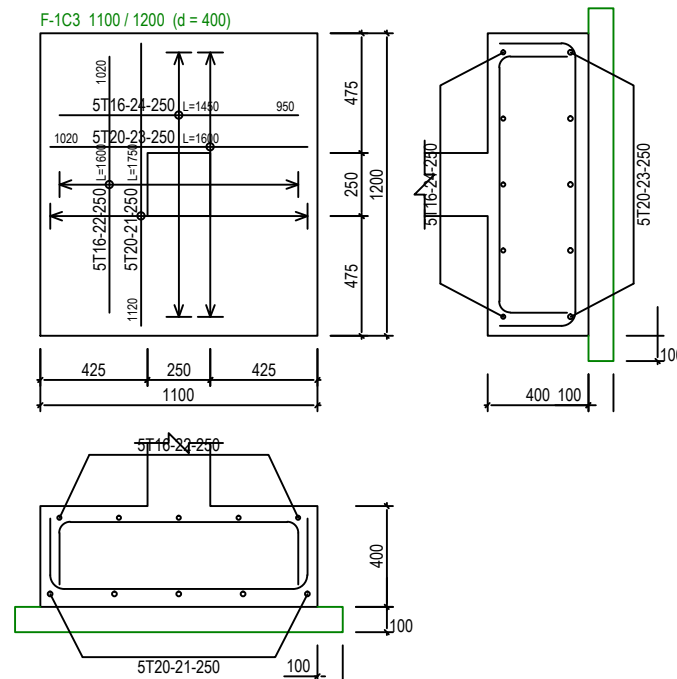
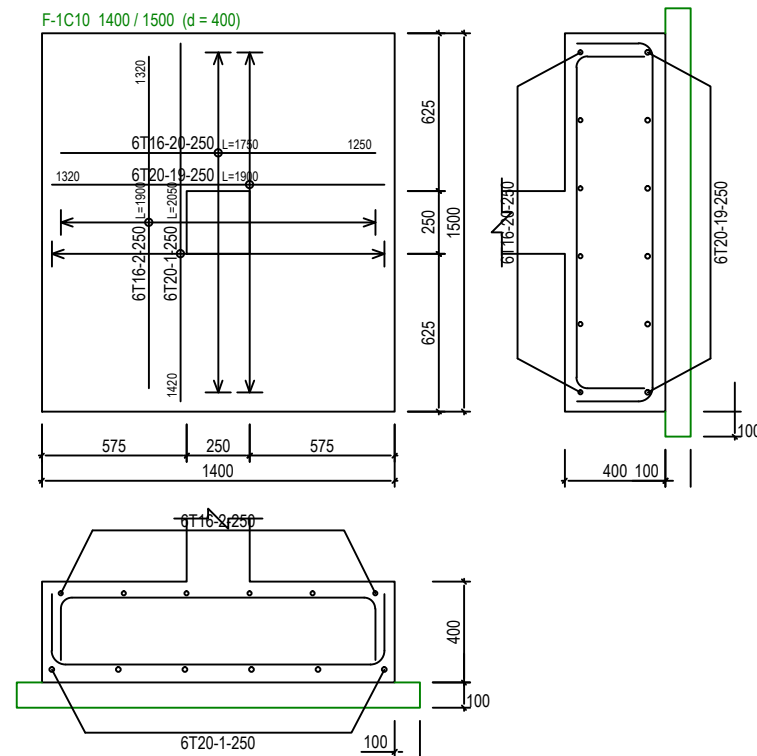
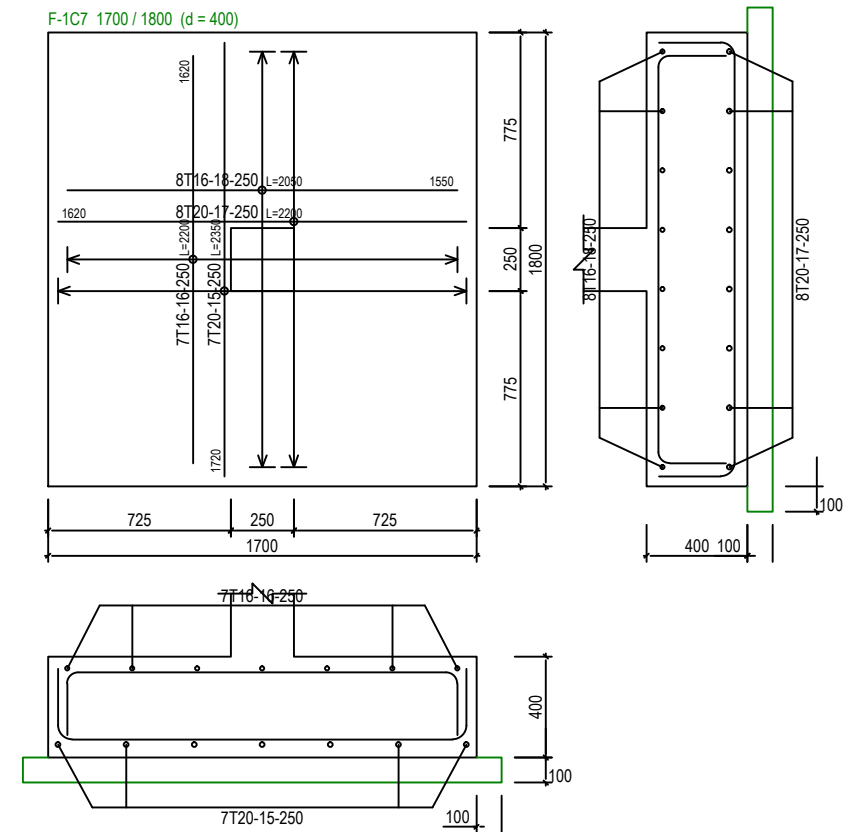
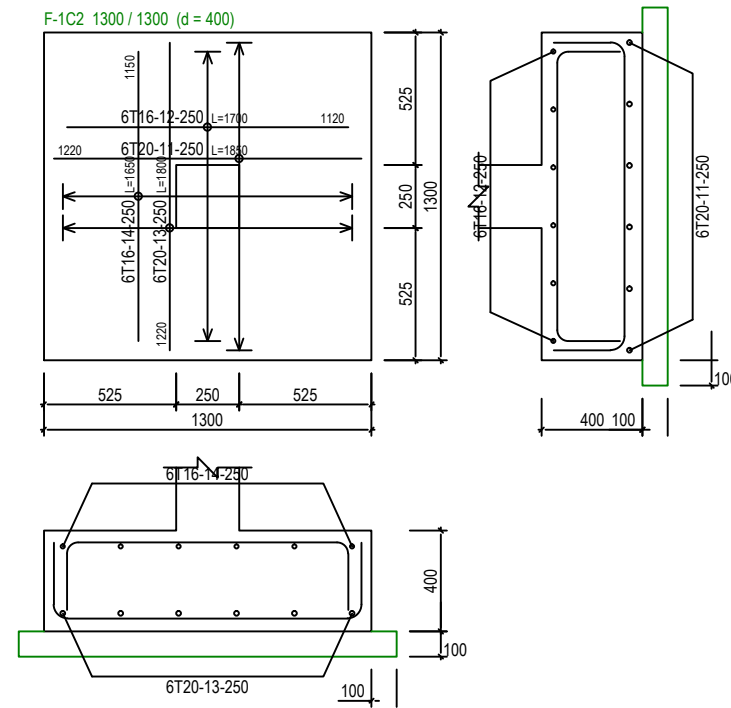
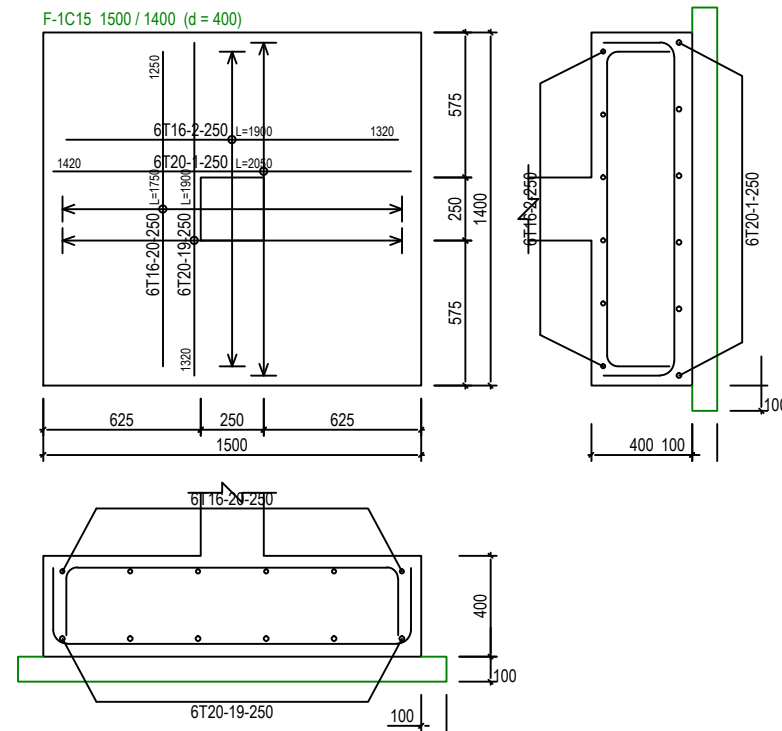
DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	DATE 14/09/2022

SCALE:

1:30

TITLE:
 PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 150 kN/m²]
 PROJECT:
 PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
 BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AF/LQ/10P/ST/CS - 102A
REV:	



PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 150 kN/m²]

SCALE 1:30



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NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	DATE 14/09/2022

SCALE:

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TITLE:
PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 150 kN/m²]

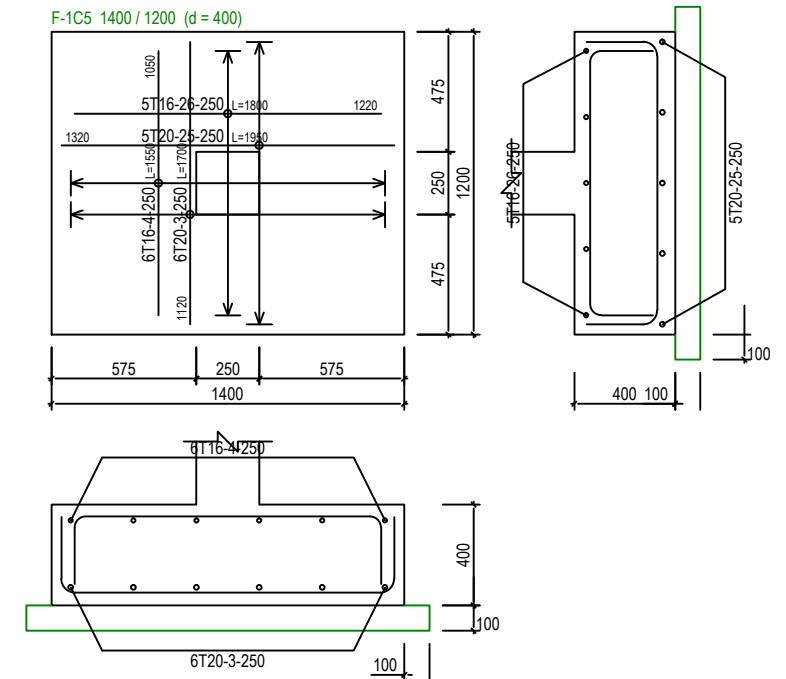
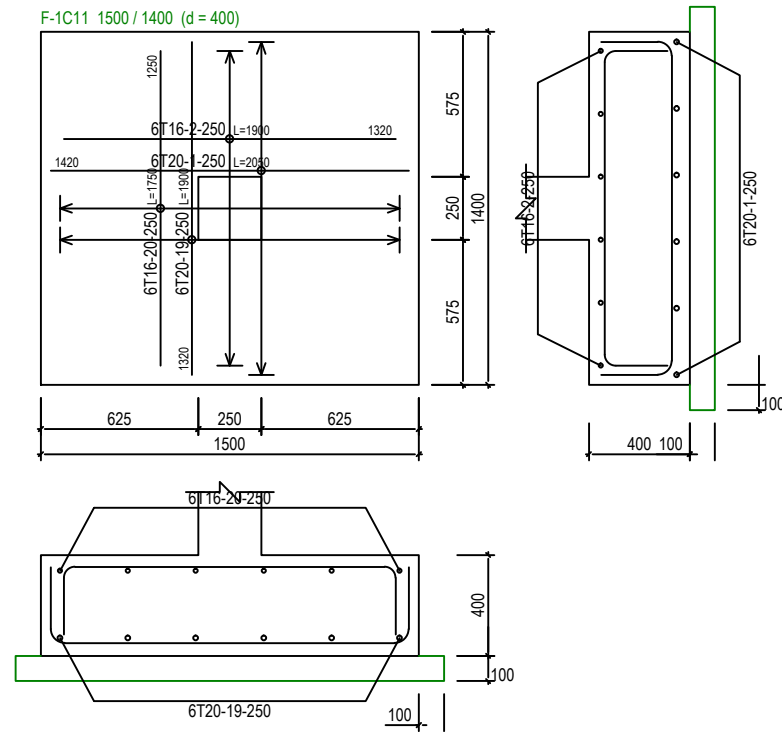
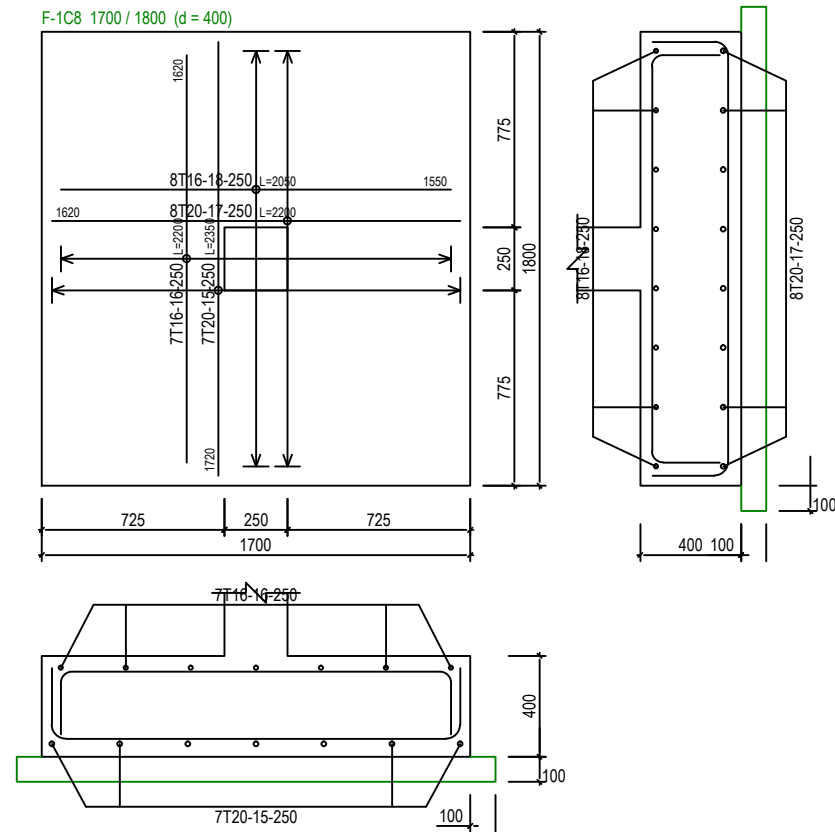
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PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:

SHEET NO:

DRAWING NO:
SBC/Q366/AF/LQ/10P/ST/CS - 102B

REV:



PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 150 kN/m²]

SCALE 1:30



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APPROVED BY	DATE 14/09/2022

SCALE:

1:30

TITLE:
PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 150 kN/m²]

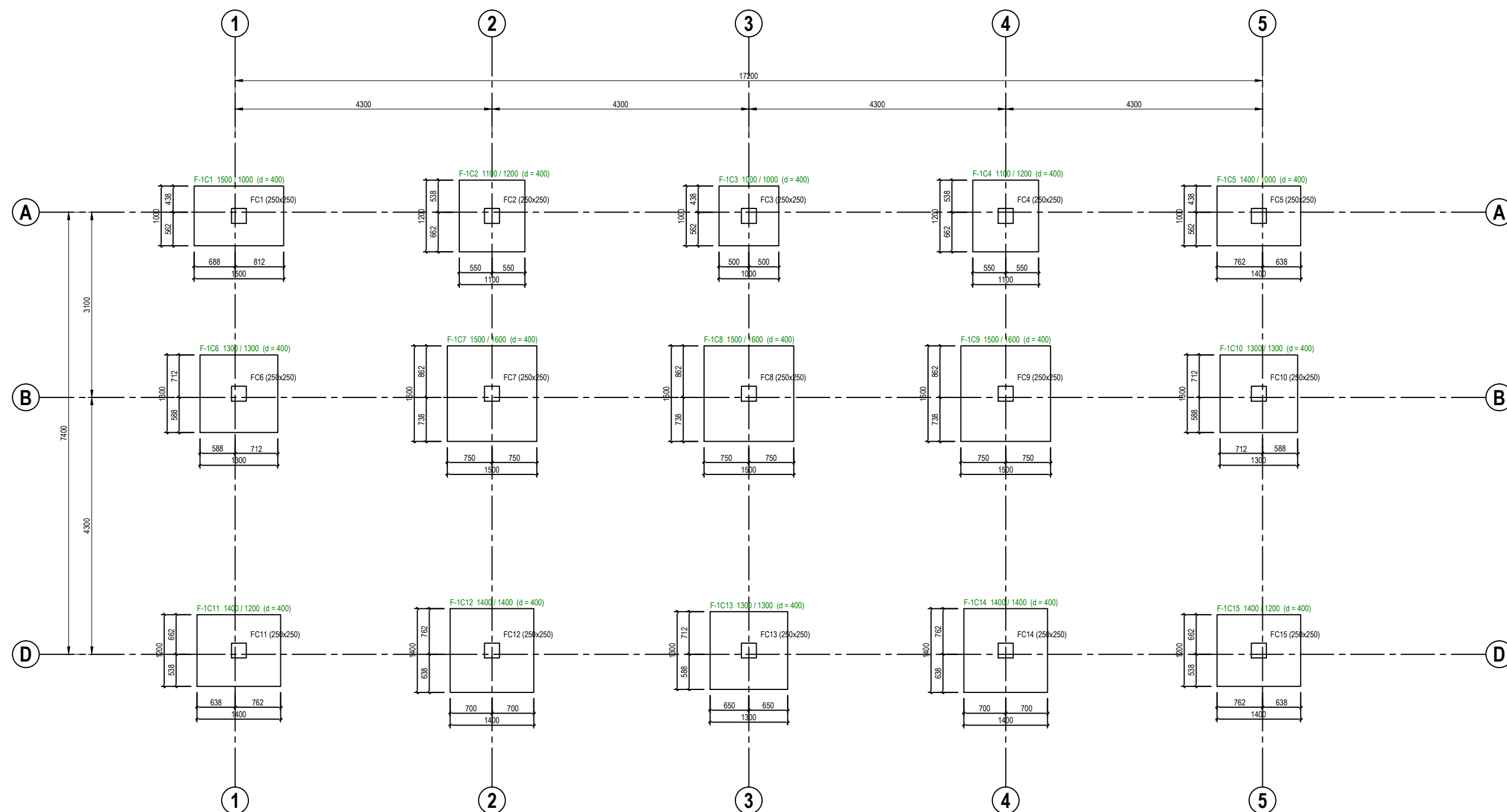
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PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:

SHEET NO:

DRAWING NO:
SBC/Q333/AFLQ/10P/ST/CS - 102C

REV:



PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 200 kN/m²]
SCALE 1 : 75



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E-MAIL: sbc.brunei@gmail.com

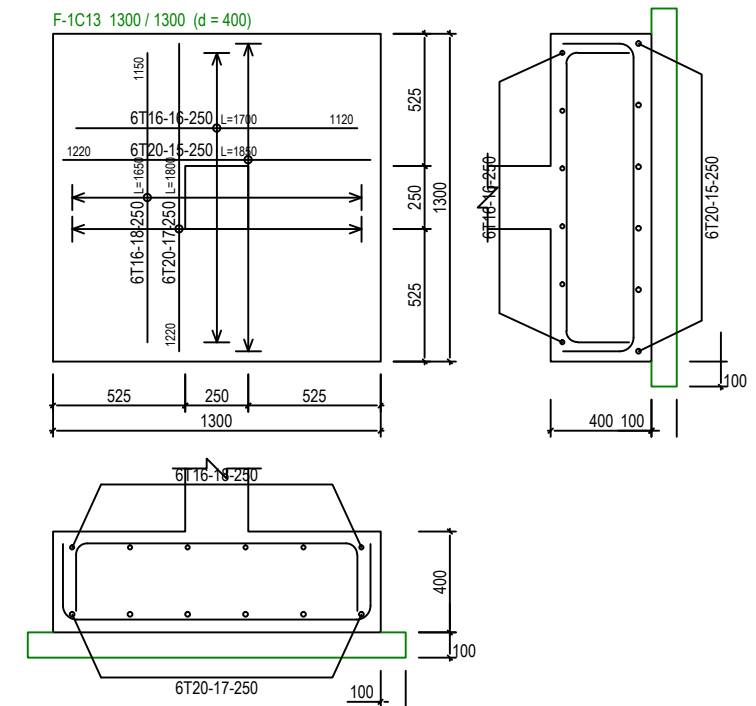
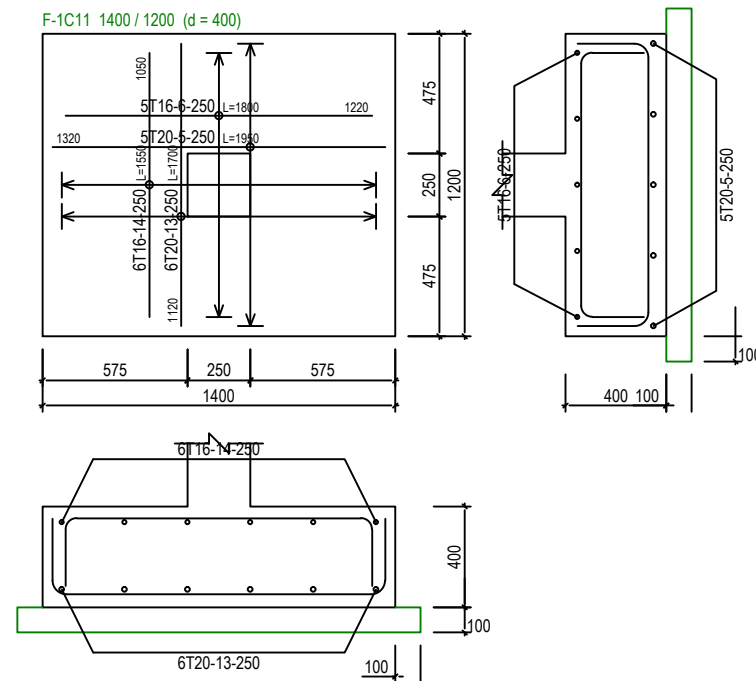
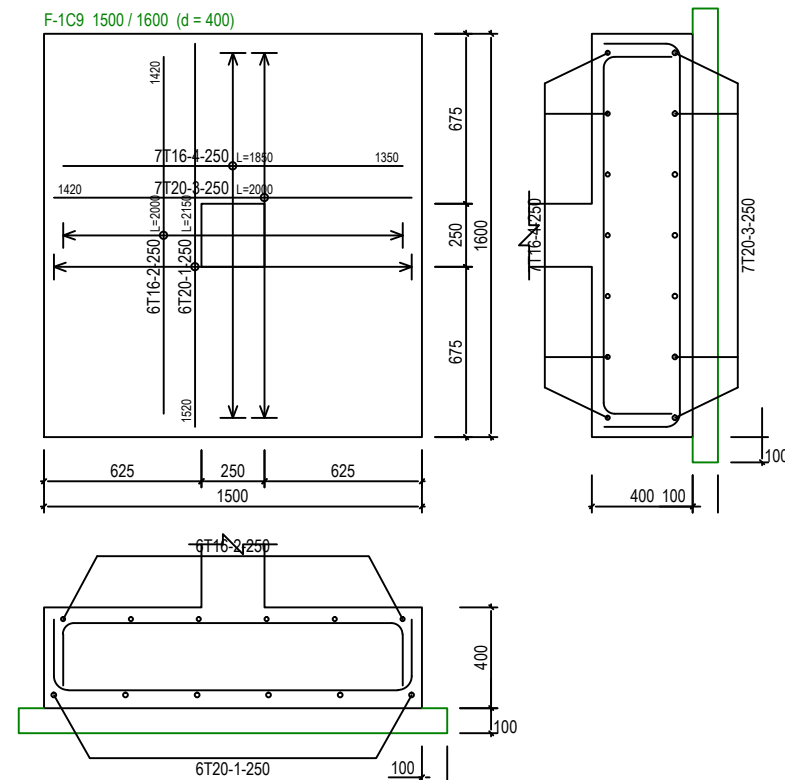
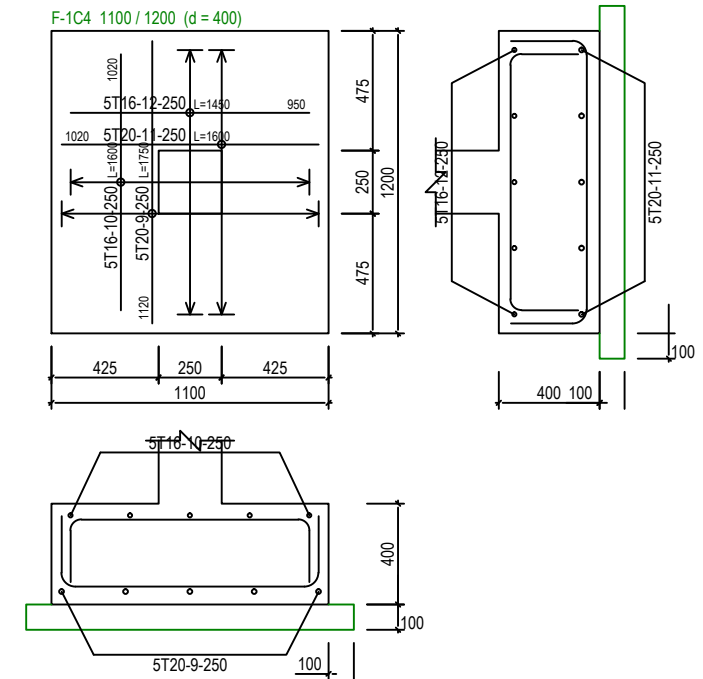
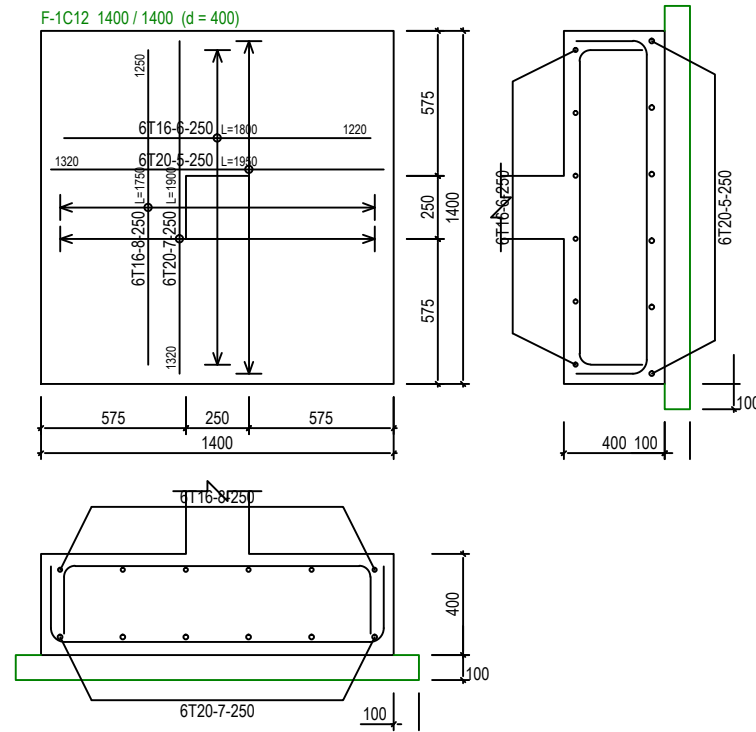
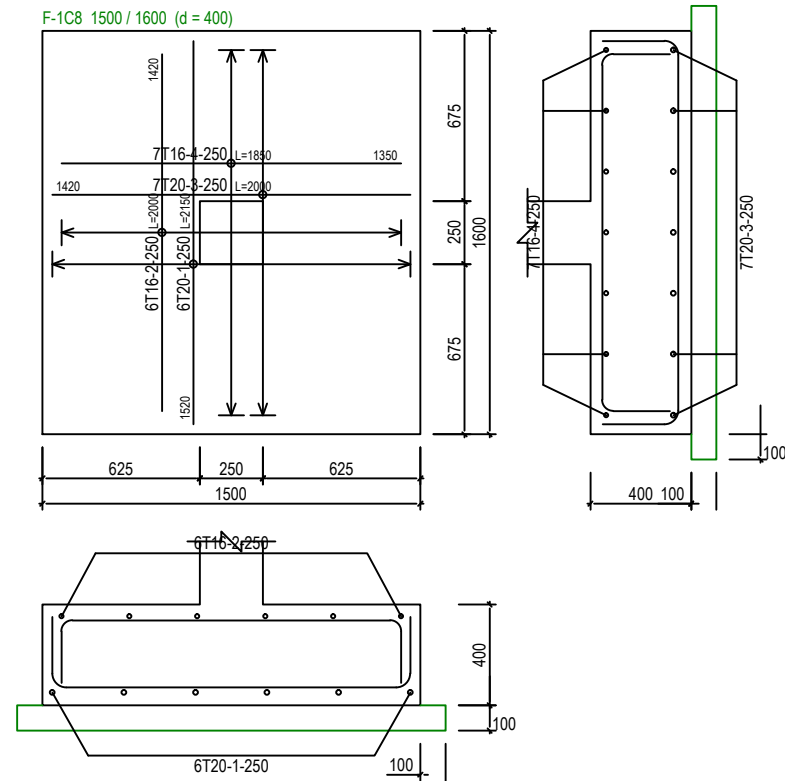
CLIENT:

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	14/09/2022

SCALE:
1:75

TITLE:
PAD FOOTING FOUNDATION LAYOUT PLAN [ALLOWABLE STRESS OF SOIL 200 kN/m²]
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/ST/CS - 103
REV:	



PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 200 kN/m²]

SCALE 1:30



SERI BUMI CONSULTANT
 CIVIL & STRUCTURAL ENGINEERING CONSULTANT
 No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
 21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
 TEL: 673-2427275 FAX: 673-2427279
 E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	DATE 14/09/2022

SCALE:

1:30

TITLE:

PAD FOOTING DETAILS - 1 [ALLOWABLE STRESS OF SOIL 200 kN/m²]

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
 BRUNEI DARUSSALAM (FOR 10 PERSONS)

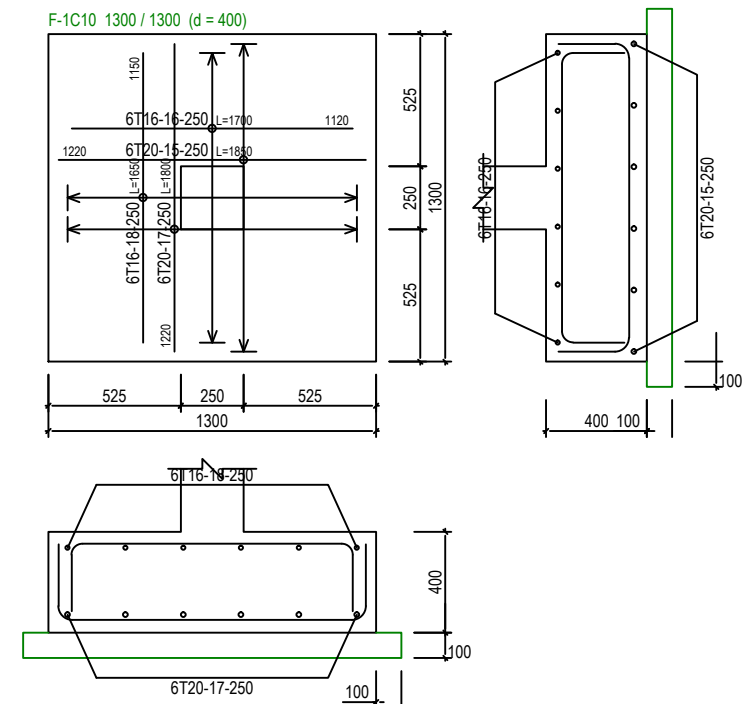
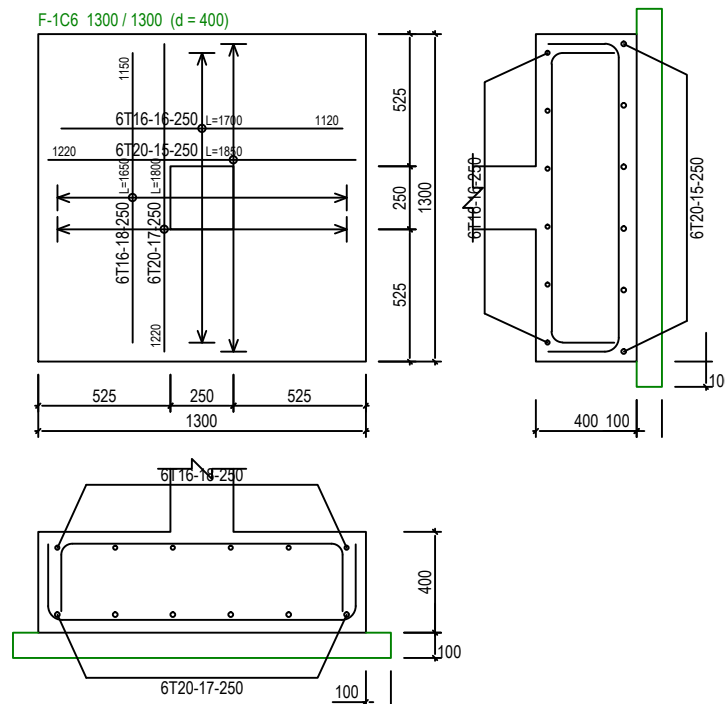
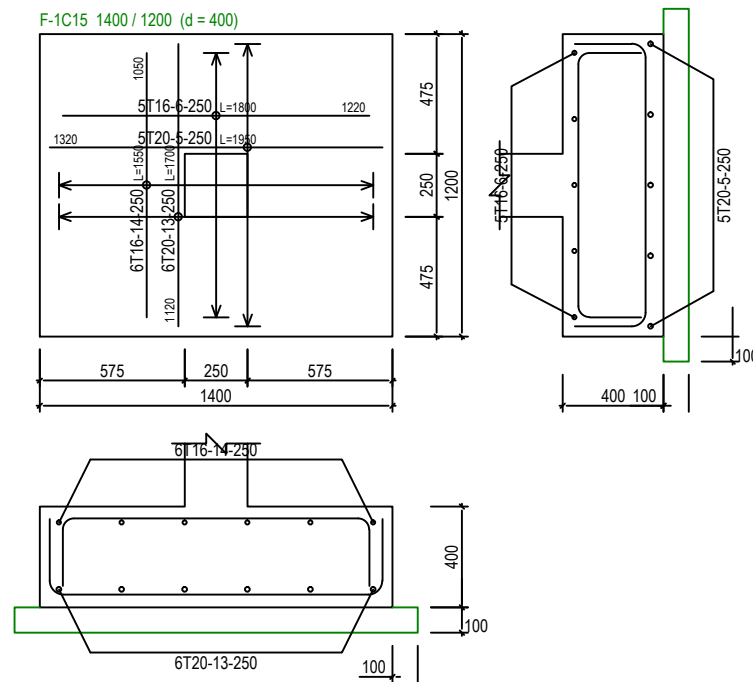
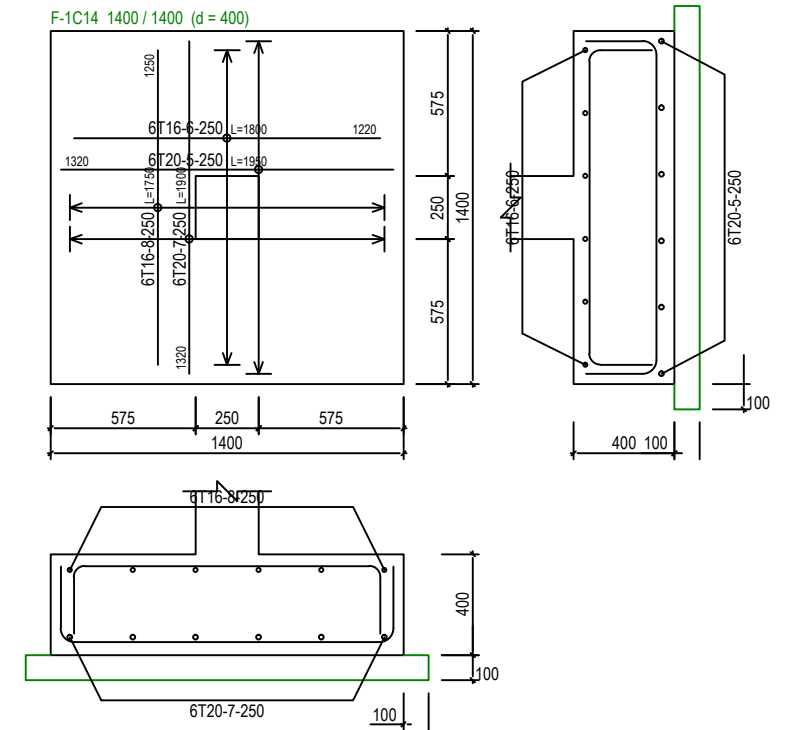
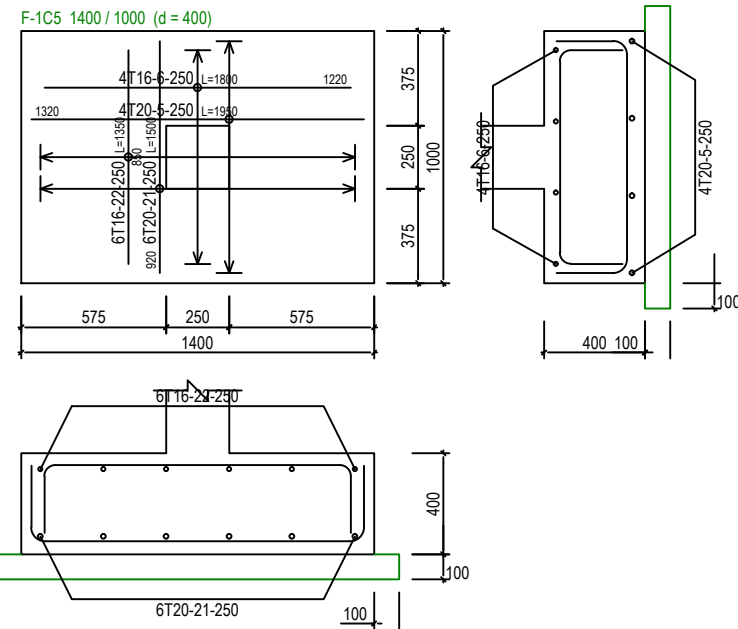
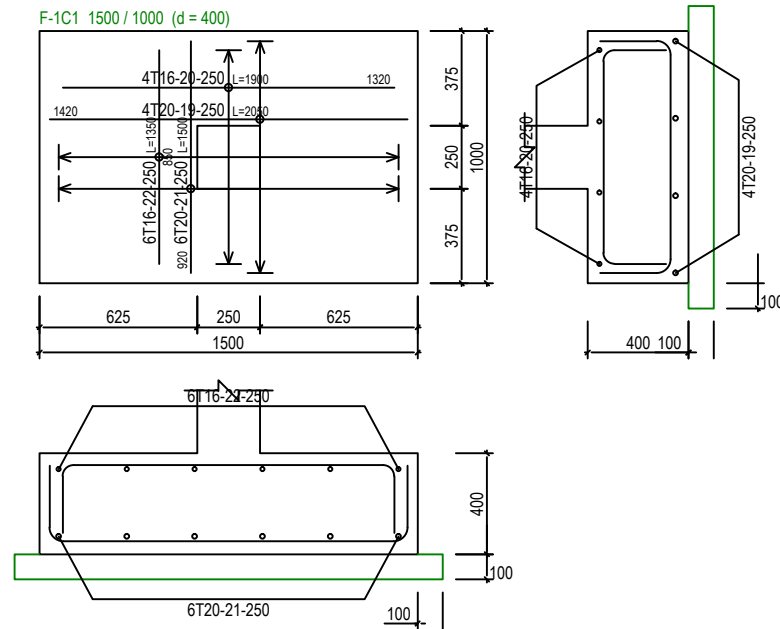
JOB NO:

SHEET NO:

DRAWING NO:

SBC/Q366/AFLQ/10P/ST/CS - 103A

REV:



PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 200 kN/m²]

SCALE 1:30



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	DATE 14/09/2022

SCALE:

1:30

TITLE:
PAD FOOTING DETAILS - 2 [ALLOWABLE STRESS OF SOIL 200 kN/m²]

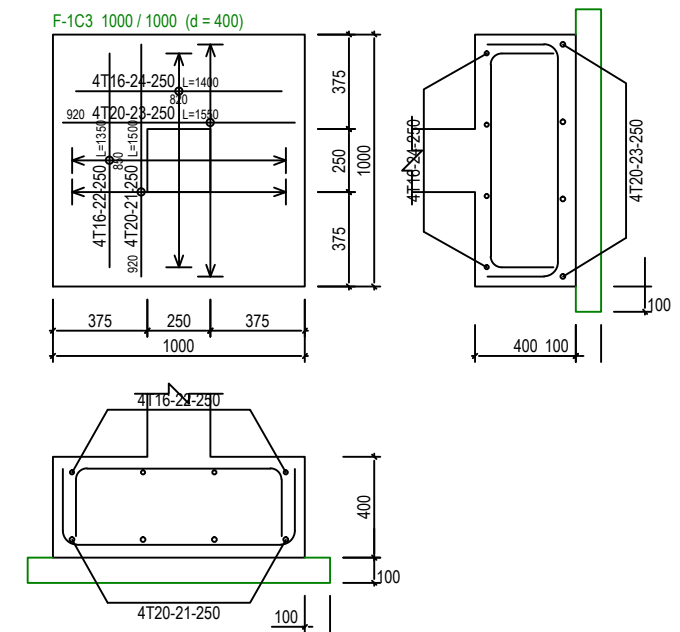
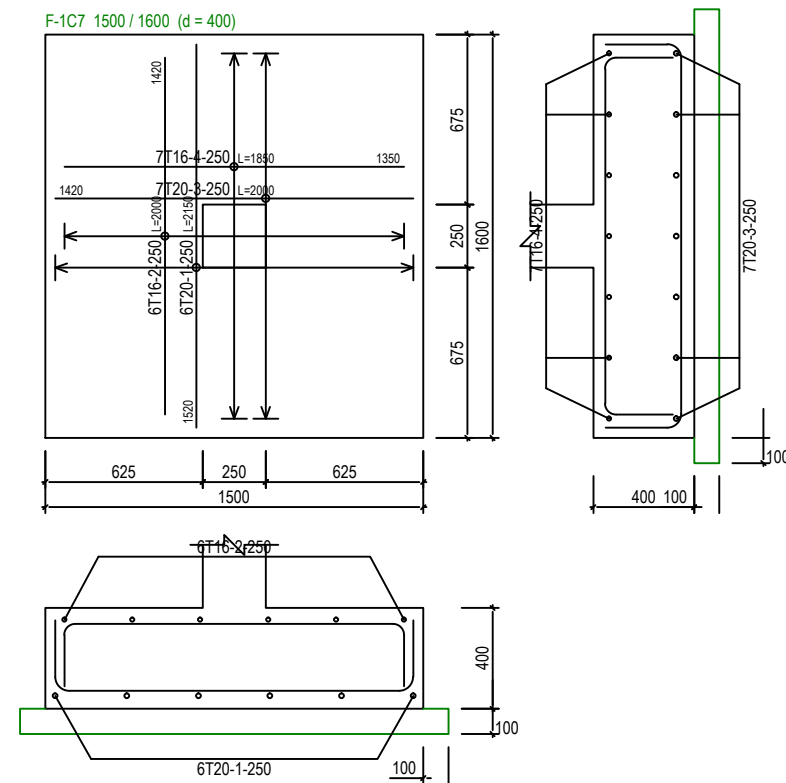
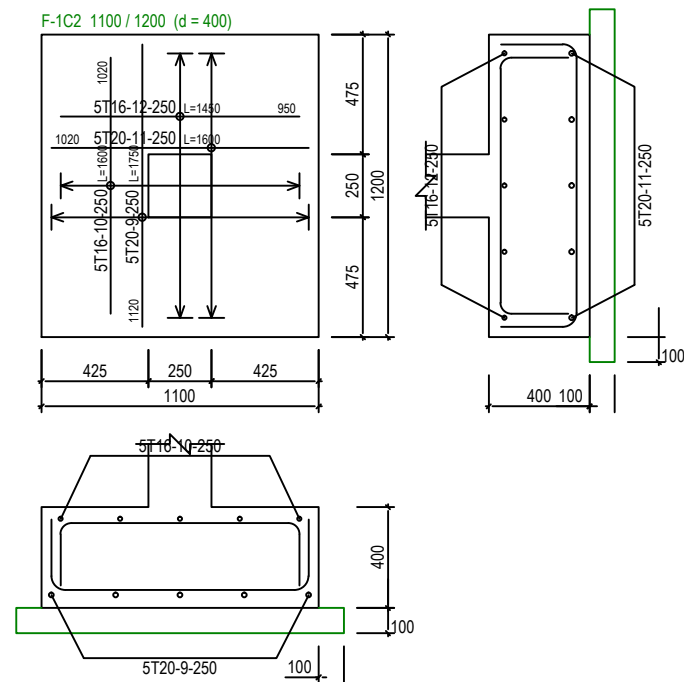
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:

SHEET NO:

DRAWING NO:
SBC/Q366/AFLQ/10P/ST/CS - 103B

REV:



PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 200 kN/m²] SCALE 1:30



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY

THAN ZAW TUN

DRAWN BY

SAI

CHECKED BY

MD. YUNUS

APPROVED BY

DATE

14/09/2022

SCALE:

1:30

TITLE:

PAD FOOTING DETAILS - 3 [ALLOWABLE STRESS OF SOIL 200 kN/m²]

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

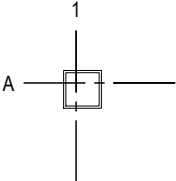
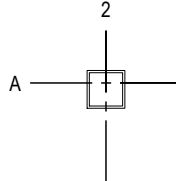
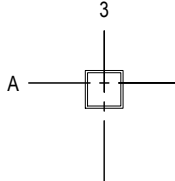
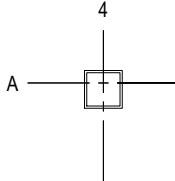
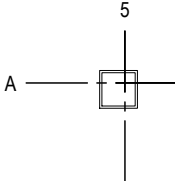
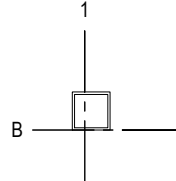
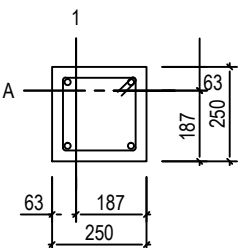
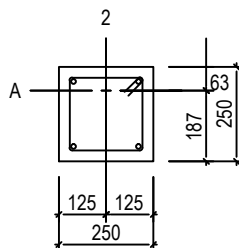
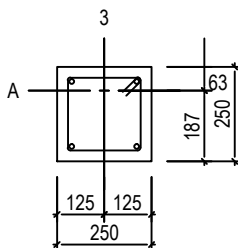
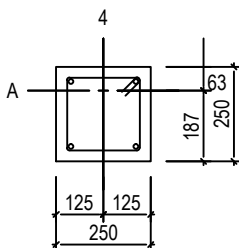
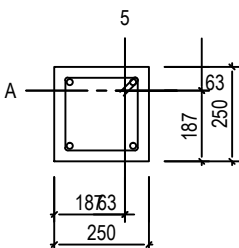
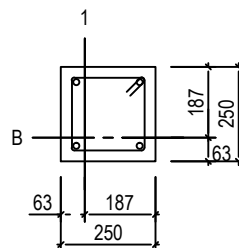
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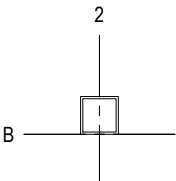
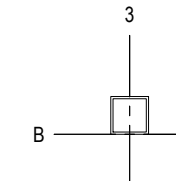
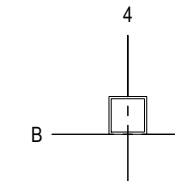
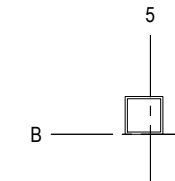
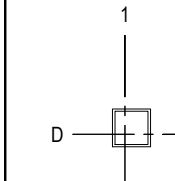
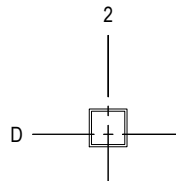
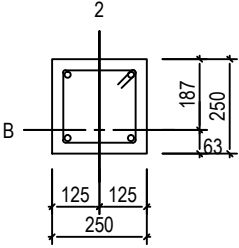
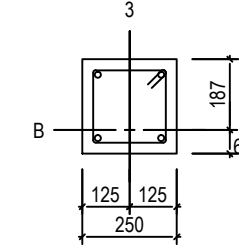
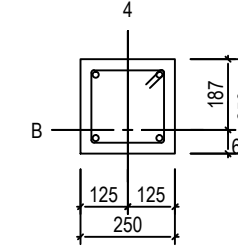
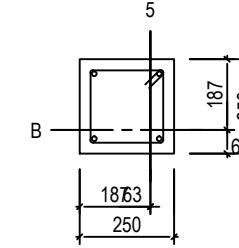
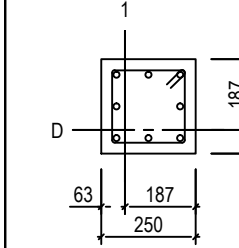
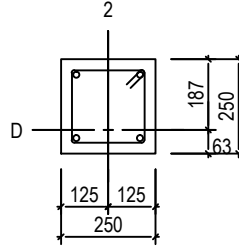
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DRAWING NO:

SBC/Q366/AFLQ/10P/ST/CS - 103C

REV:

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	 (250x250) 4T16 Link:T10-175	 (250x250) 4T12 Link:T10-125	 (250x250) 4T12 Link:T10-125	 (250x250) 4T12 Link:T10-125	 (250x250) 4T16 Link:T10-175	 (250x250) 4T16 Link:T10-175
	1C1	1C2	1C3	1C4	1C5	1C6

St: 2 (+4.00m)	B-2	B-3	B-4	B-5	D-1	D-2
St: 1 (+1.00m)	 [SHS 100x100x6]	 [SHS 100x100x6]	 [SHS 100x100x6]	 [SHS 100x100x6]	 [SHS 100x100x6]	 [SHS 100x100x6]
	 (250x250) 4T16 Link:T10-175	 (250x250) 4T16 Link:T10-175	 (250x250) 4T16 Link:T10-175	 (250x250) 4T12 Link:T10-125	 (250x250) 8T16 Link:T10-175	 (250x250) 4T16 Link:T10-175
	1C7	1C8	1C9	1C10	1C11	1C12



 SERI BUMI CONSULTANT CIVIL & STRUCTURAL ENGINEERING CONSULTANT No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG 21, JALAN GADONG, BSB, BRUNEI DARUSSALAM TEL: 673-2427275 FAX: 673-2427279 E-MAIL: sbc.brunei@gmail.com	CLIENT:				DESIGNED BY	THAN ZAW TUN	SCALE:	N.T.S	TITLE:	COLUMN SCHEDULE - 1	JOB NO:
					DRAWN BY	SAI			PROJECT:		SHEET NO:
					CHECKED BY	MD. YUNUS			PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)	DRAWING NO:	REV:
					APPROVED BY						
		NO.	AMENDMENTS	BY	DATE						

St: 2 (+4.00m)	D-3	D-4	D-5
St: 1 (+1.00m)			
	1C13	1C14	1C15



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY
THAN ZAW TUN
DRAWN BY
SAI
CHECKED BY
MD. YUNUS
APPROVED BY

DATE
14/09/2022

SCALE:

N.T.S

TITLE:

COLUMN SCHEDULE - 2

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

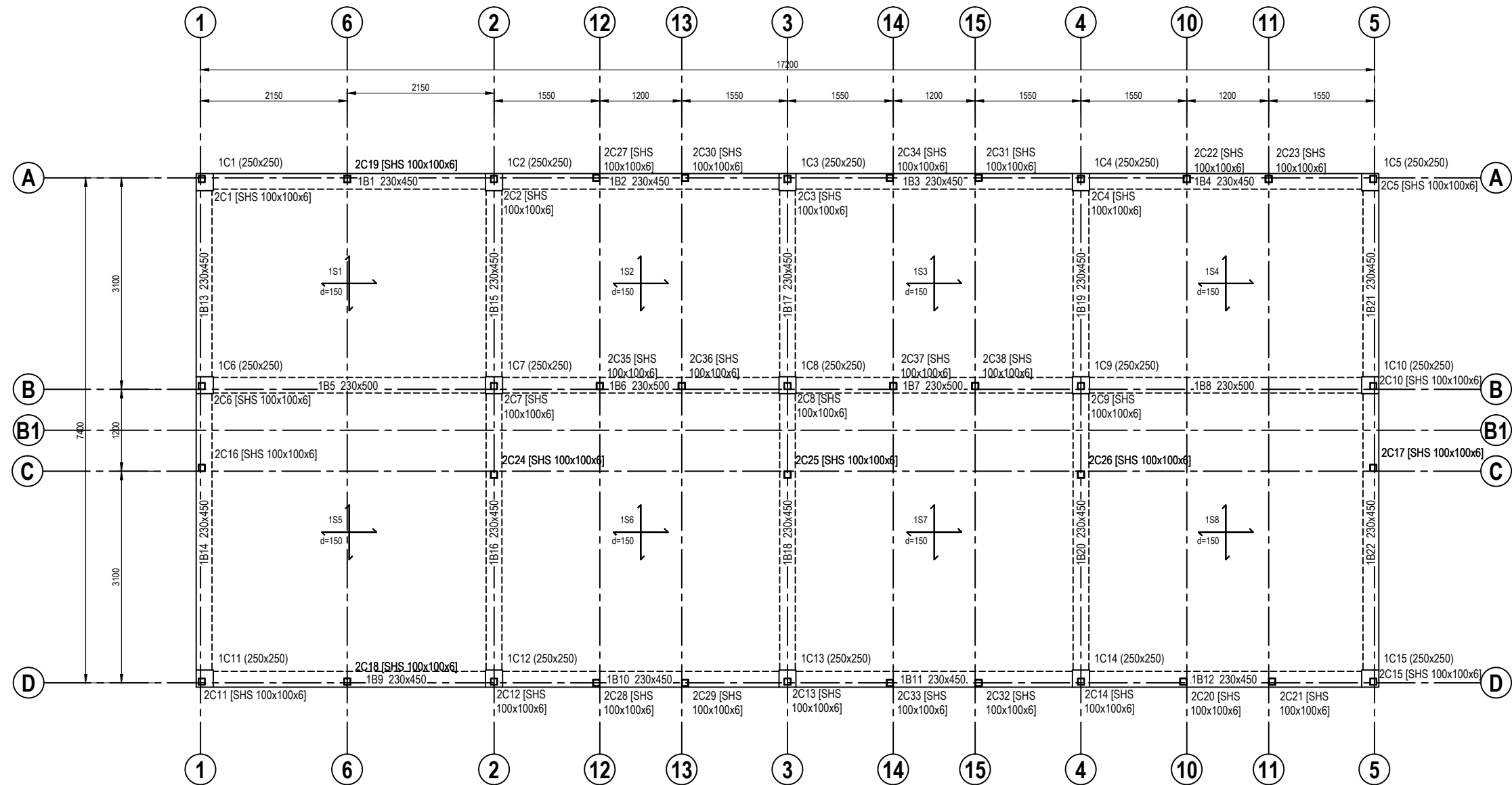
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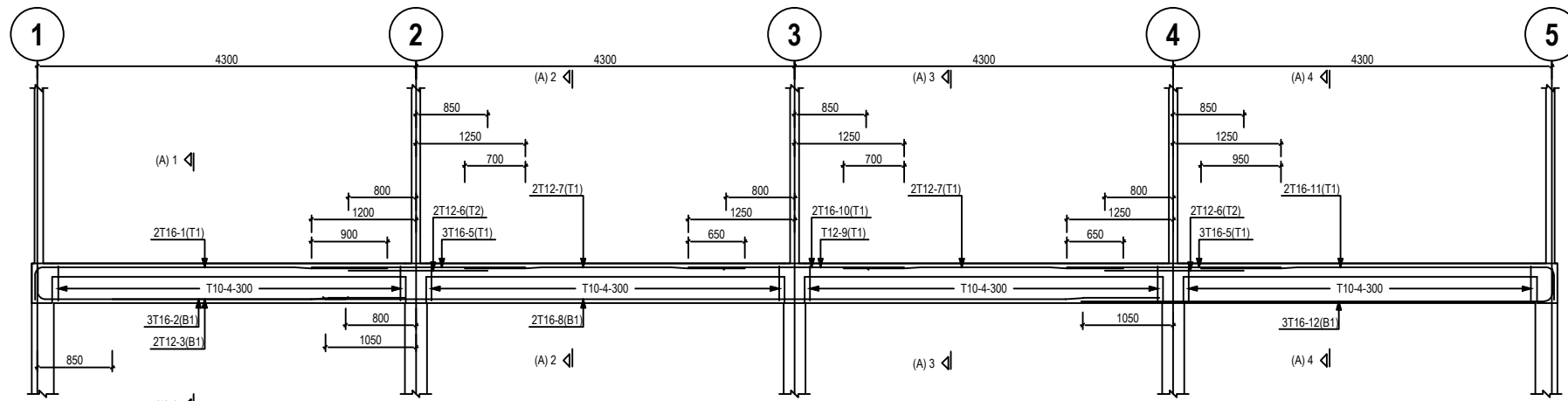
SBC/Q366/AFLQ/10P/ST/CS - 105

REV:



GROUND FLOOR BEAM LAYOUT PLAN
SCALE 1 : 75

(sbc) SERI BUMI CONSULTANT CIVIL & STRUCTURAL ENGINEERING CONSULTANT No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG 21, JALAN GADONG, BSB, BRUNEI DARUSSALAM TEL: 673-2427275 FAX: 673-2427279 E-MAIL: sbc.brunei@gmail.com CLIENT: <td></td> <td></td> <td></td> <td></td> <td>DESIGNED BY</td> <td>THAN ZAW TUN</td> <td></td> <td rowspan="5">SCALE: 1:75</td> <td rowspan="5">TITLE: GROUND FLOOR BEAM LAYOUT PLAN</td> <td colspan="2">JOB NO:</td>					DESIGNED BY	THAN ZAW TUN		SCALE: 1:75	TITLE: GROUND FLOOR BEAM LAYOUT PLAN	JOB NO:	
					DRAWN BY	SAI				SHEET NO:	
					CHECKED BY	MD. YUNUS				DRAWING NO:	
					APPROVED BY		DATE			SBC/Q366/AFLQ/10P/ST/CS - 200	
							14/09/2022			REV:	
	NO.	AMENDMENTS		BY	DATE						

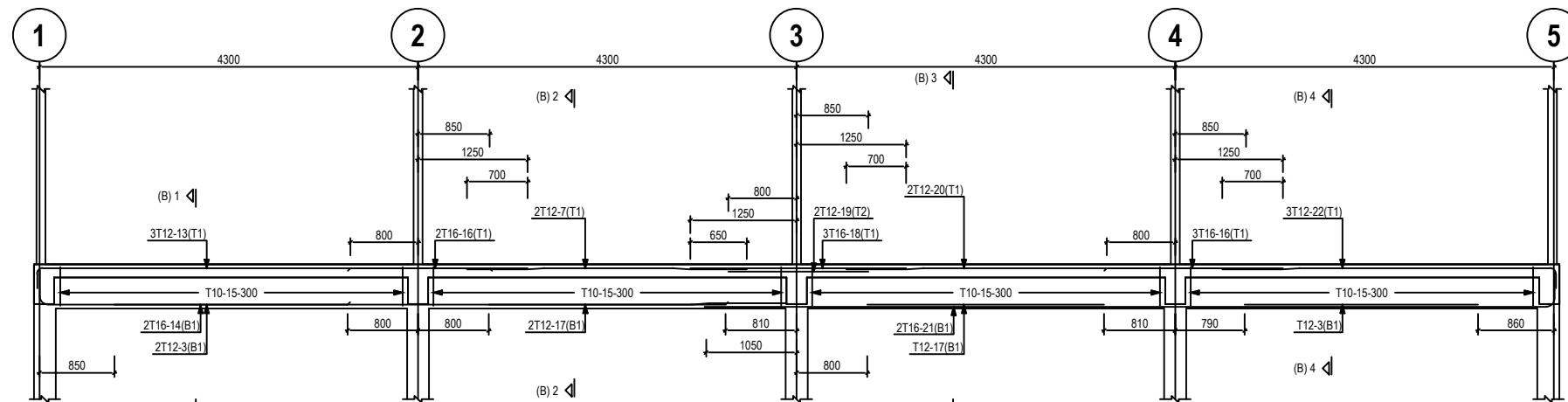
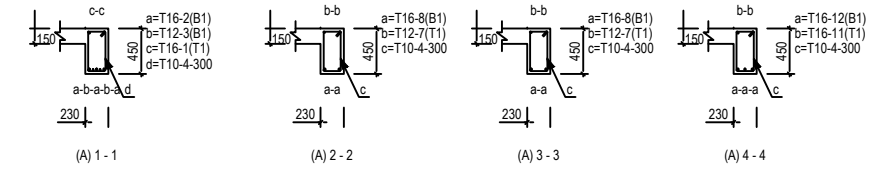


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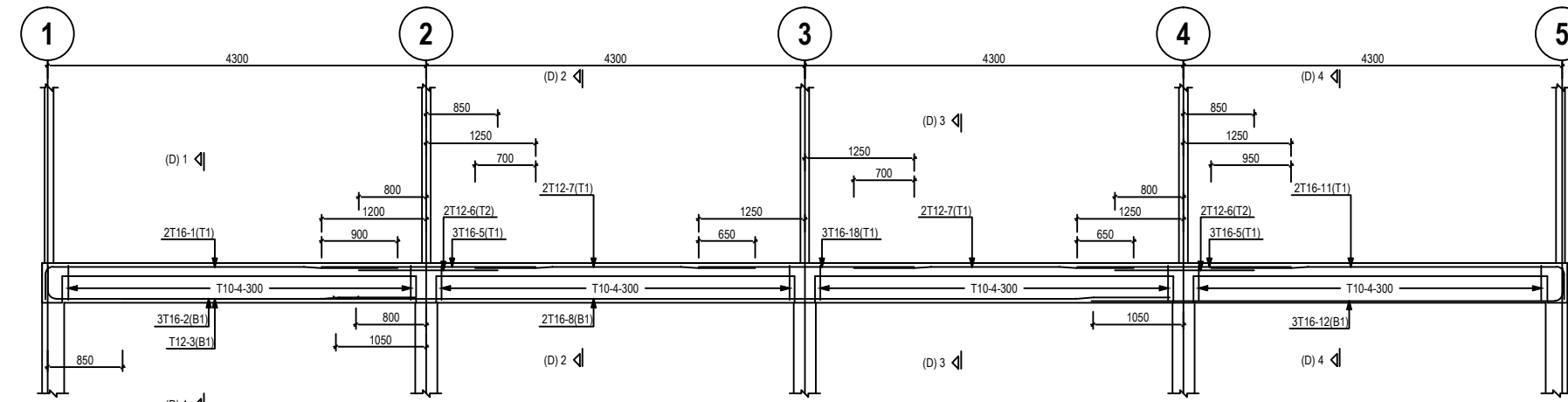
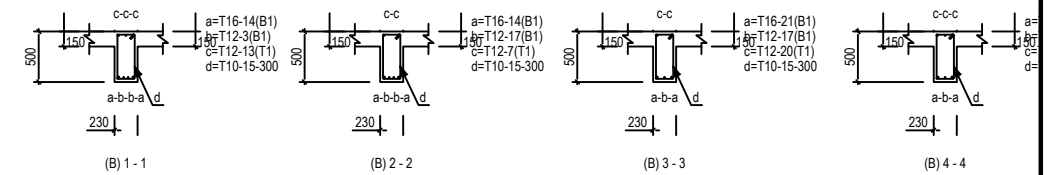


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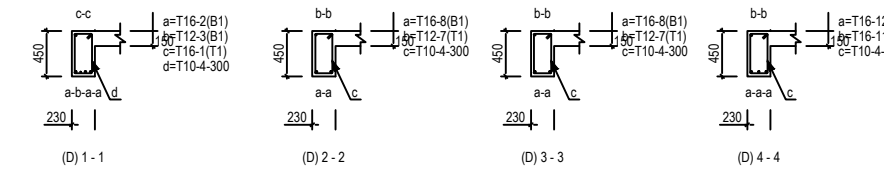


1B9 (230x450)

1B10 (230x450)

1B11 (230x450)

1B12 (230x450)



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TEL: 673-2427275 FAX: 673-2427279
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CLIENT:

NO.	AMENDMENTS	BY	DATE

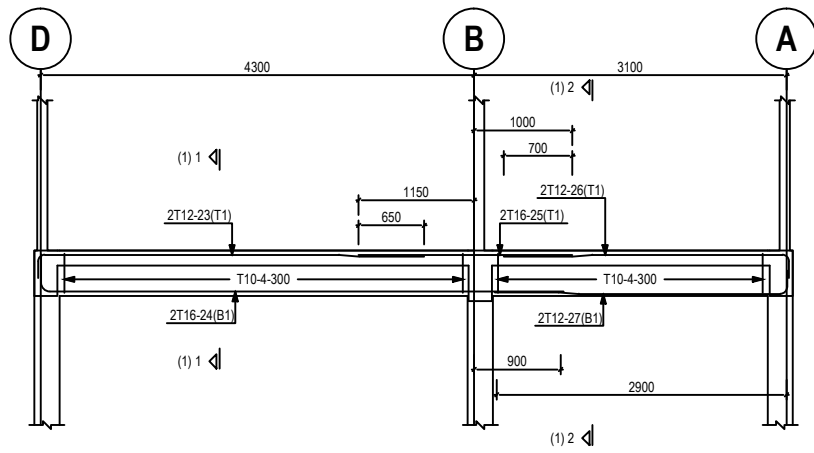
DESIGNED BY	THAN ZAW TUN	
DRAWN BY	SAI	
CHECKED BY	MD. YUNUS	
APPROVED BY		DATE 14/09/2022

SCALE:

N.T.S

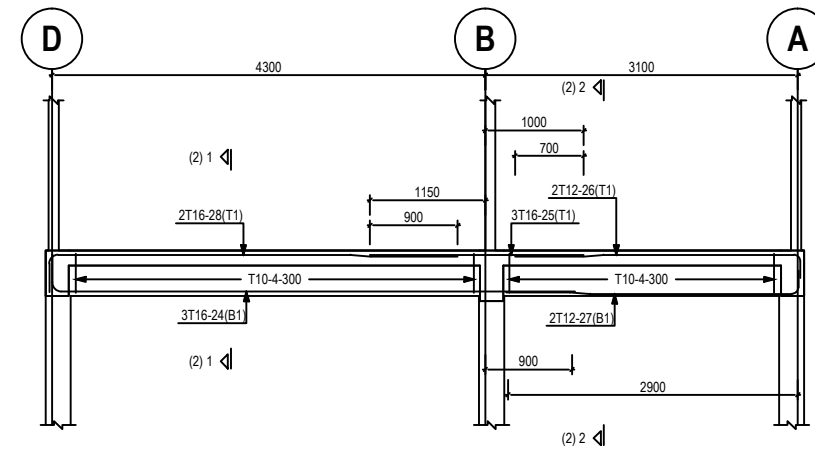
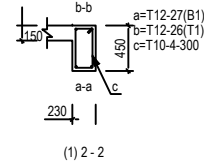
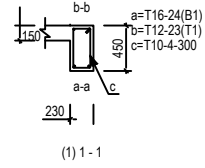
TITLE:	GROUND FLOOR BEAM DETAIL - 1
PROJECT:	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/ST/CS - 201
REV:	



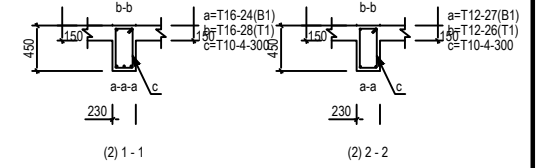
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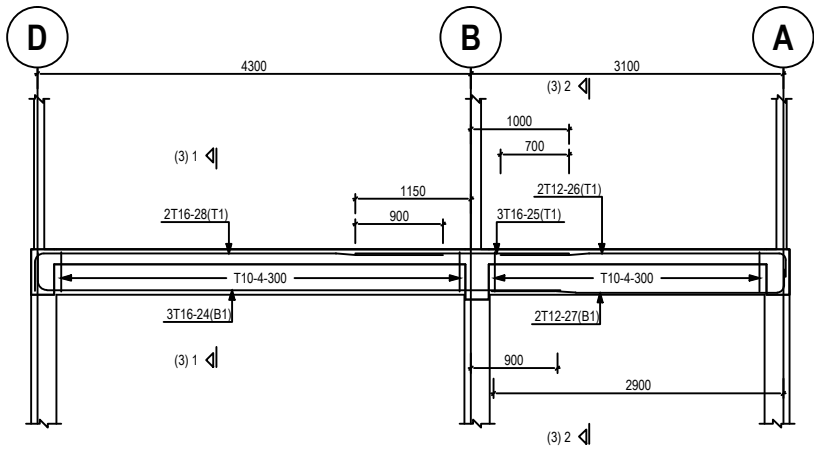


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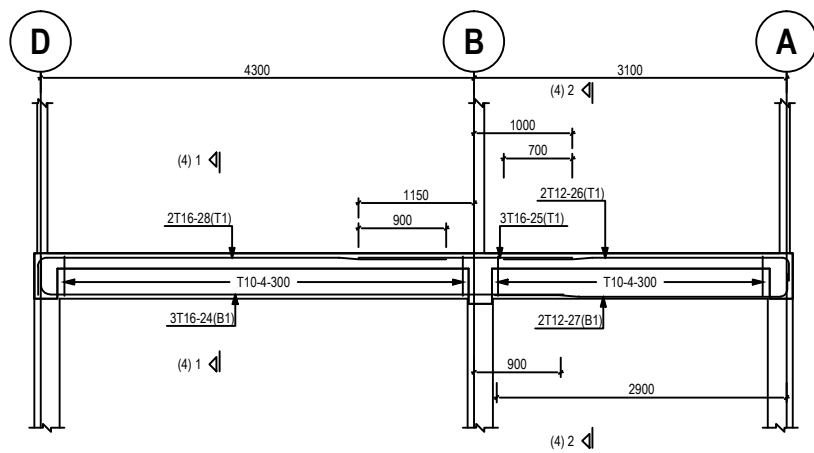
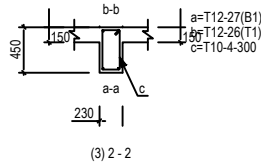
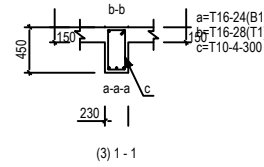


(2) 2 - 2



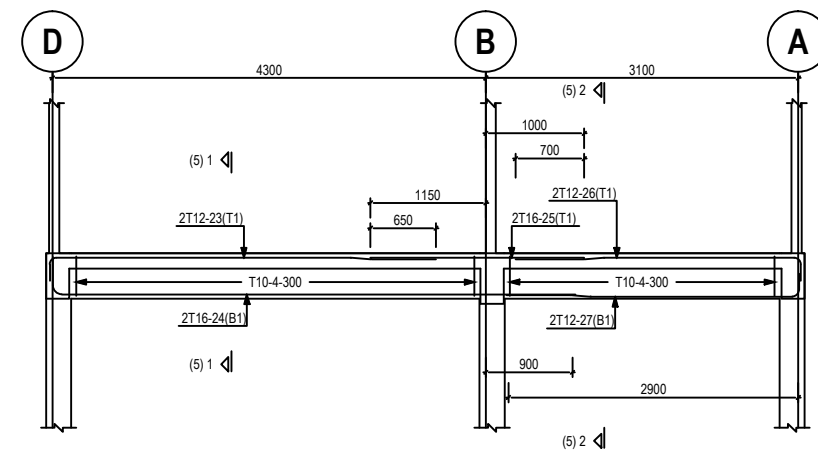
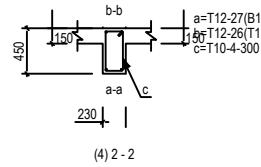
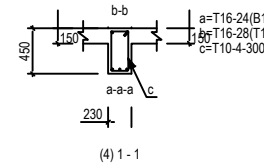
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1B17 (230x450)



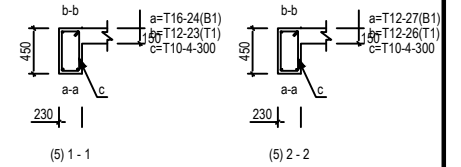
1B20 (230x450)

1B19 (230x450)



1B22 (230x450)

1B21 (230x450)



(5) 2 - 2



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

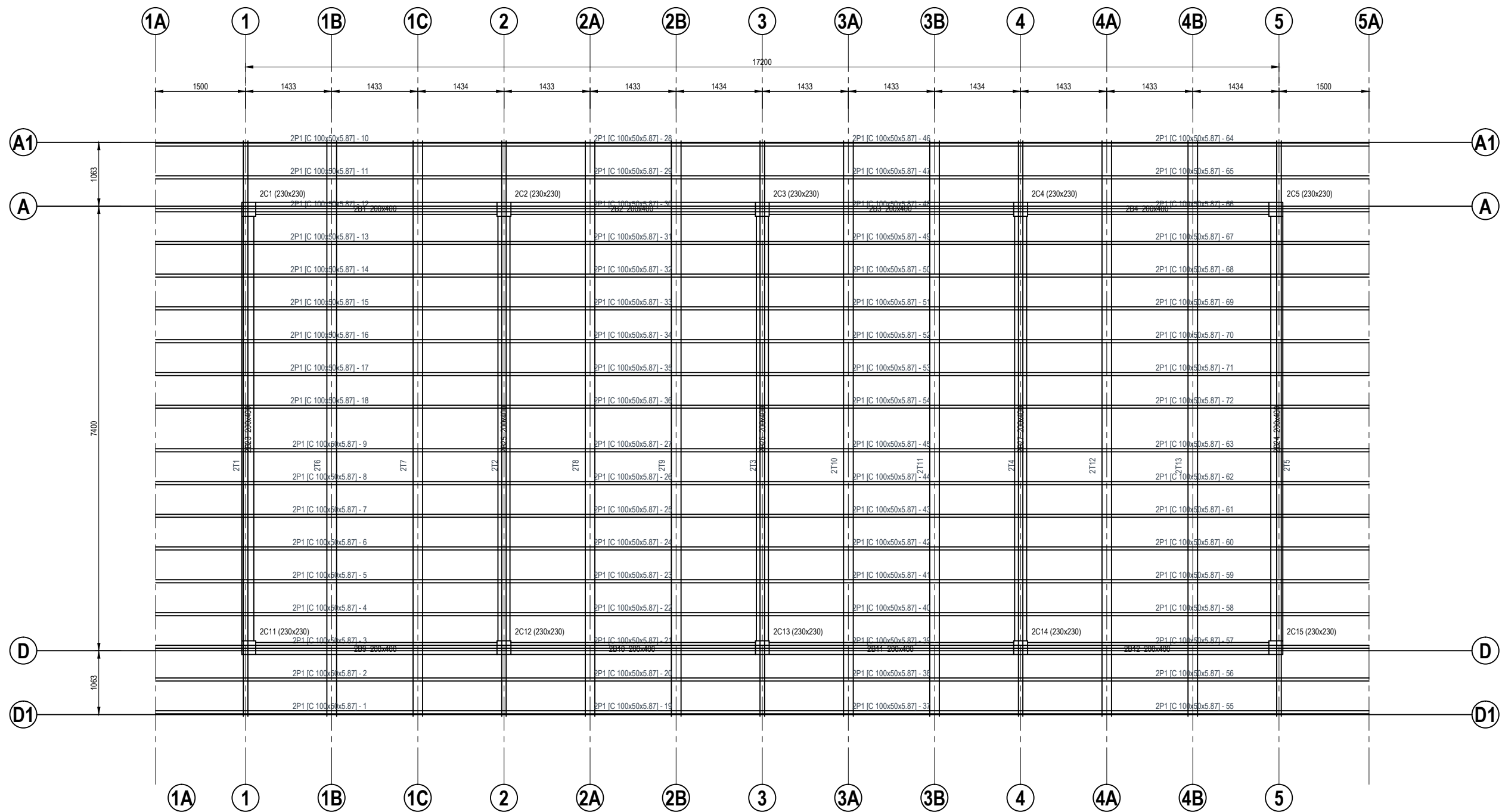
NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN	
DRAWN BY	SAI	
CHECKED BY	MD. YUNUS	
APPROVED BY		DATE 14/09/2022

SCALE:
N.T.S

TITLE:	GROUND FLOOR BEAM DETAIL - 2
PROJECT:	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/ST/CS - 202
REV:	



ROOF TRUSSES LAYOUT PLAN
SCALE 1 : 75



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21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	

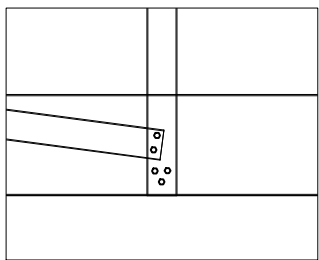
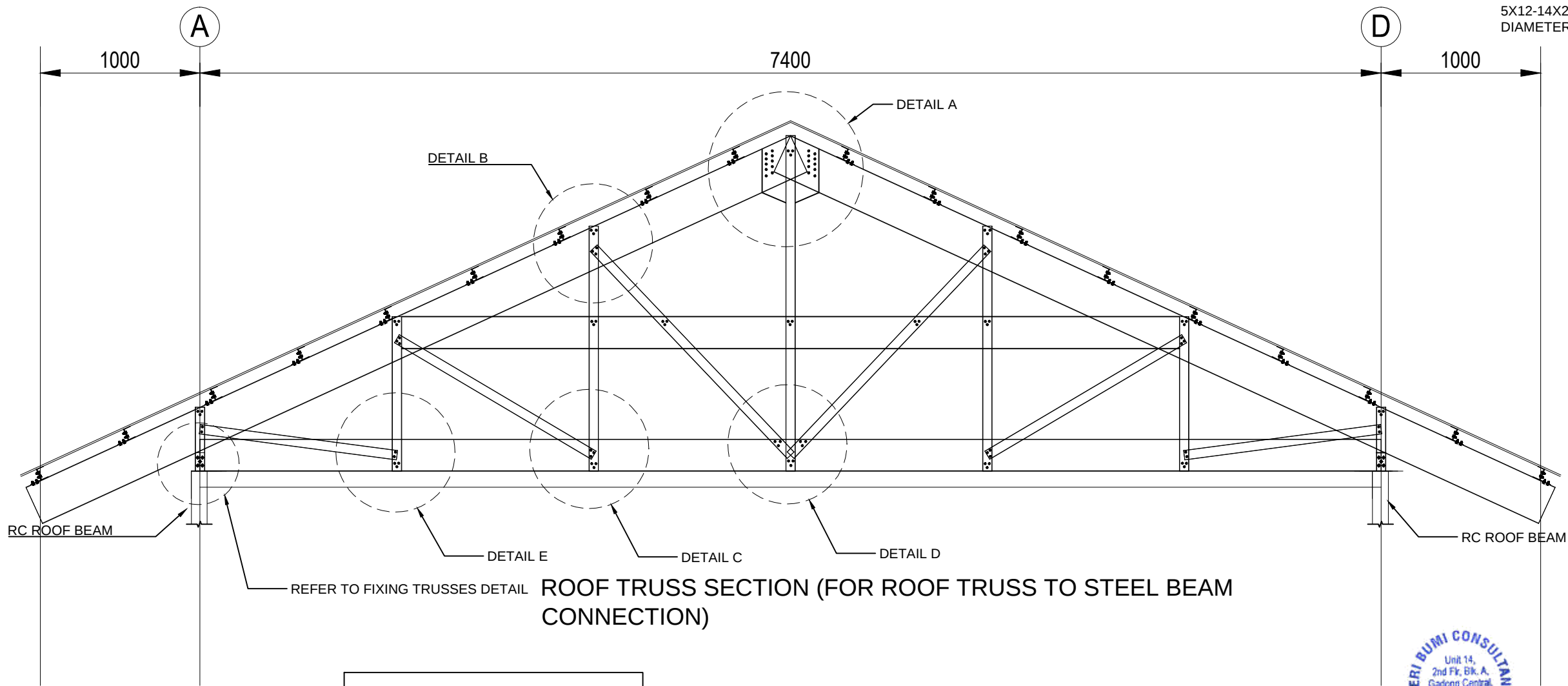
DATE
17/09/2022

SCALE:
1:75

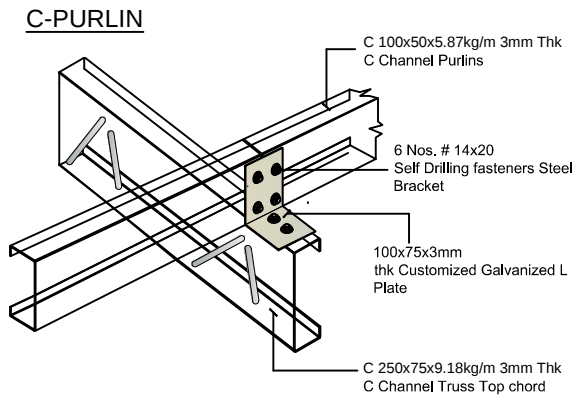
TITLE:
ROOF BEAM LAYOUT PLAN
PROJECT:
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/ST/CS - 400
REV:	

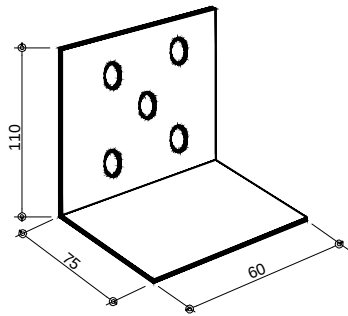
NOTE:
- ONLY SUITABLE AND APPROVED SCREWS BY APPOINTED SUPERVISION CONSULTANT TO BE USED FOR ROOF TRUSSES MEMBERS CONNECTION.
- EXAMPLE OF SCREW LABELLING FOR VARIOUS JOINTS
5X12-14X20 MEANS 5 NOS OF 12 TO 14MM DIAMETER OF 20MM LENGTH SCREW TYPE.



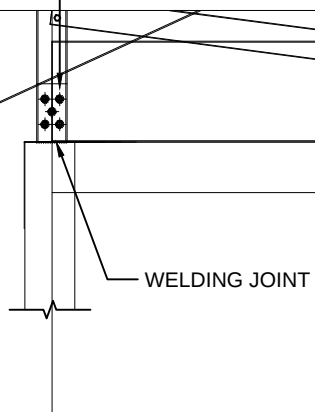
DETAIL E
5 x 12-14 x 20
SCREW



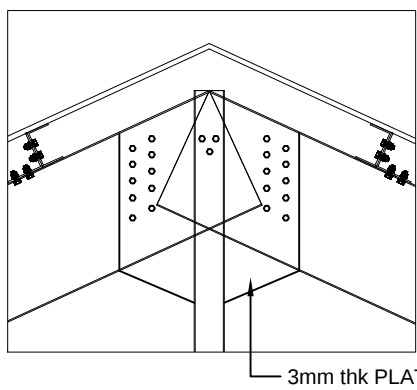
TYPICAL BRACKET 3mm (FOR
HEEL FIXINGS)



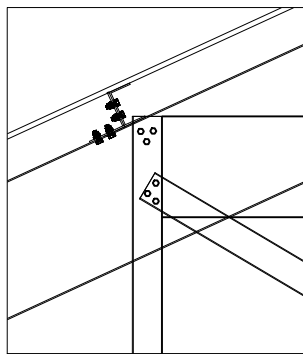
L110x60x75 3mm THK BRACKET FIXED TO WALL
PLATE WITH 5 x 12-14 x 20 FASTENERS



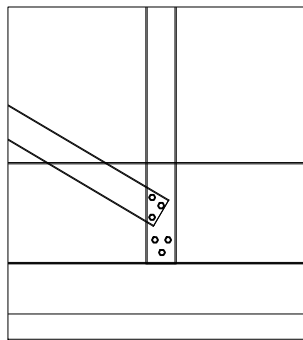
FIXING TRUSSES
(HEEL JOINT)



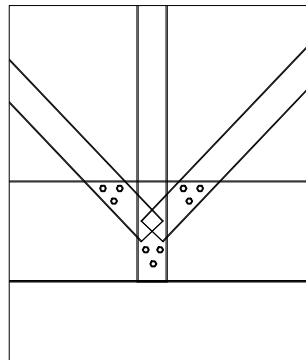
DETAIL A
23 x 12-14 x 20
SCREW



DETAIL B
6 x 12-14 x 20
SCREW



DETAIL C
6 x 12-14 x 20
SCREW



DETAIL D
9 x 12-14 x 20
SCREW



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No. 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, BSB, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunei@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY
DRAWN BY
CHECKED BY
APPROVED BY

THAN ZAW TUN
SAI
MD. YUNUS

DATE
20/09/2022

SCALE:

N.T.S

TITLE:

ROOF TRUSSES AND PURLIN CONNECTIONS DETAILS
(FOR ROOF TRUSS TO STEEL BEAM CONNECTION)

PROJECT:

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS,
BRUNEI DARUSSALAM (FOR 10 PERSONS)

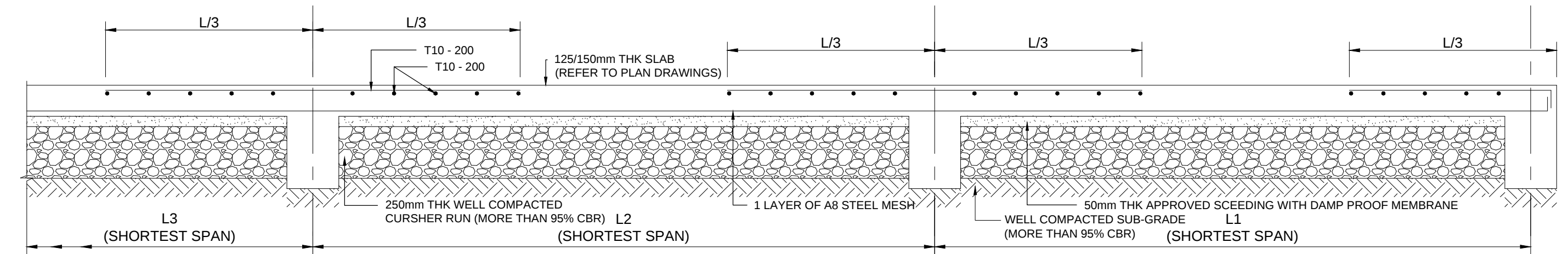
JOB NO:

SHEET NO:

DRAWING NO:

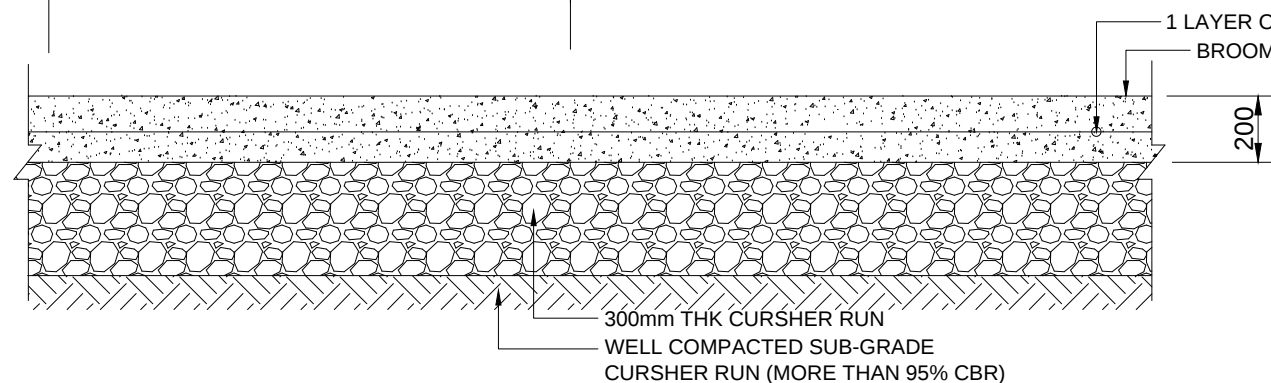
SBC/Q366/AFLQ/10P/ST/CS - 402

REV:



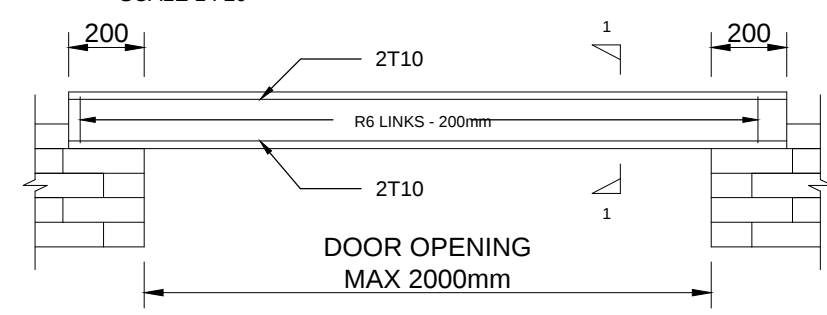
TYPICAL GROUND FLOOR SLAB DETAIL

SCALE 1 : 20



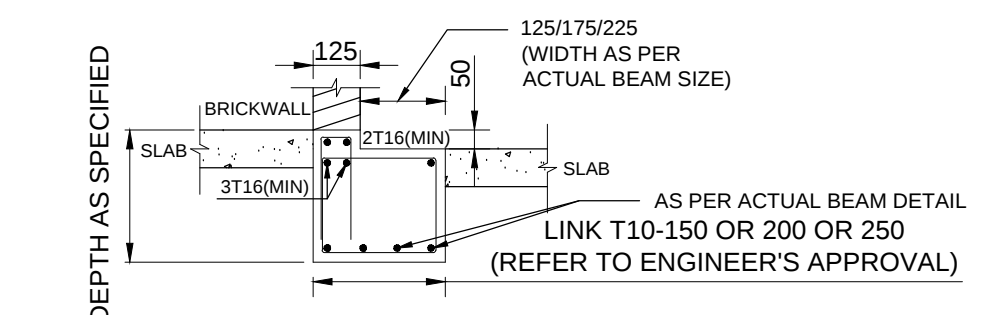
TYPICAL NON SUSPENDED SLAB DETAIL

SCALE 1 : 20

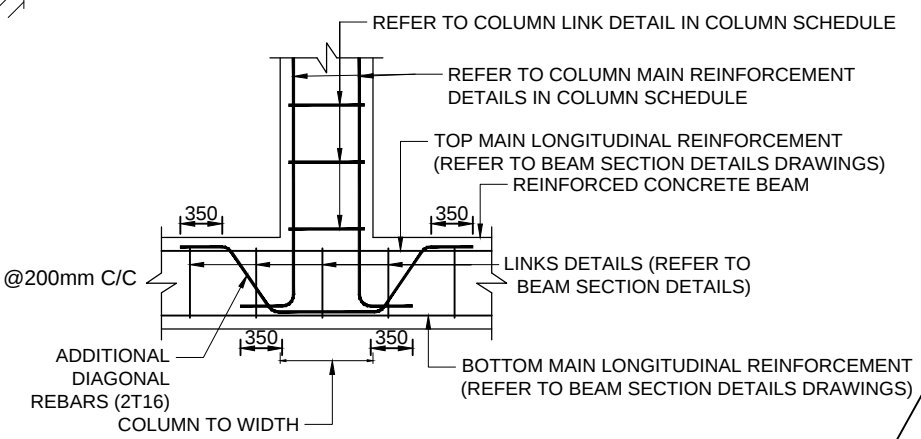


TYPICAL LINTEL BEAM DETAIL

SCALE 1 : 20

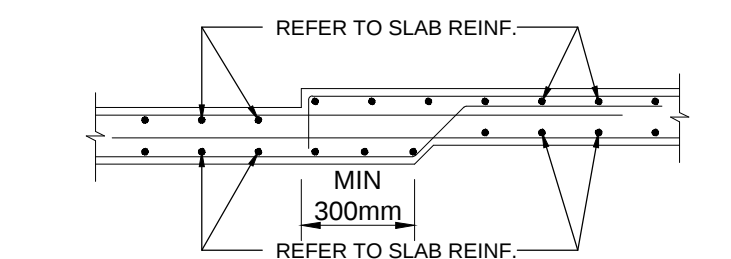


APPROXIMATE & TYPICAL BEAM DETAIL FOR 50mm OR 100mm DROP WHICH NEEDS TO BE ALIGNED/COORDINATED WITH ARCHITECT'S DRAWINGS.



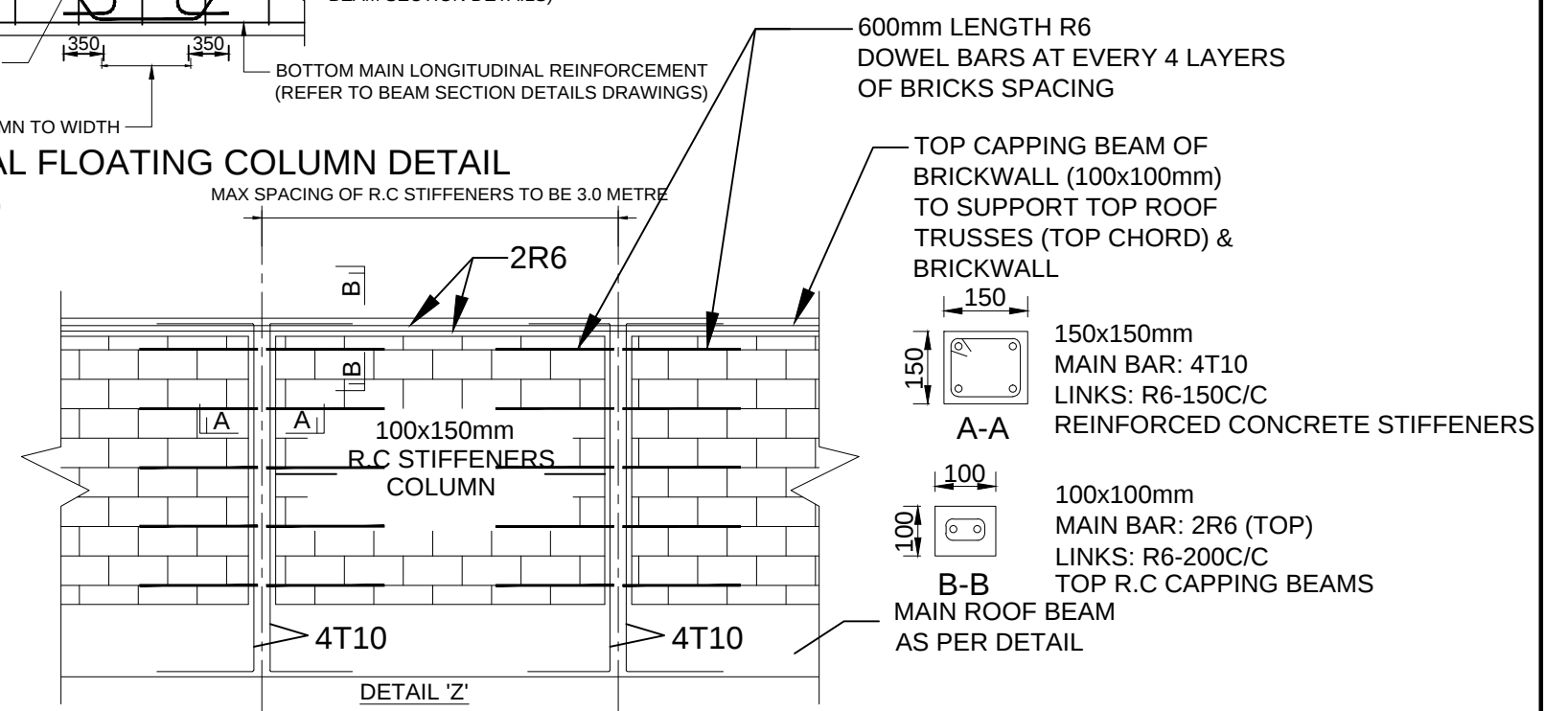
TYPICAL FLOATING COLUMN DETAIL

SCALE 1 : 20



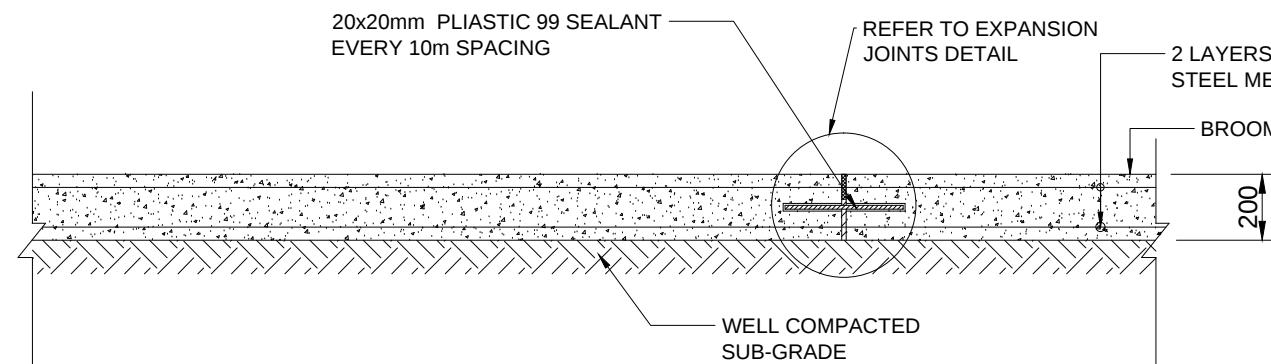
TYPICAL SLAB DETAIL AT DROP AREA

SCALE 1 : 20



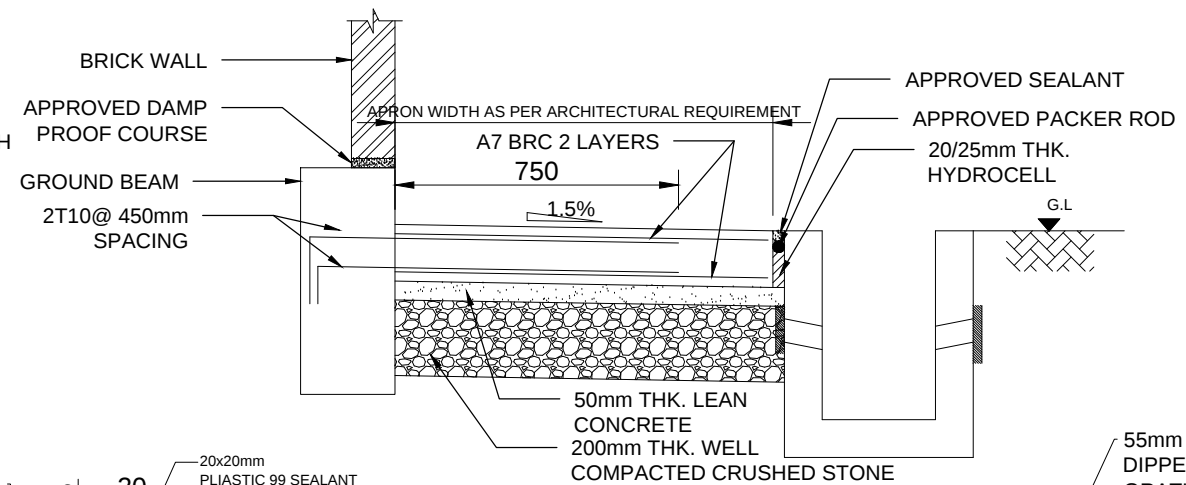
TYPICAL REINFORCED CONCRETE STIFFENER COLUMNS & CAPPING BEAMS DETAILS

 SERI BUMI CONSULTANT CIVIL & STRUCTURAL ENGINEERING CONSULTANT No: 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG 21, JALAN GADONG, SSB, BRUNEI DARUSSALAM TEL: 673-2427275 FAX: 673-2427279 E-MAIL: sbc.brunel@gmail.com	CLIENT:									DESIGNED BY	THAN ZAW TUN		SCALE: 1:20	TITLE: MISCELLANEOUS DETAILS 1	JOB NO:			
										DRAWN BY	SAI				SHEET NO:			
										CHECKED BY	MD. YUNUS				DRAWING NO:			
										APPROVED BY		DATE			14/09/2022	REV:		
					NO.	AMENDMENTS	BY	DATE							PROJECT: PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)		SBC/Q366/AF/Q10P/ST/MISC-100	



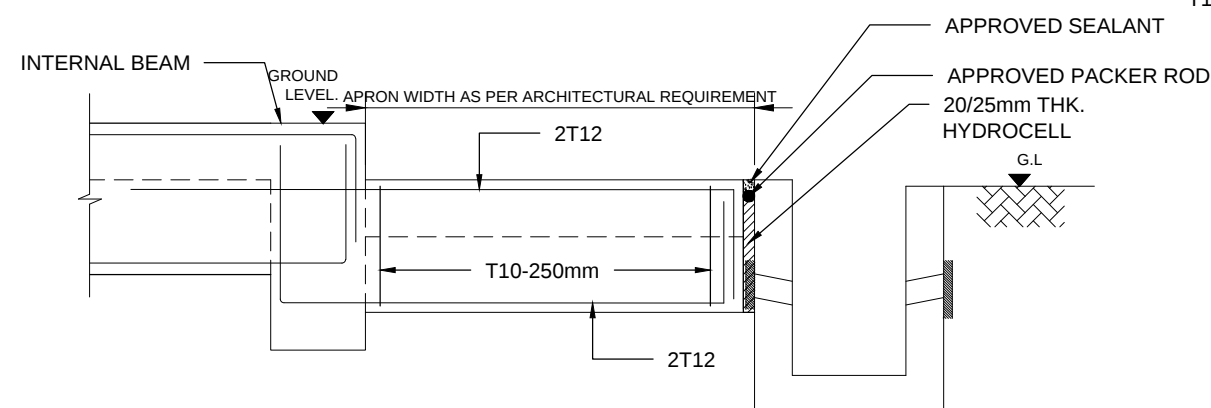
TYPICAL ACCESS ROAD DETAIL/CAR PARK SLAB DETAIL

SCALE 1 : 20



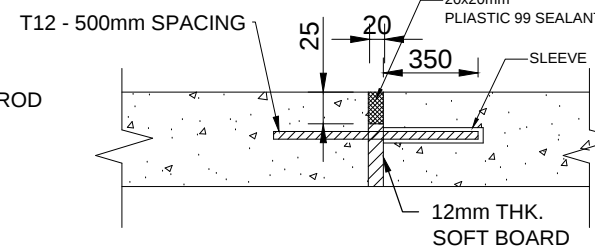
TYPICAL APRON SLAB DETAIL

SCALE 1 : 20



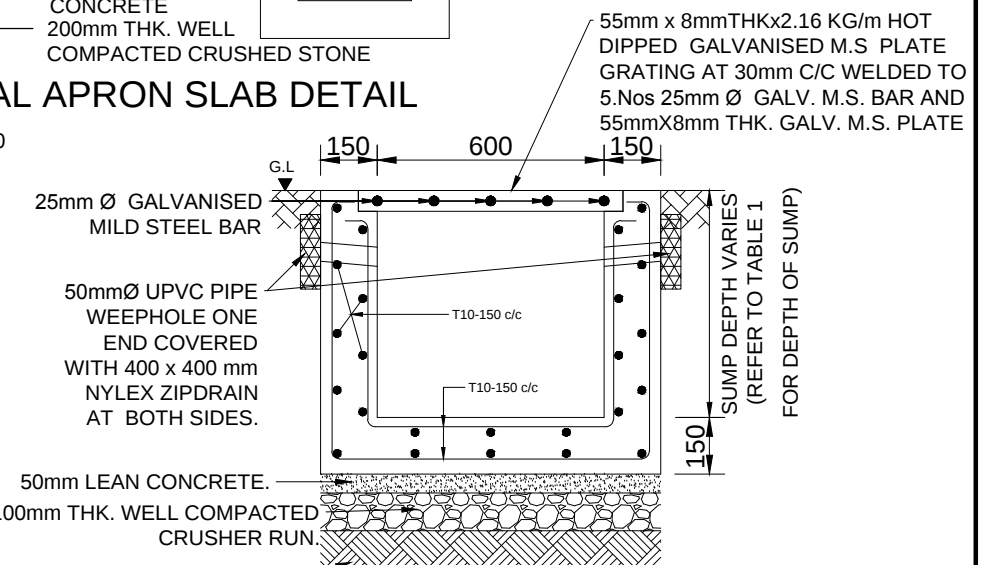
TYPICAL APRON BEAM DETAIL (200x450)

SCALE 1 : 20



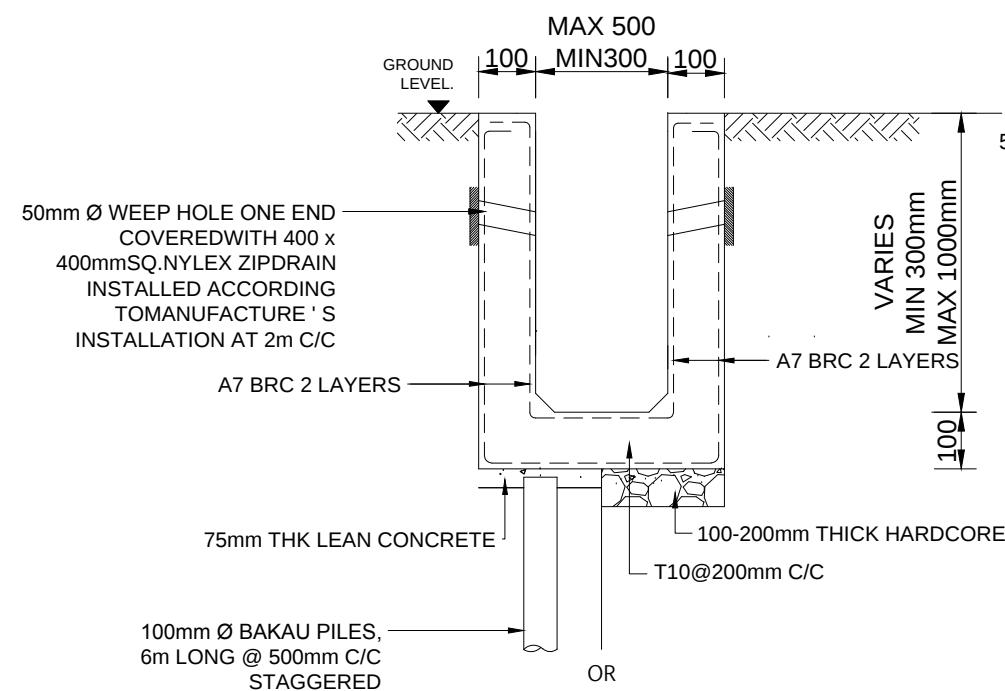
EXPANSION JOINTS DETAIL

SCALE 1 : 20



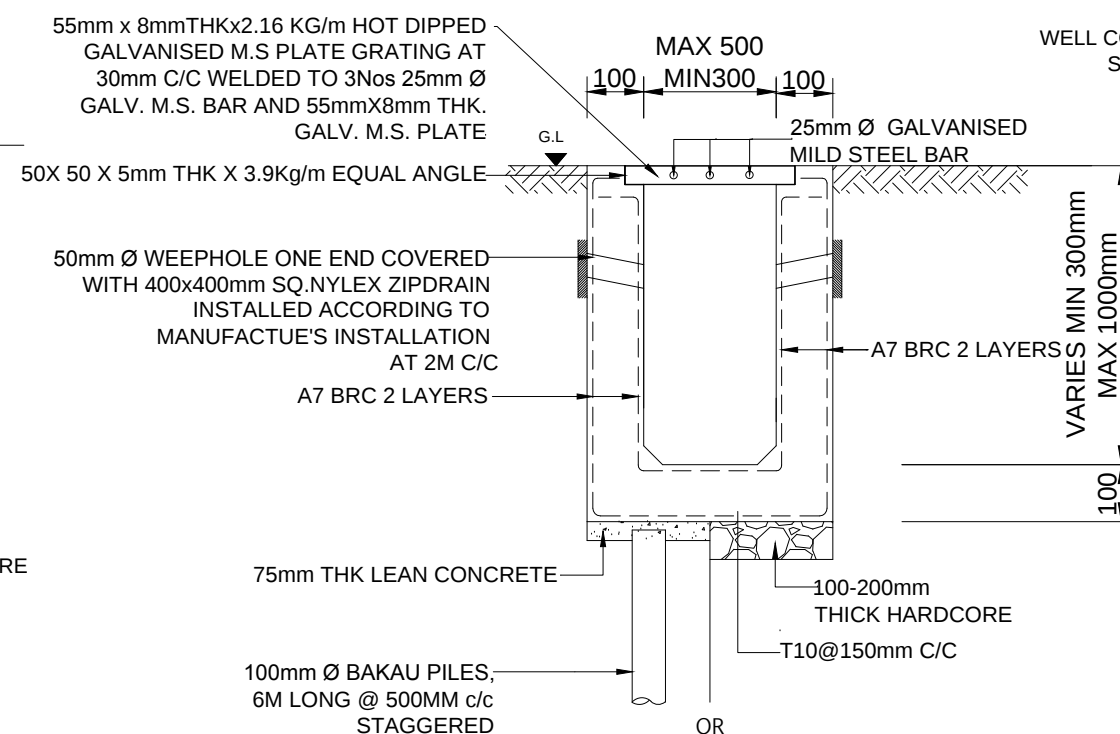
TYPICAL SECTION 'Z-Z'
600x600mm R.C SUMP DETAIL

SCALE 1 : 20



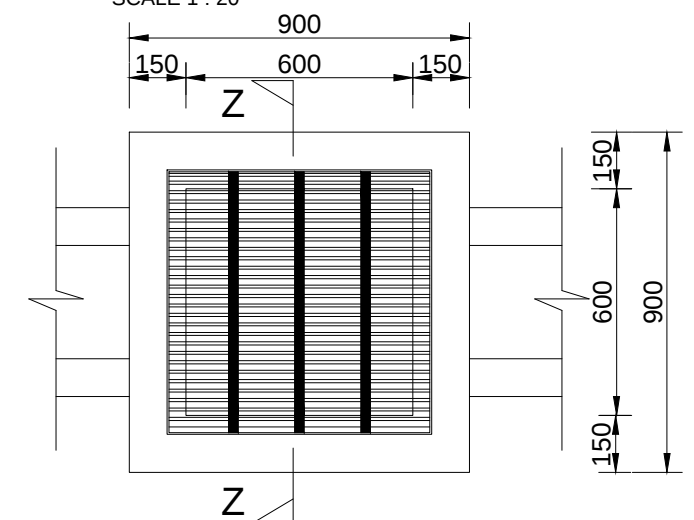
R.C DRAIN DETAIL

SCALE 1 : 20



R.C DRAIN WITH GRATING DETAIL

SCALE 1 : 20



R.C SUMP PLAN LAYOUT

SCALE 1 : 20



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CIVIL & STRUCTURAL ENGINEERING CONSULTANT
No 14, 2nd FLOOR, BLOCK A, GADONG CENTRAL, SIMPANG
21, JALAN GADONG, 888, BRUNEI DARUSSALAM
TEL: 673-2427275 FAX: 673-2427279
E-MAIL: sbc.brunel@gmail.com

CLIENT:

NO.	AMENDMENTS	BY	DATE

DESIGNED BY	THAN ZAW TUN
DRAWN BY	SAI
CHECKED BY	MD. YUNUS
APPROVED BY	
DATE	14/09/2022

SCALE:
1:20

TITLE:	MISCELLANEOUS DETAILS 2
PROJECT:	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

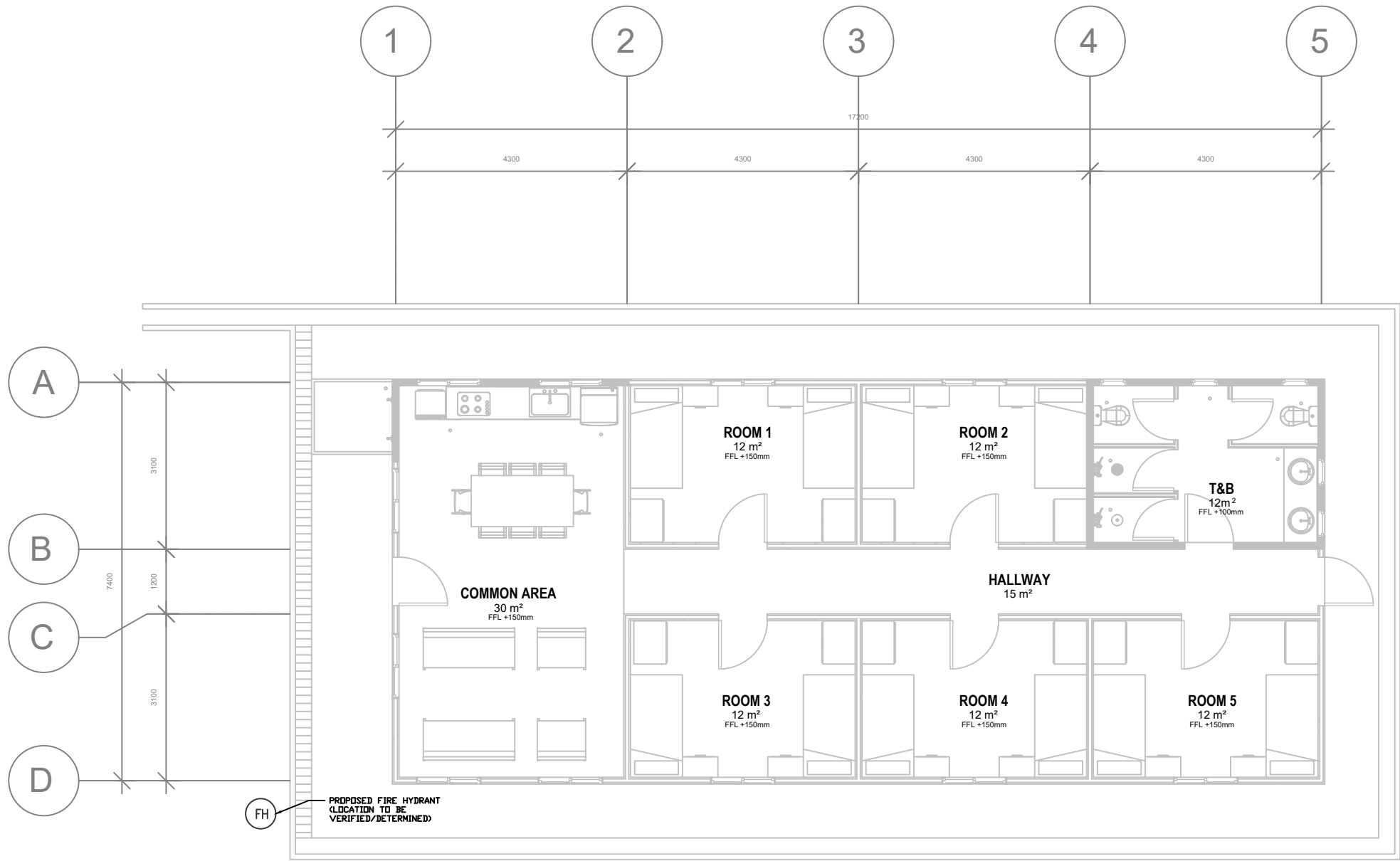
JOB NO:	
SHEET NO:	
DRAWING NO:	SBC/Q366/AFLQ/10P/ST/MISC-101
REV:	

DRAWING LIST

\\JOMCDATABANK\SharedFolder\JOMC Projects\254 - Design Services for Agricultural Farm Labour Quarters (M&E)\1. Drawings\2. Workshop drawings\220906\REV\1. JOMC-254-10 PERSONS-M&E.dwg

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					DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM	 KHA Arkitek P.O Box 272 MRC, Old Airport, Seremban 703122 Contact No: 2810380	 Jurutera OMC Chartered Engineers Engineering Consultant, Design, Management & Services 2nd Floor, Unit 17 & 18, Block C, Melabau Complex, Jalan Serusop, BB2313, B. S. B. Brunei Darussalam Tel : 673-2342688 Fax : 673-2342483 Email : juruteraomc@yahoo.com	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)	DRAWING LIST - SHEET 1 OF 1 - (FOR 10 PERSONS)					
									DRAWN BY:	FS	DESIGN BY:	FS	SCALE:	NTS
									CHECKED BY:	QLT	DATE:	SEPT 2022	JOB NO.	254
GENERAL NOTES	REV	DESCRIPTION	DATE	BY					DRAWING NO:	JOMC/254/DWG/000				

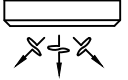
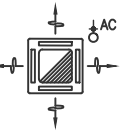
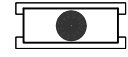
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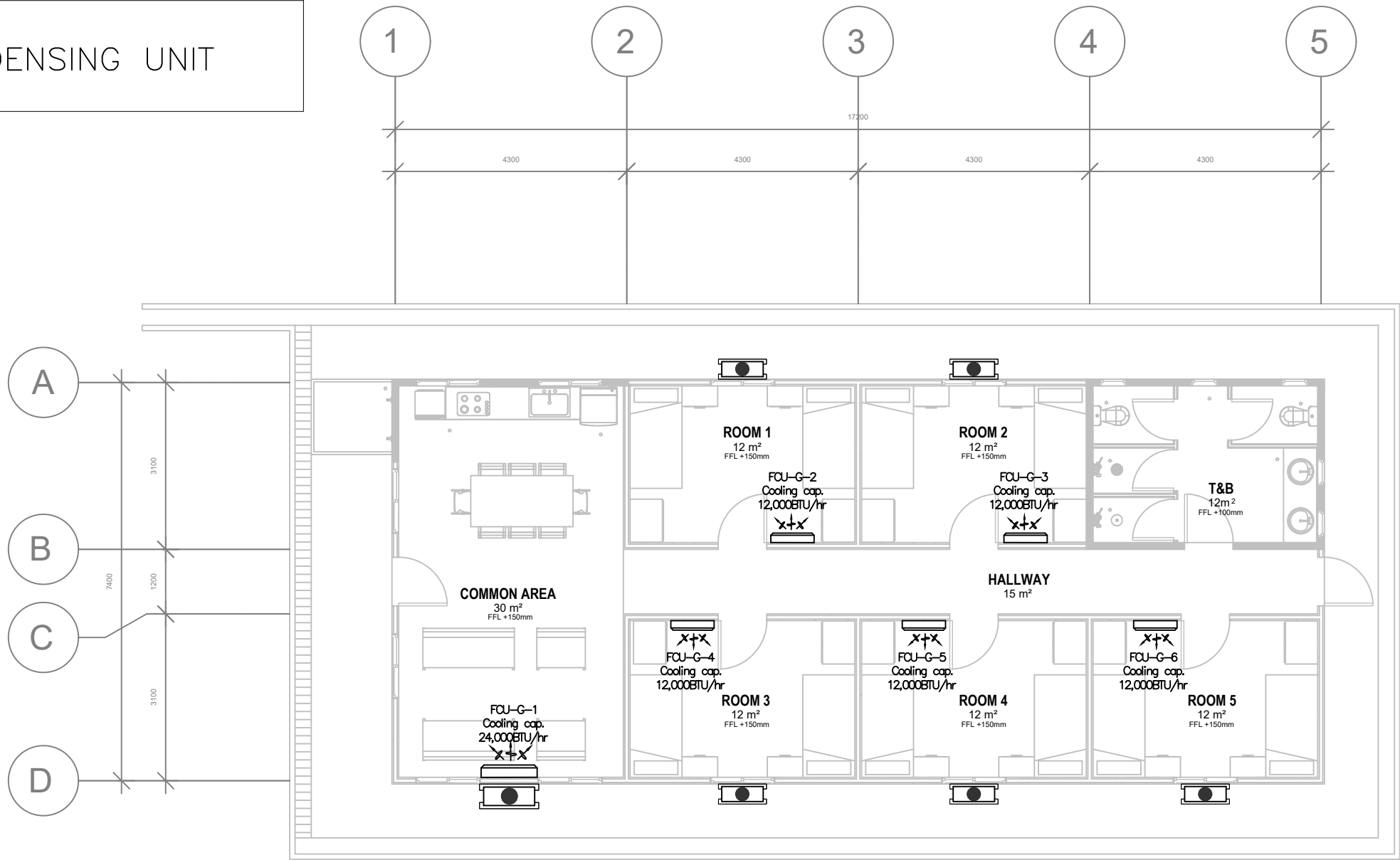


GROUND FLOOR PLAN

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					DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM	KHAarkitek Contract No: 2810380 KHA Arkitek P.O Box 272 MPC, Old Airport, Seribas BB3122 Jurutera OMC Chartered Engineers Engineering Consultant, Design, Management & Services 2nd Floor, Unit 17 & 18, Block C, Melabau Complex, Jalan Serusop, BB2313, B. S. B. Brunei Darussalam Tel : 673-2342688 Fax : 673-2342483 Email : juruteraomc@yahoo.com JURUTERA OMC Engineering Consultant, Design, Management & Services CHIN LEE TUCK REGISTRATION NO. BAPEQSP/PE2022007-E PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS) <td colspan="3">SITE DEVELOPMENT PLAN FIRE HYDRANT LAYOUT PLAN - (FOR 10 PERSONS)</td>	SITE DEVELOPMENT PLAN FIRE HYDRANT LAYOUT PLAN - (FOR 10 PERSONS)							
									DRAWN BY:	FS	DESIGN BY:	FS	SCALE:	1:100
									CHECKED BY:	CLT	DATE:	SEPT 2022	JOB NO:	254
GENERAL NOTES	REV	DESCRIPTION	DATE	BY				DRAWING NO:	JOMC/254/FH/100					

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LEGEND	
	WALL TYPE FAN COIL UNIT C/W 1X15A S.S.O. (ENERGY EFFICIENT)
	4-WAY CASSETTE FCU C/W 1X15A S.S.O.
	AIR-COND CONDENSING UNIT

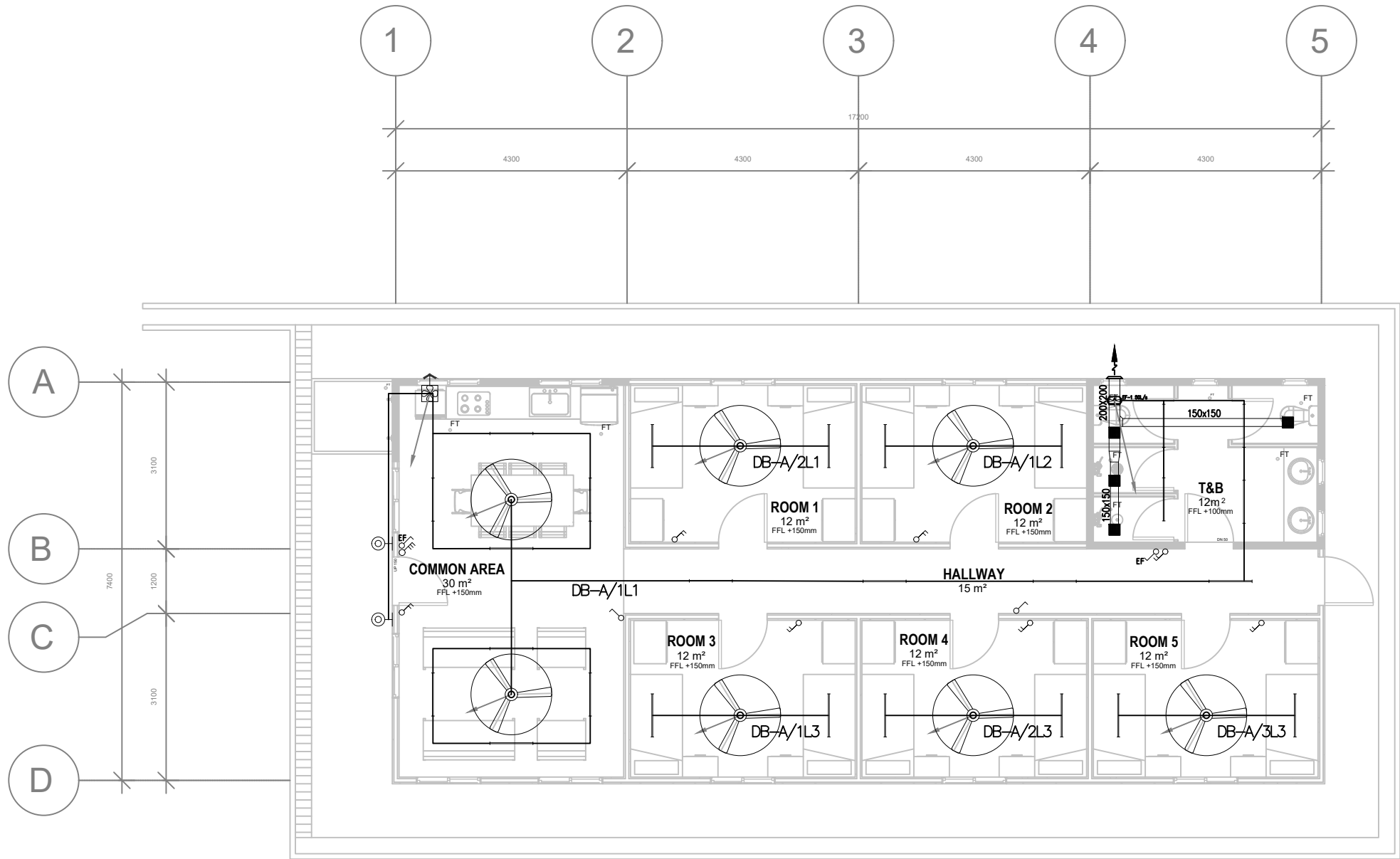


GROUND FLOOR PLAN

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					DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM	 KHA Arkitek P.O Box 272 MPC, Old Airport, Seremban 703122 Contact No: 2810380	 Jurutera OMC Chartered Engineers Engineering Consultant, Design, Management & Services 2nd Floor, Unit 17 & 18, Block C, Melabau Complex, Jalan Serusop, BB2313, B. S. B. Brunei Darussalam Tel : 673-2342688 Fax : 673-2342483 Email : juruteraomc@yahoo.com	 CHIN LEE TUCK REGISTRATION NO. BAPEQSP2022007-E	GROUND FLOOR PLAN AIR-CONDITIONING LAYOUT - (FOR 10 PERSONS)					
									DRAWN BY:	FS	DESIGN BY:	FS	SCALE:	1:100
									CHECKED BY:	CLT	DATE:	SEPT 2022	JOB NO:	254
GENERAL NOTES	REV	DESCRIPTION	DATE	BY			DRAWING NO:		JOMC/254/AC/200					

12 September, 2022 - 4:19 PM \\JDKMDAT\BANK\ShareFolder\JDMC Projects\254 - Design Services for Agricultural Farm Labour Quarters (M&E)\1 Drawings\2 Workshop drawings\220906\REV\ JDMC-254-10 PERSONS-M&E.dwg

LEGEND			
	1X18W LED Tube Lighting to DES approved type		1 X 10A 1 Gang 1 way lighting switch to DES approved type
	18W LED Wall Light to DES/DME approved type to be installed at 0.30m height from floor		1 X 10A 2 Gang 1 way lighting switch to DES approved type
	Ceiling Fan to DES approved type		1 X 10A 3 Gang 1 way lighting switch to DES approved type
	Exhaust Fan to DES approved type		1 X 10A 1 Gang 1 way exhaust fan switch to DES approved type
	Ceiling Mounted Exhaust Fan c/w ductworks to DES / DME approved type		1 X 10A 1 Gang 1 way fan switch to DES approved type

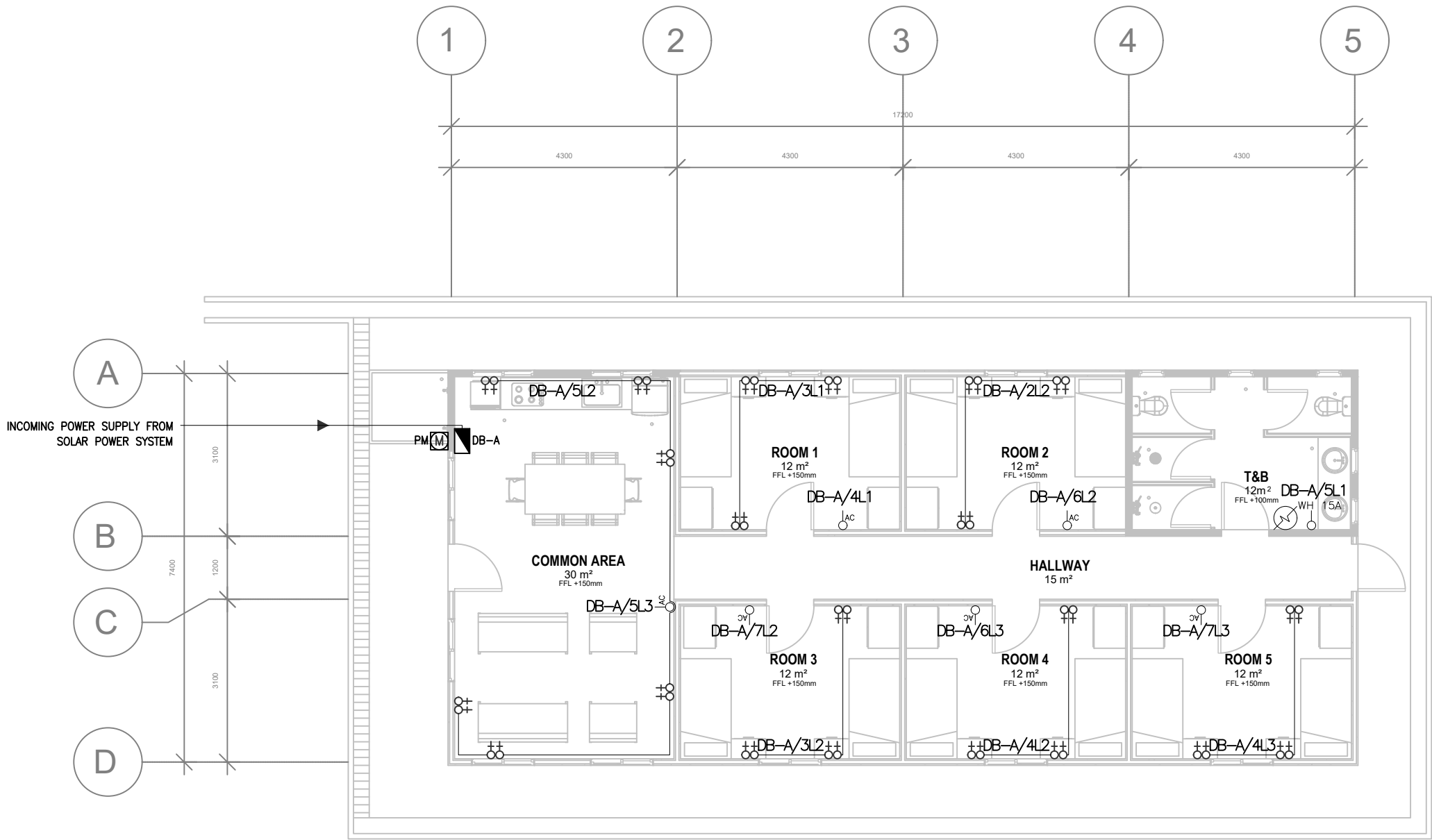


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										DRAWN BY:	FS	DESIGN BY:	FS	SCALE:	1:100
										CHECKED BY:	CLT	DATE:	SEPT 2022	JOB NO:	254
	REV	DESCRIPTION	DATE	BY					DRAWING NO:	JOMC/254/L/200					

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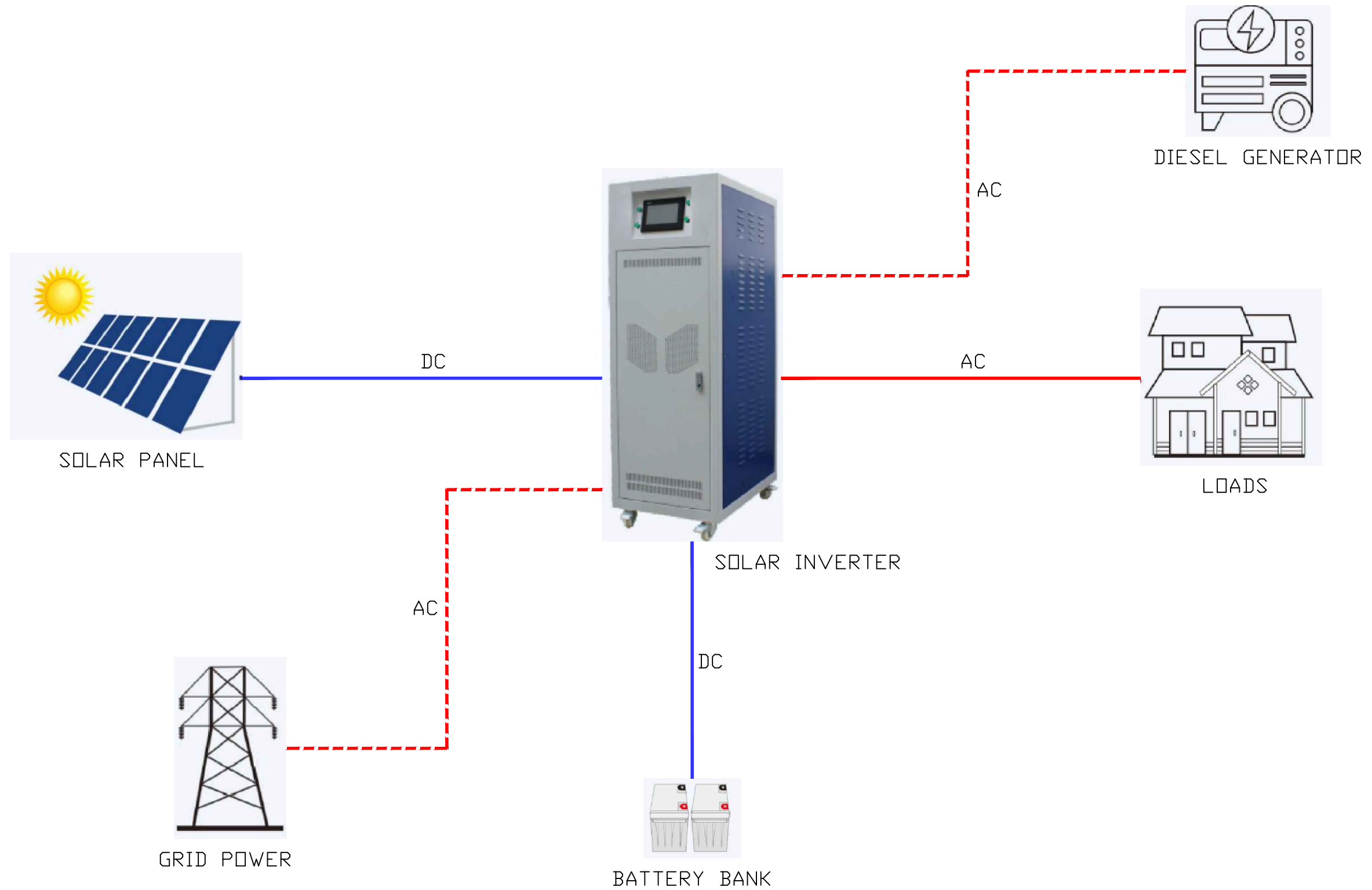
LEGEND	
SYMBOL	DESCRIPTION
	1X13A SWITCH SOCKET OUTLET TO DES / DME APPROVED TYPE
	2X13A SWITCH SOCKET OUTLET TO DES / DME APPROVED TYPE
	1X13A WEATHERPROOF SWITCH SOCKET OUTLET TO DES / DME APPROVED TYPE
	1X15A S.S.O FOR AC INSTALLED ON THE HIGH LEVEL TO DES / DME APPROVED TYPE
	ELECTRICAL DISTRIBUTION BOARD TO DES / DME APPROVED TYPE
	COOKER UNIT C/W 1x13A SSO TO DES / DME APPROVED TYPE
	WATER HEATER @ 5 GALLONS CAPACITY C/W 20A DOUBLE POLE NEON SWITCH
	PREPAID METER TO DES / DME APPROVED TYPE



GROUND FLOOR PLAN

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					DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM	 KHA Arkitek P.O Box 272 MPC, Old Airport, Seremban 703122 Contract No: 2810380	 Jurutera OMC Chartered Engineers Engineering Consultant, Design, Management & Services 2nd Floor, Unit 17 & 18, Block C, Melabau Complex, Jalan Serusop, BB2313, B. S. B. Brunei Darussalam Tel : 673-2342688 Fax : 673-2342483 Email : juruteraomc@yahoo.com  CHIN LEE TUCK REGISTRATION NO. BAPEQSP/PE2022007-E	PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)	GROUND FLOOR PLAN POWER LAYOUT - (FOR 10 PERSONS)			
										DRAWN BY: FS	DESIGN BY: FS	SCALE: 1:100
										CHECKED BY: CLT	DATE: SEPT 2022	JOB NO: 254
GENERAL NOTES	REV	DESCRIPTION	DATE	BY					DRAWING NO:	JOMC/254/P/200		

12 September 2022 - 4:19 PM \\JOMC\DATA\BANK\ShareFolder\JOMC Projects\1254 - Design Services for Agricultural Farm Labour Quarters (M&E)\Drawings\2. Workshop drawings\220906\REV\ JOMC-254-10 PERSONS-M&E.dwg



SOLAR SYSTEM LAYOUT DIAGRAM

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GENERAL NOTES

REV	DESCRIPTION	DATE	BY

CLIENT

DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM

ARCHITECT



Contact No: 2810380

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Seremban
703122

ENGINEER



2nd Floor, Unit 17 & 18, Block C, Melabau Complex,
Jalan Serusop, BB2313, B. S. B. Brunei Darussalam
Tel : 673-2342688 Fax : 673-2342483
Email : juruteraomc@yahoo.com



PROJECT TITLE

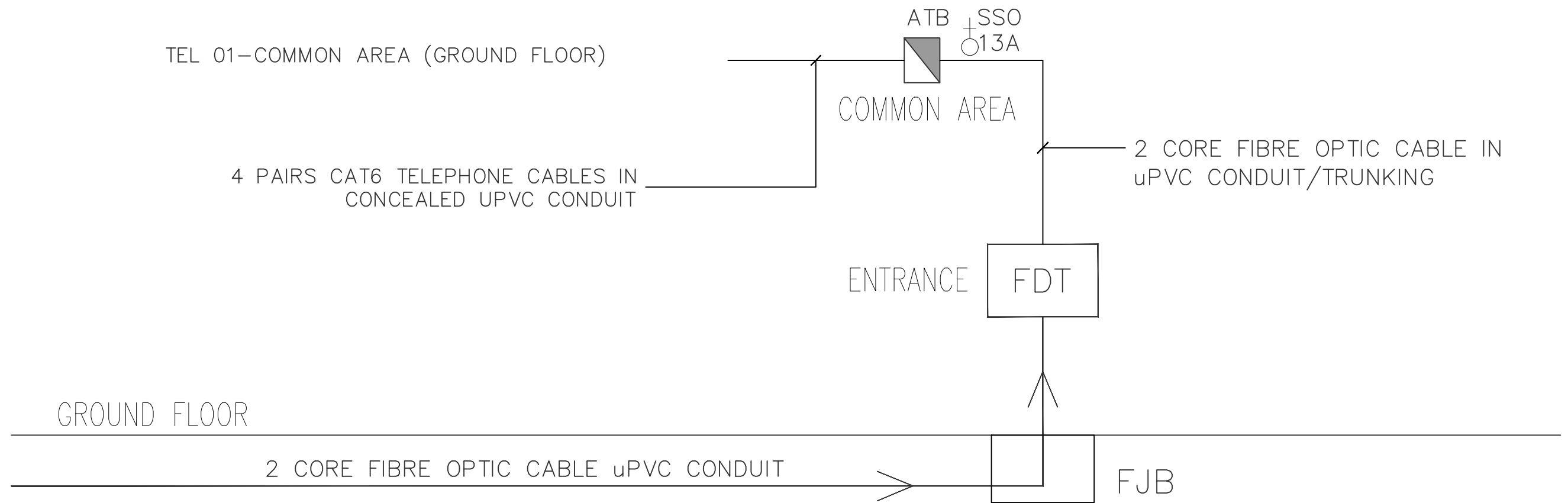
PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

DRAWING TITLE

SOLAR SYSTEM LAYOUT DIAGRAM - (FOR 10 PERSONS)

DRAWN BY:	FS	DESIGN BY:	FS	SCALE:	NTS
CHECKED BY:	CLT	DATE:	SEPT 2022	JOB NO:	254
DRAWING NO:	JOMC/254/P/300				

\\JDKC\DATA\BANK\Share\JDKC\Projects\254 - Design Services for Agricultural Farm Labour Quarters (M&E)\Drawings\2. Workshop drawings\220906\REV\ JOMC-254-10 PERSONS-M&E.dwg 12 September, 2022 - 4:20 PM



TELEPHONE SYSTEM SCHEMATIC DIAGRAM

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GENERAL NOTES

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CLIENT

DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM

ARCHITECT



Contact No: 2810380

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Seremban
703122

ENGINEER



2nd Floor, Unit 17 & 18, Block C, Melabau Complex,
Jalan Serusop, BB2313, B. S. B. Brunei Darussalam
Tel : 673-2342688 Fax : 673-2342483
Email : juruteraomc@yahoo.com



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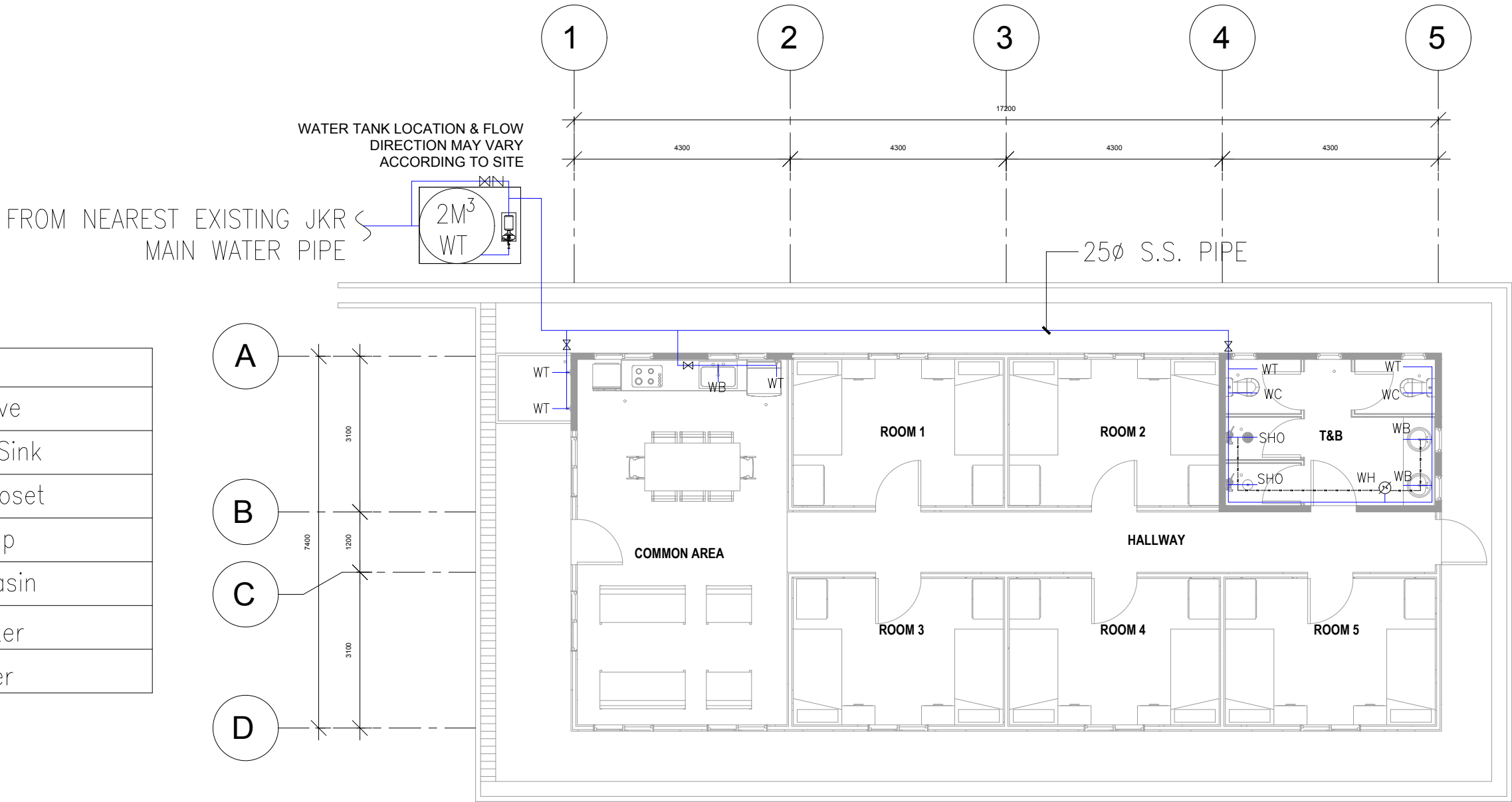
DRAWING TITLE

TELEPHONE SYSTEM SCHEMATIC DIAGRAM - (FOR 10 PERSONS)

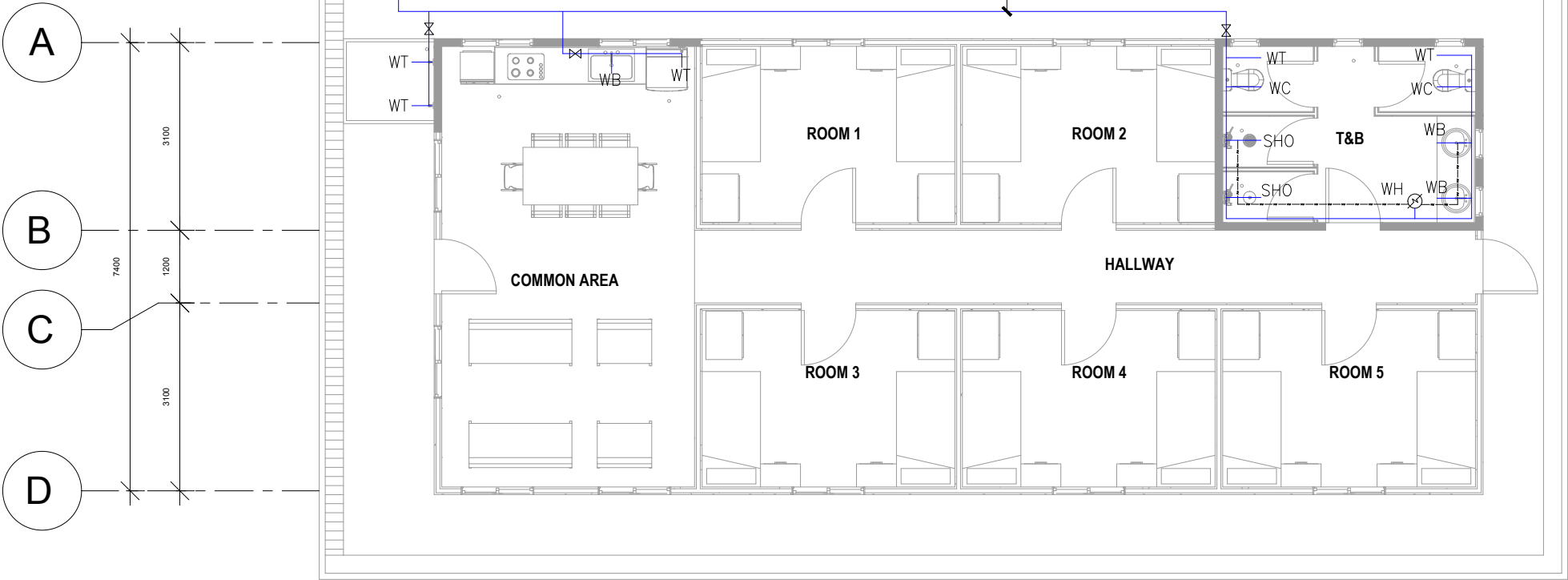
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CHECKED BY:	CLT	DATE:	SEPT 2022	JOB NO:	254

DRAWING NO: JOMC/254/T/300

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LEGEND	
	Gate Valve
KS	Kitchen Sink
WC	Water Closet
WT	Water Tap
WB	Water Basin
	Cold Water
	Hot Water



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DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM

ARCHITECT



Contact No: 2610360

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Seremban
703122

ENGINEER



2nd Floor, Unit 17 & 18, Block C, Melabau Complex,
Jalan Serusop, BB2313, B. S. B. Brunei Darussalam
Tel : 673-2342688 Fax : 673-2342483
Email : juruteraomc@yahoo.com



CHIN LEE TUCK
REGISTRATION NO. BAPEQS/PE2022007-E

PROJECT TITLE

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

DRAWING TITLE

GROUND FLOOR PLAN PLUMBING LAYOUT (FOR 10 PERSONS)

DRAWN BY:

AIM

DESIGN BY:

AIM

SCALE:

1:100

CHECKED BY:

CLT

DATE:

SEPT 2022

JOB NO:

254

DRAWING NO:

JOMC/254/W/200

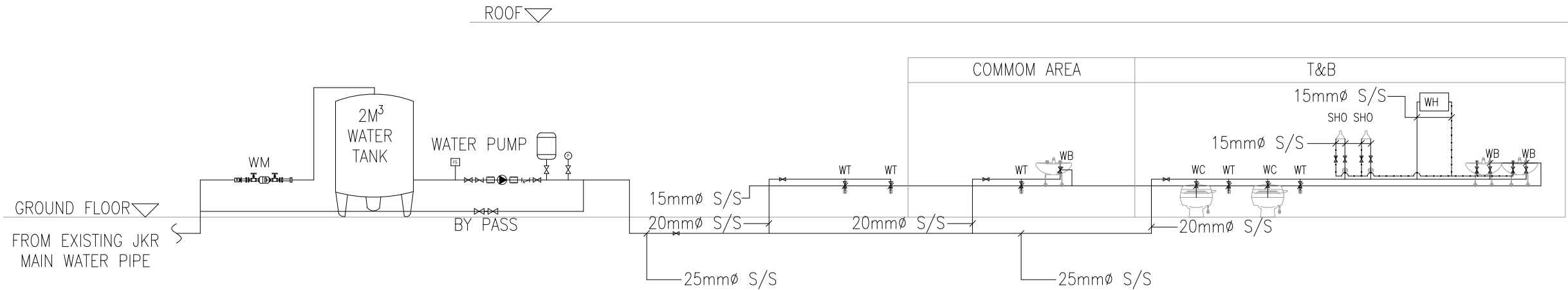
NOTES:

HOT WATER PIPEWORK

1. ALL HOT WATER PIPEWORK TO BE COPPER TO BS 2871 : 1971 M TABLE X. JOINTS COMPRESSION FITTING TO BS 864 : PART 2 : 1983 TYPE A.
2. HOT WATER PIPEWORK EMBEDDED IN WALL SHALL BE DENSO OR POLYETHYLENE WRAPPED.
3. HOT WATER PIPEWORK NOT EMBEDDED IN WALL TO BE INSULATED WITH 25MM PREFORMED FIBRE GLASS INSULATION WITH FACTORY APPLIED ALUMINIUM JACKET SEAL JOINTS WITH PRESSURE SENSITIVE TAPE.

COLD WATER PIPEWORK

1. ALL COLD WATER PIPEWORK ABOVE GROUND TO BE :
 - i) BELOW 80 MM
PIPEWORK TO BE STAINLESS STEEL TO BS 4127.
JOINTS COMPRESSION & FITTINGS TO BS 864 : PART 2.
2. ALL COLD WATER PIPEWORK BURIED UNDERGROUND TO BE :
 - i) 80 MM AND BELOW
STAINLESS STEEL PIPE TO BS 41271.
JOINTS COMPRESSION & FITTINGS TO BS 864 : PART 2.
 - ii) 80 MM AND ABOVE
MDPE PIPE TO BS 6920 : 1988 : PART 2.
JOINTS COMPRESSION & FITTINGS TO DIN 16928 : PART 1 TO 12
3. ALL FINAL CONNECTION TO BE 15Ø UNLESS OTHERWISE STATED.
4. PROVIDE A STOP COCK FOR WATER INLET TO EVERY PLUMBING & SANITARY FIXTURES.
5. ALL STOP COCKS TO BE CHROME PLATED TYPE.
6. ALL PIPES ARE IN MM.
7. WATER PIPE 65 MM AND BELOW USED FOR CONNECTION BETWEEN THE WATER MAIN TAP-OFF AND THE WATER METER SHALL BE STAINLESS STEELS PIPE TO BS4127:PART 2.

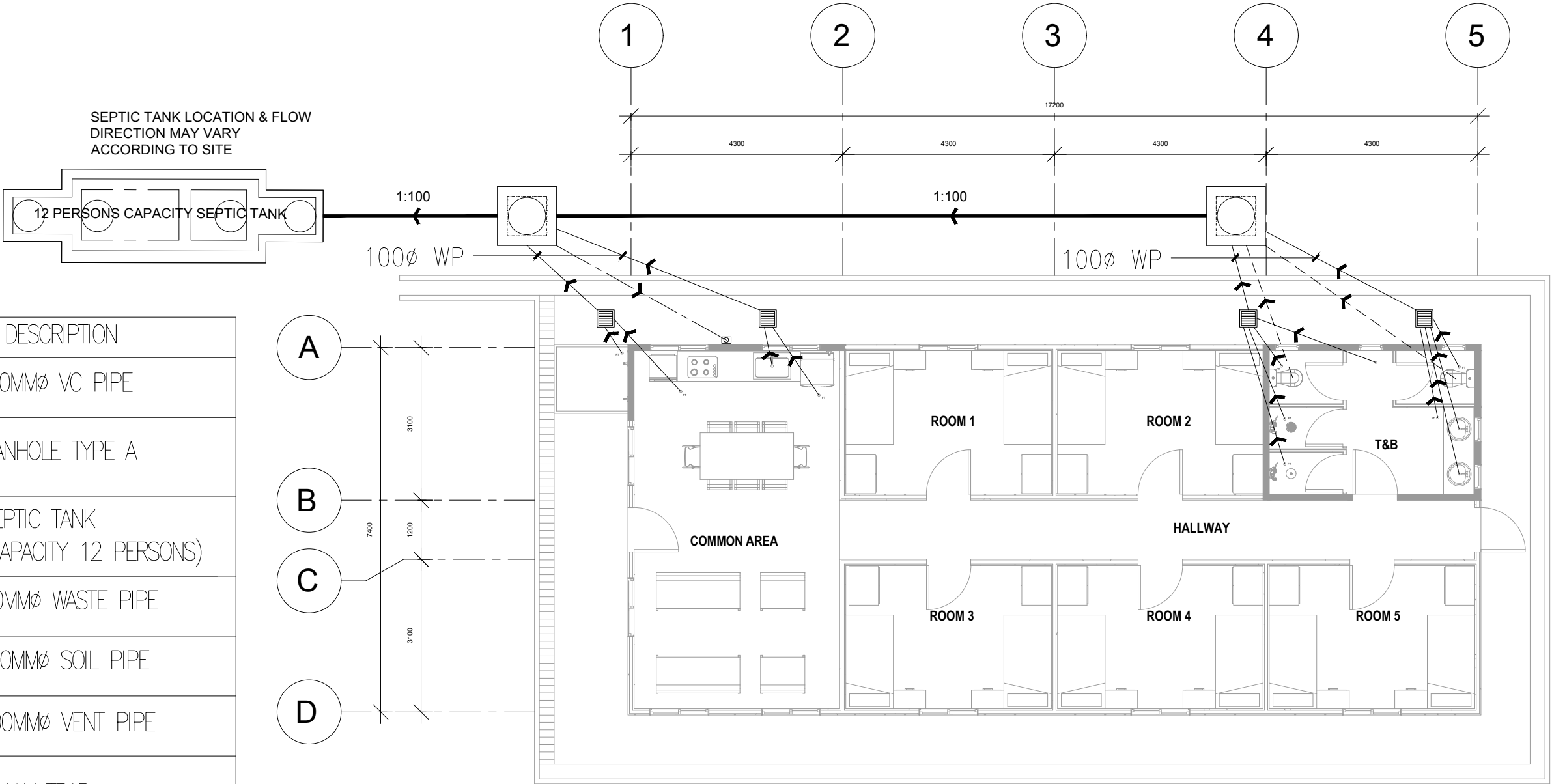


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GENERAL NOTES				REV				DESCRIPTION				DATE				BY				DRAWN BY: AM				DESIGN BY: AM				SCALE: NTS							
																								CHECKED BY: CLT				DATE: SEPT 2022				JOB NO: 254			
																												DRAWING NO:				JOMC/254/W/300			

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LEGEND	DESCRIPTION
	150MMØ VC PIPE
	MANHOLE TYPE A
	SEPTIC TANK (CAPACITY 12 PERSONS)
	80MMØ WASTE PIPE
	100MMØ SOIL PIPE
	100MMØ VENT PIPE
	GULLY TRAP



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CLIENT

DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM

ARCHITECT



Contact No: 2610360

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Seremban
703122

ENGINEER

Jurutera OMC
Chartered Engineer
Engineering Consultant, Design, Management & Services
2nd Floor, Unit 17 & 18, Block C, Melabau Complex,
Jalan Serusop, BB2313, B. S. B. Brunei Darussalam
Tel : 673-2342688 Fax : 673-2342483
Email : juruteraomc@yahoo.com



CHIN LEE TUCK
REGISTRATION NO. BAPEQS/PE2022007-E

PROJECT TITLE

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

DRAWING TITLE

GROUND FLOOR PLAN SANITARY LAYOUT (FOR 10 PERSONS)

DRAWN BY:

AIM

DESIGN BY:

AIM

SCALE: 1:100

CHECKED BY:

CLT

DATE:

SEPT 2022

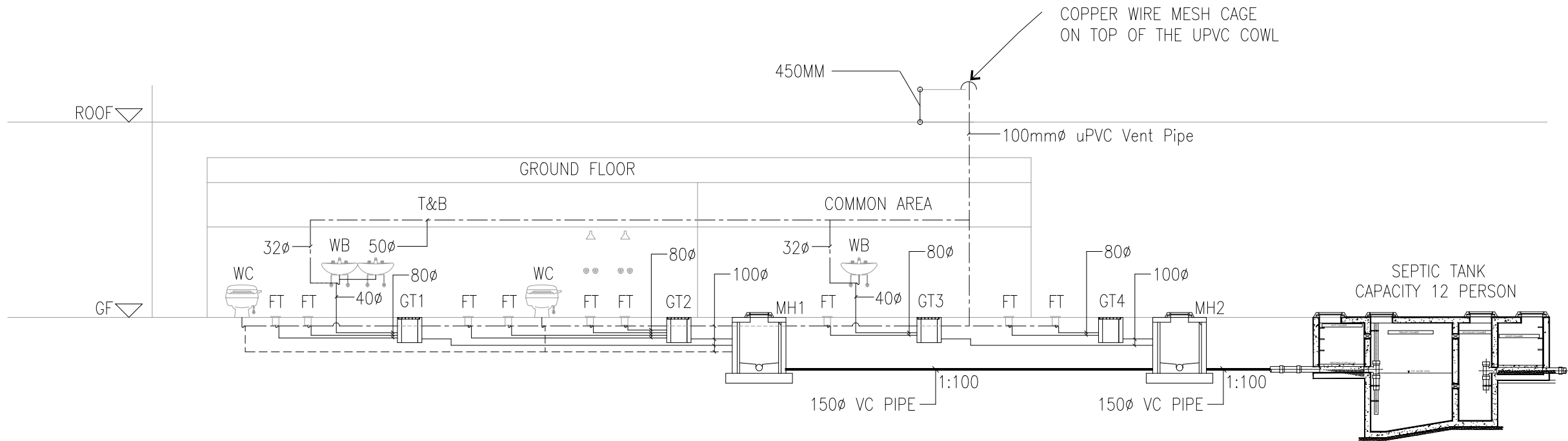
JOB NO:

254

DRAWING NO:

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ARCHITECT



Contact No: 2610380

KHA Arkitek
P.O Box 272
MPC,
Old Airport,
Seremban
703122

ENGINEER



2nd Floor, Unit 17 & 18, Block C, Melabau Complex,
Jalan Serusop, BB2313, B. S. B. Brunei Darussalam
Tel : 673-2342688 Fax : 673-2342483
Email : juruteraomc@yahoo.com

Engineering Consultant, Design, Management & Services



CHIN LEE TUCK
REGISTRATION NO. BAPEQS/PE2022007-E

PROJECT TITLE

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

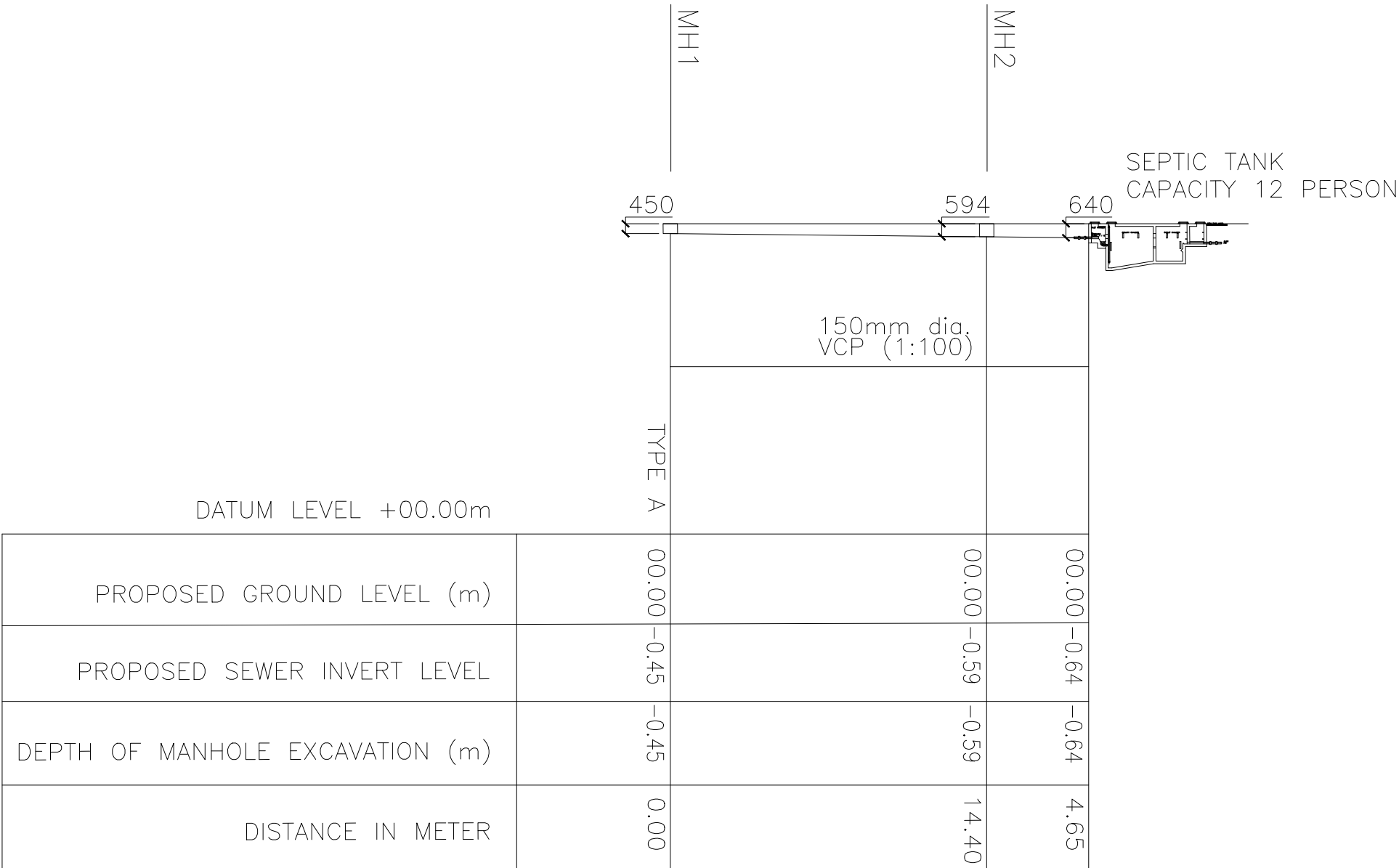
DRAWING TITLE

SANITARY SCHEMATIC DIAGRAM (FOR 10 PERSONS)

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CHECKED BY:	CLT	DATE:	SEPT 2022	JOB NO:	254

DRAWING NO: JOMC/254/SEW/300

NOTE:
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CLIENT

DEPARTMENT OF AGRICULTURE AND AGRIFOOD, BRUNEI DARUSSALAM

ARCHITECT

KHAL

arkitek

Contact No: 2610380

KHA Arkitek

P.O Box 272

MPC,

Old Airport,

Seremban

703122

ENGINEER

Jurutera

OMC

Engineering Consultant, Design, Management & Services

2nd Floor, Unit 17 & 18, Block C, Melabau Complex, Jalan Serusop, BB2313, B. S. B. Brunei Darussalam
Tel : 673-2342688 Fax : 673-2342483
Email : juruteraomc@yahoo.com

CHIN LEE TUCK

REGISTRATION NO. BAPEQSP/PE2022007-E

PROJECT TITLE

PROPOSED NEW 1 UNIT STANDARD DESIGN OF FARM LABOUR QUARTERS, BRUNEI DARUSSALAM (FOR 10 PERSONS)

DRAWING TITLE

SANITARY SEWER LINE INVERT LEVEL (FOR 10 PERSONS)

DRAWN BY: AIM

DESIGN BY: AIM

SCALE: NTS

CHECKED BY: CLT

DATE: SEPT 2022

JOB NO: 254

DRAWING NO:

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