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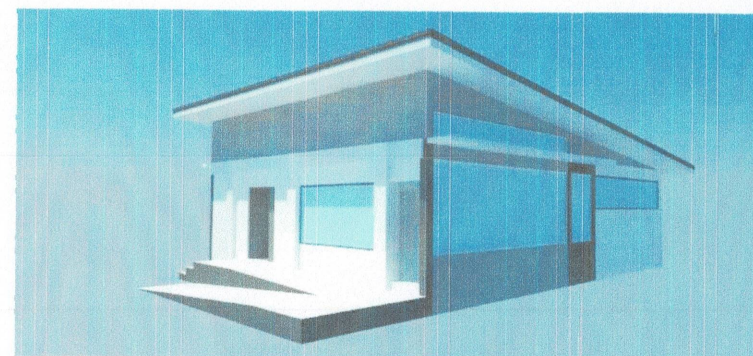
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7 16	STRUCTURAL DRAWINGS	ARCHITECTURAL
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		MECHANICAL
		FIRE SAFETY
		RECOMMENDING APPROVAL:
		APPROVED:

TECHNICAL DESCRIPTION		
LINE	BEARING	DISTANCE
1 - 2	S 17° 63' E	97.77 m
2 - 3	S 77° 14' W	64.19 m
3 - 4	N 17° 45' W	90.00 m
4 - 1	N 70° 17' E	63.91 m

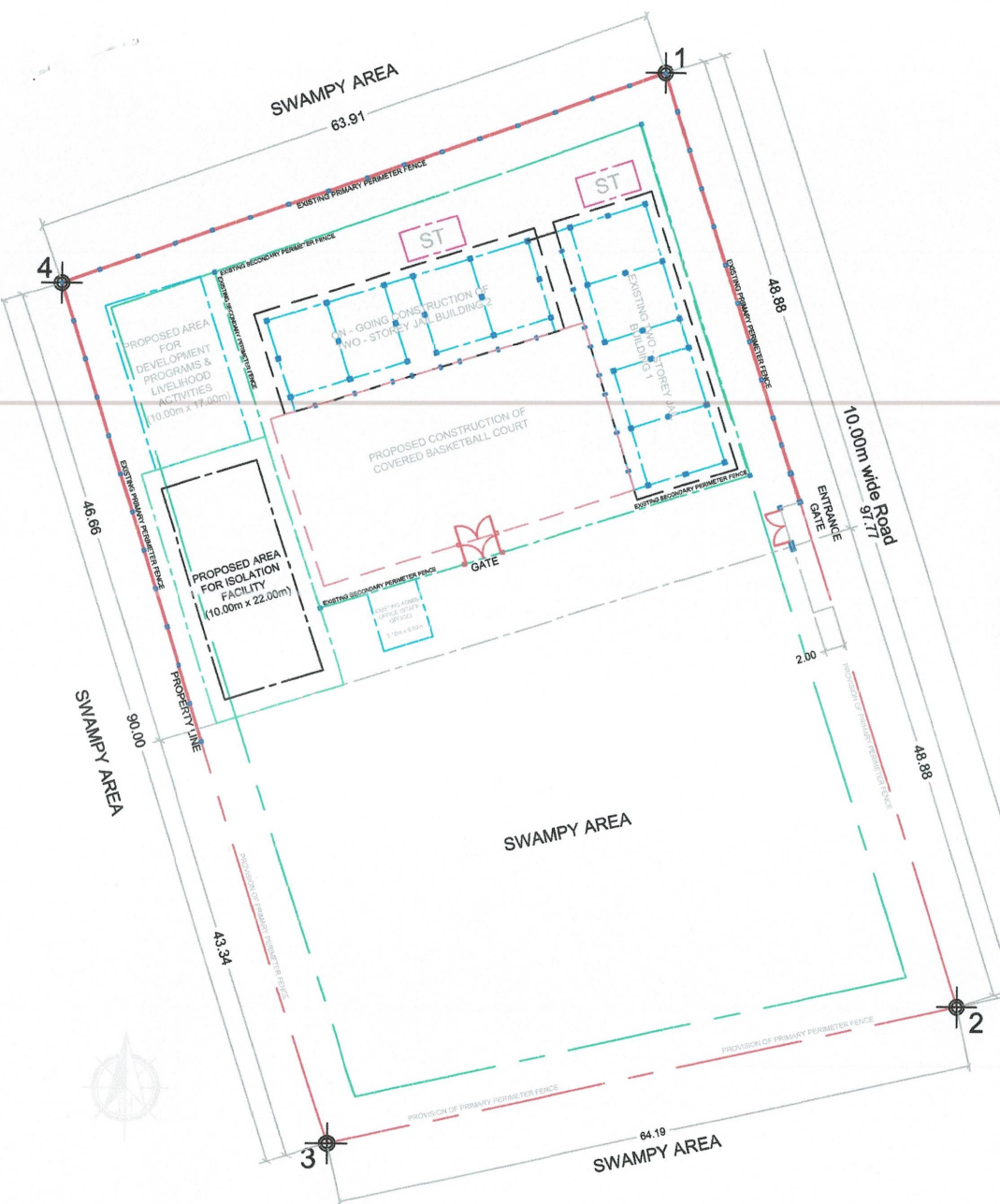
TIELINE FROM BLLM No. 1, PLS-450-0
TO COR. "1" S 13°55' W., 572.14 m.



VICINITY MAP
NOT TO SCALE



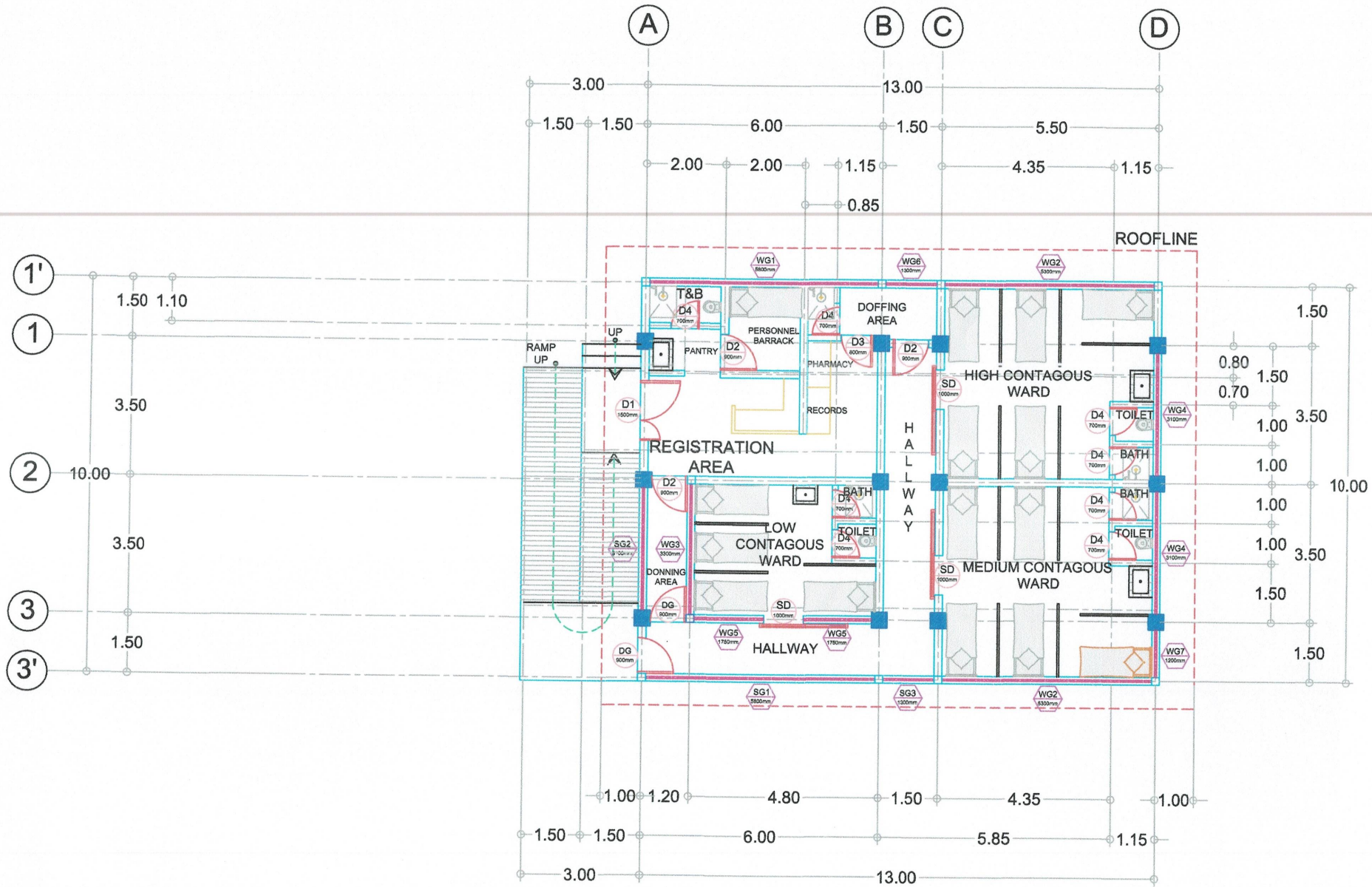
PERSPECTIVE



SITE DEVELOPMENT PLAN
SCALE 1:500



PROJECT TITLE: PROPOSED CONSTRUCTION OF ONE-STOREY ISOLATION FACILITY	DRAFTED BY: Gerald C Baloyos Jail Officer 2 JMP Staff, Logistics Division	CHECKED BY: MARICAR C GONZALES Jail Senior Inspector (RCE) JMP Regional Engineer	RECOMMENDING APPROVAL: RENZ JOSEPH D BASCUGIN Jail Chief Inspector JMP Chief, Logistics Division	APPROVED BY: JOLLY C TAGUIAM JR Jail Chief Superintendent DSC Regional Director of the Jail Bureau	SHEET CONTENT: AS SHOWN	SHEET NO.: A - 1 1 16
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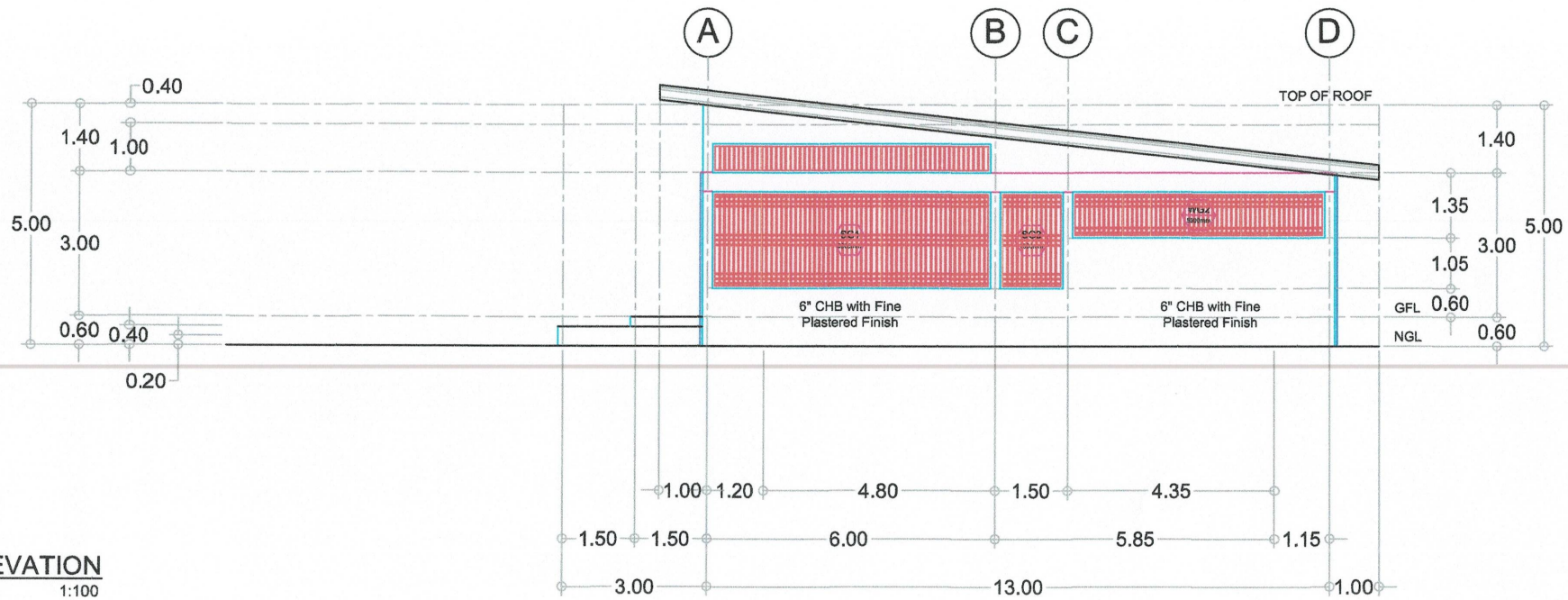


FLOOR PLAN
SCALE 1:100

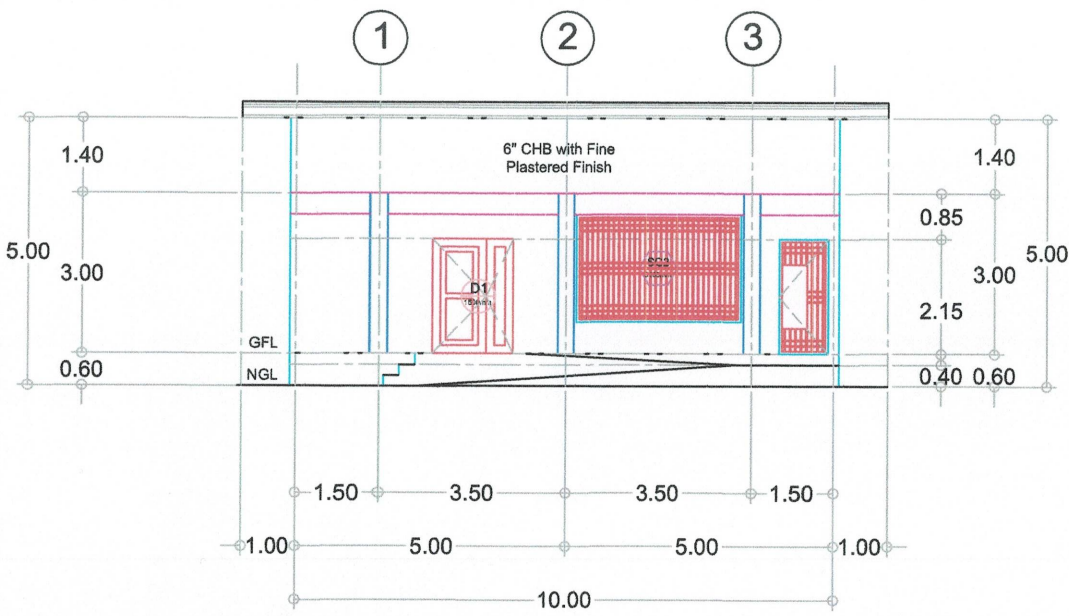


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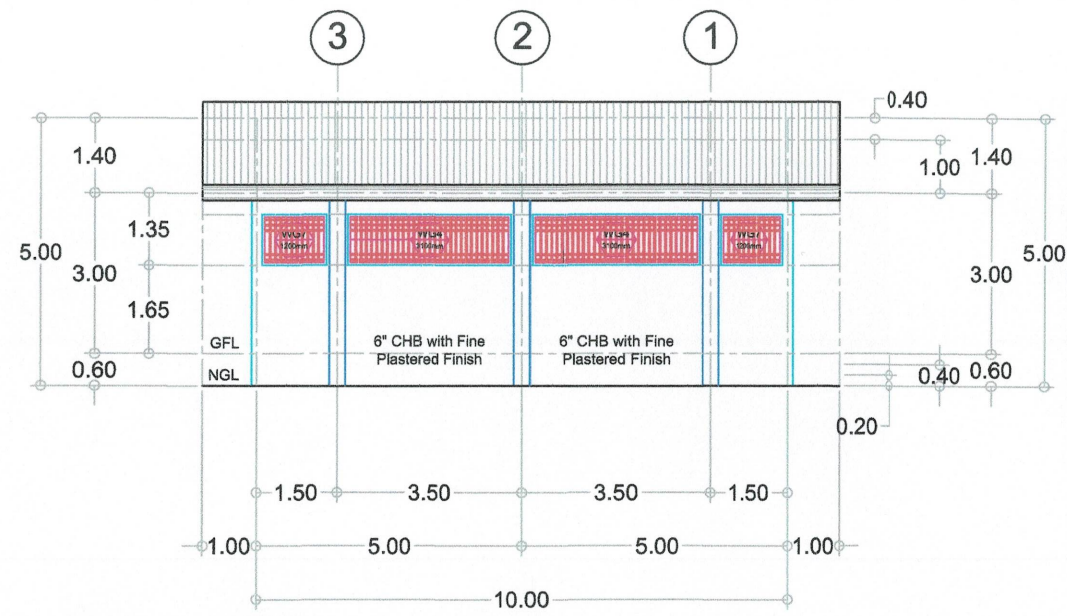
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PROJECT ADDRESS:						



RIGHT ELEVATION
SCALE: 1:100

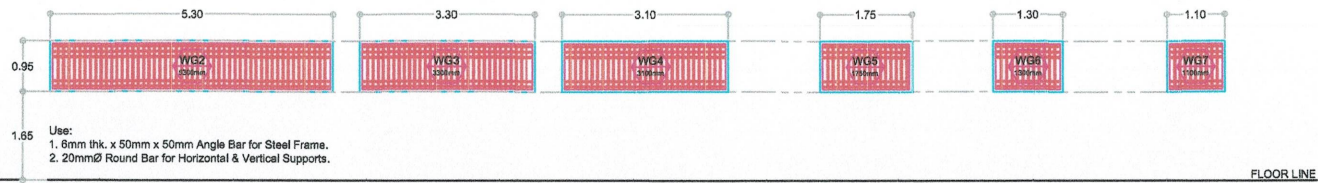


FRONT ELEVATION
SCALE: 1:100

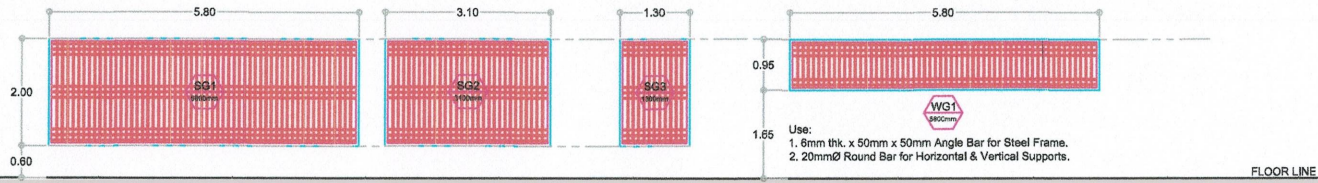


REAR ELEVATION
SCALE: 1:100

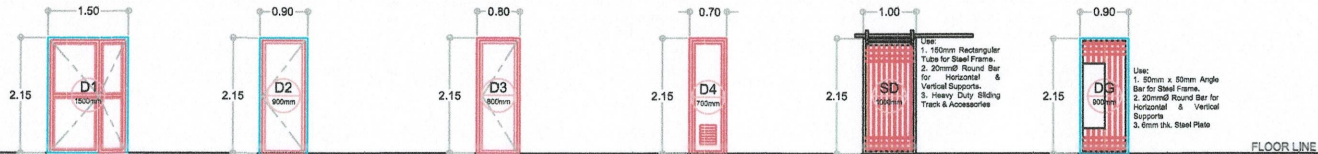
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Description : Window Grilles 2 Location : Floor Plan Required : 2 Sets	Description : Window Grilles 3 Location : Floor Plan Required : 1 Set	Description : Window Grilles 4 Location : Floor Plan Required : 2 Sets	Description : Window Grilles 5 Location : Floor Plan Required : 2 Sets	Description : Window Grilles 6 Location : Floor Plan Required : 1 Set	Description : Window Grilles 7 Location : Floor Plan Required : 2 Sets
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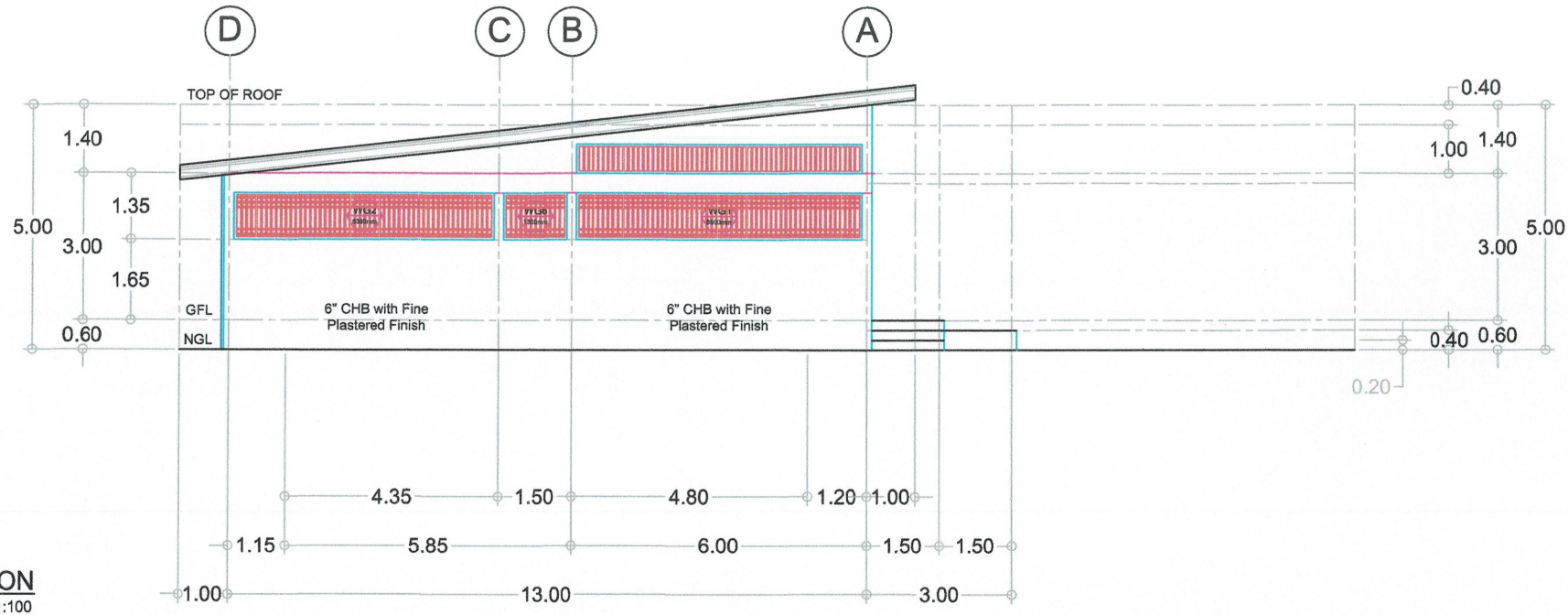


Description : Steel Grilles 1 Location : Floor Plan Required : 1 Set	Description : Steel Grilles 2 Location : Floor Plan Required : 1 Set	Description : Steel Grilles 3 Location : Floor Plan Required : 1 Set	Description : Window Grilles 1 Location : Floor Plan Required : 1 Set
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Description : Double Swing Aluminum Glass Door Location : See Floor Plan Required : 1 Set	Description : Flushed Type Door Location : See Floor Plan Required : 3 Sets	Description : Flushed Type Door Location : See Floor Plan Required : 1 Set	Description : PVC Door with Louver Location : See Floor Plan Required : 10 Sets	Description : Steel Sliding Door Location : Floor Plan Required : 3 Sets	Description : Door Grilles Location : Floor Plan Required : 2 Sets
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SCHEDULE OF DOORS & WINDOWS
SCALE: 1:100

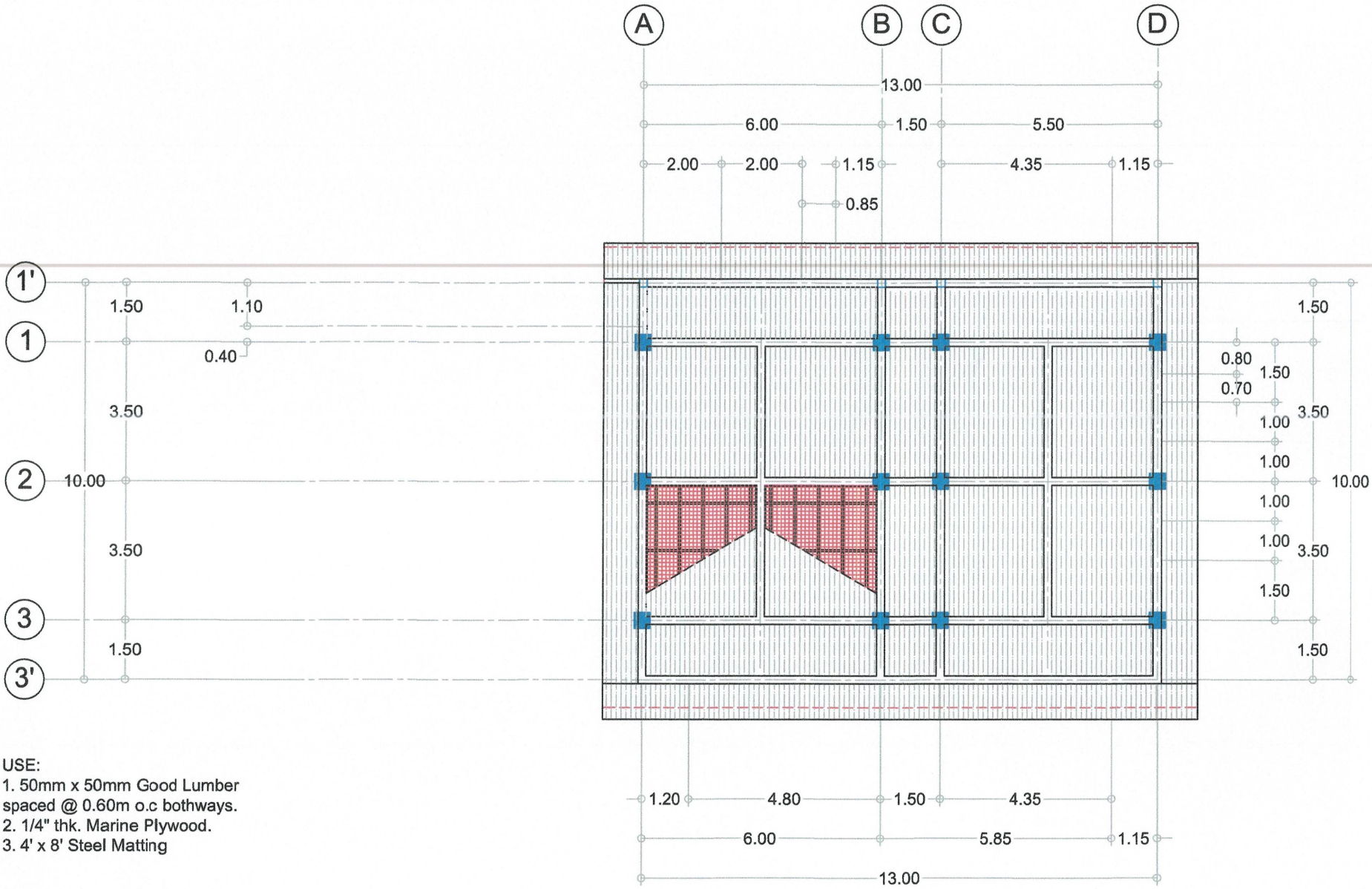


LEFT ELEVATION
SCALE: 1:100



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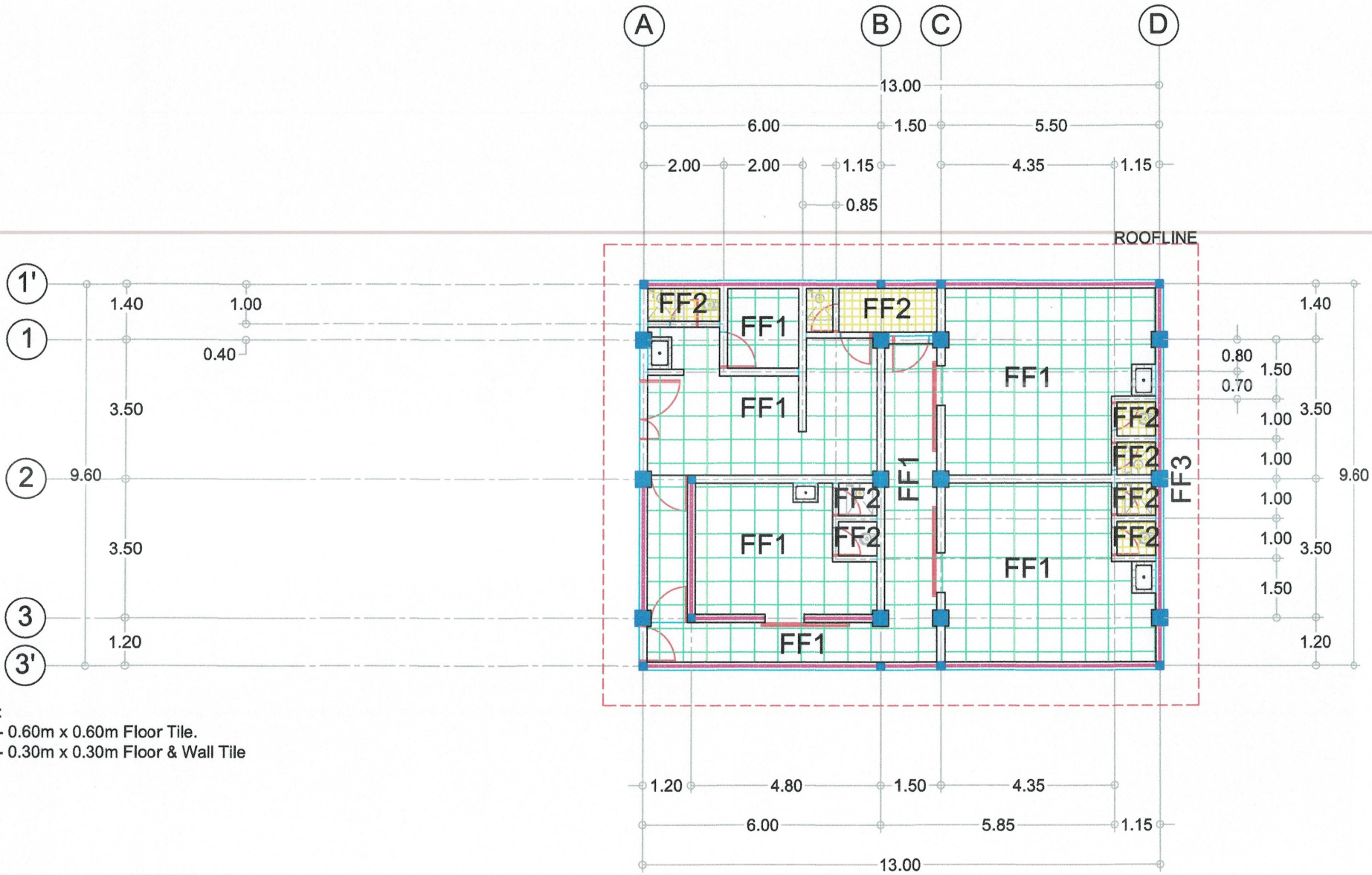
- USE:
1. 50mm x 50mm Good Lumber spaced @ 0.60m o.c bothways.
 2. 1/4" thk. Marine Plywood.
 3. 4' x 8' Steel Matting

CEILING FRAMING PLAN
SCALE: 1:100



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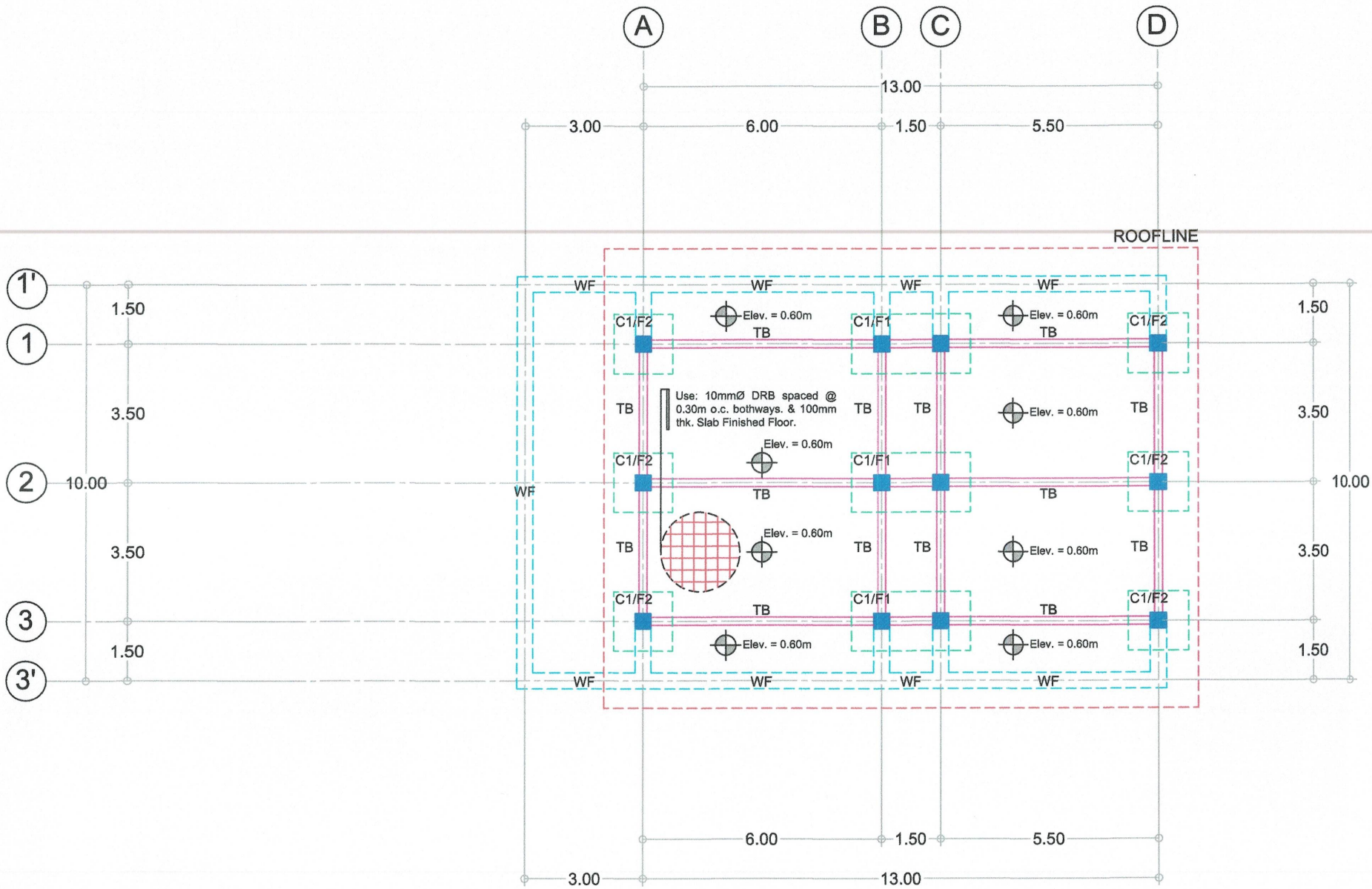
USE:
 FF1 - 0.60m x 0.60m Floor Tile.
 FF2 - 0.30m x 0.30m Floor & Wall Tile

CEILING FRAMING PLAN
 SCALE: 1:100



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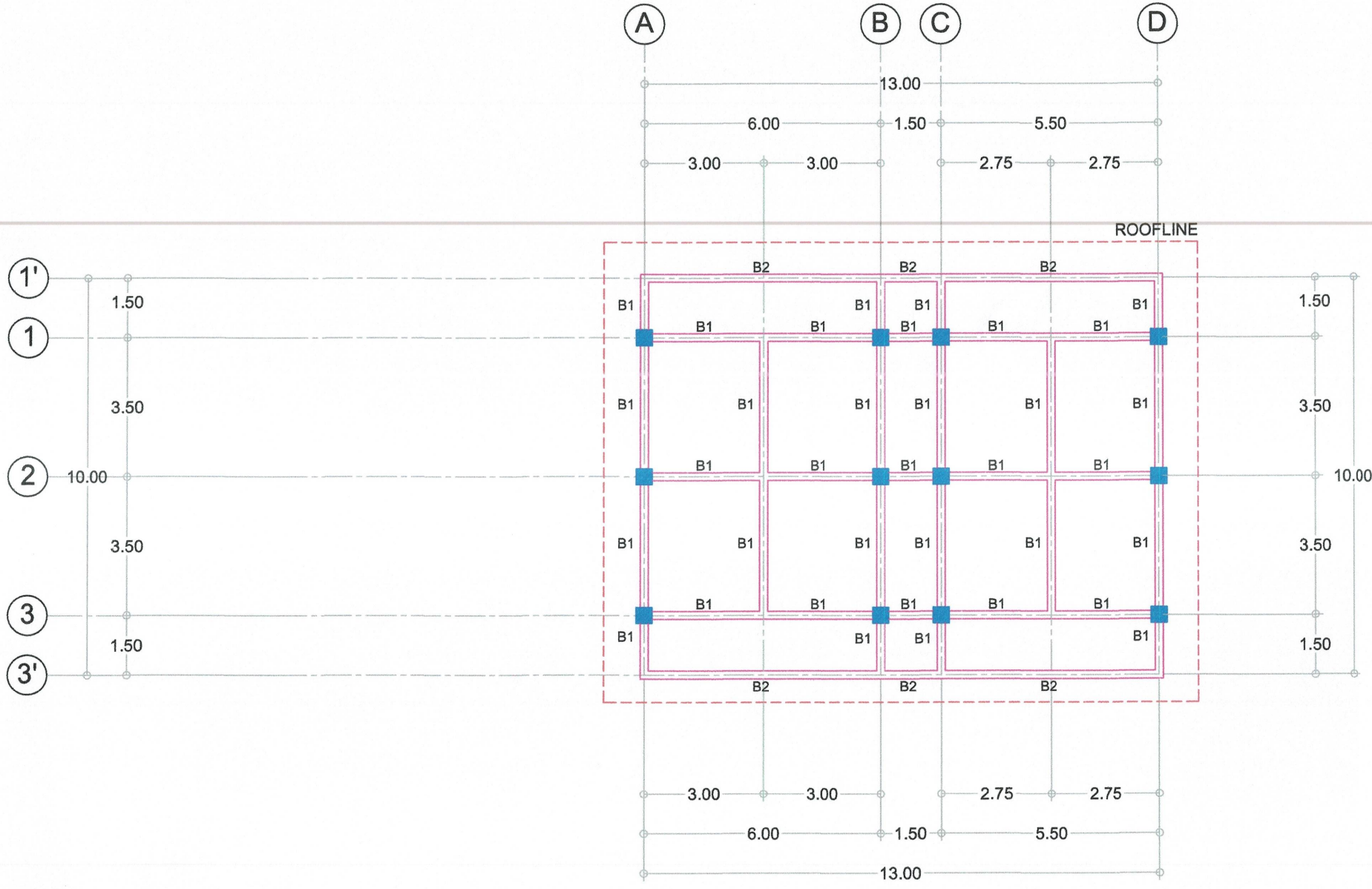


FOUNDATION PLAN
SCALE: 1:100



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BEAM FRAMING PLAN
SCALE: 1:100

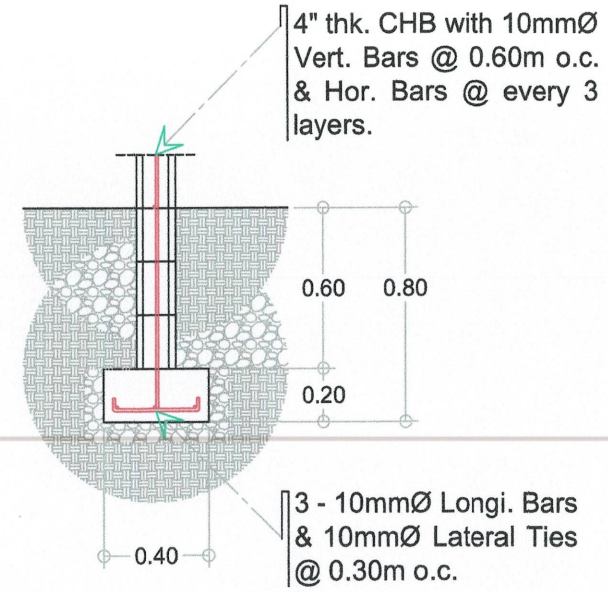


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SCHEDULE OF FOOTINGS

MARK	THK. (mm)	SIZE (m)		BOTTOM BARS		DEPTH OF EXCAVATION	REMARKS
		WIDTH	LENGTH	BAR 'S'	BAR 'L'		
F1	200	1.20	2.40	8 - 12mmØ	16 - 12mmØ	1.20m from NGL	COMBINED FOOTING
F2	200	1.20	1.20	6 - 12mmØ	6 - 12mmØ	1.20m from NGL	ISOLATED FOOTING
VERIFY FOUNDATION PLAN							



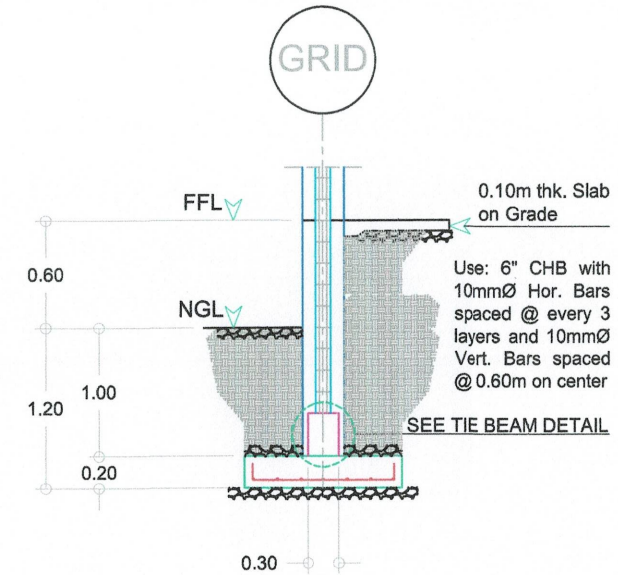
WALL FOOTING DETAIL
NOT TO SCALE

SCHEDULE OF COLUMNS

VERIFY STRUCTURAL PLAN	C1
	SIZE: 300 mm x 300 mm
	VERT. BARS: 8 - 12mmØ
TIES: 1 - 10mmØ / SETS	
3 @ 50mm., 3 @ 100mm., 5 @ 150mm., REST @ 200mm. o.c.	

SCHEDULE OF BEAMS

VERIFY STRUCTURAL PLAN	TB/B1	VERIFY STRUCTURAL PLAN	B2
	SIZE: 200 mm x 400 mm		SIZE: 200 mm x 300 mm
	VERT. BARS: 6 - 12mmØ		VERT. BARS: 4 - 12mmØ
TIES: 1 - 10mmØ / SETS	TIES: 1 - 10mmØ / SETS	TIES: 1 - 10mmØ / SETS	
3 @ 50mm., 3 @ 100mm., 3 @ 150mm., REST @ 200mm. o.c.		3 @ 50mm., 3 @ 100mm., 3 @ 150mm., REST @ 200mm. o.c.	

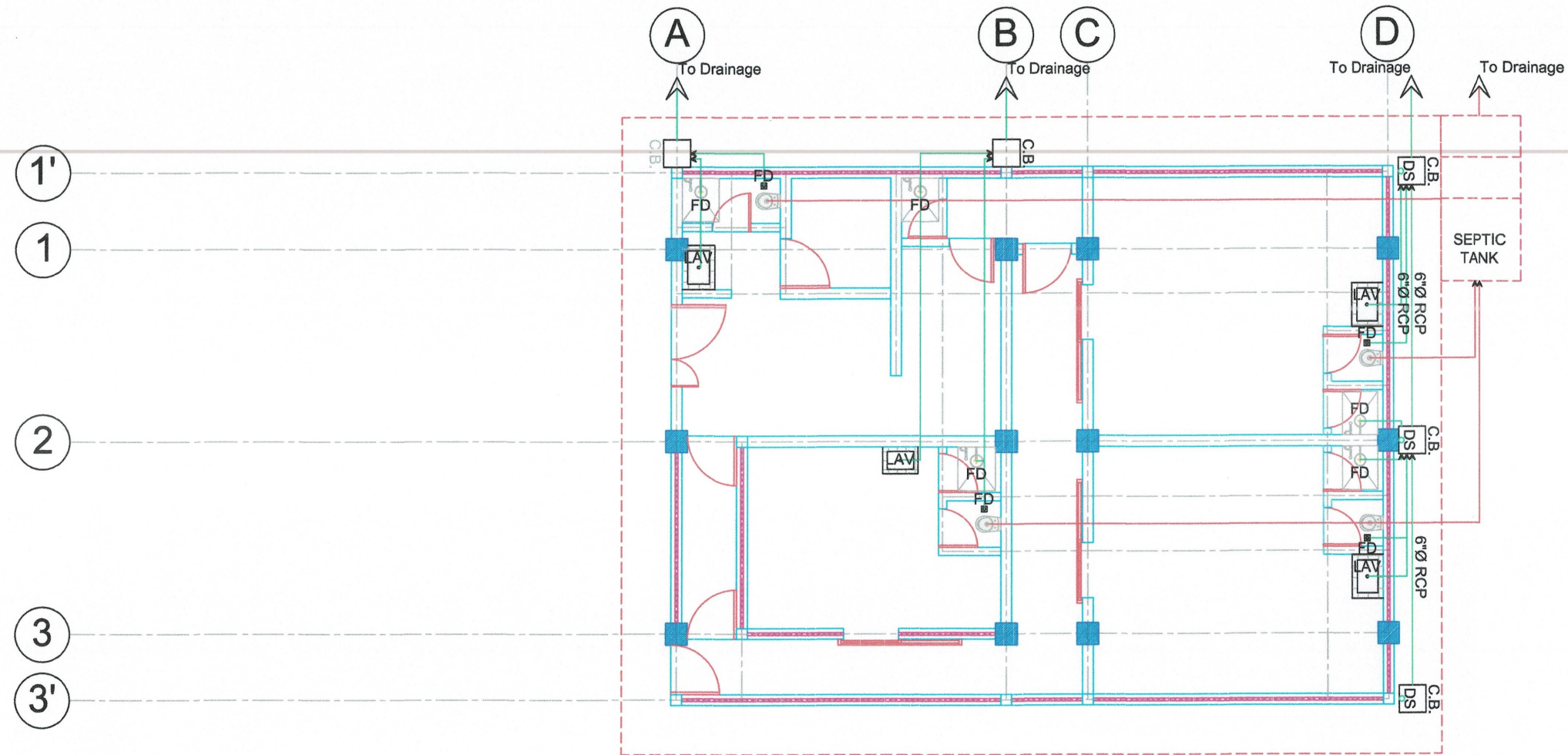


TIE BEAM DETAIL
NOT TO SCALE



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PROJECT ADDRESS:						10 16

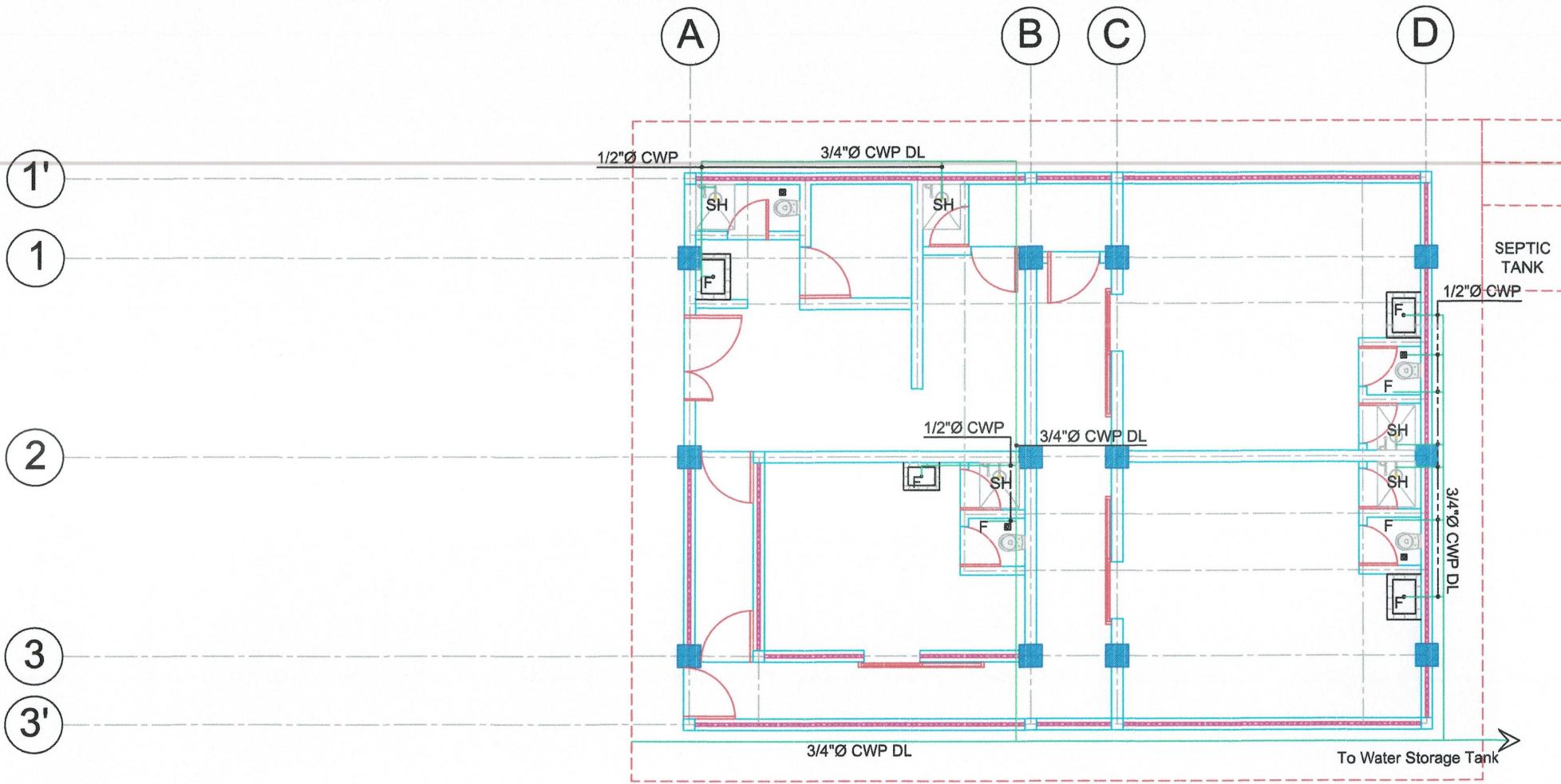


PLUMBING LAYOUT
SCALE 1:75



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WATER LAYOUT
SCALE 1:75



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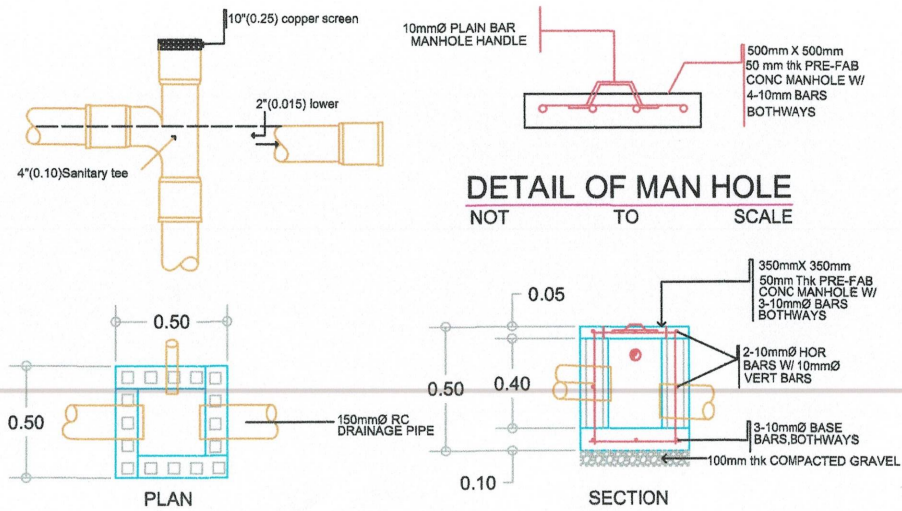
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SPECIFICATION:

1. ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST PROVISIONS OF THE NATIONAL BUILDING CODE.
2. WASTE PIPE LINES MUST BE INSTALLED AT 2% OR 20mm DEGREE PER METER RUN.
3. ALL PIPES TO BE USED MUST 4" Ø uPVC PIPE FOR WASTE WATER & DOWNSPOUT, 3" Ø FOR VENT LINE.
4. ALL PLUMBING INSTALLATIONS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A MASTER PLUMBER OR SANITARY ENGINEER.

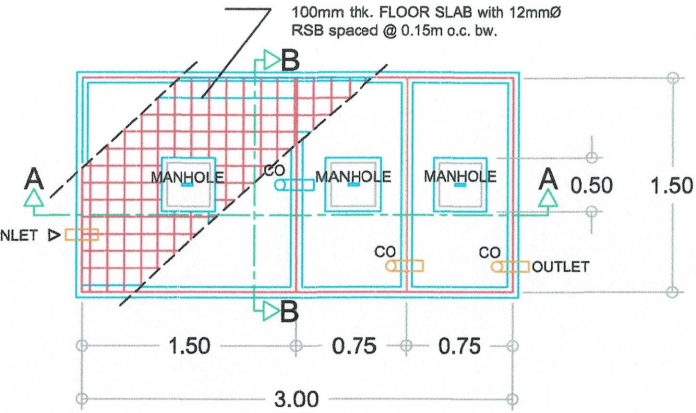
PLUMBING LEGEND:

-----	WASTE PIPE	CB	CATCH BASIN
-----	DRAIN PIPE	CO	CLEAN OUT
-----	6" C RC DRAINAGE PIPE	CV	CHECK VALVE
WC	WATER CLOSET	GV	GATE VALVE
LAV	LAVATORY	WM	WATER METER
SH	SHOWER	CP	CLEARWATER PIPE
KS	KITCHEN SINK	WP	WASTE PIPE
F	FAUCET	DP	DRAINAGE PIPE
FD	FLOOR DRAIN	RCP	REINFORCED CONCRETE PIPE
VTR	VENT STACK THRU ROOF		

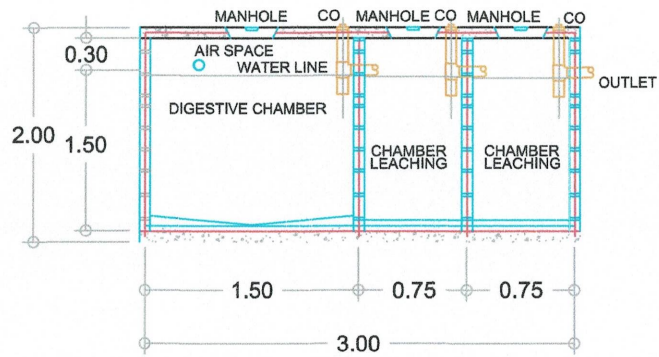


DETAIL OF MAN HOLE
NOT TO SCALE

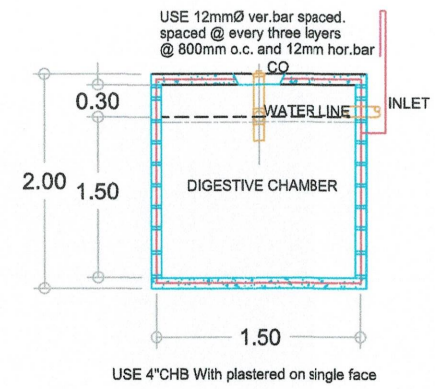
DETAIL OF CATCH BASIN
NOT TO SCALE



SEPTIC TANK PLAN
NOT TO SCALE



SECTION A - A
NOT TO SCALE

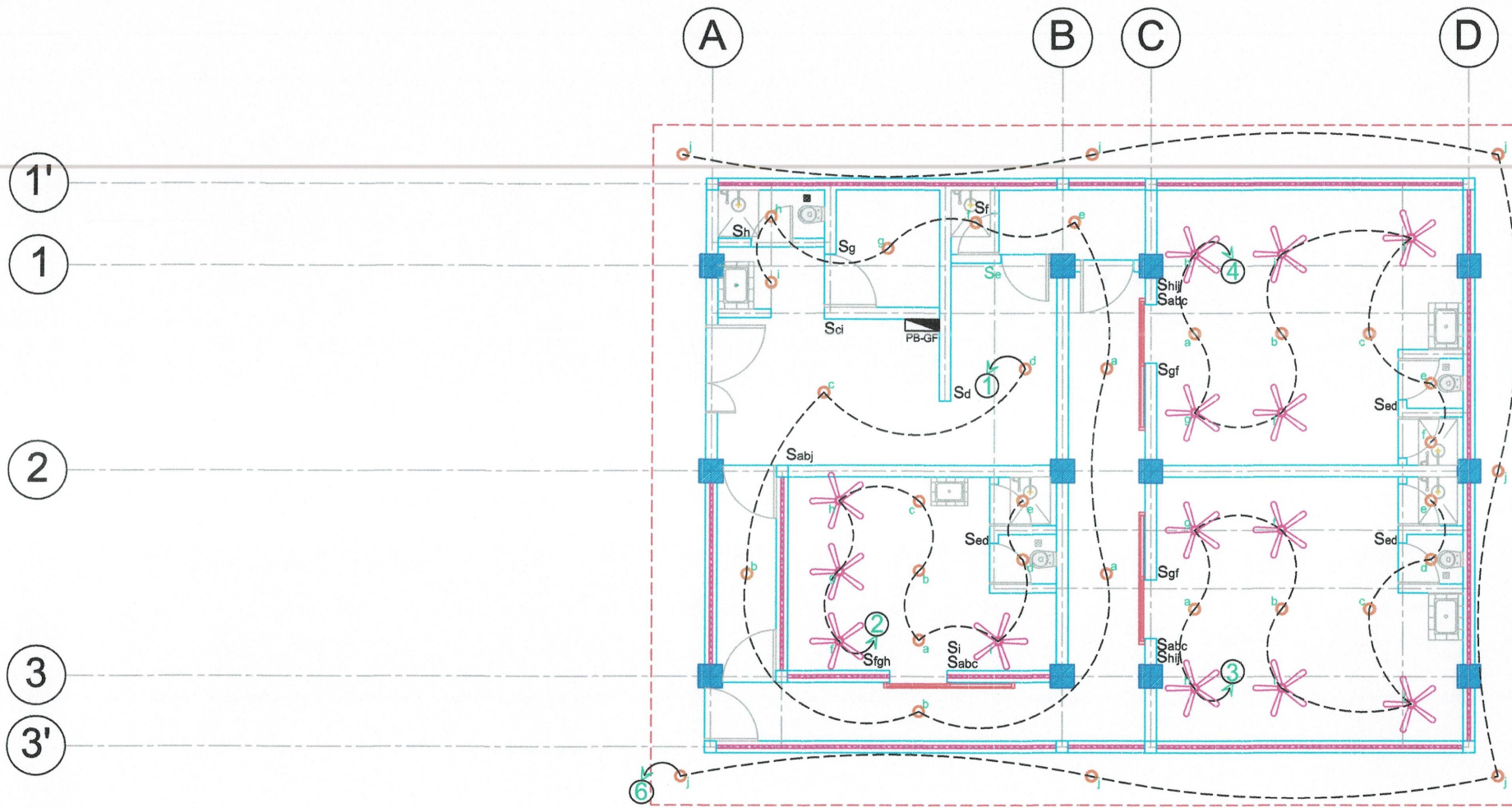


SECTION B - B
NOT TO SCALE



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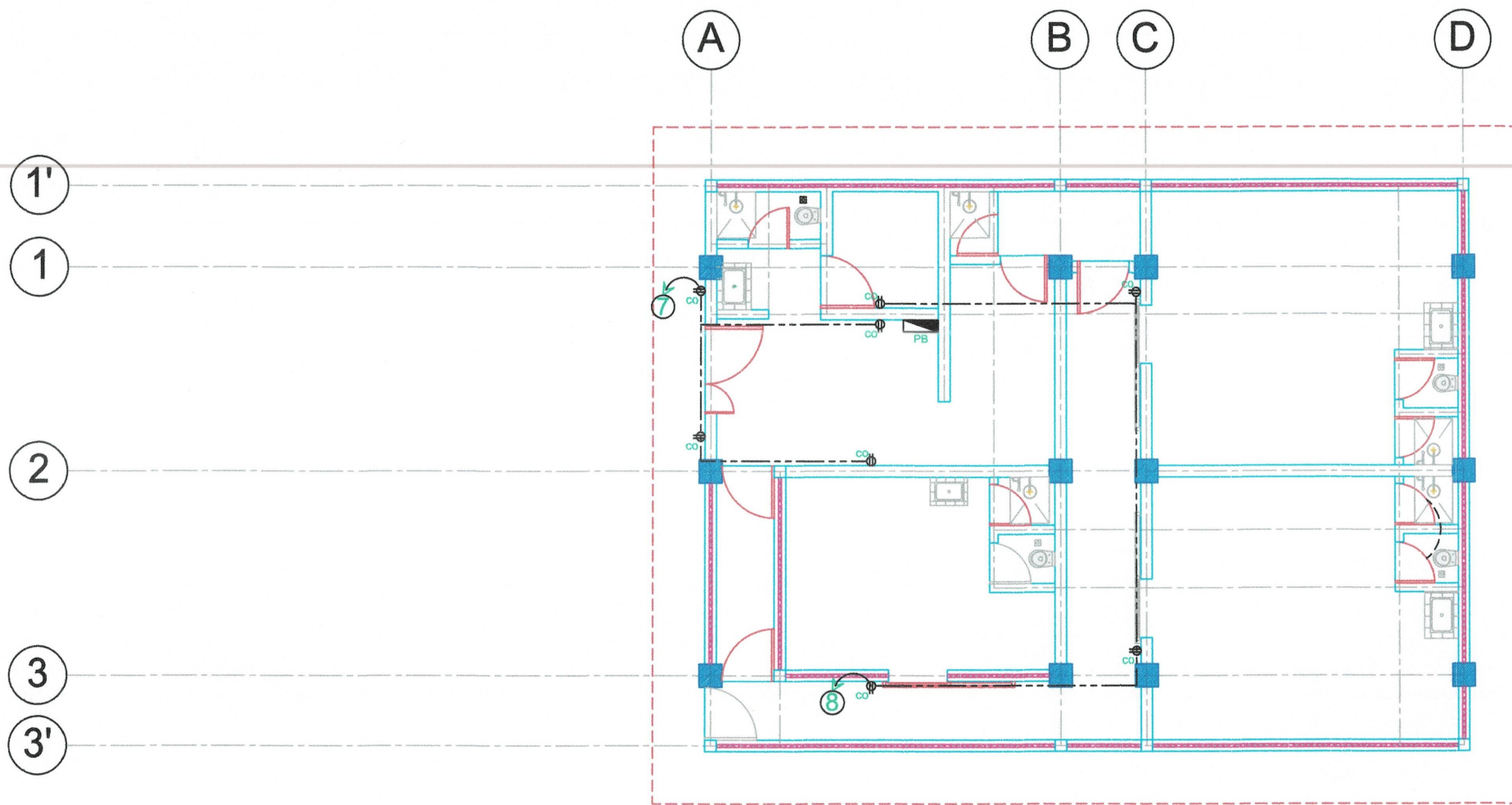


LIGHTING LAYOUT
SCALE 1:75



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POWER LAYOUT
SCALE 1:75



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PROJECT ADDRESS:						

GENERAL NOTES:

All works must be done in accordance with this Plan and Specification and shall be conformity with the latest edition of the Philippine Electrical Code (PEC) requirements of the enforcing authorities and requirements of the local power company.

A duly Licensed electrical Engineer or Master Electrician shall be in charge of the Installation during construction.

- All parts of electric equipment shall be properly and effectively grounded.
- Service voltage to the building shall be 230V, PH 1,2w,60H.
- Minimum size of wire and conduit shall be 2.0mm TW copper and 15mmØ (I.D.) respectively.
- For each spare circuiting the panel board provide empty 20mm inside Ø pvc terminating in a 100mm octagon box above ceiling.
- No revision in the design shall be done without written consent of the signing professional Electrical Engineer, only revision done without such approval shall cause responsibility of the pee to cease as a whole.
- Mounting heights (from horizontal centerline) shall be.

Panel Board	=	1370mm (4'-0")
Switches	=	1370mm (4'-0")
Outlet	=	460mm (18")
KWHM	=	1520mm (5'-0")
- All materials shall be new and approved type circuit breakers General Electric "GE".
- PVC and uPVC shall be moldex or equivalent approved quality.

- Panel board shall be approved type, with copper busbar.
- Wiring devices (switches and outlets) shall be toshiba or equivalent.
- Wires and cables shall be duraflex phiflex Columbia or approved equivalent.

LEGENDS:

	Pin light		3-GANG SWITCH
	CEILING MOUNTED LIGHTING OUTLET		2-GANG SWITCH
	CONVENIENCE OUTLET		AIRCON OUTLET
	FLOURESCENT LAMP		3- way Switch
	REFRIGERATOR OUT LET		Single Switch
	RANGE OUTLET		switch contour
	PANEL BOX		Telephone Outlet
	CIRCUIT HOMERUN		fan line
	SERVICE ENTRANCE		power line
	CIRCUITRY RUN THRU CEILING		circuit number
	CIRCUITRY RUN THRU WALL		switch line
	CIRCUIT BREAKER		ceiling fan
			switch for fan

SCHEDULE OF LOADS

PB G/F
LOCATION: GROUND FLOOR

CKT. NO.	DESCRIPTION	No. of OUTLET	WATTS	VOLTS	AMPS	CB	SIZE OF WIRE & CONDUIT
PANEL BOX							
1	LIGHTING OUTLET	11	1100	230	4.78	20AT	3.5mm ² THHN +2.0TW gnd, 20mmØ PVC
2	LIGHTING OUTLET	9	900		3.91	20AT	3.5mm ² THHN +2.0TW gnd, 20mmØ PVC
3	LIGHTING OUTLET	10	1000		4.35	20AT	3.5mm ² THHN +2.0TW gnd, 20mmØ PVC
4	LIGHTING OUTLET	10	1000		4.35	20AT	3.5mm ² THHN +2.0TW gnd, 20mmØ PVC
5							
6	LIGHTING OUTLET	7	700		3.04	20AT	3.5mm ² THHN +2.0TW gnd, 20mmØ PVC
7	CONVENIENCE OUTLET	5	900		3.91	20AT	
8	CONVENIENCE OUTLET	4	720		3.13	20AT	
9	S P A R E	1	2000			20AT	
10	S P A R E	1	2000				
	TOTAL		11820	230	33.99		
<p> $P = 1.73VI$ $I = 11820 / 1.73 * 230 * 0.80$ $I = 37.13 A$ </p> <p> Use: 50 AT 3ph 230V Industrial type 3 - 22.0 sqmm THHn +14 sqmm TW gnd 1 - 1/4" DIA IMC pipe all Branches are 1 phase and bolt on type NEMA 1 encl. wall mounted </p>							



PROJECT TITLE:	DRAFTED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET NO.:
PROPOSED CONSTRUCTION OF ONE - STOREY ISOLATION FACILITY	Gerald G Balcyos Jail Officer 2 JMP Staff, Logistics Division	MARICAR C GONZALES Jail Senior Inspector (RCE) JMP Regional Engineer	RENZ JOSEPH D BASCUGIN Jail Chief Inspector JMP Chief, Logistics Division	JOLLY C TAGUIAM JR Jail Chief Superintendent DSC Regional Director of the Jail Bureau	AS SHOWN	E - 3 16 16
PROJECT ADDRESS:						