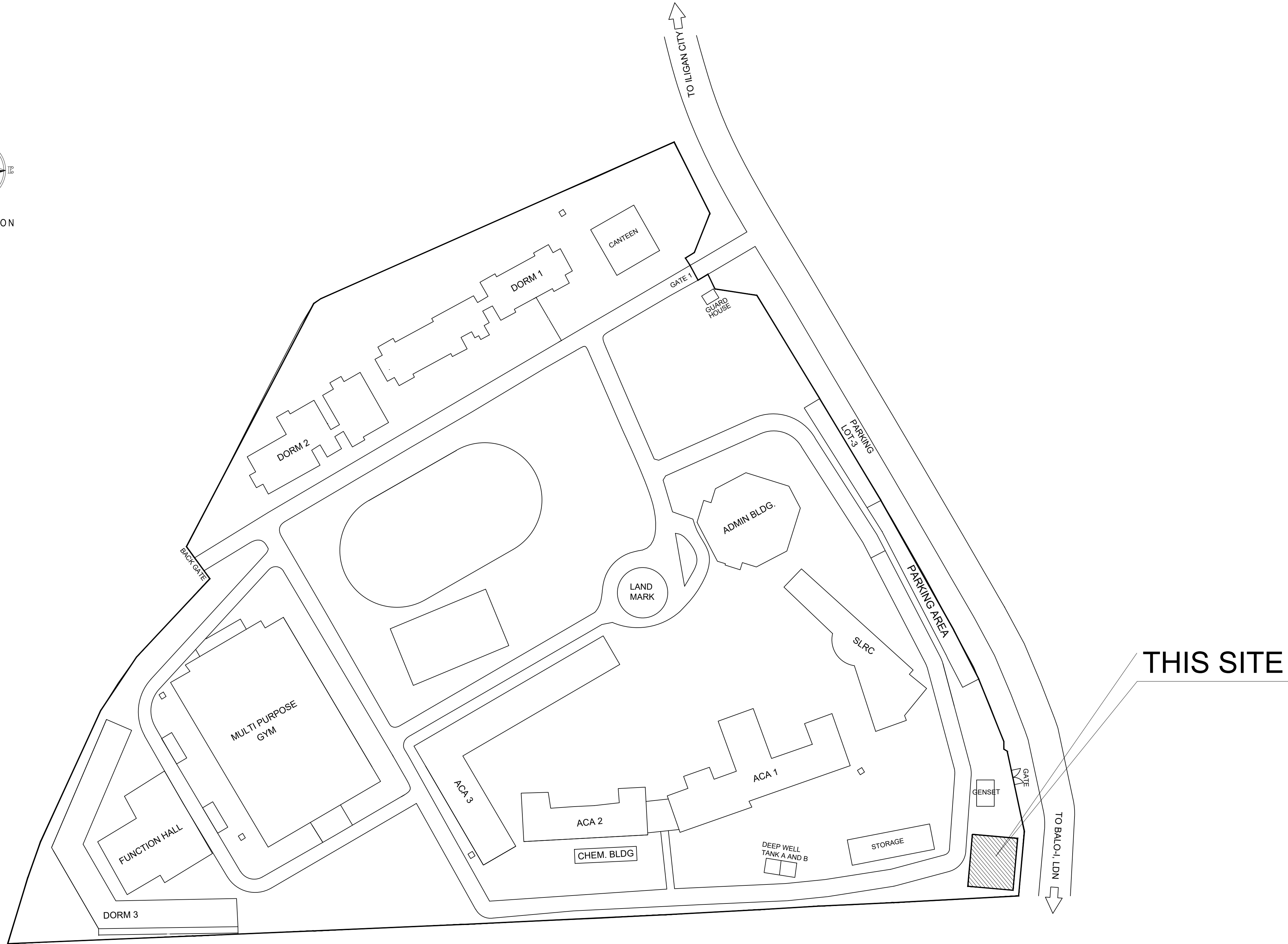
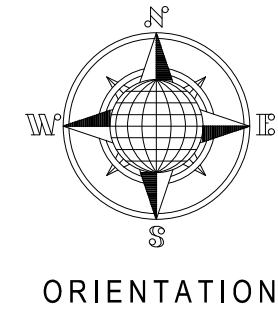


DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS OFFICE OF THE BUILDING OFFICIAL
DISTRICT/CITY/MUNICIPALITY
BUILDING OFFICIAL
LAND USE AND ZONING
LINE AND GRADE
ARCHITECTURAL
STRUCTURAL
SANITARY
ELECTRICAL
MECHANICAL
FIRE AND SAFETY



LOCATION PLAN
SCALE: NTS.



Republic of the Philippines
Department of Science and Technology
PHILIPPINE SCIENCE HIGH SCHOOL
CENTRAL MINDANAO CAMPUS
Nangka, Balo-i, Lanao Del Norte



JJJASH
CONSTRUCTION
INSTALLATION

PREPARED BY :
Engr. Rannie C. Cabuyao
Civil Engineer
REG. NO. 0112775
PTR NO. 4277266
DATE: 01-14-2020
TIN. NO. 948-120-928

REVIEWED BY :
Queen Jelly L. Tomawis
Resident Engineer

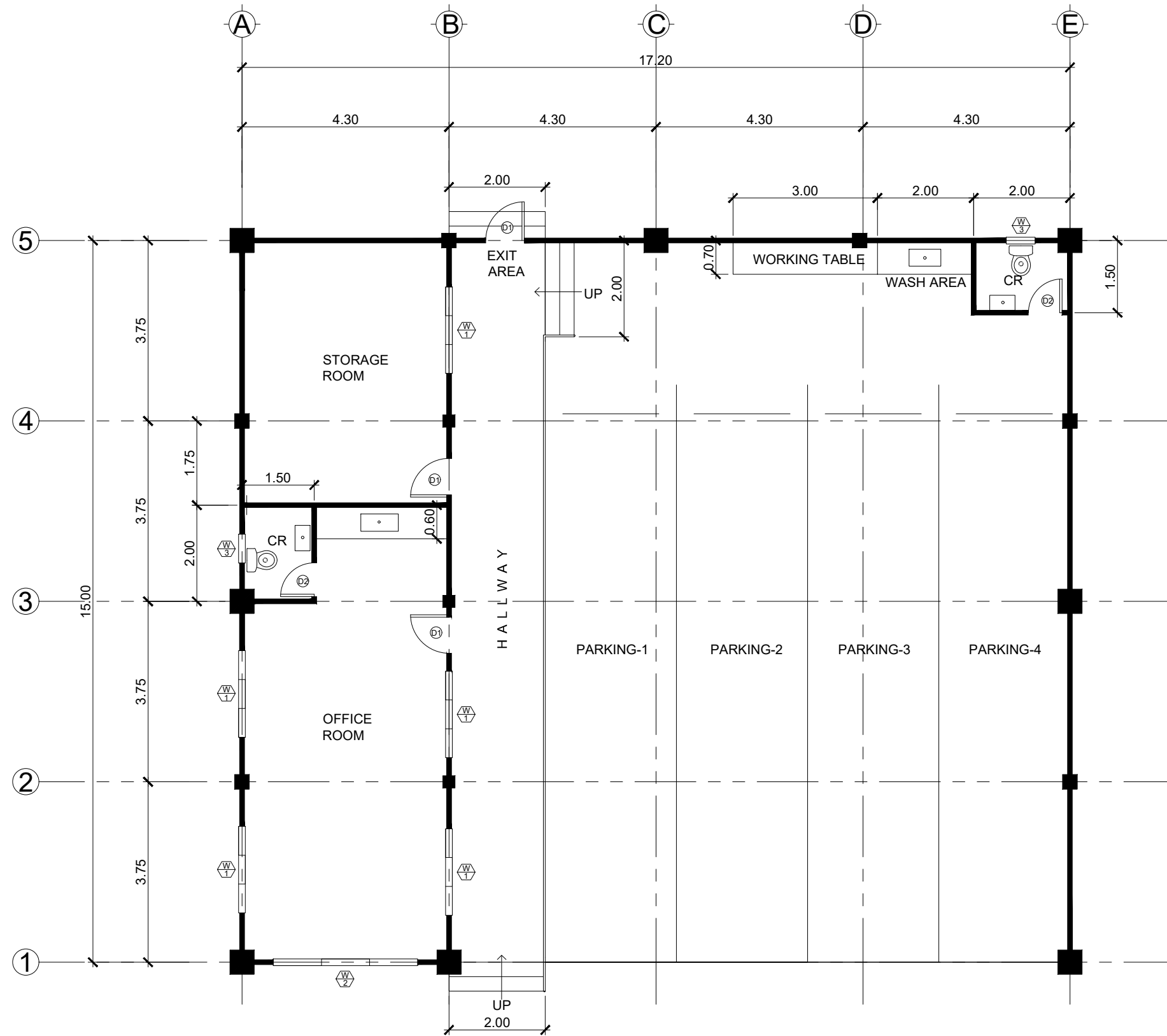
CHECKED BY :
Jayson C. Vacundar
Acting Head Engineer

APPROVED BY :
Franklin L. Salisid
Campus Director

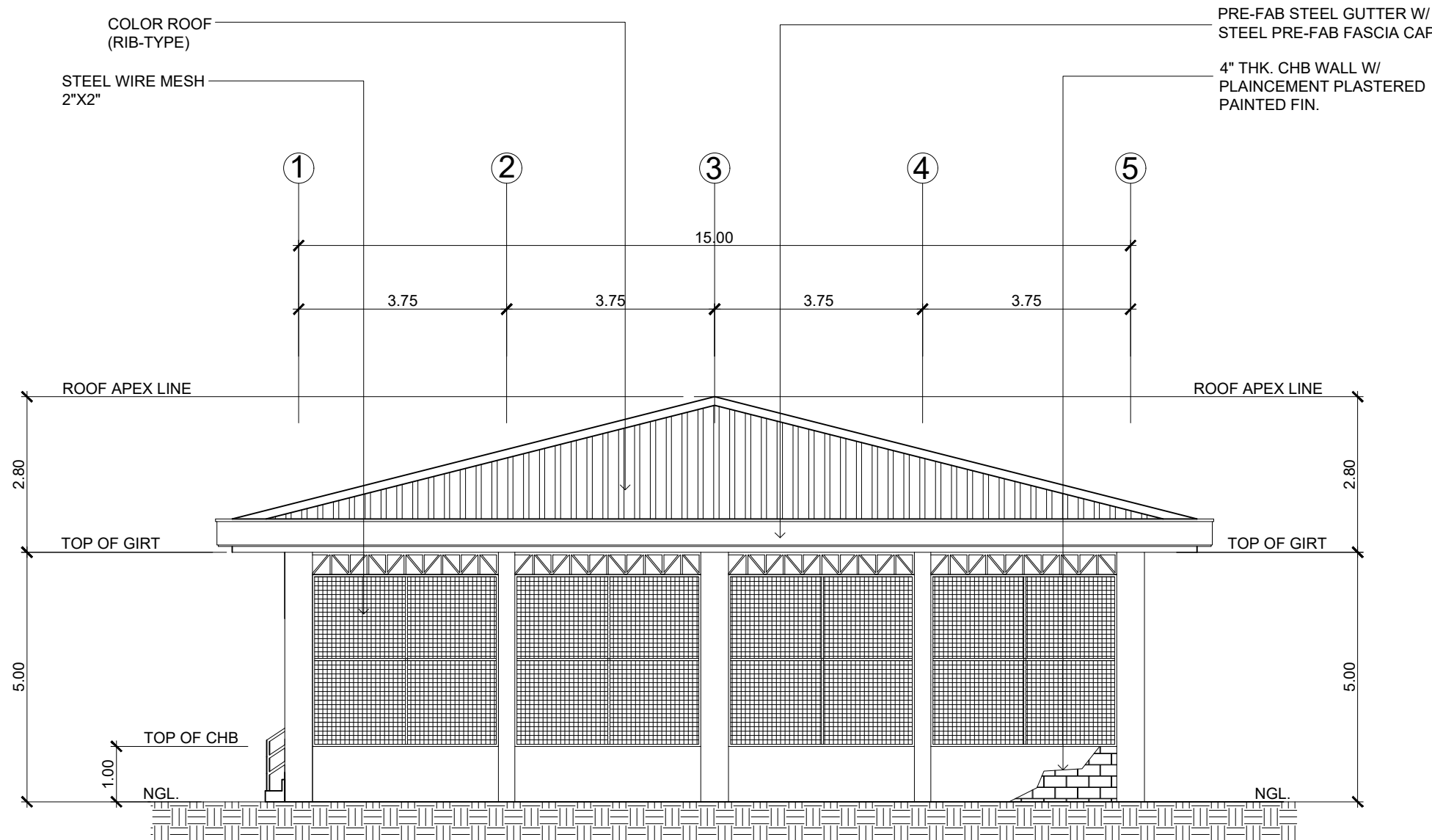
PROJECT:
PROPOSED MOTOR POOL
AND PARKING AREA
LOCATION: NANGKA, BALOI-I, LANAO DEL NORTE

SHEET CONTENTS :
LOCATION PLAN

SHT. NO.
2/8



FLOOR PLAN
SCALE: 1:100 M.



RIGHT SIDE ELEVATION
SCALE: 1:100 M.

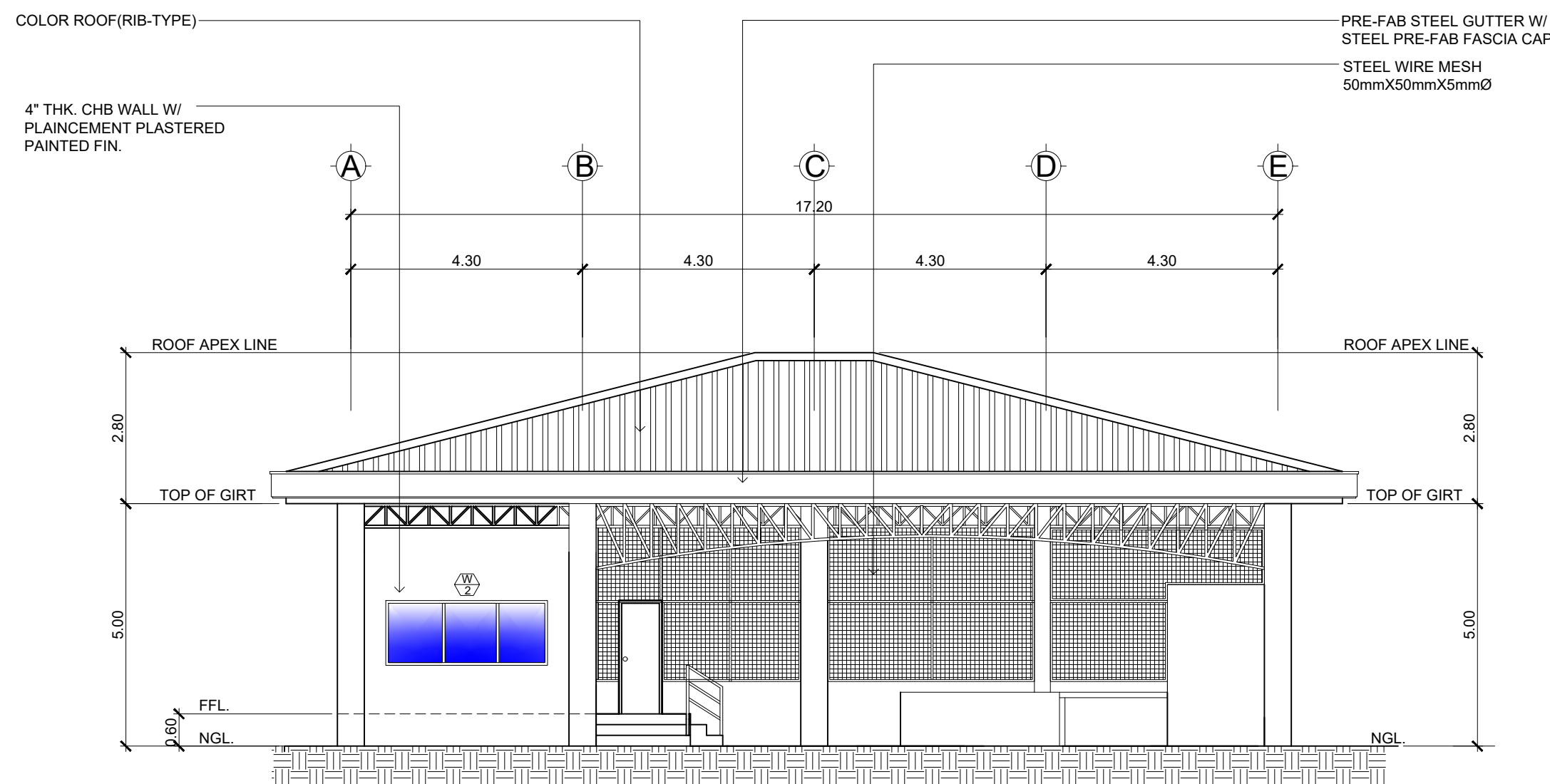
FLOOR & WALL FINISH SCHEDULE

WALL FINISHES:

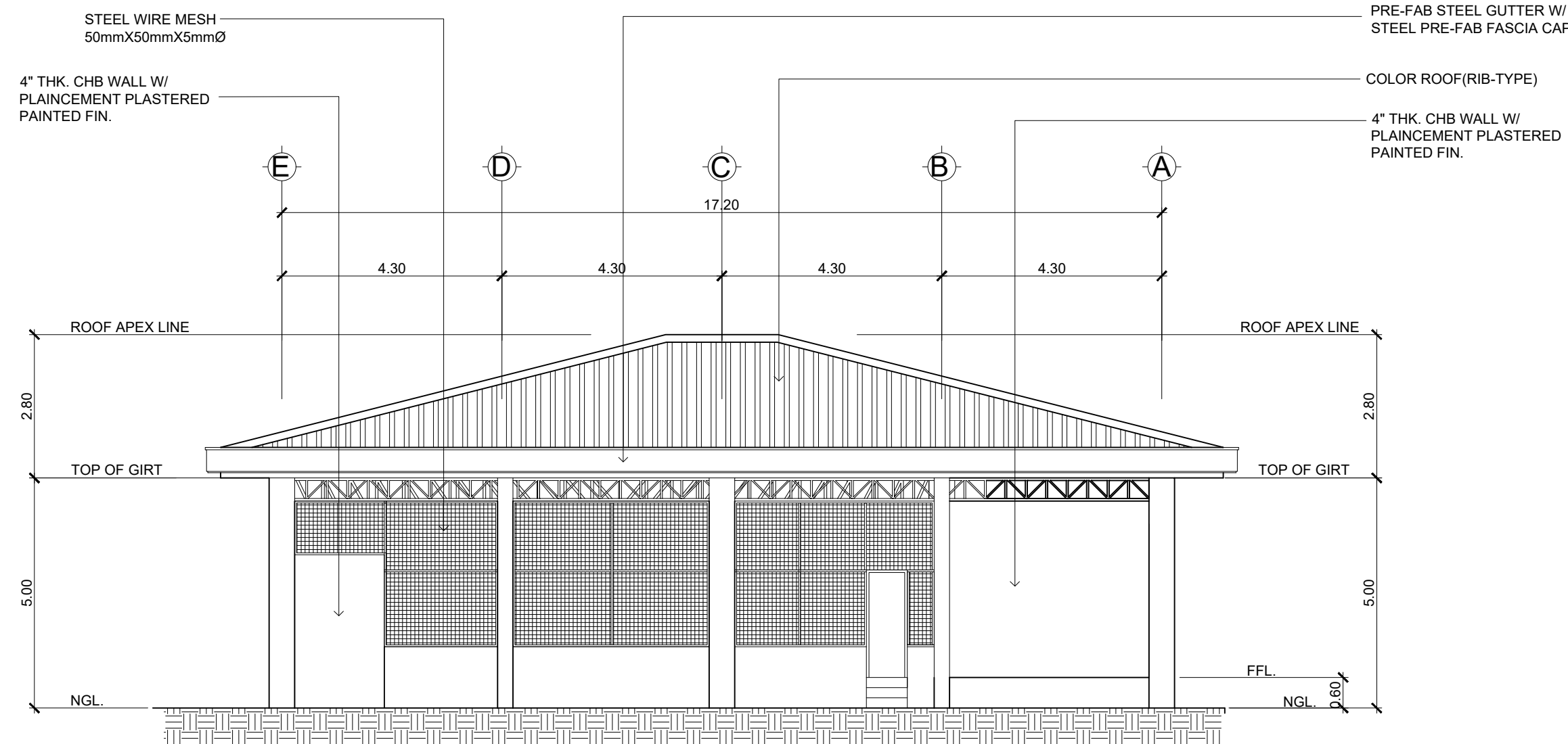
CR	0.60mX0.60m CERAMIC TILES GLAZED (1.5m HEIGHT)
BLDG. INTERIOR & EXTERIOR	PLAIN CEMENT PLASTER PAINTED FIN.

FLOOR FINISHES:

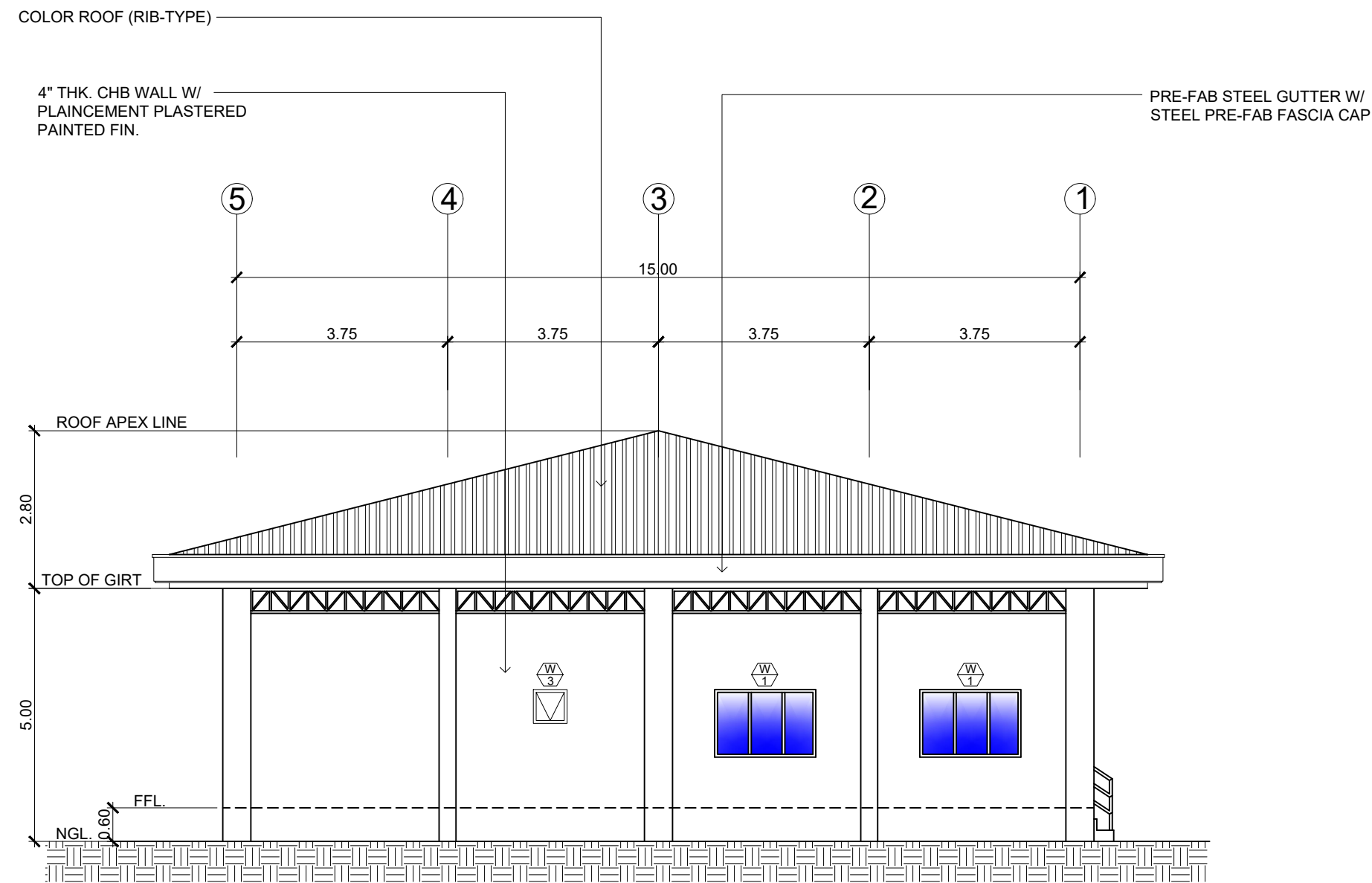
OFFICE ROOM	0.60mX0.60m beige floor tiles(office)
HALLWAY	ROUGH CONCRETE FINISH
STORAGE ROOM	PLAIN CEMENT FINISH (SMOOTH)
PARKING AREA	ROUGH CONCRETE FINISH
CR	0.60mX0.60m CERAMIC TILES UNGLAZED



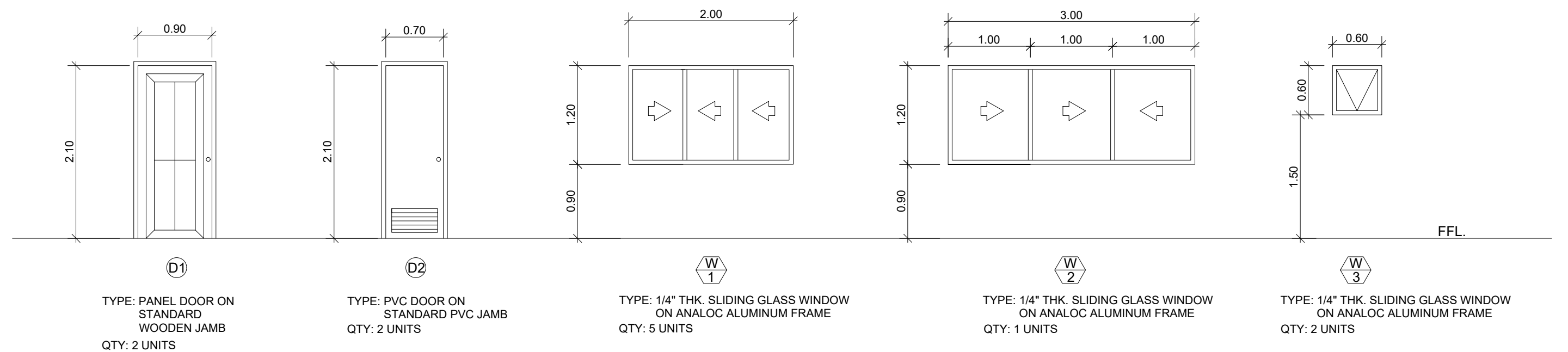
FRONT ELEVATION
SCALE: 1:100 M.



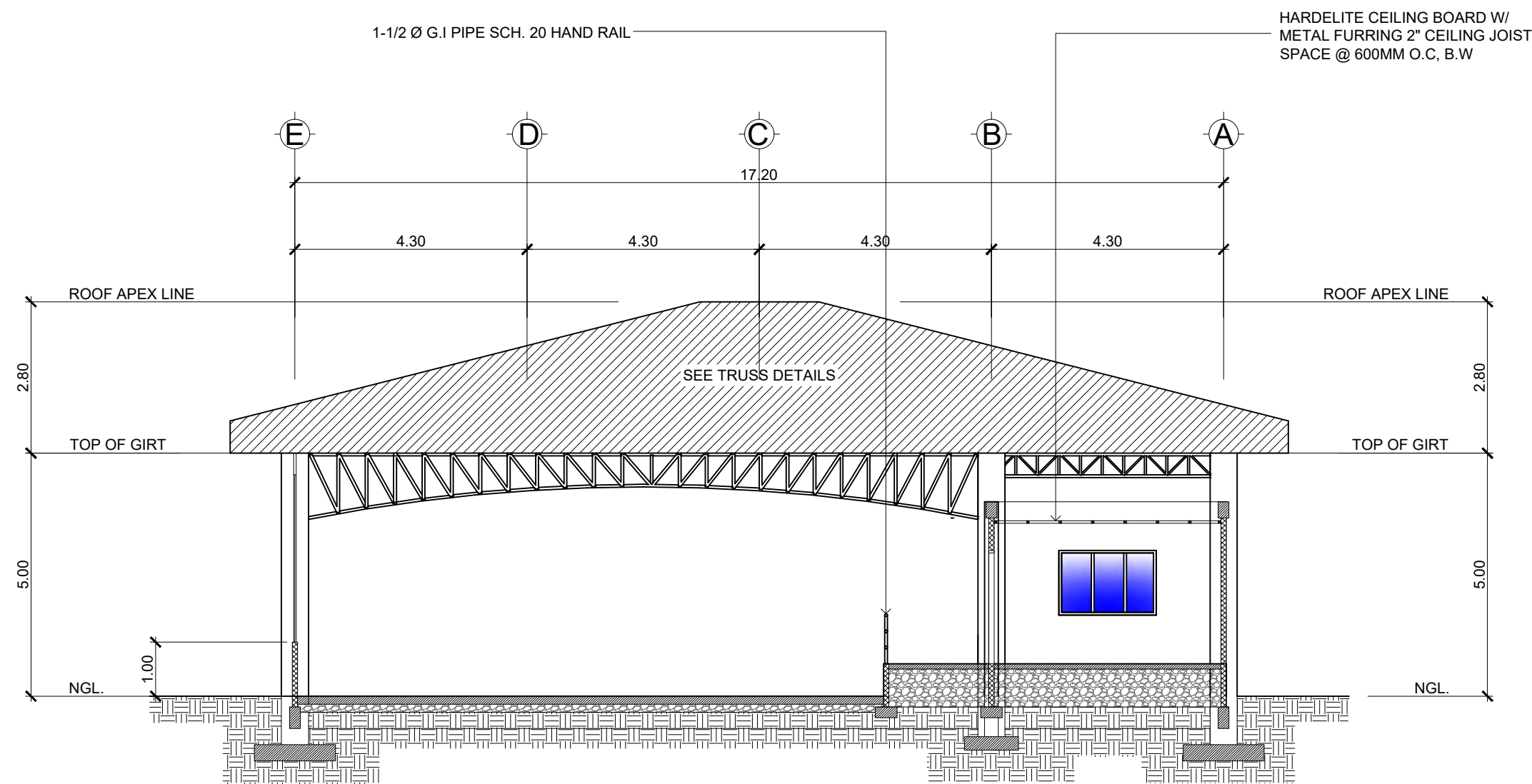
REAR ELEVATION
SCALE: 1:100 M.



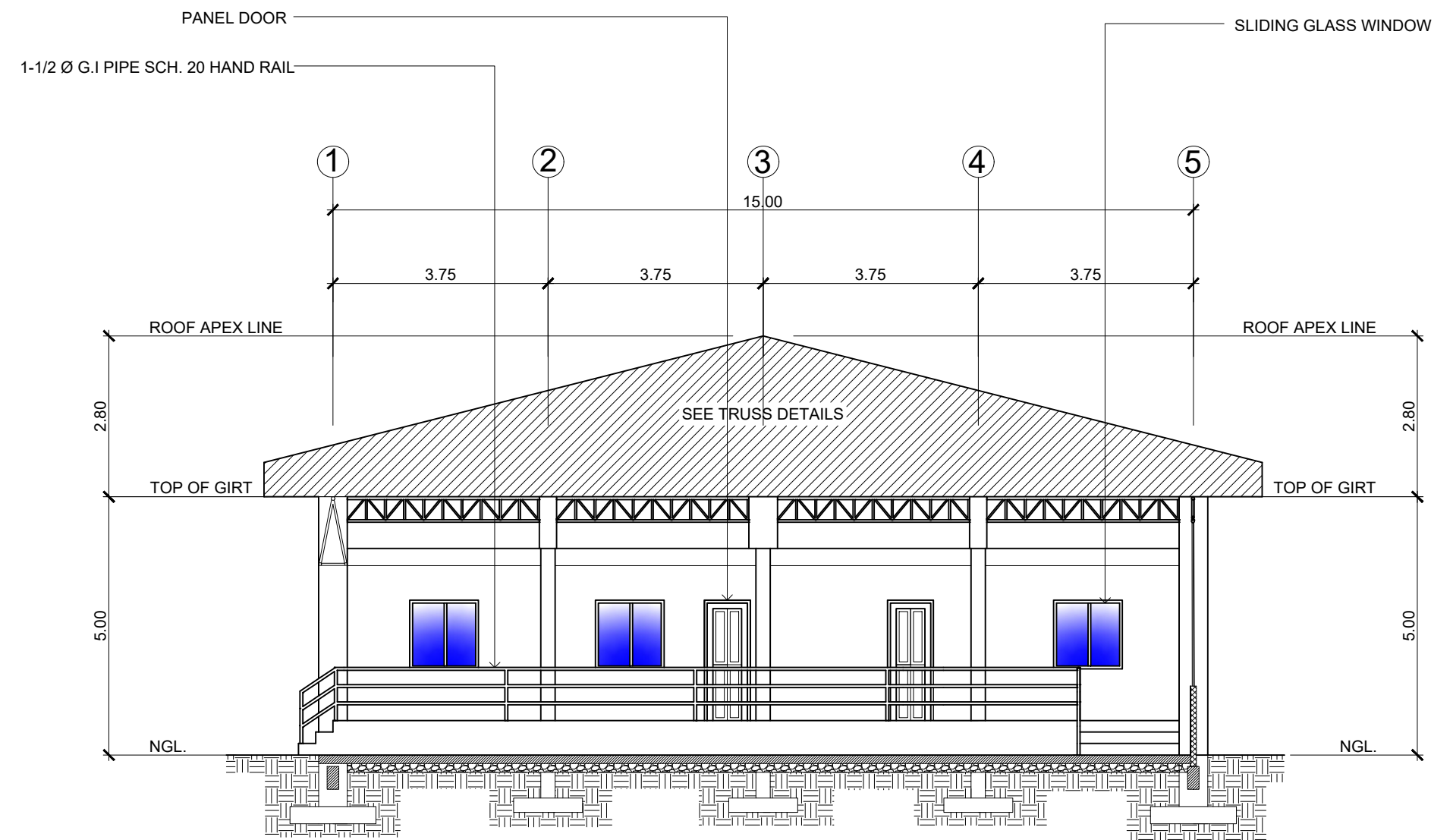
RIGHT SIDE ELEVATION
SCALE: 1:100 M.



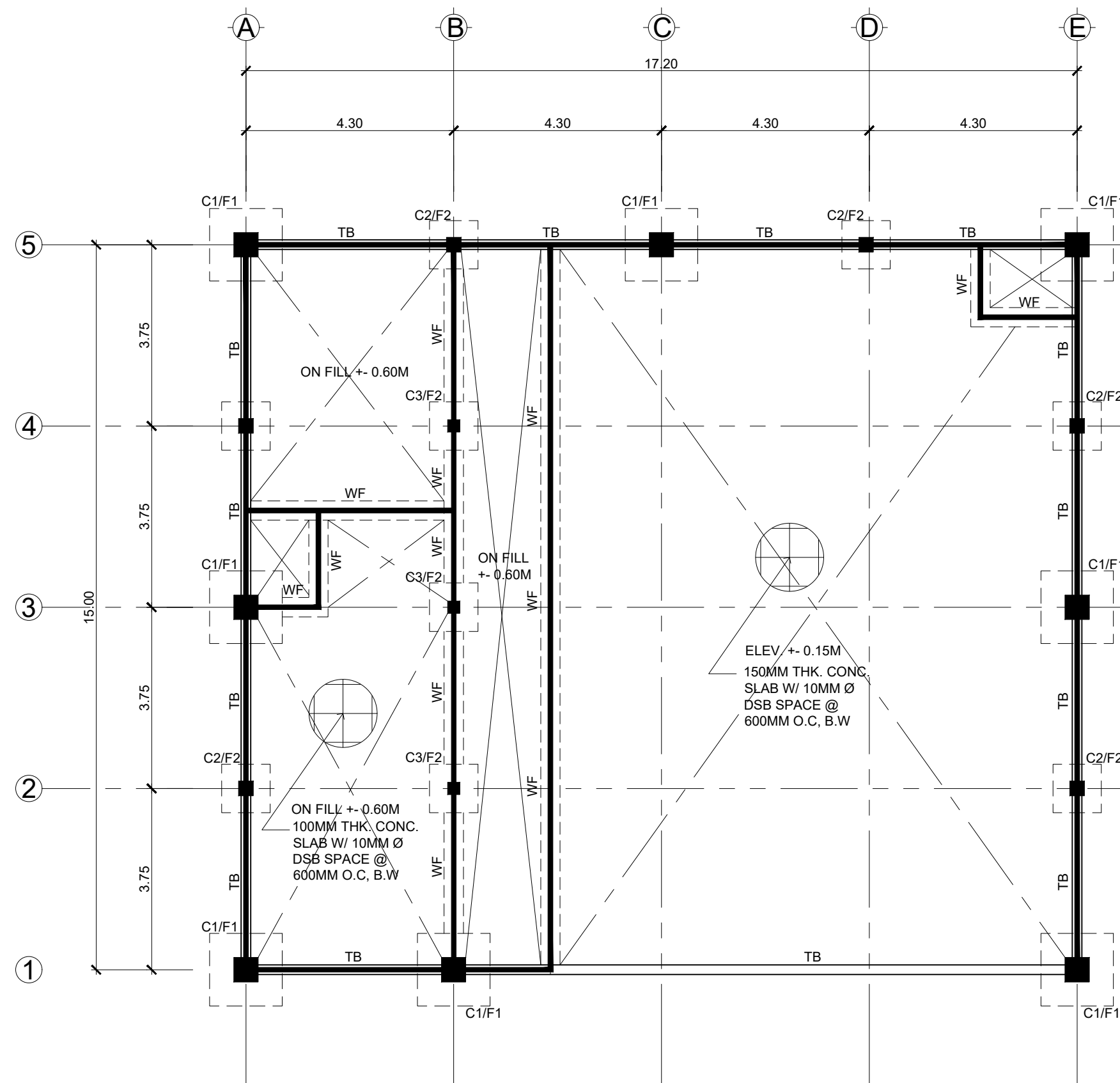
SCHEDULE OF DOORS AND WINDOWS
SCALE: 1:50 M.



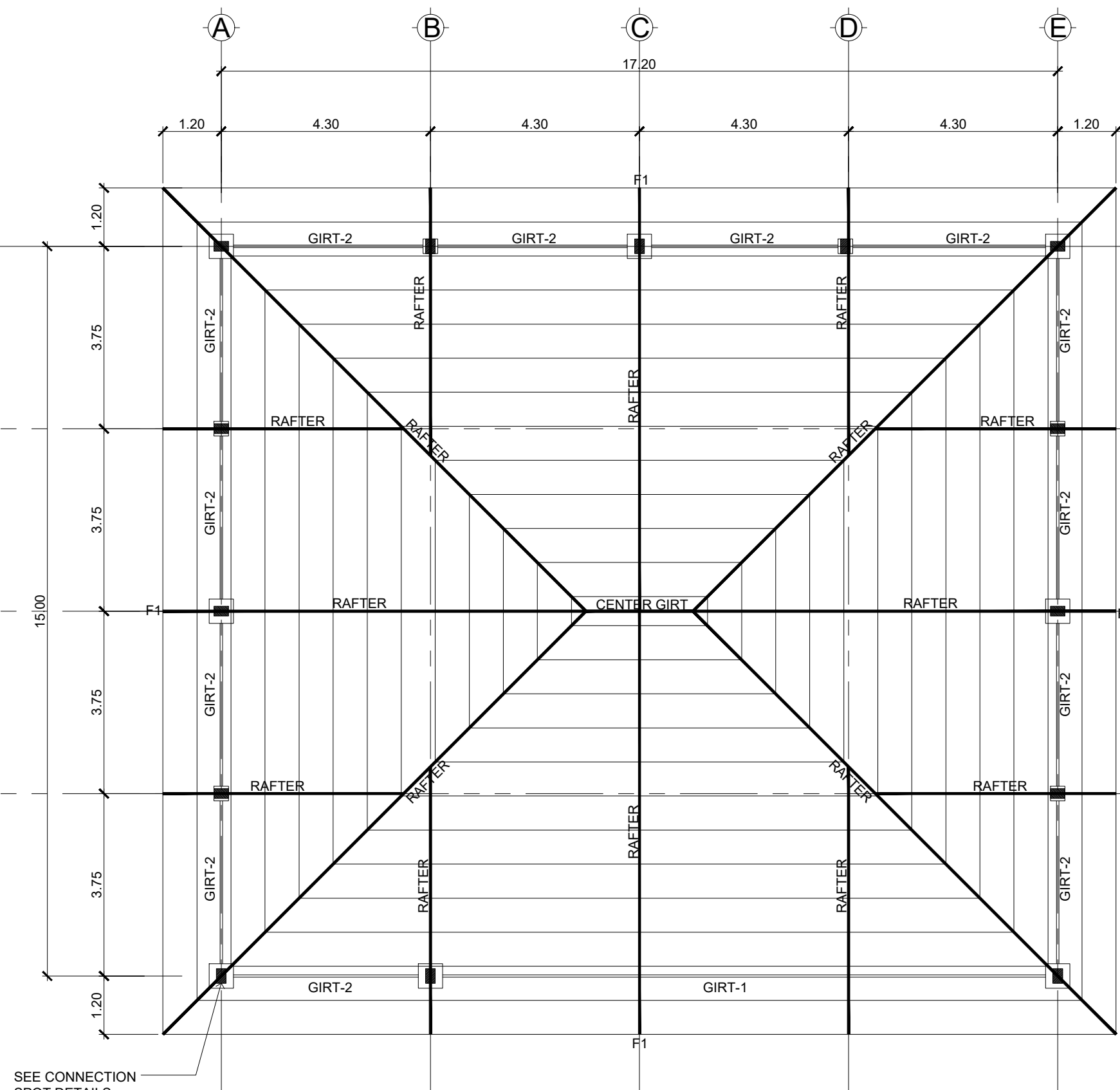
SECTION THRU "A-A"
SCALE: 1:100 M.



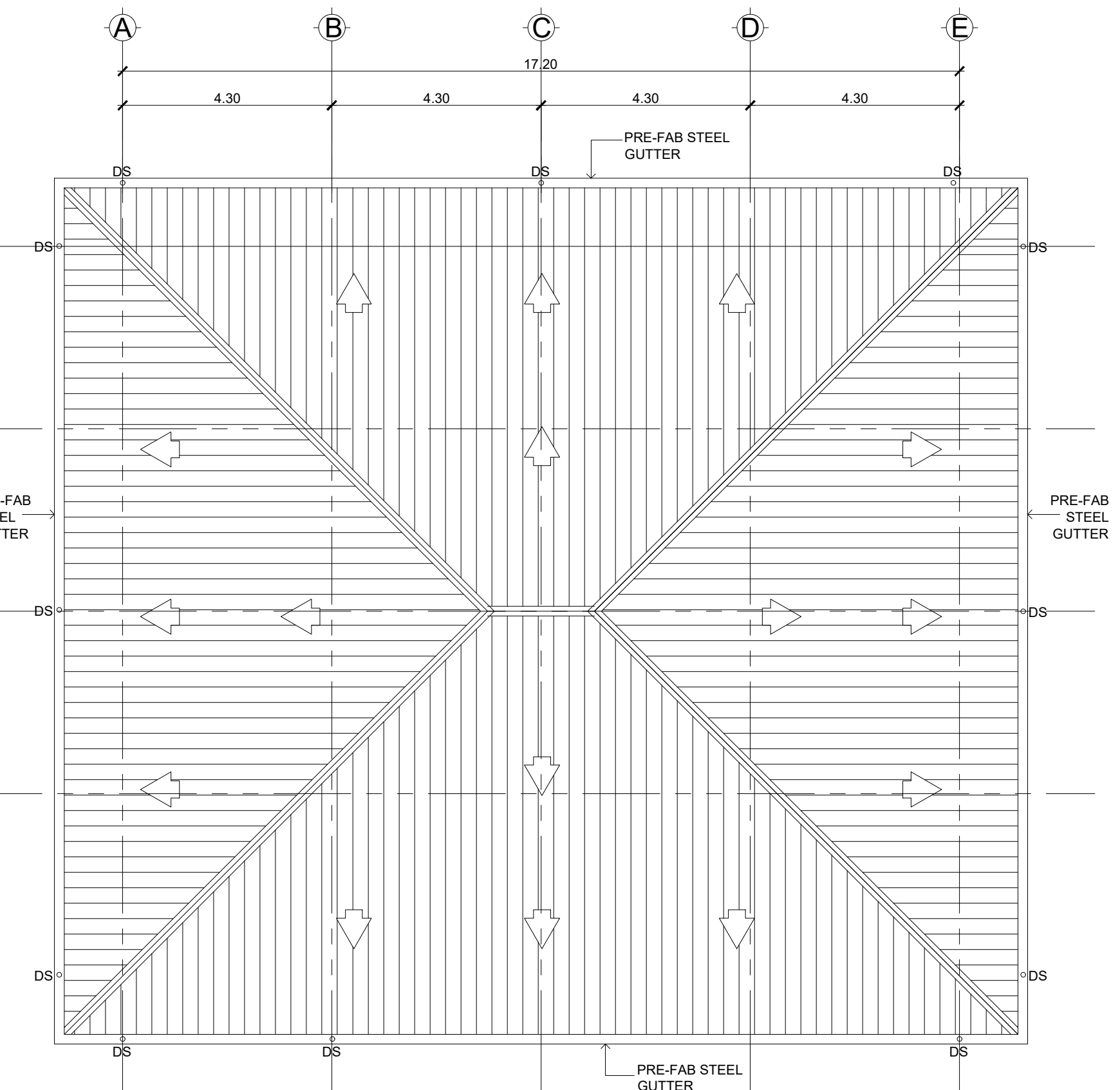
SECTION THRU "B-B"
SCALE: 1:100 M.



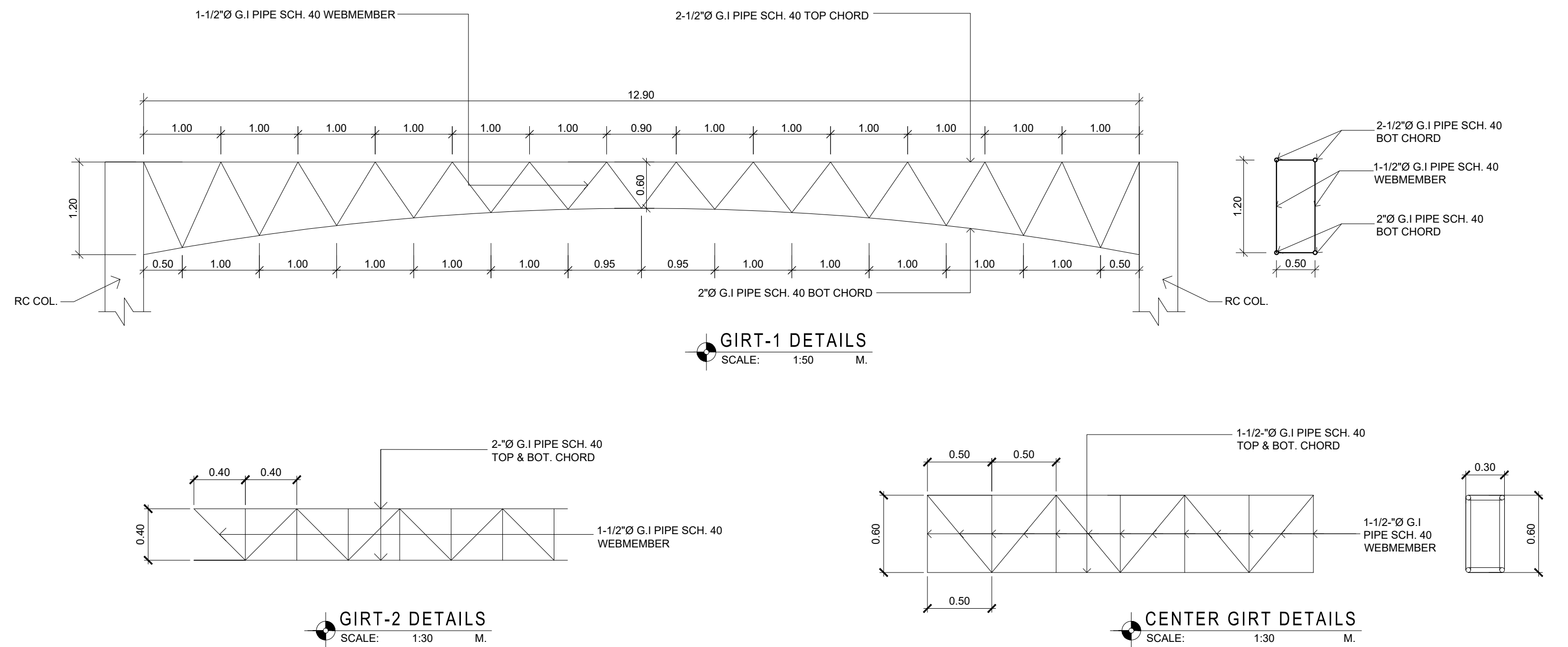
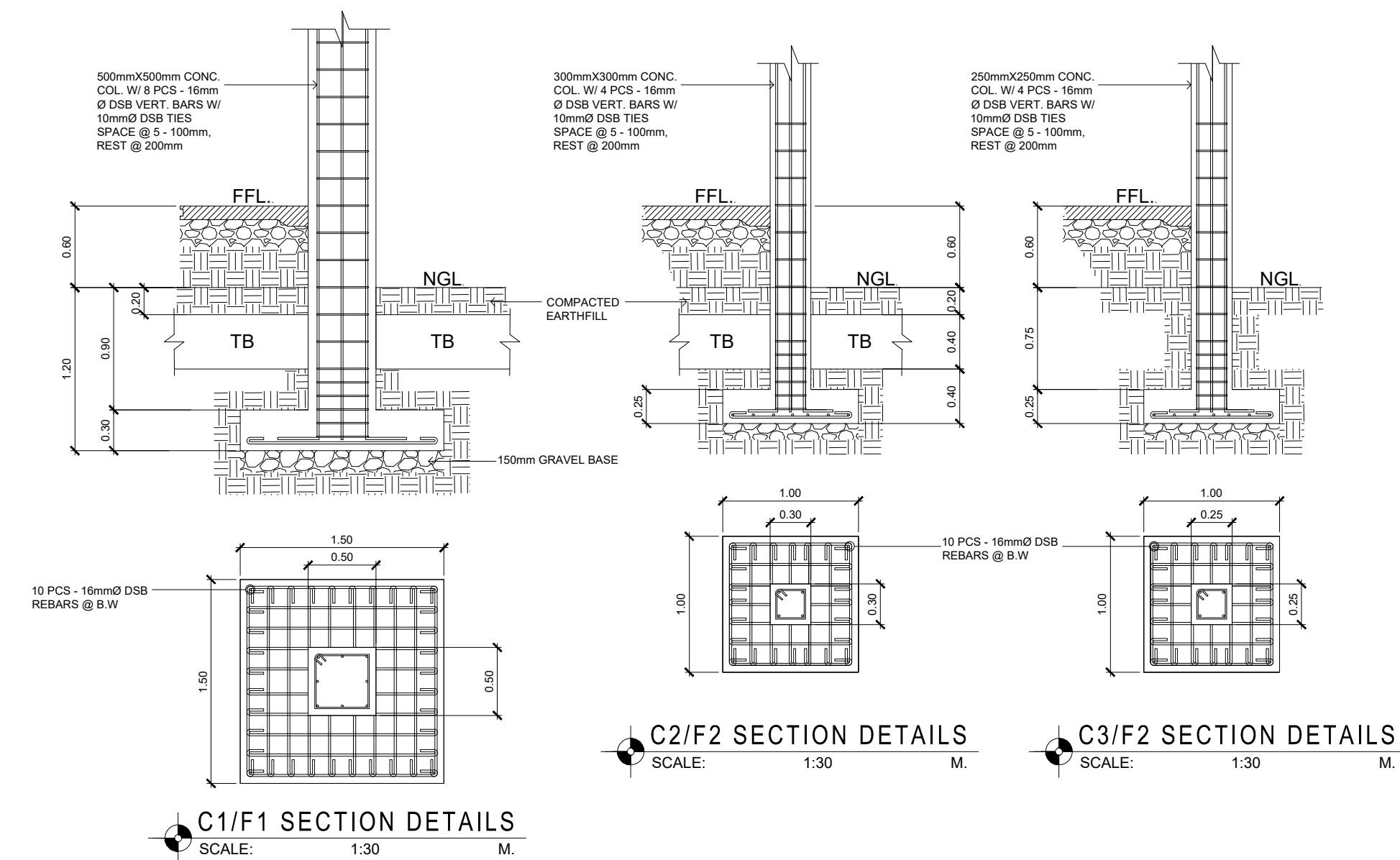
FOUNDATION PLAN
SCALE: 1:100 M.





ROOF FRAMING PLAN
SCALE: 1:100 M.



ROOF PLAN
SCALE: 1:100 M.



<div></div> <div>Republic of the Philippines Department of Science and Technology PHILIPPINE SCIENCE HIGH SCHOOL CENTRAL MINDANAO CAMPUS Nangka, Bala-i, Lanao Del Norte</div>	PREPARED BY :			REVIEWED BY :	CHECKED BY :	APPROVED BY :	PROJECT:	SHEET CONTENTS :	SHT. NO.
	<div></div> <div>JJJASH CONSTRUCTION INSTALLATION</div>	Engr. Rannie C. Cabuyao Civil Engineer	REG. NO. 0112775	Queen Jelly L. Tomawis Resident Engineer	Jayson C. Vacundar Acting Head Engineer	Franklin L. Salisid Campus Director	PROPOSED MOTOR POOL AND PARKING AREA	FOUNDATION PLAN ROOF FRAMING PLAN ROOF PLAN C1/F1 SECTION DETAILS C2/F2 SECTION DETAILS C3/F2 SECTION DETAILS GIRT-1 DETAILS GIRT-2 DETAILS CENTER GIRT DETAILS	<div>5/8</div>
			PTR NO. 4277286						
			DATE: 01-14-2020						
		TIN. NO. 948-120-928					LOCATION: NANGKA, BALO-I, LANAO DEL NORTE		

GENERAL NOTES:

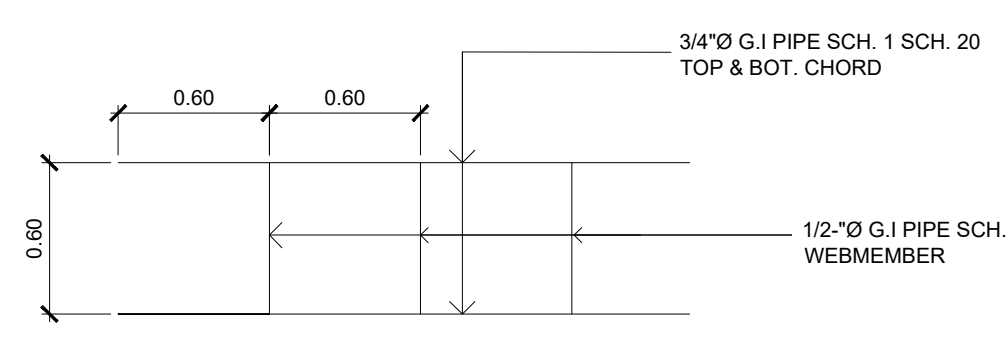
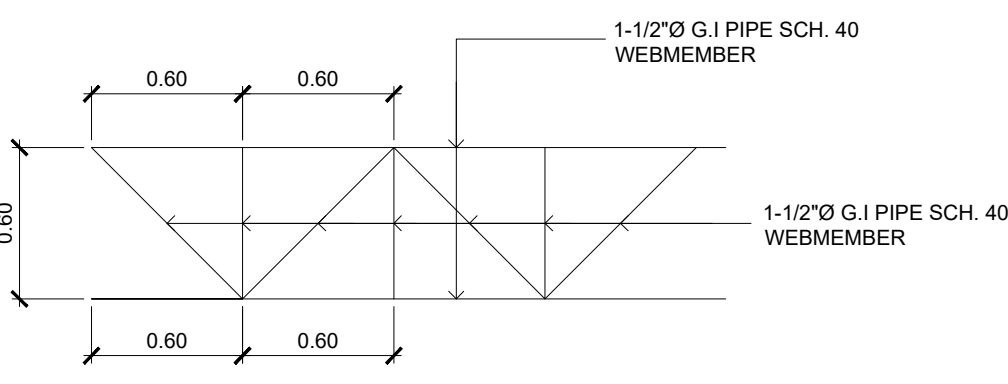
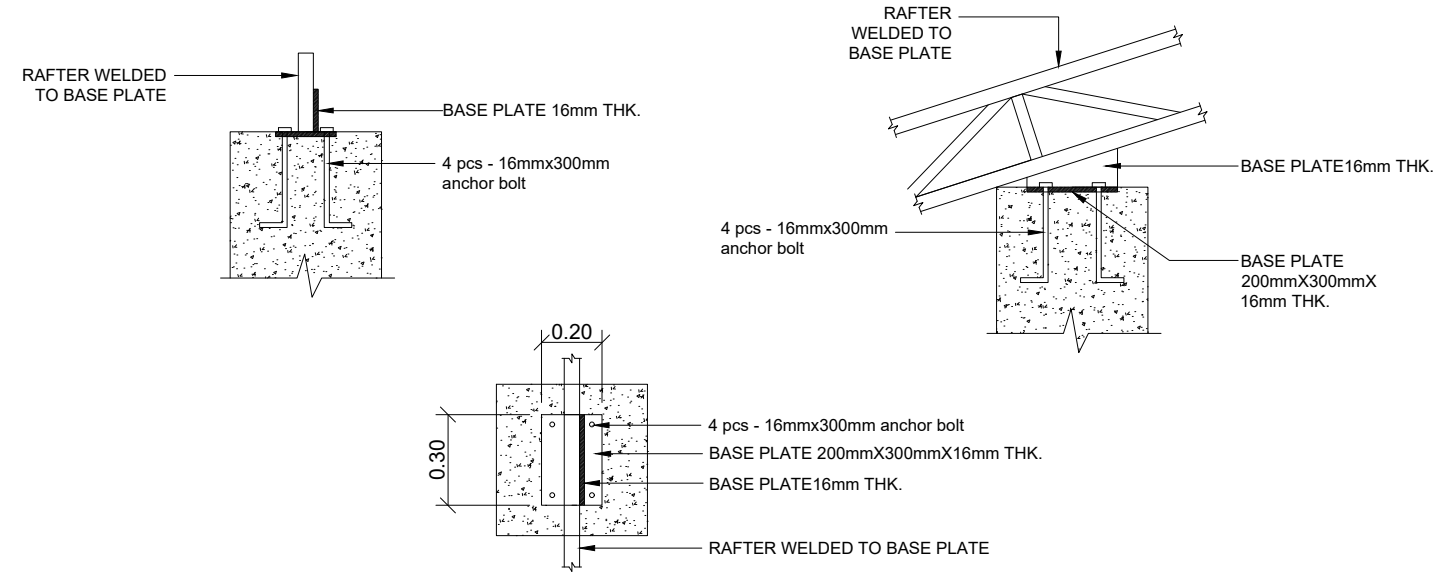
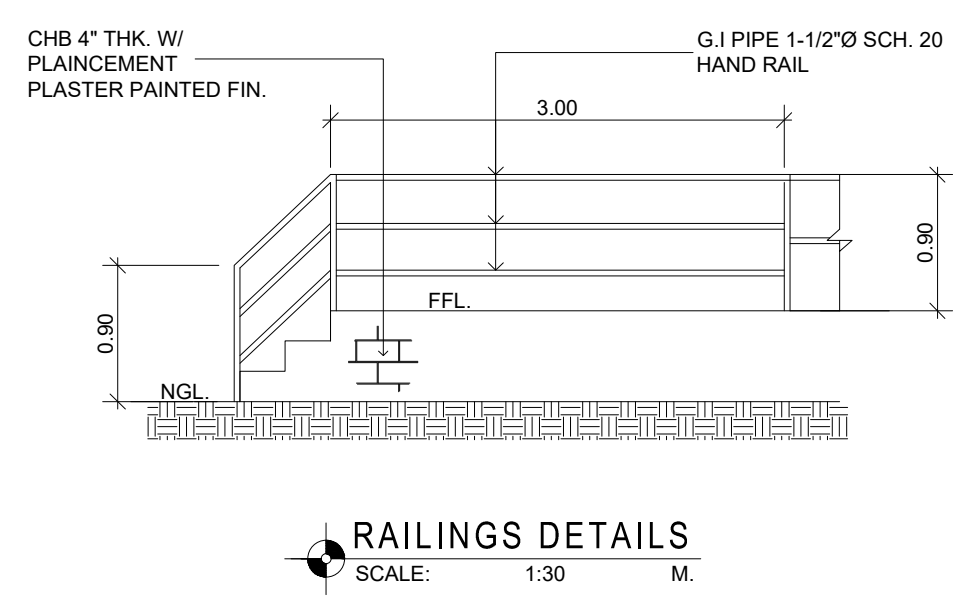
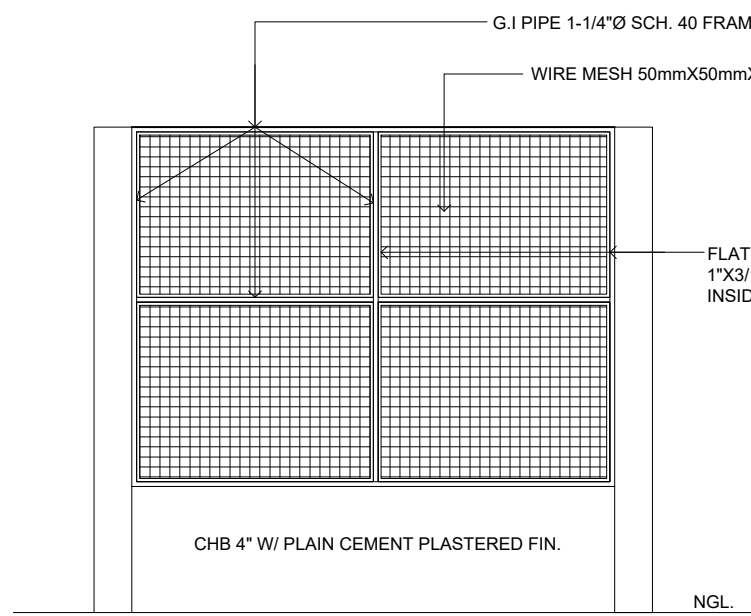
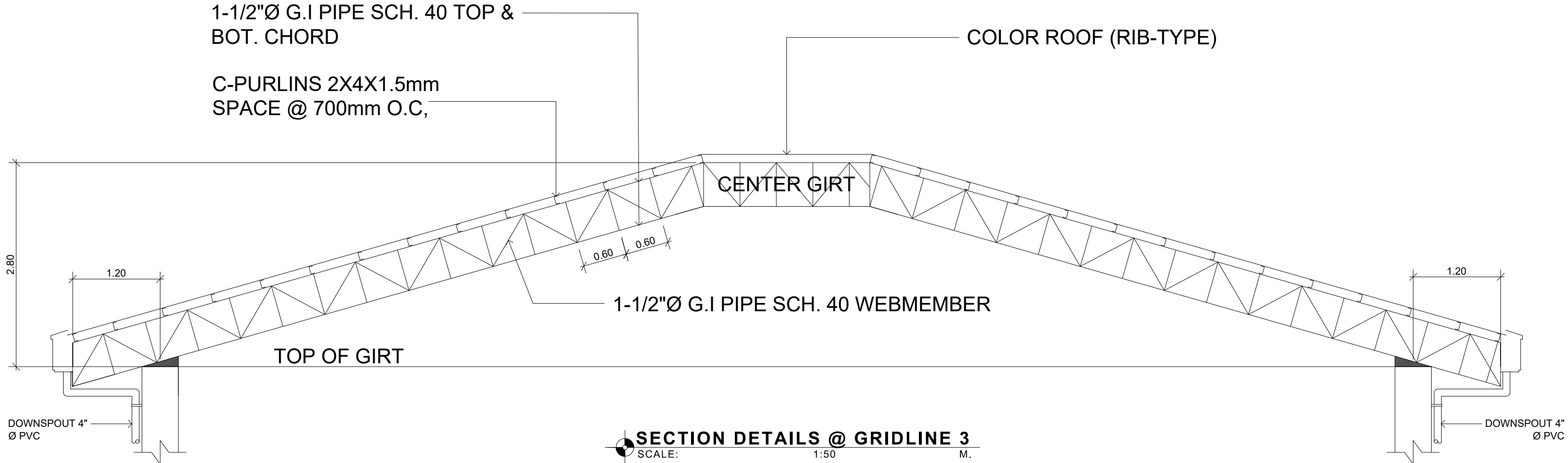
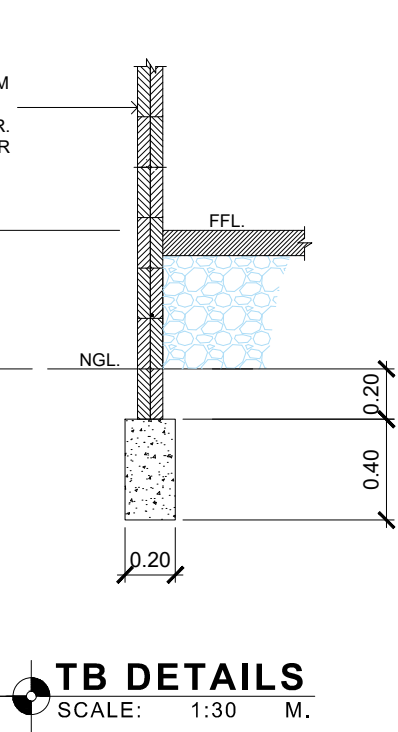
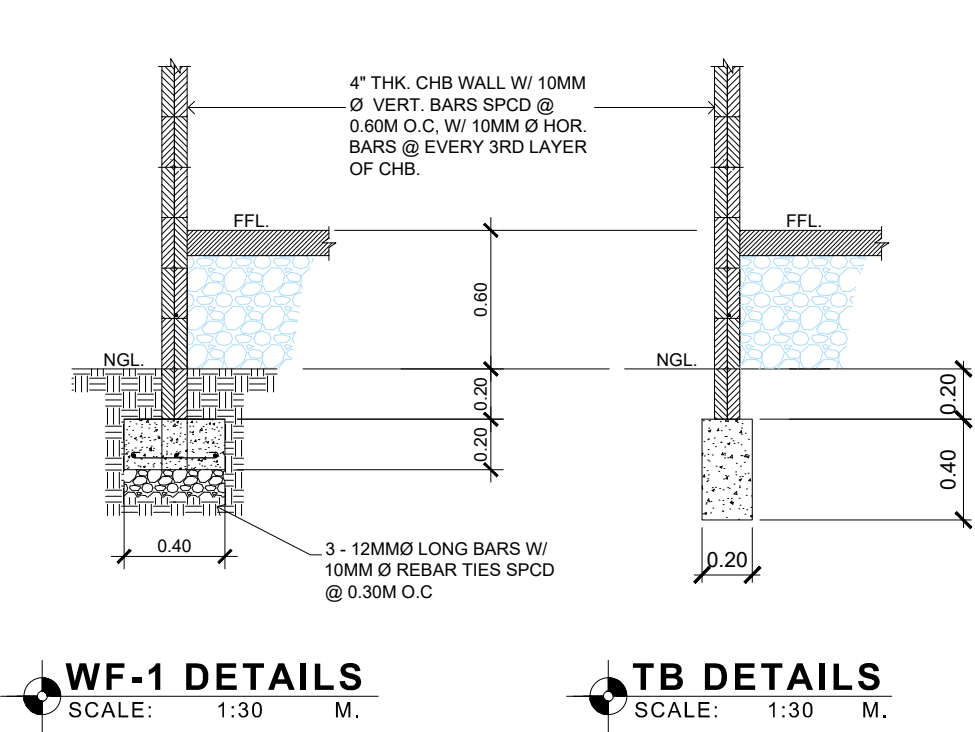
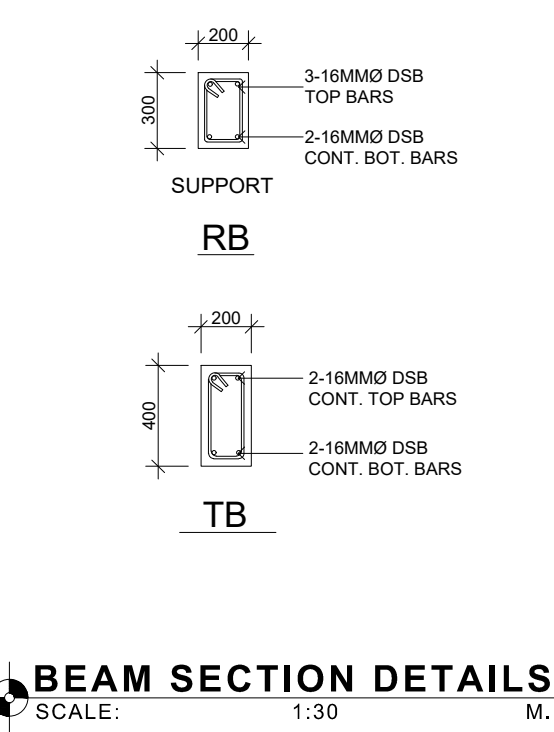
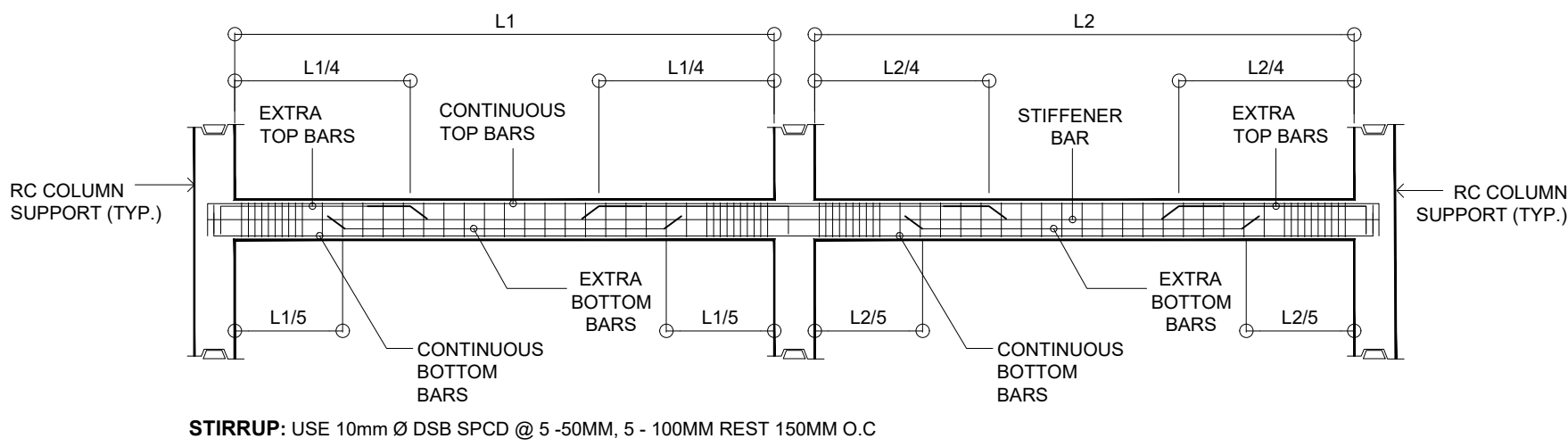
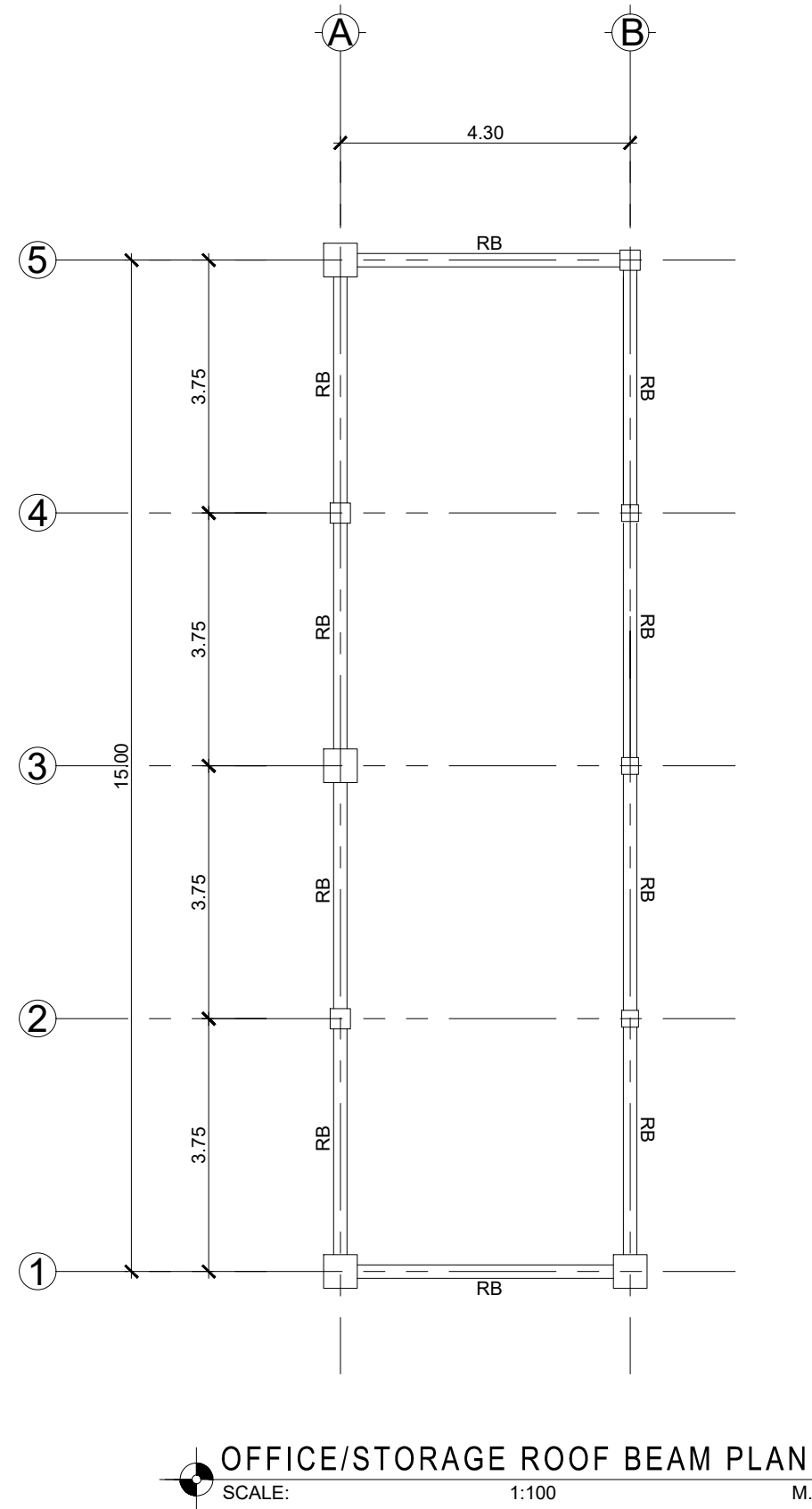
1. ALL DIMENSION ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ALL CONCRETE WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACI BUILDING CODE.
3. MINIMUM COMPRESSIVE STRENGHT OF REINFORECED & LEAN CONCRETE AT 28-DAY PERIOD SHALL BE 3000 PSI AND 2000 PSI RESPECTIVELY.
4. ALL REINFORCING STEEL BARS SHALL CONFORM TO THE REQUIREMENTS OF PNS49/2002. DEFORMED STEEL BARS, GRADE 40. ALL REINFORCING BARS SHALL BE INTALLED IN CONFORMANCE OF THE STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315.
5. THE SOIL SUBGRADE AND FILL SHALL BE SUBSTANTIALLY COMPACTED.
6. MINIUUM CONCRETE COVERING FOR DEFORMED STEEL BARS SHALL.

BEAM = 25mm

COLUMN = 50mm

FOOTING = 75mm

SLAB ON GRADE = 50mm
7. ALL BOTS,NUTS AND WASHERS SHALL BE FREE FROM RUST AND IN CONFORMANCE WITH ASTM 307.
8. CONCRETE MASONRY SHALL CONFORM TO ASTM C90 AND IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND UNIFORM BUILDING CODE.



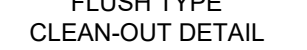
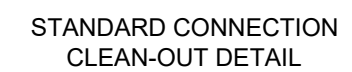
<div><div><div></div><div>PHILIPPINE SCIENCE HIGH SCHOOL</div><div>CENTRAL MINDANAO CAMPUS</div><div>Nangka, Bala-i, Lanao Del Norte</div></div><div>Republic of the Philippines Department of Science and Technology</div></div>	PREPARED BY :		REVIEWED BY :		CHECKED BY :		APPROVED BY :		PROJECT:		SHEET CONTENTS :		SHT. NO.		
	<div><div><div></div><div>JJJASH</div><div>CONSTRUCTION INSTALLATION</div></div><div>Engr. Rannie C. Cabuyao</div><div>Civil Engineer</div></div>	REG. NO. 0112775		<div>Queen Jelly L. Tomawis</div> <div>Resident Engineer</div>		<div>Jayson C. Vacundar</div> <div>Acting Head Engineer</div>		<div>Franklin L. Salisid</div> <div>Campus Director</div>		<div>PROPOSED MOTOR POOL AND PARKING AREA</div> <div>LOCATION: NANGKA, BALO-I, LANAO DEL NORTE</div>		<div>SECTION DETAILS @ GRIDLINE 3 ROOF BEAM PLAN BEAM SECTION DETAILS WF-1 DETAIL TB SECTION DETAILS RAILINGS DETAILS FASCIA FRAME DETAILS RAFTER DETAILS TYPICAL CONNECTION SPOT DETAILS</div>		<div>6/8</div>	
		PTR NO. 4277266													
		DATE: 01-14-2020													
TIN. NO. 948-120-928															

1. GRADES OF HORIZON PIPINGS
RUN ALL HORIZONTAL IN PERFECT ALIGNMENT AND AT A FORM GRADE NOT LESS
THAN TWO PERCENT (2%)

3. PROHIBITED FITTINGS
NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL AND WASTE LINES
THE DRILLINGS AND TAPPING
OF HOUSE DRAIN, WASTE OR BEND PIPES AND USED OF SUBLTLE HUB AND BEND ARE
PROHIBITED.



WC	-	WATER CLOSET
F	-	FAUCET
KS	-	KITCHEN SINK
FD	-	FLOOR DRAIN
LAV	-	LAVATORY
CO	-	CLEAN OUT
VTR	-	VENT THRU ROOF
MH	-	MANHOLE
CB	-	CATCH BASIN
GT	-	GREASE TRAP
GV	-	GATE VALVE
DS	-	DOWN SPOUT
SV	-	SEPTIC VAULT
WM	-	WATER METER
SH	-	SHOWER HEAD



SPECIFICATION:

1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC).
THE RULES AND REGULATION OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
THE ELECTRICAL WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.

2.THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2- WIRE, 230 V AC, 60 Hz

3.WIRING METHOD SHALL BE AS FOLLOWS:
A. FEEDERS AND RISERS - INTERMEDIATE METLLIC CODUIT
B.LIGHTING POWER RECEPTACLE - POLYVINYL CHLORIDE CONDUIT
BRANCH CKT., & AUXILIARY SCH. 40

4.ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THW" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5mm² AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15mmØ TRADE/NOMINAL SIZE.

5.ALL OUTLET BOXES SHALL BE PVC.

6.ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSED OF USAGE.

7.GROUNDING SYSTEM SHALL BE PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.

8.MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS:

- A. LIGHT SWITCH - 1.20 M ABOVE FINISH FLOOR
B.CONVENIENCE OUTLET - 0.30 M ABOVE FINISH FLOOR
C. PANEL BOARD - 1.50 M ABOVE FINISH FLOOR

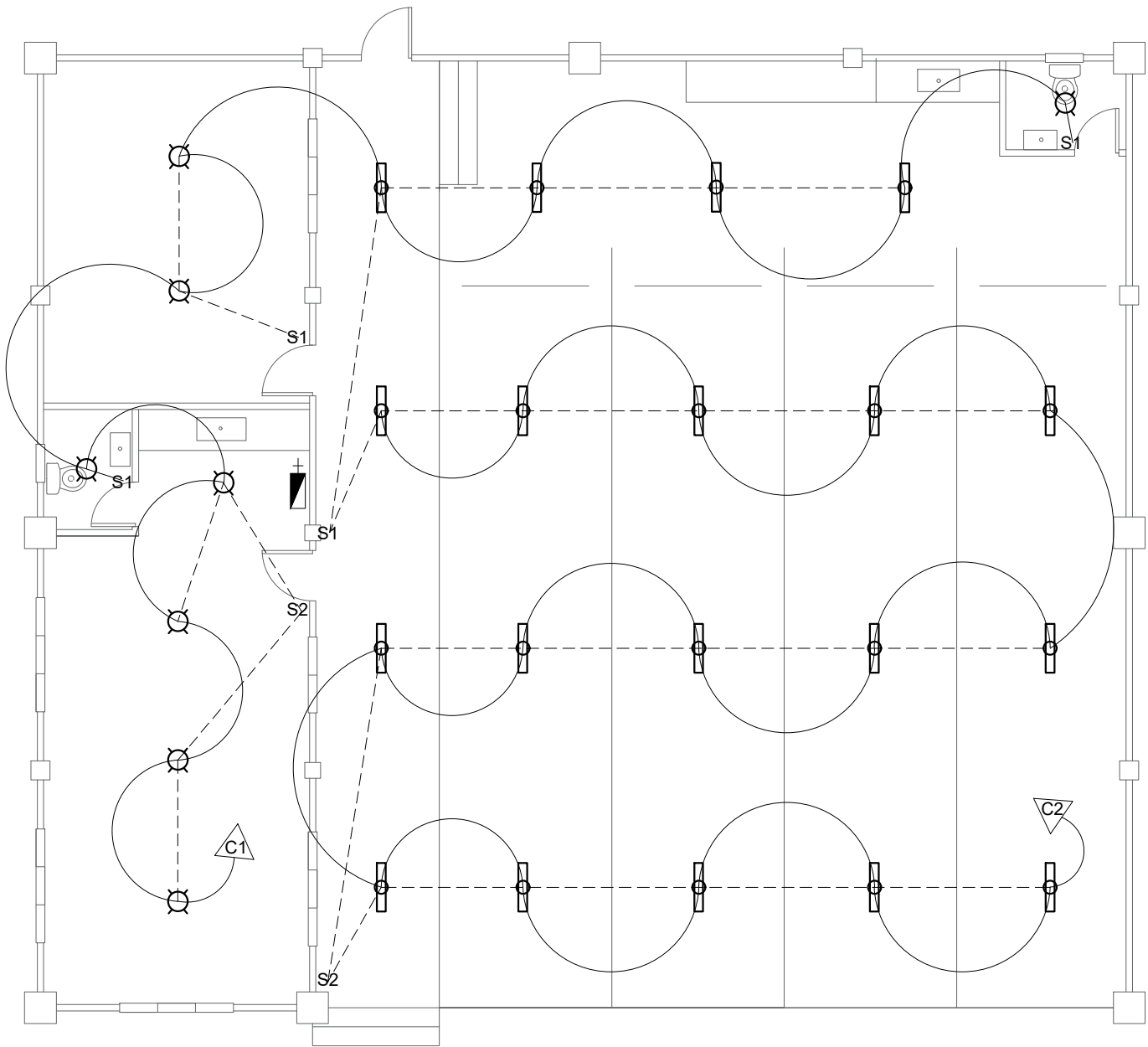
SCHEDULE OF LOADS

CKT. NO.	LOAD DESCRIPTION	ACU	L.O.	C.O.	WATTS	VOLTS	AMPERE/CKT.	PROTECTION/CKT.	CABLE WIRE SIZE THHN	GROUND GREEN CABLE SIZE THHN	CONDUIT DIA. RSC
PB-1											
C1	LIGHTING OUTLET	—	12	—	1200	220	5.45 A	15 A	2 - 1C - 3.5 MM² THW WIRE	1 - 1C - 2.0 MM²	20MM dia.
C2	LIGHTING OUTLET	—	15	—	1500	220	6.82 A	15 A	2 - 1C - 3.5 MM² THW WIRE	1 - 1C - 2.0 MM²	20MM dia.
C3	CONVENIENCE OUTLET	—	—	8	2880	220	13.1A	20 A	2 - 1C - 5.5 MM² THW WIRE	1 - 1C - 2.0 MM²	20MM dia.
C4	ACU	—	—	1	1500	220	6.82 A	30 A	2 - 1C - 5.5 MM² THW WIRE	1 - 1C - 2.0 MM²	20MM dia.
	TOTAL		27	9	7,080	220	32.18 A	60 A	2 - 1C - 8 MM² THW WIRE (2 AWG)	1 - 1C - 2.0 MM²	20MM dia.

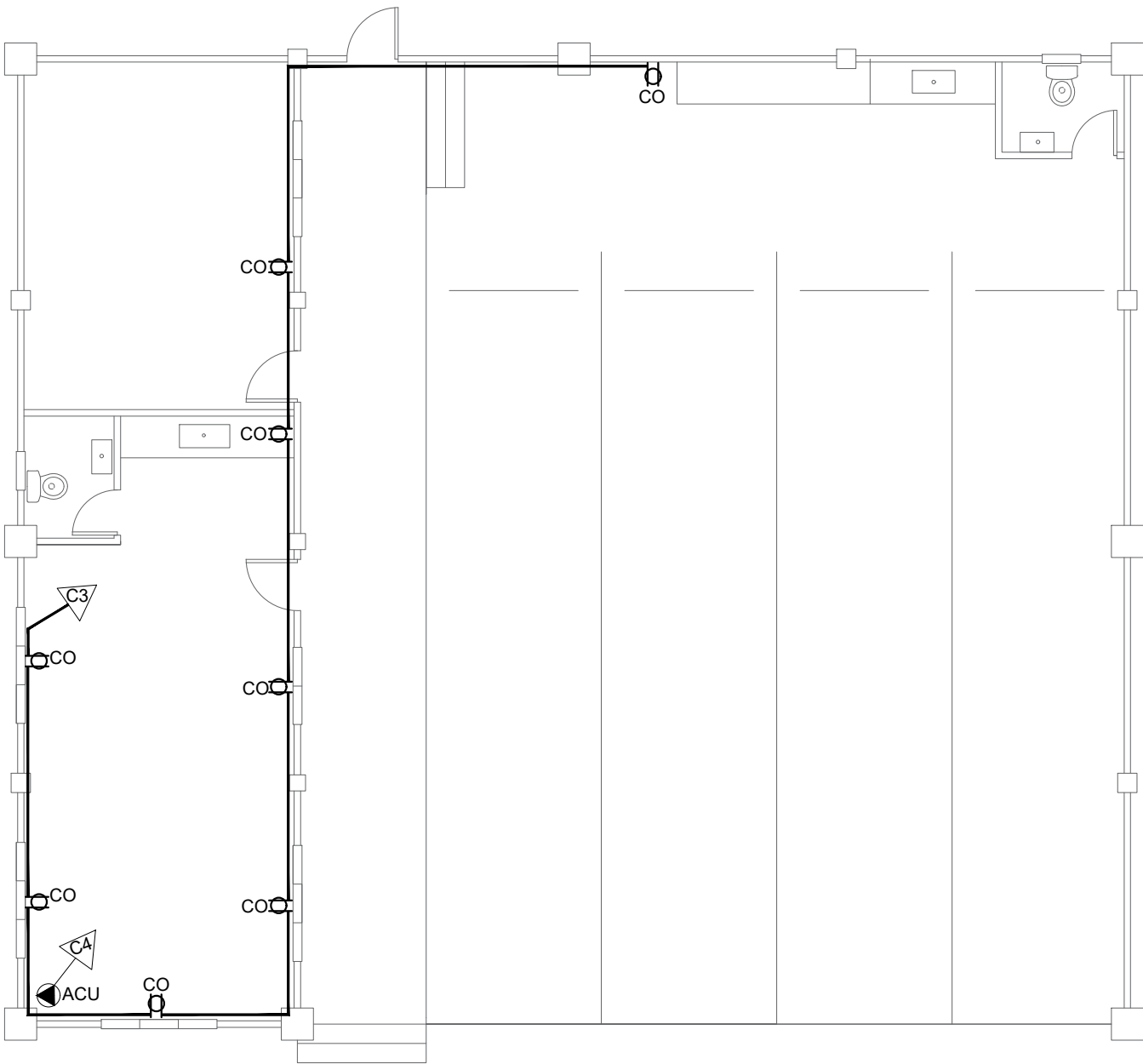
PANEL BOARD # 02			
A. SUB-CONNECTED LOADS OF TWO STOREY RESIDENTIAL BUILDING			
1	TOTAL CONNECTED LOADS	KW	7.08
2	CONNECTED	KVA	8.85
3	% DEMAND FACTOR	%	80
4	DEMAND	KVA	7.08
5	DEMAND AMPERES	AMPS	32.18

FOR MAIN FEEDER SIZE:
AT 125% = 40.225 AMPS
USE 2-1C-30 mmsq (2 AWG) THW with cable ampacities of 110 AMPS
Ground Cable Use: 1-1c-3.5 MMSQ THHN
FOR MAIN CIRCUIT BREAKER PROTECTION:
AT 150% = 42.27 AMPS
USE: 60 AMPERES CIRCUIT BREAKER 2P BOLTED TYPE, 65 KAIC SUB - MAIN PROTECTION

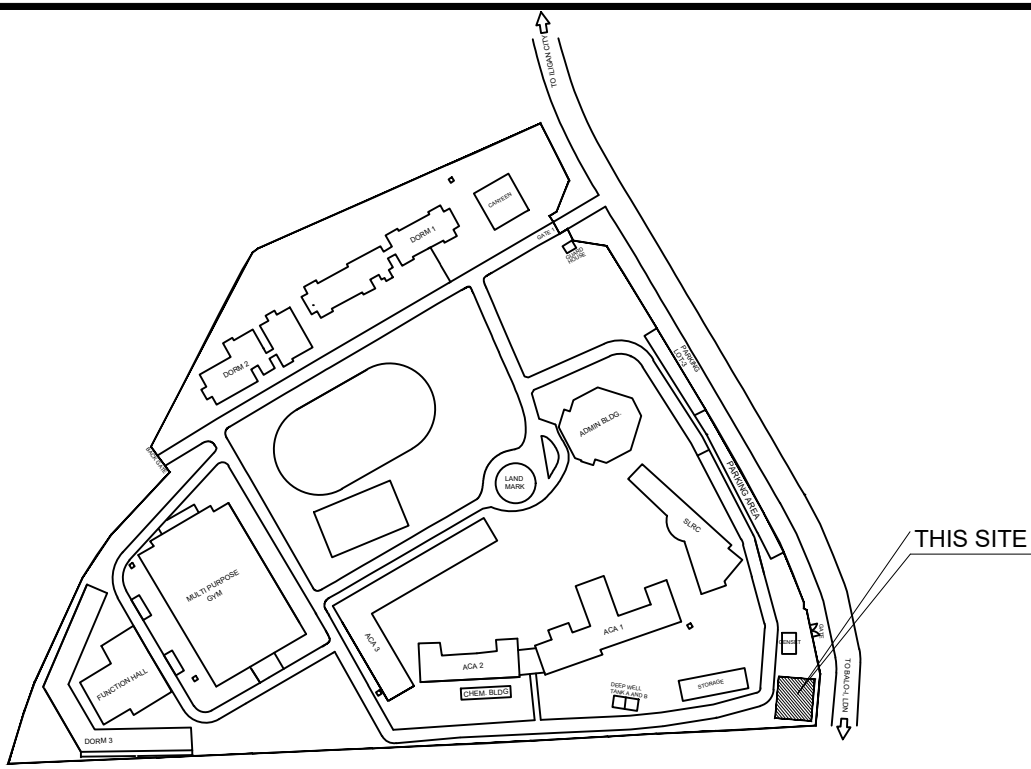
%DEMAND FACTOR = DEMAND LOAD KVA/ CONNECTED KVA X 100%
DEMAND LOAD KVA = CONNECTED KVA / DIVERSITY FACTOR 1.25 FOR 100% D.F
8.85 KVA / 1.25 = 7.08 KVA
50 % DEMAND FACTOR = 7.08 KVA / 8.85 X 100% = 80%
DEMAND AMPERES = 8.85 KVA X 0.8 / 0.22 =134.18 AMPS
GROUND CABLE SIZE:
32.18 AMPS, AT 20% = 6.436 AMPS
1-1C-3.5 MMSQ. (12 AWG)



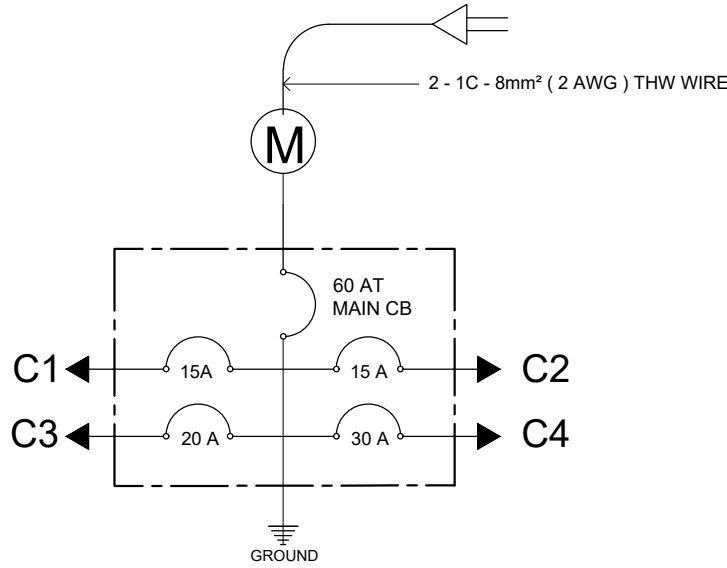
LIGHTING LAY-OUT PLAN
SCALE: NTS.



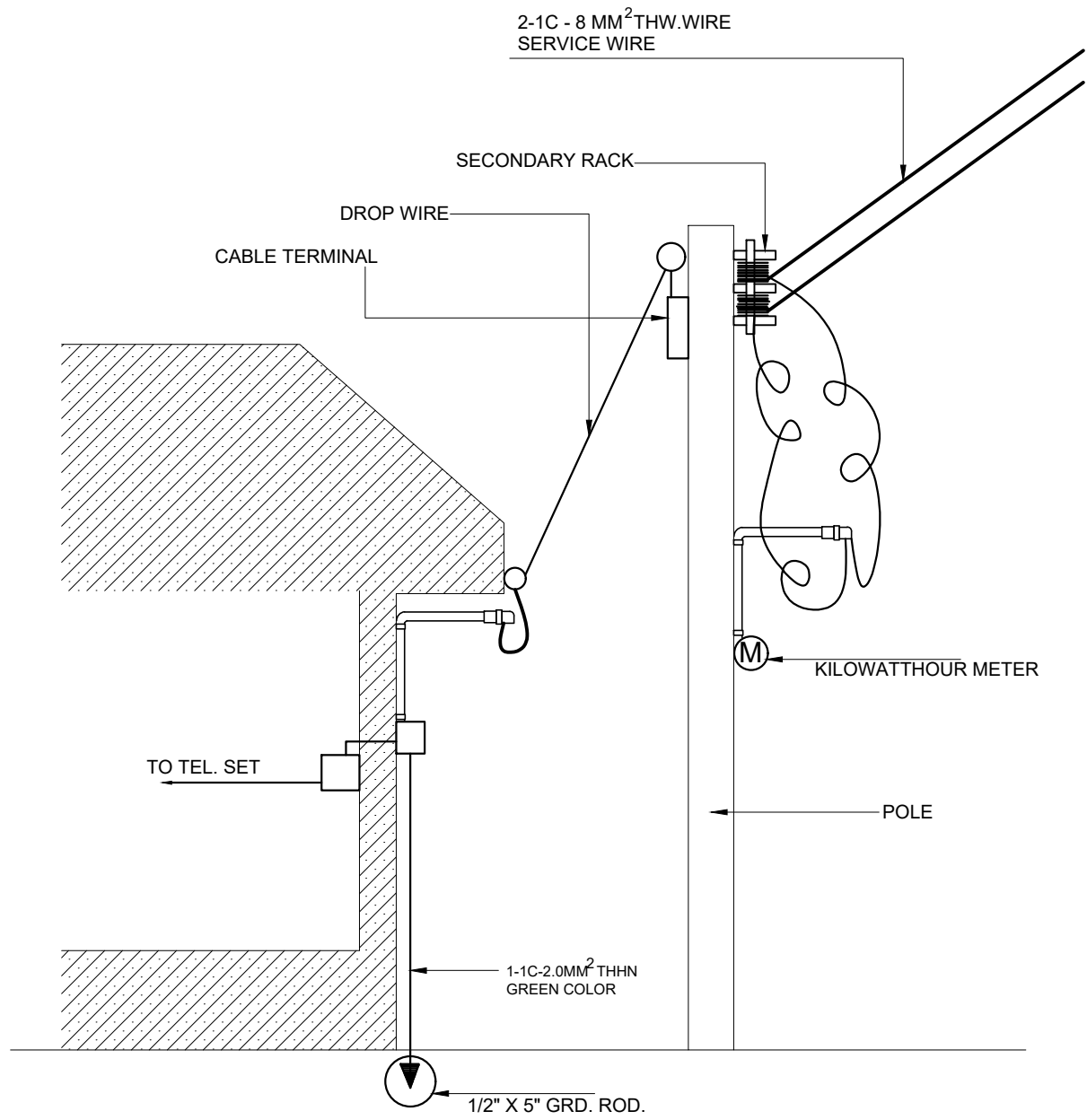
POWER OUTLET LAY-OUT PLAN
SCALE: NTS.



LOCATION PLAN



SINGLE LINE DIAGRAM
SCALE: NTS.



TELEPHONE & ELECTRICAL SERVICE ENTRANCE DETAIL
SCALE: NTS.