

FLOOR PLAN

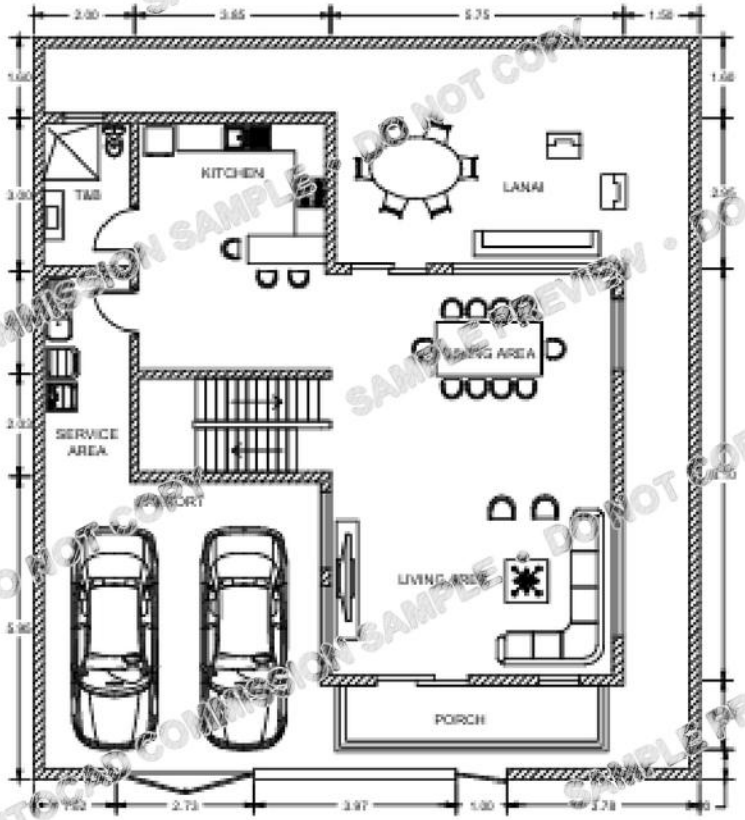


FRONT ELEVATION

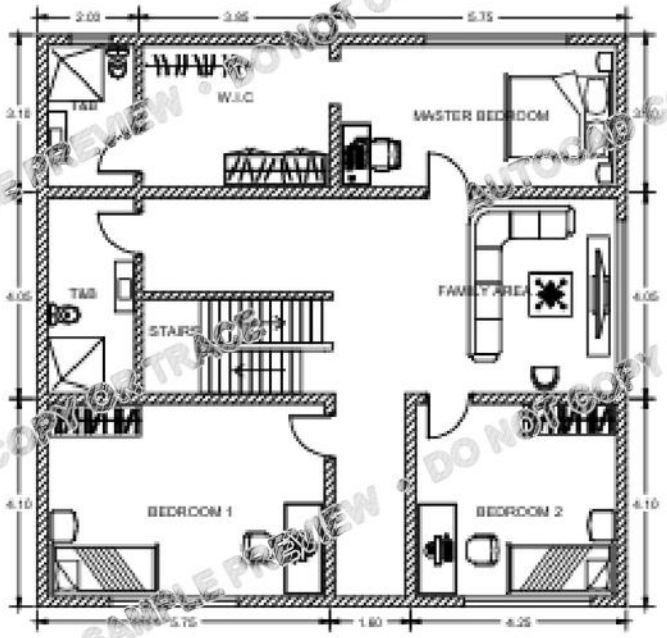


RIGHT SIDE ELEVATION

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SAMPLE PREVIEW

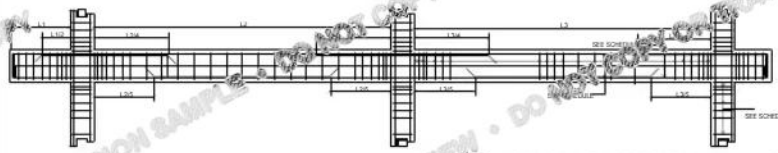


A4
01
FIRST FLOOR PLAN
SCALE: 1:100 MTS

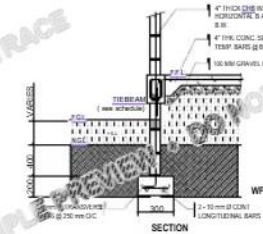


A4
02
SECOND FLOOR PLAN
SCALE: 1:100 MTS

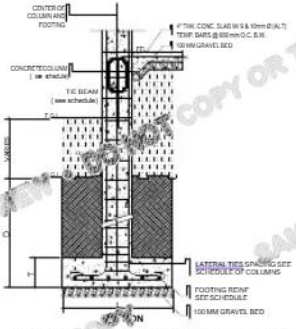
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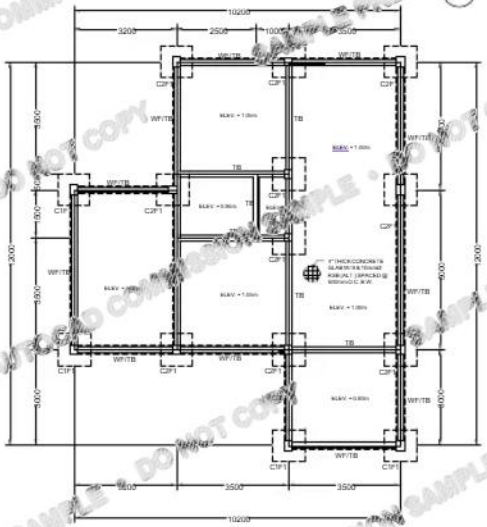
TYPICAL BEAM DETAIL



TYPICAL WALL FTG. DETAIL



TYPICAL COLUMN & COL. FTG. DETAIL



FOUNDATION PLAN

SCHEDULE OF BEAMS

MARK	DIMENSION		REINFORCEMENTS		
	b	h	AT SUPPORT	AT MIDSPAN	STIRRUPS
TB	200	300	4 - 12 mm ϕ	4 - 12 mm ϕ	9mm Ø stirrups spaced 3 @ 0.05, 3 @ 0.10, 3@0.15m, rest @ 0.20m from ends
RB	200	300	6 - 12 mm ϕ	6 - 12 mm ϕ	

COLUMN FOOTING SCHEDULE

MARK	DIMENSION (mm)			MINIMUM DEPTH OF FOOTING FROM NGL (mm)	REINFORCEMENTS	
	W	L	T		TRANS.	LONG.
F1	1000	1000	200	1000	6 - 12 mm ϕ	6 - 12 mm ϕ

SCHEDULE OF COLUMN

MARK	DIMENSION (mm)		REINFORCEMENTS	
	b	h	VERT.	LAT. TIES
C1	300	300	6 - 12 mm ϕ	9mm Ø lateral ties spaced 3 @ 0.05, 3 @ 0.10, 3@0.15m, rest @ 0.20m from ends
C2	250	250	6 - 12 mm ϕ	

NOTE:

5" CHB - EXTERNAL PARTITION

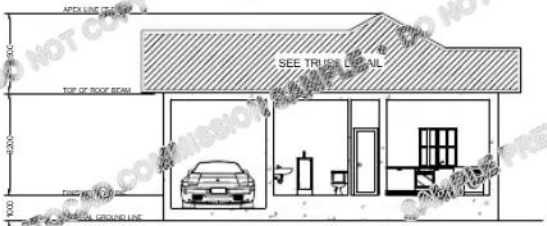
4" CHB - INTERNAL PARTITION



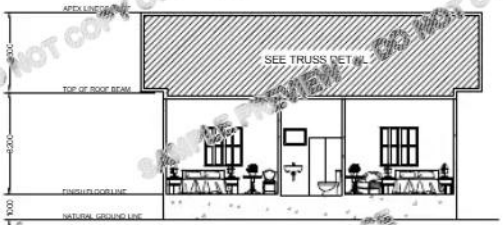
LEFT SIDE ELEVATION



REAR ELEVATION



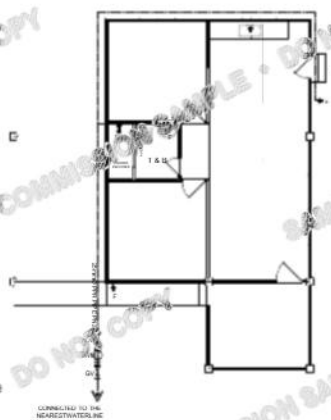
SECTION THRU "X"



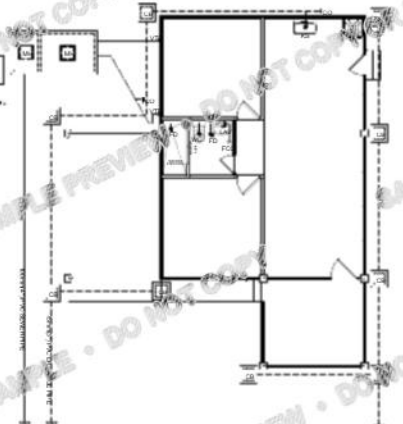
SECTION THRU "Y"



SCHEDULE OF DOORS & WINDOWS



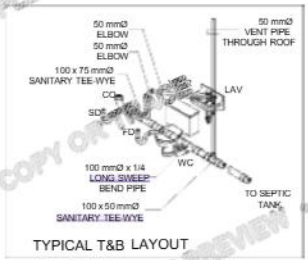
WATER LINE LAYOUT



SANITARY LINE LAYOUT

PLUMBING LEGENDS:

KS	KITCHENSINK	CB	CATCHBASIN
LAV	LAVATORY	DS	DOWNSPOUT
FD	FLOORDRAIN		VENT PIPE
CO	CLEAN OUT		GATE VALVE
FCO	FLOOR CLEAN OUT		CATEVALVE
SHO	SHOWER		WATERLINE
F	FAUCET		SEWERLINE
	GATE VALVE		DRAINAGE SYSTEM
VTR	VENT THRU ROOF	SD	SANITARY DRAIN



TYPICAL T&B LAYOUT

PLUMBING ISOMETRIC

PLUMBING NOTES:

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

2.CHANGE IN DIRECTION
ALL CHANGE IN DIRECTION SHALL BE MADE IN APPROVED ANGLE OF FORTY FIVE DEGREES (45) WYES, LONG SWEEP ONE-FOURTH BEND, SIX-EIGHT OR SIXTEENTH BEND, WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL A SINGLE 1/8 BEND COMBINATION MAYBE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTE LINE. TEE AND CROSSES MAYBE USED IN VENT PIPES.

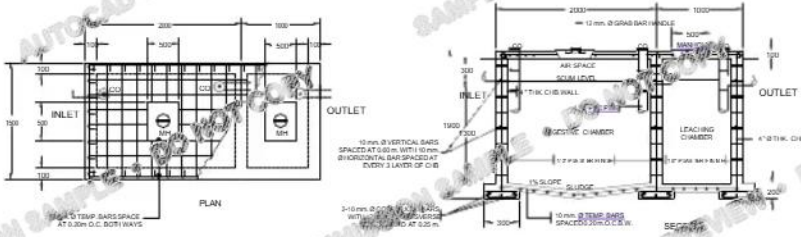
3.PROHIBITED FITTINGS
NO DOUBLE HUB OR TEE PATCH SHALL BE USED IN HORIZONTAL SOIL AND WASTE LINES OF ALL BUILDINGS AND TAPPING OF HOUSE DRAIN, WASTE AND VENT PIPES AND USE OF SADDLE TEE AND BEND ARE PROHIBITED.

4.PIPE CLEAN OUTS
CLEAN OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
A. EVERY CHANGE OF HORIZONTAL DIRECTION EXCEEDING TWENTY TWO AND ONE-HALF DEGREES (22 1/2°).
B.ONE AND A HALF METERS (1.50m) INSIDE THE PROPERTY LINES BEFORE THE HOUSE DRAINAGE CONNECTON.
C. EVERY FIFTEEN METERS (15.00m) IN HORIZONTAL RUN OF PIPES.
D. AT THE END OF ANY HORIZONTAL PIPES.

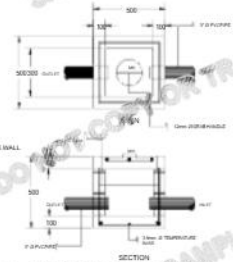
5.THE DIGESTION CHAMBER OF THE SEPTIC TANK MUST BE WATER PROOFED. NOT LESS THAN 0.30m OF AIR MUST BE LEFT BETWEEN THE TOP OF THE SEEWAGE AND THE UNDER PART OF VAULT ROOF SLAB.

6.NO SEPTIC VAULT SHALL BE CONSTUCTED UNDER THE BUILDING.

7.ALL PLUMBING WORKS SHALL BE UNDER THE SUPERVISION OF A DULY LICENSED MASTER PLUMBER AND A LICENSED PLUMBING CONTRACTOR

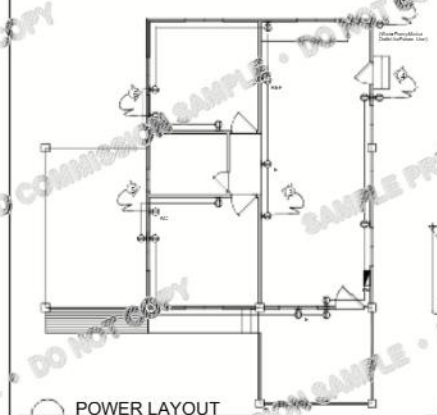


SEPTIC TANK DETAIL

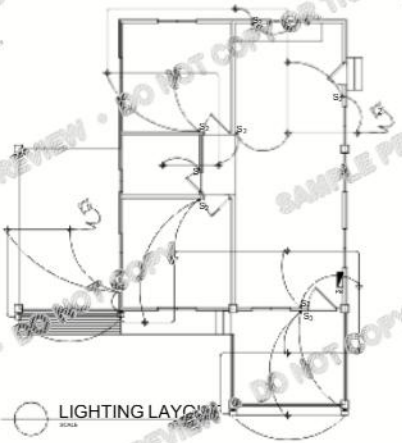


CATCH BASIN DETAIL

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POWER LAYOUT



LIGHTING LAYOUT

ELECTRICAL LEGENDS:

- PANEL BOARD
- SERVICE ENTRANCE
- CIRCUIT RUN IMBEDDED
- CIRCUIT HOMERUN
- CEILING DAYLIGHT
- SWITCH LOCATION
- S — ONE GANG SWITCH
- S_2 — TWO GANG SWITCH
- S_3 — THREE GANG SWITCH
- S_{3W} — THREE-WAY SWITCH
- DUPLEX CONVENIENCE OUTLET
- WATER PUMP MOTOR
- AIRCON OUTLET
- EMERGENCY LIGHT OUTLET
- REFRIGERATOR OUTLET

ELECTRICAL RULES:

1. ALL ELECTRICAL INSTALLATION WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THESE PLANS & SPECS. AND YHE APPLICABLE PROVISIONSOF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, IT'S RULES AND REGULATIONS,OF THE LOCAL ENFORCING AUTHORITY & THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORK SHALL BE UNDER THE EMMEDIATE SUPERVISION OF A DULY LICENSED PROFESSIONAL ELECTRICAL ENGINEER.

2. ALL WIRES SHALL BE COPPER & THERMOPLASTIC INSULATEDTYPE "THHN" UNLESS OTHERWISE INDICATED. USE PHELPS DODGE OR COLUMBIA BRAND.

3. THE CONTRACTOR SHALL VERIFY & ORIENT THE ACTUAL LOCATION OF SERVICE ENTRANCE FOR CONNECTION TO THE POWER SUPPLY.

4. ALL FEEDERS & BRAND CIRCUIT HOMERUNS SHALL BE INSTALLED AS INDICATED ON THE PLANS. BRAND CIRCUIT HOMERUN WIRES SHALL BE INSTALLED IN INDIVIDUAL HOMERUN CONDUITS.

5. ANY DISCREPANCY IN LOCATION & RAINGS OF EQUIPMENT AND ELECTRICAL APPARATUS TO BE INSTAALED HSALL BE VERIFIED WITH THE OWNER OR HIS AUTHORIZED
REPRESENTATIVE, & CHANGES SHALL BE AMDE ACCORDINGLY.

6. ALL MATERIALS & EQUIPMENT TO BE USED & INSTALLED SHALL BE BRAND NEW, OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE INTENDED.
7. ALL POWER & CONVENIENCE OUTLETS SHALL BE GROUNDING SUPPLY.

8. ENTRANCE SERVE SHALL BE INSTALLED IN ACCORDANCE WITH THEREGULATIONOF THE LOCAL POWER

9. INCASE OF POWER SHALL BE 220V. 60CYCLE PANELS, 3 - PHASE , 2- WIRES

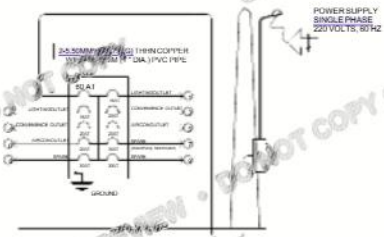
10. INCASE OF DOUBT CONSULT THE ELECTRICAL ENGINEER IN CHARGE FOR VERIFICATION AND DECISION..

LOAD COMPUTATION

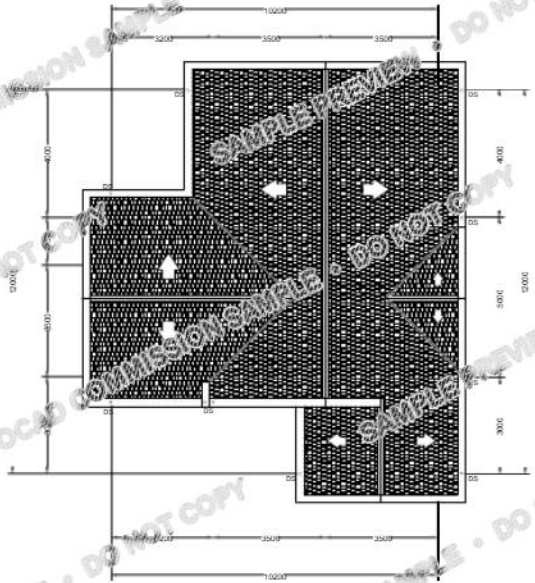
CKT NO.	LOADING DESCRIPTION	OUTLETS LO	OUTLETS CO	OUTLETS OTHER	WATTS	VOLTS	AMPERE	PROTECTION AT	PROTECTION POLE	WIRE SIZE	CONDUIT
1	LIGHTING OUTLET	12			1200	220	5.45	15	2	2 - 2.00 SQ.MM	15 MMØ PVC
2	LIGHTING OUTLET	9			900	220	4.09	15	2	2 - 2.00 SQ.MM	15 MMØ PVC
3	CONVENIENCE OUTLET		8		1080	220	4.91	20	2	2 - 3.50 SQ.MM	15 MMØ PVC
4	CONVENIENCE OUTLET		9		1620	220	7.36	20	2	2 - 3.50 SQ.MM	15 MMØ PVC
5	AIRCON OUTLET			1	1500	220	6.82	20	2	2 - 3.50 SQ.MM	15 MMØ PVC
6	AIRCON OUTLET			1	1500	220	6.82	20	2	2 - 3.50 SQ.MM	15 MMØ PVC
7	SPARE (Water Pump Motor Circuit)			1	1500	220	6.82	30	2	2 - 3.50 SQ.MM	15 MMØ PVC
8	SPARE			1	1500	220	6.82	30	2	2 - 5.50 SQ.MM	15 MMØ PVC
9	SPARE			1	1500	220	6.82	30	2	2 - 5.50 SQ.MM	15 MMØ PVC
	TOTAL				12300	220	55.91		2	2 - 5.50 SQ.MM	25 MMØ PVC

TOTAL COMPUTED CURRENT (I) = 55.91 AMPERES @ 80%
= 47.52 AMPERES

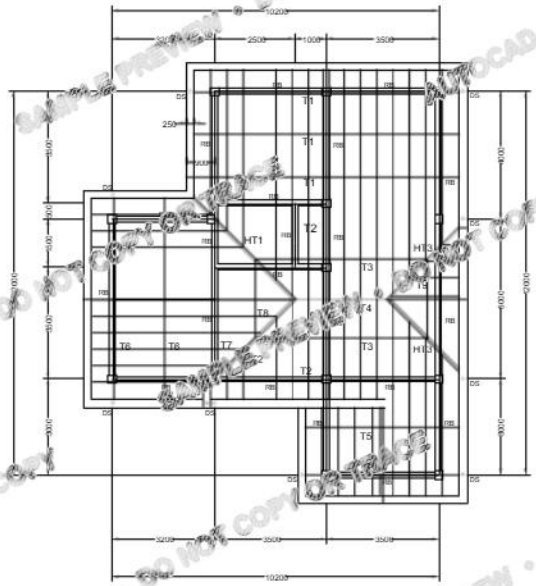
USE : 2 - 5.5 SQ.MM (#10 AWG), THHN COPPER WIRE IN 25 MM (1 " DIA.) PVC PIPE
WITH 60 AT MAIN CIRCUIT BREAKER AF,SINGLE PHASE,220 V,60 HZ



SINGLE LINE RISER DIAGRAM



ROOF PLAN

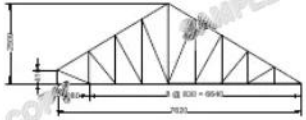


ROOF FRAMING PLAN

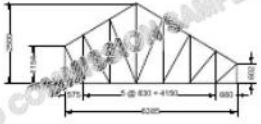
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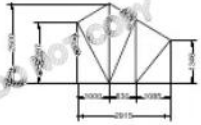
T1
3 SETS



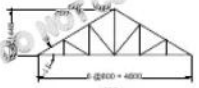
T2
2 SETS



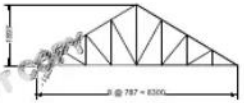
T3
2 SETS



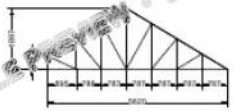
T4
1 SET



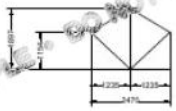
T5
2 SETS



T6
2 SETS

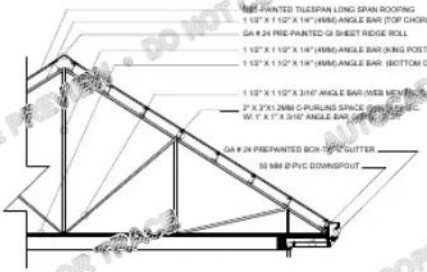


T7
1 SET

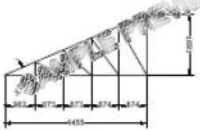


T8
1 SET

TRUSS DIAGRAM



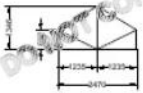
TYPICAL TRUSS DETAIL



HT1
1 SET



HT2
1 SET

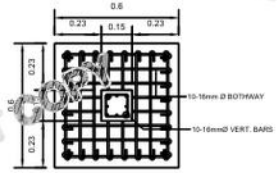


T9
1 SET

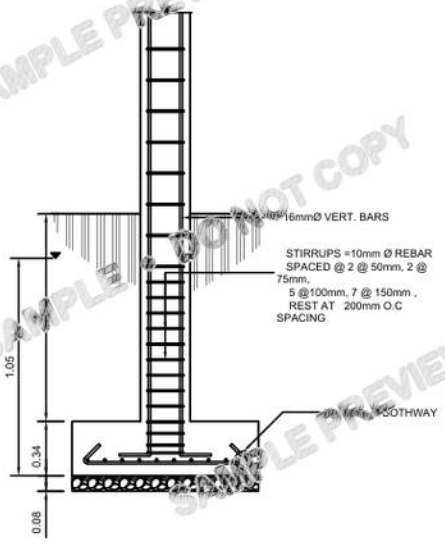


HT3
2 SETS

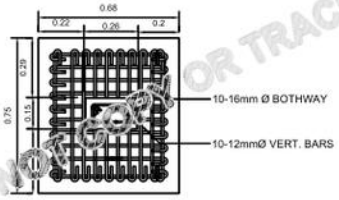
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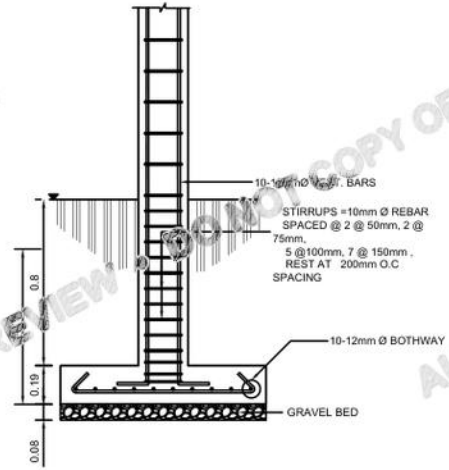
PLAN OF F1-C1
SCALE 1:100



SECTION OF F1-C1
SCALE 1:100

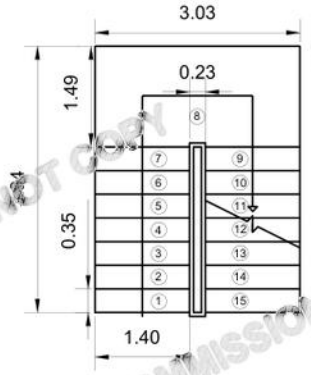


PLAN OF F2-C2
SCALE 1:100



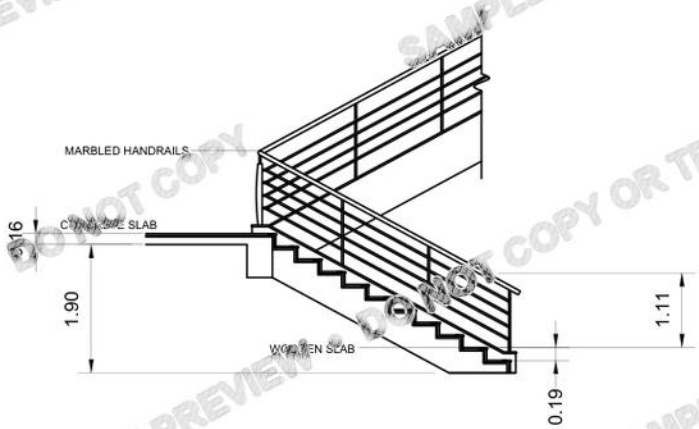
SECTION OF F2-C2
SCALE 1:100

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PLAN OF STAIRS

SCALE 1:100



SECTION OF STAIRS

SCALE 1:100

DETAILS OF STAIRS

FLIGHT WIDTH	1.40M
THREAD DEPTH	0.35M
SLAB THICKNESS	0.16M
HANDRAILS HEIGHT	1.11M
RISER HEIGHT	0.19M
GAP IN BETWEEN	0.23M

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