



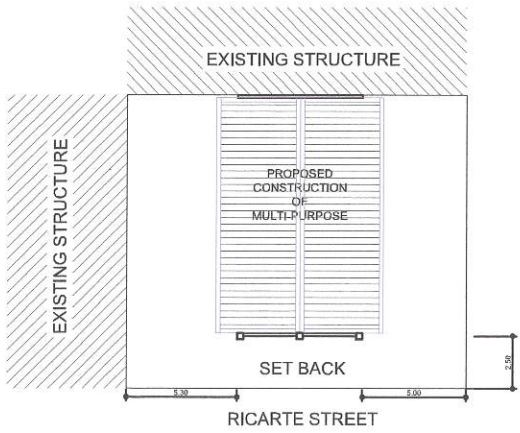
1 PERSPECTIVE

SCALE: NOT TO SCALE



2 VICINITY MAP

SCALE: NOT TO SCALE



3 SITE DEVELOPMENT PLAN

SCALE: 1:50 METERS

20-00140

TABLE OF CONTENTS

ARCHITECTURAL

AR-01	PERSPECTIVE VICINITY MAP SITE DEVELOPMENT PLAN
AR-02	GROUND FLOOR PLAN SECOND FLOOR PLAN
AR-03	FRONT ELEVATION REAR ELEVATION LEFT ELEVATION RIGHT ELEVATION
AR-04	CROSS-SECTION ELEVATION LONGITUDINAL SECTION ELEVATION ROOF PLAN SCHEDULE OF DOORS AND WINDOWS
AR-05	TOILET DETAIL TOILET SECTION "3" TOILET SECTION "4" CONCRETE COUNTER DETAIL

STRUCTURAL

ST-01	GENERAL NOTES COLUMN FOOTING DETAIL WALL FOOTING DETAIL SCHEDULE OF COLUMN FOOTING SCHEDULE OF COLUMN TYPICAL BEAM DETAIL SCHEDULE OF BEAMS
ST-02	SLAB DETAIL SCHEDULE OF SLAB FOUNDATION PLAN SECTION OF FOUNDATION STAR PLAN VIEW STAR FOOTING DETAIL
ST-03	ROOF FRAMING TRUSS DETAIL CONCRETE CANOPY DETAIL

PLUMBING / SANITARY

PL-01	
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ELECTRICAL

EL-01	
EL-02	

REPUBLIC OF THE PHILIPPINES
Department of Public Works and Highways
Department of Transportation and
Communication
Office of the Building Official

City / Municipality / Province

LAND USE & ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

ELECTRICAL

PLUMBING / SANITARY

MECHANICAL



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
**PROPOSED CONSTRUCTION OF
MULTI-PURPOSE HALL WITH DAY CARE
CENTER AT ZONE A POOK RICARTE**

LOCATION: BARANGAY UP CAMPUS, DISTRICT 4,
QUEZON CITY

DRAWN BY :

DATE : OCT. 19, 2020

CHECKED BY:

REVISION NO.:

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL :

ENGR. ISAGANI R. VERZOSA, JR.
CIC, CITY ENGINEERING DEPARTMENT

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

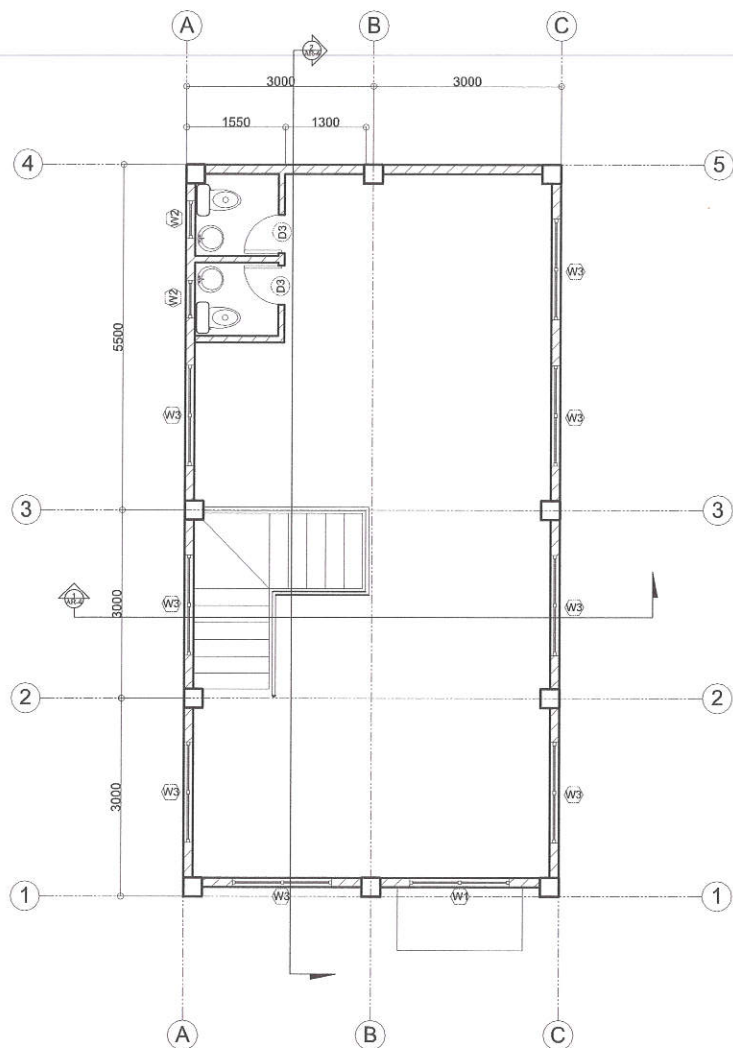
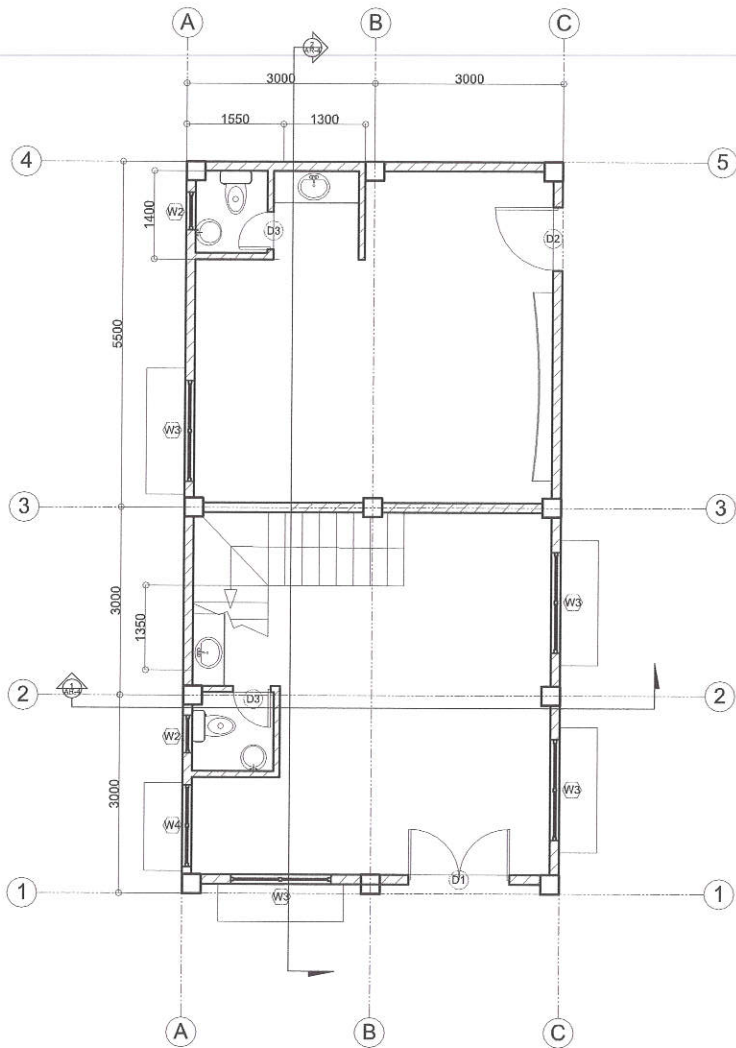
SHEET CONTENT

AS-SHOWN

SHEET NO.

AR-01
05

20-00140



1 GROUND FLOOR PLAN

SCALE: 1:50 METERS

2 SECOND FLOOR PLAN

SCALE: 1:50 METERS



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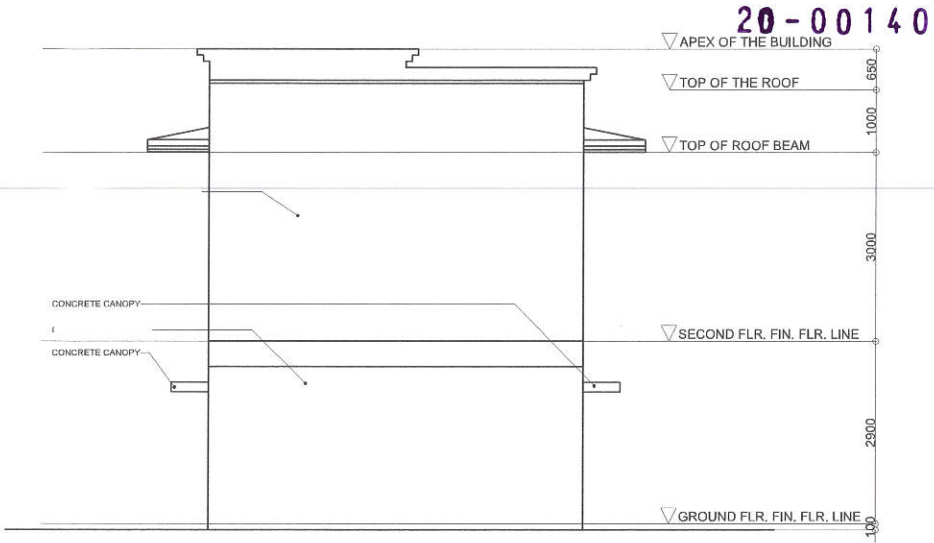
SHEET NO.

AR-02
05



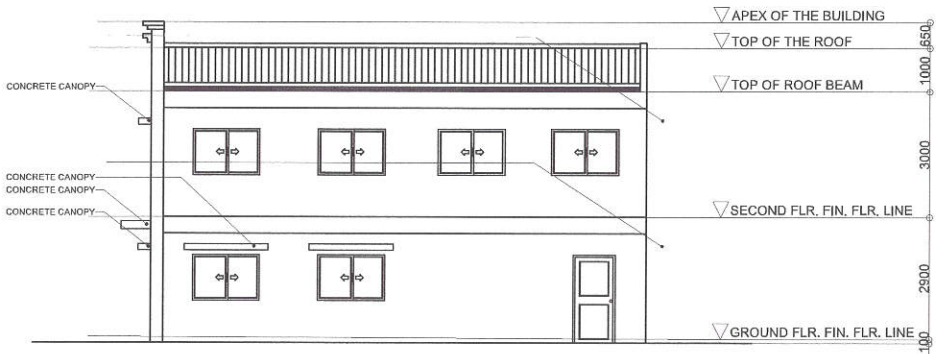
1 FRONT ELEVATION

SCALE: 1:50 METERS



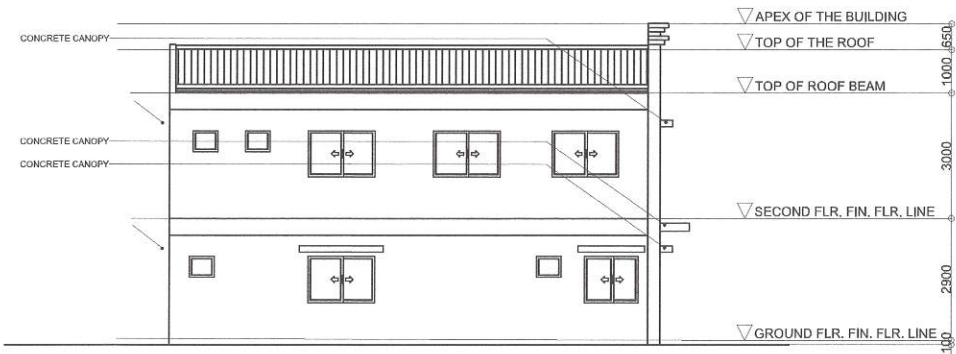
2 REAR ELEVATION

SCALE: 1:50 METERS



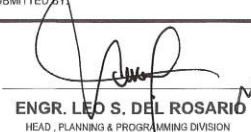
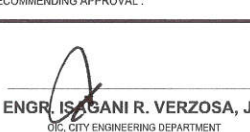
3 LEFT VIEW ELEVATION

SCALE: 1:75 METERS

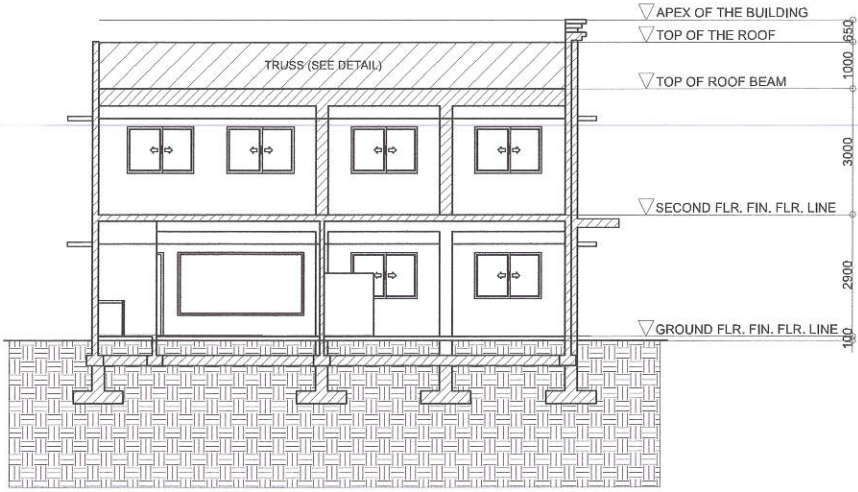
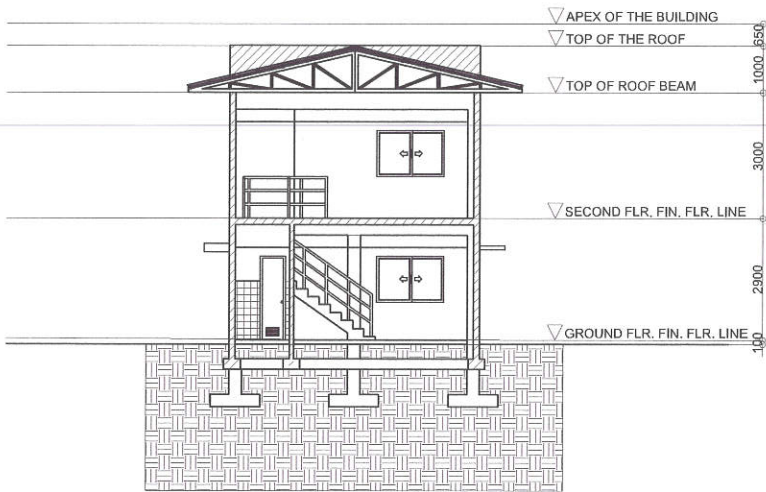


4 RIGHT VIEW ELEVATION

SCALE: 1:75 METERS

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	PROPOSED CONSTRUCTION OF MULTI-PURPOSE HALL WITH DAY CARE CENTER AT ZONE A POOK RICARTE	DATE : OCT. 19, 2020	 ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	AS-SHOWN	AR-03 05
		CHECKED BY : 					
	LOCATION: BARANGAY UP CAMPUS, DISTRICT 4, QUEZON CITY						

20-00140

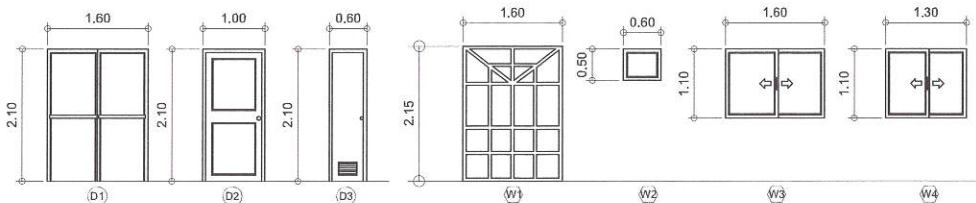
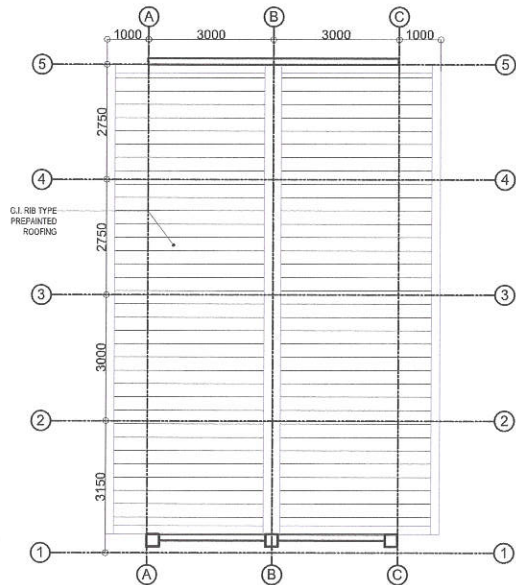


1 CROSS SECTION ELEVATION

SCALE: 1:75 METERS

2 LONGITUDINAL ELEVATION

SCALE: 1:75 METERS



MARK	# OF UNITS	DESCRIPTION	REMARKS
D1	1-SET	TWO LEAF GLASS SWING DOOR ALUMINUM FRAME POWDER COATING W/ 6mm THK GLASS	ANALOK FINISH
D2	1-SET	PANEL DOOR WITH FIXED GLASS	QDE PAINT FINISH
D3	4-SETS	PVC DOOR	WHITE DUCCO PAINT FINISH
W1	1-SET	ALUMINUM FRAMED FIXED GLASS WINDOW W/ 6mm thk. GLASS	ANALOK FINISH
W2	4-SETS	ALUMINUM FRAMED AWNING GLASS WINDOW W/ 6mm thk. GLASS	ANALOK FINISH
W3	12-SETS	ALUMINUM FRAMED SLIDING GLASS WINDOW W/ 6mm thk. GLASS	ANALOK FINISH
W4	2-SETS	ALUMINUM FRAMED SLIDING GLASS WINDOW W/ 6mm thk. GLASS	ANALOK FINISH

3 ROOF PLAN

SCALE: 1:75 METERS

4 SCHEDULE OF DOORS AND WINDOWS

SCALE: 1:50 METERS



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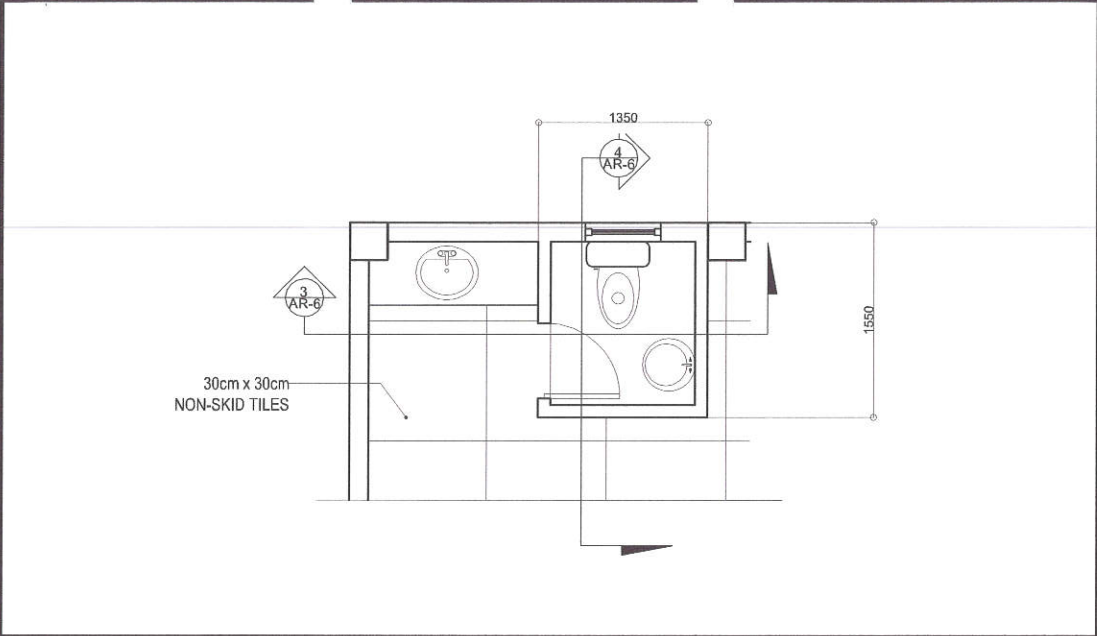
ENGR. ISAGANI R. VERZOSA, JR.
C.E. CITY ENGINEERING DEPARTMENT

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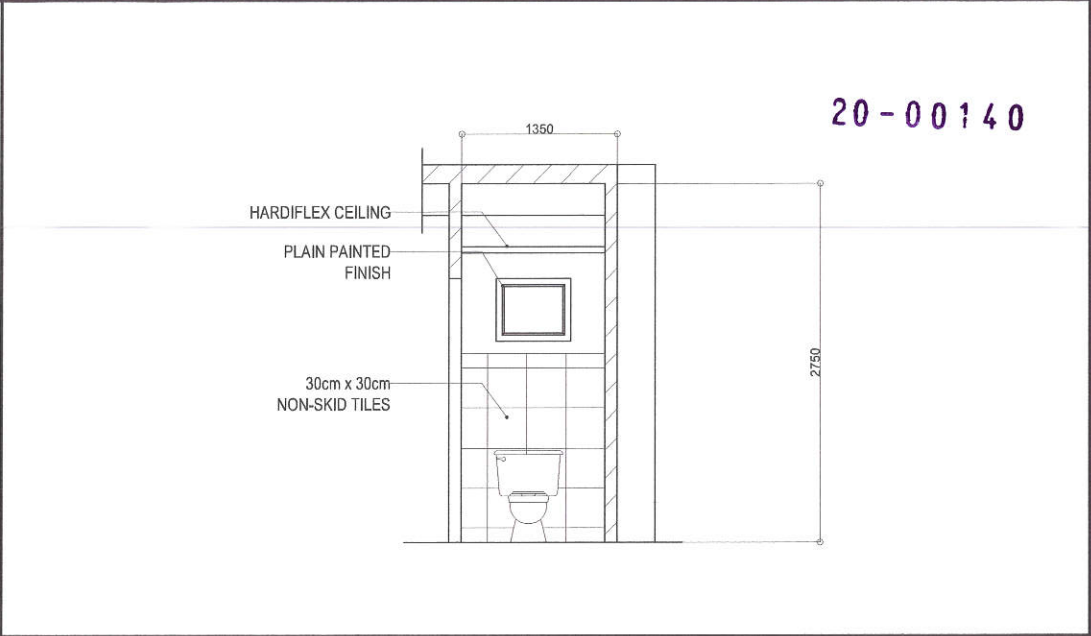
SHEET CONTENT
AS-SHOW

SHEET NO.
**AR-04
05**



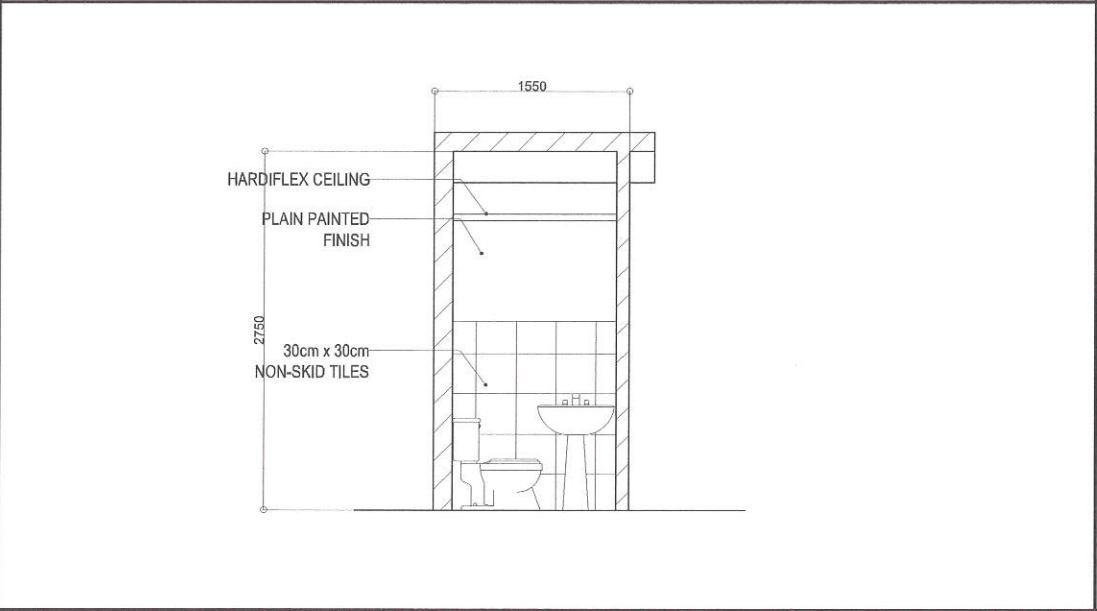
1 TOILET DETAIL

SCALE: 1:25 METERS



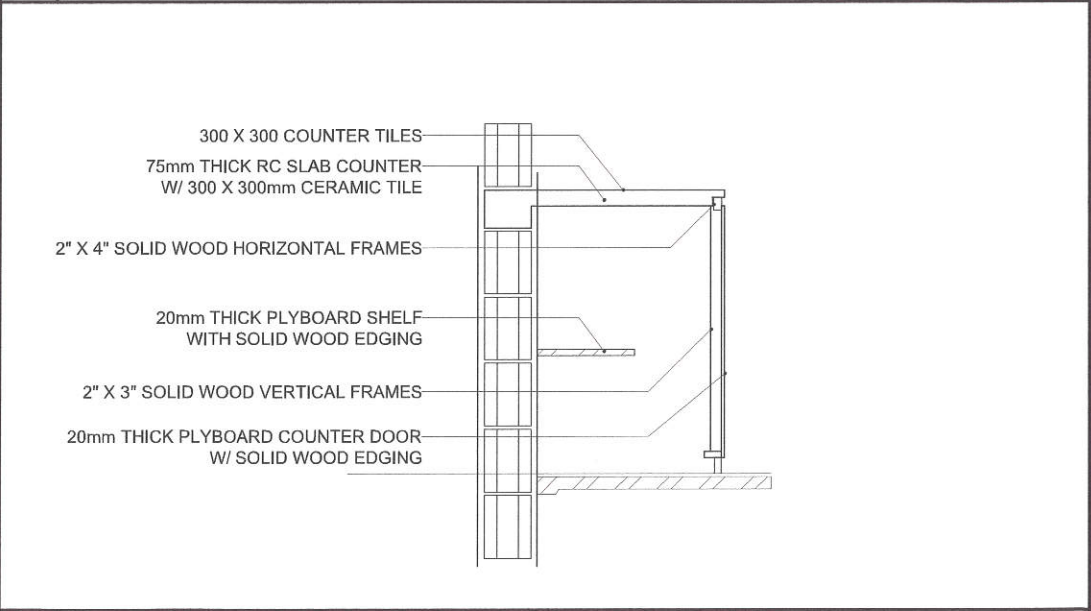
2 TOILET SECTION "3"

SCALE: 1:25 METERS



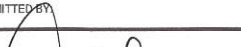
3 TOILET SECTION "4"

SCALE: 1:25 METERS



4 CONCRETE COUNTER DETAIL

SCALE: NOT TO SCALE

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		CHECKED BY :					
		REVISION NO.:					
LOCATION: BARANGAY UP CAMPUS, DISTRICT 4, QUEZON CITY							

GENERAL

- CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
- SKIP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.
- IN CASE OF QUESTION ARISING FROM THE INTERPRETATION OF OR CONFLICT WITH OTHER DOCUMENTS, THE ATTENTION OF THE OWNER/ENGINEER SHALL BE CALLED IN WRITING.

CONCRETE & REINFORCEMENT

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
- ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY (20) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMP AS FOLLOWS:

LOCATION	STRENGTH	MAX. SIZE OF AGGREGATES	MAX. SLUMP
A. SLAB ON GRADE, CURBS, PARAPETS, FOOTING, WALL FOOTING	3000 PSI (21.05 MPa)	1 in. (25mm)	4 in. (100mm)
B. BEAMS, COLUMNS, SUSPENDED SLAB	3000 PSI (21.05 MPa)	3/4 in. (19mm)	4 in. (100mm)
C. IFAN CONCRETE	2500 PSI (17.24 MPa)	1 in. (25mm)	4 in. (100mm)

- ALL REINFORCING BARS SHALL CONFORM TO #1848 GRADE 60S FOR 1/4" IN Ø AND SMALLER BARS AND GRADE 415 FOR 1/4" IN Ø AND LARGER BARS.
- IN GENERAL, THE LATEST EDITION OF ACI-318, MANUAL OF STANDARD PRACTICE, DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.

- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

CONCRETE DEPOSITED DIRECTLY AGAINST GROUND	75 mm
SUSPENDED SLABS	20 mm
SLAB ON GRADE	40 mm
WALLS ABOVE GRADE	25 mm
SEAMS & COLUMNS	40 mm

- SPLICES SHALL BE SECURELY WELDED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.
- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

- CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STUOLS, EQUIPMENTS, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.

- ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF "WET" BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

STRIPPING OF FORMS AND SHORINGS	CONCRETE	CURING
FOUNDATION		24 HRS.
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED		8 DAYS
PEDESTALS, COLUMNS, WALLS		2 DAYS
BEAMS		21 DAYS

- DEVELOPMENT LENGTH FOR ALL BARS SHALL BE A MINIMUM OF 80 BAR DIAMETER, UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL AND PLATES

- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36, SPECIFICATIONS WITH MINIMUM YIELD STRENGTH, $f_y=250$ MPa.
- ANCHOR & FASTENER BOLTS, ALL BOLTS SHALL CONFORM TO ASTM A-307, SPECIFICATIONS.
- WELDING RODS, ALL WELDING RODS SHALL BE MILD STEEL ELECTRODE, LOW HYDROGEN E7018 WITH MINIMUM YIELD STRENGTH = 420MPa.

FOUNDATION

- FOUNDATION IS DESIGNED BASED ON NATIONAL BUILDING CODE OF THE PHILIPPINES FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 240 KPa.
- FOUNDATION SHALL REST ON NATURAL SOIL, UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER UPON COMPLETION OF FOUNDATION EXCAVATION FOR ACTUAL SOIL CONDITIONS WHICH DO NOT CONFORM TO THE SOIL BEARING CAPACITY FOR PROPER REVISION.

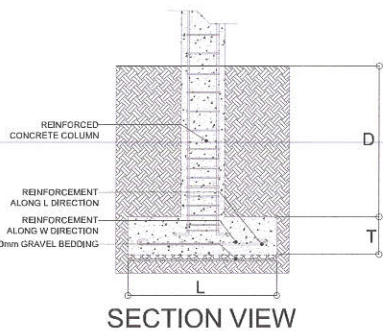
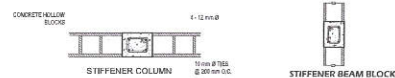
MASONRY WALLS

- ALL MATERIALS & WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARD & SPECIFICATIONS OF THE STRUCTURAL CODE OF THE PHILIPPINES & UNIFORM BUILDING CODE.
- MORTAR & GROUT FOR ALL CONCRETE MASONRY SHALL CONFORM TO ASTM C-111, TYPE M, SHALL HAVE A MINIMUM OF 28 DAYS STANDARD CYLINDER COMPRESSIVE STRENGTH OF 17.5 MPa (2500 PSI).
- ALL C-8 SHALL BE LAID OUT WITH THE CELLS UNOBSERVED VERTICAL CONTINUITY, ALL CELLS ESPECIALLY THOSE WITH REINFORCEMENT SHALL BE FILLED WITH MORTAR.
- REINFORCEMENT AS TABULATED BELOW SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED IN THE PLAN.
- ALL MASONRY WALLS SHALL BE PROVIDED WITH STIFFENER BEAM BLOCK & STIFFENER AS REQUIRED.

- FOR HIGH WALLS & EVERY 3000 mm & COLUMN (BOLT) AT 3000 mm ON CENTER.

- FOR DOORS & WINDOWS OPENING PROVIDE UNTEL BEAM SAME AS STIFFENER BEAM BLOCK.

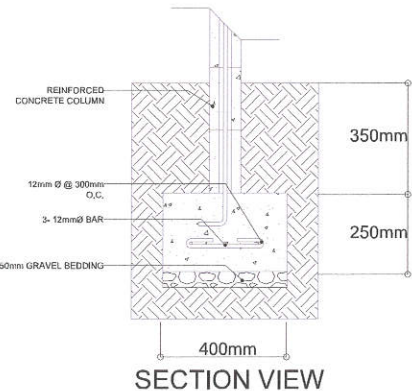
C-8 REINFORCEMENTS		
BLOCK THICKNESS (mm)	REINFORCEMENT	
	HORIZONTAL	VERTICAL
100	10mm Ø BARS @ EVERY 3RD LAYER OF C-8	10mm Ø @ 600 mm O.C.
125	10mm Ø BARS @ EVERY 3RD LAYER OF C-8	10mm Ø @ 600 mm O.C.



PLAN VIEW

2 COLUMN FOOTING DETAIL

SCALE: NTS



SECTION VIEW

1 GENERAL NOTES

SCALE: NOT TO SCALE



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SHEET CONTENT

AS-SHOWN

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ST-01
05

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MARK	DIMENSIONS			EMBEDMENT D (mm)	REINFORCEMENT		REMARK
	LENGTH(mm)	WIDTH(mm)	THICK(mm)		ALONG L	ALONG W	
F1	1200	1200	300	1200	8-16mmØ	8-16mmØ	SQUARE FOOTING

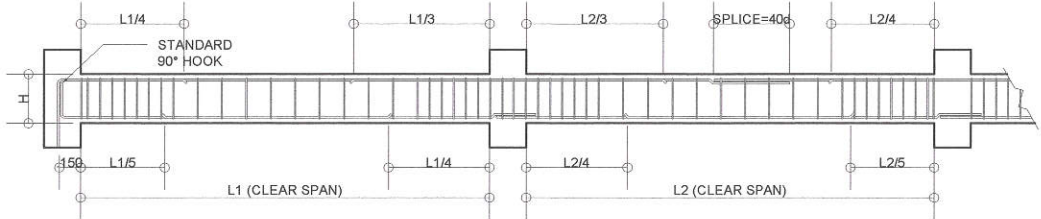
4 SCHEDULE OF COLUMN FOOTING

SCALE: NOT TO SCALE

MARK	DIMENSIONS		REINFORCEMENT	LATERAL TIES (10mmØ REBARS)	REMARK
	LENGTH(mm)	WIDTH(mm)			
C1	400	400	8-16mmØ	1@50, 8@75, REST@150mm O.C.	

5 SCHEDULE OF COLUMN

SCALE: NOT TO SCALE



6 TYPICAL BEAM DETAIL

SCALE: NOT TO SCALE

SCHEDULE OF BEAMS												
FLOOR LEVEL	BEAM MARK	BEAM DIMENSIONS (mm)		STEEL REINFORCEMENTS						STIRRUPS Ø 10mm (UNLESS NOTED OTHERWISE)		
		b	h	REBAR (mm)	LEFT		MIDSPAN		RIGHT			
					TOP	BOT	TOP	BOT	TOP			BOT
SECOND FLOOR	G-1	200	400	16mm ^Ø	4	2	2	4	4	2	10@50, 6@100, REST@200	
	G-2	300	500	16mm ^Ø	6	2	2	6	6	2	10@50, 6@100, REST@200	
ROOF FLOOR	G-1	200	400	16mm ^Ø	4	2	2	4	4	2	10@50, 6@100, REST@200	
	G-2	200	400	16mm ^Ø	4	2	2	4	4	2	10@50, 6@100, REST@200	
STAIR BEAMS	CB-1	200	400	16mm ^Ø	4	2	2	4	4	2	10@50, 6@100, REST@200	
	STB-1	200	400	16mm ^Ø	4	2	2	4	4	2	10@50, 6@100, REST@200	

1 SCHEDULE OF BEAMS

SCALE: NOT TO SCALE



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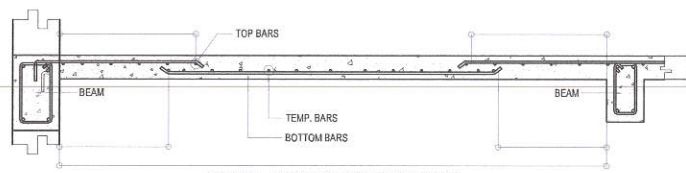
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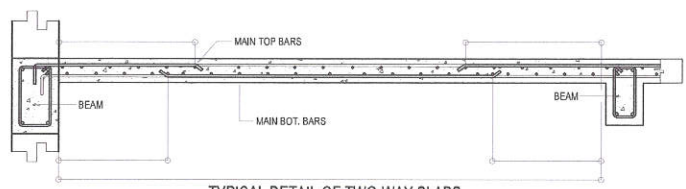
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TYPICAL DETAIL OF ONE-WAY SLABS



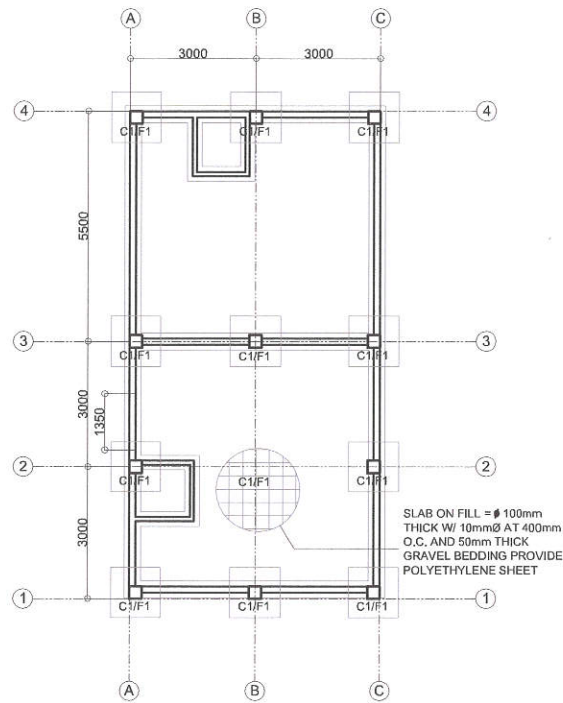
TYPICAL DETAIL OF TWO-WAY SLABS

1 SLAB DETAIL

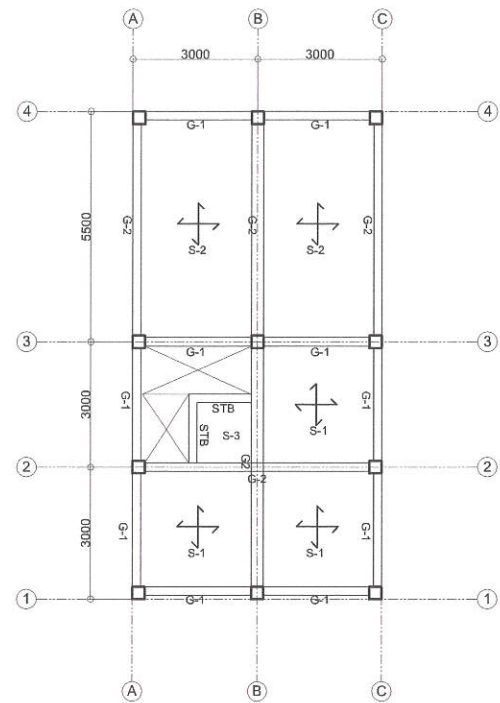
SCALE: NOT TO SCALE

SCHEDULE OF SLAB

SCHEDULE OF SLAB																	
FLOOR LEVEL	SLAB MARK	THICKNESS (mm)	REBAR SPACING ALONG SHORT DIRECTION						REBAR SPACING ALONG LONG DIRECTION						REMARKS		
			REBAR SIZE	LEFT SUPPORT		MID SPAN		RIGHT SUPPORT		REBAR SIZE	LEFT SUPPORT		MID SPAN			RIGHT SUPPORT	
				TOP	BOT	TOP	BOT	TOP	BOT		TOP	BOT	TOP	BOT		TOP	BOT
SECOND FLOOR	S-1	150	10	250	300	-	300	250	300	10	250	300	-	300	250	300	TWO-WAY
	S-2	150	10	250	300	-	300	250	300	10	250	300	-	300	250	300	TWO-WAY
	S-3	150	10	250	300	-	300	250	300	10	250	300	-	300	250	300	TWO-WAY



SLAB ON FILL = ϕ 100mm THICK W/ 10mm ϕ AT 400mm O.C. AND 50mm THICK GRAVEL BEDDING PROVIDE POLYETHYLENE SHEET



2 SCHEDULE OF SLAB

SCALE: NOT TO SCALE

3 FOUNDATION PLAN

SCALE: 1:75 METERS

4 SECOND FLOOR FRAMING PLAN

SCALE: 1:75 METERS



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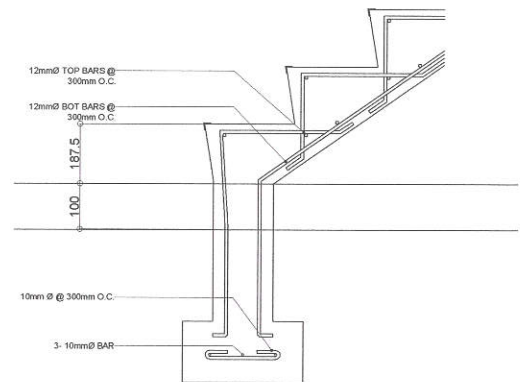
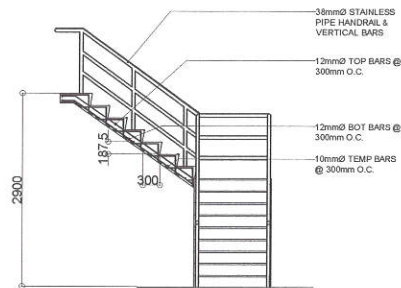
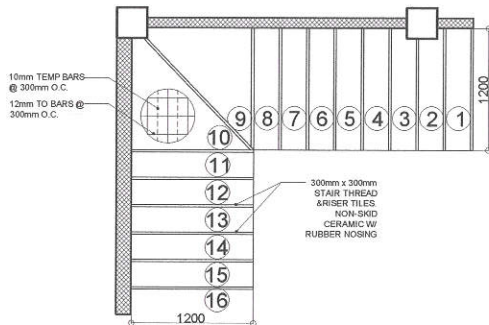
APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT
AS-SHOWN

SHEET NO.
**ST-03
05**

20-00140



5 STAIR PLAN VIEW

SCALE: NOT TO SCALE

6 STAIR ELEVATION VIEW

SCALE: NOT TO SCALE

7 STAIR FOOTING DETAIL

SCALE: NOT TO SCALE



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LOCATION: BARANGAY UP CAMPUS, DISTRICT 4,
QUEZON CITY

DRAWN BY :
DATE : OCT. 19, 2020
CHECKED BY :

REVISION NO.:

SUBMITTED BY :

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL :

ENGR. USANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY :

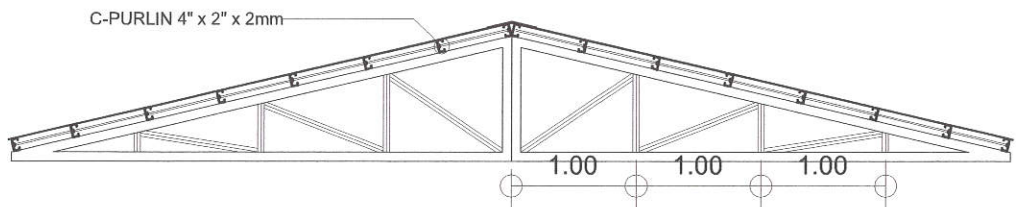
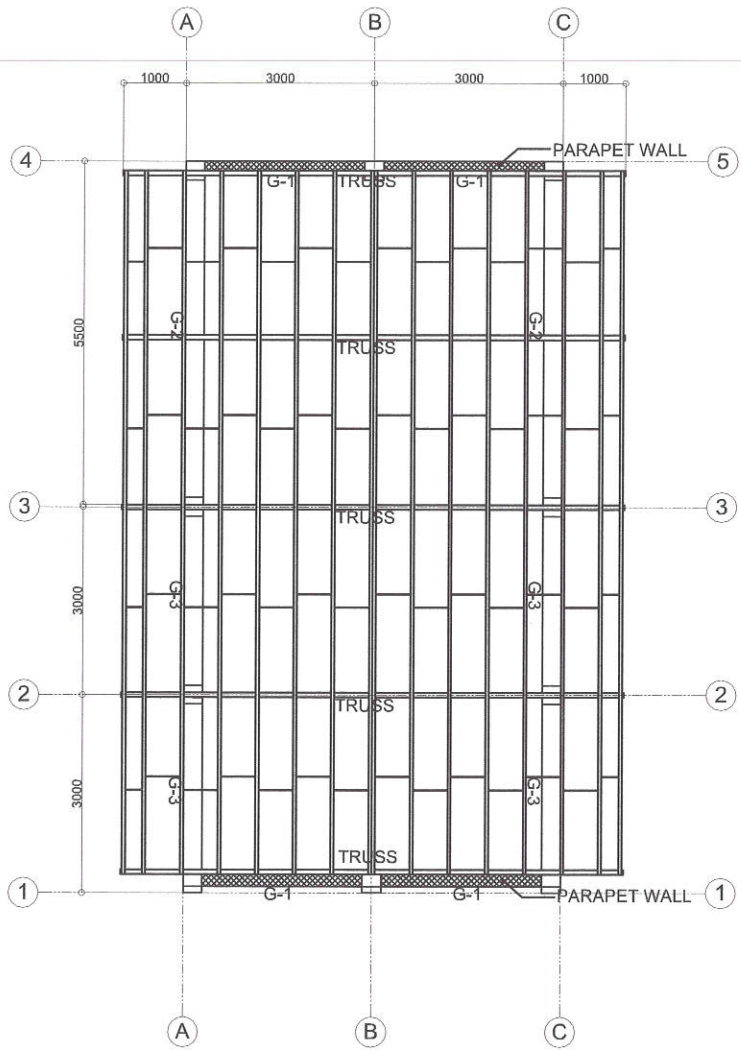
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT

SHEET NO.

ST-04
05

20-00140

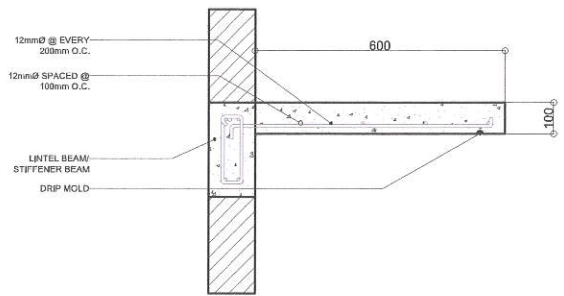


NOTE:
TOP AND BOTTOM MEMBERS
2-3" X 3" X 1/4" ANGLE BAR
MEMBERS 2-2" X 2" 1/4" ANGLE BAR

0.20m x 0.20m BASEPLATE
4-16mm Ø DYNABOLT

2 TRUSS DETAIL

SCALE: 1:25 METERS



1 ROOF FRAMING PLAN

SCALE: 1:50 METERS

3 CONCRETE CANOPY DETAIL

SCALE: NOT TO SCALE



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SHEET CONTENT

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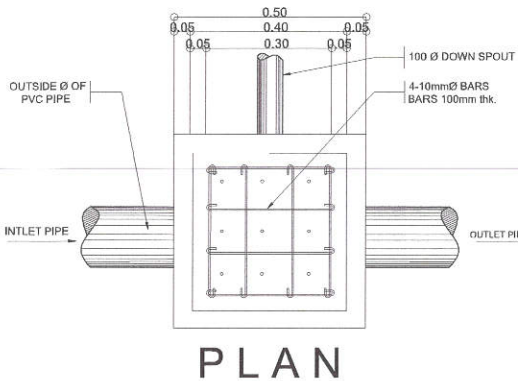
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ST-05
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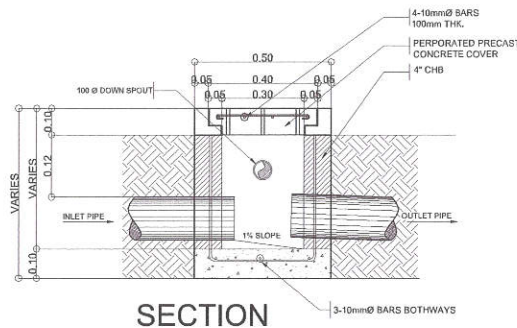
GENERAL NOTES

1. ALL PLUMBING WORKS INCLUDED HERE IN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS OF THE UNIFORM PLUMBING CODE OF THE PHILIPPINES, NATIONAL BUILDING CODE, AND THE RULES AND REGULATION OF THE CITY.
2. COORDINATE THE DRAWING AND OTHER RELATED DRAWING AND SPECIFICATION. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THERE IN.
3. ALL PIPE SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PROPER APPROVAL OF THE ARCHITECT OR ENGINEER.
4. RUN ALL HORIZONTAL PIPING IN PERFECT ALIGNMENT AND AT UNIFORM GRADE OF NOT LESS THAN TWO (2%) PERCENT SLOPE FOR SANITARY DRAINAGE SYSTEM AND ONE (1%) PERCENT SLOPE FOR STORM DRAINAGE SYSTEM.
5. ALL WATER LINE SHALL BE NELSEX, TO BE HYDRO TEST FOR AT LEAST 100 PSI PRIOR TO TOPPING.
6. ALL SANITARY LINES AND DOWNSPOUT SHALL BE PVC PIPE (NELSEX) SERIES 1000 AND TO BE LEAK TEST AT 1.5M HEAD.
7. ALL FIXTURES SHALL BE PROPERLY VENTED WITH MINIMUM DISTANCE OF 1.50M.
8. NO FLOOR DRAINS, CLEANOUTS, SHALL PROTRUDE ON ITS FINISH SURFACE THAT MAY CAUSE HAZARD TO PERSON WHO STEP ON IT.
9. PROVIDE AIR CHAMBER ON EVERY FAUCET

AD/CB - AREA DRAIN / CATCH BASIN	MH - MANHOLE	- WASTE LINE
Ø - DIAMETER	□ - AREA DRAIN / CATCH BASIN	- WATER LINE
RD - ROOF DRAIN	WC - WATER CLOSET	- GATE VALVE
MH - MANHOLE	LAV - LAVATORY	- PIPE DOWN
mm - MILLIMETER	SP - SOIL PIPE	- PIPE UP
CO - CLEANOUT	GV - GATE VALVE	- END CAP
HB - HOSE BIBB	DS - DOWNSPOUT	- VENT LINE
VS - VENT STACK	FD - FLOOR DRAIN	- STORM DRAINAGE LINE
FD - FLOOR DRAIN	WM - WATER METER	



20-00140



1 GENERAL NOTES

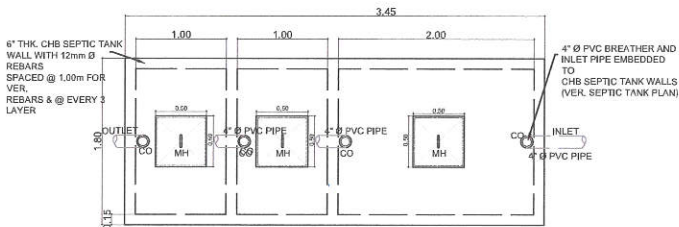
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2 LEGENDS AND SYMBOLS

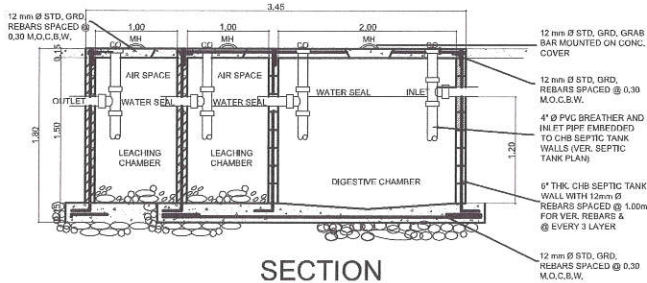
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4 DETAIL OF AREA DRAIN/CATCH BASIN

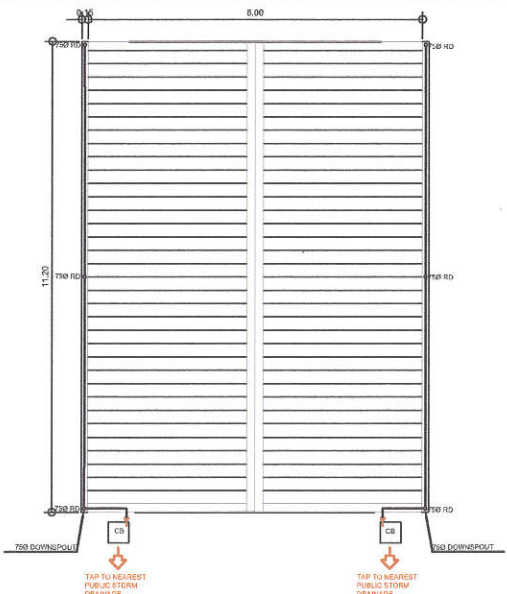
SCALE: N.T.S.



PLAN



SECTION



3 SEPTIC TANK DETAIL

SCALE: N.T.S.

5 ROOF PLAN

SCALE: N.T.S.



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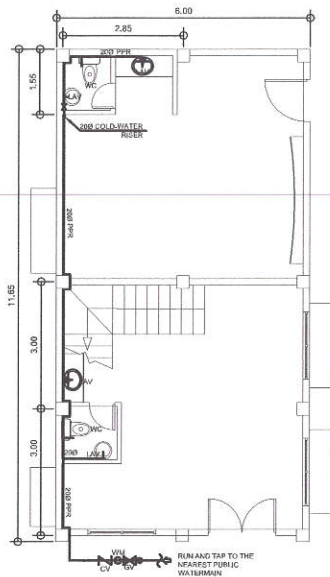
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SHEET CONTENT
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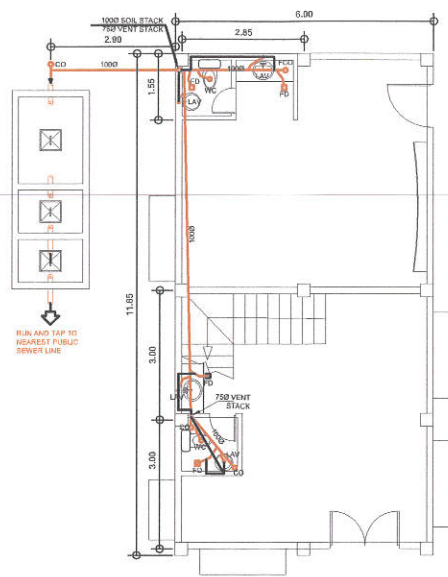
SHEET NO.

PL-01
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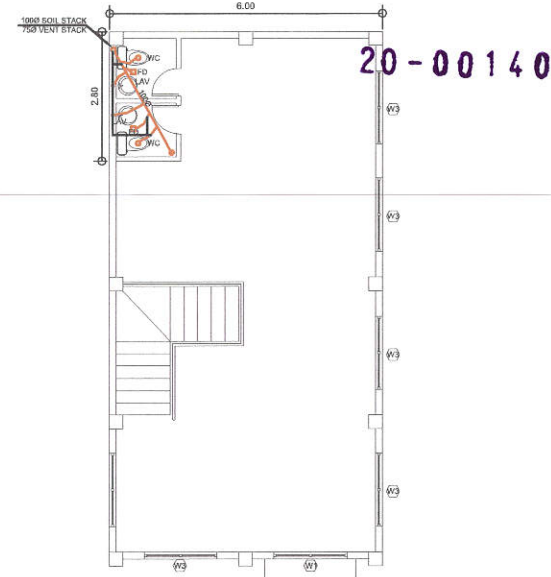
1 GROUND FLOOR WATERLINE LAYOUT

SCALE: N.T.S.



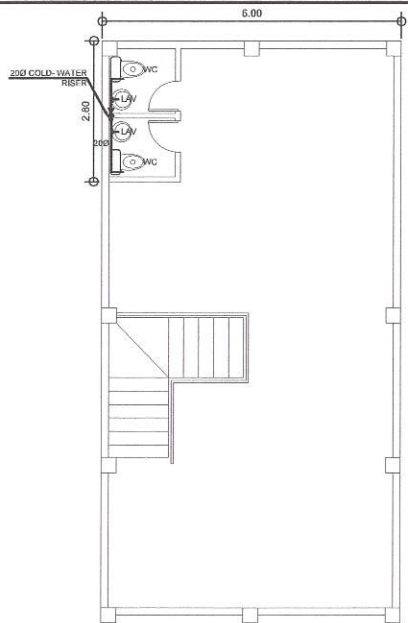
3 GROUND FLOOR SANITARY LINE LAYOUT

SCALE: N.T.S.



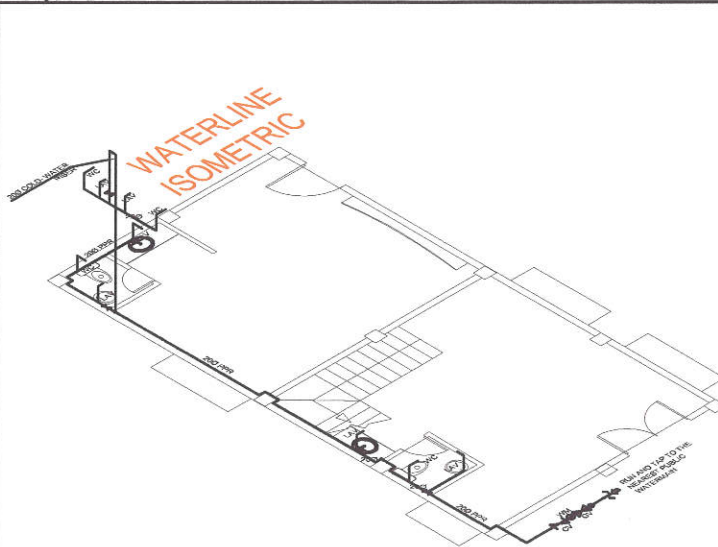
4 SECOND FLOOR SANITARY LINE LAYOUT

SCALE: N.T.S.



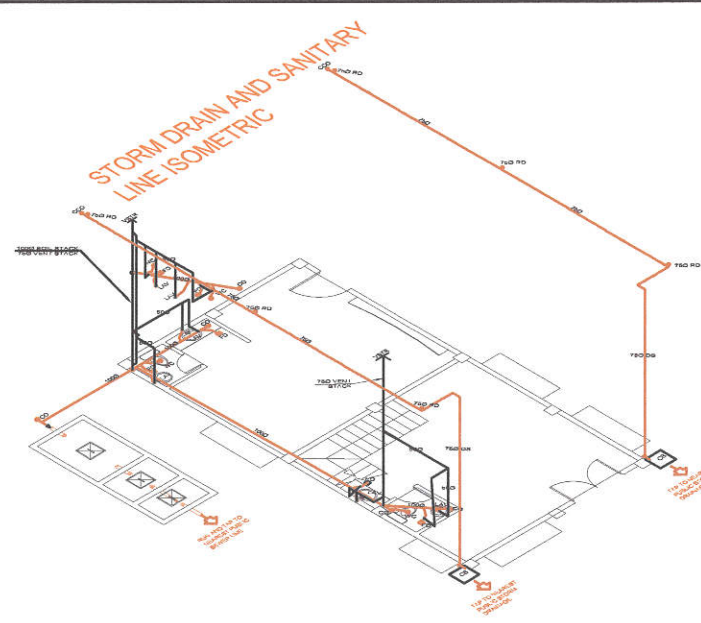
2 SECOND FLOOR WATERLINE LAYOUT

SCALE: N.T.S.



5 ISOMETRIC VIEW

SCALE: N.T.S.



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SHEET CONTENT

AS-SHOWN

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PL-02
02