

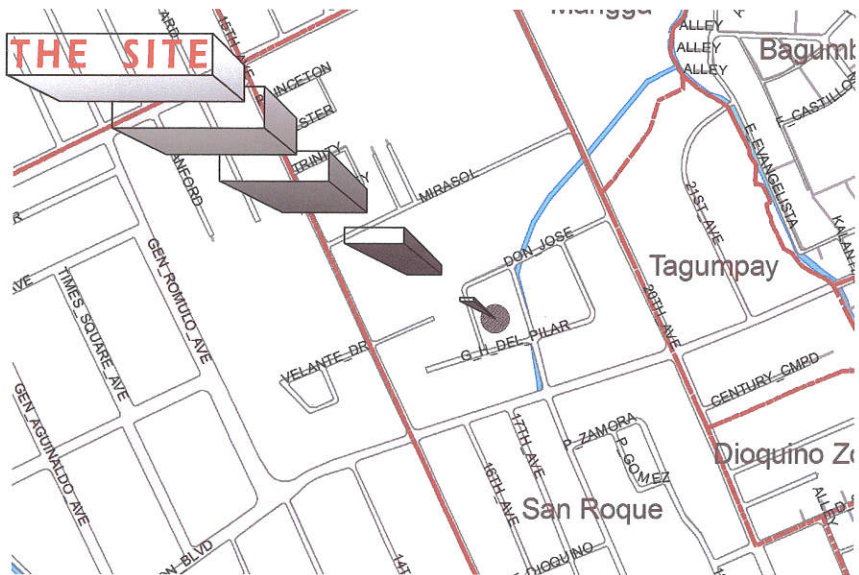
1 VICINITY MAP

NOT TO SCALE



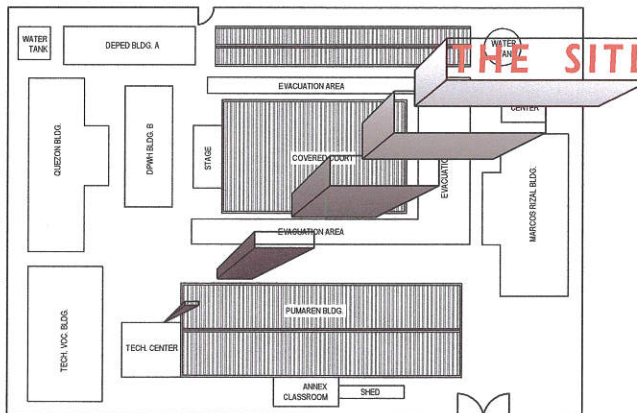
3 PERSPECTIVE

NOT TO SCALE



2 LOCATION MAP

NOT TO SCALE



4 SITE DEVELOPMENT PLAN

NOT TO SCALE

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
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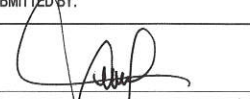
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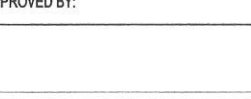

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CITY ENGINEERING DEPARTMENT


PROJECT TITLE :
PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL
LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY

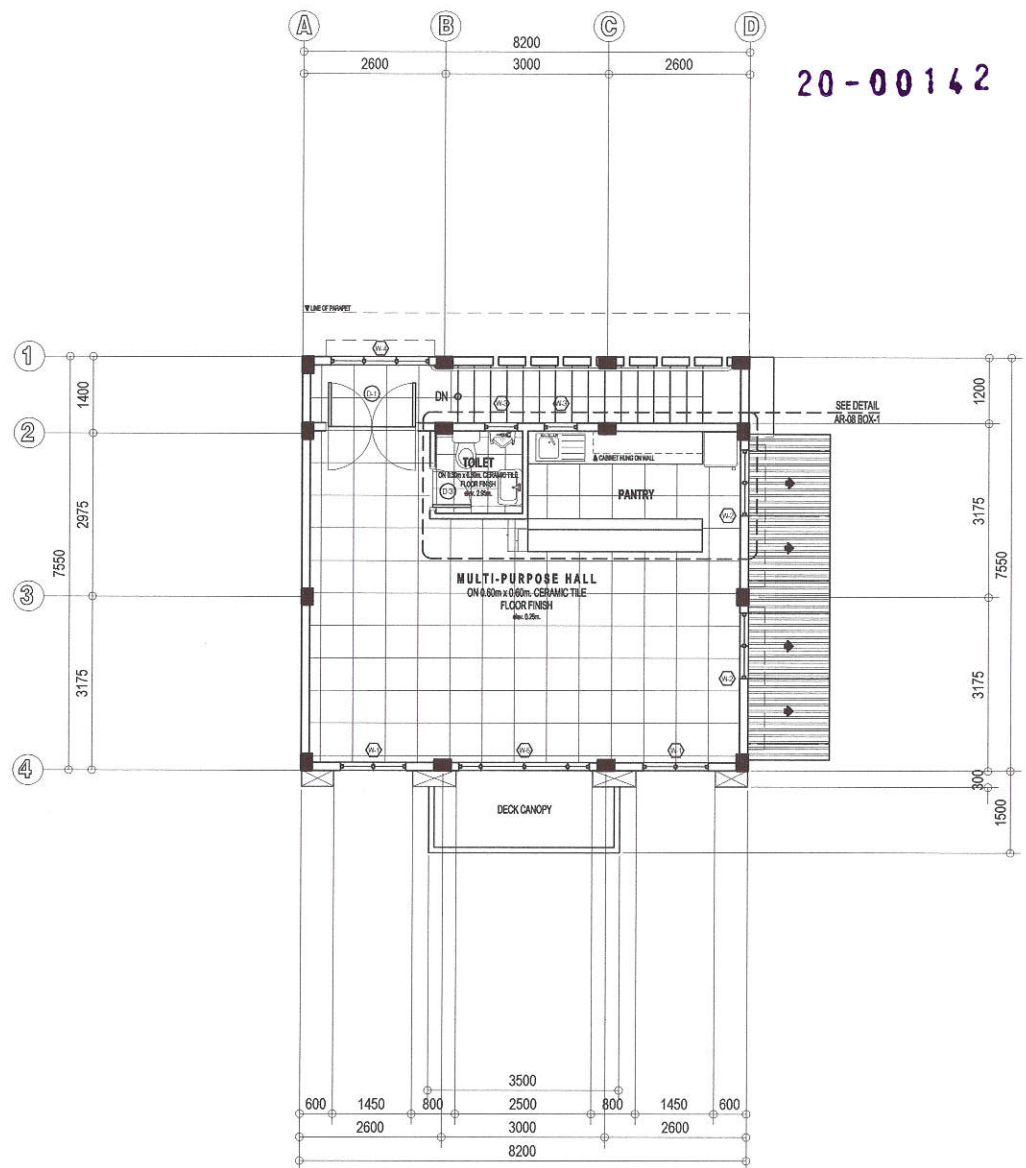
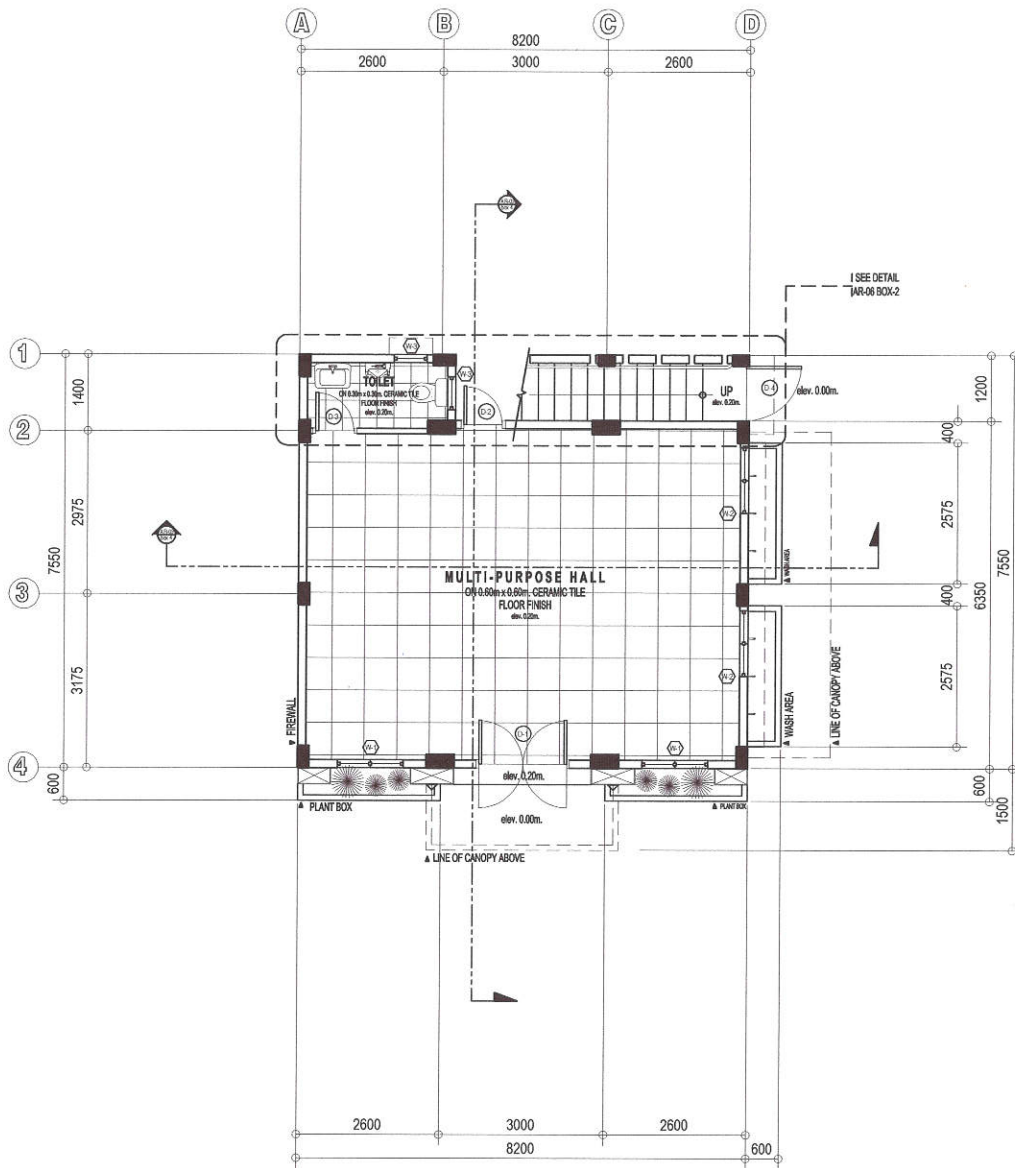
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DATE: OCT. 27, 2020
CHECKED BY: 
REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

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

APPROVED BY:

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

SHEET CONTENT
SHEET NO.




20-00142

1 GROUND FLOOR PLAN

SCALE 1:100 MTS

2 SECOND FLOOR PLAN

SCALE 1:100 MTS



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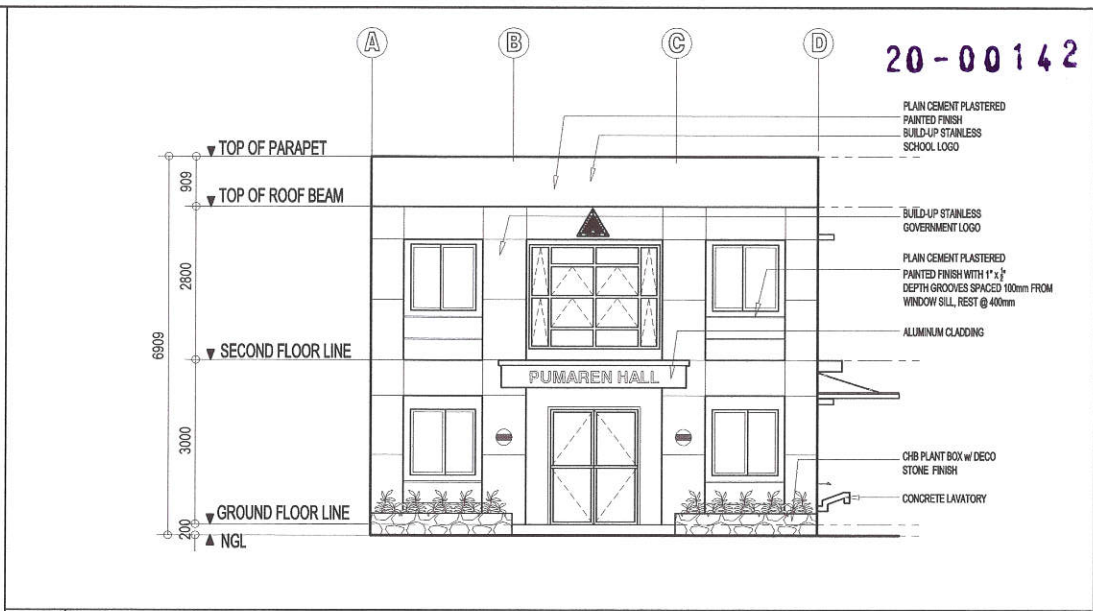
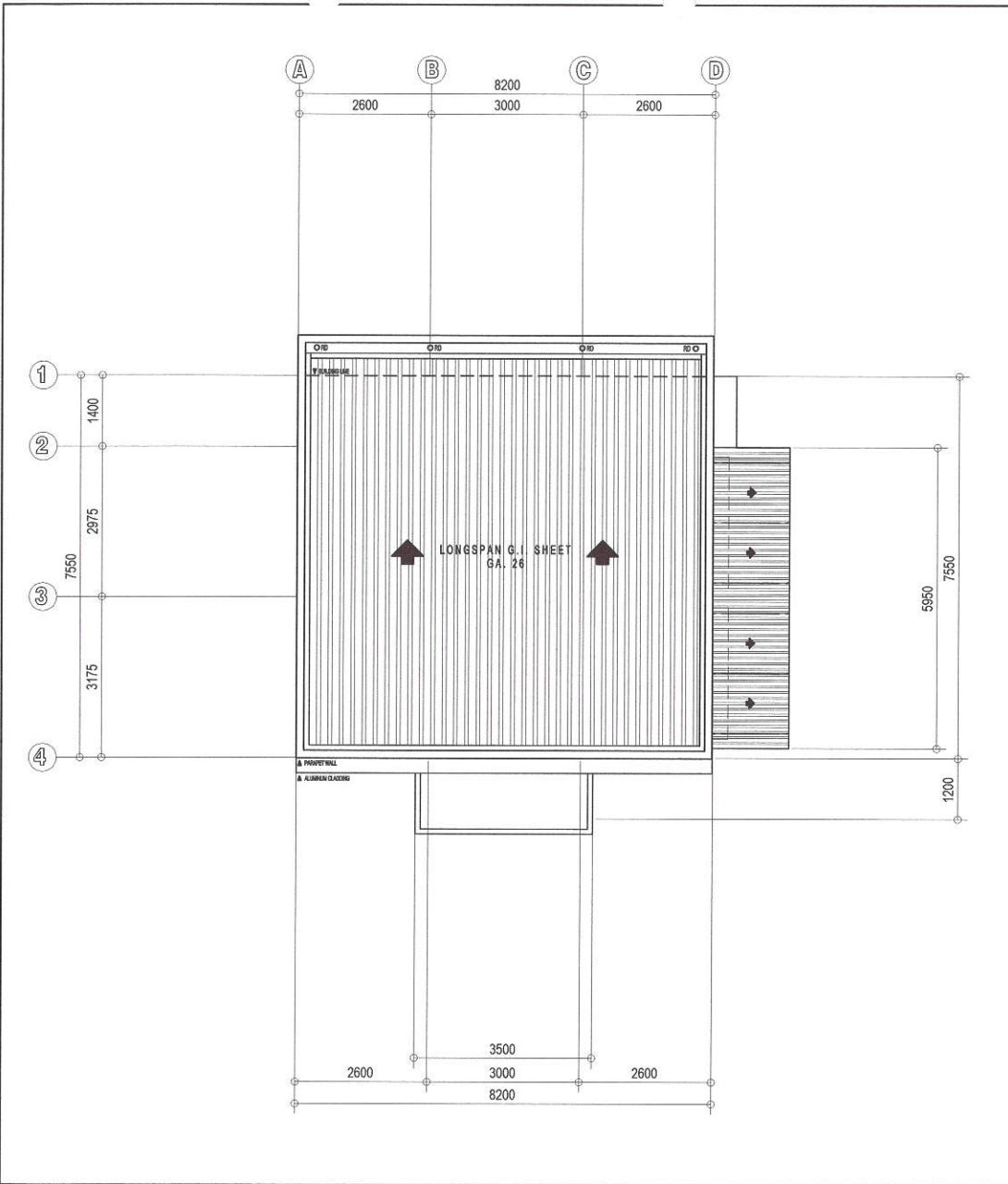
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HEAD, PLANNING & PROGRAMMING DIVISION

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OIC, CITY ENGINEERING DEPARTMENT

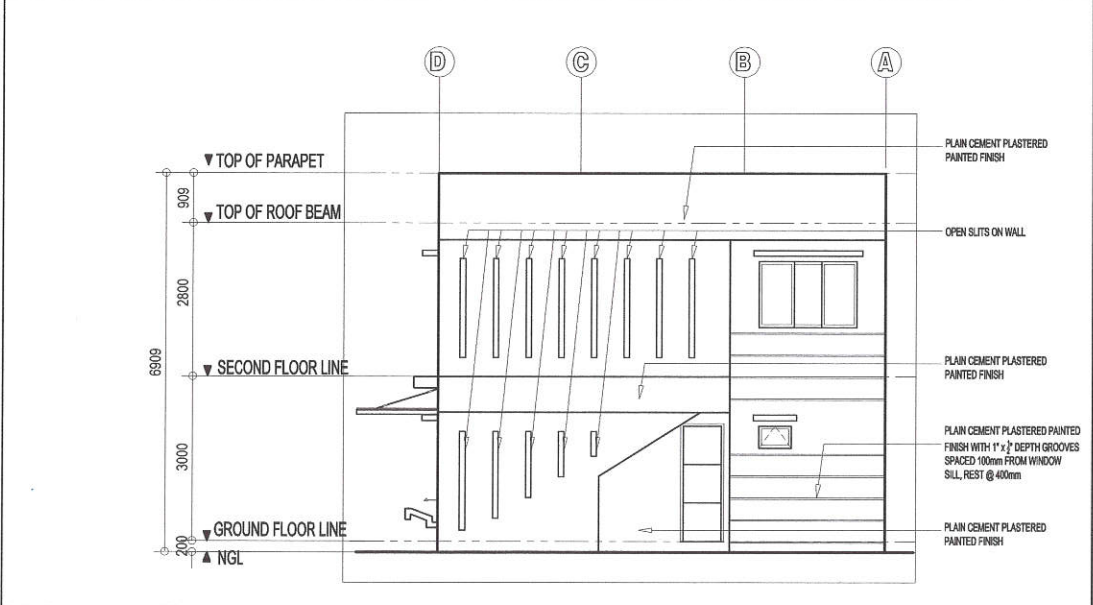
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SHEET CONTENT
GROUND FLOOR PLAN
SECOND FLOOR PLAN

SHEET NO.
AR 02



2 FRONT ELEVATION SCALE 1:100 MTS

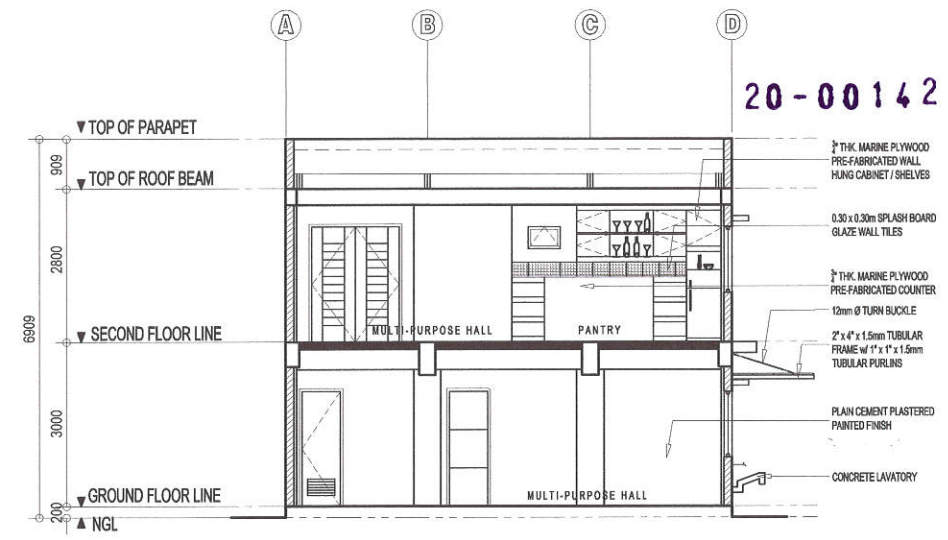
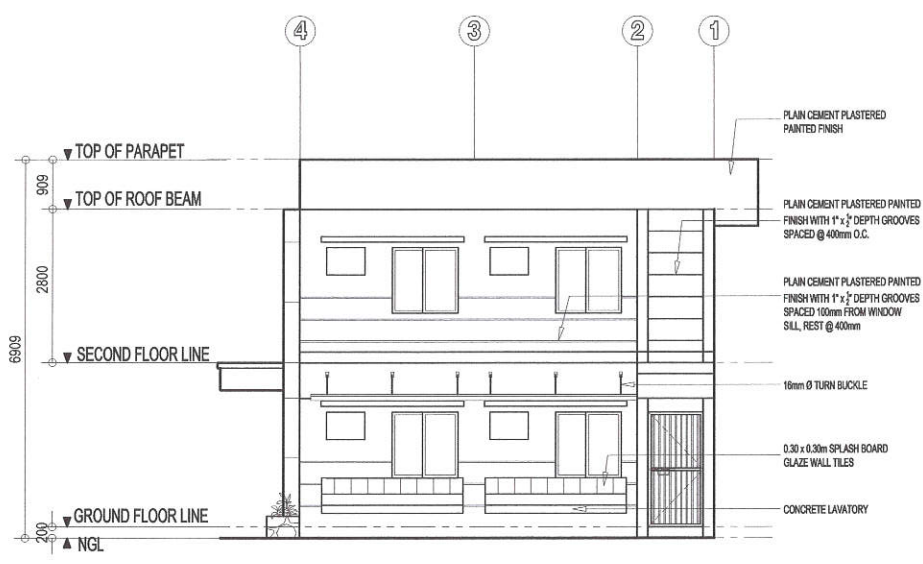


3 REAR ELEVATION SCALE 1:100 MTS

1 ROOF PLAN SCALE 1:100 MTS

<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE:	DRAWN BY: DAA	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
	PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL	DATE: OCT. 27, 2020	<p>ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY</p>	<p>ROOF PLAN FRONT ELEVATION REAR ELEVATION</p>	
	LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY	CHECKED BY:					

20-00142

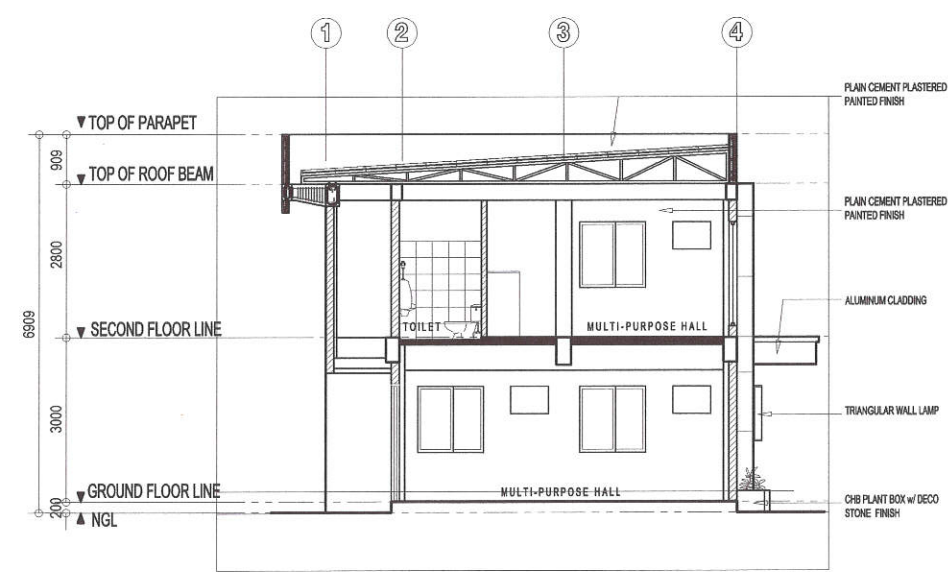
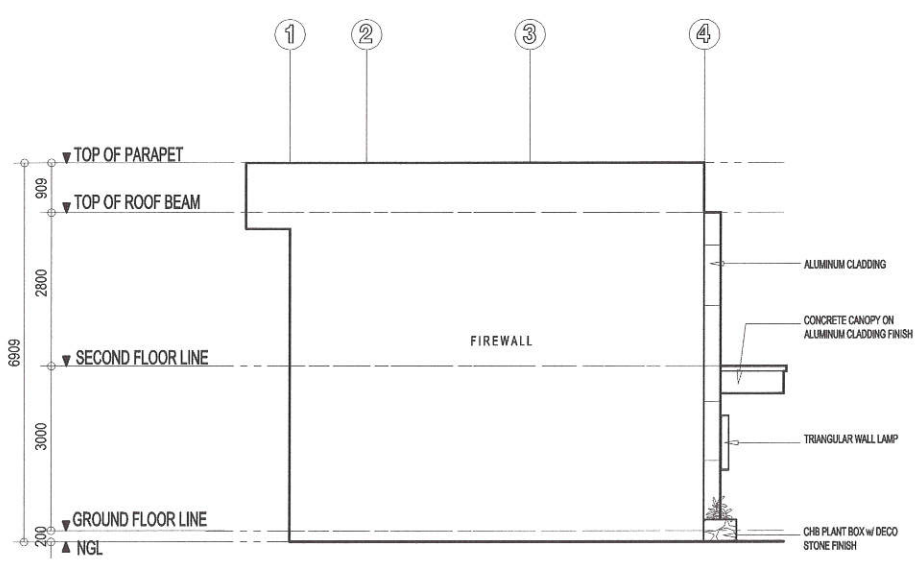


1 RIGHT SIDE ELEVATION

SCALE 1:100 MTS

3 LONGITUDINAL SECTION

SCALE 1:100 MTS



2 LEFT SIDE ELEVATION

SCALE 1:100 MTS

4 CROSS SECTION

SCALE 1:100 MTS



PROJECT TITLE:
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 HEAD, PLANNING & PROGRAMMING DIVISION

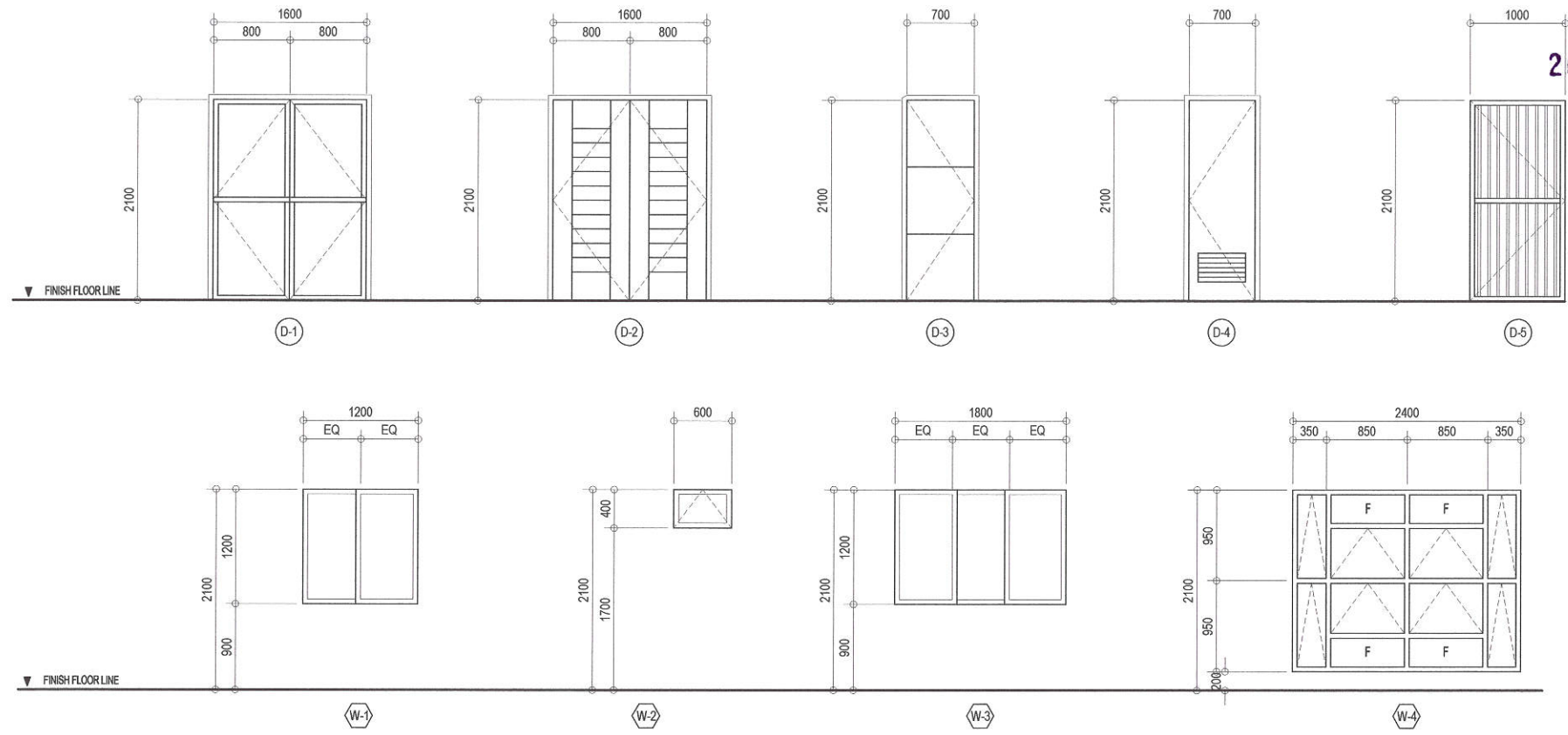
RECOMMENDING APPROVAL:
 [Signature]
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 OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
 [Signature]
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 CITY MAYOR, QUEZON CITY

SHEET CONTENT
 RIGHT SIDE ELEVATION
 LEFT SIDE ELEVATION
 LONGITUDINAL SECTION
 CROSS SECTION

SHEET NO.
AR 04

20-00142



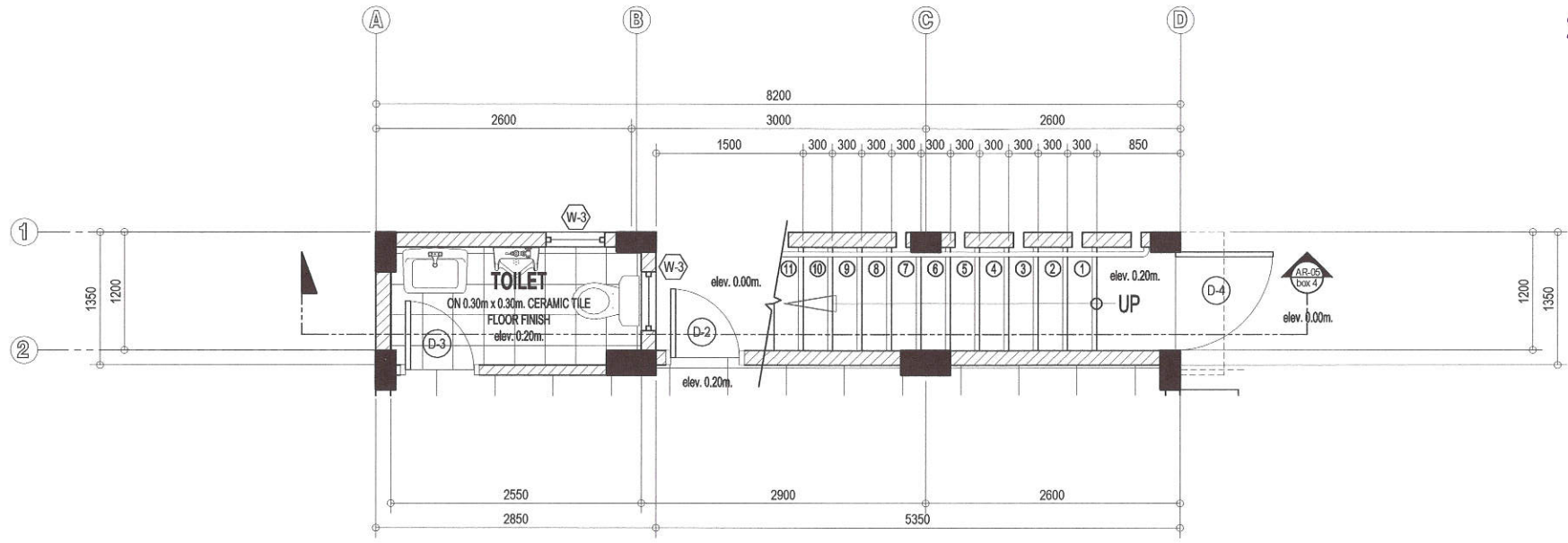
MARK	NO. OF UNITS	DESCRIPTION	LOCATION
D1	1 SET	DOUBLE SWING GLASS DOOR ON ALUMINUM FRAMING w/ COMPLETE ACCESSORIES	GROUND AND SECOND FLOOR ENTRY
D2	1 SET	2 PANEL FLUSH DOOR w/ BARREL BOLT LOCK AND COMPLETE ACCESSORIES	SECOND FLOOR
D3	1 SET	FLUSH DOOR WITH GROOVES w/ BARREL BOLT LOCK AND COMPLETE ACCESSORIES	REAR SIDE ENTRY
D4	2 SETS	FLUSH DOOR WITH LOUVERS w/ COMPLETE ACCESSORIES	TOILET
D5	1 SET	STEEL DOOR - 2" x 4" x 2.0mm TUBULAR FRAME w/ 1" x 2" x 1.5mm @ 0.10m. O.C.	STAIRCASE ENTRY
W1	8 SETS	SLIDING GLASS WINDOW ON ALUMINUM FRAMING w/ COMPLETE ACCESSORIES	FRONT WALL / RIGHT SIDE WALL
W2	4 SETS	AWNING GLASS WINDOW ON ALUMINUM FRAMING w/ COMPLETE ACCESSORIES	TOILET & PANTRY
W3	1 SET	SLIDING GLASS WINDOW ON ALUMINUM FRAMING w/ COMPLETE ACCESSORIES	SECOND FLOOR ENTRY
W4	1 SET	10mm. THK. TEMPERED FIXED GLASS ON POWDERED COATED ALUMINUM FRAME	FRONT FACADE

1 SCHEDULE OF DOORS AND WINDOWS

SCALE 1:50 MTS

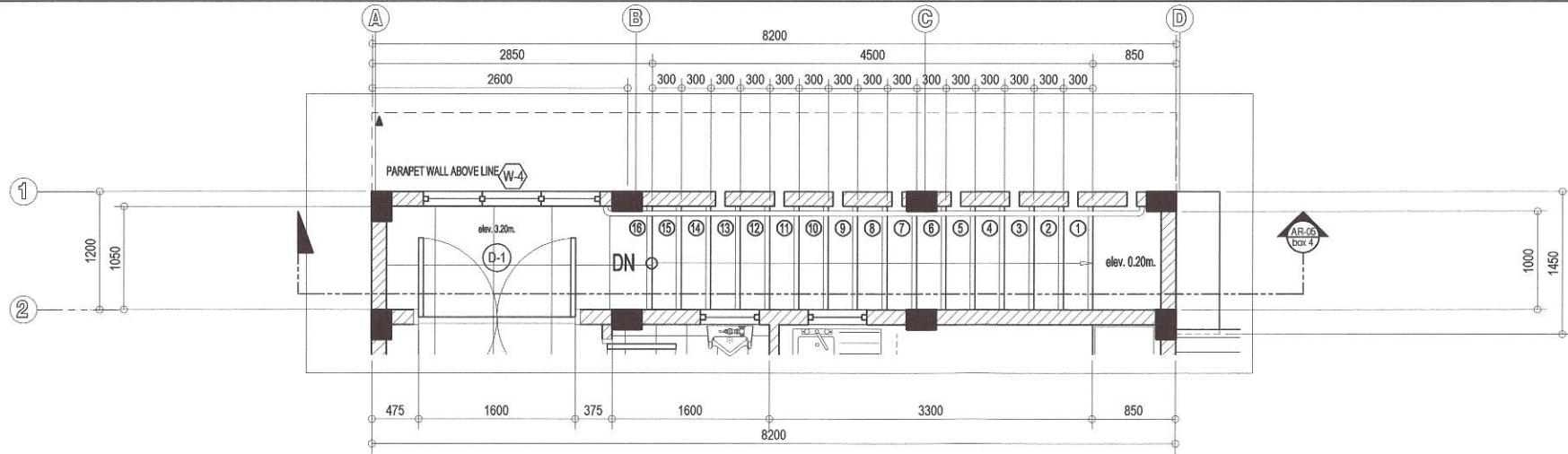
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CITY ENGINEERING DEPARTMENT

PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL	DRAWN BY: DAA DATE: OCT. 27, 2020 CHECKED BY:	SUBMITTED BY: 	RECOMMENDING APPROVAL: 	APPROVED BY: 	SHEET CONTENT SCHEDULE OF DOORS AND WINDOWS	SHEET NO. AR 05
LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY	REVISION NO.:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. CIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		



1 GROUND FLOOR STAIR PLAN

SCALE 1:50 MTS



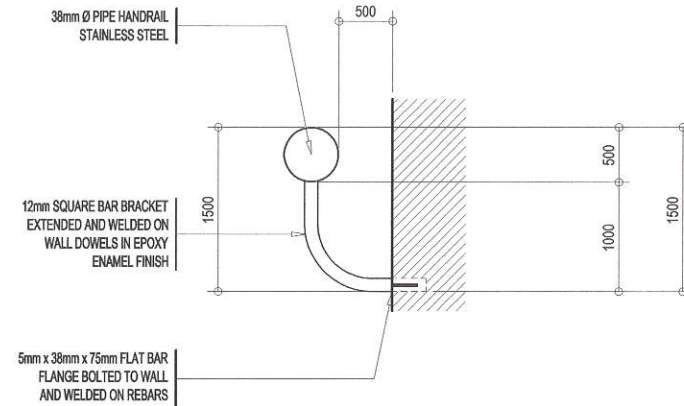
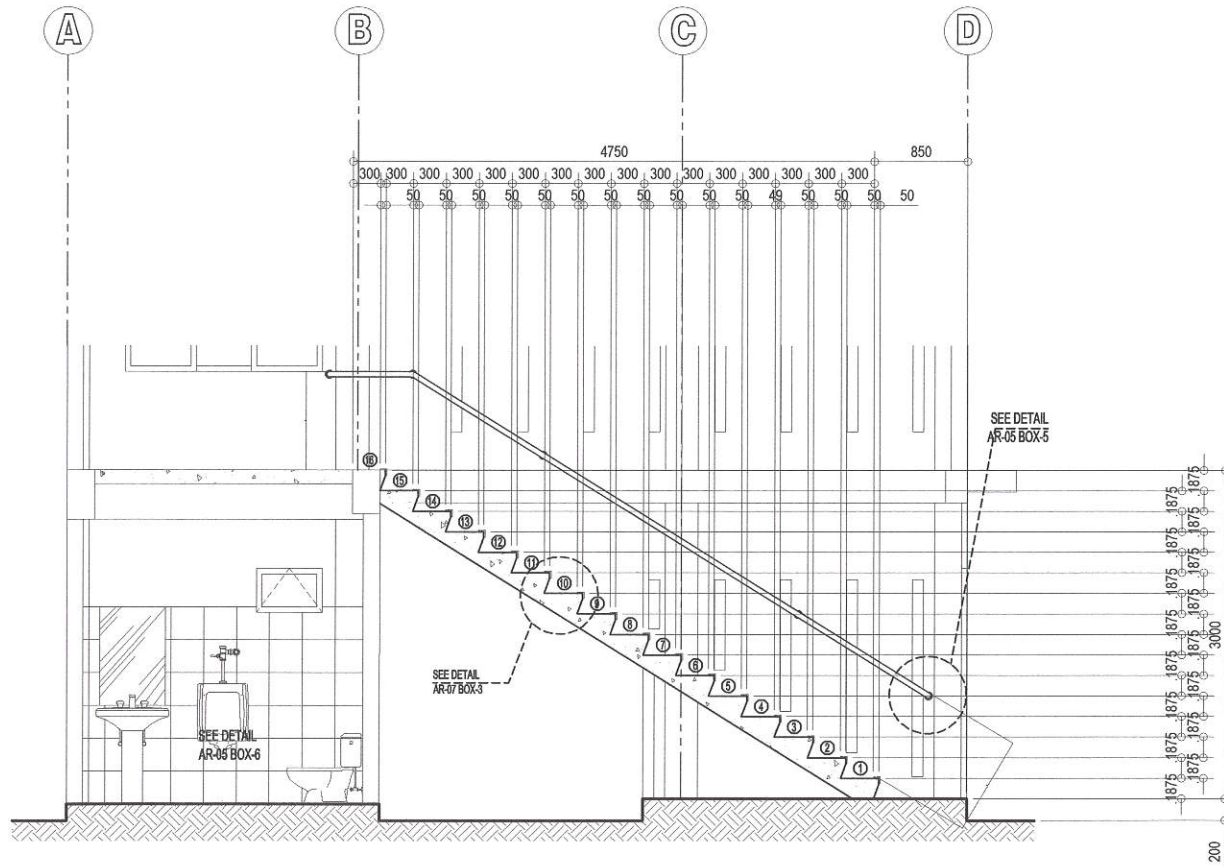
2 SECOND FLOOR STAIR PLAN

SCALE 1:50 MTS



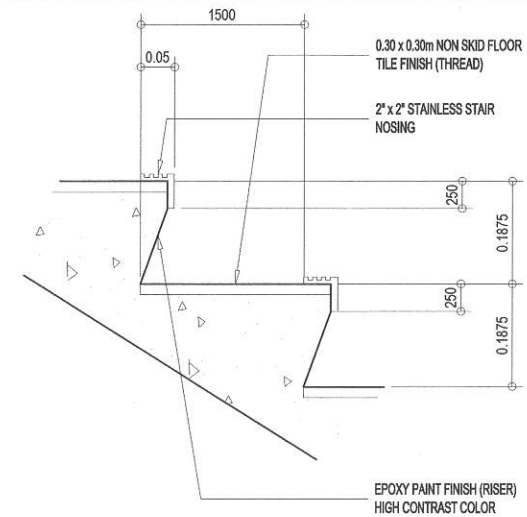
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PROJECT TITLE : PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL	DRAWN BY: DAA	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
	DATE: OCT. 27, 2020	 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	GROUND FLOOR STAIR PLAN SECOND FLOOR STAIR PLAN	
	CHECKED BY:					
LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY						



2 SPOT DETAIL A

NOT TO SCALE



3 SPOT DETAIL B

NOT TO SCALE

1 DETAILED SECTION OF STAIR

SCALE 1:50 MTS

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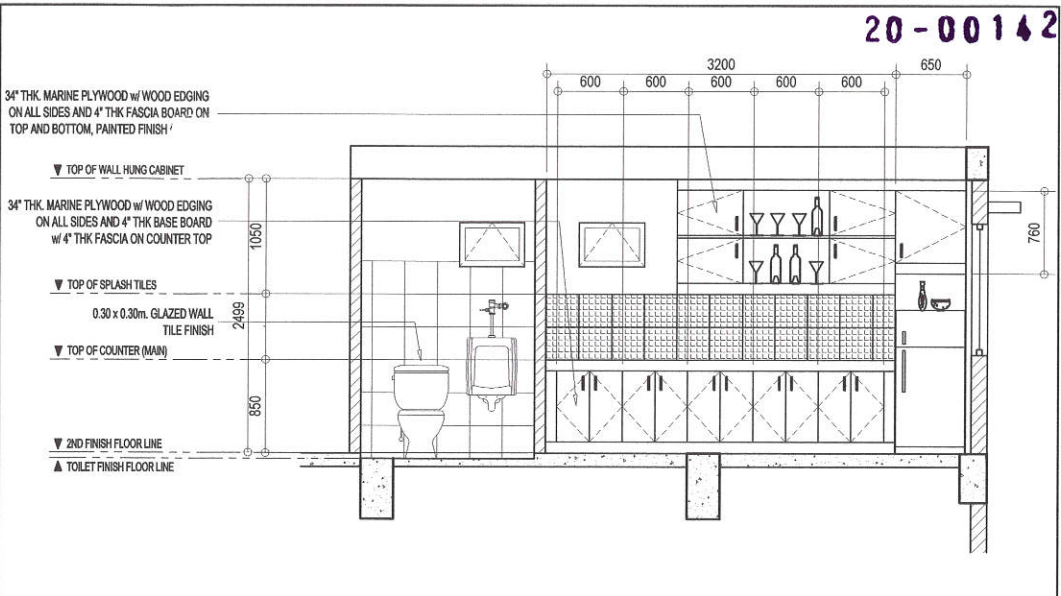
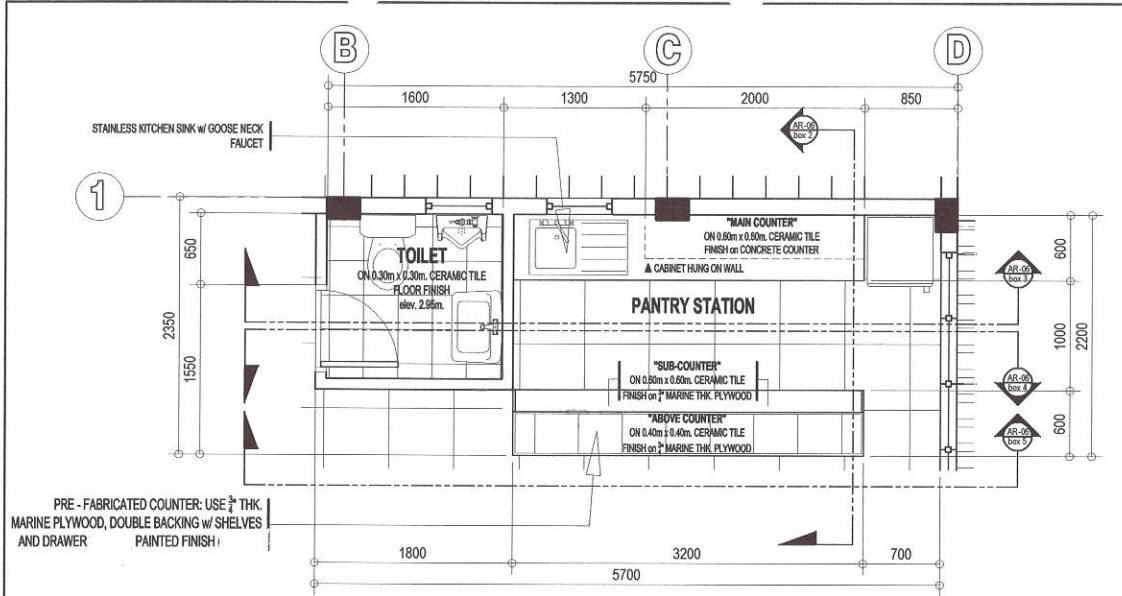
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OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
[Signature]
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT
DETAIL SECTION OF STAIR
SPOT DETAIL A
SPOT DETAIL B

SHEET NO.
AR 07

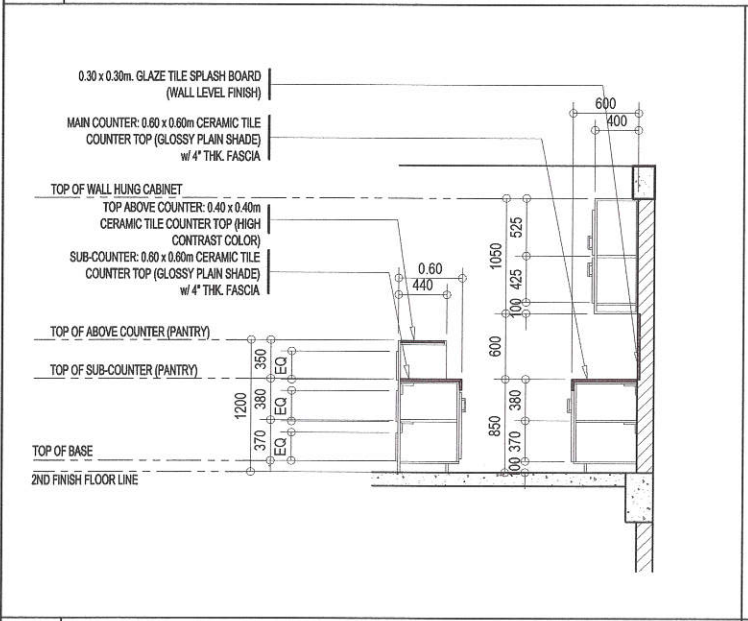


1 PANTRY STATION DETAIL

SCALE 1:50 MTS

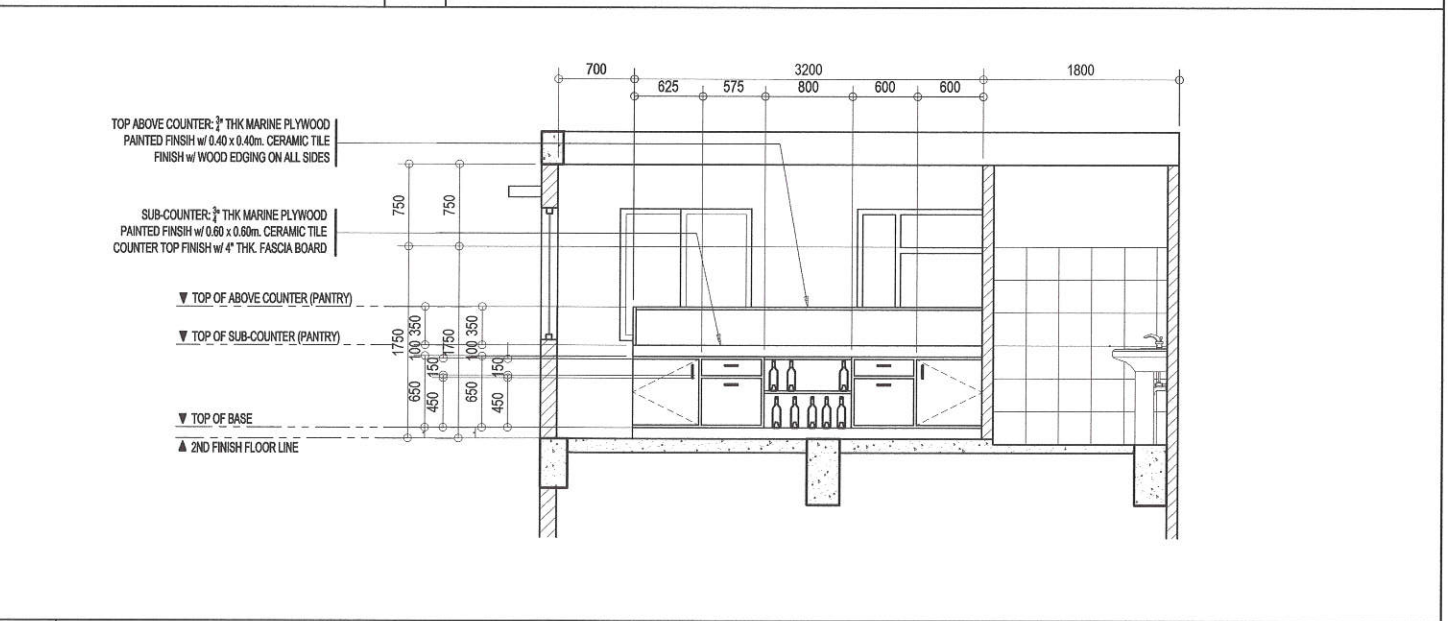
3 PANTRY SECTION B

SCALE 1:50 MTS



2 PANTRY SECTION - A

SCALE 1:50 MTS



4 PANTRY SECTION - C

SCALE 1:50 MTS



PROJECT TITLE:
PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL

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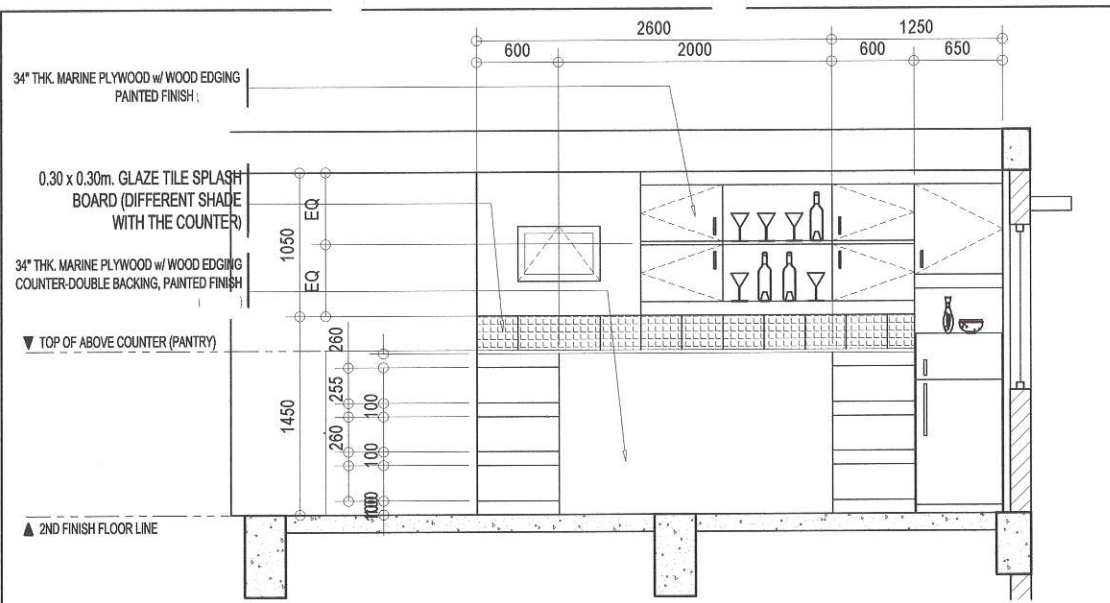
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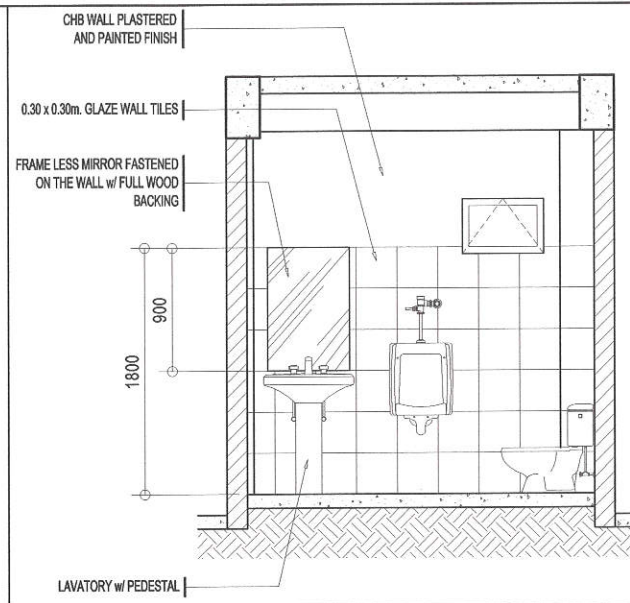
SHEET CONTENT
PANTRY STATION
PANTRY SECTION - A
PANTRY SECTION - B
PANTRY SECTION - C

SHEET NO.
AR 08



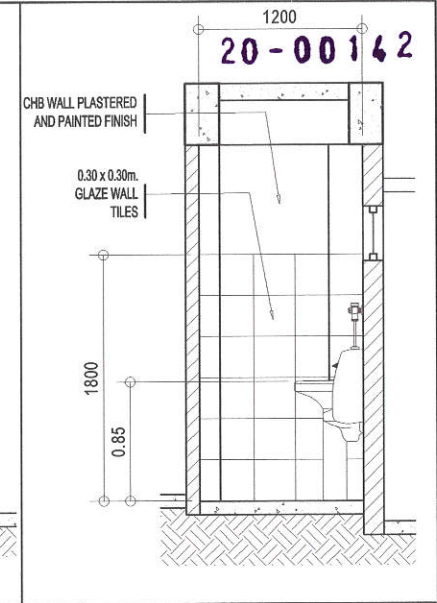
1 PANTRY SECTION - D

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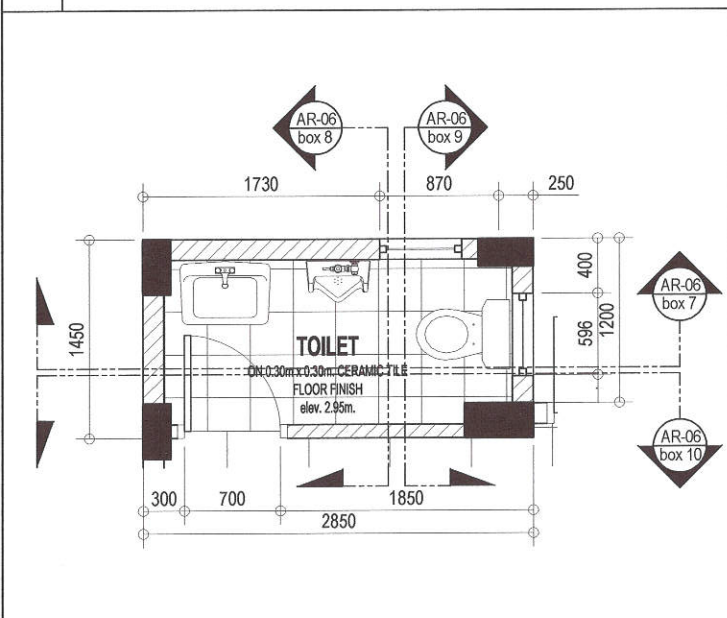


3 TOILET SECTION - A

SCALE 1:40 MTS

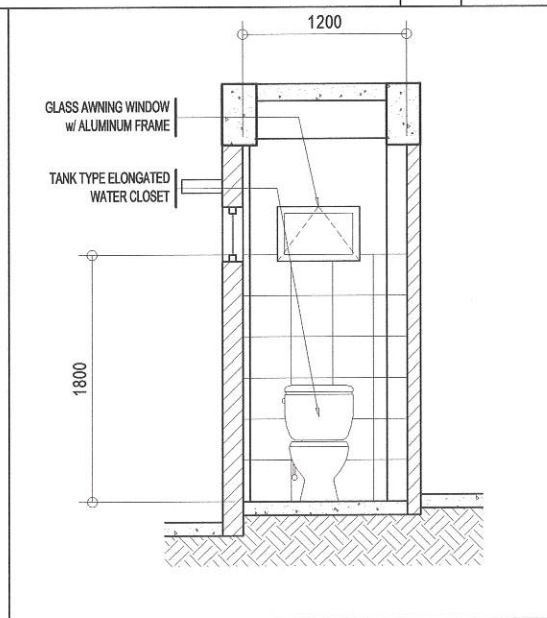


4 T. SECTION - B SCALE 1:40 MTS



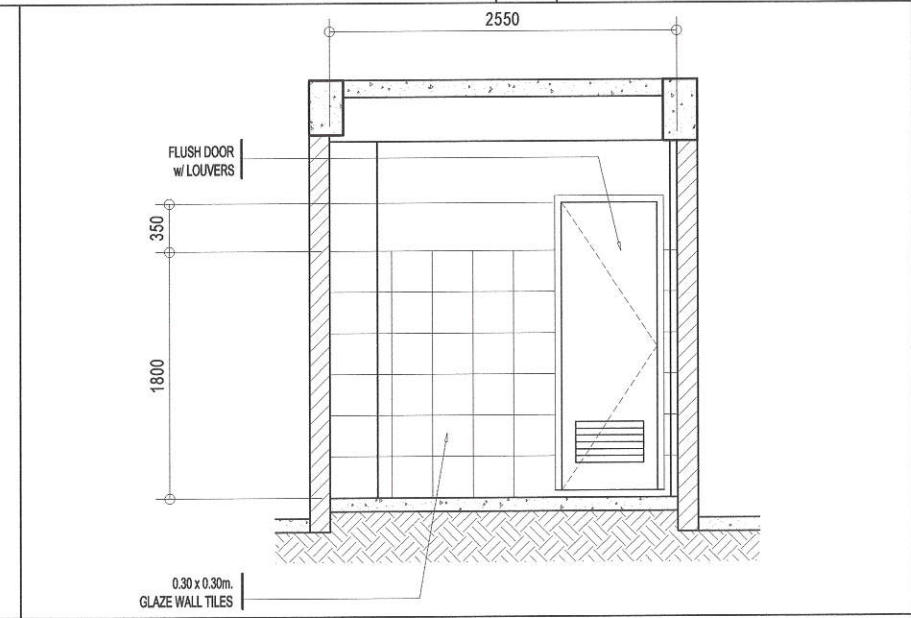
2 GROUND FLOOR TOILET DETAIL

SCALE 1:40 MTS



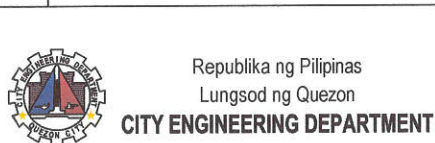
5 TOILET SECTION - C

SCALE 1:40 MTS



6 TOILET SECTION - D

SCALE 1:40 MTS



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OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
[Signature]
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT
PANTRY SECTION - D
GROUND FLOOR TOILET DETAIL
TOILET SECTION - A
TOILET SECTION - B
TOILET SECTION - C
TOILET SECTION - D

SHEET NO.
AR 09

- GENERAL**
- CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
 - SHOP 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

LOCATION	STRENGTH	MAX. SIZE OF AGGREGATES	MAX. SLUMP
a. SLAB ON GRADE, CURBS, PAVEMENTS, FOOTING, WALL FOOTING	3000 PSI (20.685 Mpa)	1 in. (25mm)	4 in. (100mm)
b. BEAMS, COLUMNS, SUSPENDED SLAB	3000 PSI (20.685 Mpa)	3/4 in. (19mm)	4 in. (100mm)
d. LEAN CONCRETE	2500 PSI (17.24 Mpa)	1 in. (25mm)	4 in. (100mm)

- ALL REINFORCING BARS SHALL CONFORM TO PH69 GRADE 275 FOR 12mm Ø AND SMALLER BARS AND GRADE 415 FOR 16mm Ø AND LARGER BARS.
- IN GENERAL, THE LATEST EDITION OF ACI 315, 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
BEAMS & COLUMNS	40 mm

- SPICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPICES 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, STOOLS, EQUIPMENTS, AND MECHANICAL BRACES 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 SHORES:

CONCRETE	CURING
FOUNDATION	24 HRS.
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8 DAYS
PEDESTALS, COLUMNS, WALLS	7 DAYS
BEAMS	21 DAYS

STRUCTURAL STEEL AND PLATES

- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM (A-36) SPECIFICATIONS WITH MINIMUM YIELD STRENGTH $f_y=250MPa$
- 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

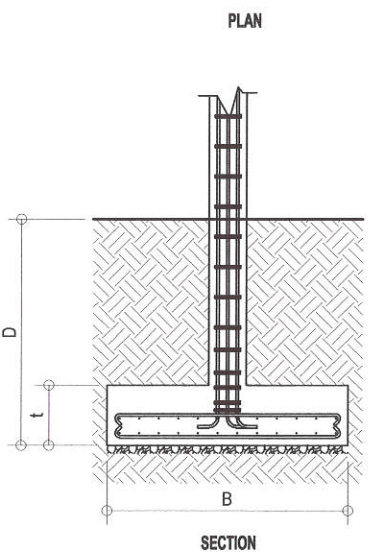
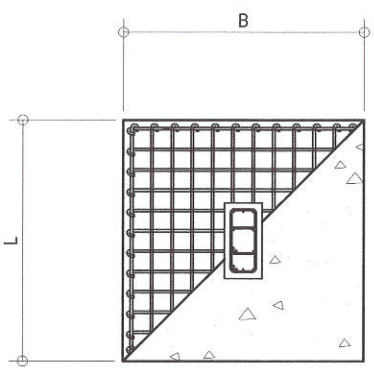
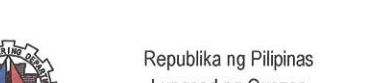
FOUNDATION

- 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 270 - TYPE N & SHALL HAVE A MINIMUM OF 28 DAYS STANDARD CYLINDER COMPRESSIVE STRENGTH OF 12.5 MPa (2500 PSI).
- ALL CHB SHALL BE LAID OUT WITH THE CELLS IN UNOBTSTRUCTED 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 & EVERT 2000 mm & COLUMN (BOLT) AT 3000 mm ON CENTER.
 - FOR DOORS & WINDOWS OPENING PROVIDE UNTEL BEAM SAME AS STIFFENER BEAM BLOCK.

BLOCK THICKNESS (mm)	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
100	10mm Ø BARS @ EVERY 200mm OF CHB	10mm Ø @ 600 mm O.C.	A. MIN LAP SPICE = 300mm LONG
125	10mm Ø BARS @ EVERY 100mm OF CHB	10mm Ø @ 600 mm O.C.	B. PROVIDE 90° ANGLE REINFORCEMENT @ CORNERS



SCHEDULE OF FOOTINGS

MARK	DIMENSIONS (mm)			MAIN REINFORCEMENTS		TOP BARS		D mm	REMARKS
	B	L	t	ALONG B	ALONG L	ALONG B	ALONG L		
FOOTING ONE (F-1)	1600	1600	400	12 - 16mm Ø	12 - 16mm Ø	12 - 16mm Ø	12 - 16mm Ø	1500	SQUARE FOOTING
FOOTING TWO (F-2)	1400	1400	375	10 - 16mm Ø	10 - 16mm Ø			1500	SQUARE FOOTING
FOOTING THREE (F-3)	1300	1300	350	8 - 16mm Ø	8 - 16mm Ø			1200	SQUARE FOOTING
FOOTING FOUR (F-4)	1000	1000	250	6 - 16mm Ø	6 - 16mm Ø			1000	SQUARE FOOTING

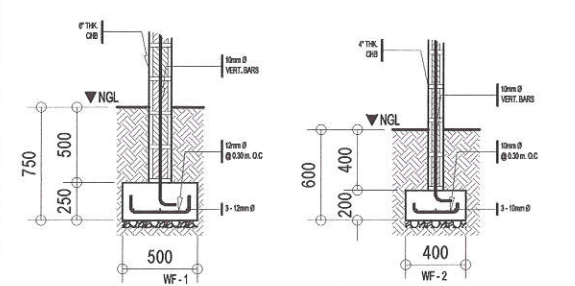
3 SCHEDULE OF COLUMNS

SCALE 1:20 MTS

MARK	C-1	C-2	C-3	2C-4	
COLUMN SIZE					
	VERTICAL BARS	10-16mmØ	8-16mmØ	6-16mmØ	4-16mmØ & 2-12mmØ
	COLUMN TIES	3-10mmØ @ 150mm	3-10mmØ @ 150mm	3-10mmØ @ 150mm	3-10mmØ @ 150mm
	JOINT HOOPS	3-10mmØ @ 100mm	3-10mmØ @ 100mm	3-10mmØ @ 100mm	3-10mmØ @ 100mm
CONF. HOOPS	3-10mmØ @ 100mm	3-10mmØ @ 100mm	3-10mmØ @ 100mm	3-10mmØ @ 100mm	

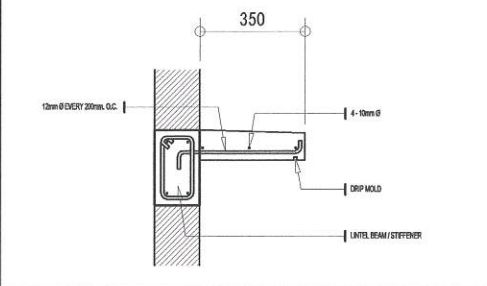
4 WALL FOOTING DETAIL

SCALE 1:20 MTS



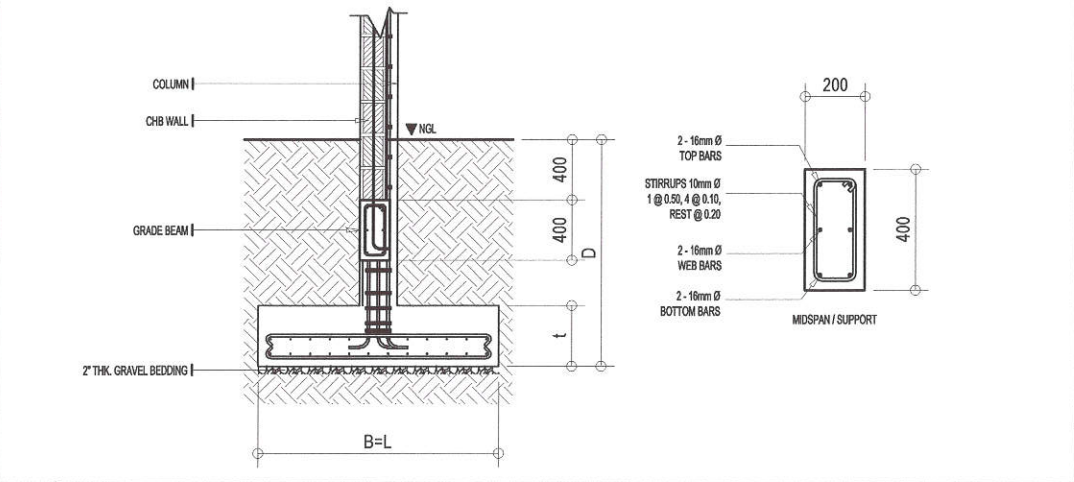
5 CONC. CANOPY DET.

SCALE 1:10 MTS



6 GRADE BEAM DETAIL

NOT TO SALE



1 GENERAL NOTES

2 SCHEDULE OF FOOTING

SCALE 1:20 MTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL

LOCATION:
BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY

DRAWN BY: DAA
DATE: OCT. 27, 2020
CHECKED BY:

REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

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

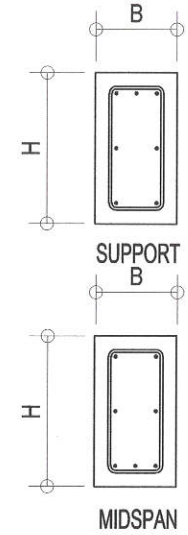
APPROVED BY:

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

SHEET CONTENT
GENERAL NOTES
SCHEDULE OF FOOTING
WALL FOOTING DETAIL
CONC. CANOPY DETAIL
GRADE BEAM DETAIL

SHEET NO.
ST 01

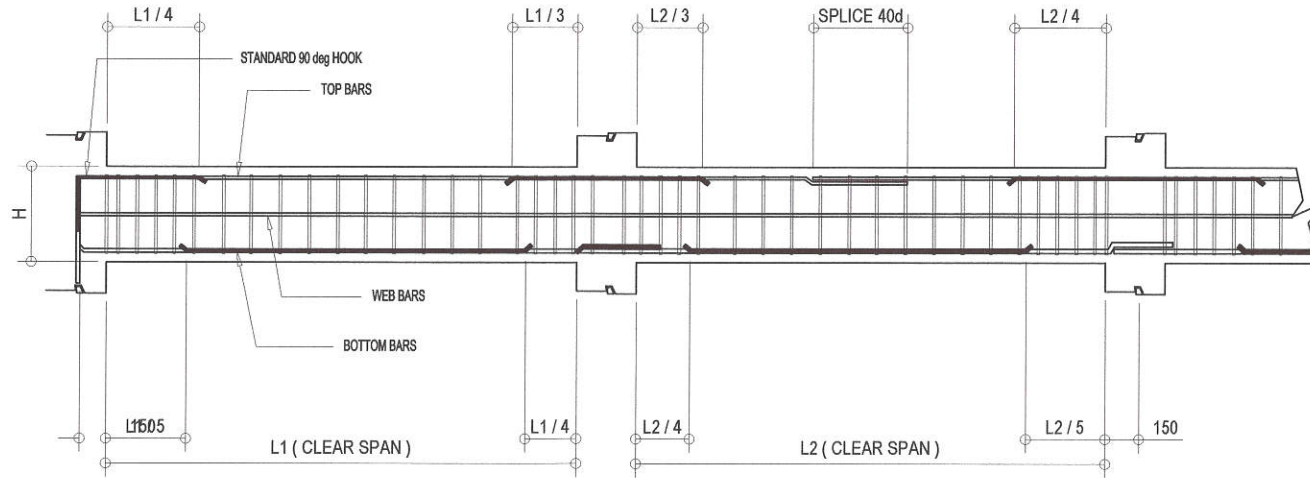
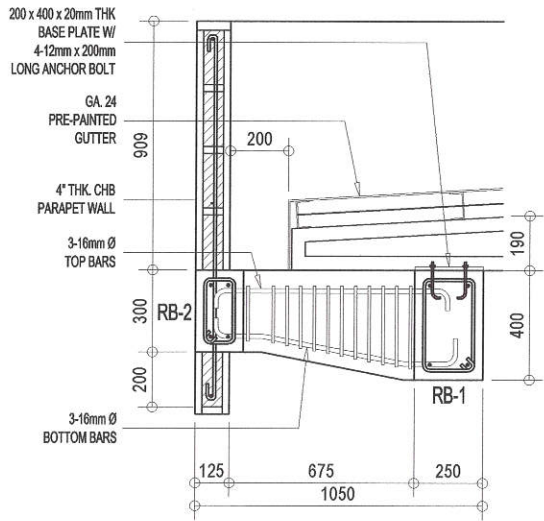
	BEAM MARK	DIMENSIONS (MM)		BAR Ø	TOP BARS			BOTTOM BARS			WEB BARS	STIRRUPS 10mm Ø
		B	H		LEFT SUPPORT	MID SPAN	RIGHT SUPPORT	LEFT SUPPORT	MID SPAN	RIGHT SUPPORT		
2ND FLOOR	2B1	300	600	16	8	3	8	3	8	3	2 - 10	1 @ 50, 4 @ 100, REST @ 200
	2B2	275	500	16	6	2	6	2	6	2	2 - 10	1 @ 50, 4 @ 100, REST @ 200
	2B3	250	400	16	5	2	5	2	5	2	2 - 10	1 @ 50, 4 @ 100, REST @ 200
ROOF BEAM	RB1	250	400	16	4	2	4	2	4	2	2 - 10	1 @ 50, 4 @ 100, REST @ 200
	RB2	200	300	16	3	2	3	2	3	2	2 - 10	1 @ 50, 4 @ 100, REST @ 200
SEPTIC TANK	B1	150	300	16	2	2	2	2	2	2	2 - 10	1 @ 50, 4 @ 100, REST @ 200



20-00142

1 SCHEDULE OF BEAMS

NOT TO SCALE



2 TYPICAL CORBEL DETAIL

SCALE 1:20 MTS

3 TYPICAL BEAM DETAIL

NOT TO SCALE



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

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LOCATION:
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DRAWN BY: DAA
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SUBMITTED BY:

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

RECOMMENDING APPROVAL:

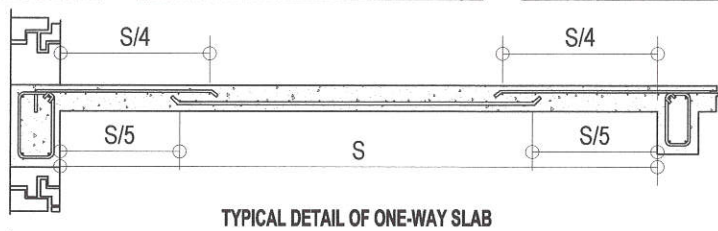
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:

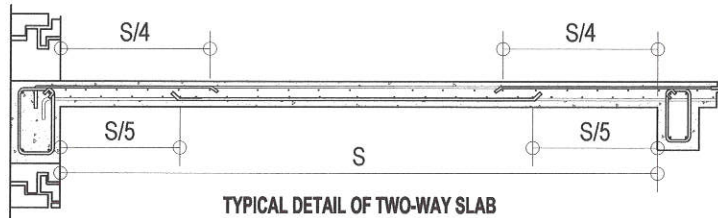
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT
SCHEDULE OF BEAM
TYPICAL CORBEL DETAIL
TYPICAL BEAM DETAIL

SHEET NO.
ST 02



TYPICAL DETAIL OF ONE-WAY SLAB



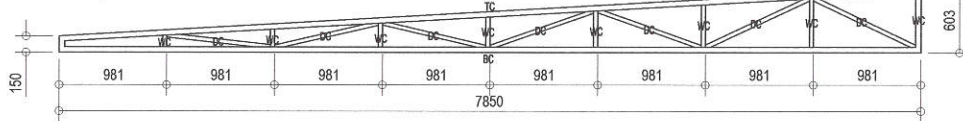
TYPICAL DETAIL OF TWO-WAY SLAB

MARK	t	REINFORCEMENT		SHORT SPAN				LONG SPAN				REMARK
		MAIN BARS	TEMP.	TOP BARS	BOT. BARS	TOP BARS	BOT. BARS	TOP BARS	BOT. BARS			
S-1	100	10	10	4	3	1	2	4	3	1	2	TWO-WAY SLAB
S-2	100	10	10	—	150	150	—	—	150	150	—	ONE-WAY SLAB

1 TYPICAL SLAB DETAIL

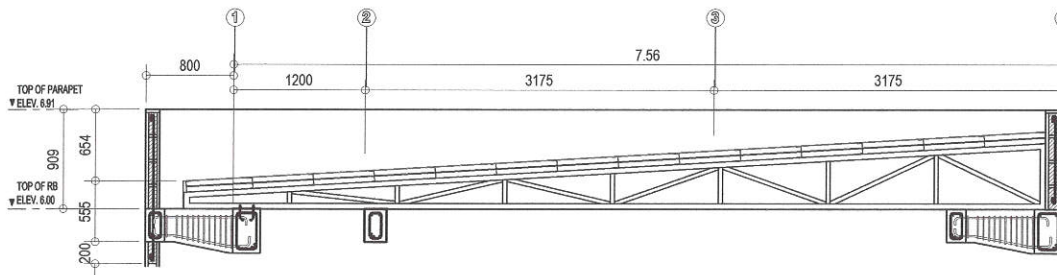
NOT TO SCALE

NOTE:
1. TC = BC = 2 · 2' x 2' x 1' ANGLE BAR
2. VC = DC = 2 · 2' x 2' x 1' ANGLE BAR



2 TRUSS DETAIL

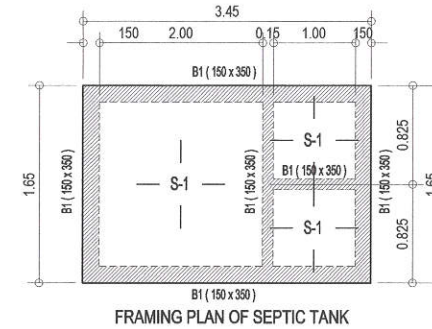
SCALE 1:50 MTS



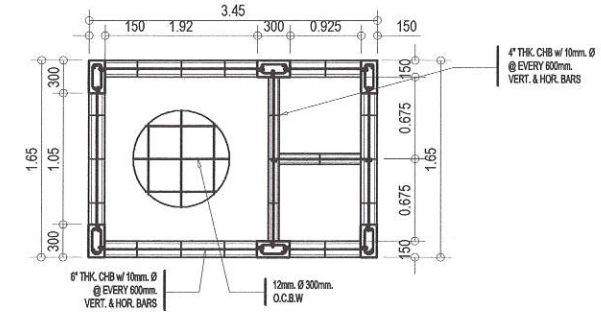
3 ROOF SECTION

SCALE 1:50 MTS

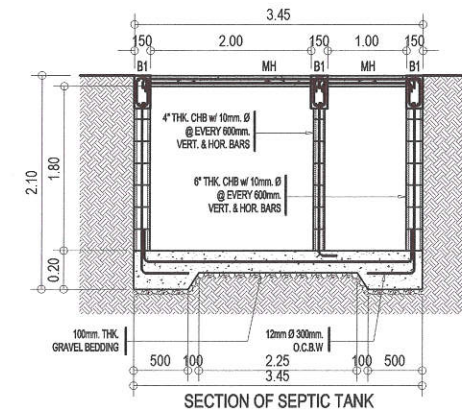
20-00142



FRAMING PLAN OF SEPTIC TANK




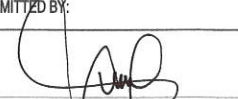


FOUNDATION PLAN OF SEPTIC TANK

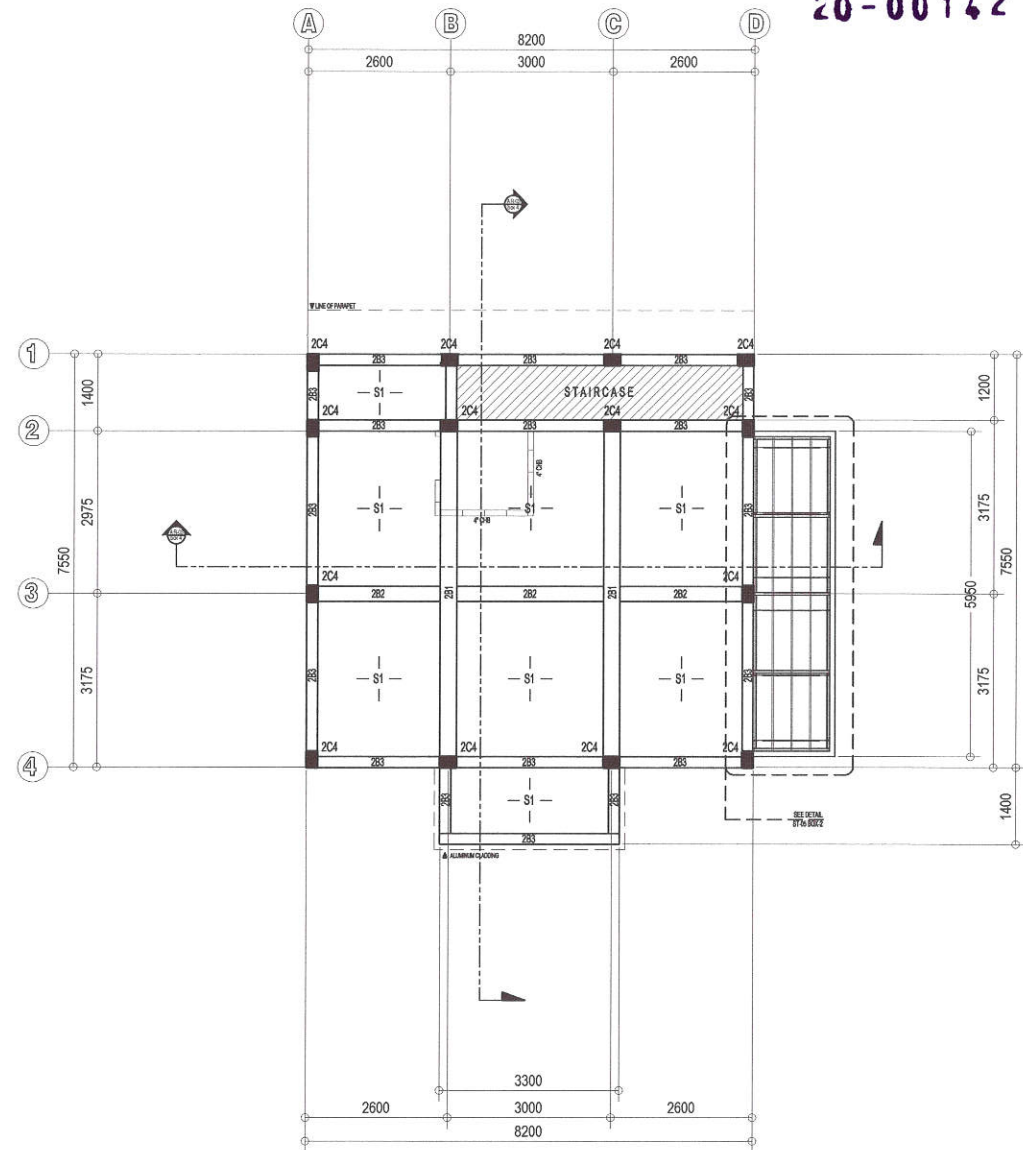
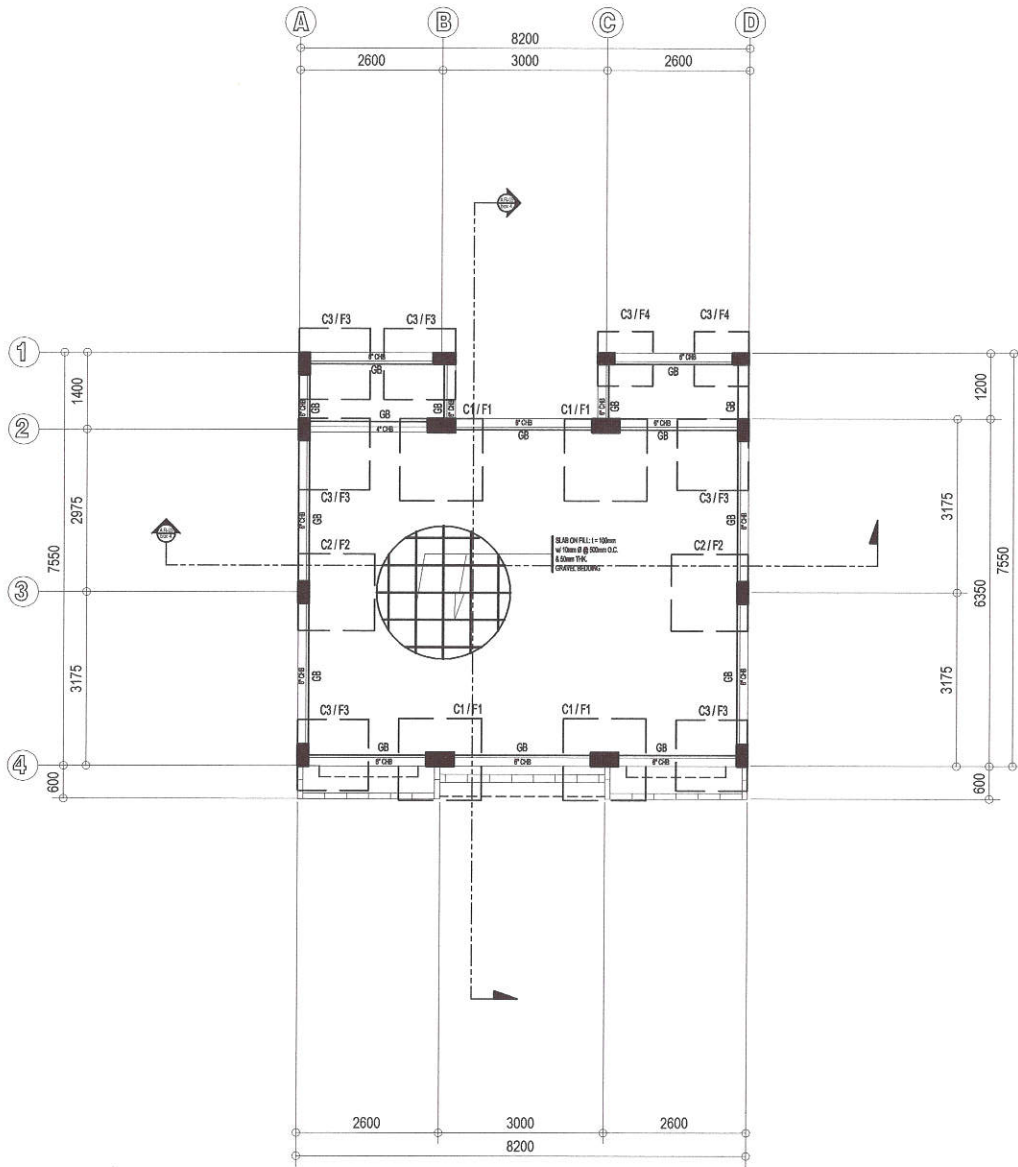


SECTION OF SEPTIC TANK

4 SEPTIC VAULT DETAIL

SCALE 1:50 MTS

 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE :	DRAWN BY: DAA	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.	
	PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL	DATE: OCT. 27, 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	TYPICAL SLAB DETAIL TRUSS DETAIL ROOF SECTION SEPTIC VAULT DETAIL		
	LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY	CHECKED BY:						REVISION NO.:



20-00142

1 FOUNDATION PLAN

SCALE 1:100 MTS

2 SECOND FLOOR FRAMING PLAN

SCALE 1:100 MTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL
LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY

DRAWN BY: DAA
DATE: OCT. 27, 2020
CHECKED BY: [Signature]
REVISION NO.:

SUBMITTED BY:
[Signature]
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
[Signature]
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
[Signature]
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

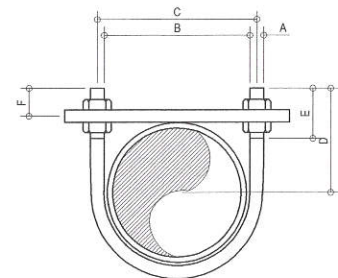
SHEET CONTENT
FOUNDATION PLAN
SECOND FLOOR FRAMING PLAN

SHEET NO.
ST 04

20-00142

- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER AND TELEPHONE COMPANIES. THE ELECTRICAL WORKS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEERS.
- THE SERVICE ENTRANCE SHALL BE 230 VOLTS, THREE Ø, 3-WIRES (WITH NEUTRAL), 60 HZ. IN RIGID STEEL CONDUIT (RSC).
- THE MAIN AND BRANCH CONDUIT OVER CURRENT PROTECTION SHALL BE OF AIR CIRCUIT BREAKER TYPE "GE", "WESTINGHOUSE", OR APPROVED EQUAL ENCLOSED IN A METAL CABINET.
- UNLESS SPECIFIED IN THE PLAN, MINIMUM SIZE OF WIRE AND CONDUIT SHALL BE 20mm² & 20mm Ø (1/2") RESPECTIVELY, ALL WIRES SHALL BE RATED 600 VOLTS WITH THHN / THW INSULATION.
- ALL SERVICE ENTRANCE EQUIPMENT, SWITCHES, PANEL BOARDS, LIGHTING FIXTURES AND NON-CURRENT CARRYING METAL PARTS SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE.
- CONVENIENCE OUTLET AND LIGHTING SWITCHES SHALL BE RATED AT 15A, 220V AS MANUFACTURED BY "NATIONAL" APPROVED EQUAL.
- ALL MOUNTING HEIGHTS OF WIRING DEVICES SHALL BE AS FOLLOWS:
 - LIGHTING SWITCHES - 1.40m ABOVE FLOOR FINISH
 - CONVENIENCE OUTLET - 0.30m ABOVE FLOOR FINISH OR AS REQUIRED
 - PANEL BOARD - 1.40m ABOVE FLOOR FINISH @ CENTER
 - EXIT LIGHT - 0.15m TOP OF DOOR JAMB
 - EMERGENCY LIGHT - 2.00m ABOVE FLOOR EMERGENCY
- ALL BRANCHES AND CIRCUIT SHALL NOT BE LOADED MORE THAN 80% OF RATED CAPACITY.
- PULL BOXES SHALL BE PROVIDED WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON PLANS.

	LIGHTING AND POWER PANEL		AIR CONDITIONING UNIT OUTLET
	SELECTOR SWITCH		1 x 36W LED FL TUBE
	SWITCH LOCATION		4" Ø RECEPTACLE w/ 1 x 7W LED BULB
	SINGLE POLE SWITCH		4" Ø CYLINDRICAL DOWNLIGHT w/ 10W LED BULB
	TWO GANG SWITCH		CT RATED KWHr/ METER
	THREE GANG SWITCH		MAIN CIRCUIT BREAKER
	THREE WAY SWITCH		ORBIT FAN
	DUPLEX CONVENIENCE OUTLET		ORBIT FAN
	CIRCUIT HOME RUN TO PANEL BOARD		SINGLE CONVENIENCE OUTLET w/ 1 x EMERGENCY LIGHT, TWIN HEAD
	SERVICE ENTRANCE		LIGHTING SWITCH CONNECTION
	POWER CIRCUIT RUN		
	LIGHTING CIRCUIT RUN		

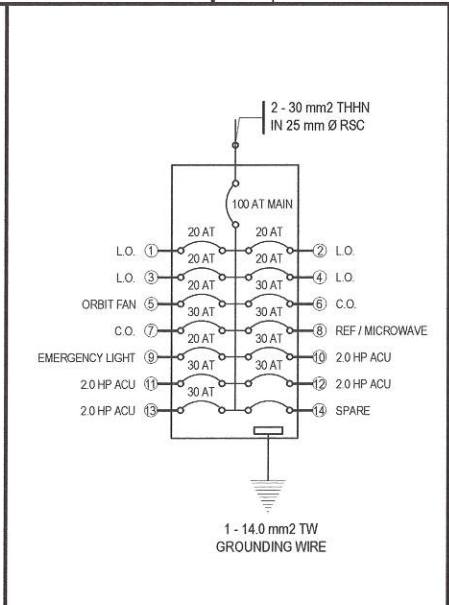
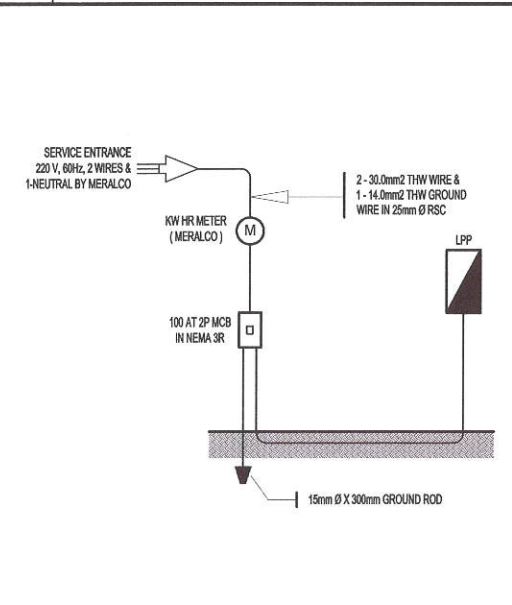


PIPE SIZE	A	B	C	D	E	F
12	6.25	23.44	29.69	68.75	53.13	57.81
19	6.25	28.13	34.38	68.75	53.13	50.87
25	6.25	34.38	40.63	68.75	53.13	52.34
32	9.38	42.19	51.56	71.88	53.13	50.87
38	9.38	50.00	59.38	75.00	63.00	51.56
50	9.38	60.94	70.31	61.25	63.00	51.56
63	12.00	73.44	89.06	93.75	75.00	57.81
75	12.00	99.06	101.56	100.00	75.00	56.25
87.50	12.00	101.56	114.06	106.25	75.00	56.25
100	12.00	114.56	140.63	112.50	75.00	56.25

1 GENERAL NOTES NOT TO SCALE

2 LEGEND AND SYMBOLS NOT TO SCALE

3 U - BOLT DETAIL NOT TO SCALE



LIGHTING & POWER PANEL: "LPPA"

LOCATION: ELECTRICAL CABINET, SECOND FLOOR
240 VOLTS, SINGLE PHASE, 2 - WIRE AND GROUND
FLUSHED MOUNTED, NEMA 12, WITH GROUNDING TERMINAL STRIP
CENTER MAIN : 100AT 2P, TMCB BOLT - ON

MAIN CIRCUIT BREAKER INTERRUPTING CAPACITY @ 240 VOLTS 25 KAIC
BRANCHES CIRCUIT BREAKER INTERRUPTING CAPACITY @ 240 VOLTS 10 KAIC

CKT NO.	VOLTS	OUTLET LO	CO	OTHER LOAD SERVICE	AMPERE LOAD		3 Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE AND CONDUITS
					1Ø	3Ø				
1	230	8		4 - ORBIT FAN	5.22			1,200	20 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE IN 20mm Ø (1/2") PVC
2	230	9		2 - ORBIT FAN	4.78			1,100	20 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE IN 20mm Ø (1/2") PVC
3	230	8						800	20 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE IN 20mm Ø (1/2") PVC
4	230	8						1,000	20 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE IN 20mm Ø (1/2") PVC
5	230			6 - ORBIT FAN	2.61			600	20 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE IN 20mm Ø (1/2") PVC
6	230	8			6.26			1,440	30 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE and 1(ONE) 2.0mm ² THW GROUND WIRE IN 20mm Ø (1/2") PVC
7	230	8			6.26			1,440	30 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE and 1(ONE) 2.0mm ² THW GROUND WIRE IN 20mm Ø (1/2") PVC
8	230	2		REF. and MICROWAVE	1.57			360	30 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE IN 20mm Ø (1/2") PVC
9	230	5		EMERGENCY LIGHT	3.91			900	20 AT 2P, BOLT ON	2(TWO) - 3.5mm ² THHN WIRE IN 20mm Ø (1/2") PVC
10	230			2.0 HP ACU	12.00			2,760	30 AT 2P, BOLT ON	2(TWO) - 5.5mm ² THHN WIRE and 1(ONE) 2.0mm ² THW GROUND WIRE IN 20mm Ø (1/2") PVC
11	230			2.0 HP ACU	12.00			2,760	30 AT 2P, BOLT ON	2(TWO) - 5.5mm ² THHN WIRE and 1(ONE) 2.0mm ² THW GROUND WIRE IN 20mm Ø (1/2") PVC
12	230			2.0 HP ACU	12.00			2,760	30 AT 2P, BOLT ON	2(TWO) - 5.5mm ² THHN WIRE and 1(ONE) 2.0mm ² THW GROUND WIRE IN 20mm Ø (1/2") PVC
13	230			2.0 HP ACU	12.00			2,760	30 AT 2P, BOLT ON	2(TWO) - 5.5mm ² THHN WIRE and 1(ONE) 2.0mm ² THW GROUND WIRE IN 20mm Ø (1/2") PVC
14	230			SPARE						
TOTAL					86.43			19,880		

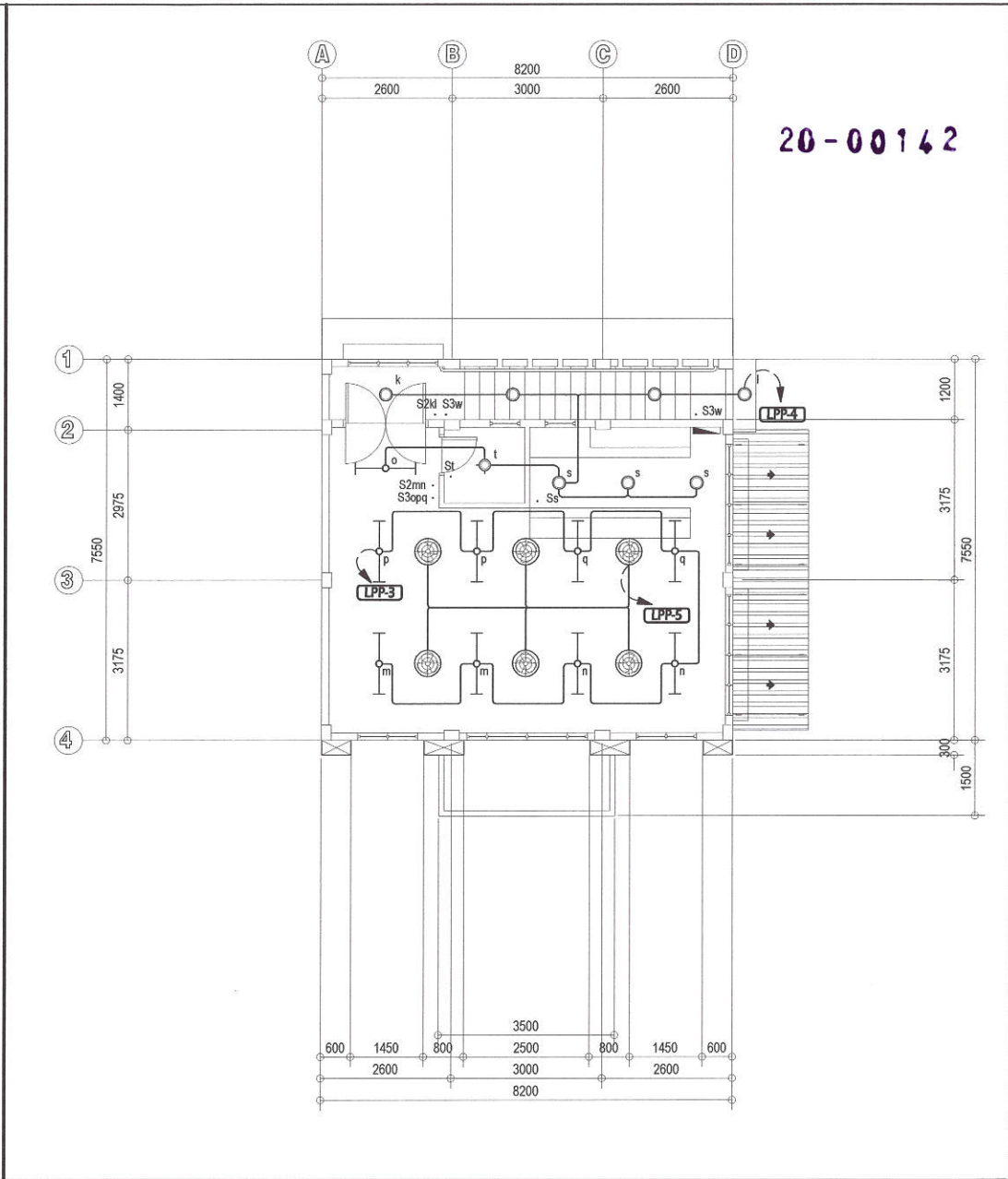
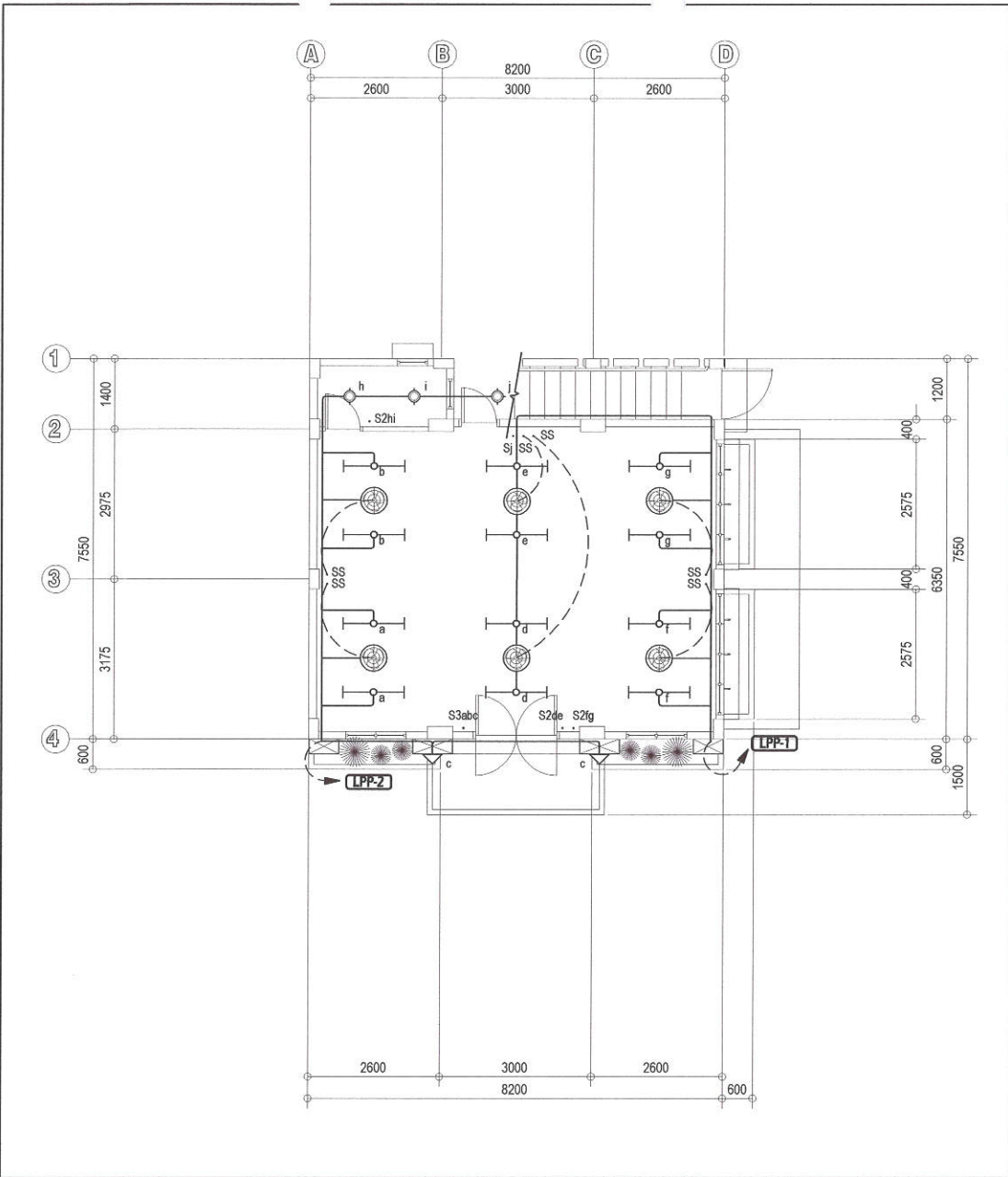
MINIMUM AMPACITY OF FEEDER CIRCUIT CONDUCTOR (MAFCC) [(19,880 VA / 230 V) + (0.25 x 12.00)] = 89.43 AMPERES
FEEDER LINE: USE TWO (2) - 30.0mm² THHN COPPER WIRE & ONE (1) - 14.0mm² TW GROUND WIRE IN 32mm Ø (1 1/4") IMC → X30

4 RISER DIAGRAM NOT TO SCALE

5 PANEL BOARD DETAIL NOT TO SCALE






6 SCHEDULE OF LOADS NOT TO SCALE

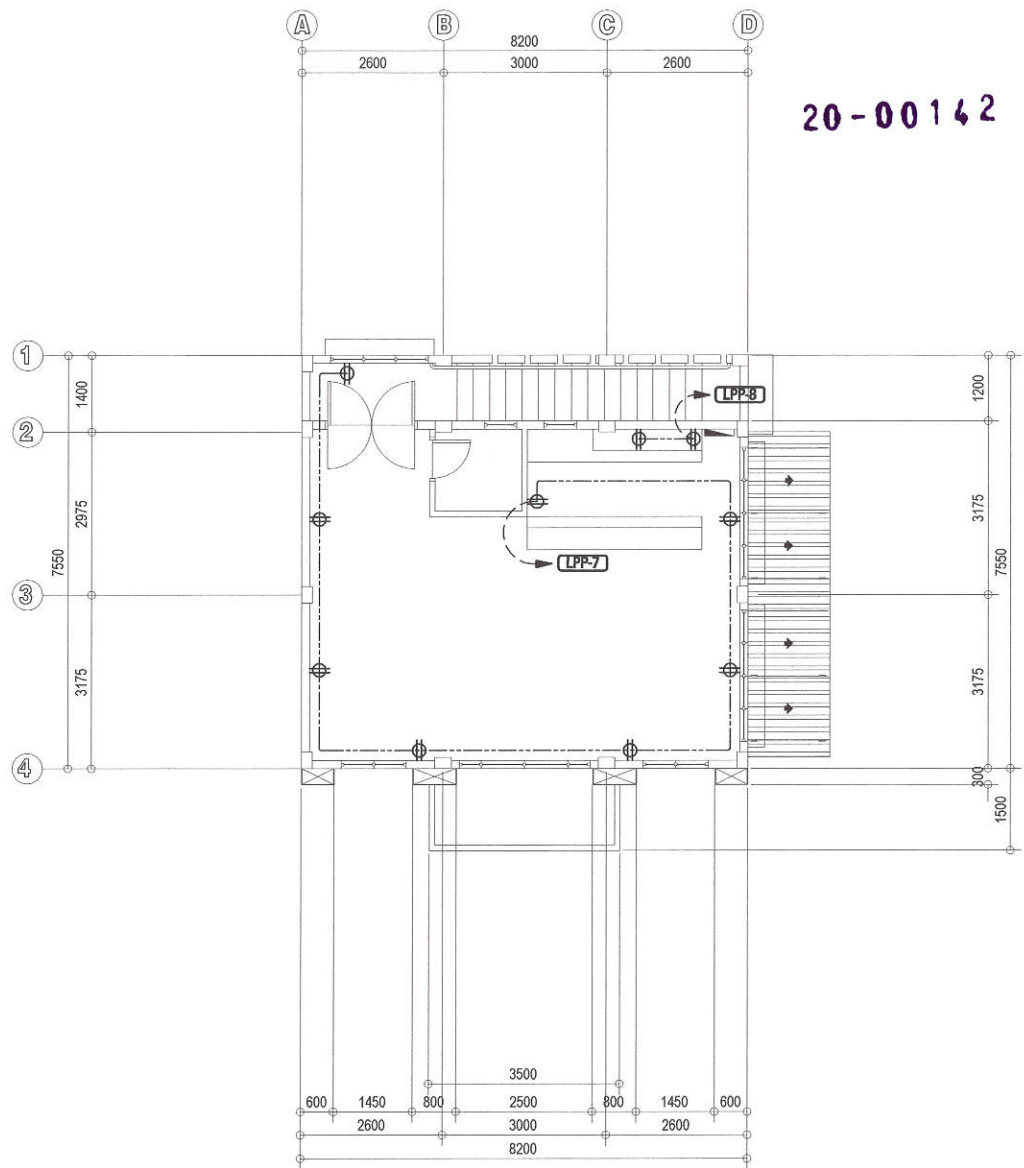
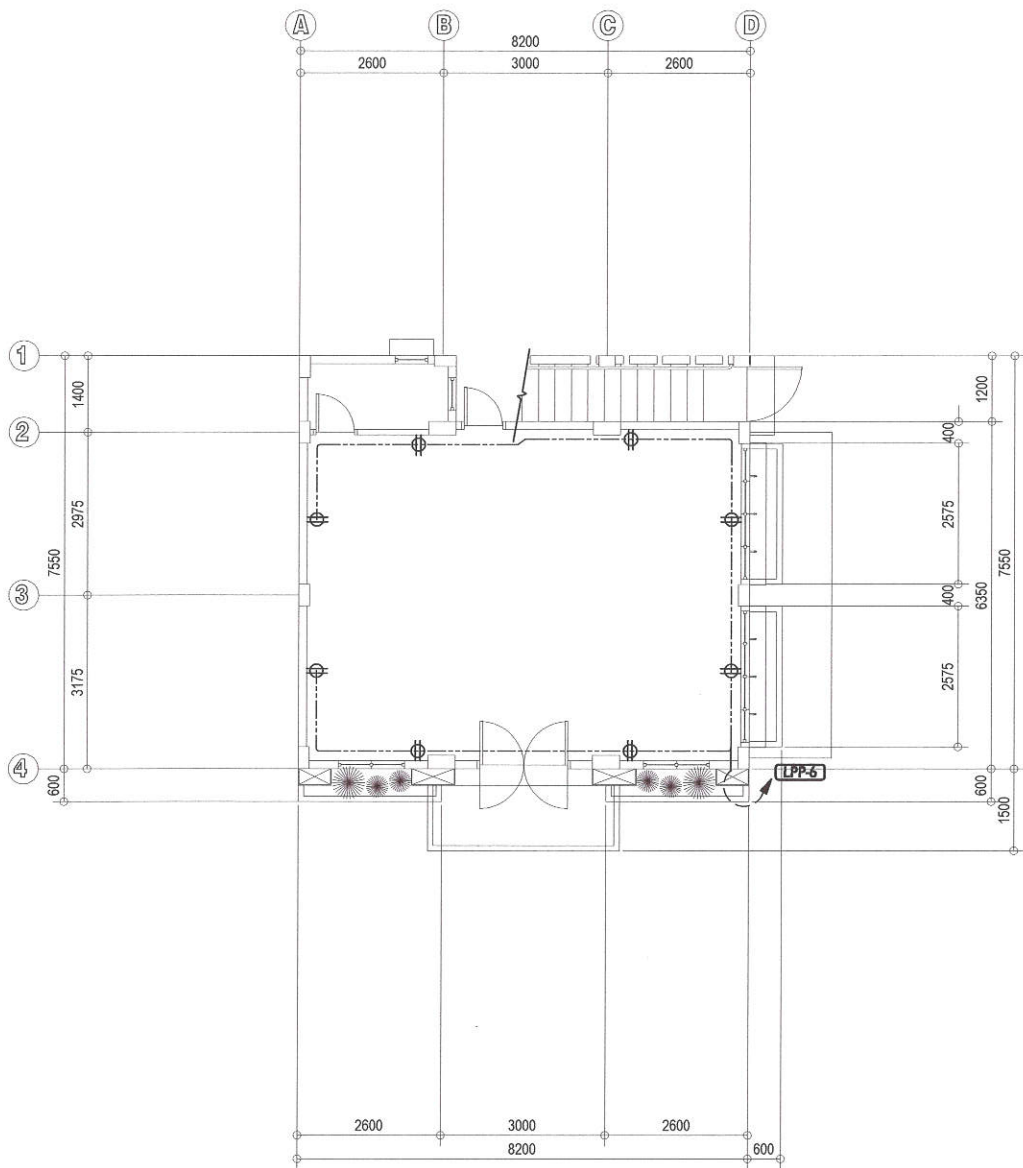
<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE :	DRAWN BY: DAA	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
	<p>PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL</p> <p>LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY</p>	DATE: OCT. 27, 2020	<p>ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY</p>	<p>GENERAL NOTES LEGENDS & SYMBOLS U-BOLT DETAIL RISER DIAGRAM PANEL BOARD DETAIL SCHEDULE OF LOADS</p>	<p>EL 01</p>
		CHECKED BY:					
		REVISION NO.:					



1 GROUND FLOOR LIGHTING LAYOUT SCALE 1:100 MTS

2 SECOND FLOOR LIGHTING LAYOUT SCALE 1:100 MTS

 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE:	DRAWN BY: DAA	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
	PROPOSED CONSTRUCTION OF TWO (2) STOREY PUMAREN MULTI-PURPOSE HALL AND REWIRING OF PUMAREN HALL AT JUAN SUMULONG HIGH SCHOOL	DATE: OCT. 27, 2020	 ENGR. LEO S. DEL ROSARIO <small>HEAD, PLANNING & PROGRAMMING DIVISION</small>	 ENGR. ISAGANI R. VERZOSA, JR. <small>OIC, CITY ENGINEERING DEPARTMENT</small>	HON. MA. JOSEFINA G. BELMONTE <small>CITY MAYOR, QUEZON CITY</small>	GROUND FLOOR LIGHTING LAYOUT SECOND FLOOR LIGHTING LAYOUT	
	LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY	CHECKED BY: 					



20-00142

1 GROUND FLOOR POWER LAYOUT

SCALE 1:100 MTS

2 SECOND FLOOR POWER LAYOUT

SCALE 1:100 MTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
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LOCATION:
BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY

DRAWN BY: DAA
DATE: OCT. 27, 2020
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REVISION NO.:

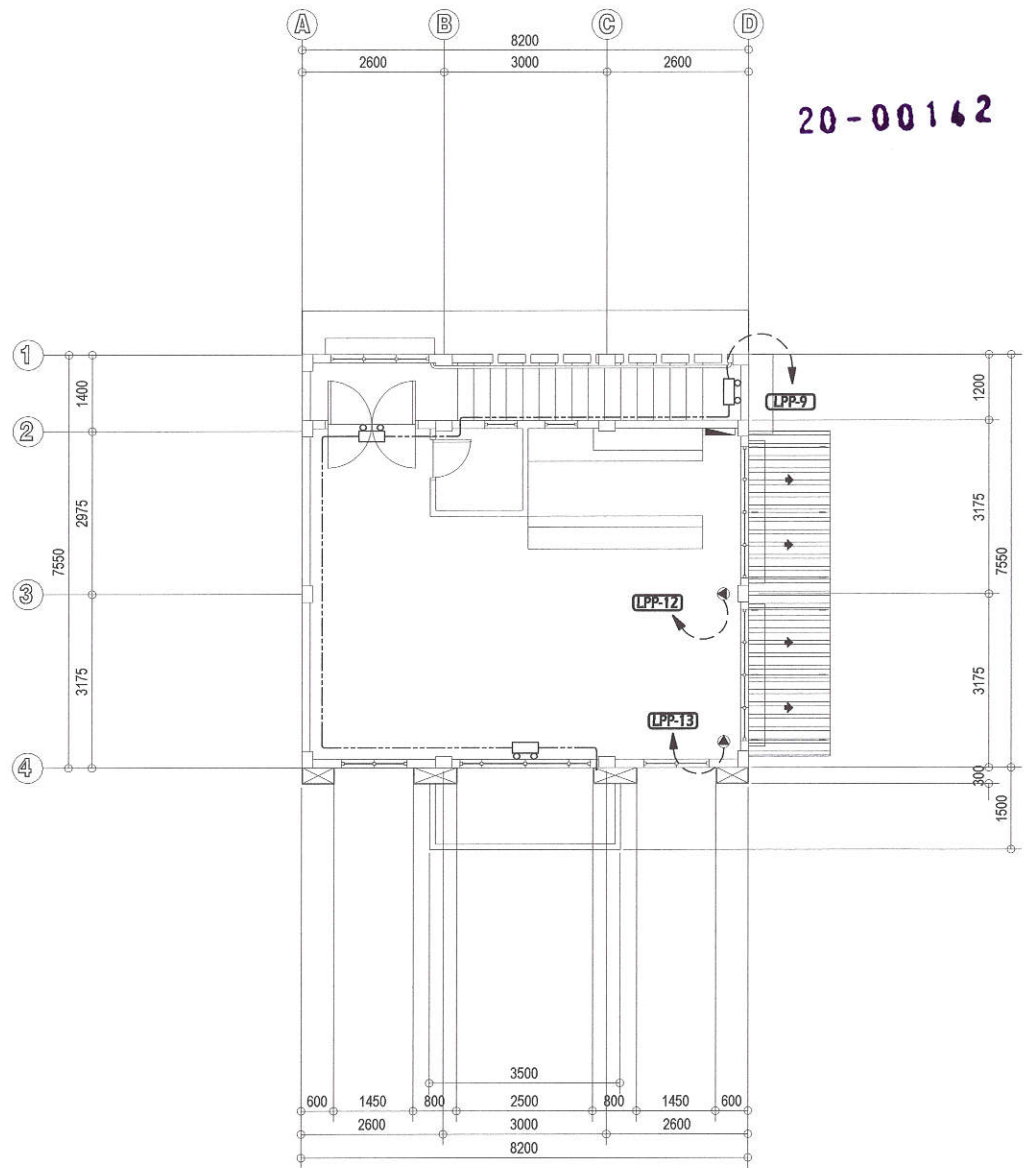
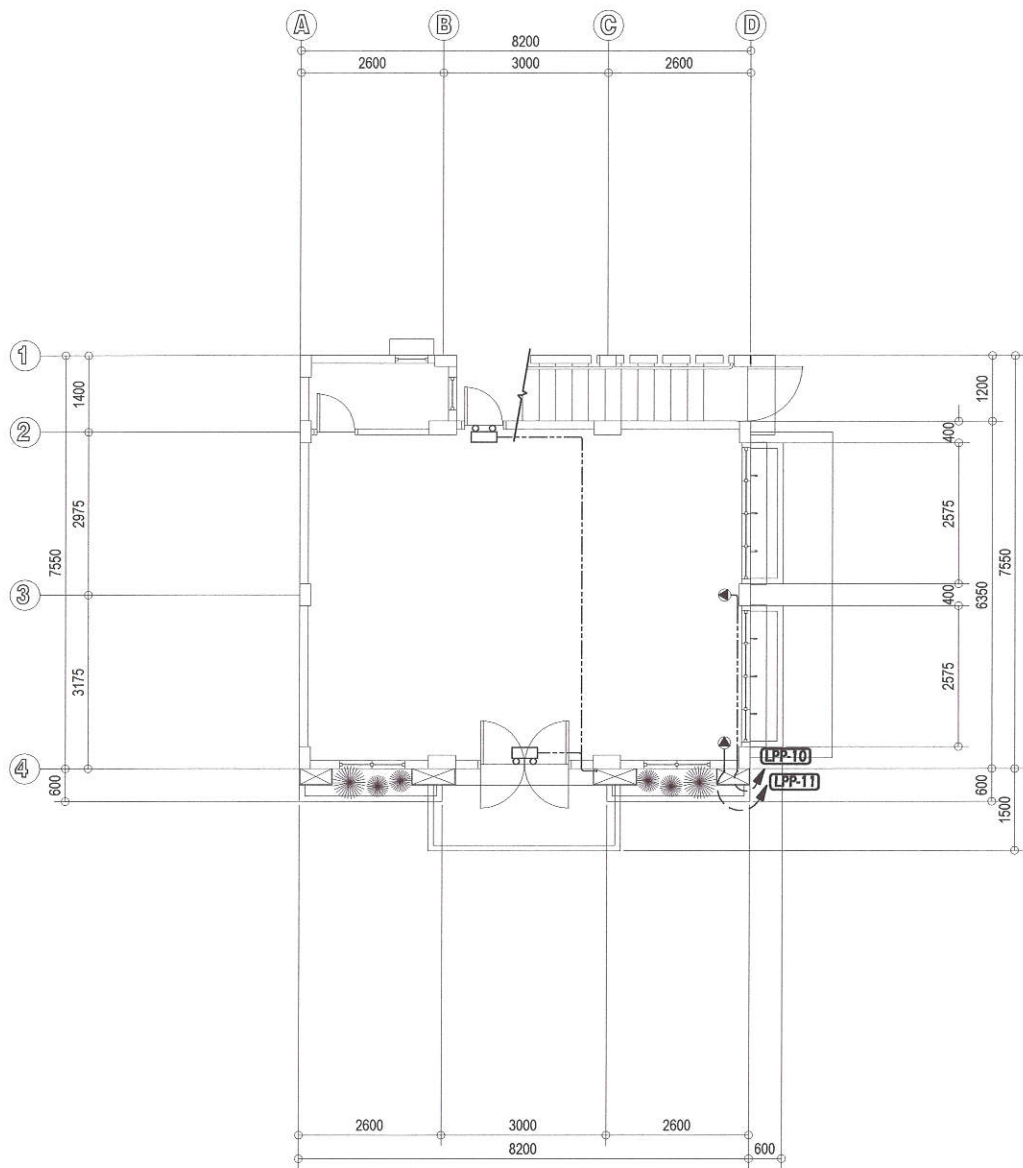
SUBMITTED BY:
[Signature]
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
[Signature]
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
[Signature]
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT
GROUND FLOOR POWER LAYOUT
SECOND FLOOR POWER LAYOUT

SHEET NO.
EL 03



20-00162

1 GROUND FLOOR EMERGENCY LIGHT AND ACU LAYOUT

SCALE 1:100 MTS

2 SECOND FLOOR EMERGENCY LIGHT AND ACU LAYOUT

SCALE 1:100 MTS



Republika ng Pilipinas
Lungsod ng Quezon
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LOCATION:

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REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

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

APPROVED BY:

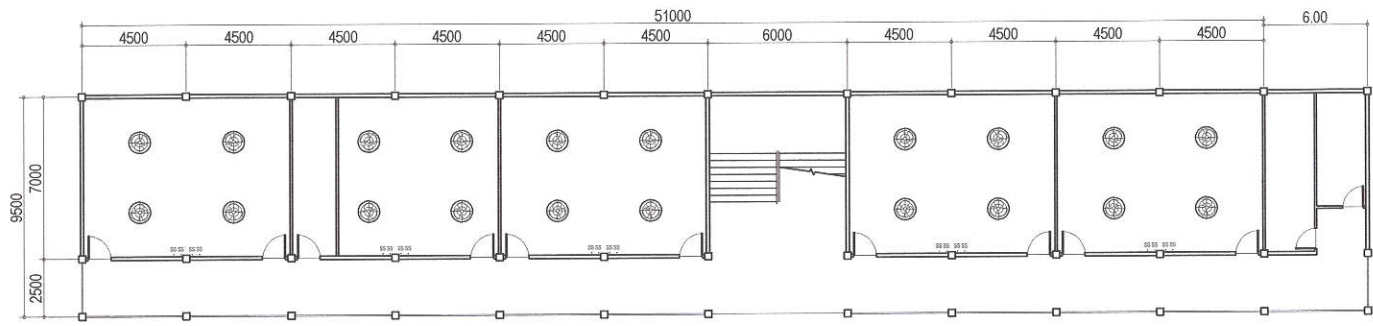
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT

GROUND FLOOR EMERGENCY LIGHT AND ACU LAYOUT
SECOND FLOOR EMERGENCY LIGHT AND ACU LAYOUT

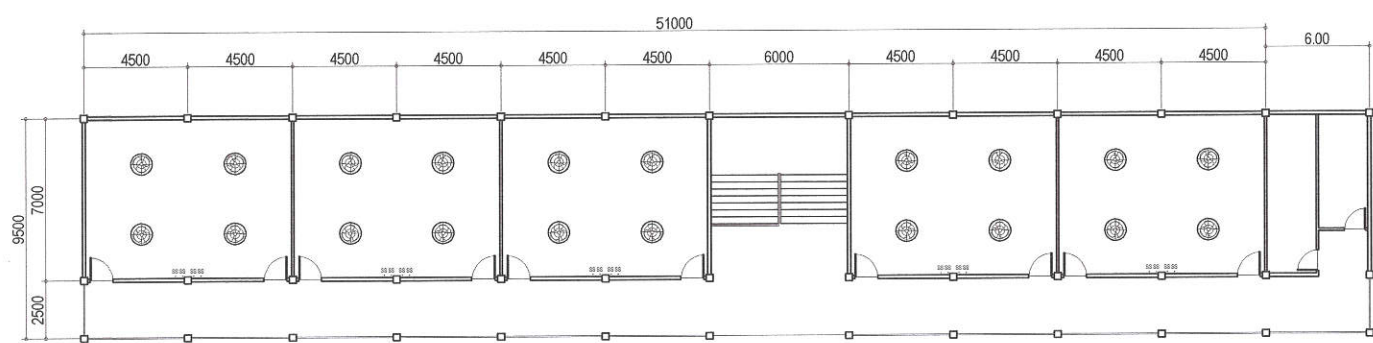
SHEET NO.

EL
04



1 GROUND FLOOR PUMAREN HALL - ORBIT FAN LAYOUT

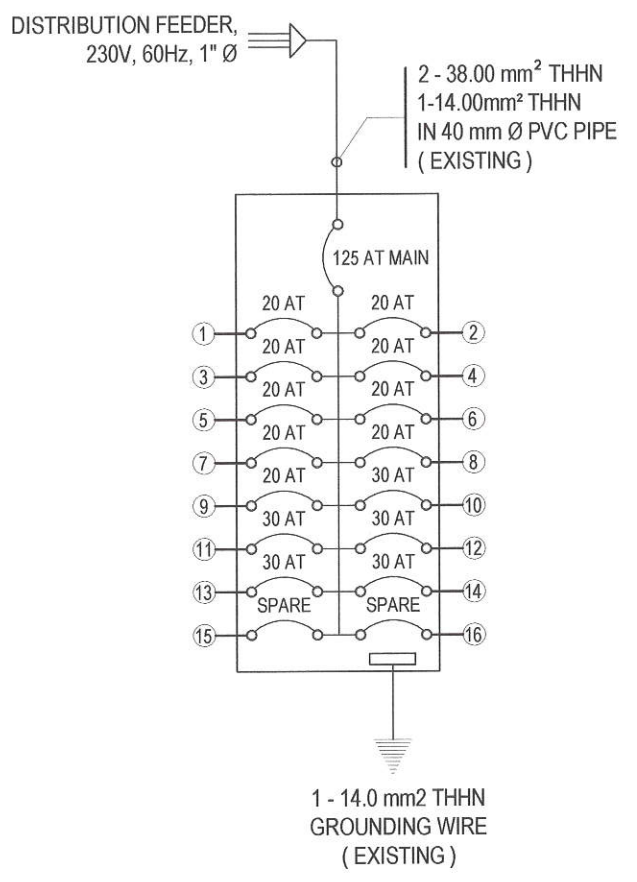
NOT TO SCALE



2 SECOND FLOOR PUMAREN HALL - ORBIT FAN LAYOUT


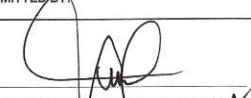


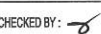
NOT TO SCALE

20-00142



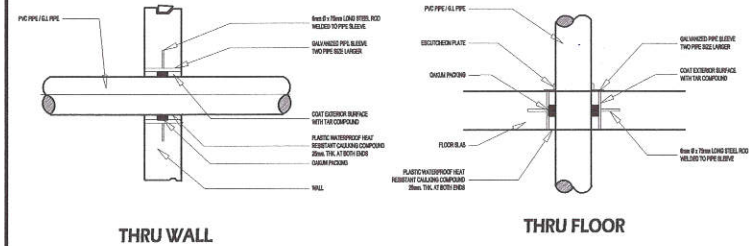
3 PANEL BOARD DETAIL (PUMAREN HALL)

NOT TO SCALE

 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE:	DRAWN BY: DAA	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
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	LOCATION: BARANGAY SAN ROQUE, DISTRICT 3 QUEZON CITY	CHECKED BY: 					

- ALL PLUMBING WORKS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST PROVISION OF THE PHILIPPINE PLUMBING CODE, THE UNIFORM PLUMBING CODE, THE NATIONAL BUILDING CODE, AND THE RULES AND REGULATIONS OF THE QUEZON CITY.
- ALL SLOPES FOR SANITARY AND STORM DRAINAGE LINES SHALL MAINTAIN A ONE PERCENT (0.01) AND ONE-HALF (0.005) MIN. RESPECTIVELY UNLESS OTHERWISE SPECIFIED.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES & STRUCTURES.
- ALL WATER SUPPLY PIPES & DRAIN SIZES OF FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- TESTING OF SANITARY AND WATERLINES SHALL CONFORM TO THE LATEST REQUIREMENTS OF PHILIPPINE PLUMBING CODE AND UNIFORM PLUMBING CODE.
- ALL PIPES SIZES AND DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
- WATERLINE SHALL BE PPR TYPE OR FUSION WELD TYPE.
- SOIL PIPE, WASTE & VENT SHALL BE PVC SANIMOLD EXTRA OR APPROVED EQUAL. STORM DRAINAGE LINE 200mm Ø AND BELOW SHALL BE POLYVINYL CHLORIDE, 250mm Ø AND ABOVE SHALL BE REINFORCED CONCRETE PIPE.
- GATE VALVE SHALL BE PPR TYPE.
- WATER METER SHALL BE ANY BRAND APPROVE BY MWSS.
- ROOF DRAIN SHALL BE ASA 10-12, PIPE SIZE 4" Ø BY ASA METAL OR APPROVED EQUAL.
- WATER CLOSETS SHALL BE VITREOUS CHINA, FREE STANDING TOILET COMBINATION, ROUND FRONT BOTTOM OUTLET SIPHON VORTEX OR WASH-DOWN BOWL WITH EXTENDED REAR SELF AND CLOSE COUPLED TANK WITH COVER COMPLETE WITH FITTING AND MOUNTING ACCESSORIES.
- LAVATORY SHALL BE VITREOUS CHINA, WALL HUNG WITH REAR OVERFLOW AND CAST IN SOAP DISHES, POCKET HANGER WITH INTEGRAL CHINA BRACKET, COMPLETE WITH TWIN FAUCETS, SUPPLY PIPES, P-TRAP AND MOUNTING ACCESSORIES.
- WHERE INDICATED ON PLANS, THE COUNTER TOP MODEL MAKE AND COLOR SHALL BE APPROVED BY THE DESIGNING ARCHITECT.
- URINAL SHALL BE VITREOUS CHINA, WALL HUNG WASH-OUT URINAL WITH EXTENDED SHIELDS AND INTEGRAL FLUSH SPREADER, CONCEALED WALL HANGER POCKETS, 19mm TOP SPUD COMPLETE FITTING AND MOUNTING ACCESSORIES. MODEL MAKE AND COLOR SHALL BE APPROVED BY THE DESIGNING ARCHITECT.
- GRAB BARS SHALL BE MADE OF TUBULAR STAINLESS STEEL PIPE PROVIDED WITH SAFETY GRIP AND MOUNTING FLANGE.
- FLOOR DRAINS SHALL BE MADE OF STAINLESS BEEHIVE TYPE, MEASURING 10cm x 10cm AND PROVIDED WITH DETACHABLE STAINLESS STRAINER, EXPANDED METAL LATH TYPE.
- SOAP HOLDER SHALL BE VITREOUS CHINA WALL MOUNTED. COLOR SHALL RECONCILE WITH ADJACENT TILE WORKS.
- TOILET PAPER HOLDERS SHALL BE VITREOUS CHINA WALL MOUNTED. COLOR SHALL RECONCILE WITH THE ADJACENT FIXTURE AND FACING TILES.
- FAUCETS SHALL BE MADE OF STAINLESS STEEL FOR INTERIOR USE.
- HOSE BIB SHALL BE MADE OF BRONZE CAST FINISH.

	UNION PATENT	DD	DECK DRAIN
	CHECK VALVE	UR	URINAL
	SSK	GV	GATE VALVE
	BS	mm	MILLIMETER
	BD	PVC	POLYVINYL CHLORIDE
	PT	WC	WATER CLOSET
	AD/CE	LAV	LAVATORY
	---	SP	SOIL PIPE
	---	MH	MANHOLE
	---	GCO	GROUND CLEAN OUT
	---	FCO	FLOOR CLEAN OUT
	---	FD	FLOOR DRAIN
	---	Ø	DIAMETER
	---	TP	TRANSFER PUMP
	HB	SS	SOIL STACK
	---	VS	VENT STACK
	---	VTR	VENT THRU ROOF
	LD	FS	FLOW SWITCH

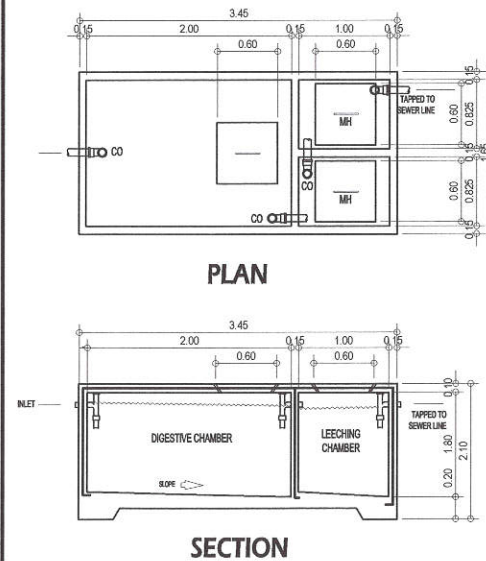
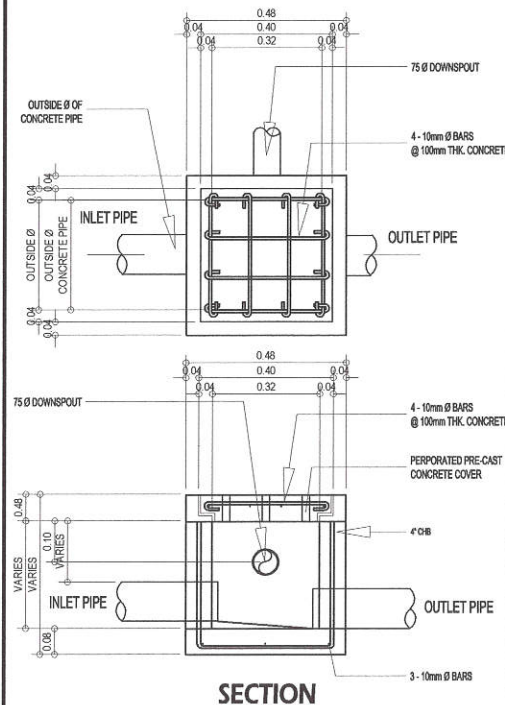


2 LEGEND AND SYMBOLS

NOT TO SALE

3 DETAIL OF PIPE SLEEVES

NOT TO SALE



1 GENERAL NOTES

NOT TO SCALE

4 CATCH BASIN / AREA DRAIN DETAIL

NOT TO SCALE

5 SEPTIC TANK DETAIL

NOT TO SCALE

5 DETAIL OF DECK DRAIN

NOT TO SCALE



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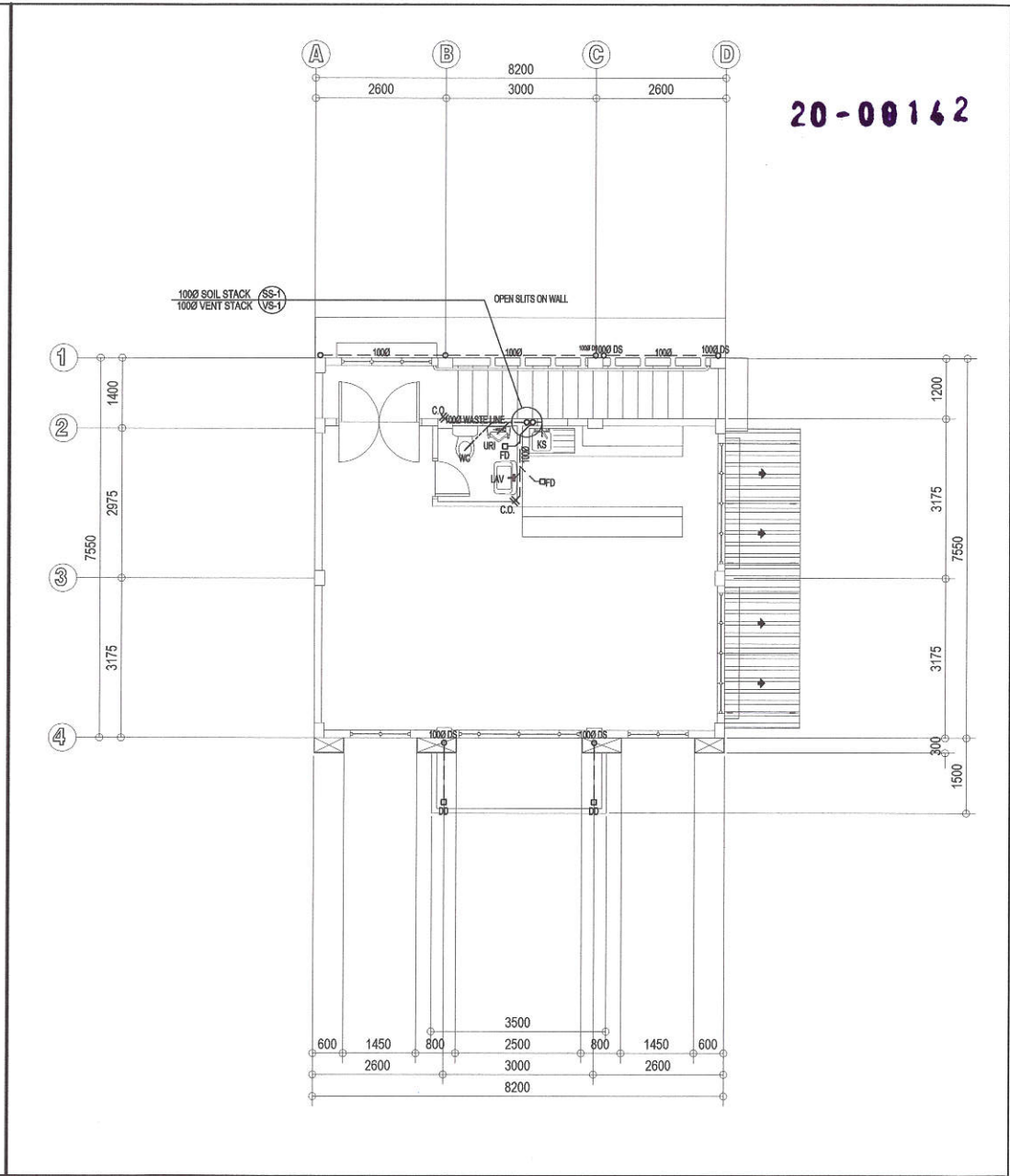
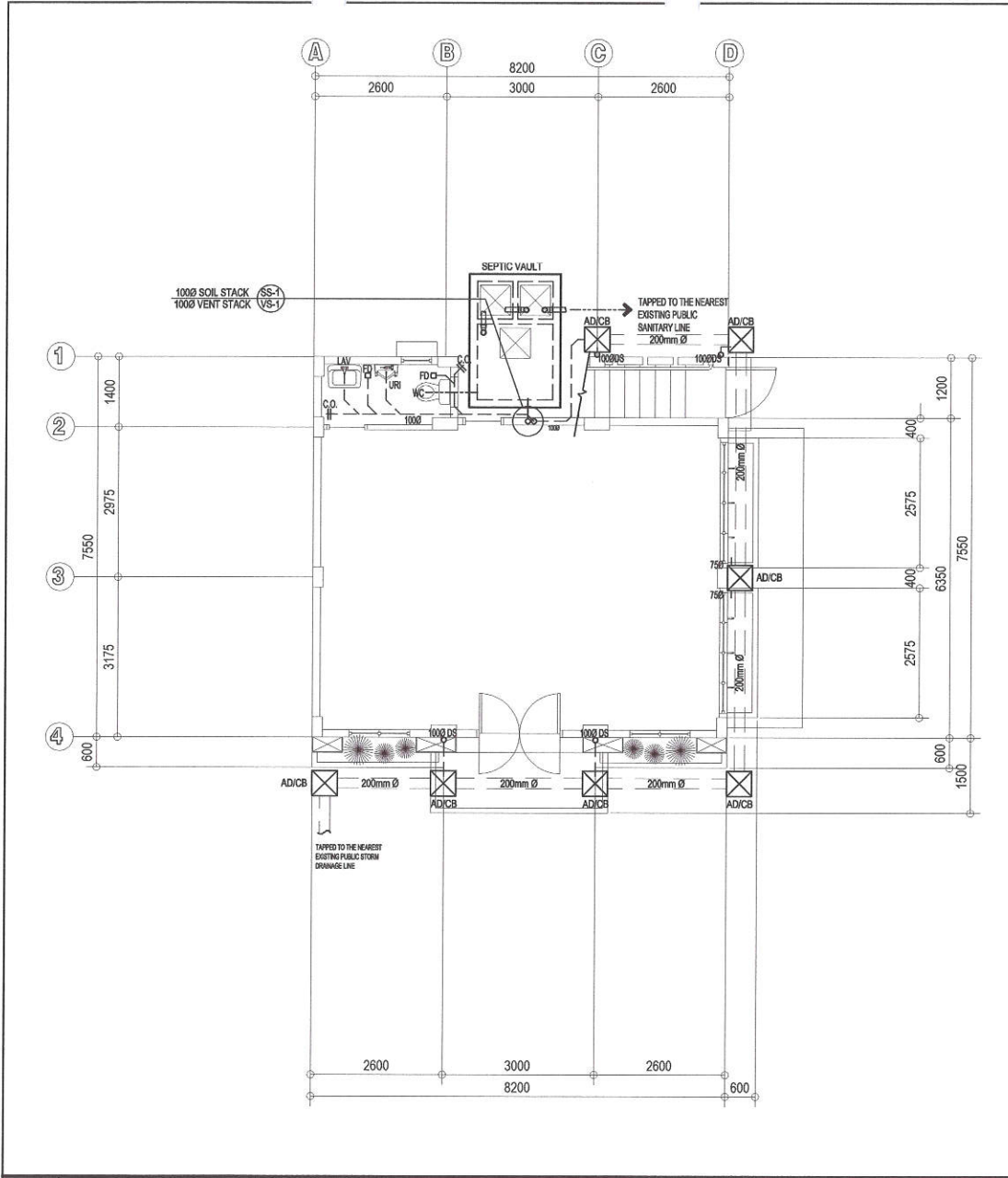
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OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
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CITY MAYOR, QUEZON CITY

SHEET CONTENT
GENERAL NOTES
LEGENDS & SYMBOLS
DETAIL OF PIPE SLEEVES
CATCH BASIN/AREA DRAIN
DETAIL
SEPTIC TANK DETAIL
DETAIL OF DECK DRAIN

SHEET NO.
PL 01



20-00142

1 GROUND FLOOR SANITARY LAYOUT AND STORM DRAINAGE LAYOUT SCALE 1:100 MTS

2 SECOND FLOOR SANITARY LAYOUT AND STORM DRAINAGE LAYOUT SCALE 1:100 MTS

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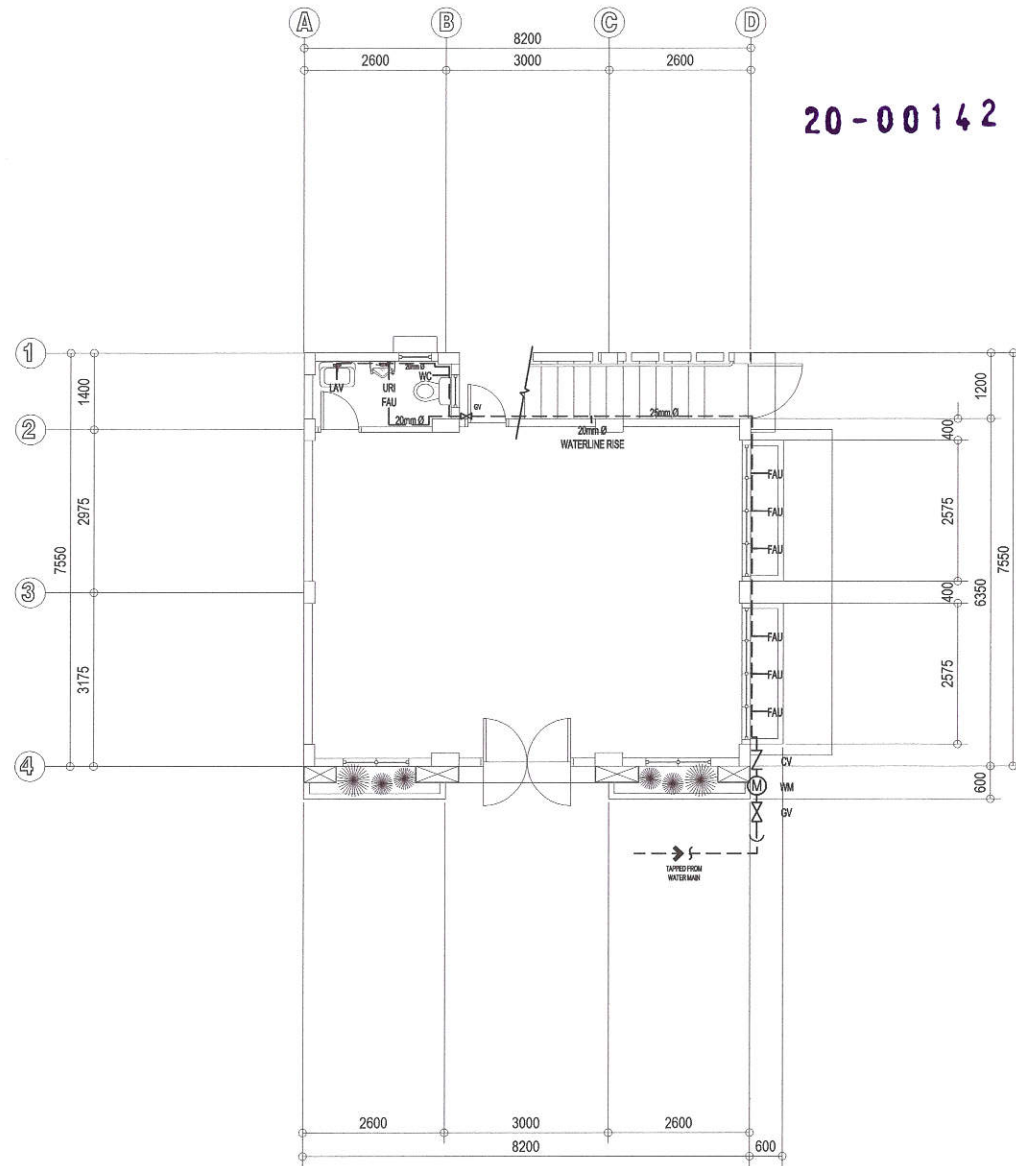
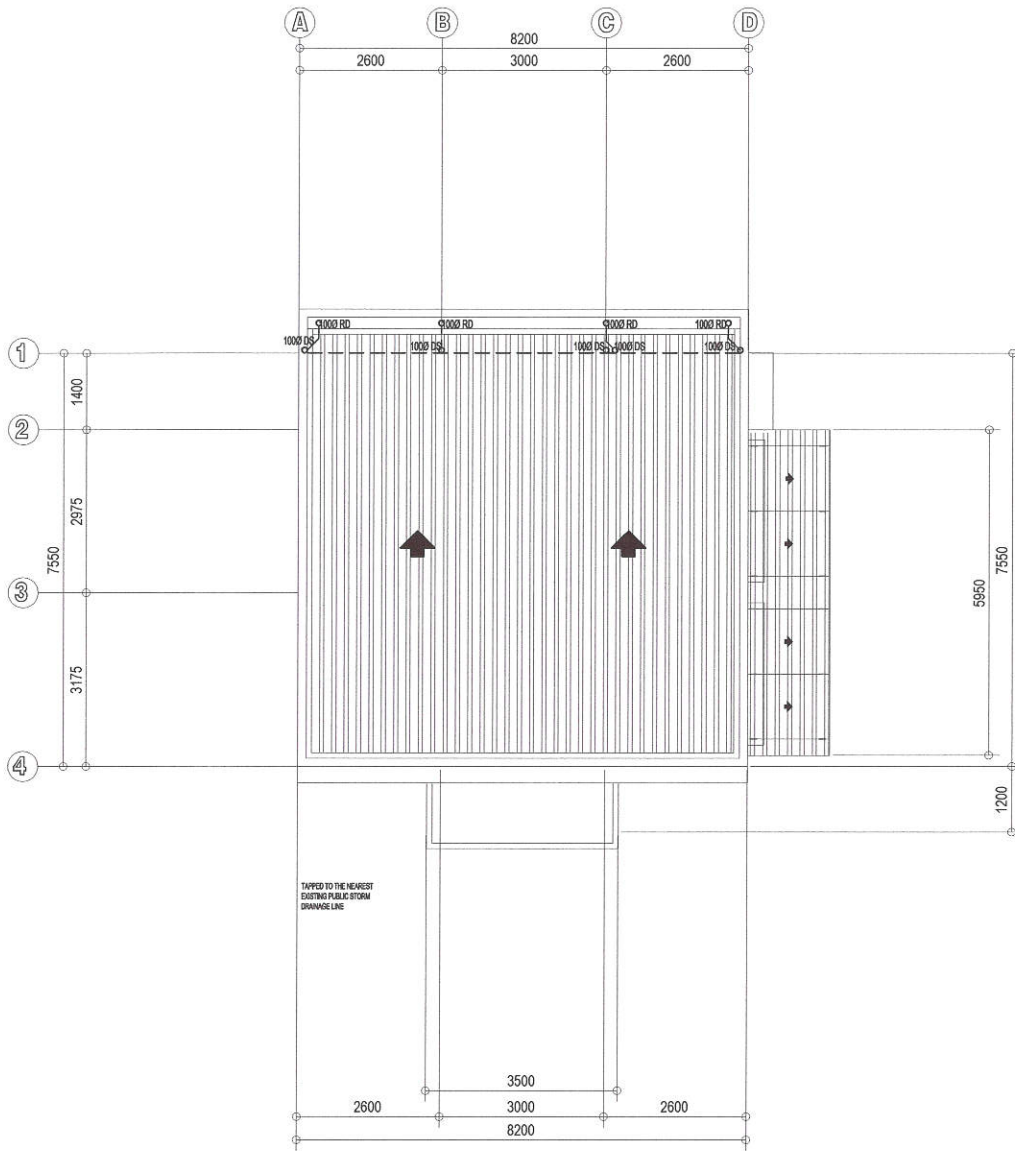
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CITY MAYOR, QUEZON CITY

SHEET CONTENT
GROUND FLOOR SANITARY AND STORM DRAINAGE LAYOUT
SECOND FLOOR SANITARY AND STORM DRAINAGE LAYOUT

SHEET NO.
PL 02



1 ROOF STORM DRAIN LAYOUT

SCALE 1:100 MTS

2 SECOND FLOOR WATERLINE LAYOUT

SCALE 1:100 MTS



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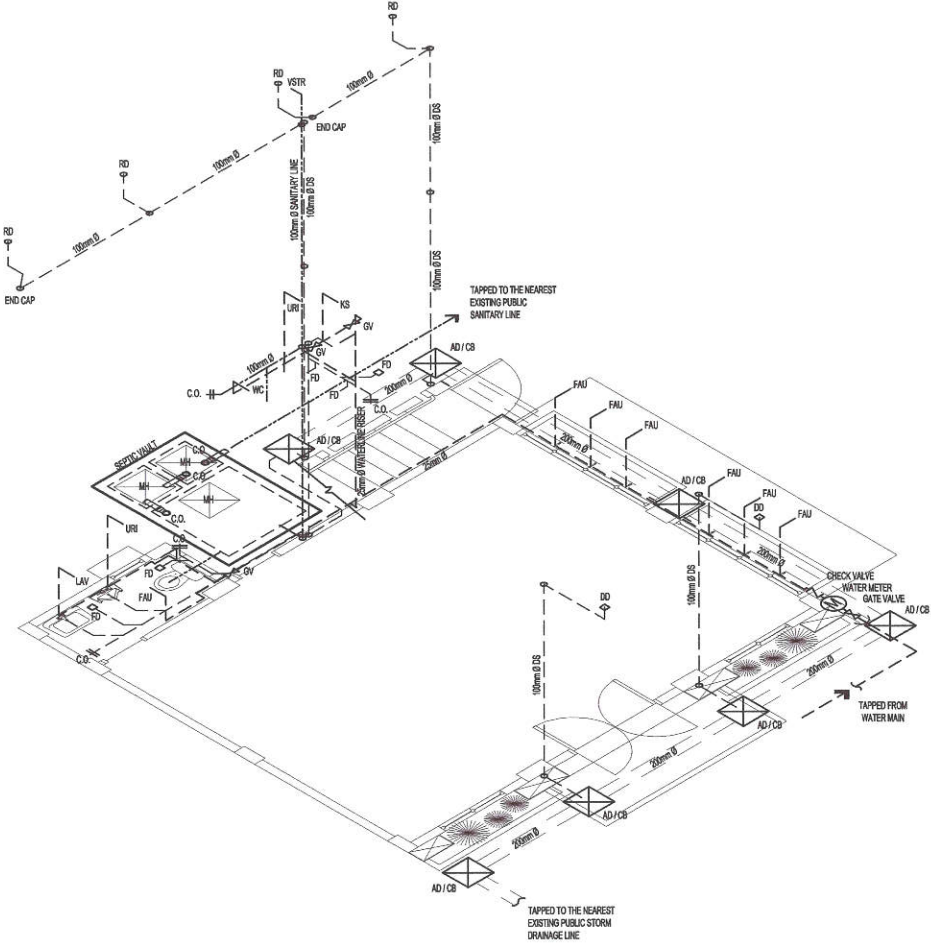
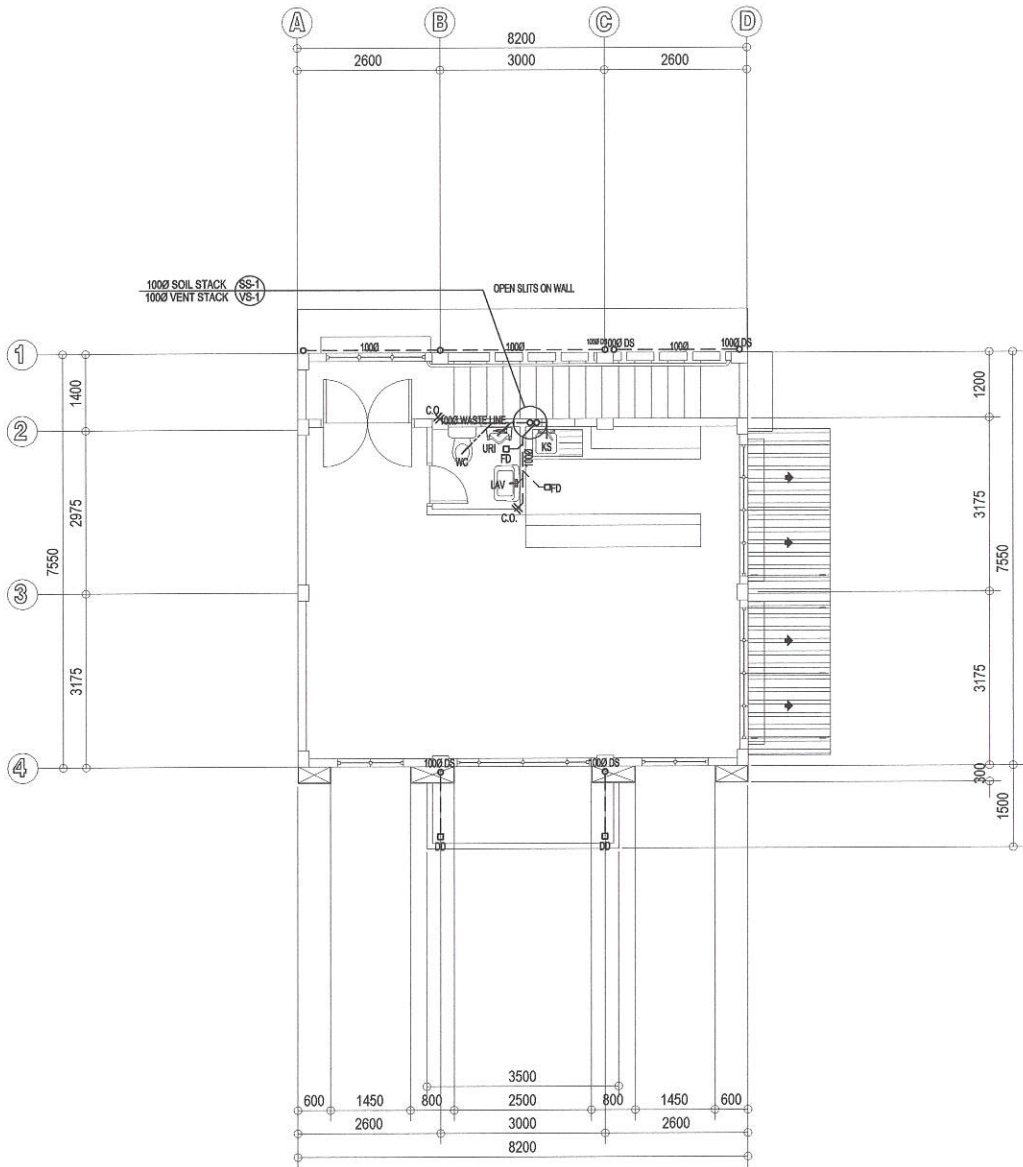
RECOMMENDING APPROVAL:
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ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
[Signature]
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CITY MAYOR, QUEZON CITY

SHEET CONTENT
GROUND FLOOR STORM DRAINAGE
SECOND FLOOR WATERLINE LAYOUT

SHEET NO.
PL 03

20-00142



1 SECOND FLOOR SANITARY LAYOUT

SCALE 1:100 MTS

2 ISOMETRIC LAYOUT

NOT TO SCALE

<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE :	DRAWN BY: DAA	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
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