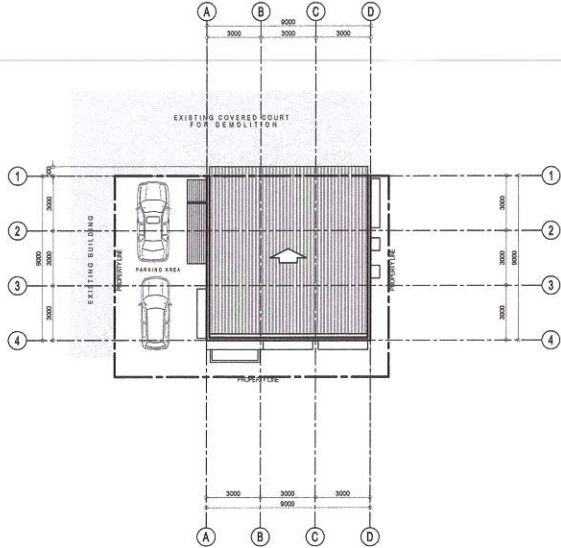


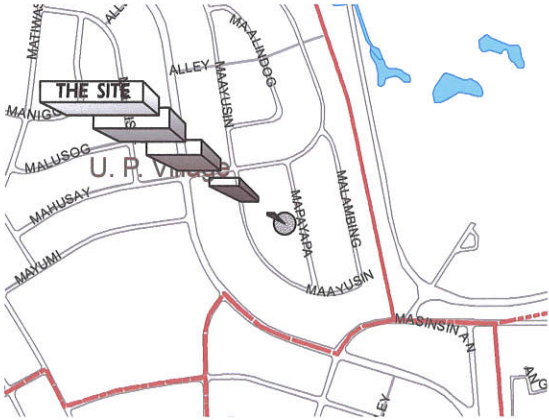
1 VICINITY MAP

NOT TO SCALE



3 SITE DEVELOPMENT PLAN

SCALE: 1:150 METERS



2 LOCATION MAP

NOT TO SCALE



4 PERSPECTIVE

NOT TO SCALE

TABLE OF CONTENTS

ARCHITECTURE

- AR-01 VICINITY MAP, LOCATION MAP, SITE DEVELOPMENT PLAN, PERSPECTIVE
- AR-02 GROUND FLOOR PLAN, SECOND FLOOR PLAN,
- AR-03 ROOF PLAN, GROUND FLOOR REFLECTED CEILING PLAN
- AR-04 SECOND FLOOR REFLECTED CEILING PLAN, FRONT ELEVATION, LEFT ELEVATION,
- AR-05 REAR ELEVATION, RIGHT SIDE ELEVATION
- AR-06 LONGITUDINAL SECTION, CROSS SECTION
- AR-07 SCHEDULE OF DOORS AND WINDOWS

STRUCTURAL

- ST-01 GENERAL NOTES
- ST-02 COLUMN FOOTING DETAIL, WALL FOOTING DETAIL, SCHEDULE OF BEAM,
- ST-03 COLUMN DETAIL, SCHEDULE OF SLAB, CANOPY AND MAIN CANOPY DETAIL, TRUSS DETAIL,
- ST-04 FOUNDATION PLAN, SECOND FLOOR FRAMING PLAN
- ST-05 ROOF FRAMING PLAN, STRUCTURAL STAIR DETAIL,

ELECTRICAL

- EL-01 GENERAL NOTES, LEGEND AND SYMBOLS, SCHEDULE OF LOADS, PANEL BOARD DETAIL,
- EL-02 RISER DIAGRAM, ELECTRICAL POST DETAIL,
- EL-03 GROUND FLOOR LIGHTING LAYOUT,
- EL-04 SECOND FLOOR LIGHTING LAYOUT,

PLUMBING

- PL-01 GENERAL NOTES, LEGEND AND SYMBOLS, CATCH BASIN DETAIL, SEPTIC VAULT DETAIL,
- PL-02 GROUND FLOOR WATERLINE LAYOUT,
- PL-03 SECOND FLOOR WATERLINE LAYOUT,
- PL-04 GROUND FLOOR SEWER LINE LAYOUT, SECOND FLOOR SEWER LINE LAYOUT,
- PL-05 STORM DRAINAGE LAYOUT,
- PL-06 ISOMETRIC LAYOUT,

REPUBLIC OF THE PHILIPPINES
Department of Public Works and Highways
Department of Transportation and
Communication

Office of the Building Official

20-00141

20-00141

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 TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL

LOCATION:
BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D. A. A.

DATE:

CHECKED BY:

REVISION:

SUBMITTED BY:

ENGR. LEO 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

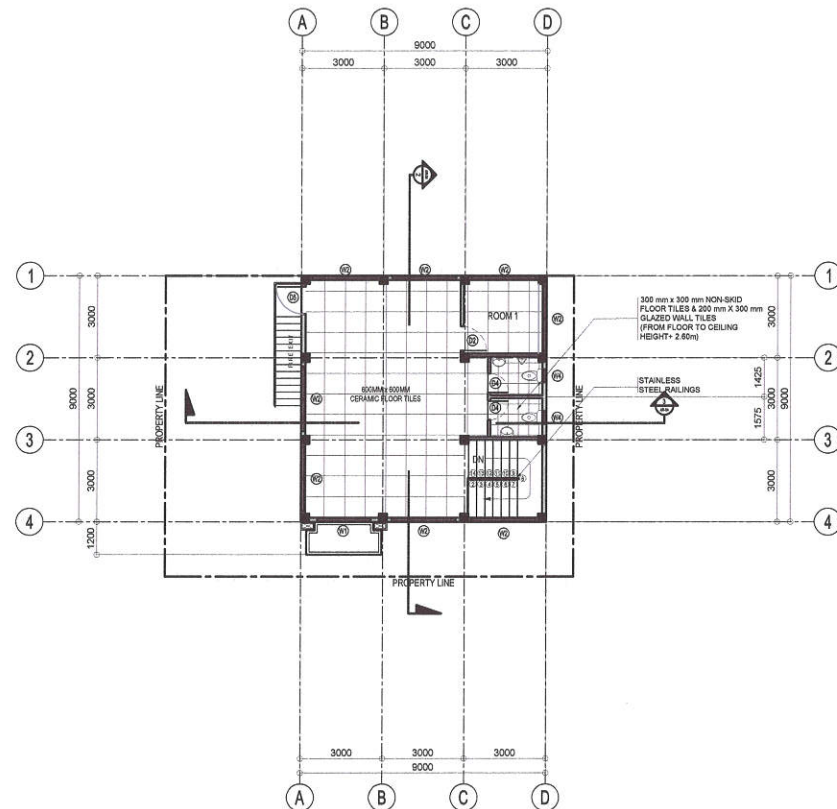
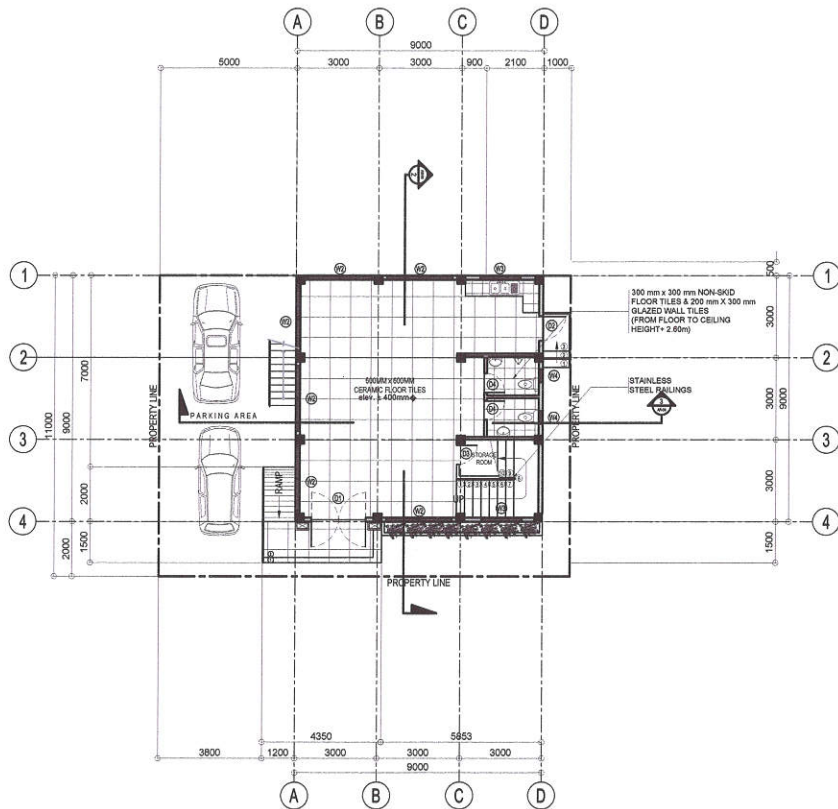
SHEET CONTENTS:

SHEET NO.

VICINITY MAP,
LOCATION MAP, SITE
DEVELOPMENT PLAN,
PERSPECTIVE

AR-01

20-00141



1 GROUND FLOOR PLAN

SCALE: 1:100 METERS

2 SECOND FLOOR PLAN

SCALE: 1:100 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**

LOCATION:
BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISION NO.:

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

RECOMMENDING APPROVAL:

ENGR. ISAGANI R. VERZOSA, JR.
DEPT. CHIEF, ENGINEERING DEPARTMENT

APPROVED BY:

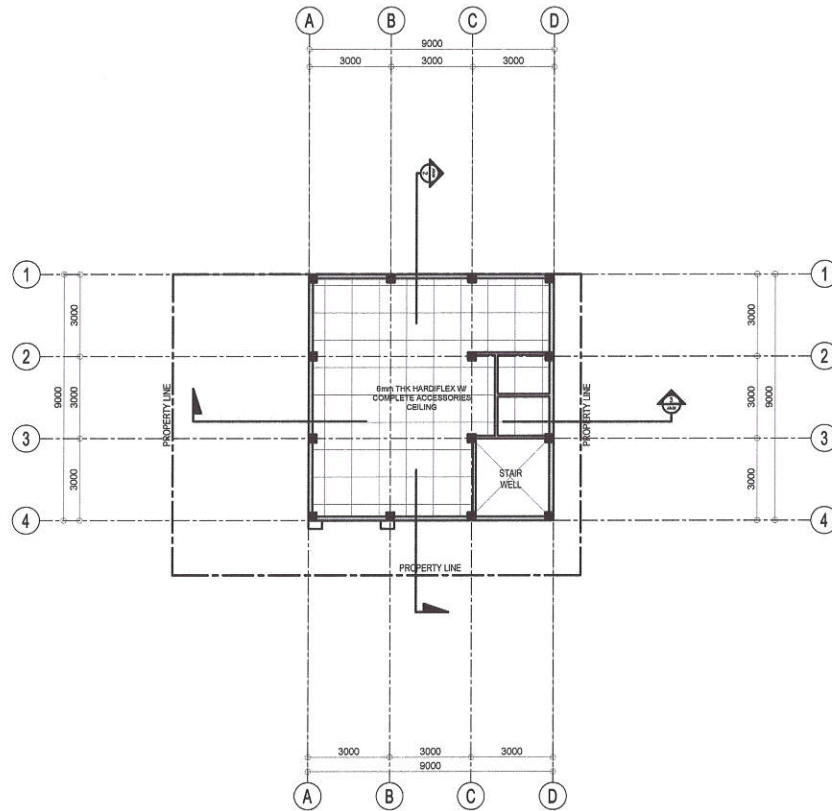
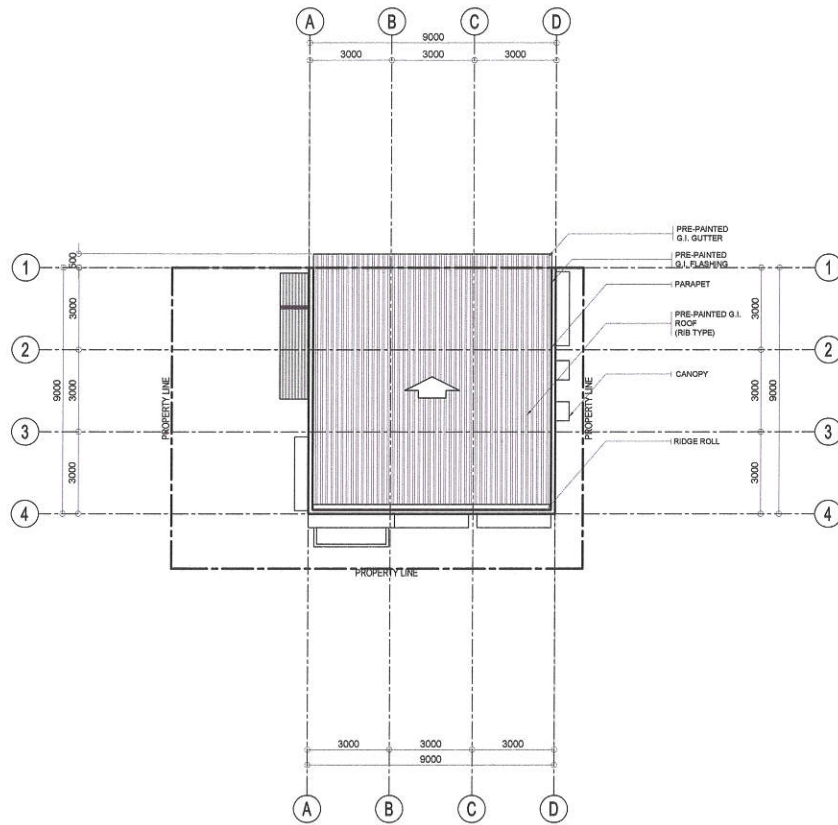
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENTS:
GROUND FLOOR PLAN,
SECOND FLOOR PLAN.

SHEET NO.

AR-02

20-00141



1 ROOF PLAN

SCALE: 1:100 METERS

2 GROUND FLOOR REFLECTED CEILING PLAN

SCALE: 1:100 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**

LOCATION:
BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISIONS:

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

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

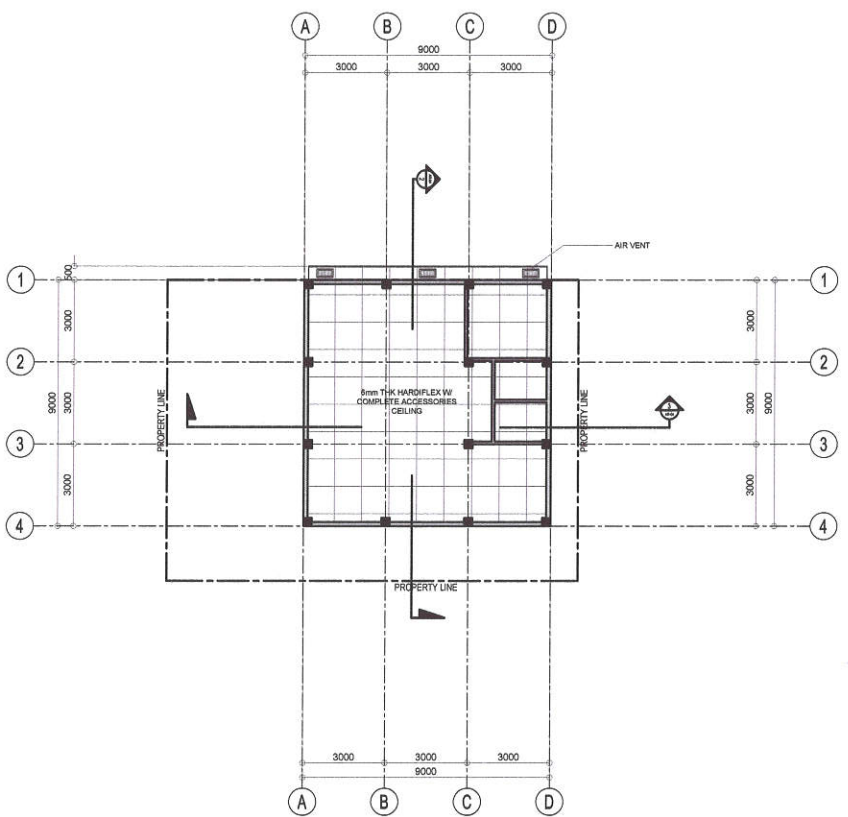
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENTS:
ROOF PLAN,
GROUND FLOOR
REFLECTED CEILING PLAN

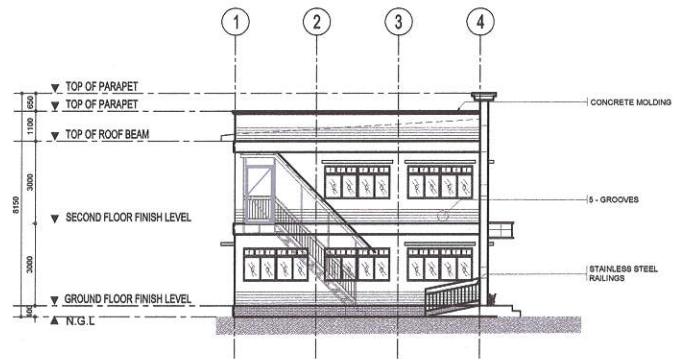
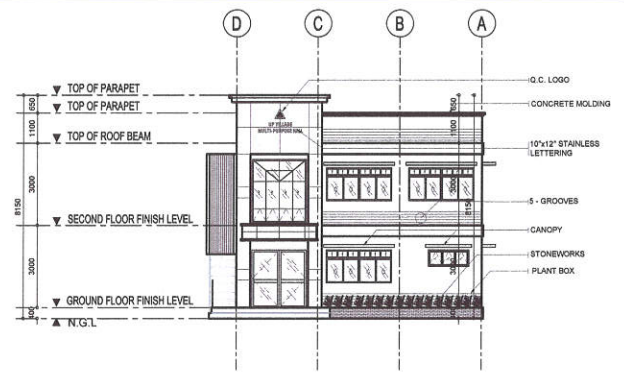
SHEET NO.

AR-03

20-00141



2 FRONT ELEVATION



3 LEFT SIDE ELEVATION

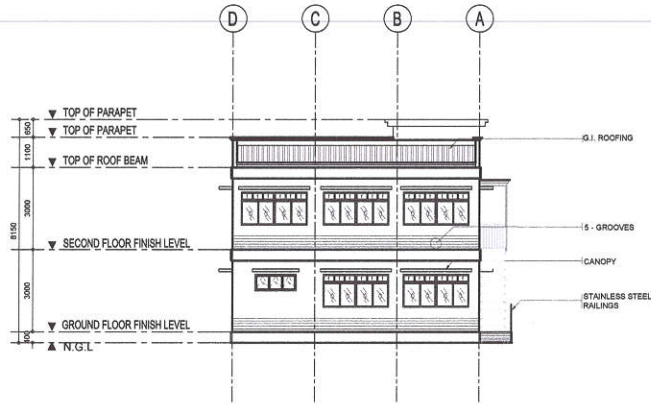
1 SECOND FLOOR REFLECTED CEILING PLAN

SCALE: 1:100 METERS

SCALE: 1:100 METERS

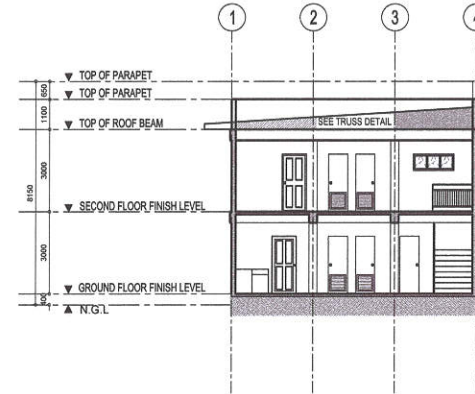
<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL</p>	<p>DRAWN BY: D.A.A.</p>	<p>SUBMITTED BY: <i>[Signature]</i></p>	<p>RECOMMENDING APPROVAL: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>SHEET CONTENTS: SECOND FLOOR REFLECTED CEILING PLAN, FRONT ELEVATION, LEFT SIDE ELEVATION</p>	<p>SHEET NO. AR-04</p>
	<p>LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY</p>	<p>CHECKED BY: <i>[Signature]</i></p>	<p>ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY</p>		

20-00141



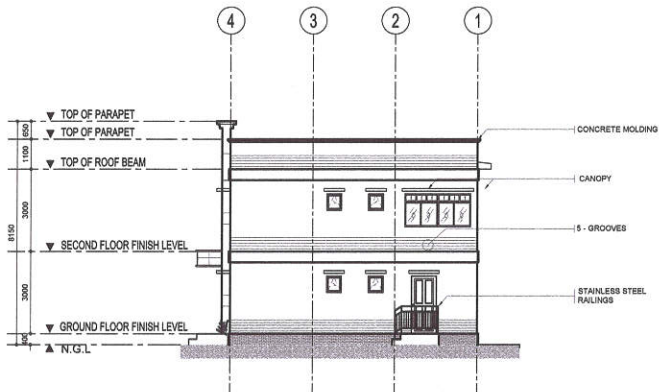
1 REAR ELEVATION

SCALE: 1:100 METERS



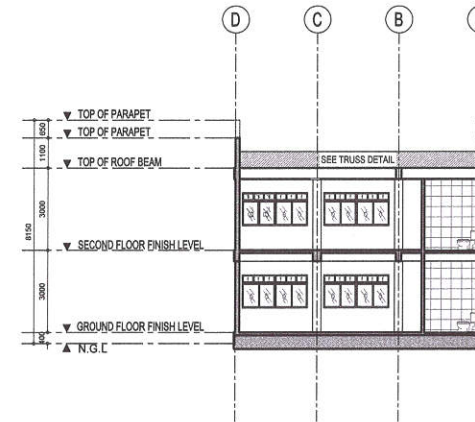
3 LONGITUDINAL SECTION

SCALE: 1:100 METERS



2 RIGHT SIDE ELEVATION

SCALE: 1:100 METERS



4 CROSS SECTION

SCALE: 1:100 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**

LOCATION:
BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

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

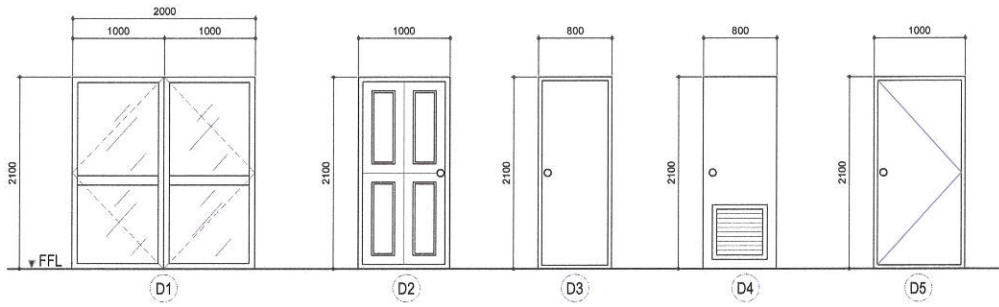
APPROVED BY:

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

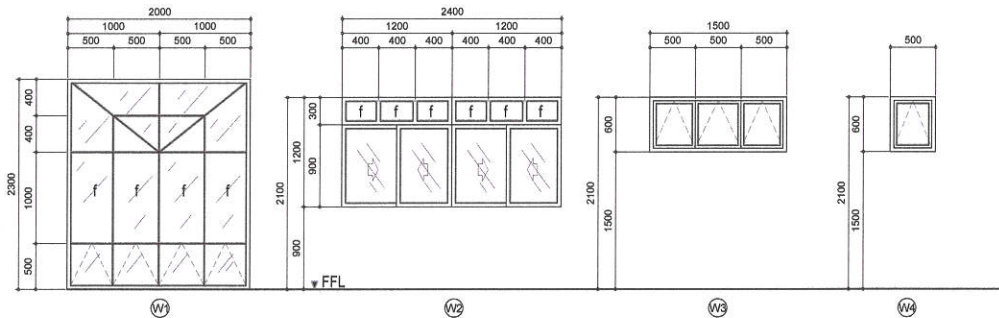
SHEET CONTENTS:
REAR ELEVATION, RIGHT
SIDE ELEVATION,
LONGITUDINAL SECTION,
CROSS SECTION

SHEET NO.
AR-05

20-00141



MARK	# OF UNITS	DESCRIPTION	REMARKS
(D1)	1-SET	ALUMINUM FRAMED DOUBLE LEAF SWING DOOR W/ (10MM THICK)	ANALOK FINISH
(D2)	2-SETS	PANEL DOOR	WHITE DUCCO PAINT FINISH
(D3)	1- SET	FLUSH DOOR	WHITE DUCCO PAINT FINISH
(D4)	4-SETS	PVC TYPE DOOR W/ LOUVER	WHITE DUCCO PAINT FINISH
(D5)	1-SET	STEEL DOOR	OQE PAINT FINISH
(W1)	1-SET	ALUMINUM FRAMED FIXED W/ AWNING WINDOW W/ (10MM THK CLEAR GLASS)	ANALOK FINISH
(W2)	14-SETS	ALUMINUM FRAMED FIXED W/ SLIDING WINDOW W/ 10MM THK CLEAR GLASS	ANALOK FINISH
(W3)	2-SETS	ALUMINUM FRAMED W/ AWNING WINDOW W/ (10MM THK CLEAR GLASS)	ANALOK FINISH
(W4)	4-SETS	ALUMINUM FRAMED AWNING WINDOW 6MM THICK CLEAR GLASS	ANALOK FINISH



2 | SCHEDULE OF DOORS AND WINDOWS

SCALE: 1:30 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**

LOCATION:
BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISIONS:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

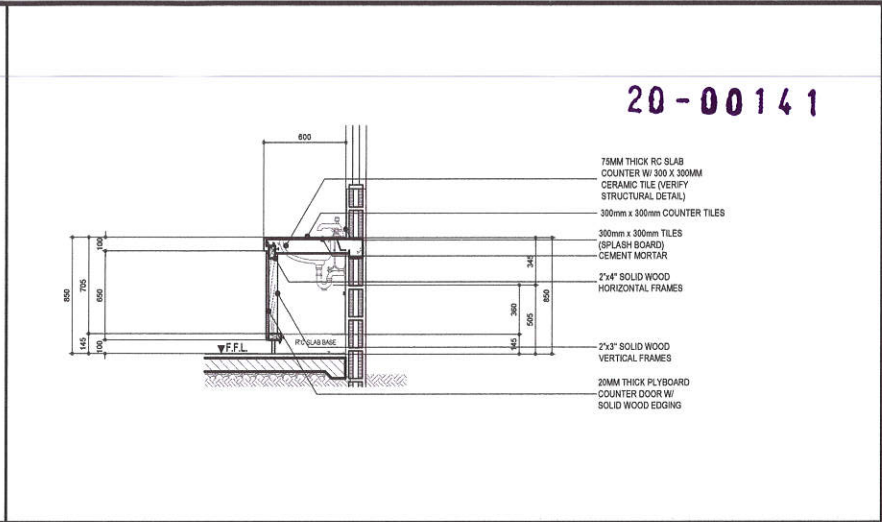
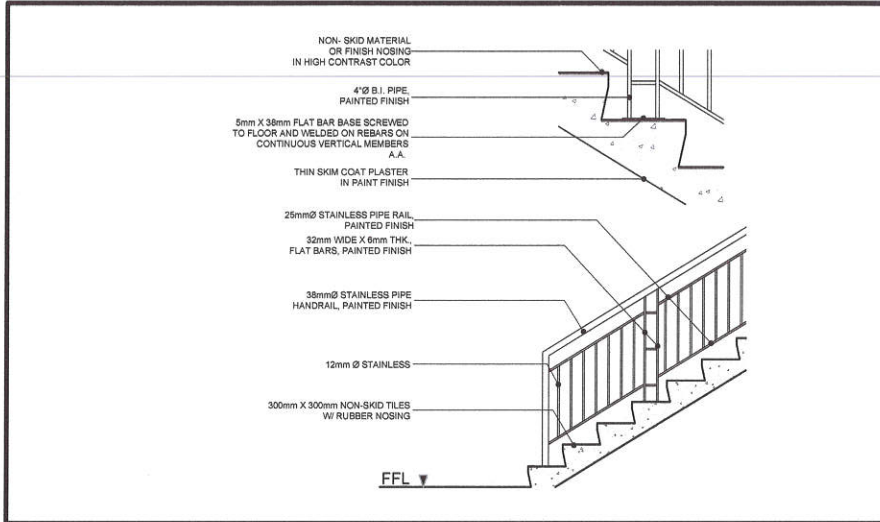
ENGR. ISAGANI R. VERZOSA, JR.
HEAD, CIVIL ENGINEERING DEPARTMENT

APPROVED BY:

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

SHEET CONTENTS:
SCHEDULE OF DOORS
AND WINDOWS

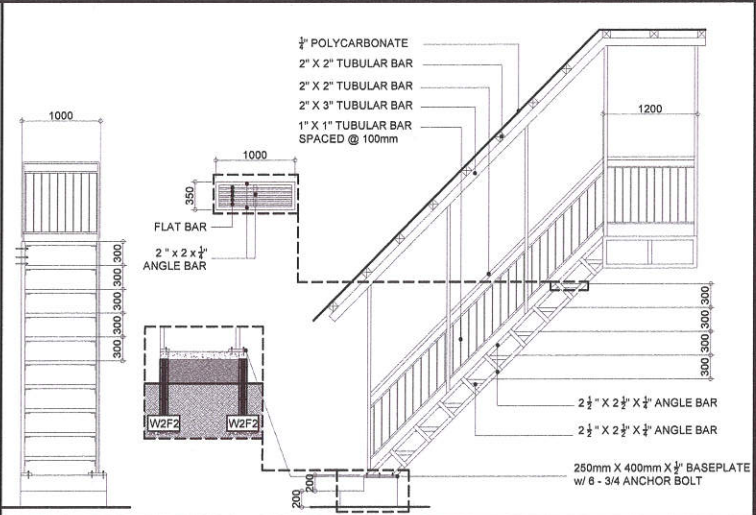
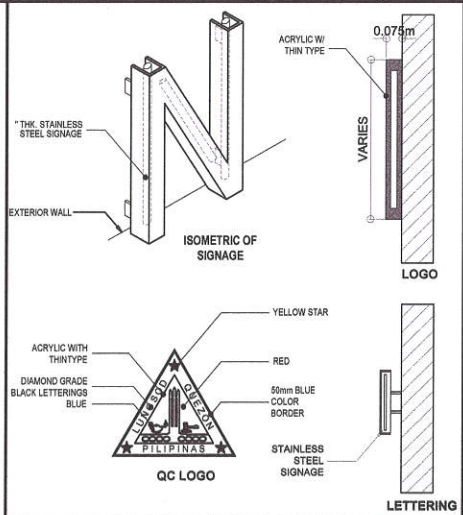
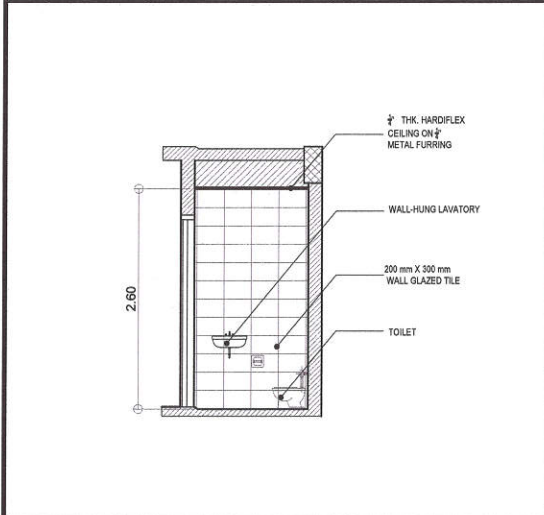
SHEET NO.
AR-06



20-00141

1 STAIR DETAIL NOT TO SCALE

2 TYP. COUNTER DETAIL NOT TO SCALE



3 TYPICAL COMFORT ROOM DETAIL NOT TO SCALE

4 Q.C. LOGO AND SIGNAGE DETAIL NOT TO SCALE

5 FIRE EXIT DETAIL NOT TO SCALE

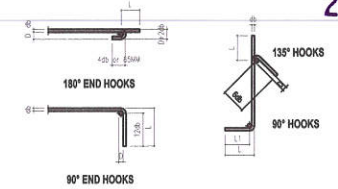
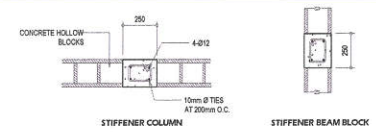
	Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE:	DESIGNED BY: D.A.A.	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.
		PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL LOCATION: BARANGAY UP VILLAGE, DISTRICT 3, QUEZON CITY	DATE: CHECKED BY: <i>[Signature]</i> REVISION NO.:	<i>[Signature]</i> ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	<i>[Signature]</i> ENGR. SAGAMI N. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	STAIR DETAIL, TYPICAL COUNTER DETAIL, TYPICAL COMFORT ROOM DETAIL, Q.C. LOGO AND SIGNAGE DETAIL, FIRE EXIT DETAIL.	AR-07

20-00141

NOTES ON REINFORCEMENT:

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

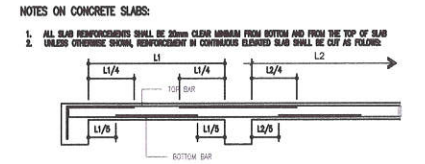
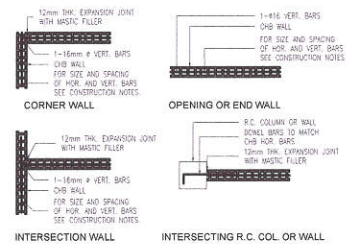
LOCATION	STRENGTH	MAX SIZE OF AGGREGATES	MAX SLAB
CEILING OR GROUND FLOOR	3000 PSI (20.685 MPa)	1 in (25 mm)	4 in (100mm)
WALL FOOTING	3000 PSI (20.685 MPa)	1 1/2 in (38mm)	4 in (100mm)



3. REINFORCING BARS SHALL CONFORM TO FH49 GRADE 275 FOR 12MM AND SMALLER BARS AND GRADE 415 FOR 16MM AND LARGER BARS.
4. IN GENERAL, THE LATEST EDITION OF ACI'S MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE APPLIED TO ALL CASES UNLESS OTHERWISE SHOWN OR NOTED.
5. MINIMUM MINIMUM CONCRETE COVER FOR REINFORCING STEEL, AS FOLLOWS:

CONCRETE EXPOSED DIRECTLY AGAINST GROUND	75mm
SUPPORDED SLABS	25mm
SLAB ON GROUND	40 mm
WALLS ABOVE GROUND	30 mm
BEAMS & COLUMNS	40mm
6. SPLICES SHALL BE SECURELY WELDED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPLICE AND ANCHORAGE LENGTH UNLESS OTHERWISE SHOWN OR OTHERWISE SPECIFIED SHALL BE PROVIDED UNLESS OTHERWISE POSSIBLE).
7. ALL ANCHOR BOLTS CORNERS AND OTHER DETAILS SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, BELLS, STAIRS, EQUIPMENTS AND MECHANICAL DEVICES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONCRETE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP FOR SPRINKLING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
10. SUPPORT OF FORMS AND SHORES:

FOUNDATION	— 24 HRS.
SUPPORDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	— 8 DAYS
WALL	— 21 DAYS
BEAMS	— 14 DAYS
COLUMNS	— 21 DAYS
11. DEVELOPMENT LENGTH FOR ALL BARS SHALL BE A MINIMUM OF 30 BAR DIAMETER UNLESS OTHERWISE NOTED STRUCTURAL STEEL AND PLATES.
12. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM (A-36) SPECIFICATIONS WITH MINIMUM YIELD STRENGTH (fy= 360 MPa).
13. ANCHOR & REINFORCING BOLTS, ALL BOLTS SHALL CONFORM TO ASTM (A-307) SPECIFICATIONS.
14. REINFORCING BARS, ALL WELDING RODS SHALL BE MILD STEEL, ELECTRODE, LOW HYDROGEN EPOXY WITH MINIMUM YIELD STRENGTH = 420 MPa.
15. FOUNDATION IS DESIGNED BASED ON NATIONAL BUILDING CODE OF THE PHILIPPINES FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 100 KPa.
16. 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 DESIGN.



NOTES ON CONCRETE SLABS:

1. ALL SLAB REINFORCEMENTS SHALL BE 20mm CLEAR MINIMUM FROM BOTTOM AND FROM THE TOP OF SLAB.
2. UNLESS OTHERWISE SHOWN, REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS:

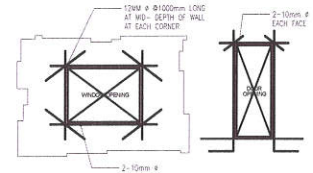
MINIMUM TEMPERATURE BARS	
100 mm	10mm Ø @ 250 EACH WAY
125 mm	10mm Ø @ 225 EACH WAY
150 mm	10mm Ø @ 185 EACH WAY
175 mm	10mm Ø @ 150 EACH WAY
200 mm	10mm Ø @ 140 EACH WAY

3. IF SLABS ARE REINFORCED BARRING, BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONGER SPAN AT THE CORNER AND OVER THE LONGER SPAN FOR REINFORCING BARS NEAR THE SUPPORTS. THE SPACING OF THE BARS AT THE COLLAR STRIPS SHALL NOT BE MORE THAN ONE AND A HALF (1.5) SLAB THICKNESS.
4. TEMPERATURE BARS FOR SLAB SHALL BE SCHEDULED PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 100mm x CROSS SECTION AREA (As) OF THE SLAB (SEE SCHEDULE BELOW).

NOTES ON MASONRY WALLS

1. ALL MATERIALS WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARD & SPECIFICATIONS OF THE STRUCTURAL CODE OF THE PHILIPPINES & UNIFORM BUILDING CODE.
2. MASONRY & GROUT FOR ALL CONCRETE MASONRY SHALL CONFORM TO ASTM 270 - TYPE N & SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH COMPRESSIVE STRENGTH OF 17.2MPa (2500 PSI).
3. ALL CELLS SHALL BE LID AND CURE WITH CELLS IN UNCOMPLETED VERTICAL COURSE.
4. ALL CELLS ESPECIALLY THOSE WITH REINFORCEMENT SHALL BE FILLED WITH MORTAR.
5. ALL MASONRY WALLS SHALL BE PROVIDED WITH REINFORCING BARS & SUPPORT AS REQUIRED:
 - SA. FOR HIGH WALLS 1 EVERY 3000mm & COLUMN (Ø12) AT 3000 mm ON CENTER.
 - SB. FOR DOORS A WINDOW OPENING PROVIDE LIMIT. BEAM SAME AS STIFFENER BEAM BLOCK.
6. UNLESS OTHERWISE SHOWN IN PLANS, ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.

TYPICAL CONNECTION DETAIL OF MASONRY WALL



TYPICAL EXTERIOR WINDOW AND DOOR OPENING

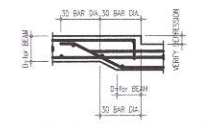
SCHEDULE OF CONCRETE HOLLOW BLOCK AND CERAMIC BLOCK REINFORCEMENT			
BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
100 mm	10mm Ø @ 500mm O.C.	10mm Ø @ 500mm O.C.	A. MINIMUM LAP SPLICE = 450mm B. PROVIDE BENT ANCHOR REINFORCEMENT AT CORNERS AS SHOWN
125 mm	10mm Ø @ 500mm O.C.	10mm Ø @ 500mm O.C.	C. PROVIDE Ø16 OR Ø18 DIA. WALL DOUBLE END COL. R.C. BOLLER AND WALL DOUBLE END COL. R.C. BOLLER AND WALL DOUBLE END COL. R.C. BOLLER AS SHOWN OR REINFORCEMENTS SHALL BE PROVIDED.
150 mm	10mm Ø @ 500mm O.C.	10mm Ø @ 500mm O.C.	

TESTING & COMMISSIONING WORKS:

1. ALL NECESSARY TESTING OF MATERIALS AND COMMISSIONING WORKS MUST BE PERFORMED AS PER STANDARD PROCEDURE.

NOTES ON STIRRUPS

1. ALL REINFORCEMENT SHALL BE BENT COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
2. REINFORCEMENT PARTIALLY ENCASED IN CONCRETE SHALL NOT BE FILLED BENT, EXCEPT AS SHOWN IN THE DESIGN OR PERMITTED BY THE STRUCTURE ENGINEER.
3. TIES AND CLOSE STIRRUPS MUST BE BENT AT 135°.



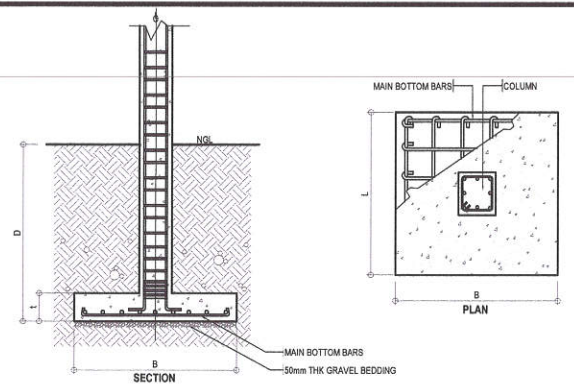
TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT

1 GENERAL NOTES

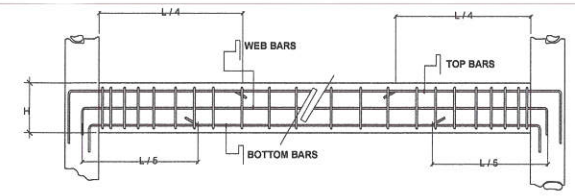
NOT TO SCALE

<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE:	DATE:	QUANTITY: 2 A.A.	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.
	<p>PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL</p> <p>LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY</p>	<p>ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAJOR, QUEZON CITY</p>	GENERAL NOTES	ST-01		

20-00141



MARK	DIMENSION (mm)			REINFORCEMENTS		D	REMARKS
	B	L	t	ALONG B	ALONG L		
F1	1200	1200	300	8 - 16mm Ø	8 - 16mm Ø	1500	SQUARE FOOTING
F2	1500	1500	300	8 - 16mm Ø	8 - 16mm Ø	1500	SQUARE FOOTING



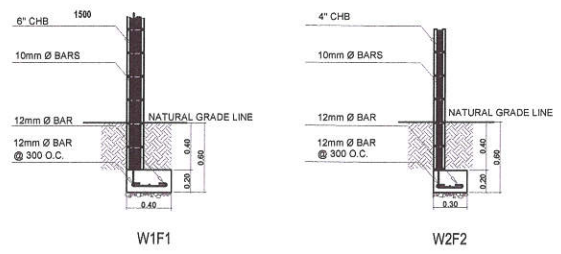
BEAM MARK	DIMENSION		BAR Ø	TOP BARS			BOTTOM BARS			WEB BAR	STIRRUPS
	B(mm)	H(mm)		LEFT SUPPORT	MID SPAN	RIGHT SUPPORT	LEFT SUPPORT	MID SPAN	RIGHT SUPPORT		
B1	300	400	18	4	2	4	2	4	2	2	1 @ 15.4 @ 100, REST @ 200
B2	300	500	18	8	3	8	3	8	3	2	1 @ 15.4 @ 100, REST @ 200
B3	300	400	18	2	2	2	2	2	2	—	1 @ 15.4 @ 100, REST @ 200
CBR1	300	300	18	3	2	3	2	3	2	—	1 @ 15.4 @ 100, REST @ 200

1 COLUMN FOOTING DETAIL

NOT TO SCALE

3 SCHEDULE OF BEAM

NOT TO SCALE



MARK	C-1	C-2
FOUNDATION TO SECOND FLOOR		
MAIN REINF.	8 - 16mmØ	8 - 16mmØ
COL. TIES	10mmØ, 1 @ 0.05M, 2 @ 0.10M, 3 @ 0.15M, REST @ 0.20M	10mmØ, 1 @ 0.05M, 2 @ 0.10M, 3 @ 0.15M, REST @ 0.20M

2 WALL FOOTING DETAIL

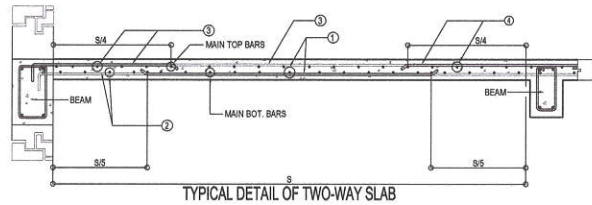
NOT TO SCALE

4 COLUMN DETAIL

NOT TO SCALE

<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL	DESIGNED BY: D.A.A.	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS: COLUMN FOOTING DETAIL, WALL FOOTING DETAIL, SCHEDULE OF BEAM, COLUMN DETAIL	SHEET NO. ST-02
	LOCATION: BARANGAY UP VILLAGE, DISTRICT 3, QUEZON CITY	DATE:	CHECKED BY:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	

20-00141



MARK	t	REINFORCEMENT						REMARKS				
		MAIN BARS		TEMP		ALONG SHORT SPAN			ALONG LONG SPAN			
		4	3	1	2	4	3		1	2		
S1	123	10	10	300	150	150	300	300	150	150	300	TWO-WAY SLAB

12mm Ø BAR EVERY 200mm O.C.

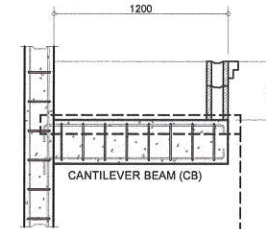
4-10mm Ø BAR

LINTEL BEAM/ STIFFENER BEAM

0.50

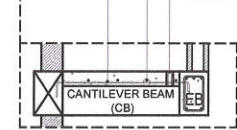
0.10

DRIP MOLD



NOTE:
3-16mmØ TOP BARS
2-16mmØ BOTTOM BARS
10mmØ STIRRUPS @ 150mm SPACING

12mm Ø BAR EVERY 200mm O.C.
4-10mm Ø BAR
3" Ø PIPE



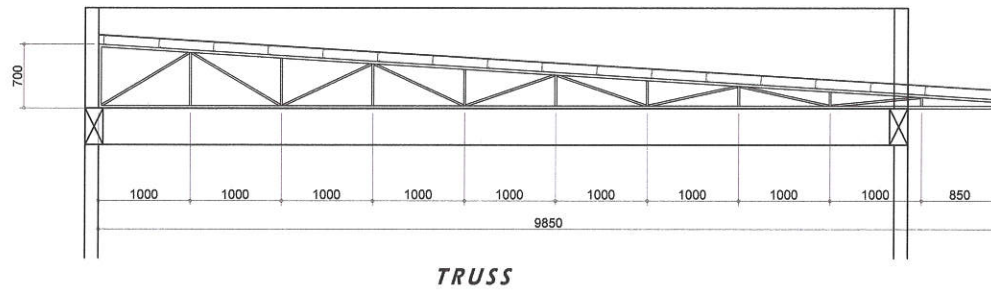
SECTION (MAIN CANOPY)

1 SCHEDULE OF SLAB

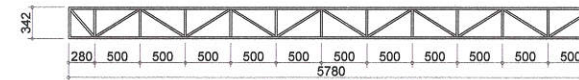
NOT TO SCALE

2 CANOPY AND MAIN CANOPY DETAIL

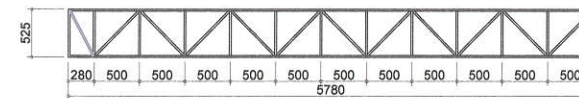
NOT TO SCALE



TRUSS



SWAY BRACE-1



SWAY BRACE-2

NOTE:
2-2" X 2" X 1/4" THK. ANGLE BAR (TOP & BOTTOM CHORD)
2-1 1/2" X 1 1/2" X 1/4" ANGLE BAR (WEB MEMBER)
2" X 4" C-PURLINS @ 0.60 SPACING O.C.

3 TRUSS DETAIL

SCALE: 1:30 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL
LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISIONS:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

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

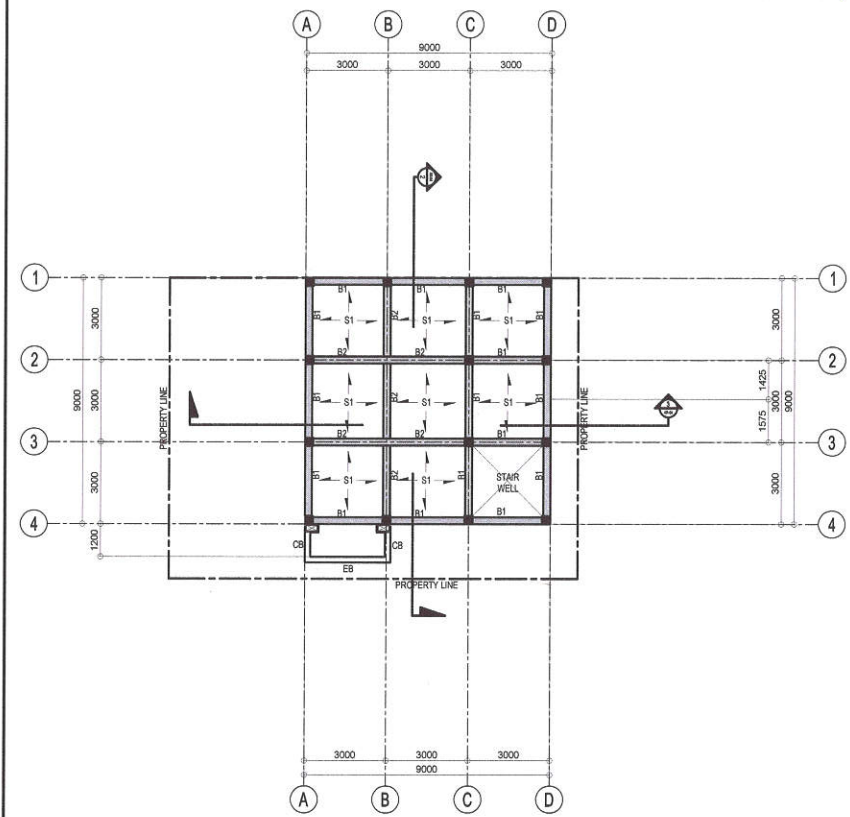
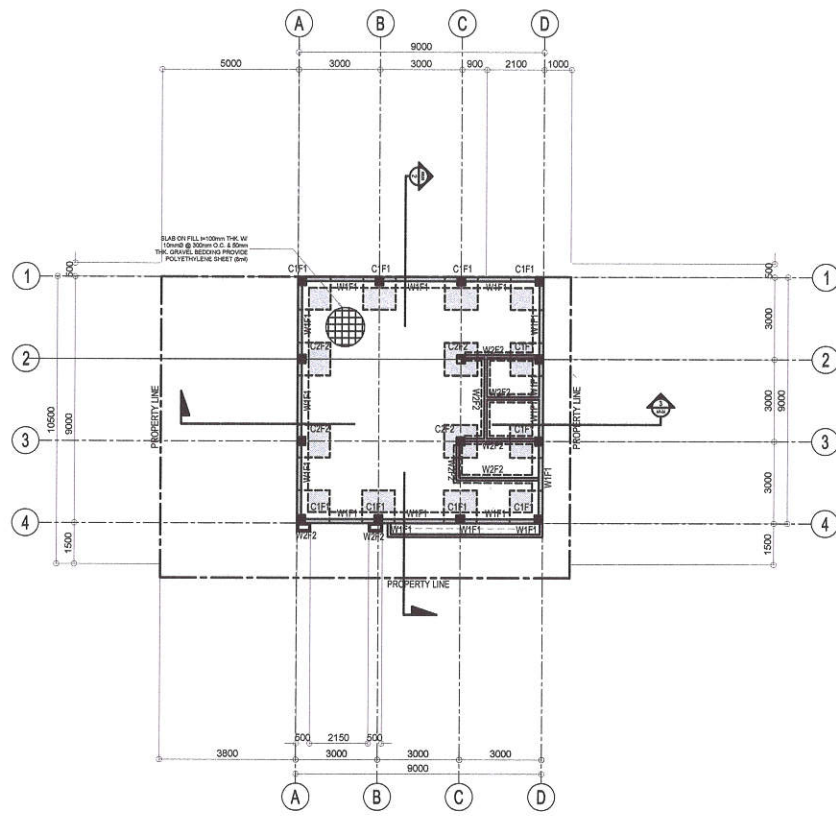
APPROVED BY:

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

SHEET CONTENTS:
SCHEDULE OF SLAB,
CANOPY AND MAIN
CANOPY DETAIL, TRUSS
DETAIL.

SHEET NO.
ST-03

20-00141


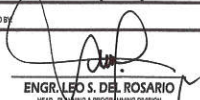

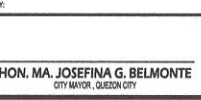



1 FOUNDATION PLAN

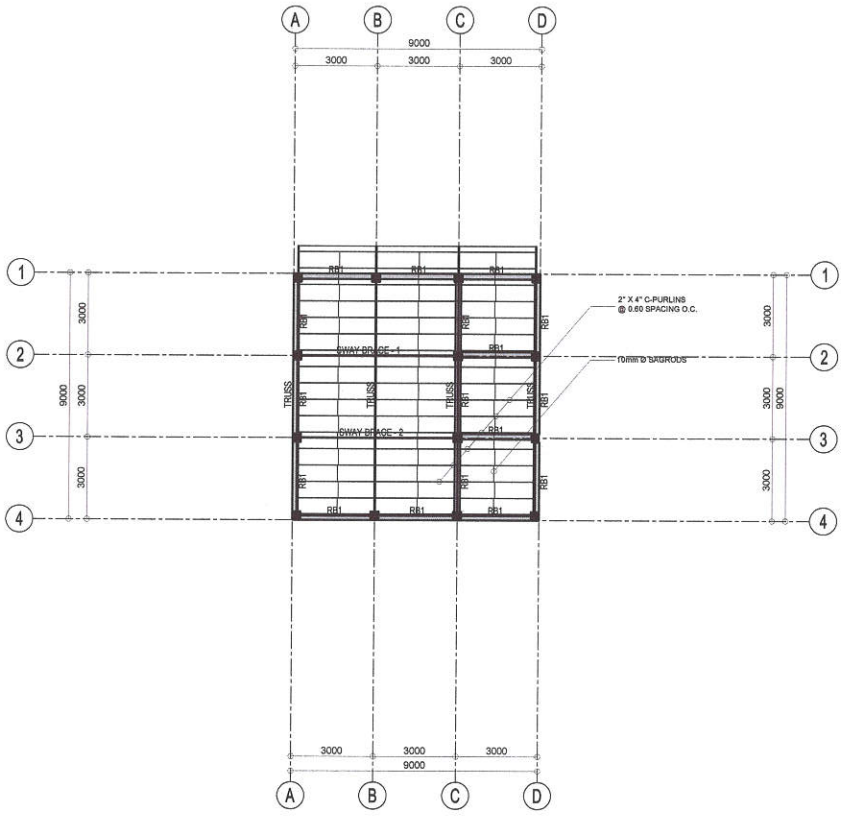
SCALE: 1:100 METERS

2 SECOND FLOOR FRAMING PLAN

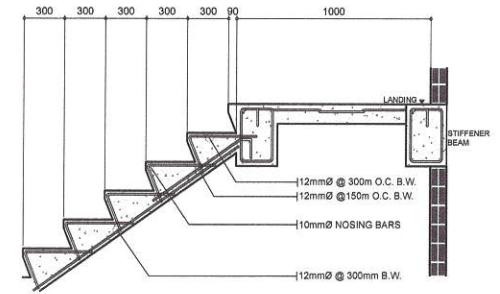
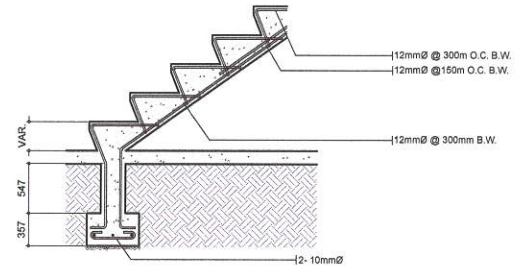
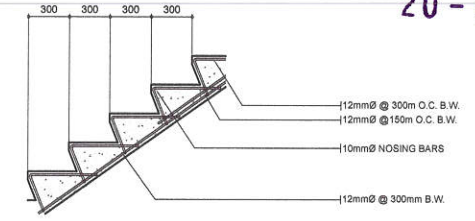
SCALE: 1:100 METERS

 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL</p>	<p>DESIGN BY: D.A.L.</p>	<p>SUBMITTED BY: </p>	<p>RECOMMENDING APPROVAL: </p>	<p>APPROVED BY: </p>	<p>SHEET CONTENTS: FOUNDATION PLAN SECOND FLOOR FRAMING PLAN</p>	<p>SHEET NO. ST-04</p>
	<p>LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY</p>	<p>DATE: _____</p>	<p>CHECKED BY: </p>	<p>ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. SAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY</p>	

20-00141



NOTE:
 1. FOR RISER HEIGHT, REFER TO NUMBER OF RISERS AND FLOOR TO FLOOR HEIGHT
 2. STAIR THREADS SHOULD BE AT 250 MM MINIMUM WIDTH



1 ROOF FRAMING PLAN

SCALE: 1:100 METERS

2 STRUCTURAL STAIR DETAIL

SCALE: 1:100 METERS

<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL</p>	<p>DESIGN BY: O. A. A.</p>	<p>SUBMITTED BY:</p>	<p>RECOMMENDING APPROVAL:</p>	<p>APPROVED BY:</p>	<p>SHEET CONTENTS:</p>	<p>SHEET NO.</p>
	<p>DATE:</p>	<p>CHECKED BY:</p>	<p>ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY</p>	<p>ROOF FRAMING PLAN, STRUCTURAL STAIR DETAIL</p>	<p>ST-05</p>
<p>LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY</p>		<p>REVISIONS:</p>					

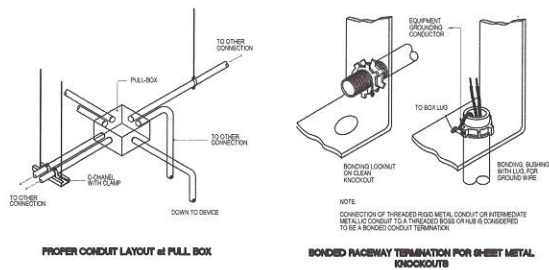
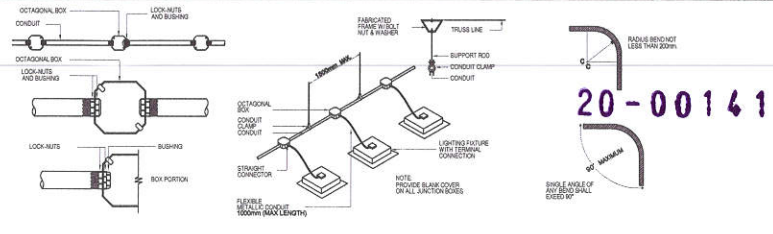
- ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LAWS AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITIES AND THE REQUIREMENTS OF THE LOCAL POWER AND TELEPHONE UTILITY COMPANY.
- THE CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE WORK AND SHALL FURNISH THE OWNER THROUGH THE ENGINEERS, FINAL CERTIFICATES OF ELECTRICAL INSPECTION AND APPROVAL FROM PROPER GOVERNMENT AUTHORITIES FOR COMPLETION OF WORK.
- ALL EMBEDDED BRANCH CIRCUITS SHALL BE PVC CONDUITS AND FOR EXPOSED INSTALLATION SHALL BE IMC SUPPORTED BY CONDUIT CLAMPS EVERY 700 MILLIMETERS
- PULL BOXES SHALL BE PROVIDED BY THE CONTRACTOR WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON THE PLANS. SIZING OF ALL PULLBOXES SHALL BE COMPUTED BASED ON THE CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION. LOCATION OF PULLBOXES SHALL BE APPROVED BY THE ARCHITECT/ENGINEER AND MUST BE REFLECTED ON THE 'AS-BUILT' PLAN.
- ALL POWER OUTLETS AND SWITCHES SHALL BE GROUNDING TYPE WITH PARALLEL SLOTS FOR 230 V.
- PROVIDE GROUND FAULT CURRENT INTERRUPTER CIRCUIT BREAKER FOR LOADS MARKED "GFC" ON THE PLAN.
- ALL METALLIC CONDUITS, CABINETS AND EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED.
- UNLESS OTHERWISE NOTED, MOUNTING HEIGHT FOR WALL MOUNTED DEVICES SHALL BE AS FOLLOWS:

RECEPTACLE OUTLET - 300 MM AFF, 150MM ABOVE WORKING COUNTER.
 TELEPHONE OUTLET - 300 MM AFF
 CATV OUTLET - 300 MM AFF
 LIGHTING SWITCH - 1400 MM AFF
 PANELBOARD - 1800 MM AFF

- REFER TO MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR RATINGS AND LOCATIONS OF EQUIPMENT AS WELL AS THEIR CONTROL SEQUENCES AS SPECIFIED AND OR SHOWN UNDER THEIR RESPECTIVE SECTIONS.
- ALL MATERIALS TO BE USED SHALL BE OF THE BEST QUALITY, BRAND NEW AS SPECIFIED.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PRESENT GENERAL LAYOUT AND BROAD OUTLINE/DESCRIPTION OF THE PROJECT BUT DO NOT NECESSARILY INDICATE/DESCRIBE ACTUAL LOCATIONS, LEVEL AND DISTANCES OF THE EQUIPMENT. THE CONTRACTOR IS HEREBY REQUIRED TO MAKE SUCH ADJUSTMENT AT THE JOBSITE AS LOCATION, DISTANCES AND LEVELS ARE GOVERNED BY ACTUAL FIELD CONDITIONS.
- ANY DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION DECISION.
- ALL LIGHTING AND CONVENIENCE OUTLET CIRCUITS SHALL BE 3.5 SQ. MM. THWN-2 COPPER WIRE UNLESS OTHERWISE NOTED. MINIMUM SIZE OF WIRE SHALL BE 3.5 SQ. MM. COPPER WIRE. ALL WIRES AND CABLES SHALL BE COLOR CODED AS FOLLOWS:

LINE 1 - RED
 LINE 2 - YELLOW
 NEUTRAL - WHITE
 GROUND - GREEN

- BOXES, WIRE, GUTTERS, ENCLOSURE SHALL BE FABRICATED FROM STEEL WITH THICKNESS AS FOLLOWS:
 MAXIMUM WIDTH OF THE WIDEST SURFACE STEEL
 UP TO INCLUDING 152.40 MM GA 16 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT
 OVER 152.40 MM BUT NOT OVER 457.30 GA 14 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT
 OVER 457.30 MM BUT NOT OVER 762 MM GA 12 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT
 OVER 762 MM GA 10 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT
- ALL ELECTRICAL WORKS HEREIN SHALL BE EXECUTED BY EXPERIENCED MEN UNDER THE DIRECT SUPERVISION OF A FULL-TIME LICENSED ELECTRICAL ENGINEER AND A DULY ACCREDITED ELECTRICAL CONTRACTOR BY PCAB. WORKS SHALL BE NEATLY PLACED, SECURELY FASTENED AND PROPERLY FINISHED.
- TYPE OF SERVICE ENTRANCE SHALL BE SINGLE-PHASE, TWO-WIRE PLUS GROUND, 60 HERTZ, 230V AC NOMINAL.
- CONDUITS IN NO CASE SHALL THERE BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS IN ANY ONE RUN. ALL CONDUIT BENDS SHALL BE FIELD MADE BY USING HYDRAULIC BENDERS. MINIMUM BENDING RADIUS MUST BE IN ACCORDANCE TO THE CODE REQUIREMENTS.
- UPON COMPLETION OF ELECTRICAL CONSTRUCTION WORK, INSULATION RESISTANCE TEST AND FUNCTIONALITY TEST SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS ON FORMS APPROVED BY THE QUEZON CITY ENGINEERING DEPARTMENT REPRESENTATIVE. THE GROUND RESISTANCE FOR ELECTRICAL SYSTEMS SHALL NOT BE MORE THAN 5 OHMS. COMMUNICATION GROUNDING RESISTANCE SHALL NOT EXCEED 2 OHMS.



- CIRCUIT LINE
- SWITCH LINE
- ⊕ 11W LED PINLIGHT
- ⊕ 1-18W LED FL IN TROFFER FIXTURE
- ⊕ 2-18W LED FL IN TROFFER FIXTURE
- ⊕ EXHAUST FAN (WALL MOUNTED)
- S1 SINGLE GANG SWITCH
- S2 TWO GANG SWITCH
- S3 THREE GANG SWITCH
- ⊕ CONVENIENCE DUPLEX OUTLET
- ⊕ SPECIAL PURPOSE OUTLET (ACU)
- ⊕ LPP-2 CIRCUIT HOMERUN
- ⊕ MAIN DISTRIBUTION PANEL
- ⊕ ELECTRICAL POST

1 GENERAL NOTES

2 LEGEND AND SYMBOLS

<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL	DRAWN BY: D.A.A.	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS: GENERAL NOTES, LEGEND AND SYMBOLS	SHEET NO. EL-01
	LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY	DATE:	CHECKED BY:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGAN R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAJOR, QUEZON CITY	

CKT. NO.	LOAD DESCRIPTION			VOLTS	WATTS	AMP.	AT	SIZE OF	
	L.O	C.O	OTHERS					WIRES	CONDUITS
1	18			230	1800	7.83	20	2-3.5mm ² THHN COPPER WIRE	IN 20mm ϕ PVC PIPE
2	13			230	1300	5.65	20	2-3.5mm ² THHN COPPER WIRE	IN 20mm ϕ PVC PIPE
3		7	2-E.L.	230	1620	7.04	20	2-3.5mm ² THHN COPPER WIRE	IN 20mm ϕ PVC PIPE
4		10	1-E.L.	230	1980	8.61	20	2-3.5mm ² THHN COPPER WIRE	IN 20mm ϕ PVC PIPE
5			1-ACU	230	1840	8.0	30	2-3.5mm ² THHN COPPER WIRE 1-3.5mm ² TW GROUND WIRE	IN 20mm ϕ PVC PIPE
6			1-ACU	230	1840	8.0	30	2-3.5mm ² THHN COPPER WIRE 1-3.5mm ² TW GROUND WIRE	IN 20mm ϕ PVC PIPE
7			1-ACU	230	1840	8.0	30	2-3.5mm ² THHN COPPER WIRE 1-3.5mm ² TW GROUND WIRE	IN 20mm ϕ PVC PIPE
8			1-ACU	230	1840	8.0	30	2-3.5mm ² THHN COPPER WIRE 1-3.5mm ² TW GROUND WIRE	IN 20mm ϕ PVC PIPE
9			SPARE	230			30	E M P T Y	E M P T Y
10			SPARE	230			30	E M P T Y	E M P T Y

COMPUTATION :

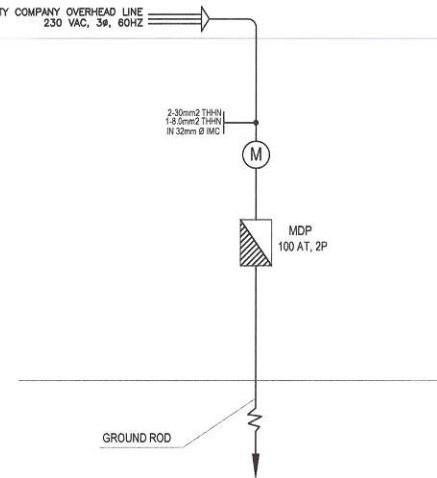
$$IT = \frac{14060 VA + (0.25 \times 1840 VA)}{230 V}$$

$$= 63.13 AMP.$$

OVER CURRENT PROTECTION
USE : 100AT, 2P, 230V CIRCUIT BREAKER

MAIN FEEDER:
USE : 2 - 30mm² THHN & 1-8.0mm² TW GROUND WIRE IN 32mm ϕ IMC PIPE

SERVICE ENTRANCE
UTILITY COMPANY OVERHEAD LINE
230 VAC, 3 ϕ , 60HZ



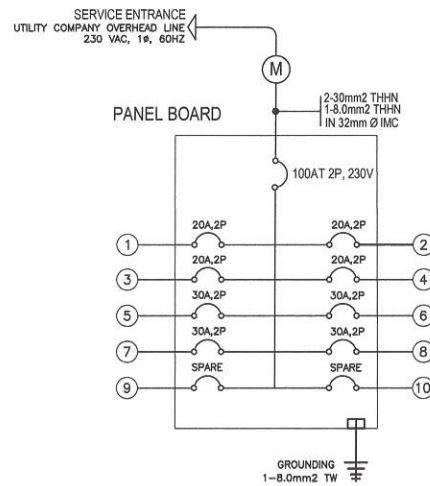
20-00141

1 SCHEDULE OF LOADS

NOT TO SCALE

3 RISER DIAGRAM

NOT TO SCALE

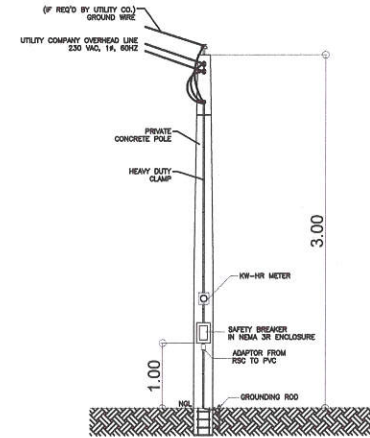


2 PANEL BOARD DETAIL

NOT TO SCALE

4 ELECTRICAL POST

NOT TO SCALE



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**

LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

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

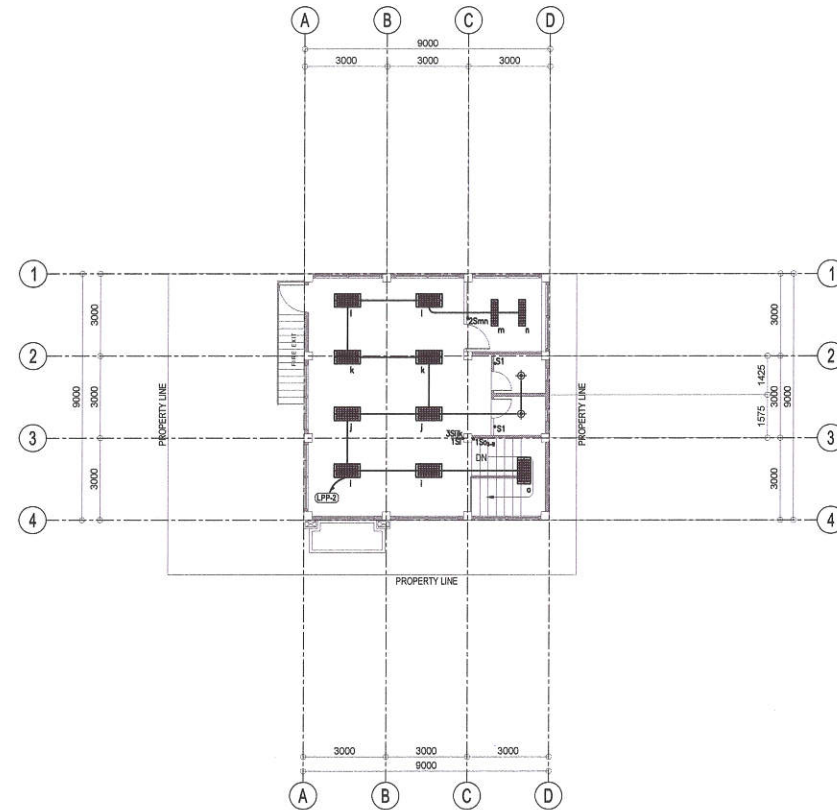
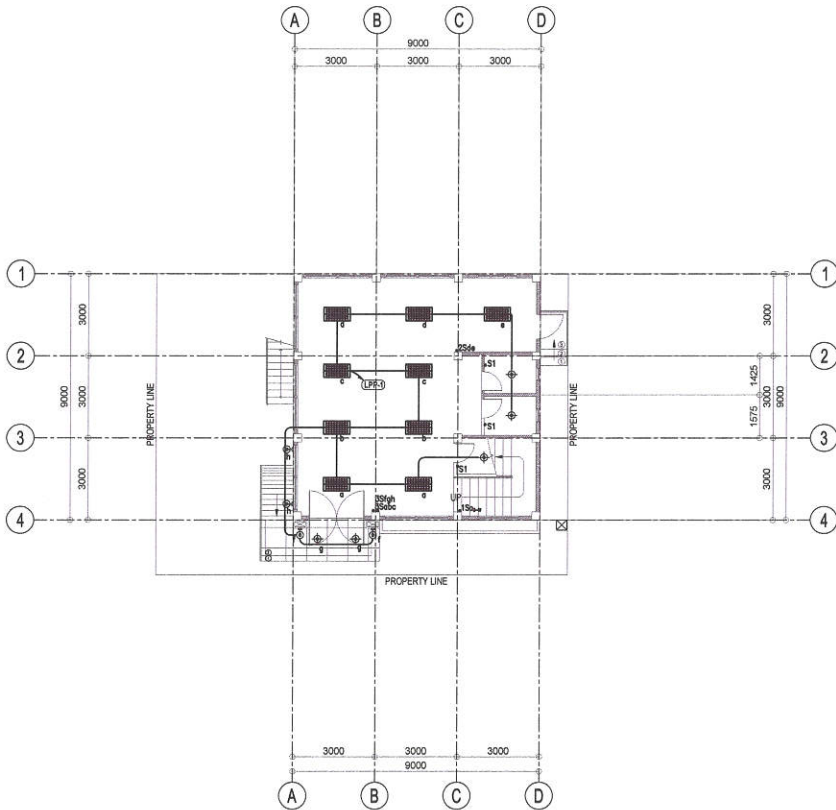
APPROVED BY:

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

SHEET CONTENTS:
SCHEDULE OF LOADS,
PANEL BOARD DETAIL,
RISER DIAGRAM,
ELECTRICAL POST
DETAIL

SHEET NO.
EL-02

20-00141



1 | GROUND FLOOR LIGHTING LAYOUT

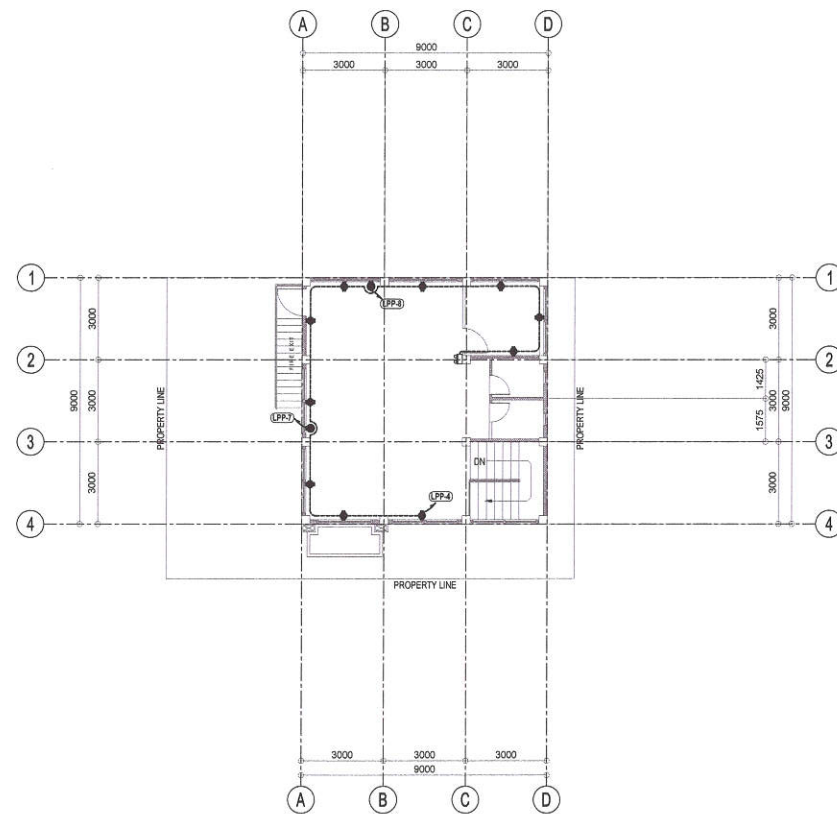
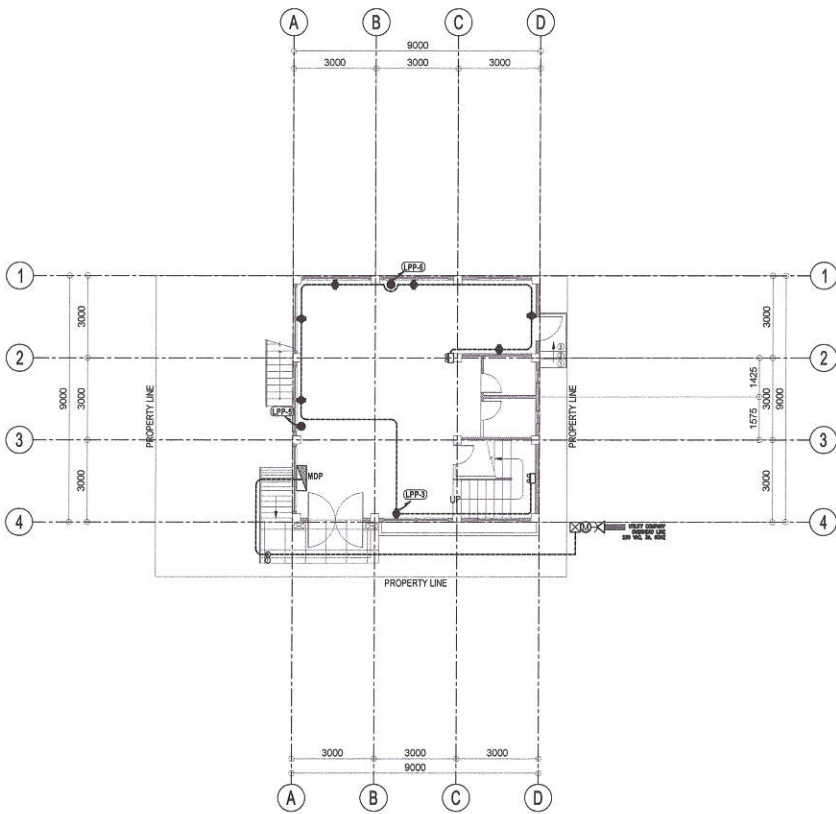
SCALE: 1:100 METERS

2 | SECOND FLOOR LIGHTING LAYOUT

SCALE: 1:100 METERS

<p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE:	DESIGN BY: D.A.A.	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.
	<p>PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL</p> <p>LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY</p>	DATE:	CREATED BY:	<p>ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. ISAGAN R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY</p>	<p>GROUND FLOOR LIGHTING LAYOUT, SECOND FLOOR LIGHTING LAYOUT</p>

20-00141



3 GROUND FLOOR POWER LAYOUT

SCALE: 1:100 METERS

4 SECOND FLOOR POWER LAYOUT

SCALE: 1:100 METERS

 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL</p>	<p>DRAWN BY: D.A.A. DATE: _____</p>	<p>SUBMITTED BY:  ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>RECOMMENDING APPROVAL:  ENGR. ISAGANI R. VERZOSA, JR. CHIEF, CITY ENGINEERING DEPARTMENT</p>	<p>APPROVED BY: _____ HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY</p>	<p>SHEET CONTENTS: GROUND FLOOR POWER LAYOUT, SECOND FLOOR POWER LAYOUT</p>	<p>SHEET NO. EL-04</p>
	<p>LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY</p>	<p>REVISION NO.:</p>					

- ALL THE PLUMBING/SANITARY WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE REGULATION OF THE PHILIPPINE PLUMBING CODE, THE NATIONAL BUILDING CODE, RULES AND REGULATION OF QUEZON CITY.
- COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWINGS AND SPECIFICATION REQUIRED THE ENGR./ ARCH. SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER OR ARCHITECT.
- PROPOSED SANITARY UTILITIES SHALL BE CONFORM TO THE ACTUAL LOCATION, DEPTH, AND INVERT ELEVATION OF ALL EXISTING STRUCTURES AND PIPES AS VERIFIED BY THE CONTRACTOR.
- ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% MIN. UNLESS OTHERWISE SPECIFIED.
- SIZES OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE AND COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT.
- ALL WATER PIPE AND WATER TANKS SHALL BE THOROUGHLY FLUSHED AND DISINFECTED WITH LIQUID CHLORINE OR HYDROCHLORIDE SOLUTION.
- ALL WATER PIPES SHALL BE HYDROSTATICALLY TESTED TO A PRESSURE 1-1/2 THE DESIGNED WORKING PRESSURE OF THE SYSTEM.
- ALL SANITARY AND STORM DRAINAGE PIPES SHALL BE HYDROSTATICALLY TESTED AT LEAST 3.0 MTS. HEAD TO ENSURE THAT THE SYSTEM ARE WATER TIGHT.
- ALL DIMENSIONS ARE IN METERS AND ALL PIPES SIZES ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
- ALL PIPES INDICATED ON PLANS REFER TO PIPES INSIDE DIAMETER.

1 GENERAL NOTES

I. WATER DISTRIBUTION SYSTEM :

-----	CWL	COLD WATER LINE
●	CWR	COLD WATER RISER
⊗	GV	GATE VALVE
⊘	CV	CHECK VALVE
⊙	WM	WATER METER

II. SEWER/ WASTE AND VENT SYSTEM :

-----	SP / WP	SOIL PIPE / WASTE PIPE
-----	VP / VAC	VENT PIPE / VENT AT CEILING
-----	DP	STORM DRAIN PIPE
●	DS	DRAINAGE STACK / DOWNSPOUT
○	VSTR	VENT STACK/EXTENDED THROUGH ROOF
●	SS	SOIL STACK
⊙	FCO/ GCO	FLOOR CLEANOUT / GROUND CLEANOUT
⊘	CCO	CEILING CLEAN-OUT
□	FD	FLOOR DRAIN
▣	CB	CATCH BASIN
▣	AD	AREA DRAIN
⊙		STALL TYPE URINAL

2 LEGEND AND SYMBOLS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**

LOCATION:
BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DESIGNED BY: D.A.A.
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

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

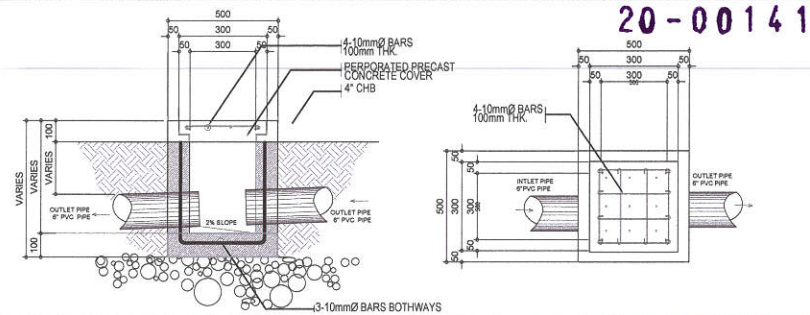
APPROVED BY:

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

SHEET CONTENTS:
GENERAL NOTES,
LEGEND, CATCH BASIN
DETAIL,
SEPTIC VAULT DETAIL

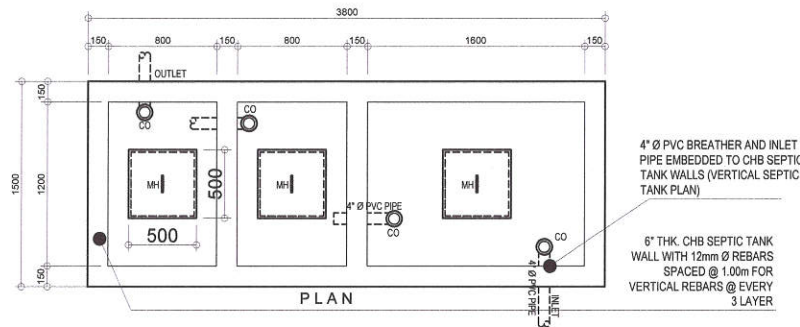
SHEET NO.

PL-01



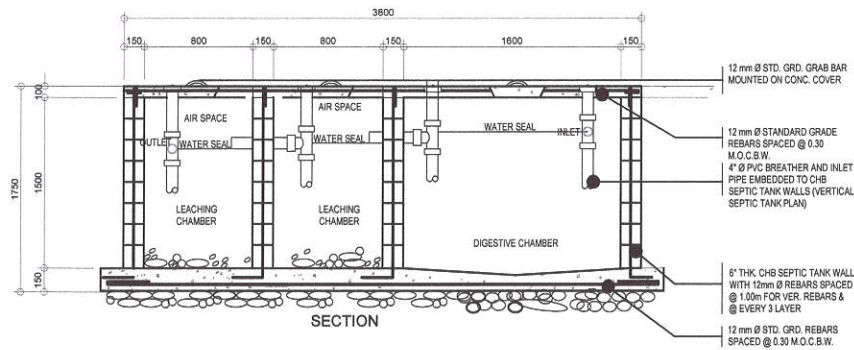
3 CATCH BASIN DETAIL

NOT TO SCALE



4" Ø PVC BREATHER AND INLET
PIPE EMBEDDED TO CHB SEPTIC
TANK WALLS (VERTICAL SEPTIC
TANK PLAN)

6" THK. CHB SEPTIC TANK
WALL WITH 12mm Ø REBARS
SPACED @ 1.00m FOR
VERTICAL REBARS @ EVERY
3 LAYER



12 mm Ø STD. GRD. GRAB BAR
MOUNTED ON CONC. COVER

12 mm Ø STANDARD GRADE
REBARS SPACED @ 0.30
M.O.C.B.W.
4" Ø PVC BREATHER AND INLET
PIPE EMBEDDED TO CHB
SEPTIC TANK WALLS (VERTICAL
SEPTIC TANK PLAN)

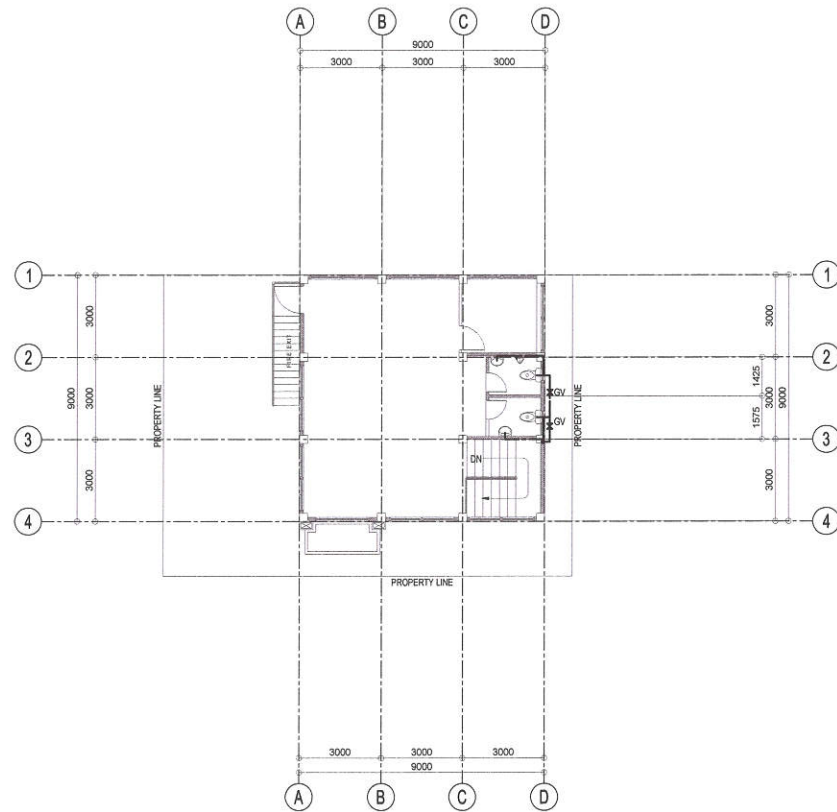
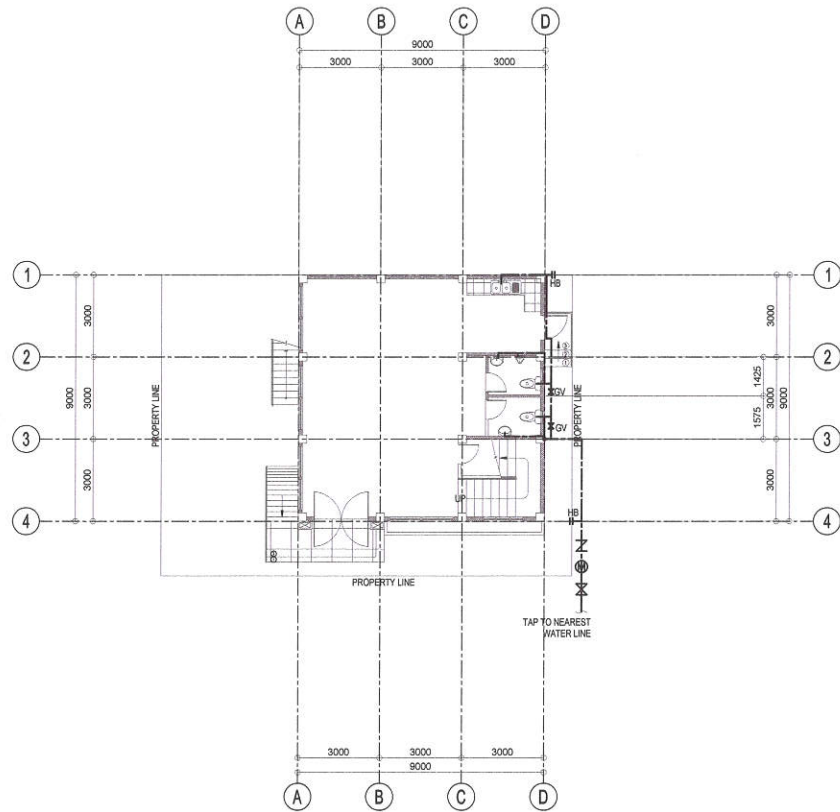
6" THK. CHB SEPTIC TANK WALL
WITH 12mm Ø REBARS SPACED
@ 1.00m FOR VER. REBARS &
@ EVERY 3 LAYER

12 mm Ø STD. GRD. REBARS
SPACED @ 0.30 M.O.C.B.W.

4 SEPTIC VAULT DETAIL

NOT TO SCALE

20-00141




1 GROUND FLOOR WATERLINE LAYOUT

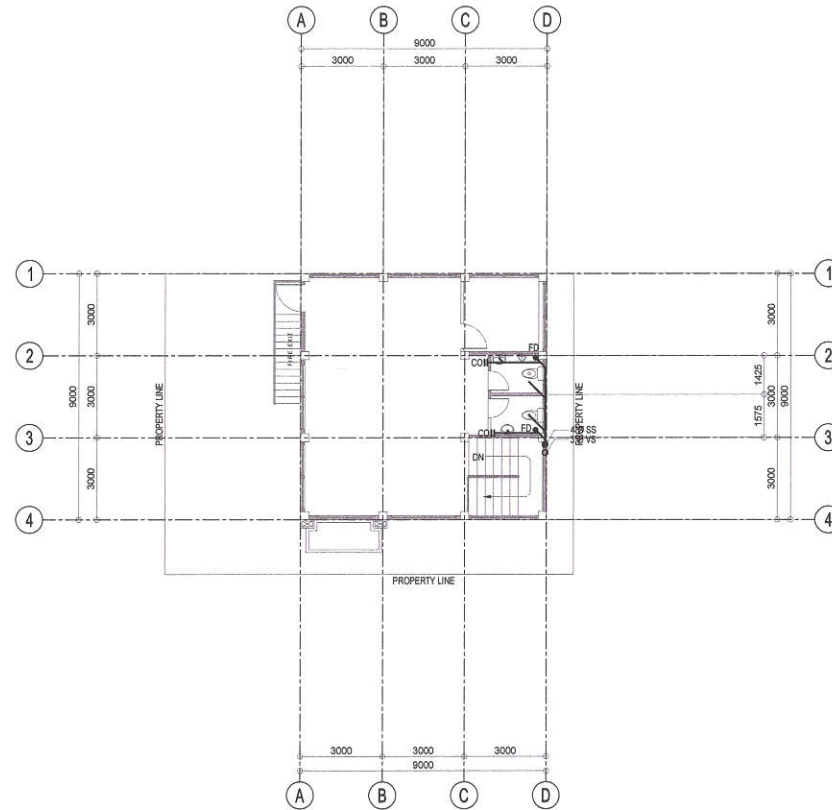
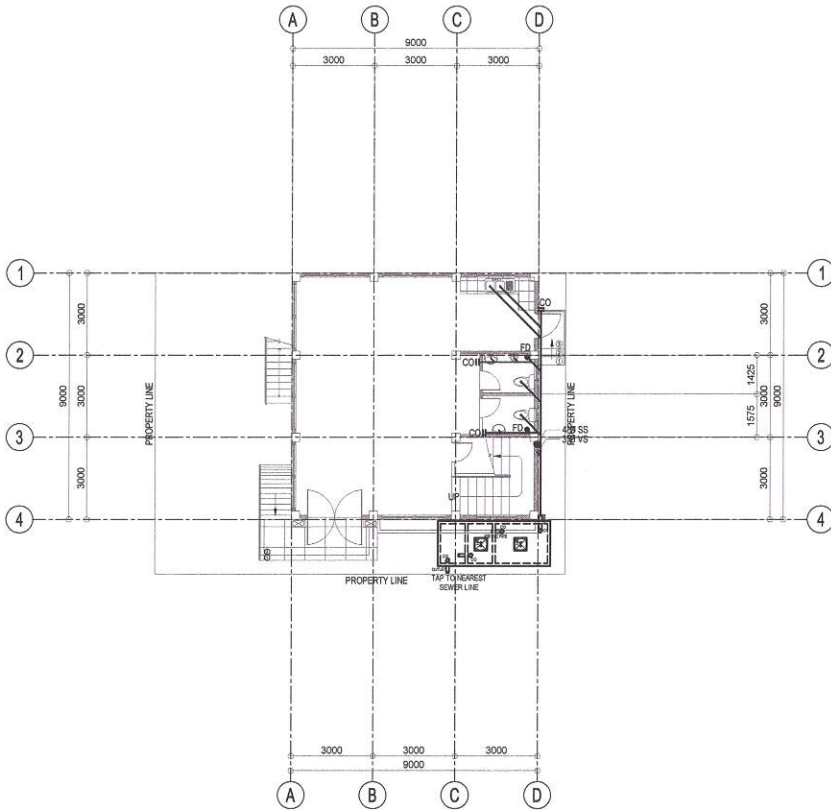
SCALE: 1:100 METERS

2 SECOND FLOOR WATERLINE LAYOUT

SCALE: 1:100 METERS

 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL</p>	<p>DESIGNED BY: D.A.A.</p>	<p>SUBMITTED BY:</p>	<p>RECOMMENDING APPROVAL:</p>	<p>APPROVED BY:</p>	<p>SHEET CONTENTS:</p>	<p>SHEET NO.</p>
	<p>LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY</p>	<p>DATE:</p>	<p>CHECKED BY:</p>	<p>ENGR. LED S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION</p>	<p>ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT</p>	<p>HON. MA. JOSEFINA G. BELMONTE CITY MAJOR, QUEZON CITY</p>	<p>GROUND FLOOR WATERLINE LAYOUT, SECOND FLOOR WATERLINE LAYOUT</p>

20-00141



1 GROUND FLOOR SEWER LINE LAYOUT

SCALE: 1:100 METERS

2 SECOND FLOOR SEWER LINE LAYOUT

SCALE: 1:100 METERS



Republike ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**
LOCATION:
BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISIONS:

SUBMITTED BY:

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

RECOMMENDING APPROVAL:

ENGR. SAGAMIR VERZOSA, JR.
CH. CITY ENGINEERING DEPARTMENT

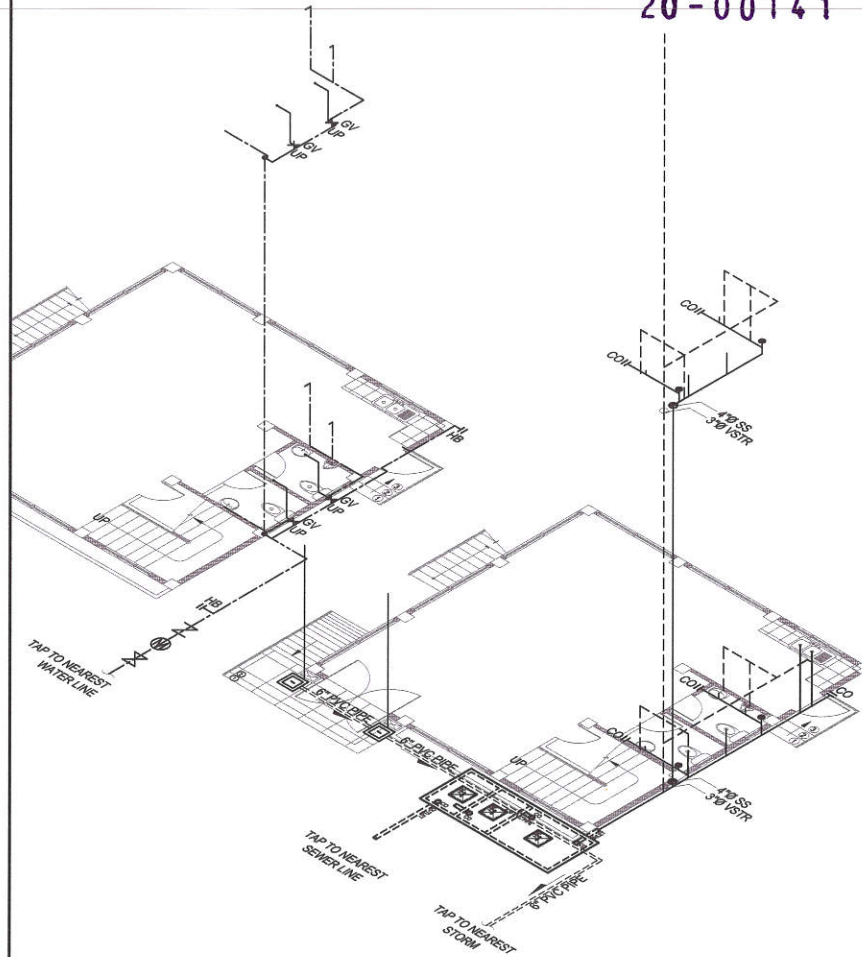
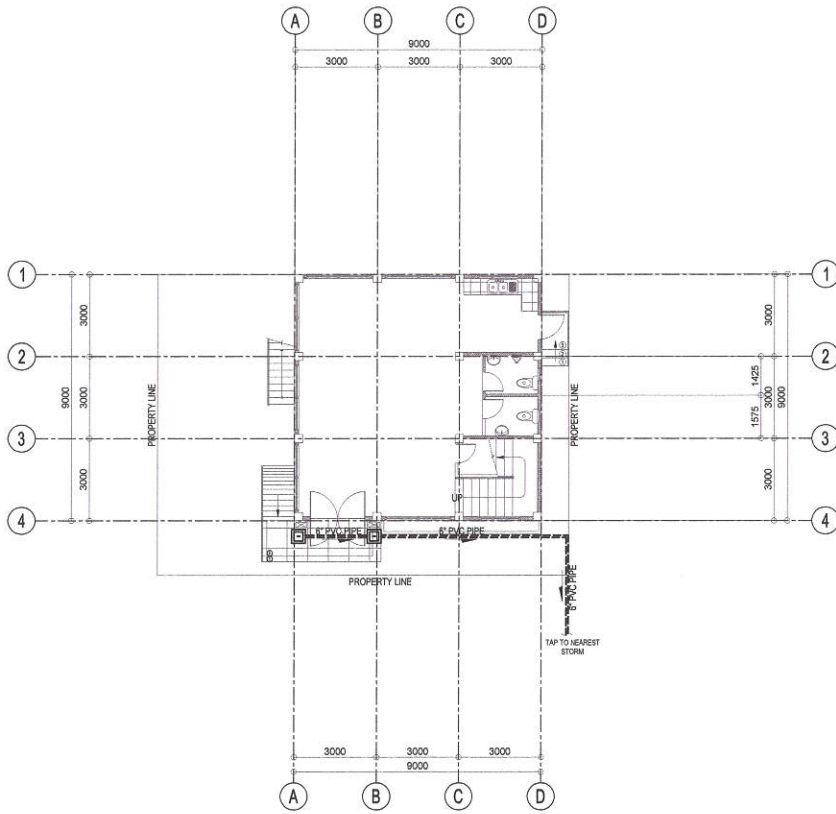
APPROVED BY:

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

SHEET CONTENTS:
GROUND FLOOR SEWER
LINE LAYOUT, SECOND
FLOOR SEWER
LINE LAYOUT

SHEET NO.
PL-03

20-00141



1 STORM DRAINAGE LAYOUT

SCALE: 1:100 METERS

2 ISOMETRIC LAYOUT

SCALE: 1:100 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED CONSTRUCTION
OF TWO (2) STOREY MULTI
PURPOSE HALL / SK HALL**

LOCATION: BARANGAY UP VILLAGE, DISTRICT 5, QUEZON CITY

DRAWN BY: D.A.A.
DATE:
CHECKED BY:
REVISION NO.:

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

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

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

SHEET CONTENTS:
STORM DRAINAGE
LAYOUT,
ISOMETRIC LAYOUT

SHEET NO.
PL-04