1 KEY PLAN

NOT TO SCLAE

FLOOR PLAN

DECK PLAN

2 GUARD HOUSE 1 FLOOR PLANS

SCALE 1:30 METERS

FLOOR PLAN

DECK PLAN

3 GUARD HOUSE 2 FLOOR PLANS

SCALE 1:30 METERS

7 TYPICAL SECTION OF GUARD HOUSE

SCALE 1:30 METERS

4 FRONT ELEVATION (GH1)

SCALE 1:30 METERS

5 LEFT SIDE ELEVATION (GH1)

SCALE 1:30 METERS

6 RIGHT SIDE ELEVATION (GH1)

SCALE 1:30 METERS

8 FRONT ELEVATION (GH2)

SCALE 1:30 METERS

9 LEFT SIDE ELEVATION (GH2)

SCALE 1:30 METERS

10 RIGHT SIDE ELEVATION (GH2)

SCALE 1:30 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER, G.ALINO, BRGY. BAGBAG, QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL:

AR. LUCILLE H. CHUA, uap,piep
CITY ARCHITECT

ENGR. ISABANI R. VERZOSA JR.
OIC CITY ENGINEER

APPROVED BY

HON. MA. JOSEFINA G. BELMONTE
MAYOR, Q.C.

PROJECT TITLE:

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:

KEY PLAN
GUARD HOUSE 1 FLOOR PLAN
GUARD HOUSE 2 FLOOR PLAN
TYPICAL SECTION OF GUARD HOUSE
GUARD HOUSE 1 ELEVATION
SCHEDULE OF DOORS & WINDOWS
GUARD HOUSE 2 ELEVATION

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. EVR
DESIGNED BY	Ar. RRP/Ar. VCL/Ar. EMC
CHECKED BY	Ar. R.G. Rosuna

SHEET NO.: AR-51

1 GATE & FENCE DETAIL

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

2 GATE & FENCE DETAIL

3 PUMP HOUSE FLOOR PLAN

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

4 PUMP HOUSE DECK PLAN

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

5 SECTION OF PUMP HOUSE

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

6 FRONT ELEVATION

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

7 LEFT SIDE ELEVATION

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

8 RIGHT SIDE ELEVATION

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CMO CENTER - D. SERO Bldg, QUEZON CITY HALL COMPOUND
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL:

AR. LUCILLE H. CHUA, uap,piep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA JR.
OIC CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
OIC
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG NOVALICHES, QC

SHEET CONTENTS:
SCHEDULE OF DOORS & WINDOWS
GATE & FENCE DETAIL
PUMP HOUSE FLOOR PLAN
PUMP HOUSE DECK PLAN
SECTION OF PUMP HOUSE
FRONT ELEVATION
LEFT SIDE ELEVATION
RIGHT SIDE ELEVATION

PROJECT NO.:	
DATE	August 2019
DRAWN BY	Ar. EMR / acsb
DESIGNED BY	Ar.RRP/Ar.VCL/Ar.EMR
CHECKED BY	Ar. R.G. Resume

SHEET NO.: AR-52

1 SIDEWALK 1 PLAN

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

2 SIDEWALK 2 PLAN

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

3 SIDEWALK 3 PLAN

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

4 SIDEWALK 4 PLAN

SCALE 1:150 METERS (24 x 36)
SCALE 1:300 METERS(A3)

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - DIBEG Bldg. QUEZON CITY 4A,1 COMPOUND,
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL:

AR. LUCILLE H. CHUA, uap,piep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA JR.
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG, NOVAL CHER, QC.

SHEET CONTENTS:
SIDEWALK 1 PLAN
SIDEWALK 2 PLAN
SIDEWALK 3 PLAN
SIDEWALK 4 PLAN

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. EMR Jacsb
DESIGNED BY	Ar RRP/Ar VOLR/Ar EMR
CHECKED BY	Ar R.G Resurreccion

SHEET NO.: AR-53

STRUCTURAL NOTES & SPECIFICATIONS

ALL STRUCTURAL MILD STEEL SECTIONS, BUILT UP PLATE SECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH ASCS LATEST "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

- DESIGN LOADS FOR BUILDINGS SHALL MEET THE REQUIREMENTS OF STRUCTURAL DESIGN CRITERIA.
- STEEL PLATES, SHAPES, BARS AND METAL FABRICATIONS, ASTM A36
- STRUCTURAL BOLTS AND NUTS:
  ASTM A325 GALVANIZED 7/8" Ø AND BELOW.
  A490 1" Ø AND ABOVE
- ELECTRODES FOR WELDING ASTM A233 E70XX SERIES. COMPLY WITH AWS D1.1 CODE REQUIREMENTS.
  FLAME CUTTING AND WELDING SHALL BE DONE IN ACCORDANCE WITH LATEST "STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY
- ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS AND SHALL BE PROPERLY BACK-CHIPPED OR GOUGED. BACK-UP PLATES SHALL BE PROVIDED AS REQUIRED
- APPLY TT-P-645 SHOP PAINT FOR ALL FABRICATIONS
- SHOP PAINTING FOR STRUCTURAL STEEL SHALL BE RUST INHIBITIVE PRIMER WITH MINIMUM DFT OF 2.0 MILS.
- TOUCH UP PAINTING: APPLY PAINT TO EXPOSED AREAS IN A MANNER SATISFACTORY TO THE ENGINEER WITH SAME MATERIAL AS SHOP PAINT.
- COMPLY WITH AISC CODE AND SPECIFICATIONS FOR BEARING, ADEQUACY OF TEMPORARY CONNECTIONS AND ALIGNMENT.
- CONTRACTOR SHALL FURNISH COMPLETE ERECTION DRAWINGS FOR THE PROPER IDENTIFICATION AND ASSEMBLY OF ALL BUILDING COMPONENTS. THESE DRAWINGS WILL SHOW ANCHOR BOLT SETTING, PRIMARY, SECONDARY, AND ROOF FRAMING, AND NECESSARY INSTALLATION DETAILS. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.
- APPLICATION OF FIRE PROOFING SYSTEMS REQUIRED FOR ALL STRUCTURAL STEEL MEMBERS. PROVIDE 2 HOUR MINIMUM FIRE RATING. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR ADDITIONAL FIRE PROOFING REQUIREMENTS.

1 STRUCTURAL STEEL

SCHEDULE OF REINFORCING BARS (PNS - 49)

DIAMETER OF BARS	GRADE (fy)
Ø12 AND SMALLER	275 Mpa (Grade 40)
Ø16 TO Ø25	414 Mpa (Grade 60)

- BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINFORCING STEEL IF CONCURRENTLY ON SITE.
- IN GENERAL, BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. SPLICES SHALL BE SECURELY WIRED TOGETHER. STAGGER SPLICES AT LEAST 600mm. WHENEVER POSSIBLE IN BEAM BEARS AND SLABS SPLICE TOP BARS AT MIDSPAN AND BOTTOM BAR NEAR SUPPORT. SPLICE OF REINFORCEMENT SHALL BE MADE ONLY AS REQUIRED OR PERMITTED ON DESIGN DRAWINGS OR AS ALLOWED BY THE ACI CODE OR AS AUTHORIZED BY THE ENGINEER
- BARS NOTED AS "CONT" SHALL HAVE A MINIMUM SPLICE LENGTH OF 42 BAR DIA. BUT BAR DIAMETERS BUT NOT LESS THAN 500 mm. UNLESS OTHERWISE NOTED
- REINFORCING SHALL BE SPLICED ONLY AS INDICATED ON THE DRAWINGS.
- MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE

ITEM	COVER
CONCRETE CAST AGAINST EARTH	75 mm
EXPOSED TO EXTERIOR OR WEATHER	38 mm
FORMED SURFACE BELOW GRADE	50 mm
SLAB ON GRADE	50 mm
COLUMNS & BEAMS	38 mm
STRUCTURAL SLABS TOP & BOTTOM/FOOTING	25 mm

- ANY WELDING TO BE PERFORMED MUST HAVE PRIOR WRITTEN APPROVAL OF THE ENGR.
- WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4-79 "AWS STRUCTURAL WELDING CODE - REINFORCING STEEL" OF THE AMERICAN WELDING SOCIETY. REINFORCING STEEL WHICH IS WELDED SHALL CONFORM TO ASTM A 706. REINFORCING STEEL NOT CONFORMING TO ASTM A 706 MAY BE USED IF MATERIAL PROPERTIES OF THE REINFORCING STEEL CONFORM TO AWS D1.4-79.
- WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A-185. WELDED WIRE FABRIC IN SUSPENDED SLABS SHALL HAVE TYPE 60 SELF LAP (152 MM) MINIMUM OR ONE FULL MESH, WHICHEVER IS GREATER FOR SLABS ON GRADE.
- SHOP DRAWINGS : THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL PREPARED IN ACCORDANCE WITH ACI 315. INDICATE BENDING DIAGRAM, ASSEMBLY DIAGRAM, SPLICING AND LAPS OF RODS AND SHAPES, DIMENSIONS AND DETAILS FOR FORMS FOR REINFORCING BARS.
- ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.

2 REINFORCING STEEL

- FORMS SHALL BE PROVIDED FOR ALL CONCRETE INDICATED UNLESS SPECIFIED OTHERWISE. FORMS SHALL BE SUFFICIENTLY TIGHT TO PREVENT LOSS OF MORTAR AND MAINTAINED SO AS TO INSURE CONFORMITY WITH THE ALLOWABLE TOLERANCES SPECIFIED AND SHALL BE MORTAR TIGHT
- FORMS AND THEIR SUPPORTS SHALL BE DESIGNED SO AS NOT TO DAMAGE PREVIOUSLY PLACED STRUCTURE.
- NO CONSTRUCTION LOAD SHALL BE SUPPORTED ON, NOR ANY SHORING REMOVED FROM ANY PART OF STRUCTURE UNDER CONSTRUCTION, EXCEPT WHEN THAT PORTION OF THE STRUCTURE IN COMBINATION WITH THE REMAINING FORMING AND SHORING SYSTEM HAS STRENGTH TO SUPPORT SAFELY ITS WEIGHT AND THE ADDITIONAL IMPOSED LOADS.
- FORMS SHALL BE REMOVED IN SUCH MANNER AS NOT TO IMPAIR SAFETY AND SERVICEABILITY OF THE STRUCTURE

SCHEDULE OF STRIPPING OF FORMS AND SHORES

ITEMS	TIME
FOUNDATION	24 HRS
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	14 DAYS
COLUMNS / WALLS	12 DAYS
BEAMS	14 DAYS

3 FORMWORKS

SCHEDULE OF STRUCTURAL CONCRETE
28-DAY COMPRESSIVE STRENGTH AND TYPES

LOCATION	STRUCTURAL ELEMENTS	28-DAY COMPRESSIVE STRENGTH	DENSITY	MAX SLUMP
ALL FLOORS	COLUMNS, BEAMS, SLABS, RC WALL, FOOTING	4000 psi (UNLESS NOTED OTHERWISE)	150 PCF	4"(100mm)
GROUND	SLAB ON GRADE, WALL FOOTING	3000 psi	150 PCF	4"(100mm)

- UNFORM ARCHITECT/ENGINEERS OF OTHER MISCELLANEOUS CONCRETE STRUCTURAL ELEMENTS NOT SHOWN ABOVE TO DETERMINE THEIR RESPECTIVE COMPRESSIVE STRENGTHS

SCHEDULE OF CONCRETE AGGREGATES

ITEMS	AGGREGATE SIZE
SLABS, BEAMS, COLUMNS	3/4" (19 mm)
CURBS & MASS CONCRETE	1" (25 mm)

- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION CODE OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-94)
- LOCATION OF ALL CONSTRUCTION OR COLD JOINTS MUST BE APPROVED BY THE ENGINEER/ARCHITECT.
- PIPE OR DUCTS EXCEED NO ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
- REINFORCING BARS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURELY PLACED BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDED ACI PRACTICE
- ALL INSERTS, ANCHOR BOLTS, PLATES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE HOT DIP GALVANIZED UNLESS NOTED OTHERWISE
- IN GENERAL, THE LATEST EDITION OF (MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES) ACI 315, SHALL BE ADHERED TO UNLESS SHOWN OTHERWISE
- USE OF ADMIXTURES IS PERMITTED TO PRODUCE PROPER SLUMP AND WORKABILITY BUT SUBJECT TO THE ENGINEER'S APPROVAL. ADDITION OF WATER TO CONCRETE AT JOBSITE SHOULD NOT BE ALLOWED

4 REINFORCED CONC. NOTES

MASONRY WALLS

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE APPLICABLE STANDARDS & SPECIFICATIONS OF THE STRUCTURAL CODES OF THE PHILIPPINES, EXCEPT WHEN EXCEEDED BY THE SPECIFICATIONS SHOWN ON THE DRAWINGS.
2. MORTAR SHALL BE MADE OF CONCRETE MASONRY SHALL CONSIST OF THE FOLLOWING:
   2.1 ONE (1) PORTLAND CEMENT
   2.2 ONE (1) MINIMUM OF 28 DAYS STRENGTH AND SHALL CONFORM TO ASTM C-150
3. ALL CONCRETE SHALL BE NO 2000 PSI. THE CONCRETE MUST BE CONSTANT AND CONTINUOUS
4. ALL CELLS ESPECIALLY NOTED AS REINFORCED CONCRETE SHALL BE FILLED WITH MORTAR
5. REINFORCEMENT FOR MASONRY WALLS SHALL BE PROVIDED AS SHOWN ON THE STRUCTURAL DRAWINGS OR AS SPECIFIED ON THE PLAN
6. ALL MASONRY WALLS SHALL BE PROVIDED WITH REINFORCEMENT AS FOLLOWS AS REQUIRED:
   6.A FOR MASONRY WALLS EXCEEDING 2.0 m BETWEEN COLUMNS, USE 2 - 10 mm Ø REINFORCEMENT
   6.B FOR DOORS & WINDOWS OPENINGS, USE 2 - 10 mm Ø REINFORCEMENT

5 MASONRY WALL

- GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS SHALL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED.
- FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT FOR SIMILAR CONDITIONS, MODIFY TYPICAL DETAILS AS REQUIRED TO MEET SPECIAL CONDITIONS.
- THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK OR DURING CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST APPLICABLE STANDARDS OR SPECIFICATIONS. ALL WORKS SHALL CONFORM WITH THE BEST PRACTICE PREVAILING IN THE VARIOUS TRADES.
- INSPECTION: ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION. EXAMINATION AND TESTING BY THE ENGINEER/ARCHITECT. THE ENGINEER/ARCHITECT SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.
- UNLESS SPECIFICALLY DETAILED ELSEWHERE CONTRACTOR SHALL FOLLOW TYPICAL DETAILS AS SHOWN IN THESE DRAWINGS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO INSURE THE INSTALLATION OF ALL WORK WITHIN THE AVAILABLE SPACE.
- DO NOT SCALE DRAWINGS, CALLED OUT DIMENSIONS AND STANDARD CODE REQUIREMENTS SHALL GOVERN OVER UNSCALED DRAWINGS.
- SPECIAL NOTED DIMENSIONS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS SHALL BE USED TO DEFINE DETAIL CONFIGURATIONS, ELEVATIONS, OPENINGS, JOINTS, SLOPES, ETC.
- THE CONTRACTOR IS GIVEN THE OPTION TO UTILIZE ALTERNATIVE METHODS OF DESIGN AND ALTERNATIVE METHOD OF CONSTRUCTION AS DEEMED SUITABLE PROVIDE THAT SUCH OPTION IS IN CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND IS COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS.

6 GENERAL NOTES

HOOK BAR DEVELOPMENT LENGTH (Ldh) SCHEDULE (INCHES)

BAR SIZE	ALL MEMBERS UNO			CONCRETE WALLS AND DIAPHRAGMS		
	f'c = 3000psi	f'c = 4000psi	f'c = 5000psi	f'c = 3000psi	f'c = 4000psi	f'c = 5000psi
10	6	6	6	7	6	6
12	8	7	6	9	8	7
16	10	9	8	11	10	9
20	12	10	9	13	11	10
22	14	12	11	15	13	12
25	16	14	12	17	15	14
28	18	15	14	20	17	15
32	20	17	16	22	19	17
36	22	19	17	24	21	19

- THESE DEVELOPMENT LENGTHS APPLY TO REGULAR WEIGHT CONCRETE. MULTIPLY THE SPECIFIED DEVELOPMENT LENGTH BY 1.3 FOR LIGHTWEIGHT CONCRETE
- THE DEVELOPMENT LENGTHS SPECIFIED FOR "CONCRETE WALLS & DIAPHRAGMS" ARE APPLICABLE IF THE HOOKED BAR IS WITHIN THE CONFINED CONCRETE CORE OF A BOUNDARY MEMBER.
- REFER TO SECTION FOR ADDITIONAL REQUIREMENTS FOR "ALL OTHER MEMBERS"

7 HOOKED BAR DEVELOPMENT LENGTH (Ld) SCHEDULE

- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300mm CONCRETE CAST IN THE MEMBER BELOW THE REINFORCEMENT
- THESE BAR DEVELOPMENT LENGTHS APPLY TO REGULAR WEIGHT CONCRETE. MULTIPLY THE SPECIFIED DEVELOPMENT LENGTH BY 1.3 FOR LIGHTWEIGHT CONCRETE.
- ALL DETAILING OF REINFORCEMENT SHALL COMPLY WITH THIS SCHEDULE UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE DRAWINGS.
- db INDICATES DIAMETER OF THE BAR.
- LENGTHS SHOWN UNDER CONDITION 1 SHALL BE USED WHERE ANY ONE OF THE FOLLOWING IS SATISFIED:
  A. BEAM AND COLUMN BARS WHERE "BAR SPACING ≥4db"
  B. INNER LAYER OF SLAB OR WALL REINFORCEMENT WHERE "BAR SPACING ≥6db"
  C. ANY REINF. WHERE "BAR COVER ≥2db" AND "BAR SPACING ≥4db".
- LENGTHS SHOWN UNDER CONDITION 2 SHALL BE USED WHERE "BAR COVER ≥2db" OR "BAR SPACING ≥6db".
- LENGTHS SHOWN UNDER CONDITION 3 SHALL BE USED WHERE CONDITION 1 OR 2 ARE NOT SATISFIED.
- IF "BAR SPACING ≥6db" AND "BAR COVER ≥2.5db" USE 80% OF LENGTH SPECIFIED IN SCHEDULE ABOVE.
- USE CLASS "A" SPLICES UNO. AT CLASS "B" SPLICES ONE HALF OR LESS OF THE TOTAL REINFORCEMENT. REINFORCEMENT IS SPLICED WITHIN THE REQUIRED LAP LENGTH.
- FOR CLASS "A" SPLICES USE SAME VALUES AS FOR LD
- SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZES BARS
- AT CONCRETE WALLS SPLICES IN HORIZONTAL REINFORCEMENT SHALL BE STAGGERED
- AT CONCRETE WALLS SPLICES IN TWO CURTAINS, WHERE USED, SHALL NOT OCCUR IN THE SAME LOCATION.
- AT FOOTING DOWELS SHALL HAVE CLASS "B" LAP SPLICE AT VERTICAL WALL/COLUMN BARS (STAGGER DOWEL HEIGHTS)

8 BAR DEVELOPMENT LENGTH (Ld) SCHEDULE

CLASS "B" LAP SPLICE SCHEDULE (Ld) (INCHES)

MEMBER TYPE	BAR SIZES	f'c = 3000 psi				f'c = 4000 psi				f'c = 5000 psi			
		CONDITION 1		CONDITION 2		CONDITION 3		CONDITION 1		CONDITION 2		CONDITION 3	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
ALL MEMBERS (UNO)	10	17	13	17	13	17	13	14	12	14	12	14	12
	12	22	17	23	18	23	17	19	15	20	15	19	15
	16	27	21	36	27	27	21	24	18	31	24	24	18
	20	33	25	51	38	36	25	28	22	44	34	31	24
	22	38	29	61	53	48	37	33	25	60	46	42	32
	25	45	35	90	69	65	49	39	30	78	60	55	42
	28	57	44	114	88	80	62	50	38	99	76	69	53
	32	73	56	145	111	101	78	63	49	125	97	88	68
	36	89	69	175	137	105	96	77	59	154	119	108	83
CONCRETE WALLS AND DIAPHRAGMS	10	23	18	23	18	23	18	21	15	21	15	21	15
	12	30	23	30	23	30	23	26	19	26	19	26	19
	16	37	27	47	37	37	27	32	25	32	24	32	23
	20	45	32	45	37	45	32	39	28	39	28	39	25
	22	52	37	52	37	50	37	45	32	45	32	45	32
	25	59	45	64	45	59	43	52	37	57	37	52	37
	28	67	49	67	48	67	48	58	42	58	42	58	42
	32	75	54	75	54	75	54	65	47	65	47	65	47
	36	84	60	84	60	84	60	73	52	73	52	73	52

MEMBER TYPE	BAR SIZES	f'c = 3000 psi				f'c = 4000 psi				f'c = 5000 psi			
		CONDITION 1		CONDITION 2		CONDITION 3		CONDITION 1		CONDITION 2		CONDITION 3	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
ALL MEMBERS (UNO)	10	21	17	21	17	21	17	18	16	19	16	19	16
	12	28	22	30	23	28	22	25	19	26	20	25	19
	16	35	27	46	35	36	27	31	24	42	31	31	24
	20	42	33	68	51	46	36	37	28	57	44	40	31
	22	49	38	90	67	63	47	43	33	78	60	54	42
	25	59	45	117	90	82	63	51	39	101	78	71	55
	28	74	57	148	114	104	80	65	50	129	99	90	69
	32	94	73	188	145	132	101	82	63	163	125	114	88
	36	116	88	232	178	162	125	101	77	201	154	141	108
CONCRETE WALLS AND DIAPHRAGMS	10	26	21	29	21	29	21	23	20	23	20	23	20
	12	29	24	39	28	39	28	34	24	34	24	34	24
	16	46	35	46	35	43	35	40	30	42	30	42	30
	20	58	42	58	42	58	42	50	36	50	36	50	36
	22	68	48	68	48	68	48	59	42	59	42	59	42
	25	77	55	77	55	77	55	67	48	67	48	67	48
	28	87	62	87	62	87	62	75	54	75	54	75	54
	32	98	70	98	70	98	70	85	61	85	61	85	61
	36	109	78	109	78	109	78	94	67	94	67	94	67

MINIMUM 2 WIRE TIES AT ALL SPLICES PROJECTING FROM FOOTINGS TYP.

- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300mm CONCRETE CAST IN THE MEMBER BELOW THE REINFORCEMENT
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- IF "BAR SPACING ≥6db" AND "BAR COVER ≥2.5db" USE 80% OF LENGTH SPECIFIED IN SCHEDULE ABOVE
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- SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZES BARS
- AT CONCRETE WALLS SPLICES IN HORIZONTAL REINFORCEMENT SHALL BE STAGGERED
- AT CONCRETE WALLS SPLICES IN TWO CURTAINS, WHERE USED, SHALL NOT OCCUR IN THE SAME LOCATION.
- AT FOOTING DOWELS SHALL HAVE CLASS "B" LAP SPLICE AT VERTICAL WALL/COLUMN BARS (STAGGER DOWEL HEIGHTS)

9 REINFORCEMENT LAP SPLICE DET.

10 BAR BENDING DETAIL

Republika ng Pilipinas, Lungsod ng Quezon, CITY ARCHITECT DEPARTMENT, BFGAS CENTER - D. SERGIO OSMEÑA, QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY	PROVISO:	RECOMMENDING APPROVAL: ARCH. LUCILLE H. CHUA, fuap, pep., CITY ARCHITECT	APPROVED BY: ENGR. ISAGANI R. VERZOSA, JR, CIC, CITY ENGINEER; HON. MA. JOSEFINA G. BELMONTE, MAYOR	PROJECT TITLE: PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT — LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:	PROJECT NO.:	SHEET NO.:
GENERAL NOTES AND SPECIFICATIONS	DATE: August 2019; DRAWN BY: Ar. S.V.N.S.; DESIGNED BY: Engr./R.E. Debalocos Jr.; CHECKED BY: Engr./R.E. Debalocos Jr.	ST-01

SCHEDULE OF FOOTINGS

MARK	DIMENSION (mm) B	L	t	MAIN REINFORCEMENTS ALONG B	ALONG L	TOP BARS ALONG B	ALONG L	BOF ELEVATION mm	REMARKS
F1'	5000	15000	500	100 - 25 mmØ	34 - 25 mmØ	50 - 16 mmØ	17 - 16 mmØ	- 5000	COMBINED FOOTING
F2'	4500	13500	475	90 - 25 mmØ	30 - 25 mmØ	45 - 16 mmØ	15 - 16 mmØ	- 5000	COMBINED FOOTING
F1	5000	5000	500	34 - 25 mmØ	34 - 25 mmØ	17 - 16 mmØ	17 - 16 mmØ	- 5000	ISOLATED FOOTING
F2	4500	4500	475	30 - 25 mmØ	30 - 25 mmØ	15 - 16 mmØ	15 - 16 mmØ	- 5000	ISOLATED FOOTING
F3	4000	4000	450	26 - 25 mmØ	26 - 25 mmØ	13 - 16 mmØ	13 - 16 mmØ	- 5000	ISOLATED FOOTING
F4	2500	2500	425	16 - 25 mmØ	16 - 25 mmØ	12 - 16 mmØ	12 - 16 mmØ	- 4000	ISOLATED FOOTING
F5	2000	2000	400	13 - 20 mmØ	13 - 25 mmØ	6 - 12 mmØ	6 - 12 mmØ	- 4000	ISOLATED FOOTING
F6	1800	1800	350	12 - 20 mmØ	12 - 20 mmØ	5 - 12 mmØ	5 - 12 mmØ	- 4000	ISOLATED FOOTING

NOTE:
fc'= 4,000 psi CONCRETE STRENGTH

NOT TO SCALE

1 SCHEDULE OF FOOTING

SCHEDULE OF CONCRETE COLUMN

MARK	C1	C2	C3	C4	C5	C6
COLUMN SIZE	750 x 750	700 x 700	650 x 650	600 x 600	550 x 550	500 x 500
VERTICAL BARS	28 - 25mmØ	24 - 25mmØ	20 - 25mmØ	16 - 25mmØ	12 - 25mmØ	10 - 20mmØ
TIES SPACING	3 - 12mmØ, 1 @ 50, 4 @ 100mm REST @ 200mm O.C.	3 - 10mmØ, 1 @ 50, 4 @ 100mm REST @ 200mm O.C.	3 - 10mmØ, 1 @ 50, 4 @ 100mm REST @ 200mm O.C.	3 - 10mmØ, 1 @ 50, 4 @ 100mm REST @ 200mm O.C.	2 - 10mmØ, 1 @ 50, 4 @ 100mm REST @ 200mm O.C.	1 - 10mmØ, 1 @ 50, 4 @ 100mm REST @ 200mm O.C.

NOTE:
fc'= 4,000 psi CONCRETE STRENGTH

SCALE 1:25METERS

2 CONCRETE COLUMN SCHEDULE

BASEPLATE & ANCHOR BOLT SCHEDULE

	BP-1	BP-2	BP-3	BP-4	BP-5
DIMENSION	700 X 700 X 38mm	650 X 650 X 38mm	600 X 600 X 32mm	550 X 550 X 32mm	500 X 500 X 25mm
ANCHOR BOLT	8 - 38mmØ L = 700mm (A-325)	6 - 38mmØ L = 700mm (A-325)	6 - 32mmØ L = 650mm (A-325)	6 - 32mmØ L = 600mm (A-325)	6 - 25mmØ L = 500mm (A-325)

3 BASEPLATE & ANCHOR BOLT SCHEDULE

SCALE 1:25METERS

SCHEDULE OF STEEL COLUMN

FLOOR	COLUMN MARK	DIMENSIONS (mm) D	Bf	tf	tw	W (Kg/m)
GROUND TO 2ND FLOOR	GC1 / 2C1 (W 14 x 426) lb/ft	474.20	424.10	77.10	47.60	634.34
	GC2 / 2C2 / PC1 (W 14 x 370) lb/ft	455.20	418.50	67.60	42.00	553.14
	GC3 / 2C3 / PC2 (W 14 x 283) lb/ft	425.20	409.20	52.60	32.80	422.73
	GC4 / 2C4 (W 14 x 211) lb/ft	395.30	401.30	39.60	24.90	314.83
	GC5 / 2C5 / PC3 (W 14 x 193) lb/ft	393.20	399.08	36.60	22.60	288.24
	GC6 / 2C6 (W 14 x 145) lb/ft	375.40	393.70	27.70	17.30	216.69
3RD TO 4TH FLOOR	3C1 / 4C1 (W 14x283) lb/ft	425.20	409.20	52.60	32.80	422.73
	3C2 / 4C2 (W 14x211) lb/ft	399.30	401.30	39.60	24.90	314.83
	3C3 / 4C3 (W 14x193) lb/ft	393.20	399.08	36.60	22.60	288.24
	3C4 / 4C4 (W 14x145) lb/ft	375.40	393.70	27.70	17.30	216.69
	3C5 / 4C5 (W 14x120) lb/ft	367.80	372.60	23.90	15.00	179.14
	3C6 / 4C6 (W 14x109) lb/ft	363.70	371.00	21.80	13.30	162.39
5TH TO 7TH FLOOR	5C1 / 6C1 / 7C1 (W 14x211) lb/ft	399.30	401.30	39.60	24.90	314.83
	5C2 / 6C2 / 7C2 (W 14x193) lb/ft	393.20	399.08	36.60	22.60	288.24
	5C3 / 6C3 / 7C3 (W 14x145) lb/ft	375.40	393.70	27.70	17.30	216.69
	5C4 / 6C4 / 7C4 (W 14x120) lb/ft	357.80	372.60	23.90	15.00	179.14
	5C5 / 6C5 / 7C5 (W 14x109) lb/ft	363.70	371.00	21.80	13.30	162.39
	5C6 / 6C6 / 7C6 (W 14x82) lb/ft	363.50	257.30	21.70	13.00	122.30
8TH 9TH FLOOR	8C1 (W 14x193) lb/ft	393.20	399.08	36.60	22.60	288.24
	9C1 (W 14x283) lb/ft	425.20	409.20	52.60	32.80	422.73
	8C2 / 9C2 (W 14x145) lb/ft	375.40	393.70	27.70	17.30	216.69
	8C3 / 9C3 (W 14x120) lb/ft	367.80	372.60	23.90	15.00	179.14
	8C4 / 9C4 / PC4 (W 14x109) lb/ft	363.70	371.00	21.80	13.30	162.39
	8C5 / 9C5 / PC5 (W 14x82) lb/ft	363.50	257.30	21.70	13.00	122.30
	8C6 / 9C6 (W 12x65) lb/ft	307.80	304.80	15.40	9.90	96.93
DECK	DC / PC6 (W 10x49) lb/ft	253.50	254.00	14.20	8.50	73.07

4 STEEL COLUMN SCHEDULE

SCHEDULE OF STEEL BEAM

FLOOR	BEAM MARK	DIMENSIONS (mm) D	Bf	tf	tw	W (Kg/m)
GROUND TO 2ND FLOOR	GB1 / 2B1 (W 24 x 192) lb/ft	646.90	328.90	37.10	20.60	283.73
	GB2 / 2B2 (W 24 x 162) lb/ft	635.00	329.10	31.00	17.90	242.36
	GB3 / 2B3 (W 21 x 147) lb/ft	560.30	317.80	29.20	18.30	219.23
	GB4 / 2B4 (W 21 x 127) lb/ft	539.50	331.75	25.00	14.97	189.00
	GB5 / 2B5 (W 21 x 111) lb/ft	546.40	313.40	22.20	14.00	165.95
	GB6 / 2B6 (W 14 x 74) lb/ft	359.90	255.83	19.00	11.40	110.63
	GB7 / 2B7 (W 12 x 36) lb/ft	300.00	167.00	13.72	7.75	90.78
3RD TO 4TH FLOOR	3B1 / 4B1 (W 24 x 192) lb/ft	635.00	329.10	31.00	17.90	242.36
	3B2 / 4B2 (W 21 x 147) lb/ft	560.30	317.80	29.20	18.30	219.23
	3B3 / 4B3 (W 21 x 127) lb/ft	539.50	331.75	25.02	14.97	189.00
	3B4 / 4B4 (W 21 x 111) lb/ft	546.40	313.40	22.20	14.00	165.95
	3B5 / 4B5 (W 18 x 97) lb/ft	472.20	283.10	22.10	13.30	144.63
	3B6 / 4B6 (W 12 x 65) lb/ft	307.80	304.80	15.40	9.90	96.93
	3B7 / 4B7 (W 12 x 27) lb/ft	300.00	165.10	10.16	6.10	40.18
5TH TO 7TH FLOOR	5B1 / 6B1 / 7B1 (W 21 x 147) lb/ft	560.30	317.80	29.20	18.30	219.23
	5B2 / 6B2 / 7B2 (W 21 x 111) lb/ft	546.40	313.40	22.20	14.00	165.95
	5B3 / 6B3 / 7B3 (W 18 x 97) lb/ft	472.20	283.10	22.10	13.30	144.63
	5B4 / 6B4 / 7B4 (W 14 x 74) lb/ft	359.90	255.80	15.90	11.40	110.63
	5B5 / 6B5 / 7B5 (W 12 x 65) lb/ft	307.80	304.80	15.40	9.90	96.93
	5B6 / 6B6 / 7B6 (W 12 x 45) lb/ft	300.00	204.00	8.53	14.63	66.99
	5B7 / 6B7 / 7B7 (W 12 x 27) lb/ft	300.00	165.10	10.16	6.10	40.18
8TH TO 9TH FLOOR	8B1 / 9B1 (W 21 x 147) lb/ft	560.30	317.80	29.20	18.30	219.23
	8B2 / 9B2 (W 21 x 111) lb/ft	546.40	313.40	22.20	14.00	165.95
	8B3 / 9B3 (W 18 x 97) lb/ft	472.20	283.10	22.10	13.60	144.63
	8B4 / 9B4 (W 14 x 74) lb/ft	359.90	255.83	19.00	11.40	110.63
	8B5 / 9B5 (W 12 x 65) lb/ft	307.80	304.80	15.40	9.90	96.93
	8B6 / 9B6 (W 12 x 45) lb/ft	300.00	204.00	8.53	14.63	66.99
	8B7 / 9B7 (W 12 x 27) lb/ft	300.00	165.10	10.16	6.10	40.18
ROOF DECK	DB1 (W 24x207) lb/ft	653.00	336.50	39.90	22.10	308.33
	DB2 (W 21x101) lb/ft	548.40	313.40	22.20	14.00	165.95
	DB3 (W 18x97) lb/ft	472.20	283.10	22.10	13.90	144.63
	DB4 (W 14x74) lb/ft	359.90	255.80	19.90	11.40	110.63
	DB5 / RB (W 12x65) lb/ft	302.80	259.90	16.40	9.50	96.93
	DB6 (W 12x45) lb/ft	306.00	204.00	8.53	14.63	66.99
	DB7 (W 12x27) lb/ft	320.00	165.10	10.16	6.10	40.18
UPPER DECK	UDB1 (W 12x45) lb/ft	302.30	204.30	8.50	14.60	66.99
	UDB2 (W 12x27) lb/ft	300.00	165.10	10.16	6.10	40.18
	UDB3 (W 10x12) lb/ft	250.70	100.60	5.30	4.60	17.97

5 STEEL BEAM SCHEDULE

DETAIL OF RW - 1 / RWF - 1

NOTE:
fc'= 4,000 psi CONCRETE STRENGTH
GRADE 40 = 16mmØ
GRADE 60= 25mmØ

DETAIL OF RW - 2 / RWF - 2

NOT TO SCALE

6 RETAINING WALL DETAIL

NOT TO SCALE

7 WALL FOOTING DETAIL

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CITY ARCHITECT DEPARTMENT
9F CNC CENTER - 0 BRC, Bldg. QUEZON CITY HALL COMPOUND, ELL PITCAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Dep. pep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION : BRGY. BAGBAG, NOVALICHES QC

SHEET CONTENTS :
SCHEDULE OF FOOTING
CONCRETE COLUMN SCHEDULE
BASE PLATE & ANCHOR BOLT SCHEDULE
STEEL COLUMN SCHEDULE
STEEL BEAM SCHEDULE
RETAINING WALL DETAIL
WALL FOOTING DETAIL

PROJECT NO.:	
DATE	October 2019
DRAWN BY	Ar. S.V.N.S.L.
DESIGNED BY	Engr. R.E. Dela Rosa, Jr.
CHECKED BY	Engr. R.E. Dela Rosa, Jr.

SHEET NO.: ST-02

NOTES :

1. ALL CONNECTIONS ARE FULL WELDS
2. THICKNESS OF SHEAR PLATE SAME AS THAT OF CONNECTING COLUMN FLANGE
3. PROVIDE STIFFENER PLATE AT BEAM & COLUMN 300mm O.C. THICKNESS SAME AS THAT OF CONNECTING WEB
4. THICKNESS OF MOMENT PLATE IS SAME AS THAT OF CONNECTING BEAM FLANGE.
5. ONE SIDED CONNECTION IS SHOWN, TWO SIDED IS SIMILAR

1 TYPICAL BEAM TO COLUMN CONNECTION 1

NOT TO SCALE

2 TYPICAL BEAM TO COLUMN CONNECTION 2

NOT TO SCALE

3 TYPICAL BEAM TO BEAM CONNECTION

NOT TO SCALE

4 TYPICAL CONNECTION DETAIL OF PC TO BEAM

NOT TO SCALE

TYPICAL DETAIL OF ONE-WAY SLABS

TYPICAL DETAIL OF TWO-WAY SLAB

MARK	REINFORCEMENT		SHORT SPAN		LONG SPAN		REMARK
	MAIN BARS	TEMP	TOP BARS	BOT BARS	TOP BARS	BOT BARS	
S-1	12 @ 100	12 @ 150	300	150	150	300	TWO-WAY SLAB
S-2				150	150	150	ONE-WAY SLAB

5 CONCRETE SLAB DETAIL

NOT TO SCALE

ALONG GRID "5" & "8"

6 CONNECTION DETAIL ALONG GRID "5" & "8"

SCALE 1:25 METERS

ALONG GRID "E"

ALONG GRID "G"

7 CONNECTION DETAIL ALONG GRID "E" & "G"

SCALE 1:40 METERS

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - DEBRC Bldg., QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL:

ARCH. LUCILLE H. CHUA /Rep. prep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, Q.C.

SHEET CONTENTS:
TYPICAL BEAM TO COLUMN CONNECTION
TYPICAL CONNECTION DETAIL OF PC TO BEAM
CONCRETE SLAB DETAIL
CONNECTION DETAIL ALONG "5" & "8"
CONNECTION DETAIL ALONG "E" & "G"

PROJECT NO.:

DATE	August 2012
DRAWN BY	Ar. S.V.N.S.
DESIGNED BY	Engr. R.E. Bernardino
CHECKED BY	Engr. B.E. Debalocos, Jr.

SHEET NO.: ST-03

NOTES:

1. PROVIDE POLYETHYLENE SHEET (6mil) ON ALL SLAB ON FILL
2. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
3. FOR INTERIOR WALL USE 4" CHB
4. FOR EXTERIOR WALL USE 6" CHB
5. PROVIDE CONSTRUCTION JOINT @ EVERY 3m x 6m LENGTH OF SLAB
6. SEE DETAIL OF CONSTRUCTION JOINT

1 FOUNDATION PLAN

SCALE 1:100 METERS

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CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER - 2 BRO. Bldg., QUEZON CITY HALL COMPOUND, E. LIPTON ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Lscp, plep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES QC

SHEET CONTENTS :

FOUNDATION PLAN

PROJECT NO.:

DATE	October 2019
DRAWN BY	Ar. S. V. N. S.
DESIGNED BY	Engr. R.E. Debelleneos, Jr.
CHECKED BY	Engr. R.E. Debelleneos, Jr.

SHEET NO.

ST-04

NOTES:
1. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S. = TOP OF SLAB
7. T.O.B. = TOP OF BEAM

1 GROUND FLOOR FRAMING PLAN

SCALE 1:100 METERS

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D.BRO. BAGUIO, QUEZON CITY (HALL COMPOUND)
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:	RECOMMENDING APPROVAL		APPROVED BY :	PROJECT TITLE :	SHEET CONTENTS :	PROJECT NO.:	SHEET NO :
	ARCH. LUCILLE H. CHUA (Asst. Prep) CITY ARCHITECT	ENGR. ISAGANI R. VERZOSA, JR CIVIL CITY ENGINEER	HON. MA. JOSEFINA G. BELMONTE MAYOR, QC	PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT LOCATION : BRGY. BAGBAG, NOVALICHES, QC	GROUND FLOOR FRAMING PLAN	DATE: August 2019 DRAWN BY: Ar. S.V.N.S. DESIGNED BY: Engr. R.E.Dediaocos, Jr. CHECKED BY: Engr. R.E.Dediaocos, Jr.	ST-05

NOTES:

1. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S. = TOP OF SLAB
7. T.O.B. = TOP OF BEAM

1 SECOND FLOOR FRAMING PLAN

SCALE 1:100 METERS

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CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D (BRO. Eng), QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA /usp. pwp
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ENGR. ISAGANI R. VERZOSA, JR
DIC, CITY ENGINEER

APPROVED BY

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:

SECOND FLOOR FRAMING PLAN

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. S.V.N.S.
DESIGNED BY	Engr. R.E. [illegible]
CHECKED BY	Engr. K.E. [illegible]

SHEET NO.: **ST-06**

NOTES:

1. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S. = TOP OF SLAB
7. T.O.B. = TOP OF BEAM

1 THIRD FLOOR FRAMING PLAN

SCALE 1:100 METERS

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CITY ARCHITECT DEPARTMENT
SFDC CENTER - 3 BRG. BRGY. QUEZON CITY HALL COMPOUND
ELIPTICAL ROAD, DILIMAN QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA fuap, piep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR, QC

PROJECT TITLE

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION : BRGY. BAGBAG NOVALICHES, QC

SHEET CONTENTS :

THIRD FLOOR FRAMING PLAN

PROJECT NO.	
DATE	August 2019
DRAWN BY	A. S. VAN S.
DESIGNED BY	Engr. R.E. Debamocos, Jr.
CHECKED BY	Engr. R.E. Debamocos, Jr.

SHEET NO.

ST-07

NOTES:

1. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 8" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S = TOP OF SLAB
7. T.O.B = TOP OF BEAM

1 FOURTH FLOOR FRAMING PLAN

SCALE 1:100 METERS

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F DIVO CENTER - D.BRO BLDG, QUEZON CITY HALL COMPOUND
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA /Emp. picp
CITY ARCHITECT

ENGR. ISADANI R. VERZOSA, JR
OIC CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, QC.

SHEET CONTENTS:

FOURTH FLOOR FRAMING PLAN

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. S.Y.N.S.
DESIGNED BY	Engr. R.E. Dela Cruz
CHECKED BY	Engr. R.E. Dela Cruz

SHEET NO.: ST-08

NOTES

1. FOR WALL LAYOUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S. = TOP OF SLAB
7. T.O.B. = TOP OF BEAM

1 FIFTH FLOOR FRAMING PLAN

SCALE 1:100 METERS

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER - D.BRO. Bldg. QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA (Rep. plp)
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, QC.

SHEET CONTENTS:

FIFTH FLOOR FRAMING PLAN

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. S.V.N.S.
DESIGNED BY	Engr. R.E. Debalocos Jr.
CHECKED BY	Engr. R.E. Debalocos Jr.

SHEET NO.: ST-09

NOTES:
1. FOR WALL LAYOUT PLAN SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTHS WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S. = TOP OF SLAB
7. T.O.B. = TOP OF BEAM

1 SIXTH FLOOR FRAMING PLAN (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SP CIVIC CENTER - 3 (BRO. Bag), QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuapa, plap
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
CIC CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:
SIXTH FLOOR FRAMING PLAN

PROJECT NO.:

SHEET NO.: ST-10

DATE: August 2019
DRAWN BY: Ar. S.V.N.S.
DESIGNED BY: Engr. R.E.D.
CHECKED BY: Engr. R.E. Dominguez, JR.

NOTES:
1. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL, USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S. - TOP OF SLAB
7. T.O.B. - TOP OF BEAM

1 SEVENTH FLOOR FRAMING PLAN (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER - 0 BRO. Bldg, QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL:
ARCH. LUCILLE H. CHUA (Lap. plap)
CITY ARCHITECT
ENGR. ISAGANI R. VERZOSA, JR
OIC CITY ENGINEER

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:
SEVENTH FLOOR FRAMING PLAN

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. S.A.N.S.
DESIGNED BY	Engr. [illegible]
CHECKED BY	Engr. R.E. Dabalocos Jr.

SHEET NO.: ST-11

NOTES:

1. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 3.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S. = TOP OF SLAB
7. T.O.B. = TOP OF BEAM

1 EIGHTH FLOOR FRAMING PLAN (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SEVOC CENTER, R. BAS SIAG, QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO	RECOMMENDING APPROVAL		APPROVED BY	PROJECT TITLE	SHEET CONTENTS :	PROJECT NO :	SHEET NO. :
	ARCH. LUCILLE H. CHUA, Rmp, plep CITY ARCHITECT	ENGR. ISAGANI R. VERZOSA, JR OIC, CITY ENGINEER	HON. MA. JOSEFINA G. BELMONTE MAYOR	PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT LOCATION : BRGY. BAGBAG, NOVALICHES, QC	EIGHTH FLOOR FRAMING PLAN	DATE: November 2019 DRAWN BY: Ar. S.W.N.S. DESIGNED BY: Eng. [illegible] CHECKED BY: Eng. [illegible]	ST-12

NOTES:

1. FOR WALL LAY-OUT PLEASE SEE ARCHITECTURAL PLAN
2. FOR INTERIOR WALL USE 4" CHB
3. FOR EXTERIOR WALL USE 6" CHB
4. PROVIDE STIFFENER COLUMN @ EVERY CORNER & @ EVERY 2.00 METER LENGTH OF WALL (SEE GENERAL NOTES FOR DETAIL OF MASONRY WALL)
5. PROVIDE STIFFENER BEAM ON TOP OF INTERIOR WALL (SEE GENERAL NOTES FOR DETAIL MASONRY WALL)
6. T.O.S = TOP OF SLAB
7. T.O.B = TOP OF BEAM

1 NINTH FLOOR FRAMING PLAN (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SFDMC CENTER - BGHS BldG. OLD CITY HALL COMPOUND
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Emp. plcp
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS

NINTH FLOOR FRAMING PLAN

PROJECT NO.:

DATE	November 2019
DRAWN BY	Ar. S.V.N.S.
DESIGNED BY	Engr. [illegible]
CHECKED BY	Engr. R.B. Ceballocos, Jr.

SHEET NO.: **ST-13**

1 ROOF FRAMING & DECK FRAMING PLAN (NOT INCLUDED IN THIS PROGRAM)

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CITY ARCHITECT DEPARTMENT
SPCMC CENTER - D. PARO St. QUEZON CITY HALL COMPOUND,
E. LIPTICIL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL:

ARCH. LUCILLE H. CHUA, fuap, pcp
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:
ROOF FRAMING & DECK FRAMING PLAN

SCALE 1:100 METERS

PROJECT NO.

DATE	November 2019
DRAWN BY	Ar. S. C. N. S.
DESIGNED BY	Engr. R.E. Debolonia, Jr.
CHECKED BY	Engr. R.E. Debolonia, Jr.

SHEET NO.: **ST-14**

1 UPPER DECK FRAMING PLAN (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

PLAN

SECTION

BLOW-UP DETAIL

2 DETAIL OF CONCRETE BLEACHER @ AUDITORIUM

SCALE 1:100 METERS

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - DBRC Bldg., QUEZON CITY HALL COMPOUND
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Rap, pep
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ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:
UPPER DECK FRAMING PLAN
DETAIL OF CONCRETE BLEACHER @ AUDITORIUM

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. S.V.N.B.
DESIGNED BY	Engr. R.E.Dabalos, Jr.
CHECKED BY	Engr. R.E.Dabalos, Jr.

SHEET NO.: ST-15

TRUSS - 1

TRUSS - 2

TRUSS - 3

MAIN TRUSS

TC = BC = 2 - 3" X 3" X $\frac{5}{16}$" ANGLE BAR

VC = DC = 2 - 2 $\frac{1}{2}$" X 2 $\frac{1}{2}$" X $\frac{1}{4}$" ANGLE BAR

TRUSS 1' DETAIL

TRUSS 3' DETAIL

TC = BC = 2 - 2" X 2" X $\frac{1}{4}$" ANGLE BAR

VC = DC = 2 - 1 $\frac{1}{2}$" X 1 $\frac{1}{2}$" X $\frac{3}{16}$" ANGLE BAR

1 TRUSS DETAIL

SCALE 1:50 METERS

TC = BC = 2 - 2" X 2" X $\frac{1}{4}$" ANGLE BAR

VC = DC = 2 - 1 $\frac{1}{2}$" X 1 $\frac{1}{2}$" X $\frac{3}{16}$" ANGLE BAR

2 FASCIA FRAME DETAIL

SCALE 1:40 METERS

3 DETAIL OF GUTTER

SCALE 1:15 METERS

Republika ng Pilipinas Lungsod ng Quezon **CITY ARCHITECT DEPARTMENT** 3RD DMC CENTER (DBHO 3rd) QUEZON CITY HAL COMPOUND, ELLIPTICAL ROAD DILIMAN, QUEZON CITY	PROVISO:	RECOMMENDING APPROVAL ARCH. LUCILLE H. CHUA (Sup. pep) CITY ARCHITECT ENGR. ISAGANI R. VERZOSA, JR OIC, CITY ENGINEER	APPROVED BY : HON. MA. JOSEFINA G. BELMONTE MAYOR	PROJECT TITLE **PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT** LOCATION : BRGY. BAGBAG, NOVALICHES, QC	SHEET CONTENTS : TRUSS DETAIL FASCIA FRAME DETAIL DETAIL OF GUTTER	PROJECT NO. DATE: November 2019 DRAWN BY: Ar. S.V.A.S. DESIGNED BY: Engr. R.E. Debalocos, Jr. CHECKED BY: Engr. R.E. Debalocos, Jr.	SHEET NO. **ST-16**

SECTION

BLOW-UP DETAIL

1 TYPICAL STAIR DETAIL

SCALE 1:30 METERS

2 DETAIL OF ENTRANCE STAIR

SCALE 1:30 METERS

PLAN

PLAN

SECTION

3 DETAIL OF CANOPY @ STAGE

SCALE 1:50 METERS

SECTION

4 DETAIL OF FACADE CANOPY

SCALE 1:50 METERS

5 LEDGE DETAIL

SCALE 1:20 METERS

6 RAMP FOUNDATION PLAN (RIGHT WING)

SCALE 1:60 METERS

7 RAMP FOUNDATION PLAN (LEFT WING)

SCALE 1:60 METERS

8 RAMP SECTION DETAIL (RIGHT WING)

SCALE 1:50 METERS

9 RAMP SECTION DETAIL (LEFT WING)

SCALE 1:50 METERS

10 SPOT DETAIL

NOT TO SCALE

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SK CIVIC CENTER - Q.BRO. Bdg., QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO

RECOMMENDING APPROVAL

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CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C.

SHEET CONTENTS :

TYPICAL STAIR DETAIL
DETAIL OF ENTRANCE STAIR
DETAIL OF CANOPY @ STAGE
DETAIL OF FACADE CANOPY
LEDGE DETAIL
RAMP FOUNDATION PLAN
RAMP SECTION DETAIL
SPOT DETAIL

PROJECT NO :

DATE: August 2019
DRAWN BY: Ar. M.A.B.
DESIGNED BY: Engr. R.E. Debalucos, Jr.
CHECKED BY: Engr. R.E. Debalucos, Jr.

SHEET NO.: ST-17

1 FOUNDATION PLAN
(FROM GROUND FLOOR TO ROOF DECK)

SCALE : 50 MTS
SCALE : 100 MTS (A3 SIZE)

2 FRAMING PLAN
(FROM GROUND FLOOR TO ROOF DECK)

SCALE : 50 MTS
SCALE 1:100 MTS (A3 SIZE)

3 TYPICAL SECTION OF ELEVATOR PIT
(FROM GROUND FLOOR TO ROOF DECK)

SCALE 1:20 MTS
SCALE 1:50 MTS (A3 SIZE)

4 DETAIL SECTION OF ELEVATOR
(FROM GROUND FLOOR TO ROOF DECK)

SCALE 1:50 MTS
SCALE 1:100 MTS (A3 SIZE)

FOUNDATION PLAN

FRAMING PLAN

SECTION "A"

5 FIRE RESERVE AND CISTERN TANK DETAIL

SCALE 1:50MTS
SCALE 1:100MTS (A3 SIZE)

TYPICAL DETAIL OF TWO - WAY SLAB

MARK		REINFORCEMENT																REMARK
		SHORT SPAN								LONG SPAN								
		BAR MARK			TOP BARS			BOTTOM BARS			TOP BARS			BOTTOM BARS				
S	125	12		0	150	300	150	300	150		300	150	200					TWO-WAY SLAB

6 SCHEDULE OF SLAB

NO TO SCALE

SCHEDULE OF BEAMS

SCALE	DIMENSIONS (mm)		BAR	TOP BARS				BOTTOM BARS				WEB BARS	STIRRUPS 10mm@
MARK	B	H	Ø	1ST LAYER	2ND LAYER	3RD LAYER	4TH LAYER	1ST LAYER	2ND LAYER	3RD LAYER	4TH LAYER		
B1	200	350	16	2	2	2	2	3	2	-	-	1 @ 50, 3 @ 100, REST @ 200mm O.C.	
B2	200	300	16	2	2	2	2	2	2	-	-	1 @ 50, 3 @ 100, REST @ 200mm O.C.	

7 SCHEDULE OF BEAMS

NO TO SCALE

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CITY ARCHITECT DEPARTMENT
SFDMC CENTER - D. JOSE BAG. QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

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CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
CIC, CITY ENGINEER

APPROVED BY

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH-SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, QC.

SHEET CONTENTS:
FOUNDATION PLAN
FRAMING PLAN
TYPICAL SECTION OF ELEVATOR PIT
DETAIL SECTION OF ELEVATOR
FIRE RESERVE AND CISTERN TANK DETAIL
SCHEDULE OF SLAB
SCHEDULE OF BEAMS

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. M.A.B.
DESIGNED BY	Engr. R.E. Dematacos Jr.
CHECKED BY	Engr. R.E. Dematacos Jr.

SHEET NO.: **ST-18**

1 LONGITUDINAL SECTION

SCALE 1:100 METERS

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CITY ARCHITECT DEPARTMENT
SFCOVO CENTER - D.BRO. BRGY. QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

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CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION : BRGY. BAGBAG, NOVALICHES QC

SHEET CONTENTS :

LONGITUDINAL SECTION

PROJECT NO.

DATE	November 2019
DRAWN BY	Ar. S.J.M.S.
DESIGNED BY	Engr. R.E.Cabalquinto
CHECKED BY	Engr. R.E.Cabalquinto, Jr.

SHEET NO.

ST-19

1 CROSS SECTION

Republika ng Pilipinas
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CITY ARCHITECT DEPARTMENT
SFDM CENTER - DISTRICT 3rd, QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISC.

RECOMMEND NG APPROVAL

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CITY ARCHITECT

ENGR. SAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:
CROSS SECTION

SCALE 1:100 METERS

PROJECT NO.	
DATE	November 2019
DRAWN BY	Ar. S.V.N.S.
DESIGNED BY	Engr. R.E.Debayola, Jr.
CHECKED BY	Engr. R.E.Debayola, Jr.

SHEET NO.: ST-20

A. EARTHWORKS

1. CLEARING & GRUBBING

THE ENGINEER WILL ESTABLISH THE LIMITS OF WORK AND DESIGNATE ALL TREES, SHRUBS, PLANTS AND OTHER THINGS TO REMAIN. THE CONTRACTOR SHALL PRESERVE ALL OBJECTS DESIGNATED TO REMAIN. PAINT REQUIRED FOR CUT OR SCARRED SURFACE OF TREES OR SHRUBS SELECTED FOR RETENTION SHALL BE AN APPROVED ASPHALTUM BASE PAINT PREPARED ESPECIALLY FOR TREE SURGERY.

CLEARING SHALL EXTEND ONE (1) METER BEYOND THE TOE OF THE FILL SLOPES OR BEYOND ROUNDING OF CUT SLOPES AS THE CASE MAYBE FOR THE ENTIRE LENGTH OF THE PROJECT UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER AND PROVIDED IT IS WITHIN THE RIGHT OF WAY LIMITS OF THE PROJECT, WITH THE EXCEPTION OF TREES UNDER THE JURISDICTION OF THE FOREST MANAGEMENT BUREAU (FMB).

2. REMOVAL OF STRUCTURES & OBSTRUCTIONS

THE CONTRACTOR SHALL PERFORM THE WORK DESCRIBED ABOVE, WITHIN AND ADJACENT TO THE ROADWAY, ON GOVERNMENT LAND OR EASEMENT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL DESIGNATED SALVABLE MATERIALS SHALL BE REMOVED, WITHOUT UNNECESSARY DAMAGE IN SECTIONS OR PIECES WHICH MAY BE READILY TRANSPORTED, AND SHALL BE STORED BY THE CONTRACTOR AT SPECIFIED PLACES ON THE PROJECT OR AS OTHERWISE SHOWN IN THE SPECIAL PROVISIONS. NONPERISHABLE MATERIAL MAY BE DISPOSED OFF OUTSIDE THE LIMITS OF VIEW FROM THE PROJECT WITH WRITTEN PERMISSION OF THE property OWNER ON WHOSE PROPERTY, THE MATERIAL IS placed COPIES OF ALL AGREEMENTS WITH PROPERTY OWNERS ARE TO BE FURNISHED TO THE ENGINEER. BASEMENTS OR CAVITIES LEFT BY THE STRUCTURE REMOVAL SHALL BE FILLED ACCEPTABLE MATERIALS TO THE LEVEL OF THE SURROUNDING GROUND AND, IF WITHIN THE PRISM OF CONSTRUCTION, SHALL BE COMPACTED TO THE REQUIRED DENSITY

3. EXCAVATION

A ROADWAY EXCAVATION

ROADWAY EXCAVATION WILL INCLUDE EXCAVATION AND GRADING FOR ROADWAYS, PARKING AREAS, INTERSECTIONS, APPROACHES, SLOPE ROUNDING, BENCHING, WATERWAYS AND DITCHES. REMOVAL OF UNSUITABLE MATERIAL FROM THE ROADBED AND BENEATH EMBANKMENT AREAS; AND EXCAVATING SELECTED MATERIAL FOUND IN THE ROADWAY AS ORDERED BY THE ENGINEER FOR SPECIFIC USE IN THE IMPROVEMENT.

B. WHEN THERE IS EVIDENCE OF DISCREPANCIES ON THE ACTUAL ELEVATIONS AND THAT SHOWN ON THE PLANS, A PRE-CONSTRUCTION SURVEY REFERRED TO THE DATUM PLANE USED IN THE APPROVED PLAN SHALL BE UNDERTAKEN BY THE CONTRACTOR UNDER THE CONTROL OF THE ENGINEER TO SERVE AS BASES FOR THE COMPUTATION OF THE ACTUAL VOLUME OF THE EXCAVATED MATERIALS

ALL EXCAVATIONS SHALL BE FINISHED TO reasonably SMOOTH AND UNIFORM SURFACES. NO MATERIALS SHALL BE WASTED WITHOUT AUTHORITY OF THE ENGINEER. EXCAVATION OPERATIONS SHALL BE CONDUCTED SO THAT MATERIAL OUTSIDE OF THE LIMITS OF SLOPES WILL NOT BE DISTURBED. PRIOR TO EXCAVATION, ALL NECESSARY CLEARING AND GRUBBING IN THAT AREA SHALL HAVE BEEN PERFORMED IN ACCORDANCE WITH ITEM 100, CLEARING AND GRUBBING.

4. STRUCTURE EXCAVATION

GENERAL, ALL STRUCTURES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SUFFICIENTLY IN THE ADVANCE OF THE BEGINNING OF ANY EXCAVATION SO THAT CROSS SECTIONAL ELEVATIONS AND MEASUREMENTS MAY BE TAKEN ON THE UNDISTURBED GROUND. THE NATURAL GROUND ADJACENT TO THE STRUCTURE SHALL NOT BE DISTURBED WITHOUT PERMISSION OF THE ENGINEER.

TRENCHES OR FOUNDATION PITS FOR STRUCTURES OR STRUCTURE FOOTINGS SHALL BE EXCAVATED TO THE LINES AND GRADES OR ELEVATIONS SHOWN ON THE PLANS OR AS STAKED BY THE ENGINEER. THEY SHALL BE OF SUFFICIENT SIZE TO PERMIT THE PLACING OF STRUCTURES OR STRUCTURE FOOTINGS OF THE FULL WIDTH AND LENGTH SHOWN. THE ELEVATIONS OF THE BOTTOMS OF FOOTINGS, AS SHOWN ON THE PLANS, SHALL BE CONSIDERED AS APPROXIMATE ONLY AND THE ENGINEER MAY ORDER, IN WRITING, SUCH CHANGES IN DIMENSIONS OR ELEVATIONS OF FOOTINGS AS MAY BE DEEMED NECESSARY, TO SECURE A SATISFACTORY FOUNDATION.

5 EMBANKMENT

PRIOR TO CONSTRUCTION OF EMBANKMENT, ALL NECESSARY CLEARING AND GRUBBING IN THAT AREA SHALL HAVE BEEN PERFORMED IN CONFORMITY WITH ITEM 100, CLEARING AND GRUBBING.

EMBANKMENT CONSTRUCTION SHALL CONSIST OF CONSTRUCTING ROADWAY EMBANKMENTS, INCLUDING PREPARATION OF THE AREAS UPON WHICH THEY ARE TO BE PLACED; THE CONSTRUCTION OF DIKES WITHIN OR ADJACENT TO THE ROADWAY AREAS WHERE UNSUITABLE MATERIAL HAS BEEN REMOVED; AND THE PLACING AND COMPACTING OF APPROVED MATERIAL WITHIN ROADWAY AREAS WHERE UNSUITABLE MATERIALS HAS BEEN REMOVED; AND THE PLACING AND COMPACTING OF EMBANKMENT MATERIAL IN HOLES, PITS, AND OTHER DEPRESSIONS WITHIN THE ROADWAY AREA.

6. COMPACTION EQUIPMENT AND DENSITY CONTROL STRIPS

1. SHEEPSFOOT, TAMPING OR GRID ROLLERS SHALL BE CAPABLE OF EXERTING A FORCE OF 45 NEWTON PER MILLIMETER POUNDS PER INCH) OF LENGTH OF ROLLER DRUM.
2. STEEL - WHEEL ROLLERS THAN VIBRATORY SHALL BE CAPABLE OF EXERTING A FORCE OF NOT LESS THAN 45 NEWTON PER MILLIMETER OF WIDTH OF THE COMPRESSION ROLL OR ROLLS.
3. VIBRATORY STEEL-WHEEL ROLLERS SHALL HAVE A MINIMUM MASS OF 6 TONNES. THE COMPACTOR SHALL BE EQUIPPED WITH AMPLITUDE AND FREQUENCY CONTROLS AND SPECIFICALLY DESIGNED TO COMPACT THE MATERIAL ON WHICH IT IS USED.
4. PNEUMATIC-TIRE ROLLERS SHALL HAVE SMOOTH TREAD TIRES OF EQUAL SIZE THAT WILL PROVIDE A UNIFORM COMPACTING PRESSURE FOR THE FULL WIDTH OF THE ROLLER AND CAPABLE OF EXERTING A GROUND PRESSURE OF AT LEAST550 KPA (80 POUNDS PER SQUARE INCH).
5. HEAVER COMPACTING UNIT MAY BE REQUIRED TO ACHIEVE THE SPECIFIED DENSITY OF THE EMBANKMENT

7. OVERHAUL

OVERHAUL SHALL CONSIST OF AUTHORIZED HAULING IN EXCESS OF THE FREE-HAUL DISTANCE. FREE-HAUL DISTANCE IS THE SPECIFIED DISTANCE THAT EXCAVATED MATERIAL SHALL BE HAULED WITHOUT ADDITIONAL COMPENSATION. UNLESS OTHERWISE PROVIDED IN THE CONTRACT, THE FREE-HAUL DISTANCE SHALL BE 600 METERS.

A. SUB-BASE & BASE COARSE

1. AGGREGATE SUB-BASE COARSE

AGGREGATE FOR SUB-BASE SHALL CONSIST OF HARD, DURABLE PARTICLES OR FRAGMENTS OF CRUSHED STONE, CRUSHED SLAG, OR CRUSHED OR NATURAL GRAVEL AND FILLER OF NATURAL OR CRUSHED SAND OR OTHER FINELY DIVIDED MINERAL MATTER. THE COMPOSITE MATERIAL SHALL BE FREE FROM VEGETABLE MATTER AND LUMPS OR BALLS OF CLAY AND SHALL BE OF SUCH NATURE THAT IT CAN BE COMPACTED READILY TO FORM A FIRM, STABLE SUBBASE.

SIEVE DESIGNATION		MASS PERCENT PASSING
STANDARD, (MM)	ALTERNATE U.S STANDARD	
50	2"	100
25	1"	55 - 85
9.5	3/8"	40 - 75
0.075	NO. 200	0 - 12

2. AGGREGATE BASE COARSE

AGGREGATE FOR BASE COARSE SHALL CONSIST OF HARD, DURABLE PARTICLES OR FRAGMENTS OF CRUSHED STONE, CRUSHED SLAG OR RUSHED OR NATURAL GRAVEL AND FILLER OF NATURAL OR CRUSHED SAND OR OTHER FINELY DIVIDED MINERAL MATTER. THE COMPOSITE MATERIAL SHALL BE FREE FROM VEGETABLE MATTER AND LUMPS OR BALLS OF CLAY, AND SHALL BE OF SUCH NATURE THAT IT CAN BE COMPACTED READILY TO FORM A FIRM, STABLE BASE.

IN SOME AREAS WHERE THE CONVENTIONAL BASE COARSE MATERIALS ARE SCARCE OR NON-AVAILABLE, THE USE OF 40% WEATHERED LIMESTONE BLENDED WITH 60% CRUSHED STONES OR GRAVEL SHALL BE ALLOWED, PROVIDED THAT THE BLENDED MATERIALS MEET THE REQUIREMENTS OF THIS ITEM. THE BASE COARSE MATERIAL SHALL CONFORM TO TABLE, WHICHEVER IS CALLED FOR IN THE BILL OF QUANTITIES.

SIEVE DESIGNATION		MASS PERCENT PASSING	
STANDARD, (MM)	ALTERNATE US STANDARD	GRADING A	GRADING B
50	2"	100	-
37.5	1 - 1/2"	-	100
25.0	1"	50 - 85	-
19.0	3/4"	-	60 - 85
12.5	1/2"	35 - 65	-
4.75	NO. 4	22 - 50	30 - 55
0.425	NO. 40	5 - 20	8 - 25
0.075	NO. 200	0 - 12	2 - 14

3 LIME STABILIZED ROAD MIX BASE COARSE

IT SHALL CONSIST OF ANY COMBINATION OF GRAVEL, SAND, SILT AND CLAY OR OTHER APPROVED COMBINATION OF MATERIALS FREE FROM FROM VEGETABLE OR OTHER OBJECTIONABLE MATTER. IT MAY BE MATERIALS ENCOUNTERED IN THE CONSTRUCTION SITE OR MATERIALS OBTAINED FROM APPROVED SOURCES. THE CRUSHED OR UNCRUSHED GRANULAR MATERIAL SHALL CONSIST OF HARD, DURABLE STONES AND ROCKS, OF ACCEPTED QUALITY FREE FROM AN EXCESS OF FLAT, ELONGATED, SOFT OR DISINTEGRATED PIECES OR OTHER OBJECTIONABLE MATTER. IT IS THE INTENT OF THIS SPECIFICATION TO UTILIZE SOILS EXISTING ON THE ROADBED IF THE QUALITY IS SATISFACTOR. IF THE QUALITY AND/ OR QUANTITY IS DEFICIENT, THE SOIL AGGREGATE SHALL BE OBTAINED WHOLLY OR PARTLY FROM APPROVED OUTSIDE SOURCES. THE SOIL-AGGREGATE SHALL CONFORM TO THE GRADING REQUIREMENTS OF TABLE BELOW.

SIEVE DESIGNATION		MASS PERCENT PASSING	
STANDARD, (MM)	ALTERNATE US STANDARD	GRADING A	GRADING B
50	2"	100	100
4.75	NO. 4	45 - 85	55 - 100
2.00	NO. 10	37 - 80	45 - 100
0.425	NO. 40	15 - 20	25 - 80
0.075	NO. 200	5 - 25	11 - 35

C. SURFACE COARSE

1. AGGREGATE SURFACE COARSE

THE AGGREGATE SHALL CONSIST OF HARD, DURABLE PARTICLES OR FRAGMENTS OF STONE OR GRAVEL AND SAND OR OTHER FINE MINERAL PARTICLES FREE FROM VEGETABLE MATTER AND LUMPS OR BALLS OF CLAY AND SUCH NATURE THAT IT CAN BE COMPACTED READILY TO FORM A FIRM, STABLE LAYER. IT SHALL CONFORM TO THE GRADING REQUIREMENTS SHOWN IN TABLE BELOW. WHEN TESTED BY AASHTO T11 AND T27.

SIEVE DESIGNATION		MASS PERCENT PASSING			
STANDARD, (MM)	ALTERNATE U.S. STANDARD	GRADING A	GRADING B	GRADING C	GRADING D
25	1"	100	100	100	100
9.5	3/8"	52 - 85	60 - 85	50 - 85	50 - 85
4.75	NO. 4	35 - 65	50 - 100	55 - 100	35 - 65
2.00	NO. 10	25 - 50	40 - 70	40 - 100	25 - 50
0.425	NO. 40	15 - 35	25 - 45	22 - 50	15 - 35
0.075	NO. 200	5 - 20	5 - 20	8 - 20	5 - 20

2 PORTLAND CEMENT CONCRETE PAVEMENT

A. IT SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE OF ITEM 700, HYDRAULIC CEMENT. ONLY TYPE 1 PORTLAND CEMENT SHALL BE USED UNLESS OTHERWISE PROVIDED FOR IN THE SPECIAL PROVISIONS. DIFFERENT brands OR THE SAME BRANDS FROM DIFFERENT MILLS SHALL NOT BE MIXED NOR SHALL THEY BE USED ALTERNATELY UNLESS THE MIXES APPROVED BY THE ENGINEER. HOWEVER, THE USE OF PORTLAND POZZOLAN CEMENT TYPE IP MEETING THE REQUIREMENTS OF AASHTO M 240/ASTM C 595, SPECIFICATIONS FOR BLENDED HYDRAULIC CEMENT SHALL BE ALLOWED: PROVIDED THAT TRIAL TRIAL MIXES SHALL BE DONE AND THAT THE MIXES MEET THE CONCRETE STRENGTH REQUIREMENTS, THE AASHTO/ASTM PROVISIONS PERTINENT TO THE USE OF PORTLAND POZZOLAN TYPE IP SHALL BE ADOPTED. CEMENT WHICH FOR ANY REASON, HAS BECOME PARTIALLY SET OR WHICH CONTAINS LUMPS OF CAKED CEMENT WILL BE REJECTED. CEMENT SALVAGED FROM DISCARDED OR USED BAGS SHALL NOT BE USED. SAMPLES OF CEMENT SHALL BE OBTAINED IN ACCORDANCE WITH AASHTO T127.

B. WATER USED IN MIXING, CURING OR OTHER DESIGNATED APPLICATION SHALL BE REASONABLY CLEAN AND FREE OF OIL, SALT, ACID, ALKAL, GRASS OR OTHER SUBSTANCES INJURIOUS TO THE FINISHED PRODUCT. WATER WILL BE TESTED IN ACCORDANCE WITH AND SHALL MEET THE REQUIREMENTS OF ITEM 714, WATER. WATER WHICH IS DRINKABLE MAY BE USED WITHOUT test. WHERE THE SOURCE OF WATER IS SHALLOW, THE INTAKE SHALL BE SO ENCLOSED AS TO EXCLUDE SILT, MUD, GRASS OR OTHER FOREIGN MATERIALS.

C. IT SHALL CONFORM TO THE REQUIREMENTS OF ITEM 404. REINFORCING STEEL, DOWELS AND TIE BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 OR M 42, EXCEPT THAT RAIL STEEL SHALL NO BE USED FOR TIE BARS THAT ARE TO BE BENT AND TEST RAIGHTENED DURING CONSTRUCTION. TIE BARS SHALL BE DEFORMED BARS. DOWELS SHALL BE PAINTED WITH ONE COAT OF APPROVED LEAD OR TAR PAINT.

1 GENERAL WORKS

NOT TO SCALE

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Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER, 3-BRC, Bldg, QUEZON CITY HALL COMPOUND, SUBIC ROAD, DILIMAN, QUEZON CITY

PROVISO:

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CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA JR.
CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BASBAG, NOVALICHES QC

SHEET CONTENTS: GENERAL NOTES

PROJECT NO:

DATE: August 2019
DRAWN BY: Ar. J.L. Plata
DESIGNED BY: Engr. [illegible]
CHECKED BY: Engr. R.E. Debalocos Jr.

SHEET NO: CW-01

NOTE:
1. PROVIDE 50mm THK BASE COARSE BEDDING FOR CONCRETE RAMP & PAVEMENT
2. PROVIDE 75mm THK SUB-BASE MATERIALS (BACKFILL).
3. COMPACT BEDDING @ EVERY 300mm LAYER.
4. PASSED FDT TEST (90%) BEFORE CONCRETING OF PAVEMENT.

1 FOUNDATION PLAN

SCALE 1:150 METERS (24 x 36)
SCALE 1:300 METERS(A3)

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CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER - D. SIRO Bldg., QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

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PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:
FOUNDATION PLAN

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. J.L. Plata
DESIGNED BY	Engr. R/E Debalocos Jr.
CHECKED BY	Engr. R/E Debalocos Jr.

SHEET NO.:
CW-02

1 COLUMN FOOTING & COLUMN DETAILS

SCALE 1:20 METERS (24 x 36)
SCALE 1:40 METERS(A3)

2 DETAIL OF WF-1

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

3 DETAIL OF WF-2

SCALE 1:15 METERS (24 x 36)
SCALE 1:30 METERS(A3)

4 BLOW UP FOUNDATION OF GATE AND GUARD HOUSE

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

5 SECTION OF GATE

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

6 DETAIL OF FENCE

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

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CITY ARCHITECT DEPARTMENT
SF GMC CENTER - 2 (BRO. Bag), QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

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PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION : BRGY. BAGBAG, NOVALICHES QC

SHEET CONTENTS:
COLUMN FOOTING & COLUMN DETAILS
DETAIL OF WALL AT FENCE
DETAIL OF WALL AT PLANTBOX
BLOW-UP FOUNDATION OF GATE & GUARD HOUSE
SECTION OF GATE
DETAIL OF FENCE

PROJECT NO.

DATE	August 2019
DRAWN BY	Ar. J.L. Plata
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CHECKED BY	Engr. R.E. Debalocos Jr.

SHEET NO.: **CW-03**

FOUNDATION PLAN

FRAMING PLAN

1 DETAIL OF GUARD HOUSE 1

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

FOUNDATION PLAN

FRAMING PLAN

2 DETAIL OF GUARD HOUSE 2

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

FOUNDATION PLAN

FRAMING PLAN

3 DETAIL OF PUMP HOUSE

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

REMARK	REINFORCEMENT			SHORT SPAN				LONG SPAN			
	MAIN BARS		TEMP	TOP BARS		BOT BARS		TOP BARS		BOT BARS	
ONE WAY SLAB /S-2	100	10	12	4	3	150	150	1	3	150	150

4 SLAB DETAIL

NOT TO SCALE

5 DETAIL OF CONCRETE CURB (FOUNDATION)

SCALE 1:80 METERS (24 x 36)
SCALE 1:160 METERS(A3)

6 DETAIL OF CONCRETE CURB (SECTION A)

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

NOTE:
VERIFY ACTUAL DIAMETER OF EACH EXISTING TREE, PROVIDE MINIMUM DISTANCE OF 300mm FROM INSIDE OF PLANT BOX

7 PLANT BOX DETAIL (FOR EXISTING TREE)

SCALE 1:15 METERS (24 x 36)
SCALE 1:30 METERS(A3)

8 TRENCH DETAIL

SCALE 1:10 METERS (24 x 36)
SCALE 1:20 METERS(A3)

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CITY ARCHITECT DEPARTMENT
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PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY BAGBAG, NOVALICHES QC

SHEET CONTENTS:
DETAIL OF GUARD HOUSE 1
DETAIL OF GUARD HOUSE 2
DETAIL OF PUMP HOUSE
TYPICAL DETAIL OF SLAB
DETAIL OF PLANT FOUNDATION PLAN
DETAIL OF PLANT SECTIONS
TYPICAL PLANT BOX DETAIL FOR EXISTING TREE
TRENCH DETAIL

PROJECT NO.:

SHEET NO.: CW-04

DATE	August 2019
DRAWN BY	Ar. JL Plata
DESIGNED BY	Engr. R.E. Dela Rosa
CHECKED BY	Engr. R.E. Dela Rosa

NOTE:
fc'= 4,000 psi CONCRETE STRENGTH
GRADE 40= 16MMØ
GRADE 60= 25MMØ

RW-1/RWF-1

1 RETAINING WALL AT RAMP

SCALE 1:30 METERS (24 x 36)
SCALE 1.60 METERS(A3)

2 PLAN OF FENCE AT CREEK

SCALE 1:30 METERS (24 x 36)
SCALE 1.60 METERS(A3)

NOTE:
fc'= 4,000 psi CONCRETE STRENGTH
GRADE 40= 16MMØ
GRADE 60= 25MMØ

3 SECTION DETAIL OF FENCE & RW-2/RWF-2 AT CREEK

SCALE 1:20 METERS (24 x 36)
SCALE 1:40 METERS(A3)

4 FLAGPOLE DETAIL

SCALE 1:20 METERS (24 x 36)
SCALE 1:40 METERS(A3)

5 SERVICE ENTRANCE

SCALE 1:20 METERS (24 x 36)
SCALE 1:40 METERS(A3)

6 SECTION OF RAMP

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

7 PARK LIGHT PEDESTAL DETAILS

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

8 MANHOLE DETAIL (ELECTRICAL)

SCALE 1:20 METERS (24 x 36)
SCALE 1:40 METERS(A3)

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CITY ARCHITECT DEPARTMENT
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PROJECT TITLE:

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVAL CHEG. QC

SHEET CONTENTS:

RETAINING WALL AT RAMP
FENCE AT CREEK
SECTION DETAIL OF FENCE AND RW-2/RWF-2
FLAGPOLE DETAIL
SERVICE ENTRANCE DETAIL
SECTION OF RAMP
PARK LIGHT PEDESTAL DETAILS
MANHOLE DETAIL (ELECTRICAL)

PROJECT NO.:

SHEET NO.: CW-05

DATE	August 2019
DRAWN BY	Ar. J.L. Plata
DESIGNED BY	Engr. R.E. Debalocos Jr.
CHECKED BY	Engr. R.E. Debalocos Jr.

1 SECTION "A" (DRIVEWAY, SIDEWALK, PLANT BOX,REFLECTIVE POND)

SCALE 1:50 METERS (24 x 36)
SCALE 1:100 METERS(A3)

2 FOUNDATION PLAN OF PLANT BOX AT DROP OFF

SCALE 1:40 METERS (24 x 36)
SCALE 1:80 METERS(A3)

PLAN BOX (SECTION A)

PLAN BOX WITH EXISTING TREE
(SECTION B)

3 TYPICAL SECTION OF PLANT BOX

SCALE 1:30 METERS (24 x 36)
SCALE 1:60 METERS(A3)

4 TYPICAL SECTION DETAIL OF ROAD PAVEMENT

SCALE 1:150 METERS (24 x 36)
SCALE 1:300 METERS(A3)

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5F CIVIC CENTER - D (BRO. Bag), QUEZON CITY HALL COMPOUND,
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PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG NOVALICHES QC.

SHEET CONTENTS:
SECTION (DRIVEWAY, SIDEWALK, PLANT BOX, REFLECTIVE POND)
PLANT BOX DETAIL AT DROP-OFF
TYPICAL SECTION DETAIL OF ROAD PAVEMENT

PROJECT NO.:

DATE	August 2019
DRAWN BY	Ar. J.L. Bista
DESIGNED BY	Engr. R.E. Dela[illegible] Jr.
CHECKED BY	Engr. R.E. Dela[illegible] Jr.

SHEET NO.: CW-06

PLAN

SECTION

1 DETAIL OF AREA DRAIN/ CATCH BASIN

NOT TO SCALE

2 TRENCH DRAIN DETAIL

NOT TO SCALE

3 SITE DEVELOPMENT DRAINAGE LAYOUT

SCALE 1:150 METERS (24 x 36)
SCALE 1:300 METERS(A3)

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CITY ARCHITECT DEPARTMENT
SF CIVIC CENTER - D (BRO. Bldg), QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

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PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION: BRGY. BAGBAG, NOVA-JONES, QC

SHEET CONTENTS:
DETAIL OF AREA DRAIN/ CATCH BASIN
TRENCH DRAIN DETAIL
SITE DEVELOPMENT DRAINAGE LAYOUT

PROJECT NO:	
DATE	August 2019
DRAWN BY	Ar. J.L. Plata
DESIGNED BY	Engr. [redacted]
CHECKED BY	Engr. R.E. Debalocos Jr.

SHEET NO: CW-07

1. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE W/ THESE PLANS AND SPECIFICATIONS, THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF 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
2. THE SERVICE ENTRANCE SHALL BE 220 VOLTS, THREE (3) Ø, 3-WIRES & 1-GROUND, 60 HTZ, IN INTERMEDIATE METAL CONDUIT (IMC).
3. THE MAIN AND BRANCH CONDUIT OVER CURRENT PROTECTION SHALL BE OF MOLDED CASE CIRCUIT BREAKER (MCCB) TYPE "GE", "WESTINGHOUSE", OR APPROVED EQUAL ENCLOSED IN A METAL CABINET
4. UNLESS SPECIFIED IN THE PLAN, MINIMUM SIZE OF WIRE AND CONDUIT SHALL BE 3.5mm² & 20mmØ (¾"Ø) RESPECTIVELY. ALL WIRES SHALL BE RATED 600 VOLTS WITH THHN/ THW INSULATION.
5. 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.
6. CONVENIENCE OUTLET AND LIGHTING SWITCHES SHALL BE RATED AT 15A, 220V AS MANUFACTURED BY "NATIONAL" APPROVED EQUAL.
7. ALL MOUNTING HEIGHTS OF WIRING DEVICES SHALL BE AS FOLLOWS:
   a. LIGHTING SWITCHES - 1.40m ABOVE FLOOR FINISH
   b. CONVENIENCE OUTLETS - 0.30m ABOVE FLOOR FINISH OR AS REQUIRED
   c. PANEL BOARDS & CABINETS - 1.60m ABOVE FLOOR FINISH @ CENTER
   d. EXIT LIGHT - 0.15m TOP OF DOOR JAMB
   e. EMERGENCY LIGHT - 2.00m ABOVE FLOOR EMERGENCY
8. ALL BRANCHES AND CIRCUIT SHALL NOT BE LOADED MORE THAN 80% OF RATED CAPACITY.
9. PULL BOXES SHALL BE PROVIDED WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON PLANS.
10. ALL LIGHTING FIXTURES ARE SUBJECT FOR ENGINEERS/ARCHITECTS APPROVAL SUBMIT SAMPLES

1 GENERAL NOTES

- SERVICE ENTRANCE
- CT RATED KWHr METER
- LPP — LIGHTING AND POWER PANEL
- LIGHTING CIRCUIT RUN
- POWER CIRCUIT RUN
- F — FIRE ALARM CIRCUIT
- LPP — CIRCUIT HOMERUN TO PANELBOARD
- RU/RD — RISER UP / RISER DOWN
- FIRE ALARM MANUAL PULL STATION & ELECTRONIC SIREN W/ STROBE LIGHT
- SWITCH LOCATION
- S — SINGLE POLE SWITCH
- S2 / Sab — TWO-GANG SWITCH
- S3 / Sada — THREE(3) - GANG SWITCH
- S_{3w} — THREE WAY SWITCH
- $2S_{3w}$ — 2-GANG THREE WAY SWITCH
- TRIANGULAR OUTDOOR LUMINAIRE W/ 2 X 21W T5 FL TUBE (BY ARCHITECT'S APPROVAL)
- BOX TYPE FLUORESCENT FIXTURE 1 X 20W LED
- TROFFER TYPE 1200MM X 300MM (1 X 36 W)
- SPOT LIGHT
- TRACK LIGHTS
- CEILING MOUNTED EXHAUST FAN
- 1 x 36W FLOURESCENT FIXTURE DUST PROOF
- 12VDC UNDERWATER LIGHTING (FOR ARCHITECT'S APPROVAL)
- 8" SQUARE LIGHT
- 6" SQUARE LIGHT
- 200W LED FLOOD LIGHT
- c — BOLLARD LIGHTING
- PERIMETER TRIANGULAR LIGHTING
- 2 - LUMINARE PARK LIGHT
- CYLINDER WALL LIGHT (DECK)
- WALL LAMP
- ORBIT FAN, 65 WATTS
- STRIP LIGHT
- 4" PINLIGHTS
- STEP LIGHTS (AUDITORIUM)
- DL — SINGLE CONVENIENCE OUTLET W/ 1 x EMERGENCY LIGHT, 2 x 1.5W LED
- 4"Ø RECEPTACLE W/ 18W CFL
- 6" P NLIGHT W/ 18W CFL
- EXIT — FIRE EXIT LIGHT (SHADE INDICATES EXIT DIRECTION)
- FLOOR MOUNTED CONVENIENCE OUTLET
- DUPLEX CONVENIENCE OUTLET W/ GROUND
- SPECIAL PURPOSE OUTLET
- ACU OUTLET
- ECB (ENCLOSED CIRCUIT BREAKER)
- JUNCTION POWER PROVISION WITH COVER
- DOME TYPE IR CCTV CAMERA INDOOR
- FIXED/BOX TYPE IR CCTV CAMERA with OUTDOOR HOUSING
- DVR (DIGITAL VIDEO RECORDER)
- SINGLE DEVICE (1-DATA) SIMPLEX DATA OUTLET
- DATA CABINET/ RACK
- PP — PATCH PANEL
- NS — NETWORK SWITCH
- a — RG 59 COAXIAL CABLE
- b — 2 x 1.2 mm SOLID TF WIRE
- c — 12 x UTP CAT6 CABLE IN 65 mm Ø PVC

2 LEGENDS AND SYMBOLS

NOT TO SCALE

3 VICINITY MAP

NOT TO SCALE

4 DETAIL OF SLEEVED WIRE WAY IN SLAB (COMPUTER LAB)

NOT TO SCALE

5 LOCATION OF PIPE SLEEVES & TRAY RUN AT COMPUTER LAB

NOT TO SCALE

6 TYPICAL COMPUTER LABORATORY DATA LAYOUT

NOT TO SCALE

7 U-BOLT DETAIL

NOT TO SCALE

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CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D (BRO. Bag) QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

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APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:

GENERAL NOTES
LEGENDS AND SYMBOLS
VICINITY MAP
DETAIL OF SLEEVED WIRE WAY IN SLAB
LOCATION OF PIPE SLEEVES & TRAY RUN AT COMPUTER LABORATORY
TYPICAL COMPUTER LABORATORY DATA LAYOUT
U-BOLT DETAIL

PROJECT NO.:

DATE:	August 2020
DRAWN BY	Ar. A.V. GAMBOA
DESIGNED BY	Engr. A.V. GAMMAD
CHECKED BY	Engr. T. B. INFANTE

SHEET NO.: EL-01

PANEL: LVSG (UNITIZED PANEL)
MAIN: 3200AT, 3200AF, 3P
100KAIC, 600V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220			MDP	1,272.68	1,201.76	1,277.50	-	823,447	2500AT, 3P, MCCB	7 Sets of 3 - 250mm² THHN + 1 - 60mm² THW (G) in 90mmØ IMC / Y250
2	220			MPP1	15.00	20.62	39.60	101.60	56,969	200AT, 3P, MCCB	3 - 80mm² THHN + 1 - 22mm² TW (G) in 50mmØ IMC / Y150
3	220			MPP2	8.18	9.09	18.18	268.40	115,795	400AT, 3P, MCCB	3 - 250mm² THHN + 1 - 60mm² TW (G) in 90mmØ IMC / Y250
4	220			SPACE							
				TOTAL	1,306.86	1,231.47	1,331.28	370.00	997,212		

I_t = 1,331.28 * √3 + 370.00 + (154.00 * 0.25) = 2,714.34 Amperes

Feeder Line:
Use: 8 Sets 3 - 250mm² THHN + 1 - 60mm² THW (G) in 90mmØ IMC / Y250

ATS: 3200AT, 3200AF, 3P, 220V, 60Hz

GENERATOR SET
Use: 1 - 1MVA, 3P, 220V, 60Hz, 1800 rpm with 0.8 pf. Diesel Engine Driven Stand-By Generator Set

PANEL: MDP (GROUND FLOOR)
MAIN: 2500AT, 2500AF, 3P
100KAIC, 600V, MCCB

CKT NO	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220			DPA	223.41	191.22	204.00	-	137,187	400AT, 3P, MCCB	3 - 250mm² THHN + 1 - 80mm² TW (G) in 90mmØ IMC / Y250
2	220			DPB	139.51	133.95	156.14	-	92,270	300AT, 3P, MCCB	3 - 150mm² THHN + 1 - 38mm² TW (G) in 80mmØ IMC / Y150
3	220			DPC	160.22	151.55	159.14	-	105,400	300AT, 3P, MCCB	3 - 150mm² THHN + 1 - 38mm² TW (G) in 80mmØ IMC / Y150
4	220			DPD	153.86	146.55	186.82	-	98,720	300AT, 3P, MCCB	3 - 150mm² THHN + 1 - 38mm² TW (G) in 80mmØ IMC / Y150
5	220			DPE	111.27	113.14	119.95	-	76,860	300AT, 3P, MCCB	3 - 150mm² THHN + 1 - 38mm² TW (G) in 80mmØ IMC / Y150
6	220			DPF	130.36	134.55	127.36	-	87,420	300AT, 3P, MCCB	3 - 150mm² THHN + 1 - 38mm² TW (G) in 80mmØ IMC / Y150
7	220			DPG	156.36	144.00	153.86		101,290	300AT, 3P, MCCB	3 - 150mm² THHN + 1 - 38mm² TW (G) in 80mmØ IMC / Y150
8	220			DPH	200.16	184.82	190.55	-	127,300	400AT, 3P, MCCB	3 - 250mm² THHN + 1 - 50mm² TW (G) in 90mmØ IMC / Y250
9	220			SPACE							
10	220			SPACE							
				TOTAL	1,272.68	1,201.76	1,277.50	-	823,447		

I_t = 1,277.50 * √3 + (17.00 * 0.25) = 2,216.94 Amperes

Main Feeder Line:
Use: 7 Sets of 3 - 250mm² THHN + 1 - 60mm² THW (G) in 90mmØ IMC / Y250

PANEL: LPPB (LOWER GROUND FLOOR)
MAIN: 70AT, 100AF, 3P
18KAIC, 240V, BOLT-ON

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	16			7.27				1,600	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
2	220	16			7.27				1,600	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
3	220	18					8.18		1,800	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
4	220	13					5.91		1,300	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
5	220	19				8.64			1,900	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
6	220	20				9.09			2,000	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
7	220			8 - Emergency Light / 2 - Exit Light	8.18				1,800	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
8	220			5 - Emergency Light / 1 - Exit Light	4.91				1,100	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
9	220			8 - Emergency Light / 1 - Exit Light			7.36		1,620	20AT, 2P, Bolt-On	2 - 3.5mm² THHN + 1 - 2.0mm² TW in 20mmØ PVC
10	220			Spare			5.82		1,300	30AT, 2P, Bolt-On	
11	220			Spare		5.82			1,300	30AT, 2P, Bolt-On	
12	220			Space						30AT, 2P, Bolt-On	
				TOTAL	27.64	24.55	28.27	-	17,700		

I_t = 28.27 * √3 = 48.97 Amperes

Feeder Line:
Use: 3 - 14mm² THHN + 1 - 5.5mm² TW (G) in 25mmØ IMC / Y14

1 **RISER DIAGRAM** NOT TO SCALE

1 **SCHEDULE OF LOADS** NCT TO SCALE

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SF CIVIC CENTER - D.BRG. Bagi QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA (Actg. prep)
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
RISER DIAGRAM
SCHEDULE OF LOADS

PROJECT NO.:

DATE	August 2020
DRAWN BY	A. A.V. GAMBOA
DESIGNED BY	Engr. A.V. GAMBOA
CHECKED BY	Engr. T.B. INFANTE

SHEET NO.: **EL-02**

PANEL: DPA (GROUND FLOOR)
MAIN: 400AT, 100AF, 3P
65KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3P	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220			LPA	45.[illegible]	20.[illegible]	38.[illegible]		21,600	100AT, 3P, MCCB	3-80mm² THHN + 1-50mm² THWN in 32mm ø RMC/IMC
2	220				7.[illegible]	50.[illegible]	42.[illegible]		20,130	50AT, 3P, MCCB	3-50mm² THHN + 1-22mm² THWN in 20mm ø RMC/IMC
3	220				24.[illegible]	1.[illegible]	1.[illegible]		5,280	30AT, 3P, BOLT-ON	2-14mm² THHN + 1-5.5mm² TW in 20mm ø RMC/IMC
4	220				7.[illegible]	14.[illegible]	20.[illegible]		10,120	20AT, 3P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TW in 25mm ø RMC/IMC
5	220				27.[illegible]	24.[illegible]	27.[illegible]		12,700	30AT, 3P, BOLT-ON	2-14mm² THHN + 1-5.5mm² TW in 20mm ø RMC/IMC
6	220				27.[illegible]	24.[illegible]	27.[illegible]		12,700	30AT, 3P, BOLT-ON	2-14mm² THHN + 1-5.5mm² TW in 20mm ø RMC/IMC
7	220			SPACE							
8	220			SPACE							
				TOTAL	220.01	191.23	204.04		137,9[illegible]		

I_t = 320.17 (A) x (F.C. = 0.25) = 80.04 Amperes

Feeder Line:
Use 3-250mm² THHN + 1-100mm² THWN in 50mm ø RMC/IMC

PANEL: LPA (GROUND FLOOR)
MAIN: 100AT, 100AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3P	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	1		2-Ceiling Fan	5.77				1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
2	220	2		2-Ceiling Fan	5.77				1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
3	220	3				5.77			1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
4	220	4					5.77		1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
5	220	5		1-Exhaust Fan	4.66				1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
6	220	6				4.66			1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
7	220	7					4.66		1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
8	220	8		1-Ceiling Fan	2.96				640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
9	220	9				2.96			640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
10	220	10					2.96		640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
11	220	11		1-Exhaust Fan	4.66				1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
12	220	12				4.66			1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
13	220	13					4.66		1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
14	220	14		1-Ceiling Fan	2.96				640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
15	220	15				2.96			640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
16	220	16					2.96		640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
17	220	17		1-Exhaust Fan	4.66				1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
18	220	18				4.66			1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
19	220	19					4.66		1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
20	220	20		1-Ceiling Fan	2.96				640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
21	220	21				2.96			640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
22	220	22					2.96		640	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
23	220	23		1-Exhaust Fan	4.66				1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
24	220	24				4.66			1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
25	220	25					4.66		1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
26	220	26		Spare		5.82			1,300	30AT, 2P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
				TOTAL	42.77	21.41	39.53		21,600		

I_t = 42.77 (A) x (F.C. = 0.25) = 10.69 Amperes

Feeder Line:
Use 3-30mm² THHN + 1-8.0mm² TWN in 25mm ø RMC/IMC

PANEL: PPA (GROUND FLOOR)
MAIN: 150AT, 20AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3P	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	1				5.55			1,220	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
2	220	2					5.55		1,220	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
3	220	3			5.92				1,300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
4	220	4				5.92			1,300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
5	220	5		2-Emergency Light + 2-Exit Light			5.18		1,140	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
6	220	6		2-Emergency Light + 2-Exit Light			5.18		1,140	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
7	220	7		Sump Pump	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
8	220	8				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
9	220	9					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
10	220	10		Sump Pump	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
11	220	11				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
12	220	12					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
13	220	13		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
14	220	14				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
15	220	15					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
16	220	16		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
17	220	17				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
18	220	18					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
19	220	19		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
20	220	20				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
21	220	21					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
22	220	22		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
23	220	23				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
24	220	24					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
25	220	25		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
26	220	26				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
27	220	27					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
28	220	28		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
29	220	29				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
30	220	30					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
31	220	31		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
32	220	32				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
33	220	33					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
34	220	34		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
35	220	35				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
36	220	36					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
37	220	37		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
38	220	38				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
39	220	39					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
40	220	40		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
41	220	41				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
42	220	42					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
43	220	43		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
44	220	44				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
45	220	45					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
46	220	46		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
47	220	47				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
48	220	48					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
				TOTAL	77.73	68.34	67.97		48,110		

I_t = 77.73 (A) x (F.C. = 0.25) = 19.43 Amperes

Feeder Line:
Use 3-30mm² THHN + 1-14mm² TWN in 25mm ø RMC/IMC

PANEL: DPB (SECOND FLOOR)
MAIN: 300AT, 30AF, 3P
65KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3P	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220				5.92				1,300	30AT, 2P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
2	220					5.92			1,300	30AT, 2P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
3	220						5.92		1,300	30AT, 2P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
4	220			SPARE							
5	220			SPARE							
				TOTAL	139.91	139.55	135.14		92,370		

I_t = 139.91 (A) x (F.C. = 0.25) = 34.98 Amperes

Feeder Line:
Use 3-1.25mm² THHN + 1-8mm² TWN in 25mm ø RMC/IMC

PANEL: LPB (SECOND FLOOR)
MAIN: 100AT, 100AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3P	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	1		2-Ceiling Fan	5.27				1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
2	220	2		2-Ceiling Fan		5.27			1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
3	220	3		2-Ceiling Fan			5.27		1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
4	220	4		2-Ceiling Fan	5.27				1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
5	220	5		2-Ceiling Fan		5.27			1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
6	220	6		2-Ceiling Fan			5.27		1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
7	220	7		2-Ceiling Fan	5.27				1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
8	220	8		2-Ceiling Fan		5.27			1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
9	220	9		2-Ceiling Fan			5.27		1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
10	220	10		1-Exhaust Fan	4.66				1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
11	220	11				4.66			1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
12	220	12					4.66		1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
13	220	13		1-Exhaust Fan	4.66				1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
14	220	14				4.66			1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
15	220	15					4.66		1,000	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
16	220	16		Spare		5.82			1,300	30AT, 2P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
17	220	17		Spare	5.82				1,300	30AT, 2P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
18	220	18		Spare		5.82			1,300	30AT, 2P, BOLT-ON	2-5.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
				TOTAL	40.36	40.95	37.54		20,040		

I_t = 40.36 (A) x (F.C. = 0.25) = 10.09 Amperes

Feeder Line:
Use 3-30mm² THHN + 1-14mm² TWN in 25mm ø RMC/IMC

PANEL: PPB (SECOND FLOOR)
MAIN: 200AT, 200AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3P	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	1				5.55			1,220	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
2	220	2					5.55		1,220	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
3	220	3			5.55				1,220	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
4	220	4				5.55			1,220	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
5	220	5					5.55		1,220	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
6	220	6		Emergency Light + 2-Exit Light			5.18		1,140	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
7	220	7		Emergency Light + 2-Exit Light			5.18		1,140	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
8	220	8		Sump Pump	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
9	220	9				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
10	220	10					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
11	220	11		Sump Pump	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
12	220	12				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
13	220	13					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
14	220	14		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
15	220	15				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
16	220	16					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
17	220	17		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
18	220	18				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
19	220	19					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
20	220	20		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
21	220	21				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
22	220	22					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
23	220	23		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
24	220	24				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
25	220	25					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
26	220	26		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
27	220	27				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
28	220	28					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
29	220	29		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
30	220	30				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
31	220	31					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
32	220	32		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
33	220	33				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
34	220	34					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
35	220	35		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
36	220	36				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
37	220	37					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
38	220	38		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
39	220	39				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
40	220	40					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
41	220	41		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
42	220	42				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
43	220	43					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
44	220	44		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
45	220	45				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
46	220	46					1.36		300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
47	220	47		Fire Alarm	1.36				300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
48	220	48				1.36			300	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
				TOTAL	72.82	61.69	73.16		47,540		

I_t = 72.82 (A) x (F.C. = 0.25) = 18.20 Amperes

Feeder Line:
Use 3-50mm² THHN + 1-22mm² TWN in 50mm ø RMC/IMC

PANEL: PPC (THIRD FLOOR)
MAIN: 125AT, 100AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3P	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	1				3.96			870	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
2	220	2					3.96		870	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
3	220	3			6.55				1,440	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
4	220	4				6.55			1,440	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
5	220	5					6.55		1,440	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
6	220	6		2-Ceiling Fan	5.27				1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
7	220	7				5.27			1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
8	220	8					5.27		1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
9	220	9		2-Ceiling Fan	5.27				1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
10	220	10				5.27			1,160	20AT, 2P, BOLT-ON	2-3.5mm² THHN + 1-3.5mm² TWN in 20mm ø PVC
11	220	11

PANEL: PPH (SEVENTH FLOOR)
MAIN: 70AT, 100AF, 3P
15KAIC, 240V, 3Ø1 T-ON

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220		1			955			1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220		1			955			1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220		1				1100		900	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220		1				1100		900	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220			5-Emergency Light (5-Fan light)		575			690	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220			5-Emergency Light (5-Fan Light)		575			690	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220			Space							
14	220			Space							
				TOTAL	3910	2090	2145		18200		

I = 82.81 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-38mm² THHN + 1-5.5mm² TWin (3mm² Earth) 32mm² PVC

PANEL: PPG (SEVENTH FLOOR)
MAIN: 100AT, 100AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220			5-Exhaust Fan			592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220			5-Exhaust Fan			592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220			5-Exhaust Fan	592				1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
14	220				592				1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
15	220						592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
16	220						592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
17	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
18	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
19	220				455				1000	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
20	220			Space							
				TOTAL	45.18	42.36	34.73		26,900		

I = 45.18 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-30mm² THHN + 1-8.0mm² TWin (5.5mm² CMC) 50mm² PVC

PANEL: PPH (SIXTH FLOOR)
MAIN: 100AT, 100AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220		1			955			1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220		1			955			1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220		1			1100			900	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220		1			1100			900	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220			5-Emergency Light (5-Fan Light)			575		690	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
14	220			5-Emergency Light (5-Fan Light)			575		690	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
15	220			Space							
16	220			Space							
				TOTAL	34.55	30.96	25.32		19,950		

I = 34.55 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-30mm² THHN + 1-8.0mm² TWin (5.5mm² CMC) 50mm² PVC

PANEL: PPG (SEVENTH FLOOR)
MAIN: 100AT, 100AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220		1	2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220		1	2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220		1	2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220		1	2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220		1	2-Ceiling Fan		527			1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220		1	2-Ceiling Fan		527			1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220		1	2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220		1	2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220		1	2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220		1	2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220					592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
14	220					592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
15	220						592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
16	220						592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
17	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
18	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
19	220				455				1000	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
20	220			Space							
				TOTAL	45.18	42.36	34.73		26,900		

I = 45.18 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-30mm² THHN + 1-8.0mm² TWin (5.5mm² CMC) 50mm² PVC

PANEL: PPH (BOTTOM FLOOR)
MAIN: 100AT, 100AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220		1			955			1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220		1			955			1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220		1		955				1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220		1				955		1145	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220			5-Emergency Light (5-Emergency Light)		575			690	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220			5-Emergency Light (5-Emergency Light)		575			690	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220			Space							
14	220			Space							
				TOTAL	37.73	34.81	24.82		24,520		

I = 37.73 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-30mm² THHN + 1-8.0mm² TWin (5.5mm² CMC) 50mm² PVC

PANEL: LPPS (TYPICAL 20 ALL SCIENCE LABORATORY)
MAIN: 70AT, 100AF, 3P
15KAIC, 240V, 3Ø1 T-ON

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	1		1-Ceiling Fan	425				935	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220	1			425				935	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220		1				1100		1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220		1	3-Exhaust			1100		1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220			3-Exhaust		1100			1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220			3-Exhaust		1100			1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220			3-Exhaust			1100		1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220			3-Exhaust			1100		1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220			5-Emergency Light (2-Emergency Light)	342				750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220			5-Emergency Light (2-Emergency Light)	342				750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220						455		1000	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220						455		1000	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220			5-Emergency Light (2-Emergency Light)		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
14	220			5-Emergency Light (2-Emergency Light)		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
15	220			Space		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
16	220			Space		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
				TOTAL	26.18	27.00	21.27		16,350		

I = 26.18 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-30mm² THHN + 1-5.5mm² TWin (3mm² Earth) 32mm² PVC

PANEL: PPG (SEVENTH FLOOR)
MAIN: 40AT, 100AF, 3P
15KAIC, 240V, 3Ø1 T-ON

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220			2-Ceiling Fan		527			1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220			2-Ceiling Fan		527			1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220			2-Ceiling Fan	527				1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220			2-Ceiling Fan			527		1160	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220					592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
14	220					592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
15	220						592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
16	220						592		1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
17	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
18	220			5-Exhaust Fan		592			1300	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
19	220				455				1000	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
20	220			Space							
				TOTAL	45.18	42.36	34.73		26,900		

I = 45.18 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-30mm² THHN + 1-8.0mm² TWin (5.5mm² CMC) 50mm² PVC

PANEL: PPG (TYPICAL TO ALL COMPUTER LABORATORY)
MAIN: 125AT, 200AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220	1			1161				2555	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
2	220	1			1161				2555	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
3	220		12				1162		2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
4	220		12				1162		2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
5	220		12			1162			2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
6	220		12			1162			2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
7	220		12				1162		2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
8	220		12				1162		2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
9	220			3-Exhaust	1162				2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
10	220			3-Exhaust	1162				2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
11	220			3-Exhaust		1162			2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
12	220			3-Exhaust		1162			2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
13	220			3-Exhaust			1162		2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
14	220			3-Exhaust			1162		2150	50AT, 2P, Bolt-On	2-5.5mm² THHN + 1-2.0mm² TWin 25mm² PVC
15	220			5-Emergency Light (5-Emergency Light)	342				750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
16	220			5-Emergency Light (5-Emergency Light)	342				750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
17	220			Space	342				750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
18	220			Space	342				750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
				TOTAL	47.73	43.45	37.64		37,560		

I = 53.84 (0.8 × 103.52) = 69.78 Amperes
Feeder Line:
Use 3-25mm² THHN + 1-8.0mm² TWin (5.5mm² CMC) 40mm² PVC

PANEL: LPPA (TYPICAL TO ALL SCIENCE LABORATORY)
MAIN: 125AT, 200AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220		1	2-Wall Outlet Pump					935	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220			Sump Pump					935	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220			2-Wall Outlet Pump					1210	20AT, 2P, MCCB	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220			Space							
14	220			Space							
				TOTAL	26.18	27.00	21.27		16,350		

I = 26.18 (0.8 × 103.52) Amperes
Feeder Line:
Use 3-30mm² THHN + 1-5.5mm² TWin (3mm² Earth) 32mm² PVC

PANEL: LPPB (TYPICAL TO ALL BIOLOGY LABORATORY)
MAIN: 125AT, 200AF, 3P
25KAIC, 240V, MCCB

CKT NO.	VOLTS	OUTLET LO	OUTLET CO	OTHER LOAD SERVICE	AMPERE LOAD AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	SIZE OF WIRE
1	220		1	1-Ceiling Fan	425				935	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
2	220		1		425				935	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
3	220			3-Exhaust			1100		1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
4	220			3-Exhaust			1100		1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
5	220			3-Exhaust		1100			1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
6	220			3-Exhaust		1100			1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
7	220			3-Exhaust	1100				1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
8	220			3-Exhaust	1100				1210	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
9	220			5-Emergency Light (2-Emergency Light)		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
10	220			5-Emergency Light (2-Emergency Light)		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
11	220						455		1000	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
12	220						455		1000	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
13	220			5-Emergency Light (2-Emergency Light)		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-2.0mm² TWin 20mm² PVC
14	220			5-Emergency Light (2-Emergency Light)		342			750	20AT, 2P, Bolt-On	2-3.5mm² THHN + 1-

1 SITE DEVELOPMENT LIGHTING LAYOUT

SCALE 1:150 METERS

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CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER - DIJIKO BLDG, QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fcap, pacp
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :
SITE DEVELOPMENT PLAN LIGHTING LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Eng: A.R. Gammad
CHECKED BY	Eng: T.B. Intano

SHEET NO :
EL-05

1 LOWER GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - 3 BRO Bldg, QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

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OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS :
LOWER GROUND LIGHTING LAYOUT

PROJECT NO :

DATE	August 2020
DRAWN BY	Ar. A.V. Garmoda
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T. B. Infante

SHEET NO.
EL-06

1 GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100 METERS

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CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D (BRO. Bldg), QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN QUEZON CITY

PROVISO

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, prep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:-
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :
GROUND FLOOR LIGHTING LAYOUT

PROJECT NO.:	
DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gaminad
CHECKED BY	Engr. T. B. Infante

SHEET NO.: EL-07

1 SECOND FLOOR LIGHTING LAYOUT

SCALE 1:100 METERS

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CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER - D (BRO. Bogs), QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, DILIMAN QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Rasp. prep
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ENGR. ISAGANI R. VERZOSA, JR
O/C CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY
WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL
BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C.

SHEET CONTENTS :

SECOND FLOOR LIGHTING LAYOUT

PROJECT NO.

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gamirad
CHECKED BY	Engr. T. B. Infante

SHEET NO.:

EL-08

1 THIRD FLOOR LIGHTING LAYOUT

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SP CIVIC CENTER - D BPO Bldg, QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, plep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC CITY ENGINEER

APPROVED BY

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION: BRGY. BAGBAG, NOVALICHES Q.C

SHEET CONTENTS :

THIRD FLOOR LIGHTING LAYOUT

PROJECT NO :

DATE	August 2020
DRAWN BY	Ar. A.V. Garrido
DESIGNED BY	Engr. A.R. Gonzaga
CHECKED BY	Engr. T. B. Infante

SHEET NO.:

EL-09

1 FOURTH FLOOR LIGHTING LAYOUT

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
3F CIVIC CENTER - D (BRO. Bag), QUEZON CITY HALL COMPOUND
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA *lucp, plep*
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION: BRGY. BAGBAG, NOVA LICHES, Q.C

SHEET CONTENTS:
FOURTH FLOOR LIGHTING LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gamiao
CHECKED BY	Engr. T. B. Infante

SHEET NO.:
EL-10

1 **FIFTH FLOOR LIGHTING LAYOUT (NOT INCLUDED IN THIS PROGRAM)**

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D (BRGY. BAGBAG) QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, uap, plep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, Q.C.

SHEET CONTENTS:
FIFTH FLOOR LIGHTING LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T.B. Infante

SHEET NO.:
EL-11

1 **FIFTH FLOOR LIGHTING LAYOUT (NOT INCLUDED IN THIS PROGRAM)**

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SP CIVIC CENTER - DIBRO, BBB, QUEZON CITY HALL COMPOUND,
BUPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, *lsap, piep*
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
Q.C.

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :
FIFTH FLOOR LIGHTING LAYOUT

SCALE 1:100 METERS

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar A.V. Garbos
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T. B. Inlante

SHEET NO.: **EL-11**

1 SIXTH FLOOR LIGHTING LAYOUT (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SFC CIVIC CENTER - D-BERO, BRGY. QUEZON CITY - HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA rasp. plep
CITY ARCHITECT

ENGR. USAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR Q.C

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
SIXTH FLOOR LIGHTING LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T.B. Infante

SHEET NO.: **EL-12**

SCALE 1:100 METERS

1 SEVENTH FLOOR LIGHTING LAYOUT (NOT INCLUDED IN THIS PROGRAM)

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CMC CENTER - DIBRO, Brgy. QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, D. LAMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, *Iuap, piep*
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR
Q.C.

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :

SEVENTH FLOOR LIGHTING LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T. B. Infante

SHEET NO.:

EL-13

1 **EIGHT FLOOR LIGHTING LAYOUT (NOT INCLUDED IN THIS PROGRAM).**

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SF CIVIC CENTER - 2 BRGY. DILIMAN, QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA

APPROVED BY :

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGRAC INTEGRATED VOCATIONAL

SHEET CONTENTS :

EIGHT FLOOR LIGHTING LAYOUT

PROJECT NO.:

SHEET NO.:

SCALE 1:100 METERS

1 AUDITORIUM FLOOR LIGHTING LAYOUT (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D (BRO.BAG), QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA *Temp. Disp.*
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :

AUDITORIUM FLOOR LIGHTING LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa / GR. T.
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T.B. Infante

SHEET NO.: EL-15

1 LOWER DECK LIGHTING AND POWER LAYOUT (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D-SIRO, Brgy. Q.C. Hall Compound, Elliptical Road, Diliman, Quezon City

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA (Asst. plep)
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION: BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
LOWER DECK LIGHTING AND POWER LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Eng: A.R. Gammad
CHECKED BY	Eng: T.B. Infante

SHEET NO.: EL-16

SCALE 1:100 METERS

1 LOWER GROUND FLOOR POWER LAYOUT

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SP CIVIC CENTER - D-BERO, Bldg, QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, piep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR Q.C.

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
LOWER GROUND POWER LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gamboa
CHECKED BY	Engr. T.B. Inigo

SHEET NO.:
EL-17

1 GROUND FLOOR POWER LAYOUT

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - ENRIQUEZ BLDG, QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, plep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :
GROUND FLOOR POWER LAYOUT

SCALE 1:100 METERS

PROJECT NO.:	
DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Eng. A.R. Gamboa
CHECKED BY	Eng. T.B. Infante

SHEET NO.: EL-18

1 SECOND FLOOR POWER LAYOUT

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - D (BLDG. BLDG. QUEZON CITY HALL COMPOUND.
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Fasp, plep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR Q.C.

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :
SECOND FLOOR POWER LAYOUT

PROJECT NO.:	
DATE	August 2020
DRAWN BY	Ar. A.V. Garmboa
DESIGNED BY	Eng. A.R. Garmboa
CHECKED BY	Eng. T.B. Infante

SHEET NO.: EL-19

1 **THIRD FLOOR POWER LAYOUT**

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5th CIVIC CENTER - D (BRG. Bgy), QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Nap, pscp
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
THIRD FLOOR POWER LAYOUT

SCALE 1:100 METERS

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gammad

SHEET NO.: **EL-20**

SCALE 1:100 METERS

1 FOURTH FLOOR POWER LAYOUT

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SP CIVIC CENTER - D (BRO.BAG), QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA *for.ap, pacp*
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :
FOURTH FLOOR POWER LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Garmad
CHECKED BY	Engr. T. B. Infante

SHEET NO.:
EL-21

1 **FIFTH FLOOR POWER LAYOUT (NOT INCLUDED IN THIS PROGRAM)**

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SP CIVIC CENTER - D (BRO.ENG), QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, pep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR Q.C.

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :

FIFTH FLOOR POWER LAYOUT

PROJECT NO :

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gamboa
CHECKED BY	Engr. T.B. Arlante

SHEET NO.:

EL-22

1 SIXTH FLOOR POWER LAYOUT (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SFCIVIC CENTER - D (BRO.IBAG), QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, pep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR Q.C.

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
SIXTH FLOOR POWER LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T.B. Infante

SHEET NO.:
EL-23

1 SEVENTH FLOOR POWER LAYOUT (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - 2 (BRX. Bldg), QUEZON CITY HALL COMPOUND,
ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, Ecaja, phep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE :

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS :

SEVENTH FLOOR POWER LAYOUT

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T. B. Infante

SHEET NO.: EL-24

1 EIGHT FLOOR POWER LAYOUT (NOT INCLUDED IN THIS PROGRAM)

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
6F CIVIC CENTER - D-BPO, Brgy. Diliman, QUEZON CITY HALL COMPOUND, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, pap
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR, Q.C

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
EIGHT FLOOR LIGHTING LAYOUT

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gamroad
CHECKED BY	Engr. T. B. Infante

PROJECT NO.:

SHEET NO.: EL-25

1 **AUDITORIUM FLOOR POWER LAYOUT (NOT INCLUDED IN THIS PROGRAM)**

1 **LOWER DECK POWER LAYOUT** SCALE 1:100 MTR

SCALE 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CMC CENTER - DBRO, Brgy. Quezon City Hall Compound, Elliptical Road, Diliman, Quezon City

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA *Tunp. ptep*
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
AUDITORIUM FLOOR POWER LAYOUT
LOWER DECK POWER LAYOUT

PROJECT NO.:

SHEET NO.: **EL-26**

DATE	August 2020
DRAWN BY	Ar. A.V. Gemboa
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T. B. Infante

1 GROUNDING SYSTEM LAYOUT AND MAIN FEEDER LINE

GROUND ROD DETAIL/TYPICAL GROUND TEST WELL DETAIL

1 GROUNDING DETAILS

NOT TO SCALE

SCALE 1:150 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F CIVIC CENTER - DIBORO BLDG, QUEZON CITY HALL COMPOUND, ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, piep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
GROUNDING SYSTEM LAYOUT
GROUNDING DETAILS

PROJECT NO.:	
DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.D. Cruz
SHEET NO.:	EL-27

1 LIGHTNING SYSTEM LAYOUT

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
5F SWC CENTER - D-BRGO. BAG), QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, piep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPEMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, Q.C

SHEET CONTENTS:
LIGHTNING SYSTEM LAYOUT

SCALE 1:100 METERS

PROJECT NO.:

DATE	August 2020
DRAWN BY	Ar. A.V. Gamboa
DESIGNED BY	Engr. A.R. Gammad
CHECKED BY	Engr. T. B. Intanje

SHEET NO.: **EL-28**

1 LOWER GROUND FLOOR FIRE DETECTION AND ALARM SYSTEM LAYOUT

SCALE 1:100 METERS (24 x 36)

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SF CIVIC CENTER - D (BRO. BIÑA), QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
MAYOR

PROJECT TITLE:

PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT

LOCATION: BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS:

LOWER GROUND FIRE DETECTION AND ALARM SYSTEM LAYOUT

PROJECT NO.:	
DATE	August 2019
DRAWN BY	M.A.F.
DESIGNED BY	Engr. E.R. Sibucao
CHECKED BY	Engr. E.R. Sibucao

SHEET NO.: EL-29

1 GROUND FLOOR FIRE DETECTION AND ALARM SYSTEM LAYOUT

SCALE 1:100 METERS (24 x 36)

Republika ng Pilipinas
Lungsod ng Quezon
CITY ARCHITECT DEPARTMENT
SFCMC CENTER - D (BRO.BRAG), QUEZON CITY HALL COMPOUND,
ELIPTICAL ROAD, DILIMAN, QUEZON CITY

PROVISO:

RECOMMENDING APPROVAL

ARCH. LUCILLE H. CHUA, fuap, pcep
CITY ARCHITECT

ENGR. ISAGANI R. VERZOSA, JR
OIC, CITY ENGINEER

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
MAYOR Q.C.

PROJECT TITLE :
PROPOSED CONSTRUCTION OF EIGHT(8)-STOREY WITH BASEMENT BAGBAG INTEGRATED HIGH SCHOOL BUILDING INCLUDING LAND DEVELOPMENT
LOCATION : BRGY. BAGBAG, NOVALICHES, QC

SHEET CONTENTS :
GROUND FLOOR FIRE DETECTION AND ALARM SYSTEM LAYOUT

PROJECT NO.:

DATE	August 2019
DRAWN BY	M.A.F.
DESIGNED BY	Engr. E.R.Sibucao
CHECKED BY	Engr. E.R.Sibucao

SHEET NO.: EL-30