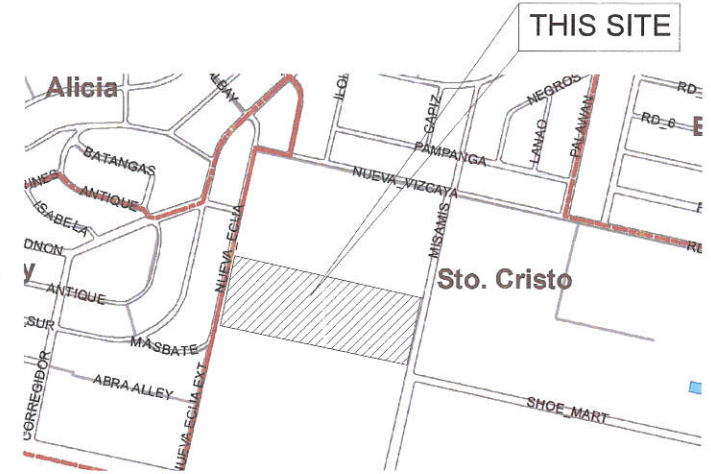
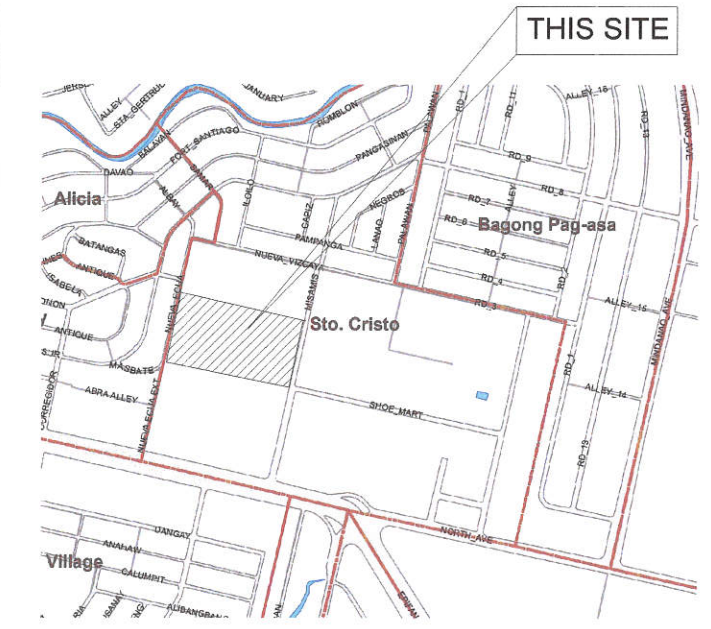


20-00146



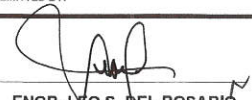
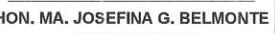
1 VICINITY MAP SCALE :N.T.S.



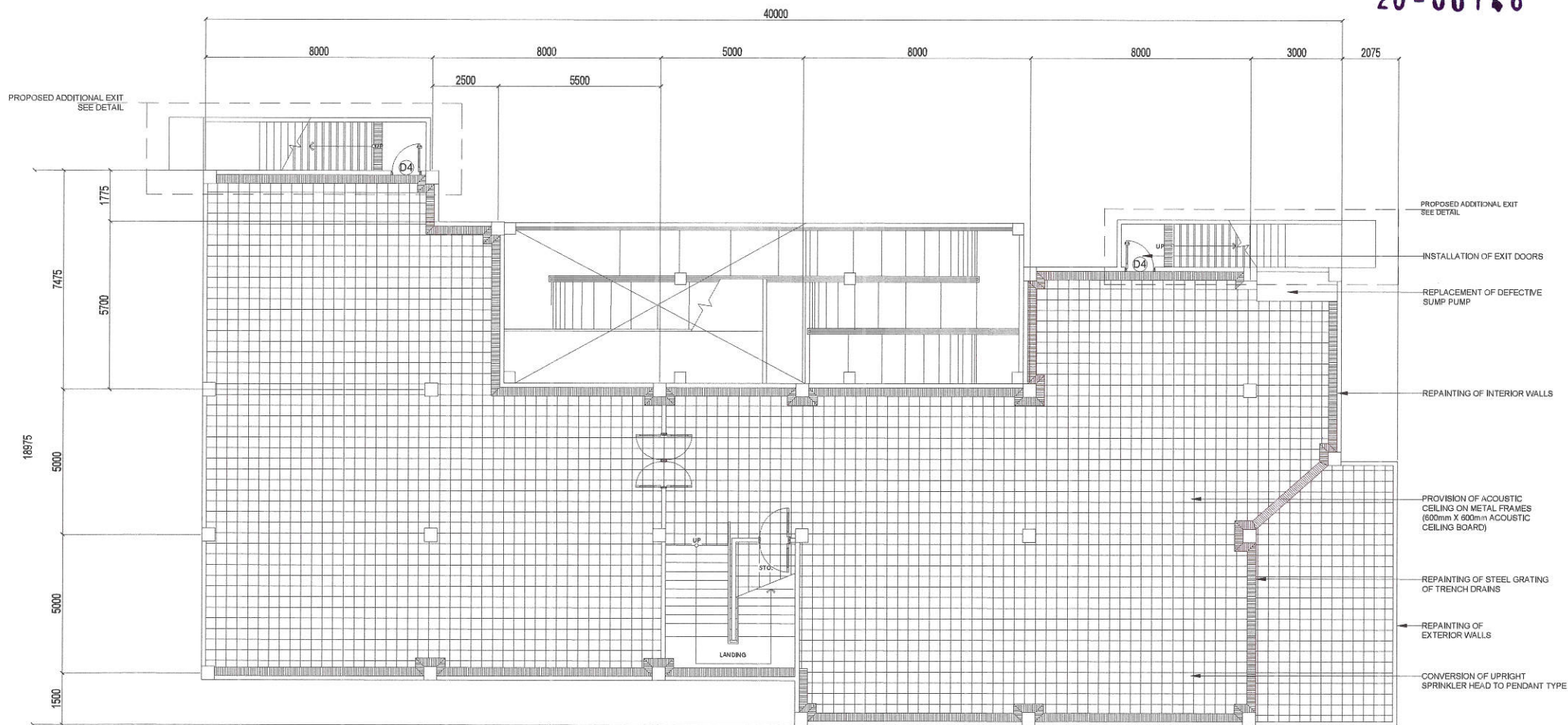
2 LOCATION MAP SCALE :N.T.S.



3 PERSPECTIVE SCALE :N.T.S.

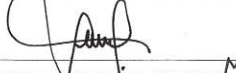
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY: 	SUBMITTED BY:	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :				VICINITY MAP LOCATION MAP PERSPECTIVE	AR-01
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY: 	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		

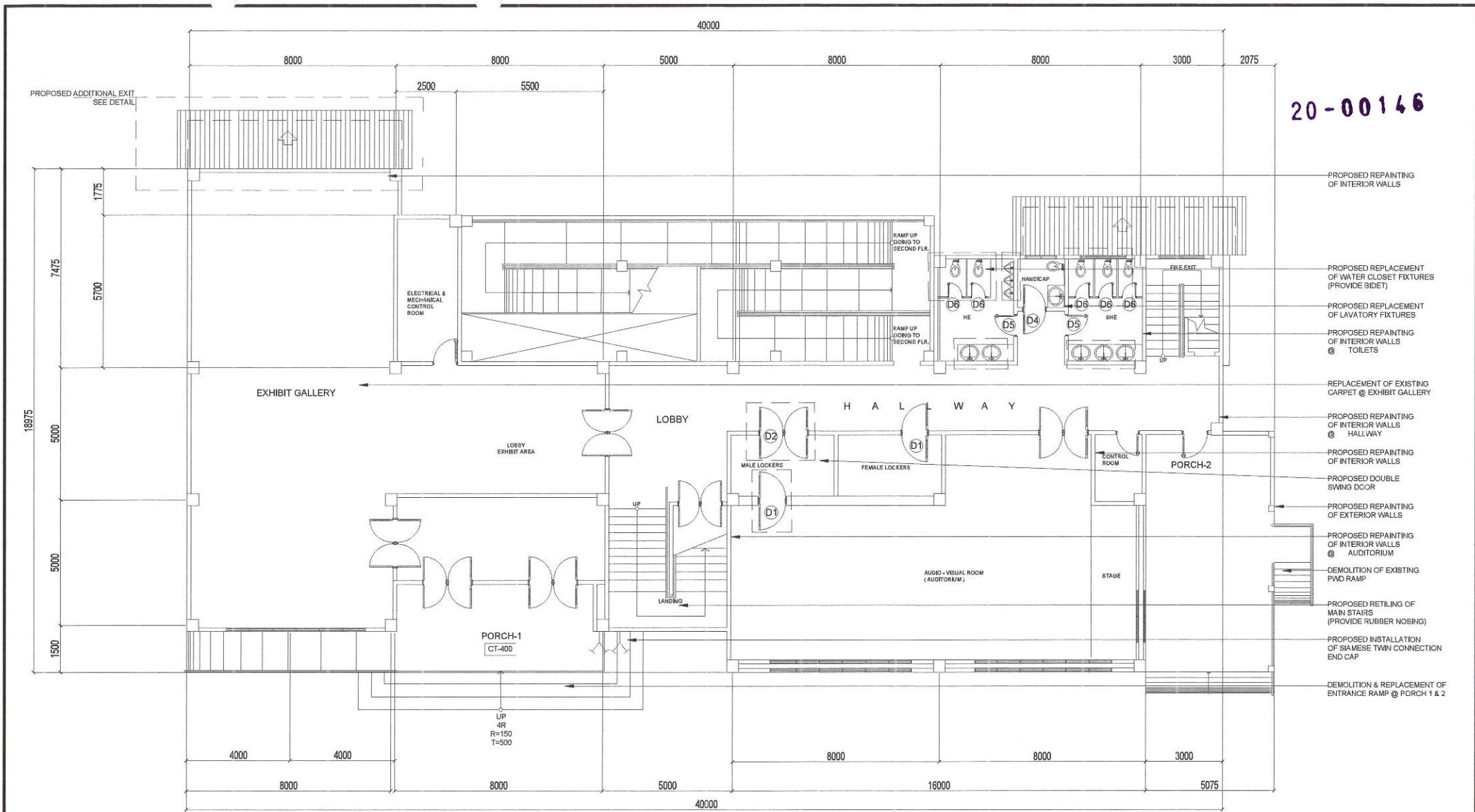
20-00146



1 BASEMENT FLOOR PLAN

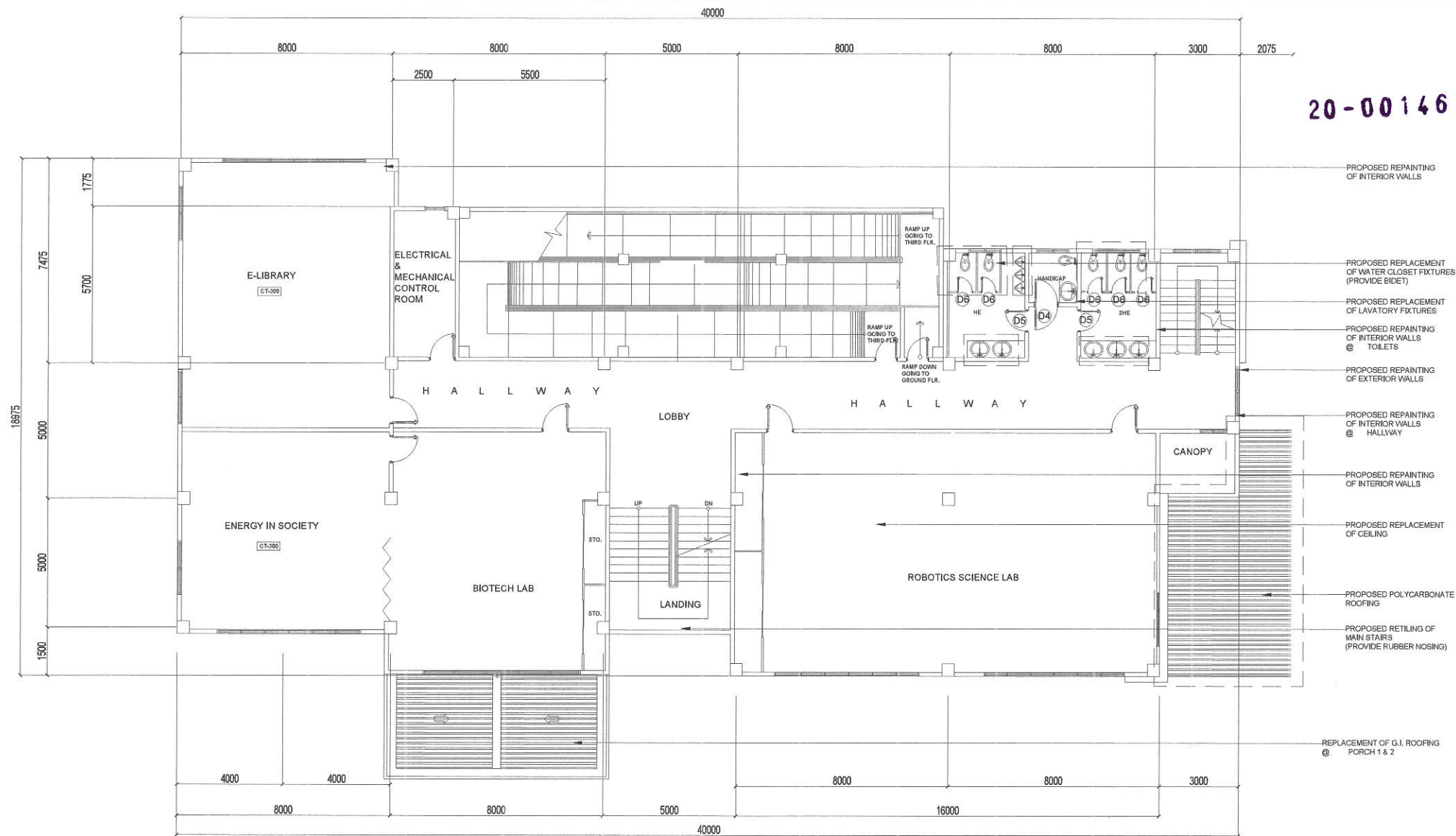
SCALE :N.T.S.

 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	 ENGR. SAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	BASEMENT FLOOR PLAN	AR-02
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY : 					
		REVISION NO.:					



20-00146

1		GROUND FLOOR PLAN					SCALE : N.T.S.		
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :		DRAWN BY : 	SUBMITTED BY:	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.	
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER		DATE :				GROUND FLOOR PLAN	AR-03	
			CHECKED BY : 						
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY		REVISION NO.:		ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION		ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT		HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY



1 SECOND FLOOR PLAN

SCALE :N.T.S.



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :

**PROPOSED REHABILITATION OF
QUEZON CITY SCIENCE
INTERACTIVE CENTER**

LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY: LA

DATE :

CHECKED BY: _____

REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL :

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

APPROVED BY :

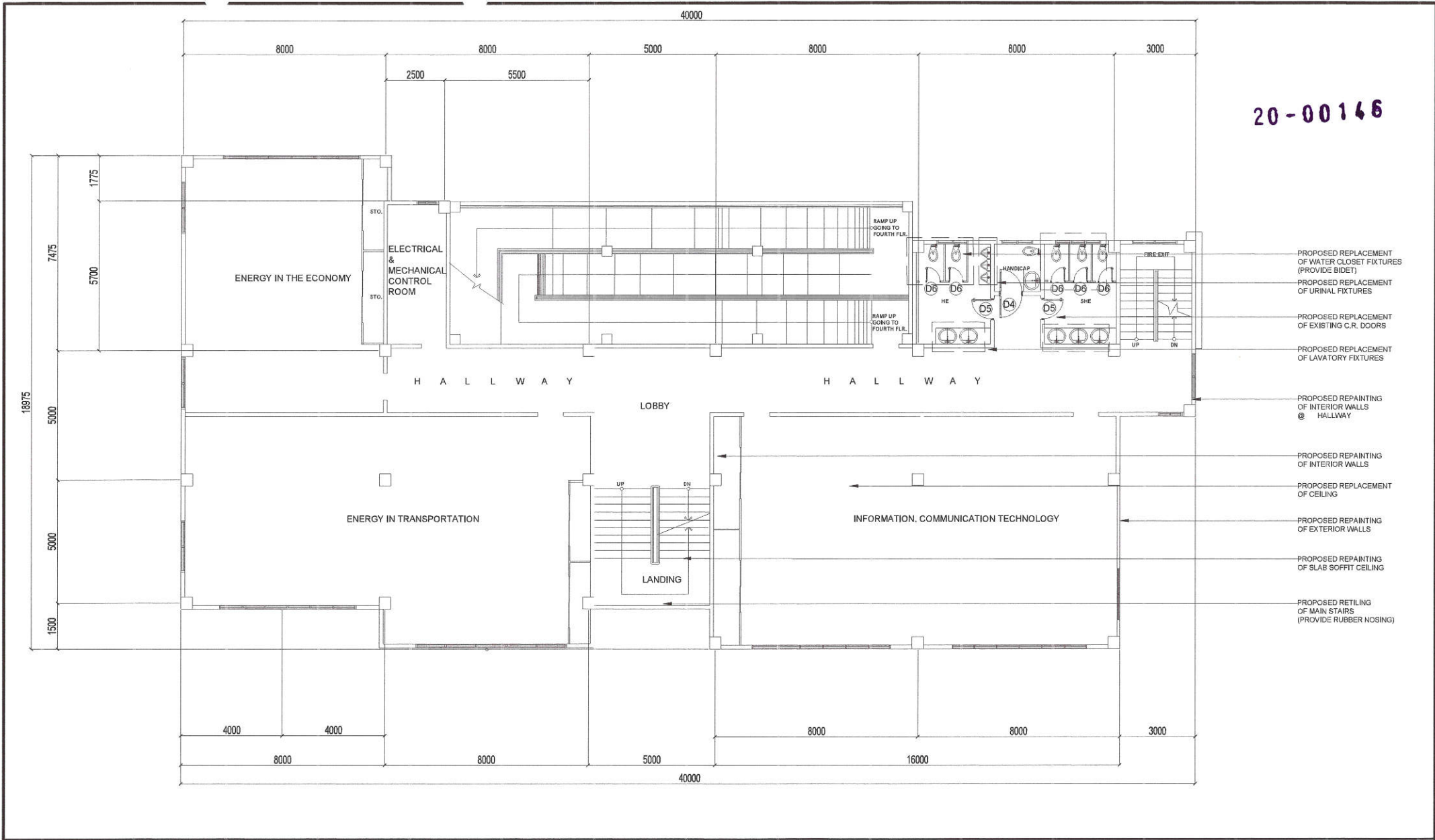
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

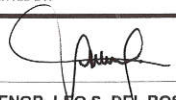
SHEET CONTENT

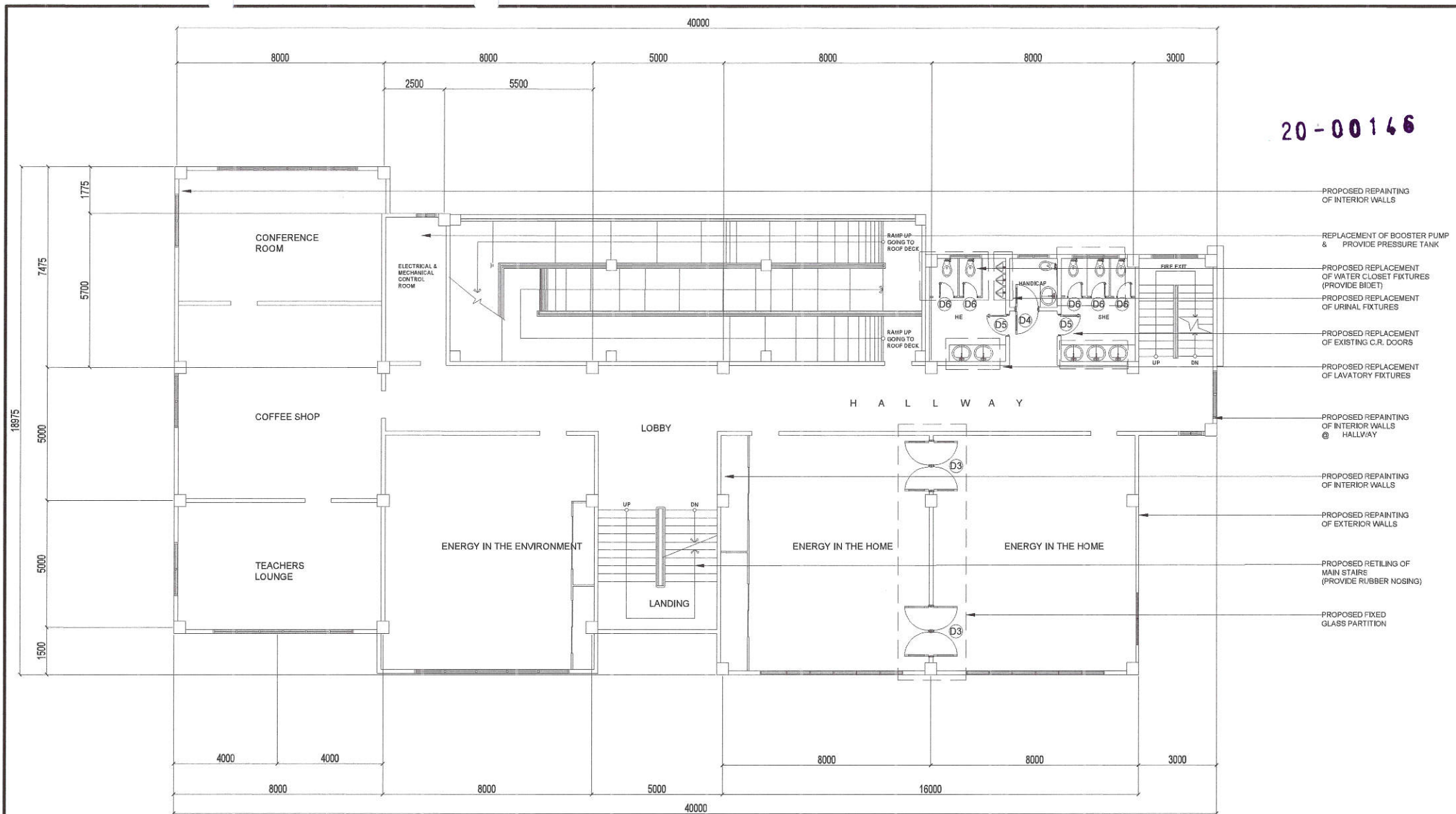
SECOND FLOOR PLAN

SHEET NO.

AR-04



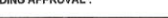
1		THIRD FLOOR PLAN					SCALE :N.T.S.	
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :		DRAWN BY: 	SUBMITTED BY:	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER		DATE :	 ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. CIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	THIRD FLOOR PLAN	AR-05
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY		CHECKED BY: 					
			REVISION NO.:					

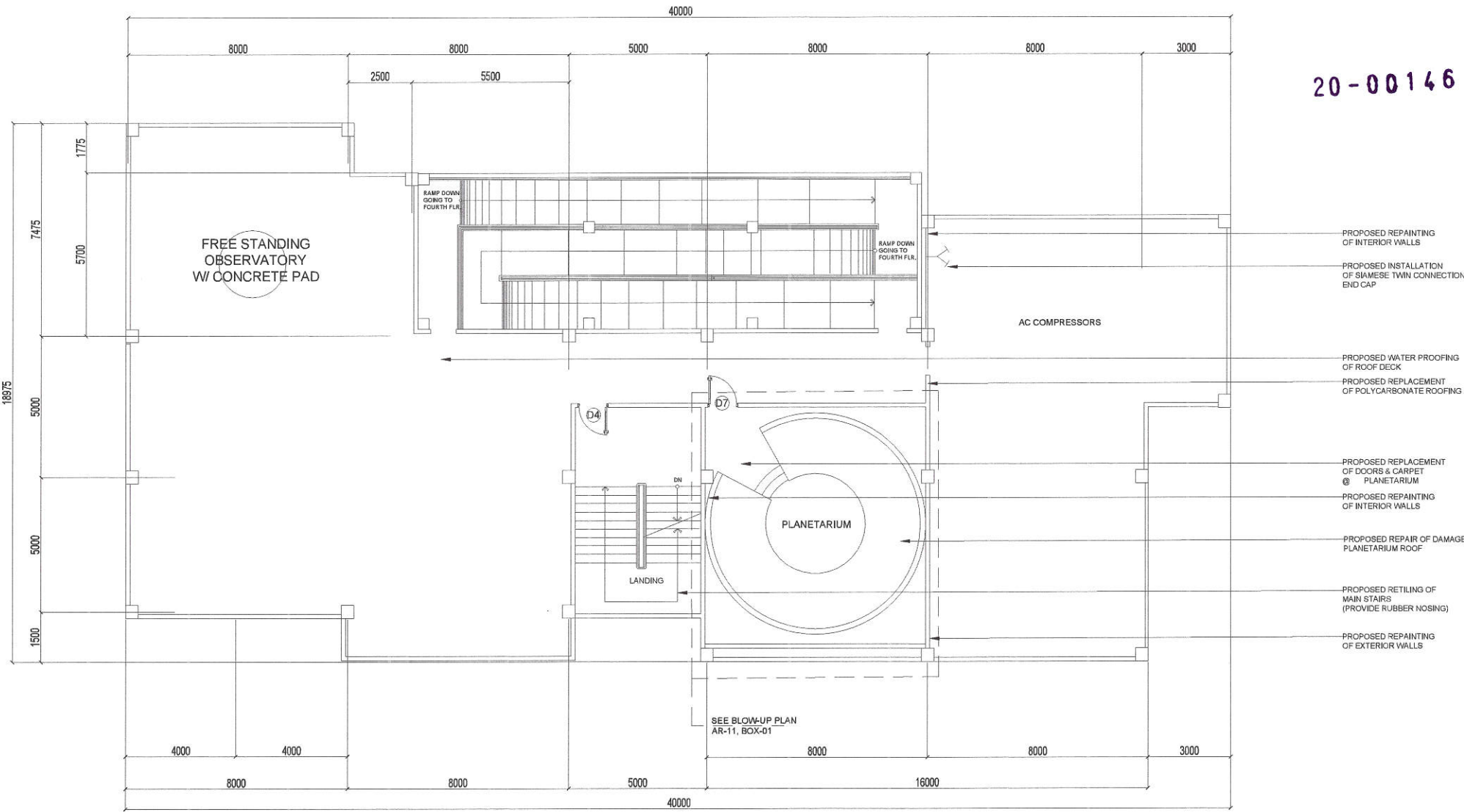


1 | FOURTH FLOOR PLAN

SCALE :N.T.S.



PROJECT TITLE :		DRAWN BY : <i>LEO</i>	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER		DATE :			_____	FOURTH FLOOR PLAN	AR-06
		CHECKED BY : <i>X</i>					
LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY		REVISION NO.:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		

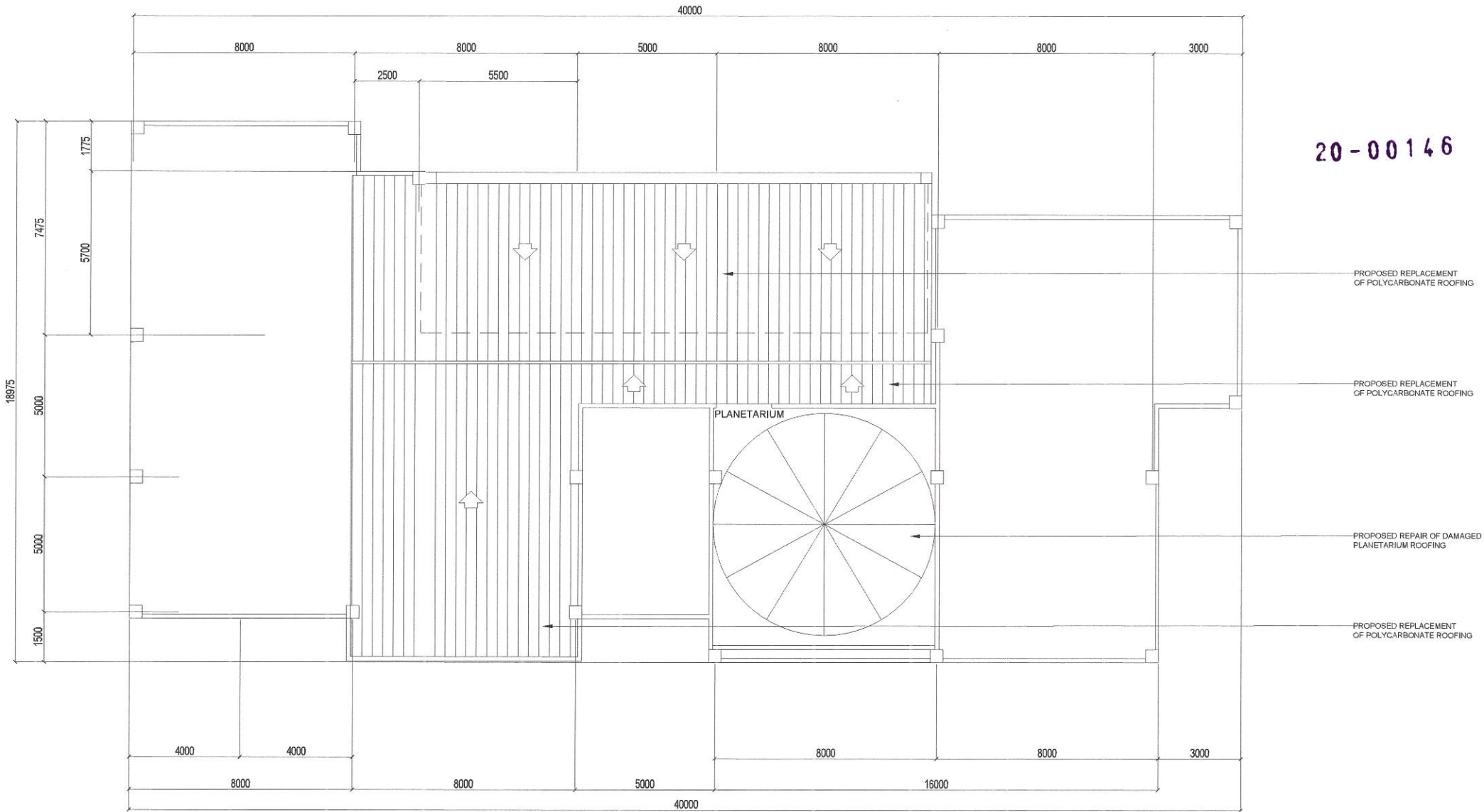


20-00146

1 ROOF DECK FLOOR PLAN

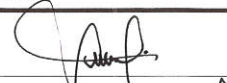
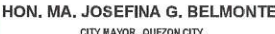
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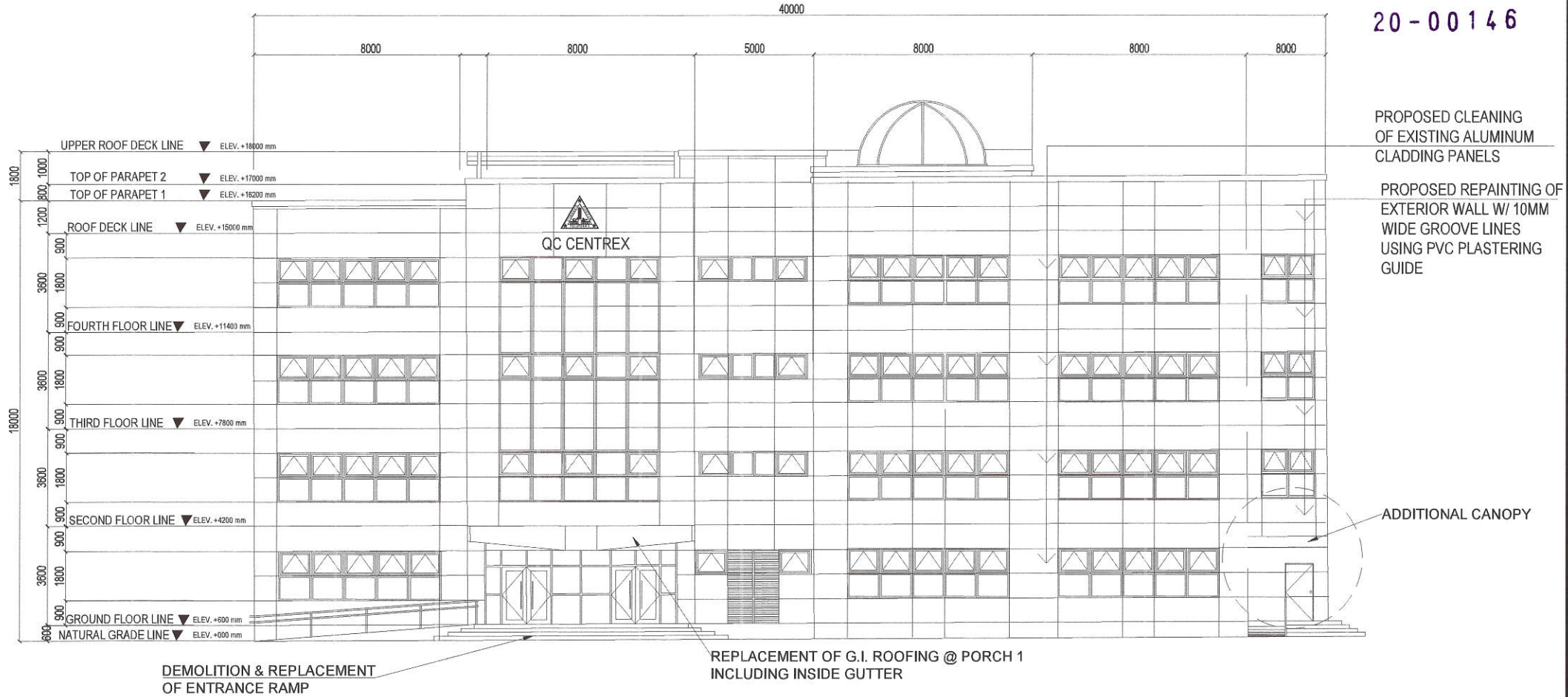
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR , QUEZON CITY	ROOF DECK FLOOR PLAN	AR-07
		CHECKED BY : 					
		LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY					



1 ROOF PLAN

SCALE :N.T.S.

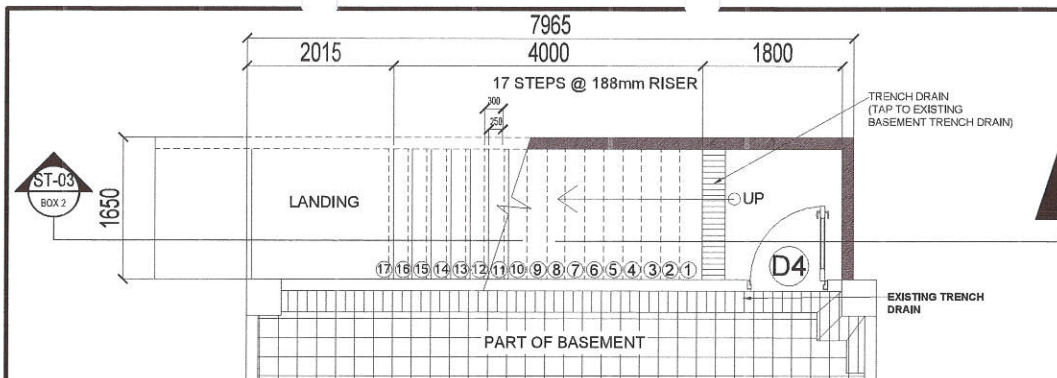
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR , QUEZON CITY	ROOF PLAN	AR-08
		CHECKED BY : 					
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	REVISION NO.:					



1 FRONT ELEVATION

SCALE :N.T.S.

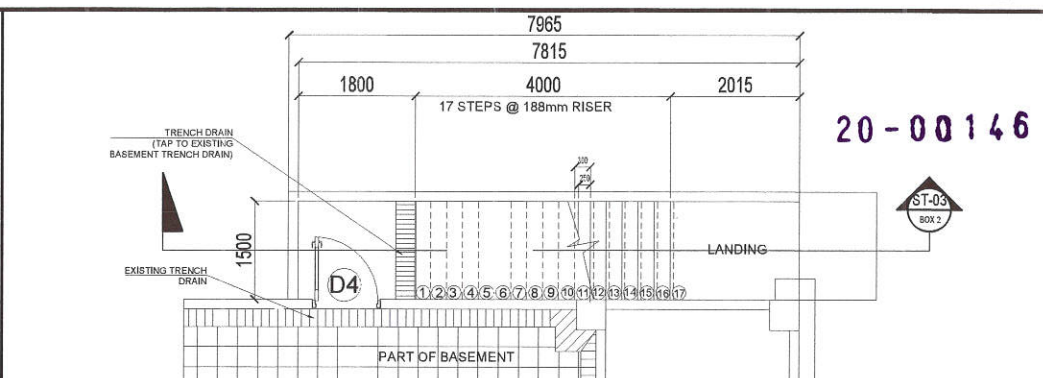
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY: 	SUBMITTED BY:	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :				FRONT ELEVATION	AR-09
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY: 	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. SAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		
		REVISION NO.:					



1

PROPOSED ADDITIONAL EXIT STAIR BLOW-UP PLAN BASEMENT (LEFT WING)

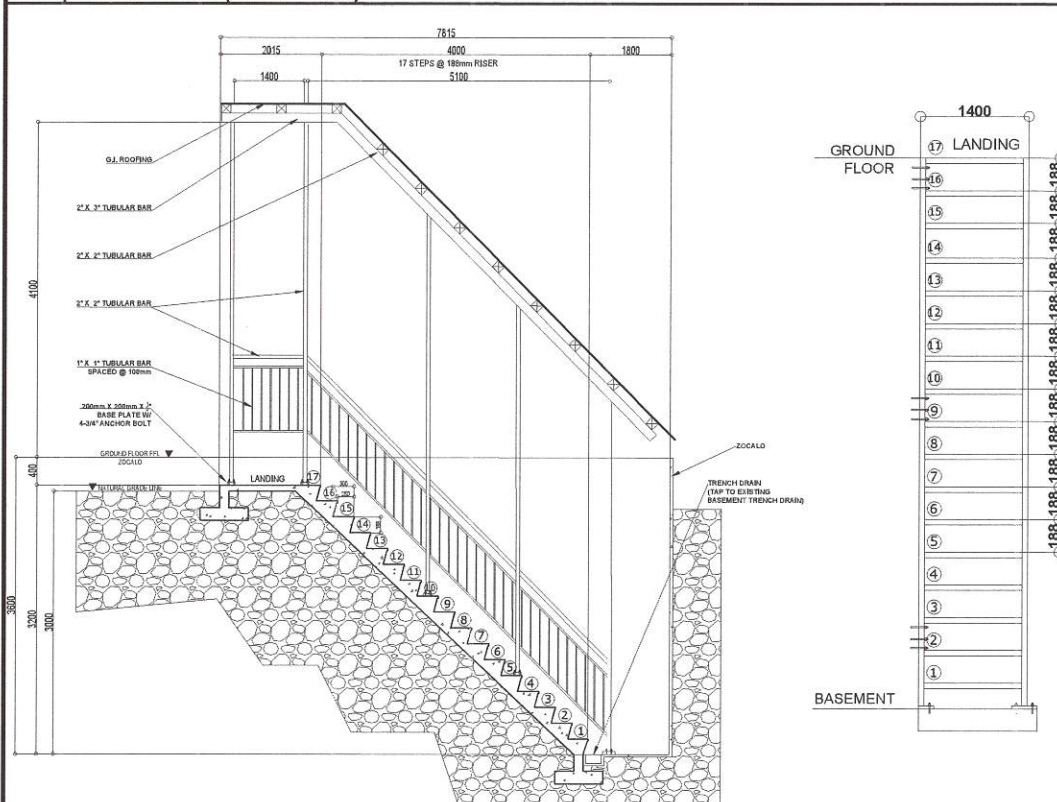
SCALE :N.T.S.



2

PROPOSED ADDITIONAL EXIT STAIR BLOW-UP PLAN BASEMENT (RIGHT WING)

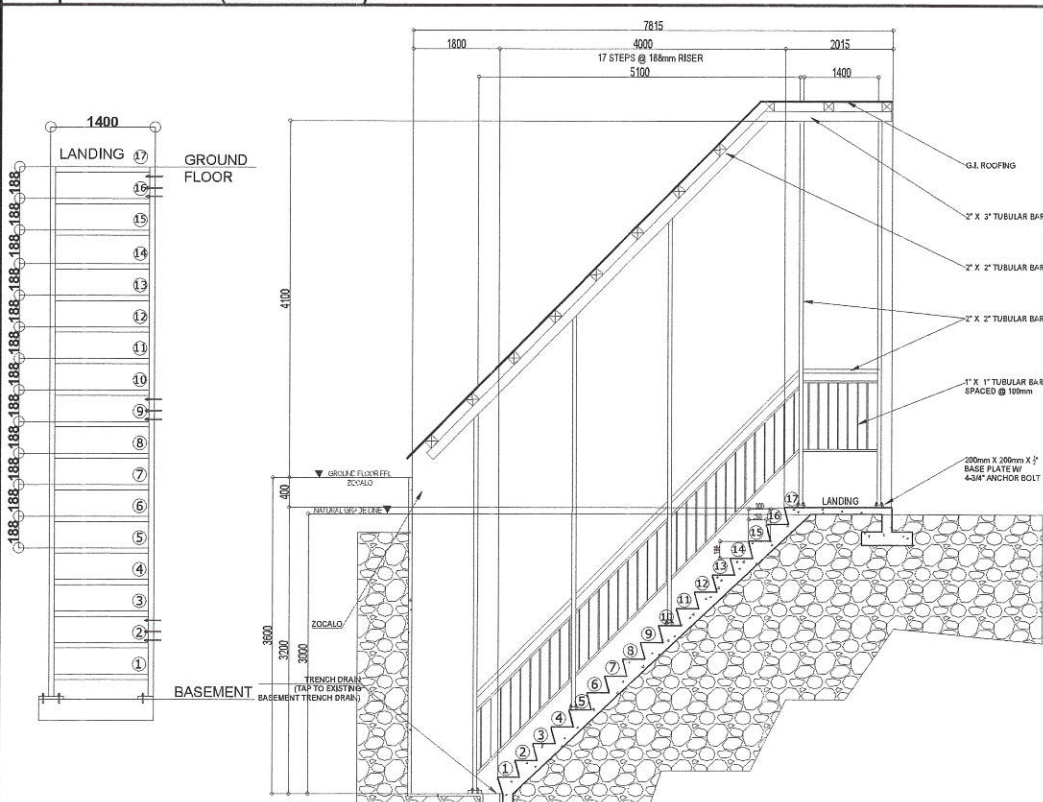
SCALE :N.T.S.



3

EXIT STAIR BLOW-UP PLAN (LEFT WING)

SCALE :N.T.S.



4

EXIT STAIR BLOW-UP PLAN (RIGHT WING)

SCALE :N.T.S.



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

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QUEZON CITY SCIENCE
INTERACTIVE CENTER

LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY :

DATE :

CHECKED BY :

REVISION NO.:

SUBMITTED BY :

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

RECOMMENDING APPROVAL :

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

APPROVED BY :

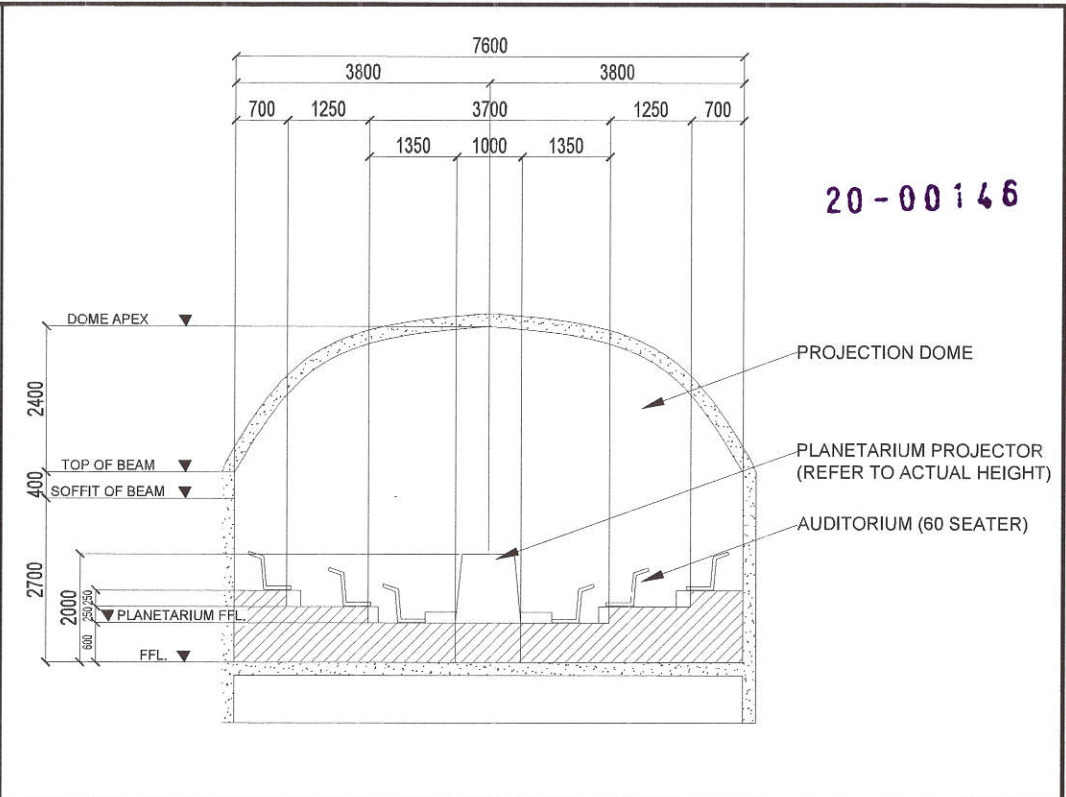
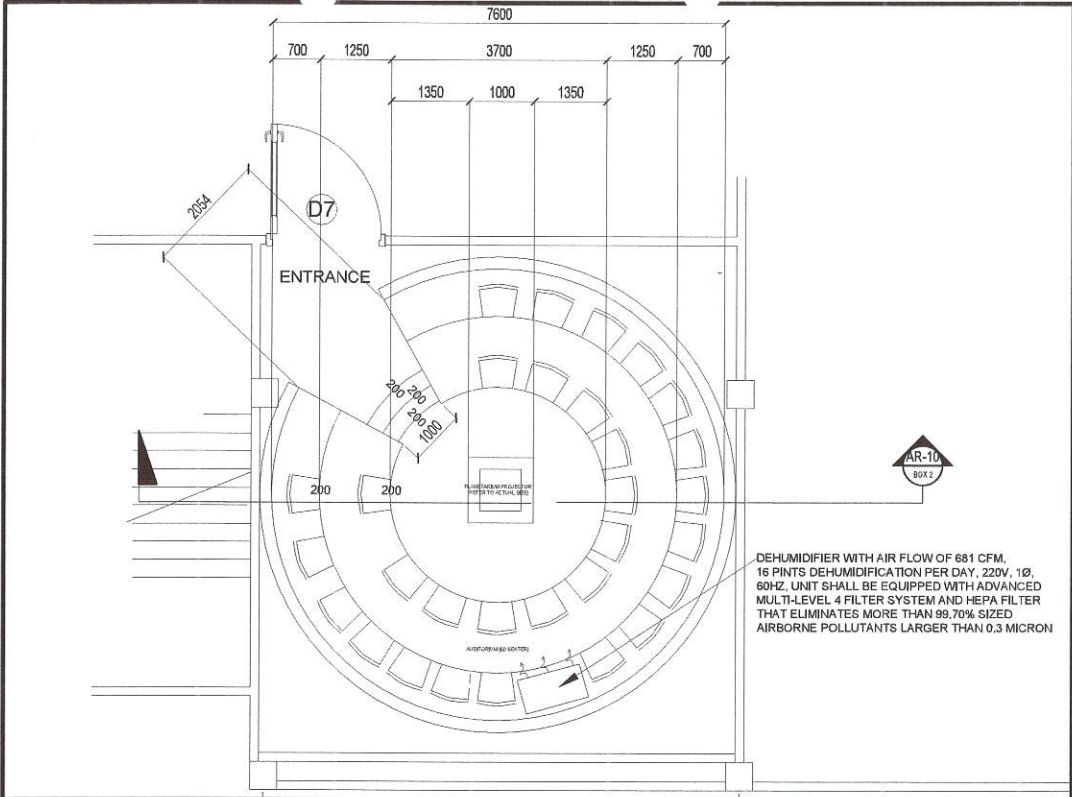
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT

PROPOSED ADDITIONAL EXIT
STAIR BLOW-UP PLAN
BASEMENT (LEFT & RIGHT
WING)
EXIT STAIR BLOW-UP PLAN
(LEFT & RIGHT WING)

SHEET NO.

AR-10



20-00146

1 PLANETARIUM BLOW-UP PLAN SCALE :N.T.S.

2 PLANETARIUM BLOW-UP SECTION SCALE :N.T.S.

D1	D2	D3	D4	D5	D6	D7
Type: 2.10m x 0.90m Swing Type Glass Door 2 sets Location: Auditorium	Type: 2.10m x 1.80m Double-Swing Type Glass Door 1 set Location: Auditorium	Type: 2.10m x 4.50m Double - Swing Type Glass Door w/ Fixed Glass Partition 2 sets Location: Energy In Home Room	Type: 2.10m x 1.00m Metal Flush Door w/ Louver 7 sets Location: PWD C.R., Additional Exit & Roof Deck	Type: 2.10m x 0.90m Metal Flush Door w/ Louver 8 sets Location: Male & Female C.R.	Type: 1.60m x 0.90m Flush Door w/ 19mm thk Marine Plywood 20 sets Location: C.R. Cubicle	Type: 2.10m x 1.20m Solid Panel Door 1 set Location: Planetarium

3 SCHEDULE OF DOORS SCALE :N.T.S.

 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :				PLANETARIUM BLOW-UP PLAN PLANETARIUM BLOW-UP SECTION SCHEDULE OF DOORS	AR-11
		CHECKED BY : 					
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	REVISION NO.:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. SAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		

REPLACEMENT OF EXISTING ELECTRICAL FIXTURES

REMOVAL & REPLACEMENT OF EXISTING CEILING

REMOVAL & INSTALLATION OF EXISTING STEEL RAILINGS

REMOVAL & CONSTRUCTION OF EXISTING CONCRETE SLAB @ RAMP 1 & 2

PROPOSED REPAINTING OF WHOLE STRUCTURE



REPAINTING OF STEEL MEMBERS

REMOVAL & INSTALLATION OF EXISTING STEEL RAILINGS

REMOVAL & CONSTRUCTION OF EXISTING CONCRETE SLAB @ RAMP 1 & 2

REPAINTING OF EXISTING GI ROOFING AT RAMP 2



PROPOSED REPAINTING OF INTERIOR WALLS

REPAINTING OF STEEL GRATING OF TRENCH DRAINS

REPLACEMENT OF DILAPIDATED FLOOR TILES



20-00146

1

MAIN ENTRANCE (RAMP 1)

2

PORCH 2 (RAMP 2)

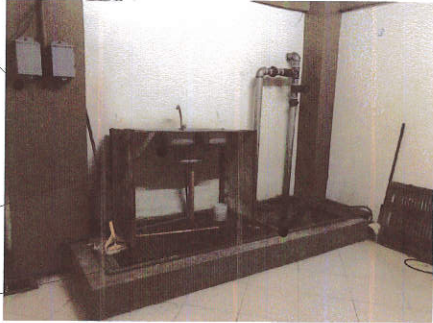
3

BASEMENT AREA

REHABILITATION OF ELECTRICAL WIRINGS, ROUGHING-INS, DEVICES, FIXTURES & ACCESSORIES

REHABILITATION & INSTALLATION OF EXISTING PLUMBING FIXTURES

REPLACEMENT OF DEFECTIVE SUMP PUMP



REHABILITATION OF ELECTRICAL WIRINGS, ROUGHING-INS, DEVICES, FIXTURES & ACCESSORIES

ALL UPRIGHT SPRINKLER HEADS SHALL BE CONVERTED TO PENDANT TYPE

REPAINTING OF INTERIOR WALLS

REPLACEMENT OF DILAPIDATED FLOOR TILES



REHABILITATION OF ELECTRICAL WIRINGS, ROUGHING-INS, DEVICES, FIXTURES & ACCESSORIES

REPAINTING OF INTERIOR WALLS

REPLACEMENT OF DILAPIDATED FLOOR TILES



4

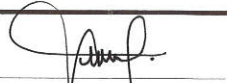
BASEMENT AREA

5

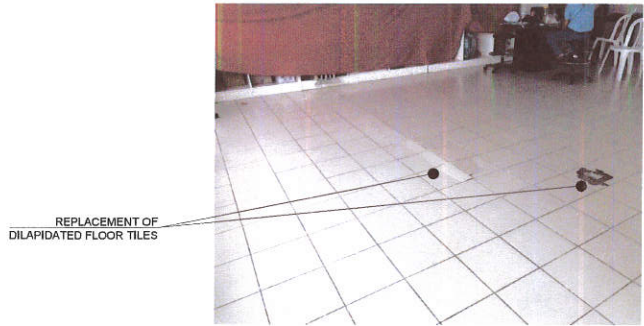
BASEMENT AREA

6

MAIN STAIRS

 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :				MAIN ENTRANCE (RAMP 1) PORCH 2 (RAMP 2) BASEMENT AREA MAIN STAIRS	AR-12
		CHECKED BY : 					
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	REVISION NO.:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		

20-00146



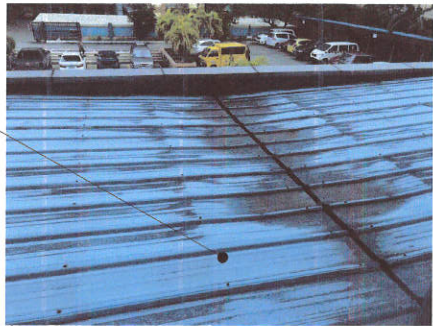
REHABILITATION OF ELECTRICAL
WIRINGS, ROUGHING-INS, DEVICES,
FIXTURES & ACCESSORIES

REFURBISHMENT OF WINDOWS
& ACCESSORIES

REPLACEMENT OF
DILAPIDATED MAIN
ENTRANCE ROOFINGS
& INSIDE GUTTER



REPLACEMENT &
REPAINTING OF MAIN
ENTRANCE ROOFING
& INSIDE GUTTER



1 FLOOR TILES AT GROUND FLOOR

2 BIOTECH LAB

3 MAIN ENTRANCE ROOFING

REHABILITATION OF ELECTRICAL
WIRINGS, ROUGHING-INS, DEVICES,
FIXTURES & ACCESSORIES

REPLACEMENT &
REPAINTING OF
DILAPIDATED CEILING

REFURBISHMENT OF
WINDOWS & ACCESSORIES

REPLACEMENT OF
DILAPIDATED FLOOR TILES



REPAINTING OF
SLAB SOFFIT

REFURBISHMENT OF
WINDOWS & ACCESSORIES

REPAINTING OF
STEEL MEMBERS



REPLACEMENT OF
DILAPIDATED POLYCARBONATE
ROOFING

REFURBISHMENT OF
WINDOWS & ACCESSORIES

PROPOSED REPAINTING
OF EXTERIOR WALL
W/ 10 MM WIDE GROOVE
LINES USING PVC
PLASTERING GUIDE

REPAINTING OF
STEEL MEMBERS



4 ENERGY IN SOCIETY ROOM

5 RAMP GOING TO THIRD FLOOR

6 ROOF DECK RAMP GOING TO FOURTH FLOOR



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :

PROPOSED REHABILITATION OF
QUEZON CITY SCIENCE
INTERACTIVE CENTER

LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY :

DATE :

CHECKED BY :

REVISION NO.:

SUBMITTED BY :

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

RECOMMENDING APPROVAL :

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

APPROVED BY :

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

SHEET CONTENT

FLOOR TILES AT GROUND
FLOOR
BIOTECH LAB
MAIN ENTRANCE ROOFING
ENERGY IN SOCIETY ROOM
RAMP GOING TO THIRD
FLOOR
ROOF DECK RAMP GOING TO
FOURTH FLOOR

SHEET NO.

AR-13

REPLACEMENT OF DILAPIDATED G.I. ROOFING

REPAIRING OF EXTERIOR WALLS

REPLACEMENT OF DILAPIDATED POLYCARBONATE ROOFING



REPAINTING OF CEILING

REPLACEMENT & REPAINTING OF INTERIOR WALLS

PROVISION OF DEHUMIDIFIER

20-00146

REPLACEMENT OF DILAPIDATED POLYCARBONATE ROOFING & GUTTER

REPAINTING OF EXTERIOR WALLS

REHABILITATION OF ELECTRICAL WIRINGS, ROUGHING-INS, DEVICES, FIXTURES & ACCESSORIES





1 PLANETARIUM ROOM (EXTERIOR)

2 PLANETARIUM (INTERIOR)

3 PLANETARIUM P.C.B. ROOFING

REFURBISHMENT OF WINDOW LOCKS & ACCESSORIES

REPAINTING OF INTERIOR WALLS

REPLACEMENT OF DILAPIDATED FLOOR & WALL TILES

REPLACEMENT OF PLUMBING FIXTURES



REPAINTING OF INTERIOR WALLS

REPLACEMENT OF CUBICLE DOOR (FLUSH DOOR W/ 19MM THK. MARINE PLYWOOD)

REPLACEMENT OF DILAPIDATED FLOOR & WALL TILES

REPLACEMENT OF PLUMBING FIXTURES



REPAINTING OF INTERIOR WALLS

REPLACEMENT OF DILAPIDATED STAIR TILES

REFURBISHMENT OF WINDOWS & ACCESSORIES



4 P.W.D. COMFORT ROOM

5 FEMALE COMFORT ROOM

6 INTERIOR WALLS (STAIRS)

 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR , QUEZON CITY	PLANETARIUM ROOM (EXTERIOR) PLANETARIUM (INTERIOR) PLANETARIUM P.C.B. ROOFING P.W.D. COMFORT ROOM FEMALE COMFORT ROOM INTERIOR WALLS (STAIRS)	AR-14
		CHECKED BY : 					
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	REVISION NO.:					

NOTES ON REINFORCEMENT:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (AC-318)
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS:

LOCATION	STRENGTH	MAX SIZE OF AGGREGATES	MAX SLUMP
a. SLAB ON GRADE, CURBS, PAVEMENTS, WALL FOOTING	3000 Psi (20.685 MPa)	1 in (25 mm)	4 in (100mm)
b. BEAMS, COLUMNS, FOOTINGS, SUSPENDED SLAB	3000 Psi (20.685 MPa)	1 1/2 in (39mm)	4 in (100mm)

3. ALL REINFORCING BARS SHALL CONFORM TO PH649 GRADE 275 FOR 12MM AND SMALLER BARS AND GRADE 415 FOR 16mm AND LARGER BARS.
4. IN GENERAL, THE LATEST EDITION OF A.C.I.'S MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

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

6. SPLICES SHALL BE SECURELY W-RED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPICE AND ANCHORAGE LENGTH UNLESS OTHERWISE SHOWN ON DRAWINGS SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE).

7. ALL ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

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

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

10. STRIPPING OF FORMS AND SHORES:

FOUNDATION ----- 24 HRS.

SUSPENDED SLAB EXCEPT WHEN ----- 8 DAYS

ADDITIONAL LOADS ARE IMPOSED ----- 21 DAYS

WALL ----- 14 DAYS

BEAMS ----- 21 DAYS

COLUMNS ----- 21 DAYS

11. DEVELOPMENT LENGTH FOR ALL BARS SHALL BE A MINIMUM OF 50 BAR DIAMETER UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL AND PLATES.

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

13. ANCHOR & FASTENER BOLTS: ALL BOLTS SHALL CONFORM TO ASTM (A-307) SPECIFICATIONS.

14. WELDING RODS: ALL WELDING RODS SHALL BE MILD STEEL ELECTRODE, LOW HYDROGEN E7018 WITH MINIMUM YIELD STRENGTH = 420 MPa.

11. FOUNDATION IS DESIGNED BASED ON NATIONAL BUILDING CODE OF THE PHILIPPINES FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 240kPa.

12. FOUNDATION SHALL REST ON NATURAL SOIL UNLESS OTHERWISE NOTED BY THE ENGINEER. NO PART OF THE FOUNDATION SHALL REST ON FILL.

13. THE CONTRACTOR SHALL NOTIFY THE ENGINEER UPON COMPLETION OF FOUNDATION EXCAVATION FOR ACTUAL SOIL CONDITIONS WHICH DO NOT CONFORM TO THE BOA BEARING CAPACITY FOR PROPER REVISION.

NOTES ON MASONRY WALLS

1. ALL MATERIALS WORKMANSHIP SHALL BE IN ACCORDANCE W/ THE APPLICABLE STANDARD & SPECIFICATIONS OF THE STRUCTURAL CODE OF THE PHILIPPINES & UNIFORM BUILDING CODE.

2. MORTAR & GROUT FOR ALL CONCRETE MASONRY SHALL CONFORM TO ASTM 270 - TYPE N & SHALL HAVE A MINIMUM OF 28 DAYS STANDARD CYLINDER COMPRESSIVE STRENGTH OF 17.5MPa (2500 PSI)

3. ALL CHB SHALL BE LAID OUT WITH CELLS IN UNOBSTRUCTED VERTICAL CONTINUITY.

4. ALL CELLS ESPECIALLY THOSE WITH REINFORCEMENT SHALL BE FILLED WITH MORTAR.

5. ALL CELLS ESPECIALLY THOSE WITH REINFORCEMENT SHALL BE FILLED WITH MORTAR.

6. ALL MASONRY WALLS SHALL BE PROVIDED W/ STIFFENED BEAM BLOCK & STIFFENER AS REQUIRED.

- 5a. FOR HIGH WALLS 1 EVERY 3000MM & COLUMN (BOLT) AT 3000 mm ON CENTER

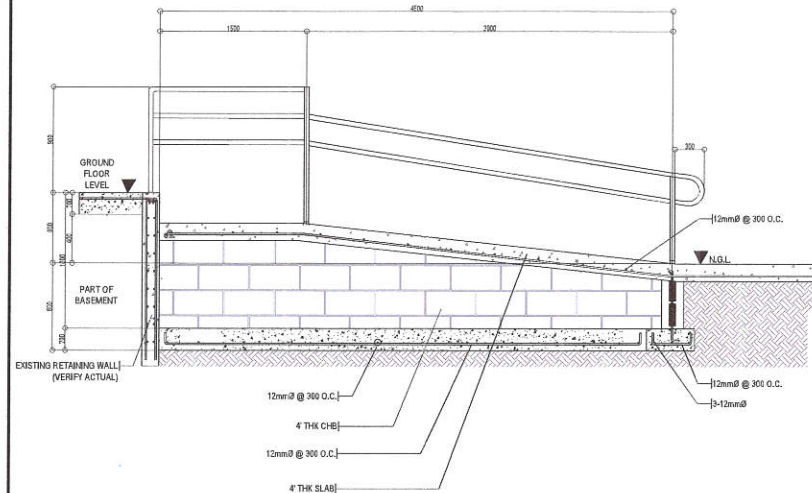
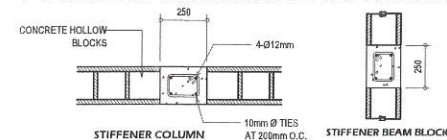
- 5b. FOR DOORS & WINDOWS OPENING PROVIDE LINTEL BEAM SAME AS STIFFENER BEAM BLOCK

6. UNLESS OTHERWISE SHOWN IN PLANS, ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.

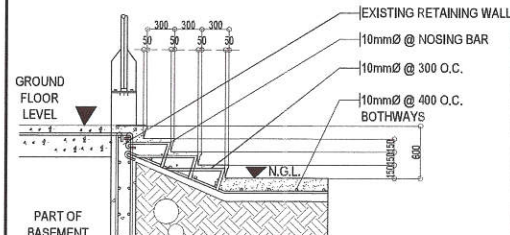
SCHEDULE OF CONCRETE HOLLOW BLOCK AND CERAMIC BLOCK REINFORCEMENT			
BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
100 mm	10mm ϕ @ 600mm O.C.	10mm ϕ @ 600mm O.C.	A. MINIMUM LAP SPICE = 0.25m
150 mm	10mm ϕ @ 600mm O.C.	10mm ϕ @ 600mm O.C.	B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS 0.12m LONG
			C. WHERE CHB OR CER. BLK. WALL DOWELS JOIN COL. P.C. BEAMS AND WALL DOWELS WITH THE SAME SIZE AS VERT. OR HORIZ. REINFORCEMENTS SHALL BE PROVIDED.

TESTING & COMMISSIONING WORKS:

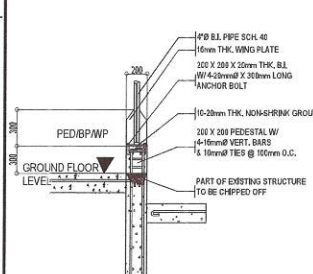
1. ALL NECESSARY TESTING OF MATERIALS AND COMMISSIONING WORKS MUST BE PERFORMED AS P-31 STANDARD PROCEDURE.

**2 PWD RAMP SECTION DETAIL**

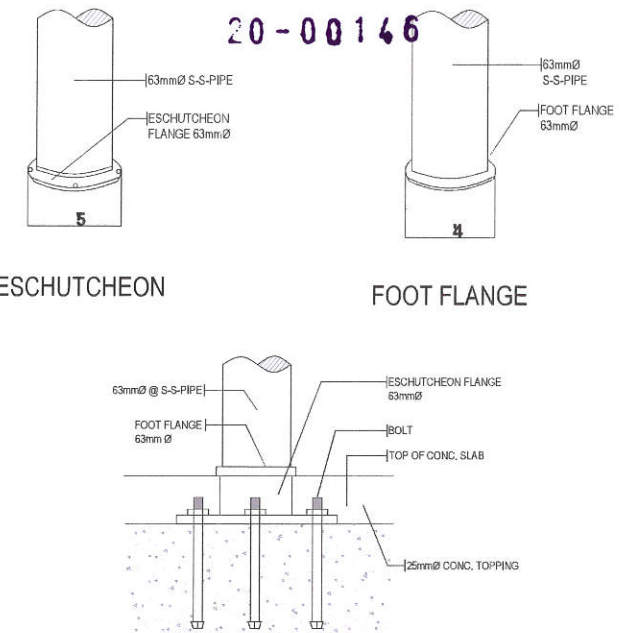
SCALE :N.T.S.

**4 ENTRANCE STAIR SECTION DETAIL**

SCALE :N.T.S.

**5 PED/BP/WP**

N.T.S.

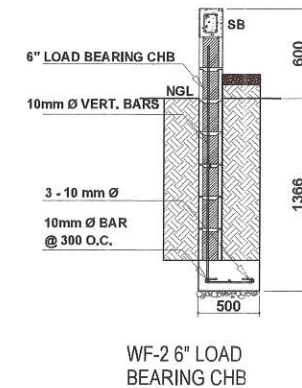


ESCHUTCHEON

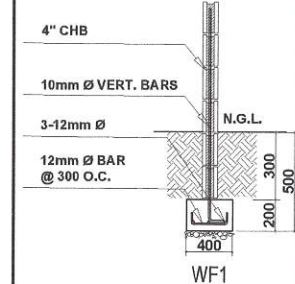
FOOT FLANGE

3 SPOT DETAIL

SCALE :N.T.S.



WF-2 6" LOAD BEARING CHB



WF1

1**GENERAL NOTES**

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :

PROPOSED REHABILITATION OF
QUEZON CITY SCIENCE
INTERACTIVE CENTER

LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY: *LEO*

DATE :

CHECKED BY: *LEO*

REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL :

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

APPROVED BY :

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

SHEET CONTENT

GENERAL NOTES
PWD RAMP SECTION DETAILS
SPOT DETAIL
ENTRANCE STAIR SECTION
DETAIL
PED/BP/WP
LOAD BEARING CHB DETAIL
WF-1 DETAIL

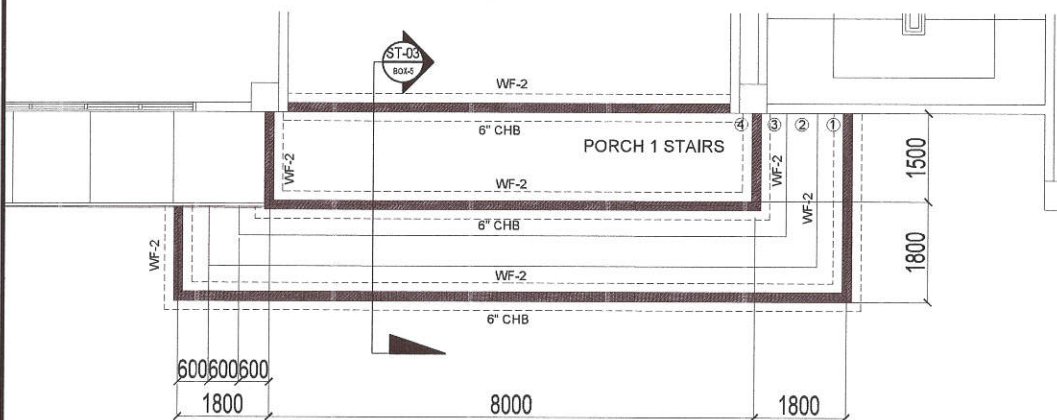
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ST-01

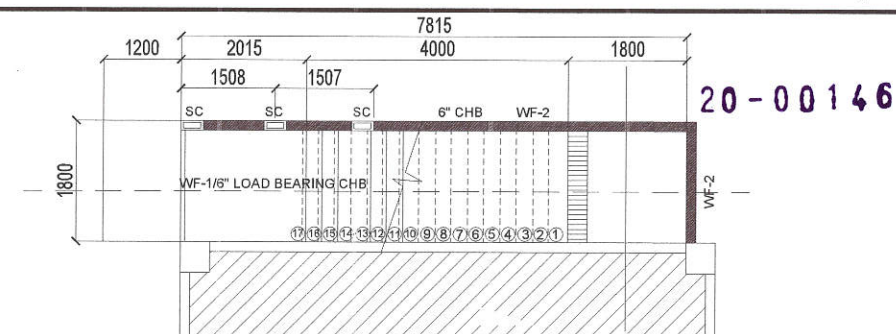


PROJECT TITLE :		DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER		DATE :				FOUNDATION PLAN/KEY PLAN	ST-02
		CHECKED BY : 					
LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY		REVISION NO.:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. SAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		

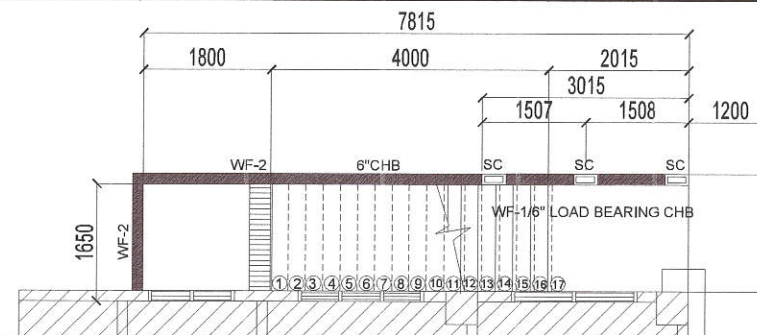
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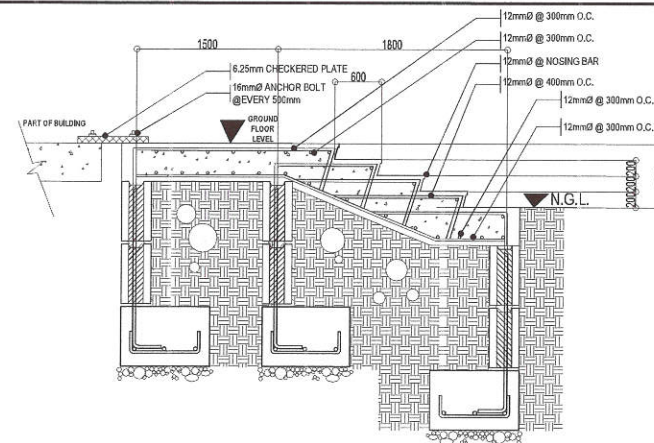
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SCALE :N.T.S.



SCALE :N.T.S.



SCALE :N.T.S.



PROJECT TITLE :	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER
LOCATION:	BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY: 

DATE :

CHECKED BY: 

REVISION NO.:

SUBMITTED BY:



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

RECOMMENDING APPROVAL :

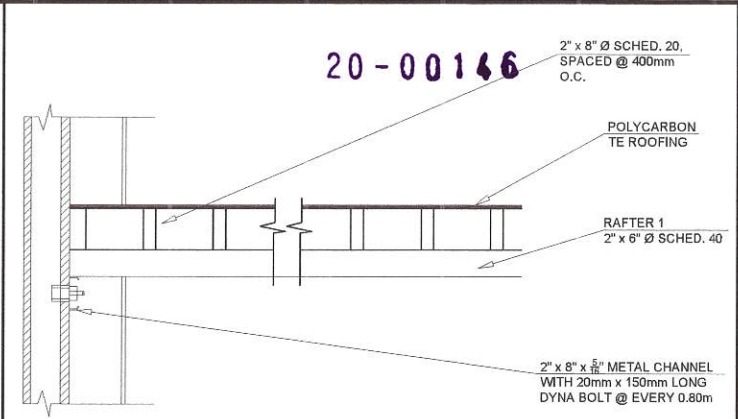
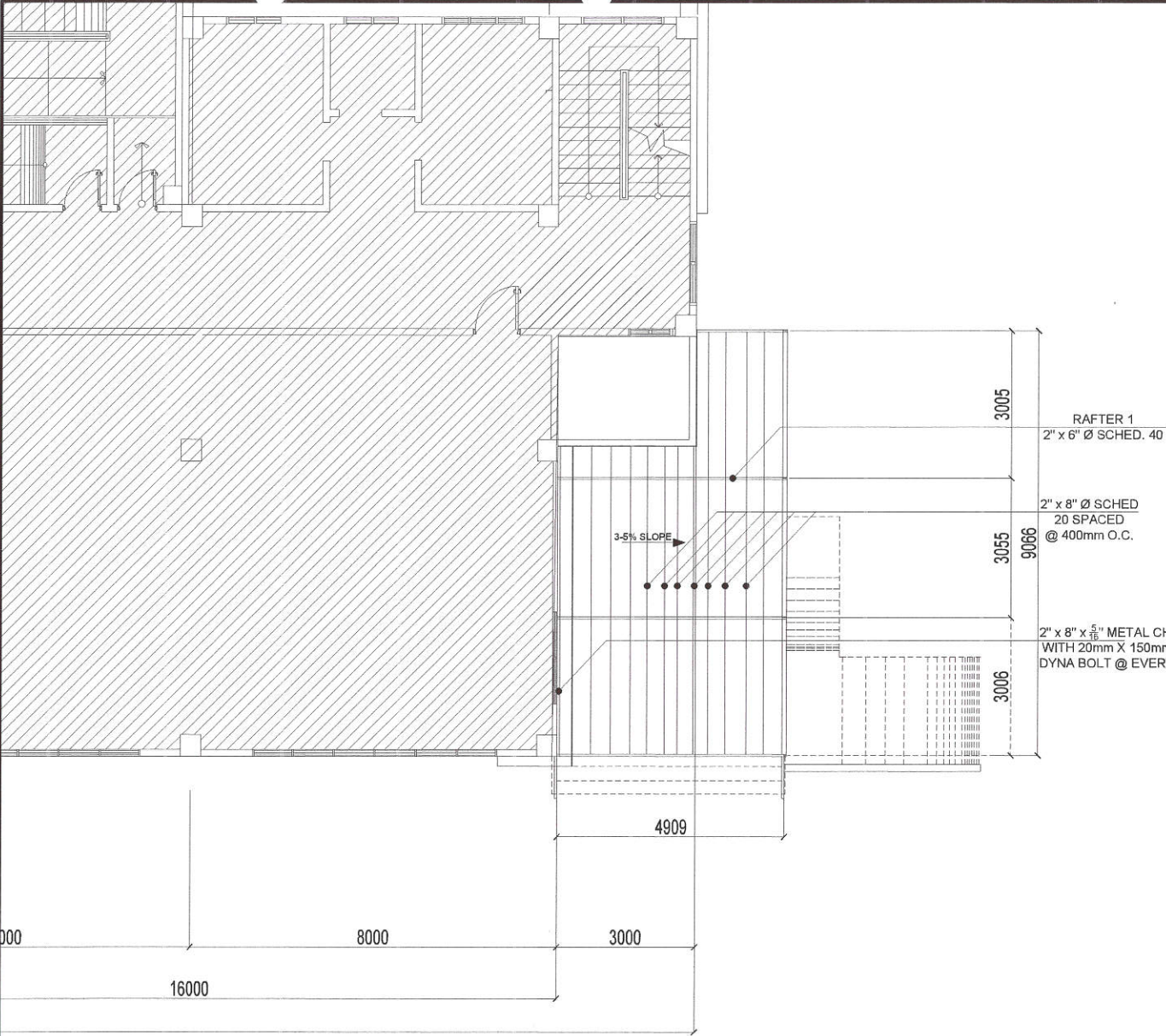
ENGR. SAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY : _____

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

SHEET CONTENT	
	BLOW-UP FOUNDATION PLAN
	BLOW-UP FOUNDATION PLAN
	BLOW-UP FOUNDATION PLAN
	BLOW-UP FOUNDATION PLAN
	PORCH 1 STAIR SECTION

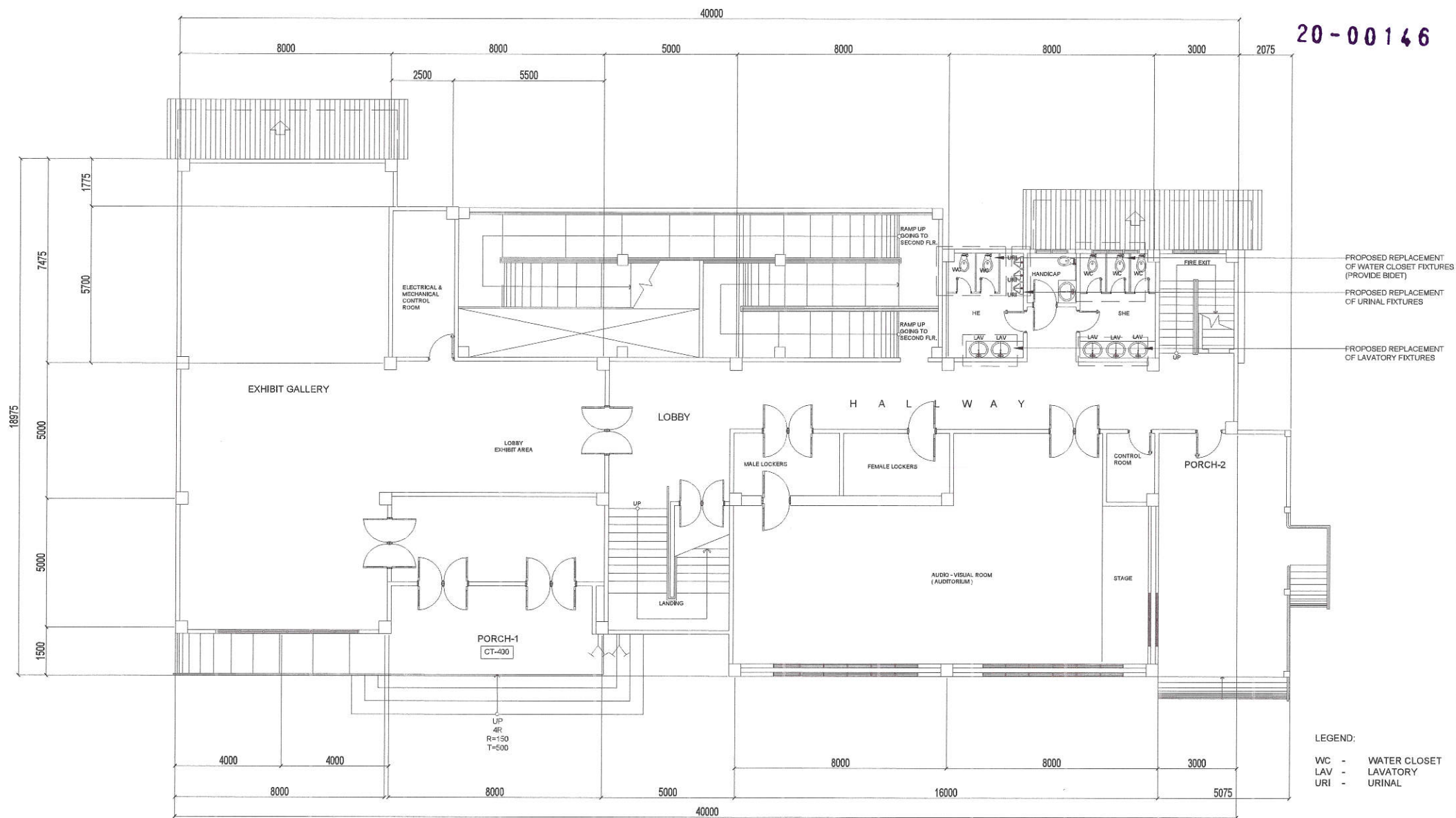
	SHEET NO.
"A"	ST-03
"B"	
"C"	
"D"	



2 BLOW-UP CANOPY SCALE :N.T.S.

1 ADDITIONAL ROOF FRAMING PLAN SCALE :N.T.S.

 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	 ENGR. SAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	ADDITIONAL ROOF FRAMING PLAN BLOW-UP CANOPY	ST-04
		CHECKED BY : 					
		LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY					



1 SANITARY/PLUMBING FIXTURES AT GROUND FLOOR

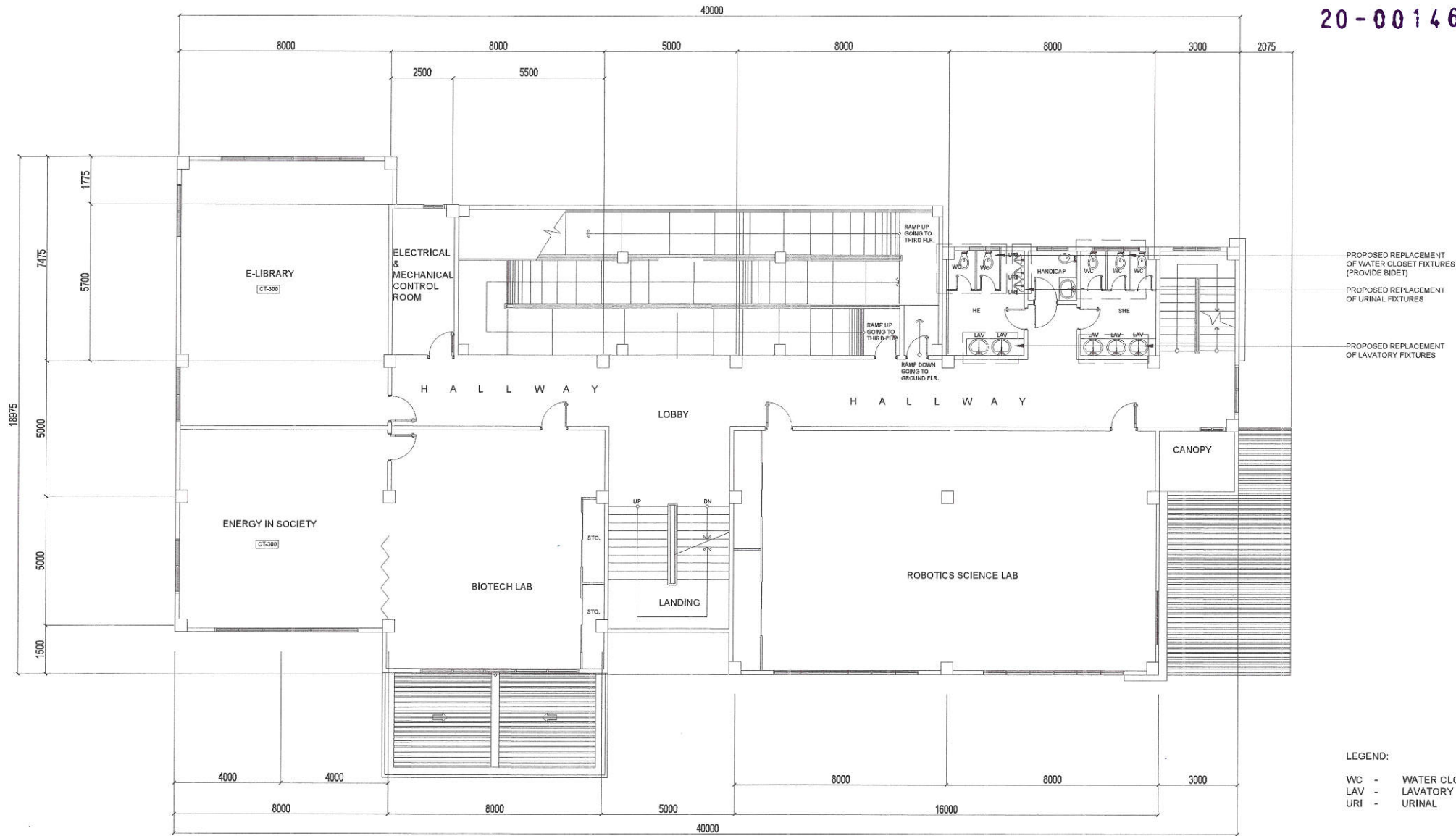
SCALE : N.T.S.



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Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

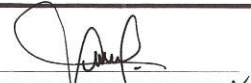
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PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	ENGR. LEON S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. CIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	SANITARY/PLUMBING FIXTURES AT GROUND FLOOR	PL-01
LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY :	REVISION NO.:				

20-00146

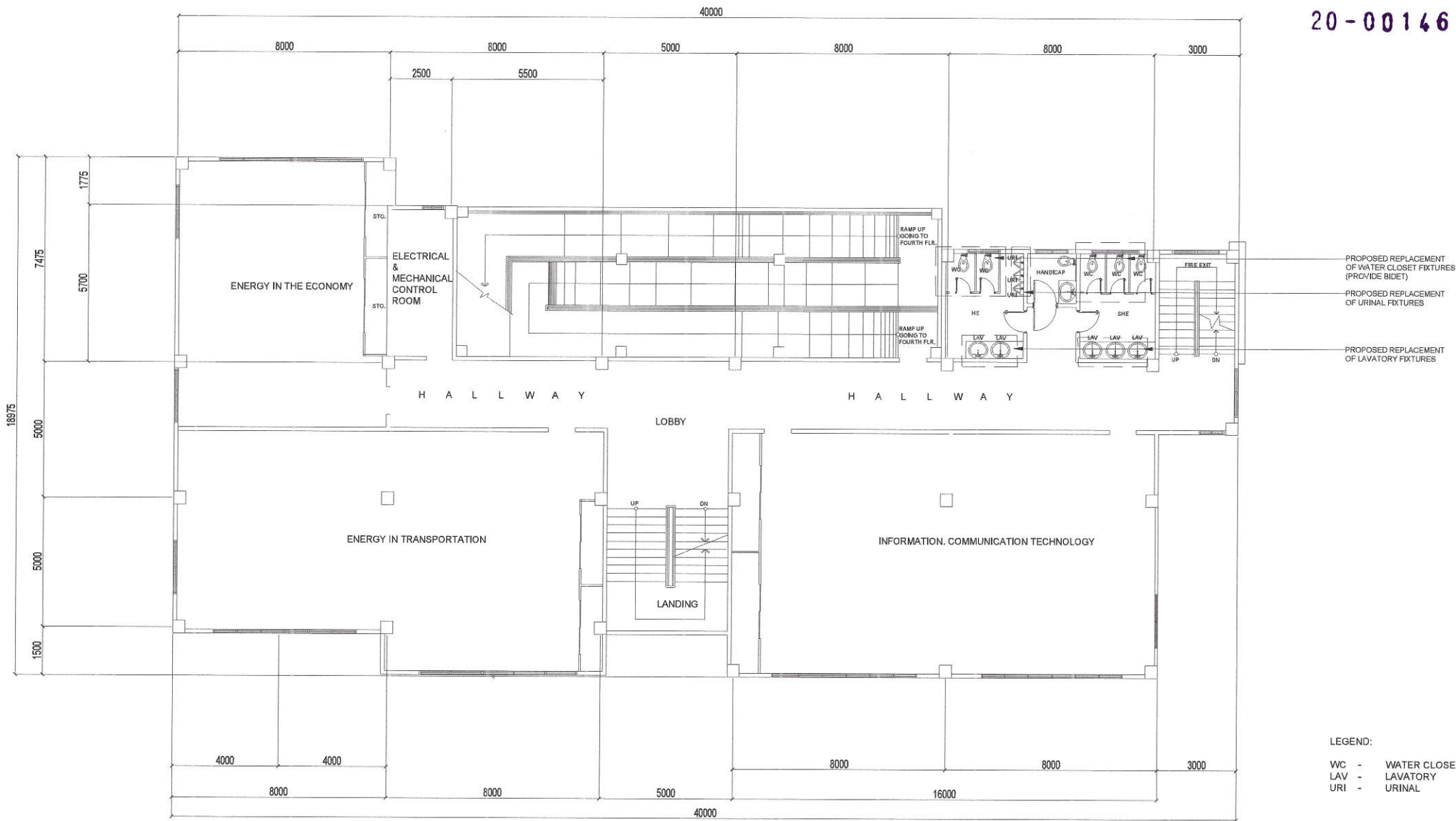


1 SANITARY/PLUMBING FIXTURES AT SECOND FLOOR

SCALE :N.T.S.

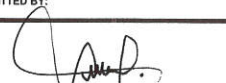
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	SANITARY/PLUMBING FIXTURES AT SECOND FLOOR	PL-02
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY : 					
	REVISION NO.:						

20-00146

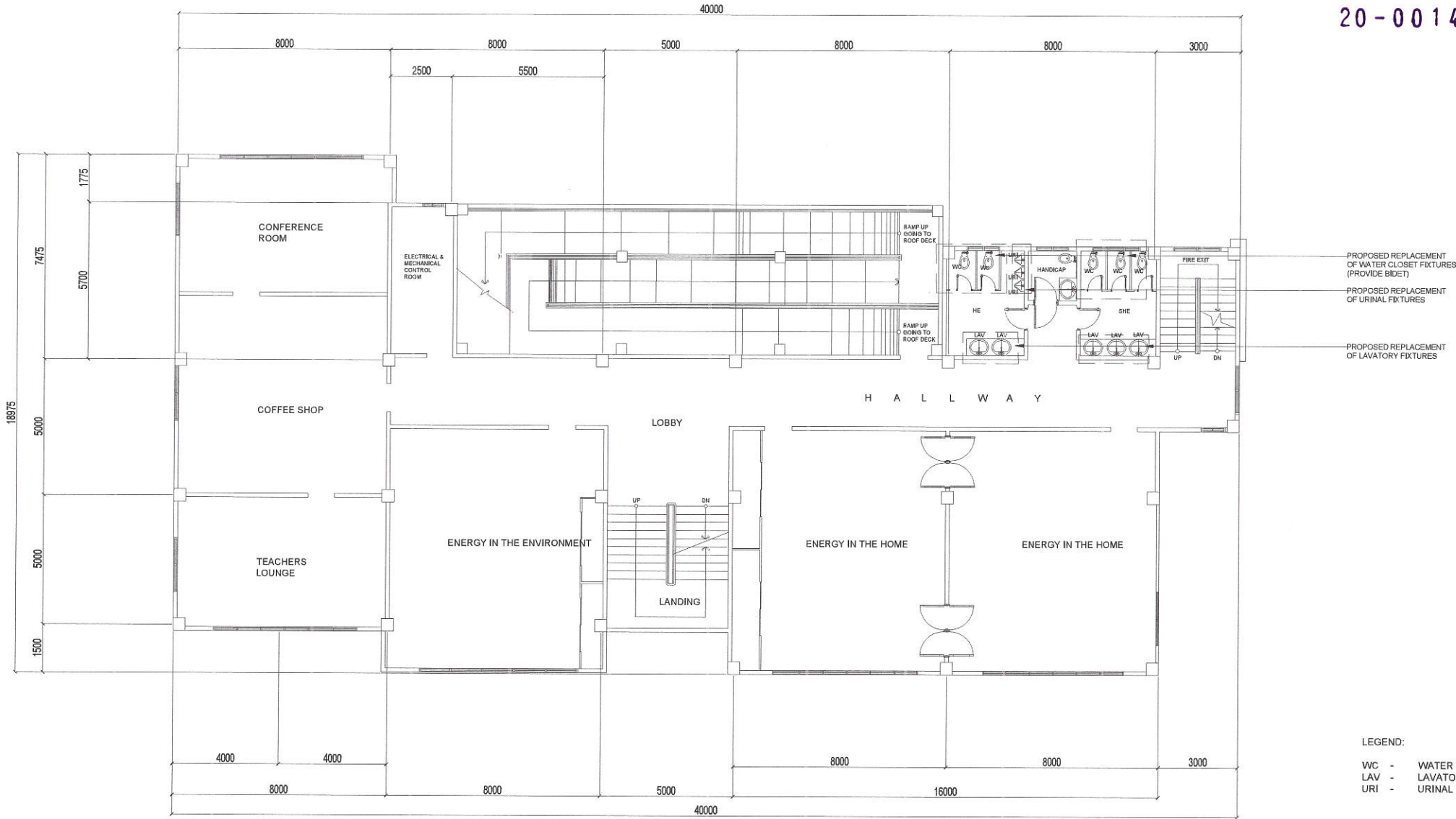


1 SANITARY/PLUMBING FIXTURES AT THIRD FLOOR

SCALE :N.T.S.

 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LBO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. CIC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	SANITARY/PLUMBING FIXTURES AT THIRD FLOOR	PL-03
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY : 					
	REVISION NO.:						

20-00146



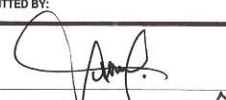
LEGEND:
WC - WATER CLOSET
LAV - LAVATORY
URI - URINAL

1 SANITARY/PLUMBING FIXTURES AT FOURTH FLOOR

SCALE :N.T.S.



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Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :				SANITARY/PLUMBING FIXTURES AT FOURTH FLOOR	PL-04
LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY : 	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. CIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY		
	REVISION NO.:					

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

RECEPTACLE OUTLET - 300 MM AFF, 150MM ABOVE WORKING COUNTER.

TELEPHONE OUTLET - 300 MM AFF

CATV OUTLET - 300 MM AFF

LIGHTING SWITCH - 1400 MM AFF

PANELBOARD - 1600 MM AFF

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

LINE 1 - RED

LINE 2 - YELLOW

NEUTRAL - WHITE

GROUND - GREEN

- BOXES, WIRE, GUTTERS, ENCLOSURE SHALL BE FABRICATED FROM STEEL WITH THICKNESS AS FOLLOWS:

MAXIMUM WIDTH OF THE WIDEST SURFACE STEEL

UP TO INCLUDING 152.40 MM

OVER 152.40 MM BUT NOT OVER 457.30

OVER 457.30 MM BUT NOT OVER 762 MM

OVER 762 MM

GA

GA 16 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT

GA 14 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT

GA 12 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT

GA 10 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT

- ALL ELECTRICAL WORKS HEREIN SHALL BE EXECUTED BY EXPERIENCED MEN UNDER THE DIRECT SUPERVISION OF A FULL-TIME LICENSED ELECTRICAL ENGINEER AND A DULY ACCREDITED ELECTRICAL CONTRACTOR BY PCAB. WORKS SHALL BE NEATLY PLACED, SECURELY FASTENED AND PROPERLY FINISHED.

- TYPE OF SERVICE ENTRANCE SHALL BE SINGLE-PHASE, TWO-WIRE PLUS GROUND, 60 HERTZ, 230V AC NOMINAL.

- CONDUITS IN NO CASE SHALL THERE BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS IN ANY ONE RUN. ALL CONDUIT BENDS SHALL BE FIELD MADE BY USING HYDRAULIC BENDERS. MINIMUM BENDING RADIUS MUST BE IN ACCORDANCE TO THE CODE REQUIREMENTS.

- UPON COMPLETION OF ELECTRICAL CONSTRUCTION WORK, INSULATION RESISTANCE TEST AND FUNCTIONALITY TEST SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS ON FORMS APPROVED BY THE QUEZON CITY ENGINEERING DEPARTMENT REPRESENTATIVE. THE GROUND RESISTANCE FOR ELECTRICAL SYSTEMS SHALL NOT BE MORE THAN 5 OHMS. COMMUNICATION GROUNDING RESISTANCE SHALL NOT EXCEED 2 OHMS.

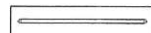


23W, CEILING MOUNTED EXHAUST FAN



150MM DIA, LED PINLIGHT

20-00146



300mm X 1200mm, 1x18W LED, DUST PROOF



600mm X 600mm, 2x10W LED, TROFFER FIXTURE



300mm X 1200mm, 1x18W LED, TROFFER FIXTURE



LPP

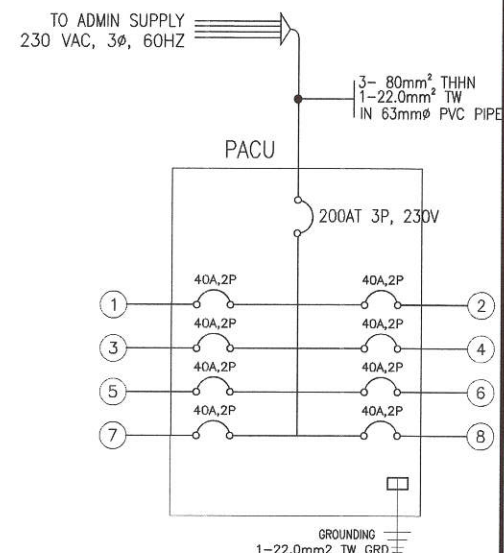
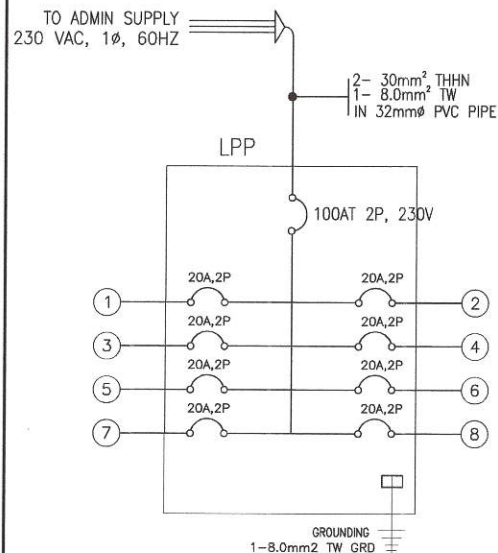
LIGHTING AND POWER PANEL BOARD



PACU

POWER FOR AIRCONDITIONING UNITS PANEL BOARD

2 LEGENDS AND SYMBOLS



1 GENERAL SPECIFICATIONS

3 PANELBOARD DETAILS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :

PROPOSED REHABILITATION OF
QUEZON CITY SCIENCE
INTERACTIVE CENTER

LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY: LEO

DATE :

CHECKED BY: [Signature]

REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL :

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

APPROVED BY :

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

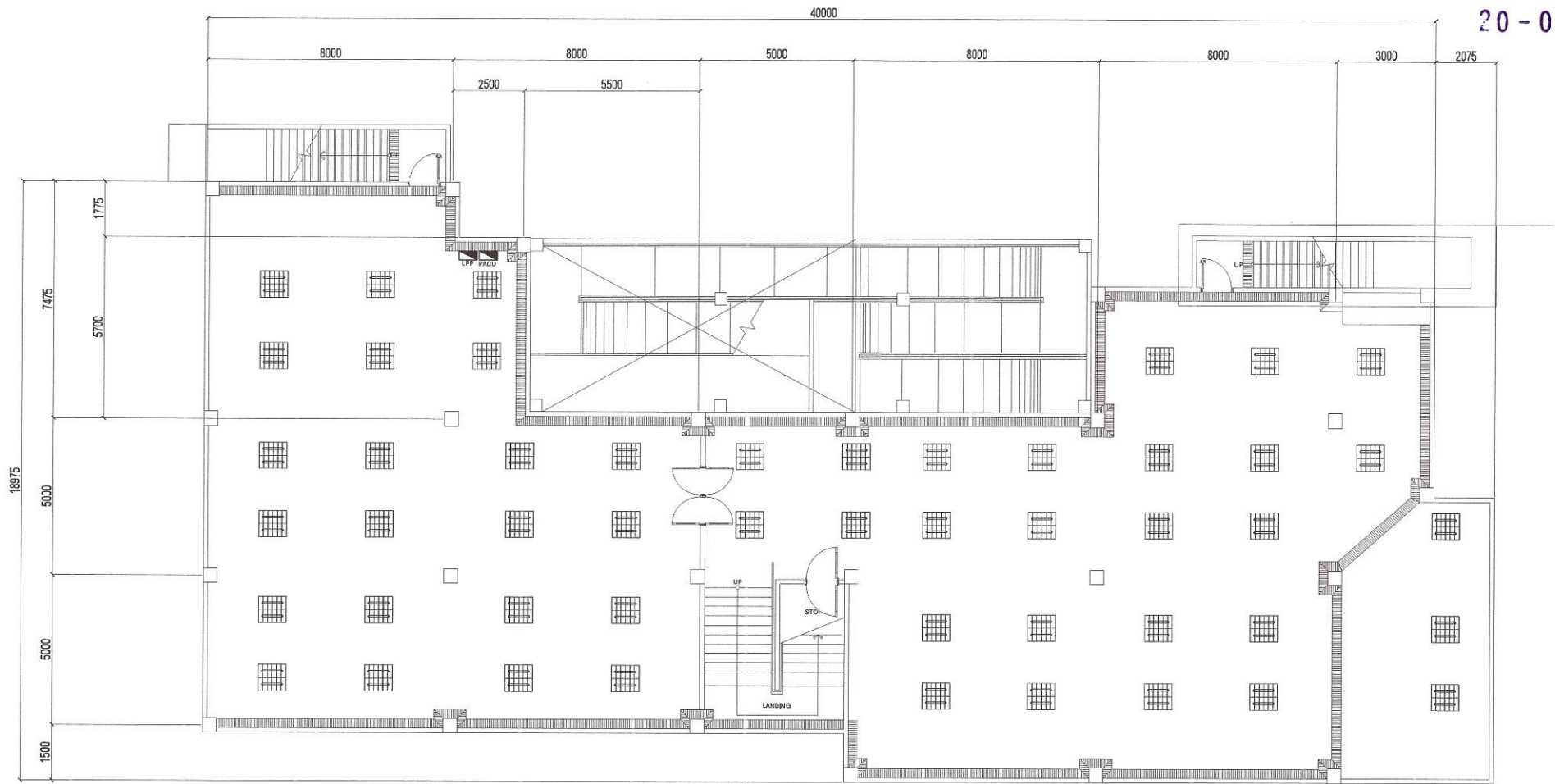
SHEET CONTENT

GENERAL SPECIFICATIONS
LEGENDS AND SYMBOLS
PANELBOARD DETAILS

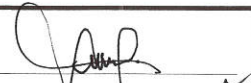
SHEET NO.

EL-01

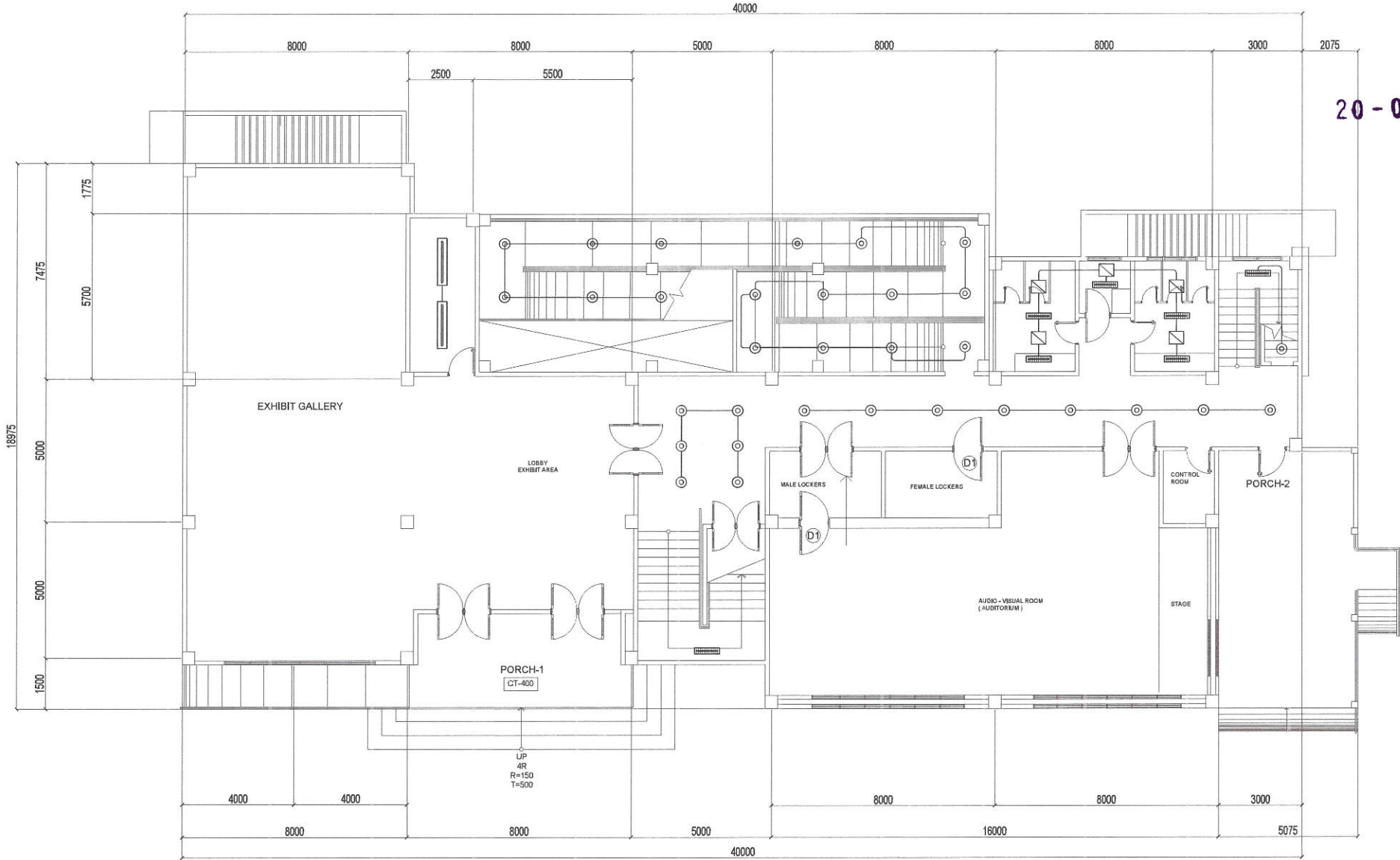
20-00146



NOTE:
1)REPLACEMENT OF LIGHTING FIXTURES, CIRCUIT BREAKERS AND PANELBOARD ASSEMBLY.
2) RETAIN EXISTING SWITCHING CONTROLS.

1 BASEMENT LIGHTING AND POWER LAYOUT		SCALE :N.T.S.					
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR , QUEZON CITY	BASEMENT LIGHTING AND POWER LAYOUT	EL-02
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY : 					
	REVISION NO.:						

20-00146



NOTE:
1) REPLACEMENT OF LIGHTING FIXTURES.
2) RETAIN EXISTING SWITCHING CONTROLS.

1 GROUND FLOOR LIGHTING LAYOUT

SCALE : N.T.S.



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

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QUEZON CITY SCIENCE
INTERACTIVE CENTER**

LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY : *[Signature]*
DATE :
CHECKED BY : *[Signature]*
REVISION NO.:

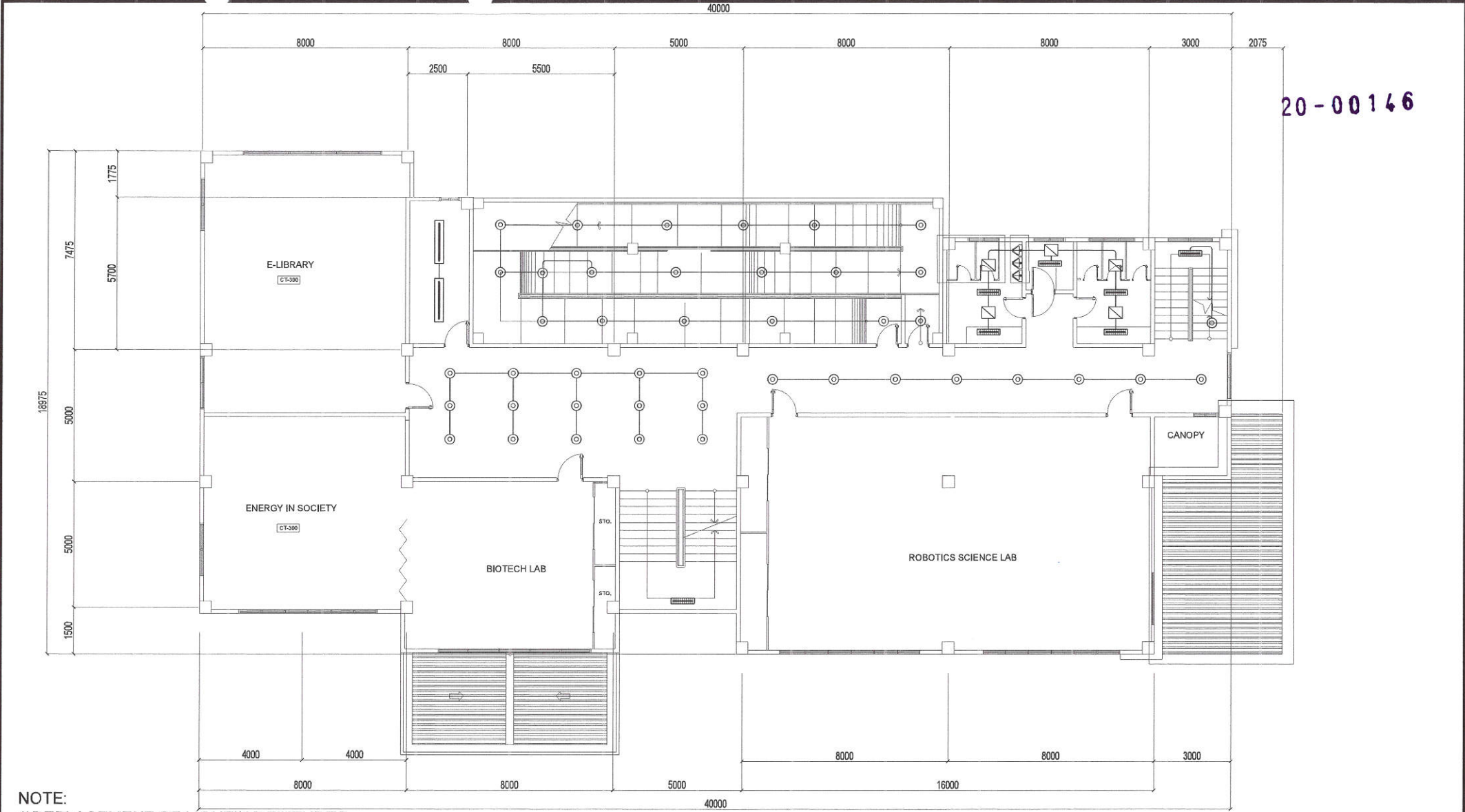
SUBMITTED BY:
[Signature]
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

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

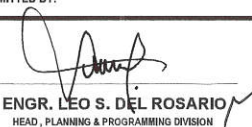
APPROVED BY :
[Signature]
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

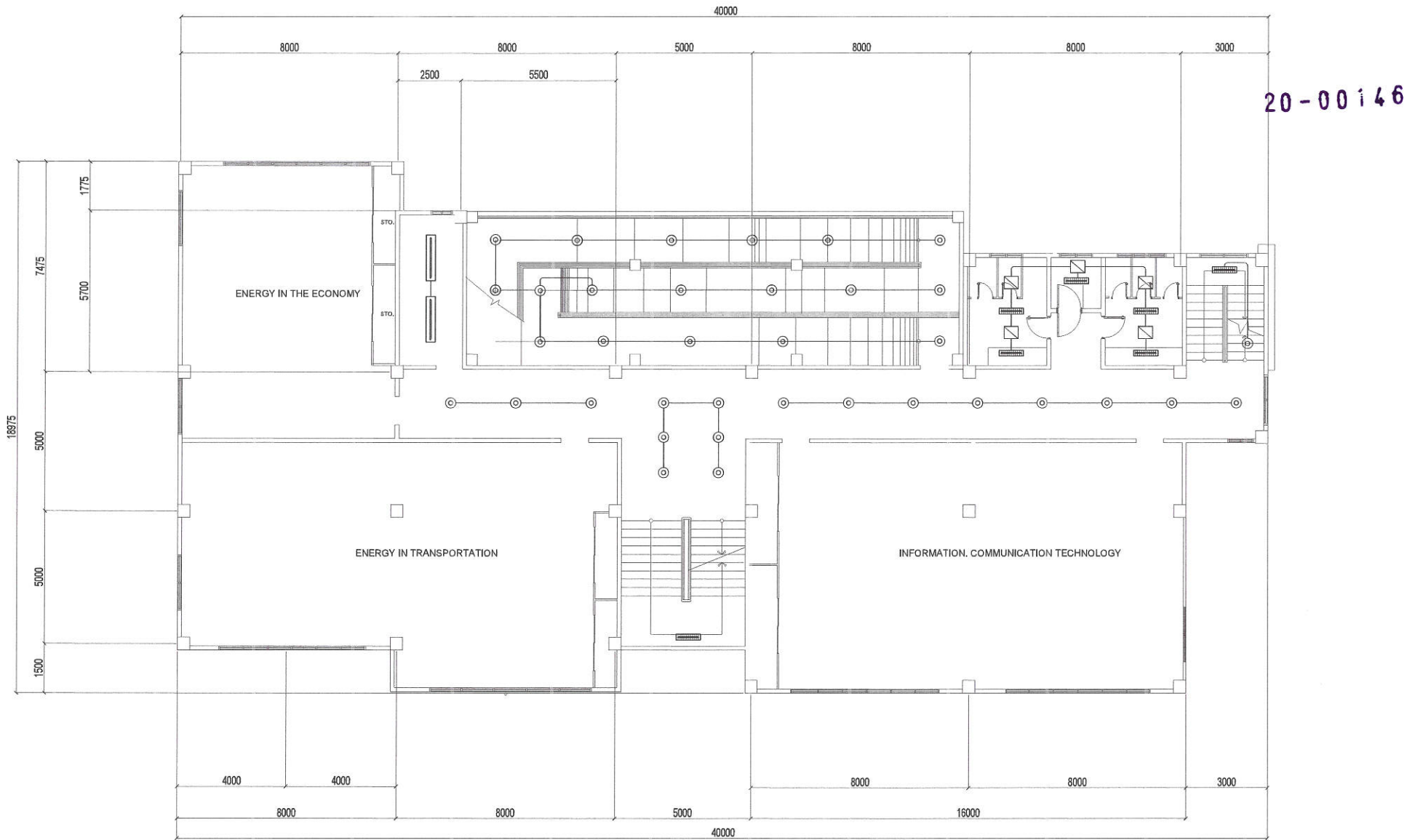
SHEET CONTENT
GROUND FLOOR
LIGHTING LAYOUT

SHEET NO.
EL-03



NOTE:
1)REPLACEMENT OF LIGHTING FIXTURES.
2) RETAIN EXISTING SWITCHING CONTROLS.

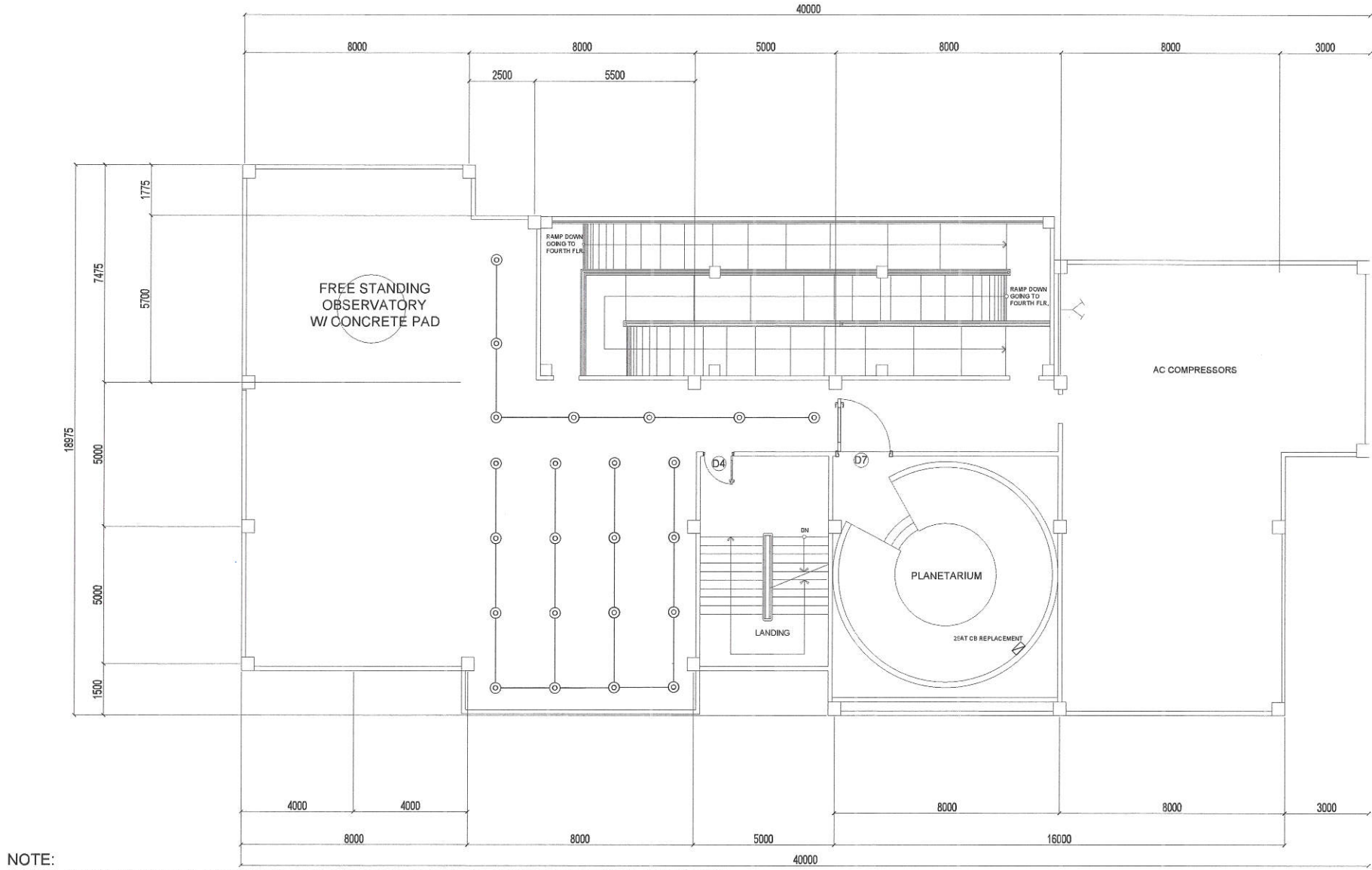
1		SECOND FLOOR LIGHTING LAYOUT					SCALE :N.T.S.	
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : 	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.	
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR , QUEZON CITY	SECOND FLOOR LIGHTING LAYOUT	EL-04	
		CHECKED BY : 						
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	REVISION NO.:						



NOTE:
1) REPLACEMENT OF LIGHTING FIXTURES.
2) RETAIN EXISTING SWITCHING CONTROLS.

1		THIRD AND FOURTH FLOOR LIGHTING LAYOUT					SCALE :N.T.S.	
 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :		DRAWN BY : 	SUBMITTED BY:	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER		DATE :	 ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR , QUEZON CITY	THIRD AND FOURTH FLOOR LIGHTING LAYOUT	EL-05
			CHECKED BY: 					
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY		REVISION NO.:					

20-00146



NOTE:
1) REPLACEMENT OF LIGHTING FIXTURES, CIRCUIT BREAKERS AND PANELBOARD ASSEMBLY.
2) RETAIN EXISTING SWITCHING CONTROLS.

1 ROOF DECK LIGHTING AND POWER LAYOUT SCALE :N.T.S.

 Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE :	DRAWN BY : <i>[Signature]</i>	SUBMITTED BY :	RECOMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	<i>[Signature]</i> ENGR. LEO S. DEL ROSARIO HEAD , PLANNING & PROGRAMMING DIVISION	<i>[Signature]</i> ENGR. SAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR , QUEZON CITY	ROOF DECK LIGHTING AND POWER LAYOUT	EL-06
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY : <i>[Signature]</i>					
		REVISION NO.:					

20-00146

ALL MECHANICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL BUILDING CODE, PSME CODE AND THE RULES AND REGULATIONS OF QUEZON CITY.

THE SCOPE OF WORK SHALL INCLUDE ALL WORKS DESCRIBED IN PLANS.

THE WORKS SHALL BE EXECUTED IN CLOSE COORDINATION WITH ALL OTHER TRADES.

ALL AIR-CONDITIONED SPACES SHALL BE MAINTAINED AT 24°C DB AND 50% RH.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, MANUFACTURERS CATALOGUE, SPECIFICATIONS, SAMPLES, INCLUDING VIBRATION ISOLATORS BEFORE EXECUTION OF WORK.

ALL FLOOR SLAB MOUNTED VIBRATING EQUIPMENT SHALL BE PROVIDED WITH VIBRATION ISOLATORS TO PREVENT VIBRATIONS AND NOISE TRANSMISSION.

EXHAUST FAN SHALL BE PROVIDED WITH SUITABLE FLEXIBLE CONNECTIONS TO DISCHARGE DUCT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING AND COMMISSIONING OF THE WHOLE VENTILATION AND AIR-CONDITIONING SYSTEM AND INSTALLATION.

ALL POWER WIRING SHALL BE ELECTRICAL AND TERMINATION TO EQUIPMENT SHALL BE MECHANICAL.

PROVIDE CONTROL WIRING FOR AIR-CONDITIONING EQUIPMENT. PROVIDE THERMOSTAT FOR ALL INDOOR UNITS / FAN COIL UNITS.

VERIFY LOCATION OF CONTROLLERS AND SWITCHES ON ELECTRICAL PLANS.

ALL PIPE EQUIPMENT CONDENSATE DRAIN SHALL BE CONNECTED TO THE NEAREST FLOOR DRAIN/ AREA DRAIN/ CATCH BASIN.

PROVIDE GUIDES, HANGERS, AND SUPPLEMENTAL STEEL SUPPORT FOR ALL PIPING, DUCTING AND EQUIPMENTS.

PROVIDE PIPE SLEEVES FOR ALL PIPING PASSING THRU BUILDING STRUCTURE.

ALL PIPE DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.

1 GENERAL NOTES

SCALE :N.T.S.



- DEHUMIDIFIER

m²

- SQUARE METER

Ø

- PHASE

V

- VOLTS

HP

- HORSEPOWER

Hz

- HERTZ

W

- WATTS

CFm

- CUBIC FEET PER MINUTE

mm

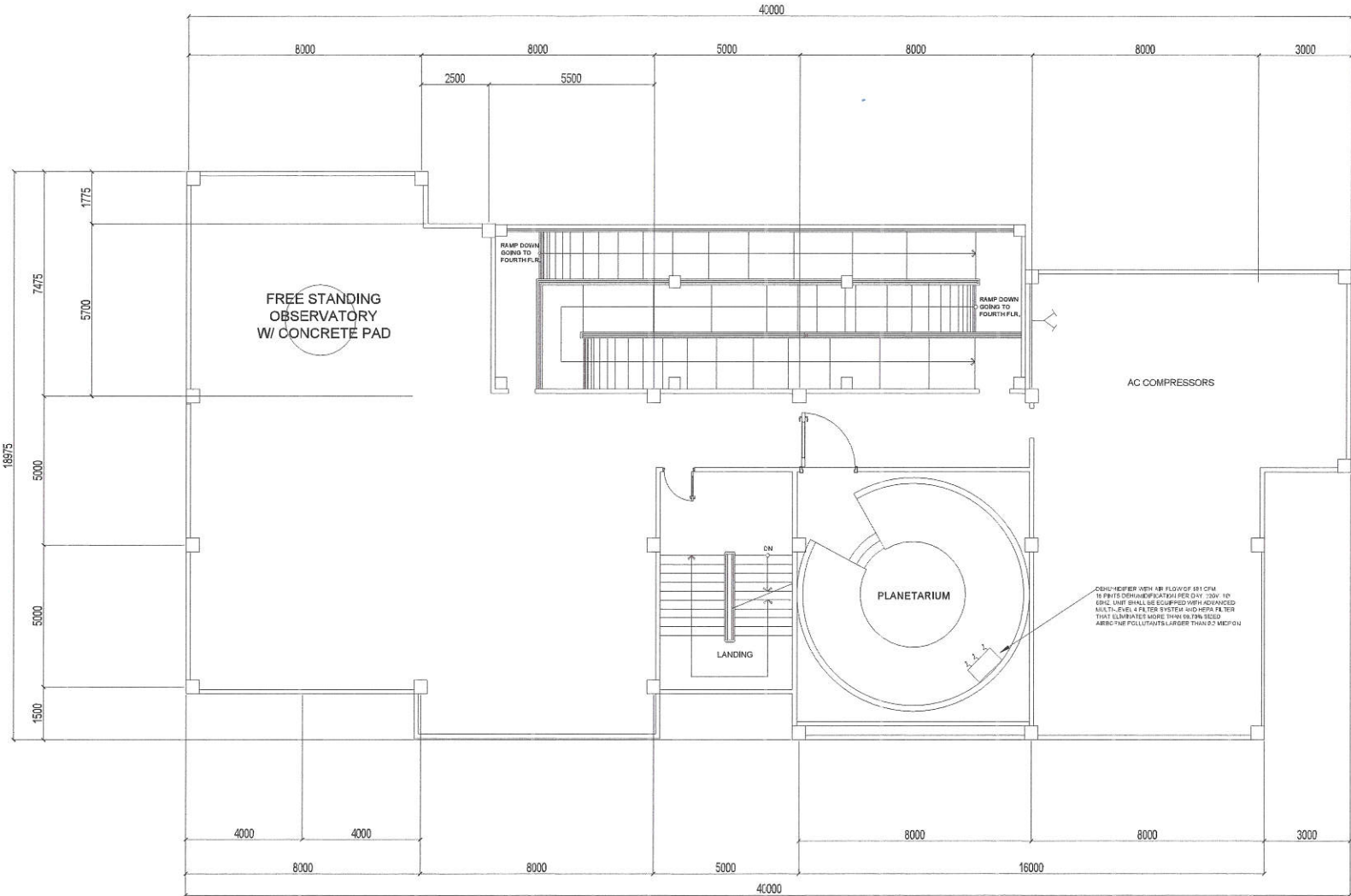
- MILLIMETER

KCal/HR

- KILO CALORIE PER-HOUR

RPM

- REVOLUTION PER MINUTE



2 LEGEND & SYMBOLS

SCALE :N.T.S.

3 PLANETARIUM DEHUMIDIFIER LAYOUT

SCALE :N.T.S.



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :

PROPOSED REHABILITATION OF
QUEZON CITY SCIENCE
INTERACTIVE CENTER

LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY

DRAWN BY: *[Signature]*

DATE :

CHECKED BY: *[Signature]*

REVISION NO.:

SUBMITTED BY:

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

RECOMMENDING APPROVAL :

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

APPROVED BY :

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

SHEET CONTENT

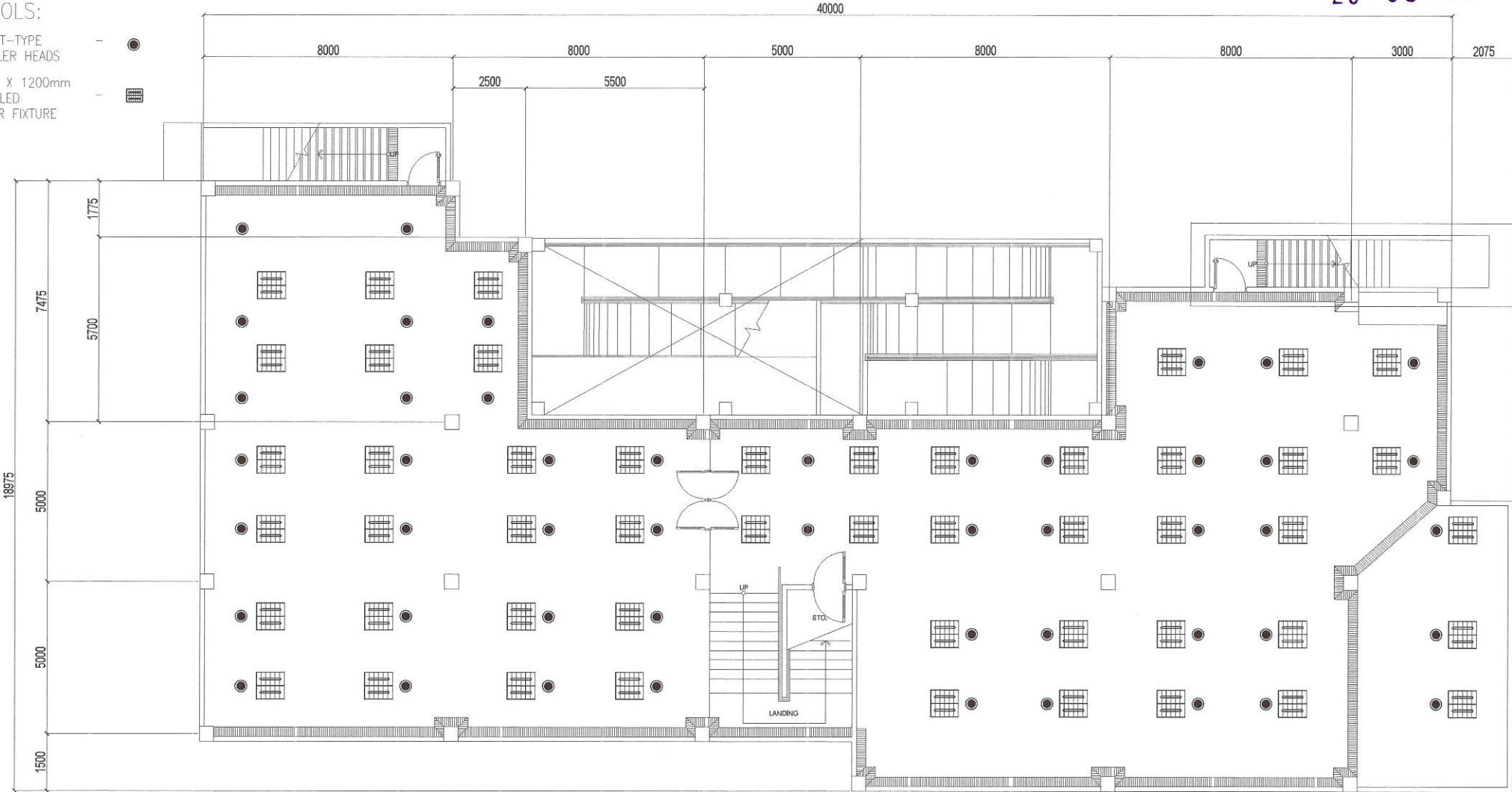
GENERAL NOTES
LEGEND & SYMBOLS
PLANETARIUM DEHUMIDIFIER
LAYOUT

SHEET NO.

ME-01

LEGENDS &
SYMBOLS:

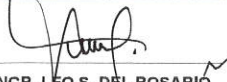
PENDENT-TYPE
SPRINKLER HEADS
600mm X 1200mm
2x18W LED
TROFFER FIXTURE



20-00146

NOTE:
ALL UPRIGHT-TYPE SPRINKLER HEADS SHALL BE REPLACED OR
CONVERTED TO PENDENT-TYPE SPRINKLER HEADS

1 BASEMENT PROPOSED FIRE SPRINKLER SYSTEM LAYOUT SCALE :N.T.S.

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	PROPOSED REHABILITATION OF QUEZON CITY SCIENCE INTERACTIVE CENTER	DATE :	 ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	BASEMENT PROPOSED FIRE SPRINKLER SYSTEM LAYOUT	FP-01
	LOCATION: BARANGAY STO. CRISTO, DISTRICT 1, QUEZON CITY	CHECKED BY : 					