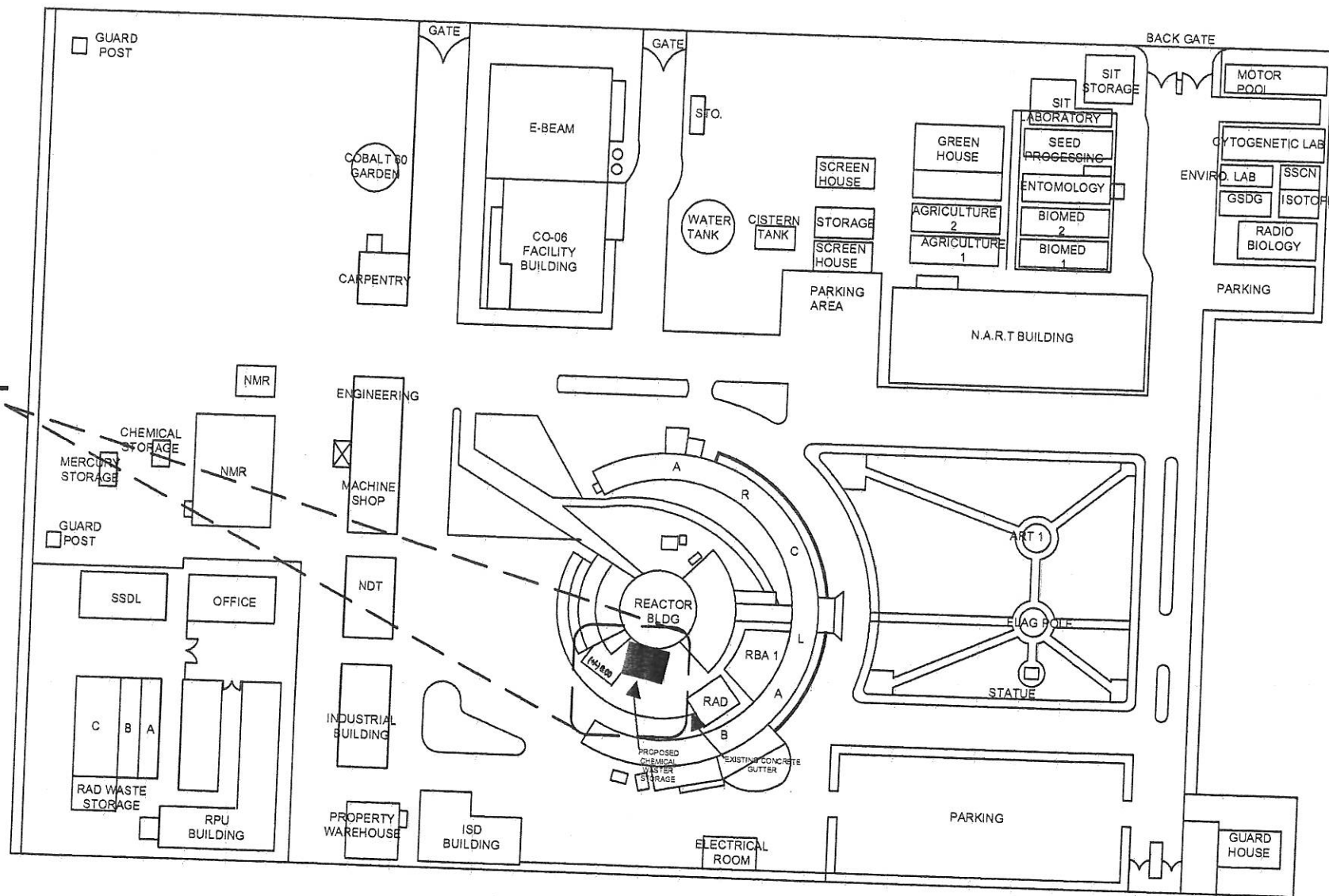


**UPGRADING OF EXISTING
CHEMICAL WASTE STORAGE
FACILITY**

PROJECT SITE



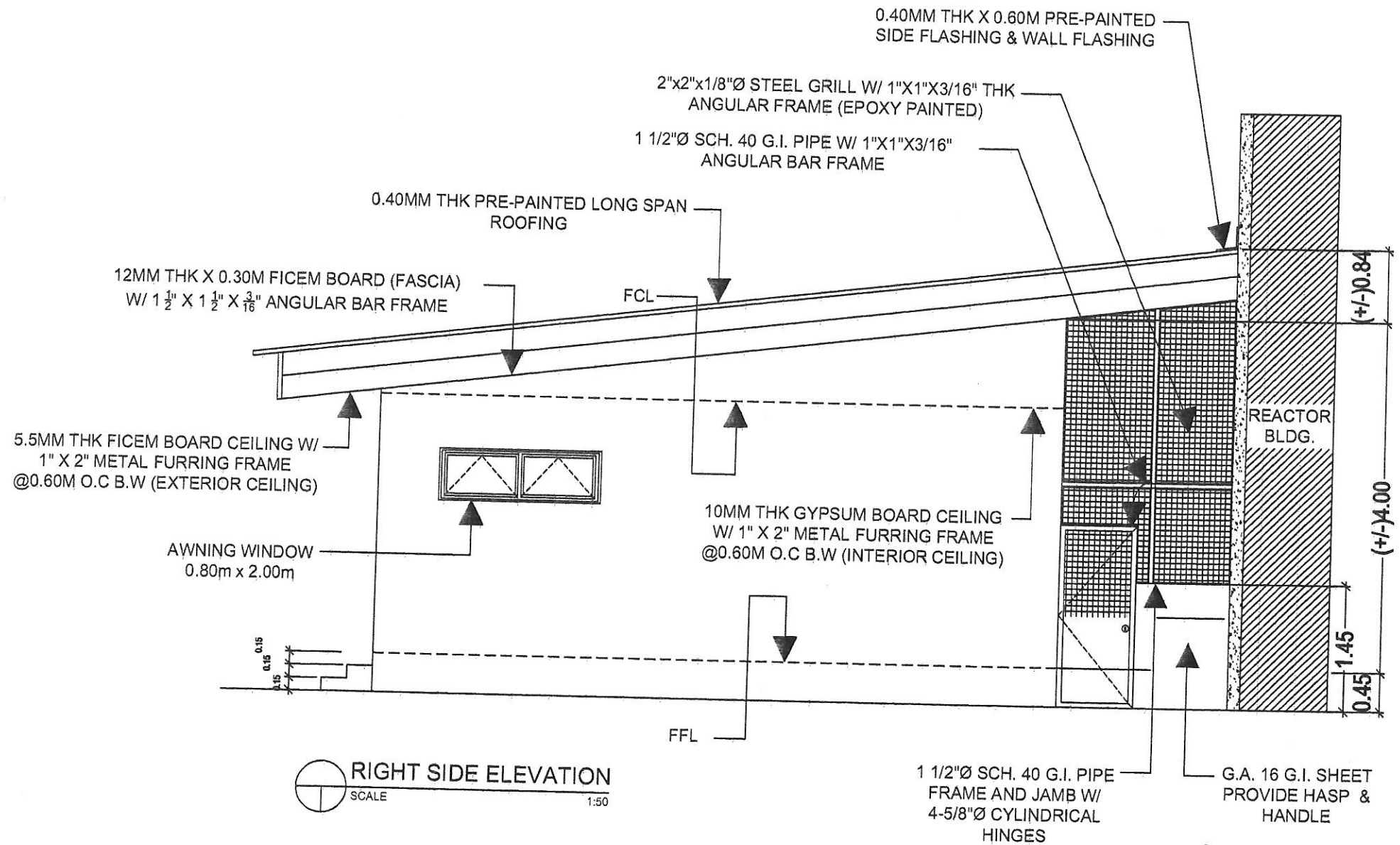
1 SITE DEVELOPMENT PLAN
SCALE NTS



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COMMONWEALTH AVENUE, DILMAN QUEZON CITY

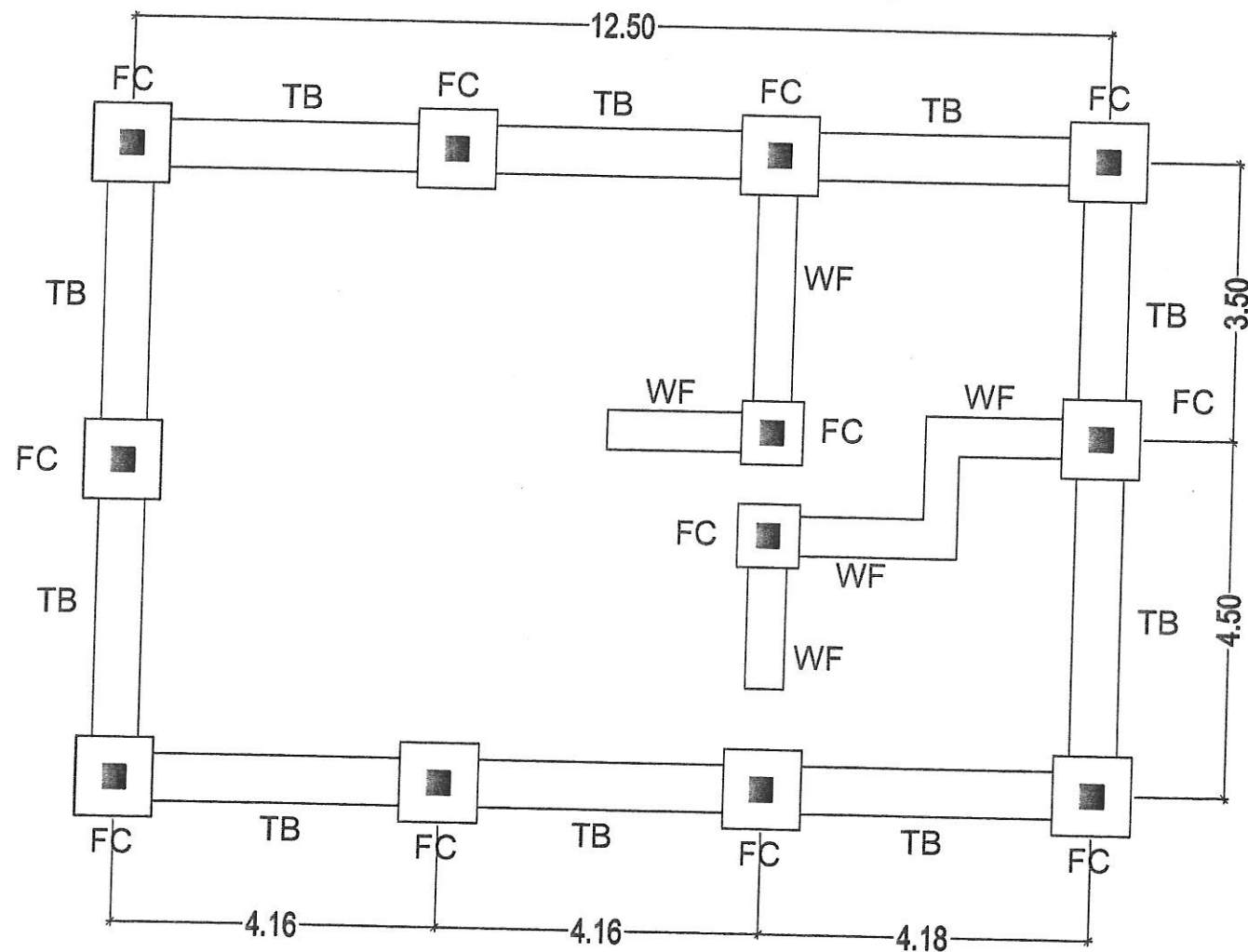
PROJECT	OWNER	SHEET CONTENT	PREPARED BY	RECOMMENDING APPROVAL	APPROVED BY	DRAWN BY	CHECKED BY	DATE	PROJ. NO.	PROJECT ITEM NO.
UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	SITE DEVELOPMENT PLAN	Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer (E) SS	Engr. ARTURO F. SALA Senior Science Research Specialist Engr. RENATO T. BARAGA SSS NAME	NEIL RAYMOND D. GUILLERMO ENGINEERING CHIEF CARLO A. ARCILLA, Ph.D. DIRECTOR	JENRIQUEZ		JAN. 25, 2021		B-1
	ADDRESS: COMMONWEALTH AVENUE, DILMAN QUEZON CITY									1/81

CONSTRUCTION OF CHEMICAL WASTE STORAGE BUILDING



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PROJECT: UPGRADING OF ARC BLDG (CY2021)	OWNER: PHILIPPINES NUCLEAR RESEARCH INSTITUTE	SHEET CONTENT: SIDE ELEVATION	PREPARED BY: Engr. ROSALIND B. REAS Senior Science Research Engineer Engr. ANDREW C. BARRERA Engineer III	RECOMMENDING APPROVAL: NEIL RAYMUND D. GUILLERMO Engineering Officer Engr. RENATO T. BAYAGA Senior Engineer	APPROVED BY: CARLO A. ARDILLA, Ph.D. Director	DRAWN BY: JENRUIQUEZ	PROJECT ITEM NO.: B-6
	ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY					CHECKED BY:	PAGE NO.: 6/81
						DATE: JAN 28, 2021	PROJ. NO. 1

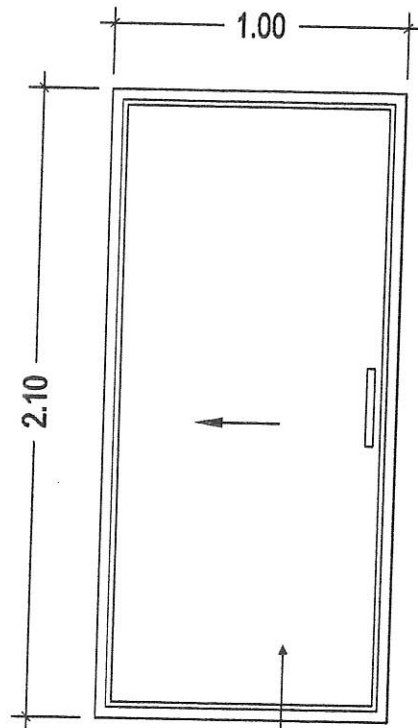


FOUNDATION PLAN
SCALE 1:75



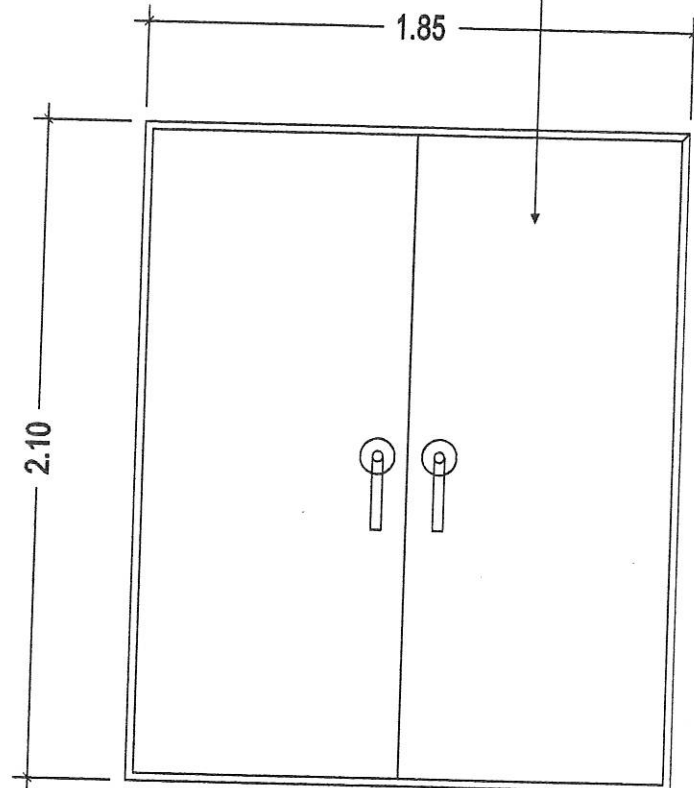
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PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	FOUNDATION PLAN	Engr. ROSALYN B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. 1, ESS	Engr. ARTURO F. SABA Senior Science Research Specialist Engr. RENATO T. BARAGA Engr. 1, ESS	NEIL RAYMUND D. GUILLERMO Engineering Officer CARLO A. ARCILLA, P.E. Director	JENRIQUEZ	B-8
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN 20, 2021	8/81
						PROJ. NO.:	



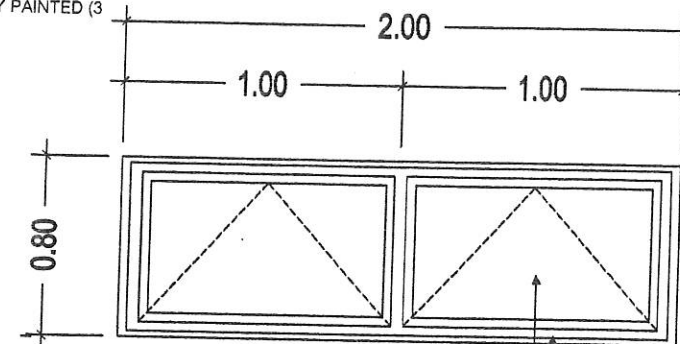
2"X2" ANALOK ALUM.
FRAME COMPLETE
W/ ACCESSORIES TRACK
AND ROLLERS & LOCKSET

SLIDING DOOR



STEEL DOOR (1.85M X 2.20M) FIRE
RATED W/ FOAM INSULATION G.A16
PLAIN G.I SHEET, EPOXY PAINTED (3
COATS)

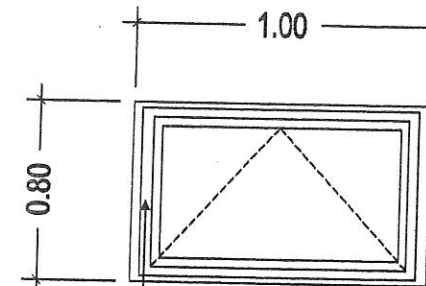
DOUBLE STEEL DOOR



AWNING WINDOW 1

ANALOK ALUMINUM FRAME W/
1/4" THK BRONZE GLASS W/
ANALOK ALUMINUM HANDLE
AND HEAVY DUTY HINGES

2"X4" ANALOK ALUMINUM
TUBULAR JAMB



AWNING WINDOW 2

ANALOK ALUMINUM FRAME W/
1/4" THK BRONZE GLASS W/
ANALOK ALUMINUM HANDLE
AND HEAVY DUTY HINGES



SCHEDULES OF DOORS & WINDOWS

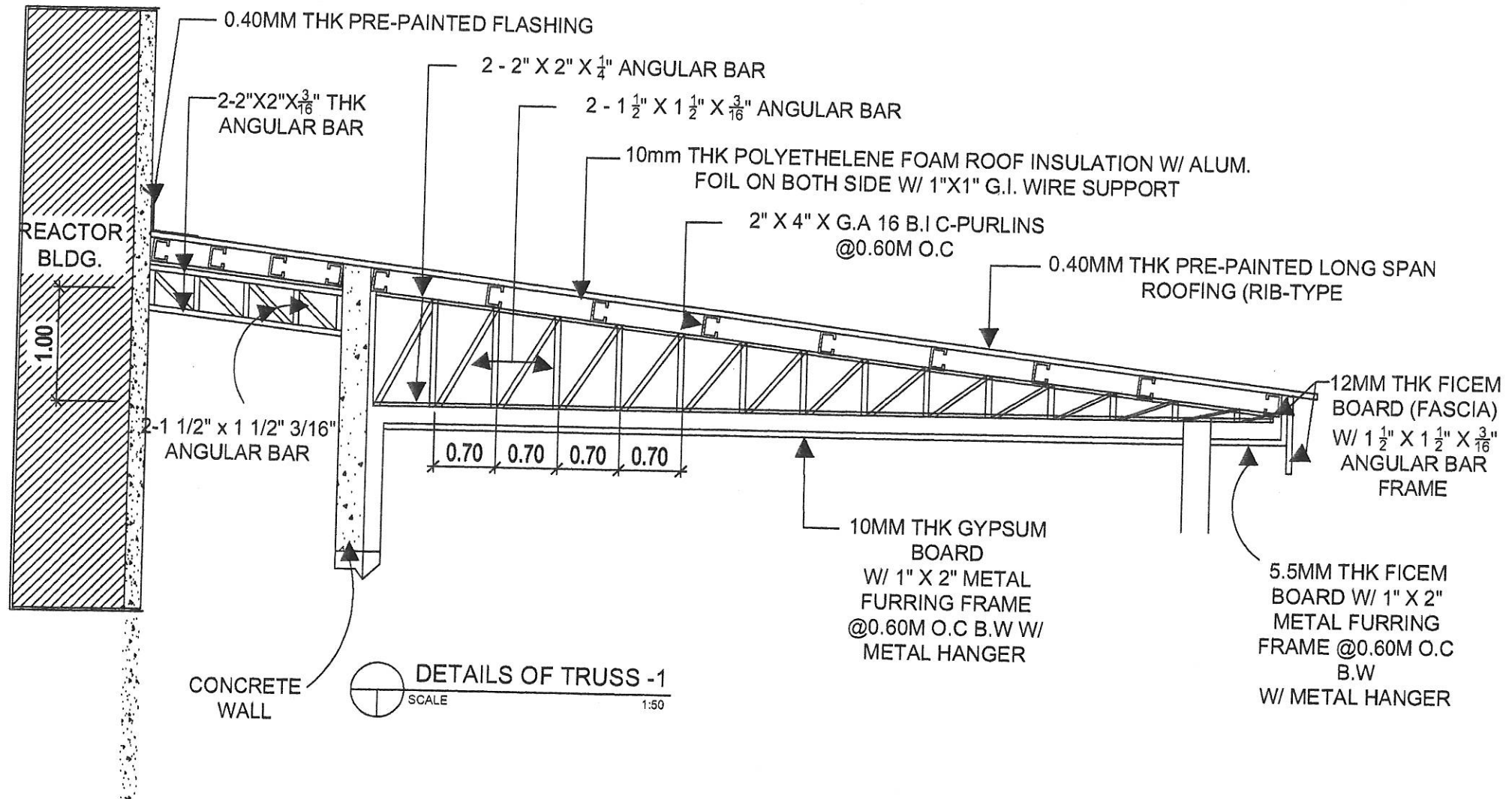
SCALE

NTS



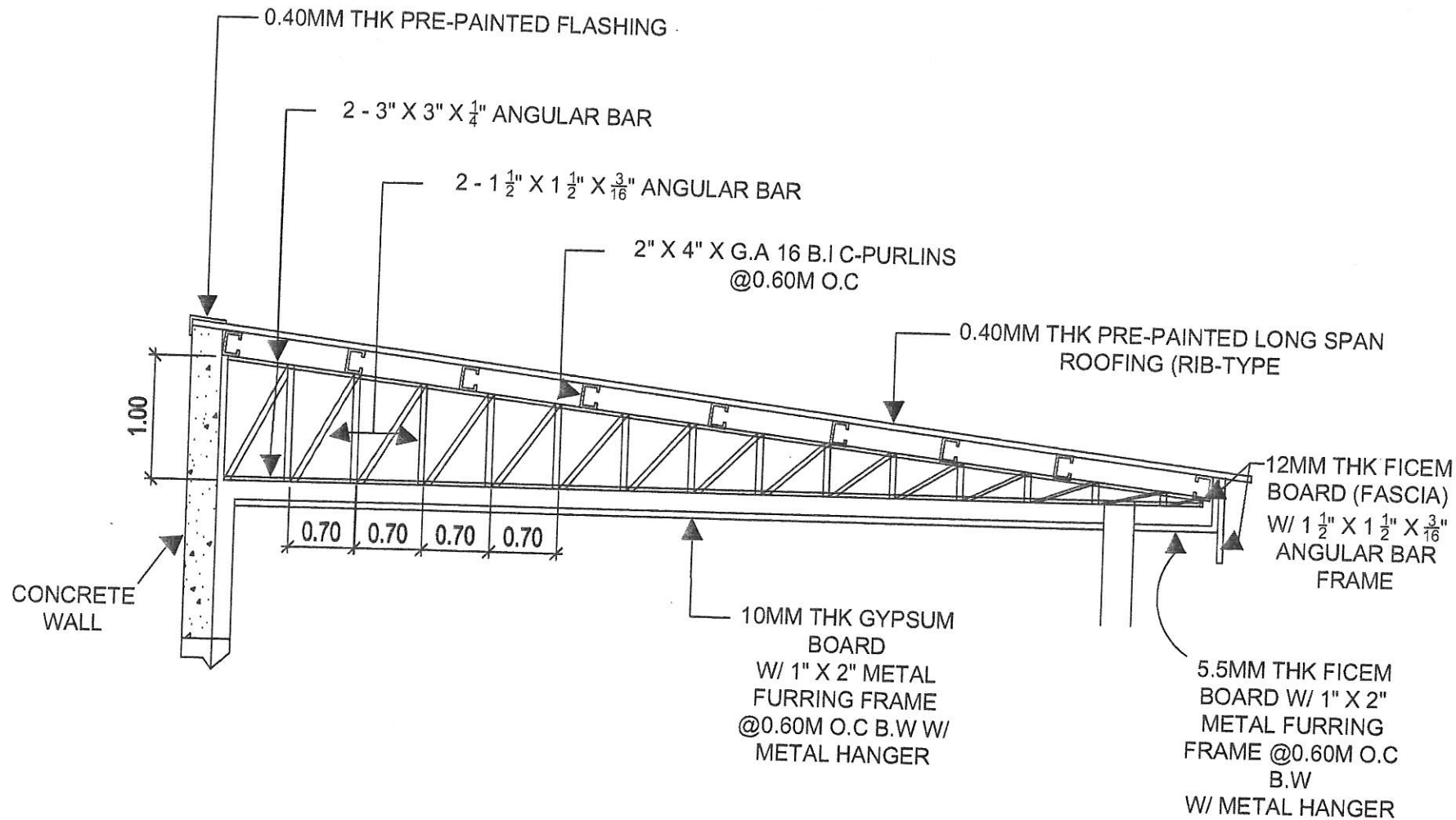
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COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	SCHEDULES OF DOORS & WINDOWS	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARBOSA Engineer I, ESS	Engr. ARTURO P. SALAH Senior Science Research Specialist NEC RAYMUNDO D. GUILLERMO Chief of the Division Engr. RENATO T. BAÑAGA Engineer I, ESS	CARLOS A. ANICILLA Director	JENRIQUEZ	B-9
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN. 28, 2021	9/81
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PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	DETAILS OF TRUSS	Engr. ROSALINDO B. REYES Senior Science Research Specialist	Engr. ARTURO F. SALIN Senior Science Research Specialist	NEIL RAYMUND D. GUILLERMO Engr. LEONARDO C. CHAVEZ	J. ENRIQUEZ	B-11
ADDRESS: COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY			Engr. ANDREW C. BARRICA Engineer / ESE	Engr. REMATO T. BARAGA U.S. NAME	CARLO A. ARCILLA, P.E. Director	CHECKED BY:	PAGE NO.:
						DATE: JAN 28, 2021	11/81
						PROJ. NO.:	

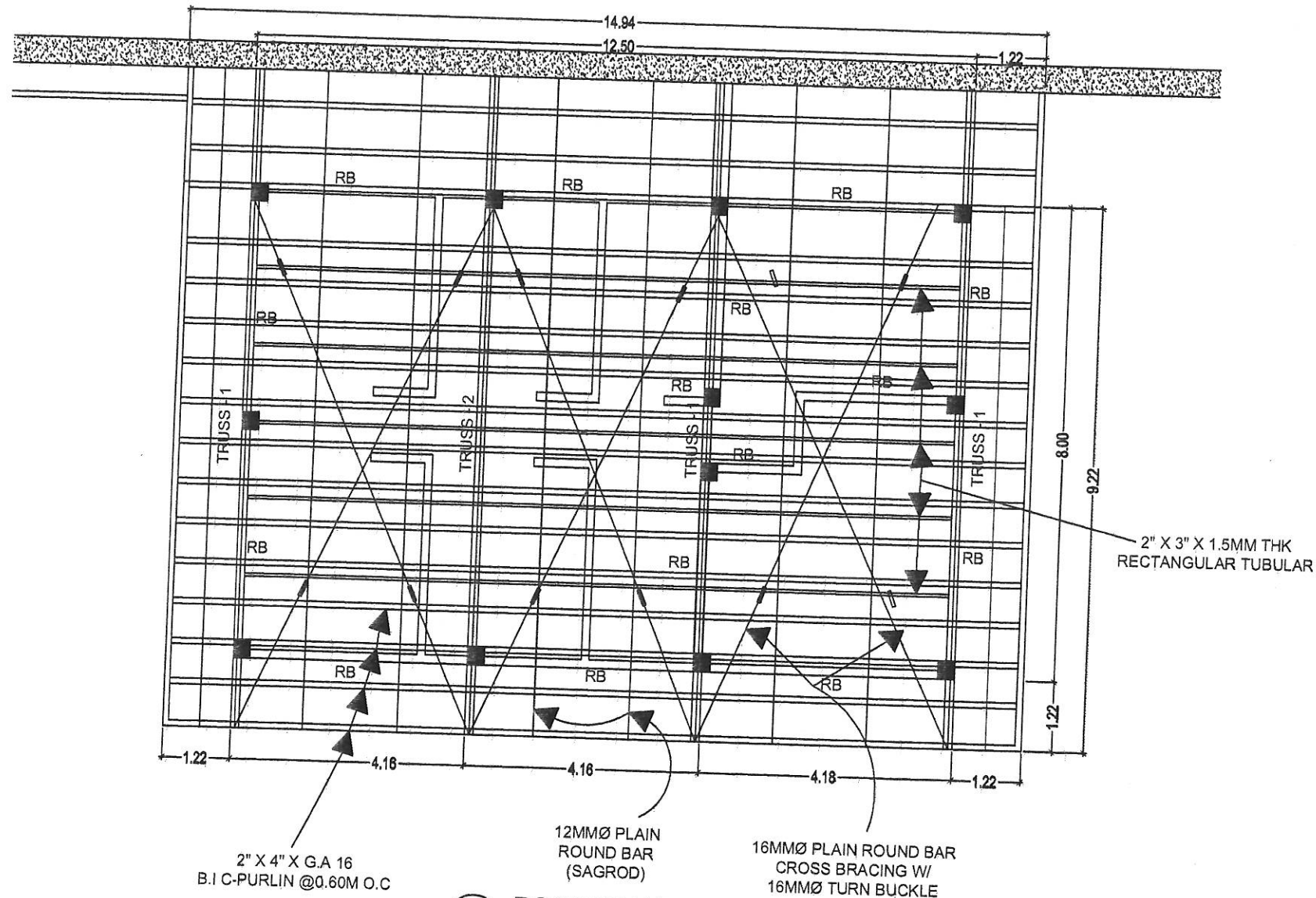


DETAILS OF TRUSS -2
SCALE 1:50



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UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	DETAILS OF TRUSS	Engr. ROSALYN B. REZAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Senior Scientist	Engr. ARTURO F. SALA Senior Science Research Specialist Engr. RENATO T. PANAGA Senior Scientist	NEIL RAYMUND D. GUILLERMO Engr. LUIS MICHAEL O. GARCIA CARLO A. ARCILLA, Ph.D. Director	JENRIGUEZ	B-12
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN. 26, 2021	12/81
						PROJ. NO.:	



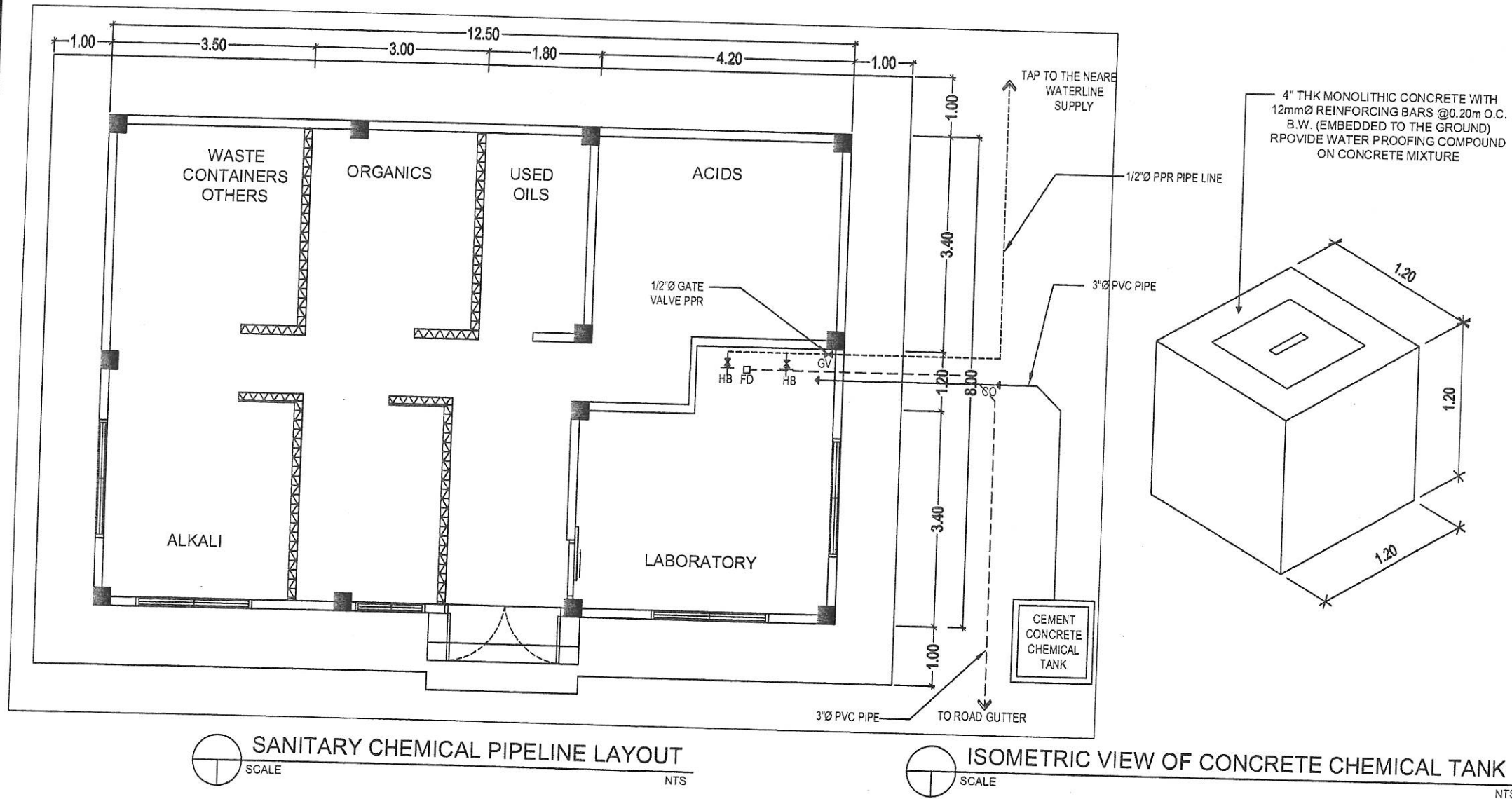
ROOF FRAMING PLAN

SCALE 1:75

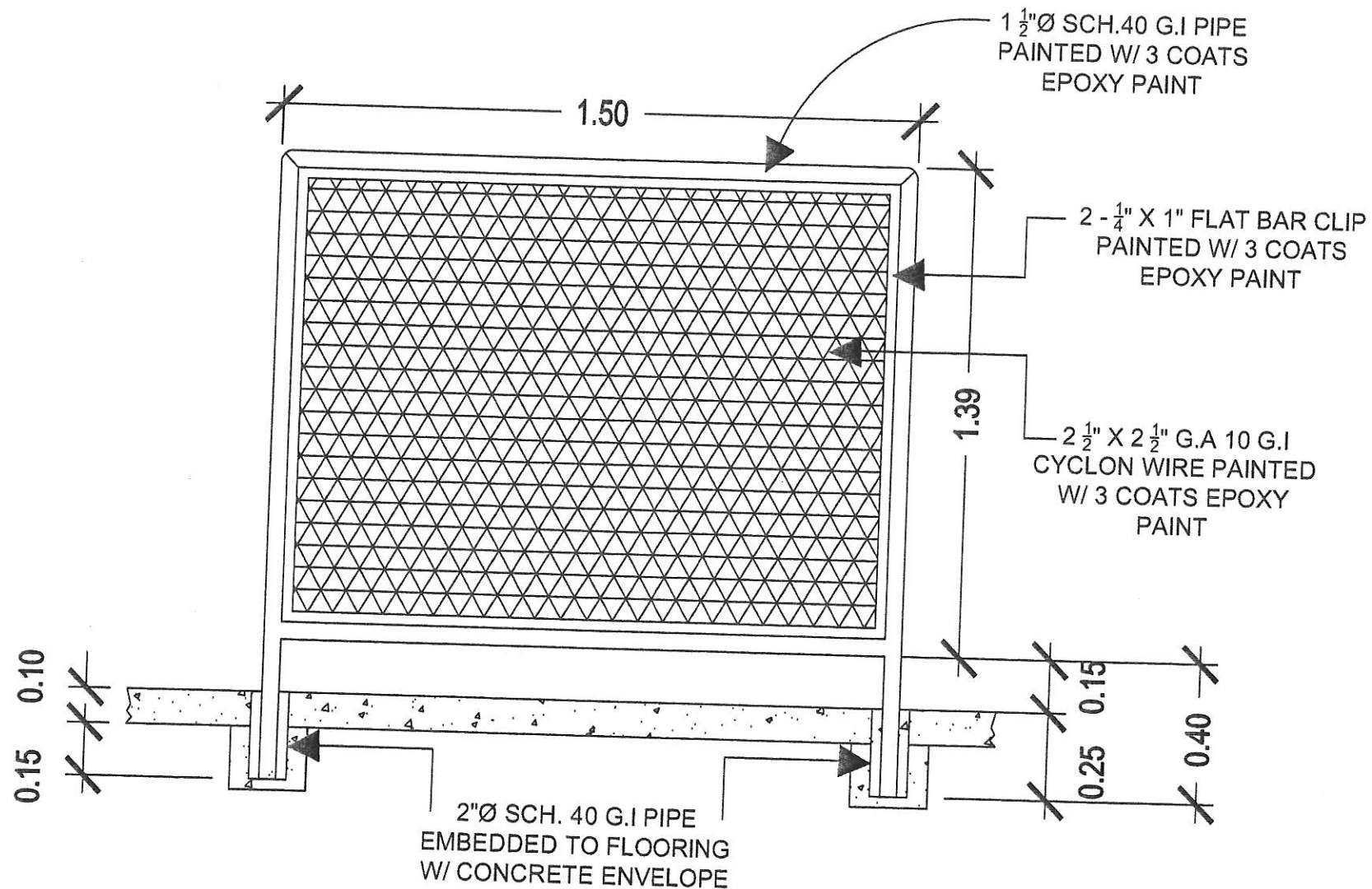


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COMMONWEALTH AVENUE, DUMAM, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ROOF FRAMING PLAN	Engr. ROSALINO B. REYES Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer I	Engr. ARTURO F. SALT Senior Science Research Specialist Engr. RENATO T. BARAGA AS PIA	NEIL RAYMUND D. GUILLERMO ENR-LEAD/DC COORD CARLO M. ABELLER, Ph.D. Director	JENRIQUEZ	B-13
ADDRESS: COMMONWEALTH AVENUE, DUMAM, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN. 28, 2021	13/81
						PROJ. NO.:	



 Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	PROJECT: UPGRADING OF ARC BLDG (CY2021)	OWNER: PHILIPPINES NUCLEAR RESEARCH INSTITUTE ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	SHEET CONTENT: SANITARY CHEMICAL PIPELINE LAYOUT	PREPARED BY: Engr. ROSALIND B. REJAS, Engr. ANDREW C. BARRICA Engr. ARTHURO F. SANTI, Engr. RENATO T. BARAGA	RECOMMENDING APPROVAL: NEL RAYMUND D. GUILLERMO, Engr. RENATO T. BARAGA	APPROVED BY: CARLO A. ARCILLA, D.	DRAWN BY: JENARQUEZ CHECKED BY: DATE: JAN. 28, 2021 PROJECT NO.: B-14 PAGE NO.: 14/81
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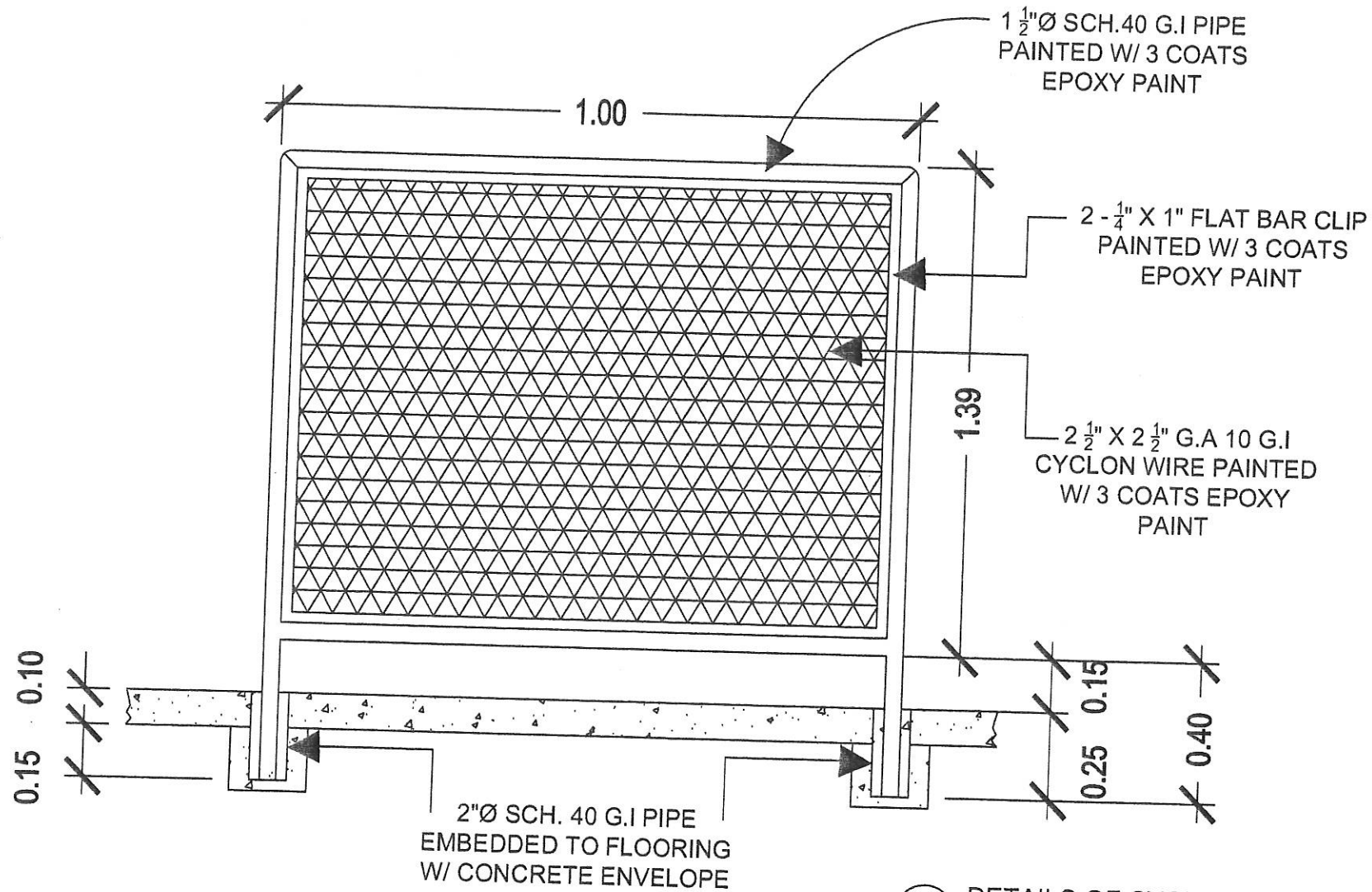


DETAILS OF CYCLONE WIRE PARTITION
SCALE 1:50
(8 SETS)



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UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	DETAILS OF CYCLONE WIRE PARTITION	Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRICA Engineer	Engr. ARTURO F. SALIN Senior Science Research Specialist Engr. REMATO BARAGA Engineer	Engr. RAYMUND D. GUILLERMO Engineering Consultant CARLO A. ARCILLA, Ph.D. Director	J. ENRIQUEZ	B-15
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
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						PROJ. NO.:	



DETAILS OF CYCLONE WIRE PARTITION
SCALE 1:50

(4 SETS)



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UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	DETAILS OF CYCLONE WIRE PARTITION	Engr. ROSALIND B. REJAS Senior Science Research Specialist	Engr. ARTURO F. SALTA Senior Science Research Specialist	MEIL RAYMUND O. GUILLERMO Engr. RAYMUND O. GUILLERMO Engr. RENATO L. PANAGA	CARLO A. ARCILLA, P.E. Director	B-17
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY			Engr. ANDREW C. BARRICA Engineer I, ESR				PAGE NO.:
							17/81
							DATE: JAN. 26, 2021
							PROJ. NO.:

LEGEND :

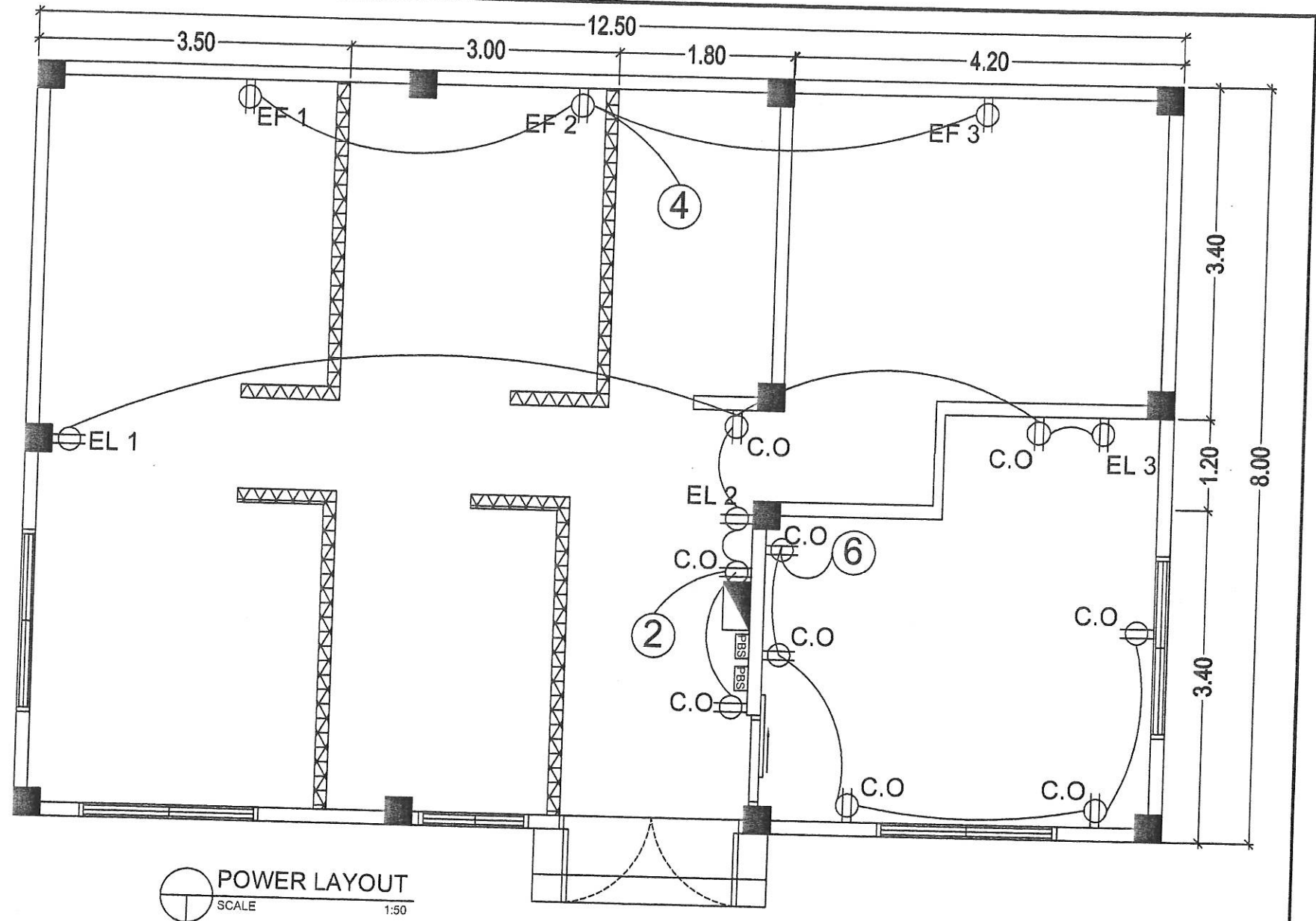
⊕ - EF

⊕ - C.O

⊕ - EL

■ - Panel board

⊕ - Push button switch



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PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY: J ENRIQUEZ	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	POWER LAYOUT	Engr. ROSALINO B. PELAS Senior Science Research Specialist Engr. ARTURO F. SASH Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer 1, ESE	NEL RAYMUND D. GUILLERMO Engineering Officer Engr. REMATO T. BARAGA ESE	CARLO A. ARCILLA, PhD. Director	CHECKED BY: DATE: JAN. 26, 2021	B-18
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						PRJ. NO.:	18/81

LEGEND :

○ - Pin Light

▬ - Fluorescent

■ - Panel board

□ - Push button switch

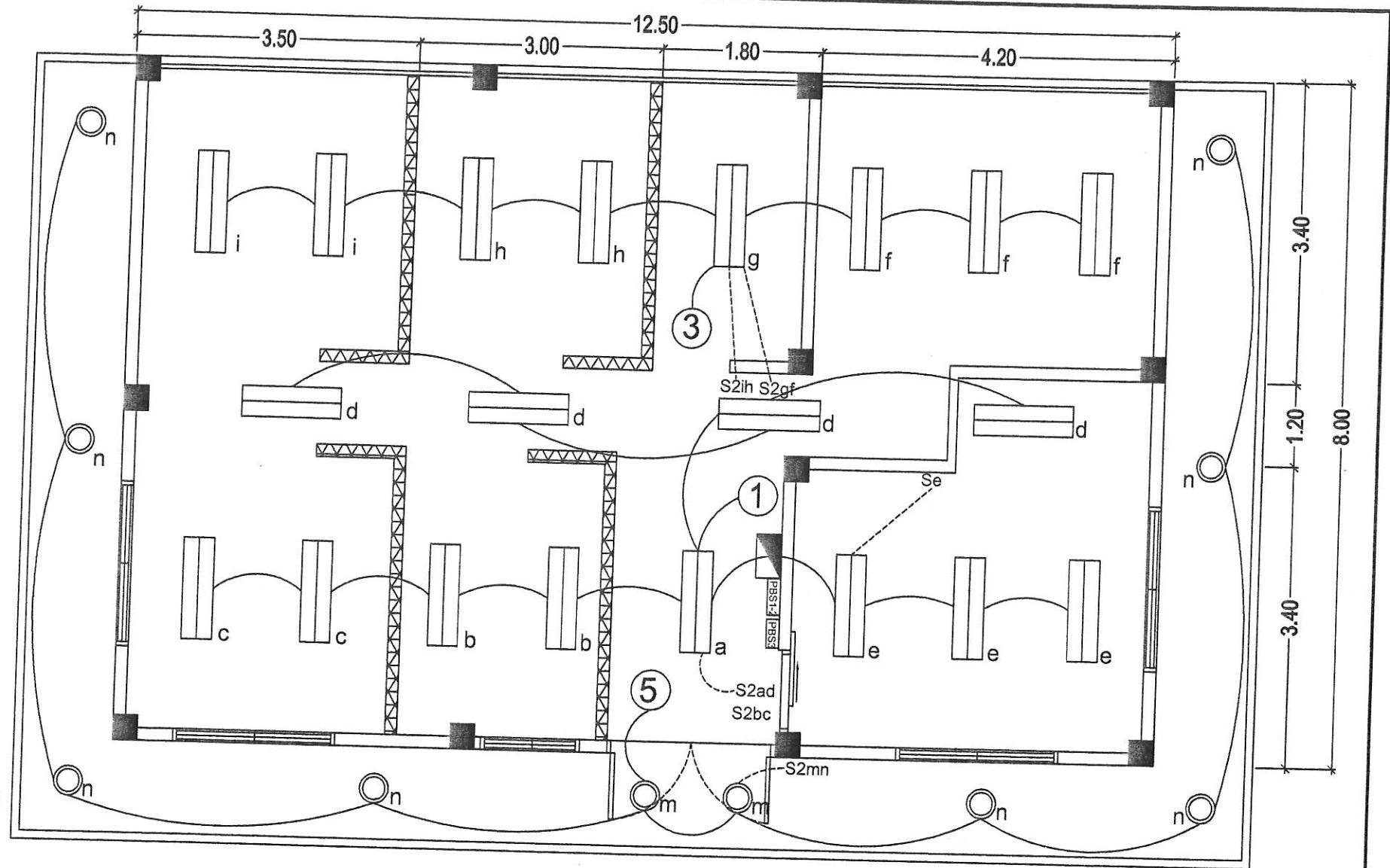
S2ab - Two-gang Switch

S1 - Single Switch Pole

NOTE :

PSB1-2 Control switch
of EF1 and EF2

PSB3 Control switch of EF3



LIGHTING LAYOUT
SCALE 1:50



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PROJECT:
UPGRADING OF
ARC BLDG
(CY2021)

OWNER:
PHILIPPINES NUCLEAR
RESEARCH INSTITUTE

ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

SHEET CONTENT:
LIGHTING LAYOUT

PREPARED BY:

Engr. ROSALIND B. REJAS
Senior Science Research Specialist

Engr. ARTURO A. SALDI
Senior Science Research Specialist

Engr. ANDREW C. BARRIDA
Engr. 1. 533

RECOMMENDING APPROVAL

NEIL RAYMUND D. GUILLERMO
Engr. 1. 533

Engr. RENATO T. BANAGA
Engr. 1. 533

APPROVED BY:

CARLO A. ARONILLA, Ph.D.
Director

DRAWN BY: JENRIQUEZ

CHECKED BY:

DATE: JAN. 28, 2021

PROJ. NO.:

PROJECT ITEM NO.:

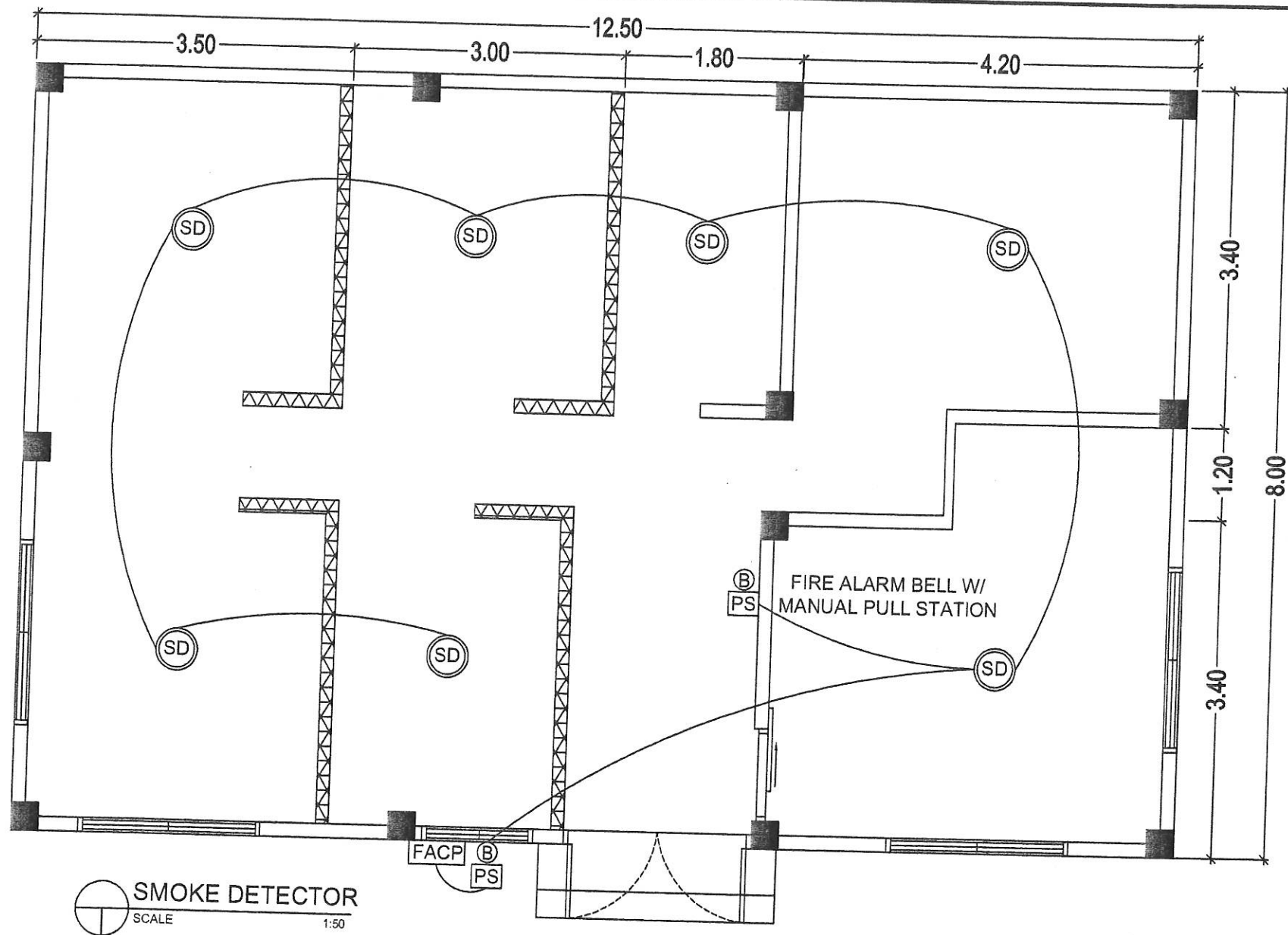
B-19

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19/81

LEGEND :

-  SMOKE DETECTOR
-  FIRE ALARM CONTROL PANEL
-  FIRE ALARM BELL W/ MANUAL PULL STATION



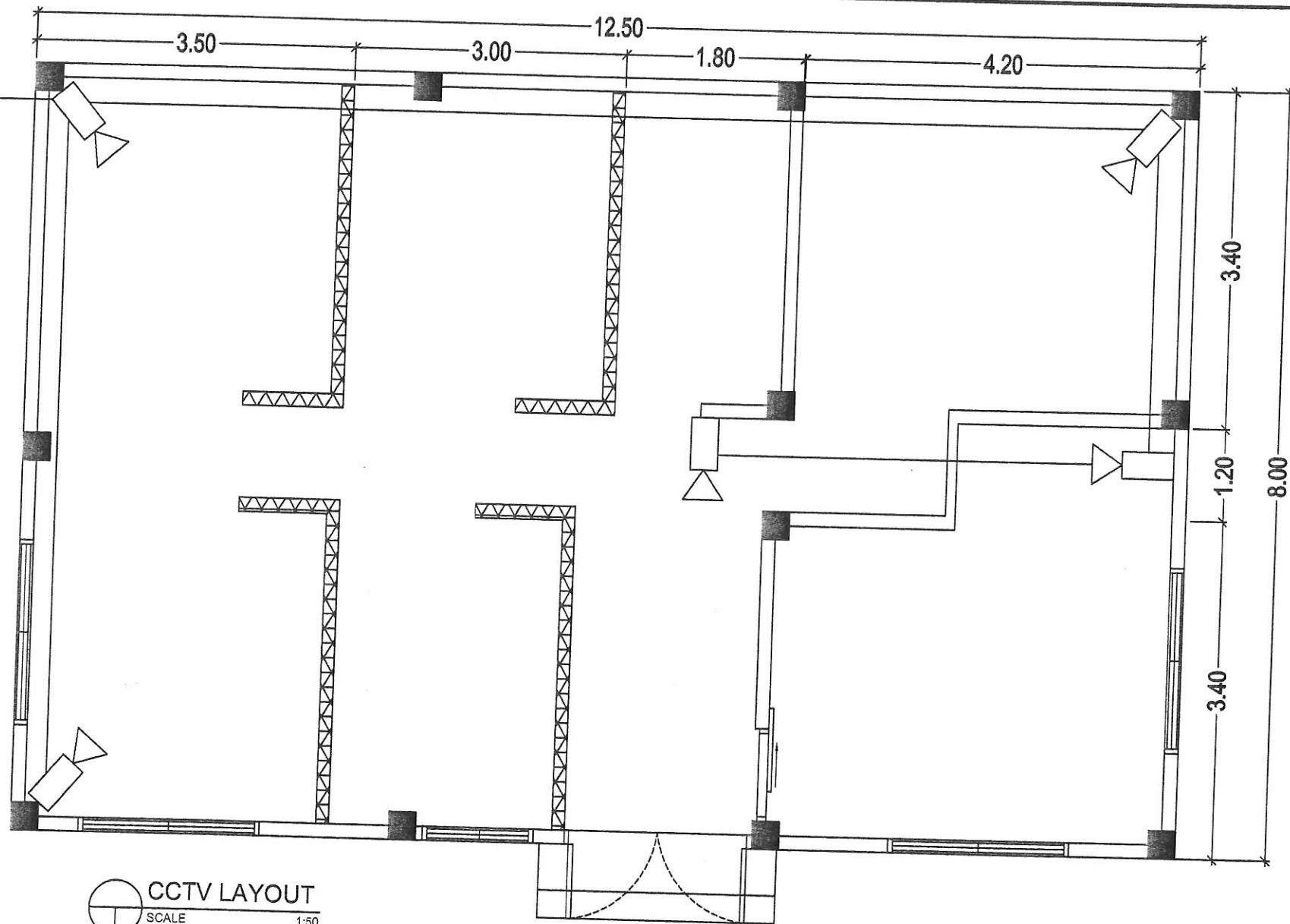
SMOKE DETECTOR
SCALE 1:50



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COMMONWEALTH AVENUE, DUMAN, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	SMOKE DETECTOR	Engr. ROSAMINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRICA Engr. I. ESO	Engr. ARTURO F. SALAS Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engr. RENATO T. BARAGA	CARLO A. ARCILLA, Ph.D. Director	JENRIQUEZ	B-20
	ADDRESS: COMMONWEALTH AVENUE, DUMAN, QUEZON CITY					CHECKED BY:	PAGE NO.:
						DATE: JAN 26, 2021	20/81
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TO NEUTRON LAB.
WEST WING
2ND FLOOR



 **CCTV LAYOUT**
SCALE 1:50



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UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	CCTV LAYOUT	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer 3, E&S	Engr. ARTURO F. SAAH Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engineering Chief Engr. RENATO T. BARAGA Assistant	CARLO A. ARCILLA, Ph.D. Director	JENRIQUEZ	B-21
	ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY					CHECKED BY:	FIGURE NO.:
						DATE: JAN. 25, 2021	21/81
						PROJ. NO.:	

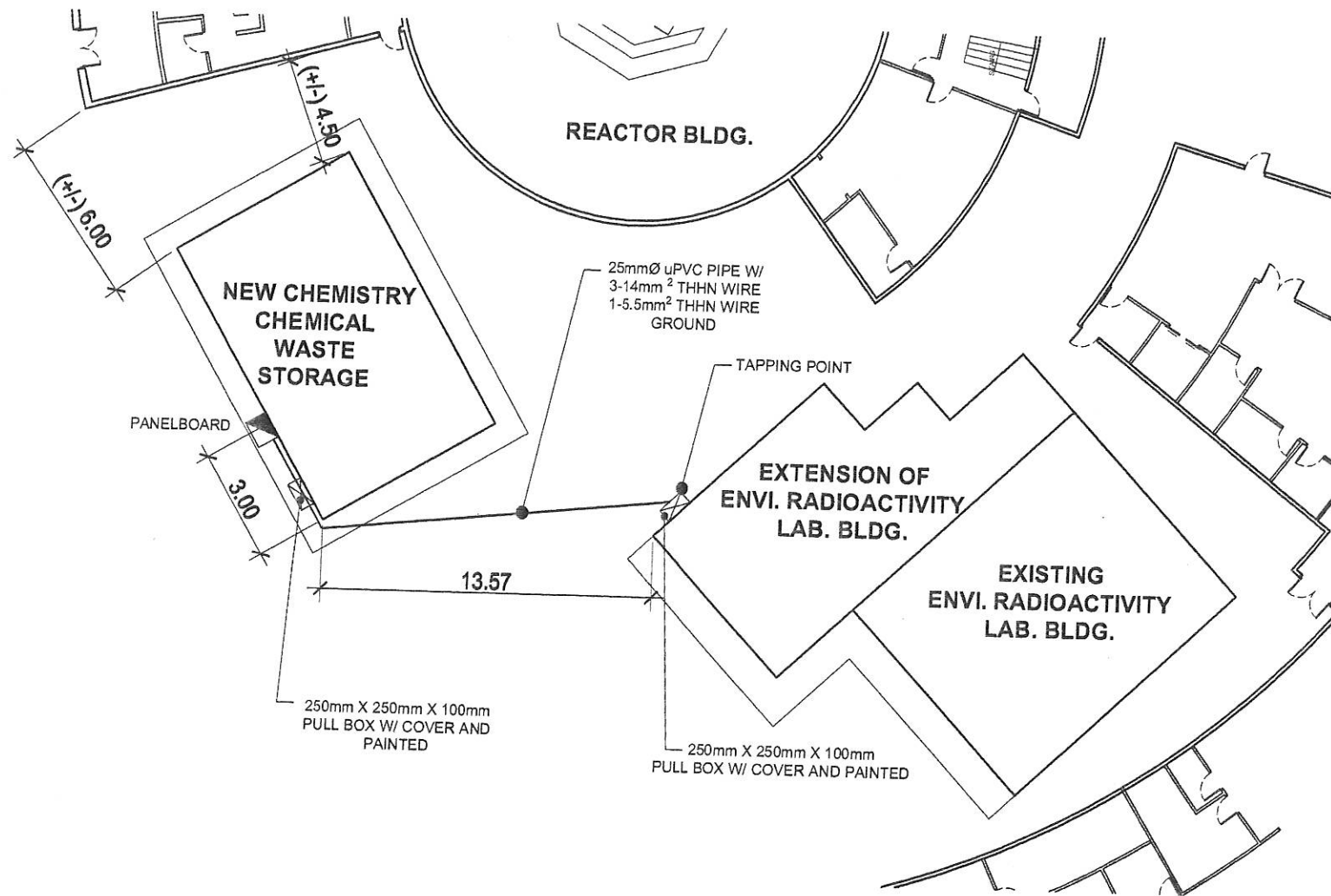
LOAD SCHEDULE

PANELBOARD, Upgrading Chemical Waste Storage										
CIRCUIT NUMBER	VOLTS	LOAD DESCRIPTION	Watts/VA	PHASE LOADING			CIRCUIT BREAKER			HOMERUN/WIRE SIZE
				ØAB	ØBC	ØCA	POLE	KAIC	TRIP	
1	230	12 - 18W Single Fluorescent, T8, LED	216	0.94			2	10	15	2-3.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
2	230	3 - 1/6Hp Exhaust Fans	1,518		6.60		2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
3	230	8 - 18W Single Fluorescent, T8, LED	144			0.63	2	10	15	2-3.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
4	230	5 - Duplex Convenience Outlets	1,800	7.83			2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
5	230	10 - Pinlights 12W LED	120		0.52		2	10	15	2-3.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
6	230	5 - Duplex Convenience Outlets	1,800			7.83	2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
7	230	Fumehood	1,000	4.35			2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
8	230	2.0 HP Split Type Aircon	1,920		8.35		2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
9	230	ECB	1,500			6.52	2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
10	230	Fire Alarm System	500	2.17			2	10	15	2-3.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
				15.29	15.47	14.97				
COMPUTATION: $I_L = [(15.47)(1.732) + 25\% (8.35)] \times 80\% \text{ D.F.} = 28.88 \times 0.8$ $I_L = 23.10 \text{ amperes}$				MAIN FEEDER USE: 3 - 14 mm ² , 1 - 5.5mm ² THHN CABLE on 25 mm. Diameter RSC Pipe				PROTECTION: USE: 60AT, 100AF, 3P, 230V, 22 KAIC Industrial Type Circuit Breaker		



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UPGRADING OF ARC BLDG (CY2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	SCHEDULE OF LOADS	Engr. ROSALINO B. PEJAS Senior Science Research Specialist Engr. ANDREW C. BARRICA Engineer I, ESS	Engr. ARTURO F. SALT Senior Science Research Specialist NEL RAYMOND D. GUILLERMO Engineering Chief Engr. RENATO T. BANAGA Engineer I, ESS	CARLO A. ANCILLA, Ph.D. Director	CHECKED BY: DATE: JAN. 28, 2021 PROJ. NO.:	B-23 PAGE NO.: 23/81



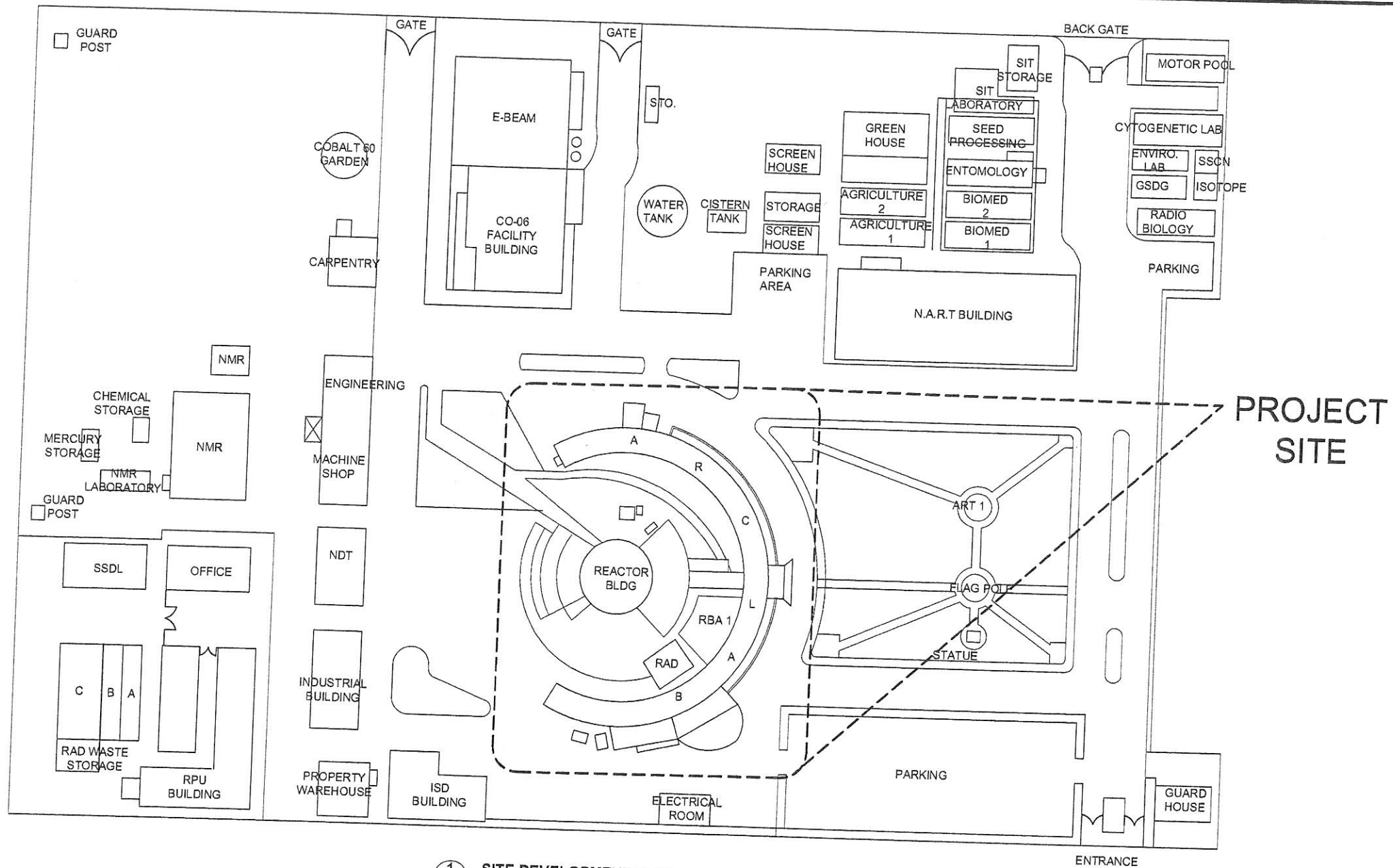
ELECTRICAL FEEDERLINE LAYOUT



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PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY: GENSLAZO	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	UPGRADING OF CHEMICAL WASTE STORAGE - FEEDERLINE LAYOUT	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. ARTURO F. SALVA Senior Science Research Specialist	NEIL RAYMUND D. GUILLERMO Engr. - User's Representative Engr. RENATO T. BANAGA ESS Head	CHARLO A. ARCILLA Ph. D. Director	CHECKED BY:	B-22
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						DATE: JAN. 28, 2021	PAGE NO.: 22/81

**REHABILITATION OF 2ND FLOOR
WEST WING REACTOR BLDG.**

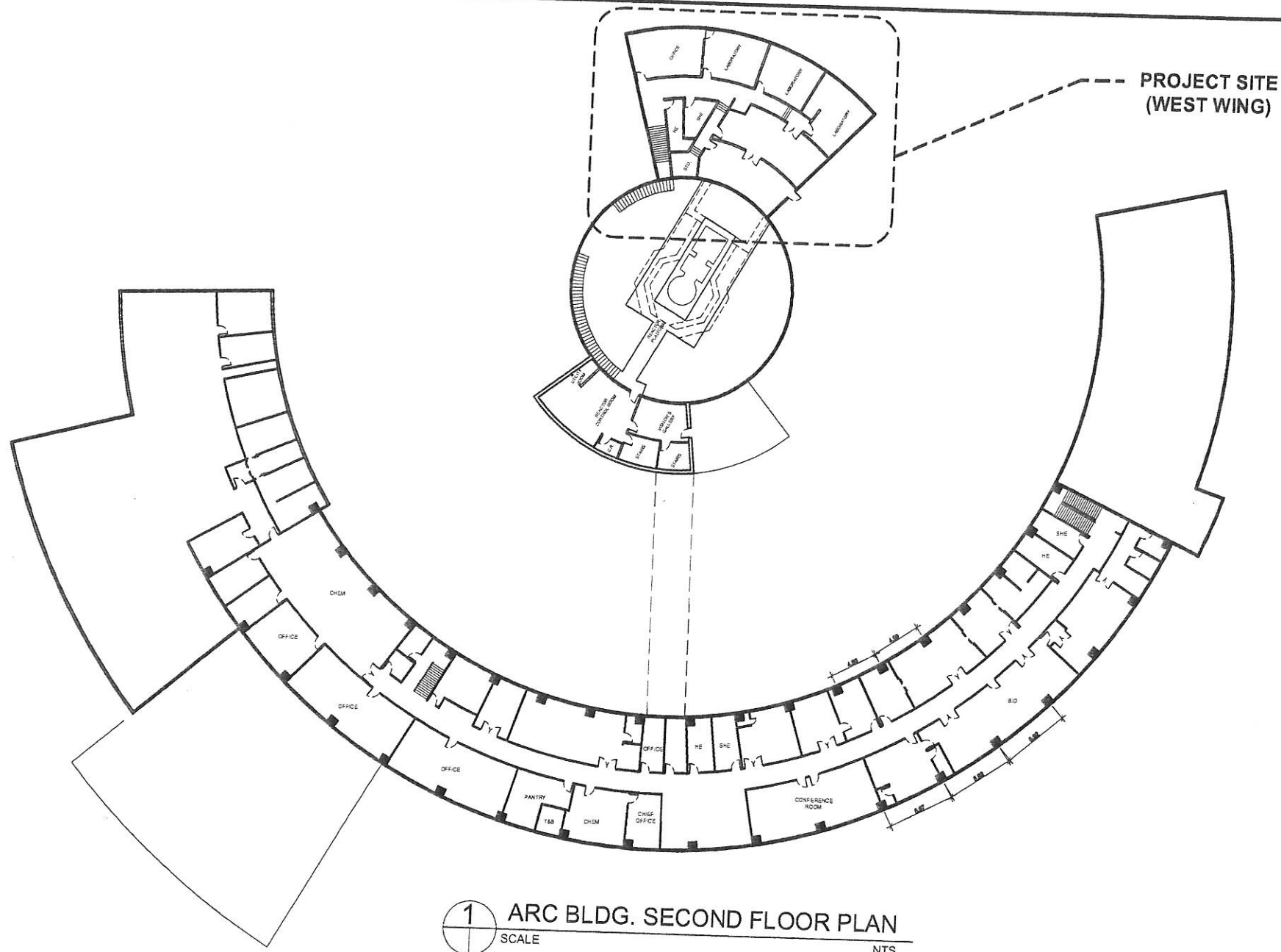


1 SITE DEVELOPMENT PLAN
SCALE NTS



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COMMONWEALTH AVENUE, DUMAYAN, QUEZON CITY

PROJECT	OWNER	SHEET CONTENT	PREPARED BY	RECOMMENDING APPROVAL	APPROVED BY	DRAWN BY	PROJECT ITEM NO.
UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	SITE DEVELOPMENT	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer III	Engr. ARDITO F. SALIH Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engr. RENATO T. BANAGA ESS Head	CARLO A. ARCILLA, Ph.D. Director	GENBLAZO	C-1
ADDRESS: COMMONWEALTH AVENUE, DUMAYAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN 25, 2021	24/81
						PROJ. NO.:	



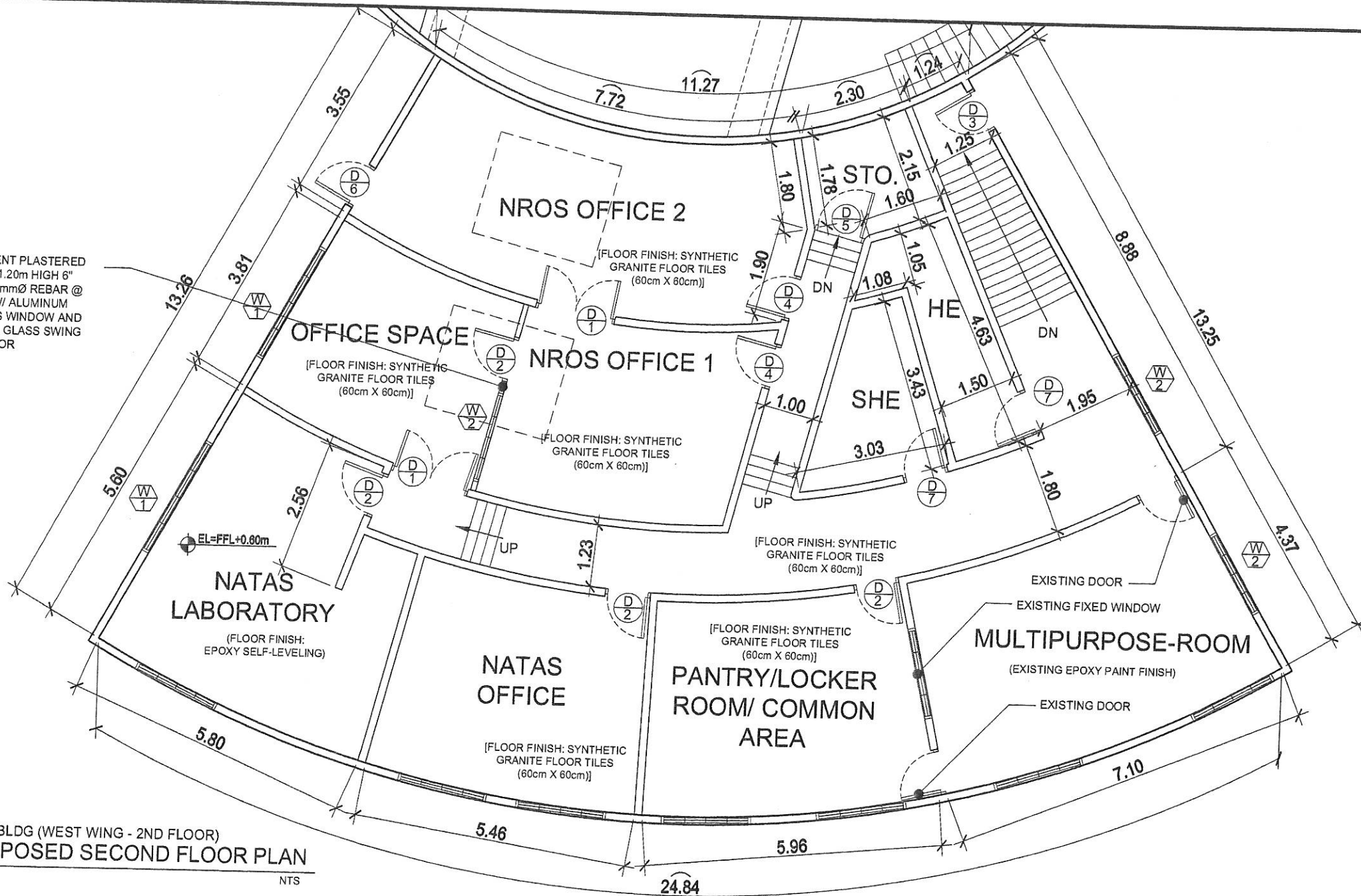
1 ARC BLDG. SECOND FLOOR PLAN
SCALE NTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DUMAMBI, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	ARC BLDG. WEST WING SECOND FLOOR PLAN	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. 1 E33	Engr. ARTURO F. SERRA Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Senior Scientist - Chief AND Engr. RENATO M. BANAGA ESS Head	CARLO A. ARCILLA, Ph.D. Director	GENBLAZO	C-2
ADDRESS: COMMONWEALTH AVENUE, DUMAMBI, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN. 28, 2021	25/81
						PROJ. NO.:	

SMOOTH CEMENT PLASTERED
FINISH NEW 1.20m HIGH 6"
THK CHB W/ 10mmØ REBAR @
0.60m O.C. W/ ALUMINUM
SLIDING GLASS WINDOW AND
ANALOK ALUM. GLASS SWING
DOOR



ARC. BLDG (WEST WING - 2ND FLOOR)
PROPOSED SECOND FLOOR PLAN

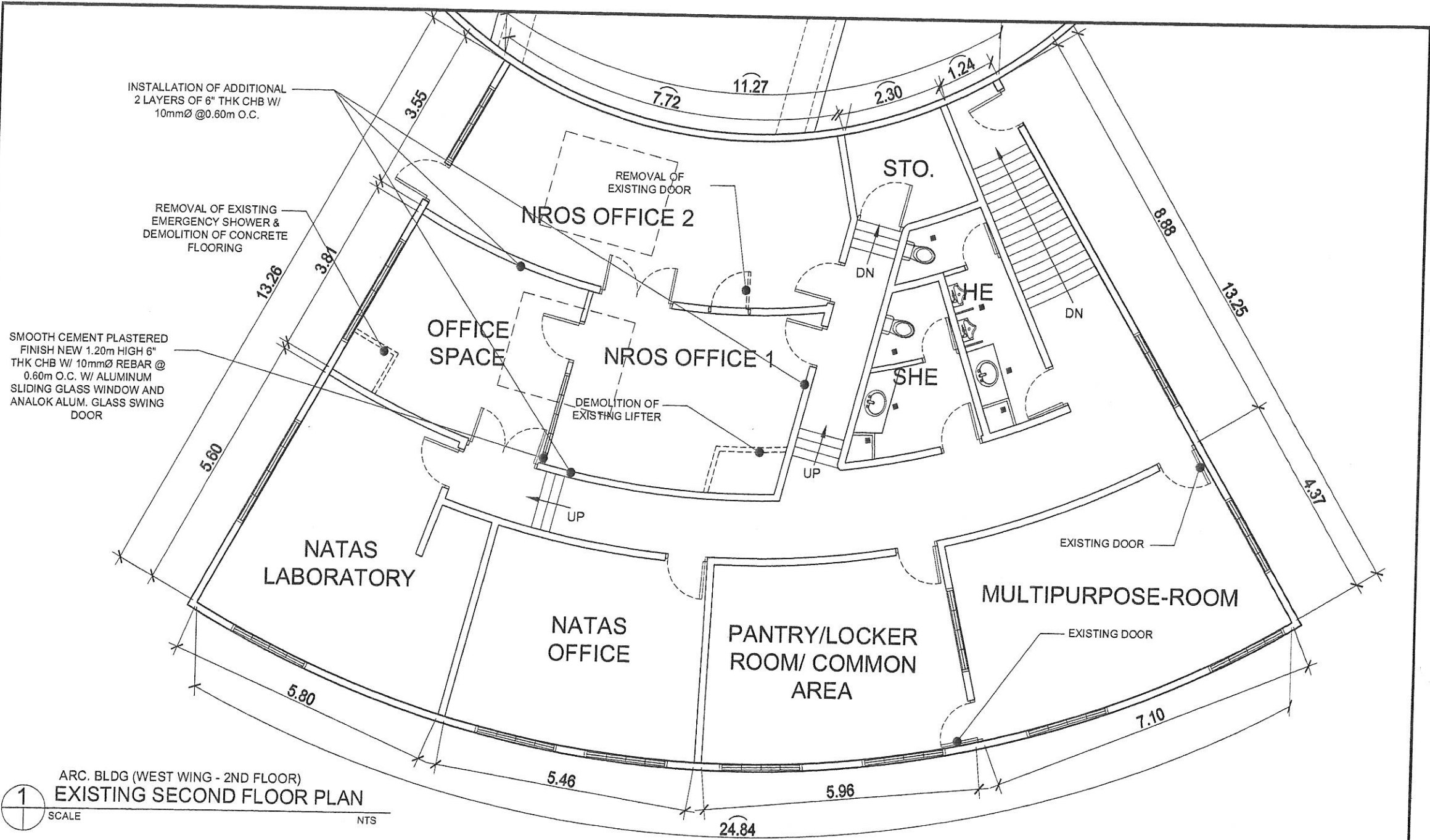
SCALE

NTS



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PHILIPPINES NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

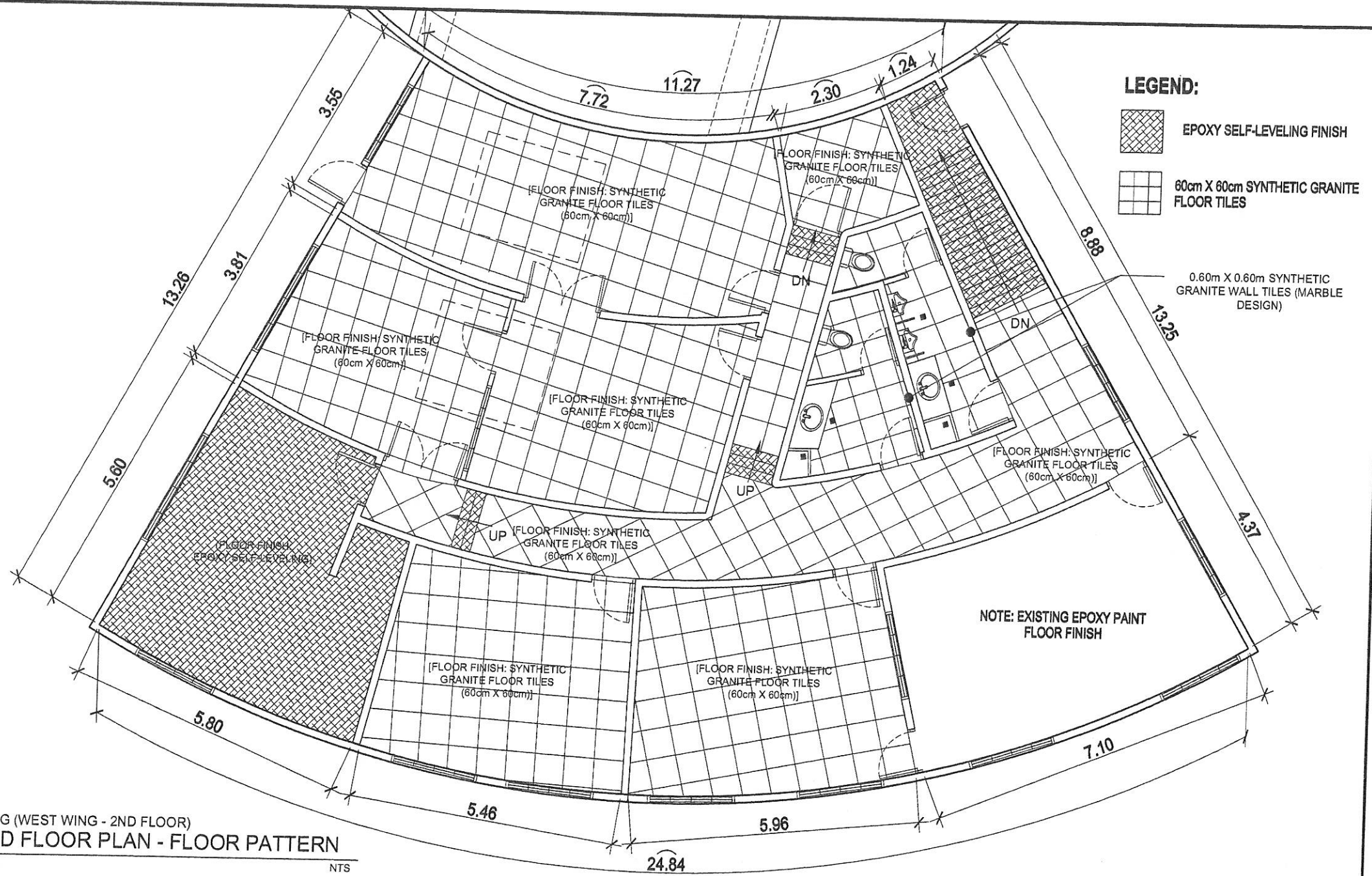
PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT/ITEM NO.:
UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC BLDG. WEST WING SECOND FLOOR	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. 1st ESR	Engr. ARZURO F. SALTA Engr. 1st ESR NEIL RAYMUND D. GUILLERMO Engr. 1st ESR Engr. REMATO T. BANAGA ESR Head	CARLO A. ARCILLA, Jr. D. Director	GENILAZO	C-3
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN. 25, 2021	26/81
						PROJ. NO.:	



1
 SCALE
 NTS

ARC. BLDG (WEST WING - 2ND FLOOR)
 EXISTING SECOND FLOOR PLAN

 Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINES NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	PROJECT: UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	OWNER: PHILIPPINES NUCLEAR RESEARCH INSTITUTE ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	SHEET CONTENT: EXISTING ARC BLDG. WEST WING SECOND FLOOR	PREPARED BY: Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ARTURO F. SAKA Senior Science Research Specialist Engr. ANDREW C. BARRERA Engr. I. ESO	RECOMMENDING APPROVAL: NEIL RAYMUND D. GUILLERMO Engr. I. ESO Engr. RENATO T. BAÑAGA ESS Head	APPROVED BY: CARLO A. ARCILLA, Ph.D. Director	DRAWN BY: GENILAZO CHECKED BY: DATE: JAN 28, 2021 PROJECT ITEM NO.: C-4 PAGE NO.: 27/81
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LEGEND:



EPOXY SELF-LEVELING FINISH



60cm X 60cm SYNTHETIC GRANITE FLOOR TILES

0.60m X 0.60m SYNTHETIC GRANITE WALL TILES (MARBLE DESIGN)

NOTE: EXISTING EPOXY PAINT FLOOR FINISH

1
SCALE
ARC. BLDG (WEST WING - 2ND FLOOR)
SECOND FLOOR PLAN - FLOOR PATTERN
NTS



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DEPARTMENT OF SCIENCE AND TECHNOLOGY
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COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC BLDG. WEST WING SECOND FLOOR - FLOOR PATTERNS	Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer II	Engr. ARTURO R. SALAS Senior Science Research Specialist NEIL RAYMOND D. GUILLERMO ENR-044 POLYGRAPHARD Engr. RENATO T. BANAGA ESS Head	CARLO A. ARCILLA, Ph.D. Director	GENBLAZO	C-5
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
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LEGEND:



ACOUSTIC BOARD
0.60cm X 0.60cm ON
T-RUNNER POWDER COATED
WHITE (1"X1") W/ G.A. 16 G.I.
WIRE
HANGER



LIGHTING FIXTURES

INSTALLATION OF ADDITIONAL 2
LAYERS OF 6" THK CHB W/ 10mmØ
@0.60m O.C. W/ SMOOTH
CEMENT PLASTERED FINISH

EXISTING
CONCRETE CEILING

PROVIDE 12mmØ REBAR
HANGING FRAMES FOR THE
INSTALLATION OF G.A. 16 G.I.
WIRE HANGER

EXISTING
CONCRETE CEILING

ARC. BLDG (WEST WING - 2ND FLOOR)
REFLECTED CEILING PLAN



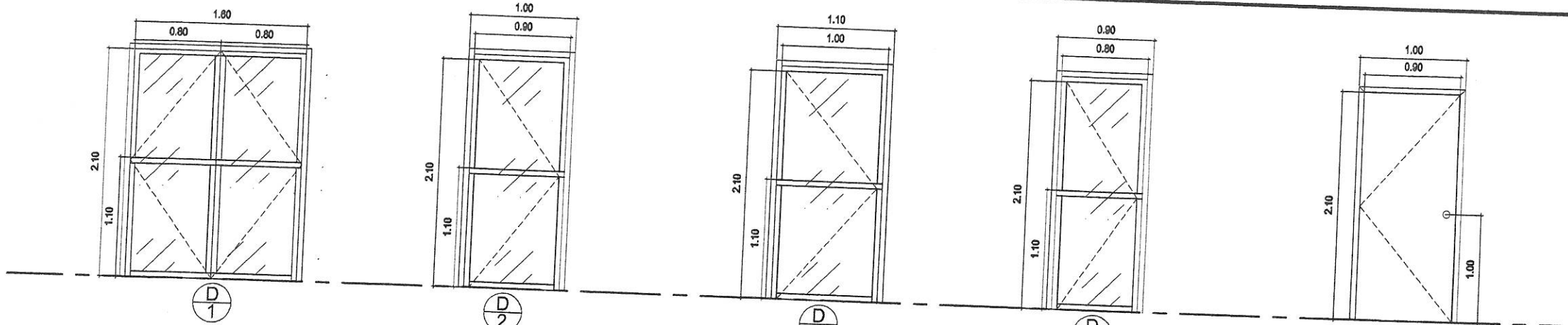
SCALE

NTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINES NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT: UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	OWNER: PHILIPPINES NUCLEAR RESEARCH INSTITUTE	SHEET CONTENT: ARC BLDG. WEST WING SECOND FLOOR - REFLECTED CEILING PLAN	PREPARED BY: Engr. ROSALINO B. REAS Senior Science Research Specialist Engr. ARTURO P. GALAN Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer II ESR	RECOMMENDING APPROVAL: NEIL RAYMUND D. GUILLERMO Senior Science Research Specialist Engr. REMATO T. BAÑAGA ESR III	APPROVED BY: CARLO A. ARCILLA, P.E. D. Director	DRAWN BY: GENBLAZO	PROJECT ITEM NO.: C-6
	ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY					CHECKED BY:	PAGE NO.: 29/81
						DATE: JAN 25, 2021	PROJ. NO.:



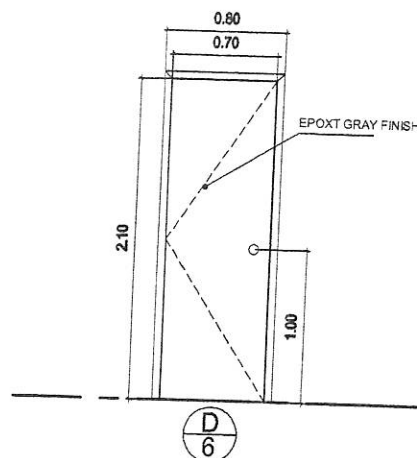
SPECS: ANALOK ALUMINUM GLASS DOUBLE SWING DOOR W/ 1/4" THK BRONZE GLASS COMPLETE W/ HEAVY DUTY DOOR LOCKSET, DOOR CLOSER & ACCESSORIES
LOC. : OFFICE SPACE & NROS OFFICE
QUANTITY: 2 SET(S)

SPECS: ANALOK ALUMINUM GLASS SWING DOOR W/ 1/4" THK BRONZE GLASS COMPLETE W/ HEAVY DUTY DOOR LOCKSET, DOOR CLOSER & ACCESSORIES
LOC. : PANTRY, NATAS OFFICE, NATAS LABORATORY, NROS OFFICE 1, NROS OFFICE 2 & NROS OFFICES 2
QUANTITY: 4 SET(S)

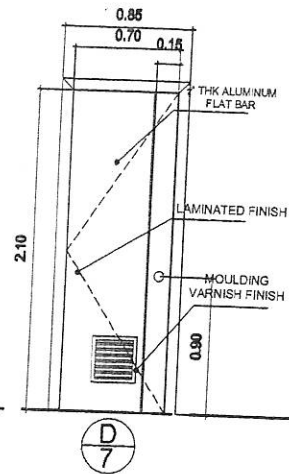
SPECS: ANALOK ALUMINUM GLASS SWING DOOR W/ 3/8" THK BRONZE TEMPERED GLASS COMPLETE W/ HEAVY DUTY DOOR LOCKSET, DOOR CLOSER & ACCESSORIES
LOC. : ENTRANCE
QUANTITY: 1 SET

SPECS: ANALOK ALUMINUM GLASS SWING DOOR W/ 1/4" THK BRONZE GLASS COMPLETE W/ HEAVY DUTY DOOR LOCKSET, DOOR CLOSER & ACCESSORIES
LOC. : HALLWAY
QUANTITY: 2 SET(S)

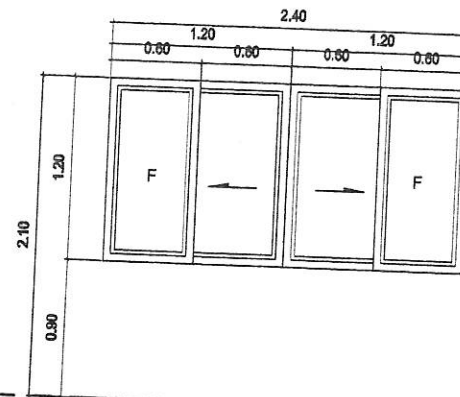
SPECS: FIRE RATED STEEL DOOR, G.A. 16 G.I SHEET W/ 2"x6" G.A. 16 DOOR JAMB W/ 4-3 1/2" X 3 1/2" STAINLESS STEEL HINGES & LOCKSET
LOC. : STORAGE
QUANTITY: 1 SET



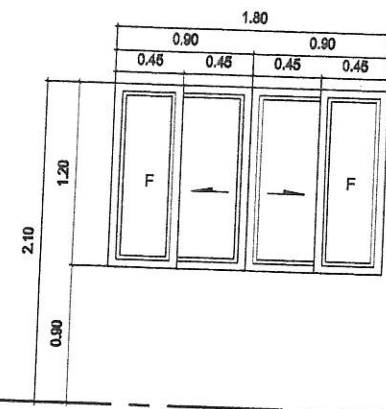
SPECS: FIRE RATED STEEL DOOR, G.A. 16 G.I SHEET W/ 2"x6" G.A. 16 DOOR JAMB W/ PANIC LOCKSET AND 4-3 1/2" X 3 1/2" STAINLESS STEEL HINGES
LOC. : FIRE EXIT
QUANTITY: 1 SET



SPECS: WOODEN FLUSH DOOR, LAMINATED WOOD FINISH W/ ALUMINUM DESIGN, LOUVER, 2"x6" DOOR JAMB W/ WOOD MOULDING DESIGN AND 4-3 1/2" X 3 1/2" STAINLESS STEEL HINGES
LOC. : FEMALE & MALE COMFORT ROOM



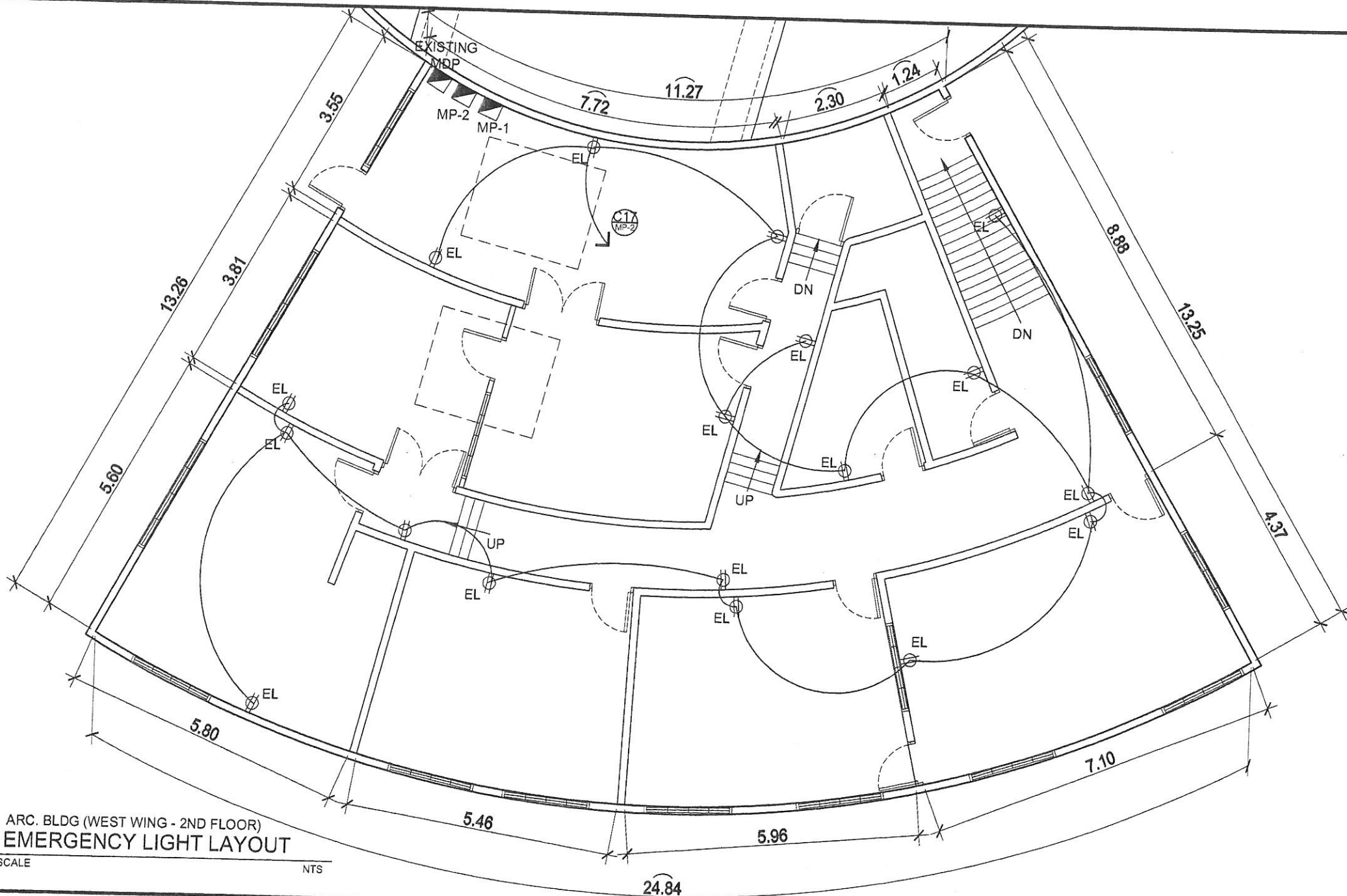
SPECS: SLIDING ANALOK ALUMINUM WINDOW W/ 1/4" THK BRONZE GLASS COMPLETE W/ LOCKSET
LOC. : NATAS LABORATORY & OFFICE SPACE
QUANTITY: 2 SET(S)



SPECS: SLIDING ANALOK ALUMINUM WINDOW W/ 1/4" THK BRONZE GLASS COMPLETE W/ LOCKSET & ACCESSORIES
LOC. : HALLWAY STAIRS, MULTI-PURPOSE ROOM & NROS OFFICE 1
QUANTITY: 3 SET(S)

ARC. BLDG (WEST WING - 2ND FLOOR) 1 SCHEDULE OF DOORS & WINDOWS SCALE NTS

Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINES NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILMAN QUEZON CITY	PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY: GEN/BLAZO	PROJECT ITEM NO.:
	UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC BLDG. WEST WING SECOND FLOOR - SCHEDULE OF DOORS & WINDOWS	Engr. ROSALINDO B. REJAS Senior Science Research Specialist	Engr. ARTURO P. SALAS Senior Science Research Specialist	Engr. RENATO T. BANAGA ESS Head	Engr. CARLO A. ROLLA, P.R.D. Director	C-7
	ADDRESS: COMMONWEALTH AVENUE, DILMAN QUEZON CITY							
							DATE: JAN 28, 2021	PAGE NO.:
							PROJ. NO.:	30/81



ARC. BLDG (WEST WING - 2ND FLOOR)
EMERGENCY LIGHT LAYOUT

1

SCALE

NTS



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DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINES NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

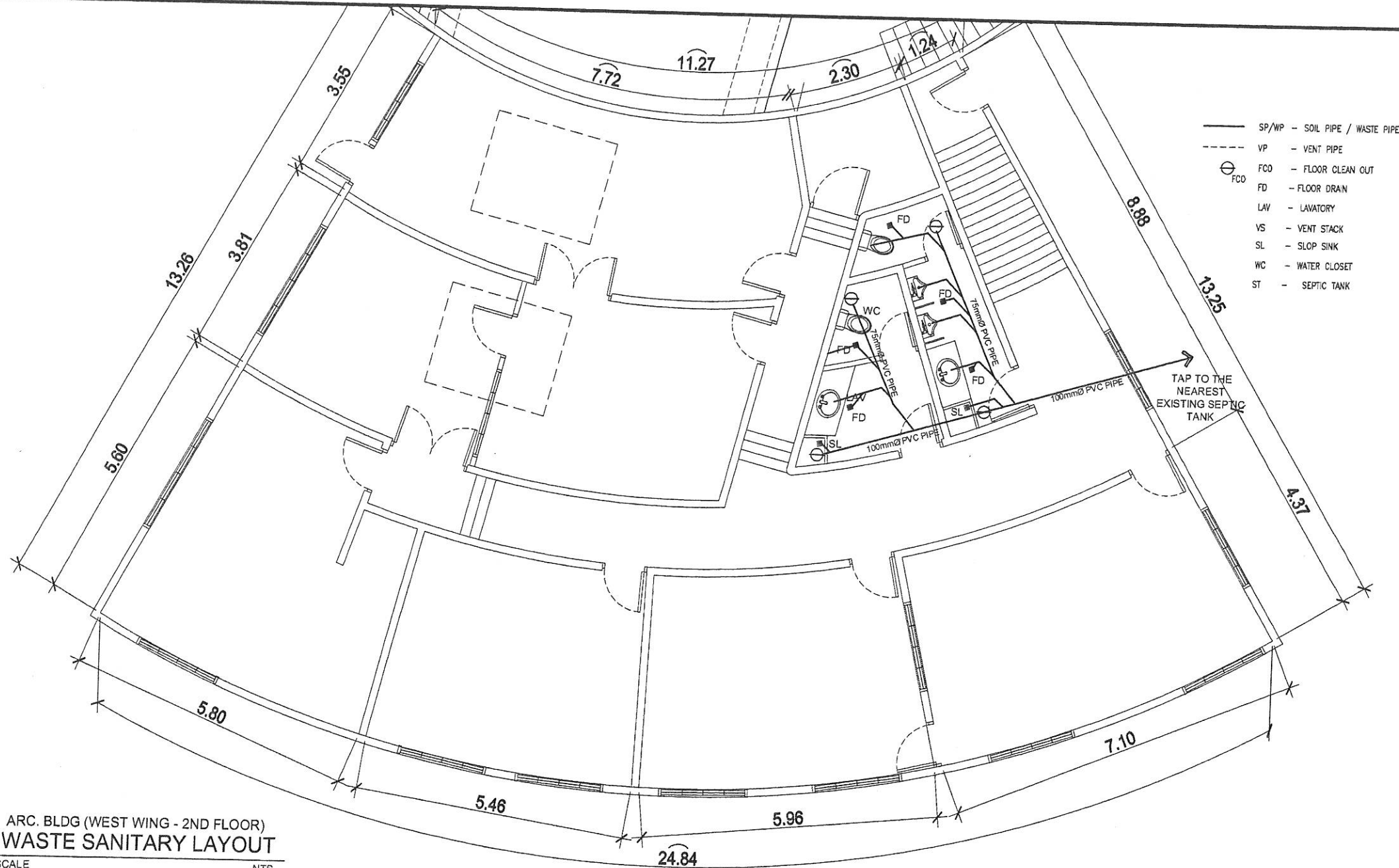
PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	EMERGENCY LIGHT LAYOUT - WEST WING 2ND FLOOR	Engr. ROSALIND B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. ARTURO F. SALTA Senior Science Research Specialist	NEIL RAYMUND D. GUILLERMO Engr. RENATO T. BANAGA ESS Head	CARLO A. ARCILLA, Ph.D. Director	GENSLAZO	C-8
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN 28, 2021	31/81
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- WL - WATER LINE
- CV - CHECK VALVE
- WS - WATER SUPPLY
- GV - GATE VALVE
- HB - HOSE BIBB
- LAV - LAVATORY
- SHO - SHOWER
- WC - WATER CLOSET
- WM - WATER METER
- PPR - POLYPROPELENE

TAP TO THE
NEAREST EXISTING
2"Ø G.I. PIPE WATER SUPPLY

ARC. BLDG (WEST WING - 2ND FLOOR)
WATERLINE SUPPLY LAYOUT
SCALE NTS

 Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINES NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY	PROJECT	OWNER	SHEET CONTENT	PREPARED BY	RECOMMENDING APPROVAL	APPROVED BY	DRAWN BY	PROJECT ITEM NO.
	UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC BLDG. WEST WING SECOND FLOOR - WATERLINE SUPPLY LAYOUT	Engr. ROSALINO B. REAS Senior Science Research Specialist Engr. ARTURO F. BALDI Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. in ESS	NEIL RAYMUND D. GUILLERMO Engr. in ESS Engr. RENATO T. BANAGA ESS Head	CARLO A. ARCILLA, Ph.D. Director	GENSILASO DATE: JAN 25, 2021 PROJ. NO.:	C-10 PAGE NO.: 33/81
	ADDRESS: COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY							



ARC. BLDG (WEST WING - 2ND FLOOR)
WASTE SANITARY LAYOUT

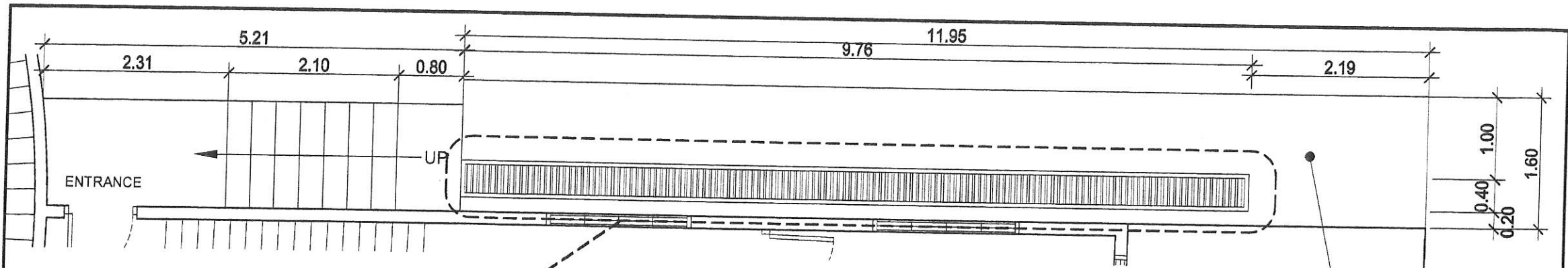


SCALE NTS



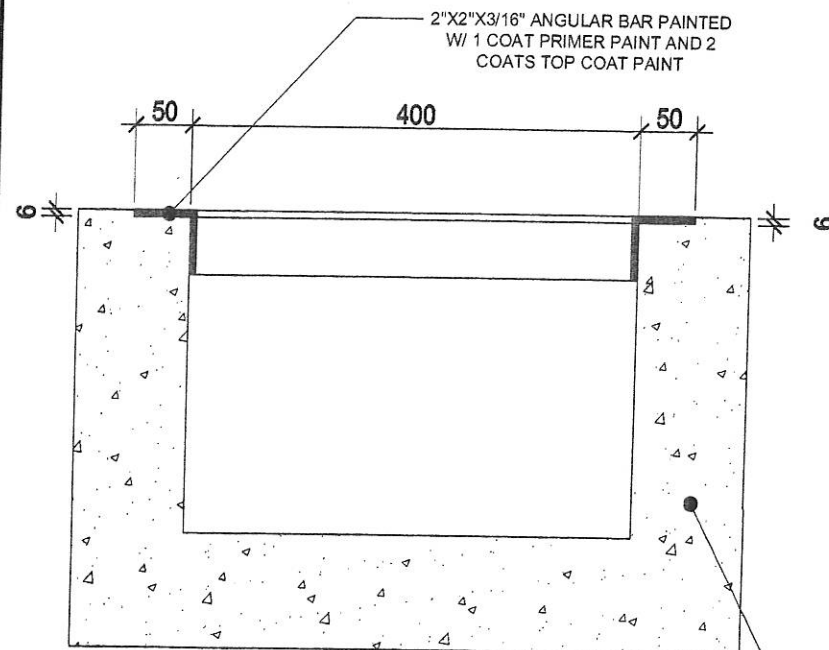
Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
 PHILIPPINES NUCLEAR RESEARCH INSTITUTE
 COMMONWEALTH AVENUE, OILMAN, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC BLDG. WEST WING SECOND FLOOR - WATERLINE SUPPLY LAYOUT	Engr. ROSALVO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer II, ESS	Engr. ARTURO F. SALIN Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engr. - User/Client Engr. RENATO T. BANAGA ESS Head	CARLO A. ARCILLA, Ph. D. Director	GEBLUAZO	C-11
ADDRESS: COMMONWEALTH AVENUE, OILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN. 25, 2021	34/81
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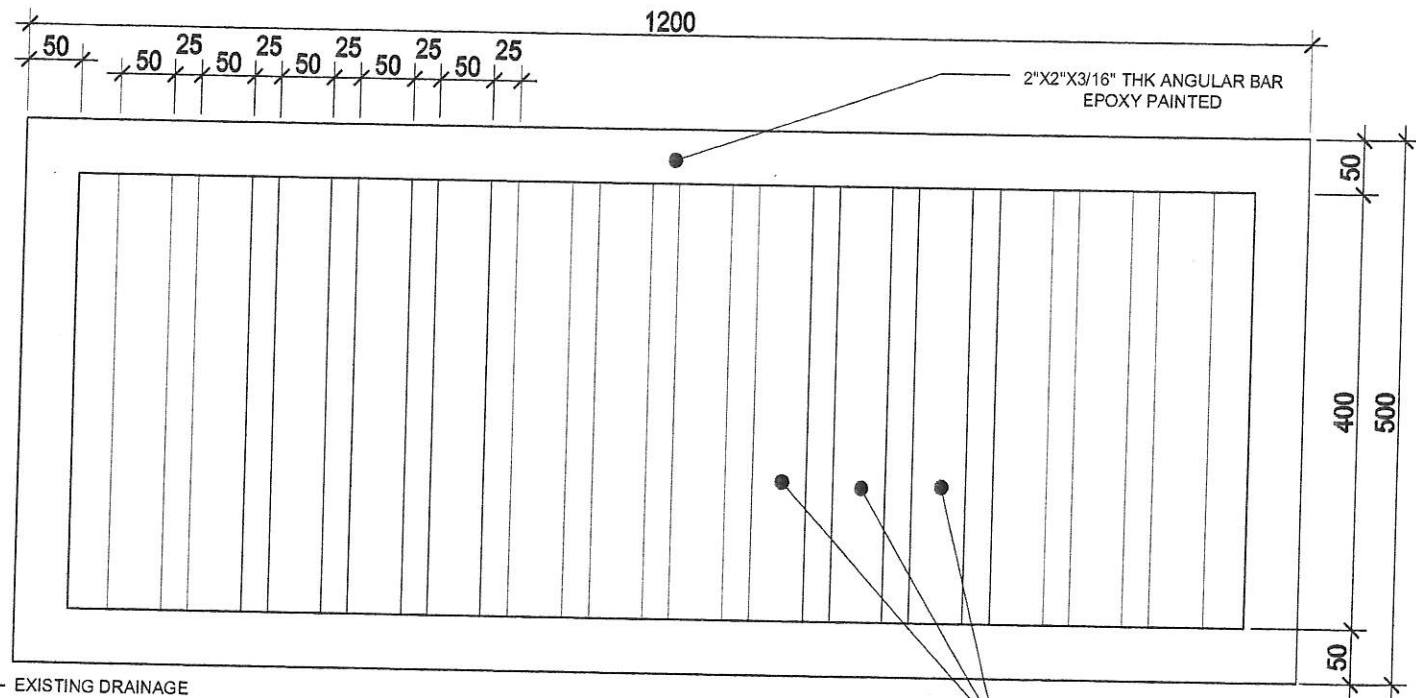


SEE DETAILS OF STORM DRAINAGE GRATING

1
ARC. BLDG (WEST WING - 2ND FLOOR)
ENTRANCE PATHWAY FLOOR LAYOUT
SCALE NTS



2
ARC. BLDG (WEST WING - 2ND FLOOR)
SECTION DETAILS OF STORM DRAINAGE
SCALE NTS



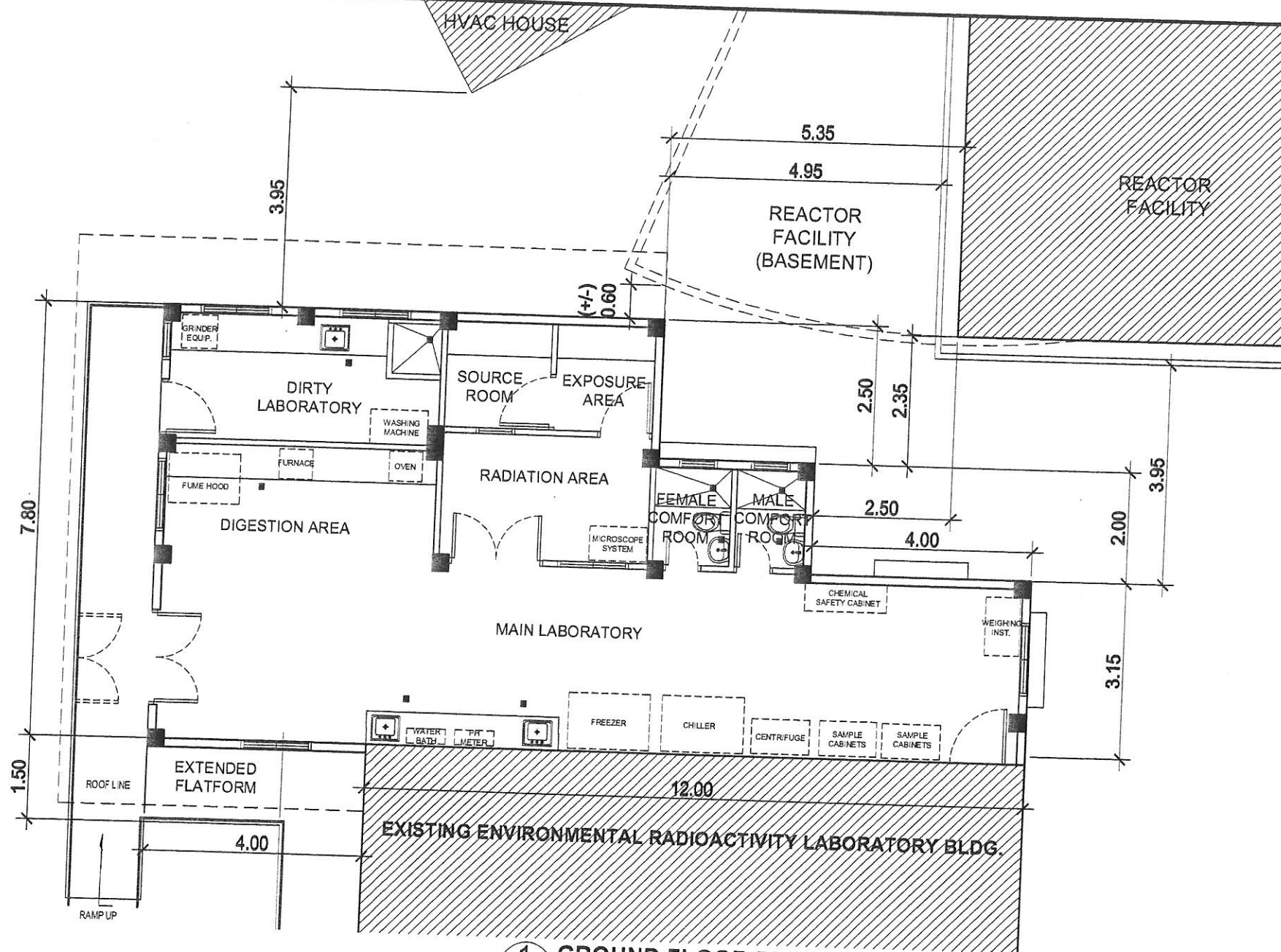
3
ARC. BLDG (WEST WING - 2ND FLOOR)
SECTION DETAILS OF STORM DRAINAGE GRATING
SCALE NTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINES NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT: UPGRADING OF A.R.C. BLDG. (C.Y. 2021)	OWNER: PHILIPPINES NUCLEAR RESEARCH INSTITUTE	SHEET CONTENT: ARC BLDG. WEST WING SECOND FLOOR - ENTRANCE PATHWALK	PREPARED BY: Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. N. ESS	RECOMMENDING APPROVAL: Engr. ARTURO F. SALIH Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engr. RENATO T. BAÑAGA ESS Head	APPROVED BY: CARLO A. ARCILLA, Ph. D. Director	DRAWN BY: GENBLAZO CHECKED BY: DATE: JAN 25, 2021 PROJECT NO.: 35/81	PROJECT ITEM NO.: C-12 PAGE NO.: 35/81
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**UPGRADING OF
ENVIRONMENTAL
RADIOACTIVITY LAB. BLDG.**

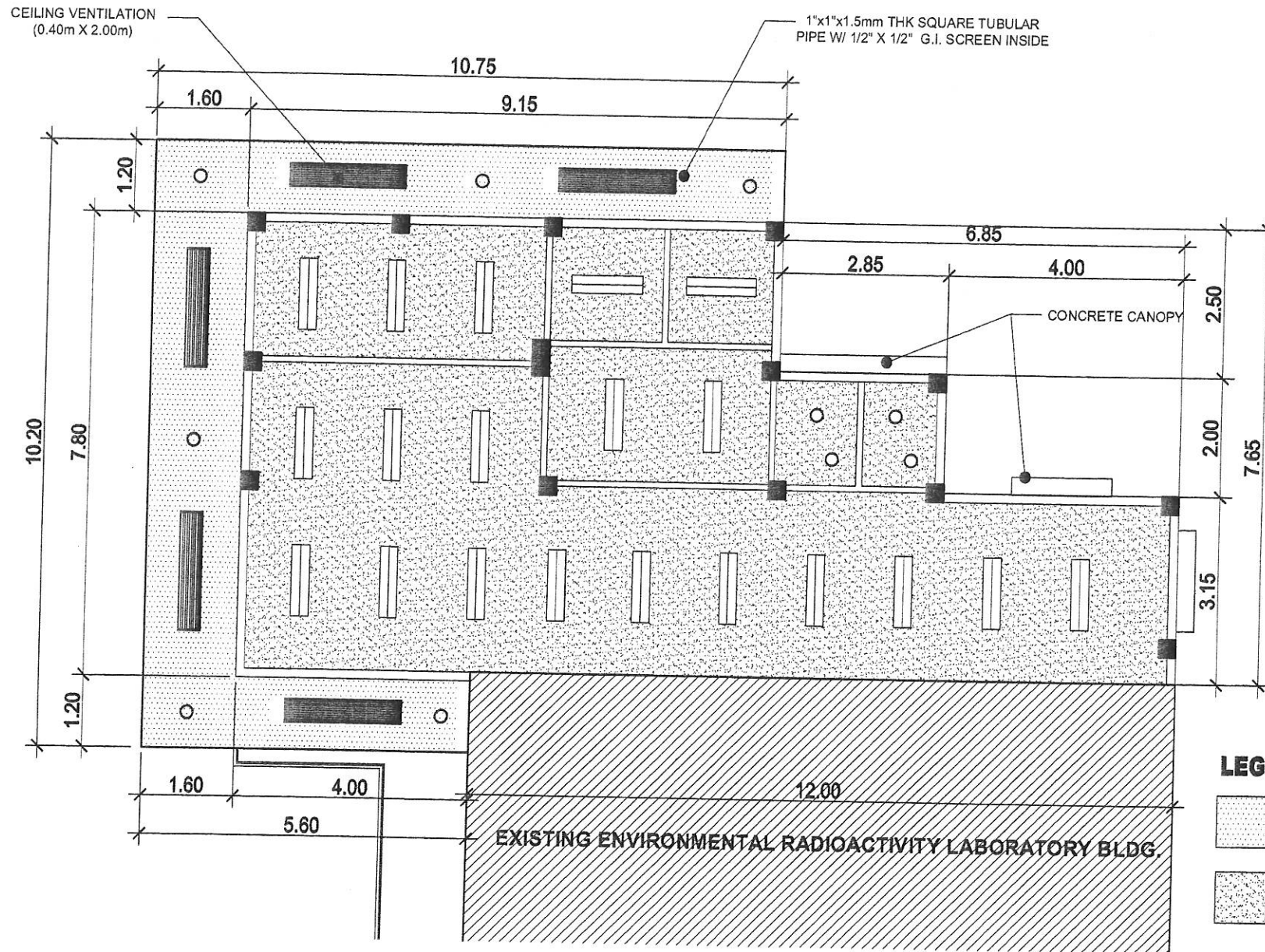


1 GROUND FLOOR PLAN
SCALE 1:100 MTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT: UPGRADING OF ARC BLDG. (C.Y. 2021)	OWNER: PHILIPPINE NUCLEAR RESEARCH INSTITUTE	SHEET CONTENT: UPGRADING OF ARC ENVILAB - FLOOR PLAN LAYOUT	PREPARED BY: Engr. ROSAVINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. Head	RECOMMENDING APPROVAL: NEIL RAYMUND D. GUILLERMO Engr. Head Engr. RENATO T. BAÑAGA Engr. Head	APPROVED BY: CARLOS A. ARRIOLA, Ph.D. Director	DRAWN BY: GENBUAZO	PROJECT ITEM NO.: D-2
	ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY					CHECKED BY:	PAGE NO.:
						DATE: JAN. 26, 2021	37/81
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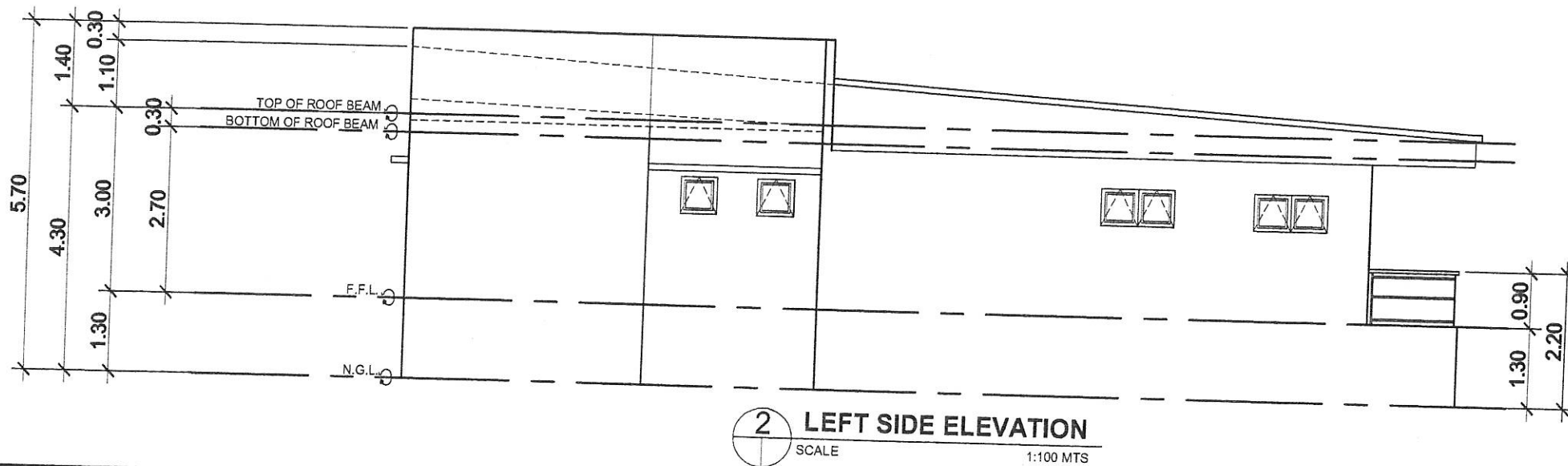


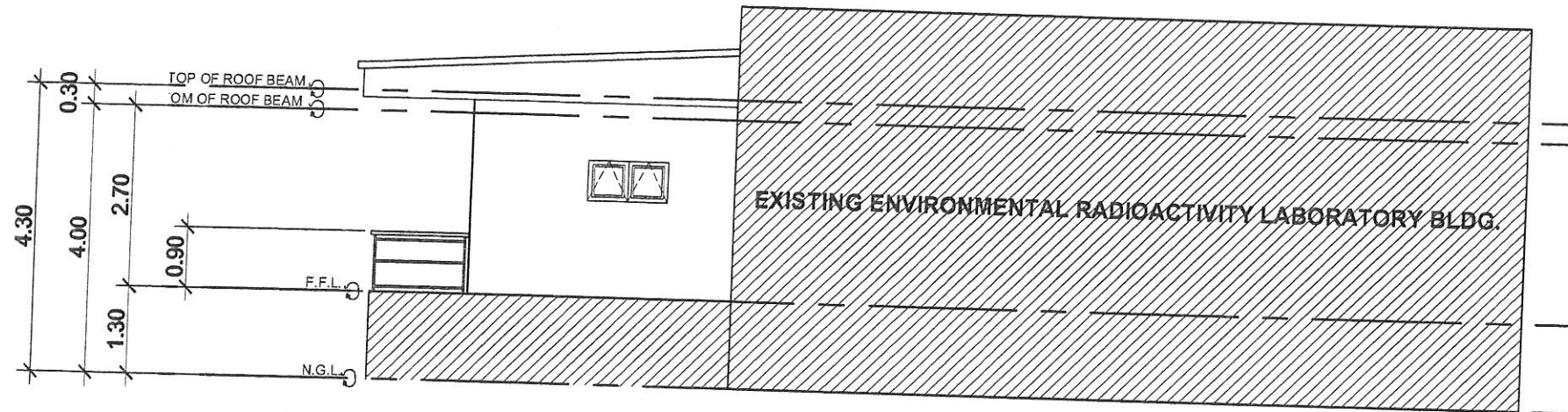
LEGEND:

- 5.5mm THK. FIBER CEMENT BOARD
CEILING ON 1"X2" METAL FURRING
FRAME @0.30m O.C. w/ STEEL
HANGER
- 10mm THK. GYPSUM BOARD
CEILING ON 1"X2" METAL FURRING
FRAME @0.30m O.C. w/ STEEL
HANGER

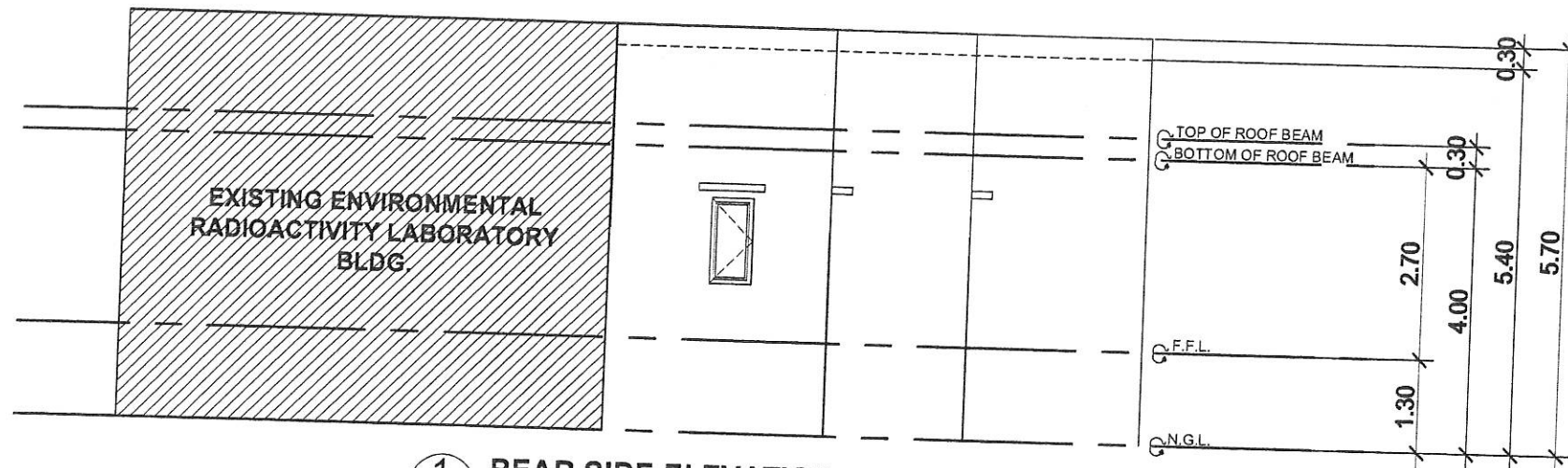
1 REFLECTED CEILING PLAN
SCALE 1:100 MTS

Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY: GENIBLAZO	PROJECT ITEM NO.:
	UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	UPGRADING OF ARC ENVILAB - REFLECTED CEILING PLAN	Engr. ROSAL NO B REJAS Senior Science Research Specialist	Engr. ARTURO F. SALIN Senior Science Research Specialist	NEIL RAYMUND D. GUILLERMO Engr. Head	CARLO A. ARCILLA, P.E. Director	D-5
	ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY			Engr. ANDREW C. BARRIDA Engr. Head	Engr. REMATO T. BANAGA ESS Head			DATE: JAN. 26, 2021
								PAGE NO.: 40/81





1 RIGHT SIDE ELEVATION
SCALE 1:100 MTS

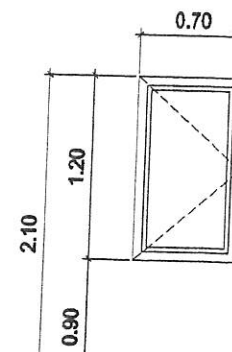


1 REAR SIDE ELEVATION
SCALE 1:100 MTS

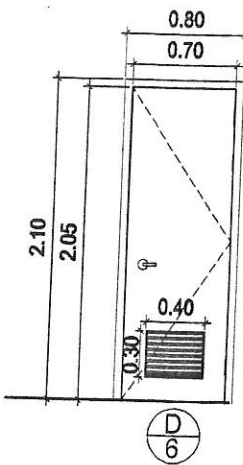


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DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	UPGRADING OF ARC ENVILAB - ELEVATIONS	Engr. ROSALINO B. REBAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. 1st Class	Engr. ARTURO F. SALIN Senior Science Research Specialist NEI RAYMUND D. GUILLERMO Engr. 1st Class Engr. RENATO T. BANAGA Engr. 1st Class	CAREO A. ARCILLA, Ph.D. Director	GENBLAZD	D-7
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	DATE: JAN. 28, 2021
						PROJ. NO.:	PAGE NO.:
							42/81

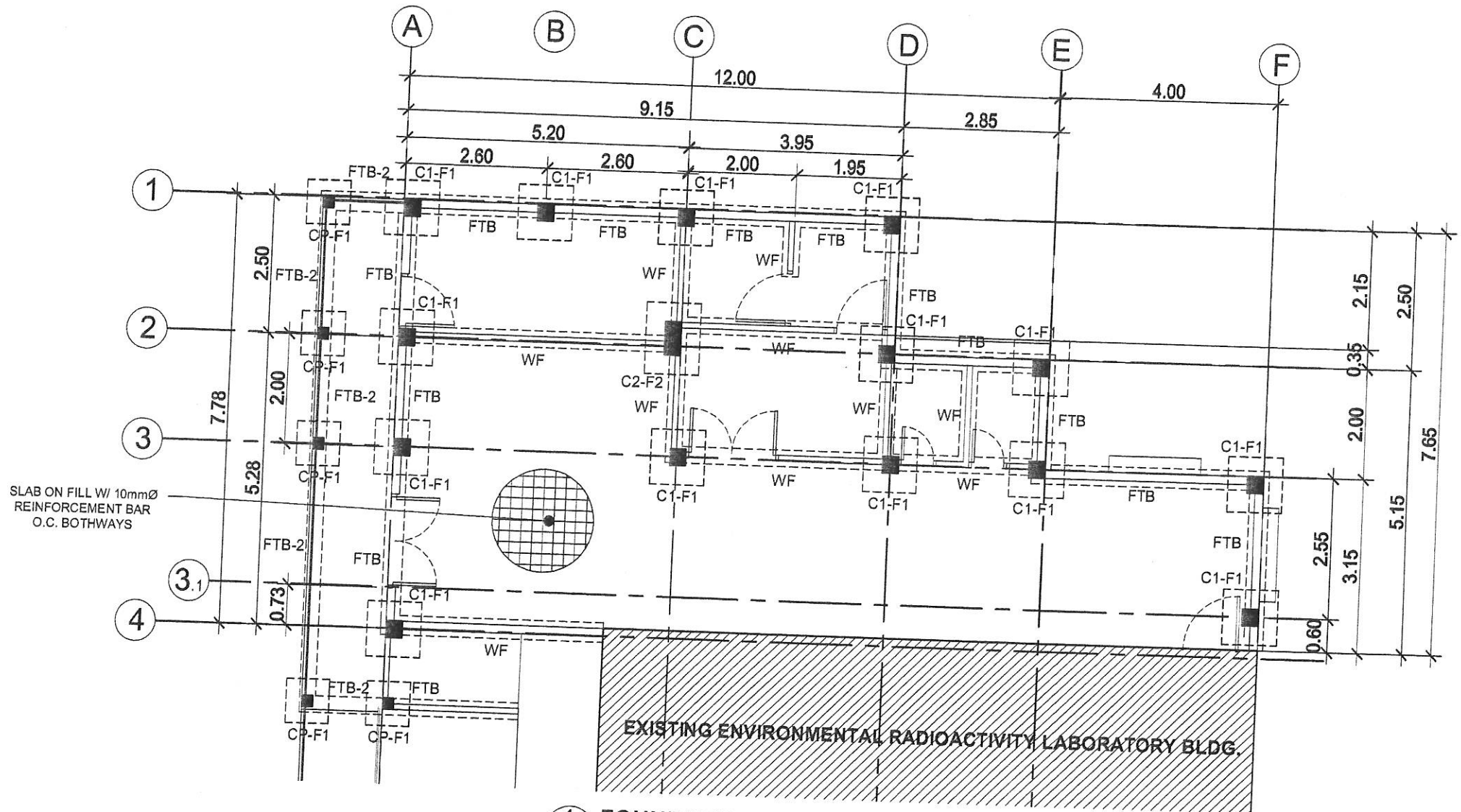



 SPECS: CASEMENT WINDOW
 ANALOK ALUMINUM W/
 6mm THK BRONZE GLASS
 LOC. : MAIN LABORATORY
 QUANTITY: 1 SET



SPECS: PVC DOOR W/ LOUVER
W/ DOOR KNOB SET
HINGES: 3 SET(S) STAINLESS
STEEL HINGES HEAVY DUTY
LOC. : COMFORT ROOM
QUANTITY: 2 SET(S)

NTS

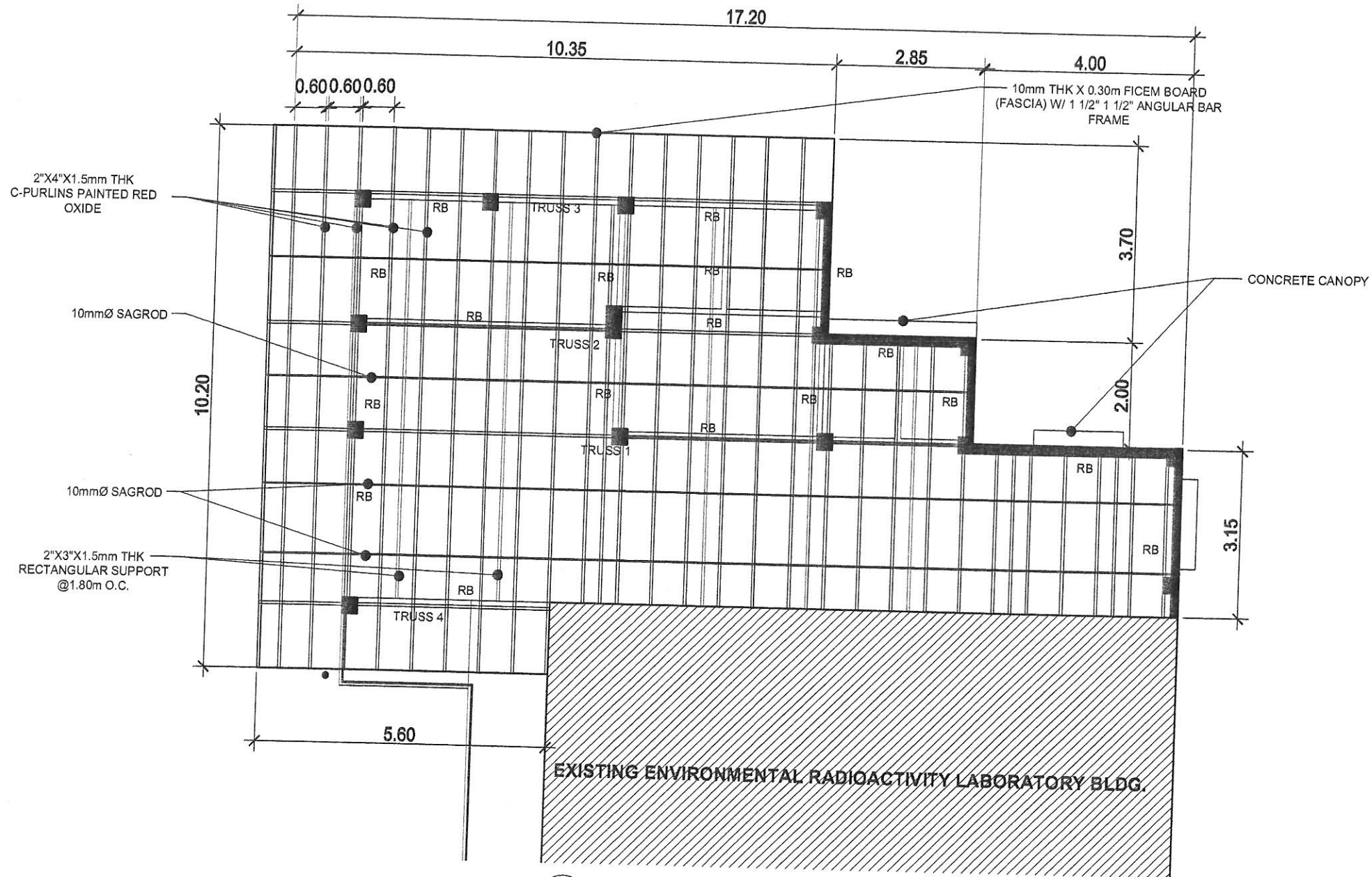


1 FOUNDATION PLAN
SCALE 1:100 MTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY

PROJECT: UPGRADING OF ARC BLDG. (C.Y. 2021)	OWNER: PHILIPPINE NUCLEAR RESEARCH INSTITUTE ADDRESS: COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY	SHEET CONTENT: UPGRADING OF ARC ENVILAB - FOUNDATION PLAN	PREPARED BY: Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer I	RECOMMENDING APPROVAL: Engr. ARTHUR F. SALIN Senior Science Research Specialist Engr. RENATO T. BANAGA ESS Head	APPROVED BY: CARLO A. ARCILLA, Ph.D. Director	DRAWN BY: GENBLAZO CHECKED BY: DATE: JAN. 28, 2021 PROJ. NO.:	PROJECT ITEM NO.: D-9 PAGE NO.: 44/81
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1 DETAILS OF ROOF PLAN
SCALE 1:100 MTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:
UPGRADING OF
ARC BLDG.
(C.Y. 2021)

OWNER:
PHILIPPINE NUCLEAR
RESEARCH INSTITUTE

ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

SHEET CONTENT:
UPGRADING OF ARC
ENVILAB - REFLECTED
CEILING PLAN

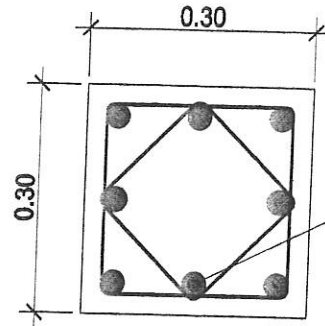
PREPARED BY:
Engr. ROSALINO B. REJAS
Senior Science Research Specialist
Engr. ARTURO F. SANTI
Senior Science Research Specialist
Engr. ANDREW C. BARRIDA
Engr. Head

RECOMMENDING APPROVAL:
NEIL RAYMUND D. GUILLERMO
Engr. Head
Engr. RENATO T. SANAGA
ESS Head

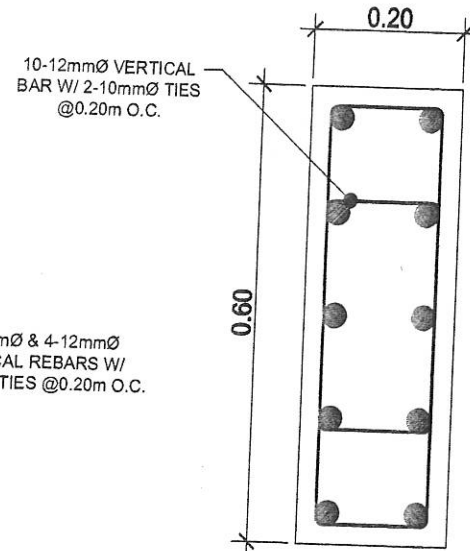
APPROVED BY:
CARLO A. ARCILLA, Ph.D.
Director

DRAWN BY: GENBLAZO
CHECKED BY:
DATE: JAN. 28, 2021
PROJ. NO.:

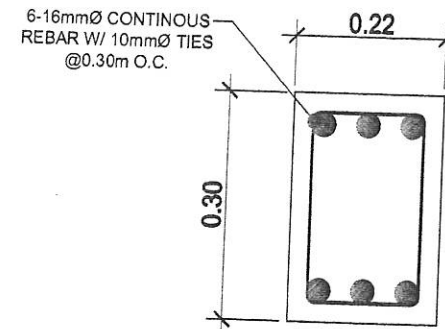
PROJECT/ITEM NO.:
D-10
PAGE NO.:
45/81



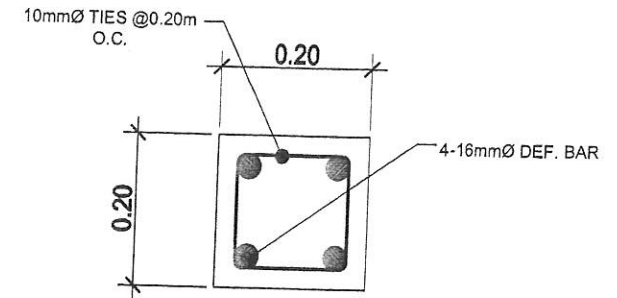
COLUMN 1 (C1)



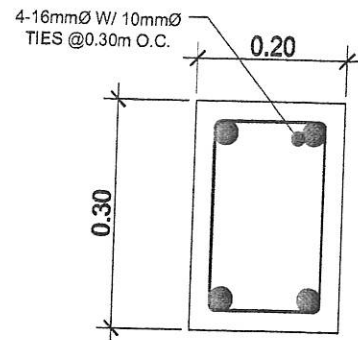
COLUMN 2 (C2)



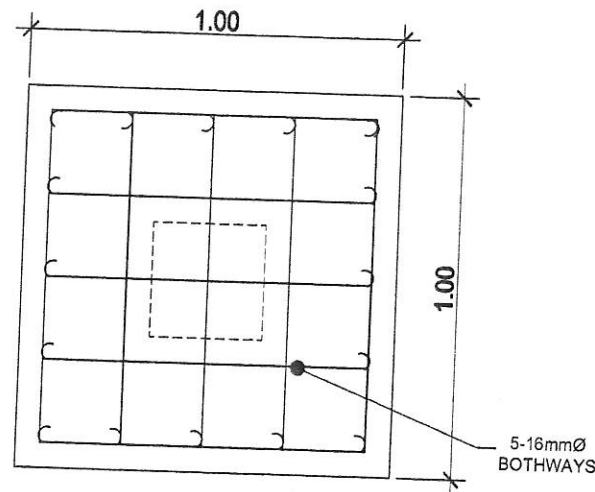
DETAIL OF
FOOTING TIE BEAM (FTB)
& ROOF BEAM (RB)



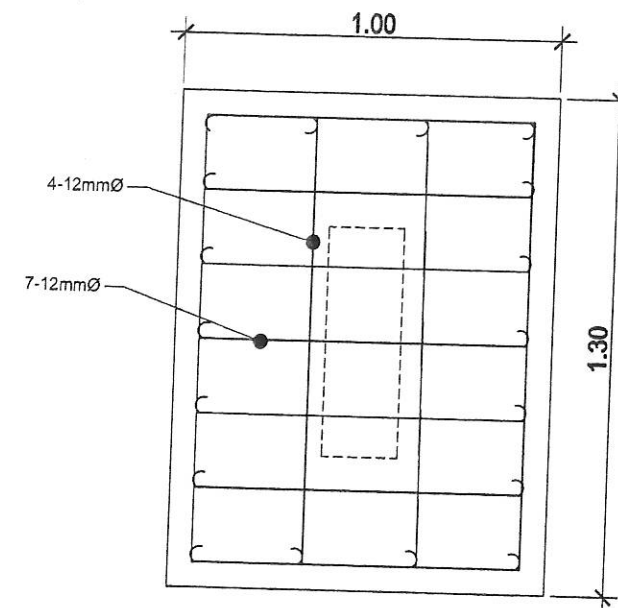
DETAILS OF COLUMN
PEDESTAL (CP)



DETAIL OF
FOOTING TIE BEAM 2 (FTB-2)



FOOTING 1 (F1)

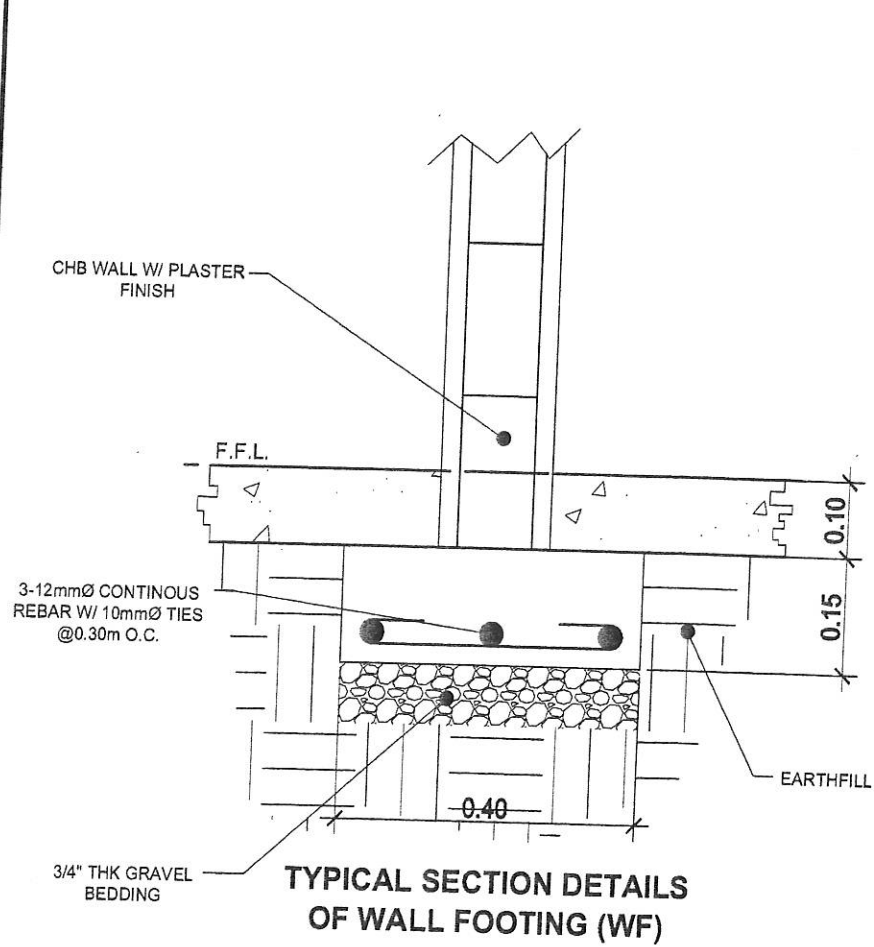


FOOTING 2 (F2)

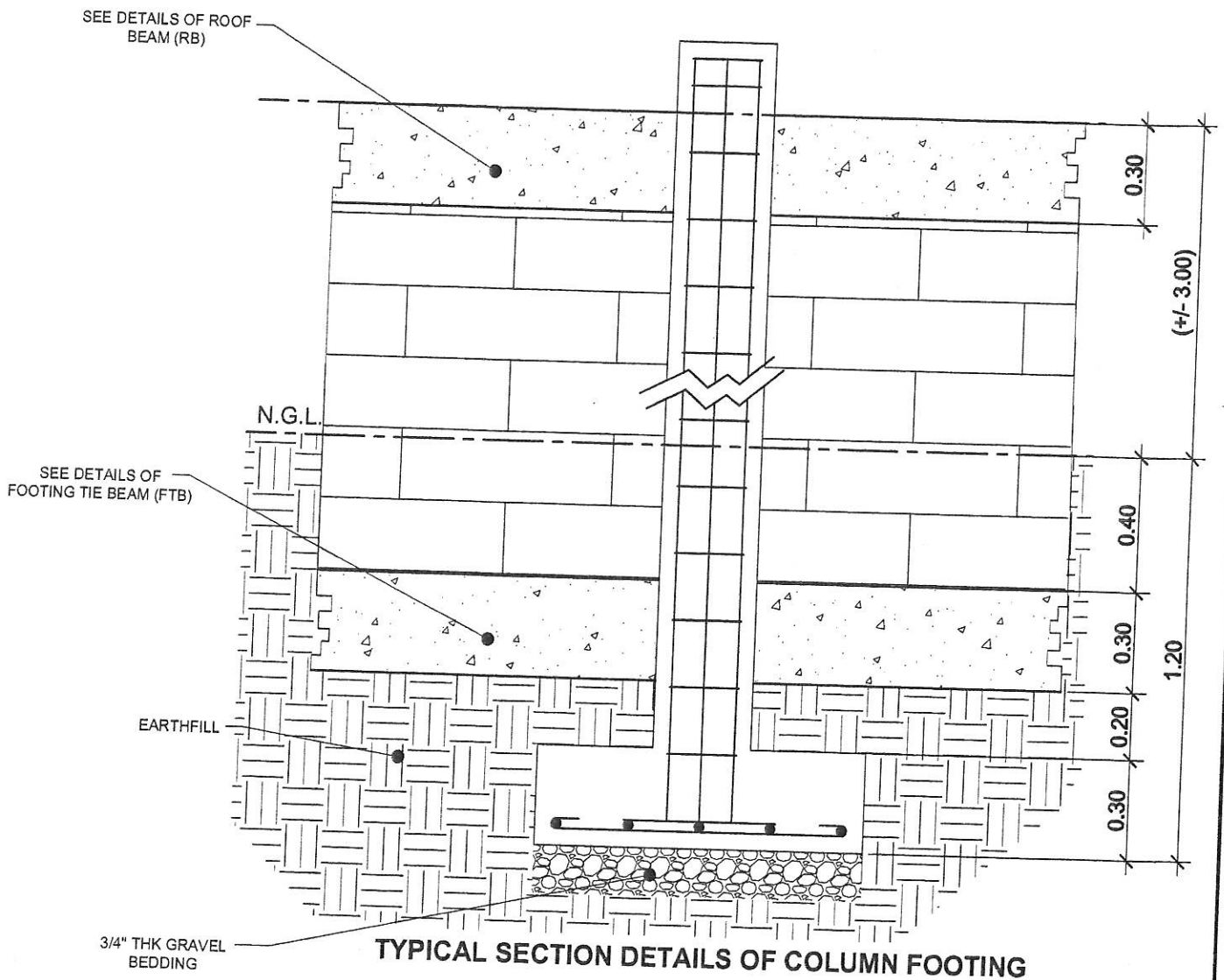


Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY: GENBLAZO	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	UPGRADING OF ARC ENVILAB - STRUCTURAL DETAILS	Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. 1 E33	Engr. ARDORO F. SALT Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engr. 1 E33 Engr. RENATO T. BAÑAGA ES3 Head	CARLO A. ARCILLA, Ph.D. Director	CHECKED BY: DATE: JAN. 28, 2021 PROJ. NO.:	D-11 PAGE NO.: 46/81

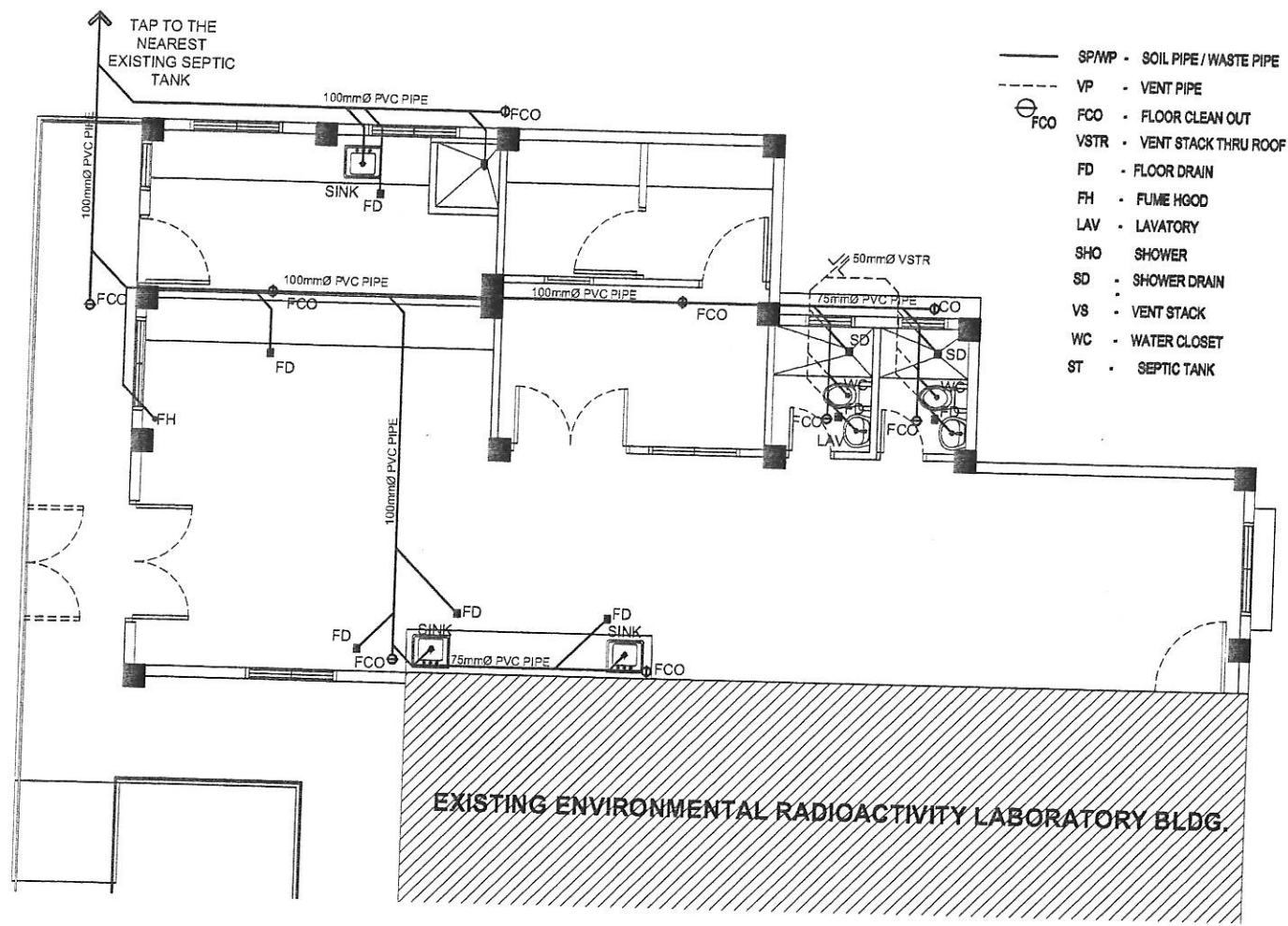


TYPICAL SECTION DETAILS OF WALL FOOTING (WF)



TYPICAL SECTION DETAILS OF COLUMN FOOTING

Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY: GENILAZO	PROJECT/ITEM NO:
	UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	UPGRADING OF ARC ENVILAB - STRUCTURAL SECTION DETAILS	Engr. ROSALINO B. REJAS <i>(Signature)</i> Engr. ANDREW C. BARRIDA <i>(Signature)</i>	Engr. ARPURO F. SALLA <i>(Signature)</i> Engr. RENATO T. BANAGA <i>(Signature)</i>	NEIL RAYMUND D. GUILLERMO <i>(Signature)</i> Engr. CARLO A. ARCILLA, Ph.D. <i>(Signature)</i>	CHECKED BY:	D-13
	ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						DATE: JAN. 28, 2021	PAGE NO.:
							PROJ. NO.:	48/81



1 SANITARY LAYOUT
SCALE 1:100 MTS

Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY: GENBLAZO	PROJECT/ITEM NO.:
	UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	UPGRADING OF ARC ENVLAB - SANITARY LAYOUT	Engr. ROSALINO B. REJAS Senior Science Research Specialist	Engr. ARTURO F. SALIH Senior Science Research Specialist	Engr. RAYMUND D. GUILLERMO Engr. RAYMUND D. GUILLERMO	Engr. CARLO A. ARCILLANO Engr. CARLO A. ARCILLANO	D-15
	ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY			Engr. ANDREW C. BARRIDA Engr. ANDREW C. BARRIDA	Engr. RENATO T. BANAGA Engr. RENATO T. BANAGA	Engr. CARLO A. ARCILLANO Engr. CARLO A. ARCILLANO	Engr. CARLO A. ARCILLANO Engr. CARLO A. ARCILLANO	
								PAGE NO.: 50/81

LOAD SCHEDULE

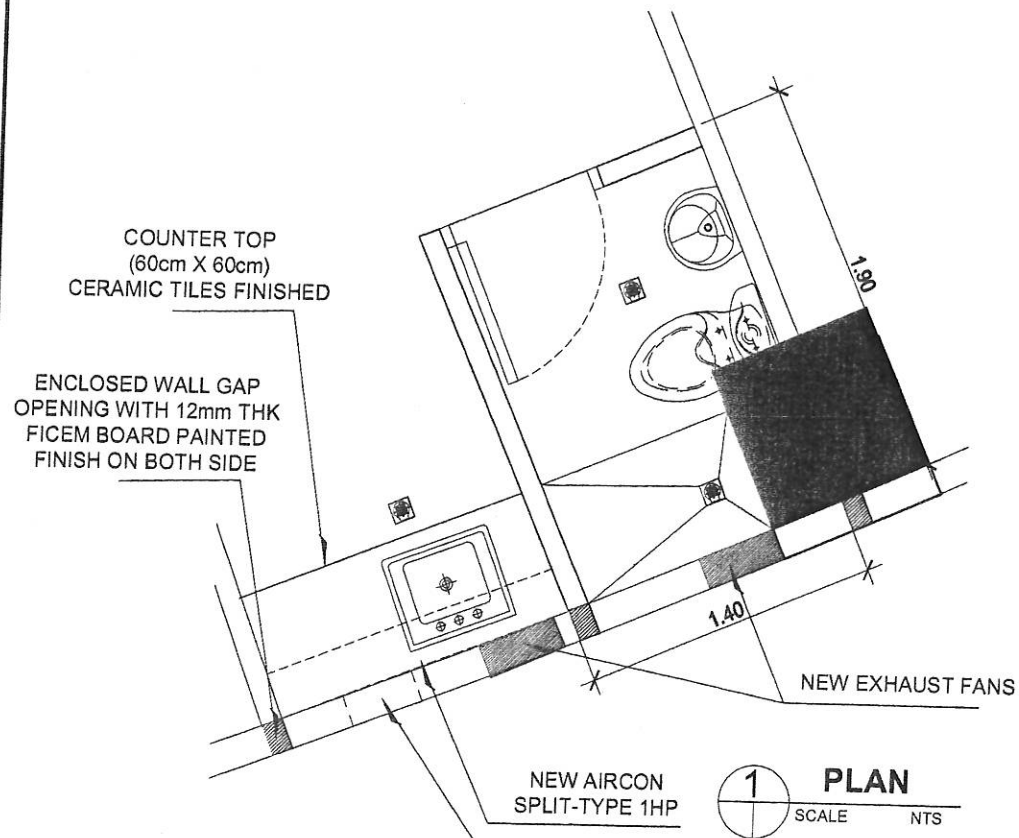
PANELBOARD, Upgrading of ENVILAB										
CIRCUIT NUMBER	VOLTS	LOAD DESCRIPTION	Watts/VA	PHASE LOADING			CIRCUIT BREAKER			HOMERUN WIRE SIZE
				ØAB	ØBC	ØCA	POLE	KAIC	TRIP	
1	230	13-18W Single Fluorescent T8, LED	234	1.02			2	10	15	2-3.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
2	230	4-Duplex Convenience outlets	1,440		8.28		2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
3	230	7-10W Single FL, T8, LED, 2-15W LED, 2-12 inch Ø Wall type Exhaust Fan	185			0.81	2	10	15	2-3.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
4	230	Centrifuge Machine	1,500	6.52			2	10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
5	230	6-Pinlights 15WLED	90		0.39		2	10	15	2-3.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
6	230	2.5 Hp Split type Aircon	2,400			10.43	2	10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
7	230	Fumehood and Hot Plate	1,500				2	10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
8	230	4-Duplex Convenience outlets, 1 Single Convenience Outlet	1,500		6.52		2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
9	230	4-Duplex Convenience outlets	1,440			8.28		10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
10	230	Furnace	2,500	10.87				10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
11	230	Oven	2,300		10.00			10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
12	230	1.0 Hp Split type Aircon	1,000			4.35		10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 15mmØ RSC Pipe
13	230	2.5 Hp Split type Aircon	2,400	10.43				10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
14	230	4-Duplex Convenience outlets, 2 Single CO	1,540		6.70		2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
15	230	4-Duplex Convenience outlets, 2 Single Cos	1,840			7.13	2	10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
16	230	Microscope with PC & UPS System	1,000	4.35				10	20	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
17	230	Washing Machine	2,100		9.13			10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
18	230	Water bath	1,500			6.52		10	30	2-5.5 mm ² , 1-2.0 mm ² THHN wire in 20mmØ RSC Pipe
19	230	Spare	2,500	10.87				10	20	20mmØ RSC Pipe
20	230	Spare	2,500		10.87			10	20	20mmØ RSC Pipe
21	230	Spare	2,500			10.87		10	20	20mmØ RSC Pipe
22	230	Chemical Storage Building	8,163	15.47	15.47	15.47	3	22	60 (Industrial Type CB)	3-14mm ² , 1-5.5 mm ² THHN wire in 25mmØ RSC Pipe
COMPUTATION:				59.53	65.34	61.84				
I = [(0.05)(1.732) + 25% (10.43)] x 80% D.F. = 117.00 x 0.8				MAIN FEEDER USE:			PROTECTION USE:			
IL = 93.61 amperes				3-38 mm ² , 1-22mm ² THHN CABLE on 50 mm. Diameter RSC Pipe			125AT, 200AF, 3P, 230V, 22 KAIC Industrial Type Circuit Breaker			



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, OLMAK, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	UPGRADING OF ARC ENVILAB - ELECTRICAL SCHEDULE OF LOADS	Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. 1 ESS	Engr. ARTURO CASACH Senior Science Research Specialist	NEIL RAYMUND D. GUILLERMO Engr. 1 ESS Engr. RENATO T. BARRAGA Engr. 1 ESS	CARLO A. AROMA, Ph.D. Director	D-19
	ADDRESS: COMMONWEALTH AVENUE, OLMAK, QUEZON CITY					CHECKED BY:	PAGE NO.:
						DATE: JAN. 26, 2021	54/81
						PROJ. NO.:	

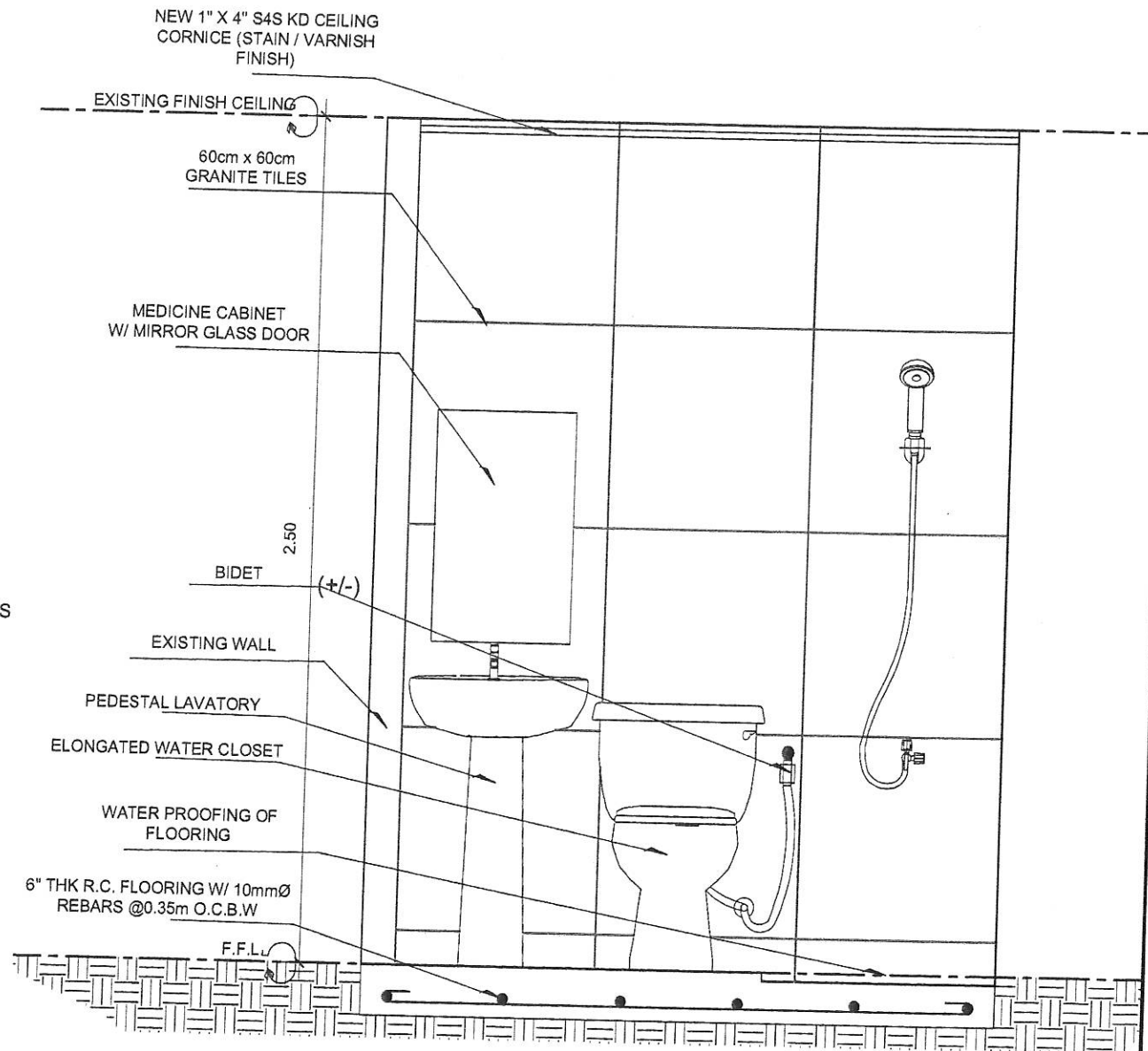
**PROVISION OF COMFORT ROOM,
PANTRY AND NEW SEPTIC TANK AT
HPRS HEAD OFFICE**



SCOPE OF WORKS:

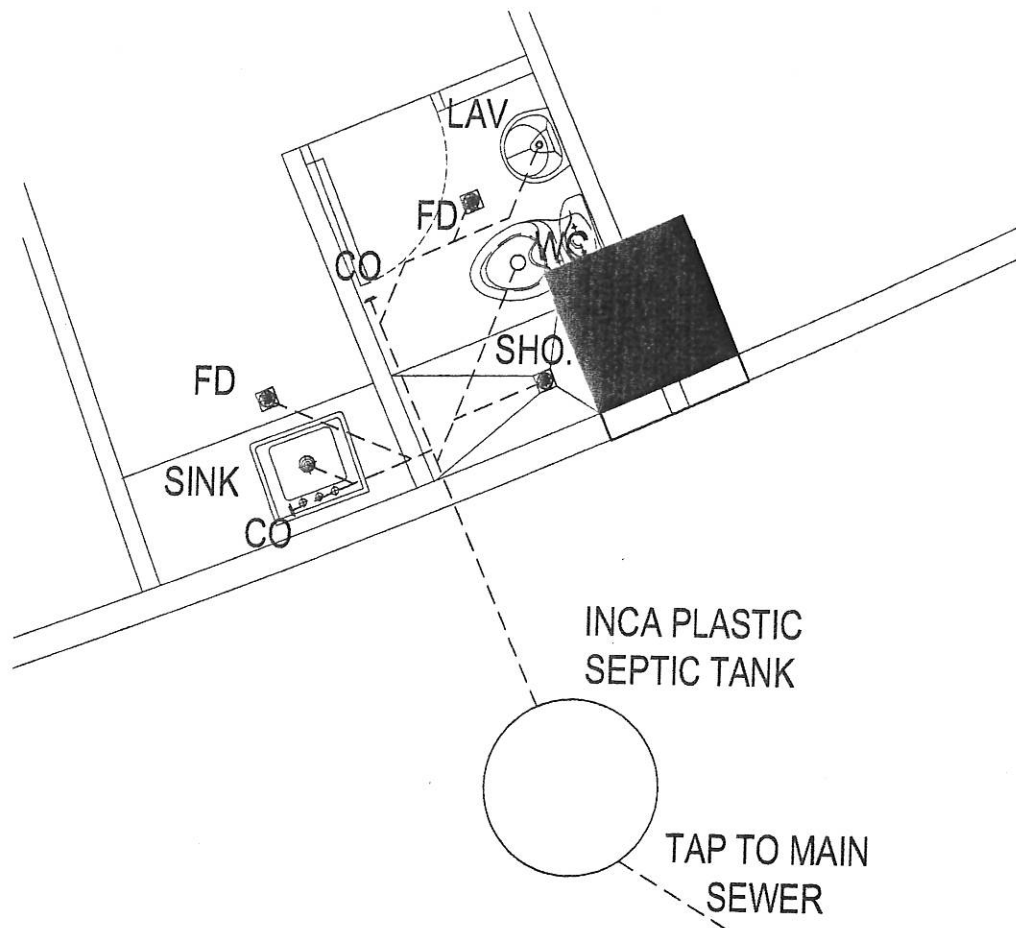
1. NEW CHB WALL PARTITION FOR C.R.
2. INSTALLATION OF 60cm x 60cm TILES
3. INSTALLATION OF NEW WATER CLOSET & LAVATORY
4. INSTALLATION OF NEW PVC DOOR FOR C.R.
5. INSTALLATION OF NEW WATERLINE FOR C.R. & PANTRY AREA
6. MASONRY WORKS OF PANTRY COUNTER
7. INSTALLATION OF NEW CEILING IN C.R.
8. ELECTRICAL WORKS
9. SANITARY WORKS FOR PANTRY & C.R.
10. PAINTING WORKS
11. SUPPLY & INSTALLATION OF SEPTIC TANK W/ PVC PIPES
TAP TO THE NEAREST EXISTING STORM DRAINAGE

ENCLOSED AIRCON WALL OPENING
WITH CHB, SMOOTH PLASTERED FINISH
AND PAINTED BOTH SIDE

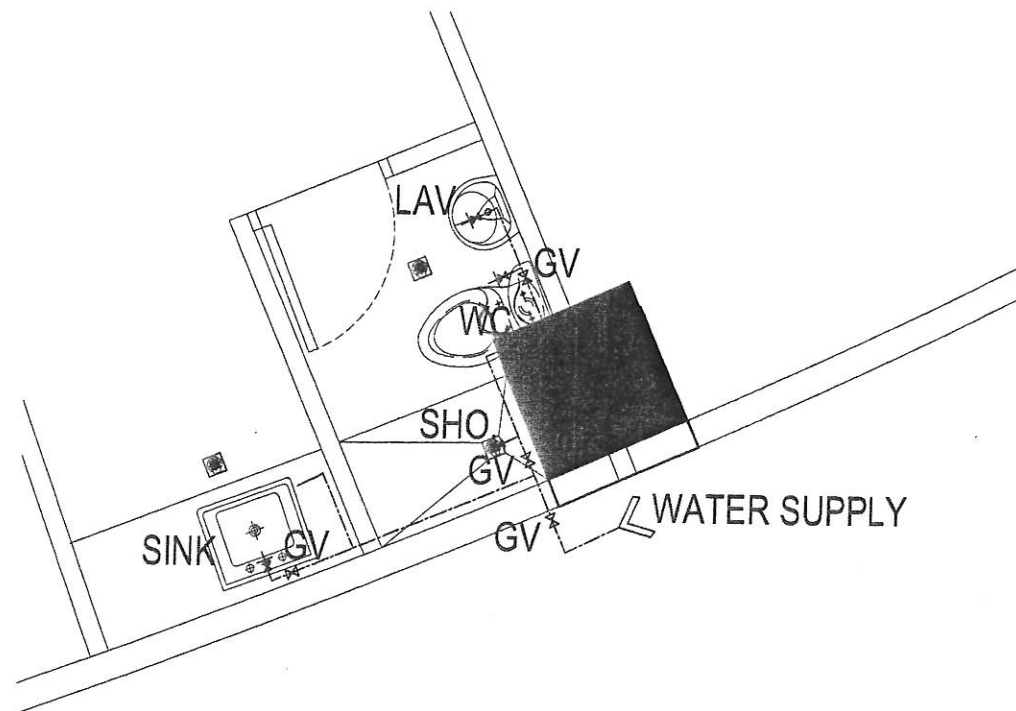


Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINE NUCLEAR RESEARCH INSTITUTE	DETAILS OF COMFORT ROOM IN HPRS HEAD	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer III	Engr. ARTURO F. SANCHEZ Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engr. REXYTO T. BANAGA Engineer III	Engr. CARLO A. ANICILLA Ph. D. Director	GENIBLAZO	E-3
ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY						CHECKED BY:	PAGE NO.:
						DATE: JAN. 28, 2021	57/81
						PROJ. NO.:	



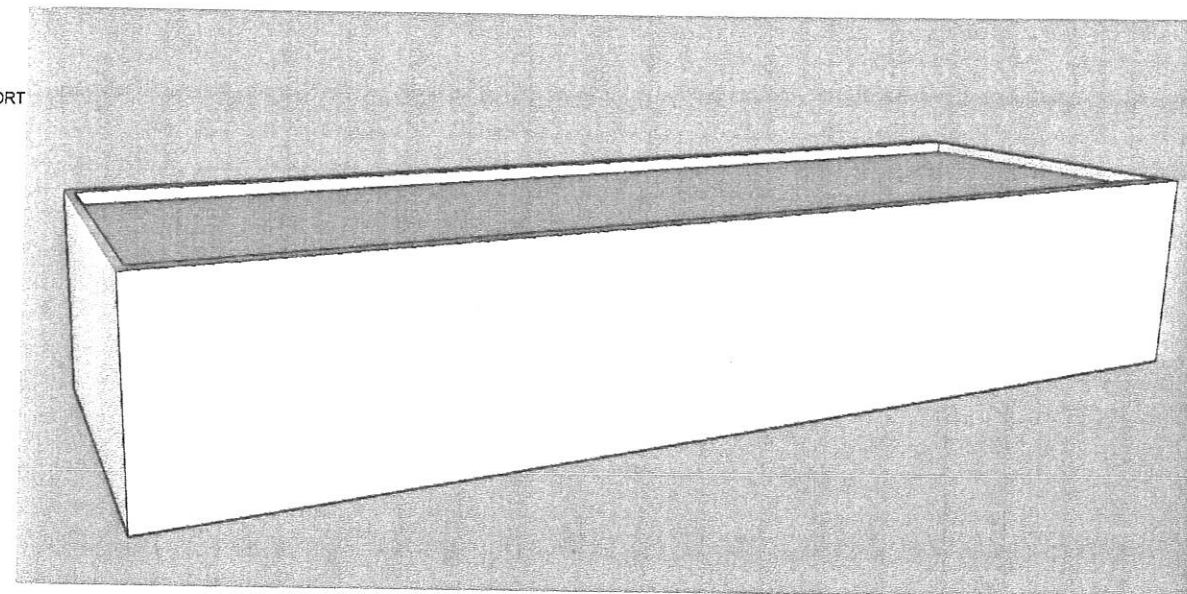
1 SEWAGE & SANITARY LAYOUT
SCALE 1:40 MTS



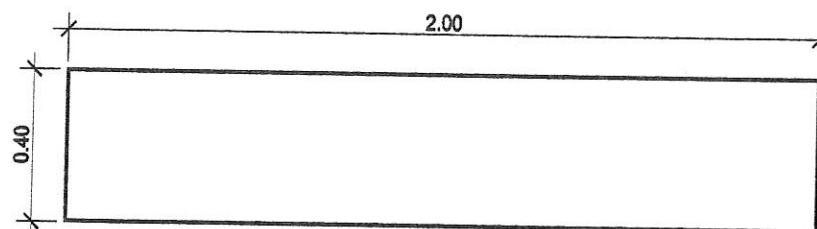
1 WATERLINE SUPPLY LAYOUT
SCALE 1:40 MTS

1 DETAILS OF ROOF PLAN
SCALE 1:100 MTS

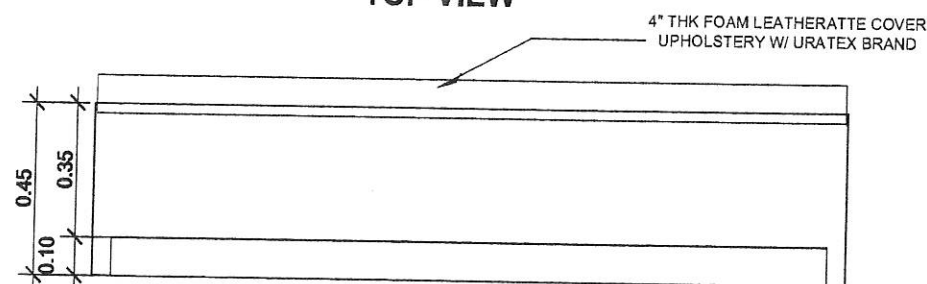
 Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	PROJECT: UPGRADING OF ARC BLDG. (C.Y. 2021)	OWNER: PHILIPPINE NUCLEAR RESEARCH INSTITUTE ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY	SHEET CONTENT: UPGRADING OF ARC ENVILAB - REFLECTED CEILING PLAN	PREPARED BY: Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer, ESS	RECOMMENDING APPROVAL: Engr. ARTURO F. SANTIAGO Senior Science Research Specialist Engr. REMATO T. SANAGA ESS Head	APPROVED BY: CARLO A. ARCILLA, Ph.D. Director	DRAWN BY: GENBLAZO CHECKED BY: DATE: JAN. 28, 2021 PROJ. NO.:	PROJECT/ITEM NO.: E-5 PAGE NO.: 59/81
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PERSPECTIVE VIEW

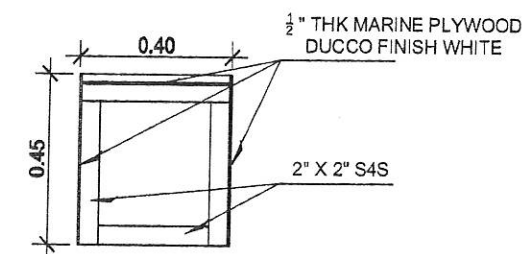


TOP VIEW



COUCH BENCH

SIDE VIEW



SECTION

BENCH



DETAILS OF BENCHES

SCALE

NTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY

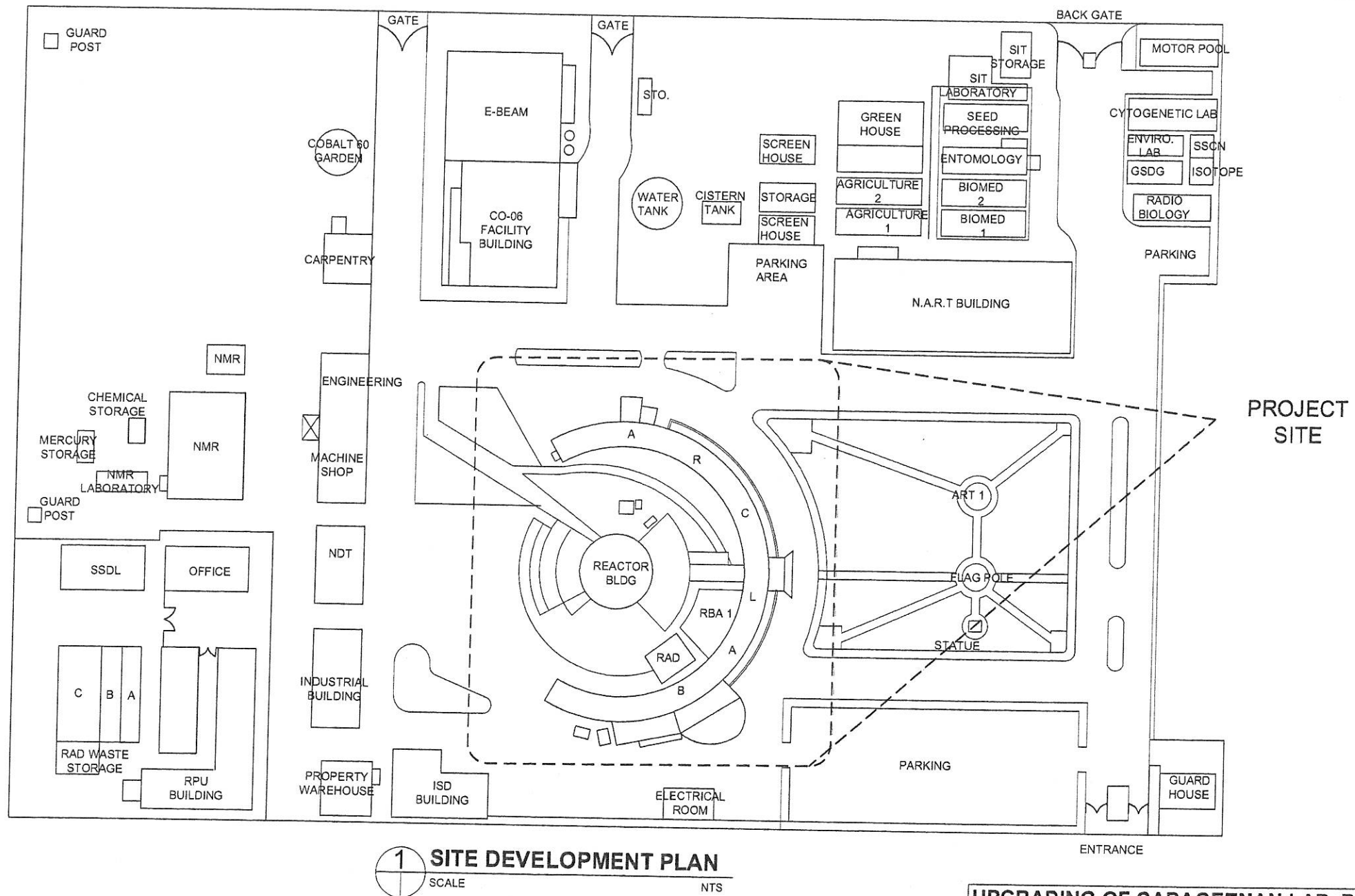
APPROVED BY _____

11

CARLO A. ARCILLA, Ph. D.
Director

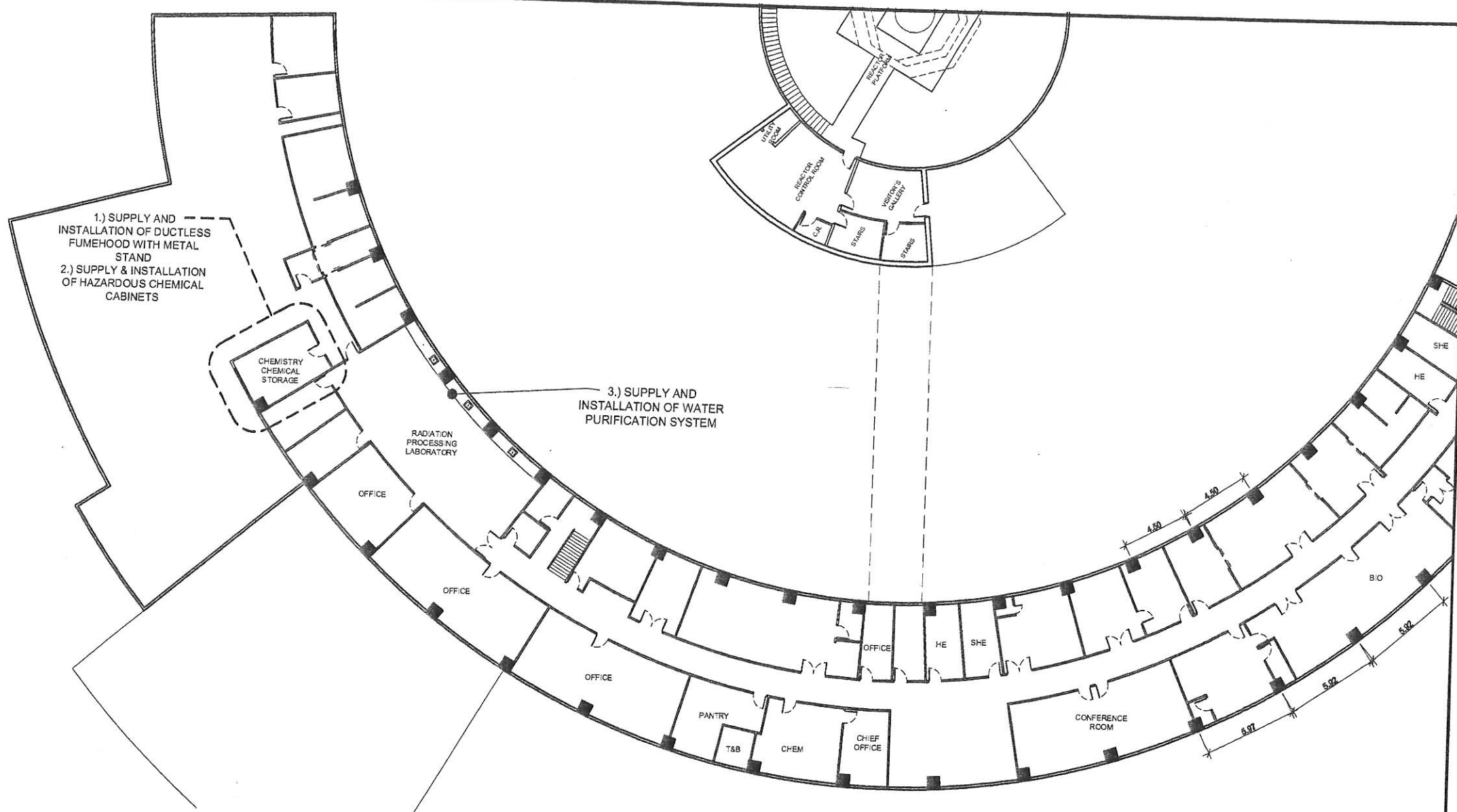
60/81

**UPGRADING OF CARAGEENAN LAB.
BLDG. EXT., GRAFTING LAB. &
STAINLESS RAMP**



**UPGRADING OF CARAGEENAN LAB. BLDG.
EXT., GRAFTING LAB. & STAINLESS RAMP**

 Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY	PROJECT: UPGRADING OF ARC BLDG. (C.Y. 2021)	OWNER: PHILIPPINES NUCLEAR RESEARCH INSTITUTE ADDRESS: COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY	SHEET CONTENT: SITE DEVELOPMENT PLAN	PREPARED BY: Engr. ROSALINDO B. DELA ROSA Senior Science Research Specialist Engr. ANDREW G. BARRERA Engineer - ESS	RECOMMENDING APPROVAL: Engr. ARTURO F. SALA Senior Science Research Specialist Engr. RENATO T. BANAGA ESS Head	APPROVED BY: NEIL RAYMUND D. GUILLERMO Engr. CARLO A. ARCELA, Ph.D. Director	DRAWN BY: GENILAZO CHECKED BY: DATE: JAN. 28, 2021 PROJECT NO.: PAGE NO.: F-1 61/81
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1 ARC BLDG. SECOND FLOOR PLAN
SCALE NTS



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE NUCLEAR RESEARCH INSTITUTE
COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:
UPGRADING OF
ARC BLDG.
(C.Y. 2021)

OWNER:
PHILIPPINES NUCLEAR
RESEARCH INSTITUTE

ADDRESS: COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

SHEET CONTENT:
ARC BLDG.
SECOND FLOOR PLAN

PREPARED BY:

Engr. ROSALINDO B. REJAS
Senior Science Research Specialist

Engr. ANDREW C. SARRIDA
Engr. I. EDS

Engr. ARTURO F. SALIH
Senior Science Research Specialist

RECOMMENDING APPROVAL:

NEIL RAYMUND D. GUILLERMO
Engr. User/ARC C. AND

Engr. RENATO T. BORAGA
ESS Head

APPROVED BY:

CARLO A. ARCILLA, Ph.D.
Director

DRAWN BY: GENBLAZO

CHECKED BY:

DATE: JAN. 25, 2021

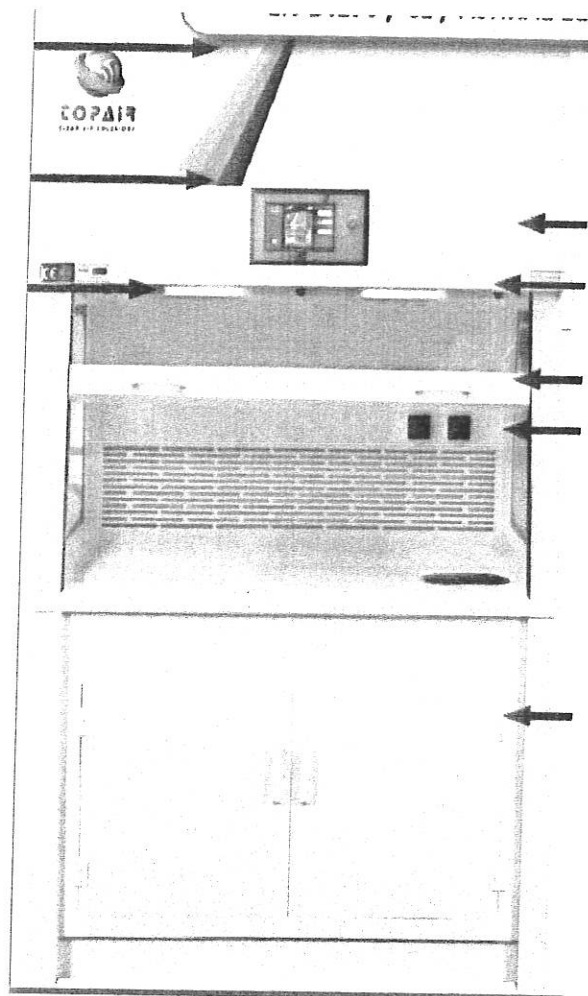
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PROJECT ITEM NO.:

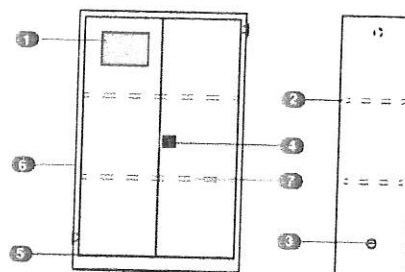
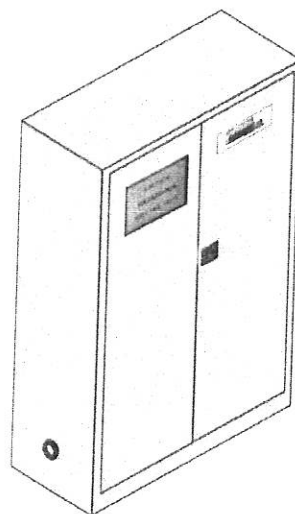
F-3

PAGE NO.:

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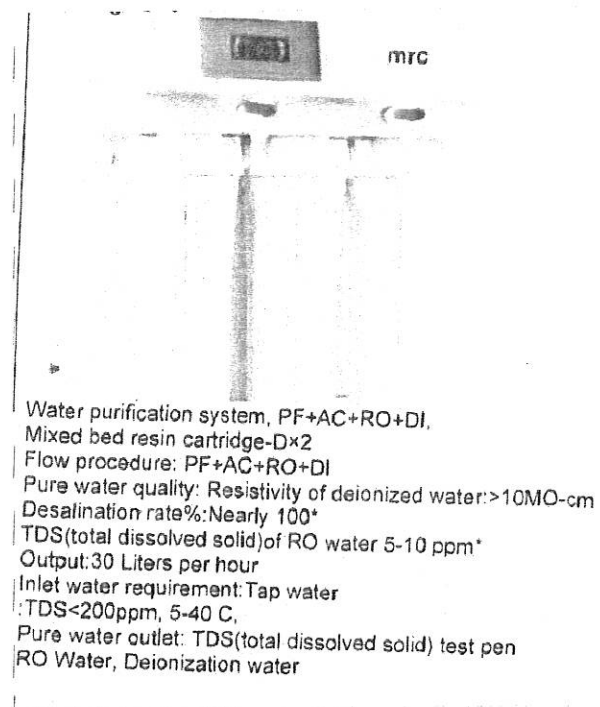


1 DUCTLESS FUMEHOOD
SCALE NTS



1. Safety Warning Sticker
2. Double wall construction with 1-1/2" air space
3. 2 nos 2" vents with flash arrestors
4. Flush mounted locking handle
5. Leak proof sill 2" deep, prevents leakage in the event of accidental spills
6. Epoxy powder coated
7. Galvanised steel shelves adjusted on 1/2" centers

2 SAFETY CHEMICAL CABINETS
SCALE NTS



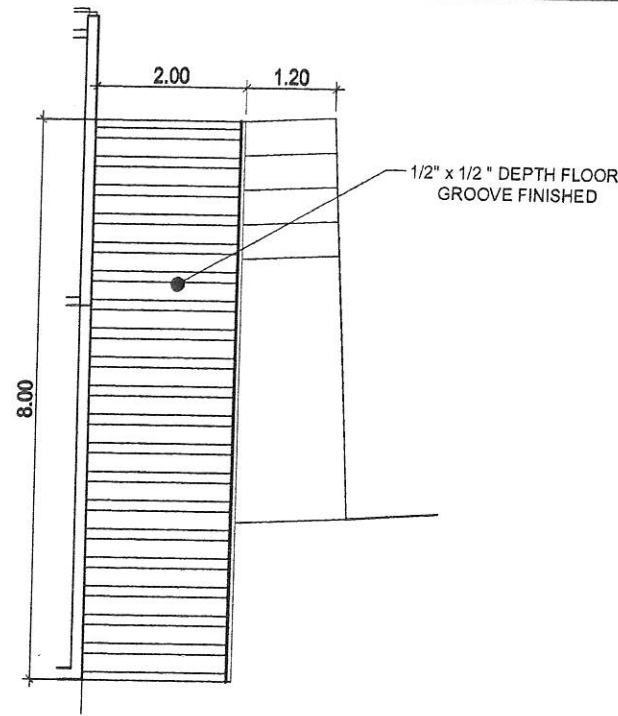
Water purification system, PF+AC+RO+DI,
Mixed bed resin cartridge-Dx2
Flow procedure: PF+AC+RO+DI
Pure water quality: Resistivity of deionized water: >10MO-cm
Desalination rate: Nearly 100%
TDS (total dissolved solid) of RO water 5-10 ppm*
Output: 30 Liters per hour
Inlet water requirement: Tap water
TDS < 200ppm, 5-40 C,
Pure water outlet: TDS (total dissolved solid) test pen
RO Water, Deionization water

3 WATER PURIFICATION SYSTEM
SCALE NTS

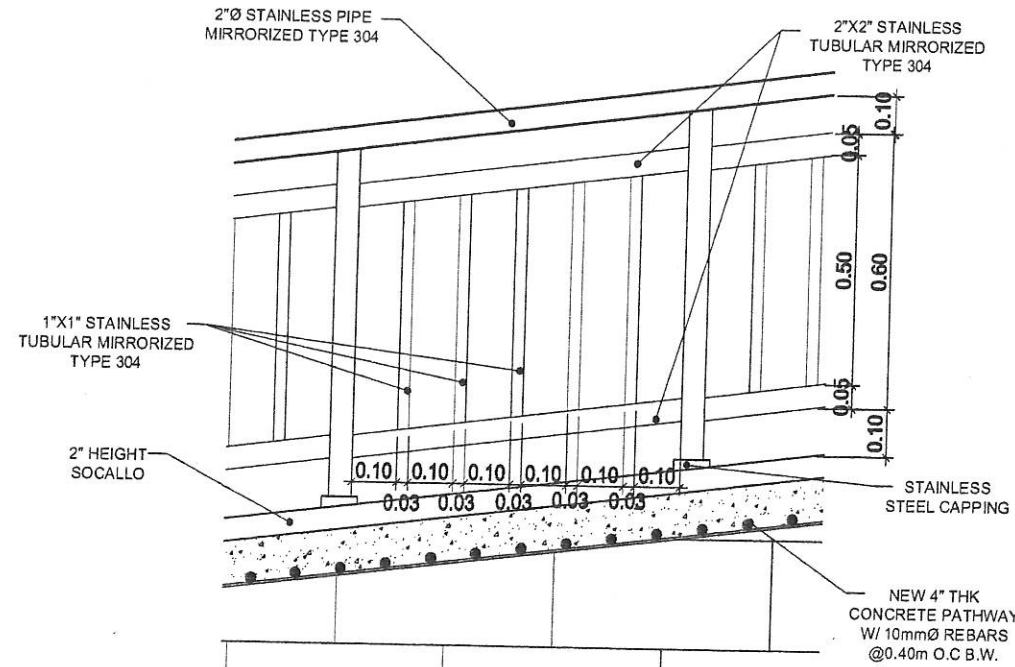


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COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

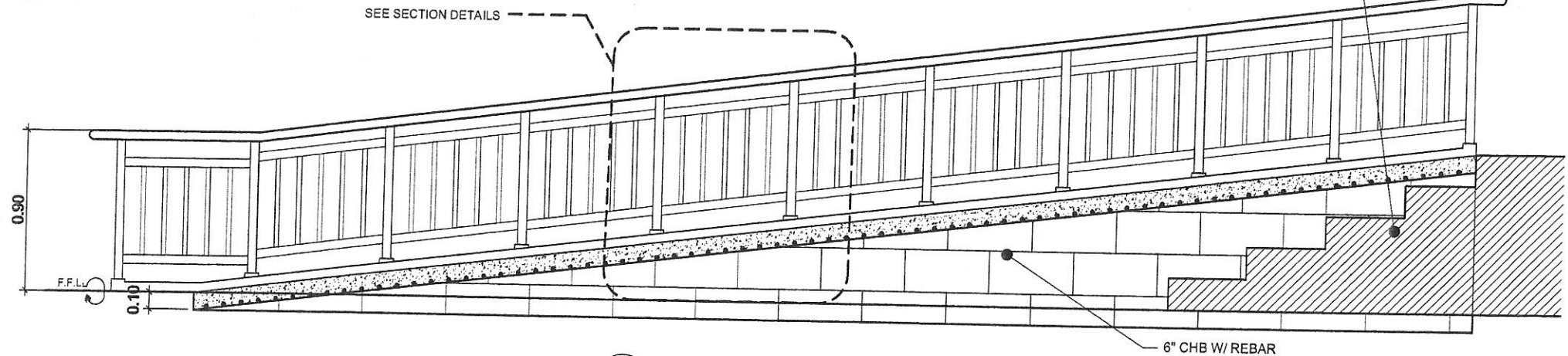
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UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	EQUIPMENT IMAGES FOR CHEMISTRY	Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer I	Engr. ARTURO F. SALIN Senior Science Research Specialist NEL RAYMUND D. GUILLERMO Engr. RENELO T. BAÑAGA ESS Head	CARLO A. ARCILLA, Ph.D. Director	CHECKED BY: DATE: JAN. 28, 2021 PROJ. NO.:	F-4 PAGE NO.: 64/81
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1 DETAILS OF RAMP IN SERVICE PLATFORM
ARC BLDG. GROUND FLOOR PLAN
SCALE NTS



2 SECTION DETAILS OF RAMP - B
SCALE NTS

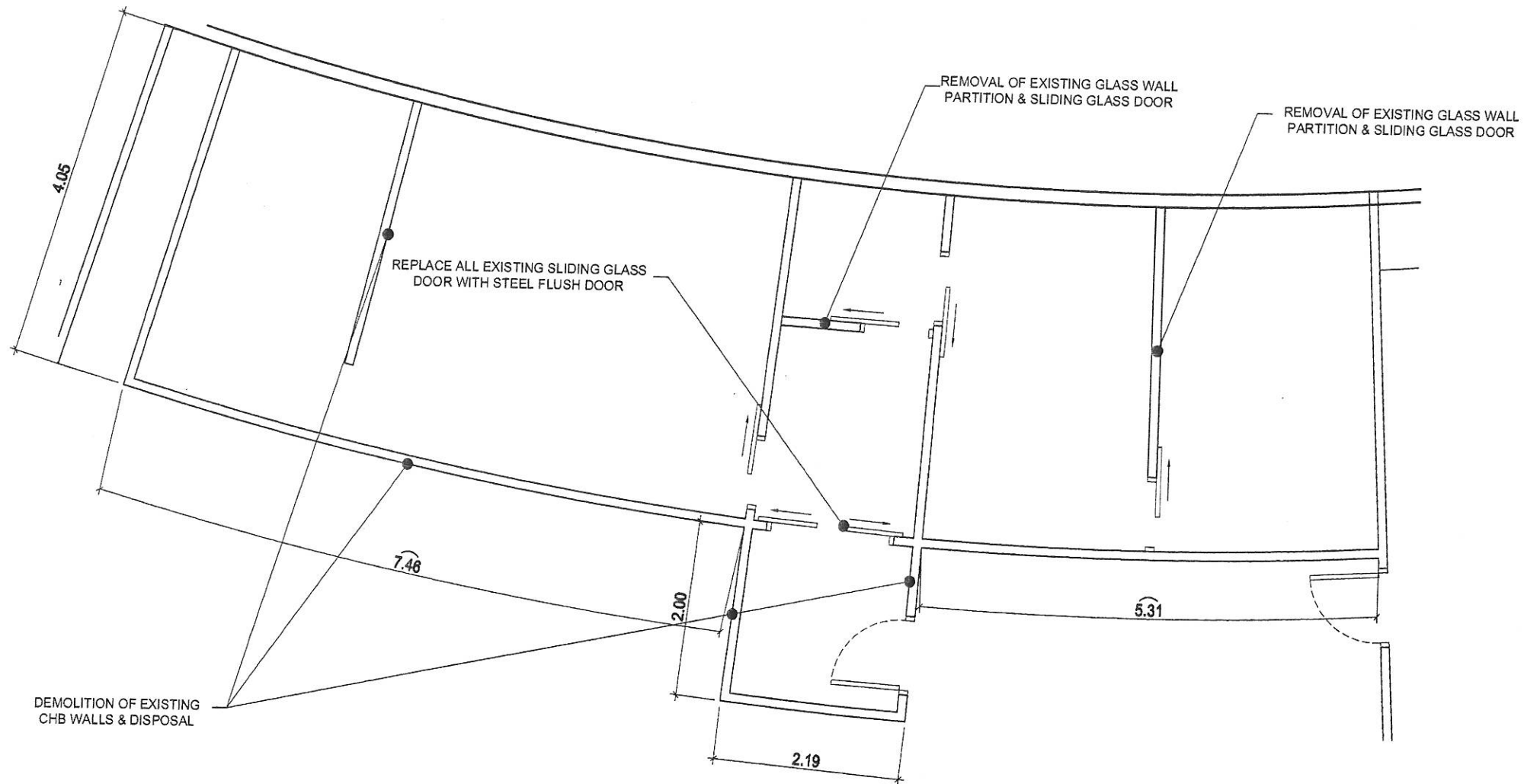


3 SECTION DETAILS OF RAMP - A
SCALE NTS



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UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC BLDG. GROUND FLOOR - RAMP DETAILS	Engr. ROSALINDO B. REAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engr. 1, ESS	Engr. ARTURO F. SALA Senior Science Research Specialist Engr. RENEATO TABANAGA ESS Head	NEC RAYMUND D. GUILLERMO Engr. 1, ESS CARLO A. ARCILLA, E.D. Director	Drawn by: GEBLAZO	G-1
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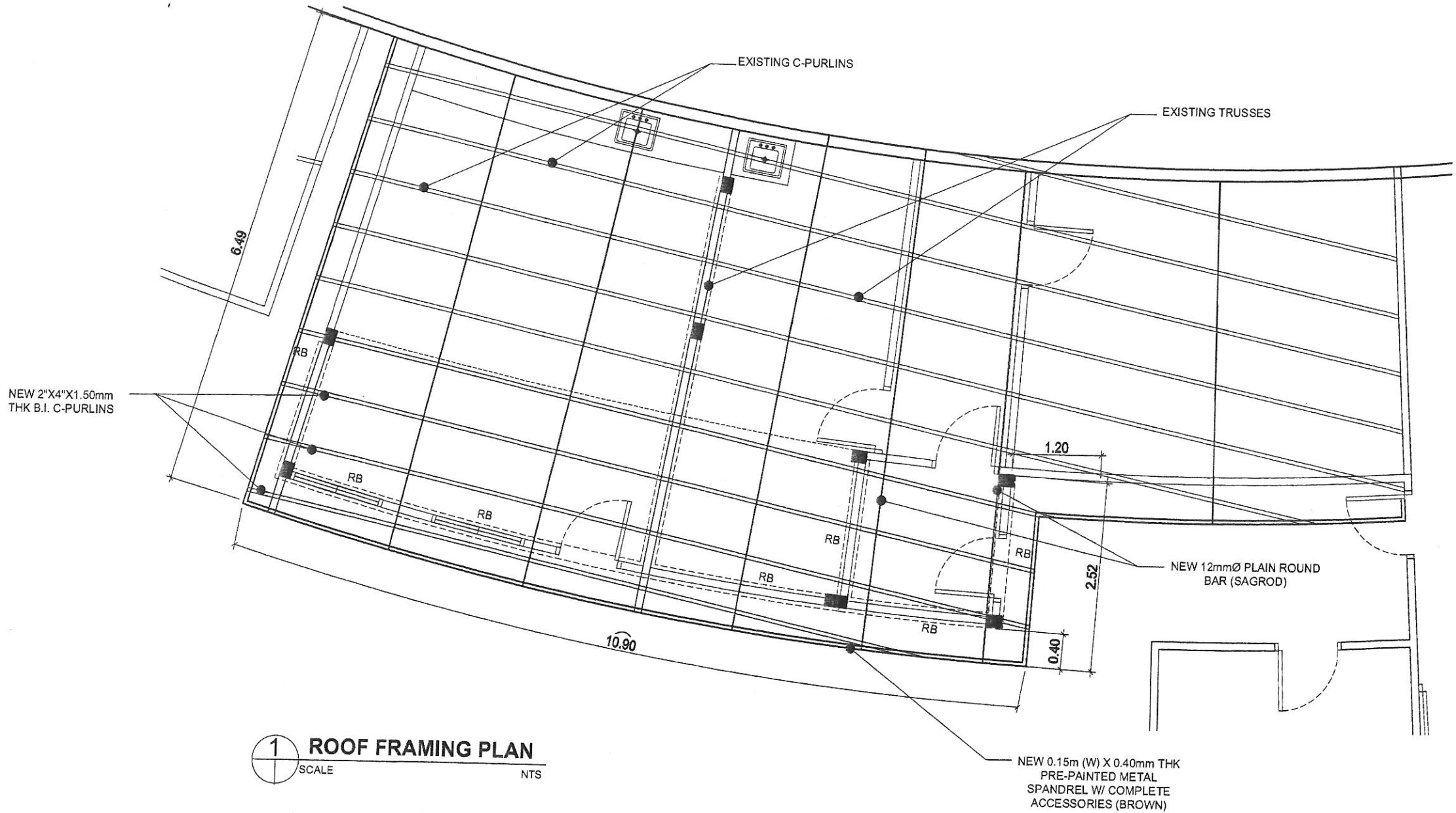
1
SCALE

EXISTING OF CARAGEENAN PILOT PLANT
ARC BLDG. SECOND FLOOR PLAN
NTS



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PROJECT:	OWNER:	SHEET CONTENT:	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAWN BY:	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC/ BLDG. SECOND FLOOR PLAN -EXISTING OF CARAGEENAN PILOT PLANT	Engr. ROSALINO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer I ESS	Engr. ARTURO F. SALIH Senior Science Research Specialist NEIL RAYMUND D. GUILLERMO Engr. Usefroidio Chua Engr. RENATO T. BAYAGA ESS Head	CARLO A. ARCILLA, P. D. Director	DRAWN BY: GENBLAZO	H-1
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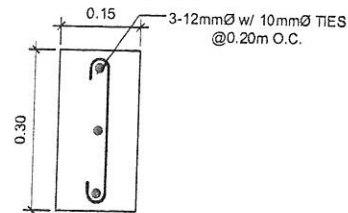


1 ROOF FRAMING PLAN
SCALE NTS

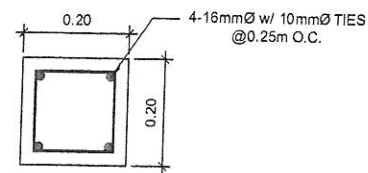


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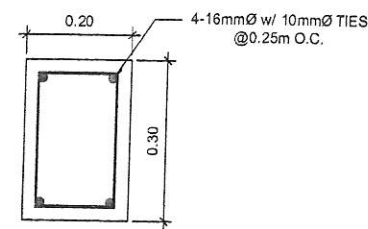
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UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	UPGRADING OF CARAGEENAN PILOT PLANT LAYOUT - ROOF FRAMING PLAN	Engr. ROSALINDO B. REJAS Senior Science Research Specialist Engr. ANDREW C. BARRIDA Engineer I EES	Engr. ARTURO F. SICH Senior Science Research Specialist Engr. RENATO T. BANAGA EES Head	NEIL RAYMUND D. GUILLERMO Engineer II-C CARLO A. ARCILLA, R.D. Director	CHECKED BY: DATE: JAN 25, 2021 PROJ. NO.:	H-5 PAGE NO.: 70/81



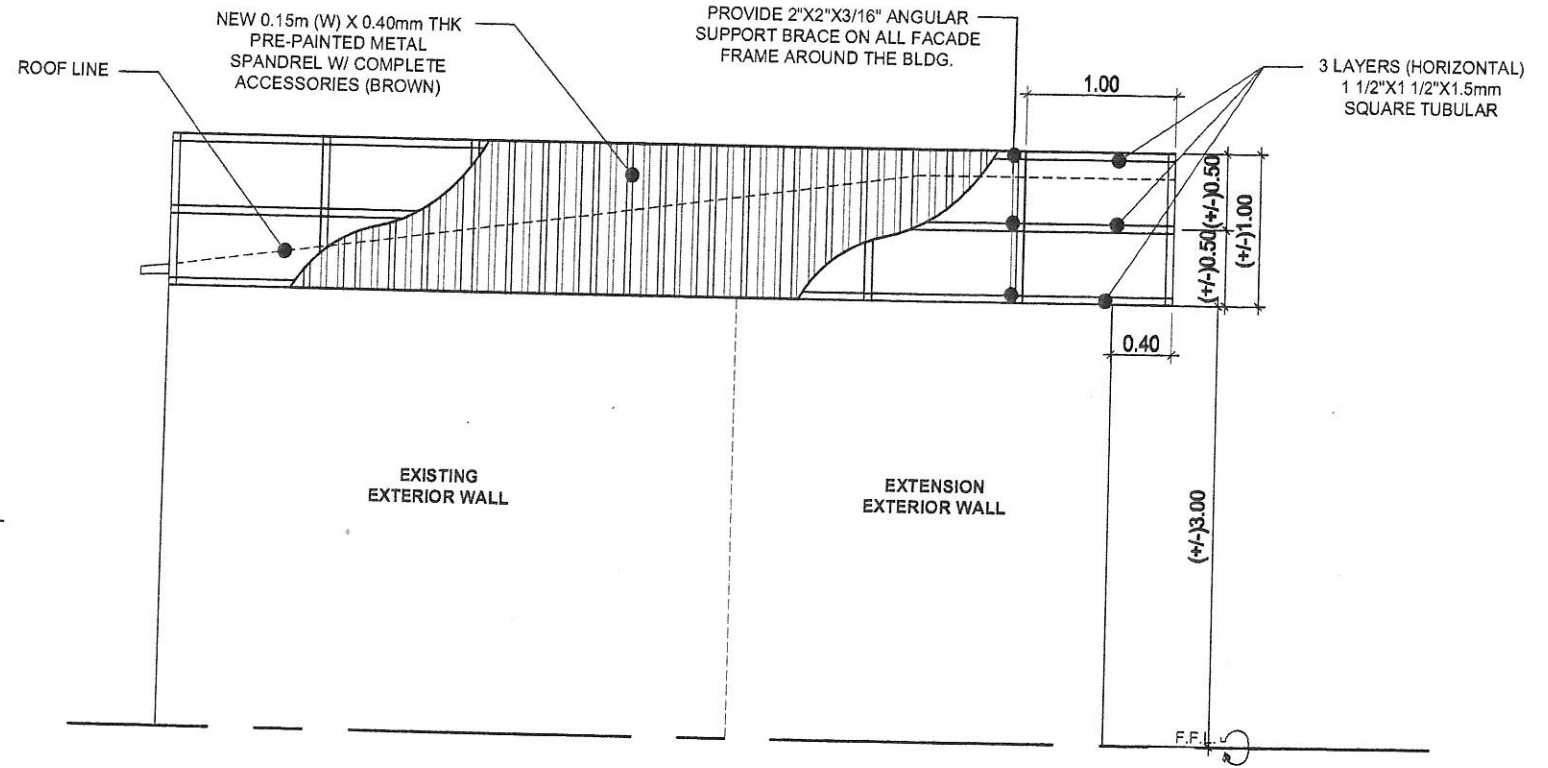
1 DETAILS OF LINTEL BEAM - LB
SCALE NTS



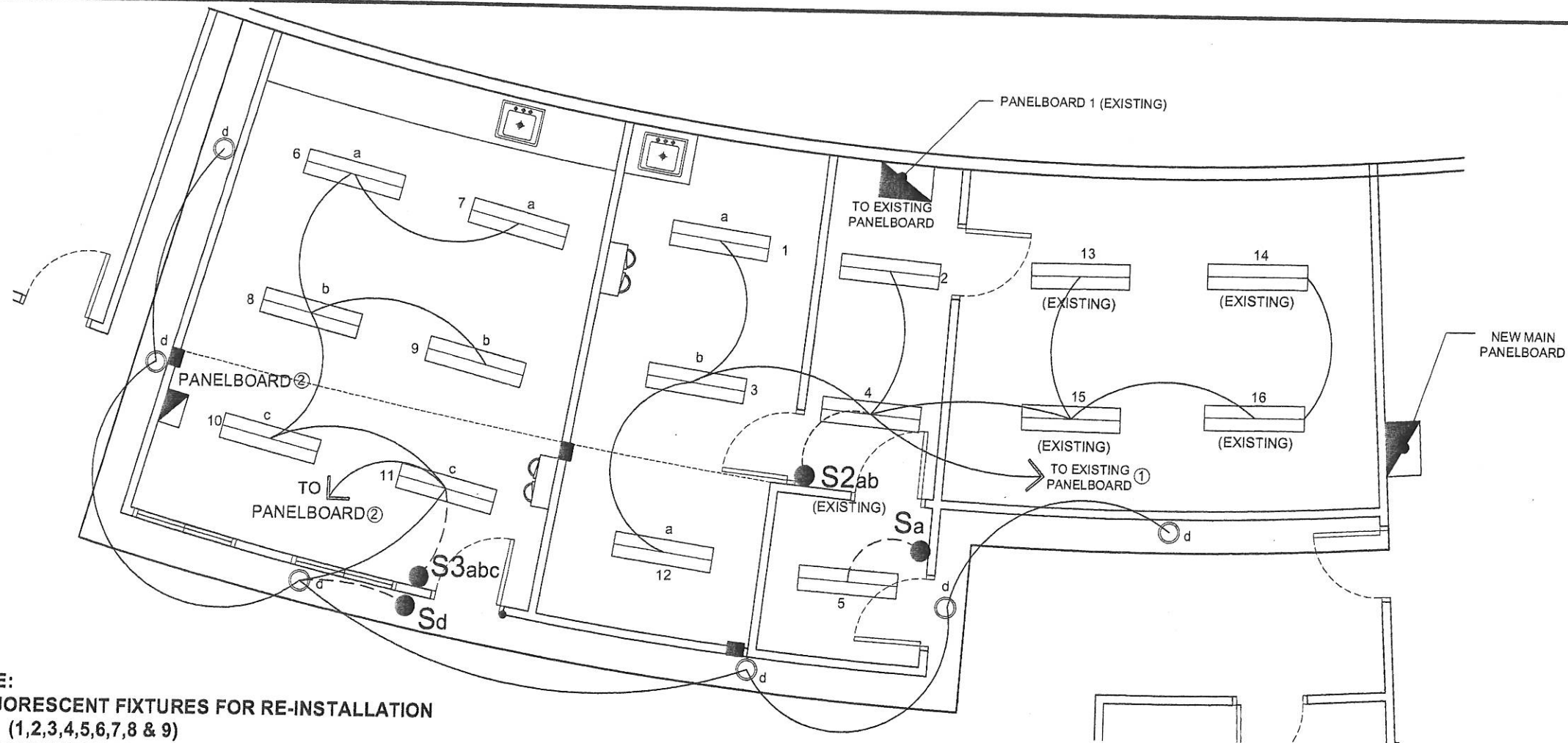
2 DETAILS OF BASE BEAM (BB) & ROOF BEAM (RB)
SCALE NTS



3 DETAILS OF PLANTED COLUMN - PC
SCALE NTS



4 SIDE ELEVATION
SCALE NTS



NOTE:

- FLUORESCENT FIXTURES FOR RE-INSTALLATION (1,2,3,4,5,6,7,8 & 9)
- FLUORESCENT FIXTURES TO BE REMAINED AT EASE (13,14,15 & 16)
- NEW FLUORESCENT FIXTURE FOR INSTALLATION & SPECIFICATION W/ THE EXISTING (10,11, & 12)

PROPOSED ELECTRICAL OF CARAGEENAN PILOT PLANT
ARC BLDG. SECOND FLOOR PLAN
 SCALE 1 NTS

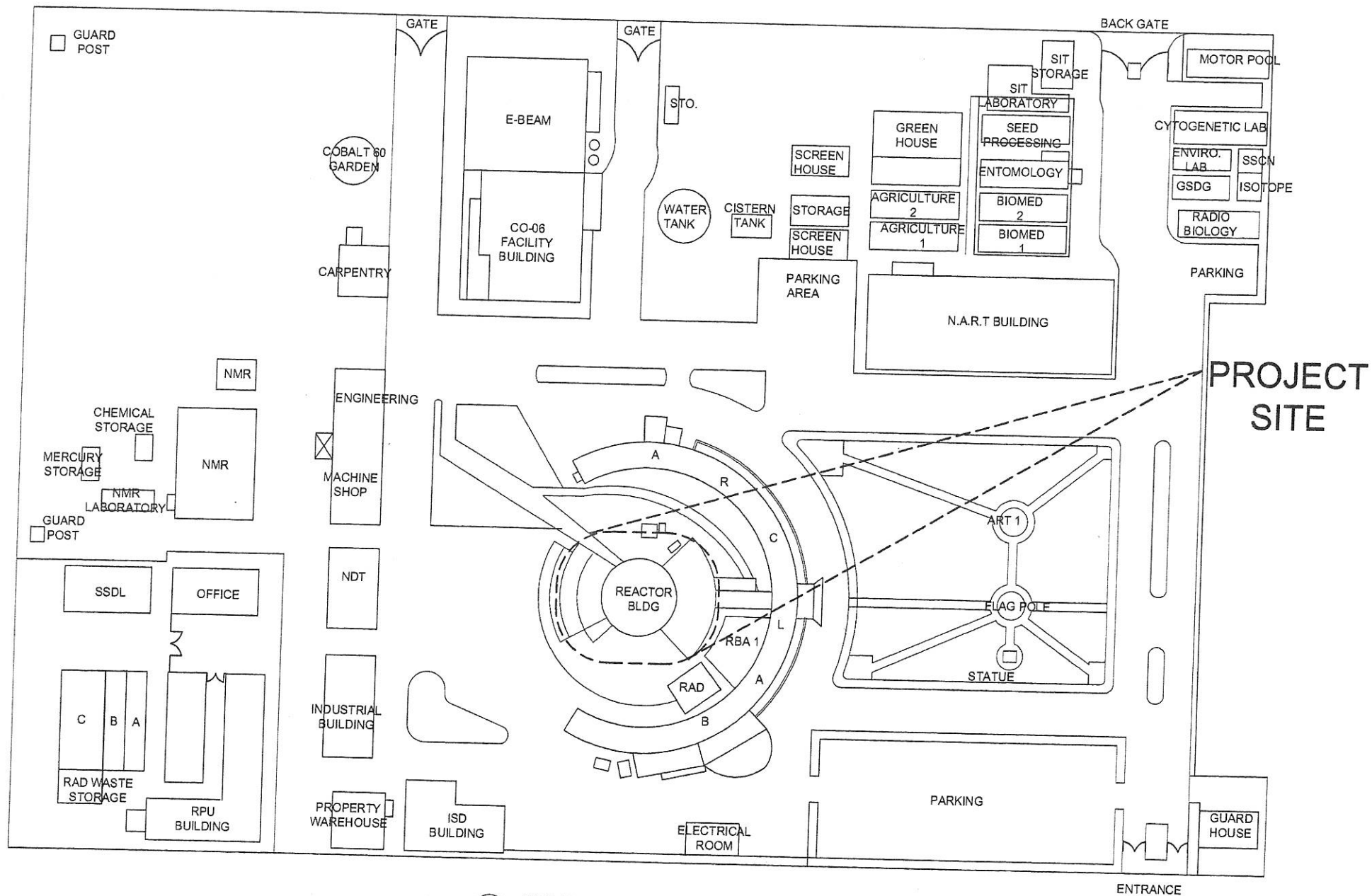
LEGEND OF SYMBOLS:

- PINLIGHT
- ⊕/⊖ CIRCUIT HOMERUN
- ⏏ EMERGENCY LIGHT
- ▢ PANEL BOARD
- Sa● SINGLE POLE SWITCH
- Sab● 2-GANG POLE SWITCH,
- Sabc● 3-GANG POLE SWITCH



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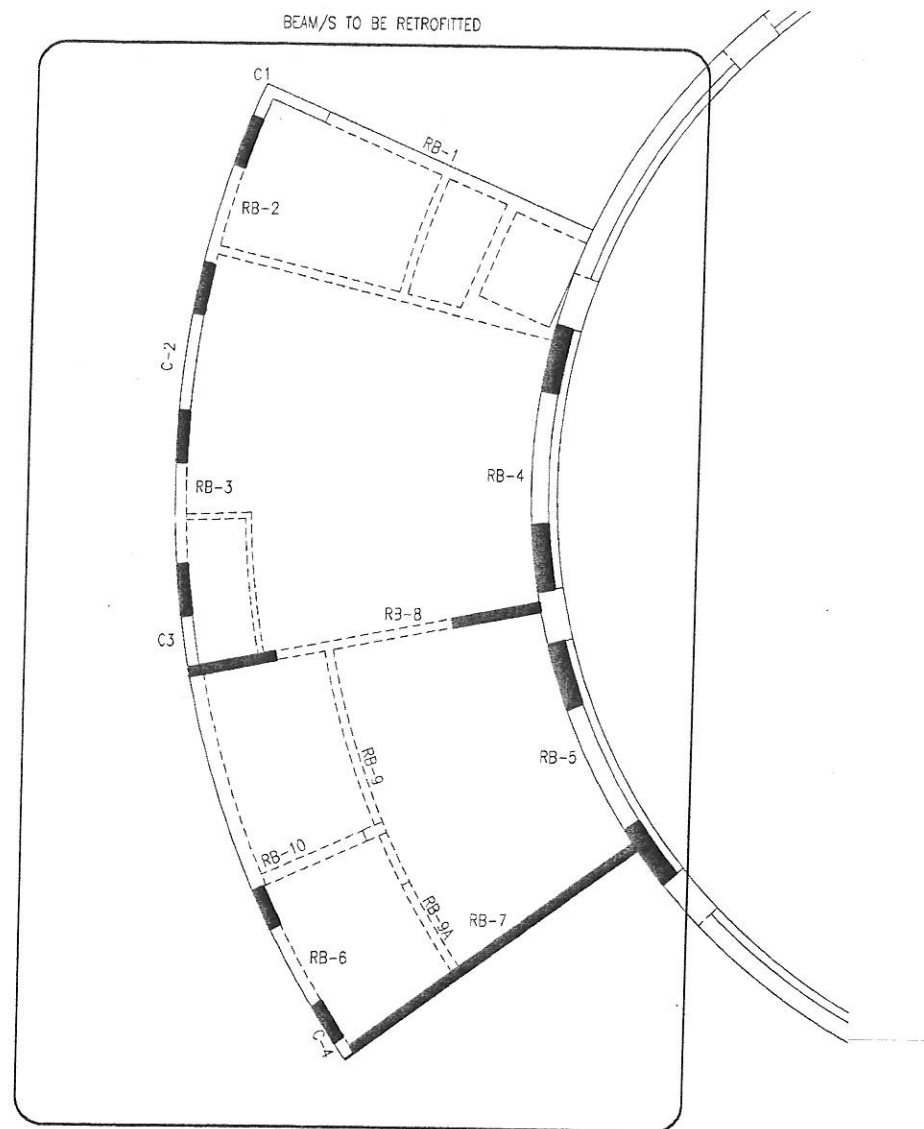
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UPGRADING OF ARC BLDG. (C.Y. 2021)	PHILIPPINES NUCLEAR RESEARCH INSTITUTE	ARC/ BLDG. SECOND FLOOR PLAN - PROPOSED LIGHTING LAYOUT OF CARAGEENAN PILOT PLANT	Engr. ROSALYN B. REJAS Senior Science Research Specialist Engr. ANDREW D. BARRERA Engineer, EES	Engr. ARTURO F. SALTA Senior Science Research Specialist Engr. RENATO T. BANAGA EES Head	NEIL RAYMUND D. GUILLERMO Engr. CARLO A. ARCILLA Ph.D. Director	GEN/BLAZO	H-8
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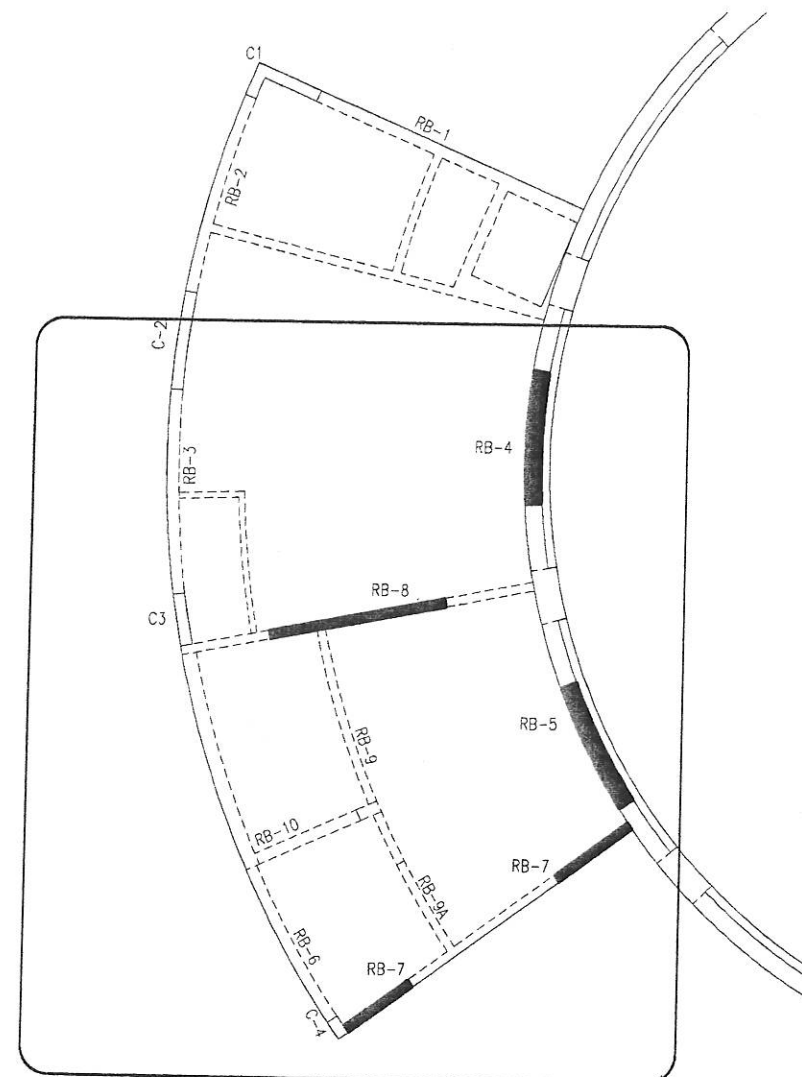
1 SITE DEVELOPMENT PLAN
SCALE NTS

RETROFITTING OF REACTOR BUILDING

 Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY	PROJECT: UPGRADING OF ARC BLDG. (C.Y. 2021)	SHEET CONTENT: SITE DEVELOPMENT PLAN	PREPARED BY: Engr. EUGENE S. GREGORIO BSST, NRO3 Engr. JOHN M. MARQUEZ Senior Research Scientist, NRO3	RECOMMENDING APPROVAL: ALVIE A. ASTORIANO, Ph.D. Engr. LUIS M. NRO3 Engr. RENATO T. BARAGA ESS Head	APPROVED BY: Engr. RAYMUND D. GUILLERMO DTC Chief and CARLO A. ARCILLA, Ph.D. Director	DRAWN BY: GENBLAZO CHECKED BY: DATE: JAN. 26, 2021 PROJECT NO.: PAGE NO.: 75/81
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1 FLEXURAL REINFORCEMENTS (TOP BARS)
ROOF BEAM RETROFITTING PLAN



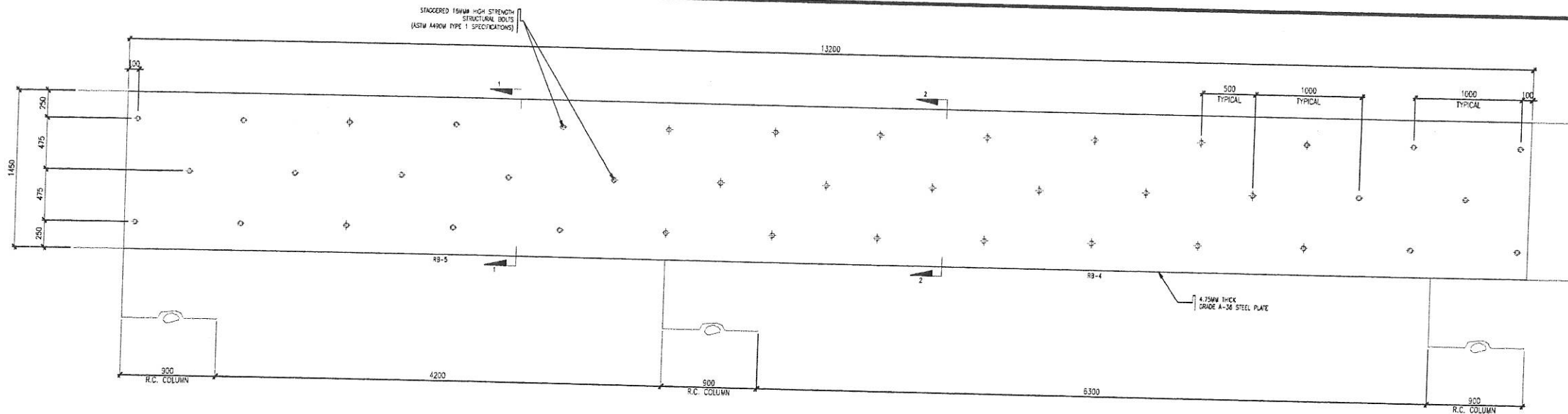
2 FLEXURAL REINFORCEMENTS (BOT BARS)
ROOF BEAM RETROFITTING PLAN

NEIL RAYMUND D. GUILLERMO
Engr. Service Chief ARD



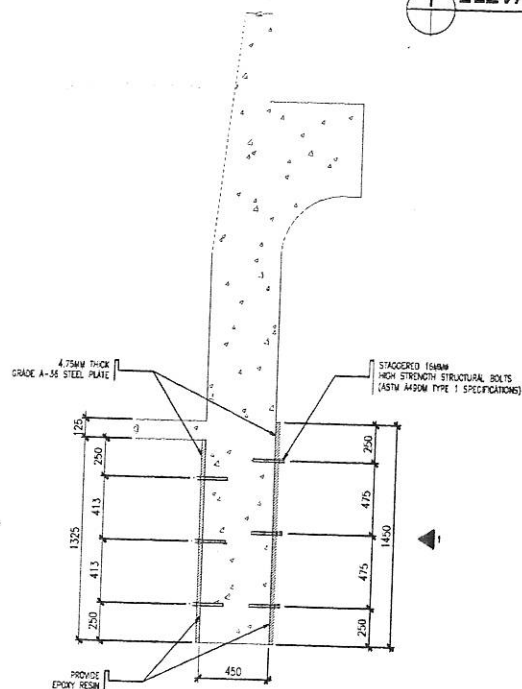
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COMMONWEALTH AVENUE, DILMAN, QUEZON CITY

PROJECT:	SHEET CONTENT:	PREPARED BY:	RECOMMENDED APPROVAL:	APPROVED BY:	DRAWN BY: GENBLAZO	PROJECT ITEM NO.:
UPGRADING OF ARC BLDG. (C.Y. 2021)	REACTOR ROOF BEAM RETROFITTING PLAN	Engr. EUGENE S. GREGORIO SRB II, NROS Engr. JOHN M. MARQUEZ Senior Science Research Specialist, NROS	ALVIEA ASTORIANO, Ph.D. Engr. NROS NEIL RAYMUND D. GUILLERMO DRC Chief ARD Engr. RENATO T. SANAGA ESS Head	CARLO A. ARRIOLA, Ph.D. DRC Chief ARD	CHECKED BY:	J-3
					DATE: JAN. 28, 2021	PAGE NO.:
					PROJ. NO.:	77/81

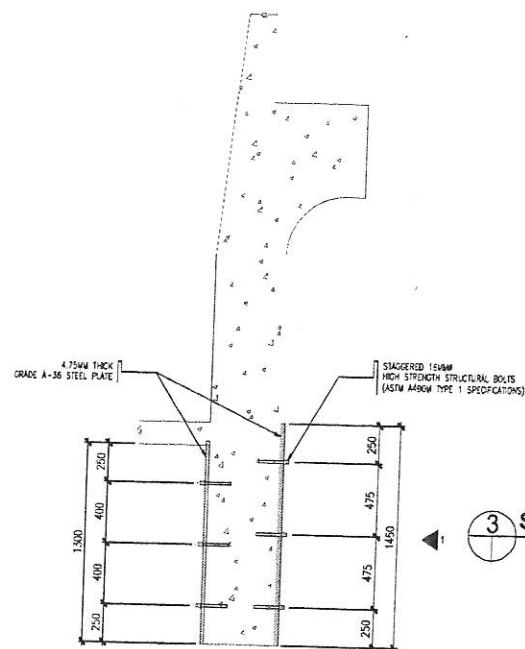


1 ELEVATION 1

2 SECTION 1

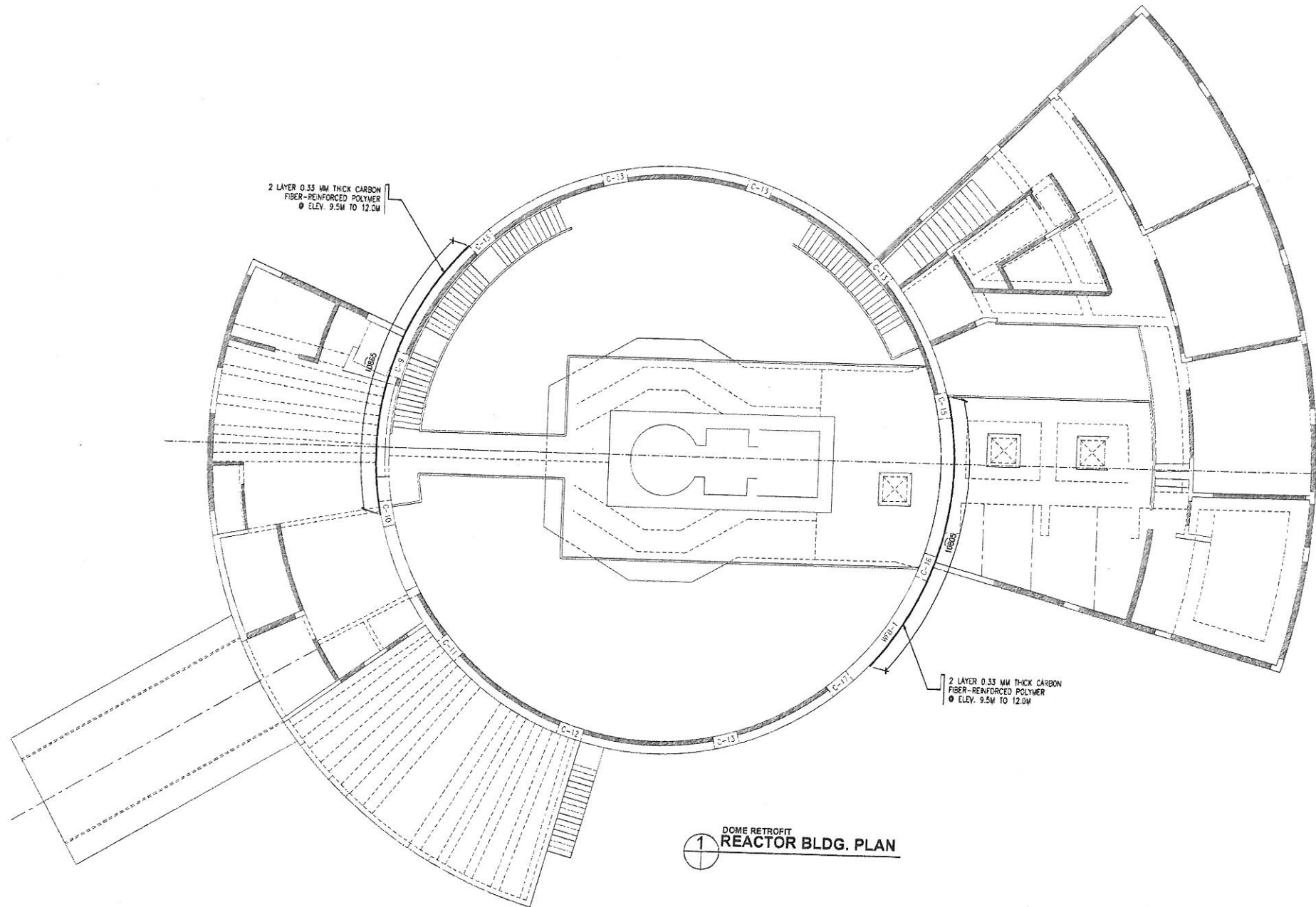


3 SECTION 2



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PROJECT	SHEET CONTENT	PREPARED BY	RECOMMENDED APPROVAL	APPROVED BY	DRAWN BY	PROJECT ITEM NO.
UPGRADING OF ARC BLDG. (C.Y. 2021)	ELEVATION & SECTION	Engr. EUGENES GREGORIO SRG & NROG Engr. JOHN M. MARQUEZ Senior Research Specialist, NROG	ALVIE A. ASTOROMO, Ph.D. Engr. NROG NEIL RAYMUND D. GUILLERMO DCC Chief	BARLO A. ARQUILLA, PhD Director	GENBLAZO	J-4
			Engr. RENATO T. BANAGA ESS Head		CHECKED BY:	PAGE NO.:
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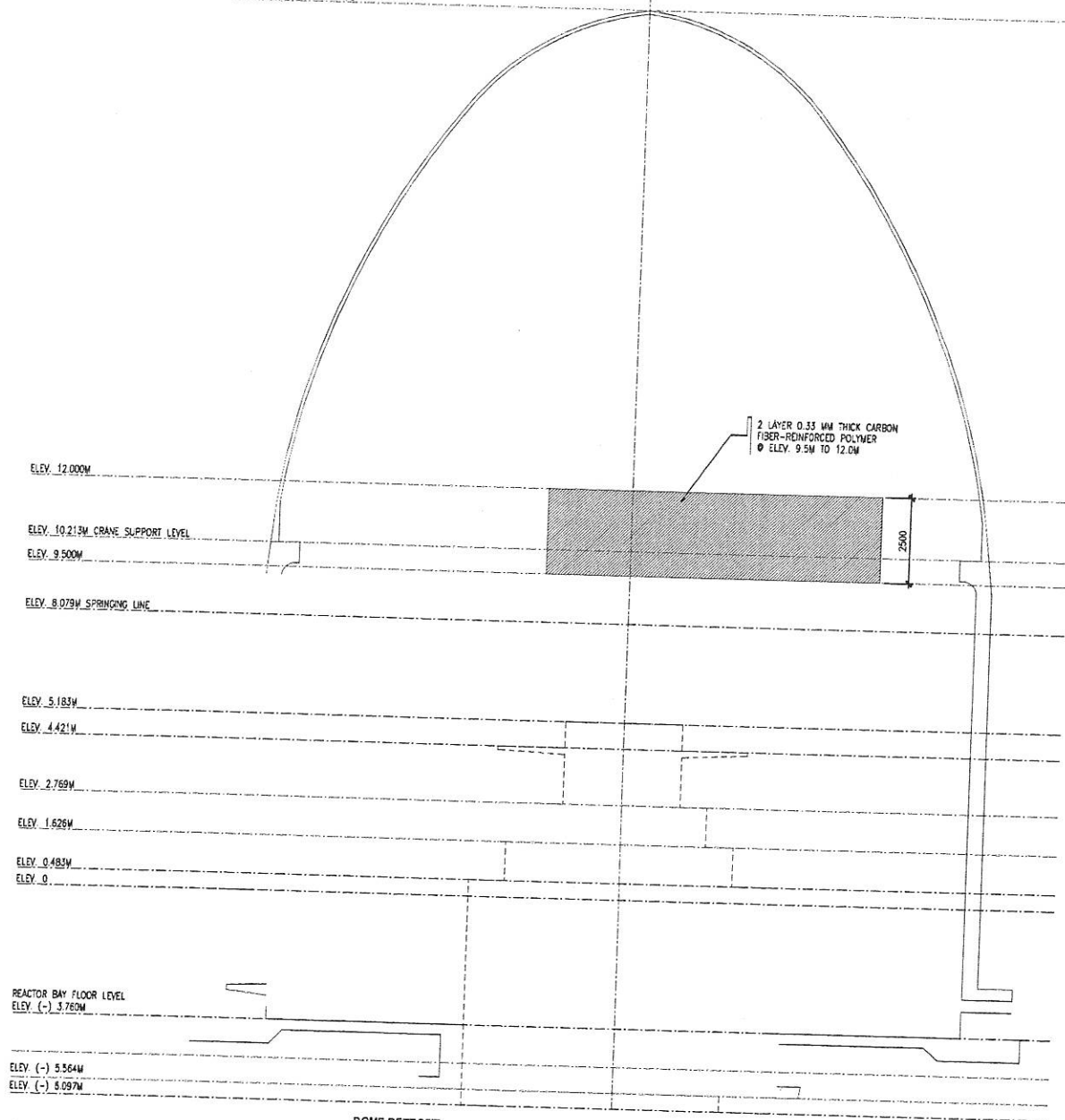
1
DOME RETROFIT
REACTOR BLDG. PLAN



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UPGRADING OF ARC BLDG. (C.Y. 2021)	REACTOR BLDG. PLAN	Engr. EUGENE J. GREGORIO SRG II, NROS Engr. JOHN M. MARQUEZ Senior Project Research Specialist, NROS	ALVIE A. ASTORINOMO, Ph. D. SRG I, NROS Engr. RENATO T. BARAGA ESS Head	NEIL RAYMUND D. GUILLERMO DIO Chief ARD CARLO A. ARCILLA, Ph. D. DIO Head	GENBLAZO	J-6
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ELEV. 26.067M TOP OF DOME



1 DOME RETROFIT
REACTOR BLDG. ELEVATION



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UPGRADING OF ARC BLDG. (C.Y. 2021)	REACTOR BLDG. ELEVATION	Engr. EUGENE S. GREGORIO SRB II, NROS Engr. JOHN M. MARQUEZ Safety Science Research Support, NROS	ALVIE A. ASTRONOMO Ph.D. Engr. NEIL RAYMUND D. GUILLERMO OIC CHAIRMAN Engr. RENATO T. BANAGA ESS Head	CARLO A. ARCILLA Ph.D. Director	CHECKED BY:	J-7
					DATE: JAN. 28, 2021	PAGE NO.:
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