

PROJECT TITLE :

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (7M X 9M)

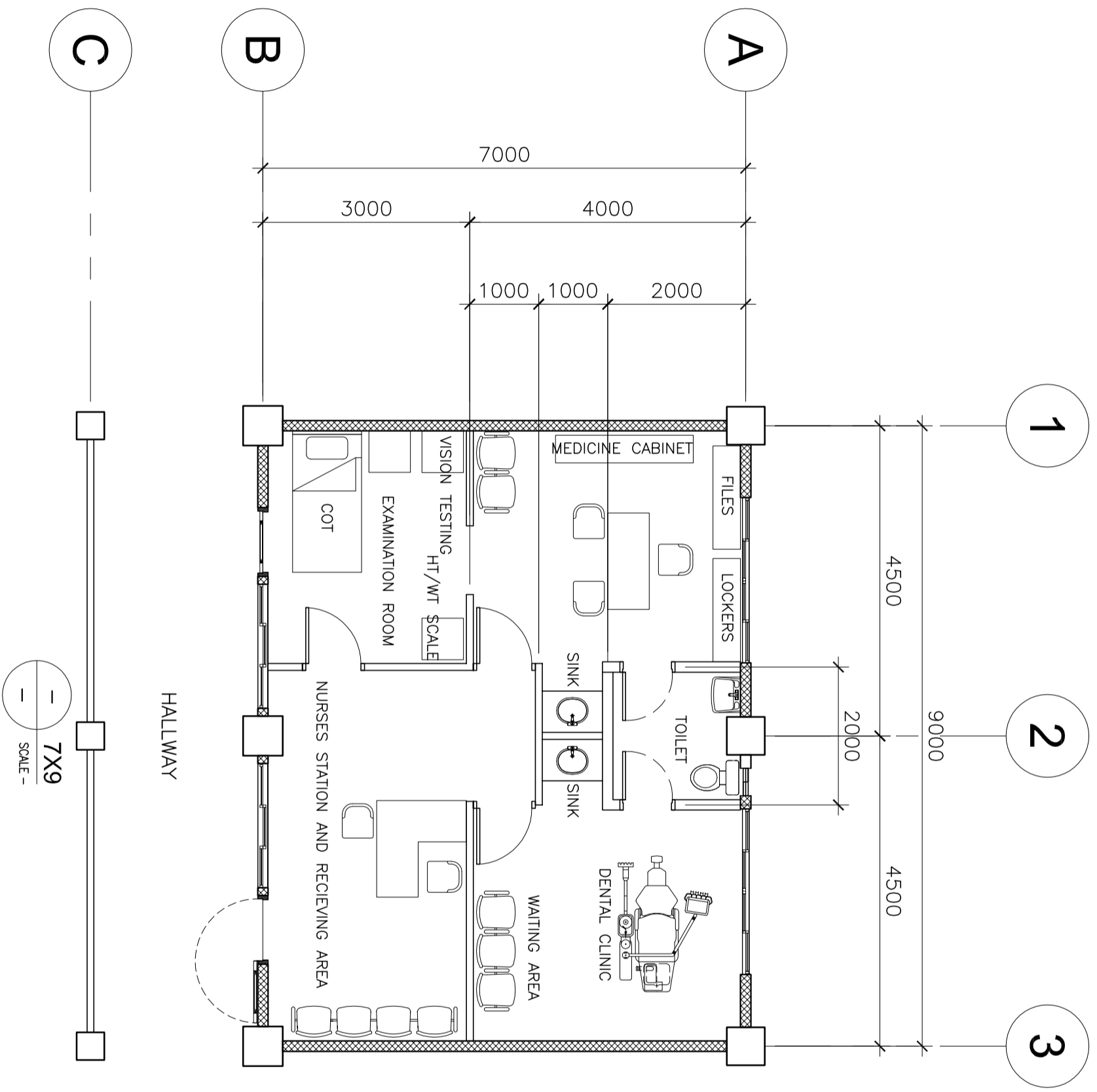
OWNER :

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SHEET NO.:

SHEET CONTENTS :

FLOOR PLAN



- 7X9
 - SCALE -

PROJECT TITLE :

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (7M X 8M)

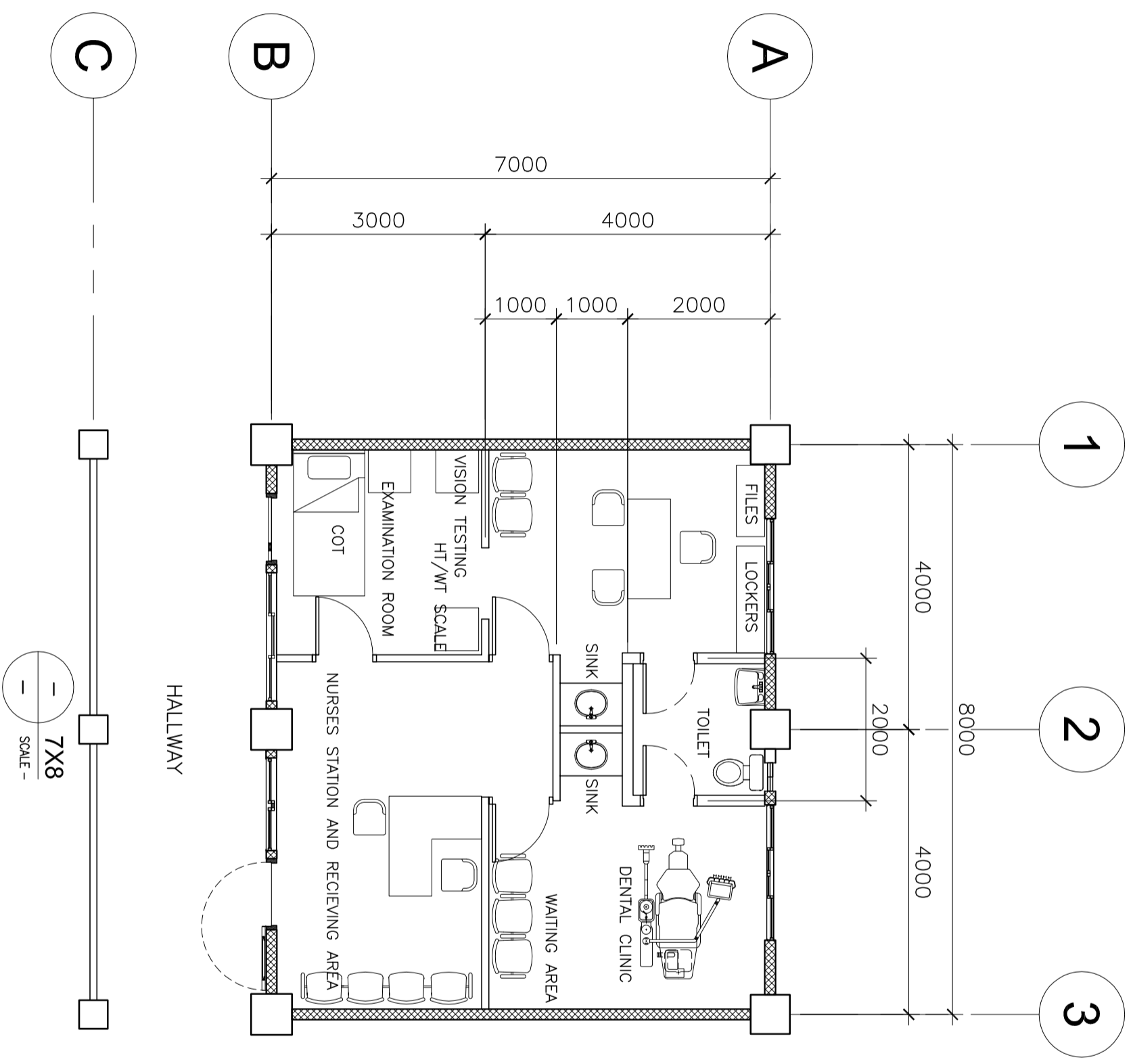
OWNER :

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SHEET NO.:

SHEET CONTAINS :

FLOOR PLAN



7X8
 SCALE

PROJECT TITLE :

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (6M X 8M)

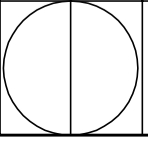
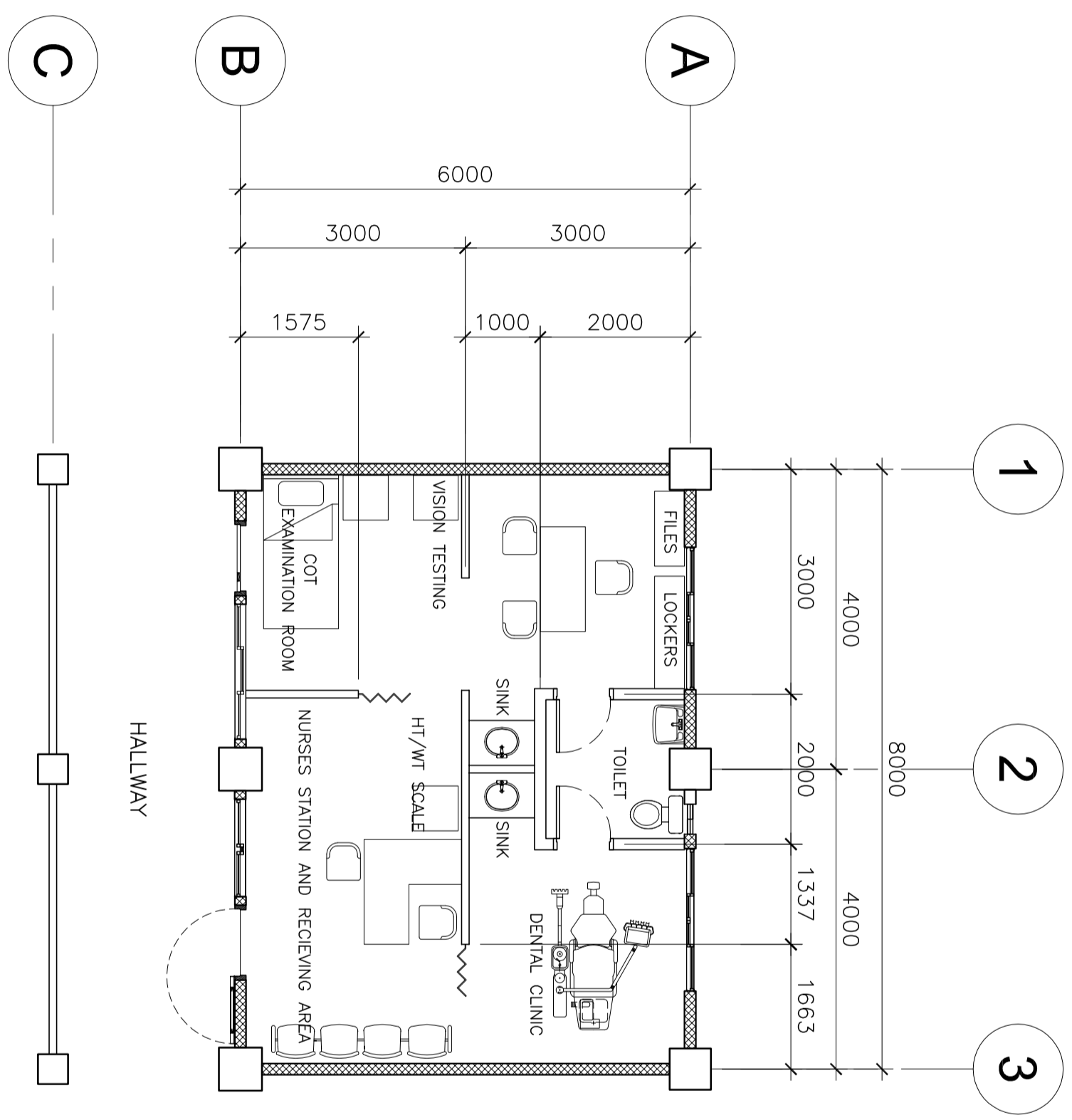
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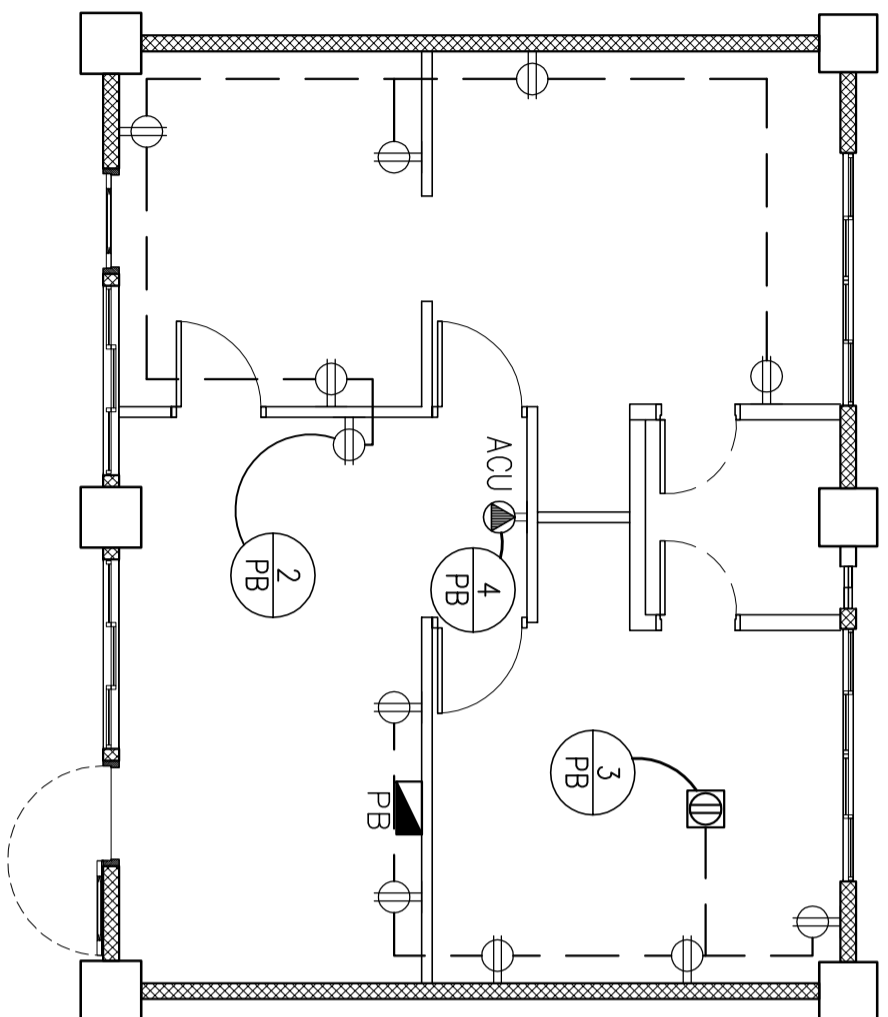
DEPARTMENT OF EDUCATION
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SHEET NO.:

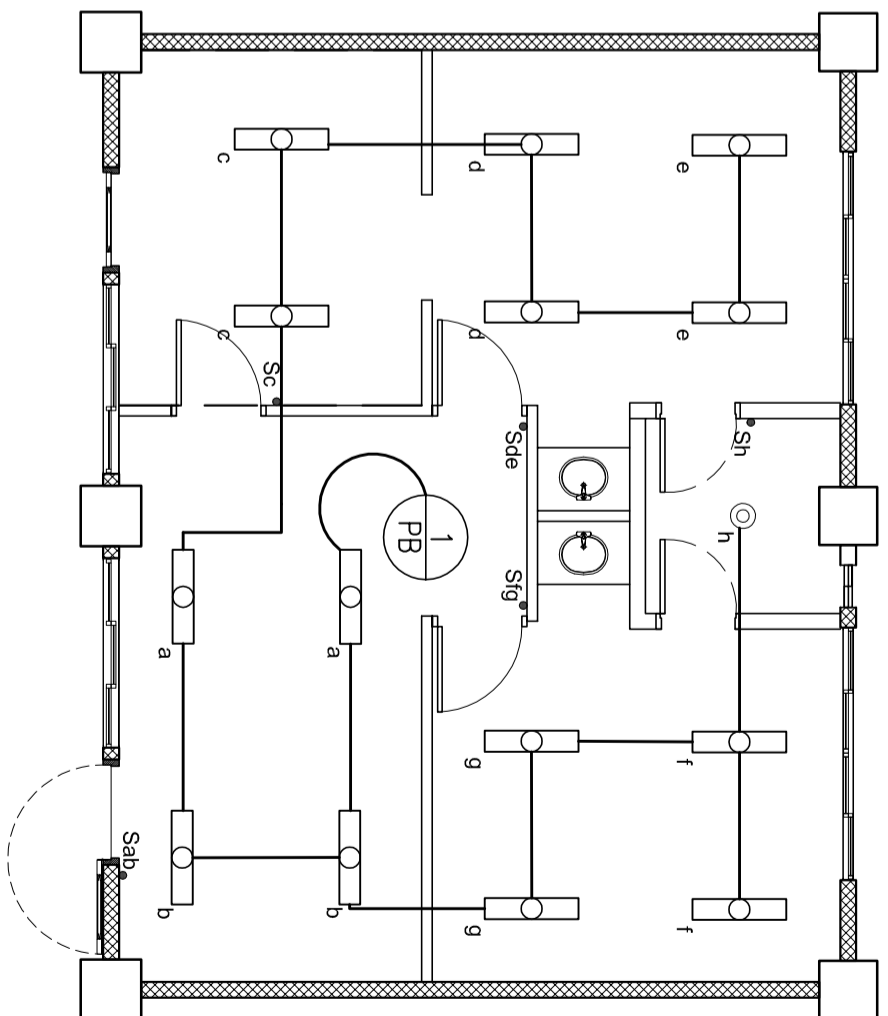
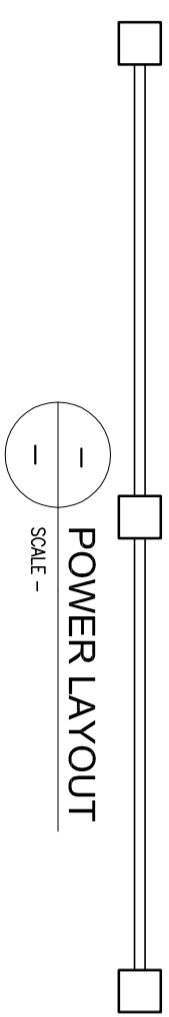
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FLOOR PLAN

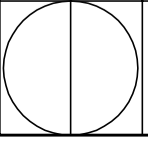
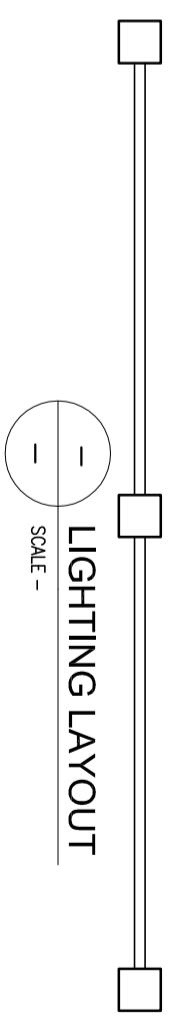




HALLWAY



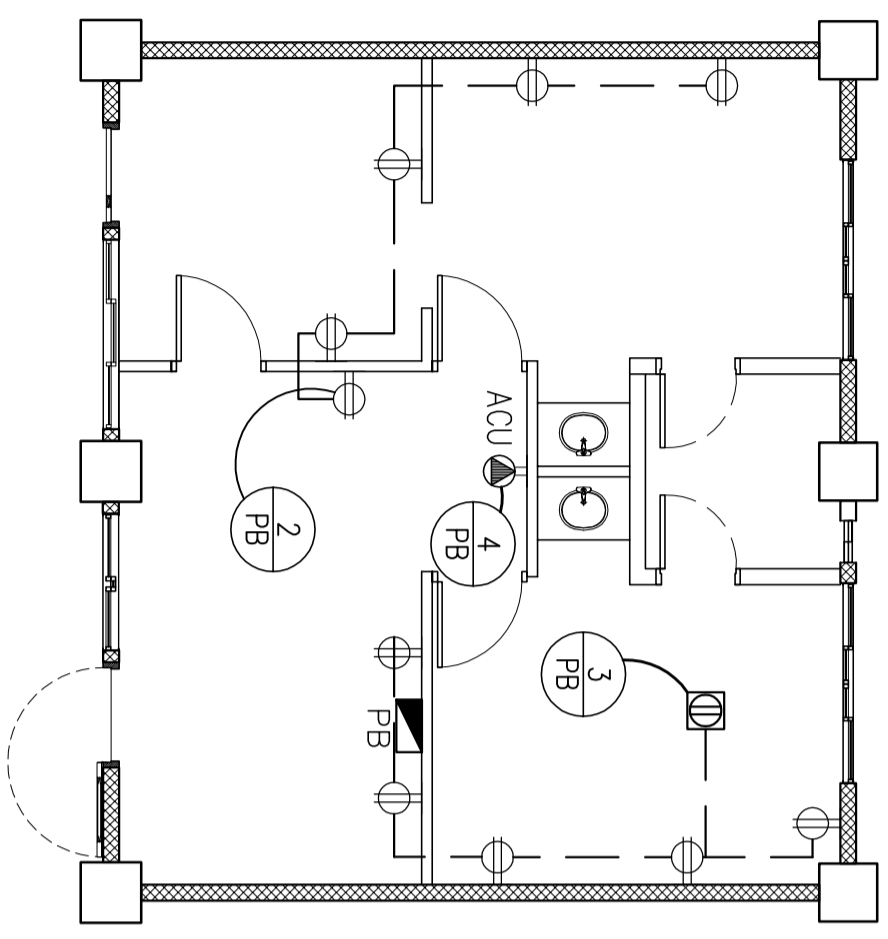
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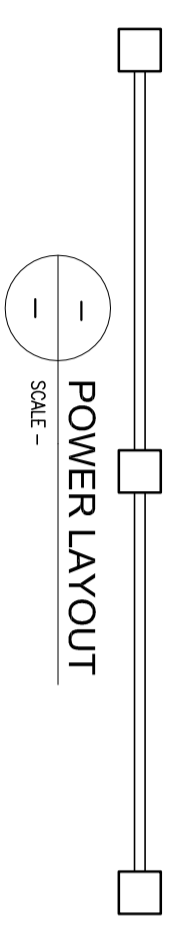
3-E1 SCHEDULE OF LOADS AND COMPUTATION

PANELBOARD "PB"

CKT. NO.	LOAD DESCRIPTION	VA PER CKT.	VOLTS	BRANCH CKT. BREAKER			SIZE OF HOMERUN (WIRES IN CONDUIT)
				AF	P	AT	
1	LIGHT OUTLETS 14 x 80w 1 x 18w	1423	230	50	2	20	2-3.5mm ² THHN IN 20mm \varnothing PVC
2	CONVENIENCE OUTLETS 6 x 180w	1350	230	50	2	20	2-3.5mm ² THHN + 1-3.5mm ² TW(G) IN 20mm \varnothing PVC
3	CONVENIENCE OUTLETS 6 x 180w	1350	230	50	2	20	2-3.5mm ² THHN + 1-3.5mm ² TW(G) IN 20mm \varnothing PVC
4	ACU-5HP	8050	230	50	2	50	2-8.0mm ² THHN + 1-3.5mm ² TW(G) IN 25mm \varnothing PVC
TOTAL		12173	MACB: 100AF, 2P, 230V, 70AT, 15KAIC				
$I @ 100\% DF = \left(\frac{12173}{230}\right) 1.00 + 0.25(28) = 59.93 \text{ AMP}$							
USE: 2-14mm ² THHN + 1-5.5mm ² TW(G) IN 25mm \varnothing RSC							

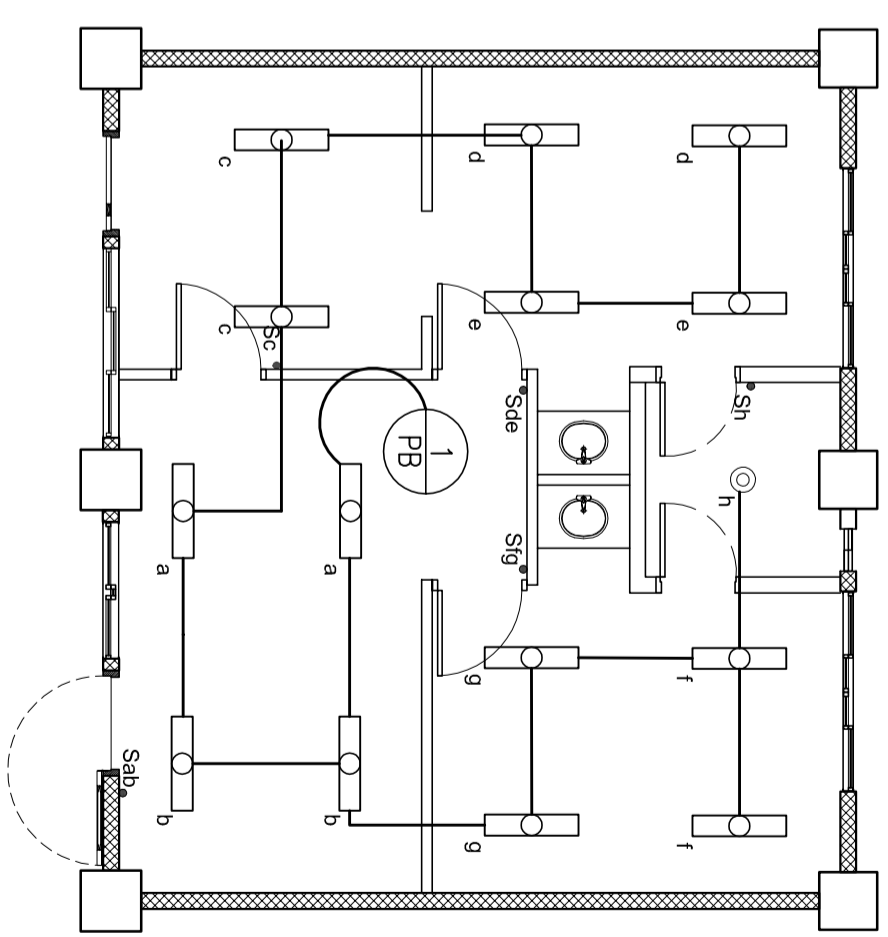


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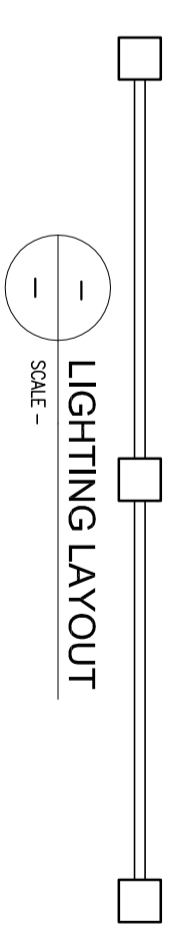


POWER LAYOUT

SCALE -

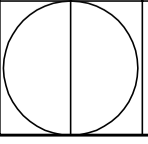


HALLWAY



LIGHTING LAYOUT

SCALE -



3-E1 SCHEDULE OF LOADS AND COMPUTATION

PANELBOARD "PB"

CKT. NO.	LOAD DESCRIPTION	VA PER CKT.	VOLTS	BRANCH CKT. BREAKER			SIZE OF HOMERUN (WIRES IN CONDUIT)
				AF	P	AT	
1	LIGHT OUTLETS 14 x 80w 1 x 18w	1423	230	50	2	20	2-3.5mm ² THHN IN 20mm \varnothing PVC
2	CONVENIENCE OUTLETS 5 x 180w	1125	230	50	2	20	2-3.5mm ² THHN + 1-3.5mm ² TW(G) IN 20mm \varnothing PVC
3	CONVENIENCE OUTLETS 6 x 180w	1350	230	50	2	20	2-3.5mm ² THHN + 1-3.5mm ² TW(G) IN 20mm \varnothing PVC
4	ACU-5HP	8050	230	50	2	50	2-8.0mm ² THHN + 1-3.5mm ² TW(G) IN 25mm \varnothing PVC
TOTAL			11948	MACB: 100AF, 2P, 230V, 70AT, 15KAIC			

$$I @ 100\% DF = \left(\frac{11948}{230} \right) 1.00 + 0.25(28) = 58.95 \text{ AMP}$$
 USE: 2-14mm² THHN + 1-5.5mm² TW(G) IN 25mm \varnothing RSC

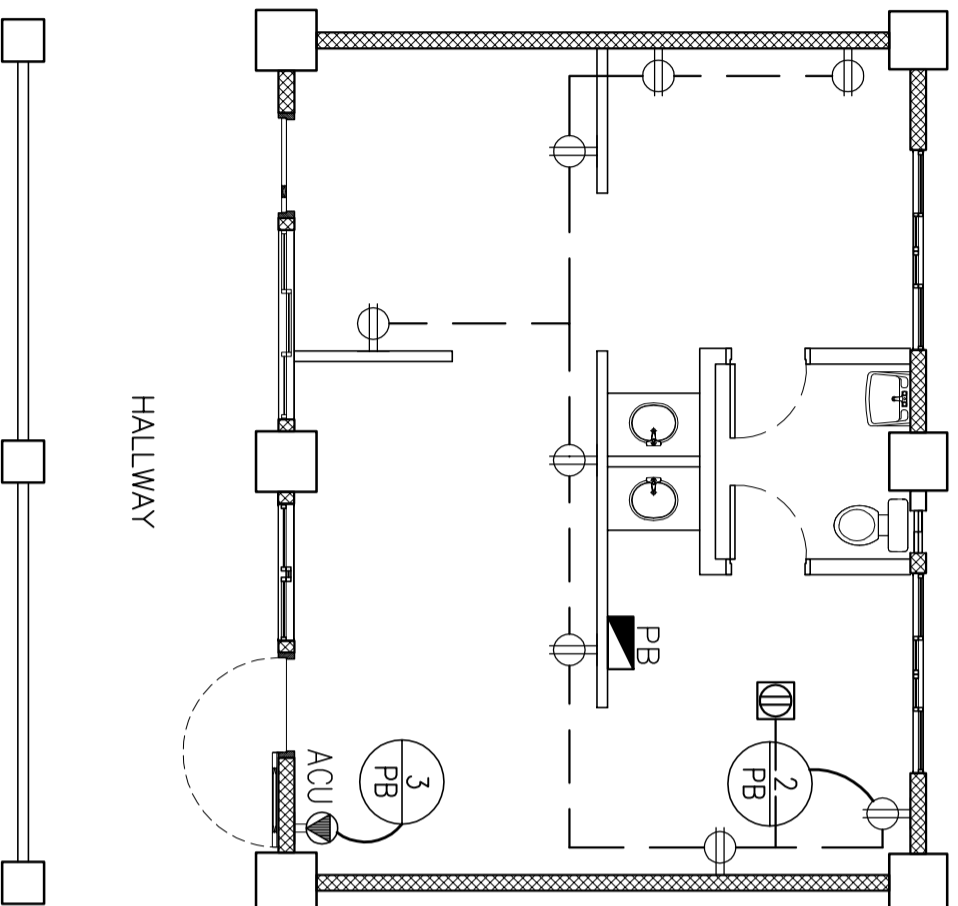
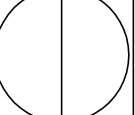
PROJECT TITLE :

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (6M x 8M)

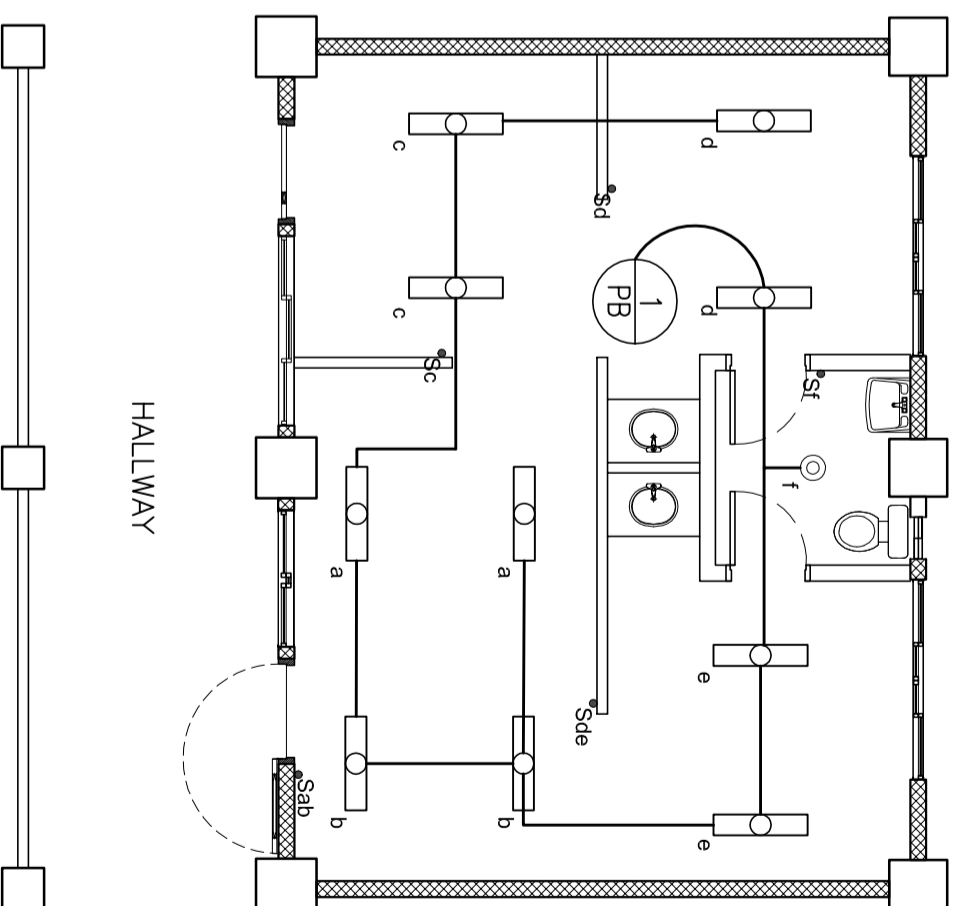
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 ELECTRICAL LAYOUT

SHEET NO.:



POWER LAYOUT
 SCALE -



LIGHTING LAYOUT
 SCALE -

3-E1 SCHEDULE OF LOADS AND COMPUTATION

PANELBOARD "PB"

CKT. NO.	LOAD DESCRIPTION	VA PER CKT.	VOLTS	BRANCH CKT. BREAKER			SIZE OF HOMERUN (WIRES IN CONDUIT)
				AF	P	AT	
1	LIGHT OUTLETS 10 x 80w 1 x 18w	1023	230	50	2	20	2-3.5mm ² THHN IN 20mm \emptyset PVC
2	CONVENIENCE OUTLETS 9 x 180w	2025	230	50	2	20	2-3.5mm ² THHN + 1-3.5mm ² TW(G) IN 20mm \emptyset PVC
3	ACU-3HP	4888	230	50	2	40	2-5.5mm ² THHN + 1-3.5mm ² TW(G) IN 20mm \emptyset PVC
4	SPARE	1500	230	50	2	20	20mm \emptyset PVC STUBOUT
TOTAL			9436	MACB: 100AF, 2P, 230V, 60AT, 15KAIC			
$I @ 100\% DF = \left(\frac{9436}{230} \right) 1.00 + 0.25(17) = 45.28 \text{ AMP}$							
USE: 2-14mm ² THHN + 1-5.5mm ² TW(G) IN 25mm \emptyset RSC							

PROJECT TITLE :

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (7M X 9M)

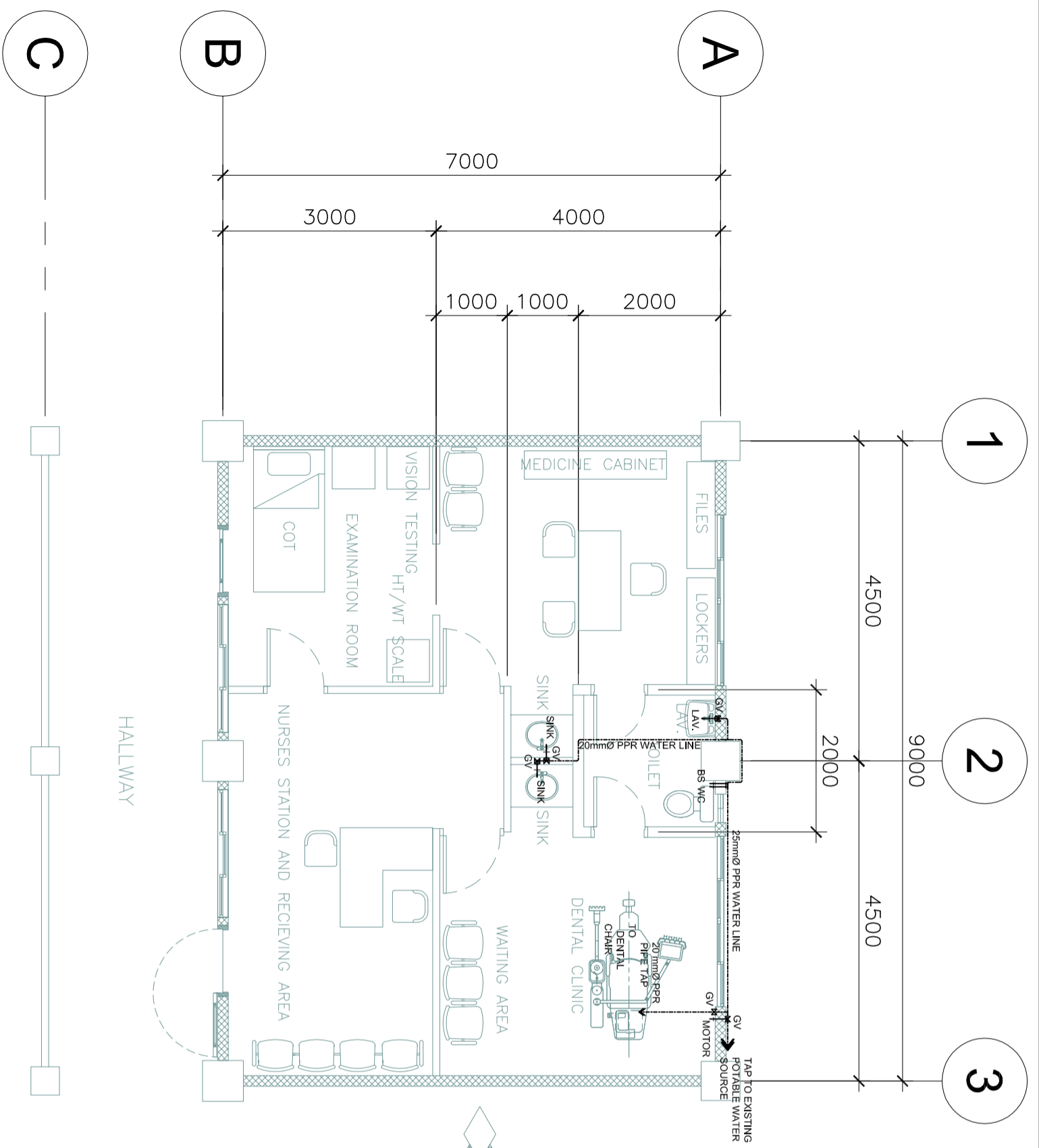
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DEPARTMENT OF EDUCATION
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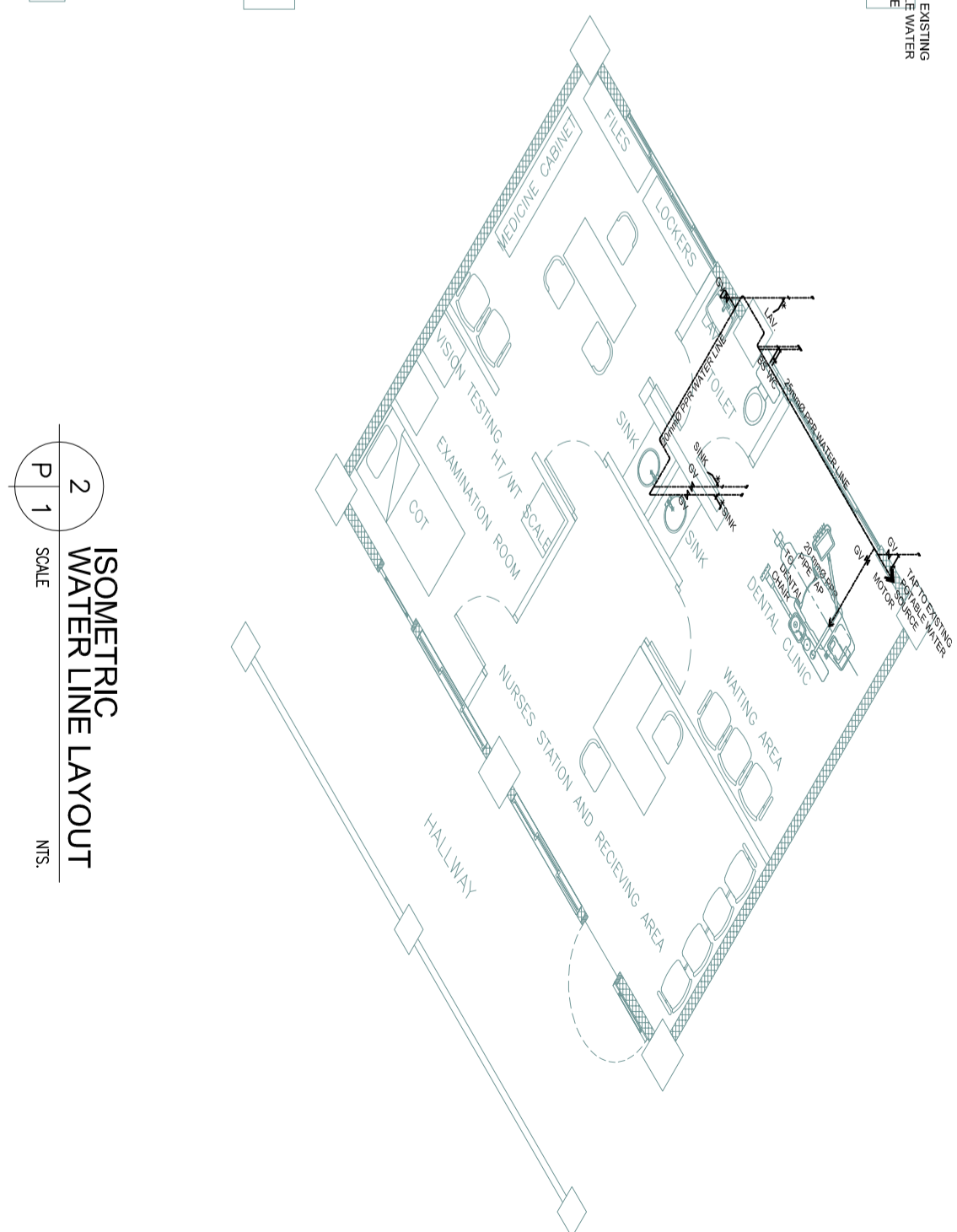
SHEET NO.:

SHEET CONTENTS :

PLUMBING LAYOUT



1 WATER LINE LAYOUT
 SCALE 1:100 MTS.



2 ISOMETRIC WATER LINE LAYOUT
 SCALE MTS.

PROJECT TITLE :

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (7M X 9M)

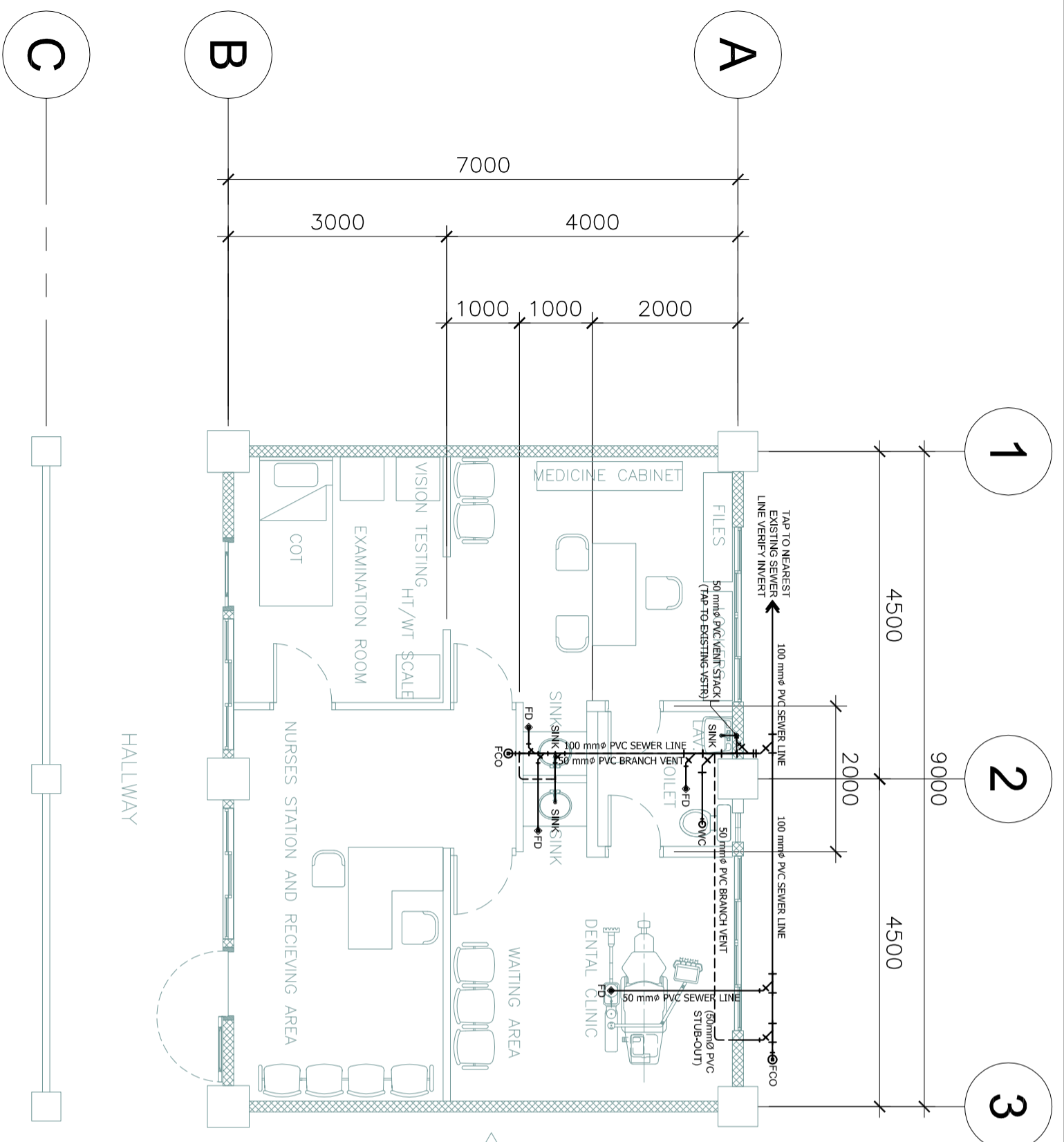
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DEPARTMENT OF EDUCATION
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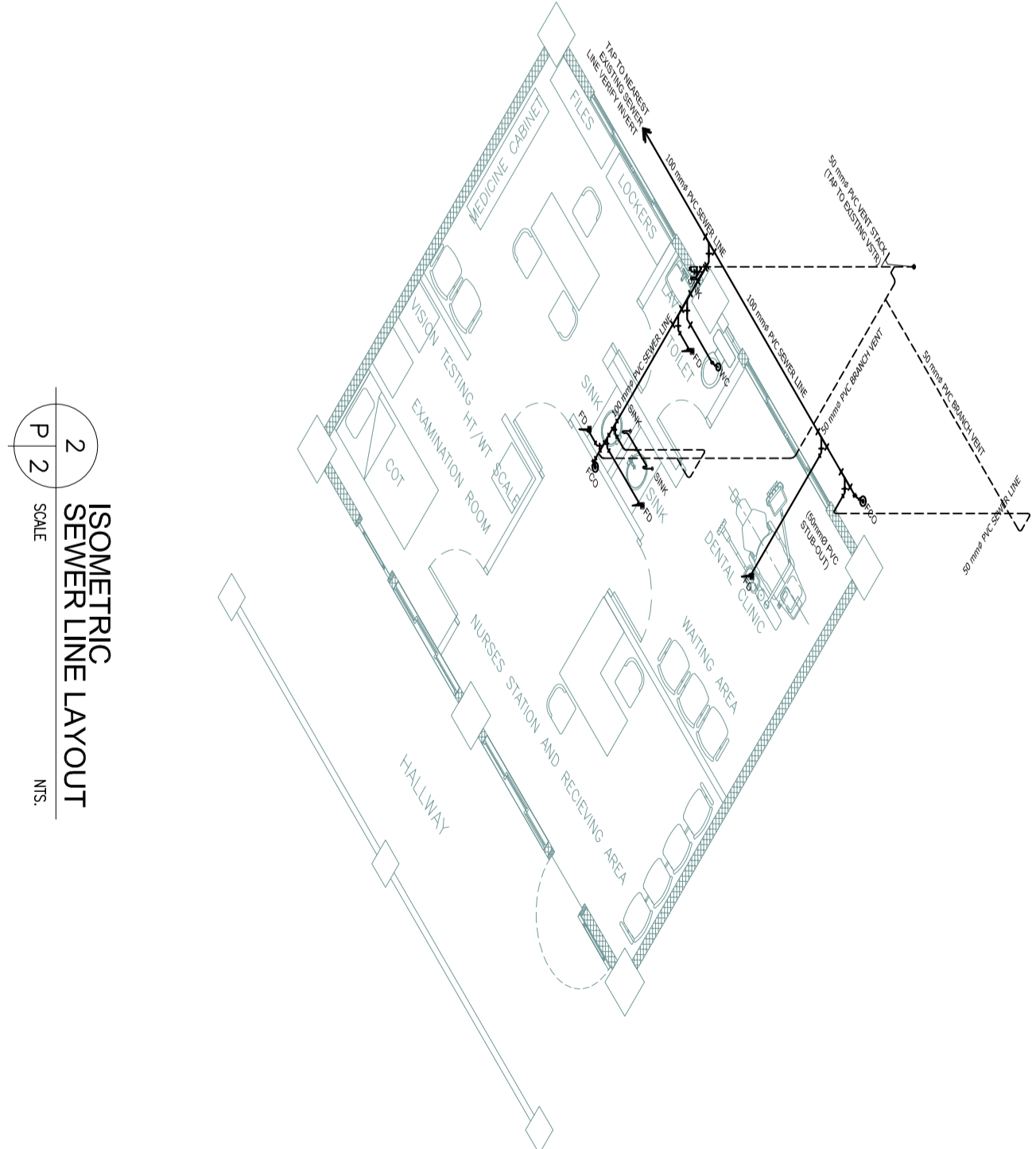
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SHEET CONTENTS :

PLUMBING LAYOUT



1 SEWER LINE LAYOUT
 SCALE 1:100 MTS.



2 ISOMETRIC SEWER LINE LAYOUT
 SCALE MTS.

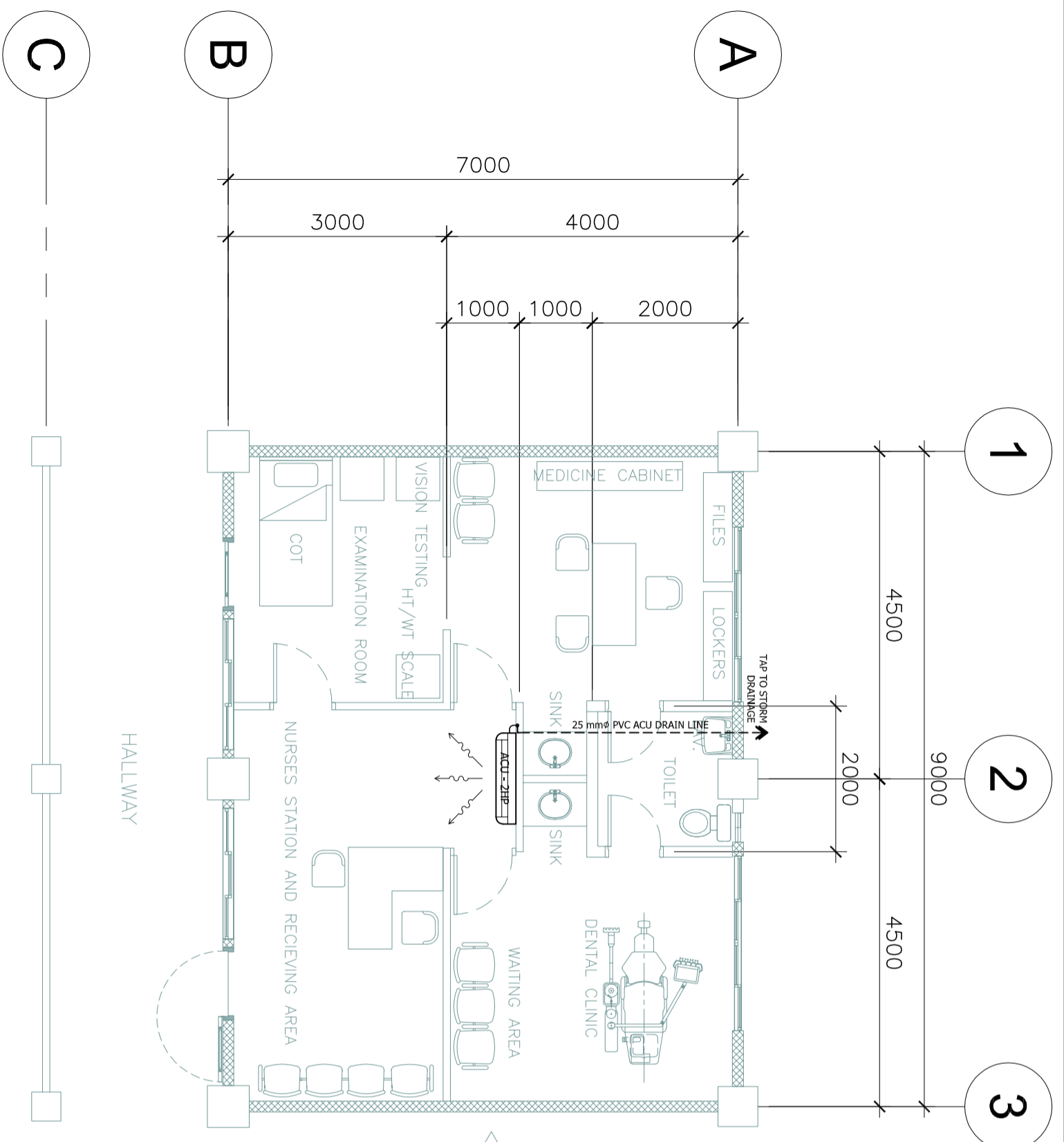
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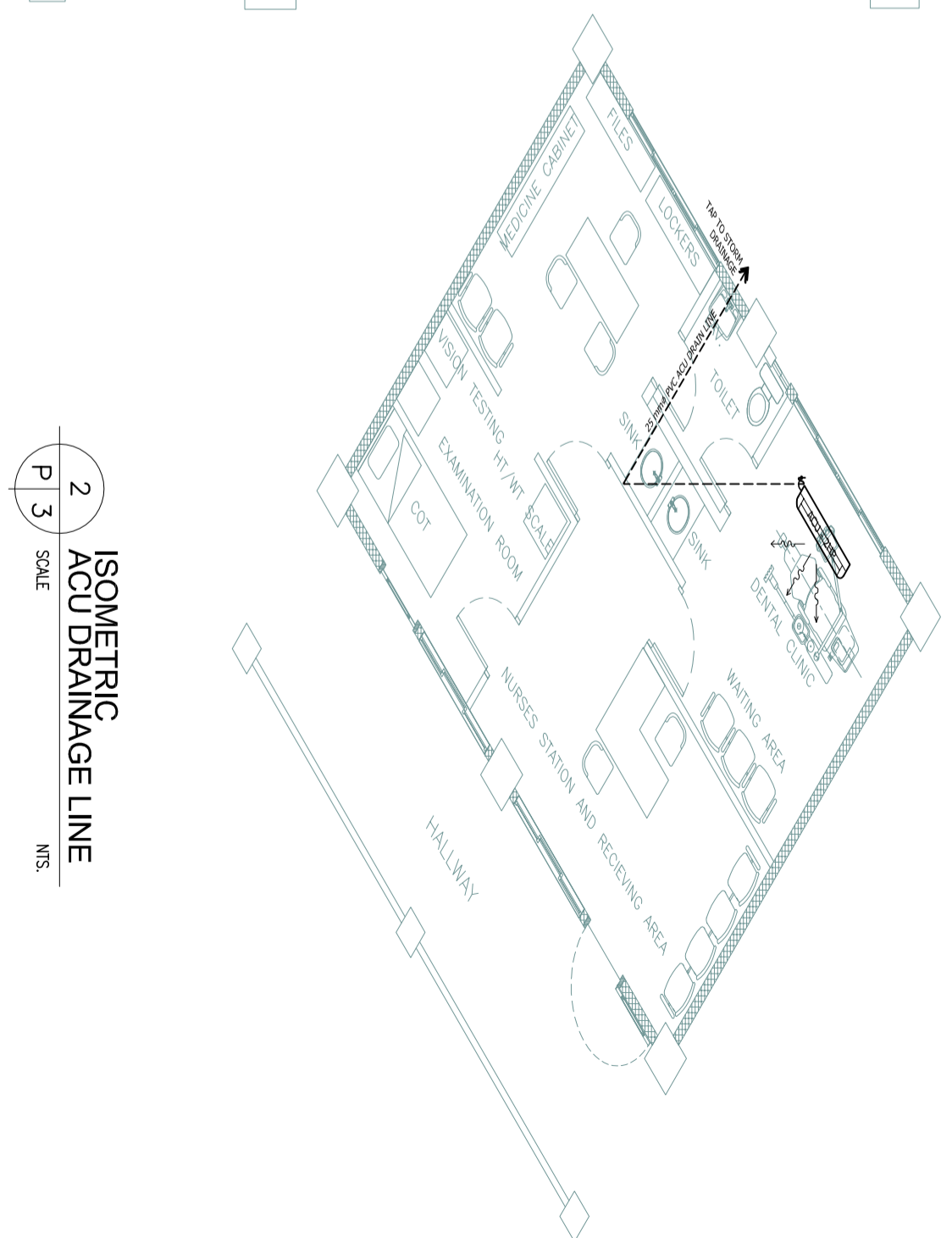
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DEPARTMENT OF EDUCATION
DepED
 PLUMBING LAYOUT

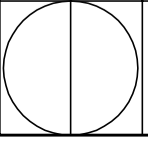
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1
 ACU DRAINAGE LINE
 SCALE 1:100 MTS.



2
 ISOMETRIC
 ACU DRAINAGE LINE
 SCALE MTS.



PROJECT TITLE :

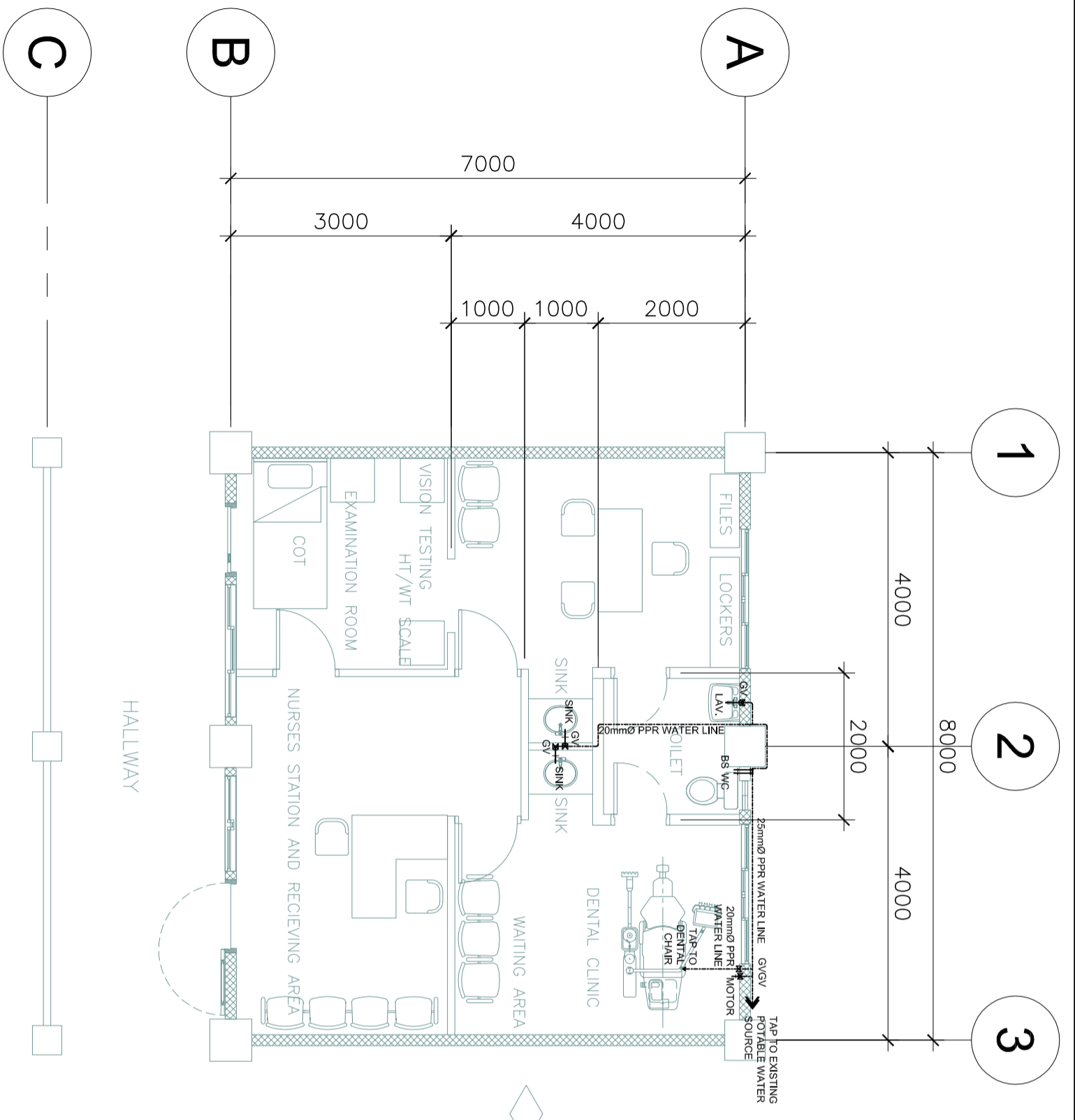
LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (7M X 8M)

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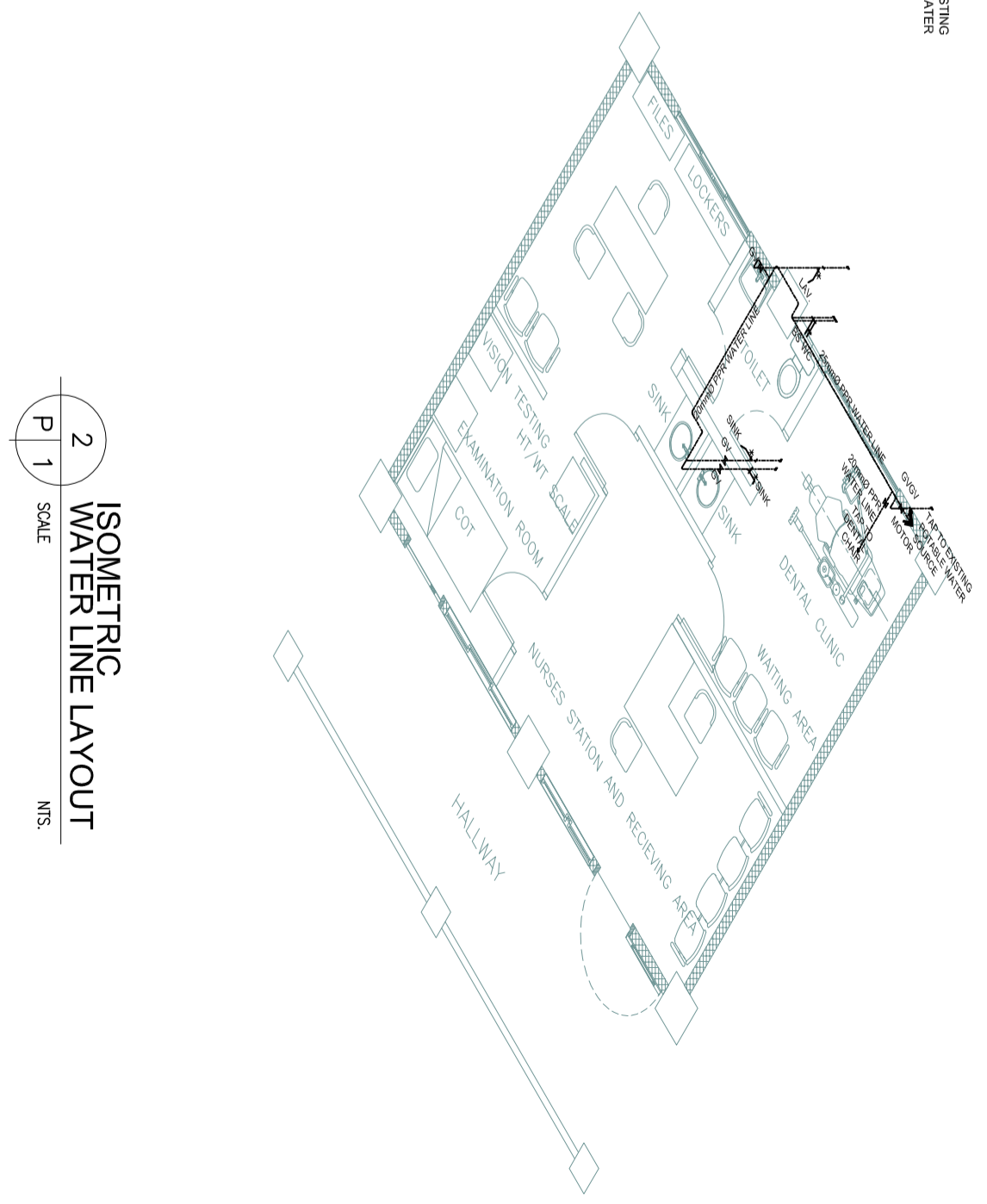
DEPARTMENT OF EDUCATION
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SHEET NO.:

SHEET CONTENTS :
 PLUMBING LAYOUT



1 WATER LINE LAYOUT
 SCALE 1:100 MTS.



2 ISOMETRIC WATER LINE LAYOUT
 SCALE NTS.

PROJECT TITLE :

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (7M X 8M)

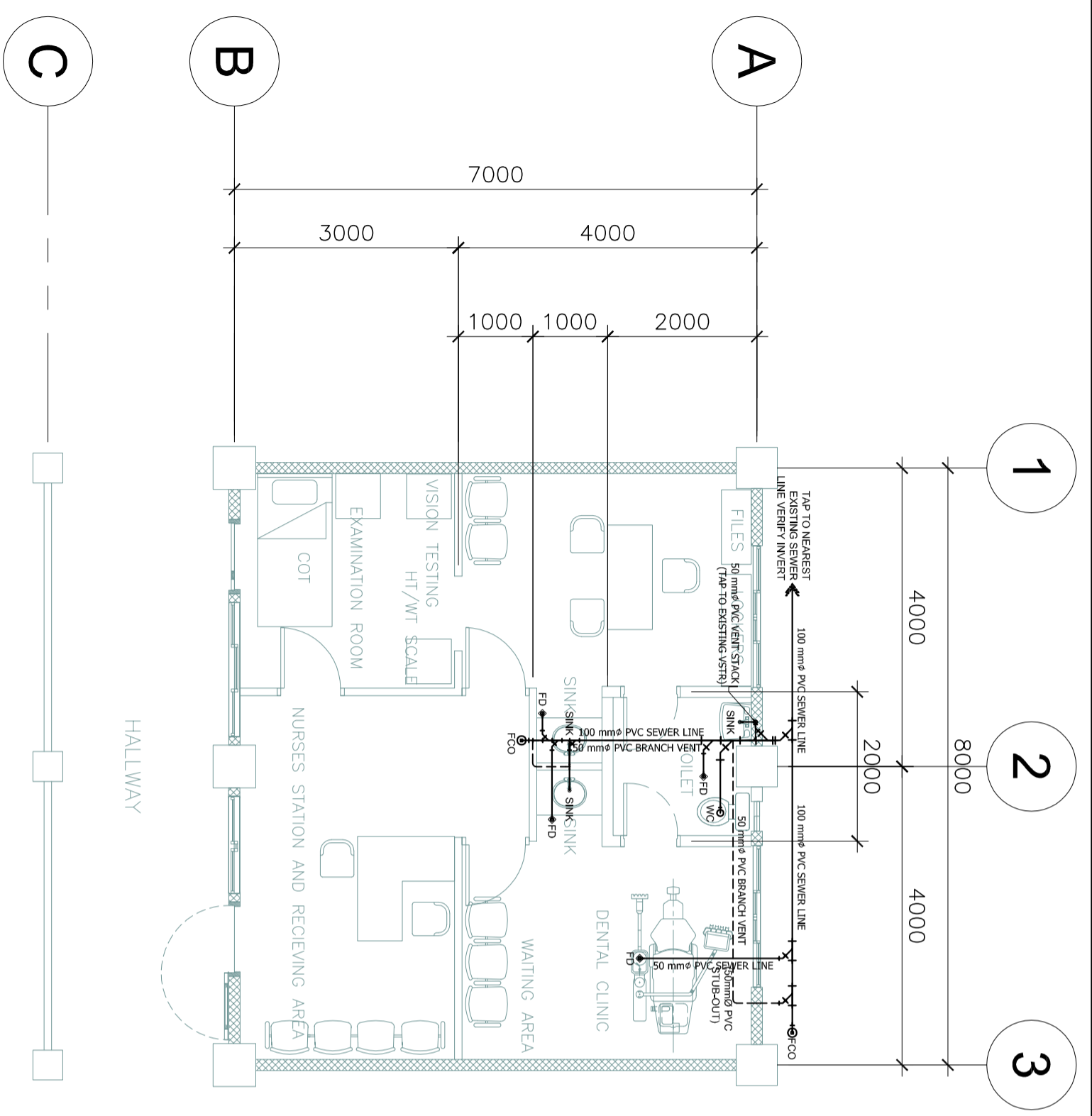
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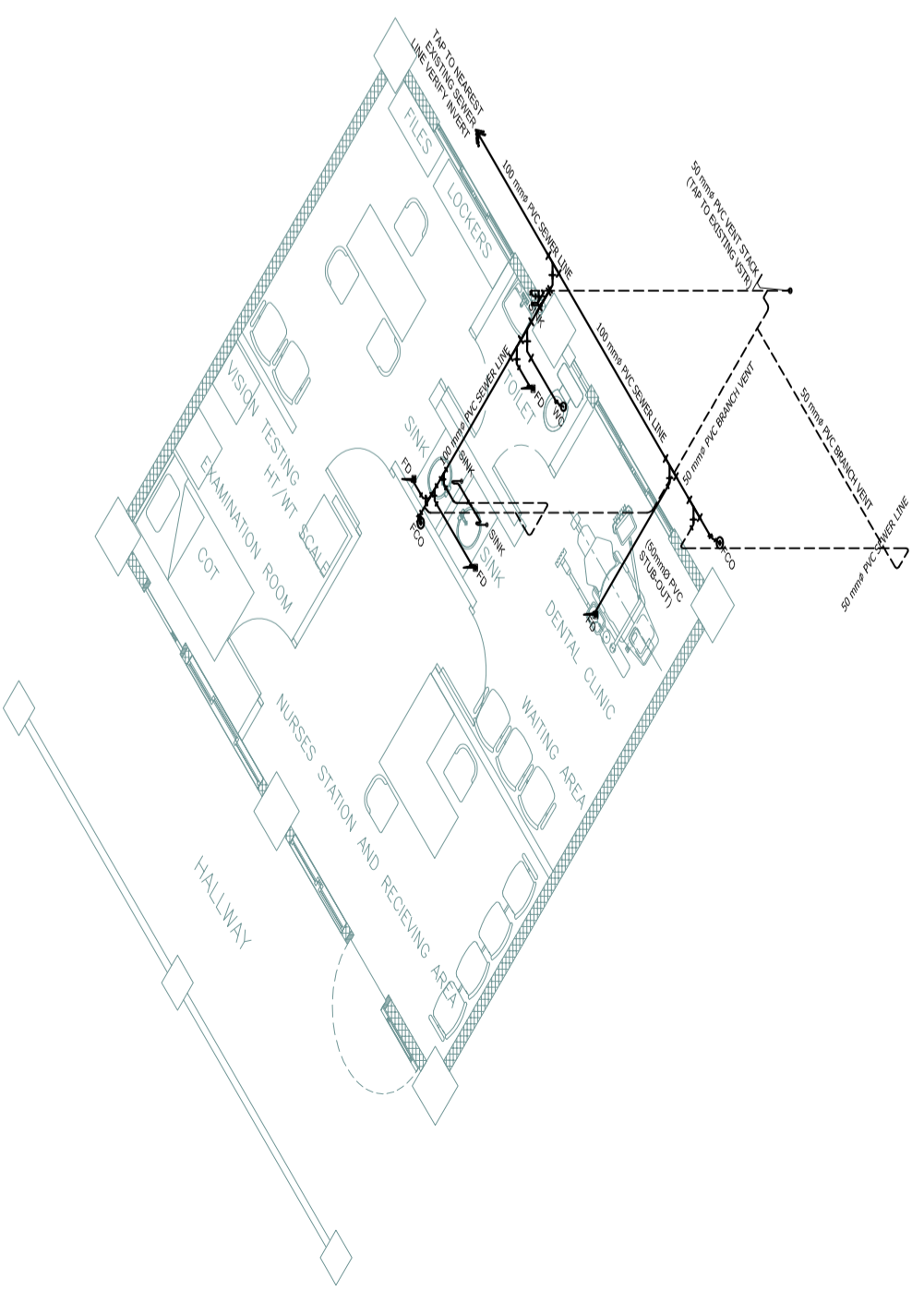
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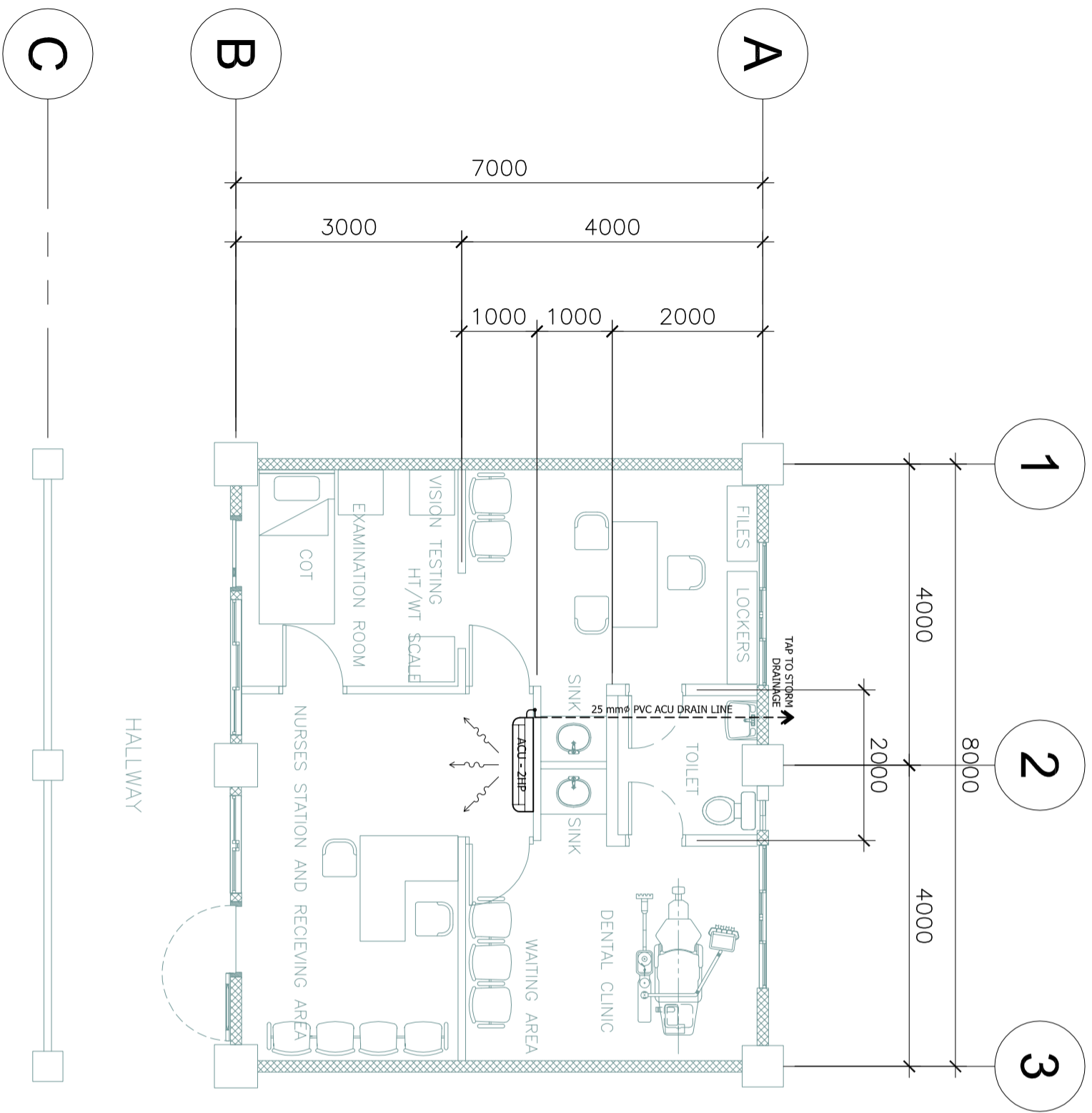
PLUMBING LAYOUT



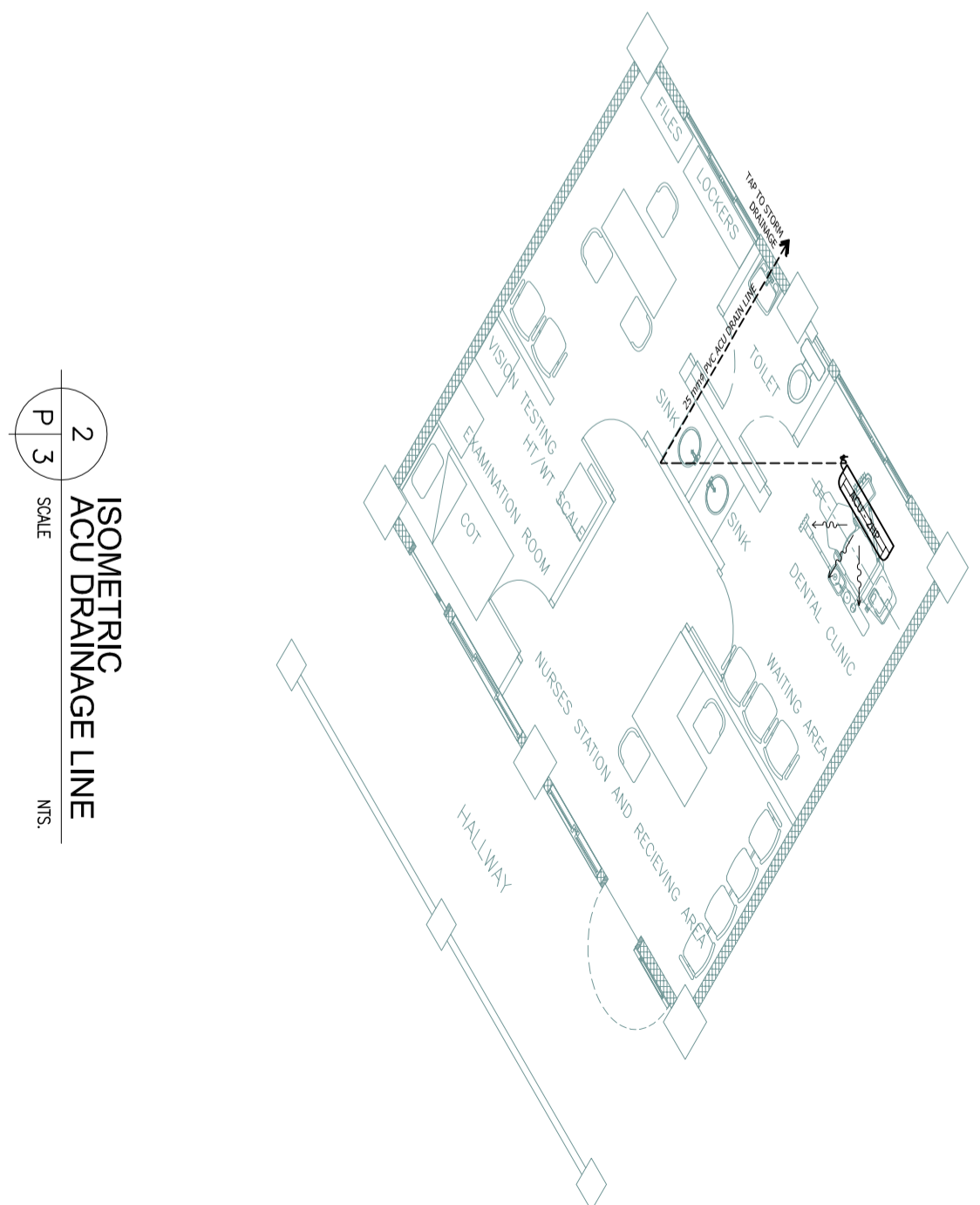
1 SEWER LINE LAYOUT
 SCALE 1:100 MTS.



2 ISOMETRIC SEWER LINE LAYOUT
 SCALE NTS.

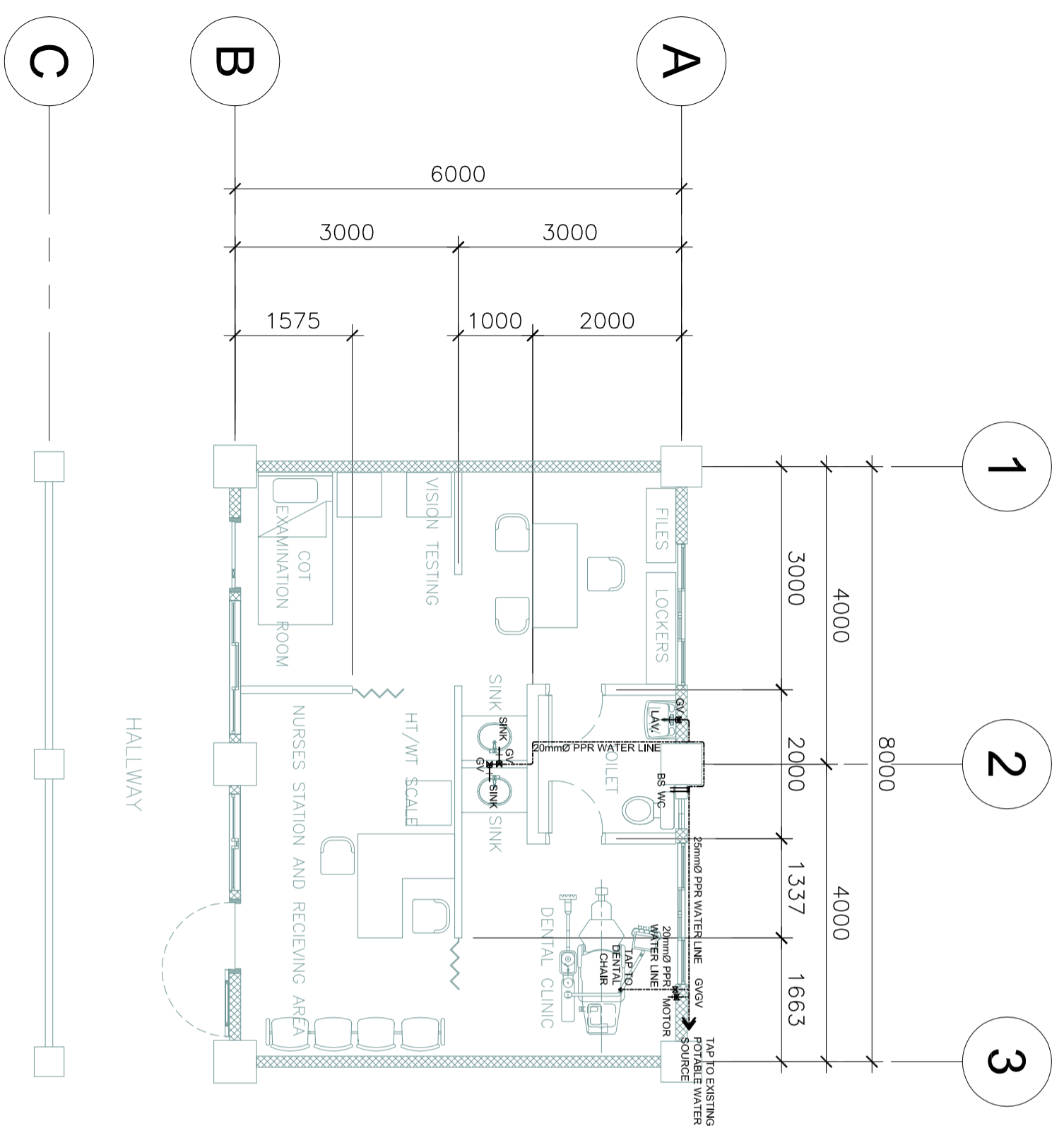



1 ACU DRAINAGE LINE
 SCALE 1:100 MTS.

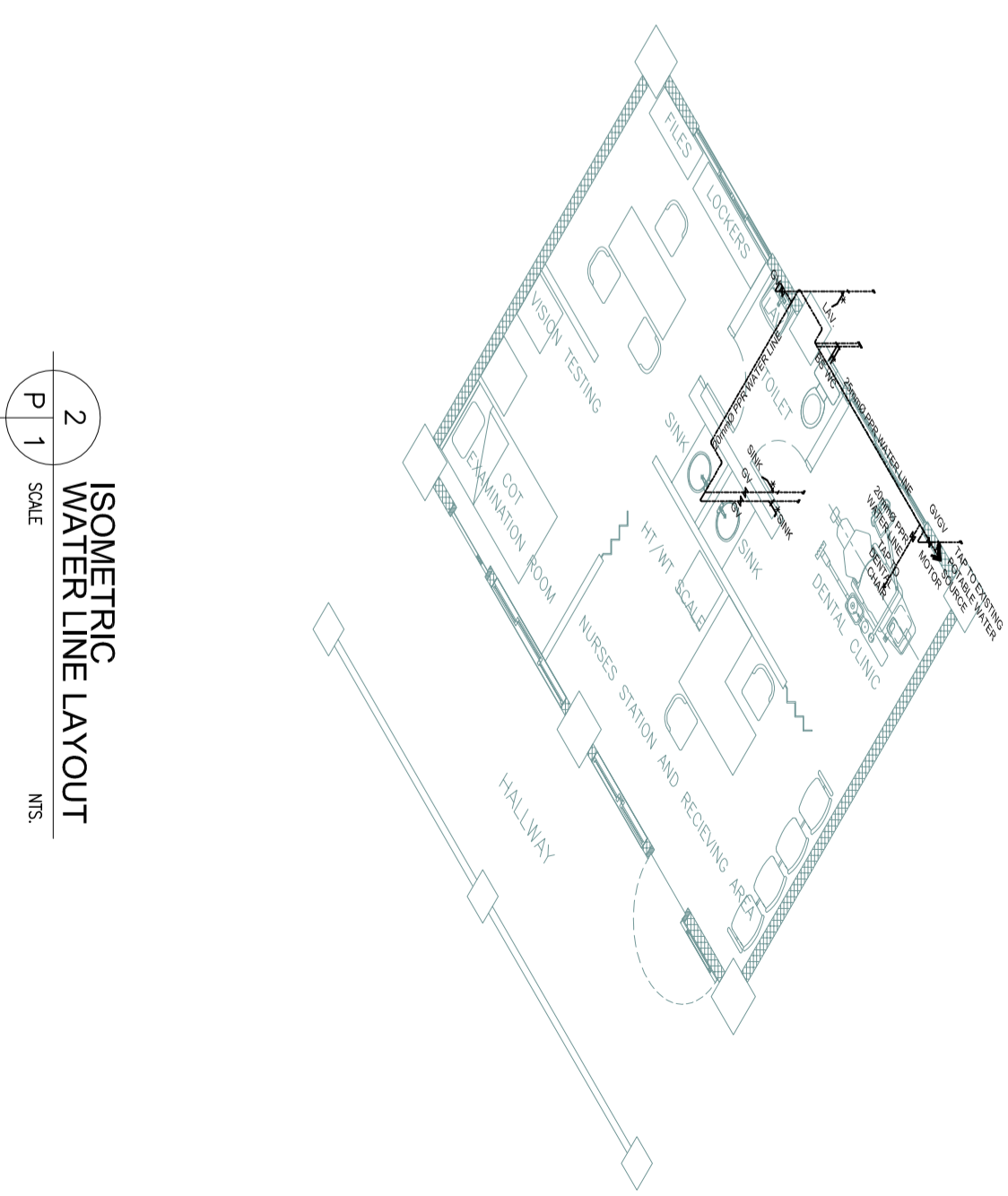



2 ISOMETRIC ACU DRAINAGE LINE
 SCALE 1:100 MTS.

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (6M X 8M)

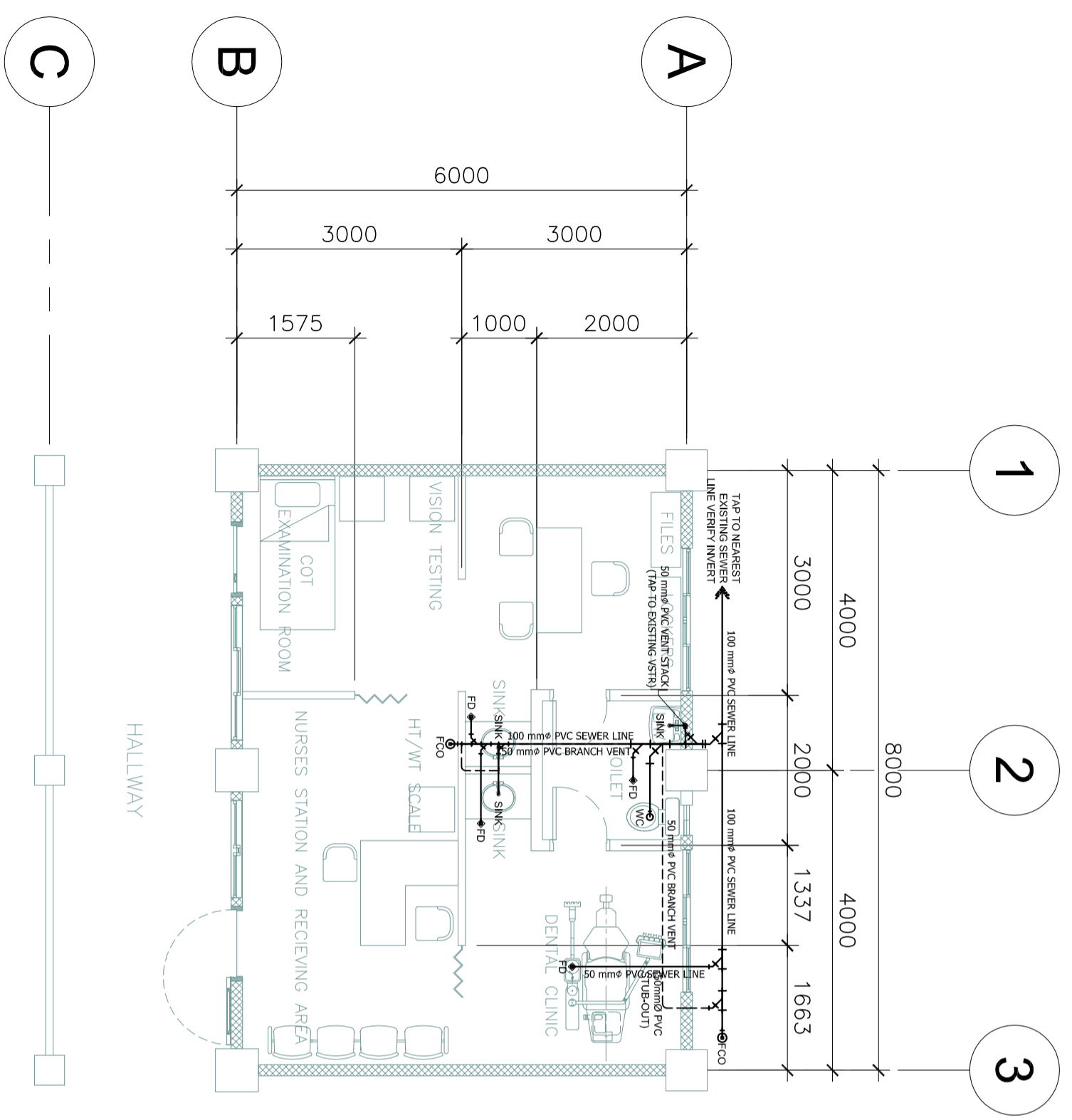



1 WATER LINE LAYOUT
 SCALE 1:100 MTS.

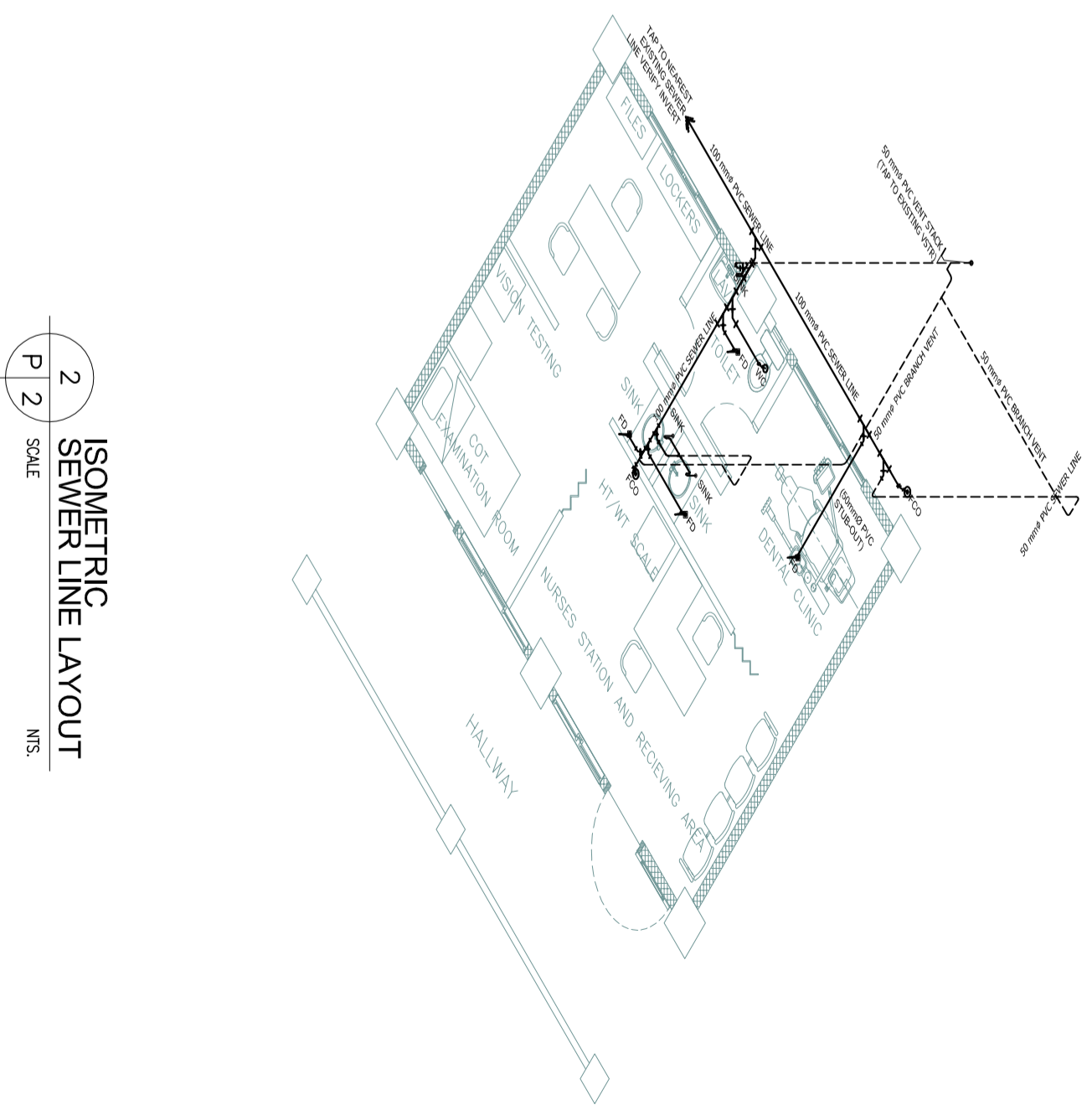



2 ISOMETRIC WATER LINE LAYOUT
 SCALE 1:100 MTS.

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (6M X 8M)

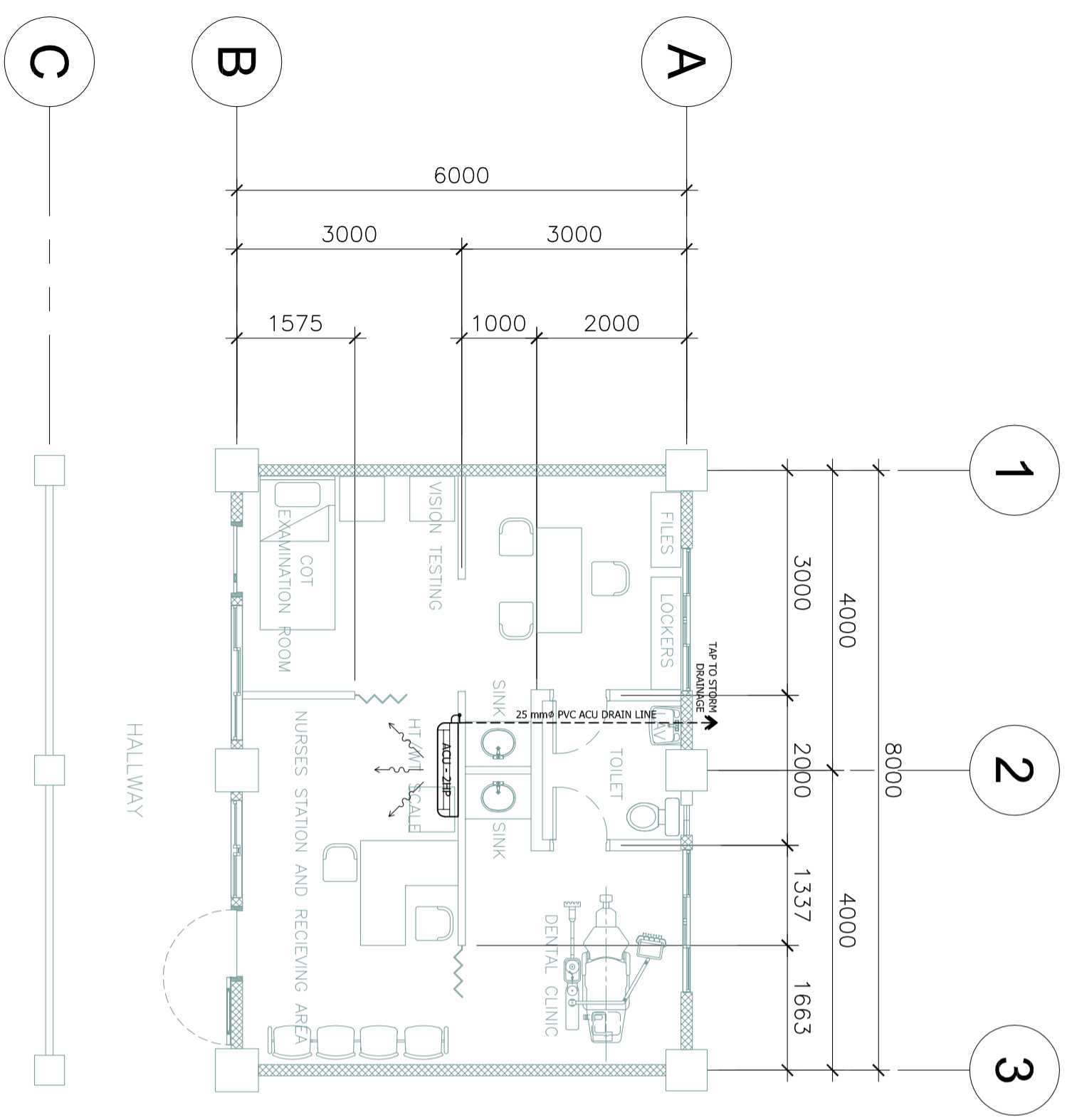


1
 P 2
 SCALE
 1:100 MTS.
SEWER LINE LAYOUT

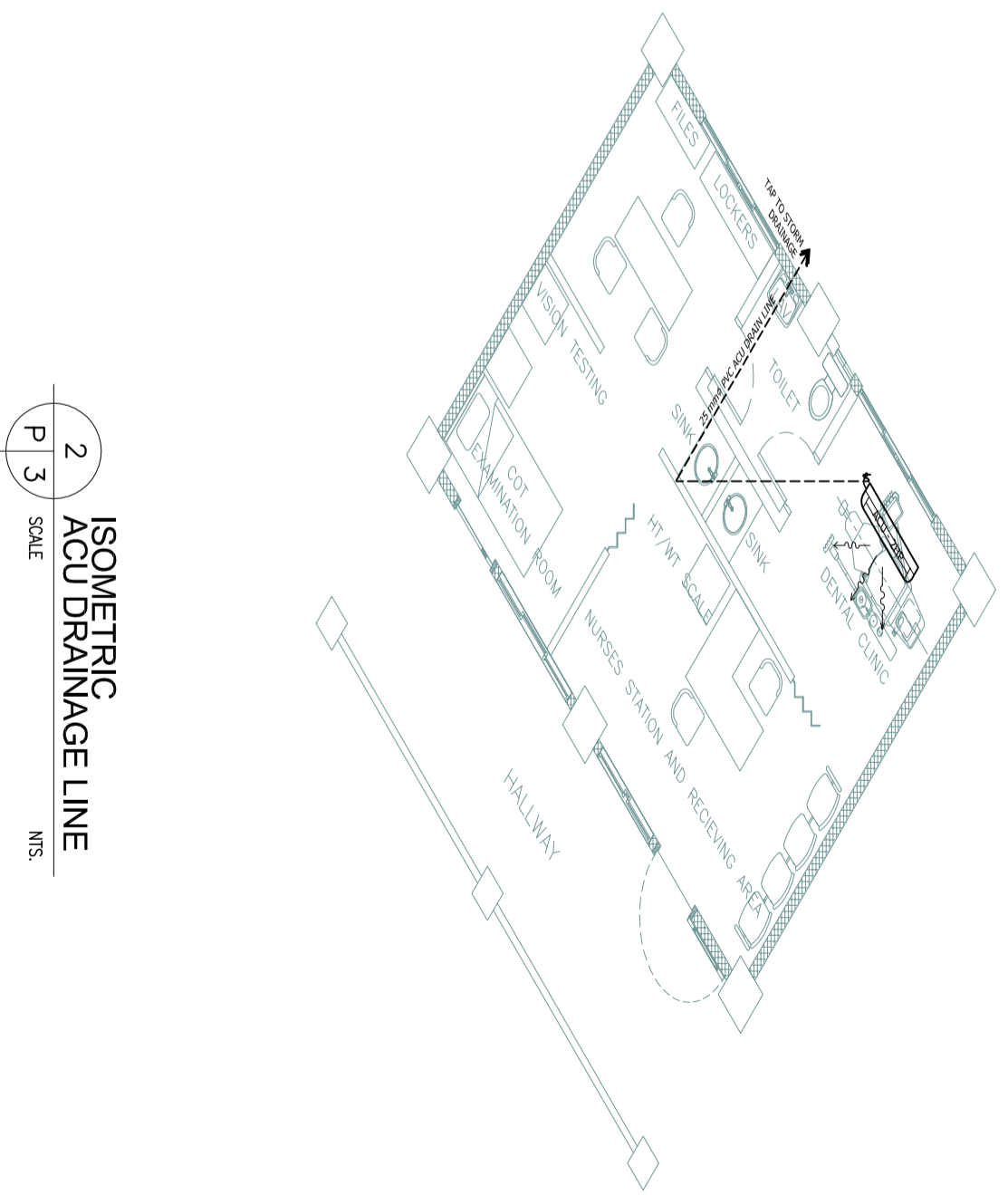


2
 P 2
 SCALE
 MTS.
ISOMETRIC SEWER LINE LAYOUT

LAYOUT OF CLASSROOMS TO BE USED/ CONVERTED TO DENTAL / MEDICAL CLINIC (6M X 8M)




1 ACU DRAINAGE LINE
 SCALE 1:100 MTS.




2 ISOMETRIC ACU DRAINAGE LINE
 SCALE MTS.