



ASEC OFFICE

4 - St - Mohamed Meklaad
Nasr City - Cairo - Egypt

002 - 0109 34 6 06 18
002 - 0100 22 7 33 23

mep.team@asec.work
ahmedshuhayb6@gmail.com

https://asec.work/

PROJECT NAME

CLIENT NAME
HASSAN WAHEED

GENERAL CONSULTANT
AHMED SHUHAYP

GENERAL CONTRACTOR

SHEET TITLE

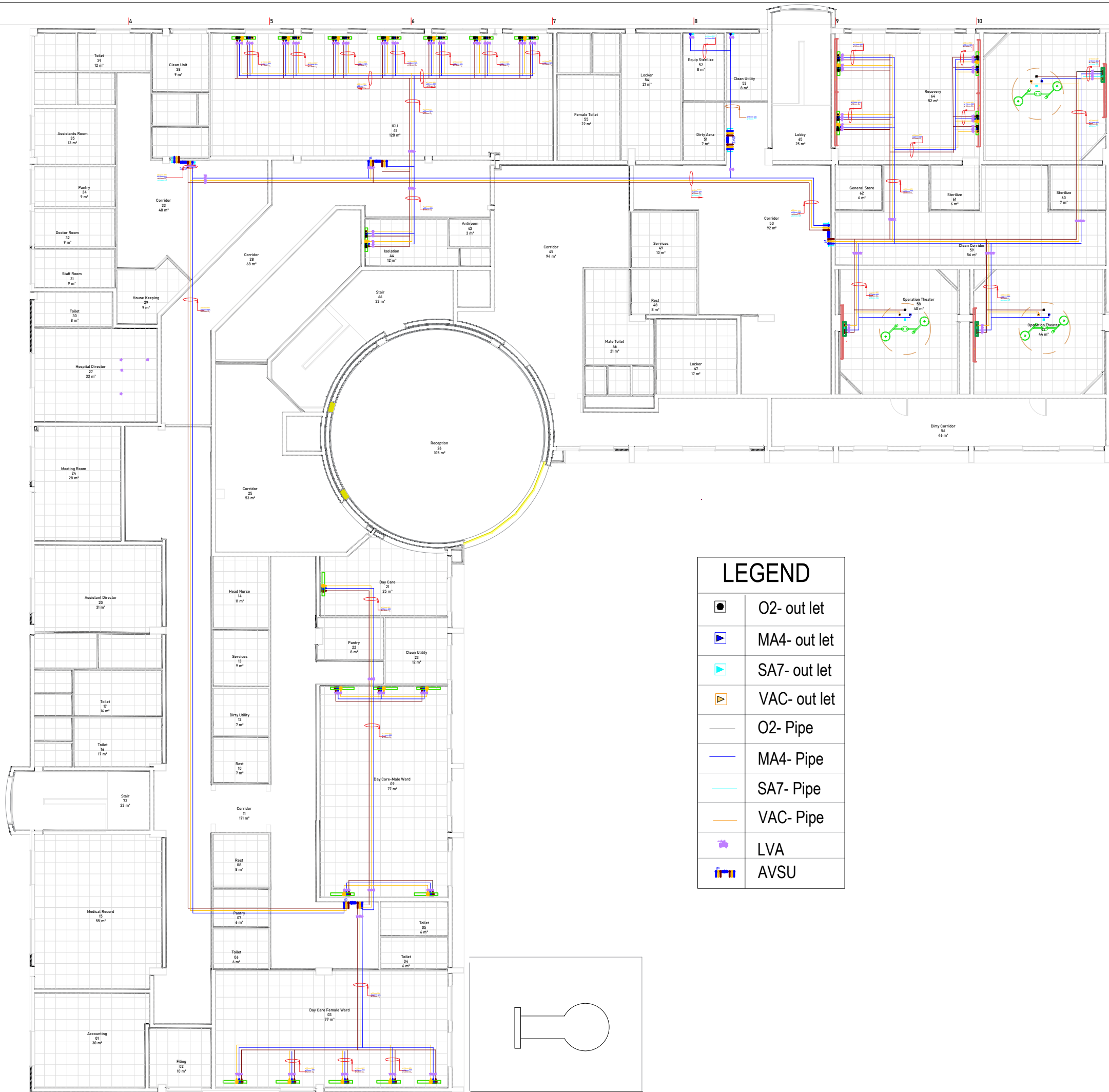
DESIGN BY
AHMED ATA

CHECKED BY
HASSAN WAHEED

SCALE SHEET NO

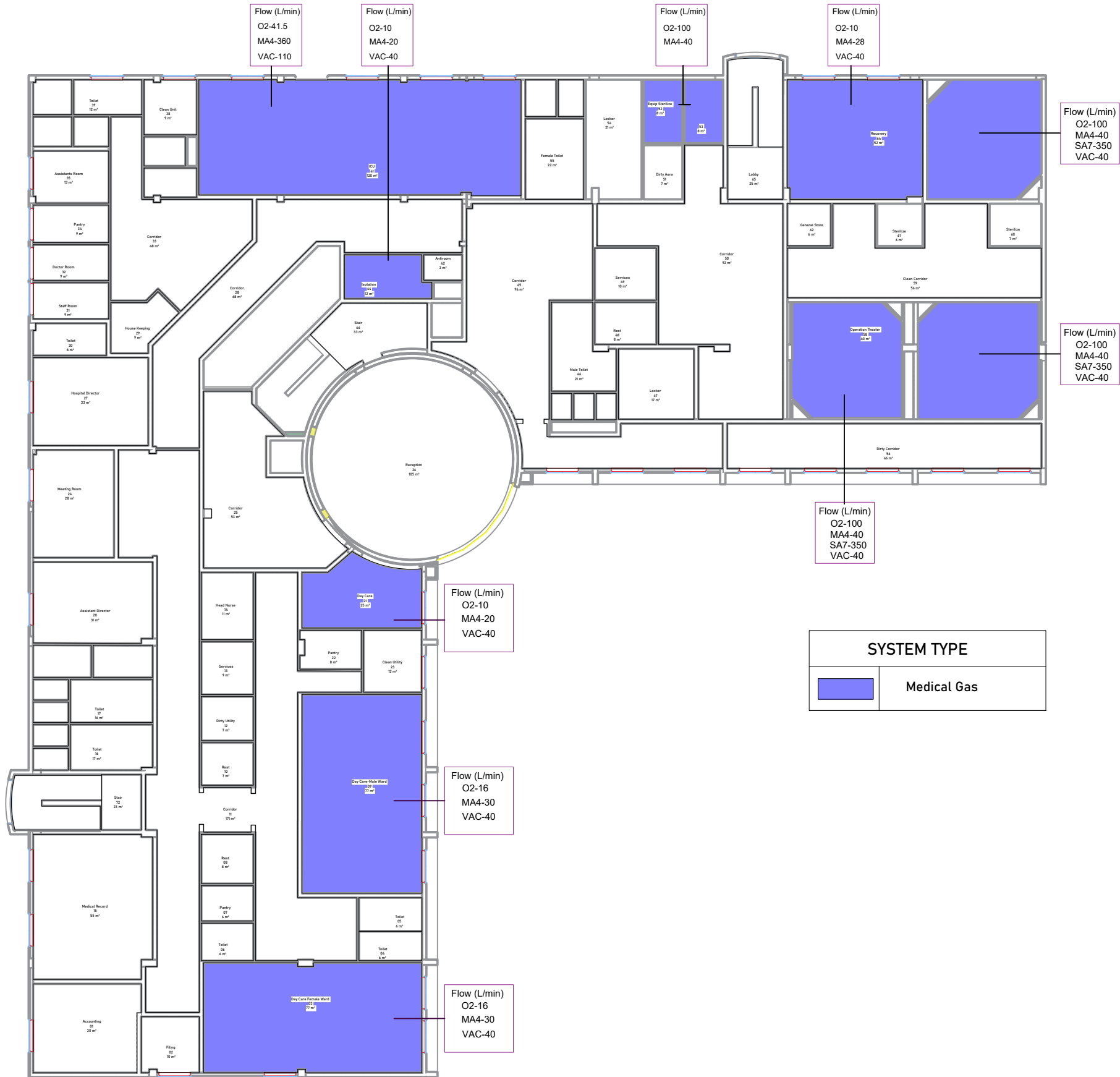
DATE

ASEC OFFICE COPYRIGHT



LEGEND

■	O2- out let
▣	MA4- out let
▢	SA7- out let
▤	VAC- out let
—	O2- Pipe
—	MA4- Pipe
—	SA7- Pipe
—	VAC- Pipe
Ⓛ	LVA
Ⓜ	AVSU



Ground Floor Plan - Medical Gas System



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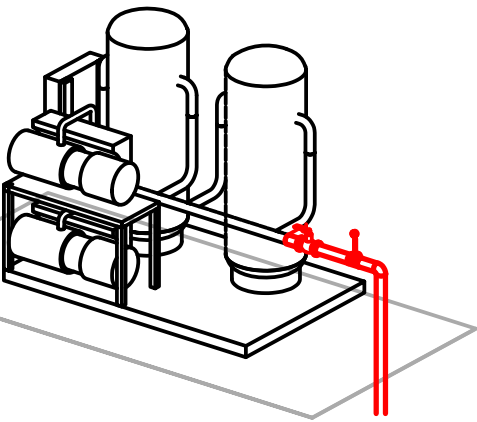
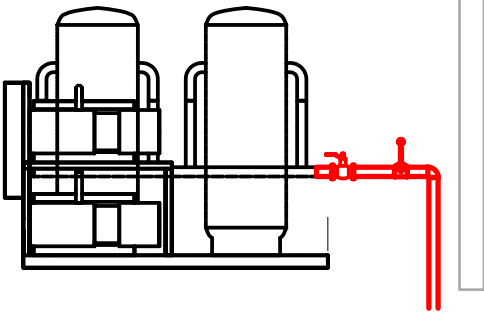
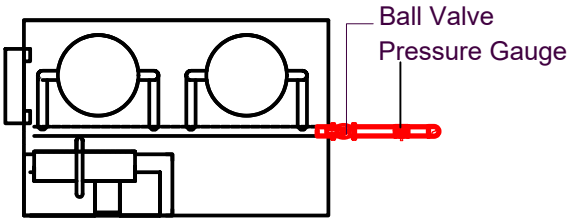
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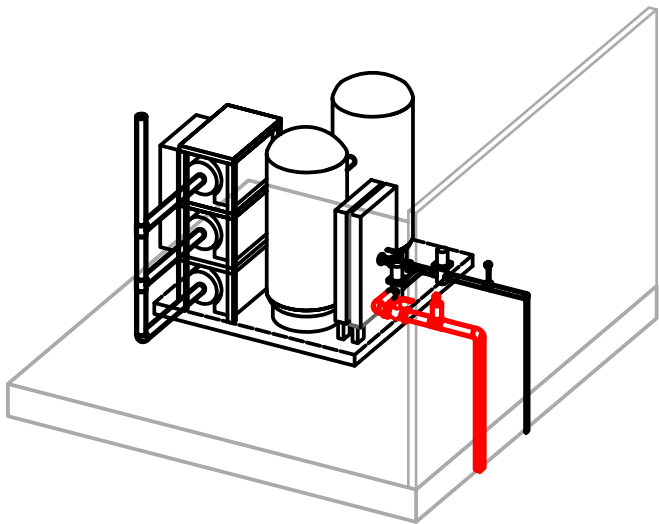
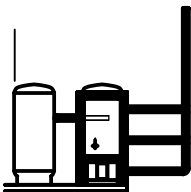
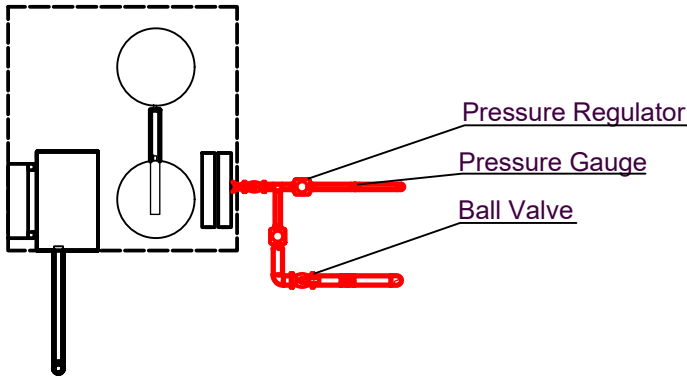
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DATE

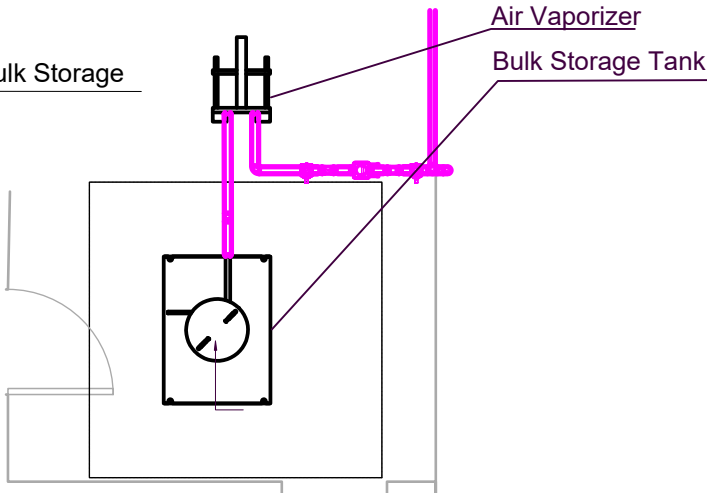
Vacuum Pump



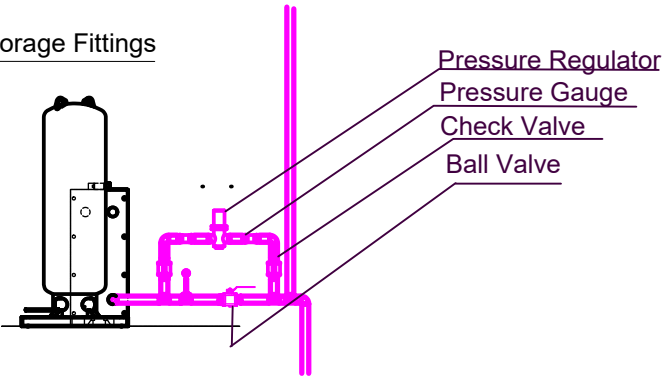
Compressor



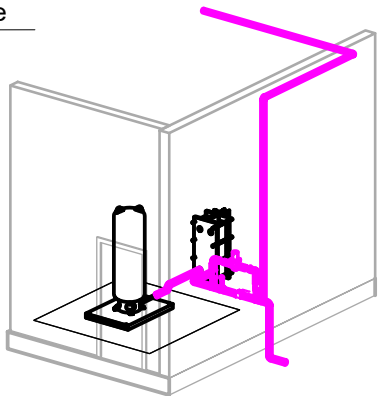
Bulk Storage



Storage Fittings



Bulk Storage



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PROJECT NAME

MEDICAL

CLIENT NAME

AHMED ATA

GENERAL CONSULTANT

AHMED SHUHAYP

GENERAL CONTRACTOR

HASSAN WAHEED

SHEET TITLE

Medical

DESIGN BY

AHMED ATA

CHECKED BY

HASSAN WAHEED

SCALE

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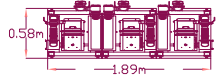
02 - Secondary Liquid 02- Third

MA Third
(4-7)bar
2-Bank
N.of -48


Gases Room
76
115 m²

LEGAND


VACUUM PUMPS SET



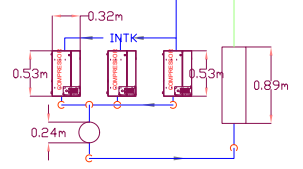
LIQUID OXYGEN BULK STORAGE




LIQUID OXYGEN CYLINDER




MEDICAL AIR COMPRESSORS




COMPRESSED GAS CYLINDER

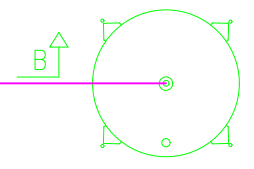


GASES MANIFOLD



ISOLATING VALVE





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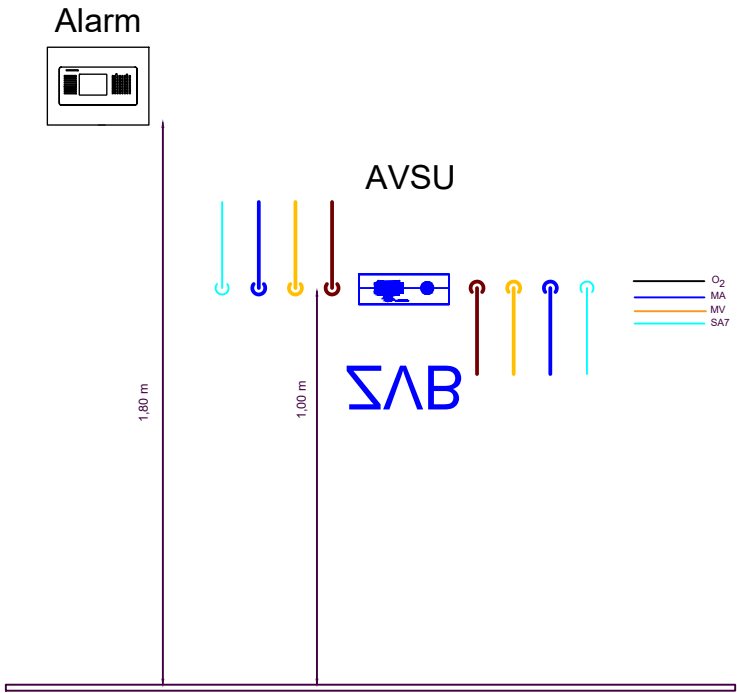
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Gas Type	Flow(L/min)	Calculation		
		N.Of Cylinder		Volume Req
O2- Gas	437.5	P	2x Bulk	_____
		S	18	105000 Litre
		T	12	69480 Litre

Gas Type	Flow(L/min)	Calculation		
		N.Of Cylinder		Volume Req
MA- Gas	637.5	P	_____	_____
		S	26	153000Litre
		T	20	121800Litre

Gas Type	Flow(L/min)	Calculation		
		N.Of Cylinder		Volume Req
SA- Gas	700	P	_____	_____
		S	28	168000 Litre
		T	28	168000 Litre



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