



**Project:** Temporary ICU |  
**Engineer:** Kevin Pugh | **Date:** 07/04/2026

## Summary

This report details the calculated medical gas diversified flow requirements for 2 hospital area(s) based on HTM 02-01 standards. Below are our recommendations for diversified flow and the general pipe sizes for the installation.

All pressure losses are calculated with an extra 25% on the measured length to account for valves and fittings in accordance with HTM02-01 Appendix G 13.

## Area Requirements

Area	Units	O <sub>2</sub> (L/min)	Med Air (L/min)	Vacuum (L/min)
Critical Care ICU	4	23.50	200.00	70.00
CPAP Ventilation	1	56.25	-	-
Critical Care ICU	6	32.50	280.00	90.00
CPAP Ventilation	2	112.50	-	-

## Total Requirements

Gas Type	Total Flow (L/min)
O <sub>2</sub>	<b>224.75</b>
Med Air	<b>480.00</b>
Vacuum	<b>160.00</b>

## Detailed Calculations

### Critical Care ICU (4 units)

**O<sub>2</sub>:** 23.50 L/min

$$10 + (4 - 1) \times 6 \times 3 \div 4 = 23.50 \text{ L/min}$$

**Med Air:** 200.00 L/min

$$80 + (4 - 1) \times 80 \div 2 = 200.00 \text{ L/min}$$

**Vacuum:** 70.00 L/min

$$40 + (4 - 1) \times 40 \div 4 = 70.00 \text{ L/min}$$

### CPAP Ventilation (1 units)

**O<sub>2</sub>:** 56.25 L/min

$$75 \times 1 \times 0.75 = 56.25 \text{ L/min}$$

### Critical Care ICU (6 units)

**O<sub>2</sub>:** 32.50 L/min

$$10 + (6 - 1) \times 6 \times 3 \div 4 = 32.50 \text{ L/min}$$

**Med Air:** 280.00 L/min

$$80 + (6 - 1) \times 80 \div 2 = 280.00 \text{ L/min}$$

**Vacuum:** 90.00 L/min

$$40 + (6 - 1) \times 40 \div 4 = 90.00 \text{ L/min}$$

### CPAP Ventilation (2 units)

**O<sub>2</sub>:** 112.50 L/min

$$75 \times 2 \times 0.75 = 112.50 \text{ L/min}$$



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## Plant Sizing

Reserve Manifold Sizing	Gas Type	Cylinder Size	Usable Gas (l)	Flow Rate (l/min)	Cylinders/Side
Oxygen Reserve	O2	J sized	6800	225	4
Medical Air Reserve Manifold	MA4	J sized	6800	480	8
<b>Vacuum Plant Sizing</b>					
Triplex Vacuum Plant above 200l/min (Design Flow + 25%) which complies with HTM02-01 (1 Duty/2 Standby)					

The manifolds are to be reserve manifolds HTM02-01 states they should last for 4 hours at average flow. As the area they are serving is an ICU department the flow rate has not been diversified any further from the full diversified flow.

## Pressure Loss Data

### Department Analysis

Each department is evaluated independently. System passes only if ALL departments meet their individual pressure loss requirements.

### Intensive Care Unit A - 4 -Beds - COMPLIANT ✓

*Department Gas System Totals:*

Gas System	Total Pressure Loss	Department Limit	Status
Oxygen	0.5494 kPa	20 kPa	PASS ✓
Medical Air	0.4927 kPa	20 kPa	PASS ✓
Vacuum	0.6687 kPa	20 kPa	PASS ✓

**Department Status:** All gas systems within department limits

*Detailed Section Analysis:*

Designation	Gas System	Pipe Size	Flow Rate (L/min)	Length (m)	Pressure Drop (kPa)	Status
A-B	Oxygen	15 mm	75	10	0.2146	PASS ✓
A-B	Medical Air	15 mm	80	10	0.2442	PASS ✓
A-B	Vacuum	22 mm	40	10	0.1288	PASS ✓
B-C	Oxygen	15 mm	80	12	0.2930	PASS ✓



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B-C	Medical Air	22 mm	200	12	0.2174	PASS ✓
B-C	Vacuum	22 mm	70	12	0.4734	PASS ✓
C-D	Oxygen	15 mm	80	2	0.0418	PASS ✓
C-D	Medical Air	22 mm	200	2	0.0311	PASS ✓
C-D	Vacuum	22 mm	70	2	0.0665	PASS ✓

## Pressure Loss Calculations:

### A-B - Oxygen

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (12.5 \text{ m} / 15 \text{ m}) \times (75 \text{ L/min} / 391.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.8333 \times 0.0368 \times 7.0 \text{ kPa}$$

**P = 0.2146 kPa**

### A-B - Medical Air

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (12.5 \text{ m} / 15 \text{ m}) \times (80 \text{ L/min} / 391.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.8333 \times 0.0419 \times 7.0 \text{ kPa}$$

**P = 0.2442 kPa**

### A-B - Vacuum

#### HTM02-01 Calculation (Table A5):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (12.5 \text{ m} / 15 \text{ m}) \times (40 \text{ L/min} / 116.0 \text{ L/min})^2 \times 1.3 \text{ kPa}$$

$$P = 0.8333 \times 0.1189 \times 1.3 \text{ kPa}$$

**P = 0.1288 kPa**

### B-C - Oxygen

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (15.0 \text{ m} / 15 \text{ m}) \times (80 \text{ L/min} / 391.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 1.0000 \times 0.0419 \times 7.0 \text{ kPa}$$

**P = 0.2930 kPa**

### B-C - Medical Air

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (15.0 \text{ m} / 15 \text{ m}) \times (200 \text{ L/min} / 1135.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 1.0000 \times 0.0311 \times 7.0 \text{ kPa}$$

**P = 0.2174 kPa**

### B-C - Vacuum

#### HTM02-01 Calculation (Table A5):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (15.0 \text{ m} / 15 \text{ m}) \times (70 \text{ L/min} / 116.0 \text{ L/min})^2 \times 1.3 \text{ kPa}$$

$$P = 1.0000 \times 0.3641 \times 1.3 \text{ kPa}$$

**P = 0.4734 kPa**

### C-D - Oxygen

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (2.5 \text{ m} / 8 \text{ m}) \times (80 \text{ L/min} / 579.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.3125 \times 0.0191 \times 7.0 \text{ kPa}$$

**P = 0.0418 kPa**

### C-D - Medical Air

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (2.5 \text{ m} / 8 \text{ m}) \times (200 \text{ L/min} / 1677.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.3125 \times 0.0142 \times 7.0 \text{ kPa}$$

**P = 0.0311 kPa**

### C-D - Vacuum

#### HTM02-01 Calculation (Table A5):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (2.5 \text{ m} / 8 \text{ m}) \times (70 \text{ L/min} / 173.0 \text{ L/min})^2 \times 1.3 \text{ kPa}$$



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$$P = 0.3125 \times 0.1637 \times 1.3 \text{ kPa}$$

$$P = 0.0665 \text{ kPa}$$

## Intensive Care Unit B - 6 -Beds - COMPLIANT ✓

### Department Gas System Totals:

Gas System	Total Pressure Loss	Department Limit	Status
Oxygen	0.3953 kPa	20 kPa	PASS ✓
Medical Air	0.8621 kPa	20 kPa	PASS ✓
Vacuum	1.2298 kPa	20 kPa	PASS ✓

**Department Status:** All gas systems within department limits

### Detailed Section Analysis:

Designation	Gas System	Pipe Size	Flow Rate (L/min)	Length (m)	Pressure Drop (kPa)	Status
E-F	Oxygen	15 mm	75	11	0.2361	PASS ✓
E-F	Medical Air	15 mm	80	11	0.2686	PASS ✓
E-F	Vacuum	22 mm	40	11	0.1417	PASS ✓
F-G	Oxygen	22 mm	145	15	0.1428	PASS ✓
F-G	Medical Air	22 mm	280	15	0.5325	PASS ✓
F-G	Vacuum	22 mm	90	15	0.9782	PASS ✓
G-H	Oxygen	22 mm	145	2	0.0164	PASS ✓
G-H	Medical Air	22 mm	280	2	0.0610	PASS ✓
G-H	Vacuum	22 mm	90	2	0.1099	PASS ✓

### Pressure Loss Calculations:

#### E-F - Oxygen

##### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (13.8 \text{ m} / 15 \text{ m}) \times (75 \text{ L/min} / 391.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.9167 \times 0.0368 \times 7.0 \text{ kPa}$$

$$P = 0.2361 \text{ kPa}$$

#### E-F - Medical Air

##### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (13.8 \text{ m} / 15 \text{ m}) \times (80 \text{ L/min} / 391.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.9167 \times 0.0419 \times 7.0 \text{ kPa}$$

$$P = 0.2686 \text{ kPa}$$

#### E-F - Vacuum

##### HTM02-01 Calculation (Table A5):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$

$$P = (13.8 \text{ m} / 15 \text{ m}) \times (40 \text{ L/min} / 116.0 \text{ L/min})^2 \times 1.3 \text{ kPa}$$

$$P = 0.9167 \times 0.1189 \times 1.3 \text{ kPa}$$

$$P = 0.1417 \text{ kPa}$$



### F-G - Oxygen

**HTM02-01 Calculation (Table A2):**

$$P = (L_{adjusted}/L_{table}) \times (Q_{design}/Q_{table})^2 \times \Delta P_{table}$$

$$P = (18.8 \text{ m} / 15 \text{ m}) \times (145 \text{ L/min} / 1135.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 1.2500 \times 0.0163 \times 7.0 \text{ kPa}$$

**P = 0.1428 kPa**

### F-G - Medical Air

**HTM02-01 Calculation (Table A2):**

$$P = (L_{adjusted}/L_{table}) \times (Q_{design}/Q_{table})^2 \times \Delta P_{table}$$

$$P = (18.8 \text{ m} / 15 \text{ m}) \times (280 \text{ L/min} / 1135.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 1.2500 \times 0.0609 \times 7.0 \text{ kPa}$$

**P = 0.5325 kPa**

### F-G - Vacuum

**HTM02-01 Calculation (Table A5):**

$$P = (L_{adjusted}/L_{table}) \times (Q_{design}/Q_{table})^2 \times \Delta P_{table}$$

$$P = (18.8 \text{ m} / 15 \text{ m}) \times (90 \text{ L/min} / 116.0 \text{ L/min})^2 \times 1.3 \text{ kPa}$$

$$P = 1.2500 \times 0.6020 \times 1.3 \text{ kPa}$$

**P = 0.9782 kPa**

### G-H - Oxygen

**HTM02-01 Calculation (Table A2):**

$$P = (L_{adjusted}/L_{table}) \times (Q_{design}/Q_{table})^2 \times \Delta P_{table}$$

$$P = (2.5 \text{ m} / 8 \text{ m}) \times (145 \text{ L/min} / 1677.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.3125 \times 0.0075 \times 7.0 \text{ kPa}$$

**P = 0.0164 kPa**

### G-H - Medical Air

**HTM02-01 Calculation (Table A2):**

$$P = (L_{adjusted}/L_{table}) \times (Q_{design}/Q_{table})^2 \times \Delta P_{table}$$

$$P = (2.5 \text{ m} / 8 \text{ m}) \times (280 \text{ L/min} / 1677.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$

$$P = 0.3125 \times 0.0279 \times 7.0 \text{ kPa}$$

**P = 0.0610 kPa**

### G-H - Vacuum

**HTM02-01 Calculation (Table A5):**

$$P = (L_{adjusted}/L_{table}) \times (Q_{design}/Q_{table})^2 \times \Delta P_{table}$$

$$P = (2.5 \text{ m} / 8 \text{ m}) \times (90 \text{ L/min} / 173.0 \text{ L/min})^2 \times 1.3 \text{ kPa}$$

$$P = 0.3125 \times 0.2706 \times 1.3 \text{ kPa}$$

**P = 0.1099 kPa**

## Intensive Care Unit - COMPLIANT ✓

*Department Gas System Totals:*

Gas System	Total Pressure Loss	Department Limit	Status
Oxygen	0.3908 kPa	20 kPa	PASS ✓
Medical Air	0.5017 kPa	20 kPa	PASS ✓
Vacuum	0.9520 kPa	20 kPa	PASS ✓

**Department Status:** All gas systems within department limits

*Detailed Section Analysis:*

Designation	Gas System	Pipe Size	Flow Rate (L/min)	Length (m)	Pressure Drop (kPa)	Status
I-J	Oxygen	28 mm	225	59	0.3908	PASS ✓
I-K	Medical Air	35 mm	480	54	0.5017	PASS ✓
I-L	Vacuum	35 mm	160	52	0.9520	PASS ✓



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## Pressure Loss Calculations:

### I-J - Oxygen

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$
$$P = (73.8 \text{ m} / 61 \text{ m}) \times (225 \text{ L/min} / 1047.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$
$$P = 1.2090 \times 0.0462 \times 7.0 \text{ kPa}$$

**P = 0.3908 kPa**

### I-K - Medical Air

#### HTM02-01 Calculation (Table A2):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$
$$P = (67.5 \text{ m} / 61 \text{ m}) \times (480 \text{ L/min} / 1886.0 \text{ L/min})^2 \times 7.0 \text{ kPa}$$
$$P = 1.1066 \times 0.0648 \times 7.0 \text{ kPa}$$

**P = 0.5017 kPa**

### I-L - Vacuum

#### HTM02-01 Calculation (Table A5):

$$P = (L_{\text{adjusted}}/L_{\text{table}}) \times (Q_{\text{design}}/Q_{\text{table}})^2 \times \Delta P_{\text{table}}$$
$$P = (65.0 \text{ m} / 61 \text{ m}) \times (160 \text{ L/min} / 193.0 \text{ L/min})^2 \times 1.3 \text{ kPa}$$
$$P = 1.0656 \times 0.6873 \times 1.3 \text{ kPa}$$

**P = 0.9520 kPa**

## ENGINEER / AUTHORISED PERSON SIGN-OFF

Engineer/Authorised Person Name: Kevin Pugh

Title/Role: HTM02-01 Authorised Person (MGPS)

Registration Number: N/A

Date of Verification: 07-04-2026

Verification Notes/Comments: We have noticed there are O2 and VAC outlets located in En-Suite Bathrooms; these are not required for HTM02-01 installations, the flow for these outlets have not been taken into consideration as if the patient is in the bathroom, they cannot also be in the ICU bed.

Kevin Pugh

Signature: \_\_\_\_\_

**Note:** This document should be reviewed and signed by a qualified Medical Gas Authorised Person or competent engineer to verify compliance with HTM 02-01 standards.

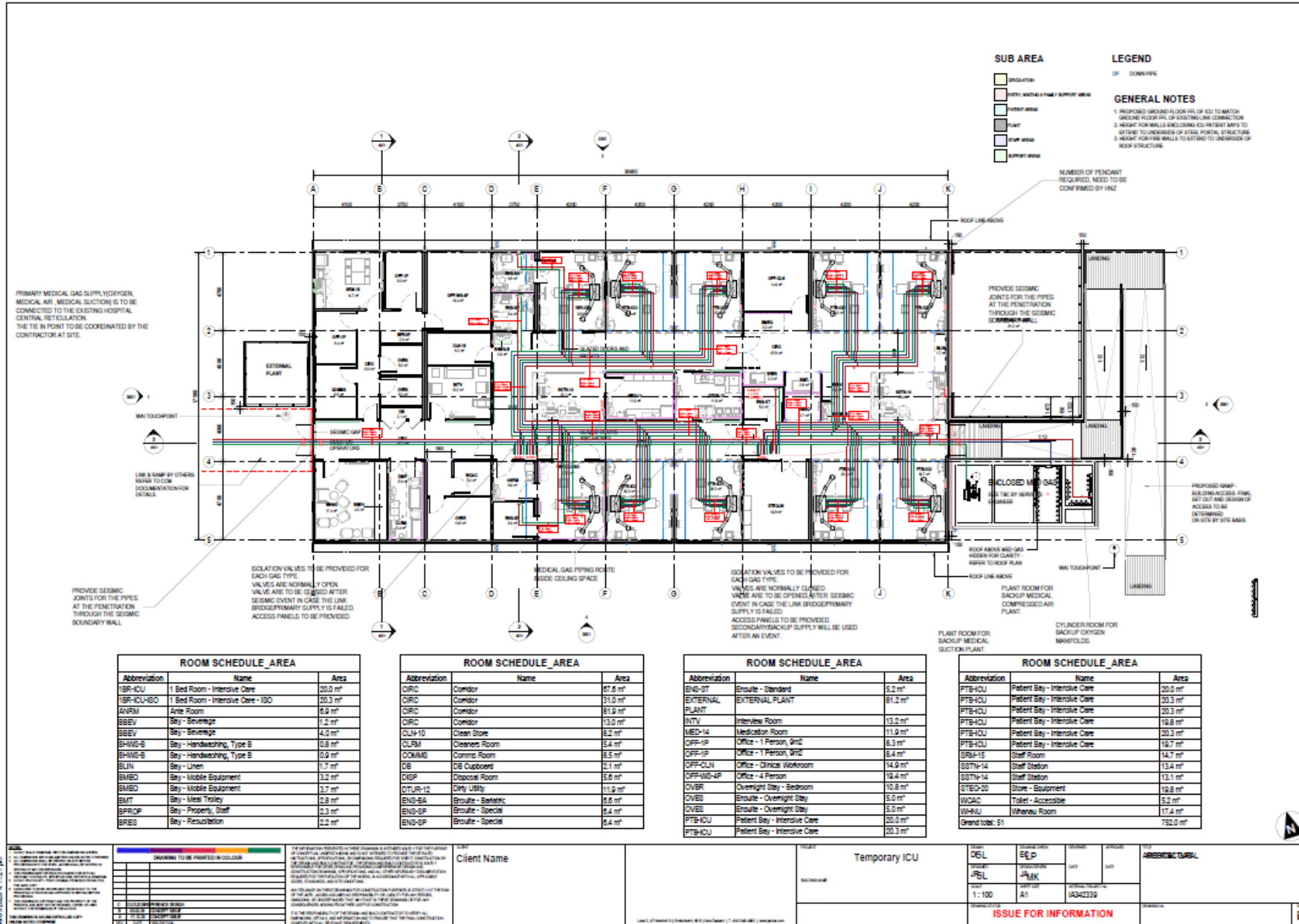


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### SUB AREA

- ISOLATION
- HOTEL MATERIALS / SUPPORT AREA
- INTERIOR WALL
- PLANT
- STAIR AREA
- SUPPORT AREA

### LEGEND

OP DOWNPIPE

### GENERAL NOTES

1. PROPOSED GROUND FLOOR FILL TO MATCH EXISTING GROUND FLOOR FILL OF EXISTING CONNECTION
2. HEIGHT FOR WALLS INCLUDING EQUIPMENT SHALL BE EXTENDED TO UNDERGIRDERS OF STEEL PORTAL STRUCTURE
3. HEIGHT FOR FIVE WALLS TO EXTEND TO UNDERGIRDERS OF ROOF STRUCTURE

NUMBER OF PENDANT REQUIRED, NEED TO BE CONFIRMED BY INZ

PRIMARY MEDICAL GAS SUPPLY (OXYGEN, MEDICAL AIR, MEDICAL SECTION) IS TO BE CONNECTED TO THE EXISTING HOSPITAL CENTRAL RETICULATION. THE TIE IN POINT TO BE COORDINATED BY THE CONTRACTOR AT SITE.

WATER TOUCHPOINT

LIFT & RAMP BY OTHERS REFER TO COM DOCUMENTATION FOR DETAILS

PROVIDE SEISMIC JOINTS FOR THE PIPES AT THE PENETRATION THROUGH THE SEISMIC BOUNDARY WALL

ISOLATION VALVES TO BE PROVIDED FOR EACH GAS TYPE. VALVES ARE NORMALLY OPEN. VALVE ARE TO BE CLOSED AFTER SEISMIC EVENT IN CASE THE LINK BROUGHT PRIMARY SUPPLY IS FAILED. ACCESS PANELS TO BE PROVIDED.

MEDICAL GAS PIPING ROUTE INSIDE CEILING SPACE

ISOLATION VALVES TO BE PROVIDED FOR EACH GAS TYPE. VALVES ARE NORMALLY CLOSED. VALVE ARE TO BE OPENED AFTER SEISMIC EVENT IN CASE THE LINK BROUGHT PRIMARY SUPPLY IS FAILED. ACCESS PANELS TO BE PROVIDED. SECONDARY BACKUP SUPPLY WILL BE USED AFTER AN EVENT.

PROVIDE SEISMIC JOINTS FOR THE PIPES AT THE PENETRATION THROUGH THE SEISMIC SCREENING WALL

ROOF ABOVE MED GAS ROOMS FOR CLARITY. REFER TO ROOF PLAN

ROOF LINE ABOVE

PLANT ROOM FOR BACKUP MEDICAL COMPRESSED AIR PLANT

PLANT ROOM FOR BACKUP MEDICAL SUCTION PLANT

CYLINDER ROOM FOR BACKUP OXYGEN MANIFOLDS

PROPOSED DUMP BEHIND ACCESS PANEL. SET OUT AND SIGNAGE ACCESS TO BE DETERMINED ON SITE BY SITE BASS

ROOM SCHEDULE_AREA		
Abbreviation	Name	Area
IBR-ICU	1 Bed Room - Intensive Care	20.0 m <sup>2</sup>
IBR-ICU-ISO	1 Bed Room - Intensive Care - ISO	20.3 m <sup>2</sup>
ANRM	Ante Room	6.9 m <sup>2</sup>
BBEV	Bay - Beverage	1.2 m <sup>2</sup>
BBEV	Bay - Beverage	4.0 m <sup>2</sup>
BHWS-B	Bay - Handwashing, Type B	0.6 m <sup>2</sup>
BHWS-B	Bay - Handwashing, Type B	0.6 m <sup>2</sup>
BLIN	Bay - Linen	1.7 m <sup>2</sup>
BMEO	Bay - Mobile Equipment	3.2 m <sup>2</sup>
BMEO	Bay - Mobile Equipment	3.7 m <sup>2</sup>
BMT	Bay - Muck Trolley	2.8 m <sup>2</sup>
BPROP	Bay - Property Staff	2.3 m <sup>2</sup>
BRES	Bay - Resuscitation	2.2 m <sup>2</sup>

ROOM SCHEDULE_AREA		
Abbreviation	Name	Area
CRIC	Corridor	67.6 m <sup>2</sup>
CRIC	Corridor	31.0 m <sup>2</sup>
CRIC	Corridor	81.9 m <sup>2</sup>
CRIC	Corridor	13.0 m <sup>2</sup>
CLN-10	Clean Store	8.2 m <sup>2</sup>
CLRM	Cleaners Room	6.4 m <sup>2</sup>
COMMS	Comm. Room	8.5 m <sup>2</sup>
DB	DB Cupboard	2.1 m <sup>2</sup>
DISP	Disposal Room	5.0 m <sup>2</sup>
DTUR-12	Dirty Utility	11.9 m <sup>2</sup>
ENS-BA	Ensuite - Bathetic	6.6 m <sup>2</sup>
ENS-SP	Ensuite - Special	6.4 m <sup>2</sup>
ENS-SP	Ensuite - Special	6.4 m <sup>2</sup>

ROOM SCHEDULE_AREA		
Abbreviation	Name	Area
ENS-ST	Ensuite - Standard	5.2 m <sup>2</sup>
EXTERNAL PLANT	EXTERNAL PLANT	81.2 m <sup>2</sup>
INTV	Interview Room	13.2 m <sup>2</sup>
MED-14	Medication Room	11.9 m <sup>2</sup>
OFF-IP	Office - 1 Person, 9m2	6.3 m <sup>2</sup>
OFF-IP	Office - 1 Person, 9m2	6.4 m <sup>2</sup>
OFF-CLN	Office - Clinics Workshop	14.9 m <sup>2</sup>
OFF-NS-4P	Office - 4 Person	16.4 m <sup>2</sup>
OVR	Overnight Bay - Bedroom	16.8 m <sup>2</sup>
OVS	Ensuite - Overnight Bay	5.0 m <sup>2</sup>
OVS	Ensuite - Overnight Bay	5.0 m <sup>2</sup>
PTB-ICU	Patient Bay - Intensive Care	20.0 m <sup>2</sup>
PTB-ICU	Patient Bay - Intensive Care	20.3 m <sup>2</sup>

ROOM SCHEDULE_AREA		
Abbreviation	Name	Area
PTB-ICU	Patient Bay - Intensive Care	20.0 m <sup>2</sup>
PTB-ICU	Patient Bay - Intensive Care	20.3 m <sup>2</sup>
PTB-ICU	Patient Bay - Intensive Care	20.3 m <sup>2</sup>
PTB-ICU	Patient Bay - Intensive Care	19.8 m <sup>2</sup>
PTB-ICU	Patient Bay - Intensive Care	20.3 m <sup>2</sup>
PTB-ICU	Patient Bay - Intensive Care	19.7 m <sup>2</sup>
SRM-15	Staff Room	14.7 m <sup>2</sup>
SSTH-14	Staff Station	13.4 m <sup>2</sup>
SSTH-14	Staff Station	13.1 m <sup>2</sup>
SSTH-14	Staff Station	19.4 m <sup>2</sup>
STEQ-20	Store - Equipment	19.8 m <sup>2</sup>
WCAC	Toilet - Accessible	5.2 m <sup>2</sup>
WH-RU	Whareu Room	17.4 m <sup>2</sup>
Grand total: 51		752.0 m <sup>2</sup>

DATE: 2024-06-11 11:21 AM  
 PROJECT: Temporary ICU  
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Color	Meaning
Blue	ISOLATION
Red	ISOLATION
Green	ISOLATION
Yellow	ISOLATION
Pink	ISOLATION
Grey	ISOLATION
White	ISOLATION

Client Name  
 Temporary ICU  
 DEL  
 JBL  
 1:100  
 13442339

Client Name	Project	Scale	Revision	Date
Temporary ICU	DEL	1:100	JBL	13442339

Scale	Revision	Date
1:100	JBL	13442339

ISSUE FOR INFORMATION

BC