ABBREVIATIONS

A
- AGA — AREA GAS ALARM PANEL

B
- BFV — BUTTERFLY VALVE
- BV — BALANCING VALVE

C
- CA — COMPRESSED AIR
- CA&V — CAPPED AND VALVED
- CE — CAP EXISTING
- CONT — CONTINUATION
- CTE — CONNECT TO EXISTING
- CV — CHECK VALVE

D
- DCVA — DOUBLE CHECK VALVE ASSEMBLY
- DN — DOWN THROUGH FLOOR
- DP — DROP
- DWG — DRAWING

E
- EL — ELEVATION
- ETR — EXISTING TO REMAIN
- ETX — EXISTING TO BE REMOVED
- EV — EVACUATION (WAGD) PIPING
- EX — EXISTING

F
- FAI — FRESH AIR INTAKE
- FLR — FLOOR

G
- GC — GENERAL CONTRACTOR
- GM — GAS METER & REGULATOR SET
- GV — GATE VALVE
- GVB — FUEL GAS VALVE BOX

H

I
- IE — INVERT ELEVATION
- INV — INVERT

J

K

L
- LGA — LOCAL MEDICAL GAS ALARM PANEL
- LOW — LIMIT OF WORK
- LV — LOCKED MEDICAL VALVE

M
- MA — MEDICAL AIR
- MAC — MEDICAL AIR COMPRESSOR
- MGO — MEDICAL GAS OUTLET IDENTIFICATION
- MGA — MEDICAL GAS ALARM PANEL
- MV — MEDICAL VACUUM PIPING
- MVE — MEDICAL VACUUM EXHAUST PIPING
- MVP — MEDICAL VACUUM PUMP
- MZVB — MEDICAL GAS ZONE VALVE BOX

N
- N2 — NITROGEN PIPING
- N2O — NITROUS OXIDE PIPING
- NC — NORMALLY CLOSED
- NCP — NITROGEN CONTROL PANEL
- NIC — NOT IN CONTRACT
- NO — NORMALLY OPEN
- NTS — NOT TO SCALE

O
- OFCI — OWNER FURNISHED, CONTRACTOR INSTALLED
- OFI — OWNER FURNISHED & INSTALLED
- OX — OXYGEN PIPING

P
- PRV — PRESSURE REDUCING VALVE
- PRVA — PRESSURE REGULATING VALVE ASSEMBLY
- PS — PRESSURE SWITCH
- PVB — PRESSURE VACUUM BREAKER
- PG — PRESSURE GAUGE

R
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTER
- RV — RELIEF VALVE

S
- SL — VACUUM SLIDE

T
- TR — THROUGH ROOF
- TYP. — TYPICAL

U
- UP — UP (THROUGH SLAB ABOVE)
- UP&ON — UP&ON (THROUGH FLOOR SLAB)

V
- VAC — MEDICAL VACUUM PIPING
- VB — VACUUM BREAKER

W
- WAGD — WASTE ANESTHETIC GAS DISPOSAL

Y

Z
- ZVB — MEDICAL GAS ZONE VALVE BOX

SYMBOLS LEGEND

- A1.2 / E — COLUMN LINE DESIGNATION
- A — MEDICAL GAS OUTLET DESIGNATION
- CONNECT TO EXISTING
- WC-1 — PLUMBING FIXTURE DESIGNATION
- X / XXX — DRAWING NUMBER / SHEET NUMBER — DETAIL DESIGNATION
- X / XX — REVISION DESIGNATION
- K1 — KITCHEN EQUIPMENT DESIGNATION

GENERAL NOTES

DEMOLITION

DRAWING LIST

MEDICAL GAS

P001.1 MEDICAL GAS LEGENDS, NOTES, AND SCHEDULES
P002.1 MEDICAL GAS TYPICAL DETAILS

P305B MEDICAL GAS SUB-BASEMENT FLOOR PLANS - RENOVATION
P308 MEDICAL GAS BASEMENT FLOOR PLAN
P30C MEDICAL GAS GROUND PARTIAL FLOOR PLANS - RENOVATION
P302 MEDICAL GAS SECOND FLOOR PLAN
P303 MEDICAL GAS THIRD FLOOR PLAN
P304 MEDICAL GAS FOURTH FLOOR PLAN
P305 MEDICAL GAS FIFTH FLOOR PLAN
P306 MEDICAL GAS SIXTH FLOOR/ROOF PLAN

P402 MEDICAL GAS RISER DIAGRAM

General Notes:

1. THIS IS A STANDARD SYMBOL LIST. ALL SYMBOLS MAY NOT NECESSARILY APPEAR ON THE FLOOR PLANS OR DETAIL SHEETS. ONLY THOSE INDICATED ON THE FLOOR PLANS AND DETAILS SHEETS SHOULD BE USED, AND ALL OTHERS SHOULD BE DISREGARDED.

PIPING LEGEND

GENERAL
- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- NEW PIPING

GAS
- CO2 — CARBON DIOXIDE PIPING
- CA — COMPRESS AIR PIPING
- EV — EVACUATION (WAGD) PIPING
- FAI — FRESH AIR INTAKE PIPING
- G — NATURAL GAS PIPING
- HG — GAS HIGH PRESSURE
- GV — NATURAL GAS VENT PIPING
- LV — LABORATORY VACUUM PIPING
- MA — MEDICAL AIR PIPING
- MG — GAS MEDIUM PRESSURE
- MV — MEDICAL VACUUM PIPING
- MVE — MEDICAL VACUUM EXHAUST PIPING
- N — NITROGEN PIPING
- N2O — NITROUS OXIDE PIPING
- O — OXYGEN PIPING
- SG — SPECIAL GAS PIPING

PIPING SYMBOL LEGEND

PIPING
- CAPPED
- DOWN THROUGH FLOOR
- DROP (OR RISE)
- FLEX CONNECTOR
- FLOW ARROW
- IN-LINE PRESSURE SENSOR
- PG — PRESSURE GAUGE
- PS — PRESSURE SWITCH
- SLOPE (1" PER FOOT)
- UNION
- UP (THROUGH SLAB ABOVE)
- UP & DOWN (THROUGH FLOOR SLAB)
- UP & TRAP
- TG — TEMPERATURE GAGE

VALVES
- BUTTERFLY VALVE
- CAPPED & VALVED
- CHECK VALVE
- GAS COCK
- PRVA — PRESSURE REGULATING VALVE ASSEMBLY
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTER
- RELIEF VALVE
- ZVB — MEDICAL GAS ZONE VALVE BOX

MEDICAL GAS ZONE VALVE BOX SCHEDULE

I.D.	LOCATION	OXY.	AIR	VAC	N2	N2O	EVAC	CO2	SERVES
MZVB-1	CORRIDOR G030-WS	1/2"	-	1-1/4"	-	-	-		ANTEPARTUM 12 TO 15
MZVB-2	CORRIDOR G020-WS	1/2"	-	1-1/4"	-	-	-		ANTEPARTUM 6 TO 11
MZVB-3	CORRIDOR G010-WS	1/2"	-	1-1/4"	-	-	-		ISOL. ANTE., ANTEPARTUM 2 TO 5
MZVB-4	CORRIDOR G015-WS	1/2"	1/2"	1-1/4"	-	-	-		PROCEDURE
MZVB-5	CORRIDOR 2023-WS	1/2"	1/2"	2"	-	-	-		LDR 7 & 8
MZVB-6	CORRIDOR 2012-WS	1/2"	1/2"	2"	-	-	-		LDR 3 TO 6
MZVB-7	CORRIDOR 2003-WS	1/2"	1/2"	2"	-	-	-		ISOL. LDR, LDR 2
MZVB-8	CORRIDOR 2007-WS	1/2"	1/2"	2"	-	-	-		LDR 9 & 10
MZVB-9	CORRIDOR 2054-PO	-	-	2"	-	-	1/2"		C-SECTION-1
MZVB-10	CORRIDOR 2054-PO	1/2"	1/2"	-	1/2"	1/2"	-		C-SECTION-1
MZVB-11	CORRIDOR 2054-PO	-	-	2"	-	-	1/2"		C-SECTION-2
MZVB-12	CORRIDOR 2054-PO	1/2"	1/2"	-	1/2"	1/2"	-		C-SECTION-2
MZVB-13	CORRIDOR 2063-WS	1/2"	1/2"	1-1/2"	-	-	-		TRIAGE 11 TO 14
MZVB-14	CORRIDOR 2069-WS	1/2"	1/2"	1-1/2"	-	-	-		TRIAGE 15 TO 17
MZVB-15	CORRIDOR 3031-CC	1/2"	1/2"	2"	-	-	-		NICU 16 TO 25
MZVB-16	CORRIDOR 3019-CC	1/2"	1/2"	2"	-	-	-		NICU 6 TO 15
MZVB-17	CORRIDOR 3004-CC	1/2"	1/2"	2"	-	-	-		NICU 1 TO 5
MZVB-18	CORRIDOR 3007-CC	1/2"	1/2"	2"	-	-	-		NICU 26 TO 28
MZVB-19	CORRIDOR 3042-CC	1/2"	1/2"	3/4"	-	-	-		CCN 31 TO 36
MZVB-20	CORRIDOR 3056-CC	1/2"	1/2"	3/4"	-	-	-		CCN 37 TO 44
MZVB-21	CORRIDOR 3060-CC	1/2"	1/2"	3/4"	-	-	-		CCN 45 TO 50
MZVB-22	CORRIDOR 4012-WS	1/2"	1/2"	1-1/4"	-	-	-		POST PART. 8 TO 14
MZVB-23	CORRIDOR 4012-WS	1/2"	1/2"	1-1/4"	-	-	-		ISOL. POST PART., POST PART. 2 TO 7
MZVB-24	CORRIDOR 4014-WS	1/2"	1/2"	3/4"	-	-	-		NEW NURSERY 7 & 8
MZVB-25	CORRIDOR 4014-WS	1/2"	1/2"	1-1/4"	-	-	-		PROCEDURE ROOM
MZVB-26	CORRIDOR 4031-WS	1/2"	1/2"	1-1/4"	-	-	-		POST PART. 15 TO 20
MZVB-27	CORRIDOR 4055-WS	1/2"	1/2"	1-1/4	-	-	-		POST PART. 21 TO 26
MZVB-28	CORRIDOR 4055-WS	1/2"	1/2"	1-1/4"	-	-	-		POST PART. 27 TO 32

NOTES:
1. MOUNT 66" FROM TOP OF PANEL TO THE FINISHED FLOOR.
2. VALVE BOX SHALL BE LABELED WITH AREA(S) SERVED.

MEDICAL GAS OUTLET SCHEDULE

I.D.	PLACEMENT	AREA SERVED
A	OX MV SL	ANTEPARTUM, ISOLATION ANTEPARTUM,
B	OX OX MV MV SL SL	LDR, ISOLATION LDR, TRIAGE
C	MA MA OX OX MV MV SL SL	LDR (INFANT BED), TRIAGE (INFANT BED)
D	MA MV MV MV SL SL SL OX OX EV N2O N2	C-SECTIONN 1&2
E	MA MA MA MA MV MV MV MV SL SL SL SL OX OX OX OX	C-SECTIONN 1&2 (INFANT BED)
F	MA MA MA MV MV SL SL SL OX OX OX OX	ISOLATION NICU, NICU, CCN, TCU
G	MV SL MA OX	POSTPARTUM (INFANT BED), PROCEDURE ROOMS
H	MA OX	ANESTH. WORK ROOM

NOTES:
1. COORDINATE MOUNTING HEIGHTS/LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
2. INCLUDE VACUUM SLIDE BRACKETS.

MEDICAL GAS ALARM SCHEDULE

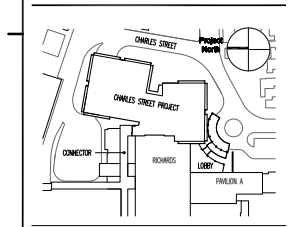
I.D.	LOCATION	OXY	AIR	VAC	N2	N2O	EVAC	CO2	REMARKS
LGA-1	STAFF STATION G030-WS	●		●					ANTE PART. 12 TO 15
LGA-2	STAFF STATION G013-WS	●	●	●					PROCEDURE, ANTE PART. 1 TO 11
LGA-3	STAFF STATION 2030-WS	●	●	●					LDR 7 TO 10
LGA-4	STAFF STATION 2010-WS	●	●	●					ISOL LDR, LDR 2 TO 6
LGA-5	STAFF STATION 2066-WS	●	●	●	●	●	●		C-SECT. 1 & 2
LGA-6	STAFF STATION 2066-WS	●	●	●					TRIAGE 11 TO 17
LGA-7	STAFF STATION 3018-CC	●	●	●					ISOL. NICU, NICU 2 TO 15
LGA-8	STAFF STATION 3035-CC	●	●	●					NICU 16 TO 28
LGA-9	STAFF STATION 3055-CC	●	●	●					CCN 31 TO 44
LGA-10	STAFF STATION 3059-CC	●	●	●					CCN 45 TO 50
LGA-11	CORRIDOR 4021-WS	●	●	●					POST PART. 8 TO 15
LGA-12	CORRIDOR 4021-WS	●	●	●					POST PART. 15 TO 20
LGA-13	CORRIDOR 4003-WS	●	●	●					ISOL. POST PART., POST PART. 2 TO 7
LGA-14	WORK AREA 4006-WS	●	●	●					PROCEDURE, NURSERY 7 & 8
LGA-15	CORRIDOR 4042-WS	●	●	●					POST PART. 21 TO 26
LGA 16	CORRIDOR 4059-WS	●	●	●					POST PART. 26 TO 32

NOTES:
1. PROVIDE PRESSURE AND VACUUM SWITCHES WITH WITH BELDEN8451 OR WEST PENN 452, 22 AWG CABLE IN PROTECTIVE CONDUIT.
2. PROVIDE WIRING BETWEEN ALARM PANEL AND PRESSURE SWITCHES.
3. MOUNT 66" FROM TOP OF PANEL TO THE FINISHED FLOOR.
4. PROVIDE MINIMUM OF 6-SENSING POINTS IN EACH AREA ALARM PANEL.

MARK	ISSUE DATE	DESCRIPTION
PERMIT	09/24/04	PERMIT SET - NOT FOR CONSTRUCTION

FOR PERMIT ONLY - NOT FOR CONSTRUCTION

Issue Log



Key Plan

TRO
Architecture
Planning
Engineering
Interior Design
The Ritchie Organization
80 Bridge Street
Newton, MA 02465-1134
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Maine Medical Center
Charles Street Project
Portland, Maine — MMC Project No. 21841

Drawing Title
MEDICAL GAS LEGENDS, NOTES, ABBREVIATIONS, AND SCHEDULES

0" 0 0 0 0

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