

Medical Technology Associates Inc.

System Verification



FACILITY:	St. Luke's East- ASC	CITY & STATE	Lee's Summit, Missouri
CUSTOMER:	P1 Group	CITY & STATE	Lenexa, Kansas
PO#:	On file	JOB #:	J90772
DATE:	7/24/2024	TECH:	Clint Williams/ Clark Zeit

Affidavit	J90772	Control #	NA
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Medical Technology Associates
6651 102nd Ave N, Pinellas Park, FL 33782
Tel. (877) 569-8886, Fax (877) 787-3220

All In One Certification Form - V2024-1.14



Acknowledgement of Services

Certification
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Medical Technology Associations, Inc.

FACILITY:	St. Luke's East- ASC	CITY & STATE	Lee's Summit, Missouri
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CHECK APPROPRIATE BOX(ES)

MEDICAL GAS PIPING SYSTEMS (A - G only)	OXY	AIR	VAC	N2O	N2	CO2	WAGD	Other
A. TOTAL SYSTEM EVALUATION	---	---	---	---	---	---	---	---
B. PATIENT OUTLET TESTING	✓	✓	✓	✓	✓	✓	✓	---
C. CONSTRUCTION CERTIFICATION	✓	✓	✓	✓	✓	✓	✓	---
D. CONTAMINANT TESTING	✓	✓	---	✓	✓	✓	---	---
E. PARTICULATE MATTER TESTING	✓	✓	---	✓	✓	✓	---	---
F. LEAK DETECTION	✓	✓	✓	✓	✓	✓	✓	---
G. OTHER	---	---	---	---	---	---	---	---

Comments:

7/24/2024	Chris L.	On file	P1 Group
Date	Service Acknowledged By (Print)	Signature of Responsible Facility Authority	Company



Field Affidavit

Inspection / Testing Services

Medical Gas & Vacuum Systems

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I, Clint Williams, as a current appointed representative of Medical Technology Associates as of (date) 7/24/2024 have conducted tests of the Medical Gas & Vacuum System in accordance with NFPA99 2024 and attest to the following:

Area Inspected: Shut down ox, med air, med vac, N2, N2O and CO2 via service valves and source equipment to tie in
New section of the ASC. Also Reverified existing system.

Check appropriate box(es)

<input checked="" type="checkbox"/>	←Category 1	<input type="checkbox"/>	←Category 2	<input type="checkbox"/>	←Category 3	<input type="checkbox"/>	←NFPA99 2012
<input type="checkbox"/>	←NFPA99 2018	<input type="checkbox"/>	←NFPA99 2021	<input checked="" type="checkbox"/>	←NFPA99 2024	<input type="checkbox"/>	←Other

P = Pass, F = Fail, NA = Not Applicable

P	Verifier is ASSE 6030 qualified per NFPA99 2024 5.1.12.4.1.3
NA	Verifier is ASSE 6035 qualified per NFPA99 2024 5.1.12.4.1.4
	Name: <u>Clint Williams</u> Certificate #: <u>On file</u>
P	Installers and Brazer are qualified and competent under NFPA99 2024 Code 5.1.10.11.10.2. in accordance with ASSE/IAPMO/ANSI 6010.
	Name: <u>Chris L.</u> Certificate #: <u>On file</u>
P	Installer Performed Tests Per NFPA99 2024 Code 5.1.12.2 have been completed.
NA	System Inspection Per NFPA99 2024 5.1.12.3 has been completed.
P	Verifier cross connection test was successfully completed per NFPA 99 2024 Code 5.1.12.4.3
P	Pipeline system tested was purged of the test gas Nitrogen (NF).
P	Verifiers 10 minute standing pressure test was successfully completed.
P	The concentration of the gas delivered at each outlet was tested and is within specified standards.
P	All tested outlets and inlets are labeled and functioning properly for flow and pressures.
P	All tested alarm panels were located and functioning properly.
P	All tested valves and zone valve boxes were located properly with tags and labels.
NA	All tested central supply systems were found to be properly located and functioning for their intended use.
NA	All tested air compressor and vacuum pumps were inspected and are installed correctly.

NA	If this box is "X'ed" review all notes on the MTA CODE COMPLIANCE WORK SHEET before patient use.
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The Contractor and / or Facility are responsible for the identification of all the equipment to be certified.
Any equipment not listed on the attached worksheets is the responsibility of the Contractor and / or Facility.

Hold Harmless Clause:

The above certification applies to the condition of the detailed, itemized list of equipment as of the date noted.
Medical Technology Associates, Inc will be held harmless from any liability caused by any modification of the piping system (including but not limited to inlets / outlets, alarm panels, zone valve boxes, manifolds or central supply systems) at a later date.

Signed by (MTA): 	Signed by (Transacting Customer): On file
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Medical Gas & Vacuum Zone Valve & Alarm Panel

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CROSS CONNECTION TEST (Check methodology)

Individual Pressurization (5.1.12.4.3.1) ☒

Pressure Differential (5.1.12.4.3.2) ☐

ZONE VALVE BOX	<u>Location:</u>		Corridor outside of Rooms 139-141 (A-E)		
	<u>Area Served:</u>		Rooms 139-141 (A-E)		
Gas / Vacuum	Proper Labeling	Standing Pressure Test	Pressure Gauges	Cross Connection Test	Pass / Fail
Oxy	P	P	P	P	P
Vac	P	P	P	P	P
</					

Comments:



Medical Gas & Vacuum Zone Valve & Alarm Panel

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Individual Pressurization (5.1.12.4.3.1) ☒

Pressure Differential (5.1.12.4.3.2) ☐

ZONE VALVE BOX	<u>Location:</u>		Corridor in procedure hallway			AREA ALARM PANEL	<u>Location:</u>		Nurses Station			
	<u>Area Served:</u>		Rooms 124-138				<u>Area Served:</u>		Rooms 124-138			
Gas / Vacuum	Proper Labeling	Standing Pressure Test	Pressure Gauges	Cross Connection Test	Pass / Fail	System Line Pressure	Low Alarm	High Alarm	Audible Visual Signals	Test Switch	Sensor Location Pass / Fail	Pass / Fail
Oxy	P	P	P	P	P	52	40	60	P	P	P	P
Vac	P	P	P	P	P	20	12	NA	P	P	P	P

Comments:



Medical Gas & Vacuum Zone Valve & Alarm Panel

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CROSS CONNECTION TEST (Check methodology)

Individual Pressurization (5.1.12.4.3.1) ☒

Pressure Differential (5.1.12.4.3.2) ☐

ZONE VALVE BOX	<u>Location:</u>		Outside of Procedure 145		
	<u>Area Served:</u>		Procedure 145		
Gas / Vacuum	Proper Labeling	Standing Pressure Test	Pressure Gauges	Cross Connection Test	Pass / Fail
Oxy	P	P	P	P	P
MA	P	P	P	P	P
Vac	P	P	P	P	P
N2O	P	P	P	P	P
N2	P	P	P	P	P
CO2	P	P	P	P	P

AREA ALARM PANEL	<u>Location:</u>		Inside of Procedure 145			
	<u>Area Served:</u>		Procedure 145			
System Line Pressure	Low Alarm	High Alarm	Audible Visual Signals	Test Switch	Sensor Location Pass / Fail	Pass / Fail
52	40	60	P	P	P	P
50	40	60	P	P	P	P
19	12	NA	P	P	P	P
50	40	60	P	P	P	P
171	145	200	P	P	P	P
52	40	60	P	P	P	P

Comments:



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CROSS CONNECTION TEST (Check methodology)

Individual Pressurization (5.1.12.4.3.1) ☒

Pressure Differential (5.1.12.4.3.2) ☐

ZONE VALVE BOX	<u>Location:</u>		Outside of Procedure 146			AREA ALARM PANEL	<u>Location:</u>		Inside of Procedure 146			
	<u>Area Served:</u>		Procedure 146				<u>Area Served:</u>		Procedure 146			
Gas / Vacuum	Proper Labeling	Standing Pressure Test	Pressure Gauges	Cross Connection Test	Pass / Fail	System Line Pressure	Low Alarm	High Alarm	Audible Visual Signals	Test Switch	Sensor Location Pass / Fail	Pass / Fail
Oxy	P	P	P	P	P	52	40	60	P	P	P	P
MA	P	P	P	P	P	50	40	60	P	P	P	P
Vac	P	P	P	P	P	19	12	NA	P	P	P	P
N2O	P	P	P	P	P	50	40	60	P	P	P	P
N2	P	P	P	P	P	171	145	200	P	P	P	P
CO2	P	P	P	P	P	52	40	60	P	P	P	P

Comments:



Medical Gas & Vacuum Zone Valve & Alarm Panel

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CROSS CONNECTION TEST (Check methodology)

Individual Pressurization (5.1.12.4.3.1) ☒

Pressure Differential (5.1.12.4.3.2) ☐

ZONE VALVE BOX	<u>Location:</u>		Outside of Procedure 147		
	<u>Area Served:</u>		Procedure 147		
Gas / Vacuum	Proper Labeling	Standing Pressure Test	Pressure Gauges	Cross Connection Test	Pass / Fail
Oxy	P	P	P	P	P
MA	P	P	P	P	P
Vac	P	P	P	P	P
N2O	P	P	P	P	P
N2	P	P	P	P	P
CO2	P	P	P	P	P

AREA ALARM PANEL	<u>Location:</u>		Inside of Procedure 147			
	<u>Area Served:</u>		Procedure 147			
System Line Pressure	Low Alarm	High Alarm	Audible Visual Signals	Test Switch	Sensor Location Pass / Fail	Pass / Fail
52	40	60	P	P	P	P
50	40	60	P	P	P	P
19	12	NA	P	P	P	P
50	40	60	P	P	P	P
171	145	200	P	P	P	P
52	40	60	P	P	P	P

Comments:



Medical Gas & Vacuum Zone Valve & Alarm Panel

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CROSS CONNECTION TEST (Check methodology)

Individual Pressurization (5.1.12.4.3.1) ☒

Pressure Differential (5.1.12.4.3.2) ☐

ZONE VALVE BOX	Location:		Outside of Procedure Branch 148			AREA ALARM PANEL	Location:		Inside of Procedure Branch 148			
	Area Served:		Procedure Branch 148				Area Served:		Procedure Branch 148			
Gas / Vacuum	Proper Labeling	Standing Pressure Test	Pressure Gauges	Cross Connection Test	Pass / Fail	System Line Pressure	Low Alarm	High Alarm	Audible Visual Signals	Test Switch	Sensor Location Pass / Fail	Pass / Fail
Oxy	P	P	P	P	P	52	40	60	P	P	P	P
MA	P	P	P	P	P	50	40	60	P	P	P	P
Vac	P	P	P	P	P	19	12	NA	P	P	P	P
N2O	P	P	P	P	P	50	40	60	P	P	P	P
N2	P	P	P	P	P	171	145	200	P	P	P	P
CO2	P	P	P	P	P	52	40	60	P	P	P	P

Comments:



Medical Gas & Vacuum Outlets

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Medical Technology Associates, Inc.

FACILITY:	St. Luke's East- ASC	DATE:	7/24/2024
CUSTOMER:	P1 Group	TECH:	Clint Williams/ Clark Zeit
AREA:	Procedure rooms 145, 146, 147 148, Rooms 124-138 and Rooms 139-141 (A-E) & existing procedures 1 & 2		

NA = Not Applicable / ND = None Detected / P = Passed / F = Failed / SC = See Comment

**** Station Abbreviations: **W = Wall **D = Hose Drop **P = Pedestal **C = Arm, Boom, Column or Pendant**

Test #	Location	** Station W,D,P,C	Type of Gas	Gas Purge Test	Operational Pressure Test (Gases)			Adjacent Inlet Test (Vacuum)		Pass / Fail
					Flow 3.5 (5.0 N2) SCFM	Drop (PSIG)	Trans Flow Test (SCFM)	3.0 (SCFM)	Pressure >12" Hg	
1	Procedure 145	D	Oxy	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 145	D	MA	NA	>3.5	<5.0	10	NA	NA	P
2	Procedure 145	D	Vac	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 145	D	WAGD	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 145	D	N2O	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 145	D	CO2	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 145	D	N2	NA	>5.0	<5.0	10	NA	NA	P
1	Procedure 145	W	N2	NA	>5.0	<5.0	10	NA	NA	P
1	Procedure 145	W	CO2	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 145	W	Vac	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 146	D	Oxy	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 146	D	MA	NA	>3.5	<5.0	10	NA	NA	P
2	Procedure 146	D	Vac	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 146	D	WAGD	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 146	D	N2O	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 146	D	CO2	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 146	D	N2	NA	>5.0	<5.0	10	NA	NA	P
1	Procedure 146	W	N2	NA	>5.0	<5.0	10	NA	NA	P
1	Procedure 146	W	CO2	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 146	W	Vac	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 147	D	Oxy	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 147	D	MA	NA	>3.5	<5.0	10	NA	NA	P
2	Procedure 147	D	Vac	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 147	D	WAGD	NA	NA	NA	NA	>3.0	>12	P
1	Procedure 147	D	N2O	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 147	D	CO2	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 147	D	N2	NA	>5.0	<5.0	10	NA	NA	P
1	Procedure 147	W	N2	NA	>5.0	<5.0	10	NA	NA	P
1	Procedure 147	W	CO2	NA	>3.5	<5.0	10	NA	NA	P
1	Procedure 147	W	Vac	NA	NA	NA	NA	>3.0	>12	P

Additional Outlets may be continued on following sheets.

Comments:

