

LOUIS STOKES VA MEDICAL CENTER, CLEVELAND  
STEAM TRAP MONITORING SYSTEM, INSULATION AND PIPING UPGRADES

STEAM TRAP TAG NO.	LOCATION	TRAP DRAWING REFERENCE NO.	AREA	TRAP TYPE	ELEV. AFF	TRAP MODEL, MFG. & PIPE SIZE	P/N	EQUIPMENT SERVED	COND	REMARKS	NO WORK REQUIRED	TRAP MONITOR	TRAP REPAIR	REMOVE CONDENSATE LEAK	REPAIR STEAM TRAP	COLD STEAM TRAP	REPLACE COPPER PIPE & UNIONS	SERVICE BREAKERS	STRAINER	REPIPE ELEVATED CONDENSATE PIPE	RELOCATE ELEVATED OUTSIDE AHUS	REMOVABLE INSULATION JACKETS	HARD PIPE INSULATION	MISC.		
86	BASEMENT MECH. ROOM B-E280 HEAT EXCHANGER	3-8-3	3	F	2	2" SPRAXX FT-30	10	HEAT EXCHANGER	OK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #85. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #85K-SK-30 STEAM TRAP REPAIR KIT. INSPECTED 7/26/12.																
87	BASEMENT MECH. ROOM B-E280 ABOVE AHU-1 - AC31 SUPPLY	3-8-3	3	F	11	3/4" SPRAXX FT-30	10	STEAM MAIN	LK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #88. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #88K-SK-30 STEAM TRAP REPAIR KIT. ELEVATED CONDENSATE PUMP IN WRONG LOCATION. REPIPE FOR GRAVITY DRAINAGE OR VACUUM BREAKER. INSPECTED 7/26/12.																
88	BASEMENT MECH. ROOM B-E280 AHU-1 - AC31 COIL	3-8-3	3	F	1	2" SPRAXX FT-30	10	HEAT EXCHANGER	OK/LK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #89. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #89K-SK-30 STEAM TRAP REPAIR KIT. ELEVATED CONDENSATE PUMP IN WRONG LOCATION. REPIPE FOR GRAVITY DRAINAGE OR VACUUM BREAKER. INSPECTED 7/26/12.																
89	BASEMENT MECH. ROOM B-E280 AHU-1 - AC31 COIL	3-8-3	3	F	2	2" SPRAXX FT-30	10	HEAT EXCHANGER	OK/LK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #90. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #90K-SK-30 STEAM TRAP REPAIR KIT. ELEVATED CONDENSATE PUMP IN WRONG LOCATION. REPIPE FOR GRAVITY DRAINAGE OR VACUUM BREAKER. INSPECTED 7/26/12.																
90	BASEMENT MECH. ROOM B-E280 AHU-1 - AC32	3-8-3	3	F	2	1 1/2" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #91. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #91K-SK-15 STEAM TRAP REPAIR KIT. ELEVATED CONDENSATE PUMP IN WRONG LOCATION. REPIPE FOR GRAVITY DRAINAGE OR VACUUM BREAKER. INSPECTED 7/26/12.																
91	BASEMENT MECH. ROOM B-E280 AHU-1 - AC32	3-8-3	3	F	2	1 1/2" B&F FT2015-6	10M	STEAM COIL	OK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #92. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #92K-SK-15 STEAM TRAP REPAIR KIT. ELEVATED CONDENSATE PUMP IN WRONG LOCATION. REPIPE FOR GRAVITY DRAINAGE OR VACUUM BREAKER. INSPECTED 7/26/12.																
92	BASEMENT MECH. ROOM B-E280 AHU-1 - AC32	3-8-3	3	F	5	1 1/4" SPRAXX FT-15	10	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #93K-SK-15 FACE PLATE REPAIR KIT. ELEVATED CONDENSATE REPIPE. INSPECTED 7/26/12.																
93	BASEMENT MECH. ROOM B-E280 NORTH	3-8-3	3	F	3	3/4" SPRAXX FT-15	10M	HUMIDIFIER	CO	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL #94K-SK-15 FACE PLATE KIT. SHOULD HAVE VSTRAINER TO PROTECT STEAM TRAP. INSPECTED 7/26/12.																
94	BASEMENT MECH. ROOM B-E280 SUPPLY DRIP TO HUMIDIFIER	3-8-3	3	F	4	3/4" SPRAXX FT-15	10	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #95K-SK-15 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.																
95	BASEMENT MECH. ROOM B-E280 AHUS SUPPLY DRIP	3-8-3	3	F	8	3/4" SPRAXX FT-15	10	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #96K-SK-15 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.																
96	BASEMENT MECH. ROOM B-E280 AHUS STEAM COIL	3-8-3	3	F	1	1 1/4" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #97K-SK-15 FACE PLATE REPAIR KIT. HAS VACUUM BREAKER ON STEAM INLET. SIE CONDENSATE ELEVATED. REPIPE. INSPECTED 7/26/12.																
97	BASEMENT MECH. ROOM B-E280 AHUS STEAM COIL	3-8-3	3	F	3	1" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #98K-SK-15 FACE PLATE REPAIR KIT. HAS VACUUM BREAKER ON STEAM INLET. SIE CONDENSATE ELEVATED. REPIPE. INSPECTED 7/26/12.																
98	BASEMENT MECH. ROOM B-E280 PRV STATION UPFEED VALVE	3-8-3	3	B	4	1/2" SPRAXX B1H-125	10	STEAM MAIN	CP	HAS NEW 1/2" SPRAXX B1H-125 INVERTED BUCKET STEAM TRAP. STEAM TRAP IS COLD/PLUGGED. SHOULD BE HOT. CHECK FOR RESTRICTIONS IN CONDENSATE LINE. IF REQUIRED, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
99	BASEMENT MECH. ROOM B-E280 PRV STATION LOWFEED VALVE	3-8-3	3	B	4	1/2" SPRAXX B1H-125	10	STEAM MAIN	OK	HAS NEW 1/2" SPRAXX B1H-125 INVERTED BUCKET STEAM TRAP. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
100	BASEMENT MECH. ROOM B-E280 HIGH PRESSURE DRIP	3-8-3	3	D	3	1/2" SPRAXX TD-L	115	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH NEW 1/2" SPRAXX B1H-125 OR 1/2" ARNSTROM #811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.																
101	BASEMENT EQUIP. ROOM B-E280 NORTH	3-8-3	3	F	7	3/4" NORTH-198-98	10	MANIFOLD DRIP	BT	REPAIR DEFECTIVE STEAM TRAP WITH TUNSTALL #99K-SK-15 FACE PLATE REPAIR KIT. SHOULD HAVE VSTRAINER TO PROTECT STEAM TRAP. INSPECTED 7/26/12.																
102	BASEMENT EQUIP. ROOM B-E280 NORTH	3-8-3	3	F	9	3/4" SPRAXX FT-15	10	HUMIDIFIER	OK	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL #100K-SK-15 FACE PLATE REPAIR KIT. SHOULD HAVE VSTRAINER TO PROTECT STEAM TRAP. INSPECTED 7/26/12.																
103	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	D	1	TECHNO-COILS TCEB#8	10	STEAM MAIN	CO	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH NEW 3/4" SPRAXX B1H-125 OR 3/4" ARNSTROM #811-125 INVERTED BUCKET STEAM TRAP. CONDENSATE ELEVATED 8 FT. INSPECTED 7/26/12.																
104	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	4	3/4" SPRAXX B1H-125	10	HUMIDIFIER	CO	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP. COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH SPRAXX #8004 REPAIR KIT. CONDENSATE ELEVATED 8 FT. INSPECTED 7/26/12.																
105	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	4	3/4" SPRAXX B1H-125	10	STEAM MAIN	OK	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
106	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	F	3	1 1/2" SPRAXX FT-15	10M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #101K-SK-15 STEAM TRAP REPAIR KIT. INSPECTED 7/26/12.																
107	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	F	3	2" SPRAXX FT-15	10M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #102K-SK-15 STEAM TRAP REPAIR KIT. INSPECTED 7/26/12.																
108	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	D	4	TECHNO-COILS TCEB#8	10	HUMIDIFIER	CP	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH NEW 3/4" SPRAXX B1H-125 OR 3/4" ARNSTROM #811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.																
109	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	4	3/4" SPRAXX B1H-125	10	HUMIDIFIER	OK	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
110	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	4	3/4" SPRAXX B1H-125	10	HUMIDIFIER	OK	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
111	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	4	3/4" SPRAXX B1H-125	10	HUMIDIFIER	LK	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
112	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	4	3/4" SPRAXX B1H-125	10	HUMIDIFIER	OK	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
113	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	4	3/4" SPRAXX B1H-125	10	HUMIDIFIER	CO	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
114	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	D	4	TECHNO-COILS TCEB#8	10	HUMIDIFIER	CO	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH NEW 3/4" SPRAXX B1H-125 OR 3/4" ARNSTROM #811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.																
115	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	D	4	TECHNO-COILS TCEB#8	10	HUMIDIFIER	CO	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH NEW 3/4" SPRAXX B1H-125 OR 3/4" ARNSTROM #811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.																
116	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	3	3/4" ARNSTROM #80	0	STEAM MAIN	CO	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH ARNSTROM #800 P&A REPAIR KIT. 7/6" ORIFICE AND BODY GASKET. INSPECTED 7/26/12.																
117	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	8	3/4" SPRAXX B1H-125	10	STEAM MAIN	OK	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXX #8004 REPAIR KIT. INSPECTED 7/26/12.																
118	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	8	3/4" ARNSTROM #11	48	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH ARNSTROM #811 P&A REPAIR KIT. 1/8" ORIFICE AND BODY GASKET. INSPECTED 7/26/12.																
119	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	F	5	1" NICHOLSON FTN-30	10	HUMIDIFIER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH ARNSTROM #812 P&A REPAIR KIT. 5/32" ORIFICE AND BODY GASKET. NEW TRAP. NEW TAG. INSPECTED 7/26/12.																
120	BASEMENT MECH. ROOM B-E280 NORTH	3-1-4	4	B	1	3/4" ARNSTROM #12	10	HUMIDIFIER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH ARNSTROM #812 P&A REPAIR KIT. 5/32" ORIFICE AND BODY GASKET. NEW TRAP. NEW TAG. INSPECTED 7/26/12.																
124	BASEMENT MECH. ROOM B-E280 NORTH	3-2-6	5	D	4	3/4" PROCOILS TECHNO-COILS TCEB#8	10M	STEAM COIL	CO	STEAM TRAP IS COOL OUT OF SERVICE BEING REMOVED DUE TO NEW CONSTRUCTION. IF REQUIRED, REPAIR WITH NEW 3/4" TUNSTALL #103K-SK-15 STEAM TRAP REPAIR KIT. INSPECTED 7/26/12.																
125	BASEMENT MECH. ROOM B-E280 NORTH	3-2-6	5	F	1	1 1/2" SPRAXX FT-15	10M	STEAM COIL	CO	STEAM TRAP IS COOL OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL #104K-SK-15 STEAM TRAP REPAIR KIT. INSPECTED 7/26/12.																
126	BASEMENT MECH. ROOM B-E280 NORTH	3-2-6	5	F	4	1 1/2" DUNHAM B039 40-715	10M	STEAM COIL	OK/LK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH NEW TUNSTALL #105K-SK-15 STEAM TRAP SERVICE VACUUM BREAKER. OPEN TO ATMOSPHERE. INSPECTED 7/26/12.																
127	BASEMENT MECH. ROOM B-E280 NORTH	3-2-6	5	B	4	3/4" SPRAXX B1H-125	10	STEAM MAIN	CO	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS COOL OUT OF SERVICE. AHU MAY BE TAKEN OUT OF SERVICE. IF REQUIRED, REPAIR WITH SPRAXX #8004 REPAIR KIT. HAS COPPER CONDENSATE DISCHARGE LINE. INSPECTED 7/26/12.																
128	BASEMENT MECH. ROOM B-E280 NORTH	3-2-6	5	B	1	3/4" SPRAXX B1H-15	10M	STEAM COIL	CO	STEAM TRAP IS COOL OUT OF SERVICE. AHU MAY BE TAKEN OUT OF SERVICE. IF REQUIRED, REPAIR WITH SPRAXX #8004 REPAIR KIT. HAS COPPER CONDENSATE DISCHARGE LINE. INSPECTED 7/26/12.																

NOTES:

1. REPLACE TEMPERATURE SWITCH.
2. REPAIR OR REPLACE PUMP. SEE DETAIL 3, ON DWG. 1-02, SPECIFICATION 22.23.13.
3. REMOVE EXISTING TRAP 104 AND REPLACE WITH NEW PUMP/TRAP. SEE SCHEDULE ON DWG. 1-02.

COLUMN REFERENCE NOTES:

1. FURNISH AND INSTALL AN ACOUSTIC WIRELESS STEAM TRAP MONITORING SENSOR PER SPECIFICATIONS SECTION 23221.3.
2. REPLACE OR REPAIR STEAM TRAP IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.
3. REMOVE STEAM TRAP AND ALL ABANDONED CONDENSATE PIPING TO A POINT WHERE THE CONDENSATE LINE BE LIVE. CAP.
4. REPAIR STEAM CONDENSATE LEAK IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.
5. COLD STEAM TRAPS - REPAIR THE VALVES, CONTROLS ETC. AS DESCRIBED IN THE REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NONFUNCTIONING STEAM TRAP THAT WERE FOUND TO BE COLD. FIX ALL ITEMS FOUND TO BE NEEDING REPAIR. FOR PURPOSES OF THIS BID, ASSUME THE CONTROL VALVES REQUIRED REPAIR OR REPLACEMENT.
6. REPLACE THE EXISTING COPPER PIPING WITH NEW STEEL PIPE AND REPAIR THE EXISTING DIELECTRIC UNIONS AND WELDS WITH EQUIVALENT SIZES. SEE THE REMARKS COLUMN FOR REQUIRED WORK. SEE THE SPECIFICATIONS FOR THE REQUIRED MATERIALS AND FITTINGS. INSULATE ALL NEW & EXISTING LIVE PIPE.
7. FURNISH AND INSTALL NEW STEAM VACUUM BREAKERS IN ACCORDANCE WITH THE REMARKS COLUMN.

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STEAM TRAP AND WORK SCHEDULE

Approved: Project Director

STEAM TRAP MONITORING, INSULATION AND PIPING UPGRADES

LOCATION: VAMC - WADE PARK  
Date: 12-21-12  
Checked: JWH  
Drawn: JMF

Project Number

541-12-115  
Building Number: 1  
Drawing Number: 2-03

Office of Management

Department of Veterans Affairs

