



LOUIS STOKES VA MEDICAL CENTER - CLEVELAND																												
STEAM TRAP MONITORING SYSTEM, INSULATION AND PIPING UPGRADES																												
STEAM TRAP TAG NO.	LOCATION	TRAP DRAWING LOCATION	AREA	TRAP TYPE	ELEV. AFF.	TRAP MODEL, MFG. & PIPE SIZE	P.I.N.	EQUIPMENT SERVED	COND.	REMARKS			①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬			
41	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	F	3	3/4" SPRAX FT-30	12	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.																		
42	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	F	3	3/4" ARMSTRONG 15-83	12	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL 1RK-15-83 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.				X			X											
43	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	F	3	3/4" ARMSTRONG 15-83	12	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL 1RK-15-83 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.				X			X											
44	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	F	3	3/4" SPRAX FT-30	12	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL 1PF-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.					X								X					
45	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	B	2	3/4" SPRAX BIH-125	50	STEAM MAIN DMP	OK	STEAM TRAP IS OK. BUT SHOWS WEAR. WHEN WORK, REPLACE WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.				X									X					
46	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	D	2	3/4" SPRAX TD-52	115	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAX #8004 REPAIR KIT. 5 FT. OF 3" 115 PSIG BARE STEAM PIPE NEEDS INSULATION. REPLACE HOFFMAN AIR VENT WITH TUNSTALL VB-34 STEAM SERVICE VACUUM BREAKER. INSPECTED 7/26/12.																		
47	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	B	3	3/4" SPRAX BIH-15	10M	STEAM COIL	OK	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH SPRAX #8001 REPAIR KIT. INSPECTED 7/26/12.				X			X						X					
48	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	B	6	3/4" SPRAX BIH-15	10	UNIT HEATER	CO	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAX BIH-125 INVERTED BUCKET TRAP. WHEN WORK, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.																		
49	SUB BASEMENT STAIRWELL #8 MECH. ROOM 02	3-SB-2	2	B	6	3/4" SPRAX BIH-125	10	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAX BIH-125 INVERTED BUCKET TRAP. WHEN WORK, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.				X														
51	SUB BASEMENT DOOR #6 COL. M23	3-SB-4	4	B	1	3/4" SPRAX BI29H125	115	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.				X														
52	SUB BASEMENT COL. L24	3-SB-4	4	D	3	3/4" PROICIENT TECHNOLOGIES TGB832	115	STEAM MAIN DMP	CP	STEAM TRAP IS COLD-LOGGED. REPLACE STEAM TRAP WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #11-125 INVERTED BUCKET STEAM TRAP. WHEN WORK, REPAIR WITH SPRAX #8004 REPAIR KIT. 10 FT. OF 2" BARE STEAM PIPE NEEDS INSULATION. INSPECTED 7/26/12.				X			X		X					X				
53	SUB BASEMENT COL. Q24	3-SB-2	2	D	5	3/4" SPRAX TD-52	115	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #11-125 INVERTED BUCKET STEAM TRAP. TRAP WILL NEED TO BE BUSHED DOWN TO 38". INSPECTED 7/26/12.				X										X				
54	SUB BASEMENT COL. Q27	3-SB-2	2	B	4	1/2" SPRAX BIH-125	115	STEAM MAIN DMP	CO	REPAIR KIT. 1/2" NIPPLE OPEN. SHOULD BE CARPED FOR SAFETY. INSPECTED 7/26/12.				X														
55	SUB BASEMENT COL. Q29	3-SB-2	2	B	3	1/2" SPRAX BIH-125	115	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. HAS NEW 1/2" SPRAX BIH-125 INVERTED BUCKET TRAP. IF REQUIRED, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.					X													
56	SUB BASEMENT COL. Q26	3-SB-2	2	B	3	1/2" SPRAX BIH-125	116	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. HAS NEW 1/2" SPRAX BIH-125 INVERTED BUCKET TRAP. BY-PASS DISCONNECTED. IF REQUIRED, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.					X													
57	SUB BASEMENT STAIRWELL #5 COL. M23	3-SB-4	4	B	1	3/4" SPRAX BIH-125	30	STEAM MAIN DMP	OK	STEAM TRAP IS OK. HAS NEW 3/4" SPRAX BIH-125 INVERTED BUCKET TRAP. WHEN WORK, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.				X														
58	SUB BASEMENT DOOR #6 COL. V19	3-SB-1	1	B	3	1/2" SPRAX BIH-125	0	DRP TRAP	CP	STEAM TRAP IS COLD-LOGGED. HAS NEW 1/2" SPRAX BIH-125 INVERTED BUCKET TRAP. IF REQUIRED, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.				X			X											
59	SUB BASEMENT DOOR #6 COL. V19	3-SB-1	1	B	3	1/2" SPRAX BIH-125	0	DRP TRAP	CP	STEAM TRAP IS COLD-LOGGED. HAS NEW 1/2" SPRAX BIH-125 INVERTED BUCKET TRAP. IF REQUIRED, REPAIR WITH SPRAX #8004 REPAIR KIT. 10 FT. OF 2" BARE STEAM PIPE NEEDS INSULATION. INSPECTED 7/26/12.					X		X						X					
61	SUB BASEMENT COL. M12	3-SB-1	1	D	2	1/2" SPRAX TD-5L	12	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #11-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.													X					
63	SUB BASEMENT COL. J5K3K35	3-SB-4	4	B	3	3/4" ARMSTRONG #80	15	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. DISCONNECTED. IF REQUIRED, REPLACE WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #11-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.						X												
64	SUB BASEMENT DOOR STAIRWELL #5 COL. M-18	3-SB-1	1	D	3	3/4" PROICIENT TECHNOLOGIES TGB832	0	STEAM MAIN DMP	CO	STEAM TRAP IS COLD OUT OF SERVICE. REPLACE WITH NEW 1/2" SPRAX BIH-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. 8 OUNCE VALVE LEAKS STEAM. REPAIR. INSPECTED 7/26/12.				X			X											
65	SUB BASEMENT DOOR STAIRWELL #5 COL. K-17	3-SB-3	3	D	1	3/4" SPRAX TD-52	40	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. 3/4" STEAM PIPE COULET UNION LEAKS STEAM. REPAIR. INSPECTED 7/26/12.						X												
66	SUB BASEMENT STAIRWELL #5 COL. L-12	3-SB-3	3	D	2	3/4" SPRAX TD-52	40	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.																		
67	SUB BASEMENT COL. P-2	3-SB-1	1	D	3	3/4" PROICIENT TECHNOLOGIES TGB832	15	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. 8 FT. OF 3" 115 PSIG BARE STEAM PIPE NEEDS INSULATION. INSPECTED 7/26/12.													X					
68	SUB BASEMENT COL. P-5	3-SB-1	1	B	3	3/4" SPRAX BIH-125	15	STEAM MAIN DMP	CP	STEAM TRAP IS COLD-LOGGED. HAS NEW 3/4" SPRAX BIH-125 INVERTED BUCKET TRAP. IF REQUIRED, REPAIR WITH SPRAX #8004 REPAIR KIT. STEAM TRAP INLET VALVE FROZEN. CLOSED. INSPECTED 7/26/12.							REPLACE VALVE											
69	SUB BASEMENT COL. L2	3-SB-3	3	B	3	1/2" SPRAX BIH-125	15	STEAM MAIN DMP	OK	STEAM TRAP IS OK. HAS NEW 1/2" SPRAX BIH-125 INVERTED BUCKET TRAP. WHEN WORK, REPAIR WITH SPRAX #8004 REPAIR KIT. INSPECTED 7/26/12.				X														
70	SUB BASEMENT COL. N6 NEAR PLUMB. SHOP SUMP PUMP	3-SB-1	1	F	1	1" NICHOLSON FTM-25	115	STEAM MAIN DMP	BLTK	REPAIR DEFECTIVE STEAM TRAP WITH TUNSTALL 1PF-SA-30 FACE PLATE REPAIR KIT. STEAM LEAKS AT UNION OUTLET AND STEAM TRAP BODY GASKET. REPAIR. INSPECTED 8/13/12.				X			X											
71	SUB BASEMENT ENGINEER DOOR COL. W8	3-SB-1	1	F	1	3/4" TT FT1125	115	STEAM MAIN DMP	LK	REPAIR DEFECTIVE STEAM TRAP WITH TUNSTALL 1PF-SA-125 FACE PLATE REPAIR KIT. CONDENSATE LINE DISCHARGE INTO BOTTOM OF CONDENSATE MAIN. SHOULD RE-PIPE. INSPECTED 7/26/12.					X								NOTE 1					
72	SUB BASEMENT DOOR #4 COL. D12	3-SB-3	3	D	1	1/2" SPRAX TD-52	20	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPLACE WITH NEW 1/2" SPRAX BIH-125 OR 1/2" ARMSTRONG #11-125 INVERTED BUCKET STEAM TRAP. 3 FT. OF 3" 115 PSIG BARE STEAM PIPE NEEDS INSULATION. INSPECTED 7/26/12.							X						X					
74	SUB BASEMENT COL. A14	3-SB-3	3	D	3	3/4" PROICIENT TECHNOLOGIES TGB832	0	STEAM MAIN DMP	CO	STEAM TRAP IS COLD-LOGGED. NOT IN SERVICE. IF REQUIRED, REPLACE WITH NEW 3/4" SPRAX BIH-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.						X												
75	SUB BASEMENT DOOR #4 STAIRWAY COL. L12	3-SB-3	3	D	1	1/2" SPRAX TD-52	40	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPLACE WITH NEW 1/2" SPRAX BIH-125 OR 1/2" ARMSTRONG #11-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.																		
76	SUB BASEMENT DOOR #4 STAIRWAY COL. H14	3-SB-3	3	B	3	1/2" STRONG #800 (B)	0	STEAM MAIN DMP	CO	STEAM TRAP IS DISCONNECTED. NOT IN SERVICE. IF REQUIRED, REPLACE WITH NEW 1/2" ARMSTRONG #11-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/26/12.						X												
77	SUB BASEMENT DOOR #250 COL. V12	3-SB-1	1	F	3	1" NICHOLSON FTM-25	115	STEAM MAIN DMP	OK	STEAM TRAP IS OK. SHOWS SOME WEAR. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-125 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.													X					
78	SUB BASEMENT DOOR #250 COL. Y-12 UNDER STAIRS	3-SB-1	1	F	3	3/4" SPRAX FT30	15	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.				X														
79	SUB BASEMENT BY PRN STATION COL. V12	3-SB-1	1	B	2	1/2" SPRAX BIH-125	15	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-30 FACE PLATE REPAIR KIT. ELEVATED CONDENSATE 48" SHOULD BE RE-PIPED FOR GRAVITY DRAINAGE. INSPECTED 7/26/12.													X					
81	BASEMENT MECH. ROOM B-2201 AHU-HAC31	3-B-3	3	F	2	3/4" HOFFMAN FT019H	10	HUMIDIFIER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.																		
82	BASEMENT MECH. ROOM B-2201 SUPPLY DRIP TO HEAT EXCHANGER	3-B-3	3	F	5	3/4" SPRAX FT-30	10	STEAM MAIN DMP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-30 FACE PLATE REPAIR KIT. INSPECTED 7/26/12.													X					
83	BASEMENT MECH. ROOM B-2201 HEAT EXCHANGER	3-B-3	3	F	2	2" SPRAX FT-30	10	HEAT EXCHANGER	OK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #84. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-30 STEAM TRAP BREAKER. INSPECTED 7/26/12.													X					
84	BASEMENT MECH. ROOM B-2201 HEAT EXCHANGER	3-B-3	3	F	2	2" SPRAX FT-30	10	HEAT EXCHANGER	OK	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #83. STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 1PF-SA-30 STEAM TRAP BREAKER KIT. INSPECTED 7/26/12.													X					
85	BASEMENT MECH. ROOM B-2201 HEAT EXCHANGER	3-B-3	3	F	2	2" SPRAX FT-30	10	HEAT EXCHANGER	CP	STEAM TRAP INSTALLED IN PARALLEL WITH TRAP #86. STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL 1PF-SA-30 STEAM TRAP REPAIR KIT. HAS BAD CONTROL VALVE. HAS 1/2" SPRAX VS204 AIR VENT IN SHELL. REMOVE AIR VENT AND REPLACE WITH TUNSTALL VB-34 STEAM SERVICE VACUUM BREAKER. INSPECTED 7/26/12.															X			
																										NOTE 2		

NOTES:

1. REPIPE CONDENSATE LINE INTO TOP OF CONDENSATE MAIN.
2. MAKE CORRECTIONS NOTED IN REMARKS COLUMN.

2. MAKE CORRECTIONS NOTED IN REMARKS COLUMN.

COLUMN REFERENCE NOTES:

① FURNISH AND INSTALL AN ACOUSTIC WIRELESS STEAM TRAP MONITORING SENSOR PER SPECIFICATIONS, SECTION 232213

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 IS LIVE. CAP

REPAIR STEAM/CONDENSATE LEAK IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN

⑮ COLD STEAM TRAPS: REPAIR THE VALVES, CONTROLS ETC. AS DESCRIBED IN THE REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NON-FUNCTIONING 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 REQUIRE REPAIR OR REPLACEMENT).

⑥ REPLACE THE EXISTING COPPER PIPING WITH NEW STEEL PIPE AND REPLACE THE EXISTING DIELECTRIC UNIONS AND NIPPLES WITH EQUIVALENT SIZES. SEE THE REMARKS COLUMN FOR REQUIRED JOBBY. SEE THE SPECIFICATIONS FOR THE REQUIRED MATERIALS AND FITTINGS. INSTALL ALL NEW & EXISTING RACE PIPE.

⑦ FURNISH AND INSTALL NEW STEAM VACUUM BREAKERS IN ACCORDANCE WITH THE REMARKS COLUMN.

[illegible]