

LOUIS STOKES VA MEDICAL CENTER - CLEVELAND																							
STEAM TRAP MONITORING SYSTEM, INSULATION AND PIPING UPGRADES																							
STEAM TRAP TAG NO.	LOCATION	TRAP DRAWING REFERENCE NO. LOCATION	AREA	TRAP TYPE	ELEV. AFF.	TRAP MODEL, MFG. & PIPE SIZE	P IN	EQUIPMENT SERVED	COND	REMARKS	NO WORK REQUIRED	TRAP MONITOR	TRAP REPAIR	REMOVE TRAP & PIPING	REPAIR STEAM/ CONDENSATE LEAK	COLD STEAM TRAP DETECT ALT NO. 1	REFLUE STEAM PIPE UNIONS DEDUCT ALT NO. 2	SERVICE STRAINER	REPAIR ELEVATED CONDENSATE PIPE	RELOCATE TRAPS TO OUTSIDE AHUS	REMOVABLE INSULATION JACKETS	HARD PIPE INSULATION	MISC.
336	STAIRWELL #6 MAIN PENHOUSE HUMIDIFIER MANIFOLD INSIDE AHU-17 INSIDE AHU	3-14-2	2	O	4	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	0	HUMIDIFIER DRIP MANIFOLD	CO	STEAM TRAP IS COULD OUT OF SERVICE. POSSIBLY NOT IN USE. IF REQUIRED, REPLACE WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. STEAM TRAP INSTALLED INSIDE AC-17. SHOULD RELOCATE OUTSIDE UNIT FOR EASE OF MAINT.			X			X				X		X	
337	STAIRWELL #6 MAIN PENHOUSE HUMIDIFIER MANIFOLD INSIDE AHU-17	3-14-2	2	D	8	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	0	HUMIDIFIER DRIP MANIFOLD	CO	STEAM TRAP IS COULD OUT OF SERVICE. POSSIBLY NOT IN USE. IF REQUIRED, REPAIR WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. STEAM TRAP INSTALLED INSIDE AC-17. SHOULD RELOCATE OUTSIDE UNIT FOR EASE OF MAINT.			X			X				X		X	
337A	STAIRWELL #6 MAIN PENHOUSE HUMIDIFIER MANIFOLD INSIDE AHU-17	3-14-2	2	0	7	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	0	HUMIDIFIER DRIP MANIFOLD	CO	STEAM TRAP IS COULD OUT OF SERVICE. POSSIBLY NOT USED. IF REQUIRED, REPLACE WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. STEAM TRAP INSTALLED INSIDE AC-17. SHOULD RELOCATE OUTSIDE UNIT FOR EASE OF MAINT.			X			X				X		X	
338	STAIRWELL #6 MAIN PENHOUSE STEAM COIL SUPPLY DRIP INSIDE AC-17	3-14-2	2	B	8	3/4" ARNSTONG 880	10	STEAM MAN DRIP	OK	STEAM TRAP COULD OUT OF SERVICE. WHEN WORK, REPAIR WITH ARNSTONG 880 PCA REPAIR KIT. 1/8" ORFICE AND BODY GASKET.										X		X	
338A	STAIRWELL #6 MAIN PENHOUSE STEAM COIL SUPPLY DRIP INSIDE AC-17	3-14-2	2	B	8	3/4" ARNSTONG 880	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH ARNSTONG 880 PCA REPAIR KIT. 1/8" ORFICE AND BODY GASKET. STEAM TRAP INSTALLED INSIDE AC-17. SHOULD RELOCATE OUTSIDE UNIT FOR EASE OF MAINT. INSPECTED 7/31/12										X		X	
339	STAIRWELL #6 MAIN PENHOUSE STEAM SUPPLY DRIP AC-18N	3-14-2	2	B	20	3/4" SPRAX BXH-125	10	STEAM MAN DRIP	CP	STEAM TRAP IS COULD BE HOT. NEW TRAP. CHECK FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH SPRAX 88004 REPAIR KIT. INSPECTED 7/27/12.			X			X						X	
340	STAIRWELL #6 MAIN PENHOUSE STEAM SUPPLY DRIP AC-18N	3-14-2	2	B	20	3/4" SPRAX BXH-125	10	STEAM MAN DRIP	LK	(NEW TRAP) REPAIR DEFECTIVE STEAM TRAP WITH SPRAX 88004 REPAIR KIT. INSPECTED 7/31/12			X										
341	STAIRWELL #6 MAIN PENHOUSE L.P. DRIP ABOVE COMPRESSORS	3-14-2	2	B	8	3/4" SPRAX BXH-125	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. (NEW TRAP) WHEN WORK, REPAIR STEAM TRAP WITH SPRAX 88004 REPAIR KIT. INSPECTED 7/27/12											X		
342	STAIRWELL #6 MAIN PENHOUSE UNIT HEATER ABOVE RAY STATION	3-14-2	2	F	10	3/4" SPRAX FT-30	10	UNIT HEATER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 17P-SA-30 FACE PLATE REPAIR KIT. SHOULD HAVE 3/4" V-STRAINER TO PROTECT STEAM TRAP. INSPECTED 7/27/12									X				
343	STAIRWELL #6 MAIN PENHOUSE L.P. TAKE OFF BY AC CABINETS - HALLWAY	3-14-2	2	D	10	3/8" SPRAX TD-42	115	STEAM MAN DRIP	CP	TRAP IS COULD BE HOT. REPLACE WITH 1/2" SPRAX BXH-125 OR 1/2" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. WILL NEED TO BE BUSHED DOWN TO 3/8". LINE MAY BE OUT OF SERVICE OR CHECK FOR CONDENSATE LINE RESTRICTIONS. INSPECT. HAS COPPER CONDENSATE DISCHARGE LINE. INSPECTED 7/27/12			X			X							
344	STAIRWELL #6 MAIN PENHOUSE AC-17 NORTH L.P. SUPPLY DRIP	3-14-2	2	B	19	3/4" SPRAX BXH-125	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. (NEW TRAP) WHEN WORK, REPAIR STEAM TRAP WITH SPRAX 88004 REPAIR KIT. INSPECTED 7/27/12			X										
345	STAIRWELL #6 MAIN PENHOUSE AC-17 SOUTH L.P. SUPPLY DRIP (ABOVE TRAP #175)	3-14-2	2	B	19	3/4" SPRAX BXH-125	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. (NEW TRAP) WHEN WORK, REPAIR STEAM TRAP WITH SPRAX 88004 REPAIR KIT. HAS 3/8" SPRAX TD-52 OFF OF STRAINER BLOW DOWN (7). ABOVE STEAM TRAPS #175 & #176. INSPECTED 7/27/12			X										
346	STAIRWELL #6 MAIN PENHOUSE NORTH CORNER UNIT HEATER	3-14-2	2	B	22	3/4" SPRAX BXH-15	10	UNIT HEATER	CO	STEAM TRAP IS COULD OUT OF SERVICE. NEW TRAP. INSPECTED 7/27/12								X					
346A	STAIRWELL #6 MAIN PENHOUSE ABOVE ELECTRICAL CABINETS AT ENTRANCE	3-14-2	2	O	12	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPLACE WITH NEW 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. NEW TAG INSPECTED 7/28/12			X										
347	1ST FLOOR SPD STEILIZER #1 JACKET TRAP	3-1-4	3 AND 4	T	2	1/2" SPRAX TX-125A	70	STEILIZER	CO	STEAM TRAP COULD OUT OF SERVICE. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL 17CSA-2222 STEAM TRAP CAPSULE REPAIR KIT. INSPECTED 7/31/12						X							
348	1ST FLOOR SPD STEILIZER #1 CHAMBER TRAP	3-1-4	3 AND 4	T	2	1/2" SPRAX TX-125A	70	STEILIZER	BT	REPAIR DEFECTIVE (NEW) STEAM TRAP WITH TUNSTALL 17CSA-2222 STEAM TRAP CAPSULE KIT. INSPECTED 7/31/12.			X										
349	1ST FLOOR SPD STEILIZER #2 JACKET TRAP	3-1-4	3 AND 4	T	2	1/2" SPRAX TX-125A	70	STEILIZER	CP	NEW STEAM TRAP. STILL COULD BE HOT. INSPECT FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL 17CSA-2222 STEAM TRAP CAPSULE REPAIR KIT. INSPECTED 8/11/12			X			X							
350	1ST FLOOR SPD STEILIZER #2 CHAMBER TRAP	3-1-4	3 AND 4	T	2	1/2" SPRAX TX-125A	70	STEILIZER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL 17CSA-2222 STEAM TRAP CAPSULE REPAIR KIT. INSPECTED 7/31/12													
352	1ST FLOOR SPD STEILIZER #3 CHAMBER TRAP	3-1-4	3 AND 4	-	-	NO TRAP	70	STEILIZER	NT	NEW STEILIZER. DOES NOT HAVE STEAM TRAP. UTILIZES CONDENSING BRONZED PLATE HEAT EXCHANGER. INSPECTED 7/31/12.			X										
353	1ST FLOOR SPD DRIP ABOVE WASHER ACCESS LING LOWERS ACCESS PANEL ABOVE WASHER	3-1-4	3 AND 4	B	9	3/4" SPRAX BXH-15	70	STEAM MAN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 17P-SA-30 FACE PLATE REPAIR KIT. STEAM TRAP IS BEHIND CEILING LOWER SS ACCESS PANEL ABOVE WASHER. INSPECTED 7/31/12.			X										
354	1ST FLOOR MECH. ROOM 1B-309 H.P. DRIP	3-1-4	4	B	10	3/4" SPRAX BXH-125	115	STEAM MAN DRIP	OK	STEAM TRAP IS OK. (NEW TRAP) WHEN WORK, REPAIR STEAM TRAP WITH SPRAX 88004 REPAIR KIT. INSPECTED 8/11/12.			X										
355	1ST FLOOR MECH. ROOM 1B-309 L.P. DRIP (RISER)	3-1-4	4	F	5	3/4" DUNHAM-BUSH 40-215A	10	STEAM MAN DRIP	OK/LK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 17P-DB-15 FACE PLATE REPAIR KIT. 3 STEAM FLEANS STEAM ABOVE STEAM TRAP. REPAIR LEAK. 3 FT OF 3" BARE 10 PSIG STEAM PIPE PLUS (1) 3" WELDED 90 DEGREE ELBOW. NEEDS INSULATION. INSPECTED 8/11/12.						X						X	
356	1ST FLOOR MECH. ROOM 1B-309 POSSIBLE STEAM COIL	3-1-4	4	F	7	1 1/2" SPRAX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 17P-SA-30 IS REPAIR KIT. INSPECTED 8/11/12.			X										
357	1ST FLOOR MECH. ROOM 1B-309 L.P. DRIP	3-1-4	4	B	12	3/4" ARNSTONG 811	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH ARNSTONG 811 PCA REPAIR KIT. 1/8" ORFICE AND BODY GASKET. INSPECTED 8/11/12.										X			
358	1ST FLOOR MECH. ROOM 1B-309 POSSIBLE STEAM SUPPLY DRIP	3-1-4	4	F	7	1 1/2" SPRAX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL 17P-SA-30 IS REPAIR KIT. INSPECTED 8/11/12.											X		
359	1ST FLOOR EQUIP. ROOM S113 SF-4 AC-1 STEAM SUPPLY DRIP	3-1-7	7	B	8	3/4" SPRAX BXH-15	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. (NEW TRAP) WHEN WORK, REPAIR STEAM TRAP WITH SPRAX 88004 REPAIR KIT. HAS COPPER CONDENSATE PIPE DISCHARGE & DIELECTRIC UNION. INSPECTED 7/28/12.							X						
360	1ST FLOOR EQUIP. ROOM S113 LEFT HUMIDIFIER MANIFOLD INSIDE SF-1	3-1-7	7	D	2	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	10	HUMIDIFIER MANIFOLD DRIP	CO	STEAM TRAP IS COULD OUT OF SERVICE. WHEN WORK, REPAIR WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. HAS COPPER DISCHARGE PIPE WITH DIELECTRIC UNION. STEAM TRAP IS INSIDE SF-1. SHOULD RELOCATE TRAP OUTSIDE UNIT. INSPECTED 7/28/12			X								X		
361	1ST FLOOR EQUIP. ROOM S113 1ST FLOOR SF-1 HUMIDIFIER STEAM SUPPLY DRIP	3-1-7	7	D	6	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	0	HUMIDIFIER MANIFOLD DRIP	CO	STEAM TRAP IS COULD OUT OF SERVICE. NOT USED. IF REQUIRED, REPLACE WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/28/12.			X			X							
362	1ST FLOOR EQUIP. ROOM S113 SF-1 HUMIDIFIER MANIFOLD DRIP	3-1-7	7	D	2	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	0	HUMIDIFIER MANIFOLD DRIP	CO	STEAM TRAP IS COULD OUT OF SERVICE. NOT USED. IF REQUIRED, REPLACE WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/28/12.			X			X							
363	1ST FLOOR EQUIP. ROOM S113 HUMIDIFIER SF-1	3-1-7	7	D	1	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	0	HUMIDIFIER MANIFOLD DRIP	CO	STEAM TRAP IS COULD OUT OF SERVICE. NOT USED. IF REQUIRED, REPLACE WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/28/12.			X										
364	1ST FLOOR EQUIP. ROOM S113 AC-1 RIGHT HUMIDIFIER MANIFOLD INSIDE SF-1	3-1-7	7	D	1	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	10	HUMIDIFIER MANIFOLD DRIP	CO	STEAM TRAP IS COULD OUT OF SERVICE. NOT USED. IF REQUIRED, REPLACE WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/28/12.			X							X			
364A	1ST FLOOR RM S113 INSIDE SF-4 STEAM COIL	3-1-7	7	F	2	1.25" ARNSTONG 1985	15M	STEAM COIL	CO	STEAM TRAP COULD OUT OF SERVICE. IF NEEDED, REPAIR STEAM TRAP WITH TUNSTALL 38K-15-85 REPAIR KIT. STEAM TRAP IS INSIDE SF-1. SHOULD RELOCATE TRAP OUTSIDE UNIT. NEW TAG INSPECTED 7/28/12			X								X		
364	BASEMENT CARPENTER SHOP BY (ENGINEERING)	-	1	B	12	3/4" SPRAX BXH-15	10	STEAM MAN DRIP	OK	STEAM TRAP IS OK. (NEW TRAP) WHEN WORK, REPAIR STEAM TRAP WITH SPRAX 88004 REPAIR KIT. HAS COPPER CONDENSATE PIPE DISCHARGE & DIELECTRIC UNION. 6 FT OF 2 1/2" BARE 10 PSIG STEAM PIPE NEEDS INSULATION. INSPECTED 8/8/12.			X				X				X		
365	BASEMENT ENTRANCE MACHINE SHOP STORAGE BY SLIP.	-	1	F	9	3/4" SPRAX FT-15	10	STEAM MAN DRIP	CO	STEAM TRAP IS COULD OUT OF SERVICE. NOT USED. IF REQUIRED, REPAIR WITH TUNSTALL 17P-SA-15 FACE PLATE REPAIR KIT. INSPECTED 8/8/12.			X										
366	BASEMENT ENGINEERING SUB BASEMENT UNIT HEATER	-	1	B	7	3/4" ARNSTONG 880	10	UNIT HEATER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH ARNSTONG 880 PCA REPAIR KIT. 1/8" ORFICE AND BODY GASKET. INSPECTED 8/8/12.			X										
370	BASEMENT NEXT TO SHELL SPACE LABORATORY 4TH FLOOR EQUIPMENT ROOM	3-8-1	1	D	7	3/4" PROPOCIENT TECHNOLOGIES TGG4S8	10M	STEAM COIL	CO	STEAM TRAP IS COULD OUT OF SERVICE. NOT USED. IF REQUIRED, REPLACE WITH 3/4" SPRAX BXH-125 OR 3/4" ARNSTONG R811-125 INVERTED BUCKET STEAM TRAP. INSPECTED 8/11/12.			X			X							

1. FLUSH AND INSTALL AN ACOUSTIC WIRELESS STEAM TRAP MONITORING SENSOR PER SPECIFICATIONS.

2. REPLACE OR REPAIR STEAM TRAP IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.

3. REMOVE STEAM TRAP AND SEAL ABANDONED CONDENSATE PIPE TO A POINT WHERE THE CONDENSATE LINE IS LIVE. CAP.

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

5. COOL STEAM PIPES. REPAIR THE VALVES, CONTROLS, ETC., AS DESCRIBED IN THE REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NON-FUNCTIONING STEAM TRAP. REPAIR OR REPLACE THE STEAM TRAP IN ACCORDANCE WITH THE REPAIR SPECIFICATIONS. (FOR PURPOSES OF THIS BID SECTIONS, THE CONTROL VALVES REQUIRE REPAIR OR REPLACEMENT.) DEDUCT ALTERNATE NO. 1.

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 WORK. SEE THE SPECIFICATIONS FOR THE REQUIRED MATERIALS AND FITTINGS. INSULATE ALL NEW & EXISTING BASE PIPE. DEDUCT ALTERNATE NO. 2.

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

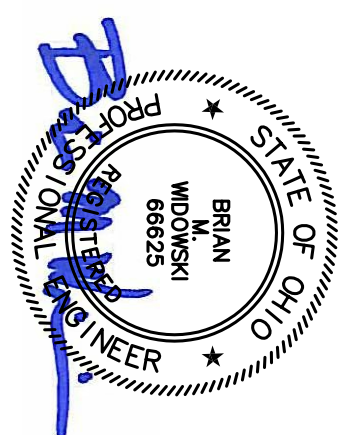
COLUMN REFERENCE NOTES:

① FURNISH AND INSTALL NEW V-STRAINERS BETWEEN SHUT-OFF VALVE AND INLET TO STEAM TRAP.
② REPIPE AND INSTALL CONDENSATE PIPING AT LOCATIONS NOTED. SEE DETAILS ON DRAWINGS. (3-PHASE) (4-03) (4-04) (4-05)
③ NO WORK REQUIRED
④ NO WORK REQUIRED
⑤ NO WORK REQUIRED
⑥ MISCELLANEOUS

CONSULTANTS:



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ARCHITECT:

Drawing Title
**STEAM TRAP AND WORK SCHEDULE
TRAPS 336-370**

Project Title
STEAM TRAP MONITORING
INSULATION AND PIPING
UPGRADES

Location	WAVE	WAVE PARK
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