

LOUIS STORES VA MEDICAL CENTER CLEVELAND																								
STEAM TRAP MONITORING SYSTEM, INSULATION AND PIPING UPGRADES																								
STEAM TRAP TAG NO.	LOCATION	TRAP DRAWING PIPE LOCATION	AREA	TRAP TYPE	ELEV. AFF.	TRAP MODEL, MFG. & PIPE SIZE	P.I.N.	EQUIPMENT SERVED	COND.	REMARKS	NO WORK REQUIRED	① TRAP MONITOR	② TRAP REPLACE/REPAIR	③ REMOVE TRAP & PIPING	④ REPAIR STEAM/CONDENSATE LEAK	⑤ COLD STEAM TRAP	⑥ REPLACE TRAP & UNIONS	⑦ SERVICE VACUUM BREAKERS	⑧ STRAINER	⑨ REPAIR INSULATION PIPE	⑩ RELOCATE TRAP TO OUTSIDE AHUS	⑪ REMOVABLE INSULATION JACKETS	⑫ HARD PIPE INSULATION	⑬ MISC.
208	EAST PENTHOUSE #28-900 EAST-0-2 AHU HUMIDIFIER		3-2-5	F	1	3/4" ARMSSTRONG 15-83	15M	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.														
207	EAST PENTHOUSE #28-900 EAST-0-2 AHU HUMIDIFIER		3-2-5	F	1	3/4" ARMSSTRONG 15-83	15M	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.	X													
206	EAST PENTHOUSE #28-900 EAST-1-1 AHU HUMIDIFIER		3-2-5	F	2	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.			X			X								
209	EAST PENTHOUSE #28-900 EAST-1-1 AHU HUMIDIFIER		3-2-5	F	3	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.				X										
210	EAST PENTHOUSE #28-900 EAST-1-1 AHU HUMIDIFIER		3-2-5	F	2	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.				X										
211	EAST PENTHOUSE #28-900 EAST-1-1 AHU HUMIDIFIER		3-2-5	F	3	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.					X									
212	EAST PENTHOUSE #28-900 EAST-1-1 UPPER DECK AHU STEAM COIL LEFT		3-2-5	F	3	1 1/2" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-5-15 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE VACUUM BREAKER ON COIL KIT. OK. INSPECTED 8/21/2.														
213	EAST PENTHOUSE #28-900 EAST-1-1 UPPER DECK AHU STEAM COIL LEFT		3-2-5	F	3	1 1/2" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-5-15 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE VACUUM BREAKER ON COIL KIT. OK. INSPECTED 8/21/2.														
214	EAST PENTHOUSE #28-900 EAST-0-1 UPPER DECK AHU STEAM COIL LEFT		3-2-5	F	2	1 1/4" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-5-15 FACE PLATE KIT. STEAM SERVICE VACUUM BREAKER IN COIL. OUTLET. INSPECTED 8/21/2.			X											
215	EAST PENTHOUSE #28-900 EAST-0-1 UPPER DECK AHU STEAM COIL RIGHT		3-2-5	F	2	1 1/4" SPRAXX FT-15	10M	STEAM COIL	LK	REPAIR DEFECTIVE STEAM TRAP WITH TUNSTALL #18K-5-15 FACE PLATE KIT. STEAM SERVICE VACUUM BREAKER IN COIL. OUTLET. INSPECTED 8/21/2.				X										
216	EAST PENTHOUSE #28-900 EAST-0-1 UPPER DECK AHU L.P. SUPPLY DRIP		3-2-5	F	7	3/4" SPRAXX FT-15	10	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-5-15 FACE PLATE KIT. INSPECTED 8/21/2.														
217	EAST PENTHOUSE #28-900 HEAT EXCHANGER RIGHT		3-2-5	F	8	1 1/2" SPRAXX FTB-200	10M	HEAT EXCHANGER	LK/LK	REPAIR DEFECTIVE STEAM TRAP WITH SPRAXX 1 1/2" FTB-200 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE AIR VENT VS204. LEAKS STEAM ON START UP. REMOVE AIR VENT. HAS VACUUM BREAKER IN SHELL. OK. INSPECTED 8/21/2.				X										
218	EAST PENTHOUSE #28-900 HEAT EXCHANGER LEFT		3-2-5	F	8	1 1/2" SPRAXX FTB-200	10M	HEAT EXCHANGER	BLKX	REPAIR DEFECTIVE STEAM TRAP WITH SPRAXX 1 1/2" FTB-200 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE AIR VENT VS204. LEAKS STEAM ON START UP. REMOVE AIR VENT. HAS VACUUM BREAKER IN SHELL. OK. INSPECTED 8/21/2.				X										
219	EAST PENTHOUSE #28-900 H.P. DRIP ABOVE CONDENSATE PUMP		3-2-5	F	14	3/4" SPRAXX B1H-125	115	STEAM MAIN	OK	HAS NEW 3/4" SPRAXX B1H-125 STEAM TRAP IS OK. WHEN WORKN, REPAIR WITH SPRAXX #80004 REPAIR KIT. INSPECTED 8/21/2.				X										
220	EAST PENTHOUSE #28-900 IN FRONT OF EAST-1-1 AHU		3-2-5	F	12	3/4" SPRAXX FT-15	10	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR WITH #18K-5-15 FACE PLATE REPAIR KIT. ELEVATED CONDENSATE 5 FT. INSPECTED 8/21/2.														
221	WEST PENTHOUSE #D-900 H.P. DRIP RW STATION AHU WEST-1-1		3-2-4	B	2	3/4" SPRAXX B1H-125	115	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR WITH SPRAXX #80004 REPAIR KIT. TRAP IS BEHIND INSPECTED 8/21/2.		X												
222	WEST PENTHOUSE #D-900 H.P. DRIP IN FRONT OF AHU WEST-1-1		3-2-4	B	10	3/4" ARMSSTRONG 811	10	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR WITH ARMSSTRONG 811 P.O. REPAIR KIT. 1/8" ORANGE AND BODY GASKET. INSPECTED 8/21/2.														
223	WEST PENTHOUSE #D-900 L.P. DRIP		3-2-4	F	2	3/4" SPRAXX FT-15	10	STEAM MAIN	OK	ELECTRICAL CLOSET #2C-126. INSPECTED 8/21/2.	X													
224	WEST PENTHOUSE #D-900 HEAT EXCHANGER NEAR CONDENSATE PUMP		3-2-4	F	4	1 1/2" SPRAXX FTB-200	10M	HEAT EXCHANGER	CO	STEAM TRAP IS COLD. OUT OF SERVICE. IF REQUIRED, REPAIR STEAM TRAP WITH SPRAXX 1 1/2" FTB-200 STEAM TRAP REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN INLET & 1/2" VS204 AIR VENT IN SHELL. INSPECTED 8/21/2.			X			X								
225	WEST PENTHOUSE #D-900 HEAT EXCHANGER NEAR CONDENSATE PUMP		3-2-4	F	4	1 1/2" SPRAXX FTB-200	10M	HEAT EXCHANGER	BT	REPAIR DEFECTIVE STEAM TRAP WITH SPRAXX 1 1/2" FTB-200 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE AIR VENT VS204 IN SHELL. HAS VACUUM BREAKER IN STEAM INLET. OK. INSPECTED 8/21/2.				X										
226	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.				X										
227	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.	X													
228	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.														
229	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.	X													
230	WEST PENTHOUSE #D-900 AHU WEST-1-1 STEAM COIL		3-2-4	F	15	1 1/2" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. BUT SHOWS SOME WEAR. WHEN WORKN, REPAIR STEAM TRAP WITH HARK-SHA-15 STEAM TRAP REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.	X													
231	WEST PENTHOUSE #D-900 AHU WEST-1-1 STEAM COIL		3-2-4	F	15	1 1/2" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. BUT SHOWS SOME WEAR. WHEN WORKN, REPAIR STEAM TRAP WITH HARK-SHA-15 STEAM TRAP REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.														
231A	WEST PENTHOUSE #D-900 N. WALL N.E. CORNER H.P. DRIP BELOW FLOOR		3-2-4	B	3	3/4" SPRAXX B128H-125	115	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH SPRAXX #80004 REPAIR KIT. NEW TAG. INSPECTED 8/21/2.		X									X			
231B	WEST PENTHOUSE #D-900 N. WALL N.E. CORNER H.P. DRIP BELOW FLOOR		3-2-4	B	46	3/4" SPRAXX B128H-125	115	STEAM MAIN	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH SPRAXX #80004 REPAIR KIT. NEW TAG. INSPECTED 8/21/2.		X												
232	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER, UPPER DECK		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10M	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.	X													
233	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER, UPPER DECK		3-2-4	F	1	3/4" WATSON MCD FT-3-15	12	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.											X			
233A	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER, UPPER DECK		3-2-4	F	1	3/4" WATSON MCD FT-3-15	12	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.	X													
234	WEST PENTHOUSE #D-900 AHU WEST-1-1 STEAM COIL, UPPER DECK		3-2-4	F	1	1 1/4" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. BUT SHOWS SOME WEAR. WHEN WORKN, REPAIR STEAM TRAP WITH #18K-5-15 FACE PLATE REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.	X													
235	WEST PENTHOUSE #D-900 AHU WEST-1-1 STEAM COIL, UPPER DECK		3-2-4	F	1	1 1/4" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. BUT SHOWS SOME WEAR. WHEN WORKN, REPAIR STEAM TRAP WITH #18K-5-15 FACE PLATE REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.											X			
235A	WEST PENTHOUSE #D-900 AHU WEST-1-1 UPPER DECK STEAM COIL DRIP		3-2-4	F	1	3/4" WATSON MCD FT-3-15	12	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. NEW TAG. INSPECTED 8/21/2.						X								
236	WEST PENTHOUSE #D-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10M	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.														
237	WEST PENTHOUSE #D-900 AHU WEST-1-2 HUMIDIFIER		3-2-4	F	1	3/4" ARMSSTRONG 15-83	10M	HUMIDIFIER DRIP	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.			X											
238	WEST PENTHOUSE #D-900 AHU WEST-1-2 HUMIDIFIER		3-2-4	F	1	3/4" ARMSSTRONG 15-83	10M	HUMIDIFIER DRIP	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.				X										
239	WEST PENTHOUSE #D-900 AHU WEST-1-2 HUMIDIFIER, LOWER DECK		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10M	HUMIDIFIER DRIP	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.						X								
240	WEST PENTHOUSE #D-900 AHU WEST-1-2 HUMIDIFIER, LOWER DECK		3-2-4	F	2	3/4" ARMSSTRONG 15-83	10M	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.														
241	WEST PENTHOUSE #D-900 AHU WEST-1-2 HUMIDIFIER		3-2-4	F	1	3/4" ARMSSTRONG 15-83	10M	HUMIDIFIER DRIP	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.														
242	WEST PENTHOUSE #D-900 AHU WEST-1-2 STEAM COIL		3-2-4	F	2	2" SPRAXX FT-15	10M	STEAM COIL	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-5-15 STEAM TRAP REPAIR KIT. INSPECTED 8/21/2.				X										
243	WEST PENTHOUSE #D-900 AHU WEST-1-2 STEAM COIL		3-2-4	F	2	2" SPRAXX FT-15	10M	STEAM COIL	CP	STEAM TRAP IS COLD. SHOULD BE HOT. INSPECT CONTROL, VALVE OR FOR CONDENSATE LINE RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH TUNSTALL #18K-5-15 STEAM TRAP REPAIR KIT. INSPECTED 8/21/2.						X								
244	WEST PENTHOUSE #D-900 AHU WEST-1-2 STEAM COIL		3-2-4	F	1	1 1/4" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. BUT SHOWS SOME WEAR. WHEN WORKN, REPAIR STEAM TRAP WITH #18K-5-15 FACE PLATE REPAIR KIT. INSPECTED 8/21/2.														
245	WEST PENTHOUSE #D-900 AHU WEST-1-2 STEAM COIL		3-2-4	F	10	1" SPRAXX FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORKN, REPAIR STEAM TRAP WITH TUNSTALL #18K-5-15 FACE PLATE REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.				X										

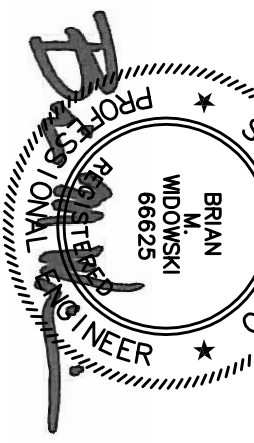
COLUMN REFERENCE NOTES:

1. FINISH AND INSTALL AN ACOUSTIC WHEELLESS STEAM TRAP MONITORING SENSOR PER SPECIFICATIONS, SECTION 3227.3.
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 IS LIVE. CAP.
4. REPAIR STEAM/CONDENSATE LEAK IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.
5. COOL STEAM TRAPS. REPAIR THE VALVES, CONTROLS, ETC. AS DESCRIBED IN THE REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NONFUNCTIONING STEAM TRAP. THEN RETURN TO STEP 2. IF ALL VALVES RETURN TO BEING IN SERVICE, FOR PURPOSES OF THIS BID, ASK THE CLIENT, VALVES RECEIVE PERMANENT REPAIR OR REPLACEMENT.
6. FINISH AND INSTALL NEW STEAM TRAP MONITORING IN ACCORDANCE WITH THE REMARKS COLUMN. SEE THE REMARKS COLUMN FOR REQUIRED WORK, SET THE SPECIFICATIONS FOR THE REQUIRED MATERIALS AND FITTINGS. INSULATE ALL NEW & EXISTING BARE PIPE.

CONSULTANTS:

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STEAM TRAP AND WORK SCHEDULE

Project Title

STEAM TRAP MONITORING

Project Number
541-12-115

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