

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 REPLACE REPAIR	REMOVE CONDENSATE PIPING	REPAIR STEAM TRAP DEDUCT ALT NO. 1	REPLACE STEAM TRAP DEDUCT ALT NO. 2	SERVICE VACUUM BREAKERS	STRAINER	REPAIR ELEVATED CONDENSATE PIPE	RELOCATE TRAPS TO INSULATION JACKETS	REMOVABLE HARD PIPE INSULATION	MISC.
206	EAST PENNHOUSE #223-900 EAST-0-2-AHU HUMIDIFIER		3-2-5	5	F	1 3/4" ARABSTRONG 15-83	15M	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.											X	
207	EAST PENNHOUSE #223-900 EAST-0-2-AHU HUMIDIFIER		3-2-5	5	F	1 3/4" ARABSTRONG 15-83	15M	HUMIDIFIER DHP	OK	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											
208	EAST PENNHOUSE #223-900 EAST-1-1-AHU HUMIDIFIER		3-2-5	5	F	2 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	CP	STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.			X									
209	EAST PENNHOUSE #223-900 EAST-1-1-AHU HUMIDIFIER		3-2-5	5	F	3 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	CP	STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.			X									
210	EAST PENNHOUSE #223-900 EAST-1-1-AHU HUMIDIFIER		3-2-5	5	F	3 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	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 PENNHOUSE #223-900 EAST-1-1-AHU HUMIDIFIER		3-2-5	5	F	3 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	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 PENNHOUSE #223-900 EAST-1-1- UPPER DECK AHU STEAM COIL LEFT		3-2-5	5	F	3 1 1/2" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #48K-15-8 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE VACUUM BREAKER IN COIL OUTLET. OK. INSPECTED 8/21/2.												
213	EAST PENNHOUSE #223-900 EAST-1-1- UPPER DECK AHU STEAM COIL RIGHT		3-2-5	5	F	3 1 1/2" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
214	EAST PENNHOUSE #223-900 EAST-0-1- UPPER DECK AHU STEAM COIL LEFT		3-2-5	5	F	2 1 1/4" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #48K-15-8 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE VACUUM BREAKER IN COIL OUTLET. OK. INSPECTED 8/21/2.												
215	EAST PENNHOUSE #223-900 EAST-0-1- UPPER DECK AHU STEAM COIL RIGHT		3-2-5	5	F	2 1 1/4" SPRAXL FT-15	10M	STEAM COIL	LK	REPAIR DEFECTIVE STEAM TRAP WITH TUNSTALL #3PFS-15-8 FACE PLATE KIT. STEAM SERVICE VACUUM BREAKER IN COIL OUTLET. INSPECTED 8/21/2.			X									
216	EAST PENNHOUSE #223-900 EAST-0-1- UPPER DECK AHU L.P. SUPPLY DHP		3-2-5	5	F	3 3/4" SPRAXL FT-15	10	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
217	EAST PENNHOUSE #223-900 HEAT EXCHANGER ROOF		3-2-5	5	F	8 1 1/2" SPRAXL FTB-200	10M	HEAT EXCHANGER	LK/LK	REPAIR DEFECTIVE STEAM TRAP WITH SPRAXL 1 1/2" FTB-200 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE AIR VENT V5204. LEAKS STEAM ON START-UP. REMOVE AIR VENT. HAS VACUUM BREAKER IN STEAM TRAP REPAIR KIT. INSPECTED 8/21/2.			X									
218	EAST PENNHOUSE #223-900 HEAT EXCHANGER LEFT		3-2-5	5	F	8 1 1/2" SPRAXL FTB-200	10M	HEAT EXCHANGER	BLTK	HAS NEW 3/4" SPRAXL B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXL #800M REPAIR KIT. INSPECTED 8/21/2.			X									
219	EAST PENNHOUSE #223-900 H.P. DHP ABOVE CONDENSATE PUMP		3-2-5	5	B	14 3/4" SPRAXL B1H-125	115	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXL #800M REPAIR KIT. INSPECTED 8/21/2.		X										
220	EAST PENNHOUSE #223-900 H.P. DHP IN FRONT OF AHU		3-2-5	5	F	12 3/4" SPRAXL FT-15	10	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXL #800M REPAIR KIT. TRAP IS BEHIND INSPECTED 8/21/2.												
221	WEST PENNHOUSE #220-900 H.P. DHP PEN STATION AHU#10EST1-1		3-2-5	4	B	2 3/4" SPRAXL B1H-125	115	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRAXL #800M REPAIR KIT. TRAP IS BEHIND INSPECTED 8/21/2.		X										
222	WEST PENNHOUSE #220-900 H.P. DHP IN FRONT OF AHU#10EST1-1		3-2-4	4	B	2 3/4" ARABSTRONG 811	10	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH ARABSTRONG #811 FCA REPAIR KIT. 11/8" ORIFICE AND BODY GASKET. INSPECTED 8/21/2.												
223	WEST PENNHOUSE #220-900 L.P. DHP		3-2-4	4	F	2 3/4" SPRAXL FT-15	10	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #18K-15-83 REPAIR KIT. ACCESS THROUGH AND FLOOR ELECTRICAL CABINET. INSPECTED 8/21/2.			X									
224	WEST PENNHOUSE #220-900 HEAT EXCHANGER NEAR CONDENSATE PUMP		3-2-4	4	F	4 1 1/2" SPRAXL FTB-200	10M	HEAT EXCHANGER	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR STEAM TRAP WITH SPRAXL 1 1/2" FTB-200 STEAM TRAP REPAIR KIT. TRAP HAS REPAIR SERVICE VACUUM BREAKER IN INLET & 1/2" V5204 AIR VENT IN SHELL. INSPECTED 8/21/2.			X									
225	WEST PENNHOUSE #220-900 HEAT EXCHANGER NEAR CONDENSATE PUMP		3-2-4	4	F	4 1 1/2" SPRAXL FTB-200	10M	HEAT EXCHANGER	BT	REPAIR DEFECTIVE STEAM TRAP WITH SPRAXL 1 1/2" FTB-200 STEAM TRAP REPAIR KIT. HAS STEAM SERVICE AIR VENT V5204 IN SHELL. HAS VACUUM BREAKER IN STEAM INLET. OK. INSPECTED 8/21/2.			X									
226	WEST PENNHOUSE #220-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
227	WEST PENNHOUSE #220-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
228	WEST PENNHOUSE #220-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
229	WEST PENNHOUSE #220-900 AHU WEST-1-1 HUMIDIFIER		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
230	WEST PENNHOUSE #220-900 AHU WEST-1-1 STEAM COIL		3-2-4	4	F	15 1 1/2" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP OK. BUT SHOWS SOME WEAR. WHEN WORK, REPAIR STEAM TRAP WITH ARK-15-8 STEAM TRAP REPAIR KIT. TRAP HAS REPAIR SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.												
231	WEST PENNHOUSE #220-900 AHU WEST-1-1 STEAM COIL		3-2-4	4	F	15 1 1/2" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP OK. BUT SHOWS SOME WEAR. WHEN WORK, REPAIR STEAM TRAP WITH ARK-15-8 STEAM TRAP REPAIR KIT. TRAP HAS REPAIR SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.												
231A	WEST PENNHOUSE #220-900 N. WALL N.E. CORNER H.P. DHP		3-2-4	4	B	3 3/4" SPRAXL B125H-125	115	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH SPRAXL #800M REPAIR KIT. NEW TNG. INSPECTED 8/17/2.		X										
231B	WEST PENNHOUSE #220-900 N. WALL N.E. CORNER H.P. DHP BELOW FLOOR		3-2-4	4	B	3 3/4" SPRAXL B125H-125	115	STEAM MAIN DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH SPRAXL #800M REPAIR KIT. NEW TNG. INSPECTED 8/17/2.			X									
232	WEST PENNHOUSE #220-900 AHU WEST-1-0-1 HUMIDIFIER, UPPER DECK		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
233	WEST PENNHOUSE #220-900 AHU WEST-1-0-1 HUMIDIFIER, UPPER DECK		3-2-4	4	F	1 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
233A	WEST PENNHOUSE #220-900 AHU WEST-1-0-1 HUMIDIFIER, PEREN DECK DHP		3-2-4	4	F	1 3/4" WATSON MCD FT-3-15	12	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
234	WEST PENNHOUSE #220-900 AHU WEST-1-0-1 STEAM COIL, UPPER DECK		3-2-4	4	F	1 1 1/4" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP OK. BUT SHOWS SOME WEAR. WHEN WORK, REPAIR STEAM TRAP WITH SPRAXL-15 FACE PLATE REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.												
235	WEST PENNHOUSE #220-900 AHU WEST-1-0-1 STEAM COIL, UPPER DECK		3-2-4	4	F	1 1 1/4" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP OK. BUT SHOWS SOME WEAR. WHEN WORK, REPAIR STEAM TRAP WITH SPRAXL-15 FACE PLATE REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.												
235A	WEST PENNHOUSE #220-900 AHU WEST-1-0-1 UPPER DECK STEAM COIL DHP		3-2-4	4	F	1 3/4" WATSON MCD FT-3-15	12	HUMIDIFIER DHP	OK	STEAM TRAP OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
236	WEST PENNHOUSE #220-900 AHU WEST-1-0-2 HUMIDIFIER		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	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									
237	WEST PENNHOUSE #220-900 AHU WEST-1-0-2 HUMIDIFIER		3-2-4	4	F	1 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	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 PENNHOUSE #220-900 AHU WEST-1-0-2 HUMIDIFIER		3-2-4	4	F	1 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	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 PENNHOUSE #220-900 AHU WEST-1-0-2 HUMIDIFIER, LOWER DECK		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	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 PENNHOUSE #220-900 AHU WEST-1-1-2 HUMIDIFIER, LOWER DECK		3-2-4	4	F	2 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
241	WEST PENNHOUSE #220-900 AHU WEST-1-1-2 HUMIDIFIER, LOWER DECK		3-2-4	4	F	1 3/4" ARABSTRONG 15-83	10M	HUMIDIFIER DHP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #18K-15-83 REPAIR KIT. INSPECTED 8/21/2.												
242	WEST PENNHOUSE #220-900 AHU WEST-1-0-2 STEAM COIL		3-2-4	4	F	2 2" SPRAXL 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-15-83 REPAIR KIT. INSPECTED 8/21/2.			X									
243	WEST PENNHOUSE #220-900 AHU WEST-1-0-2 STEAM COIL		3-2-4	4	F	2 2" SPRAXL 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-15-83 REPAIR KIT. INSPECTED 8/21/2.												
244	WEST PENNHOUSE #220-900 AHU WEST-1-1-2 STEAM COIL		3-2-4	4	F	1 1 1/4" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP OK. BUT SHOWS SOME WEAR. WHEN WORK, REPAIR STEAM TRAP WITH SPRAXL-15 FACE PLATE REPAIR KIT. INSPECTED 8/21/2.												
245	WEST PENNHOUSE #220-900 AHU WEST-1-1-2 STEAM COIL		3-2-4	4	F	1 1" SPRAXL FT-15	10M	STEAM COIL	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #2PFS-15-8 FACE PLATE REPAIR KIT. TRAP HAS STEAM SERVICE VACUUM BREAKER IN BOTH COIL INLET AND OUTLET. OK. INSPECTED 8/21/2.			X									

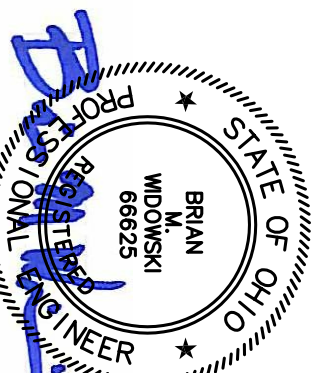
COLUMN REFERENCE NOTES:

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|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | ① FURNISH AND INSTALL AN ACETIC WHEELLESS STEAM TRAP MONITORING SENSOR PER SPECIFICATIONS.                                                                                                                                                                                                                                          |
|  | ② REPLACE OR REPAIR STEAM TRAP IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.                                                                                                                                                                                                                                                    |
|  | ③ REMOVE STEAM TRAP AND ALL ABANDONED CONVECTIVE PIPING TO A POINT WHERE THE CONDENSATE LINE IS LIVE. CAP.                                                                                                                                                                                                                          |
|  | ④ REPAIR STEAM CONDENSATE LEAK IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.                                                                                                                                                                                                                                                    |
|  | ⑤ INSPECT AND DETERMINE THE REASON FOR ANY OTHER NONFUNCTIONING STEAM TRAP VALVES. IF THE REASON FOR FAILURE IS NOT IDENTIFIED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE VALVE. (FOR PURPOSES OF THIS BID ASSIST THE CONTROL VALVES REQUIRE REPAIR OR REPLACEMENT.) DETOUR ALTERNATIVE NO. 1.                     |
|  | ⑥ PATCH ALL ITEMS FOUND TO BE COLD. FIX ALL ITEMS FOUND TO BE PIPING REPAIR.                                                                                                                                                                                                                                                        |
|  | ⑦ REPLACE THE EXISTING CORROSION WITH NEW STEEL PIPE AND REPAIR AS THE EXISTING OLD EXTERIOR RISERS AND VENTS ARE IN POOR SHAPE WITH EQUALVANT SIZES. SEE THE REMARKS COLUMN FOR REQUIRED WORK. REPLACE THE SPECIFICATIONS FOR THE REQUIRED MATERIALS AND FITTINGS. INSULATE ALL NEW & EXISTING BARE PIPE DETOUR ALTERNATIVE NO. 2. |
|  | FURNISH AND INSTALL NEW STEAM CAULK BREAKERS IN ACCORDANCE WITH THE REMARKS COLUMN.                                                                                                                                                                                                                                                 |

## CONSULTANTS:



**FREDRICK, FREDRICK & HELLER**  
ENGINEERS, INC.  
672 EAST ROYALTON ROAD  
BROADVIEW HTS., OHIO 44147  
TEL. (440) 546-8686  
FAX: (440) 546-8680



## ARCHITECT:

Drawing Title  
**STEAM TRAP AND WORK SCHEDULE  
TRAPS 206-245**

Approved: Project Director

Drawing Title

## STEAM TRAP AND WORK SCHEDULE

Project Title  
**STEAM TRAP MONITORING,**

## INSULATION AND PIPING

## UPGRADES

Location

**VAMC**

Date

12-21-12

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## Office of Facilities Management

Department of



Department of  
Veterans Affairs

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