ABBREVIATIONS:

FD	FLOOR DRAIN
PRV	PRESS REDUCING STATION
AHU	AIR HANDLING UNIT
HU OR HUM	HUMIDIFIER
HX OR HE	HEAT EXCHANGER
UH	UNIT HEATER
CP	CONDENSATE PUMP
CTE	CONNECT TO EXISTING
RAD	RADIATOR
DP	DRIP TRAP
TANK HTR	TANK HEATER
STM. COIL	STEAM COIL
AIR VENT	STEAM AIR VENT
TR	TRACER LINE
FLASH TANK	FLASH TANK
UV	UNIT VENTILATOR
FIN TUBE	FIN TUBE
CONV	CONVECTOR STEAM COIL
RADIATOR	RADIATOR
NUMBER*	INSTALLED OUTDOORS
TYPE - F	FLOAT & THERMOSTATIC STEAM TRAP
TYPE - B	INVERTED BUCKET STEAM TRAP
TYPE - T	THERMOSTATIC RADIATOR TRAP/THERMOSTATIC STEAM AIR VENT
TYPE - D	THERMODYNAMIC (DISC) TRAP
ELEV.	ELEVATION - HEIGHT OF STEAM TRAP INSTALLED
PSI IN	STEAM PRESSURE SUPPLY TO STEAM TRAP
PSI OUT	ESTIMATED CONDENSATE RETURN LINE PRESSURE
"M"	INLET STEAM PRESSURE MODULATED CONTROL VALVE
VLV IN - 1	INLET ISOLATION VALVE INSTALLED
VLV IN - 2	INLET ISOLATION VALVE INSTALLED AND HAS BY-PASS VALVE
VLV IN - 0	NO INLET ISOLATION VALVE INSTALLED
STR - 1	Y-STRAINER INSTALLED
STR.- 0	NO STRAINER INSTALLED
STR - 2	Y-STRAINER WITH BLOWDOWN VALVE INSTALLED.
VLV OUT - 1	OUTLET ISOLATION VALVE INSTALLED
VLV OUT - 2	OUTLET ISOLATION VALVE WITH DRAIN VALVE.
COND - OK	TRAP CONDITION GOOD
COND. - CO	TRAP OUT OF SERVICE OR REMOVED
COND - CP	TRAP COLD PLUGGED, TRAP COLD
COND - LK	TRAP SLIGHTLY BLOWING STEAM THROUGH (FAILED)
COND - BT	TRAP BLOWING STEAM THROUGH (FAILED)
COND - CP LK	TRAP COLD PLUGGED, STEAM OR CONDENSATE LEAK
COND - OK LK	TRAP OK, STEAM OR CONDENSATE LEAK
COND - LK LK	TRAP LEAKING, STEAM OR CONDENSATE LEAK
COND - NT	TRAP NOT TESTED, NOT ACCESSIBLE
COND - OK NC	TRAP OK, RADIATOR VALVE NOT SHUTTING OFF TIGHT (BLEEDING THROUGH)
COND - LK NC	TRAP LEAKING, RADIATOR VALVE NOT SHUTTING OFF TIGHT (BLEEDING THROUGH)

HVAC PIPING:

—HPS—	HIGH PRESSURE STEAM
—HPR—	HIGH PRESSURE STEAM CONDENSATE
—HPC—	HIGH PRESSURE PUMPED CONDENSATE
—LPS—	LOW PRESSURE STEAM
—LPR—	LOW PRESSURE STEAM CONDENSATE
—LPC—	LOW PRESSURE PUMPED CONDENSATE
—MPS—	MEDIUM PRESSURE STEAM
—MPR—	MEDIUM PRESSURE STEAM CONDENSATE
—MPC—	MEDIUM PRESSURE PUMPED CONDENSATE
—PC—	PUMPED CONDENSATE
—CPD—	CONDENSATE PUMPED DISCHARGE
—SRV—	SAFETY RELIEF VALVE
—FCU—	FAN COIL UNIT
	ISOLATION VALVE
	CHECK VALVE
	STRAINER
	REDUCER
	PRESSURE REDUCING VALVE
FT OR	FLOAT & THERMOSTATIC STEAM TRAP
	UNION
OR	BALANCING VALVE

LEGEND:

140	STEAM TRAP TAG NUMBER (SEE PLANS)

GENERAL NOTES:

G1. LOCATIONS AND ROUTING OF EXISTING PIPING, DUCTWORK AND EQUIPMENT IS PRESUMED FROM EXISTING DRAWINGS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.

G2. COORDINATE ALL SHUT-DOWNS OF EXISTING MECHANICAL SYSTEMS WITH OWNER A MINIMUM OF SEVEN WORKING DAYS IN ADVANCE.

G3. PROVIDE ADEQUATE SERVICE CLEARANCE FOR ALL MECHANICAL EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER.

ELECTRICAL SCOPE OF WORK:

RETAIN AN ELECTRICAL CONTRACTOR TO PROVIDE POWER TO (20) STEAM MONITORING SYSTEM WIRELESS REPEATERS AND (1) CPU. THE CONTRACTOR'S SCOPE OF WORK IS AS FOLLOWS:

1. PROVIDE (20) 20A-120V-1P DEDICATED CIRCUITS THROUGHOUT THE HOSPITAL AND CONNECT TO STEAM MONITORING SYSTEM WIRELESS REPEATERS PER MANUFACTURER REQUIREMENTS. VERIFY EXACT LOCATION OF REPEATERS IN FIELD WITH MECHANICAL CONTRACTOR.
2. PROVIDE 3/4" CONDUIT - 2#12 & 1#12 EQUIPMENT GROUND FOR CONNECTION TO EACH REPEATER. FOR BIDDING PURPOSES ASSUME 150'-0" LENGTH FOR EACH CIRCUIT.
3. IDENTIFY LOCATION OF EXISTING 208/120V NORMAL (NON-ESSENTIAL) BRANCH CIRCUIT PANELBOARDS WITH CAPACITY TO CONNECT REPEATERS TO. SUBMIT FLOOR PLANS WITH SHOP DRAWINGS TO ENGINEER SHOWING PANEL NAMES, PANEL LOCATIONS, AND LOCATION OF REPEATERS THAT WILL CONNECT TO EACH PANEL.
4. PROVIDE NEW 20A-1P BREAKERS IN EXISTING PANELBOARDS FOR CONNECTION TO REPEATERS. PROVIDE UPDATED TYPED PANELBOARD SCHEDULES FOR EACH MODIFIED PANELBOARD.
5. PROVIDE 20A-120V-1P CIRCUIT AND DUPLEX RECEPTACLE AT LOCATION OF REPEATER CPU LOCATED IN THE AREA 1 BUILDING MANAGEMENT SYSTEM ROOM. VERIFY EXACT LOCATION OF CPU WITH MECHANICAL DRAWINGS.
6. REFER TO DIVISION 26 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

Revisions:	Date
FINAL CD-SUBMISSION	12-21-12
95% SUBMISSION	11-30-12
65% SUBMISSION	11-16-12

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Drawing Title: SYMBOLS, ABBREVIATIONS AND NOTES

Approved: Project Director

Project Title: **STEAM TRAP MONITORING, INSULATION AND PIPING UPGRADES**

Location: **VAMC - WADE PARK**

Date: 12-21-12 | Checked: WFW | Drawn: JWF

Project Number: 541-12-115

Building Number: 1

Drawing Number: 1-01

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978