PROJECT REVISIONS	STATION	VAMC NLR ARK	
PROJECT TITLE	6/10/2014		
LAUNDRY UPGRADES			
PROJ NO 598-12-122	BUILDING	159	

REFER TO EXISTING PLANS AND SPECIFICATIONS AS APPLICABLE

THESE REVISIONS PAGES 1 THRU 4 ARE TO BE INCORPORATED INTO THIS PROJECT

NO.

1 STEAM SERVICE

REFER TO DWG MD103 - 3 OF 14 -- STEAM AND STEAM CONDENSATE DEMOLITION
EXISTING STEAM SERVICE TO THE BUILDING SHALL REMAIN. STEAM DEMO THAT WILL BE
REQUIRED IS THE SERVICE TO THE STEAM TO HOT WATER CONVERTORS IN THE BASEMENT AREA
ROOM B010 MECH SERVICE ROOM. THESE CONVERTORS SHALL BE REMOVED WITH THE ASSOCIATED
HOT WATER PUMPS, AIR SEPERATOR AND HYDRONIC COMPONENTS AND MISC SHOWN ON THIS DWG.
AS PART OF THE BOILERS INSTALLATION. ALSO REFERENCE DWG MH201 UNIT HEATER SCHEDULE
(GAS UNIT HEATERS)THESE UNIT HEATERS WILL NOT BE INSTALLED AS PART OF THIS PROJECT.
ALSO REFERENCE DWG MH-105 GAS PIPING TO UNIT HEATERS GRND FLOOR AND TO FLAT WORK
IRONER IS NOT REQUIRED. OTHER GAS PIPING TO BOILERS AND NEW ADDITION AC UNIT REMAINS
IN CONTRACT. NOTE THAT REMOVAL OF EXISTING STEAM UNIT HEATERS IS NOT REQUIRED.

2 CONTROL SYSTEM :

REFERENCE CONTRACT DWG MH401 AND NEW DDC ARCHITECTURE DIAGRAM AND NOTE BELOW
THIS DIAGRAM. THIS DIAGRAM IS REPLACED BY THE ATTACHED REVISED DDC RISER DIAGRAM AND
ACCOMPANYING NOTES. (SEE DWG. RCD-001)
OMIT CONTROL SYSTEM SIGNAL TABLE ON MH401 PROVIDE STANDARD INDUSTRY CONTROL WIRING
SIGNALS.
OMIT OPTIMUM START REQUIREMENT FROM THE DDC POINTS LIST
THE EXISTING DDC SYSTEM IS "SIEMENS APOGEE", NEW COMPONENTS BOTH HARDWARE AND
SOFTWARE SHALL BE THIS SAME SYSTEM.
NEW EQUIPMENT SHALL BE PROVIDED WITH NEW CONTROL POINTS, SENSORS , CONTROLLERS
DEVICE ACTUATORS ETC.

3 AIR HANDLER VARIABLE SPEED DRIVES FOR AHU 1-5 SHALL BE LOCATED AT FIRST FLOOR LEVEL
LOCATE TO THE RIGHT OF MCC1. PROVIDE SUPPORT RACKS AS REQUIRED.
AIR HANDLERS SHALL BE EXTERIOR TYPE AND BASIS OF DESIGN TRANE EXTERIOR PERFORMANCE
CLIMATE CHANGERS. AIR HANDLERS SHALL BE PROVIDED WITH ACCESS SECTIONS BETWEEN
COILS AND ADEQUATE SPACE BETWEEN COMPONENTS FOR REPLACEMENT AND SERVICEING.
AIR HANDLERS SHALL BE PROVIDED WITH PLENUM SUPPLY FANS.
AIR HANDLERS SHALL BE PROVIDED WITH TWO PRE-FILTERS (MERV 8 AND MERV 11)
OMIT ROLL FILTERS SHOWN FOR AHU-2-5.
EXHAUST FAN FOR AHU-1 SHALL BE PLENUM TYPE FURNISHED WITH AND A SECTION OF AHU-1

4 REFERENCE CONTRACT DWG MH401 AND AHU 2-5 CONTROL DIAGRAM.
AND SCHEDULE ON DWG MH201.
OMIT ROLL PRE-FILTER IN UNITS AND PROVIDE MERV 8 AND MERV 11 PREFILTER HOUSINGS
PROVIDE AHU'S 2-5 WITH RELIEF EXHAUST FANS SIZED AT 6000 CFM/3"TSP AND 7.5 HP
MOTORS, WITH VARIABLE SPEED DRIVES. PROVIDE CONTROL WIRING TO DRIVES
PROVIDE BLDG. PRESSURE SENSOR FOR CONTROL OF RELIEF/ EXHAUST FAN OPERATION
BLDG. PRESSURE SENSOR SHALL HAVE INTEGRAL DISPLAY, AND LOCATED PER VA DIRECTION

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NO.		
5	REFERENCE CONTRACT DWG MH401 AND AHU-1 CONTROL DIAGRAM.	
	AND SCHEDULE ON DWG MH201. REFERENCE AHU-1 SCHEDULED REQUIREMENTS	
	AND CONTROLS. AHU-1 CONTROL DIAGRAM IS REPLACED BY ATTACHED CONTROL DIAGRAM	
	RCD-002. AHU-1 SCHEDULED PERFORMANCE IS CHANGED PER THE ATTACHED REVISED SCHEDULE	
	FURNISH AHU-1 WITH HEAT RECOVERY ENERGY WHEEL. WHEEL PERFORMANCE SCHEDULE IS	
	ATTACHED. REFRENCE DOCUMENTS REVAHU-1SCH , HRW-1.	
6	REFERENCE CONTRACT DWG MH201 REHEAT COILS SCHEDULE.	
	THESE COILS WHICH ARE REFERENCED AS RHC-1 AND RHC-1 ARE TO BE	
	REPLACED WITH NEW VAV TERMINAL BOXES WITH REHEAT COILS. (NOT REHEAT COILS ONLY)	
	THESE BOXES SHALL BE DOUBLE WALL, EQUAL TO TITUS SIZE 24 X 16 SINGLE DUCT	
	TERMINALS TYPE DESV. THESE BOXES ARE TO BE FURNISHED WITH 2-ROW HOT WATER COILS	
	THESE BOXES ARE TO BE FURNISHED WITH DDC CONTROLS , AND WILL BE OPERATED AS	
	CONSTANT VOLUME BOXES AS SHOWN ON THE REVISED CONTROL DIAGRAM RCD-002.	
	AT THE LOCATION THESE BOXES ARE TO INSTALLED, THERE ARE CURRENTLY VAV	
	BOXES WITH REHEAT COILS. REF DWG MH101 . (THESE VAV BOXES AND CONTROLS ARE TO BE REMOVED)	
	CONNECT BOX COILS TO EXISTING PIPING AND INSTALL NEW PIPING COMPONENTS, CONTROL VALVES	
	STRAINERS ETC.	
7	REFERENCE CONTRACT DWG MH 301-- DIFFUSER CONNECTION DETAIL.	
	TURNDOWN TO DIFFUSERS SHALL BE WITH SHEET METAL ELBOW OR WITH TWO 45	
	DEG SHEET METAL FITTINGS.	
	WHERE SPACE PERMITS PROVIDE STRAIGHT VERT. SECTION OF DUCT AT DIFFUSER .	
	CONNECTION.	
8	REFERENCE DWG AD-301A FOR MISC ADDITIONAL DETAILS .	
	AND AHU1-ELEV DETAIL (PROVIDE AHU-1 COMPONENTS)	
	WATER COIL PIPING DETAILS ON THIS DWG REPLACE OTHERS SHOWN ON	
	DWGS MH301 AND MH302.	
9	SPRINKLER HEADS IN OFFICE AREAS , LOCKER ROOMS, AND TOILETS, BREAK RM. SHALL BE LOWERED AS	
	REQUIRED TO FIT INTO NEW CEILING. INSTALLL NEW SPRINKLER HEADS SEMI-RECESSED	
	AND QUICK RESPONSE. NEW HEADS SHALL BE ARRANGED TO FIT NEW CEILING LAYOUT	
	AND WILL REQUIRE NEW ESCUTCHEONS.	
	NEW STORAGE ROOM ADDITION SHALL BE INSTALLED WITH FIRE SPRINKLER SYSTEM	
	AS SHOWN REFERENCE EXISTING PLAN FP-101. NEW SPRINKLER HEADS SHALL BE QUICK	
	RESPONSE TYPE. NEW SPRINKLER PIPING INSTALLED ABOVE LAY IN CEILINGS IS NOT REQUIRED TO BE	
	PAINTED. PROVIDE LABLELS PER NFPA 13/SPECS. NEW EXPOSED SPRINKLER PIPING IN THE NEW STORAGE	
	BUILDING ADDITION SHALL BE PAINTED AND LABELED. VA DOES NOT DETERMINE WHO PAINTS THIS PIPE.	
10	REQUIREMENTS FOR DUST AND INFECTION CONTROL.	
	SINCE THE LAUNDRY PROCESSING FUNCTIONS WILL REMAIN IN OPERATION DURING THIS PROJECT.	
	IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE DUST CONTROL.	
	WHERE DEMO WORK IS DONE NEGATIVE AIR AND BARRIERS SHALL BE PROVIDED TO KEEP DUST FROM	
	VA WORK AREAS.	
	ALSO REFER TO THE DEMOLITION SECTION OF THE SPECIFICATIONS.	
		P2

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NO.		
11	ELECTRICAL WORK	
A	REFERENCE DWG E502 MOTOR CONTROL CENTER NEW WORK NOTES AND	
	MOTOR CONTROL CENTER MCC ELEVATION DETAIL	
	EXISTING MOTOR CONTROL CENTER SHALL REMAIN. NEW MCC IS NOT REQUIRED.	
B	NEW SUPPLY FAN MOTORS FOR AHU 1-5 SHALL HAVE STARTERS REPLACED WITH NEMA 2	
	AS SHOWN, DUE TO MOTOR UPSIZE. INSTALL IN EXISTING MCC.	
	PROVIDE NEW DISCONNECTS AT NEW AIR HANDLERS ON ROOF. PROVIDE NEW EXTERIOR CONDUIT	
	FOR NEW EXTERIOR AHU'S , AND INTERIOR WHERE CIRCUIT CHANGES REQUIRE, OR IN POOR CONDITION.	
	EXIST. CONDUIT BELOW ROOF LINE TO EXIST AHU'S IN GOOD CONDITION MAY BE REUSED AND NEW	
	ADDED AS REQUIRED FOR NEW CIRCUITS AND EXTENSIONS OF CIRCUITS.	
	EXISTING NEMA 1 STARTERS IN EXISTING MCC MAY BE REUSED FOR NEW AHU-2-5 RELIEF EXHAUST	
	FANS AND NEW AHU-1 EXHAUST FAN.	
	PROVIDE NEW WIRING FROM NEW AIR HANDLERS TO EXISTING AND NEW MCC STARTERS	
	CONTRACTOR SHALL PICK UP CIRCUITS OUT OF MCC AND EXTEND TO NEW VSD	
	(VARIABLE FREQUENCY DRIVES) AND THEN EXTEND TO NEW AIR HANDLER SUPPLY AND	
	EXHAUST FANS.	
C	NOTE THAT EXHAUST FAN 1 AT CURRENT LOCATION WILL NOT BE REINSTALLED AT THAT	
	LOCATION AND WILL BE IN NEW AHU-1 SIZED AS SHOWN ON SCHEDULE REVAHU-1SCH	
12	REFERENCE DWG MH102 AND PLAN SHOWING NEW BOILERS IN GRND FLOOR MECH RM.	
	THE 12" ROUND SHOWN COMING OFF THE BOILERS IS A VENT (FLUE) . THE COMBUSTION AIR	
	INTAKE IS NOT SHOWN BUT SHALL BE PROVIDED BY THE CONTRACTOR AS RECOMMENDED	
	BY THE EQUIPMENT MANUFACTURER. SUPPLY AND VENT SHALL BE TAKEN OUT AN EXTERIOR SIDE WALL	
	AND CONNECTED TO THE AIR INTAKE/EXHAUST ACCESSORY PROVIDED BY THE MANUFACTURER.	
	EACH BOILER SHALL HAVE ITS OWN VENT AND AIR INTAKE DUCT. REQUIREING 4 PAIRS	
	OF DUCT CONNECTIONS TO OUTSIDE WALL, UNLESS SPECIFICALLY PERMITTED OR RECOMMENDED	
	OTHERWISE BY THE BOILER MANUFACTURER.	
13	REFER TO DWGS AD101 THRU AD103 AND REVISED FINISH SCHEDULE-- (REVFINSCH)	
	OMIT DEMO AND PREP WORK WHERE NEW FINISHES ARE NOT REQUIRED (ONF) OMIT NEW FINISHES,	
	ON REVISED FIN SCHEDULE. ROOMS B003 AND B004 HAVE EXIST. SHEET FLOOR WHICH IS TO BE REMOVED	
	FLOOR PREPARED AND VCT APPLIED. PROVIDE EPOXY PATCH WHERE CONDITIONS WARRANT.	
	REFER TO DWGS AE101 THRU AE103 AND REVISED FINISH SCHEDULE (REVFINSCH)	
	OMIT NEW FINISHES WHERE INDICATED (ONF) ON REVISED FIN SCHEDULE AND INSTALL	
	NEW FINISHES WHERE INDICATED (NFR) ON REVISED FIN SCHEDULE.	
	ON FINISH SCHEDULE RM 101 BREAK ROOM OMIT ER-2 FLOOR AND REPLACE WITH VCT.	
14	REFER TO DWG AE103- WORK REQUIRED BY KEYED NOTE 7 IS OMITTED.	
	(THIS SLAT DOOR IS DETAILED ON DWG MH302 STRIP DOOR DETAIL AND IS OMITTED.	
15	REFERENCE DWG AE101 KEYED NOTE 13. NEW CANOPY IN NOT REQUIRED THIS LOCATION	
16	USE OF EXISTING ELECTRICAL CONDUIT .	
A	ALL EXISTING CONDUIT ABOVE THE ROOF LINE OR OTHER EXTERIOR CONDUIT FOR THIS PROJECT	
	SHALL BE REPLACED, WHERE NEW MECH OR ELECT EQUIPMENT OR FIXTURES ARE INSTALLED	
	ALL WIRING TO NEW FIXTURES AND EQUIPMENT IS TO BE REPLACED.	
	REUSAGE OF CONDUIT IS SUBJECT TO THE FOLLOWING REQUIREMENTS:	

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NO.	
B	REUSE OF CONDUIT FEEDING THE AIR HANDLERS WAS PROVIDED IN NOTE 11B
C	FIRST FLOOR LIGHTING IS TO BE REPLACED WITH HIGH BAY LIGHTS. THE EXISTING FIXTURES ARE FED END TO END AND SUPPORTED WITH UNISTRUT CHANNEL TO THE STEEL TRUSS STRUCTURE. EXISTING FIXTURES ARE TO BE REMOVED ALONG WITH CONDUIT, WIRE. NEW HIGH BAY FIXTURES SHALL BE MOUNTED TO STRUCTURE AS RECOMMENDED AND FIXTURES FED FROM J-BOX AND STEEL FLEX CONDUIT. CONDUIT AND WIRING SHALL BE EXTENDED TO EXISTING LIGHTING PANEL ON FIRST FLOOR . FEED HIGH BAY FIXTURES W/NEW CONDUIT.
D	EXISTING LAY-IN FIXTURE LIGHTING ON THE FIRST FLOOR OFFICE AREAS HAVE CONDUIT FED FROM J-BOXES ABOVE A LAY IN CEILING VIA FLEX CONDUIT. THIS CONDUIT MAY BE REUSED. THE FLEX CONDUIT TO THE NEW FIXTURES SHALL BE NEW AND COMPLY WITH THE 6' RUNOUT REQUIREMENTS .
E	THE GROUND FLOOR CURRENTLY HAS SURFACE MOUNTED FIXTURES FED END TO END SIMILAR TO THE FIRST FLOOR. FIXTURE GROUPS (SUCH AS ROWS) ARE FED FROM J-BOXES FROM WHICH CONDUIT IS EXTENDED BACK TO THE EXISTING LIGHTING PANEL. THESE J-BOXES AND CONDUIT BACK TO THE PANEL MAY BE REUSED. CONDUIT FROM J-BOXES TO FIXTURE AND CONDUIT BETWEEN FIXTURES SHALL BE REPLACED.
F	SECOND FLOOR LIGHT INSTALLATION AND THE DOCK LIGHTS REQUIRE NEW SPACING AS SHOWN. CONDUIT BETWEEN NEW FIXTURES SHALL BE NEW . CONDUIT BACK TO FIRST FLOOR LIGHTING PANEL SHALL REMAIN. GROUND FLOOR EAST DOCK SHALL HAVE FIXTURES REPLACED AS SHOWN. REQUIREMENTS OF THIS NOTE APPLY. EXISTING PANEL CONDUIT FEED CAN REMAIN.
G	CONDUIT TO SWITCHES AND SWITCH BOXES CAN REMAIN. REPLACE SWITCHES
H	EXCEPT WHERE EXISTING CONDUIT IS REUSED, NEW CONDUIT SHALL BE 3/4" MIN.
I	EXISTING CONDUIT IN THE STAIRWELLS SERVING STAIRWELL LIGHTS MAY BE REUSED. BOXES IN THESE SPACES WHICH ARE RECESSED IN THE WALL MAY REMAIN AND NEW SWITCHES INSTALLED IN THE EXISTING BOXES.
17	ELECTRICAL CIRCUITS TO EXISTING UNIT HEATERS ARE NOT REPLACED.
18	REFERENCE DOOR SCHEDULE ON DWG WHERE EXTERIOR DOORS AND FRAMES ARE SHOWN TO BE REPLACED FIT INTO AVALIABLE MASONRY/ OPENING SPACE. VERIFY EXISTING OPENINGS.