


ECM SCHEDULE

ECM SCHEDULE		
ECM NUMBER	BID ITEM NUMBER	REQUIRED ACTIONS
9	10	1. REPAIR EXISTING ECONOMIZER SECTION. DAMPERS CURRENTLY DON'T RESPOND TO COMMAND. 2. SET DISCHARGE AIR TEMPERATURE BASED ON OUTDOOR AIR TEMP. AND ROOM TEMP. FEEDBACK.
NOTES: PROVIDE THE ECMS LISTED ABOVE WITH THE CONTROLS UPGRADE LISTED ON THE CONTROLS SCHEDULES. ECMS ARE GROUPED INTO BID ITEM AS NOTED IN THE CONTROLS SCHEDULES. ITEMS LISTED ON THIS SCHEDULE ARE THOSE THAT HAVE BEEN DETERMINED TO CONSERVE ENERGY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONTROL DEVICES AS LISTED IN THE INDIVIDUAL CONTROL SCHEDULES AS WELL AS PERFORMING THE ACTIONS LISTED IN THIS SCHEDULE.		

EXISTING AIR HANDLER UNIT CONTROL SCHEDULE

EXISTING AIR HANDLER UNIT CONTROL SCHEDULE										
PLAN MARK	LOCATION	EXISTING VA CONTROL DESIGNATION	HOT WT VALVE	CHILLED WATER CONTROL VALVE	MIXING DAMPER	ECON ON/OFF	ECON STATUS	DETAIL	ECM NUMBER	BID ITEM NUMBER
C-1	SECOND	8-17	PN 1" 2 WAY STEAM	PN 2" 3 WAY	N/A	N/A	N/A	C6,B3,A4,C3 OR C4	9	10
C-2	SECOND	8-16	PN 1" 2 WAY STEAM	PN 1-1/2" 3 WAY	N/A	N/A	N/A	C6,B3,A4,C3 OR C4	N/A	21
C-3	1A11	8-FC	PN (1)	PN (1)	N/A	N/A	N/A	C6,A4,C3 OR C4,D4	N/A	22
C-4	1A22A	8-GYM	PN 3" 2 WAY STEAM	N/A 	PN	S	S	C6,A4,C3 OR C4	N/A	23


N/A INDICATES THAT POINT IS NOT APPLICABLE TO THIS EQUIPMENT

PN INDICATES EXISTING PNEUMATIC CONTROLS THAT NEED TO BE UPGRADED TO DIRECT DIGITAL CONTROL

S INDICATES A CONTROL DEVICE THAT NEEDS TO BE ADDED

(1) PROVIDE 3/4" 3 WAY VALVES WITH PLUG FOR BYPASS PORT IF 2 WAY VALVE IS EXISTING.

(E) CHILLED WATER SYSTEM CONTROL SCHEDULE (BID ITEM 24)

PLAN MARK	LOCATION	VA DESIGNATION	CHILLED WATER VALVE	CHILLED WATER LOOP DIFFERENTIAL PRESSURE	DETAILS
C-5	GA07B	8-CHW	PN 3" 2 WAY	 S	D4,B3,C3 OR C4
Y PN S	<p>INDICATES THAT POINT IS CURRENTLY MONITORED BY CONTROL SYSTEM</p> <p>INDICATES EXISTING PNEUMATIC CONTROLS THAT NEED TO BE UPGRADED TO DIRECT DIGITAL CONTROLS</p> <p>INDICATES A CONTROL DEVICE THAT NEED TO BE ADDED</p>				
ITEMS IN THIS SCHEDULE ARE ASSOCIATED WITH BID ITEM # 24					

EXISTING PUMP CONTROL SCHEDULE (BID ITEM 25)


PLAN MARK	LOCATION	VA DESIGNATION	PUMP(S) ON/OFF	DETAIL
C-6	GA04A	PP (8-PC)	S	B6
<p>S INDICATES A CONTROL DEVICE NEEDS TO BE ADDED</p> <p>ITEMS IN THIS SCHEDULE ARE PART OF BID ITEM # 25</p>				

EXISTING CONVERTER CONTROL SCHEDULE (BID ITEM 26)

PLAN MARK	LOCATION	VA DESIGNATION	CONVERTER VALVE	DETAIL
C-7	GA04A	8-PC (POOL CONVERTER)	PN 2-1/2" 2 WAY	B3, D4
C-8	GA04A	8-HWC (HOT WATER CONVERTER)	PN 3/4" 2 WAY 1" 2 WAY	B3,B4,D4
C-9	GA04A	8-DC (DOM. WATER CONVERTER)	PN 2-1/2" 2 WAY	B3,B4,D4

PN INDICATES EXISTING PNEUMATIC CONTROLS THAT NEED TO BE UPGRADED TO DIRECT DIGITAL CONTROL

ITEMS IN THIS SCHEDULE ARE PART OF BID ITEM # 26

		CONSULTANTS:		ARCHITECT/ENGINEERS:	<div><div>324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com</div></div>	Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management	
						MECHANICAL SCHEDULES	METASYS CONTROLS AND ENERGY UPGRADE PHASE III	660-12-110		
						Approved: Project Director	Location VAMC GEORGE E. WAHLEN SLC, UT	Building Number BLDG 8		
								Drawing Number		
						Date	2011-05-02	Checked RLP	Drawn TNB	MI601-B08 Dwg. 10 of 19
ADDENDUM B	05/03/2012								Department of Veterans Affairs	
Revisions:	Date:									