

**GENERAL HVAC NOTES**

1. ALL DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
2. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE 2009 INTERNATIONAL MECHANICAL CODE.
3. THE CONTRACTOR SHALL COORDINATE WITH ALL STATE AND LOCAL BUILDING REGULATION AGENCIES AND UTILITY COMPANY(S) IN THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS, LICENSES, FEES AND CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTION REQUIRED FOR THE PROJECT.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
6. A SUBMITTAL OF ALL MATERIALS AND EQUIPMENT PROPOSED TO BE USED ON THE JOB SHALL BE PREPARED AS SOON AS POSSIBLE AFTER AWARD OF THE CONTRACT. THE SUBMITTAL WILL BE REVIEWED FOR EQUAL QUALITY AND PERFORMANCE TO THE ITEMS SPECIFIED. ALL CONTROL DEVICES AND SEQUENCES OF CONTROL SHALL BE INCLUDED IN THE SUBMITTAL. A TABULATION OF SUBMITTED ITEMS MUST BE INCLUDED.
7. THE HVAC CONTRACTOR SHALL SUBMIT A COMPLETE LIST OF ALL ELECTRICAL POWER REQUIREMENTS OF HIS HVAC EQUIPMENT TO THE ENGINEER AND TO THE ELECTRICAL CONTRACTOR FOR COORDINATION OF WIRING AND CIRCUITS. ANY INADEQUACY OF WIRING PROVISIONS WILL BE RECTIFIED AT THE EXPENSE OF THE HVAC CONTRACTOR UNLESS THE REQUIREMENTS ARE SHOWN CLEARLY ON THIS LIST. HVAC EQUIPMENT SUBMITTALS WILL BE REJECTED IF THIS LIST IS NOT ATTACHED.
8. REFER TO THE SPECIFICATIONS FOR CONTROL SYSTEM REQUIREMENTS. THE PROPER PERFORMANCE OF THE CONTROL SYSTEM IS THE RESPONSIBILITY OF THIS CONTRACTOR.
9. THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS WORK WITH THE WORK OF OTHER CONTRACTORS ON THE PROJECT. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
11. REFER TO THE SPECIFICATIONS FOR ALL REQUIREMENTS FOR DUCTWORK, INSULATION, AND DUCTWORK INSTALLATION REQUIREMENTS. DUCT DIMENSION ON PLANS ARE TO BE FINISHED INSIDE DIMENSIONS OF THE DUCT.
12. ALL ROOF AND WALL PENETRATIONS REQUIRED SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL SLEEVES, FLASHING, CURBS, REINFORCING ANGLES, SUPPORTING FRAMES, ETC., WHICH ARE REQUIRED UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
13. THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING DURING PERIOD OF CONSTRUCTION. VERIFY ALL POSSIBLE SCHEDULING CONFLICTS WITH THE OWNER'S REPRESENTATIVE.
14. INSTALL ACCESS PANELS OR DOORS WHERE EQUIPMENT AND/OR VALVES ARE LOCATED IN CONCEALED SPACES.
15. THE HVAC CONTRACTOR SHALL REFER TO "TYPICAL HVAC CONSTRUCTION AND INSTALLATION DETAILS" CONTAINED IN THIS PLAN SET FOR ADDITIONAL REQUIREMENTS.

**KEY NOTES**

1. CONNECT THE NEW SUPPLY AIR DUCT TO THE EXISTING SUPPLY AIR DUCT, FIELD VERIFY THE EXACT CONNECTION REQUIREMENTS.
2. SLOPE THIS SECTION OF EXHAUST DUCT TOWARDS THE DISH MACHINE.
3. SLOPE THIS SECTION OF THE EXHAUST DUCT TOWARD THE EXHAUST FAN. USE 14x10 OVAL DUCT IF REQUIRED FOR CLEARANCE.
4. NEW LOCATION FOR THE RELOCATED RE-CIRCULATING KITCHEN HOOD.
5. ROUTE THE 3/4" CONDENSATE DRAIN FROM F-1 DOWN IN THE WALL, OVER TIGHT TO THE FLOOR TO THE FLOOR DRAIN AND TURN DOWN AND SECURE TO THE DRAIN GRID, REFER TO THE WASTE AND VENT PIPING PLAN FOR INFORMATION.
6. OFFSET THE EXHAUST DUCT DOWN THRU THE CEILING TO AVOID THE STRUCTURAL COMPONENTS ABOVE THE CEILING AND PROVIDE THE FINAL CONNECTION TO THE DISH MACHINE, FIELD VERIFY THE REQUIREMENTS.
7. THE EXISTING EXHAUST HOOD AND ALL ASSOCIATED DUCT, EXHAUST FANS, MAKE-UP AIR UNITS AND CONTROLS SHALL REMAIN.
8. CONDENSING UNIT MOUNTED ON THE ROOF, ROUTE THE REFRIGERANT LINE SET DOWN THRU A PIPE CURB.
9. PROVIDE A 6x16 STAINLESS STEEL DRAIN PAN BELOW THE DUCT AT THE WALL PENETRATION, REFER TO THE PLUMBING PLANS FOR DRAIN PIPING INFORMATION.
10. FABRICATE ADAPTOR TO OFFSET EXHAUST DUCT DOWN TO 12x12 EXHAUST FAN CONNECTION. ATTACH DRAIN PAN BELOW THE ADAPTOR.
11. REPLACE EXISTING CEILING DIFFUSER AS INDICATED. CONNECT TO EXISTING DUCTWORK.

NOTE: FIELD VERIFY AVAILABLE SPACES FOR DUCT PLACEMENT AND ADJUST AS REQUIRED AT ALL AREAS OF THIS PLAN.

NOTE: SEE CONTROL DIAGRAM FOR RADIANT HEATER CONTROL.

THE EXISTING SUPPLY AND RETURN GRILLES AND ALL ASSOCIATED DUCTWORK AND CONTROLS SHALL REMAIN FOR THE EXISTING KITCHEN

CONNECT TO EXISTING EXHAUST DUCT

TEMPERATURE SENSOR "B", SEE CONTROL DIAGRAM ON SHEET M6

W.I.C. (403 SF.)

W.I.C. (481 SF.)

W.I.C. (403 SF.)

**HVAC LEGEND**

	SUPPLY AIR DIFFUSER		TURNING VANES		ROUND DUCT		HEATING HOT WATER PIPING (NEW)
	AIR FLOW INDICATOR		VERTICAL SUPPLY DUCT		FLEX DUCT		STEAM PIPING (EXISTING)
	RETURN AIR GRILLE		VERTICAL RETURN DUCT		TEMPERATURE SENSOR		STEAM PIPING (NEW)
	EXHAUST REGISTER		RECTANGULAR DUCT		THERMOSTAT		STEAM CONDENSATE PIPING (NEW)
	WALL GRILLE/REGISTER		SPIRAL DUCT		MANUAL BALANCING DAMPER		CHILLED WATER PIPING (NEW)
	BELLMOUTH FITTING (WITH DAMPER)		EXHAUST DUCT		FIRE DAMPER		PIPING BELOW GRADE
			SPIRAL EXHAUST DUCT		HVAC EQUIPMENT		HVAC CONDENSATE DRAIN (NEW)

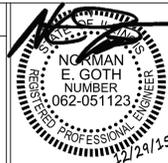
**GROUND FLOOR HVAC PLAN**  
SCALE: 1/8" = 1'-0"



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Drawing Title  
**BLDG. #2 - GROUND FLOOR HVAC PLAN**

Approved Project Director

Project Title  
**CONSTRUCT NEW DIETETICS**  
DEPARTMENT OF VETERAN AFFAIRS  
MEDICAL CENTER

Location  
2401 WEST MAIN STREET, MARION, IL 62959

Date  
12-29-2015

Checked  
D.L.S.

Drawn  
J.J.W.

Project Number  
657A5-10-101

Building Number  
Building #2

Drawing Number  
**M1**  
Dwg 9 of 21

Office of Construction and Facilities Management  
Department of Veterans Affairs

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