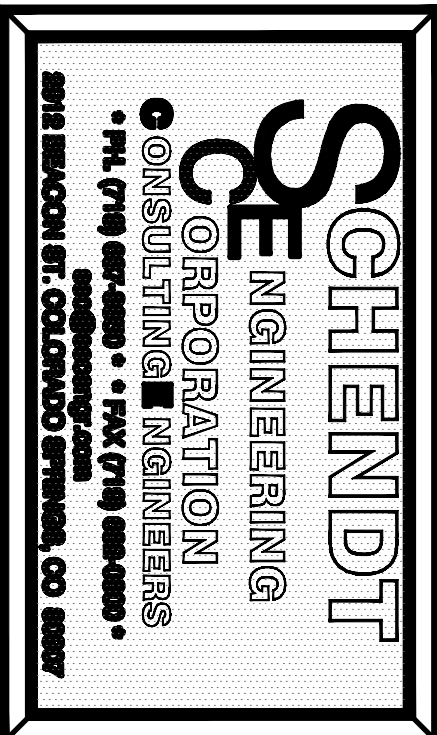


1ST FLOOR MECHANICAL NEW WORK PLAN

SCALE: 1/4" = 1'-0"

- ### GENERAL NOTES
- NOT ALL DUCTWORK, PIPING, AND ACCESSORIES ARE NECESSARILY SHOWN ON THIS DRAWING, BUT WHAT WAS DEEMED NECESSARY TO SHOW INTENT OF WORK INVOLVED IN THIS PROJECT REFER TO ALL OTHER PLANS, SECTIONS, AND SPECIFICATIONS FOR COMPLETE SYSTEM REQUIREMENTS.
 - THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF ANY WORK, AND SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITIONS.
 - COORDINATE ALL PENETRATIONS OF FLOOR, ROOF, WALLS, ETC. WITH GENERAL CONTRACTOR. ALL PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION SHALL BE SEALED WITH A FIRE RATED GASKET EQUAL TO OR EXCEEDING THE CONSTRUCTION FIRE RATING.
 - ALL MATERIALS IN THE RETURN AIR PLenums SHALL HAVE A MAXIMUM VOLUME OF 10% OF THE TOTAL PLenum VOLUME. PROVIDE AND INSTALL BALANCING OF 50 IN ACCORDANCE WITH SECTION 602.2.1 OF THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
 - FLEXIBLE AIR DUCTS SHALL CONFORM TO UL181 IN ACCORDANCE WITH SECTION 603.6 OF THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE. LENGTH OF FLEX DUCT SHALL NOT EXCEED 5 FT.
 - ALL MECHANICAL EQUIPMENT SHALL BE LABELED AS TO THE AREAS(S) SERVED IN ACCORDANCE WITH SECTION 304.11 OF THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
 - PROVIDE ACCESS DOORS OR OTHER MEANS OF APPROVED ACCESS TO ALL MECHANICAL EQUIPMENT. ACCESS DOORS SHALL BE LABELED AS TO THE EQUIPMENT THEY ACCESS AND ON THE CEILING BELOW. ACCESS DOORS SHALL BE LABELED ON THE ACCESS DOOR AND ON THE CEILING BELOW.
 - PROVIDE AND INSTALL BALANCING DAMPERS AT EACH BRANCH TAKE-OFF OF SUPPLY AND EXHAUST AIR SYSTEMS. PROVIDE AND INSTALL BALANCING DAMPER AT EACH BRANCH TAKE-OFF OF RETURN SYSTEMS WHERE INDICATED.
 - MOUNT SPACE TEMPERATURE SENSORS, THERMOSTATS, OCCUPANCY SENSORS, AND REMOTE CONTROL DEVICES WITH CENTERLINE AT 48" AFF UNLESS OTHER WAS INDICATED.
 - REFRIGERANT PIPING SHALL BE SIZED AND INSTALLED IN STRICT ACCORDANCE WITH THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE. COPPER REFRIGERANT PIPING SHALL BE PROTECTED FROM POTENTIAL DAMAGE.
 - COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE 120V OUTLET WITHIN 25 FT. OF ALL EXTERIOR MECHANICAL EQUIPMENT.
 - ALL FRESH AIR INTAKES AND EXHAUST OPENINGS SHALL HAVE 1/4" MESH BIRD SCREENS.
 - PROVIDE BALANCING REPORT IN ACCORDANCE WITH THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE. SUBMIT TO THE ARCHITECT FOR FINAL APPROVAL. PROVIDE BALANCING REPORT TO INSPECTOR AT TIME OF HEATING FINAL INSPECTION.
 - DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH THE SPECIFICATIONS CODE. SECTION 503.2.7 OF THE INTERNATIONAL ENERGY CONSERVATION CODE. SECTION 503.2.7 OF THE INTERNATIONAL ENERGY CONSERVATION CODE.
 - PROVIDE AND INSTALL MANUAL AIR VENTS AT ALL HIGH POINTS AND DRAIN VALVES AT ALL LOW POINTS IN HYDROIC PIPING.
 - ALL HEATING WATER SUPPLY AND RETURN BRANCH PIPING TO TERMINAL VALVES AT ALL LOW POINTS IN HYDROIC PIPING.
 - ALL HEATING WATER SUPPLY AND RETURN BRANCH PIPING TO TERMINAL VALVES AT ALL LOW POINTS IN HYDROIC PIPING.
 - MANY AREAS OF CONSTRUCTION ARE VERY CONGESTED. INSTALLATION OF MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT THERE IS ADEQUATE ROOM FOR ALL MATERIALS AND EQUIPMENT. MATERIALS AND EQUIPMENT WHICH DOES NOT ALLOW FOR REMAINING MATERIALS AND EQUIPMENT WILL BE REMOVED AND RELOCATED AT NO COST TO THE OWNER. IN GENERAL, PREFERENCE SHALL BE GIVEN TO NEW CONSTRUCTION OVER EXISTING CONSTRUCTION.
 - DUCTWORK, CABLE TRAY, HYDROIC PIPING, SPRINKLER PIPING AND CONDUIT RESPECTIVELY.)
- ### KEYNOTES
- MOUNT NEW DIFFUSERS AND RETURN GRILLS IN LOCATIONS SHOWN.
 - NEW VAV UNITS. SEE "VAV UNIT COIL CONNECTION WITH 2-WAY VALVE DETAIL" ON SHEET H8.
 - NEW HEATING HOT WATER PIPING. SEE "HEATING HOT WATER PIPING SUPPORT HANGER DETAIL" ON SHEET H8.
 - NEW CABINET UNIT HEATER. SEE "CABINET UNIT HEATER HOT WATER PIPING DIAGRAM" ON SHEET H8.

35% REVIEW	04/30/2009
75% REVIEW	05/21/2009
100% FINAL	06/05/2009
DATE	



Drawing Title	Project Title
FIRST FLOOR MECHANICAL NEW WORK PLAN	REPLACE AIR HANDLING UNIT BUILDING 5
Approved: Medical Center Director	Location: 650 NORTH ACADE GRAND AVENUE, CO 81901
Approved: Assistant Administrator, Engineering Department	Date: April 15, 2009
Checked: TBS	Drawn: DLS

Project Number	Building Number
578-10-106	BUILDING NO. 5
Drawing Number	H6

