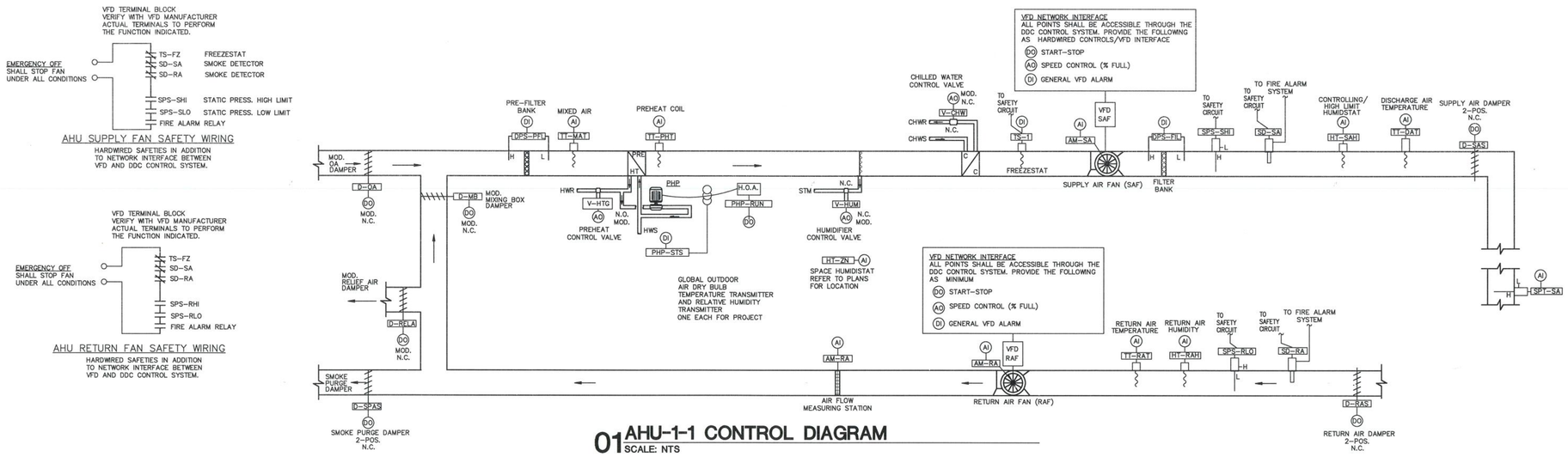
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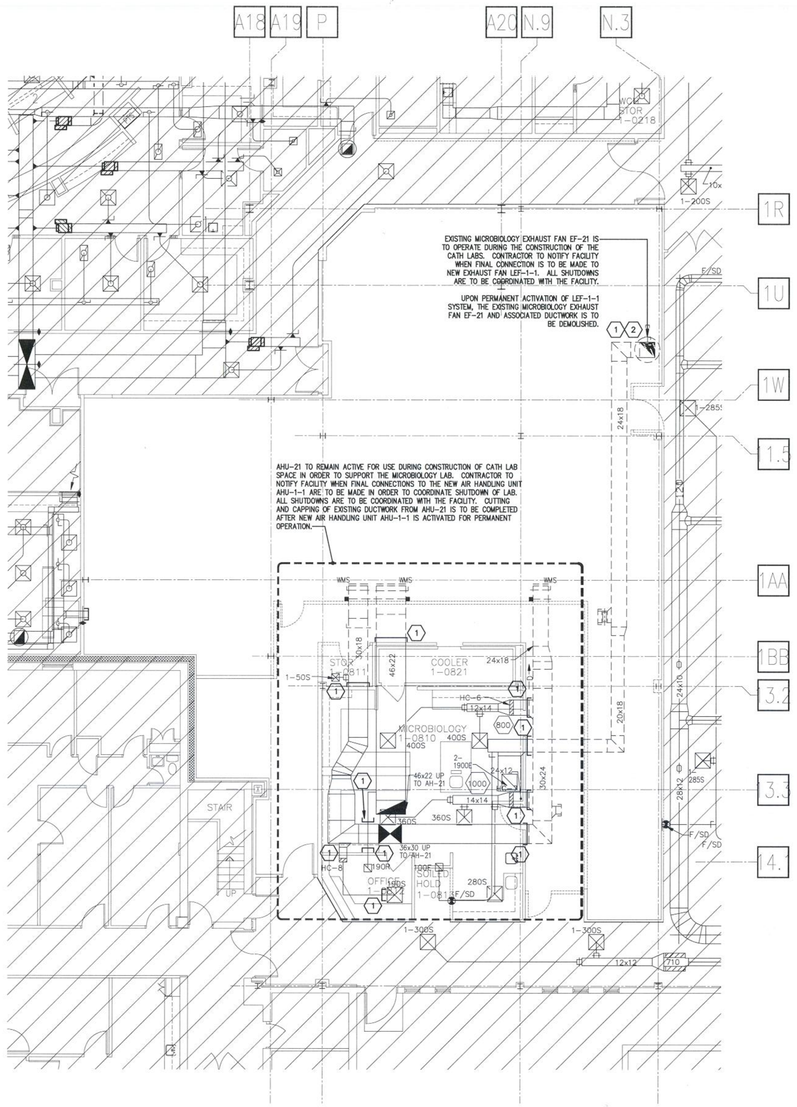


01 AHU-1-1 CONTROL DIAGRAM
SCALE: NTS

DDC INPUT / OUTPUT POINTS LIST

AHU-1-1
FIRST FLOOR CATH LABS

| POINT DESCRIPTION | DESIGNATION | NOTES | QUANTITY | GRAPHIC DISPLAY | HARDWARE OUTPUT DIGITAL: DAMPER OPEN / CLOSE | VALVE OPEN / CLOSE | START / STOP | FORCE ON | FORCE OFF | ENABLE / DISABLE | HARDWARE OUTPUT ANALOG: DAMPER CONTROL | VALVE CONTROL | CONTROL | FIXED PRESET | HARDWARE INPUT DIGITAL: END SWITCH | RELAY CONTACTS | HAND SWITCH | CURRENT RELAY | PRESSURE SWITCH | DIFFERENTIAL PRESS | FLOW SWITCH | AUX CONTACTS | STATUS | ALARM | FAULT RESET | HARDWARE INPUT ANALOG: PRESSURE | DIFFERENTIAL PRESS | FLOW METER | KW | HERTZ REFERENCE | TEMPERATURE (DB) | RELATIVE HUMIDITY | DEW POINT | MEASURE | SPEED / POSITION | PULSE | ALARMS: STATUS FAILURE | HIGH LIMIT | LOW LIMIT | SMOKE | MAINTENANCE | CALCULATED VALUE: KW | BTUH | CFM | GPM | RUN TIME | INTEGRATOR | GALLONS / TON | PROGRAMS: AUTO RESTART | CHILLER OPTIMIZATION | COND WATER RESET | DEMAND LIMITING | EVENT PROGRAMS | FAIL MODE (CLOSED) | FAIL MODE (OPEN) | LIGHTING CONTROL | RUN TIME | SCHEDULED START / STOP | LEAD / LAG | SUPPLY AIR RESET | TREND LOGGING |
|---|---|---



01 PARTIAL FIRST FLOOR DEMOLITION PLAN - DUCTWORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET M-0000 FOR GENERAL NOTES.

LEGEND NOTES

1. REMOVE EXISTING DUCT AND CONNECTED AIR DEVICES AS SHOWN, INCLUDING THERMOSTATS, CONTROL WIRING, ETC. TO THIS POINT. CAP & SEAL ALL ABANDONED TAPS AIR TIGHT.
2. REMOVE EXISTING EQUIPMENT AND CONNECTED POWER, THERMOSTATS, CONTROL WIRING, ETC.

THIS SHEET OF DRAWINGS HAS NOT BEEN REVIEWED FOR CODE COMPLIANCE.

09-399209

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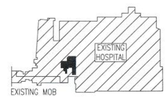
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KEY PLAN

FIRST FLOOR





Revisions		
1	ADDENDUM #2	04-22-09
NO.	ISSUE	DATE

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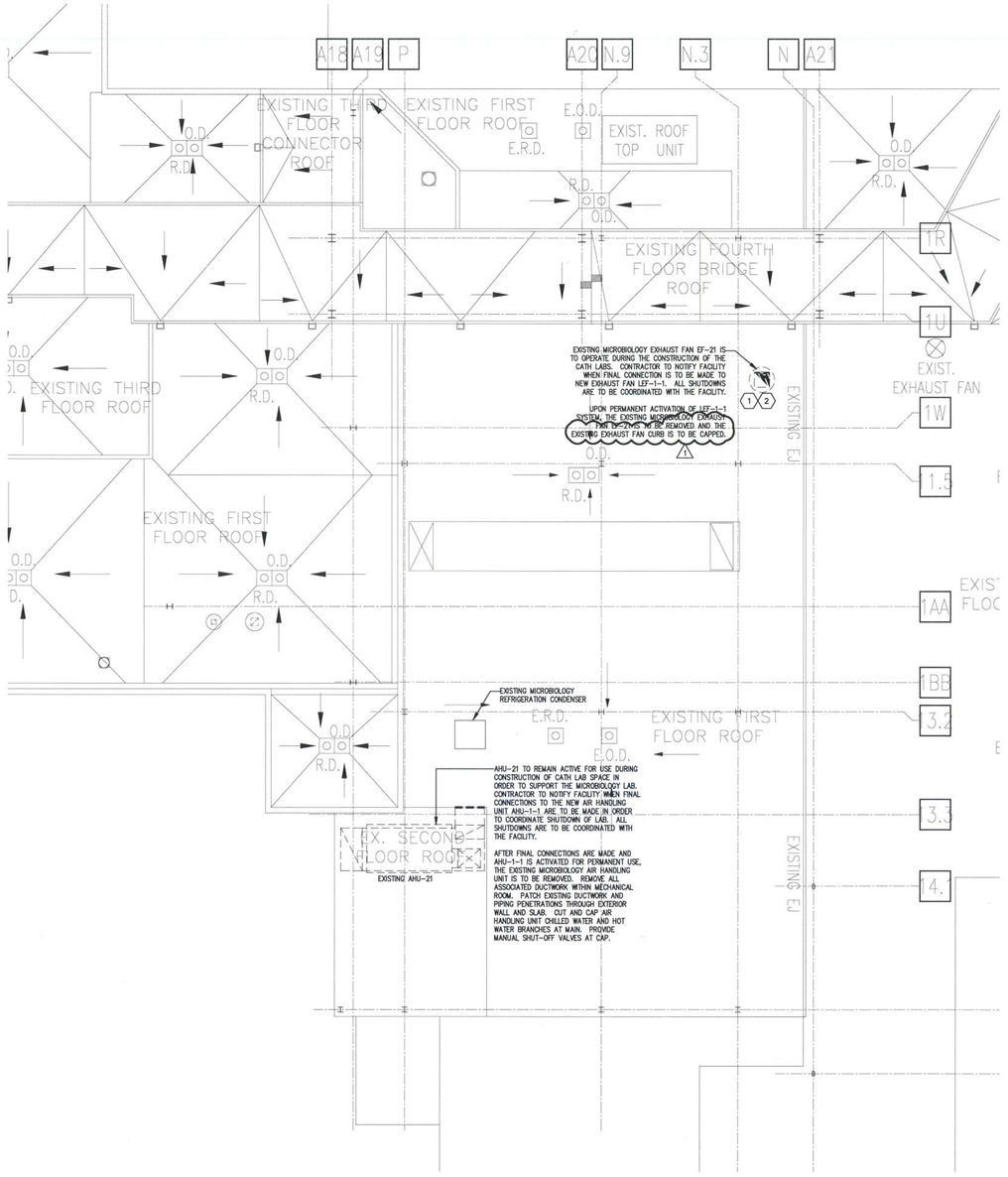
DUCTWORK DEMOLITION PLAN FIRST FLOOR

Sheet

MD-2001

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01 DUCTWORK DEMOLITION PLAN - ROOF
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET M-0000 FOR GENERAL NOTES.

LEGEND NOTES

1. REMOVE EXISTING DUCT AND CONNECTED AIR DEVICES AS SHOWN, INCLUDING THERMOSTATS, CONTROL WIRING, ETC. TO THIS POINT. CAP & SEAL ALL ABANDONED TAPS AIR AND WEATHER TIGHT.
2. REMOVE EXISTING EQUIPMENT AND CONNECTED POWER, THERMOSTATS, CONTROL WIRING, ETC.

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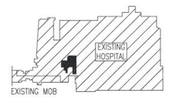
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KEY PLAN
FIRST FLOOR





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Approved	MM

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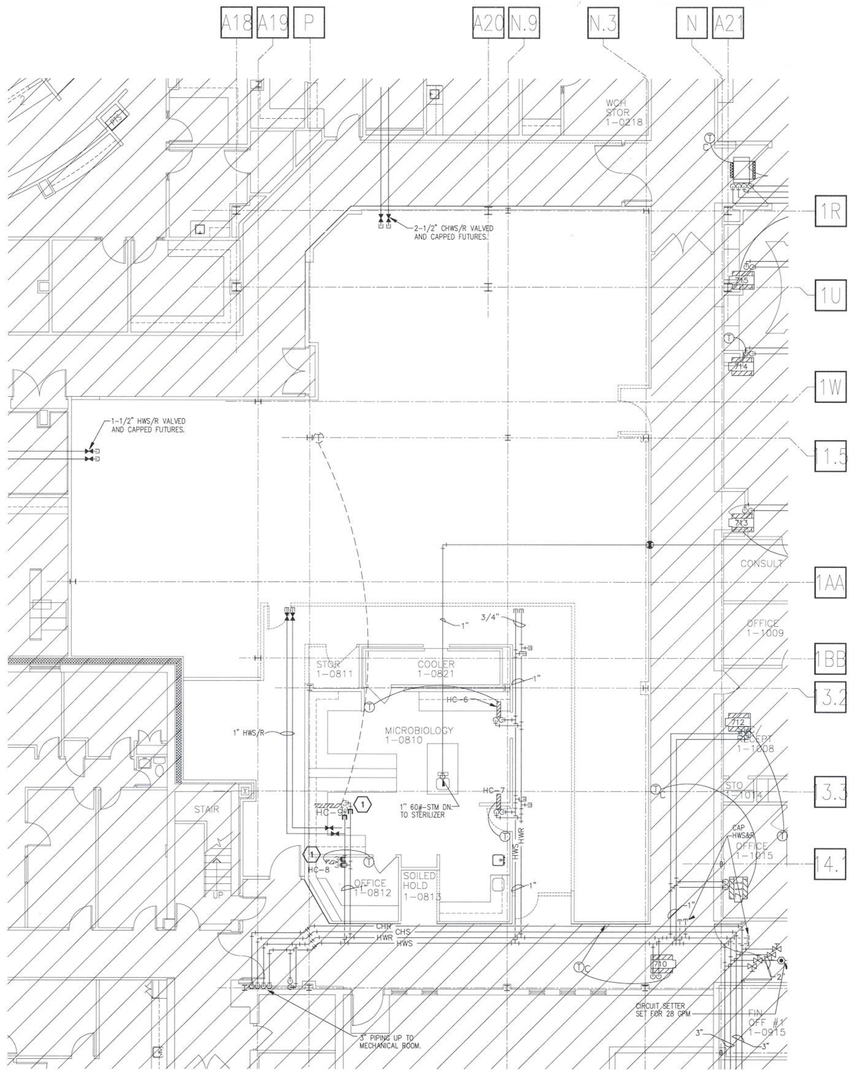
DUCTWORK DEMOLITION PLAN ROOF

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01 PARTIAL FIRST FLOOR DEMOLITION PLAN - PIPING

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET M-0000 FOR GENERAL NOTES.

B. PROVIDE PIPE HANGERS AS REQUIRED TO ACCOMMODATE EXISTING PIPING TO REMAIN.

LEGEND NOTES

(1) CUT AND CAP HOT WATER PIPING AT LOCATIONS SHOWN. PROVIDE VALVE AT CAP LOCATION. DEMOLITION OF PIPING AND COILS TO TAKE PLACE AFTER NEW AIR HANDLING AHU-1-1 IS ACTIVATED FOR PERMANENT OPERATION. COORDINATE ALL REQUIRED SHUTDOWNS WITH FACILITY.

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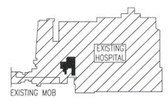
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KEY PLAN
FIRST FLOOR





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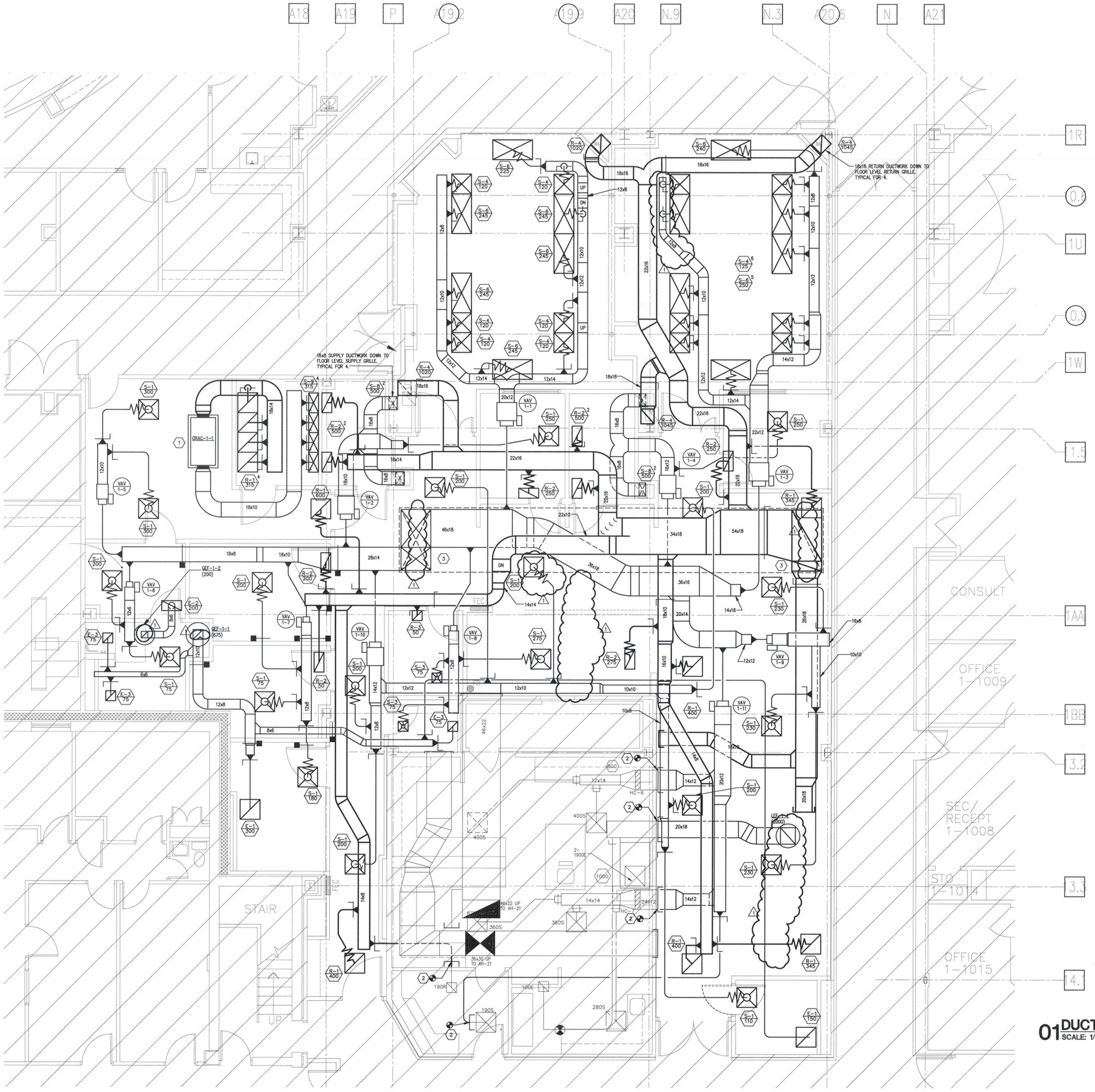
PIPING DEMOLITION PLAN FIRST FLOOR

Sheet

MD-3001

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GENERAL NOTES

A. REFER TO SHEET M-0000 FOR GENERAL NOTES.

B. REBALANCE ALL EXISTING AIR OUTLETS, AIR HANDLING UNITS AND TERMINAL BOXES AFFECTED BY SCOPE OF RENOVATION AND NEW CONSTRUCTION.

LEGEND NOTES

1. PROVIDE AUXILIARY DRIP PAN WITH LEAK DETECTOR FOR COMPUTER ROOM AIR HANDLER. TIE LEAK DETECTOR INTO FMS AND LIEBERT UNIT CONTROL PANEL.
2. CONNECT TO EXISTING DUCTWORK AT LOCATION SHOWN. NEW DUCTWORK TO MATCH DUCTWORK SIZE AT POINT OF CONNECTION.
3. PROVIDE DUCT SMOKE DETECTORS ON AHU SUPPLY AND RETURN AIR HANDLING UNIT OUTLETS.

ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

CITY OF AURORA
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APPROVED AS NOTED
DATE 7/10/09

09-399209

01 DUCTWORK PLAN - FIRST FLOOR

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

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KEY PLAN

FIRST FLOOR

EXISTING HOSPITAL
EXISTING MOB

COLORADO REGISTERED RICHARD L. KOSS 34031 PROFESSIONAL ENGINEER

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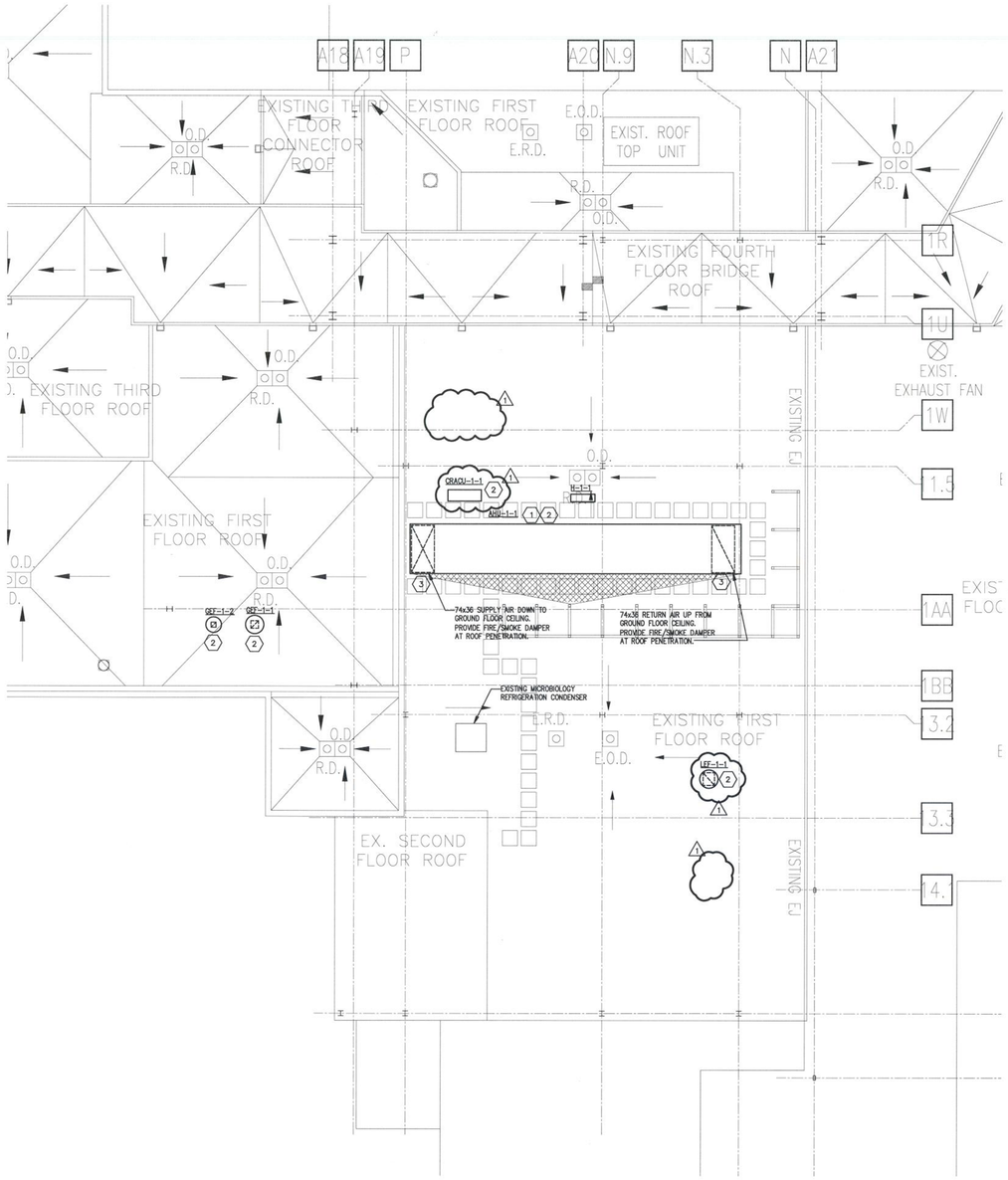
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01 DUCTWORK PLAN - ROOF
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET M-0000 FOR GENERAL NOTES.

B. REBALANCE ALL EXISTING AIR OUTLETS, AIR HANDLING UNITS AND TERMINAL BOXES AFFECTED BY SCOPE OF RENOVATION AND NEW CONSTRUCTION.

LEGEND NOTES

1. ROUTE CONDENSATE FROM COOLING COIL TO NEAREST ROOF DRAIN.
2. PROVIDE INSULATED ROOF CURB FOR EQUIPMENT. COORDINATE REQUIREMENTS WITH MANUFACTURER AND STRUCTURAL ENGINEER.
3. PROVIDE DUCT SMOKE DETECTORS ON AHU SUPPLY AND RETURN UNIT OUTLETS.

ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

CITY OF AURORA
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APPROVED AS NOTED
DATE 7/7/09

09-399209

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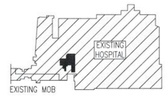
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KEY PLAN
FIRST FLOOR



COLORADO REGISTERED DONALD L. MM 43831 PROFESSIONAL ENGINEER 04/22/09

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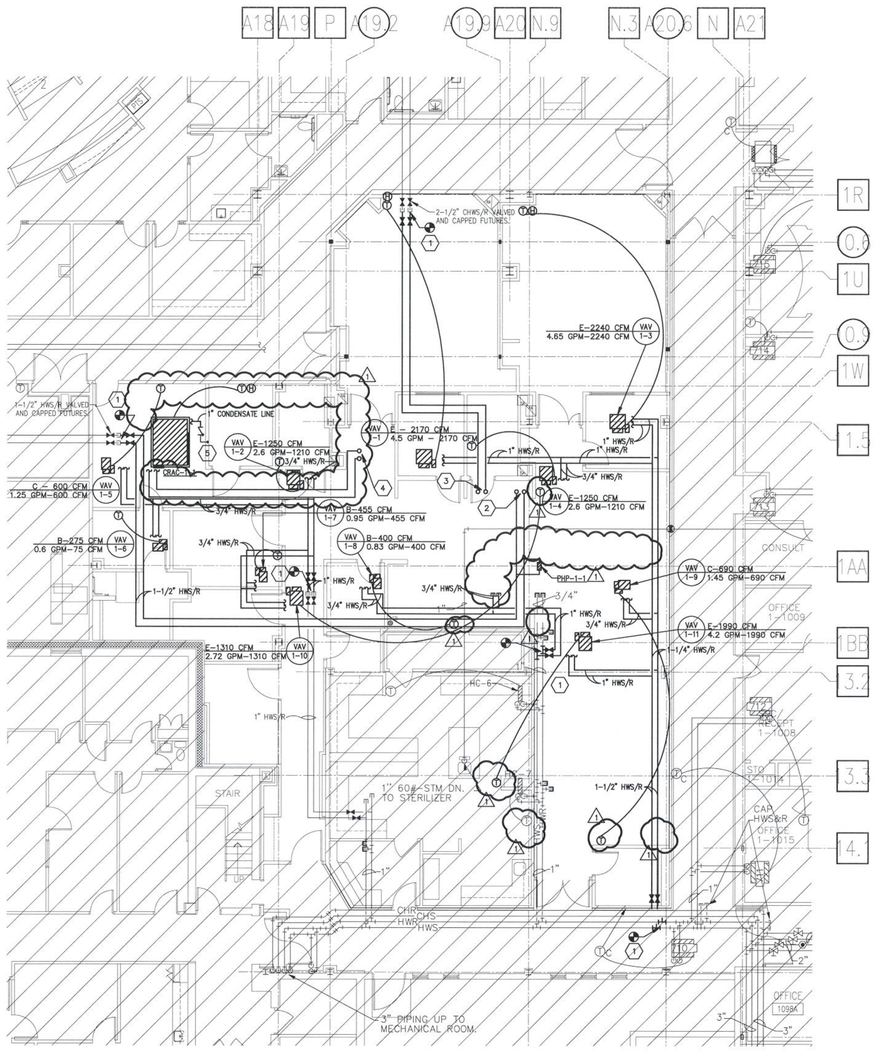
DUCTWORK PLAN ROOF

Sheet

M-2002

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01 PIPING PLAN - FIRST FLOOR
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET M-0000 FOR GENERAL NOTES.

B. PROVIDE BACKFLOW PREVENTER FOR ALL DOMESTIC WATER PIPING LINES ROUTED TO HVAC EQUIPMENT.

LEGEND NOTES

1. CONNECT TO EXISTING PIPING AT LOCATION SHOWN. PROVIDE MANUAL SHUT-OFF VALVES AT EACH CONNECTION POINT.
2. 1-1/2" HWS/R UP TO ROOF. EXTERIOR PIPING TO BE HEAT TRACED. PROVIDE MANUAL SHUT OFF VALVE IN CEILING AT ROOF PENETRATION.
3. 2-1/2" CHWS/R UP TO ROOF. EXTERIOR PIPING TO BE HEAT TRACED. PROVIDE MANUAL SHUT OFF VALVE IN CEILING AT ROOF PENETRATION.
4. REFRIGERANT PIPING DOWN FROM ROOF TO CEILING. COORDINATE EXACT SIZE AND ROUTING WITH MANUFACTURER.
5. ROUTE CONDENSATE TO FUNNEL DRAIN LOCATED UNDER STAFF LOUNGE SINK.

ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED
DATE 2/19/09

09-399209

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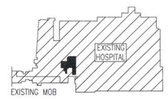
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KEY PLAN
FIRST FLOOR



COLORADO REGISTERED RICHARD L. RUSK 31031 PROFESSIONAL ENGINEER

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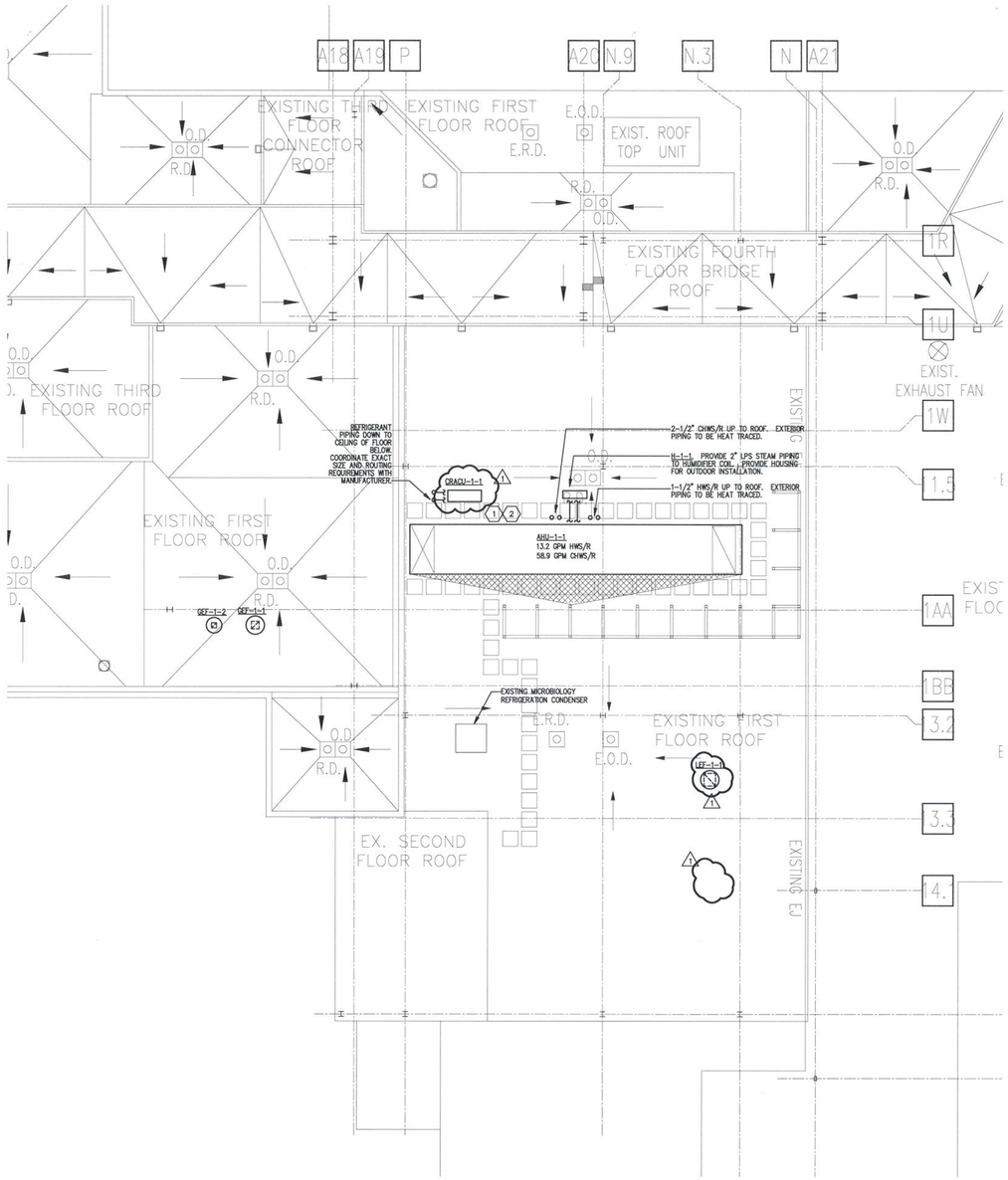
PIPING PLAN FIRST FLOOR

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01 PIPING PLAN - ROOF
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET M-0000 FOR GENERAL NOTES.

B. PROVIDE HEAT TRACING FOR ALL EXTERIOR CHILLED WATER, HOT WATER, AND DOMESTIC COLD WATER PIPING.

C. PROVIDE BACKFLOW PREVENTER FOR ALL DOMESTIC WATER PIPING LINES ROUTED TO HVAC EQUIPMENT.

LEGEND NOTES

1. ROUTE CONDENSATE FROM COOLING COIL TO NEAREST ROOF DRAIN.
2. ROUTE 2" CONDENSATE FROM HUMIDIFIER TO MOP SINK LOCATED IN THE JANITOR CLOSET AT THE FLOOR BELOW. PROVIDE DRAIN COOLER FOR HUMIDIFIER CONDENSATE.

ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED
DATE 7/6/09

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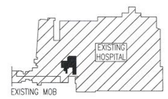
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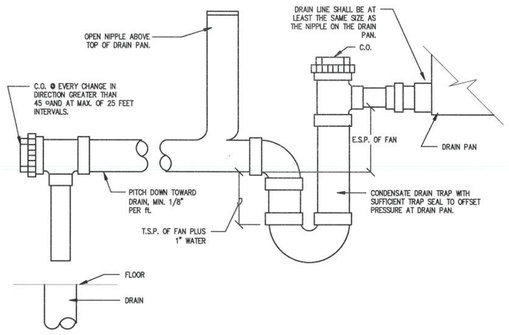
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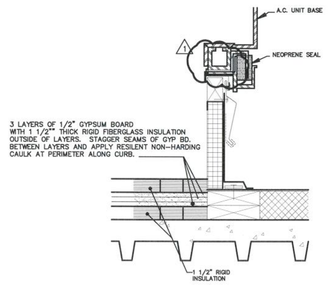
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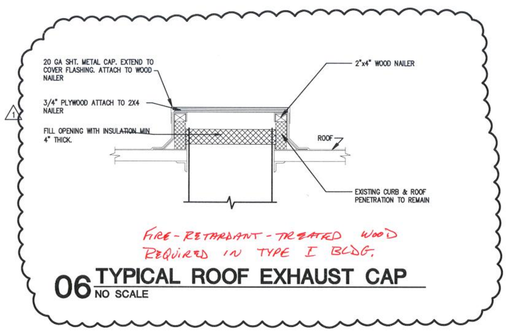
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04 CONDENSATE DRAIN TRAP DETAIL
NO SCALE

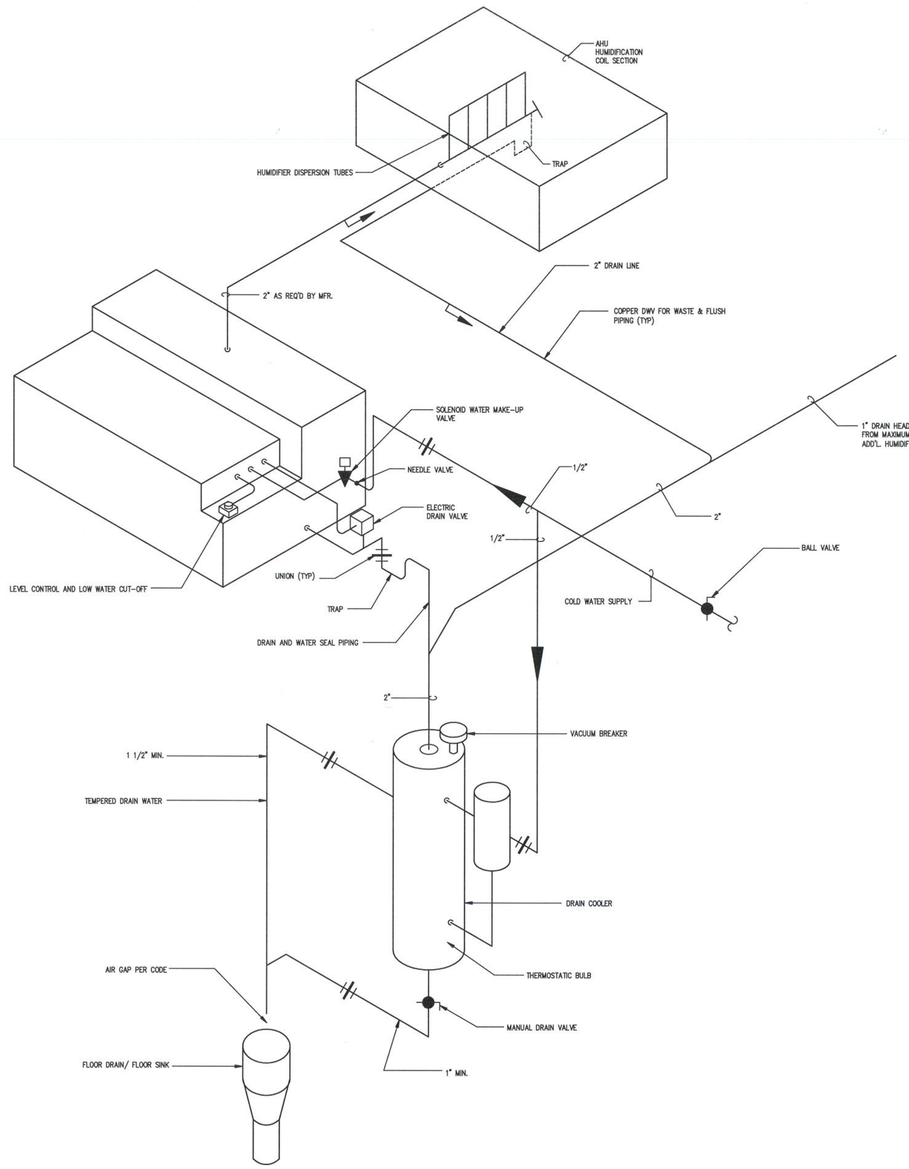


05 TYPICAL RTU CURB
NO SCALE



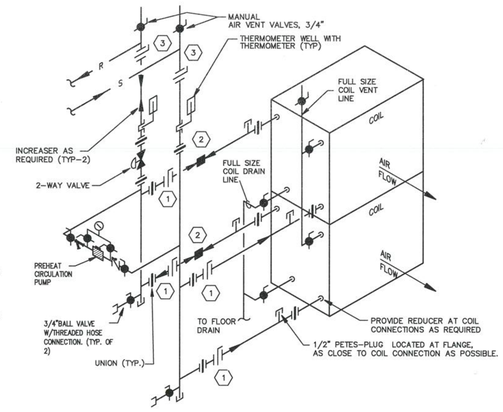
FIRE-RETARDANT-TREATED WOOD REQUIRED IN TYPE I BLDG.

06 TYPICAL ROOF EXHAUST CAP
NO SCALE



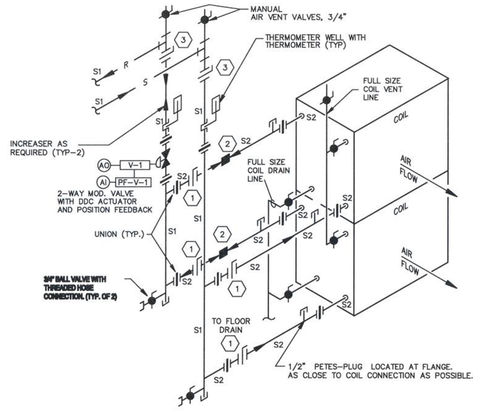
03 ELECTRIC HUMIDIFIER DETAIL
NO SCALE

VALVE LEGEND
1. COIL SECTION ISOLATION VALVE
2. COIL SECTION BALANCE VALVE
3. UNIT ISOLATION VALVE



NOTES:
1. COIL SHALL BE PIPED COUNTER FLOW REGARDLESS OF VERTICAL CONNECTION CONFIGURATION.
2. STACKED COILS INDICATED. SINGLE COILS PIPED SIMILARLY.
3. PIPING CONFIGURATION SHALL ALLOW REMOVAL OF EACH COIL SECTION.
4. REFER TO SPECIFICATIONS FOR VALVE TYPES.

01 AIR HANDLING UNIT PREHEAT WATER COIL W/ PUMP
NO SCALE



NOTES:
1. COIL SHALL BE PIPED COUNTER FLOW REGARDLESS OF VERTICAL CONNECTION CONFIGURATION.
2. STACKED COILS INDICATED. SINGLE COILS PIPED SIMILARLY.
4. REFER TO SPECIFICATIONS FOR VALVE TYPES.

PIPE SIZING
S1 – PIPE SIZE AS SHOWN ON PLANS TO SERVE UNIT
S2 – SAME SIZE AS MANUFACTURER'S COIL CONNECTION.

VALVE LEGEND
REFER TO VALVE SCHEDULE ON M1.00
1. COIL SECTION ISOLATION VALVE
2. COIL SECTION BALANCE VALVE
3. UNIT ISOLATION VALVE

02 AIR HANDLING UNIT CHILLED WATER COIL
NO SCALE

HCA:083103

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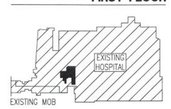
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KEY PLAN
FIRST FLOOR



COLORADO REGISTERED RICHARD L. REID PROFESSIONAL ENGINEER

Revisions

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MECHANICAL DETAILS SHEET 3 OF 3

Sheet

M-4003

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AIR HANDLING UNIT SCHEDULE

DESIGNATION		AHU-1-1
LOCATION		CATH LAB ROOF
SERVICE		CATH LAB AND MICROBIOLOGY
SUPPLY FAN	CFM (MAX)	14,800
	ESP / TSP ("WG)	3.00
	FAN MOTOR HP (MIN)	30
	POWER (VOLTS / PH)	460 / 3
	FAN WHEEL DIAMETER (IN)	22
	FAN WHEEL TYPE	AF
	DRIVE	VFD
	FAN RPM	2244
RETURN FAN	CFM (MAX / MIN)	14,800
	ESP / TSP ("WG)	2.0
	FAN MOTOR HP (MIN)	10
	POWER (VOLTS / PH)	460/3
	FAN WHEEL DIAMETER (IN)	25
	FAN WHEEL TYPE	FC
	DRIVE	VFD
	FAN RPM	678
COOLING COIL DATA	TYPE / SQ FT (MIN)	CHW / 31.1
	CFM	14,800
	MAX FACE VEL (FPM)	475
	MAX AIR P.D. ("WG)	3.0
	TOTAL / SENS / LAT (MBH) (MIN) / SHR	414.14 / 414.13 / 0.01 / 1.0
	EAT °F DB/WB	79 / 58
	LAT °F DB/WB	48 / 46
	EWT °F/ LWT °F	42 / 56
	GPM (MAX)	58.95
	WATER P.D. (FT)	12.0
	MIN ROWS / MAX FINS PER FOOT	8 / 122
GLYCOL COIL DATA	TYPE / SQ FT (MIN)	NONE
	CFM	
	MAX FACE VEL (FPM)	
	MAX AIR P.D. ("WG)	
	TOTAL / SENS / LAT (MBH) (MIN) / SHR	
	EAT °F DB/WB	
	LAT °F DB/WB	
	EWT °F/ LWT °F	
	GPM (MAX)	
	WATER P.D. (FT)	
	MIN ROWS / MAX FINS PER FOOT	
HEATING COIL DATA	TYPE / POSITION	HW / PREHEAT
	CFM	14,800
	MAX FACE VEL (FPM)	475
	MAX AIR P.D. ("WG)	0.16
	SENS (MBH)	198
	EAT °F DB	40
	LAT °F DB	55
	EWT °F/ LWT °F	180 / 150
	GPM (MAX)	13.2
	WATER P.D. (FT)	0.22
	MIN ROWS / MAX FINS PER FOOT	2 / 82
HUMIDIFICATION MODULE DATA	CFM	14,800
	STEAM (LBS/HR)	189.5
	ERH/LRH	26/41.5
	EWB/LWB	58/64
	CONTROL TYPE	ELECTRONIC
OUTSIDE AIR CFM (MIN) (AT FULL COOLING)		2,960
FIRST FILTER DATA	CFM	14,800
	TYPE	SNAP-IN
	EFFICIENCY (%) (ASHRAE 52)	MERV 11 (65%)
	MAX. VELOCITY (FPM)	450
	P.D. (DIRTY / CLEAN)	1.0 / 0.3
FINAL FILTER DATA	CFM	14,800
	TYPE	HEPA
	EFFICIENCY (%) (ASHRAE 52)	99.75%
	MAX. VELOCITY (FPM)	450
	P.D. (DIRTY / CLEAN)	1.5 / 0.5
BASED ON (MANUF / MODEL NO.)		TRANE MCCB025
WEIGHTS (INCLUDING PLENUMS)		–
REMARKS / NOTES		1 – 18

NOTES:

1. CLEAN FILTERS. ISP EQUALS AHU SP LOSS WITH CLEAN FILTERS. TSP EQUALS ESP + ISP. TSP LISTED IS FOR REFERENCE ONLY.
2. FAN MOTOR NAMEPLATE HP SHALL NOT BE EXCEEDED AT SCHEDULED CFM AND TSP
3. IF MANUFACTURERE'S COOLING COIL PROMOTES MOISTURE CARRYOVER AT THE ALLOWABLE MAX FACE VELOCITY, THEY SHALL OVERSIZE THE COIL FACE AREA TO PREVENT MOISTURE CARRYOVER AT THESE CONDITIONS.
4. COILS SHALL NOT BE COATED UNLESS OTHERWISE INDICATED.
5. COOLING COIL SENSIBLE HEAT RATIO (SHR) TOLERANCE EQUALS PLUS OR MINUS 0.3. EXAMPLE: CSHR = 0.79 MAX = 0.76 MIN=0.82
6. 5/8" OD TUBES
7. PROVIDE VAPOR-TIGHT FLUORESCENT LIGHT FIXTURE IN EACH ACCESSIBLE SECTION. PROVIDE ONE 3-WAY SWITCH WITH PILOT LIGHT ON EACH SIDE OF AHU TO ENERGIZE ALL LIGHTS. FACTORY WIRE ALL FIXTURES AND SWITCHES TO EXTERNAL JUNCTION BOX FOR FIELD CONNECTION TO A 277V CIRCUIT
8. HEATING COIL SHALL BE SAME SIZE AS CHW COIL UNLESS OTHERWISE INDICATED.
9. PRE-FILTERS SHALL BE SNAP-IN TYPE WITH SUPPORTS ON ALL FOUR SIDES. FILTER BANK SHALL BE FULL-SIZE. BLANK-OFF PLATES SHALL NOT BE USED. FILTERS AS MFG BY 3M/FILTRETE 800 ES PREMIUM.
10. REFER TO HUMIDIFIER SCHEDULE FOR HUMDIFCATION SECTION.
11. HORIZONTAL DRAW-THRU
12. DOUBLE WALL CONSTRUCTION: 2" THICK, 3# INSULATION.
13. INTERNALLY ISOLATED FAN, DRIVE, AND MOTOR.
14. VARIABLE FREQUENCY DRIVES FOR EACH FAN MOTOR.
15. AHU SECTION WITH HUMIDIFIERS
    RETURN FAN SECTION
    BLANK SECTION
    BLANK SECTION
    BLANK SECTION
    AIR MIXING/SMOKE PURGE/RELIEF AIR
    AIR MIXING / FILTER SECTION
    AIR BLENDER SECTION
    HEATING COIL SECTION
    ACCESS SECTION
    HUMIDIFICATION SECTION
    COOLING COIL SECTION
    ACCESS SECTION
    MOISTURE ELIMINATOR SECTION
    SUPPLY FAN SECTION
    DIFFUSER SECTION
    FINAL FILTER SECTION
    DISCHARGE PLENUM
16. OUTSIDE AIR INTAKE SHALL BE 3'-0" MINIMUM ABOVE ADJACENT ROOF LEVEL.
17. FURNISH MOTORIZED CONTROL DAMPERS FOR SA, RA, SMOKE PURGE, RELIEF AIR AND OA WITH UNIT.
18. PROVIDE SUPPLY FAN WITH FACTORY INSTALLED AIR FLOW MEASURING PORTS.
19. PROVIDE PARAGON CONTROLS PIEZOMETER RINGS CERTIFIED TO MEASURE AIR FLOW WITHIN +/- 3.0% ACCURACY FOR SUPPLY AND RETURN FAN AIRFLOW MEASUREMENTS.

PUMP SCHEDULE

DESIGNATION	SERVES	LOCATION	TYPE	MIN EFF	GPM	TDH	ELECTRICAL				MANUFACTURER	NOTES
				%		FT	HP	BHP	RPM	VOLT / PH	MODEL #	
PHP-1-1	AHU PREHEAT PUMP	CATH LAB EXPANSION	IN-LINE	70	15	15	0.25	–	1750	277/1	B&G-SERIES 60 (1X1X5 1/4))	4

NOTES:

1. VARIABLE FREQUENCY DRIVE WITH INVERTER DUTY RATED MOTOR AND BYPASS SWITCH.
2. BASE MOUNTED.
3. STEEL OR CAST IRON BASE WITH DRAIN PAN AND DRAIN PIPE CONNECTION.
4. CONSTANT SPEED PUMP
5. ONE AS STANDBY

GENERAL NOTES:

A. NAMEPLATE HORSEPOWER SHALL BE NON-OVERLOADING ON CURVE.
B. PROVIDE 1750 RPM MOTORS UNLESS OTHERWISE INDICATED.
C. OUTDOOR MOTORS SHALL BE TEFC PER DIV 23 SPECS.

ELECTRIC STEAM GENERATION HUMIDIFIER SCHEDULE

MARK	EQUIPMENT SERVED	CFM	MINIMUM HUMIDIFIER OUTPUT (LBS / HR)	MINIMUM NO. OF TUBES	MAX. ABSORPTION DISTANCE	MANUF. / MODEL	NOTES	ELECTRICAL DATA
H-1-1	AHU-1-1	14,800	188.0	6" SPACING	24", NO EXCEPTIONS	ARMSTRONG/HC-6500	ALL	480/3/60, 72kW

NOTES:

1. MULTI-TUBE DISPERSION. FOR UNITS IN AHU'S, REFER TO SCHEDULE FOR AVAILABLE COIL AREA. ALLOW 18" HEIGHT ALONG BOTTOM OF COIL FACE AREA FOR GRIC CONDENSATE DRAINAGE. HUMIDIFIER GRIDS SHALL BE INSTALLED AT AHU FACTORY, COMPLETE WITH PIPING.
2. 15 PSIG STEAM INLET PRESSURE.
3. ARMSTRONG ULTASORB GRID.
4. OTHER REQUIRED COMPONENTS:
   STEAM TRAPS.
   ELECTRIC MODULATING STEAM VALVES.
   STRAINERS.
   DUCT HIGH LIMIT HUMIDISTAT.
   AIR FLOW SWITCH.
   DRAIN COOLER, HORIZONTAL STYLE.
5. PROVIDE HOUSING FOR HUMIDIFIER FOR OUTDOOR INSTALLATION.

ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED
DATE 7/10/09

09-399209

GENERAL NOTES

A. SELECT ALL EQUIPMENT FOR 5331 FEET ABOVE SEA LEVEL.
B. MOTORS FOR USE WITH A VFD SHALL BE INVERTER DUTY RATED AND NAMEPLATED.
C. 480/3 PHASE POWER FOR ALL MOTORS 3/4 HP AND LARGER.
D. BELT DRIVES SHALL BE RATED 1.5 TIMES MOTOR H.P.
E. PROVIDE MAGNETIC MOTOR STARTER FOR ALL NON-VFD MOTORS.

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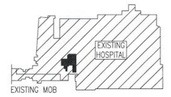
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KEY PLAN
FIRST FLOOR



COLORADO REGISTERED BRIAN L. RUNE 31007 PROFESSIONAL ENGINEER 04/22/09

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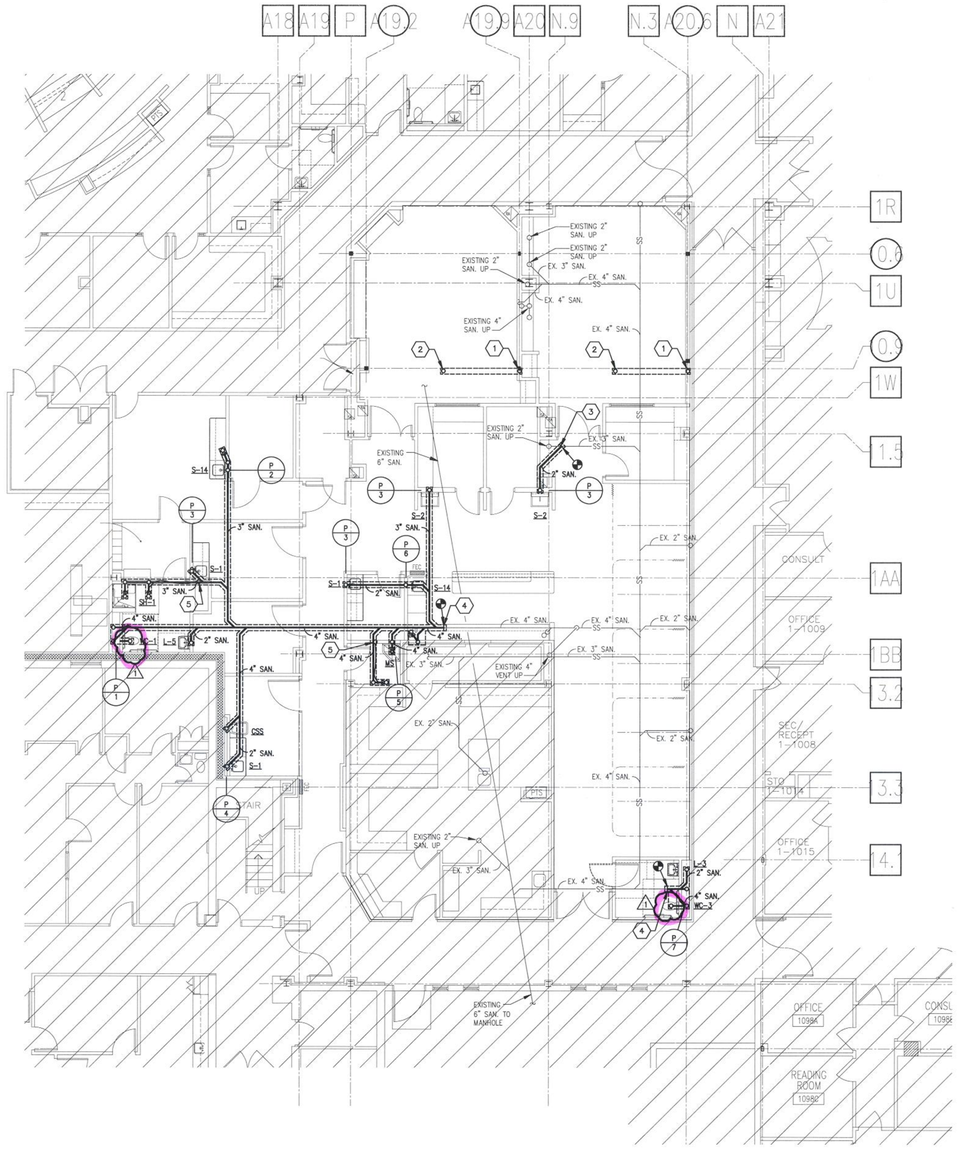
MECHANICAL SCHEDULES SHEET 2 OF 2

Sheet

M-5002

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GENERAL NOTES

A. VERIFY EXACT LOCATION & SIZE OF EXISTING SANITARY LINES AT NEW CONNECTION POINTS.

B. COORDINATE WITH OTHER TRADES FOR EXACT LOCATION OF GAS PIPING SLEEVE.

KEYED NOTES

1. 1/2" OXYGEN, 1/2" MEDICAL AIR, 3/4" MEDICAL VACUUM FROM ABOVE. SEE P-2001 FOR CONT.
2. 1/2" OXYGEN, 1/2" MEDICAL AIR, 3/4" MEDICAL VACUUM UP TO AMICO 12" FLOOR PEDESTAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE P-2001 FOR CONT. COORDINATE WITH PHILLIPS EQUIPMENT AND ARCHITECTURAL PLANS FOR EXACT LOCATION..
3. CONNECT TO EXISTING 3" SANITARY. VERIFY LOCATION, SIZE, AND INVERT ELEVATION BEFORE INSTALLATION OF NEW PIPING.
4. CONNECT TO EXISTING 4" SANITARY. VERIFY LOCATION, SIZE, AND INVERT ELEVATION BEFORE INSTALLATION OF NEW PIPING.
5. 1/2" CW UP TO TRAP PRIMER.

01 PLUMBING PLAN - UNDERFLOOR

SCALE: 1/8" = 1'-0"

2009399209

ONLY HIGHLIGHTED REVISIONS APPROVED ALL PREVIOUS COMMENTS APPLY.

AURORA BUILDING DEPARTMENT
PLUMBING
APPROVED
SUBJECT TO FIELD INSPECTIONS
APPROVED JUL 09 2009
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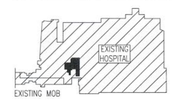
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KEY PLAN

FIRST FLOOR



COLORADO REGISTERED RICHARD L. KING 24032 PROFESSIONAL ENGINEER

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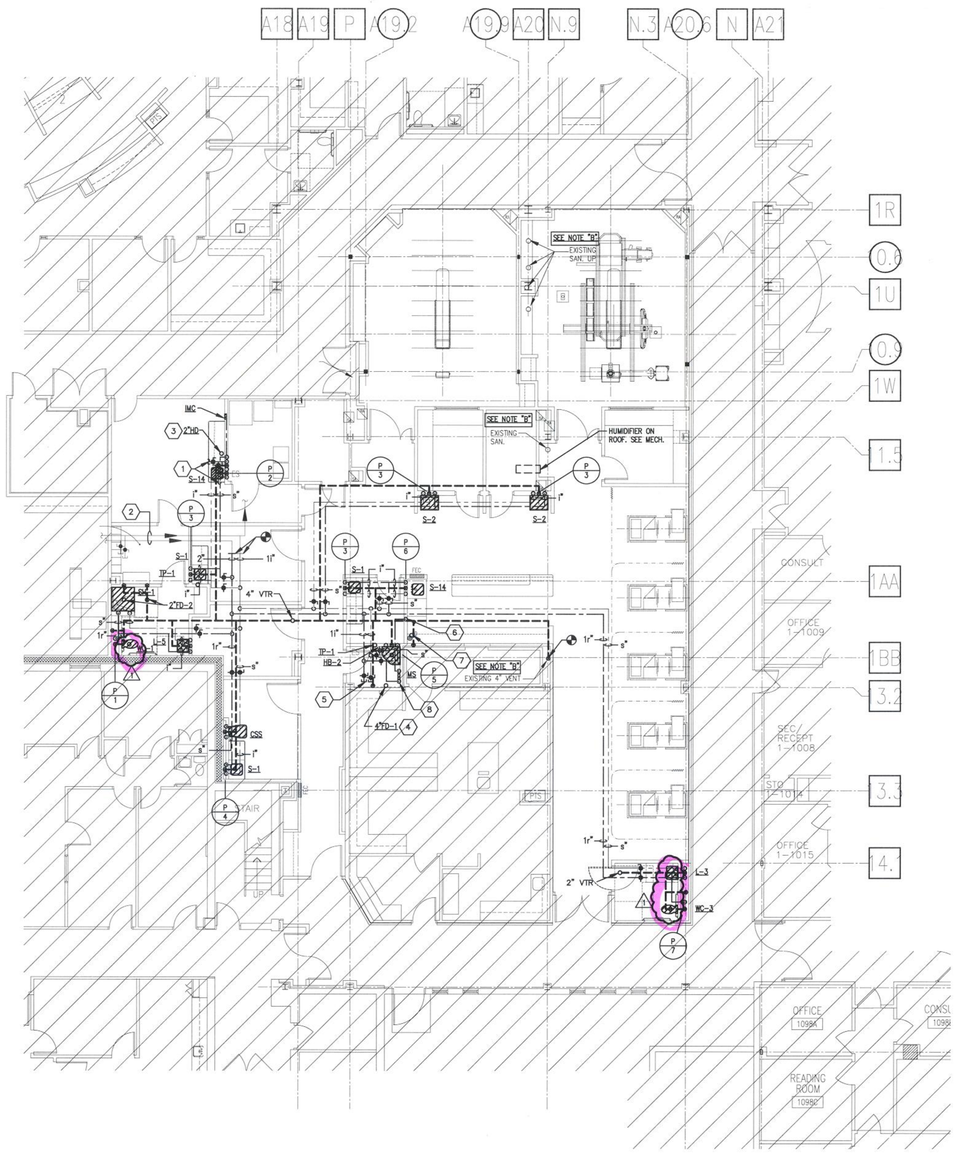
PLUMBING PLAN UNDERFLOOR

Sheet

P-1001

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01 PLUMBING PLAN - FIRST FLOOR
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. ROUTE ALL PLUMBING PIPING AS TIGHT AS POSSIBLE TO BOTTOM OF FLOOR STRUCTURE AND FLOOR JOISTS.

B. VERIFY ALL EXISTING SANITARY PIPING ARE CAPPED. VERIFY ALL EXISTING VENTS ARE CAPPED IN CEILING FOR CONNECTION TO NEW VENT.

KEYED NOTES

1. 1/2" COLD DOWN UP FROM RPBP UNDER SINK. 1/2" COLD WATER UP TO LIEBERT UNIT AND HUMIDIFIER UNIT, SEE MECH. PLANS.
2. EXISTING HW & CW MAINS.
3. 2" HUB DRAIN WITH FUNNEL ABOVE CASEWORK OF CABINET. SEE DETAIL SHT. P-4001.
4. 4" FD-2 FOR FUTURE RPBP LOCATION FOR MICROBIOLOGY LAB.
5. 1-1/2" HW & CW VALVED AND CAPPED FOR FUTURE CONNECTION.
6. 1/2" CW DOWN TO RPBP FOR ICE MAKER. SEE DETAIL SHEET P-4001.
7. ADD FUNNEL TO EXISTING FD. SEE DETAIL SHEET P-4001.
8. FILTERED WATER SYSTEM FOR ICE MACHINE AT N.S. 1113. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

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ONLY HIGHLIGHTED REVISIONS APPROVED ALL PREVIOUS COMMENTS APPLY.

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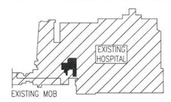
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KEY PLAN
FIRST FLOOR



COLORADO REGISTERED EDWARD L. MAY 31831 PROFESSIONAL ENGINEER 07/27/09

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PLUMBING PLAN FIRST FLOOR

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