MECHANICAL AND PLUMBING SYMBOLS

HVAC EQUIPMENT AND DUCTWORK

- UP / DN — SUPPLY DUCT (UP & DOWN)
- UP / DN — EXHAUST DUCT (UP & DOWN)
- CEILING DIFFUSERS
- 10"ø (A) 250 — REGISTER, NECK SIZE, TYPE & CFM
- SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN CEILING REGISTER OR GRILLE
- EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE)
- VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
- CONNECT NEW DUCT TO EXISTING DUCT
- R — INCLINED RISE, IN DIRECTION OF AIR FLOW
- D — INCLINED DROP, IN DIRECTION OF AIR FLOW
- LIMIT OF DEMOLITION
- FC — FLEXIBLE CONNECTION
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
- VANED ELBOW (SHORT RADIUS)
- STANDARD RADIUS ELBOW
- 10x8 — NEW DUCT (WIDTH x DEPTH)
- EXISTING DUCT TO REMAIN
- EXISTING DUCT TO BE REMOVED
- FLEXIBLE DUCTWORK (INSULATED)
- DUCT WITH SOUND LINING
- VD — MANUAL VOLUME DAMPER
- F. DPR — FIRE DAMPER
- BDD — BACK DRAFT DAMPER
- S. DPR, N — SMOKE DAMPER
- STAINLESS STEEL DUCT
- (A) — CONSTANT VOLUME TERMINAL UNIT WITH HEATING COIL. LETTER INDICATES SIZE.

HVAC EQUIPMENT AND DUCTWORK

- 2 1 — POINT OF CHANGE IN DUCT CONSTRUCTION BY STATIC PRESSURE CLASS. THE NUMBER ASSIGNS PRESSURE CLASS (IN. OF WATER) WHICH WILL ACCOMMODATE MAXIMUM OPERATING PRESSURE IN THE DUCT SUBSECTION. THE SYMBOL CONTINUES THE ASSIGNMENT UNTIL THE DUCT TERMINATES OR ANOTHER SYMBOL APPEARS. A "N" SUPERSCRIPT INDICATES NEGATIVE PRESSURE.
- 4 1 2 (A) — POINT OF CHANGE IN DUCT CONSTRUCTION BY STATIC PRESSURE CLASS. THE NUMBER ASSIGNS PRESSURE CLASS (IN. OF WATER) WHICH WILL ACCOMMODATE MAXIMUM OPERATING PRESSURE IN THE DUCT SUBSECTION. THE SYMBOL CONTINUES THE ASSIGNMENT UNTIL THE DUCT TERMINATES OR ANOTHER SYMBOL APPEARS. A "N" SUPERSCRIPT INDICATES NEGATIVE PRESSURE.
- MANUAL SPLITTER DAMPER
- 45° SUPPLY — STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
- 45° RETURN — STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)

PIPING

HPS	HIGH PRESSURE STEAM (60 PSIG AND ABOVE)
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG)
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM (15 PSIG AND BELOW)
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
CP	CONDENSATE PUMP DISCHARGE
HWS	HOT WATER HEATING SUPPLY
HWR	HOT WATER HEATING RETURN
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RHG	REFRIGERANT HOT GAS
CH	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
MW	MAKE-UP WATER
D	DRAIN LINE
A	COMPRESSED AIR
V	VACUUM
G	NATURAL GAS
I	WATER SUPPLY
II	WATER RETURN
F	FIRE SPRINKLER
N2	NITROGEN GAS
CO2	CARBON DIOXIDE GAS

GENERAL SYMBOLS

- DIRECTION OF PIPE PITCH (DOWN)
- ANCHOR
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- ORIFICE UNION
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- LIMIT OF DEMOLITION
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- WATER FLOW MEASURING DEVICE
- EXISTING PIPE TO BE REMOVED

PLUMBING PIPING

PLUMBING

SAN	SANITARY DRAIN ABOVE FLOOR OR GRADE
SAN	SANITARY DRAIN BELOW FLOOR OR GRADE
ST	STORM DRAIN ABOVE FLOOR OR GRADE
ST	STORM DRAIN BELOW FLOOR OR GRADE
CD	CONDENSATE DRAIN
	VENT
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
G	NATURAL GAS
ACID	ACID WASTE
V	VACUUM (AIR)
A	COMPRESSED AIR
DW	CHILLED DRINKING WATER
RD	ROOF DRAIN
OD	OVERFLOW ROOF DRAIN
F	FIRE SERVICE
LPG	LIQUIFIED PETROLEUM GAS
W	WATER SERVICE
AV	ACID VENT
DIR	DEOXIDIZED RETURN
DIS	DEOXIDIZED SUPPLY
TW	TEPID WATER
PTA	PROCESS AIR
PTR	PROCESS AIR
PTS	PROCESS AIR

VALVE SYMBOLS

- GATE VALVE
- GLOBE VALVE
- GATE VALVE WITH 3/4 " HOSE ADAPTER
- CHECK VALVE
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- BALANCING VALVE
- CIRCUIT SETTER
- STRAIGHT-THRU MODULATING CONTROL VALVE
- STRAIGHT-THRU TWO POSITION CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- AUTOMATIC FLOW CONTROL VALVE
- SAFETY OR PRESSURE RELIEF VALVE
- PRESSURE REDUCING VALVE
- MANUAL AIR VENT
- TEST PLUG (PRESSURE/TEMPERATURE)

PLAN NOTES

- N — INDICATES DIRECTION OF PLAN NORTH
- 1 / M1 — DETAIL REFERENCE – UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET NUMBER
- 1 — PLAN NOTE REFERENCE
- 100 — ROOM NUMBER REFERENCE
- TU 1 — EQUIPMENT CALLOUT

DRAWING SYMBOLS

- 2 / H4 — DETAIL NUMBER / DRAWING NUMBER WHERE DRAWN
- A / H7 — SECTION LETTER / DRAWING NUMBER WHERE SHOWN

GENERAL NOTES

1. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING.
2. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.
3. ACCESS PANELS IN HARD CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
4. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.
5. FOR TYPICAL STEAM, WATER AND REFRIGERANT PIPING CONNECTIONS TO EQUIPMENT SEE STANDARD EQUIPMENT DETAILS.
6. DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
7. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
8. WALL TYPE EXHAUST REGISTERS NOTED AS "BR" ON DRAWINGS ARE TO BE INSTALLED WITH BOTTOM ELEVATION OF REGISTER AT 7" [178mm] ABOVE FINISHED FLOOR.
9. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.

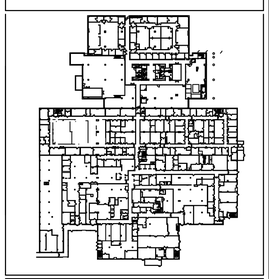
CONTROL SYMBOLS

- T H — ROOM CONTROL: THERMOSTAT. HUMIDISTAT
- T — REMOTE BULB THERMOSTAT
- T — DUCT OR PIPE THERMOSTAT WITH AVERAGING ELEMENT. PROVIDE 12" MIN. LENGTH IN DUCT WHEN SPACE PERMITS.
- T — DUCT THERMOSTAT WITH AVERAGING ELEMENT
- T H — ROOM SENSOR: TEMPERATURE, HUMIDITY
- T — DUCT OR PIPE TEMPERATURE SENSOR. PROVIDE 12" MIN. LENGTH IN DUCT WHEN SPACE PERMITS.
- H — DUCT HUMIDITY SENSOR
- DP — DUCT DEW POINT SENSOR
- SP — DUCT STATIC PRESSURE SENSOR
- T — DUCT TEMPERATURE SENSOR WITH AVERAGING ELEMENT
- F S — SMOKE DETECTOR (SEE ELECTRICAL SPECIFICATIONS)
- TEMPERATURE SENSING ELEMENT FOR TRANSMITTING TEMPERATURE TO INDICATOR ON LTCP. (PROVIDE 12 INCHES MINIMUM LENGTH IN DUCT WHEN SPACE PERMITS.)
- A — SENSOR WITH AVERAGING ELEMENT TO TRANSMIT TEMPERATURE TO LTCP
- M — CONTROL AIR MAIN
- EP — ELECTRO-PNEUMATIC (EP) SWITCH
- C — HOLDING COIL IN MOTOR STARTER
- R2 — RELAY COIL
- R2-A — CONTACT, NORMALLY OPEN (N.O.)
- R2-B — CONTACT, NORMALLY CLOSED (N.C.)
- SWITCH
- R — PILOT LIGHT (RED)
- H1 N — CONTROL CIRCUIT CONNECTION

ABBREVIATIONS

(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS.)

AD	ACCESS DOOR
AF	AFTER FILTER
AFCE	AIR FLOW CONTROL VALVE
AFM	AIR FLOW MEASURING DEVICE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
BG	BOTTOM GRILLE (WALL TYPE)
BR	BOTTOM REGISTER (WALL TYPE)
CCF	CENTRIFUGAL CEILING FAN
CD	CEILING DIFFUSER
CG	CEILING GRILLE
CO	CLEAN OUT
CP	CONDENSATE PUMP
CR	CEILING REGISTER
CU	CONDENSING UNIT
CW	COLD WATER
D	AUTOMATIC DAMPER
Db	DRY BULB TEMPERATURE
dB	DECIBELS
DD	DISCHARGE DAMPERS
Dp	DEWPOINT TEMPERATURE
DX	DIRECT EXPANSION
E/A	EXHAUST AIR
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EMD	END OF MAIN DRIP (STEAM)
EX.	EXISTING
FC	FLEXIBLE CONNECTION
FCU	FORWARD CURVED FAN
FLR.	FLOOR
F.DPR.	FIRE DAMPER
FS	FACTORY FABRICATED FAN SECTION
HD	HOOD
HF	HEPA FILTER
HP	HORSEPOWER
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HV	HEATING AND VENTILATING UNIT
ILCD	LINEAR CEILING DIFFUSER
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LBS/HR	POUNDS PER HOUR
MER	MECHANICAL ROOM
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MAX.	MAXIMUM
MIN.	MINIMUM
NOM.	NOMINAL
O/A	OUTDOOR AIR
P	PUMP
PC	PUMPED CONDENSATE
PD	PRESSURE DROP
PF	PRE-FILTER
PFW	PUMPED FEED WATER
PGW	PROPYLENE GLYCOL-WATER SOLUTION
PH	PREHEAT
POD	POWER OPERATED, OPPOSED BLADE DAMPER
PPD	POWER OPERATED, PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
R/A	RETURN AIR
RF	RETURN FAN
Rh	RELATIVE HUMIDITY
S/A	SUPPLY AIR
SA	SOUND ATTENUATING UNIT
SCD	SMOKE CONTROL DAMPER
SD.	SMOKE DAMPER
Sp. Gr.	SPECIFIC GRAVITY
SP	STATIC PRESSURE
SPS	STATIC PRESSURE SENSOR
TG	TOP GRILLE (WALL TYPE)
TR	TOP REGISTER (WALL TYPE)
V	VALVE
VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VFD	VARIABLE FREQUENCY DRIVE
V1	VIBRATION ISOLATOR
VP	VACUUM PUMP
VR	VACUUM STEAM CONDENSATE RETURN
VSMC	VARIABLE SPEED MOTOR CONTROLLER
Wb	WET BULB TEMPERATURE
WEF	WALL TYPE EXHAUST FAN
WF	WATER FILTER
WFMD	WATER FLOW MEASURING DEVICE



BIDDING DOCUMENTS

Revisions	Date

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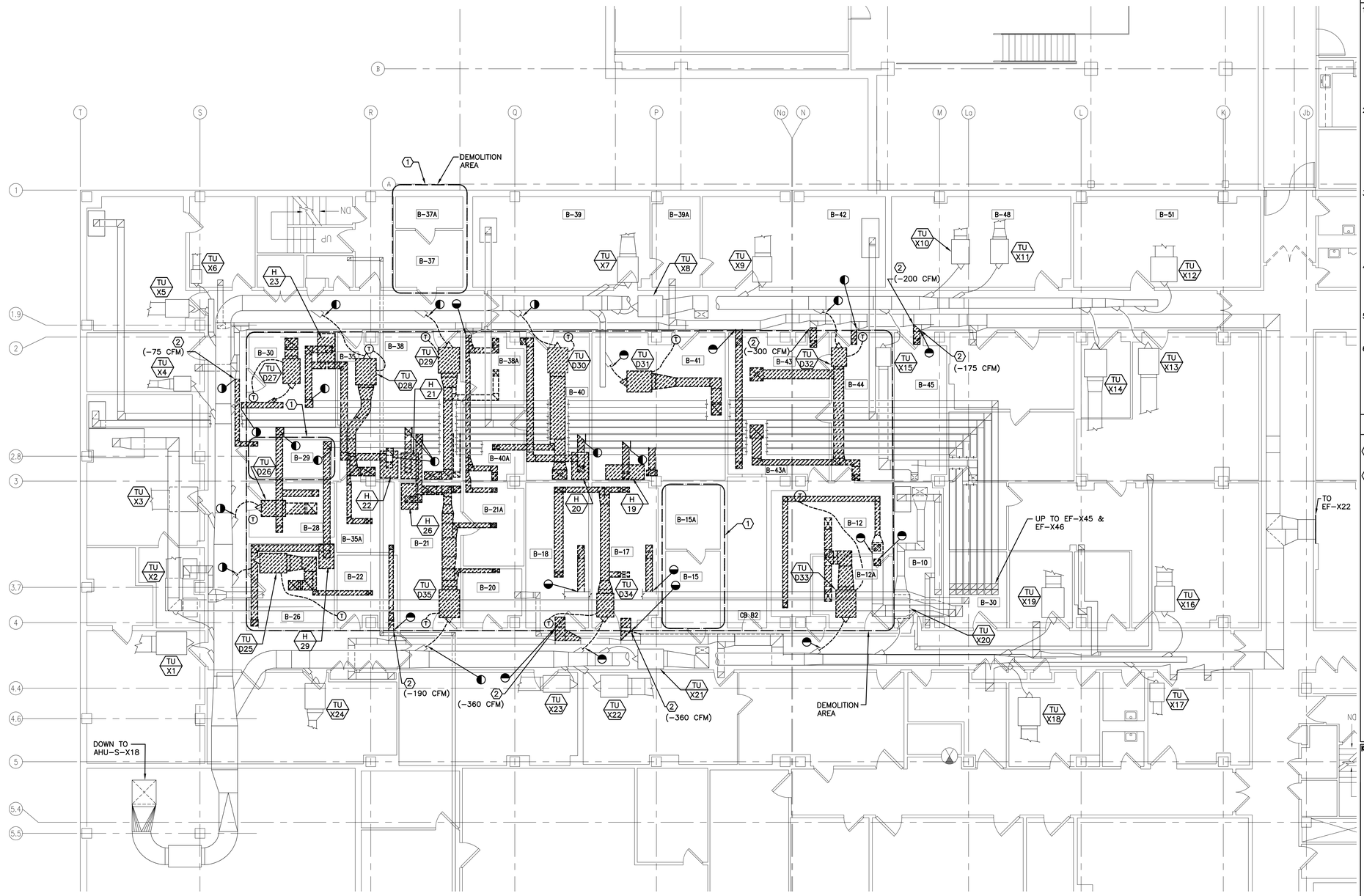
Drawing Title	MECHANICAL SYMBOL LEGEND
Project Title	RENOVATE RESEARCH - SECTION B LAB VA MEMORIAL HOSPITAL
Project Number	589A4-07-109
Building Number	
Approved Project Director	
Location	COLUMBIA, MO
Date	MARCH 04, 2009
Checked	SJD
Drawn	SRK
Drawing Number	M0.0
Dwg. of	

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



HVAC DUCTWORK DEMOLITION PLAN

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

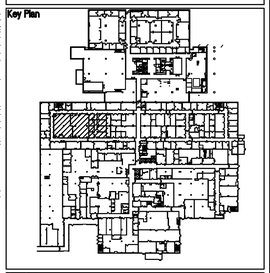
GENERAL NOTES:

1. PRIOR TO START OF DEMOLITION WORK TEST AND BALANCE CONTRACTOR TO MEASURE SUPPLY AIRFLOW FROM AHU-S-X18 TERMINAL UNITS. VERIFY AHU-S-X18 SUPPLY FAN AIRFLOW. INFORM GC AND OWNER IF AIRFLOW IS NOT WITHIN ACCEPTABLE LIMITS (+/-10% OF LISTED AIRFLOW). REFER TO M2.0 FOR EXISTING AIRFLOW VALUES. PROVIDE WRITTEN REPORT TO ENGINEER PRIOR TO COMMENCE OF NEW WORK.
2. PRIOR TO START OF DEMOLITION WORK TEST AND BALANCE CONTRACTOR TO MEASURE EXHAUST AIRFLOW FROM LABORATORY FUME HOODS SCHEDULED FOR REMOVAL. EACH EXHAUST HOOD EXISTING EXHAUST AIRFLOW IS 700 CFM (TOTAL EXHAUST IS 4200 CFM). PROVIDE WRITTEN REPORT TO ENGINEER PRIOR TO COMMENCE OF NEW WORK.
3. DISCONNECT AND REMOVE EXISTING CONSTANT VOLUME TERMINAL UNIT LOCATED IN DEMOLITION AREA. REMOVE ASSOCIATED SUPPORTS, DIFFUSERS, DUCTWORK, CONTROL WIRING, TUBING, AND THERMOSTAT. REMOVE DUCTWORK BACK TO MAIN. DO NOT ABANDON DUCT OR THERMOSTAT WIRING IN PLACE.
4. DISCONNECT AND REMOVE EXISTING LABORATORY FUME HOOD LOCATED IN DEMOLITION AREA. REMOVE ASSOCIATED CONTROLS, STAINLESS STEEL DUCT, SUPPORTS, AND GRILLES.
5. DISCONNECT AND REMOVE WALL MOUNTED EXHAUST GRILLES. REMOVE VERTICAL EXHAUST DUCTWORK DROPS INTO ROOMS.
6. CLEAN EXISTING GENERAL EXHAUST AND LAB EXHAUST DUCTWORK. CLEANING IS TO BE LIMITED TO DUCTWORK LOCATED IN AND SERVING CONSTRUCTION WORK AREA ONLY. PROVIDE ACCESSIBLE, PERMANENT DUCT MOUNTED ACCESS DOORS TO FACILITATE FUTURE DUCT CLEANING.

KEY NOTES:

1. WALK IN COOLER IS SCHEDULED TO BE REMOVED.
2. PRIOR TO START OF DEMOLITION WORK, TEST AND BALANCE CONTRACTOR TO MEASURE GENERAL EXHAUST AIRFLOW AND CONFIRM FLOW RATE. PROVIDE WRITTEN REPORT TO ENGINEER PRIOR TO COMMENCE OF NEW WORK.

Key Plan



Bar Scale

N

0 4' 8' 16'

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

BIDDING DOCUMENTS

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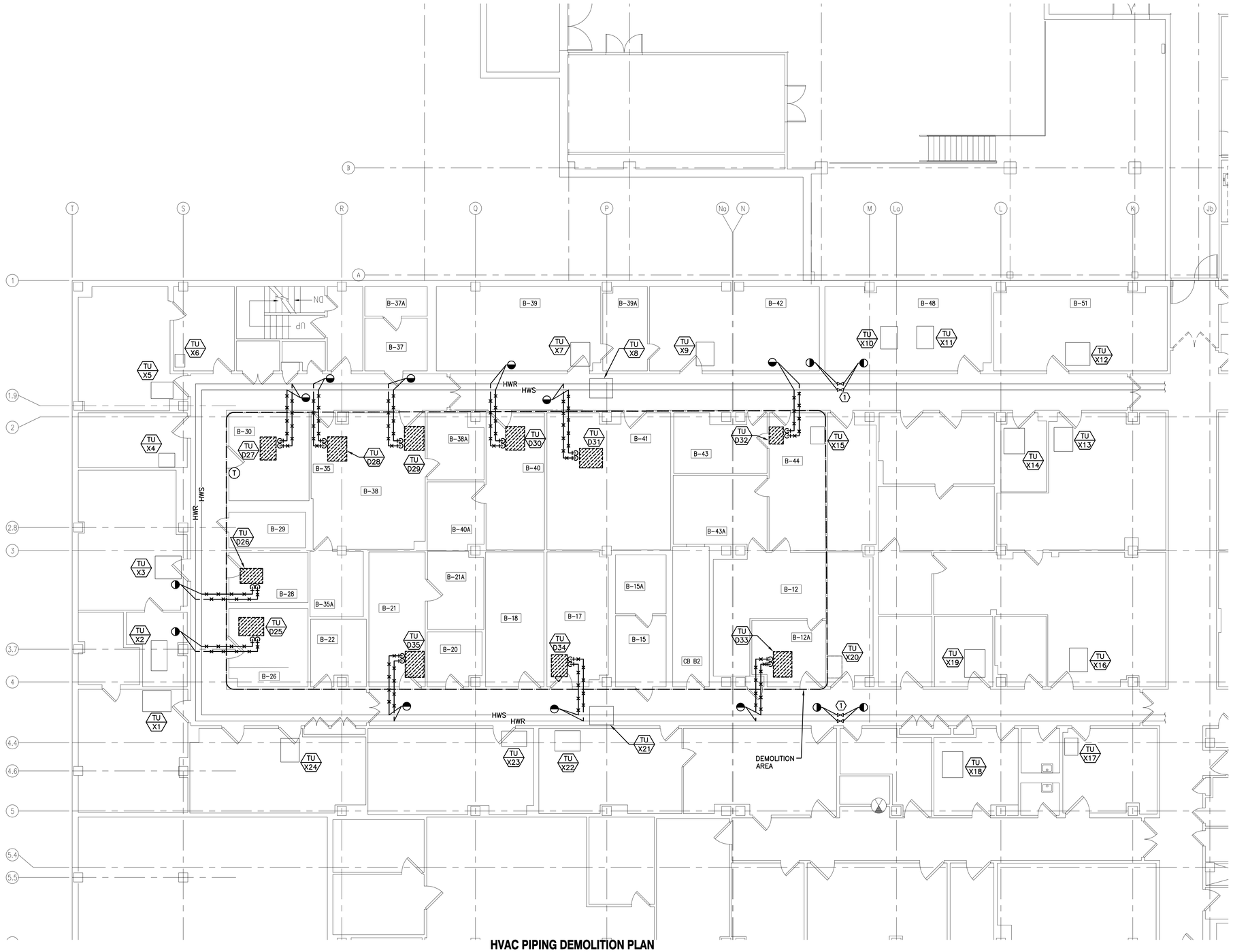
Drawing Title	HVAC DUCTWORK DEMOLITION PLAN
Approved Project Director	
Project Title	RENOVATE RESEARCH - SECTION B LAB VA MEMORIAL HOSPITAL
Location	COLUMBIA, MO
Date	MARCH 04, 2009
Checked	SJD
Drawn	SRK
Project Number	589A4-07-109
Building Number	
Drawing Number	M0.1
Dwg. of	

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



HVAC PIPING DEMOLITION PLAN

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

BIDDING DOCUMENTS

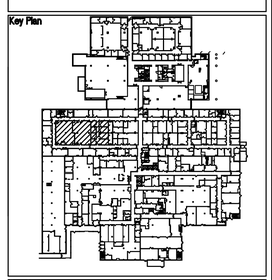
GENERAL NOTES:

1. PRIOR TO START OF DEMOLITION WORK TEST AND BALANCE CONTRACTOR TO MEASURE AHU-S-X18 TERMINAL UNITS HEATING HOT WATER FLOW. INFORM GC AND OWNER IF WATER FLOW IS NOT WITHIN ACCEPTABLE LIMITS (+/-10% OF LISTED WATER FLOW). REFER TO M2.0 FOR EXISTING WATER FLOW VALUES. PROVIDE WRITTEN REPORT TO ENGINEER PRIOR TO COMMENCE OF NEW WORK.
2. PIPING SHOWN IS SCHEMATIC. SITE CONDITIONS MAY BE SLIGHTLY DIFFERENT. CONTRACTOR TO REMOVE HEATING HOT WATER PIPING BACK TO MAIN. REMOVE ASSOCIATED SUPPORTS, HANGERS AND ACCESSORIES. COORDINATING ALL SHUTDOWNS WITH OWNER.

KEY NOTES:

1. PROVIDE SHUTDOWN VALVES IN MAIN HEATING HOT WATER PIPING TO FACILITATE DEMOLITION WORK AT BRANCH LINES. VALVE SIZE SHALL BE SAME AS PIPING SIZE.

Key Plan



Bar Scale

N

0 4' 8' 16'

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

Revisions	Date

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Drawing Title	HVAC PIPING DEMOLITION PLAN
Approved Project Director	
Project Title	RENOVATE RESEARCH - SECTION B LAB VA MEMORIAL HOSPITAL
Location	COLUMBIA, MO
Date	MARCH 04, 2009
Checked	GFE
Drawn	SRK
Project Number	589A4-07-109
Building Number	
Drawing Number	M0.2
Dwg. of	

Office of Facilities Management

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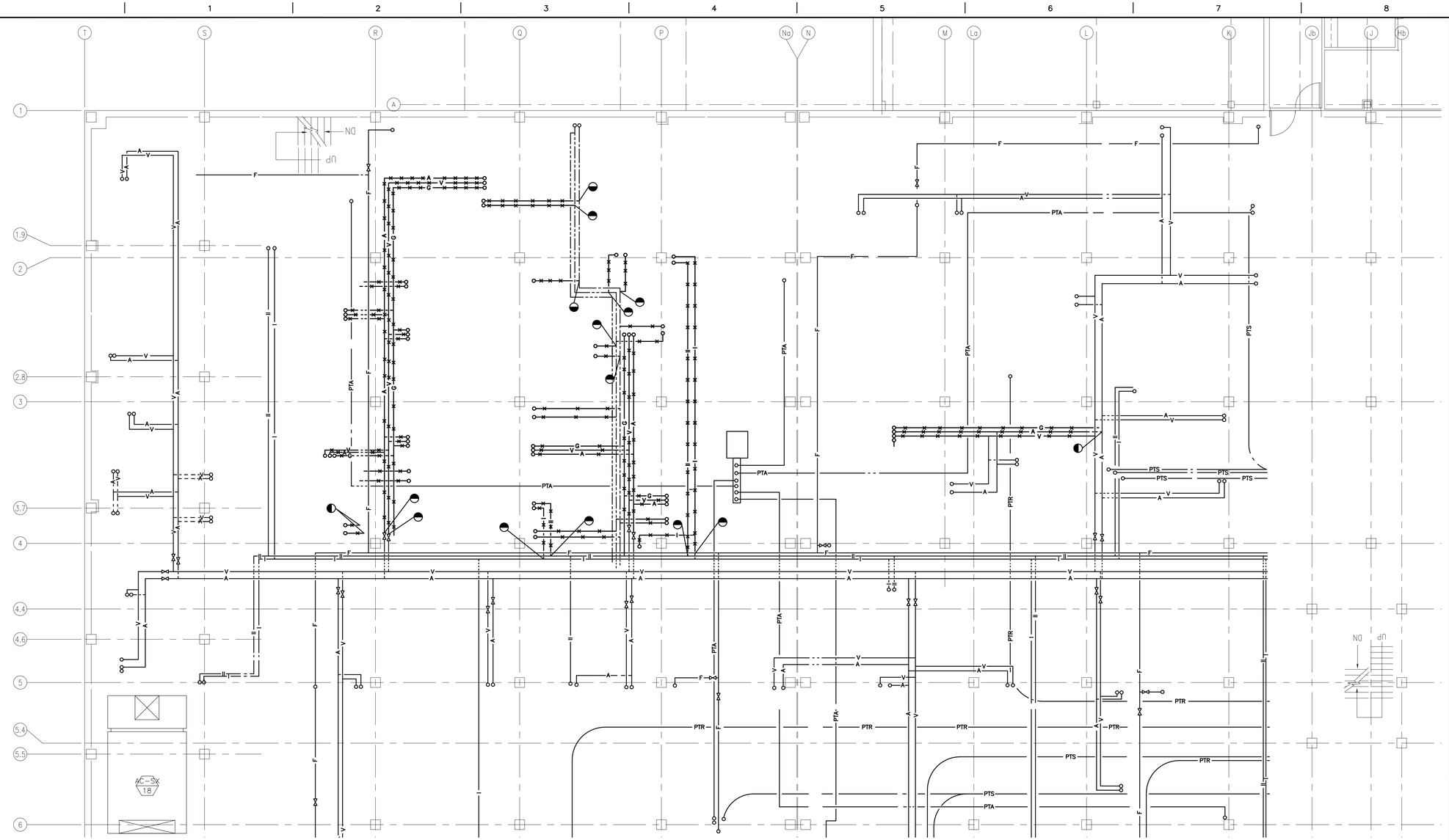
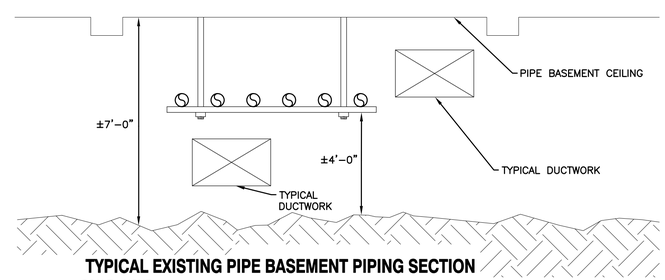
VA FORM 08-6231, OCT 1978



PIPE BASEMENT PROCESS PIPING DEMOLITION PLAN

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



TYPICAL EXISTING PIPE BASEMENT PIPING SECTION

SCALE: NONE

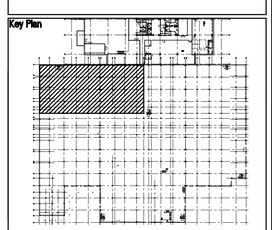
GENERAL NOTES:

1. PROCESS PIPING SERVING LAB ABOVE IS LOCATED IN PIPE BASEMENT. REMOVE PIPING AND ALL ASSOCIATED CONTROLS AND SUPPORTS. DO NOT DISTURB PIPING SERVING ADJACENT SPACES ABOVE. COORDINATE ALL SHUTDOWNS. REMOVE PIPING DO NOT ABANDON IN PLACE.
2. PIPING SHOWN IS SCHEMATIC. SITE CONDITIONS MAY BE SLIGHTLY DIFFERENT. CONTRACTOR TO REMOVE PIPING BACK TO MAIN. REMOVE ASSOCIATED SUPPORTS, HANGERS AND ACCESSORIES. COORDINATION ALL SHUTDOWNS WITH OWNER.

PLUMBING PIPING

— SAN —	SANITARY DRAIN ABOVE FLOOR OR GRADE
— SAN —	SANITARY DRAIN BELOW FLOOR OR GRADE
— ST —	STORM DRAIN ABOVE FLOOR OR GRADE
— ST —	STORM DRAIN BELOW FLOOR OR GRADE
— CD —	CONDENSATE DRAIN
— — — —	VENT
— - —	DOMESTIC COLD WATER
— - - —	DOMESTIC HOT WATER
— - - - —	DOMESTIC HOT WATER RETURN
G — G —	NATURAL GAS
— ACID —	ACID WASTE
— VAC —	VACUUM (AIR)
— A —	COMPRESSED AIR
— DW —	CHILLED DRINKING WATER
— RD —	ROOF DRAIN
— OD —	OVERFLOW ROOF DRAIN
— F —	FIRE SERVICE
— LPG —	LIQUIFIED PETROLEUM GAS
— W —	WATER SERVICE
— AV —	ACID VENT
— DIR —	DEOXIDIZED RETURN
— DIS —	DEOXIDIZED SUPPLY
— TW —	TEPID WATER

Key Plan



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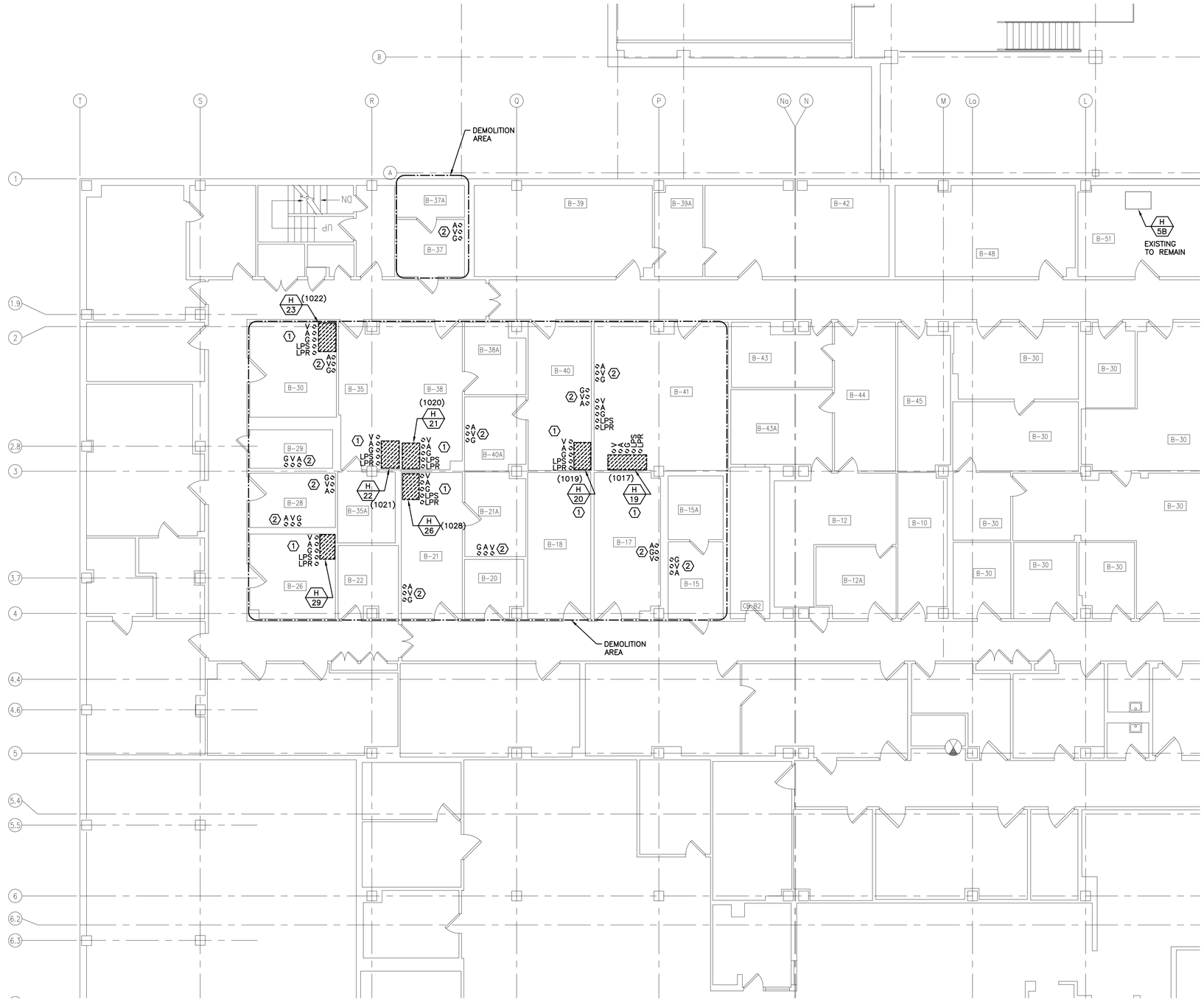
Drawing Title: PIPE BASEMENT PROCESS PIPING DEMOLITION PLAN	Project Title: RENOVATE RESEARCH - SECTION B LAB VA MEMORIAL HOSPITAL	Project Number: 589A4-07-109	Office of Facilities Management
Approved Project Director	Location: COLUMBIA, MO	Building Number	
	Date: MARCH 04, 2009 / Checked / Drawn: SRK	Drawing Number: M0.3	Department of Veterans Affairs
		Dwg. of	

VA FORM 08-6231, OCT 1978



PIPING DEMOLITION PLAN

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

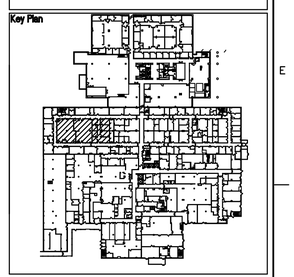
GENERAL NOTES:

1. PIPING SHOWN IS SCHEMATIC. SITE CONDITION MAY BE SLIGHTLY DIFFERENT. CONTRACTOR TO REMOVE PIPING BACK TO MAIN. REMOVE ASSOCIATED SUPPORTS, HANGERS AND ACCESSORIES.
2. GENERAL CONTRACTOR TO REMOVE HOOD AND ASSOCIATED UTILITIES SERVING THOSE EQUIPMENT. REFER TO P0.1 FOR ADDITIONAL WORK REQUIRED.

KEY NOTES:

1. DISCONNECT AND REMOVE UTILITY CONNECTIONS TO LABORATORY FUME HOOD. REMOVE PIPING, SUPPORTS, AND ASSOCIATED ACCESSORIES. REMOVE PIPING BACK TO MAIN LOCATED IN PIPING BASEMENT BELOW.
2. DISCONNECT AND REMOVE PROCESS GASES PIPING. REMOVE TURRET UTILITY COCKS, PIPING, PIPING SUPPORTS, AND ACCESSORIES. REMOVE PIPING BACK TO MAIN LOCATED IN PIPING BASEMENT BELOW. COORDINATE SHUTDOWNS WITH OWNER.

Key Plan



Bar Scale

N

0 4' 8' 16'

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

BIDDING DOCUMENTS

Revisions	Date

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Drawing Title	PIPING DEMOLITION PLAN
Approved Project Director	
Project Title	RENOVATE RESEARCH - SECTION B LAB VA MEMORIAL HOSPITAL
Building Number	
Location	COLUMBIA, MO
Date	MARCH 04, 2009
Checked	GFE
Drawn	SRK
Project Number	589A4-07-109
Drawing Number	M0.4
Dwg. of	

Office of Facilities Management

Department of Veterans Affairs

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