

Midwest Engineering & Design
3100 Brown Station Rd, Suite C
Columbia, MO, 65202
(573) 875-0045 Phone
(573) 875-0046 FAX
WWW.MOENGINEERING.COM
Midwest Engineering & Design
Missouri State Certificate of Authority #2010032467

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI DEPARTMENT
OF CORRECTIONS

ABATE AND REPLACE
PIPING VARIOUS

MOBERLY CORRECTIONAL
CENTER
5201 S. MORLEY STREET
MOBERLY, MO

PROJECT # C1601-01
SITE # 2305
FACILITY # 27250/27265

REVISION: _____
DATE: _____
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DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 11/06/2017

CAD DWG FILE: MCC m demo.dwg
DRAWN BY: CJH/MDS/JDK
CHECKED BY: JLD
DESIGNED BY: CJH

SHEET TITLE:
**ADMIN. BLDG. CRAWL
SPACE HVAC PIPING
DEMOLITION PLAN**

SHEET NUMBER:

M-101

12 OF 30 SHEETS

SPECIFIC ASBESTOS ABATEMENT DEMOLITION NOTES

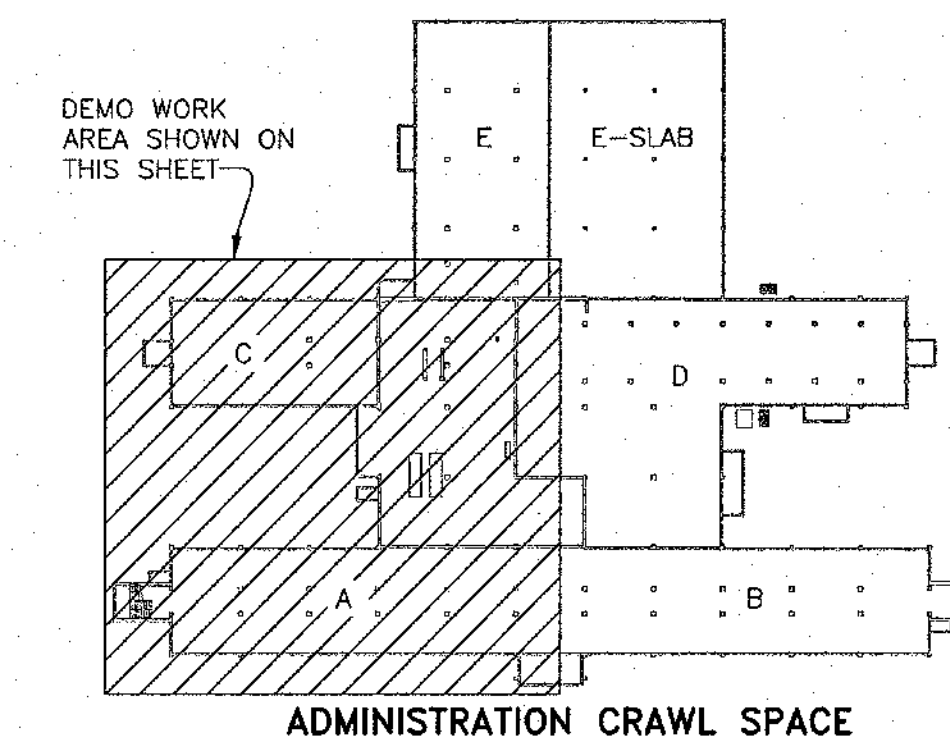
- 1 ZONE 4 WORK. DEMO EXISTING VTS & VTR PIPING AND ASSOCIATED ASBESTOS INSULATION ON PIPING AND HANGERS ROUTED IN BASEMENT CRAWLSPACE.
- 2 ZONE 4 WORK. DEMO EXISTING DTS & DTR PIPING AND ASSOCIATED ASBESTOS INSULATION ON PIPING AND HANGERS ROUTED IN BASEMENT CRAWLSPACE.
- 3 ZONE 1 WORK. BRANCH PIPING SERVING THE INFIRMARY. DEMO EXISTING HWS & HWR PIPING AND ASSOCIATED ASBESTOS INSULATION ON PIPING AND HANGERS ROUTED IN BASEMENT CRAWLSPACE.
- 4 EXISTING CONDENSATE DRIP LINE TO REMAIN IN OPERATION. TYPICAL FOR ALL EXISTING FCU'S.
- 5 ZONE 1 WORK. DEMO EXISTING HWS & HWR AND ASSOCIATED ASBESTOS INSULATION ON PIPING AND HANGERS BACK TO APPROXIMATELY THIS LOCATION INSIDE MECHANICAL ROOM.
- 6 ZONE 4 & 5 WORK. DEMO EXISTING PIPING AND ASSOCIATED ASBESTOS INSULATION BACK TO APPROXIMATELY THIS LOCATION, 3' INSIDE MECHANICAL ROOM.
- 7 ZONE 3 WORK. BRANCH OF HEATING PIPING SERVES AREA E. DEMO EXISTING 3" HWS & 2 1/2" VTR PIPING BACK TO APPROXIMATELY THIS LOCATION, 3' JUST INSIDE MECHANICAL ROOM. CAP VTR PIPING AT VALVE.
- 8 ZONE 2 WORK. HWR ALSO SERVES AREA D. DEMO EXISTING 3" HWR & 2" DTR PIPING AND ASSOCIATED ASBESTOS INSULATION BACK TO APPROXIMATELY THIS LOCATION, 3' JUST INSIDE MECHANICAL ROOM.
- 9 ZONE 2 WORK. DEMO EXISTING 2-1/2" DTS & DTR PIPING ROUTED UP THRU CHASE TO 1ST & 2ND FLOORS BACK TO APPROXIMATELY THIS LOCATION, 3' INSIDE MECHANICAL ROOM. PIPING HAS EPDM INSULATION.
- 10 ZONE 3 WORK. SERVES THE 2ND FLOOR D AREA. DEMO EXISTING 2" VTS PIPING AND ASSOCIATED ASBESTOS INSULATION ROUTED UP THRU MECHANICAL CLOSET. PROVIDE CAP AT PIPING TAKEOFF.
- 11 ZONE 3 WORK. DEMO EXISTING 2" VTS PIPING ROUTED UP THRU CHASE BACK TO APPROXIMATELY THIS LOCATION, JUST INSIDE MECHANICAL ROOM. CONTRACTOR MAY ABANDON PIPING IN CHASE. COVER BOTTOM OF CHASE AND SEAL. LABEL CHASE AS IT CONTAINS ASBESTOS. CAP 2" VTS.
- 12 ZONE 3 WORK. PIPING & EQUIPMENT WAS NOT OBSERVED DURING FIELD OBSERVATION. IF HWS & HWR & R PIPING EXIST, DEMO AS REQUIRED.
- 13 ZONE 5 WORK. DEMO EXISTING VTS & VTR PIPING AND ASSOCIATED ASBESTOS INSULATION ON PIPING AND HANGERS ROUTED IN BASEMENT CRAWLSPACE.
- 14 ZONE 5 WORK. DEMO VTS PIPING BACK TO THIS LOCATION, JUST PAST EXISTING REPAIR SLEEVE.
- 15 ZONE 4 WORK. DEMO DTS BACK TO VALVE AND CAP.
- 16 ZONE 5 WORK. HWS & HWR PIPING IS NOT USED IN OCCUPIED SPACES AT THIS TIME. DEMO AS SHOWN.
- 17 ZONE 2 WORK. DEMO DTS BACK TO VALVE.
- 18 ZONE 4 WORK DTS & DTR PIPING SERVE AHUs ON 1ST FLOOR AREA B. DEMO PIPING AS SHOWN.

SPECIFIC MECHANICAL DEMOLITION NOTES

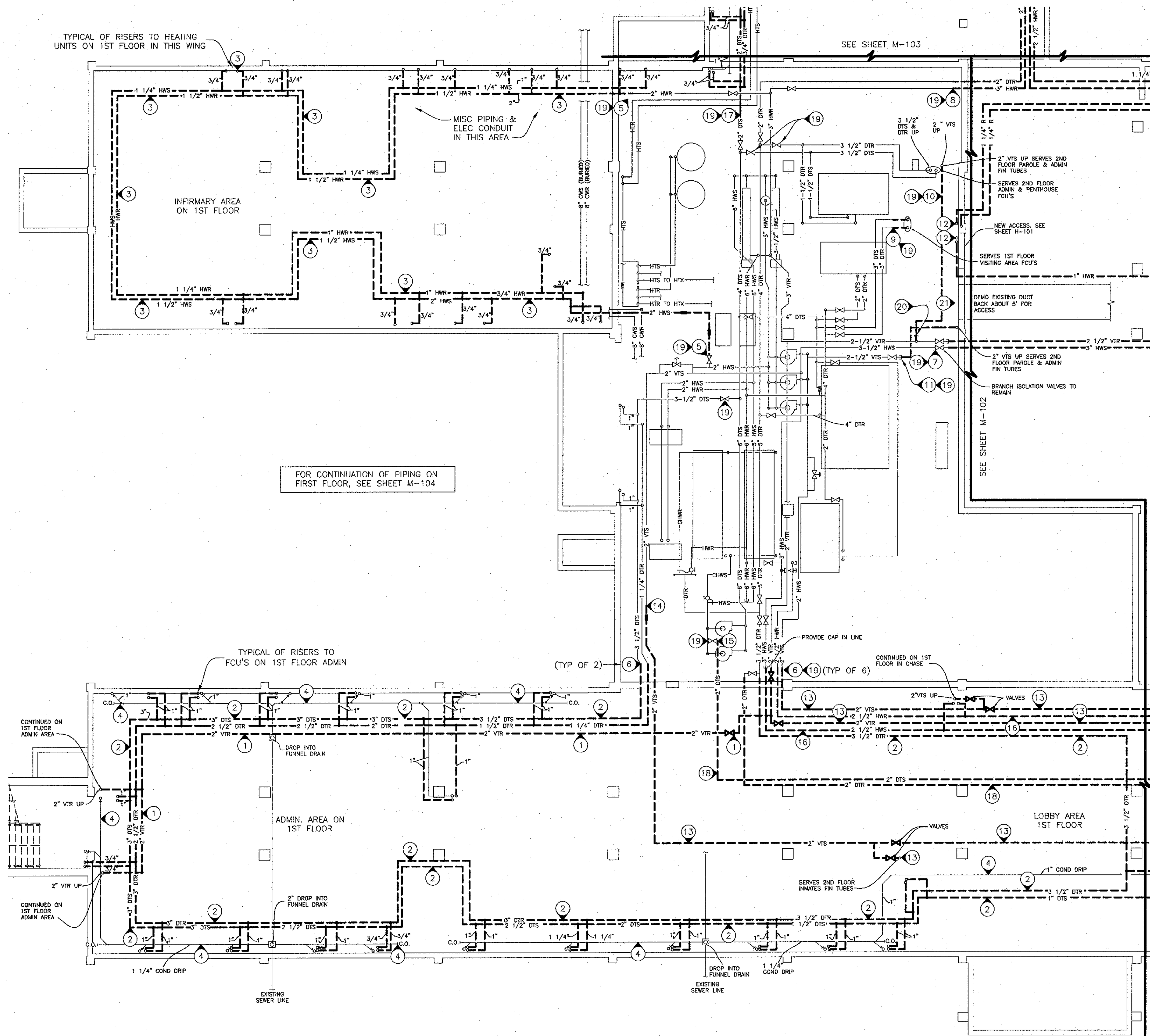
- 19 VERIFY WORKING CONDITION OF ASSOCIATED BRANCH ISOLATION VALVES. REPLACE ANY NON-WORKING VALVES WITH NEW DURING THE ABATEMENT PHASE. COORDINATE WITH ABATEMENT CONTRACTOR.
- 20 DEMO PIPING TO THIS CONNECTION AND CAP.
- 21 DEMO EXISTING RETURN DUCT TO GAIN INITIAL ACCESS TO CRAWL SPACE. ONCE NEW ACCESS HAS BEEN CUT CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING RETURN DUCT. REPLACE DAMAGED SECTIONS AND CLEAN INSIDE OF DUCT AS REQUIRED.

LEGEND

HWS	---	EXISTING HOT WATER SUPPLY PIPE--REUSE
HWS	- - - -	EXISTING HOT WATER SUPPLY PIPE--REMOVE
HWR	---	EXISTING HOT WATER RETURN PIPE--REUSE
HWR	- - - -	EXISTING HOT WATER RETURN PIPE--REMOVE
DTS	---	EXISTING DUAL TEMP SUPPLY PIPE--REUSE
DTS	- - - -	EXISTING DUAL TEMP SUPPLY PIPE--REMOVE
DTR	---	EXISTING DUAL TEMP RETURN PIPE--REUSE
DTR	- - - -	EXISTING DUAL TEMP RETURN PIPE--REMOVE
CTS	---	EXISTING COOLING TOWER SUPPLY
CTR	---	EXISTING COOLING TOWER RETURN
VTR	---	EXISTING VARIABLE TEMP RETURN PIPE--REUSE
VTR	- - - -	EXISTING VARIABLE TEMP RETURN PIPE--REMOVE
VTS	---	EXISTING VARIABLE TEMP SUPPLY PIPE--REUSE
VTS	- - - -	EXISTING VARIABLE TEMP SUPPLY PIPE--REMOVE
CHWR	---	EXISTING CHILLER WATER RETURN
CHWS	---	EXISTING CHILLER WATER SUPPLY
COND DRIP	---	EXISTING FCU CONDENSATE LINE--REUSE
FCU	□	FAN COIL UNIT
HU	□	HEATING UNIT
∇	∇	EXISTING VALVE
∇	∇	EXISTING CONTROL VALVE
○	○	EXISTING ELBOW UP
○	○	EXISTING ELBOW DOWN
⊕	⊕	EXISTING TEE DOWN
⊕	⊕	EXISTING TEE UP
●	●	TIE NEW TO EXISTING HERE



2 KEY PLAN
SCALE: NONE



1 PARTIAL CRAWL SPACE HVAC PIPING DEMOLITION PLAN
SCALE: 1/8"=1' 0"