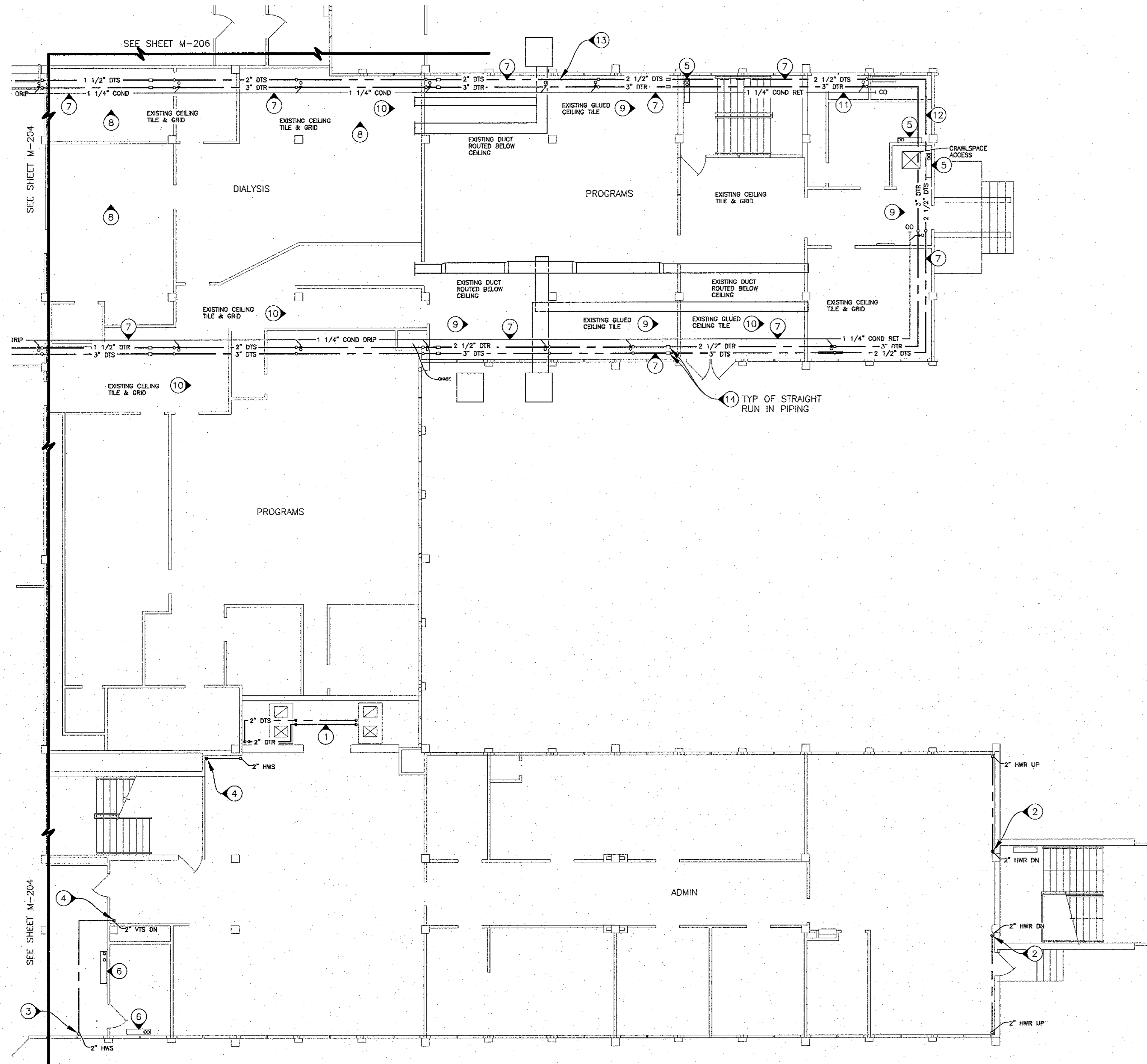
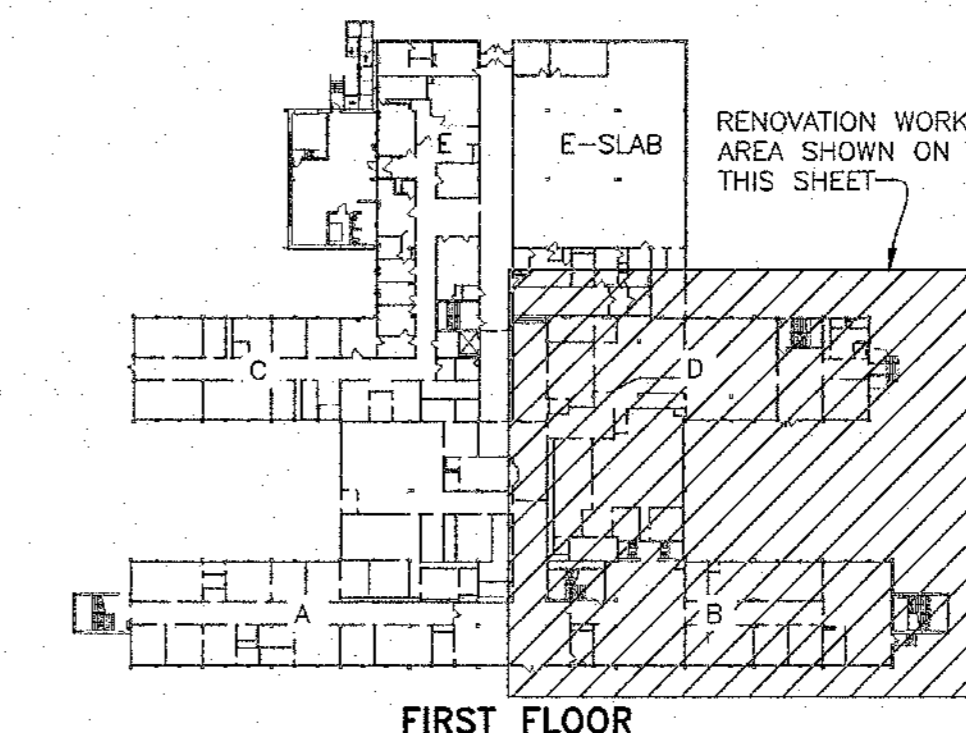


SPECIFIC MECHANICAL CONSTRUCTION NOTES

- ① ZONE 4 WORK. PROVIDE NEW DTS & DTR PIPING ROUTED FROM THE BASEMENT CRAWLSPACE TO BOTH AHU'S. REUSE EXISTING CONTROL VALVES. REPLACE ANY LEAKING ISOLATION VALVES AT UNIT IF REQUIRED. SEE UNIT CONNECTION DETAIL 5, SHEET M-502.
- ② ZONE 4 WORK. ROUTE NEW HWR PIPE FROM BASEMENT CRAWLSPACE, ABOVE CEILING TO 2ND FLOOR. VERTICAL ROUTING TO BE OUTSIDE OF CINDER BLOCK CHASE.
- ③ ZONE 5 WORK. ROUTE HWS PIPING ABOVE CEILING UP THRU EXISTING FLOOR PENETRATION TO 2ND FLOOR FIN TUBE HEATERS.
- ④ ZONE 5 WORK. ROUTE NEW HWS PIPING FROM BASEMENT OUTSIDE EXISTING CHASES.
- ⑤ ZONE 3 WORK. EXISTING LOCATION OF HEATING UNITS. CONNECT NEW PIPING FROM BASEMENT CRAWLSPACE TO EXISTING UNITS. REFER TO CONNECTION DETAIL 1, SHEET M-501.
- ⑥ ZONE 5 WORK. EXISTING LOCATION OF FCU'S. CONNECT NEW PIPING FROM BASEMENT CRAWLSPACE TO EXISTING UNITS. REFER TO CONNECTION DETAIL 1, SHEET M-501.
- ⑦ ZONE 3 WORK. ROUTE NEW DTS, DTR & COND. PIPING ABOVE CEILING TILE. COORDINATE FCU LOCATIONS ON 2ND FLOOR AND ASSOCIATED NEW FLOOR PENETRATIONS PRIOR TO ROUTING PIPING. REMOVAL AND REINSTALLATION OF A SECTION OF CEILING TILE NEXT TO EXTERIOR WALLS WILL BE REQUIRED. EXISTING DUCT IS ROUTED BELOW CEILING AS INDICATED. PROVIDE NEW FLOOR PENETRATIONS. INSULATE NEW PIPING.
- ⑧ ZONE 3 WORK. COORDINATE WORK IN DIALYSIS WITH FACILITIES PERSONNEL 1 WEEK PRIOR TO START OF WORK.
- ⑨ ZONE 3 WORK. REMOVE SECTION OF GLUED CEILING TILE. REPLACE WITH NEW CEILING TILE AND GRID. REINSTALL CEILING TO MATCH EXISTING.
- ⑩ ZONE 3 WORK. REMOVE AREA OF EXISTING CEILING TILE AND GRID TO ROUTE PIPING AND REINSTALL AFTER COMPLETION.
- ⑪ ZONE 3 WORK. ROUTE PIPING AS CLOSE TO CEILING AS REASONABLY POSSIBLE AND SECURE TO HARD CEILING.
- ⑫ REMOVE SECTION OF CEILING TILE AND GRID TO ROUTE PIPING AND REINSTALL AT COMPLETION OF WORK. ABOVE DROP IN CEILING TILE, ROUTE PIPING UNDER EXISTING GLUED CEILING TILE. DEMO AREA OF TILE AS REQUIRED FOR FLOOR PENETRATION.
- ⑬ PIPING MAY CHANGE ELEVATION AT THIS LOCATION.
- ⑭ PROVIDE 2" SPRING EXPANSION FITTINGS IN STRAIGHT RUN OF PIPES AS SHOWN.
15. PIPING INSULATION TO BE A THERMAL INSULATING PAINT AND SHALL BE COMPLETED BY DEPARTMENT OF CORRECTIONS. PIPING SHALL BE INSULATED PRIOR TO INSTALLATION. FITTINGS AND CONNECTIONS SHALL BE INSULATED AFTER WORK IS COMPLETED. CONTRACTOR SHALL COORDINATE WITH DOC PERSONNEL REGARDING DELIVERY AND INSULATING PIPE PRIOR TO INSTALLATION.



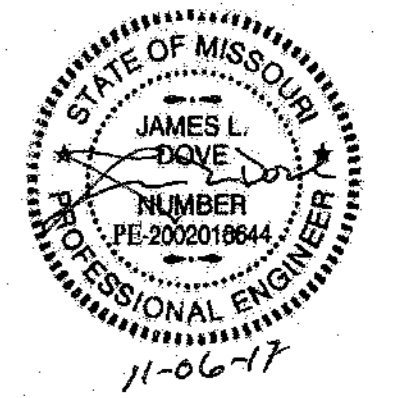
LEGEND	
HWS	NEW HOT WATER SUPPLY PIPE
HWR	NEW HOT WATER RETURN PIPE
HWS	EXISTING HOT WATER SUPPLY PIPE
HWR	EXISTING HOT WATER RETURN PIPE
DTS	NEW DUAL TEMP SUPPLY PIPE
DTR	NEW DUAL TEMP RETURN PIPE
DTS	EXISTING DUAL TEMP SUPPLY PIPE
DTR	EXISTING DUAL TEMP RETURN PIPE
CTS	EXISTING COOLING TOWER SUPPLY
CTR	EXISTING COOLING TOWER RETURN
COND DRIP	EXISTING CONDENSATE LINE
	NEW BALL VALVE
	EXISTING VALVE
	NEW GATE VALVE
	EXISTING GATE VALVE
	EXISTING CONTROL VALVE
	NEW ELBOW UP
	EXISTING ELBOW UP
	NEW ELBOW DOWN
	EXISTING ELBOW DOWN
	NEW TEE DOWN
	EXISTING TEE DOWN
	NEW TEE UP
	EXISTING TEE UP
	TIE NEW TO EXISTING HERE



1 PARTIAL FIRST FLOOR HVAC PIPING RENOVATION PLAN SCALE: 1/8"=1'-0"

2 KEY PLAN SCALE: NONE

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

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

SHEET TITLE:
ADMIN. BLDG. FIRST
FLOOR HVAC PIPING
RENOVATION PLAN

SHEET NUMBER:

M-205

24 OF 30 SHEETS