

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. 2ND FLR
/PENTHOUSE HVAC
PIPING RENO. PLAN

SHEET NUMBER:

M-207

26 OF 30 SHEETS

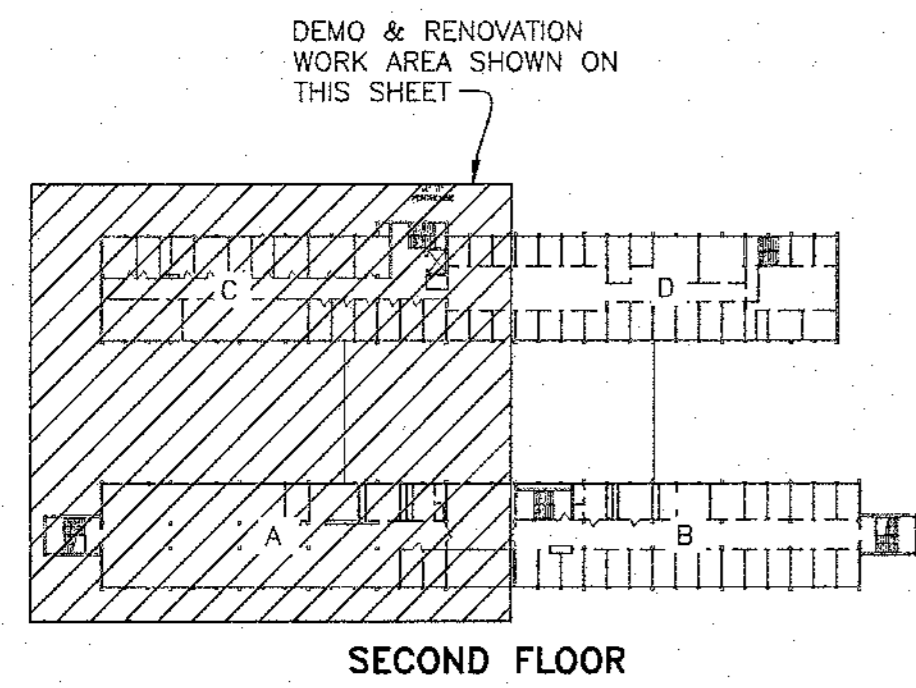
SPECIFIC MECHANICAL CONSTRUCTION NOTES

1. ZONE 6 WORK. ROUTE NEW DTS & DTR PIPING BELOW 2ND FLOOR CEILING AND UP THRU 2ND FLOOR DECKING TO PENTHOUSE. PROVIDE NEW HOLES IN CONCRETE FLOOR UP TO PENTHOUSE FCU'S.
2. ZONE 6 WORK. ROUTE NEW 4" DTS & DTR PIPING UP THROUGH 2ND FLOOR OUTSIDE OF CHASE TIGHT TO WALL. ROUTE UP WALL TO CEILING AND CONTINUE BELOW HARD CEILING. SECURE PIPING HIGH AS POSSIBLE.
3. ZONE 6 WORK. ROUTE NEW 3" DTS & DTR PIPING UP ABOVE CEILING TILE. REMOVE AND REINSTALL CORRIDOR CEILING TILE AS REQUIRED TO ROUTE PIPING. CEILING TILE IS APPROX. 8'-0" AFF.
4. ZONE 6 WORK. ROUTE NEW 1-1/4" PIPING UP THRU FLOOR TO PENTHOUSE FCU'S. PROVIDE NEW FLOOR PENETRATIONS.
5. ZONE 6 WORK. ROUTE BRANCH PIPING TO FCU'S HIGH THRU CORRIDOR WALL. PROVIDE CORE HOLES THRU WALL IF NO ACCESS. CONTINUE ROUTING INTO OFFICES HIGH NEAR CEILING (APPROX. 9'-0" AFF). ROUTE PIPING DOWN EXTERIOR WALL AND BRANCH TO EACH FCU. CONNECT NEW PIPING TO EXISTING FCU'S (TYPICAL THIS WING). SEE DETAIL 6, THIS SHEET. REFER TO DETAIL 1, SHEET M-501 FOR CONNECTION DETAIL.
6. EXISTING FCU'S.
7. ZONE 6 WORK. ROUTE DTS AND DTR PIPING DOWN CORRIDOR WALL TO EXISTING FCU. CONNECT NEW PIPING TO EXISTING UNIT. SEE DETAIL 1, SHEET M-501.
8. ZONE 5 WORK. CONNECT HWS AND HWR TO EXISTING FIN TUBE UNITS. SEE DETAIL 3 THIS SHEET FOR PIPE ROUTING AT UNITS. 2" HWS & HWR PIPING RUNS FROM FLOOR PENETRATION FULL LENGTH OF WALL. REINSTALL COVERS AT COMPLETION OF CONSTRUCTION.
9. ZONE 5 WORK. CONNECT HWS & HWR TO EXISTING HEATING UNIT. SEE DETAIL 1, SHEET M-501.
10. ZONE 3 WORK. NEW FCU LOCATIONS IN OFFICES TO BE COORDINATED WITH FACILITIES PERSONNEL. CONNECT NEW PIPING FROM 1ST FLOOR TO UNITS. PIPING SHALL PENETRATE FLOOR NEAR EXISTING WALLS. REFER TO CONNECTION DETAIL 1, SHEET M-501.
11. ZONE 3 WORK. ROUTE 1-1/4" PIPING UP THRU FLOOR, BRANCH TO 1" PIPING TO EACH FCU. SEE CONNECTION DETAIL 1, SHEET M-501.
12. ZONE 6 WORK. ROUTE PIPING FROM 2ND FLOOR UP AND BEHIND WALL PANELS TO EXISTING FCU'S.
13. ZONE 6 WORK. EXISTING NEWER MODEL FCU'S. CONNECT PIPING TO UNIT. SEE DETAIL 1, SHEET M-501.
14. ZONE 6 WORK. EXISTING FCU'S BEHIND WALL PANELS. VERIFY WORKING CONDITION. CURRENTLY ONLY ONE IS IN WORKING CONDITION. CONNECT PIPING TO WORKING FCU'S. SEE DETAIL 1, SHEET M-501. NOTIFY ENGINEER OF NON-WORKING FCU'S.
15. PROVIDE 2" SPRING EXPANSION FITTINGS IN HEATING WATER SUPPLY AND RETURN PIPING AS SHOWN.
16. 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.

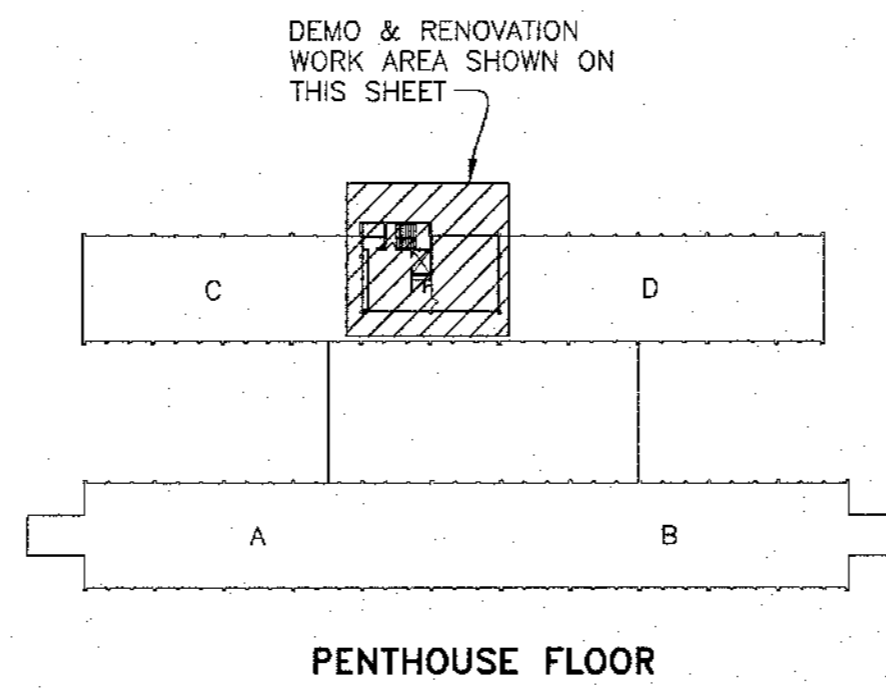
CONDENSATE DRIP LINE TO REMAIN IN SERVICE (TYP OF 4)

SEE SHEET M-208

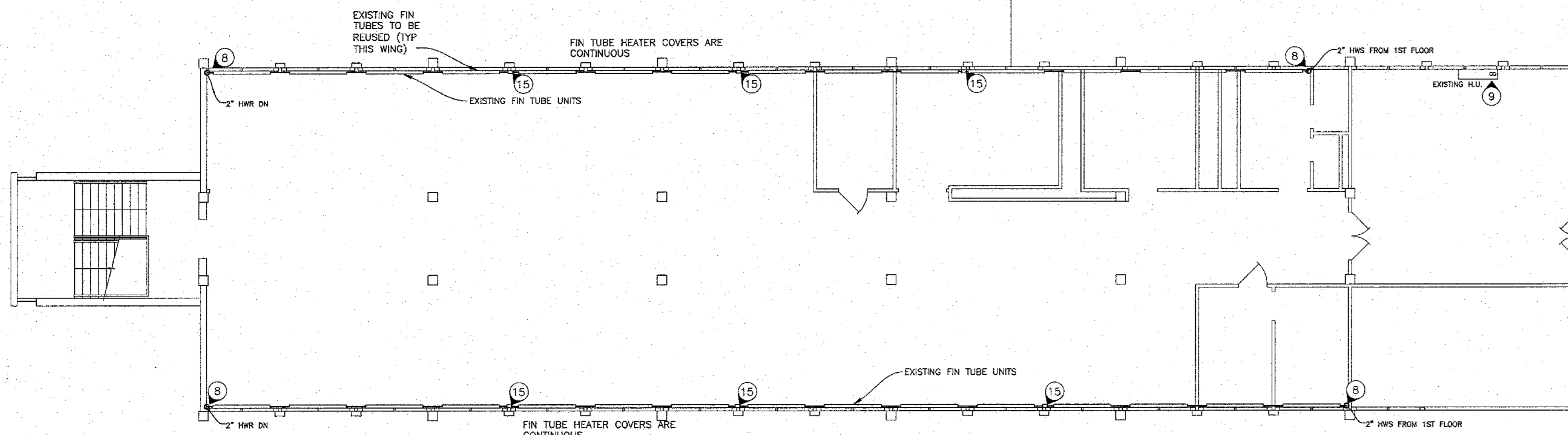
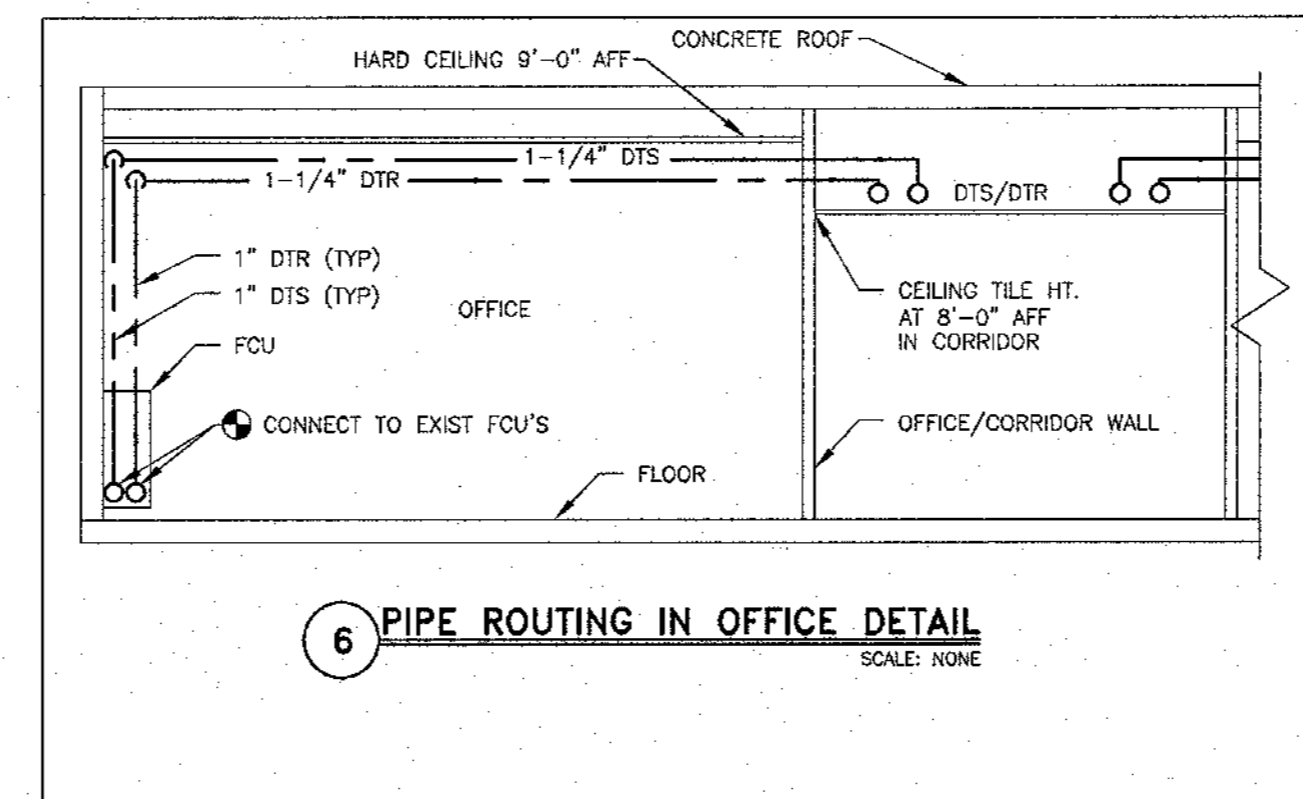
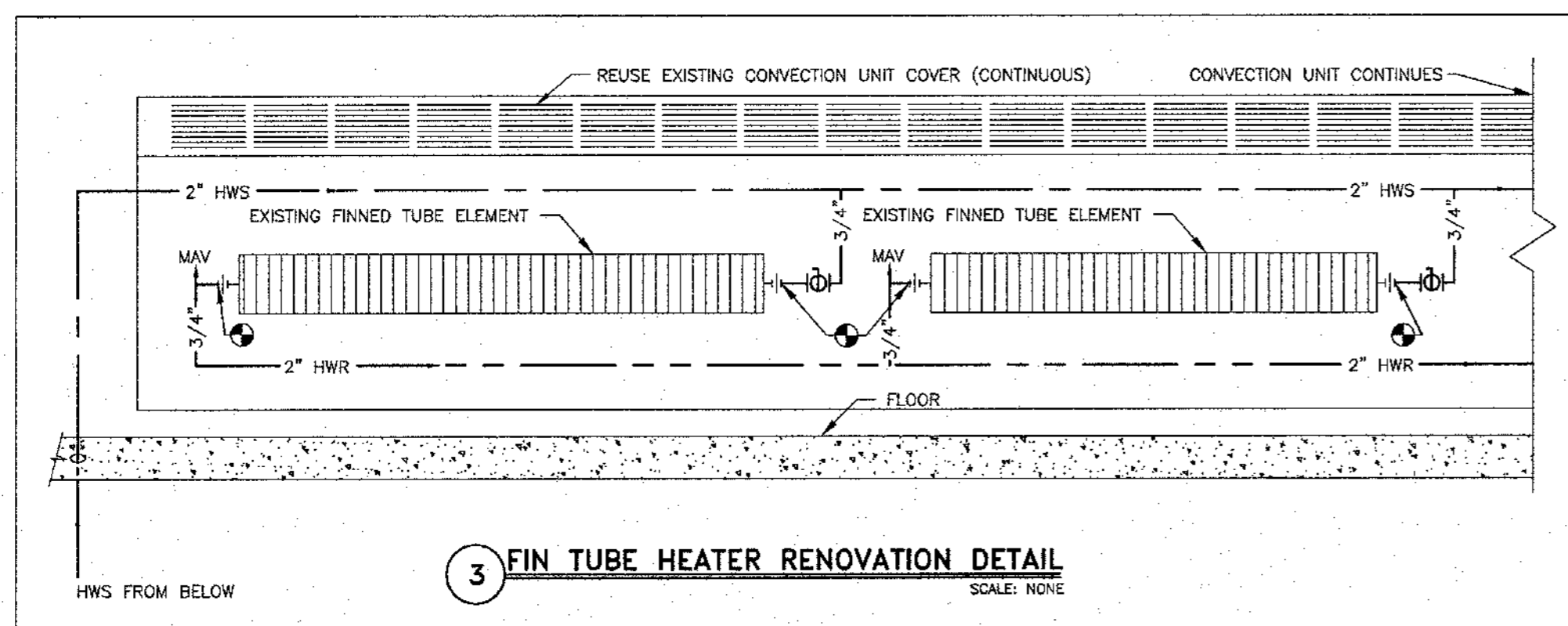
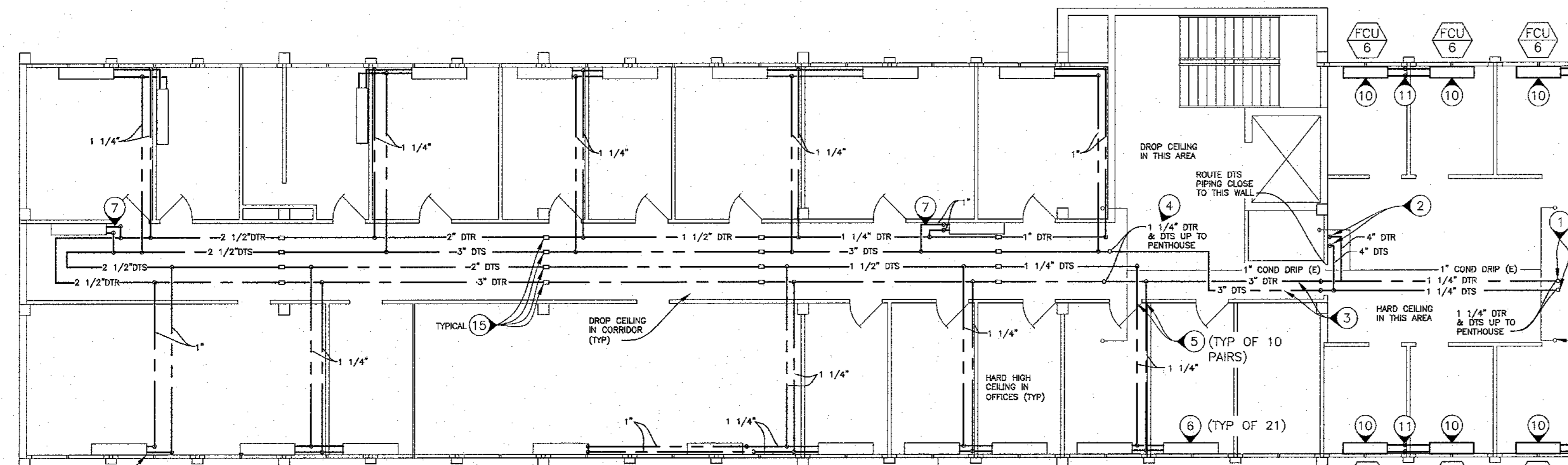
LEGEND	
HWS	NEW HOT WATER SUPPLY PIPE
HWR	NEW HOT WATER RETURN PIPE
HWS	EXISTING HOT WATER SUPPLY PIPE
HWR	EXISTING HOT WATER RETURN PIPE
DTS	NEW DUAL TEMP SUPPLY PIPE
DTR	NEW DUAL TEMP RETURN PIPE
DTS	EXISTING DUAL TEMP SUPPLY PIPE
DTR	EXISTING DUAL TEMP RETURN PIPE
CTS	EXISTING COOLING TOWER SUPPLY
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



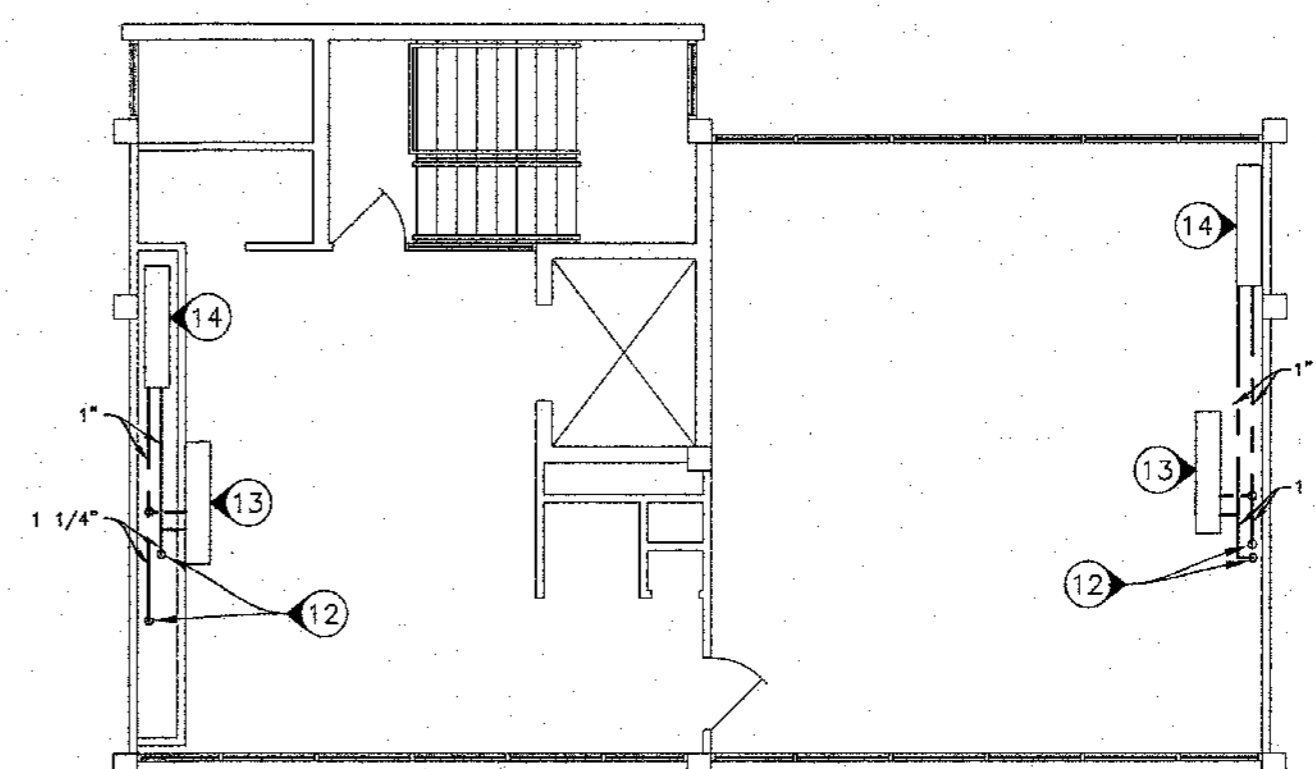
4 KEY PLAN
SCALE: NONE



5 KEY PLAN
SCALE: NONE



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



2 PENTHOUSE FLOOR HVAC PIPING RENOVATION PLAN
SCALE: 1/8"=1'-0"