NOTE:
VERIFY THERMOSTAT LOCATION WITH OWNER PRIOR TO INSTALLING. FILTER ALL OUTSIDE AIR.

GENERAL NOTES:

1. RUN ALL DUCTWORK TIGHT TO CEILING INSULATION.
2. FASTEN ALL CONDENSATE LINES TO WALLS OR CEILINGS WHERE APPLICABLE.
3. 7-DAY PROGRAMMABLE T'STAT WITH LOCKING COVER.
4. PROVIDE AND INSTALL CONCRETE SPLASH BLOCK, ONE PER 3 HEAT PUMPS MIN.
5. INSTALL FLOAT SWITCH IN AUXILIARY PAN TO STOP UNIT IN EVENT OF CONDENSATE OVERFLOW.

MECHANICAL SYMBOL LEGEND

SINGLE LINE	DOUBLE LINE	DESCRIPTION
		TAKE OFF TO SUPPLY AIR REGISTER WITH EXT. INSUL. DUCTWORK
		BRANCH TAKEOFF FROM MAIN TRUNK DUCT WITH EXT. INSUL. DUCTWORK
		END CAP
D OR DH	D OR DH	DUCT SMOKE DETECTOR
A.D.		ACCESS DOOR — DOOR SIZE / DUCT HEIGHT: 8X8 / 10"; 10X10 / 12"; 12X12 / 14" & LARGER

SINGLE LINE	DOUBLE LINE	DESCRIPTION
		VOLUME CONTROL DAMPER (TYP) — CEILING DIFFUSER — FLEXIBLE DUCTWORK (15' MAX.)
		ONE SIDED REDUCING TRANSITION
F.D.(1-1/2)		F.D.=FIRE DAMPER (1-1/2)=RATED FOR 1-1/2 HRS.
		RETURN AIR OR EXHAUST GRILLE
		TWO SIDED TRANSITION

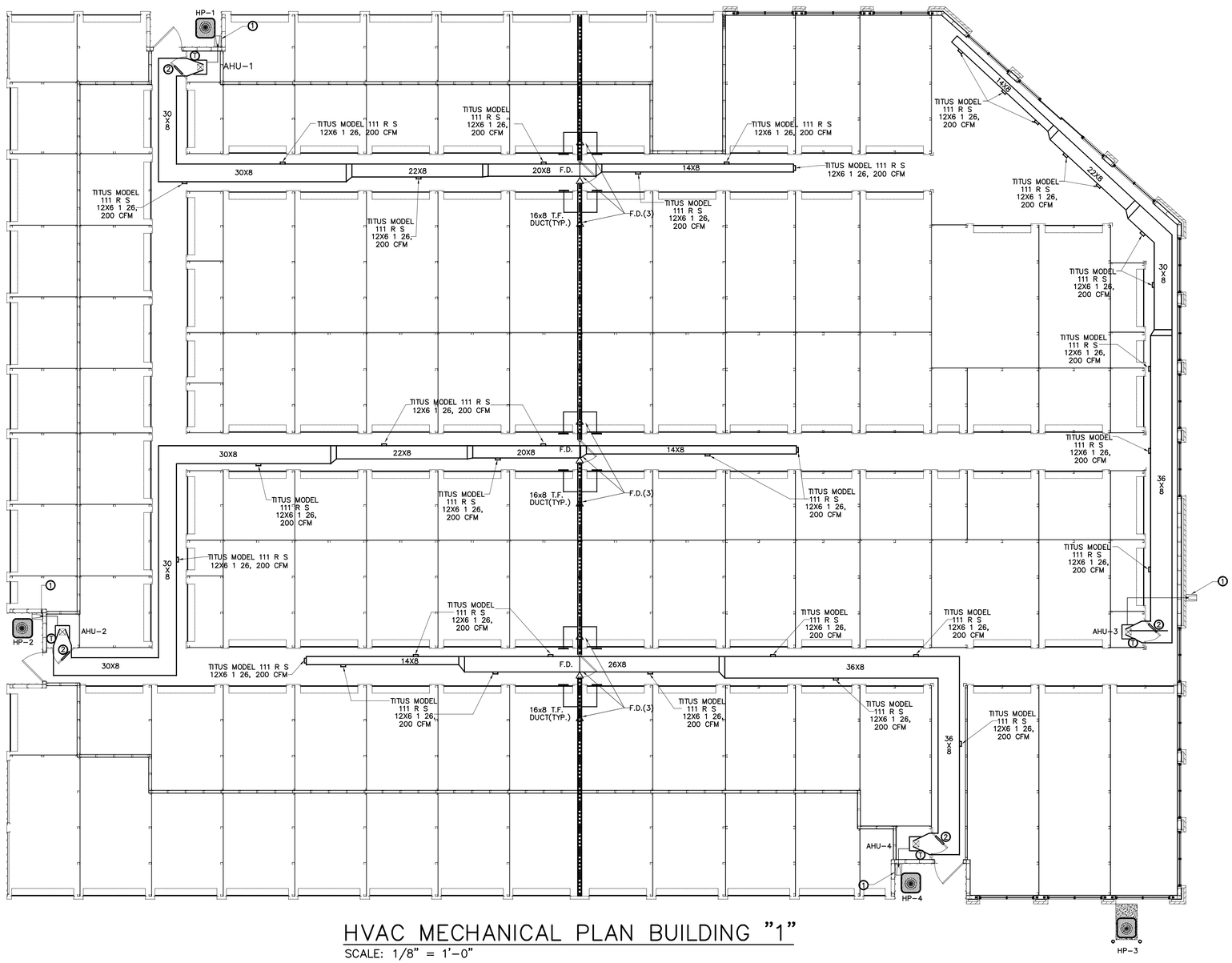
SINGLE LINE	DOUBLE LINE	DESCRIPTION
(1-WAY) (2-WAY) (3-WAY) (4-WAY)		SUPPLY AIR CEILING DIFFUSER, ARROW INDICATES DIRECTION OF BLOW & ACTIVE DIFFUSER SIDES
CUSHION HEAD		(1)CUSHION HEAD @ BRANCH OR DIFFUSER RUNOUT (2)CUSHION HEAD IS EQUAL TO 1-1/2 WIDTH OF THE BRANCH DUCT OR DIFFUSER RUNOUT
		R.A. OR EXHAUST DUCT TURNS DOWN @ 90 DEGS.
		MANUAL VOLUME CONTROL DAMPER W/ QUADRANT LOCKING DEVICE
		TWO SIDED TRANSITION

	ELECT. DUCT INSERT HEATER WITH CONTROL PANEL
	AHU W/FLEXIBLE CONNECTION AT SUPPLY AND RETURN DUCT
	KEY NOTE
X / XXX	MARK — CFM-DIFFUSER, REGISTER OR GRILLE (SEE SCHEDULE)
1	EXHAUST FAN

KEY NOTES:

1. 3/4" CONDENSATE FROM EACH AIR HANDLING UNIT TO SPLASH BLOCK
2. 16" X 16" TRANSFER GRILL INSTALLED IN DOOR (TYPICAL)

GENERAL NOTE:
MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES FOR ALL HVAC EQUIPMENT.
PROVIDE CONDENSATE PUMP FOR AHU-3 AS REQUIRED.



HVAC MECHANICAL PLAN BUILDING "1"

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

REVISION 1
ADDED 3 HR RATED WALL FIRE DAMPERS AND TRANSFER GRILLES

LEGEND
3 HOUR FIRE BARRIER WALL (U419)

NORTH CAROLINA PROFESSIONAL SEAL 18909 ENGINEER CINDY L. CRUSE 03-15-23

PLANS FOR:
UNIVERSITY STORAGE
HWY 421
ERWIN, NORTH CAROLINA

REVISIONS	
NO.	
1	03-15-23

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JOB NO.	22-15
SHEET NO.	M-1 OF 2