

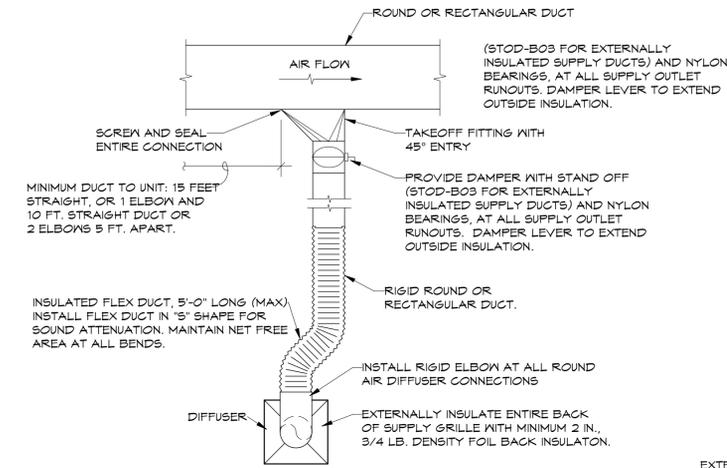
GENERAL HVAC NOTES

- COORDINATE GRILLE LOCATIONS WITH LIGHT FIXTURES, SPRINKLERS AND CEILING GRID.
- INDICATED DUCT SIZES ARE NET FREE AREA.
- ADJUST ALL AIR QUANTITIES AS SHOWN ON THE PLANS AFTER COMPLETION OF THE JOB.
- INSULATE THE SUPPLY GRILLE TOPS, RETURN AIR GRILLE PLENUMS AND EXHAUST AIR PLENUMS WITH 2 IN., 3/4 LB DENSITY FOIL BACKED INSULATION.
- EXTERNALLY INSULATE ALL ROUND SUPPLY AND RETURN DUCT. INTERNALLY INSULATE ALL RECTANGULAR SUPPLY AND RETURN DUCT PER MECHANICAL CODE. ATTACH THE INTERNAL INSULATION TO THE DUCT WITH APPROVED ADHESIVE AND WELDED FASTENERS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK WITH FIELD CONDITIONS AND PROVIDE ALL OFFSETS, BENDS, TRANSITIONS AND SPECIAL FITTINGS FOR A COMPLETE INSTALLATION OF THE SYSTEMS.
- INTERIOR OF ALL DUCT PLENUMS VISIBLE THROUGH GRILLE SHALL BE PAINTED MATTE BLACK PRIOR TO INSTALLATION.
- PAINT ALL SUPPLY AND RETURN AIR GRILLES NOT SPECIFIED AS PRE-FINISHED, TO ARCHITECT'S SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
- INSTALL VOLUME CONTROL DAMPERS IN SUPPLY, RETURN, EXHAUST AND FRESH AIR BRANCH DUCT RUNS.
- ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE MECHANICAL CODE.
- SEAL ALL DUCT SEAMS WITH HARDCAST IRON GRIP 601 SEALANT SYSTEM OR AN APPROVED EQUAL. DUCT TAPE, WHETHER LISTED OR NOT, WILL NOT BE ACCEPTED.
- FABRICATE AND INSTALL ALL GALVANIZED DUCT SYSTEMS TO SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION, AND MECHANICAL CODE.
- FABRICATE AND INSTALL AUXILIARY CONDENSATE DRAIN PAN UNDER ENTIRE AIR HANDLER WITH CONDENSATE PAN SWITCH INTERLOCKED WITH AIR HANDLER FOR SHUT DOWN WHEN CONDENSATE OVER FLOW IS SENSED.
- SUPPLY AIR SYSTEMS AND RETURN AIR SYSTEMS INSTALLED IN AN ATTIC, VENTILATED CRAWL SPACE OR OTHER NON-CONDITIONED AREA SHALL BE INSULATED.
- SPRINKLER CONTRACTOR TO BE RESPONSIBLE FOR ROUTING ALL SPRINKLER PIPING TO AVOID ALL UNCONDITIONED SPACES.
- DO NOT SCALE DIRECTLY FROM THE HVAC DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.

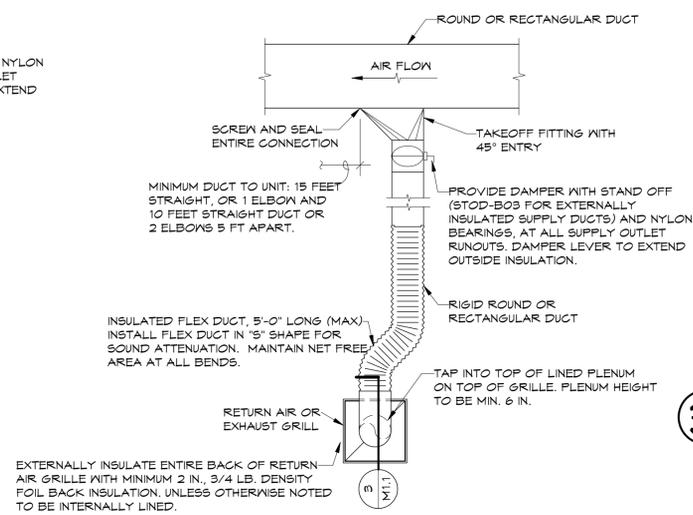
MECHANICAL LEGEND

- SUPPLY DUCT SECTION
- RETURN OR EXHAUST DUCT SECTION
- CEILING SUPPLY GRILLE
- CEILING RETURN GRILLE
- CEILING EXHAUST GRILLE
- SIDEWALL SUPPLY OR RETURN GRILLE
- SEE KEYED NOTES
- SUPPLY, RETURN, OR EXHAUST DUCT
- EXISTING SUPPLY, RETURN, OR EXHAUST DUCT
- DEMO SUPPLY, RETURN, OR EXHAUST DUCT
- VOLUME DAMPER
- FLEX DUCT CONNECTION MAXIMUM OF 5 FT.
- THERMOSTAT, MOUNT AT 48" A.F.F. TO TOP (NUMBER DENOTES FURNACE OR AIR HANDLER UNIT)

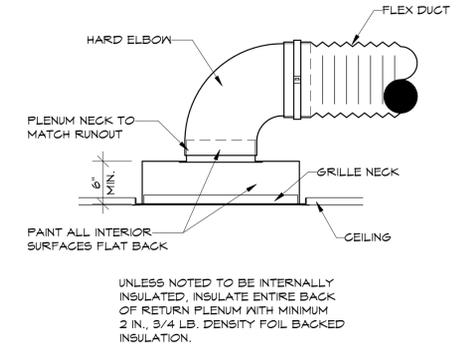
1 SUPPLY DUCT CONNECTION DETAIL



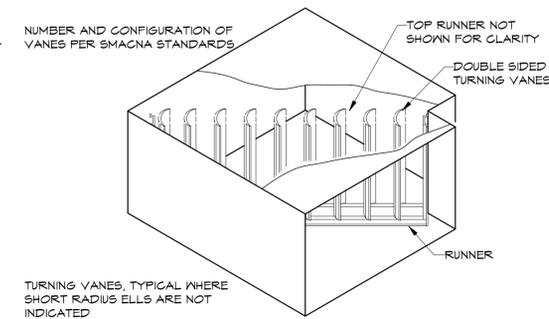
2 RETURN DUCT CONNECTION DETAIL



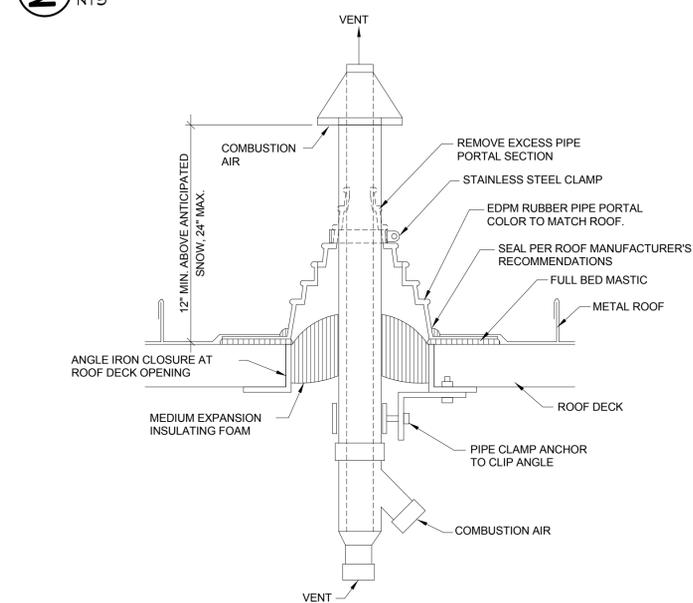
3 RET. GRILLE CONNECTION SECTION



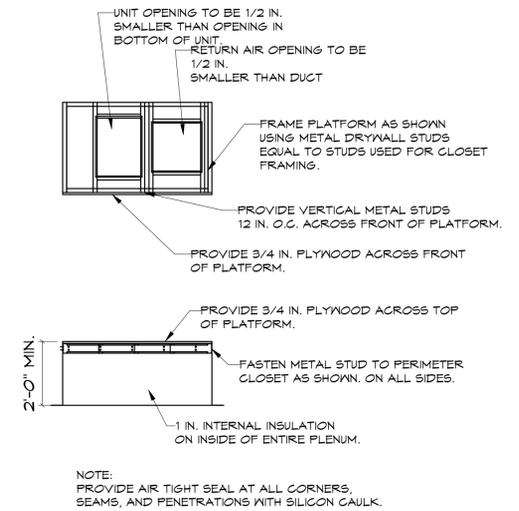
4 TURNING VANE DETAIL



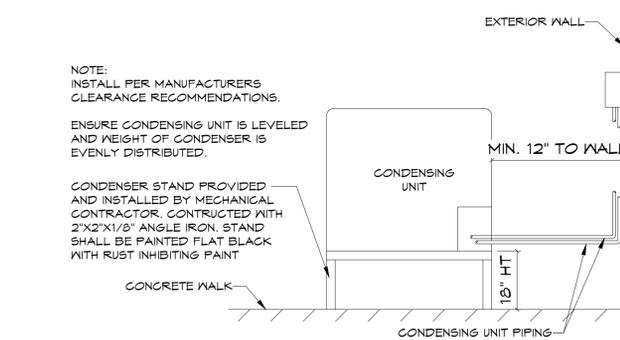
5 FURNACE CONCENTRIC VENT DETAIL



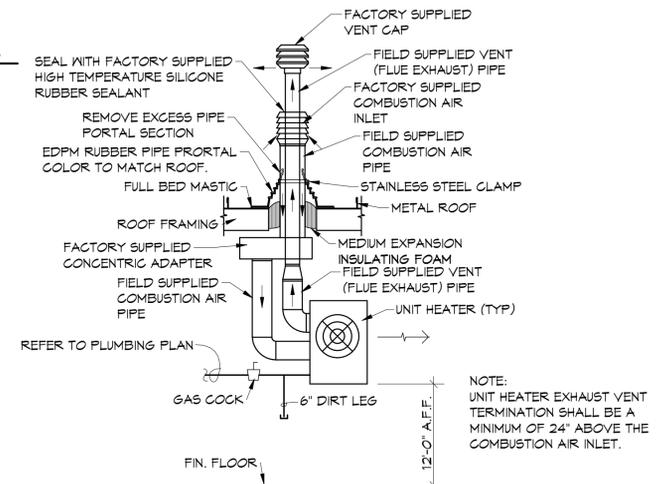
6 FURNACE STAND DETAIL



7 CONDENSER STAND DETAIL



8 UNIT HEATER DETAIL



MARK	CFM	NECK SIZE	MFG.	MODEL	TYPE	FINISH	FRAME	REMARKS/ACCESSORIES
A	175-180	8"Ø	KRUEGER	1450	<varies>	<varies>	<varies>	<varies>
B	350	12"Ø	KRUEGER	1450	4-WAY SUPPLY	REFER TO ARCHITECT	T-BAR LAY-IN	1
C	200-1200	22" X 22"	KRUEGER	885	RETURN	REFER TO ARCHITECT	T-BAR LAY-IN	1, 2

- REMARKS/ACCESSORIES
- STEEL CONSTRUCTION.
 - NO SCREEN HOLES.

MARK	MFG.	MODEL	ESP IN. WG	CFM	HEATING			OUTSIDE AIR (CFM)	FAN MOTOR HP	VOLT/PH/HZ	REMARKS / ACCESSORIES
					INPUT (MBH)	OUTPUT (MBH)	FUE TYPE				
F-9	DAIKIN	DR96SN0204GN	0.5	1400	80	76	GAS	260	3/4	115 / 1 / 60	1 THRU 9

- REMARKS/ACCESSORIES
- 95% MIN. AFUE UPFLOW GAS FURNACE.
 - ELECTRONIC SPARK IGNITION.
 - 10 YEAR MIN. NON-PRORATED HEAT EXCHANGER.
 - PROVIDE 2" FARR 30/30 FILTERS.
 - PROVIDE FILTER HOUSING EQUAL TO MCDANIEL METALS "ACCOMMODATOR" FILTER HOUSING. HOUSING MUST ACCEPT UP TO 2 INCH FILTER.
 - PROVIDE 1-DAY PROGRAMMABLE THERMOSTAT.
 - PROVIDE FACTORY VERTICAL CONCENTRIC VENT TERMINATION KITS REFER TO 5/M1.1 FOR DETAIL.
 - PROVIDE MATCHING MULTI-POSITION CASED "A" TYPE COIL WITH TXV REFRIGERANT CONTROL.
 - PROVIDE FULL 2 YEAR PARTS AND LABOR WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION.

MARK	MFG.	MODEL	TMBH	SMBH	MCA	MOP	VOLT/PH/HZ	REMARKS / ACCESSORIES
CU-9	DAIKIN	DC95EA4210	39	28	19.3	30	208-230 / 1 / 60	1 THRU 7

- REMARKS/ACCESSORIES
- MINIMUM 14.0 SEER CONDENSER
 - PROVIDE LOW AMBIENT TO OF CONTROL WITH TXV AND CRANK CASE HEATERS.
 - PROVIDE LIQUID LINE FILTER DRYER
 - PROVIDE FACTORY HAIL GUARD.
 - SIZE AND INSTALL REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS.
 - EQUIPMENT PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR.
 - PROVIDE FULL 2 YEAR PARTS AND LABOR WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION.

NOTE: REFER TO SHEET M1.1 FOR HVAC NOTES, LEGENDS, DETAILS & SCHEDULES. REFER TO SHEET M2.0 FOR HVAC DEMO PLANS. REFER TO SHEET M2.1 FOR HVAC PLANS.

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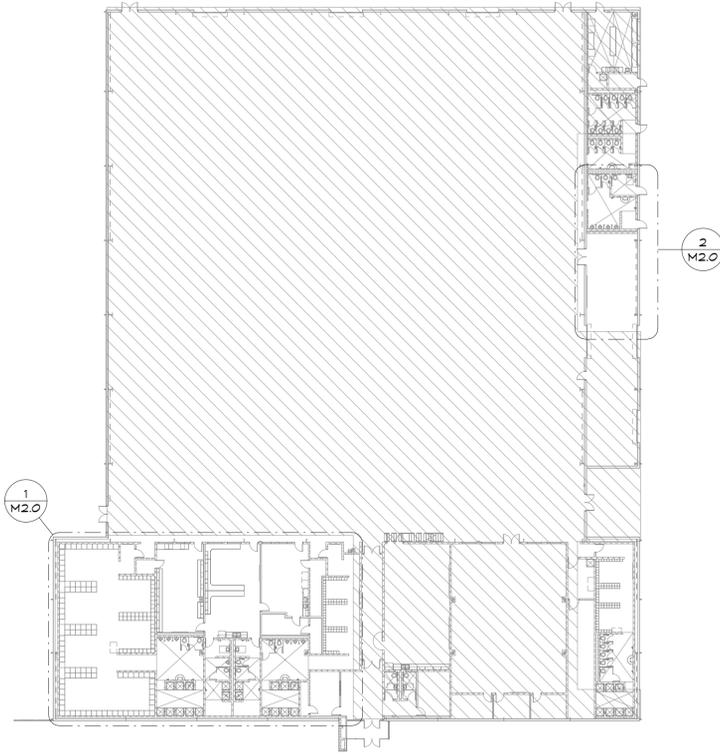
BENTONVILLE SCHOOL DISTRICT #6
BWFH - DEN Remodel
1355 GAMBLE ROAD, CENTERTON, ARKANSAS

DRAWN BY: RJK
CHECK BY: NEW
ISSUE DATE: 2/2/2026
PROJECT NO: 2421
REVISION DATES:

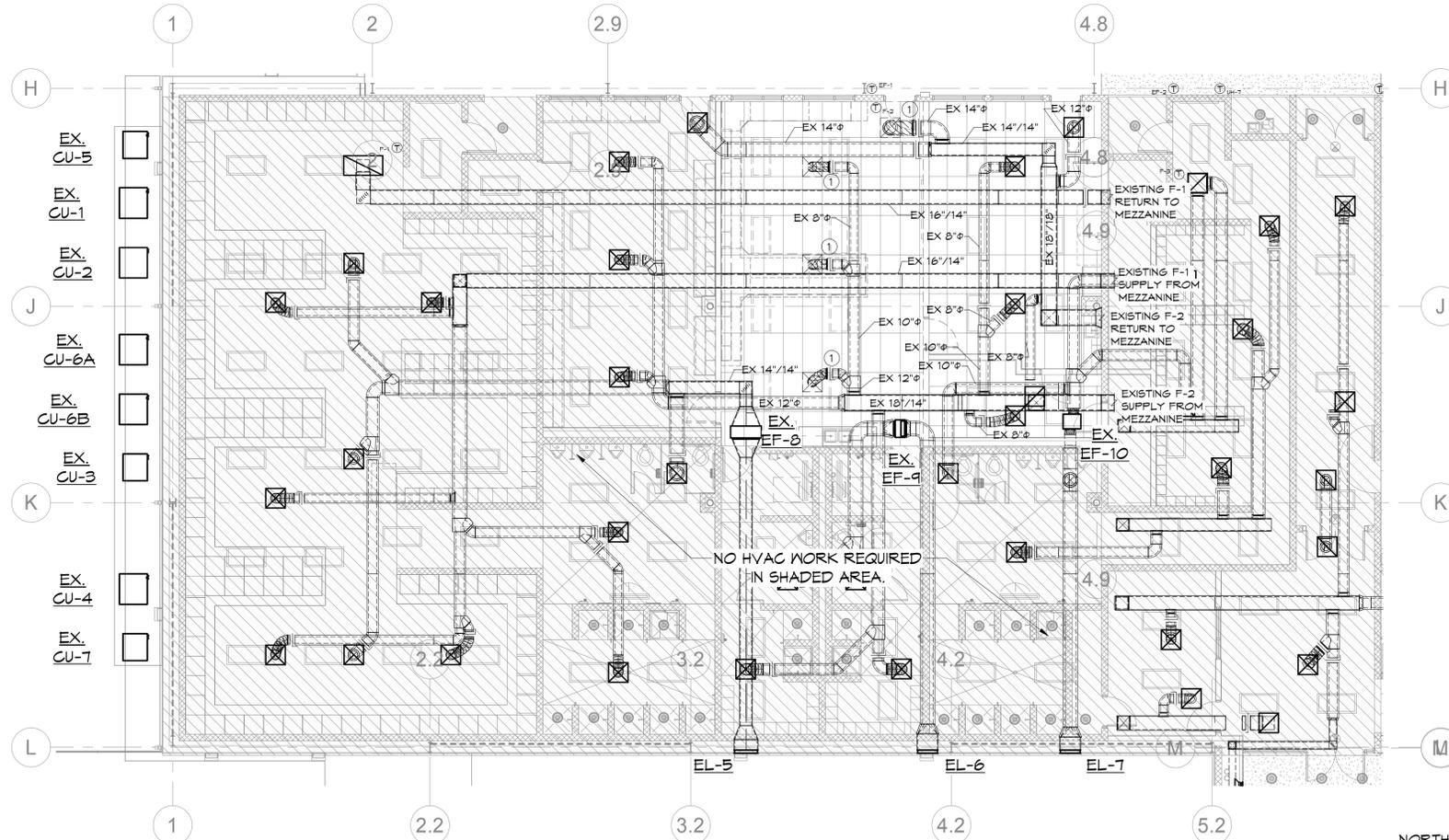
HVAC NOTES & LEGEND
SHEET
M1.1
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HVAC DEMO KEYED NOTES

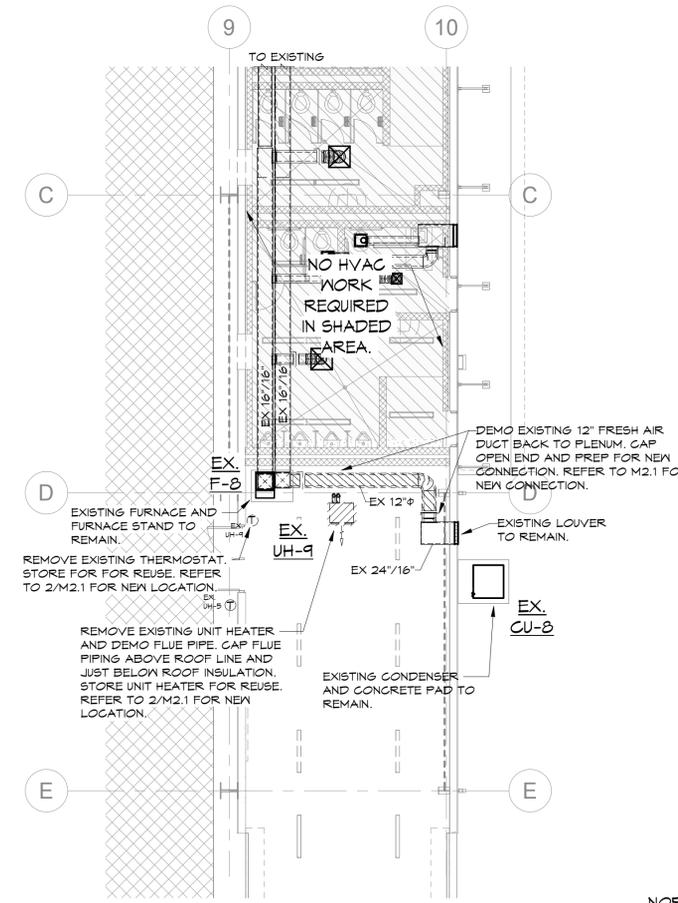
① DEMO EXISTING GRILLE AND FLEX DUCT CONNECTION TO EXISTING BRANCH DUCT. CAP OPEN DUCT AND PREP FOR NEW CONNECTION. REFER TO M2.1 FOR NEW CONNECTION.



③ OVERALL HVAC DEMO PLAN
1/32" = 1'-0"



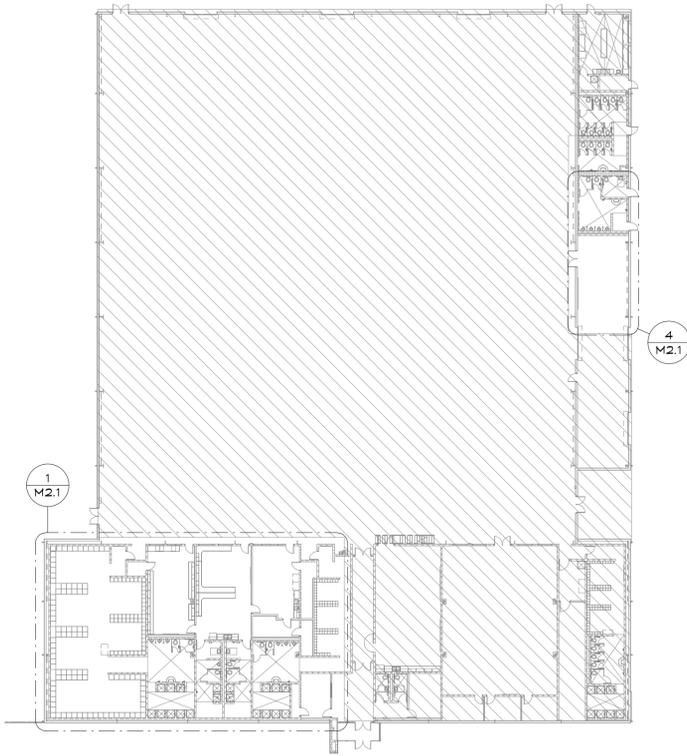
① FIRST FLOOR DEMO HVAC PLAN - AREA A
1/8" = 1'-0"



② FIRST FLOOR DEMO HVAC PLAN - AREA B
1/8" = 1'-0"

NOTE:
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REFER TO SHEET M2.0 FOR HVAC DEMO PLANS.
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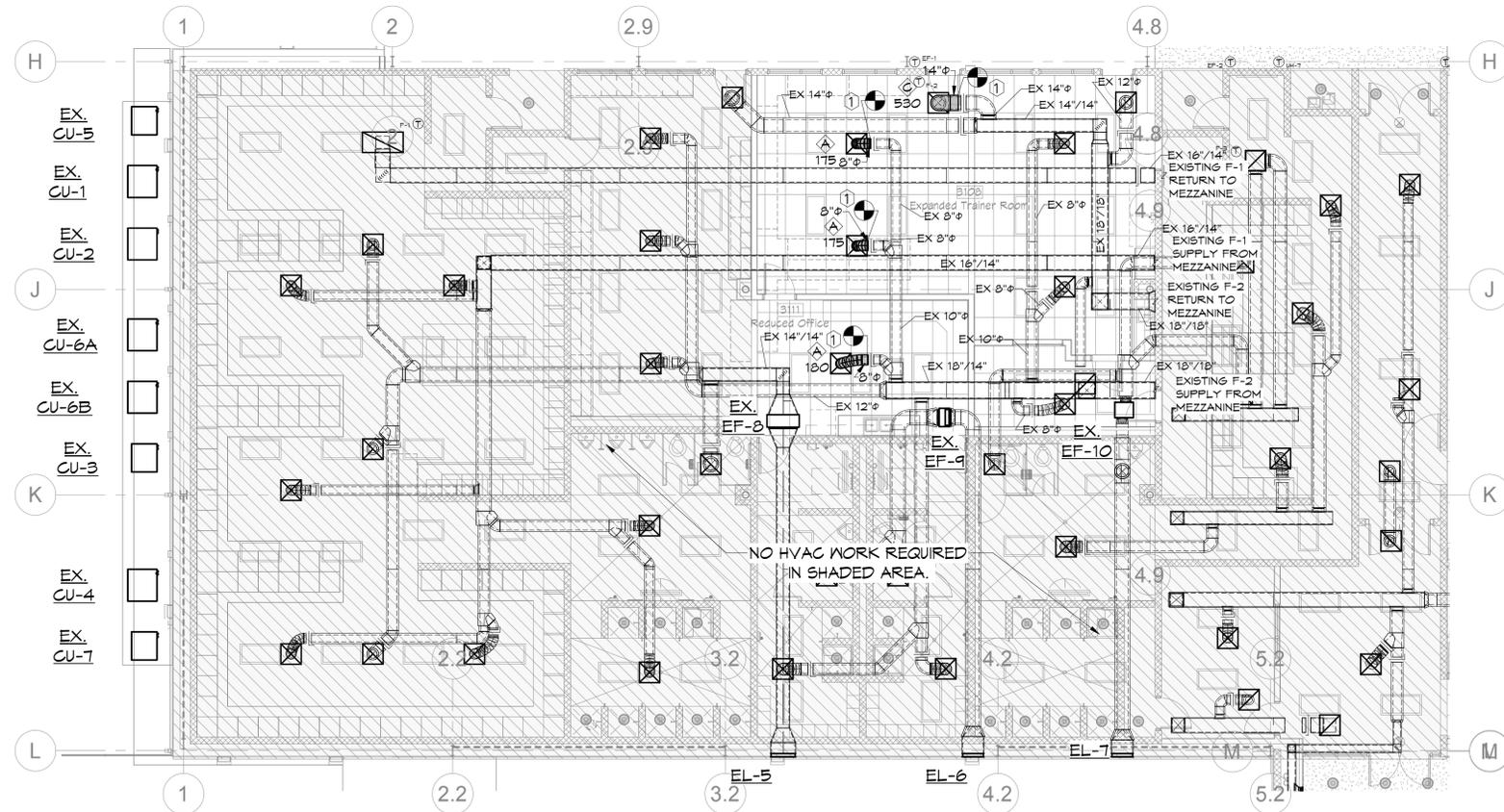
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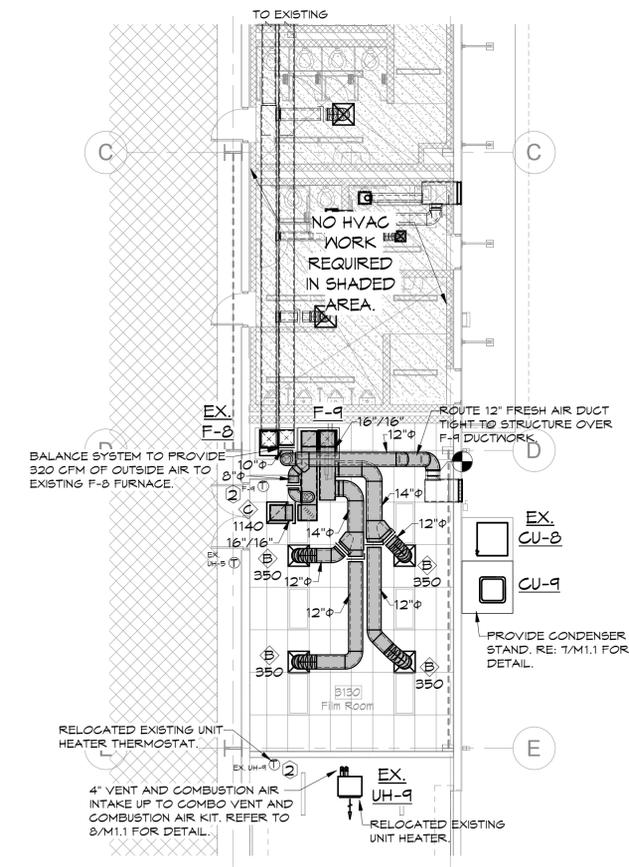
HVAC KEYED NOTES

- 1 PROVIDE NEW CONNECTION AND GRILLE TO EXISTING BRANCH DUCT. REBALANCE SYSTEM TO PROVIDE LISTED AIRFLOWS.
- 2 LOCATE THERMOSTAT, CO2 SENSOR OR HUMIDISTAT AS INDICATED WITH THE TOP OF THE THERMOSTAT AT 48 IN. ABOVE FINISHED FLOOR. SEAL ALL THERMOSTAT CONDUITS AT TOP AND BOTTOM OF CONDUIT. PROVIDE INSULATED BACKING FOR MOUNTING THERMOSTATS.

3 OVERALL HVAC PLAN
1/32" = 1'-0"



1 FIRST FLOOR HVAC PLAN - AREA A
1/8" = 1'-0"



4 FIRST FLOOR HVAC PLAN - AREA B
1/8" = 1'-0"



NOTE:
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HVAC FLOOR PLAN
 SHEET
M2.1
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