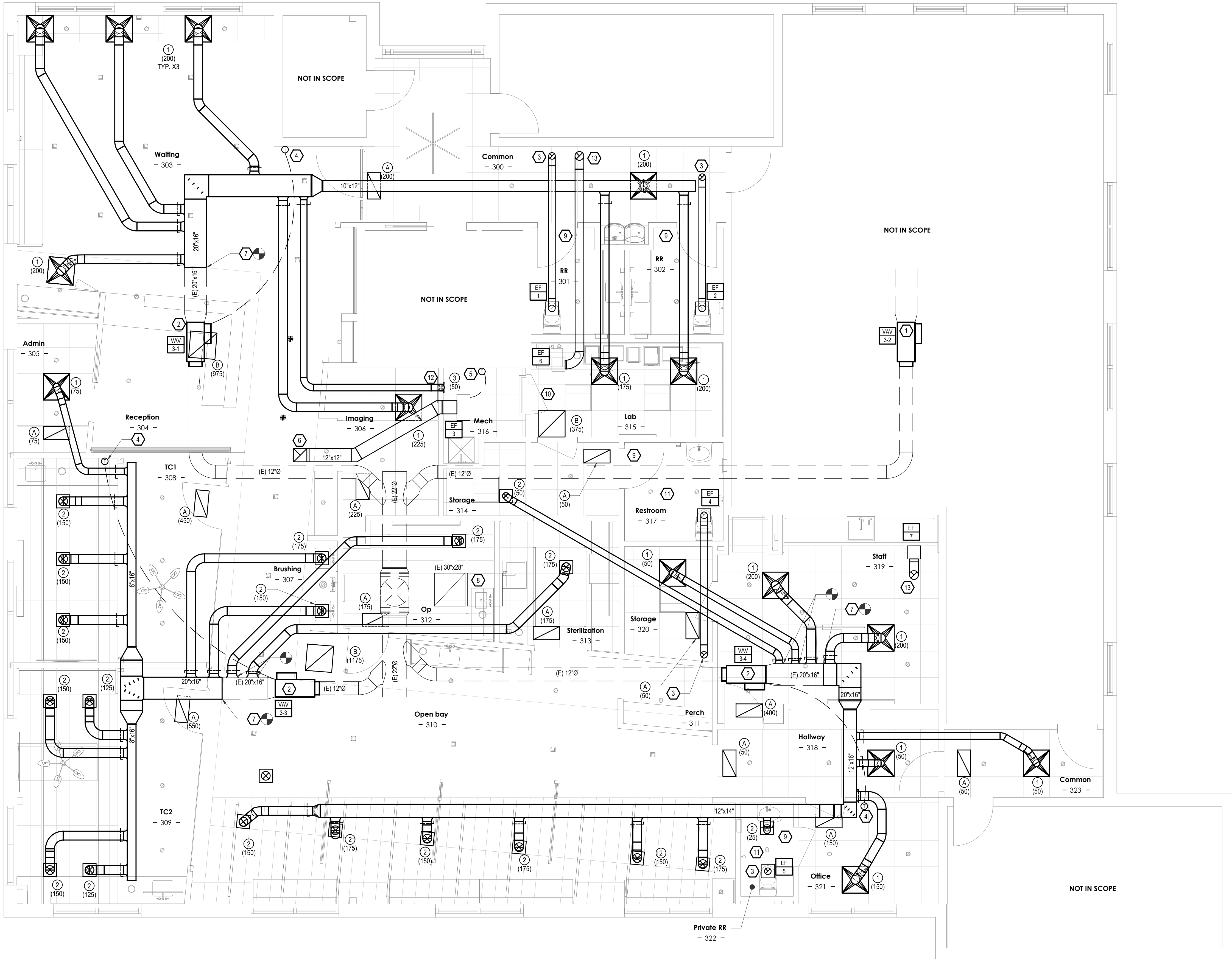
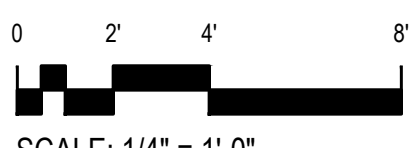


MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"

DIFFUSER SCHEDULE

CFM	Supply Neck Ø	CFM	Return Neck Ø
0 - 125	6"	0 - 100	6"
126 - 250	8"	101 - 200	8"
251 - 350	10"	201 - 375	10"
351 - 550	12"	376 - 625	12"
551 - 700	14"	625 - 925	14"
701 - 850	16"	< 925	See Plans

FOR ANY RUN-OUT OVER 20' IN LENGTH, USE NEXT SIZE UP ON THIS SCHEDULE. DETERMINE LENGTH IN FIELD.

GENERAL NOTES:

- COORDINATE ROOF PENETRATIONS WITH THE ROOFING CONTRACTOR (IF REQUIRED). PROVIDE AND PAY FOR ANY REQUIRED ROOFING BY ROOFING CONTRACTOR.
- A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.
- AN OPERATION & SYSTEMS MANUAL SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION.
- AN AIR FILTER WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8 OR HIGHER SHALL BE INSTALLED IN THE MECHANICAL SYSTEM FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY.
- THE HVAC REGRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE BUILDING STRUCTURE OR BUILDING UTILITIES CAUSED AS RESULT OF THE CONTRACTOR'S WORK UNDER THIS CONTRACT. IT IS RECOMMENDED THAT MASONRY/CONCRETE FLOORS/WALLS BE X-RAYED PRIOR TO ANY PENETRATIONS.
- ALL SUPPLY AND RETURN AIR DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-8 INSULATION.
- ALL CONCEALED LOW PRESSURE (<2"WG) COOLING & HEATING DUCT 20" DIA. OR LESS SHALL BE UL 181 CLASS I FACTORY MADE OF FLEXIBLE ALUMINUM DUCT INSULATED WITH R-8 INSULATION AND SHEATHED WITH A VAPOR PROOF POLYETHYLENE SLEEVE.
- ALL ROUND FLEXIBLE SUPPLY TAIL PIECES SHALL BE UL 191 CLASS I FACTORY MADE ACOUSTICAL FLEXIBLE DUCT WITH NYLON LINER AND INSULATED WITH R-8 INSULATION SHEATHED WITH A VAPOR PROOF METALIZED POLYESTER SLEEVE. THE MAXIMUM ALLOWABLE LENGTH OF THE FLEX DUCT SHALL BE 6'-0" AND MAY NOT BE USED AS AN ELBOW.
- ALL ROUND ENVIORNMENTAL EXHAUST AIR DUCTS AND OUTSIDE AIR DUCTS SHALL BE SMOOTH ROUND GALVANIZED PIPE INSTALLED IN ACCORDANCE WITH CHAPTER LOCAL CODE.
- NO EXPOSED FLEXIBLE DUCTS SHALL BE USED.
- NO RETURN AIR REGISTERS SHALL BE LOCATED 60" OF A SUPPLY AIR DIFFUSER THAT DIRECTS SUPPLY AIR IN THE DIRECTION OF THE RETURN AIR REGISTER.
- ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING, COOLING, AND VENTILATING EQUIPMENT.
- EXISTING SUPPLY & RETURN DUCTS & DIFFUSERS TO BE REMOVED BACK TO DROPS DOWN FROM RTU.
- PROVIDE EACH SUPPLY AIR RUN-OUT/DIFFUSER WITH BALANCING DAMPER.

KEYED NOTES: ⬡

- (E) VAV 3-2 IS LOCATED OUTSIDE THE PROJECT SCOPE AREA. CONTRACTOR TO FIELD VERIFY THAT AN ADEQUATE RETURN AIR PATH REMAINS FOR THE UNOCCUPIED SPACE SERVED. IF THE NEW SUBDIVISION OF THE OPEN WHITEBOX SPACE ELIMINATES THAT PATH, NOTIFY ARCHITECT AND ENGINEER PRIOR TO PROCEEDING.
- (E) VAV 3-1, 3-3 & 3-4 TO REMAIN AND TO BE REBALANCED. REBALANCE TO CFMS SHOWN.
- PROVIDE 6" EA DUCT UP THROUGH ROOF IN THIS LOCATION, TERMINATE WITH BIRD SCREEN AND RAIN CAP. CONTRACTOR TO FIELD VERIFY TERMINATION POINT IS 10' OR FURTHER AWAY FROM ALL OUTSIDE AIR INTAKES.
- THERMOSTAT: PROVIDE AND INSTALL 7 DAY PROGRAMMABLE, IN THIS VICINITY. MOUNT THERMOSTAT AT 48" A.F.F. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE NECESSARY WIRING TO CONNECT THERMOSTATS TO ASSOCIATED VAV BOX.
- THERMOSTAT: PROVIDE AND INSTALL 7 DAY PROGRAMMABLE THERMOSTAT IN THIS VICINITY. MOUNT THERMOSTAT AT 48" A.F.F. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE NECESSARY WIRING TO CONNECT THERMOSTAT TO EF-3. EF-3 TO BE CONTROLLED VIA THERMOSTAT. SET POINT TO MAXIMUM 85 °F.
- PROVIDE 12"x12" EA DUCT UP FROM EF-3 TO ROOF. TERMINATE WITH BIRD SCREEN AND RAIN CAP.
- PROVIDE (N) 20"x16" SA DUCT AND CONNECT TO (E) 20"x16" SA DUCT. (E) DIFFUSERS ON (E) 20"x16" SA DUCT TO BE REMOVED.
- (E) RETURN AIR DUCT FOR PLENUM RETURN SYSTEM TO REMAIN AS IS.
- UNDERCUT DOOR BY 1" FOR TRANSFER AIR.
- PROVIDE FULLY LOUVERED DOOR FOR TRANSFER AIR.
- ALL GRILLES IN THESE ROOMS TO BE PAINTED TO MATCH CEILINGS. REFER TO ARCHITECTURAL PLANS FOR FINISHES & COLORS.
- TRANSITION 6"Ø SA DUCT TO 6"x3" AND PROVIDE DOWN IN WALL TO SUPPLY GRILLE MOUNTED NEAR FLOOR LEVEL.
- PROVIDE 8" EA DUCT UP THROUGH ROOF IN THIS LOCATION. TERMINATE WITH BIRD SCREEN AND RAIN CAP. CONTRACTOR TO FIELD VERIFY TERMINATION POINT IS 10' OR FURTHER AWAY FROM ALL OUTSIDE AIR INTAKES.

JOE
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REVISIONS

#	Date	Description
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DATE: 18 Aug 2026

PROJECT NO: 26085

DRAWN BY: CM / JC

ISSUED FOR: Permit Set

MECHANICAL FLOOR PLAN

M 1.0