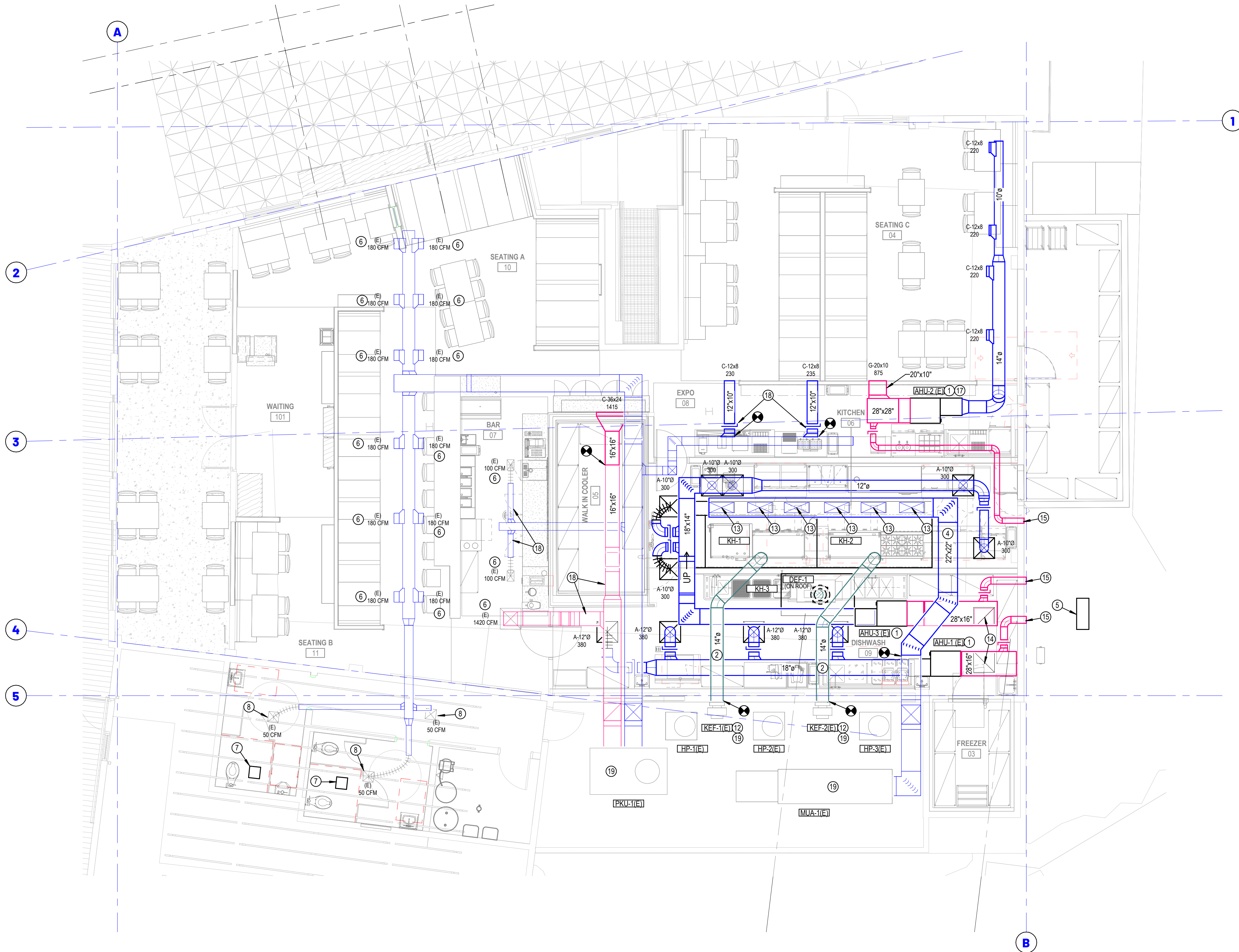




A HVAC IMPROVEMENT PLAN
3/16" = 1'-0"
0 2 4 6 10

KEYED NOTES

1. EXISTING AIR HANDLER RELOCATED FROM DEMOLITION PLANS. UNIT TO BE RE-INSTALLED ABOVE CEILING AT THIS LOCATION. NEW CONDENSATE DRAIN TO BE EXTENDED TO A TAIL PIECE OF A LAVATORY OR HAND SINK.
2. NEW GREASE DUCT TO BE INSTALLED AS SHOWN AND CONNECTED TO EXISTING EXHAUST FANS. DUCT TO BE INSTALLED WITH ACCESS PANELS FOR CLEANING.
3. EXISTING EXHAUST FANS TO BE PREPARED AND CLEANED FOR NEWLY WORKING CONDITION BY MECHANICAL CONTRACTOR.
4. NEW MAKE-UP AIR EXHAUST DUCT TO BE ROUTED AS SHOWN AND CONNECTED TO SUPPLY CONNECTIONS OF KITCHEN HOODS.
5. ICE MAKER (ICE-1) CONDENSING UNIT SHOWN HERE FOR CLARITY. FINAL LOCATION TO BE PLACED ON ROOF WITHIN PROXIMITY TO ICE MACHINE BELOW. FINAL LOCATION OF CONDENSING UNIT WILL BE FIELD VERIFIED BY MECHANICAL CONTRACTOR TO DETERMINE FINAL LENGTH OF REFRIGERANT PIPING REQUIRED. ALL PENETRATIONS THROUGH ROOF WILL BE REQUIRED TO BE CONSTRUCTED WEATHER TIGHT.
6. EXISTING DUCTWORK AND SA/RA AIR GRILLES AT THIS LOCATION TO REMAIN AS IS. MECHANICAL CONTRACTOR SHALL PROVIDE A TEST AND BALANCE FOR ALL NEW AND EXISTING SYSTEMS AS REQUIRED PER CONTRACT DOCUMENTS.
7. EXISTING EXHAUST FANS AT THIS LOCATION TO BE REPLACED ONE FOR ONE, FOR GREENHECK MODEL SP-B110 OR EQUAL.
8. EXISTING SUPPLY AIR GRILLE TO BE REPLACED ONE FOR ONE WITH PRICE SMD 12x12. OR EQUAL. FINAL COLOR TO BE COORDINATED WITH ARCHITECTURAL INTERIOR FINISHES DRAWINGS.
9. EXISTING RETURN AIR GRILLE AT THIS LOCATION TO BE INSTALLED APPROXIMATELY 14'-0" ABOVE FINISHED FLOOR. HOWEVER, MECHANICAL CONTRACTOR WILL BE REQUIRED TO FIELD VERIFY PRIOR TO PURCHASING MATERIALS. ADDITIONAL COORDINATION MAY BE REQUIRED WITH OTHER TRADES.
10. KITCHEN HOOD FOR DISHWASHER (KH-3) TO BE INSTALLED ABOVE DISHWASHER AT THIS LOCATION AS SHOWN. 12" SPIRAL DUCT TO BE EXTENDED BETWEEN HOOT AND FAN ON ROOF. ALL PENETRATIONS TO BE SEALED WEATHER TIGHT.
11. KITCHEN HOOD (KH-1, KH-2) TO BE INSTALLED AS SHOWN OVER COOKING EQUIPMENT. EXTEND 14" SPIRAL DOUBLE WALL CAPTIVEAIRE GREASE DUCT AS SHOWN TO EXISTING KITCHEN EXHAUST FANS ON WALL. CAPTIVE-AIR TO PROVIDE SHOP DRAWINGS OF FINAL DUCTWORK COMPONENTS PRIOR TO PURCHASE OF THE EXHAUST DUCT SYSTEM.
12. IT IS POSSIBLE THE KEF-1 AND KEF-2 MAY BE REQUIRED TO BE SWAPPED. FURTHER FIELD INVESTIGATION WILL BE REQUIRED DURING DEMOLITION. TO CONFIRM IF THE SYSTEMS CAN REMAIN AS IS. MECHANICAL CONTRACTOR TO SCHEDULE AN ON SITE MEETING WITH ENGINEER OF RECORD TO REVIEW THIS SYSTEM ONCE CEILING TILES HAVE ALL BEEN REMOVED DURING THE DEMOLITION PHASE.
13. MECHANICAL CONTRACTOR TO MAKE 28x12 MAKE UP AIR DUCT CONNECTIONS AT HOOD AS SHOWN. MECHANICAL CONTRACTOR TO PROVIDE DAMPERS IN THE VERTICAL SUPPLY DUCTWORK ABOVE KITCHEN HOOD IN AN ACCESSIBLE SPACE. ALL SUPPLY CONNECTIONS AT HOODS TO BE EQUALLY BALANCED PER THE EXHAUST RATE ON KITCHEN HOOD SCHEDULED.
14. 22x22 RETURN AIR CONNECTION UP AT THIS LOCATION ON TO BOTTOM SIDE OF RETURN AIR DUCT AS SHOWN.
15. FRESH AIR DUCT CONNECTION TO BE TERMINATED WITH A 45° STAINLESS STEEL WEATHER CAP AND A BACK-DRAFT DAMPER. FRESH AIR DUCT TO BE BALANCED TO SCHEDULED CFM ON AIR BALANCE SCHEDULE.
16. MECHANICAL CONTRACTOR TO ROUTE MANUFACTURERS RECOMMENDED FLUE AND COMBUSTION AIR PIPE UP THROUGH ROOF AND TERMINATED PER IMC AND EQUIPMENT MANUFACTURERS STANDARDS.
17. PROVIDE ACCESS PANELS FOR FURNACE ABOVE HARD LID AT THIS LOCATION. FINAL SIZE OF ACCESS PANEL TO BE FIELD VERIFIED BASED ON SIZE OF EQUIPMENT AND ACCESS REQUIREMENTS FOR MAINTENANCE.
18. MAINTAIN EXISTING REMOVE OPERATORS FOR DAMPERS ABOVE HARD LID OR PROVIDE NEW AS REQUIRED.
19. MECHANICAL CONTRACTOR TO BE RESPONSIBLE FOR EXISTING RTU, MAU, AHU, KEF'S AND ALL EXISTING DUCTWORK TO BE CLEANED AND PREPARED FOR PROPER WORKING CONDITION. EXISTING EXTERIOR DUCTWORK TO BE PRESSURE TESTED TO ENSURE DUCTWORK IS FREE OF ANY LEAKS. EXISTING CONDENSING UNITS TO BE CHECKED FOR TOTAL REFRIGERANT CHARGE AND OTHER REGULAR MAINTENANCE ITEMS PRIOR TO SUBSTANTIAL COMPLETION. EXISTING HVAC EQUIPMENT IS NOT PERMITTED FOR USE FOR DURING CONSTRUCTION. GENERAL CONTRACTOR MUST PREPARE SPACE FOR TEMPORARY HEATING AND COOLING FOR CONSTRUCTION USE.