

**GENERAL NOTES:**

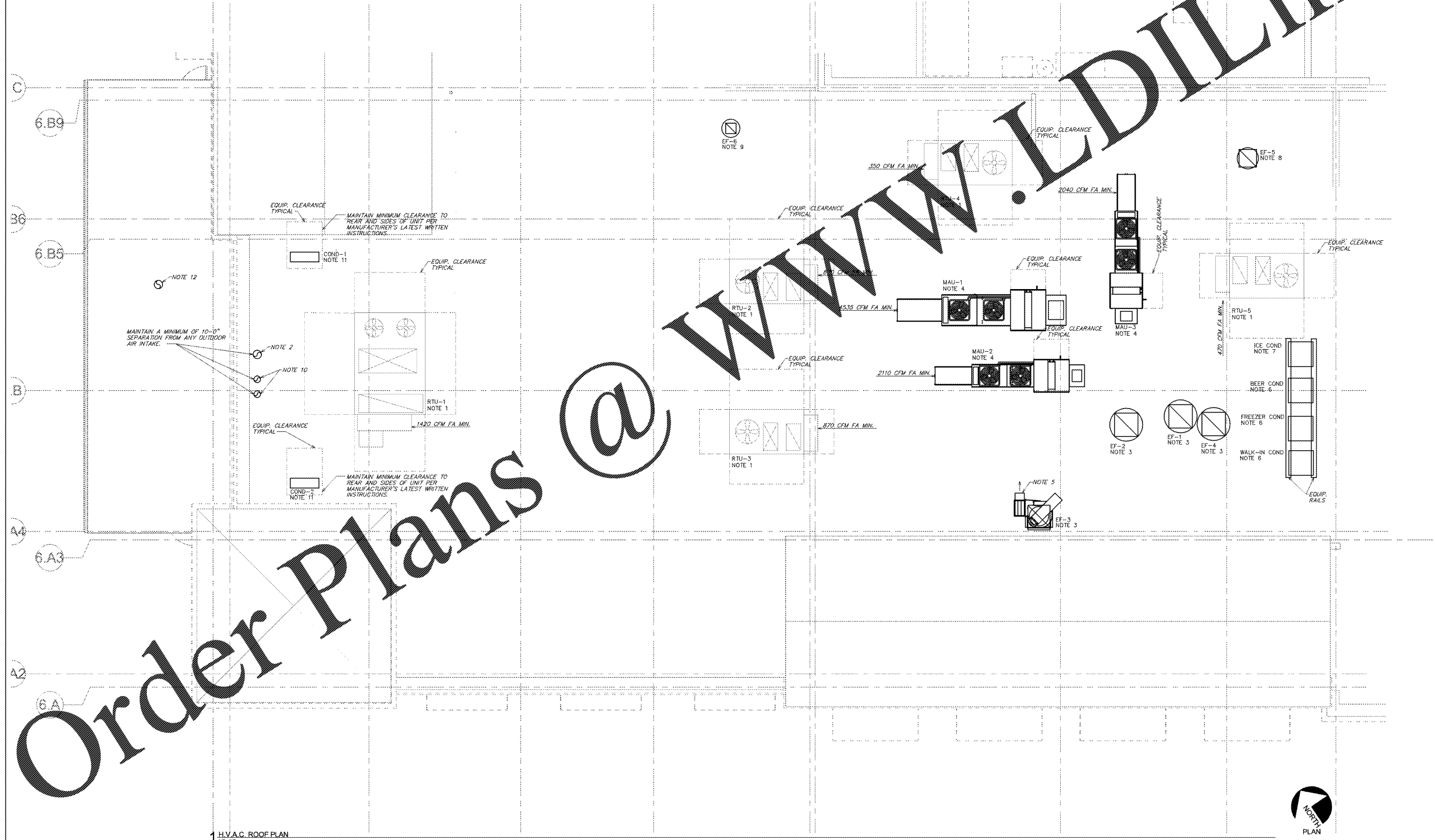
- A. THE MAXIMUM LENGTH OF FLEX DUCT TO DIFFUSERS SHALL BE 5'-0". NO FLEX DUCT SHALL BE PERMITTED ON RETURN OR EXHAUST SYSTEMS.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY ERRORS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION.
- C. AT THE COMPLETION OF CONSTRUCTION, 4800 OR 7480 CERTIFIED AIR BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER AND LANDLORD. THE BALANCE MUST BE COMPLETED BY AN INDEPENDENT, THIRD PARTY CONTRACTOR WITH NO TIES TO THE INSTALLING CONTRACTORS.
- D. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENT AND LOCAL CODES.
- E. MECHANICAL CONTRACTOR SHALL FIELD COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL POWER REQUIREMENTS.
- F. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF ALL EQUIPMENT MAY BE PROPERLY COORDINATED.
- G. ALL EQUIPMENT FURNISHED SHALL FIT THE SPACE AVAILABLE WITH CONNECTIONS IN THE REQUIRED LOCATIONS AND WITH ADEQUATE SPACE FOR OPERATING AND SERVICING. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATE THE INTENT OF THE INSTALLATION WHILE THE SPECIFICATIONS AND EQUIPMENT LIST DENOTE THE TYPE AND QUALITY OF MATERIAL AND WORKMANSHIP TO BE USED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. WHERE A CONFLICT EXISTS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE HIGHER AND/OR MORE COSTLY STANDARD WILL APPLY. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER WHOSE DECISION SHALL BE FINAL. NO ALLOWANCES WILL BE MADE SUBSEQUENTLY IN THIS REGARD ON BEHALF OF THE CONTRACTOR AFTER AWARD OF THE CONTRACT.
- H. COORDINATE DUCT ROUTING AND HEIGHTS WITH GENERAL CONTRACTOR. VERIFY ALL CLEARANCES BEFORE STARTING WORK.
- I. THE CONTRACTOR SHALL INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT AS REQUIRED TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE MAINTENANCE HEIGHTS AND REPAIR ACCESSIBLE.
- J. ALL DUCT CONNECTIONS TO HVAC EQUIPMENT MUST BE MADE WITH FLEXIBLE CONNECTORS.
- K. DO NOT ATTACH ANYTHING TO DECK ABOVE. ATTACH TO STRUCTURE (I.E. BEAMS, JOISTS) ONLY. DUCT HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE. ALL CONNECTIONS TO JOISTS SHALL BE MADE AT THE TOP CORNER.
- L. ALL DUCT DIMENSIONS INDICATED ARE CLEAR INSIDE DIMENSIONS. ALL SUPPLY AND UNTEMPERED OUTDOOR AIR DUCTWORK SHALL BE LINED WITH 1" ACoustICAL DUCT LINER OR WRAPPED WITH 1-1/2" THICK FIRE RETARDANT FIBERGLASS WITH A REINFORCED ALUMINUM FOIL JACKET AND SHALL BE APPROVED FOR USE BY SMOGMA AND MAJMA. RETURN AIR TRANSFER DUCTS AND RETURN DUCTWORK WITHIN 10 FEET OF THE UNIT FAN SHALL BE LINED WITH 1" ACoustICAL DUCT LINER.
- M. ALL SUPPLY AND UNTEMPERED OUTDOOR AIR DUCTWORK VISIBLE TO THE PUBLIC SHALL BE INTERNALLY LINED AND PAINTED TO MATCH THE SURROUNDING AREA. DUCT WRAP INSULATION IS NOT PERMITTED IN THESE AREAS.
- N. EXPOSED SPIRAL DUCT TO BE GALVANIZED FINISH, FREE FROM SCRATCHES, DENTS OR BLEMISHES AND PAINTED TO MATCH THE SURROUNDING AREA. DUCT SHALL BE INTERNALLY LINED AND SEALED WITH DUCT SEALER COMPLETELY CONCEALED WITHIN THE DUCT JOINT. NO EXPOSED SEALER OR TAPE WILL BE ACCEPTED.
- O. PROVIDE REMOTE VOLUME DAMPER CONTROL MANUFACTURED BY YOUNG REGULATOR OR UNITED ENERGY FOR DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS. LOCATE CONTROLLER ABOVE ACCESSIBLE CEILING LOCATION.
- P. MECHANICAL CONTRACTOR SHALL PROVIDE ONE (1) YEAR LABOR WARRANTY ON ALL HVAC EQUIPMENT PROVIDED AND / OR INSTALLED INCLUDING ON ALL OWNER SUPPLIED EQUIPMENT. THE WARRANTY SHALL INCLUDE ALL LABOR, MATERIALS AND THREE (3) ROUTINE SERVICES INCLUDING FILTER CHANGES DURING A ONE (1) YEAR PERIOD. ONE YEAR PARTS WARRANTY IN THROUGH THE MANUFACTURER.

- Q. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL ACCESSORIES AS REQUIRED BY MANUFACTURER FOR COMPLETE APPLICATIONS WHERE APPLICABLE.
- R. TENANT'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL UTILITY RUNS AND/OR OTHER IMPROVEMENTS LOCATED ON THE PREMISES PRIOR TO BIDDING. TENANT'S CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS RELATING TO THE RELOCATION OF, DAMAGE TO, REPAIR OF ANY EXISTING UTILITY RUNS AND/OR IMPROVEMENTS WHICH ARE DAMAGED AS A RESULT OF TENANT'S WORK IN OR AROUND THE PREMISES.
- S. ALL ROOFING WORK SHALL BE PERFORMED BY LANDLORD'S APPROVED ROOFING CONTRACTOR AT TENANT'S EXPENSE, IF REQUIRED IN LEASE OR TENANT CRITERIA MANUAL.
- T. ALL GREASE EXHAUST DUCTWORK SHALL BE PROVIDED WITH 3" FOIL FACED THERMAL-CERAMIC INSULATION FOR GREASE DUCTS. INSULATION SHALL MEET NFPA 98 AND ASTM E 2336 REQUIREMENTS.
- U. GREASE DUCT LEAKAGE TESTING MUST BE PERFORMED PRIOR TO CONCEALMENT OF THE DUCTWORK.

**HVAC NOTES:**

1. LANDLORD PROVIDED AND INSTALLED RTU. SEE SHEET NO. 01 FOR MORE INFORMATION. BALANCE PER SCHEDULE ON M1.01. FIELD VERIFY EXACT LOCATION.
2. PROVIDE 10" FIREPLACE EXHAUST AIR DUCT UP FROM FIREPLACE TO FIREPLACE POWER VENT ON ROOF. CONTRACTOR SHALL FIELD VERIFY THAT THE LOCATION SHOWN IS A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE. COORDINATE ROOF CAP PAINT COLOR WITH ARCHITECT AND OWNER. INSTALL PER FIREPLACE MANUFACTURER INSTRUCTIONS.
3. NEW TYPE-I GREASE EXHAUST FAN PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR. SEE CAPTIVEAIRE SHEETS ON M1.01-M1.03 FOR FURTHER INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY THAT THE FAN TERMINATION LOCATION SHOWN IS A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE. VERIFY EXHAUST TERMINATION IS A MINIMUM OF 40" ABOVE ROOF SURFACE AND ADJUST ROOF CURB HEIGHT AS NECESSARY. PROVIDE ROOF GREASE GUARD AS REQUIRED BY THE LANDLORD.
4. NEW MAKE-UP AIR UNIT PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR. SEE CAPTIVEAIRE SHEETS ON M1.01-M1.03 FOR FURTHER INFORMATION.
5. PROVIDE FULL SIZE EXTENSION ON EXHAUST FAN DISCHARGE AND ROUTE AND ANGLE AWAY FROM ADJACENT STRUCTURE. EXHAUST SHALL BE DISCHARGED AWAY FROM ADJACENT STRUCTURE AND SHALL BE A MINIMUM OF 5'-0" AWAY FROM ADJACENT STRUCTURE AS REQUIRED BY CODE.
6. NEW WALK-IN COOLER/FREEZER/BEER CHILLER CONDENSING UNIT PROVIDED BY KITCHEN VENDOR AND INSTALLED BY MECHANICAL CONTRACTOR.
7. NEW ICE MACHINE CONDENSING UNIT PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR. SEE CAPTIVEAIRE SHEETS ON M1.01-M1.03 FOR FURTHER INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY THAT THE FAN TERMINATION LOCATION SHOWN IS A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE.
8. PROVIDE NEW EXHAUST FAN AS NOTED ON PLANS AND SCHEDULED ON SHEET NO. 01. THE CONTRACTOR SHALL FIELD VERIFY THAT THE LOCATION SHOWN IS A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE.

10. PROVIDE 8" FIREPLACE INTAKE AIR DUCT UP FROM FIREPLACE TO ROOF CAP RATED FOR FIREPLACES. COORDINATE ROOF CAP PAINT COLOR WITH ARCHITECT AND OWNER. INSTALL PER FIREPLACE MANUFACTURER INSTRUCTIONS.
11. PROVIDE NEW SPLIT SYSTEM CONDENSING LINES FROM COND ON ROOF TO AC UNITS IN PARTIO. LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL ACCESSORIES AS REQUIRED BY MANUFACTURER FOR COMPLETE WORKING SYSTEM, INCLUDING ANY ACCESSORIES ASSOCIATED WITH LONG LENGTH APPLICATIONS WHERE APPLICABLE.
12. PROVIDE NEW GREENHECK GR51-B INTAKE CAP WITH BLOSSCREEN.



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**CONSTRUCTION DOCUMENTS**  
05/10/18

No.	Description	Date



Date: 05/10/18  
CSA # 187603790

H.V.A.C. ROOF PLAN  
**M1.02**