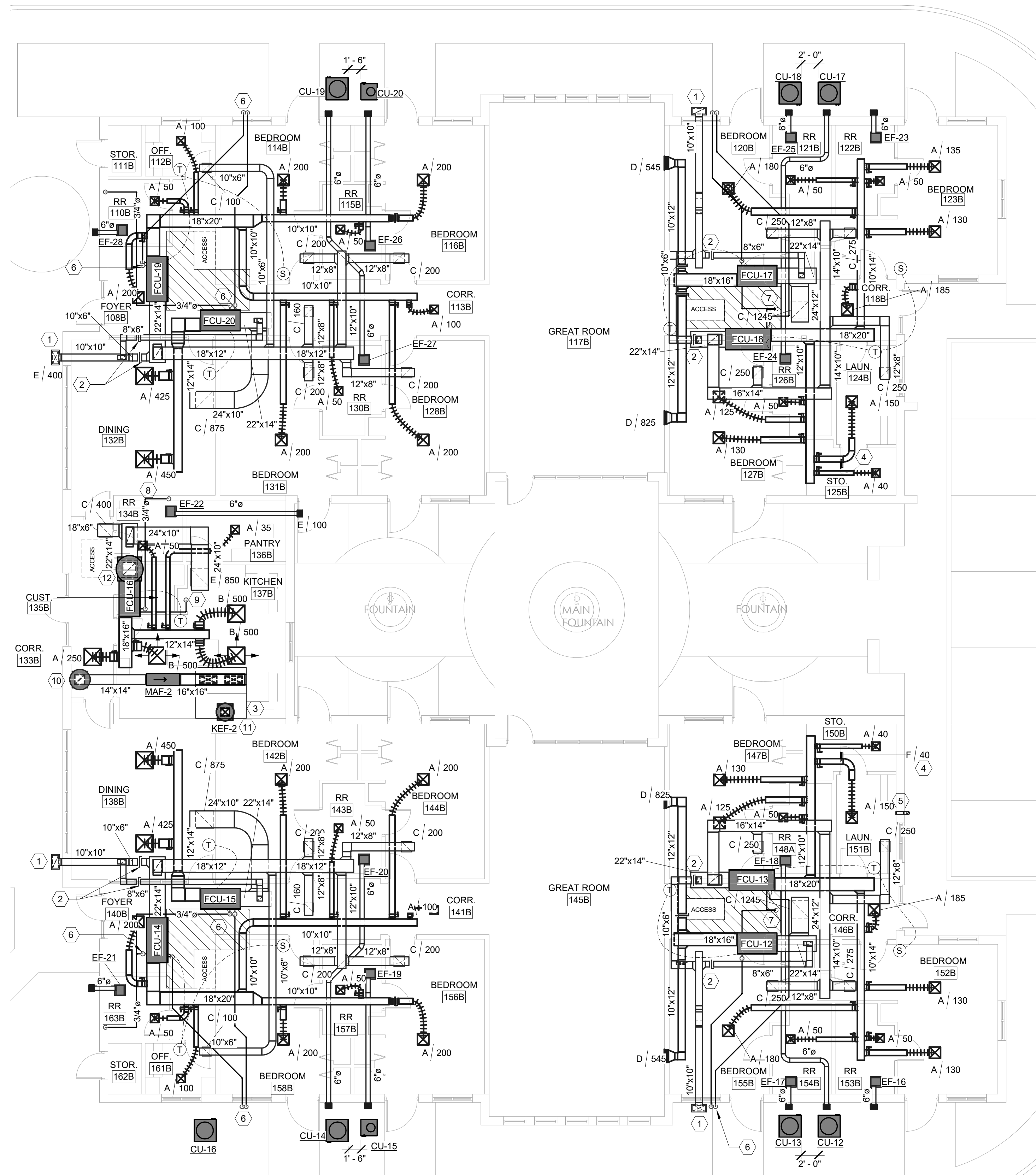


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**1 Optimum Care Mechanical Plan - East**  
 1/8" = 1'-0"

**GENERAL NOTES**

- A. SEAL ALL DUCT AND PIPE PENETRATIONS THRU EXTERIOR WALLS AND ROOF AIRTIGHT WITH WATER PROOF SEALANT.
- B. SIZE AND INSTALL REFRIGERANT PIPING AND RELATED APPURTENANCES PER MANUFACTURER'S RECOMMENDATION.
- C. COORDINATE DUCTWORK AND PIPING INSTALLATIONS WITH STRUCTURE AND OTHER DISCIPLINES.
- D. TERMINATE RESTROOM EXHAUST DUCTS AT SOFFIT IN 10"x8" FACE GRILLE, KRUEGER S80 OR EQUIVALENT UNLESS OTHERWISE INDICATED. PROVIDE BACKDRAFT DAMPER AND INSECT SCREEN AT GRILLE OUTLET.

**KEYED NOTES**

- 1. INSTALL ALUMINUM OUTSIDE AIR GRILLE IN SOFFIT. PROVIDE BACKDRAFT DAMPER AND BIRD SCREEN AT OUTSIDE AIR GRILLE INLET.
- 2. INSTALL BALANCING DAMPER TO ACHIEVE OUTSIDE AIR CFM REQUIRED BY ASSOCIATED FAN COIL UNIT. REFER TO SCHEDULES.
- 3. INSTALL NEW OWNER PROVIDED KITCHEN HOOD ACCORDING TO MANUFACTURER AND KITCHEN CONSULTANT RECOMMENDATION.
- 4. INSTALL 12"x4" RETURN GRILLE IN DOOR AS SCHEDULED.
- 5. 4" DIA RIGID METAL DRIER VENT DUCT WITH SMOOTH INTERIOR SURFACE. VENT SHALL HAVE BACKDRAFT DAMPER, POINT DOWN, AND BE A MINIMUM OF 12" ABOVE FINISHED GRADE. INSTALL AT DRIER EXHAUST PER MANUFACTURER'S INSTRUCTIONS.
- 6. TERMINATE 3/4" SECONDARY CONDENSATE DRAIN PIPE AT SOFFIT POINTING DOWN AND DRAINING TO OUTDOORS AS INDICATED.
- 7. FLOOR DRAIN AT ATTIC MEZZANINE LEVEL. COORDINATE WITH PLUMBING. ROUTE 3/4" DIA CONDENSATE PIPES TO DRAIN.
- 8. 3/4" DIA CONDENSATE DRAIN FROM FAN COIL UNIT TO SINK TAIL PIECE LOCATION AS INDICATED. COORDINATE WITH PLUMBER TO PROVIDE BAFFLE TEE TAIL PIECE ADAPTER.
- 9. ROUTE 3/4" SECONDARY CONDENSATE DRAIN FROM FAN COIL UNIT TO ABOVE SINK LOCATION. PROVIDE ESCUTHEON PLATE AT CEILING.
- 10. ROOFTOP INTAKE VENTILATOR GREENHECK MODEL GRSI SIZE 12 OR APPROVED EQUAL. INSTALL ON PITCHED ROOF ACCORDING TO MANUFACTURER SPECIFICATION. FLASH AND SEAL ALL ROOF PENETRATIONS. PROVIDE BIRD SCREEN AND BACKDRAFT DAMPER. REFER TO ARCHITECTURAL ROOF PLAN FOR FINAL LOCATION. MAINTAIN MINIMUM 10'-0" BETWEEN INTAKE AND SANITARY PLUMBING VENTS AND EXHAUST.
- 11. INSTALL KEF-1 ON ROOF WITH PITCHED ROOF CURB AS SCHEDULED. CONNECT INTO KITCHEN HOOD PROVIDED BY OWNER ACCORDING TO MANUFACTURER AND KITCHEN CONSULTANT RECOMMENDATIONS. KEF-1 EXHAUST SHALL BE MINIMUM 10'-0" AWAY FROM MAF-1 OUTSIDE AIR INLET. COORDINATE WITH ARCHITECT AND STRUCTURAL TO PENETRATE ROOF. FLASH AND SEAL ALL ROOF PENETRATIONS.
- 12. ROUTE ECONOMIZER OUTSIDE AIR DUCT THROUGH ROOF TO ROOFTOP INTAKE VENTILATOR GREENHECK MODEL GRSI SIZE 24 OR APPROVED EQUAL. INSTALL ON PITCHED ROOF ACCORDING TO MANUFACTURER SPECIFICATION. FLASH AND SEAL ALL ROOF PENETRATIONS. PROVIDE BIRD SCREEN AND BACKDRAFT DAMPER. REFER TO ARCHITECTURAL ROOF PLAN FOR FINAL LOCATION. MAINTAIN MINIMUM 10'-0" BETWEEN INTAKE AND SANITARY PLUMBING VENTS AND EXHAUST.

**HVAC LEGEND**

- NEW RETURN AIR GRILLE
- NEW SUPPLY AIR DIFFUSER
- NEW ZONE CONTROLLER OR THERMOSTAT AT 48" A.F.F.
- NEW TEMPERATURE SENSOR AT 48" A.F.F.
- EX / 0 AIR DEVICE / CFM
- NEW RIGID DUCTWORK
- NEW FLEX DUCT
- SPIN-IN VOLUME DAMPER
- KEYNOTE
- ACCESS DOOR
- ATTIC MAINTENANCE PLATFORM

**OPTIMUM CARE**  
**SUGAR LAND, TEXAS**



Revision Schedule		
#	Date	Description
10-26-18		PERMIT, PRICING, AND CONSTRUCTION
02-14-19		City Comments



Project No.  
**MECH FLOOR PLAN**  
 Sheet No.

**M1.2**