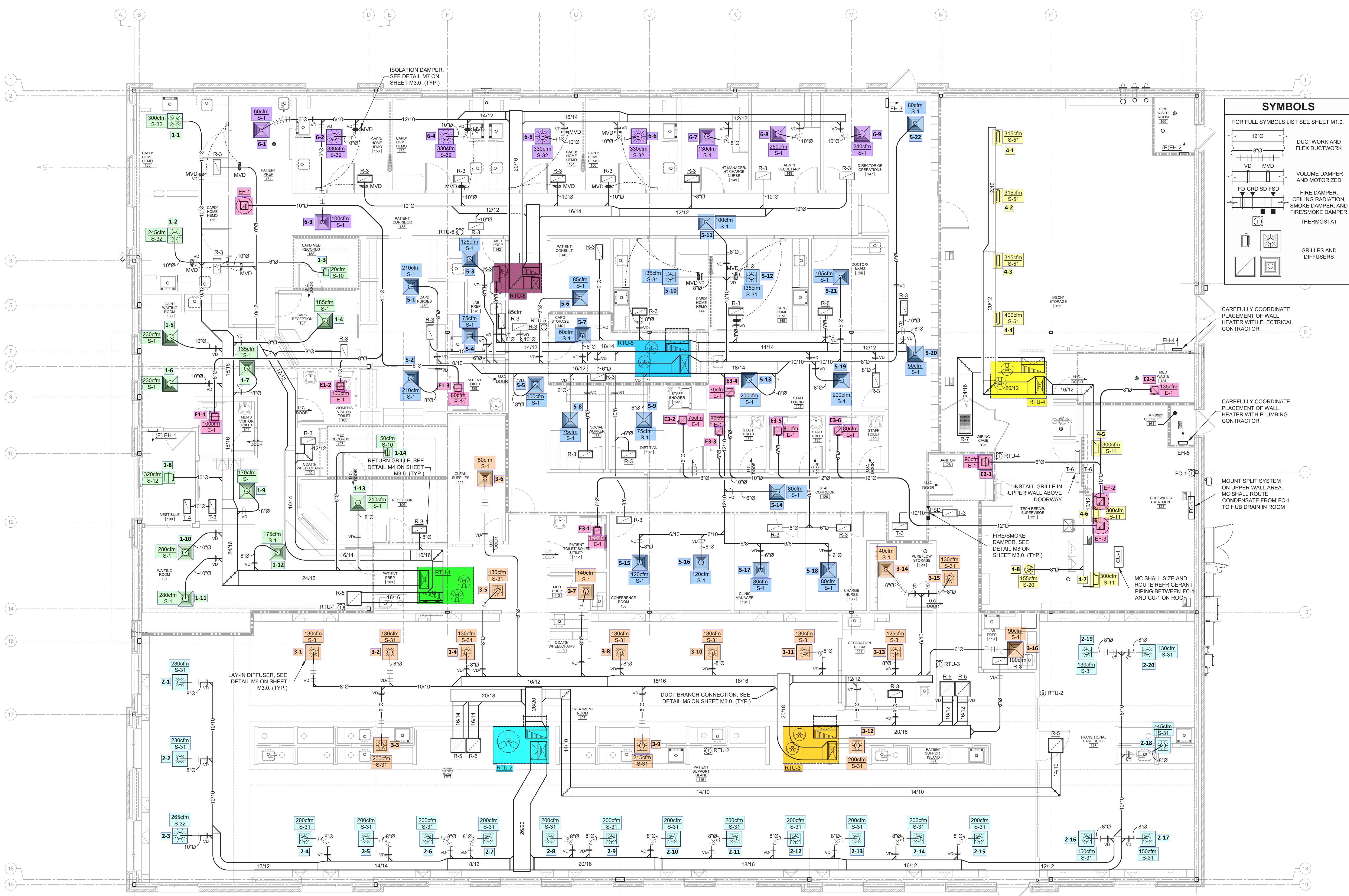


#	DATE	REVISION DESCRIPTION



SYMBOLS

FOR FULL SYMBOLS LIST SEE SHEET M1.0.

- DUCTWORK AND FLEX DUCTWORK
- VOLUME DAMPER AND MOTORIZED
- FIRE DAMPER, CEILING RADIATION SMOKE DAMPER, AND FIRE/SMOKE DAMPER
- THERMOSTAT
- GRILLES AND DIFFUSERS

CAREFULLY COORDINATE PLACEMENT OF WALL HEATER WITH ELECTRICAL CONTRACTOR.

CAREFULLY COORDINATE PLACEMENT OF WALL HEATER WITH PLUMBING CONTRACTOR.

MOUNT SPLIT SYSTEM ON UPPER WALL AREA. MC SHALL ROUTE CONDENSATE FROM FC-1 TO HUB DRAIN IN ROOM.

INSTALL GRILLE IN UPPER WALL ABOVE DOORWAY.

FIRE/SMOKE DAMPER. SEE DETAIL M8 ON SHEET M3.0. (TYP.)

MC SHALL SIZE AND ROUTE REFRIGERANT PIPING BETWEEN FC-1 AND CU-1 ON ROOF.

- GENERAL NOTES**
- ALL MECHANICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPS 364 (2015 INTERNATIONAL MECHANICAL CODE W/AMENDMENTS) AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
 - MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL HEATING, VENTILATION, AND AIR-CONDITIONING SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS. OBTAIN ALL PERMITS, FEES, AND ANY OTHER APPURTENANCES REQUIRED BY LOCAL JURISDICTIONS TO THE EXECUTION OF THE CONTRACT.
 - HVAC WORK IS INDICATED DIAGRAMMATICALLY. EXACT LOCATIONS OF HVAC EQUIPMENT AND ALL COMPONENTS ARE TO BE DETERMINED IN THE FIELD AND BY ACTUAL BUILDING CONDITIONS. EQUIPMENT, DUCTS, OR PIPES INTERFERING WITH OTHER INSTALLATIONS SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
 - ALL EXHAUST CAP LOCATIONS ARE APPROXIMATE. THE AIR DISCHARGE FROM ALL EXHAUST FANS SHALL BE A MINIMUM OF 25' (10' FROM O.A. INTAKE FOR RTU-4) FROM ANY AND ALL OUTSIDE AIR INTAKES (OR WINDOW OPENINGS) UNLESS OTHERWISE NOTED.
 - POSITION AND INSTALL SMOKE DETECTOR IN CENTRAL SUPPLY AND RETURN AIR PLENUM OF ROOF TOP UNITS AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION. INCLUDE ACCESS DOOR FOR INSPECTION AND MAINTENANCE OF SMOKE DETECTOR. SMOKE DETECTOR SUPPLIED AND WIRED FOR UNIT SHUTDOWN BY FIRE ALARM CONTRACTOR. M.C. SHALL COORDINATE WITH FIRE ALARM CONTRACTOR.
 - PROVIDE FIRE DAMPERS AND FIRE/SMOKE DAMPERS WHERE INDICATED ON PLANS AND WHERE REQUIRED BY ALL APPLICABLE CODES FOR DUCTS AND OPENINGS IN FIRE WALLS AND FIRE PARTITIONS. PROVIDE ACCESS DOORS LOCATED SO THAT DAMPER COMPONENTS MAY BE INSPECTED AND SERVICED. SEE ARCHITECTURAL SHEETS FOR ALL WALL, PARTITION, AND BARRIER TYPES AND RATINGS.
 - ROUTE BRANCH DUCTS OVER THE TOP OF MAINS BETWEEN THE STRUCTURE WHERE NEEDED TO MAINTAIN CEILING HEIGHTS SPECIFIED.
 - WHERE DUCTWORK CROSSINGS ARE SHOWN PROVIDE ALL REQUIRED TRANSITIONS/OFFSETS TO ALLOW FOR COMPLETE INSTALLATION OF SYSTEM.
 - ALL PENETRATIONS THRU SMOKE PARTITIONS SHALL BE SEALED SMOKE TIGHT.
 - ALL HOME HEMO AND CAPD ROOMS SHALL BE PROVIDED WITH YOUNG REGULATOR 401 I-HD-PC MOTORIZED DAMPERS IN DUCTS AS SHOWN. DAMPERS SHALL BE CONTROLLED BY WALL MOUNTED ON-OFF SWITCH W/ INTEGRAL SPRING WOUND TIMER.
 - ALL EXPOSED DUCTWORK LOCATED IN THE WATER TREATMENT AND/OR THE MECHANICAL STORAGE ROOM SHALL BE INSULATED WITH RIGID INSULATION. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAIL.

MVD CONTROL FOR CAPD ROOMS

THE INTENTION OF THESE CONTROLS IS TO ALLOW THE OCCUPANTS OF THE ROOM TO TEMPORARILY CUT OFF SUPPLY AND RETURN AIR TO THE ROOM WHILE TRAINING PATIENTS. WHEN THE TIMER IS OPERATING THE MOTORIZED DAMPER SHALL CLOSE SUPPLY AND RETURN AIR TO THE ROOM. WHEN THE TIMER IS NOT OPERATING AIR FLOW AS INDICATED ON THE DRAWINGS SHALL BE DELIVERED TO THE ROOM.

LIFE SAFETY DAMPER NOTE

IN ORDER TO MEET THE EXCEPTIONS LISTED IN THE IBC CODE TO OMIT LIFE SAFETY DAMPERS, SYSTEMS WHERE THE DUCTWORK PENETRATES A RATED WALL SHALL NOT CONTAIN ANY FLEX DUCT CONNECTORS OR FLEXIBLE DUCTWORK.

DUCTWORK HATCHING LEGEND

THESE HATCHES ARE ONLY FOR THE PURPOSE OF HELPING THE CLIENT DIFFERENTIATE BETWEEN SUPPLY AND RETURN DUCTWORK. THEY HAVE NO OTHER EXPLICIT OR IMPLIED MEANING.

- SUPPLY DUCTWORK HATCH
- RETURN DUCTWORK HATCH

EXISTING CONDITIONS

EXISTING PROJECT CONDITIONS, AS THEY APPEAR ON THESE DRAWINGS, SUCH AS ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-INS AND OTHER MISCELLANEOUS CONSTRUCTION, HAVE BEEN GATHERED AND TRANSFERRED FROM PREVIOUS CONSTRUCTION DRAWINGS. WHILE SUCH INFORMATION HAS BEEN COLLECTED AND INTERPRETED WITH REASONABLE CARE, THE ARCHITECT AND ENGINEER DO NOT ASSUME ANY EXPRESSED OR IMPLIED WARRANTIES THAT CONDITIONS SO INDICATED ARE ENTIRELY COMPLETE, CORRECT AND REPRESENTATIVE OF THOSE ACTUALLY EXISTING. ALL CONTRACTORS SHALL PROVE TO THEMSELVES AS TO ALL EXISTING CONDITIONS PRIOR TO BIDDING, AND VERIFY ALL DIMENSIONS AT THE SITE.

