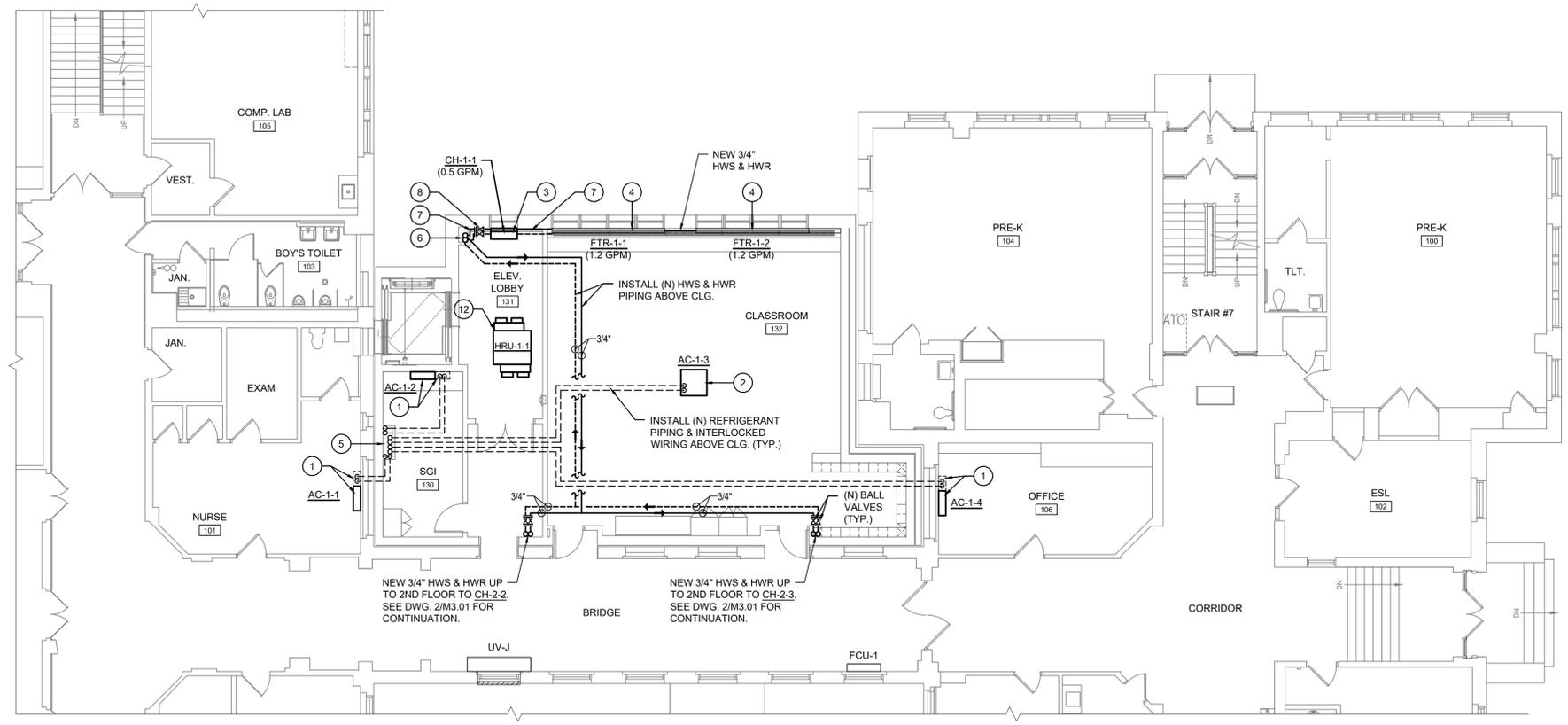


**2**  
**M3.01** 1/8" = 1'-0"  
**Partial Second Floor Mechanical Proposed Plan**

ITEM #	MECHANICAL CONSTRUCTION KEY NOTES
1	PROVIDE & INSTALL NEW VRF WALL-MOUNTED DUCTLESS SPLIT AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL REFRIGERANT PIPING, SUPPORTS, ELECTRICAL, CONTROLS, CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES. RUN NEW REFRIGERANT PIPING & INTERLOCKED WIRING DOWN IN NEW TRUNKING (ASPEN PUMPS OR APPROVED EQUAL) FROM CEILING DOWN TO BOTTOM OF AC UNIT.
2	PROVIDE & INSTALL NEW VRF CEILING-MOUNTED CASSETTE TYPE DUCTLESS SPLIT AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL REFRIGERANT PIPING, SUPPORTS, ELECTRICAL, CONTROLS, BUILT-IN CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES.
3	PROVIDE & INSTALL NEW FLOOR-MOUNTED HOW WATER CABINET HEATER OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, 4" FALSE BACK & ALL ASSOCIATED APPURTENANCES. RUN NEW 3/4" HWS & HWR MAINS CONCEALED IN FALSE BACK.
4	PROVIDE & INSTALL NEW WALL-MOUNTED HOW WATER BARE ELEMENT FTR OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL PIPING, VALVES, SUPPORTS, CONTROLS & ALL ASSOCIATED APPURTENANCES. SEE PIPING DETAIL 3/M3.02. INSTALL BEHIND NEW CASEWORK. REFER TO ARCH. DWGS.
5	NEW REFRIGERANT PIPING AND INTERLOCKED WIRING DOWN FROM 2ND FLOOR CHASE. SEE DWG. 2/M3.01 FOR CONTINUATION.
6	NEW 1-1/4" HWS & HWR PIPING UP FROM LOWER LEVEL IN CHASE TO ABOVE 1ST FLOOR CEILING & 1" HWS & HWR PIPING UP TO 2ND FLOOR CHASE. SEE DWG. 1/M2.01 & 2/M3.01 FOR CONTINUATION.
7	RUN NEW 3/4" HWS & HWR PIPING CONCEALED IN NEW METAL COVER. MANUFACTURER TO PROVIDE METAL PIPE COVER. COLOR TO BE SELECTED BY OWNER.
8	PROVIDE NEW BALL VALVES ON 3/4" HWS & HWR PIPING MAINS.
9	PROVIDE & INSTALL NEW FLOOR-MOUNTED CABINET HEATER OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, & ALL ASSOCIATED APPURTENANCES.
10	NEW REFRIGERANT PIPING AND INTERLOCKED WIRING IN CHASE DOWN FROM 3RD FLOOR CHASE TO 1ST FLOOR CEILING. SEE DWGS. 1/M3.01 & 1/M3.02 FOR CONTINUATION.
11	NEW 1" HWS & HWR PIPING UP FROM 1ST FLOOR IN CHASE TO ABOVE 2ND FLOOR CEILING & 3/4" HWS & HWR PIPING UP TO 3RD FLOOR CHASE. SEE DWG. 1/M3.01 & 1/M3.02 FOR CONTINUATION.
12	PROVIDE & INSTALL NEW HEAT RECOVER UNIT (HRU) OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL DUCTWORK, DAMPERS, LOUVERS, SUPPORTS, ELECTRICAL, CONTROLS & ALL ASSOCIATED APPURTENANCES.

- GENERAL MECHANICAL CONSTRUCTION NOTES**
- SIZES & LOCATIONS OF EXIST. MECH. EQUIPMENT, DUCTWORK, PIPING, AIR INLETS/OUTLETS, ETC. SHOWN ON DRAWINGS ARE BASED ON EXIST. DRAWINGS & SITE OBSERVATIONS, & THEY ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATIONS IN FIELD.
  - NOT ALL EXIST. DUCTWORK, PIPING & UTILITIES ARE SHOWN ON DRAWINGS. VERIFY IN FIELD.
  - GC IS RESPONSIBLE TO REMOVE EXIST. SUSPENDED CEILING GRIDS, CEILING TILES, LIGHT FIXTURES, FIRE ALARM DEVICES, ETC. TO ACCOMMODATE DEMOLITION OF EXIST. HVAC/HV EQUIPMENT, DUCTWORK, PIPING, ETC. REINSTALL TO MATCH EXIST.
  - GC IS RESPONSIBLE TO SAWCUT & CORE DRILL EXIST. WALLS / FLOORS / CLG. FOR NEW DUCTWORK / PIPING / CONDUIT PENETRATIONS. PATCH & CAULK W/ 2-HR RATED FIRESTOPPING MATERIALS.
  - ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL INSTALLATION IS THE RESPONSIBILITY OF THE GC.
  - MC IS RESPONSIBLE TO ISOLATE / SHUT-DOWN & DRAIN-DOWN EXIST. HEATING PIPING SYSTEMS TO ACCOMMODATE MECHANICAL DEMOLITION & NEW INSTALLATION. RESTORE THE SYSTEMS AFTER ALL WORK IS COMPLETE.
  - ALL NEW DDC WIRING SHALL BE INSTALLED CONCEALED ABOUT EXIST. / NEW SUSPENDED CLG. WHEREVER NEW THERMOSTAT ARE INSTALLED ON NEW WALLS. ALL NEW DDC WIRING FROM MECH. EQUIPMENT TO NEW THERMOSTATS SHALL BE INSTALLED CONCEALED IN WALLS. WHEREVER NEW THERMOSTATS ARE INSTALLED ON EXIST. MASONRY WALL, ALL NEW DDC WIRING FROM HVAC EQUIPMENT TO NEW THERMOSTATS SHALL BE INSTALLED IN WIREMOLD (COLOR TO BE SELECTED BY OWNER).
  - GC IS RESPONSIBLE TO PROPERLY PROTECT EXIST. FLOORS, WALLS, CEILING, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION. ALL DAMAGED ITEMS SHALL BE REPAIRED/REPLACED AT EXPENSE OF THE GC.
  - ALL EXIST. DUCTWORK & AIR INLETS/OUTLETS THAT ARE SHOWN TO REMAIN & BE REUSED SHALL BE VACUUM-CLEANED THOROUGHLY TO BE FREE OF DUST & DEBRIS. PROVIDE PHOTO DOCUMENTATION BEFORE & AFTER CLEANING.



**1**  
**M3.01** 1/8" = 1'-0"  
**Partial First Floor Mechanical Proposed Plan**

