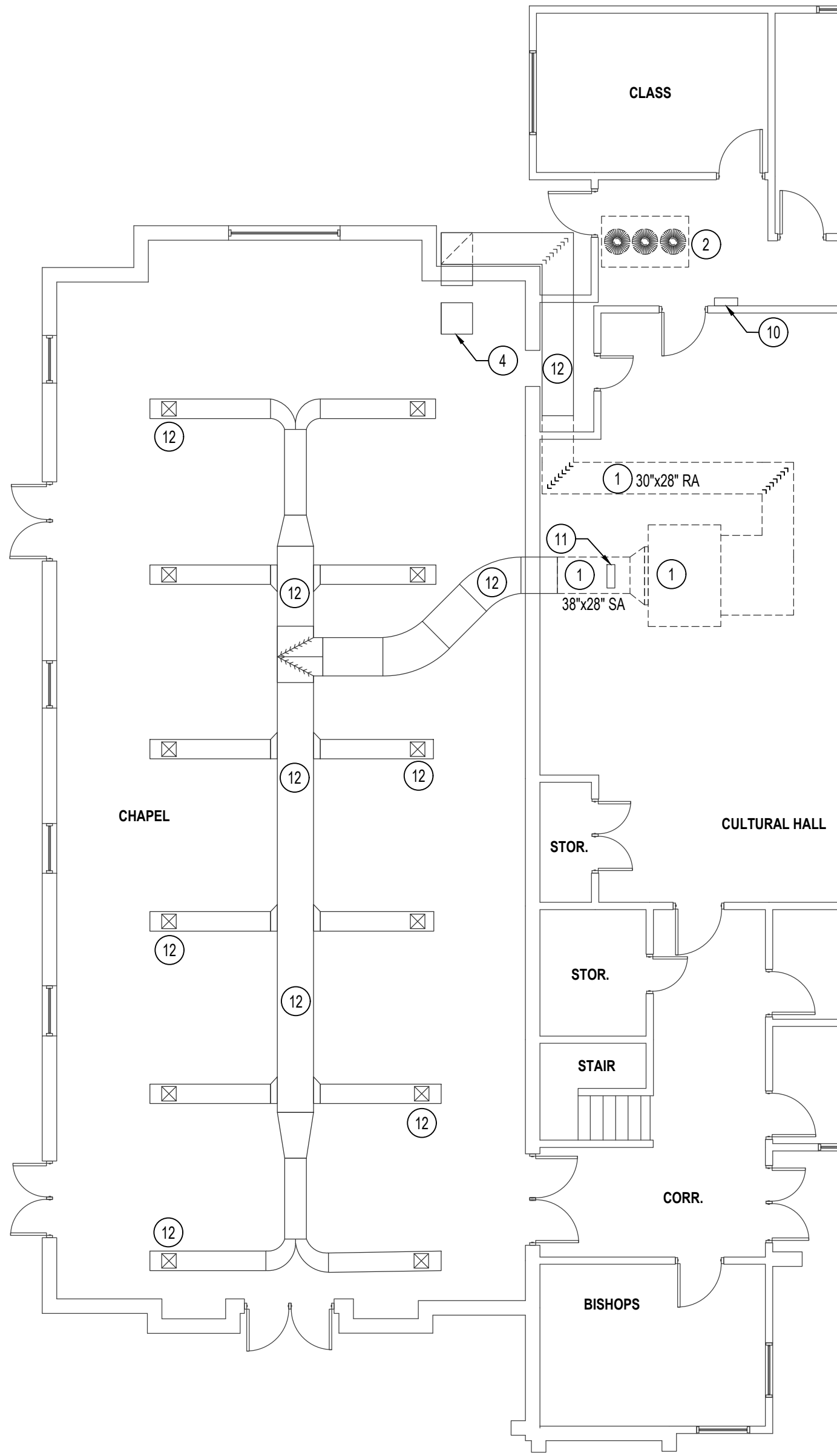
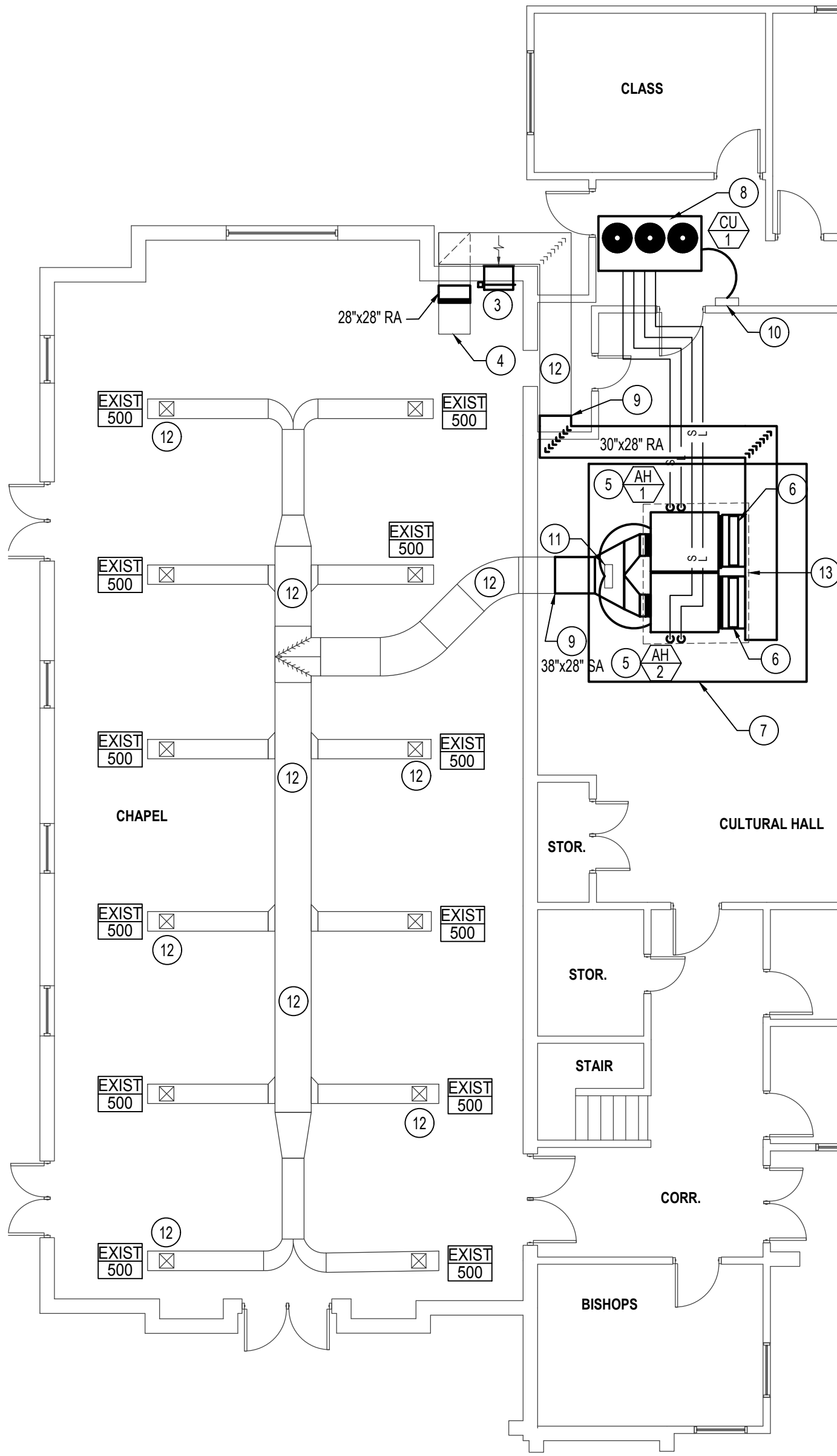


F:\22\2027 LDS Maywood CA Chapel HVAC\2027 LDS Maywood M-1.dwg Apr 08, 2022 - 2:45pm



FLOOR PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



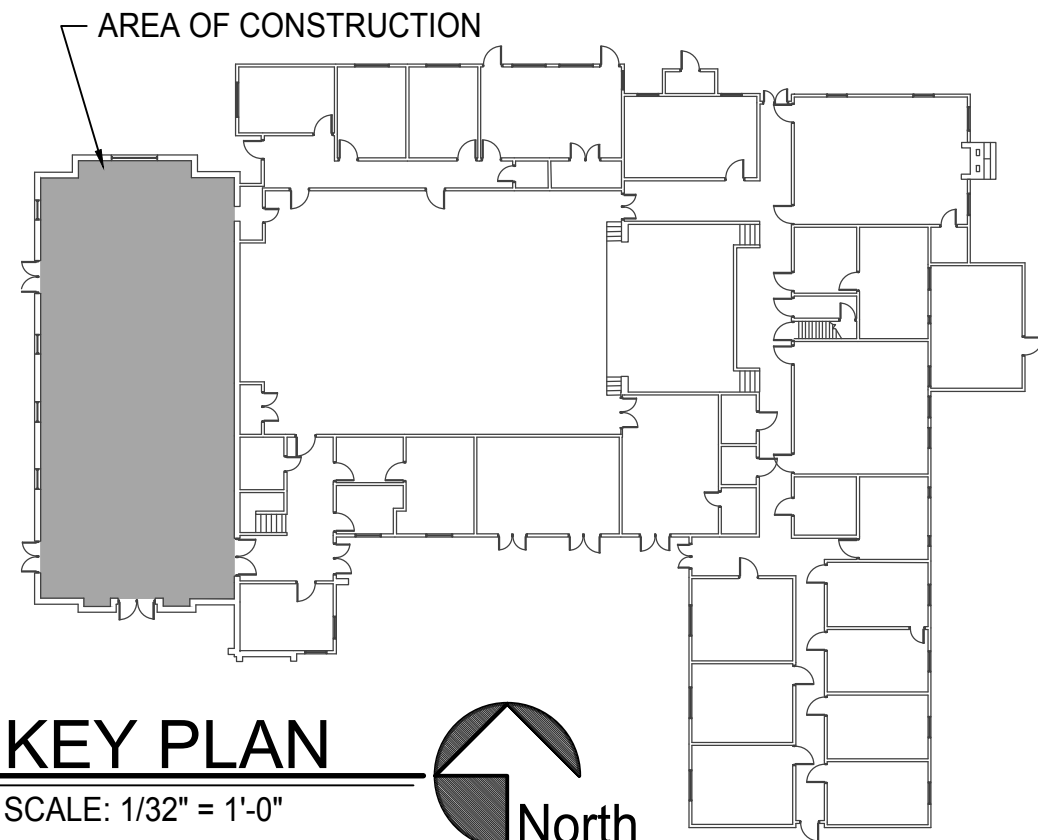
MECHANICAL / ELEC. FLOOR PLAN

SCALE: 1/8" = 1'-0"



PLAN NOTES:

- 1 DISCONNECT ELECTRICAL AND CONTROL WIRING CONNECTIONS AND REMOVE EXISTING AIR HANDLING UNIT AND ASSOCIATED DUCTWORK ABOVE CEILING. REMOVE DEMOLISHED ITEMS FROM SITE.
- 2 DISCONNECT ELECTRICAL CONNECTION AND REMOVE EXISTING CONDENSING UNIT ON ROOF. REMOVE DEMOLISHED ITEMS FROM SITE. PUMP DOWN R-22 REFRIGERANT AND DISPOSE OF PROPERLY.
- 3 PROVIDE 24"x24" OUTSIDE AIR LOUVER IN EXISTING WALL OR DOOR. PROVIDE SLEEVE WITH HAND AND MOTORIZED DAMPERS. MOTORIZED DAMPER TO OPEN WHEN RETURN AIR FAN IS OPERATIONAL. PROVIDE 24V TRANSFORMER AND CONNECT TO RETURN AIR FAN POWER. BALANCE HAND DAMPER TO 1450 CFM OUTSIDE AIR WHEN FAN IS ON.
- 4 EXISTING RETURN AIR FAN TO BE REFURBISHED AND MADE OPERATIONAL. FAN SHALL TURN ON WITH AIR HANDLING UNITS AH-1 AND AH-2. CONNECT FAN OUTLET TO EXISTING 28"x 28" RETURN AIR DUCT. PROVIDE FLEXIBLE CONNECTION AT FAN. VERIFY SIZE AND LOCATION OF DUCTWORK AND CLEAN PRIOR TO CONNECTING NEW DUCT.
- 5 INSTALL NEW AIR HANDLING UNIT. SUSPEND UNIT FROM EXISTING STRUCTURE PER DETAIL. CONNECT TO EXISTING CHAPEL THERMOSTAT. PROVIDE FLEXIBLE DUCT CONNECTIONS AT SUPPLY AND RETURN AIR DUCT OPENINGS. CONFIRM UNITS WILL FIT THROUGH DOORWAYS AND PATHWAYS PRIOR TO ORDERING.
- 6 PROVIDE RETURN AIR FILTER BOXES ON INLET OF AIR HANDLING UNIT PER DETAIL.
- 7 INSTALL 3/4" FIRE-RATED PLYWOOD DECKING BELOW AIR HANDLING UNITS FOR ACCESS AND MAINTENANCE.
- 8 INSTALL CONDENSING UNIT ON ROOF IN PLACE OF OLD UNIT. RUN TWO (2) SUCTION AND TWO (2) LIQUID REFRIGERATION LINES TO RESPECTIVE AIR HANDLING UNITS. SEAL EXTERIOR WALL PENETRATIONS LIQUID TIGHT. PROVIDE REQUIRED CLEARANCES. EXTEND EXISTING PLATFORM AS REQUIRED FOR NEW UNIT. SECURE UNIT PER CODE AND MANUFACTURER'S REQUIREMENTS.
- 9 CONNECT NEW DUCTWORK TO EXISTING. PROVIDE ADEQUATE SPACE TO ALLOW FOR THE MINIMUM REQUIRED MAINTENANCE PER MANUFACTURER.
- 10 EXISTING NEMA 3R FUSED DISCONNECT TO REMAIN. REMOVE CONDUCTORS FROM DISCONNECT TO EXISTING CONDENSING UNIT. PROVIDE 3#1 CONDUCTORS WITH GROUND IN 1-1/4" CONDUIT TO CU-1. REPLACE FUSES TO MATCH SIZE REQUIRED BY NEW CONDENSING UNIT, CU-1.
- 11 EXISTING FUSED COMBINATION STARTER / DISCONNECT TO REMAIN. REMOVE CONDUCTORS FROM DISCONNECT TO EXISTING FAN COIL UNIT. PROVIDE 3#10 CONDUCTORS WITH GROUND IN 3/4" CONDUIT TO AH-1 AND AH-2. REPLACE FUSES TO MATCH SIZE REQUIRED BY NEW AIR HANDLING UNITS AH-1 AND AH-2.
- 12 EXISTING DUCTWORK TO REMAIN. PROTECT IN PLACE. FIELD VERIFY DUCT SIZES. REBALANCE OUTLETS PER THE NOTED CFM.
- 13 RE-USE EXISTING DRAIN PAN IF POSSIBLE. CONNECT CONDENSATE LINE TO EXISTING.



KEY PLAN

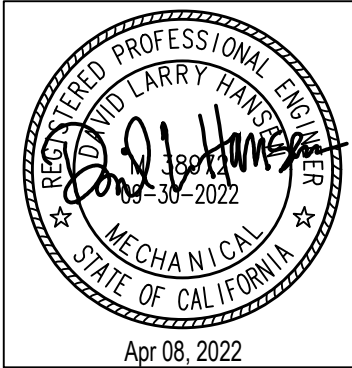
SCALE: 1/32" = 1'-0"



PROJECT: HVAC RENOVATIONS FOR: PROPERTY # 500-4004

LDS MAYWOOD 2ND WARD
4407 RANDOLPH ST. MAYWOOD, CA

SHEET TITLE: MECHANICAL FLOOR PLANS



DRWN. BY:	CKD. BY:
JS	DH
JOB NO.	DATE:
22027	04/08/2022

SHEET:
M-1
OF: 2



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