

HVAC RECONDITIONING NOTES

INSPECT AND TEST EXISTING ROOFTOP UNITS FOR NECESSARY REPAIRS AND RECALIBRATIONS. CLEAN ALL COMPONENTS OF BUILT UP DIRT AND OIL/GREASE. LUBRICATE ALL MOVING COMPONENTS AND BEARINGS AS PER MANUFACTURER'S MAINTENANCE INSTRUCTIONS. CHECK REFRIGERANT AND OIL LEVELS AND ADD AS REQUIRED. REPAIR WITH MANUFACTURER'S INFORMATION. REPORT ANY DEFICIENCIES TO OWNERS CONSTRUCTION PROJECT MANAGER.

REPAIR DRIVE BELTS FOR ALL BELT DRIVEN MACHINERY AND LUBRICATE ALL BEARINGS TO INCLUDE SUPPLY FANS, EXHAUST FANS, PUMPS, COMPRESSORS, ETC. RECALIBRATE, REPAIR AND/OR REPLACE AUTOMATIC TEMPERATURE CONTROL SYSTEMS COMPONENTS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.

REPLACE EXISTING AIR FILTERS WITH NEW MERV-13 FILTERS AND FRAME

MECHANICAL SPECIFICATIONS

1. WORK INCLUDED
 - A. PROVIDE THE MECHANICAL SYSTEM AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. THE MECHANICAL SYSTEM SHALL INCLUDE: HVAC UNITS, & FANS WITH MAGNETIC STARTERS, THERMOSTAT CONTROLS, DUCT AND INSULATION, GRILLES, LOUVERS AND REGISTERS, AIR BALANCING (COMPLETE BALANCE PER SMACNA STANDARDS), GUARANTEES AND RECORD DRAWINGS, CEILING/FLOOR/WALL HINGED ACCESS PANELS FOR EQUIPMENT, FIRE/SMOKE DAMPERS, HVAC UNITS FOR SERVICE & MAINTENANCE.
 - B. THE CONTRACTOR SHALL OBTAIN PERMITS AND PLAN CHECK.
2. REFERENCE STANDARDS

SMACNA, TITLE-24, ARI, NFPA, UFC, CMC, CPC, CBC, ASHRAE STANDARDS AND LOCAL ORDINANCES.
3. DUCT SUPPORTS

ALL DUCTS SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMAN LIKE MANNER. DUCT SUPPORTS SHALL BE IN ACCORDANCE WITH THE SMACNA MANUALS AND CMC, 2022.
4. CLEANING

ALL DUCTWORK SHALL BE CLEANED OF ALL DUST AND DEBRIS BOTH INTERNALLY AND EXTERNALLY BEFORE PLACING IN OPERATION.
5. DUCT CONSTRUCTION

AIR HANDLING DUCTS AND PLENUMS SHALL BE SEALED IN ACCORDANCE WITH THE SMACNA DUCT CONSTRUCTION STANDARDS, AND SHALL BE INSTALLED AND INSULATED IN COMPLIANCE WITH CMC, CHAPTER 6, 2022 AND TITLE 24 MANDATORY MEASURES. DUCTS SHOWN ON DRAWINGS ARE SHEET METAL DUCTS, SIZE AT .008" TO 0.1" FRICTION LOSS PER 100' OF DUCT. ALL HEATING OR COOLING DUCTWORK EXPOSED TO WEATHER SHALL BE LINER IN ACCORDANCE WITH CHAPTER 6 OF CMC, 2022. VENTILATION DUCTS SHALL BE CONSTRUCTED, INSTALLED AND SEALED AS PROVIDED IN CHAPTER 6 OF CMC, 2022.
6. SUBMITTALS
 - A. SUBMITTALS FOR APPROVAL IN ACCORDANCE WITH THE GENERAL REQUIREMENTS FOR MECHANICAL WORK SHALL INCLUDE SHOP DRAWINGS AND LITERATURE REGARDING THE FOLLOWING: HVAC UNITS, FANS, GRILLES, LOUVERS, DIFFUSERS AND REGISTERS.
 - B. PROVIDE A WRITTEN WARRANTY FOR THE WORK FOR ONE YEAR AFTER ACCEPTANCE. FURNISH STANDARD MANUFACTURE'S CERTIFICATES, ACCEPTANCE.
 - C. OPERATION AND MAINTENANCE MANUALS: A MINIMUM OF FIVE COPIES OF MANUALS SHALL BE SUBMITTED FOR ACCEPTANCE PRIOR TO FINAL COMPLETION OF THE WORK.
 - D. THE CONTRACTOR SHALL SUBMIT ONE COMPLETE SET OF AS-BUILT DRAWINGS UPON COMPLETION OF WORK TO THE OWNER. THESE DRAWINGS SHALL BE PREPARED IN AUTOCAD 2016 FORMAT AND STAMPED BY MECHANICAL ENGINEER. AN AUTOCAD FILE OF THE COMPLETE JOB SHALL ALSO BE GIVEN TO THE OWNER.
 - E. SUBMIT 3 COMPLETE AIR BALANCE REPORTS TO THE TENANT AT THE END OF JOB.
7. PRODUCTS
 - A. ALL MATERIAL AND SPECIALTIES REQUIRED FOR THE WORK SHALL BE NEW, OF FIRST CLASS QUALITY, AND SHALL BE FURNISHED AND DELIVERED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL, AND SHALL BE SO SELECTED AND ARRANGED AS TO FIT PROPERLY INTO THE BUILDING SPACES ALLOTTED.
 - B. ALL HVAC UNITS AND FANS SHALL BE EQUIPPED WITH THERMAL OVER CURRENT PROTECTION, UL LISTED.
 - C. REFRIGERANT PIPING & CONNECTIONS SHALL BE MADE WITH TYPE "K" HARD DRAWN COPPER TUBING, CLEARLY CLEANED FOR REFRIGERANT SERVICE, PECEDED SOLDER JOINT FITTINGS OF WROUGHT COPPER, ASSEMBLED WITH SILFOS IN AN ATMOSPHERE OF DRY NITROGEN USING NO FLEX, INSULATED AND WRAPPED WITH VAPOR BARRIER MATERIAL PER CODE.
8. INSTALLATION OF EQUIPMENT

INSTALLATION PROCEDURES SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS AND THE CONTRACT DOCUMENTS AS HERINBEE SPECIFIED. CONTRACTOR SHALL FURNISH ALL REQUIRED VALVES, UNIONS, SUPPORTS AND OTHER REQUIRED MISC. DEVICES. PROVIDE REQUIRED CLEARANCES FOR SERVICES (MINIMUM 42" CLEAR ON CONTROL SIDE).
9. VIBRATION ISOLATION

ALL EQUIPMENT UNDER THIS SECTION OF THE WORK SHALL BE INSTALLED IN SUCH A MANNER THAT UNDER ALL CONDITIONS OF LOAD IT SHALL OPERATE WITHOUT SOUND OF OPERATION WHICH IS OBJECTIONABLE IN THE OCCUPIED SPACES IN THE OPINION OF THE ARCHITECT. ALL EQUIPMENT SHALL BE PROPERLY VIBRATION ISOLATED WITHIN THE MANUFACTURER UNIT SYSTEM AND ALL UNITS SHALL BE MOUNTED ON ISOLATION PADS SO AS TO PREVENT METAL TO METAL CONTACT BETWEEN EQUIPMENT AND BUILDING STRUCTURE.

MECHANICAL GENERAL NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE UNIFORM MECHANICAL CODE, UNIFORM BUILDING CODE, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING CALIFORNIA ENERGY CONSERVATION STANDARDS DIVISION T-24.
2. COORDINATE ENTIRE INSTALLATION OF THE H.V.A.C. SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
3. COORDINATE THE LOCATION OF ALL REGISTERS WITH THE ARCHITECTURAL PLANS, AND ARCHITECTURAL ROOM ELEVATIONS.
4. CONSTRUCTION FILTERS: CONTRACTOR SHALL PROVIDE 2 SETS OF DISPOSABLE FILTERS FOR USE DURING START UP AND TEST AND BALANCE. UPON COMPLETION OF TEST & BALANCE THE CONSTRUCTION FILTERS SHALL BE REPLACED WITH NEW FILTERS.
5. FLASHING FOR MECHANICAL EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS, UNLESS NOTED OTHERWISE.
6. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
7. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
8. CONTROL SCHEMATICS ARE FOR SEQUENCE ONLY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ALL ELECTRICAL DEVICES REQUIRED.
- A) ALL AIR CONDITIONING UNIT SUPPLY FANS SHALL BE WIRED FOR CONSTANT BLOWER OPERATION.
- B) ALL LOW VOLTAGE WIRING, INCLUDING FINAL CONNECTIONS TO CONTROL DEVICES AND EQUIPMENT, SHALL BE AS INDICATED ON THE MECHANICAL DRAWINGS. ALL LOW VOLTAGE WIRING SHALL BE A MINIMUM OF SOLID FOURTEEN (14) GAUGE COPPER. ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT AS PART OF THE WORK IF THIS SECTION, CONDUIT SHALL BE AS INDICATED ON THE ELECTRICAL DRAWINGS OR AS SPECIFIED IN THE ELECTRICAL SECTION OF THE SPECIFICATIONS.
- C) ALL CONDUIT FOR LINE AND LOW VOLTAGE WIRING INCLUDING FINAL CONNECTIONS, SHALL BE AS INDICATED ON THE ELECTRICAL DRAWINGS OR SPECIFIED IN THE ELECTRICAL SECTION OF THE SPECIFICATIONS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS OF ALL GOVERNING BODIES HAVING JURISDICTION THEREOF.
9. ALL DUCT SIZES ARE NET INSIDE DIMENSIONS.
10. PIPING SHALL BE INSULATED IN ACCORDANCE WITH TABLE 1-G, SECTION 12(A) OF EES.
11. A 120-VOLT RECEPTACLE SHALL BE PROVIDED WITHIN 25 FT. OF THE EQUIPMENT FOR SERVICE AND MAINTENANCE PURPOSED.
12. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, SEALED AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTOR NATIONAL ASSOCIATION, 2022 CMC, CHAPTER 6 & TITLE 24.
13. ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION. REFER TO GBC TITLE NO. 24, PART 2, TABLE 16A-0 FOR EXACT REQUIREMENTS.
14. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL GRILLES AND REGISTERS.
15. FOR WALL PENETRATION DETAILS AND REQUIREMENTS SEE ARCHITECTURAL & STRUCTURAL DRAWINGS.
16. CONCEALED DUCTWORK HANDLING CONDITIONED AIR SHALL BE INSULATED OR LINED PER T-24 AND CMC. ALL DUCT JOINTS SHALL BE SEALED PER CODE.
17. ALL HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH EFFICIENCY STANDARDS PER TITLE 24.
18. FIRE OR FIRE AND SMOKE DAMPERS SHALL BE INSTALLED AT ALL PENETRATION OF FIRE RATED WALL OR CEILING OR FLOOR ON PENETRATION. THEY SHALL BE UL LISTED AND STATE FIRE MARSHALL APPROVED. PROVIDE CEILING OR WALL ACCESS AS REQUIRED FOR SERVICE.
19. EXHAUST TERMINATION SHALL BE MINIMUM 10 FT. AWAY FROM ANY FRESH AIR INTAKE, OPENABLE WINDOWS, DOORS, AND ABOVE GRADE.
20. ALL MATERIAL AND EQUIPMENT PROVIDED AND OR INSTALLED UNDER THIS SECTION OF THE SPECIFICATION SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE ON FINAL ACCEPTANCE OF THE WORK BY OWNER WHICH SHALL COVER EQUIPMENT FAILURE, DEFECTIVE MATERIALS, OR FAULTY WORKMANSHIP. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE CAUSED BY LEAKS OR BREAKS OF EQUIPMENT, EXCESSIVE NOISE INSTALLED UNDER THIS SECTION.
21. INSULATE REFRIGERANT AND CONDENSATE PIPING WITH ARMSTRONG ARMALFLEX INSULATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS FOR A PROVIDE CHILDERS ALUMINUM WEATHERPROOF JACKET ON ALL INSULATION EXPOSED TO THE WEATHER.
22. THIS CONTRACTOR SHALL VERIFY ELECTRICAL SERVICE, AND VOLTAGE, W/ THE ELECTR. CONTRACTOR PRIOR TO PURCHASING OF ANY HVAC UNITS AND FANS.
23. THE CONTRACTOR SHALL SUBMIT ONE COMPLETE SET OF AS-BUILT DRAWINGS IN AUTO CAD FORMAT (LATEST VERSION) TO THE OWNER. THESE DRAWINGS SHALL BE IN REPRODUCIBLE PAPER, STAMPED AND SIGNED BY A MECHANICAL ENGINEER. AN AUTO CAD FILE OF THE COMPLETED JOB SHALL ALSO BE GIVEN TO THE OWNER.
24. VOLUME DAMPERS SHALL BE PROVIDED AND INSTALLED ON ALL SUPPLY, RETURN AND EXHAUST DUCTS AS REQUIRED FOR PROPER BALANCING OF THE SYSTEM. DAMPER SHALL BE FABRICATED THE SAME MATERIAL AS DUCT SYSTEM SERVED. FOR HANG CEILINGS, PROVIDE "VENTLOK" REMOTE DAMPER CONTROLS WITH METER GEAR, CONCEALED DAMPER REGULATOR, AN EXTENSION ROPE WITH UNIVERSAL JOINT.
25. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLAN CHECK, PERMIT AND OTHER REQUIRED FEES.
26. SHUTOFF FOR SMOKE CONTROL - 2022 CMC.
- AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2,000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN BUILDINGS SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR-MOVING EQUIPMENT UPON DETECTION OF SMOKE IN THE MAIN SUPPLY-AIR DUCT SERVED BY SUCH EQUIPMENT. SMOKE DETECTORS SHALL BE LABELED BY AN APPROVED AGENCY FOR AIR-DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VELOCITIES, PRESSURE, AND DUCT SIZES. AUTOMATIC SHUTOFF SHALL NOT BE ACTIVATED BY FIRE DETECTION OR ALARM SYSTEMS. THE SMOKE DETECTORS PROVIDED FOR THE BUILDING'S SMOKE DETECTORS REQUIRED BY THIS SECTION SHALL BE SUPERVISED BY SUCH SYSTEMS. COORDINATE W/FIRE PROTECTION CONTRACTOR.
27. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO OBTAIN WRITTEN APPROVAL OF FROM BUILDING OWNER OR LANDLORD REGARDING WALL/ROOF TERMINATION OF ANY EXHAUST OR MAKEUP AIR SYSTEM. ALL WORK TO BE DONE UNDER THIS CONTRACT SHALL BE APPROVED BY THE LANDLORD OR ARCHITECT PRIOR TO STARTING OR FABRICATING ANY WORK.
28. THIS CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH STRUCTURAL PLANS REGARDING EXACT LOCATION AND SUPPORTS OF ANY HVAC EQUIPMENT. DO NOT SCALE DRAWINGS. LOCATION SHOWN ON PLANS IS ONLY Schematic.
29. AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS SHALL BE INSULATED AND INSTALLED PER 2022 T-24 SECTION 120.4(4). R-8 INSULATION IS REQUIRED. FLEXIBLE AIR CONNECTOR SHALL NOT BE MORE THAN 5 FT. TO BE INSTALLED AT EACH AIR DIFFUSER DEVICE WITH VD. NOT FLEX DUCTS IS ALLOWED.

HVAC LEGEND

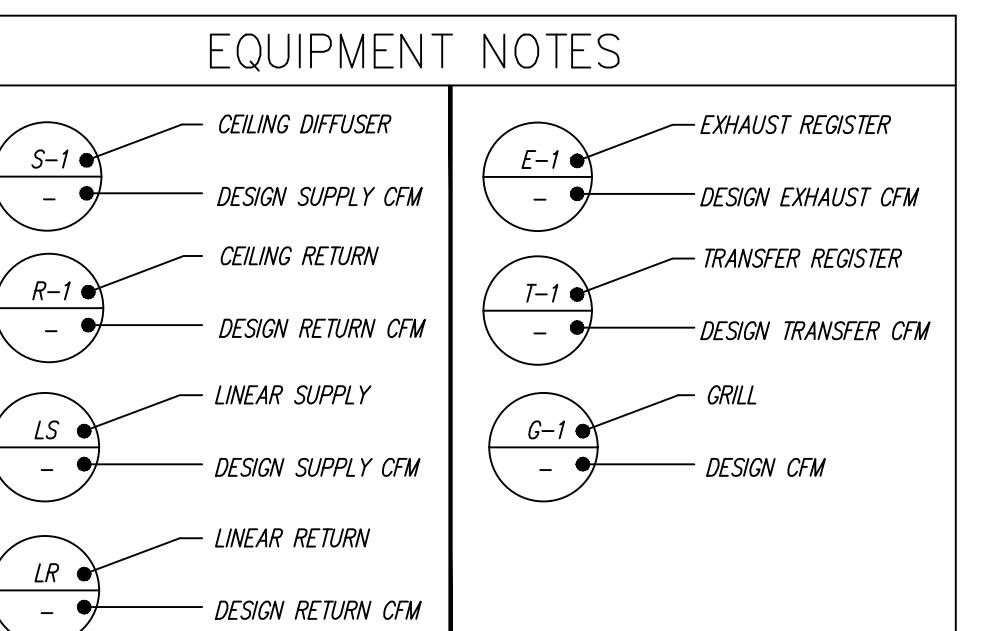
SYMBOL	ABB.	DESCRIPTION
SAD		AIR SUPPLY DUCT
RAD		RETURN AIR DUCT
OSA		OUTSIDE AIR
EAD		EXHAUST AIR DUCT
CA		COMBUSTION AIR
(L)		LINED DUCTWORK
CD		CEILING DIFFUSER
RAR		RETURN AIR REGISTER
EAR		EXHAUST AIR REGISTER
RCD		ROUND CEILING DIFFUSER
SWS		SIDEWALL SUPPLY REGISTER
SWR		SIDEWALL RETURN REGISTER
VTR		VENT THRU ROOF
FC		FLEXIBLE CONNECTION
MVD		MANUAL VOLUME DAMPER
QBD		QUADRANT BALANCING DAMPER
DL		DOOR LOUVER
UC		UNDERCUT DOOR
(⑧)		THERMOSTAT/BY-PASS TIMER
S/M		SHOOTER
S/S		STAINLESS STEEL
FD		FIRE DAMPER
SF		COMBINATION SMOKE AND FIRE DAMPER
SD		SMOKE DETECTOR
FAU		FORCED AIR UNIT
AP		ACCESS PANEL
B.D.D.		BACH DRAFT DAMPER
CFM		CUBIC FEET PER MINUTE
COND.		CONDENSATE
D.B.		DRY BULB
DN		DOWN
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR
S&R		SUPPLY & RETURN
CDW		CONDENSING WATER
EF		EXHAUST FAN
E.S.P.		EXTERNAL STATIC PRESSURE
AFF		ABOVE FINISH FLOOR
FT.		FEET
GC		GENERAL CONTRACTOR
HP		HORSEPOWER
IN.		INCHES
KW		KILOWATTS
OSA		OUTSIDE AIR
VO		VOL. DAMPER
POC		POINT OF CONNECTION
ATD		AIR TRANSFER DUCT

ELECTRICAL NOTES

1. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO VERIFY ELECTRICAL SERVICE, VOLTAGE & PHASE REQUIREMENTS PRIOR TO PURCHASING OF ANY HVAC UNITS, FANS OR ANY OTHER EQUIPMENT. ELECTRICAL SERVICE (VOLTAGE & PHASE) TO ANY EQUIPMENT SHALL BE THE COMPATIBLE AND SAME.
2. (E) INDICATES ITEMS PROVIDED BY, AND INSTALLED BY THE ELECTRICAL CONTRACTOR, AND SPECIFIED IN THE ELECTRICAL SECTIONS OF THE SPECIFICATIONS.
3. (M) INDICATES ITEMS PROVIDED BY, AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND SPECIFIED IN THE MECHANICAL SECTIONS OF THE SPECIFICATIONS.

COORDINATION NOTES

ALL SUBCONTRACTORS MUST REVIEW THE COMPLETE SET OF PLANS, INCLUDING SPECIFICATIONS. THE DRAWINGS TO BE REVIEWED ARE FOR ALL CONSTRUCTION DISCIPLINES: ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, LANDSCAPE, CIVIL, DRAWING, UPON SPACE COORDINATION AND STRUCTURAL SUPPORTS AND LOCATION. PRIOR TO COMMENCE WORK, CONTRACTOR SHALL NOTIFY ALL CONTRACTORS. CONTRACTOR SHALL ALSO VERIFY ALL CONDITIONS, INCLUDING LOCATION OF EXISTING WATER, GAS, WASTE/SEWER LINES & ELEVATION. CONTRACTORS MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK. CONDITIONS SHOWN ON THE PLANS RELATIVE TO THE WORK TO BE PERFORMED AND BASED ON THE BEST INFORMATION AVAILABLE BUT ARE SUBJECT TO VERIFICATION. VERIFY LOCATIONS AND ELEVATIONS OF UTILITY TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS AT NO EXPENSE TO OWNER.



2022 GREEN NON-RESIDENTIAL MANDATORY MEASURE NOTES:

A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES. (5.410.4.4) AN OPERATION AND SYSTEMS MANUAL SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION (5.410.4.5) THE HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS. (5.508.1)

IF THE NEW HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 13. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY. (5.504.4.3)

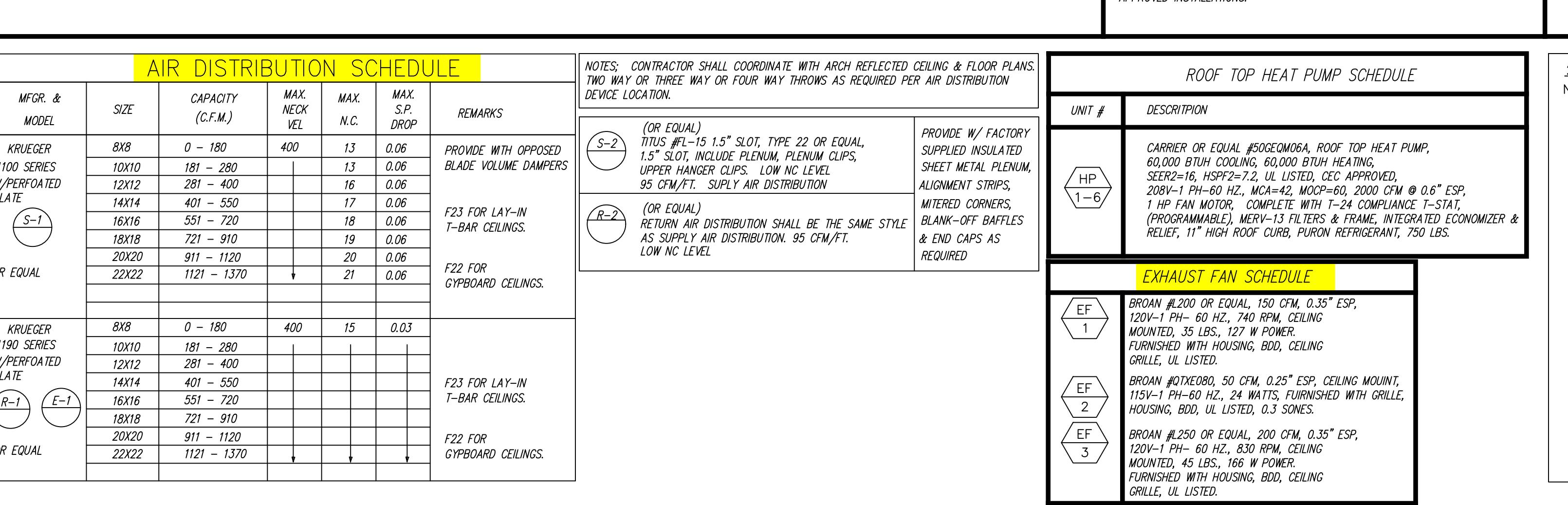
ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT. (5.504.3)

THE BUILDING SHALL MEET OR EXCEED THE PROVISIONS FOR MECHANICAL VENTILATION OF SECTION 1203 OF THE LOS ANGELES BUILDING CODE. (5.505.1)

ADDITIONS TO BUILDINGS THAT USE DEMAND CONTROL VENTILATION SHALL HAVE CO2 SENSORS AND VENTILATION CONTROLS INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CALIFORNIA ENERGY CODE. CCR, TITLE 24, PART 6, SECTION 121(C). (5.506.2)

HVAC SYSTEM AND COMPONENTS WILL BE TESTED, ADJUSTED AND BALANCED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

TABB'S CONSTRUCTION SPECIFICATION INSTITUTE MASTER FORMAT (23 05 93 AND 15990)
NEBB'S STANDARDS FOR TESTING, ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEM (7TH EDITION)
AABC'S NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE (6TH EDITION)
ASHRAE'S STANDARD 111-2008



ROOF TOP HEAT PUMP SCHEDULE

UNIT

DESCRIPTION

HP

1-6

F23 FOR LAY-IN T-BAR CEILINGS.

F22 FOR GYPOBOARD CEILINGS.

EF

1

GROAN #L200 OR EQUAL, 150 CFM, 0.35" ESP, 120V-1 PH- 60 Hz, 740 RPM, CEILING MOUNTED, 35 LBS, 127 W POWER, FURNISHED WITH HOUSING, BOD, CEILING GRILLE, UL LISTED.

EF

2

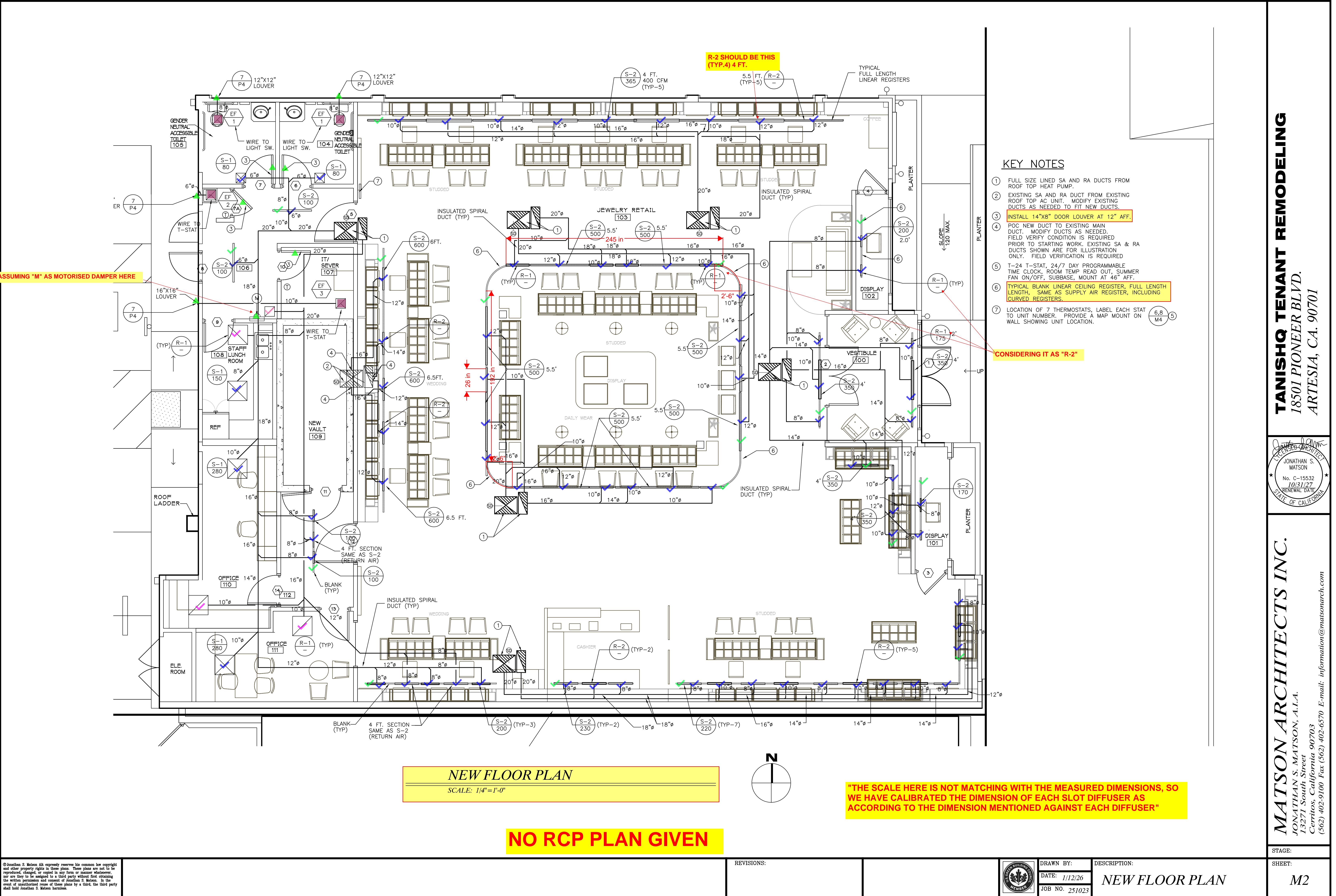
GROAN #L200 OR EQUAL, 200 CFM, 0.35" ESP, 120V-1 PH- 60 Hz, 830 RPM, CEILING MOUNTED, 45 LBS, 166 W POWER, FURNISHED WITH HOUSING, BOD, CEILING GRILLE, UL LISTED.

EF

3

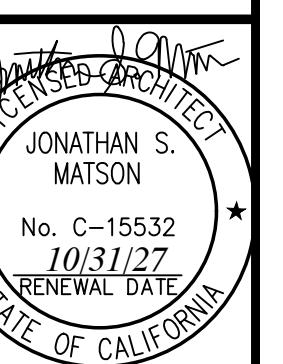
GROAN #L200 OR EQUAL, 200 CFM, 0.35" ESP, 120V-1 PH- 60 Hz, 830 RPM, CEILING MOUNTED, 45 LBS, 166 W POWER, FURNISHED WITH HOUSING, BOD, CEILING GRILLE, UL LISTED.

REVISIONS:



TANISHQ TENANT REMODELING

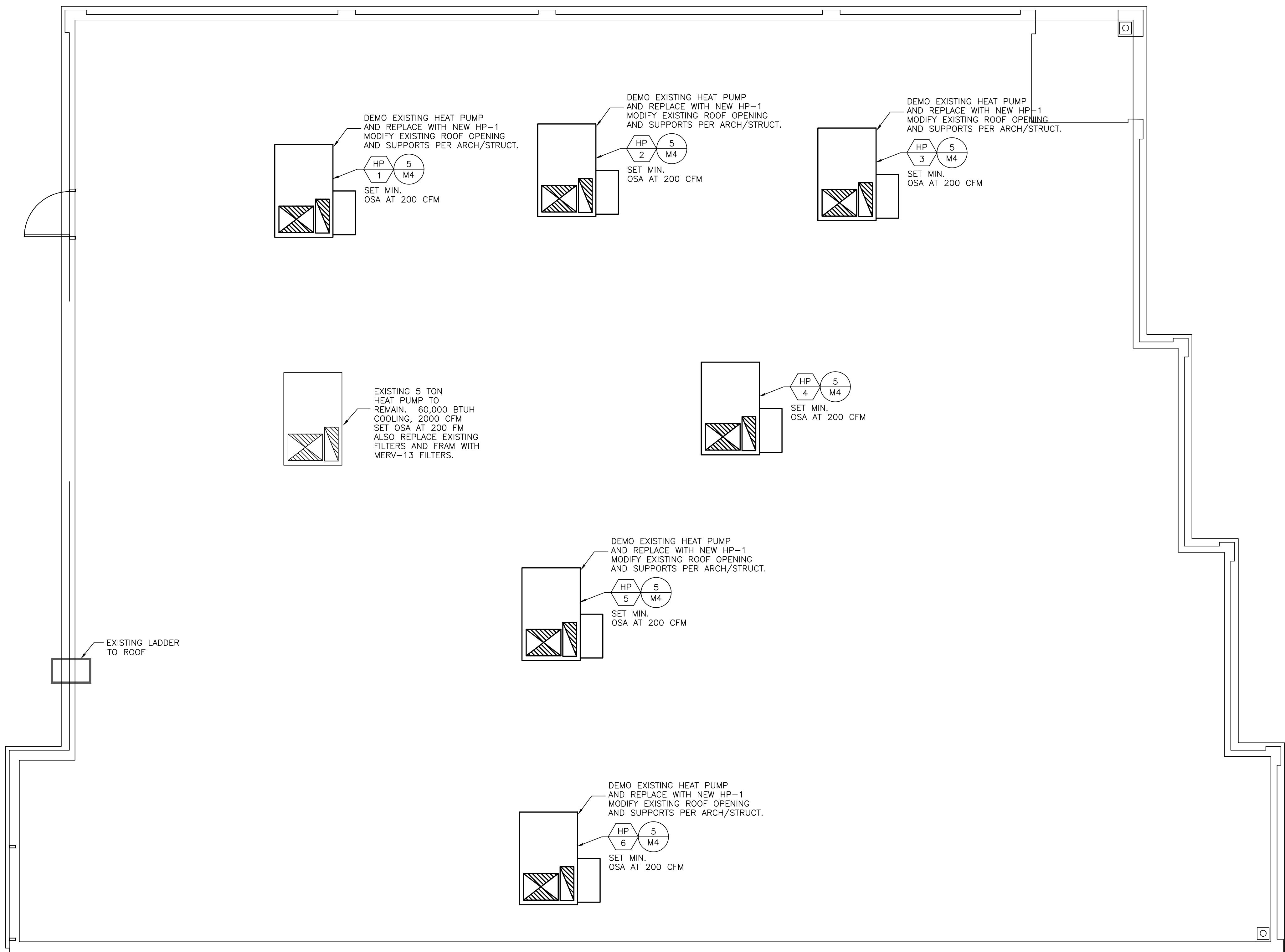
18501 PIONEER BLVD.
ARTESIA, CA. 90701



MATSON ARCHITECTS INC.

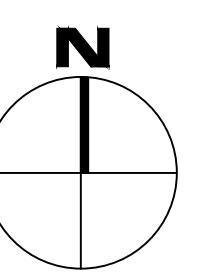
JONATHAN S. MATSON, A.I.A.

13271 South Street
Cerritos, California 90703
(562) 402-9100 Fax (562) 402-6570 E-mail: information@matsonarch.com



NEW FLOOR PLAN

SCALE: 1/4"=1'-0"



TANISHQ TENANT REMODELING

18501 PIONEER BLVD.
ARTESIA, CA. 90701

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STAGE:

DETAILS

M4

REVISIONS:

DRAWN BY:
DATE: 1/12/26
JOB NO. 251023

DESCRIPTION:

SHEET:

