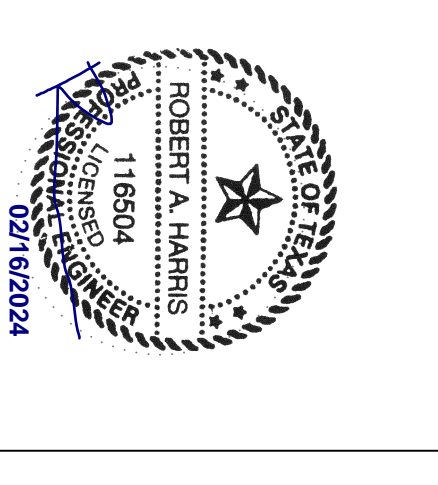


NO.	DESCRIPTION
1	08/04/22 PERMIT SET
2	09/16/22 DAY/REVISIONS
3	09/16/22 DWA COMMENTS
4	02/07/23 FINISH CHANGES
5	02/07/23 FINISH CHANGES
6	10/26/23 CAVA COMMENTS
7	12/11/23 CAVA COMMENTS
8	02/15/24 PLAN AMENDMENT



FIELD VERIFICATION:
The undersigned hereby certifies that the information and data furnished to him by the contractor and other persons named herein were true and correct at the time the same were furnished to him, and that he has not observed any errors or omissions in the same which would result in a violation of any applicable laws, rules, regulations, codes, or standards of practice of the profession of mechanical engineering or fabricating any work.
Do not include false drawings.

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SHEET NAME:	MECHANICAL PLAN
DATE:	12.11.23
DRAWN:	JPA
SCALE:	AS NOTED
SHEET NO.:	M100

MECHANICAL KEY NOTES

- DUCT MOUNTED SMOKE DETECTOR FURNISHED BY FIRE ALARM CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. INTERLOCK WIRING BETWEEN FIRE ALARM SYSTEM RECIPIENT AND ROOFTOP DETECTOR OF SMOKE. ROOFTOP UNIT SHALL SHUT DOWN UPON SIGNAL FROM FIRE ALARM SYSTEM. COORDINATE INSTALLATION LOCATION WITH ACCESS REQUIREMENTS.
- PROVIDE HUMIDITY SENSOR, MOUNT SENSOR 48" ABOVE FINISHED FLOOR. HUMIDITY SENSOR SHALL BE MOUNTED IN MANVAV SPACE. HUMIDITY AT 55% RH.
- PROVIDE REQUATE TEMPERATURE SENSOR COMPATIBLE WITH THERMOSTAT. MOUNT SENSOR 48" ABOVE FINISHED FLOOR.
- PROVIDE HONEYWELL W-E1 VISION PRO 9000 TOUCHSCREEN 7.5" TAP START CAPABILITY. MOUNT THERMOSTAT 48" ABOVE FINISHED FLOOR. COORDINATE FINAL INSTALLATION LOCATION OF THERMOSTAT WITH OWNER'S REPRESENTATIVE.
- INSTALL OWNER FURNISHED TYPE I GREASE EXHAUST HOOD. SUPPORT HANGERS FOR ALL HANGS SUPPORT UNDER DUCTWORK AS SPECIFIED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE 5000 BTU PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE AS SPECIFICATION AND ADDITIONAL INFORMATION INCLUDING BALANCE OF MAKEUP AND CONDITIONED SUPPLY AIR TO HOOD.
- INSTALL OWNER FURNISHED UL-2221 LISTED DOUBLE-WALL GREASE DUCT EQUAL TO CARTEFAIRE SYSTEMS MODEL DW-3R OR 3Z ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL FROM HOOD UNDER EXHAUSTION ON ROOF. CLEANOUTS AT EVERY CHANGE OF DIRECTION IN THE DUCT AND/OR EVERY 10 FEET WITH MINIMUM OF 3 FEET OF CLEARANCE IN FRONT OF CLEANOUTS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION. ENSURE DUCTWORK IS RIGID HIGH ENOUGH ABOVE CEILING ACCESS PANEL AS TO NOT HINDER ACCESS TO ITEMS ABOVE CEILING.
- UNDERCUT DOOR 1" FOR TRANSFER AIR.
- REFER TO HOOD DRAWINGS FOR BALANCE OF MAKEUP AND CONDITIONED SUPPLY AIR TO HOODS.
- DUCT UP TO EQUIPMENT ON ROOF. REFER TO SHEET M200 FOR EQUIPMENT LOCATION. COORDINATE DUCT LOCATIONS AND SIZING WITH STRUCTURE PRIOR TO BID.
- INSTALL DUCTWORK AS HIGH AS POSSIBLE ABOVE FINISHED FLOOR.
- ELBOW END OF RETURN DUCT UP 4".
- PROVIDE YOUNG REGULATOR MODEL 830AC RECTANGULAR CABLE CONTROLLED OPPOSED BLADE BALANCING DAMPER, MODEL 270-301EZ BOWDEN CABLE CONTROL KIT, AND BCW CONTROL WIRE AND CANNIS. COORDINATE INSTALLATION LOCATION WITH ARCHITECT AND MOUNT CABLE RECOMMENDATIONS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- CEILING ACCESS PANEL. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION. ENSURE DUCTWORK IS RIGID HIGH ENOUGH ABOVE CEILING ACCESS PANEL AS TO NOT HINDER ACCESS TO ITEMS ABOVE CEILING.

HVAC COMMISSIONING

GENERAL CONTRACTOR SHALL HIRE A THIRD PARTY REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY TO DEVELOP A COMMISSIONING PLAN THAT SHALL INCLUDE THE FOLLOWING ITEMS:

- NARRATIVE DESCRIPTION OF ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING PERSONNEL INTENDED TO ACCOMPLISH EACH OF ACTIVITY.
- LISTING OF SPECIFIC EQUIPMENT, APPLIANCES OR SYSTEMS TO BE TESTED AND DESCRIPTION OF TESTS TO BE PERFORMED.
- FUNCTIONS TO BE TESTED, INCLUDING, BUT NOT LIMITED TO:
 - CONTROLS UNDER NORMAL TEST WILL BE PERFORMED AT MINIMUM, AND FULL OUTSIDE AIR CONDITIONS.
 - MEASURABLE CRITERIA FOR PERFORMANCE.

A PRELIMINARY REPORT OF COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE COMPLETED AND CERTIFIED BY REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY IN ACCORDANCE WITH REQUIREMENTS OF THE MECHANICAL CODE AND PROVIDED TO PROJECT OWNER. A COPY OF THE REPORT SHALL BE MADE AVAILABLE TO CODE OFFICIAL, IF REQUESTED.

FINAL COMMISSIONING REPORT SHALL BE DUE TO PROJECT OWNER WITHIN 90 DAYS OF RECEIPT OF CERTIFICATE OF OCCUPANCY.



01 MECHANICAL PLAN
1/4" = 1'-0"

