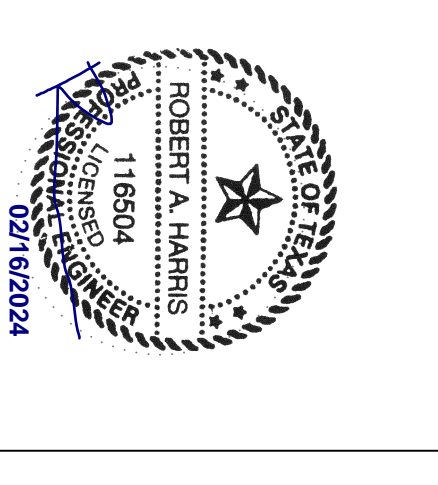


REVISIONS / ISSUES

NO.	DESCRIPTION
08/04/22	PERMIT SET
09/06/22	DATE SUBMITTED
09/16/22	REVA COMMENTS
10/02/22	FINISH CHANGES
10/26/22	REVA COMMENTS
10/26/22	CAVA COMMENTS
7/12/17/23	CAVA COMMENTS
8/02/15/24	PLAN AMENDMENT

IFC SET



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 render the same unreliable for the purposes intended.

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SHEET NAME:
MECHANICAL PLAN

DATE: 12.11.23
PROJECT NO.: 35090
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 CONTRACTOR. ALL OTHER WIRING BY FIRE ALARM CONTRACTOR. UPON DETECTION 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 UNOCCUPIED SPACE. HUMIDITY AT 55% RH.
- PROVIDE REPORT TEMPERATURE SENSOR COMPATIBLE WITH THERMOSTAT. MOUNT SENSOR 48" ABOVE FINISHED FLOOR.
- PROVIDE HONEYWELL W-E-FI 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 HANGERS SUPPORT UNDER DUCTWORK AS SPECIFIED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE AS SPECIFIED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ADDITIONAL INFORMATION INCLUDING BALANCE OF MAKEUP AND CONDITIONED SUPPLY AIR TO HOOD.
- INSTALL OWNER FURNISHED UL-2221 LISTED DOUBLE-WALL GREASE DUCT EQUAL TO CAPTEFAIRE 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 DOWNWARD BENDING. 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 853AC RECTANGULAR CABLE CONTROLLED OPPOSED BLADE BALANCING DAMPER, MODEL 270-301EZ BOWDEN CABLE CONTROL KIT, AND BCW CONTROL WIRE AND CABLES. 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 ACTIVITIES.
- 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"

TRUE