



WHATABURGER

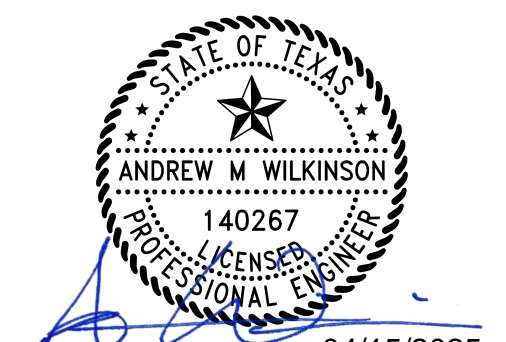


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WHATABURGER - LEVELLAND
Levelland - NEQ Hwy 114 & Cedar Ave.



1445 ROSS AVE. SUITE 5700 DALLAS, TEXAS 75202 214.997.6029 ROUCH ARCHITECTS, LLC. COPYRIGHT 2021



04/15/2025 Firm License Number: F-22270

Table with 2 columns: REVISIONS, and empty rows for revision details.

ISSUE DATE: 18.03.2025

JOB: 2024040

MECHANICAL SCHEDULES

SHEET NAME:

SHEET:

M6.1

ROOFTOP UNIT SCHEDULE

Table with 3 columns: MARK, RTU-1, RTU-2. Rows include: SERVES, TOTAL AIR (CFM), OUTSIDE AIR (CFM), APPROX. EXT S.P. ("WG) *, FAN MOTOR (MIN. HP), AMBIENT TEMP. (F), COOLING SECTION, HEATING SECTION, ELECTRICAL, and NOTES.

- 1. PROVIDE WITH PREMIUM EFFICIENCY MOTORS IN ACCORDANCE WITH NEMA MG-1.
2. PROVIDE WITH SUPPLY AND RETURN SMOKE DETECTORS TO SHUT DOWN UNIT UPON SMOKE DETECTION.
3. PROVIDE WITH TERMINAL STRIP FOR FIELD INSTALLED CONTROLS.
4. UNITS TO BE 2" DOUBLE WALL R-13 CONSTRUCTION WITH 2500 HOUR SALT SPRAY RESISTANT PAINT.
5. UNIT TO HAVE MODULATING HOT GAS REHEAT AND MODULATE HEAT CONTROL.
MECHANICAL CONTRACTOR RESPONSIBLE FOR INSTALLING (2) FACTORY PROVIDED SUPPLY AIR TEMPERATURE SENSORS.
6. PROVIDE FACTORY INSTALLED HAIL GUARDS
7. PROVIDE 6 ROW DX COIL AND STAINLESS STEEL DRAIN PAN.
8. PROVIDE ULTRA LOW LEAKAGE ECONOMIZER WITH BAROMETRIC RELIEF DAMPER, AND FAULT DETECTION AND DIAGNOSTIC.
9. PROVIDE FACTORY MOUNTED AND WIRED CONDENSATE FLOW SWITCH.
10. PROVIDE STAINLESS STEEL GAS HEAT EXCHANGER WITH MODULATING CONTROL.
11. PROVIDE FACTORY POWERED GFCI CONVENIENCE OUTLET AND NONFUSED DISCONNECT.
12. PROVIDE 14" INSULATED, SOLID BOTTOM CURB FOR PITCHED ROOF. MECHANICAL CONTRACTOR TO FIELD CUT SUPPLY AND RETURN OPENINGS AS REQUIRED.
13. AAOON UNITS PROVIDED BY WHATABURGER. FACTORY STARTUP IS INCLUDED. CONTACT AARON HUMPHRIES @ 210-954-6657 OR aaron.humphries@texasairsystems.com TO COORDINATE STARTUP.

FLEX DUCT SCHEDULE

Table with 2 columns: CFM RANGE, SIZE (DIAMETER) *. Rows include: < 50, 51 - 100, 101 - 250, 251 - 400, 401 - 650, 651 - 900, 901 - 1300, 1301 - 1800, 1801 - 2300.

* ALL FLEX DUCT SHALL BE SIZED IN ACCORDANCE W/ FLEX DUCT SCHEDULE. PROVIDE RIGID REDUCER AT NECK OF AIR DEVICE, VAV INLET DUCT, ETC. TO TRANSITION FROM FLEX DUCT SIZE TO DIFFUSER INLET AND/OR EQUIPMENT CONNECTION SIZE. FLEX DUCT NOT TO EXCEED 9ft.

EXHAUST FAN SCHEDULE

Table with 14 columns: TAG, TYPE, Manufacturer, Manufacturer Model Name, AIR FLOW (CFM), E.S.P. (IN WG), MOTOR RPM, FAN RPM, BHP, MOTOR HP, VOLTAGE, PHASE, WEIGHT (LBS), NOTES. Rows include: EF-1, KEF-1, KEF-2.

NOTES:
1. PROVIDE INSULATED 12" ROOF CURB.
2. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.
3. PROVIDE GREASE BOX.
4. PROVIDE INSULATED AND VENTED 26" SQUARE ROOF CURB.
5. PROVIDE INSULATED AND VENTED 22" SQUARE ROOF CURB.
6. PROVIDE HINGED ACCESS KIT.

AIR DEVICE SCHEDULE

Table with 14 columns: Type Mark, MANUFACTURER, MODEL, Max Flow (CFM), FACE SIZE (IN), NECK SIZE (IN), MAX NC, PATTERN, SLOT LENGTH (IN), SLOT WIDTH (IN), SLOT QTY, SYSTEM CLASSIFICATION, COMMENTS. Rows include: A1, A4, A6, B3, C9, E1, H1, P1, P3.

NOTES:
1. PROVIDE BACK PAN INSULATION.
2. PROVIDE PLASTER FRAME FOR MOUNTING IN GYP. CEILING.
3. PROVIDE INSULATED PLENUM.
4. CONTINUOUS LINEAR SLOT DIFFUSER TO BE INSTALLED IN GYP. CEILING. PROVIDE INSULATED SUPPLY AIR PLENUMS AS SCHEDULED FOR A COMPLETE SYSTEM.

KITCHEN HOOD SCHEDULE

Table with 5 columns: Manufacturer, Model, Description, Exhaust Vent Diameter, Exhaust Volume. Rows include: H&K DALLAS INC. CUSTOM 87" DOUBLE SIDED GRILL HOOD, H&K DALLAS INC. CUSTOM 10 BASKET FRYER HOOD.

AIR BALANCE AND VENTILATION CALCULATION:

TOTAL OUTSIDE AIR INTAKE = 3850 CFM
TOTAL GREASE HOOD EXHAUST = 3165 CFM
TOTAL RESTROOM EXHAUST = 200 CFM
OUTSIDE AIRFLOW - (GREASE HOOD EXHAUST AIRFLOW + RESTROOM EXHAUST AIRFLOW) = NET POSITIVE AIRFLOW
3850 CFM - (3165 + 200) = 485 CFM
ASHRAE 62.1 VENTILATION AIRFLOW REQUIRED = 500 CFM
IMC 2018 VENTILATION AIRFLOW REQUIRED = 500 CFM

