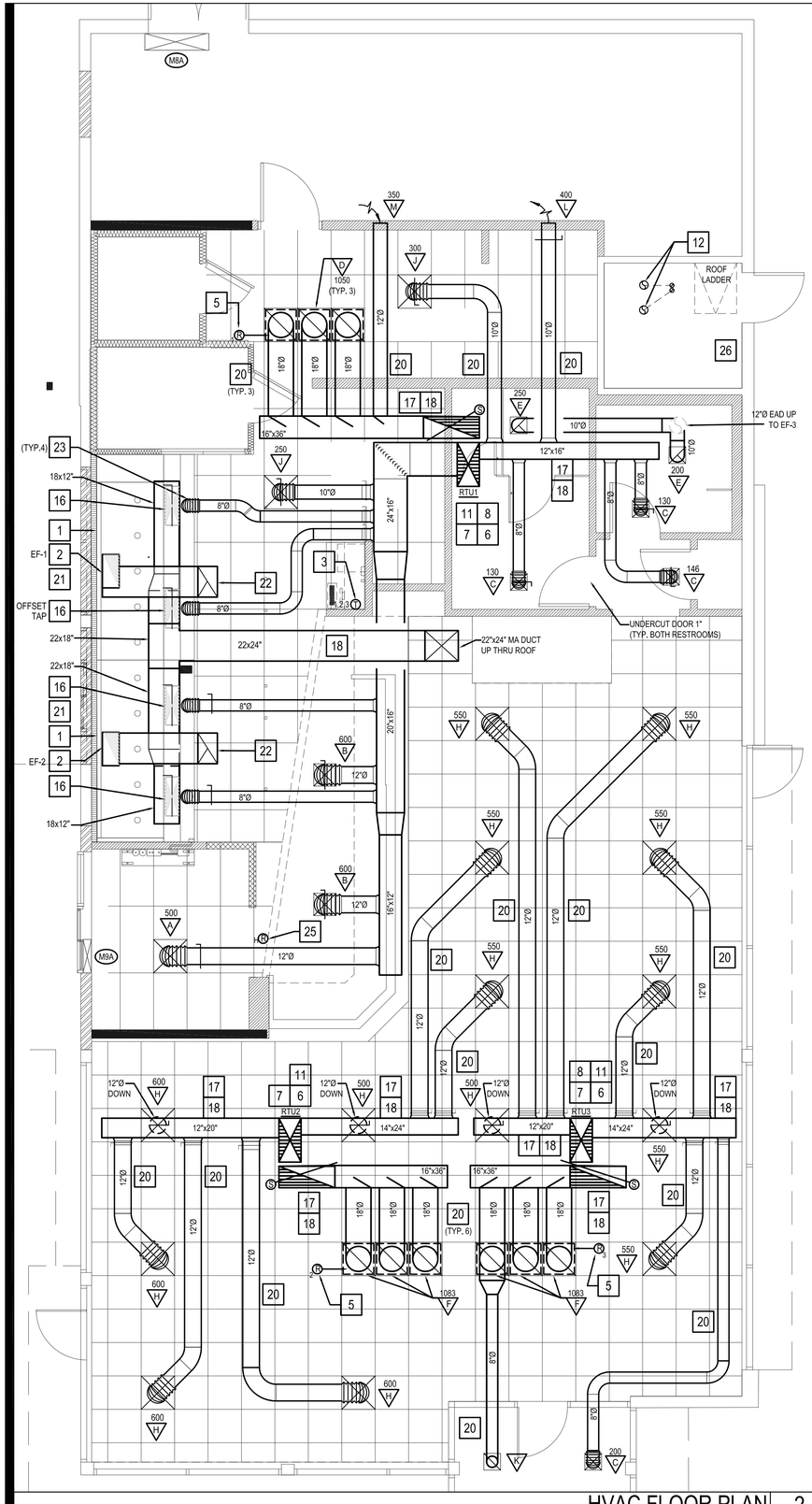
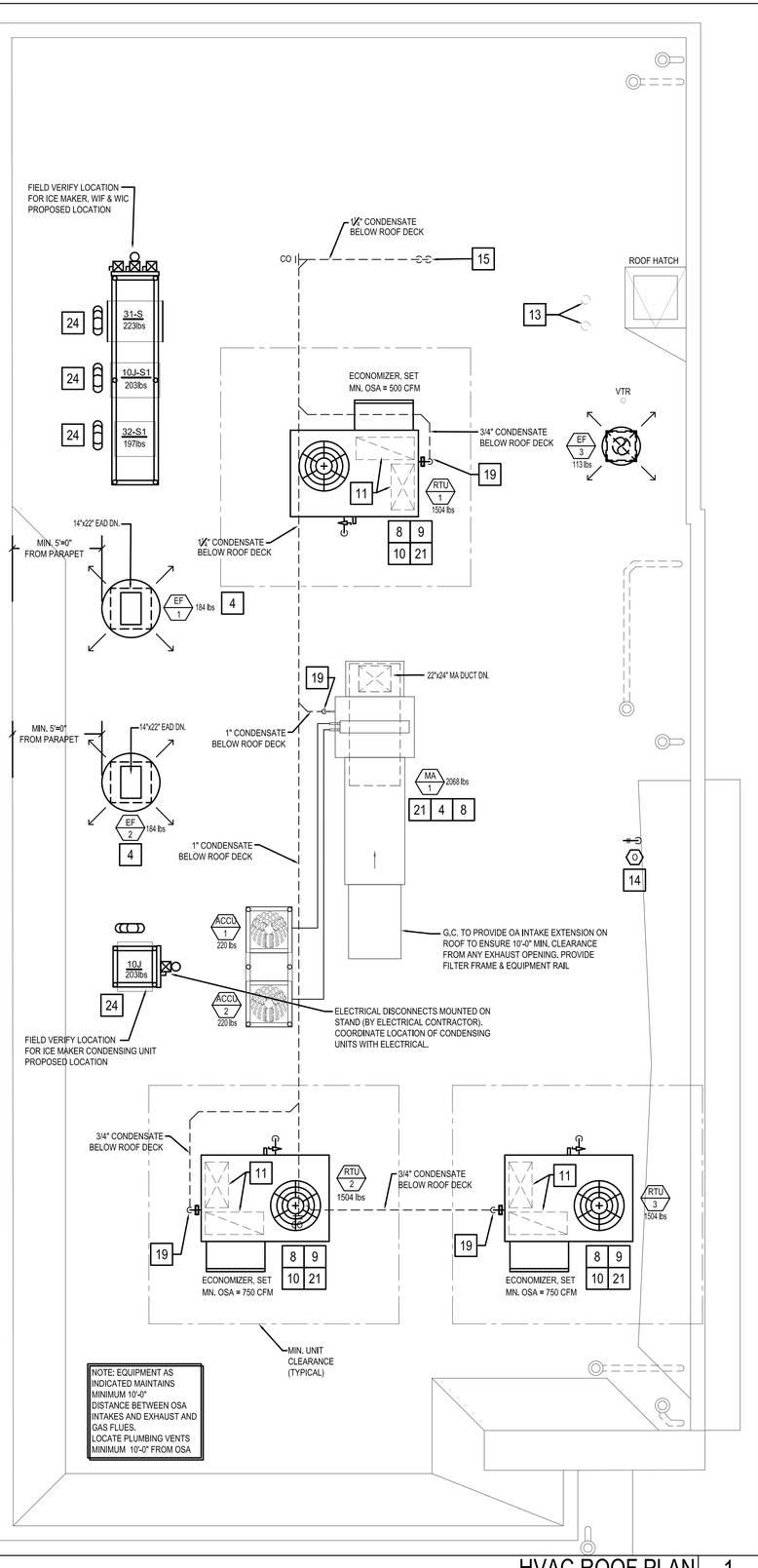


HVAC FLOOR PLAN 2

Scale:1/4"=1'-0" M-100



HVAC ROOF PLAN 1

Scale:1/4"=1'-0" M-100

MECHANICAL KEY NOTES:

1. INSTALL GREASE EXHAUST HOODS FURNISHED BY PANDA. HOOD SHALL BE ONE CAPTIVEAIRE 4824-ND HOOD EXHAUSTING 3,450 CFM. SUPPORT FROM STRUCTURE ABOVE WITH UNISTRUT AND ALL THREAD ROD. MOUNT HOOD PER LOCAL CODE REQUIREMENTS. REFER TO PLAN FOR HOOD CONNECTIONS. SEE CODE COMPLIANCE DRAWINGS ON SHEET M-500 AND CAPTIVEAIRE HOOD DRAWINGS FOR ADDITIONAL REQUIREMENTS. (TWO SECTIONS TOTAL).
2. PROVIDE AND INSTALL GREASE EXHAUST DUCT, ROUTE ON TOP OF MAKE UP AIR DUCT, FROM INLET OF ROOF MOUNTED GREASE EXHAUST FAN. TRANSITION TO 22"x14" BETWEEN ROOF JOIST, CONNECT TO EXHAUST HOOD COLLAR. FIELD VERIFY.WRAP WITH THERMAL CERAMIC FIREMASTER DUCT WRAP+ OR EQUAL. FABRICATE DUCT FROM 16 GAUGE STEEL WITH WELDED SEAM CONSTRUCTION SEAL TO THE ROOF CURB WITH FIRE CAULKING . SEE HOOD DETAIL DRAWINGS ON SHEET M-500 AND CAPTIVEAIRE DRAWINGS. TRANSITION DUCT TO CURB AND FAN INLET SIZE. TRANSITION TO 24X12" DUCT COLLAR SIZE.
3. MOUNT THERMOSTAT AT MANAGER STATION. REFER TO DETAIL #1 ON SHEET E-200. SEE DWG FOR EXACT LOCATION OF REMOTE SENSOR. SEE ROOFTOP UNIT SCHEDULE AND TEMPERATURE CONTROL DIAGRAM DETAIL 5 ON SHEET M-501 FOR ADDITIONAL INFORMATION.
4. INSTALL GREASE EXHAUST FAN WITH CURB (EF-1 AND EF-2) AND MAKE UP AIR (MA-1) FURNISHED BY PANDA. COORDINATE LOCATION OF UNIT WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
5. PROVIDE AND INSTALL A REMOTE SENSOR FOR ROOFTOP UNIT AT THIS LOCATION. MOUNT REMOTE SENSOR IN RETURN AIR DUCTWORK. SEE TEMPERATURE CONTROL DIAGRAM ON SHEET M-501 FOR ADDITIONAL INFORMATION.
6. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTOR AT MAIN SUPPLY AIR DUCT PER UMC. SEC. 609. OR AT RETURN AIR DUCT PER IMC, SECTION 606.2.1. DETECTORS SHALL BE INTERLOCKED TO SHUT DOWN ROOFTOP UNITS UPON DETECTION OF SMOKE. PROVIDE ALL CONTROL WIRING NECESSARY TO PERFORM THIS OPERATION.
7. PROVIDE FLEXIBLE CONNECTION BETWEEN UNIT, ROUTE DUCT THRU ROOF CURB AND TRUSS.
8. FOR GAS OR WATER CONNECTION, SEE PLUMBING DRAWINGS.
9. MOUNT NEW UNITS ON EXISTING ROOF CURBS. PROVIDE CURB ADAPTERS AS REQUIRED. COORDINATE EXACT LOCATIONS OF UNITS IN FIELD.
10. FURNISH AND INSTALL ALL TEMPERATURE CONTROL WIRING FROM THE UNIT TO THE THERMOSTAT OR OTHER CONTROL DEVICES.
11. FULL SIZE SA AND RA UP TO RTU. TRANSITION AS REQUIRED TO RTU INLET/OUTLET SIZE.
12. EXISTING PVC VENT AND COMBUSTION AIR PIPING FOR EXISTING TO REMAIN COMBUSTION WATER HEATER. REFER TO PLUMBING PLANS.
13. EXISTING WATER HEATER VENT AND COMBUSTION AIR INTAKE PIPES. REFER TO PLUMBING PLANS. OFFSET AS REQUIRED FOR CLEARANCE FROM AIR INTAKES.
14. ROOF HYDRANT. REFER TO PLUMBING DRAWINGS.
15. ROUTE CONDENSATE DRAIN IN CEILING SPACE OVER AND DOWN IN WALL. SLOPE 1/4" PER FOOT. STUB-OUT AND ELBOW DOWN OVER MOP SINK . TERMINATE WITH MINIMUM 2" AIR GAP.
16. MA DUCT (BELOW MAKE UP AIR) CONNECT TO 28"x10" RISER FROM SUPPLY PLENUM. 1,260 CFM
17. PROVIDE DUCT EXTERNAL INSULATION WRAP AT TRUNK, TYPICAL.
18. TRUNK DUCTS TO BE ROUTED IN BETWEEN THE JOISTS.
19. CONDENSATE DRAIN LINE DOWN THRU ROOF, REFER TO DETAIL 16/P-500.
20. RUNOUT DUCTS TO BE ROUTED THROUGH THE JOIST WEBBING.
21. PROVIDE AND INSTALL ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDED CLEARANCES FOR MAINTENANCE. MAINTAIN MINIMUM CLEARANCES TO ELECTRICAL AND SERVICE ACCESS PANELS AND DISCONNECTS.
22. GREASE DUCT CLEANOUT LOCATION. PROVIDE ACCESS TO CLEANOUT ABOVE CEILING. REFER TO MECHANICAL SPECIFICATIONS SHEET M-000
23. 8" CONNECTION TO HOOD RTU SUPPLY PLENUM COLLAR. BALANCE TO 236 CFM.
24. PROVIDE AND INSTALL ACR TUBING, SIZED AND ROUTED PER MANUFACTURER'S INSTRUCTIONS, FROM REMOTE REFRIGERANT CONDENSERS TO WALK-IN COOLER AND FREEZER FAN COILS, AND ICE MAKER. TEST, PURGE, EVACUATE AND CHARGE LINES AS REQUIRED BY MANUFACTURER. (START-UP FOR ICE MAKER IS BY OWNER'S REPRESENTATIVE). ROUTE REFRIGERANT LINES THROUGH "ATR HUB" PROVIDED AND INSTALLED BY GC (REFER TO ARCH. ISO 3 AND 4, SHEET A-108).
25. ROOM AIR SENSOR FROM CAPTIVEAIRE HOOD ON BACK OF MENU BOARD WALL, AS CLOSE TO CEILING AS POSSIBLE.
26. CONFIRM EXISTING ELECTRIC UNIT HEATER IN MECHANICAL CLOSET. IF UNIT HEATER DOES NOT EXIST THEN PROVIDE NEW QMARK CWH3150 FAN FORCED HEATER WITH INTEGRAL T-STAT. 120V/1Ø. 1.5 KW. 12.5 FLA. COORDINATE ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.

NOTE: MAXIMUM FLEXIBLE DUCT LENGTH ALLOWED SHALL BE PER LOCAL CODE AND AMENDMENTS. IMC HAS NO LIMITATIONS FOR FLEXIBLE DUCT LENGTHS.

ALL EXISTING DUCTWORK, AIR DEVICES, AND MECHANICAL EQUIPMENT TO BE REMOVED UNLESS NOTED OTHERWISE. MOUNT NEW ROOFTOP UNITS ON EXISTING ROOF CURBS. PROVIDE CURB ADAPTORS AS REQUIRED.

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

REVISIONS:

ISSUE DATE:

1st	DEVELOPER REVIEW	07.15.19
2nd	SITE PLAN SUBMITTAL	08.26.19
3rd	SITE COMMENTS	09.05.19
4th	ISSUE FOR PERMIT	10.01.19
5th	ISSUE FOR BID	11.07.19

DRAWN BY: PM / KL / EA

PANDA PROJECT #: S8-20-D7163

ARCH PROJECT #: 19027

James F. Turner Engineers, L.P.
Consulting Engineers
8340 Meadow Road, #160
Dallas, TX 75231
214.750.2900
Job #47296
CoA #CA-5874-E

ALABAMA REGISTERED No. 14970 PROFESSIONAL ENGINEER JAMES F. TURNER
11/7/19

Heights Venture
ARCHITECTURE DESIGN

HOUSTON
1111 North Loop West, Suite 800
Houston, Texas 77008
713 869 1103 V

DALLAS
5741 Legacy Drive, Suite 320
Plano, Texas. 75024
972 490 7292 V

PANDA EXPRESS

2096 INTERSTATE DR.
OPELIKA, AL, 36801

3600 FSDT

TWW REMODEL

M-100

H.V.A.C. FLOOR PLAN &
H.V.A.C. ROOF PLAN

BID ISSUE

TRUE WARM & WELCOME