



RAWING REFERENCE NOTES:

- 1] 24X10 EXHAUST DUCT CONNECTION - 2500 CFM (TYP OF 3). SEE FOOD SERVICE-CAPTIVE AIR DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE TRANSITIONS AS REQUIRED (VF).
- 2] 19X10 EXHAUST DUCT CONNECTION - 2000 CFM. SEE FOOD SERVICE-CAPTIVE AIR DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE TRANSITIONS AS REQUIRED (VF).
- 3] DUCTWORK FOR KITCHEN EXHAUST SHALL BE FABRICATED RECTANGULAR BLACK STEEL DUCTWORK WITH 2-HR FIRE-RATED FLANGES. JOINTS AND SEAMS SHALL BE WELDED TO PREVENT DUCT LEAKAGE. SLOPE KITCHEN EXHAUST DUCT AT A MINIMUM 1/4" PER FOOT SLOPE TOWARD KITCHEN HOOD. PRE-FABRICATED, ROUND STAINLESS STEEL DUCT AS MANUFACTURED BY CAPTIVE AIR IS AN ACCEPTABLE ALTERNATE.
- 4] 20X12 MAKE-UP DUCT CONNECTION - 600 CFM (TYPICAL OF 9). SEE FOOD SERVICE-CAPTIVE AIR DRAWINGS FOR DETAILS. PROVIDE TRANSITIONS AS REQUIRED (VF).
- 5] 24X12 MAKE-UP DUCT CONNECTION - 600 CFM (TYPICAL OF 2). SEE FOOD SERVICE-CAPTIVE AIR DRAWINGS FOR DETAILS. PROVIDE TRANSITIONS AS REQUIRED (VF).
- 6] NEW 24X18 MAKE-UP AIR DUCT OUT TO REAR HALLWAY AND UP DECK. PROVIDE FIRE DAMPER W/ ACCESS PANEL AT DEMISING WALL TO THE HALLWAY.
- 7] 8" SUPPLY DUCT CONNECTION - 133 CFM (TYPICAL OF 12). SEE FOOD SERVICE-CAPTIVE AIR DRAWINGS FOR DETAILS. PROVIDE TRANSITIONS AS REQUIRED (VF).
- 8] NEW CEILING-HUNG, WATER SOURCE HEAT PUMP UNIT. LOCATE & MOUNT UNIT WITH VIBRATION ISOLATORS ABOVE CEILING AND AS HIGH AS POSSIBLE. ADDITIONALLY, LOCATE UNIT TO PROVIDE THE NECESSARY ACCESS FOR SERVICING. COORDINATE EXACT LOCATION THE FIELD. (VF)
- 9] RUN NEW CWS/R PIPING (SIZED PER MFG'S SPECS) FROM WSHP AND CONNECT TO EXISTING CWS/R BRANCH PIPES (VF). RUN PIPING AS HIGH AS POSSIBLE. EXACT ROUTING OF PIPING SHALL BE COORDINATED IN THE FIELD BY THE CONTRACTOR.
- 10] EXTEND CONCEALED NEW 1" TRAPPED & INSULATED, COPPER CONDENSATE DRAIN LINE FROM WSHP UNIT AND SPILL IN TO NEAR FLOOR DRAIN OR FLOOR SINK (VF). IF FEASIBLE, PROVIDE CONDENSATE PUMP (IF REQUIRED); "LITTLE GIANT" VCM4-15 W/ FLOAT SWITCH 115V-1PH. SEE MECHANICAL DRAWING M204 - MECHANICAL CONDENSATE PARTIAL PLANS FOR ADDITIONAL INFORMATION.
- 11] NEW SLIP-IN, ELECTRIC DUCT HEATER. INTERLOCK UNIT OPERATION WITH ASSOCIATED WSHP OPERATION.
- 12] FIELD-INSTALLED, DUCT-MOUNTED SMOKE DETECTOR. UNIT SHALL TIE-IN TO AND BE COMPATIBLE WITH EXISTING BASE BUILDING FIRE ALARM SYSTEM AS REQUIRED.
- 13] RETURN DUCTWORK WITH 1" SOUND LINING, UP TO THE FIRST 20'-0" EXACT LOCATION SHALL BE COORDINATED IN THE FIELD. (VF)
- 14] HARD-WIRED 7-DAY PROGRAMMABLE THERMOSTAT MOUNTED 60" AFF EXACT LOCATION SHALL BE COORDINATED IN THE FIELD. (VF)
- 15] INSTALL DRIP PANS UNDERNEATH ALL EQUIPMENT, DUCTWORK AND PIPING LOCATED ABOVE ELECTRICAL PANELS AS REQUIRED PER NEC.
- 16] NEW MOTORIZED DAMPER. INTERLOCK WITH WSHP OPERATION.
- 17] NEW EXHAUST GRILLE FOR HEAT CAPTURE AND REMOVAL. EXTEND NEW EXHAUST DUCT TO EXHAUST FAN & OUT THRU EXISTING EXHAUST LOUVER. TRANSITION EXHAUST DUCT AS REQUIRED.
- 18] NEW RETURN GRILLE MOUNTED 12" AFF MAX. SIZED AS INDICATED. EXTEND RETURN DUCT UP, INSIDE CHASE, TO ASSOCIATED WSHP UNIT LOCATED ON MEZZANINE LEVEL.
- 19] NEW AIR DISTRIBUTION DEVICE (SUPPLY, RETURN, EXHAUST). REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION. (VF)
- 20] NEW TIMED SWITCH TO ACTIVE EF-1. SET TIMER TO 5 MINUTE RUN TIME FOR EACH ACTIVATION.

GENERAL DRAWING NOTES:

- 1. MOUNT ALL DUCTWORK, PIPING AND HVAC EQUIPMENT AS HIGH AS POSSIBLE. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS BASED ON FIELD CONDITIONS. (VF)

18076069

REVIEWED FOR COMPL

Performance of this review does not relieve the applicant from full responsibility to comply with all applicable codes, ordinances and regulations

10/29/19

OK to cover area in red #442 JS 2-19-19

Duct seal ok as noted #442 JS 2-19-19

weld inspection ok clear out door ok #442 JS 3-25-19

weld inspection ok E 1st layer wrap Pk on 4 hands ready for 2nd layer wrap #442 JS 4-19-19 Weld inspection ok OK ready for 1,2 layer fire wrap #442 JS 4-3-19

Gas ok on 2 fls #442 JS 5-15-19 Duct seal ok as noted #442 JS 4-25-19

Duct Seal ok #32 JK 1/31/19

Duct Seal ok #32 JK 1/10/19

OK to cover #442 JS 4-19-19

GROUND FLOOR - OUZO BAY - MECHANICAL PLAN

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

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OUZO BAY/ LOCH BAR HOUSTON
 4444 WESTHEIMER RD, HOUSTON, TX 77027

PROJECT NO. JBW17108

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF TEXAS.
 PE. LICENSE # 129510, EXPIRATION DATE: DECEMBER 31, 2018
 FIRM LICENSE #: F19815, EXPIRATION DATE: MARCH 31, 2019

REV	DATE	ISSUED FOR	REV	DATE	ISSUED FOR
—	05/16/2018	PROGRESS SET	—	—	—
—	06/11/2018	PERMIT SET	—	—	—
▲	08/30/2018	PERMIT COMMENTS	—	—	—
▲	10/04/2018	PERMIT COMMENTS	—	—	—

MECHANICAL GROUND FLOOR PLAN

M200