

H.V.A.C. KEY NOTES

- PROVIDE RETURN AIR FILTER GRILLES IN CEILING. PROVIDE DUCT TRANSITION FROM R.A. AT AHD TO SHEET METAL R.A. BUILDING.
- CONDENSING UNIT AT REAR OF BUILDING FOR WALK-IN COOLER. CONTRACTOR TO PROVIDE SHADE FOR WORKING UNIT.
- CONDENSATE DRAIN TO SANITARY SEWER P.C. (TYPICAL).
- SUPPORT HOOD SYSTEM WITH 25A, 14x6x3/4" ANGLES SPANNING A MINIMUM OF 6 Z-COLUMNS.
- 21"X10" F.A. DUCT UP TO FF-2 ON ROOF. HOLD 10'-0" FROM O.A. INKES.
- 18"X16" S.A. DUCT UP TO SUPPLY FAN (SF-1) ON ROOF.
- DASHED LINE INDICATES EXHAUST FAN/SUPPLY FAN ON ROOF. REF. DWG M-2 FOR ADDITIONAL INFORMATION.
- INTAKE TO BE A MINIMUM OF 10'-0" FROM EXHAUST.
- THE EXHAUST OUTLET SHALL ALWAYS BE LOCATED AT THE REAR OF THE HOOD AND THE SUPPLY AIR INLET SHALL BE LOCATED AT THE SIRES OF THE HOOD.
- MECHANICAL CONTRACTOR SHALL PROVIDE THERMOSTAT MOUNTING LOGS ON WHERE REQUIRED.
- MECHANICAL CONTRACTOR SHALL PROVIDE THERMOSTAT MOUNTING LOGS ON WITH CONTRACTOR INSTALLING EQUIPMENT IN THIS AREA. THERMOSTAT SHALL NOT BE LOCATED NEAR EQUIPMENT WHICH PRODUCES HEAT OR HUMIDITY. TYPICAL FOR ALL PLUMBING VENT.
- O.A. INTAKE HOOD SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST. GAS OR FLUWING VENT.
- MECHANICAL CONTRACTOR SHALL INSTALL COMPRESSOR AND EVAPORATOR AND MAKE FINAL CONNECTIONS.
- C.C. TO CONSTRUCT A MAINTENANCE PLATFORM ON TOP OF COOLER FOR THE MAINTENANCE OF EXISTING 6 TON AHU.
- EXISTING EXHAUST FANS IN RESTROOMS.
- STRAP OR ANCHOR UNIT ACCORDING TO THE MANUFACTURER'S RECOMMENDATION FOR 130 MPH WINDS WITH A 30 SECOND GUST.
- SUPPORT HVAC WITH 25A, 14x6x3/4" ANGLES SPANNING A MINIMUM OF 6 Z-COLUMNS.

RETURN / SUPPLY AIR DIFFUSER SCHEDULE

ITEM	MFR.	TYPE	MODEL	SIZE	NECK SIZE
1	TMS	SUPPLY	300RL	8" X 8"	8"
2	TMS	SUPPLY	300RL	8" X 10"	8"
3	TMS	SUPPLY	TMS	24" X 24"	8"
4	TMS	SUPPLY	TMS	24" X 24"	8"
5	TMS	SUPPLY	TMS	24" X 24"	10"
6	TMS	RETURN	SF-A	24" X 48"	-

RESPONSIBILITY NOTES

- HOOD SYSTEMS FOR KITCHEN, RESTROOM AND BATHROOM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL VERIFY THE MANUFACTURER'S INSTRUCTIONS FOR THE HOOD TO BE INSTALLED IN THE KITCHEN.
- THE HOOD SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL VERIFY THE MANUFACTURER'S INSTRUCTIONS FOR THE HOOD TO BE INSTALLED IN THE RESTROOM AND BATHROOM.
- IF A HANGING HOOD IS USED IN THE KITCHEN, CONTRACTOR SHALL VERIFY THAT ALL HOODS ARE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL VERIFY THE MANUFACTURER'S INSTRUCTIONS FOR THE HOOD TO BE INSTALLED IN THE KITCHEN.

MECHANICAL NOTES:

- CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS REGARDING THE MECHANICAL SYSTEMS. CONTRACTORS SHALL VERIFY THE MECHANICAL SYSTEMS ARE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL VERIFY THE MANUFACTURER'S INSTRUCTIONS FOR THE HOOD TO BE INSTALLED IN THE KITCHEN.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- MECHANICAL CONTRACTOR SHALL USE THE LANDLORD ROOFING CONTRACTOR FOR ALL PENETRATIONS.
- USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLenum. MATERIALS USED IN THE PLenum SHALL HAVE FLAME SPREAD RATING NOT TO EXCEED 25. ALL SMOKE DEVELOPED RATING NOT TO 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. ALL EXPOSED WIRING IN THE PLenum SHALL BE PLenum RATED.
- CONTRACT LANDLORD APPROVED ROOFING CONTRACTOR TO FLASH AND SEAL ROOF PENETRATIONS TO MAINTAIN ROOFING WARRANTY.
- ALL ROOF PENETRATIONS MUST BE APPROVED BY THE LANDLORD PRIOR TO INSTALLATION.
- EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL PER SMACNA STANDARDS. LINE WITH NEOPRENE COATED 1.0", 1.5 POUNDS PER CUBIC FOOT DUCT INSULATION.
- ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
- DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- IN ALL SYSTEMS OVER 2,000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS, TO AUTOMATICALLY STOP THE FAN.
- PROVIDE U.L. LISTED 1 25" FRAMES IN RETURN AIR OF EACH SYSTEM UNDER 2,000 CFM IN THE EVENT OF FIRE.
- PROVIDE U.L. LISTED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
- ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
- EXHAUST FAN EQUAL TO BROAN MODEL NO. 100 CF OR EQUAL. FAN SHALL BE CONTROLLED BY SWITCH ON WALL AT LIGHT SWITCH. PROVIDE BACK DRAFT DAMPER.
- PROVIDE AND INSTALL WATER FROST GRILLE VENT ON ROOF FOR TOILET EXHAUST.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM E814.

CONDENSING UNIT SCHEDULE

NO.	TOTAL BTU	VOLTAGE	ELECTRICAL MCA	CKT BRKR	COMMENTS
1	72,000 6 TON	208V, 3ø	23.8	MDP #2,4,6	*
2	120,000 10 TON	208V, 3ø	58.8	MDP #1,3,5	

* EXISTING UNIT. PROVIDE NORMAL STARTUP SERVICING. UNITS ARE NEW AND UNTESTED.

A.H.U. SCHEDULE

NO.	TOTAL BTU	CFM	O.A.	HEAT	VOLTAGE	ELECTRICAL MCA	CKT BRKR	COMMENTS
1	6 TON	2,400	400	17KW	208V, 3ø	59.0	PNL P #2,4,6	*
2	10 TON	4,000	600	16KW	208V, 3ø	51.1	PNL Q #2,4,6	

* EXISTING UNIT. PROVIDE NORMAL STARTUP SERVICING. UNITS ARE NEW AND UNTESTED.

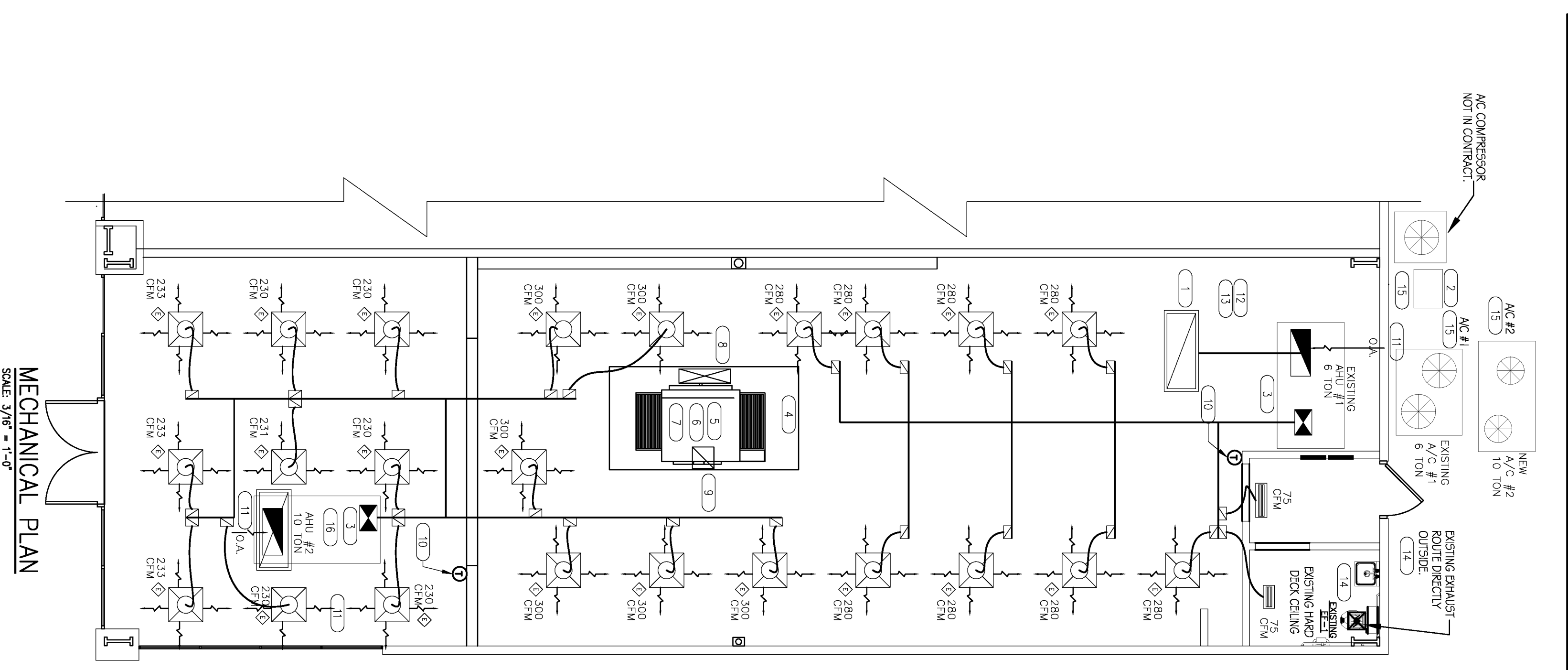
AIR BALANCE SCHEDULE

ITEM	O.A.	R.A.	S.A.	E.A.	PRESSURE
AHU-1	400	2400	4000	----	+400
AHU-2	600	3400	4000	----	+600
SF-1	2310	-----	2310	-----	+2310
EF-1	-----	-----	-----	-----	-100
EF-2	-----	-----	-----	-----	-3300
TOTALS	3310	5400	9710	-3400	-90

EXHAUST FAN SCHEDULE

MARK	MFR.	MODEL	SERVICE	CFM	S.P.	HP	VOLTAGE
EF-1	COOK	GC-140	TOILET EXHAUST	100	0.25"	1/6	120V / 1ø / 4.4A
EF-2	LARSEN	KRB-180	OVEN EXHAUST	3300	0.625"	3/4	230V / 1ø / 6.9A
SF-1	LARSEN	ARS-112	OVEN INTAKE	2310	0.50"	1/2	115V / 1ø / 9.8A

SF-1 AND EF-2 TO BE BALANCED TO CFM REQUIRED AND SHALL BE INTERLOCKED TO RUN SIMULTANEOUSLY.
NOTE: SUPPLY FAN SF-1 AND EXHAUST FAN EF-2 TO BE PROVIDED BY MIDWEST PIZZA EQUIPMENT.



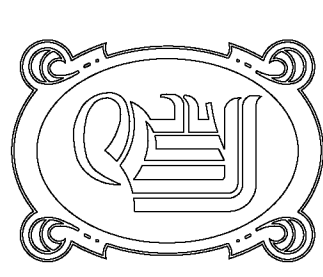
MECHANICAL PLAN
SCALE: 3/16" = 1'-0"

4638 Hwy. 22
Mandeville
Louisiana
70471-2820

MECHANICAL PLAN

SCALE: AS NOTED
JOB#: 2107
DATE: 5-25-11
SHEET 5

M-1



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MARCO'S PIZZA TENANT BUILDOUT