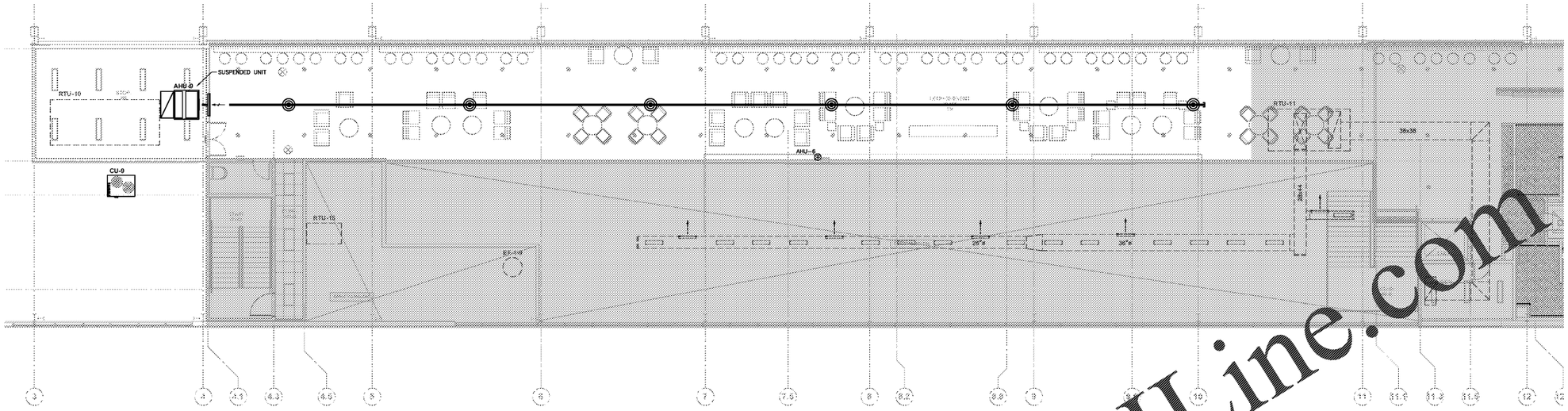
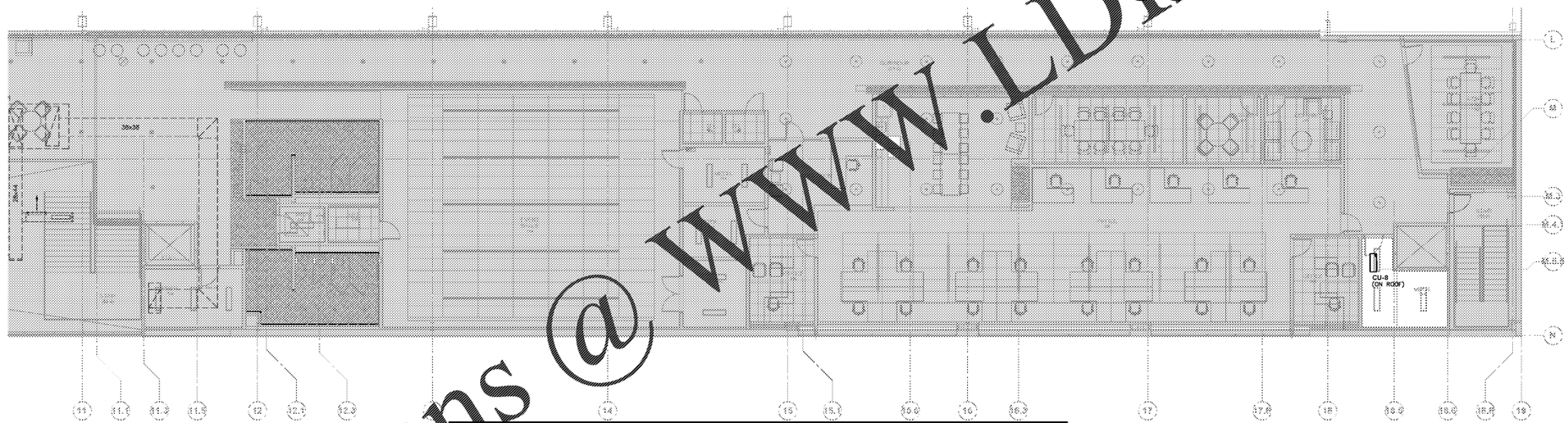


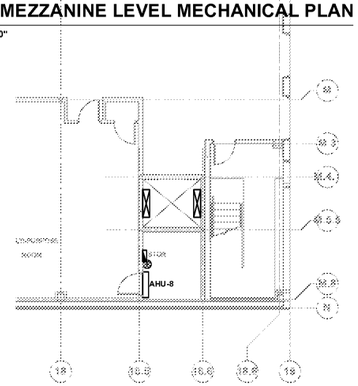
PARTIAL MEZZANINE LEVEL MECHANICAL PLAN

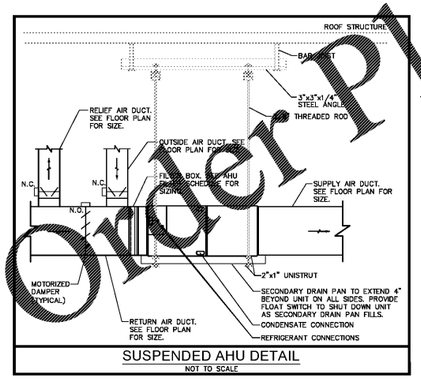
SCALE: 1/8" = 1'-0"



PARTIAL FIRST LEVEL MECHANICAL PLAN

SCALE: 1/8" = 1'-0"





SUSPENDED AHU DETAIL

NOT TO SCALE

ADD ALTERNATE MECHANICAL SCOPE

- DELETE HVLS FANS CF-1-1 THROUGH CF-1-4.
- ADD AHU-8 AND CU-8.
- ADD AHU-9 AND CU-9 AND ASSOCIATED DUCTWORK AND DIFFUSERS.

AIR HANDLING UNIT SCHEDULE (ALTERNATE)

MARK	TRANE MODEL	NOMINAL TONNAGE	TOTAL COOLING MBH	SENSIBLE COOLING MBH	TOTAL SUPPLY CFM	OUTSIDE AIR CFM	APPROX. ESP IN WG	ENTERING DB/WB °F	LEAVING DB/WB °F	SUPPLY FAN HP	HEAT KW	HEAT STAGES	VOLTAGE PHASE V/HZ	MCA/MOCP AMPS	WEIGHT LBS	DIMENSION IN	NOTES
AHU-9	TWE 120	10.0	120.0	97.8	3,900	580	1.0	76/64	55.9/55.1	3.0	24.9	2	460/3	43/45	393	64x26x54	1 THROUGH 24

NOTES:

1. APPROVED EQUAL MANUFACTURER: CARRIER, LENNOX, DAIKIN
2. COOLING CAPACITIES BASED ON STANDARD AHRI CONDITIONS
3. PROVIDE SINGLE POINT POWER ENTRY AND HEAVY DUTY NICKEL-CHROMIUM ELEMENT HEATER
4. PROVIDE FILTER AND VIBRATION ISOLATION. PROVIDE FILTER RACK BETWEEN THE UNIT RETURN AIR INTAKE AND RETURN AIR DUCT TO ACCOMMODATE FILTER. SEE FILTER SCHEDULE FOR SIZE.
5. DISCONNECT TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR
6. PROVIDE BUILDING AUTOMATION CONTROLS TO MATCH EXISTING NIAGRA AX SYSTEM.
7. PROVIDE REFRIGERANT LINES SIZE AS RECOMMENDED BY MANUFACTURER. FOR LONGER RUNS COORDINATE WITH MANUFACTURER PRIOR TO PURCHASE OR ANY WORK.
8. PROVIDE 3" AUXILLARY DRAIN PAN WITH AUTOMATIC SHUT OFF FLOAT SWITCH OR SENSOR SWITCH IN UNIT'S DRAIN PAN SECONDARY CONNECTION, EQUAL TO "WATER GARD"
9. PROVIDE FLOAT SWITCH TO SHUT DOWN UNIT AS PRIMARY DRAIN PAN FILLS
10. PROVIDE AIR SIDE ECONOMIZER WITH DUAL ENTHALPY CONTROL AND BAROMETRIC RELIEF
11. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT
24. PROVIDE FACTORY MOUNTED FULLY MODULATING HIGH STATIC VARIABLE SPEED FAN FOR SINGLE ZONE VAV.

CONDENSING UNIT SCHEDULE (ALTERNATE)

MARK	TRANE MODEL	NOMINAL TONNAGE	TOTAL COOLING MBH	CAPACITY STAGES	SEER/EER	NUMBER OF FANS	FAN FLA (EACH) AMPS	NUMBER OF COMPRESS.	COMP. RLA (EACH) AMPS	VOLTAGE PHASE V/HZ	MCA/MOCP AMPS	WEIGHT LBS	DIMENSION IN	NOTES
CU-9	TTA 120E	10.0	120.0	2	–/11.2	1	2.5	2	7.8	460/3	20.1/25	438	52x40x40	ALL NOTES APPLY

NOTES:

1. APPROVED EQUAL MANUFACTURER: CARRIER, LENNOX, AAON
2. COOLING CAPACITIES BASED ON STANDARD AHRI CONDITIONS
3. PROVIDE WITH THERMAL EXPANSION VALVES, LIQUID LINE FILTER DRYER AND MULTI-USE SERVICE VALVES WITH LOCKING-TYPE TEMPER-RESISTANT CAPS.
4. PROVIDE COMPRESSOR WITH CRANKCASE HEATER AND MIN. 5-YEAR WARRANTY
5. REFRIGERANT TO BE R-410A. PROVIDE REFRIGERANT CHARGE PER MANUFACTURER RECOMMENDATION
6. DISCONNECT TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR
7. PROVIDE HIGH AND LOW PRESSURE CONTROL AND OVER TEMPERATURE PROTECTION
8. PROVIDE WEATHERPROOF ELECTRIC CONTROL AND SINGLE SIDE SERVICE ACCESS
9. PROVIDE BUILDING AUTOMATION CONTROLS TO MATCH EXISTING NIAGRA AX SYSTEM.
10. PROVIDE LOW NOISE OPTION
11. PROVIDE 1/4" THICK NEOPRENE WAFFLE-PAD UNDER ALL SUPPORT POINTS
12. PROVIDE HAIL GUARDS FOR CONDENSERS COILS

DUCTLESS AIR CONDITIONING SPLIT SYSTEM SCHEDULE (ALTERNATE)

MARK	MITSUBISHI MODEL OUTDOOR	MITSUBISHI MODEL INDOOR	NOMINAL TONNAGE	TOTAL COOLING MBH	SENSIBLE COOLING MBH	TOTAL SUPPLY CFM	HEATING @ 47°F MBH	SEER/HSPF	ENTRERING DB/WB °F	LEAVING DB/WB °F	VOLTAGE PHASE V/HZ	MCA/MOCP AMPS OUTDOOR	MCA/MOCP AMPS INDOOR	WEIGHT LBS OUTDOOR	WEIGHT LBS INDOOR	DIMENSIONS IN OUTDOOR	DIMENSIONS IN INDOOR	NOTES
AHU/CU-8	PUY-A12	PKA-A12	1.0	12.0	9.6	320	N/A	15.2/	75/64	55/54	208/1	13/15	1.2/15	82	29	32x13x24	36x10x12	1 THROUGH 10

NOTES:

1. APPROVED EQUAL MANUFACTURER: CARRIER, DAIKIN, LG
2. COOLING CAPACITIES BASED ON STANDARD AHRI CONDITIONS
3. HIGH SIDEWALL INDOOR UNIT. INSTALL REFRIGERANT LINES THROUGH REAR OF UNIT CONCEALED WITHIN WALL. NO EXPOSED PIPING SHALL BE ALLOWED.
4. SUPPLY AIRFLOW CFM BASED ON HIGH SPEED AND DRY COIL
5. COOLING ONLY UNIT
6. PROVIDE LOW AMBIENT CONTROL
7. PROVIDE AND INSTALL INTEGRAL/ACCESSORY CONDENSATE PUMP WITHIN INDOOR UNIT AND WIRE TO UNIT TERMINAL BLOCK PER MANUFACTURER'S INSTRUCTIONS
8. PROVIDE MIN. 30% EFF. FILTER
9. PROVIDE HARD WIRED WALL MOUNTED THERMOSTAT COMPATIBLE WITH EXISTING NIAGRA AX SYSTEM.
10. INDOOR UNIT POWER SUPPLIED FROM OUTDOOR UNIT

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Managed byLakePoint Land, LLC

755 Highway 293
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RENOVATIONS TO LAKEPOINT SPORTS PAVILION MEZZANINE

755 Highway 293
Emerson, GA 30137

PROJECT NUMBER
19016.00

GEORGIA REGISTERED ARCHITECT SCOTT MERIWETHER

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SHEET TITLE
PROPOSED ALTERNATE MEZZANINE LEVEL MECHANICAL PLAN

M-201A