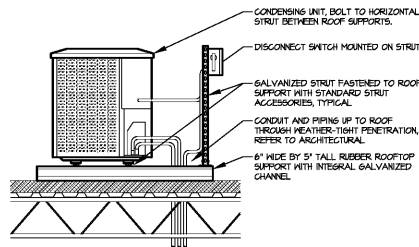


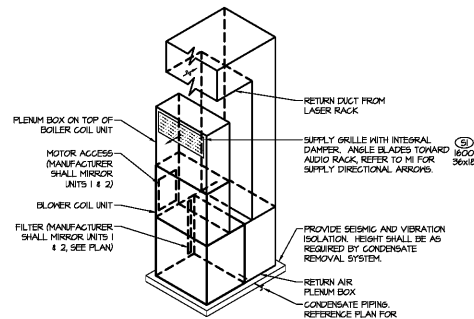
NOTES:
 1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
 2. PROVIDE ROOF CURB OF SUFFICIENT HEIGHT TO PROVIDE A MINIMUM 18" CLEARANCE FROM THE TOP OF THE CURB TO THE FINISHED ROOF.
 3. BOTTOM OF ROOF CURB SHALL MATCH THE SLOPE OF THE ROOF SO THAT THE TOP OF ROOF CURB IS LEVEL. ATTACH FAN TO CURB PER MANUFACTURER'S RECOMMENDATIONS.
 4. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND ROOF MANUFACTURER'S REQUIREMENTS. CURB INSTALLATION SHALL NOT VOID ROOF WARRANTY. COORDINATE ROOF WARRANTY WITH OWNER.

4 Roof Exhaust Fan Detail
 Scale: Not to Scale



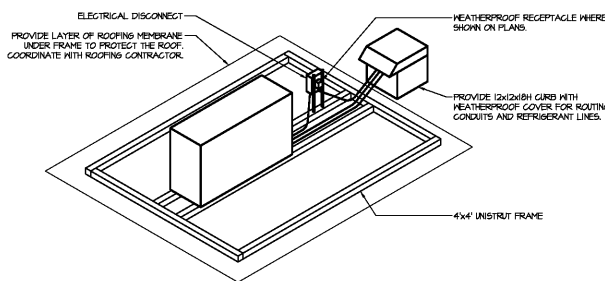
NOTES:
 1. ARRANGEMENT SHOWN IN SCHEMATIC. REFER TO PLANS FOR LOCATION OF CONDENSING UNIT AND PIPE PENETRATIONS.
 2. MOUNT DISCONNECT SWITCH A MINIMUM OF 3'-0" ABOVE THE ROOF.
 3. REFER TO ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS FOR ROOFING MATERIALS.
 4. REFERENCE STRUCTURAL SHEETS FOR CONDENSING UNIT SUPPORT DETAILS.

3 Condensing Unit Mounting Detail
 Scale: Not to Scale



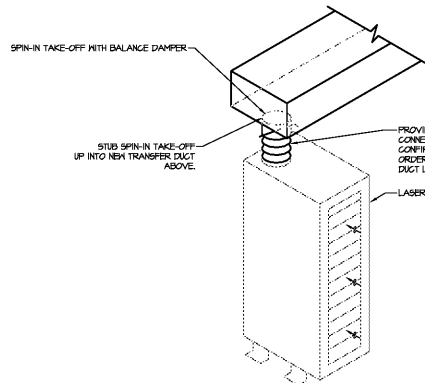
NOTE: PROVIDE DUCT SMOKE DETECTOR TO SUPPLY AIR AND RETURN AIR DUCTS AND INTERLOCKED WITH EXISTING FIRE ALARM CONTROL PANEL. SUPPLY FAN AND BLOWER COIL SHALL SHUT DOWN UPON DETECTION OF SMOKE IN DUCT.

2 Blower Coil Unit Detail
 Scale: Not to Scale

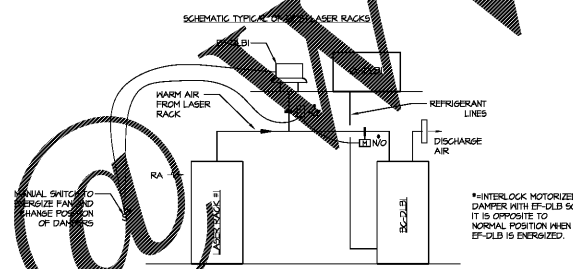


NOTES:
 1. ARRANGEMENT SHOWN IN SCHEMATIC. REFER TO PLANS FOR LOCATION OF CONDENSING UNIT AND PIPE PENETRATIONS.
 2. MOUNT DISCONNECT SWITCH A MINIMUM OF 3'-0" ABOVE THE ROOF.
 3. REFER TO ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS FOR ROOFING MATERIALS.
 4. REFERENCE STRUCTURAL SHEETS FOR CONDENSING UNIT SUPPORT DETAILS.
 5. CONTRACTOR SHALL PROVIDE DESIGN AND SUPPORTS FOR NEW MECHANICAL SYSTEMS AS REQUIRED BY CODE.

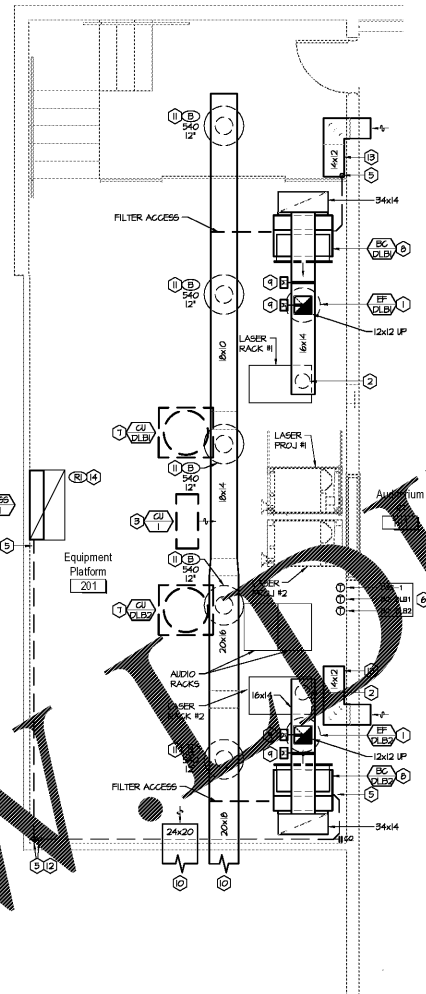
6 Rooftop Condensing Unit and Heat Pump Detail
 Scale: Not to Scale



5 Dolby Laser Rack Transfer Detail
 Scale: Not to Scale



Laser Rack HVAC Schematic
 Scale: Not to Scale



1 Booth New Work Mechanical Plan
 Scale: 1/4" = 1'-0"

GENERAL NOTES:
 A. THESE DRAWINGS ARE DIAGNOSTIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.
 B. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.
 C. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.
 D. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED MORGING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.
 E. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
 F. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOWER SIZES AND LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.
 G. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES AND DIFFUSERS.
 H. ALL DUCTWORK SIZES INDICATE THE INSIDE CLEAR DIMENSION.
 I. PROVIDE ACCESS DOORS IN HAND GELING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TEST POINTS, UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

PLAN NOTES:
 1. BACKUP COOLING EXHAUST - PROVIDE BACKUP COOLING EXHAUST FAN FOR BACKUP COOLING EXHAUST SYSTEM. IN EVENT THE BCU IS NOT OPERATIONAL, THE BACKUP COOLING EXHAUST FAN SHALL BE ENERGIZED MANUALLY TO REMOVE EXHAUST FROM THE BOOTH.
 2. LASER RACK COOLING EXHAUST - PROVIDE 10" DIAMETER BLACK NEOPRENE COATED POLYESTER FABRIC INDUSTRIAL DUCTING HOSE BY HETEROGENEUS, MODEL# 110-000-0002-60, SERIES 2FN. DUCTING HOSE SHALL BE AS LISTED.
 CONDENSING UNIT - PROVIDE CONDENSING UNIT ON ROOF FOR DUCTLESS SPLIT SYSTEM SERVING BOOTH. REFER TO DETAIL ON THIS SHEET FOR MORE INFORMATION. LOCATION ON THIS SHEET IS APPROXIMATE. UNITS SHALL BE LOCATED TO MAINTAIN A MINIMUM 8'-0" CLEARANCE FROM EXISTING RISERS AND 2'-0" CLEARANCE FROM OTHER EXISTING EQUIPMENT.
 4. HALL CASSETTE - PROVIDE WALL MOUNTED DUCTLESS SPLIT SYSTEM AS SCHEDULED. MOUNT TOP OF UNIT IMMEDIATELY BELOW CEILING GRID.
 5. CONDENSATE - PROVIDE 3/4" COPPER CONDENSATE LINE DOWN TO FLOOR SINK. PROVIDE 1/2" RSI INSULATION WITH VAPOR BARRIER FOR ALL CONDENSATE PIPE WITHIN BOOTH.
 6. THERMOSTATS - PROVIDE TYPED ADHESIVE LABEL WITH THE FOLLOWING: TSP-1 BE SET TO 75°F AND TSP-2 AND TSP-3 SHALL BE SET TO 68 DEG F°.
 7. CONDENSING UNIT - PROVIDE CONDENSING UNIT ON ROOF FOR BLOWER COIL UNIT.
 8. BLOWER COIL UNIT - PROVIDE BLOWER COIL UNIT AS SCHEDULED FOR LASER RACK COOLING. BLOWER COIL UNIT SHALL BE MOUNTED ON A 1/2" NEOPRENE PAD. PROVIDE SUFFICIENT AMOUNT OF STRUCTURAL STEEL BELOW UNIT TO ALLOW FOR CONDENSATE TRAP INSTALLATION. REFER TO LOWER COIL UNIT DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.
 9. MOTORIZED DAMPER - PROVIDE 120V MOTORIZED DAMPER FOR BACKUP COOLING EXHAUST SYSTEM. REFERENCE BOOTH HVAC SCHEMATIC ON THIS SHEET FOR CONTROL. COORDINATE VOLTAGES WITH ELECTRICAL CONTRACTOR.
 10. REFER TO DOMESTIC DEVELOPMENT SHEET M203 FOR CONTINUATION.
 11. REFER TO DOMESTIC DEVELOPMENT SHEET M204 FOR GRILLE, REGISTER & DIFFUSER SCHEDULE.
 12. FLOOR SINK - REFER TO DOMESTIC DEVELOPMENT SHEET P103 FOR CONTINUATION.
 13. TRANSFER DUCT - REFER TO DOMESTIC DEVELOPMENT SPECIFICATIONS FOR TRANSFER DUCT REQUIREMENTS.
 14. RETURN GRILLE - PROVIDE RETURN GRILLE IN CEILING GRID.

GRILLE, REGISTER, & DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	FACE SIZE	NECK SIZE	DAMPER	NOTE
SI	TITUS	30CF5	SUPPLY	AS NOTED	NOTED	NO	1
RI	THINCELL	T-24	RETURN			NO	2

NOTES:
 1. PROVIDE OPPOSED BLADE DAMPER.
 2. 1/2" ES66GRATE, 2x4.

GENERAL NOTES (APPLY TO ALL ABOVE):
 A. MAXIMUM NG OF 30 FOR ALL GRILLES, REGISTERS, AND DIFFUSERS.
 B. WHERE NOT NOTED, DIFFUSER NECK SIZE SHALL BE THE SAME AS THE BRANCH DUCT UNLESS NOTED OTHERWISE, COLOR SHALL BE MATTIE BLACK.

BLOWER COIL SCHEDULE

INDOOR UNIT										OUTDOOR UNIT					NOTES		
MARK	MANUF.	MODEL	SUPP. CAP. (CFM)	FAN TYPE	HP	TSE	IP	DX COOLING COIL (EAT / DB/WB / DB/WB / VEL)	V/PH	MCA	MOCP	MARK	MODEL	V/PH		MCA	MOCP
BC-DLB	TRANE	BCD036	1800	DRIFT	1	1.8	1	84/67.4 / 62/56.7 / 600 FPM	208/1	10	15	CU-DLB2	41TR1036	208/1	24	35	1,2,3,4
BC-DLB2	TRANE	BCD036	1800	DRIFT	1	1.8	1	84/67.4 / 62/56.7 / 600 FPM	208/1	10	15	CU-DLB2	41TR1036	208/1	24	35	1,2,3,4

NOTES:
 1. PROVIDE WITH FACTORY INSTALLED AND WIRE DISCONNECT FOR SINGLE-POINT ELECTRICAL CONNECTION.
 2. MAXIMUM WIND SPEED SHALL BE AS SCHEDULED. IT IS ACCEPTABLE AND DESIRED TO EXCEED THIS AMOUNT, BUT LIMIT TO A MAXIMUM COIL FORCE VELOCITY OF 600 FPM.
 3. FIELD INSTALLED EXPANSION VALVE, CONDENSATE OVERFLOW SWITCH, FILTER SWITCH, DISCHARGE AIR SENSOR, AND WALL MOUNTED TEMPERATURE SENSOR WITH 'COOLANCO' OPTION.
 4. PROVIDE CONDENSATE UNIT WITH MANUFACTURER'S LOW AMBIENT KIT TO ALLOW FOR OPERATION DOWN TO 0 DEGREES F.

GENERAL NOTES (APPLY TO ALL ABOVE):
 A. PROVIDE 1" MERV 8 FILTERS.
 B. MAXIMUM BHP FOR FANS SHALL NOT EXCEED 90% OF THE MOTOR NAMEPLATE RATINGS AT OPERATING CONDITIONS.
 C. REFER TO DRAWINGS FOR UNIT CONFIGURATION. UNITS SHALL BE MIRRORRED TO ALLOW ACCESS TO MOTOR AND FILTER REPLACEMENT.
 D. PROVIDE A CONDENSATE DRAIN WITH A TRAP DEPTH 2" DEEPER THAN THE EXPECTED STATIC PRESSURE AT THE DRAIN LOCATION IN THE UNIT.
 E. FOR FLOOR-MOUNTED INTERIOR UNITS, PROVIDE A HOUSEKEEPING PAD OF ADEQUATE HEIGHT FOR CONDENSATE DRAIN TRAP.
 F. PROVIDE EVAPORATOR DEFROST CONTROL. UNIT SHALL OPERATE DOWN TO 30 DEG F AMBIENT. CONDENSING UNIT SHALL BE SELECTED AT 105 DEG F AMBIENT.
 G. SET THE FAN TO RUN CONTINUOUSLY.

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	S.P.	DRIVE	BHP	HP	RPM	dBA	V/PH	NOTES
EF-DLB	LOREN COOK	10IC2RD (VF)	710	1	DIRECT	0.254	1/8	2,093	67	120/1	1, 2, 3, 4
EF-DLB2	LOREN COOK	10IC2RD (VF)	710	1	DIRECT	0.254	1/8	2,093	67	120/1	1, 2, 3, 4

NOTES:
 1. PROVIDE WITH FACTORY INSTALLED AND WIRE DISCONNECT.
 2. PROVIDE WITH BACKDRAFT DAMPER.
 3. PROVIDE TALL ROOF CURB, HEIGHT AS REQUIRED TO PROVIDE 18" CLEARANCE ABOVE FINISHED FLOOR.
 4. PROVIDE BIRD SCREEN.

DUCTLESS SPLIT SYSTEM SCHEDULE

MARK	MANUFACTURER	INDOOR		OUTDOOR		TOTAL CAPACITY	ELECTRICAL			NOTES
		MODEL	MODEL	MODEL	MODEL		V/PH	MCA	MOCP	
D55-LIC-H	DAIKIN	FTX56ALVJ	RKS56LVJ	36.0	208/1	19.5	25	1, 2, 3, 4, 5		

NOTES:
 1. FURNISH WITH REFRIGERANT LINE SETS CAPABLE OF PRODUCING NOMINAL CAPACITY AT 0 DEF. F.
 2. PROVIDE UNIT WITH LOW AMBIENT KIT.
 3. FURNISH WITH FREEZE/STAT.
 4. FURNISH WITH MANUFACTURER'S REMOTE WIRE THERMOSTAT FOR EACH INDOOR UNIT, MODEL BR244482.
 5. FURNISH WITH MANUFACTURER'S CONDENSATE PUMP, MODEL D2CA-CPS.

GENERAL NOTES (APPLY TO ALL ABOVE):
 A. AT 45° AMBIENT AIR TEMPERATURE, 50°F DB/65°F WB ENTERING INDOOR UNIT.
 B. REFRIGERANT LINES SHALL BE FIELD INSTALLED BY THE CONTRACTOR.
 C. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.

PLM1

AMC MADISON YARDS 8
 AMC NEW BUILD
 805 MEMORIAL DR SE
 ATLANTA, GA 30316

PLM1

REV DATE DESCRIPTION

REV	DATE	DESCRIPTION

KEY PLAN:

SHEET TITLE:
 BOOTH MECHANICAL PLAN, SCHEDULES & DETAILS

SHEET NUMBER:
 PLFM1