

MECHANICAL GENERAL NOTES

- A NOT ALL DUCTWORK, PIPING, AND ACCESSORIES ARE NECESSARILY SHOWN ON THIS DRAWING. BUT WHAT IS DEEMED NECESSARY TO SHOW INTENT OF WORK INVOLVED IN THIS PROJECT. REFER TO ALL PLANS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS FOR COMPLETE SYSTEM
- CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATION OF MATERIAL OR PERFORMING ANY WORK. DEVIATIONS FROM CONDITIONS SHOWN IN THESE PLANS SHALL BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY AND NO WORK SHALL BE PERFORMED IN THIS AREA UNTIL A RESOLUTION HAS BEEN ESTABLISHED. SITE CONDITIONS DIFFERING FROM THOSE SHOWN ON THESE PLANS WILL NOT BE GENERALLY CONSIDERED A BASIS FOR CONTRACT MODIFICATION AS THE CONTRACTOR SHALL TAKE INTO ACCOUNT WORST CASE SITE CONDITIONS WHEREVER POSSIBLE.
- COORDINATE ALL PENETRATIONS OF FLOOR, ROOF, WALLS, ETC. WITH GENERAL CONTRACTOR. ALL PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION SHALL BE SEALED WITH A FIRE RATED CAULK EQUAL TO OR EXCEEDING THE CONSTRUCTION FIRE RATING.
- ALL NEW MATERIALS IN THE RETURN AIR PLENUM SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50 IN ACCORDANCE WITH SECTION 602.2.1 OF THE 2009 INTERNATIONAL MECHANICAL CODE.
- FLEXIBLE AIR DUCTS SHALL CONFORM TO UL181 IN ACCORDANCE WITH SECTION 603.6 OF THE 2009 INTERNATIONAL MECHANICAL CODE. LENGTH OF FLEX DUCT SHALL NOT EXCEED 5 FT.
- ALL MECHANICAL EQUIPMENT SHALL BE LABELED AS TO THE AREA(S) SERVED IN ACCORDANCE WITH SECTION 304.11 OF THE 2009 INTERNATIONAL MECHANICAL CODE.
- G PROVIDE ACCESS DOORS OR OTHER MEANS OF APPROVED ACCESS TO ALL FIRE AND FIRE/SMOKE DAMPERS. ACCESS DOORS SHALL BE LABELED ON THE ACCESS DOOR AND ON THE CEILING BELOW.
- PROVIDE AND INSTALL A BALANCING DAMPER AT EACH BRANCH TAKEOFF FOR THE SUPPLY AND EXHAUST AIR SYSTEMS. PROVIDE AND INSTALL A BALANCING DAMPER AT EACH BRANCH TAKEOFF FOR THE RETURN AIR SYSTEM WHERE INDICATED. BALANCING DAMPERS LOCATED ABOVE GYPSUM BOARD OR OTHER INACCESSIBLE CEILINGS SHALL BE INSTALLED WITH A CONCEALED DAMPER REGULATOR AND COVER PLATE, PAINTED TO MATCH CEILING COLOR.

MECHANICAL GENERAL NOTES (CONTINUED)

- I. MOUNT SPACE TEMPERATURE SENSORS, THERMOSTATS, AND REMOTE CONTROL DEVICES WITH CENTERLINE AT 48" A.F.F. UNLESS OTHERWISE
- PROVIDE BALANCE REPORT TO INSPECTOR AT TIME OF HEATING FINAL IN ACCORDANCE WITH 2009 INTERNATIONAL MECHANICAL CODE. SUBMIT TO ARCHITECT FOR FINAL APPROVAL.
- K DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE 2009 EDITION OF THE INTERNATIONAL ENERGY CONSERVATION
- L DUCT SIZES SHOWN REPRESENT CLEAR INSIDE DIMENSIONS.
- ALL RECTANGULAR DUCT ELBOWS OR CHANGES IN DIRECTION OF 45 DEGREES OR GREATER, OTHER THAN BRANCH CONNECTIONS SHALL INCLUDE DOUBLE THICKNESS AIRFOIL SHAPED TURNING VANES.
- N UNLESS NOTED OTHERWISE, DIFFUSER/GRILLE/REGISTER NECK SIZE SHOWN ON DRAWINGS INDICATES SIZE OF DUCT TO DIFFUSER/GRILLE/REGISTER.
- O COORDINATE FINAL LOCATION OF DUCTWORK, PIPING, DIFFUSERS, ETC. WITH ALL OTHER TRADES BEFORE FABRICATION OR INSTALLATION.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED OFFSETS, TRANSITIONS AND FITTINGS FOR DUCTWORK AND PIPING FOR COMPLETE SYSTEM.
- Q UNLESS NOTED OTHERWISE, PROVIDE BELL MOUTH SPIN-IN FITTING WITH A 2" STAND-OFF BRACKET AND LOCKING QUADRANT VOLUME DAMPER FOR ALL DIFFUSER CONNECTIONS.
- R COORDINATE LOCATION OF ALL WALL/CEILING MOUNTED DIFFUSERS AND GRILLES WITH ALL TRADES AND GENÉRAL CONTRACTOR.
- S PROVIDE AND INSTALL 1/4" BIRDSCREEN ON OPENINGS FREELY COMMUNICATING WITH THE OUTDOORS.
- T FOR AIR HANDLING EQUIPMENT WITH A CAPACITY OF 2,000 CFM OR GREATER, A SMOKE DETECTOR SHALL BE INSTALLED IN THE RETURN AIR STREAM. THIS DOES NOT APPLY TO EXHAUST FANS EF-1 AND EF-2.
- U PROVIDE 115V MAINTENANCE RECEPTACLE WITHIN 25'-0" OF EQUIPMENT.
- BUILDING EXHAUST AND VENTS SHALL BE INSTALLED A MINIMUM OF 10'-0" FROM VENTILATION INTAKES.

KEYED NOTES

- (1) EXHAUST FAN. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS.
- 2 EXHAUST FAN. REFER TO ARCHITECTURAL PLANS FOR
- $\overline{3}$ MOUNT BOTTOM OF SUPPLY AIR DIFFUSER AT 10'-0" A.F.F.
- $\langle 4 \rangle$ MOUNT BOTTOM OF RETURN AIR DIFFUSER AT 2'-0" A.F.F.
- (5) REFER TO ARCHITECTURAL PLANS FOR LOCATION.
- 6 LOUVER (ABOVE). REFER TO ARCHITECTURAL PLANS FOR
- DUVER (BELOW). REFER TO ARCHITECTURAL PLANS FOR LOCATION.
- $\langle 8 \rangle$ 96"x62"x6" THICK CONCRETE PAD.

1 BLOWER BUILDING MECHANICAL PLAN

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SYMBOL LEGEND				
SYMBOL DESCRIPTION				
	POSITIVE PRESSURE DUCT			
	NEGATIVE PRESSURE DUCT			
→→	AIR FLOW DIRECTION			
A 275 8ø	AIR DEVICE CALLOUT — TOP DENOTES CFM BOTTOM DENOTES NECK SIZE (SEE SCHEDULES)			
EF .	EQUIPMENT CALLOUT - SEE SCHEDULES			

XREF FILENAMF BASE DWG: G: PLOT STYLE FILE: 1050C.ct

REVISIONS	
ATE 21/2012	DESCRIPTION ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (BLOWER BUILDING)
17/2012	ISSUED FOR CONSTRUCTION PER PPRBD BLDG PERMIT NO. 129081 (BLOWER BLDG)

FILENAME: \g:\LFMSDD\20166\310\MBB1.dv MECHANICAL PLAN BLOWER BUILDING

LOWER	FOUNTAIN	М
DRAWN	MK/MAM	
DESIGNED	MK	
CHECKED	MK	
DATE	2012	
PROJECT NO.	20166.310	
GMS FILE NO	2599	

GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300

COLORADO SPRINGS, COLORADO 80903

