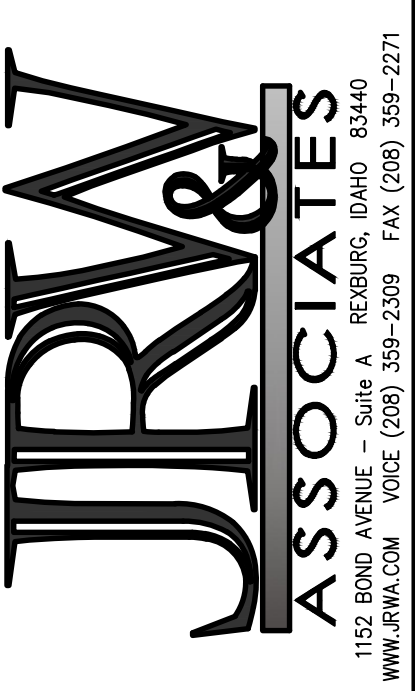
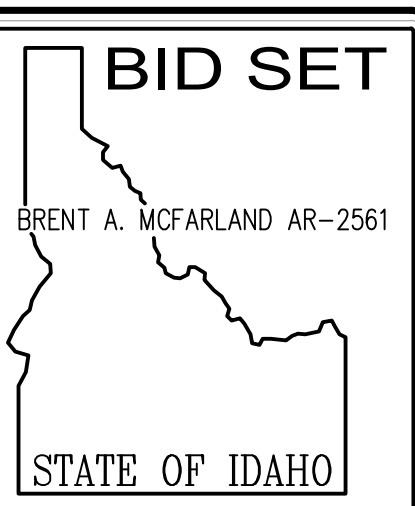


RISE 36x24 RETURN AIR DUCT UP IN CHASE. CONNECT 30" Ø DUCT TO VERTICAL DUCT IN JOIST SPACE.

RISE 36x24 RETURN AIR DUCT UP IN CHASE. CONNECT 30" Ø DUCT TO VERTICAL DUCT IN JOIST SPACE.

- PLAN NOTES:**
- PROVIDE AND INSTALL RETURN AIR GRILLE AS SPECIFIED. MOUNT GRILLE AT 6" ABOVE FLOOR. RISE 36x24 DUCT UP IN CHASE TO JOIST SPACE. CONNECT 30" Ø DUCT TO VERTICAL DUCT IN JOIST SPACE.
 - CONNECT 30" Ø ROUND SPIRAL DUCT TO 36x24 VERTICAL SHEET METAL RETURN DUCT IN JOIST SPACE. DUCT TO BE RUN THRU JOIST SPACE. COORDINATE WITH BUILDING STRUCTURE AND LIGHT FIXTURES.
 - 30" Ø ROUND DUCT TO BE FABRIC DUCT SIMILAR TO DUCTSOX WITH INTERNAL HOOP SUPPORT SYSTEM SPACED AT 5'-0" ON CENTERS. PLACE LINEAR AIR VENTS IN DUCT (IN GYMNASIUM ONLY) TO ACHIEVE 6000 TOTAL CFM FLOW WITH A MAXIMUM VELOCITY OF 300 FPM THRU ANY SINGLE VENT. FABRIC DUCT TO BE RUN THRU ROOF JOIST SPACE. COORDINATE WITH BUILDING STRUCTURE AND LIGHT FIXTURES.
 - INSTALL RELIEF AIR GRILLE AND OUTSIDE LOUVER ABOVE DOORWAY AT 12'-0" TO BOTTOM. PROVIDE SHEET METAL SLEEVE THRU WALL WITH MOTORIZED DAMPER. INTERLOCK DAMPER WITH CORRESPONDING HEAT PUMP UNIT IN MEZZANINE MECHANICAL ROOM. REFER TO DETAIL C/M3.1 FOR TYPICAL INSTALLATION.
 - REFER TO LARGE SCALE MEZZANINE MECHANICAL ROOM ON SHEET M2.1 FOR CONTINUATION OF DUCTWORK.
 - MOUNT SENSOR ON WALL WITH LOCKING METAL COVER.
 - PROVIDE AND INSTALL MINI-SPLIT SYSTEM FAN COIL UNIT WITH REMOTE CONDENSING UNIT AS SPECIFIED. MOUNT INDOOR UNIT ON WALL AS HIGH AS POSSIBLE. RISE REFRIGERANT AND CONDENSATE DRAIN LINES UP IN WALL AND EXTEND THRU ROOF. CONDENSATE PUMP TO BE SUPPLIED WITH UNIT. MOUNT OUTDOOR UNIT ON ROOF WITH PYRAMID TYPE SUPPORTS. REFER TO DETAIL C/M3.1 FOR TYPICAL PIPING CONNECTIONS AND SUPPORT.
 - RISE 3/8" L, 5/8" S, AND 3/4" CD PIPING UP THRU ROOF IN 6" Ø PIPE WITH GOOSENECK. CONNECT REFRIGERANT PIPING TO ROOF MOUNTED CONDENSING UNIT. TERMINATE CONDENSATE DRAIN LINE AT ROOF LEVEL. A MINIMUM OF 18" AWAY FROM ROOF PENETRATION. REFER TO NMB.1 FOR TYPICAL GOOSENECK PIPE THRU ROOF.
 - PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RISE 6" Ø DUCT UP THRU ROOF WITH WEATHER CAP. REFER TO DETAIL H/M3.1 FOR TYPICAL INSTALLATION.
 - RUN SUPPLY AND RETURN DUCTS IN CEILING SPACE AS SHOWN UNDER BASE BID. CAP END OF DUCTS WITHIN 12" OF EXTERIOR WALL FOR FUTURE CONNECTION. KEEP DUCTWORK AS HIGH AS POSSIBLE.
 - EXPOSED DUCTWORK ON STAGE TO BE PAINTED FLAT BLACK. DIFFUSERS ARE TO BE MOUNTED FLUSH WITH BOTTOM OF DUCT WITH EXTRACTION DAMPER INSIDE DUCTWORK. PAINT GRILLE FLAT BLACK.
 - RUN 1-1/4" HEAT PUMP SUPPLY AND RETURN PIPING UNDER BASE BID AS SHOWN. KEEP PIPING AS HIGH AS POSSIBLE ACROSS STAGE AND PAINT FLAT BLACK. DROP PIPING TO WITHIN 24" ABOVE CEILING IN STORAGE ROOM. LOOP PIPING TOGETHER WITH 1-1/4" CAPPED TEES WITH SHUT-OFF VALVES AND BY-PASS VALVE FOR FUTURE CONNECTION. SEE SHEET M1.1 FOR BID ALTERNATE #1 CONDITIONS.



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PROJECT: SUGAR - SALEM JUNIOR HIGH SCHOOL
DRAWING TITLE: MECHANICAL FLOOR PLAN - AREA 'A'

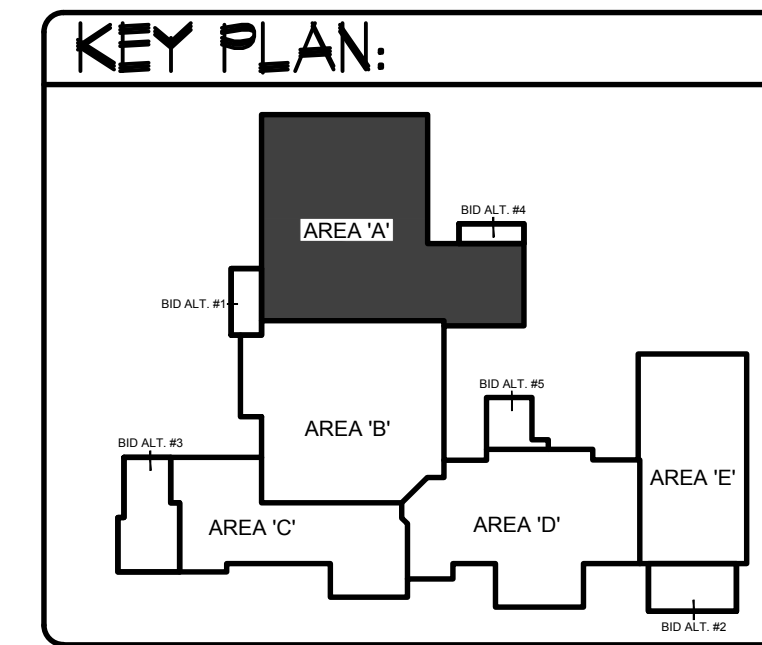
#	DATE	COMMENT

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CHECKED BY: D. SUDNEEKS	DATE: APR '20
PLOT DATE: Apr 06, 2020	
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OF 17	

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDNEEKS
DATE ORIGINAL SIGNED: Mar 05, 2020
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AREA 'A' MECHANICAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

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