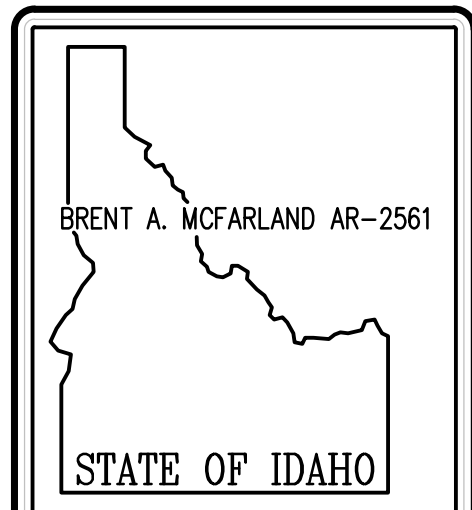


MAIN LEVEL MECHANICAL PLAN
SCALE: 1/8" = 1'-0"
NORTH

PLAN NOTES:

- 1 PROVIDE AND INSTALL FLOOR GRILLES AS SPECIFIED. DROP BOOT THRU FLOOR AND CONNECT TO 8" SUPPLY AIR DUCT IN CRAWL SPACE. SEE SHEET M1.0 FOR DUCTWORK IN CRAWL SPACE AND TO DETAIL K/M3.1 FOR TYPICAL BOOT AND DUCT CONNECTION.
- 2 RISE 12x3 SA DUCT UP IN WALL AND CONNECT TO SIDEMALL GRILLE. MOUNT GRILLE AT 6" ABOVE FLOOR. COORDINATE DUCT LOCATION WITH FLOOR JOISTS. REFER TO DETAIL G/M3.1 FOR TYPICAL INSTALLATION.
- 3 RISE 12x3 RA DUCT UP IN WALL AND CONNECT TO SIDEMALL GRILLE. MOUNT GRILLE AT 8'-0" ABOVE FLOOR OR 6" BELOW CEILING (WHICHEVER IS LOWER). COORDINATE DUCT LOCATION WITH FLOOR JOISTS. REFER TO DETAIL F/3.1 FOR TYPICAL INSTALLATION.
- 4 RISE 12x2 SA DUCT UP BELOW CABINET AND CONNECT TO TOE SPACE GRILLE. COORDINATE DUCT LOCATION WITH FLOOR JOISTS. REFER TO DETAIL G/M3.1 FOR TYPICAL INSTALLATION.
- 5 PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RISE 6" DUCT UP THRU ROOF WITH CURB AND ROOF CAP. REFER TO DETAIL D/M3.1 FOR TYPICAL INSTALLATION.
- 6 RISE 4" DRYER VENT UP IN WALL AND EXTEND THRU ROOF WITH WEATHERCAP. PROVIDE MODEL DB425 DRYER BOX IN WALL TO CORRESPOND WITH DRYER ELEVATION. REFER TO DETAIL W/M3.1 FOR TYPICAL INSTALLATION.
- 7 PROVIDE (2) 16x12 VENTS THRU WALL. MOUNT (1) VENT AT 6" ABOVE FLOOR AND (1) VENT AT 6" BELOW CEILING.
- 8 RISE 16x12 OUTSIDE AIR DUCT UP AT END OF CLOSET. EXTEND THRU ROOF WITH GOOSENECK. PROVIDE BUG SCREEN AT OUTLET. REFER TO DETAIL O/M3.1 FOR TYPICAL GOOSENECK INSTALLATION. DROP DUCT THRU MAIN LEVEL FLOOR. REFER TO SHEET M1.0 FOR CONTINUATION.
- 9 RISE 3" FURNACE VENTS UP IN WALL FROM FURNACES BELOW. REFER TO LARGE SCALE MECHANICAL ROOM ON SHEET M2.1. REFER TO DETAIL L/M3.1 FOR CONCENTRIC VENT FITTING THRU ROOF.
- 10 RISE 10x4 EXHAUST DUCT UP FROM FAN BELOW IN WALL. TRANSITION TO 6" ABOVE MAIN LEVEL CEILING AND EXTEND THRU ROOF WITH CURB AND ROOF CAP. REFER TO DETAIL D/M3.1 FOR TYPICAL CONNECTION.
- 11 PROVIDE AND INSTALL ROOF TOP UNIT AS SPECIFIED ON ROOF WITH ROOF CURB. DROP DUCTS DOWN THRU ROOF AND RUN AS SHOWN. REFER TO DETAIL D/M3.2 FOR TYPICAL MOUNTING. UNIT TO HAVE HEPA FILTERS.
- 12 MOUNT RETURN GRILLE AT 6" ABOVE FLOOR. RISE DUCT UP IN CHASE TO ABOVE CEILING.
- 13 DROP 12x3 SA DUCT DOWN IN WALL AND CONNECT TO SIDEMALL GRILLE. MOUNT GRILLE AT 6" ABOVE FLOOR.
- 14 RUN REFRIGERANT PIPING ALONG WALL AND COVER WITH SHEET METAL COVER. REFER TO DETAIL E/M3.2 FOR TYPICAL REFRIGERANT PIPE COVER.
- 15 PROVIDE FILTER BANK WITH 24x24 HEPA FILTER. TRANSITION DUCTWORK AS REQUIRED FOR FILTER AND PROVIDE ACCESS DOOR IN DUCT FOR FILTER REMOVAL. COORDINATE FILTER BANK LOCATION WITH DUCTWORK AND CEILING ACCESS HATCH.



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REBERG, IDAHO
DRAWING TITLE: MAIN LEVEL MECHANICAL PLAN

#	DATE	COMMENT

REVISION:

DATE ORIGINAL SIGNED: 8/14/2014
DATE ORIGINAL FILED: 8/14/2014
ORIGINAL ON FILE: ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER POCATELLO, IDAHO 83201

DRAWN BY: M THIEL JOB NO: 787
CHECKED BY: M JENSEN DATE: AUGUST 2014
PLOT DATE: Aug 14, 2014
DRAWING NO. M.1
OF FIVE

ORIGINAL DRAWING SIGNED BY: PAYNE C. SUDBECKS
DATE ORIGINAL SIGNED: 8/14/2014
DATE ORIGINAL FILED: 8/14/2014
ORIGINAL ON FILE: ENGINEERED SYSTEMS ASSOCIATES
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PRELIMINARY DRAWING NOT FOR CONSTRUCTION

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