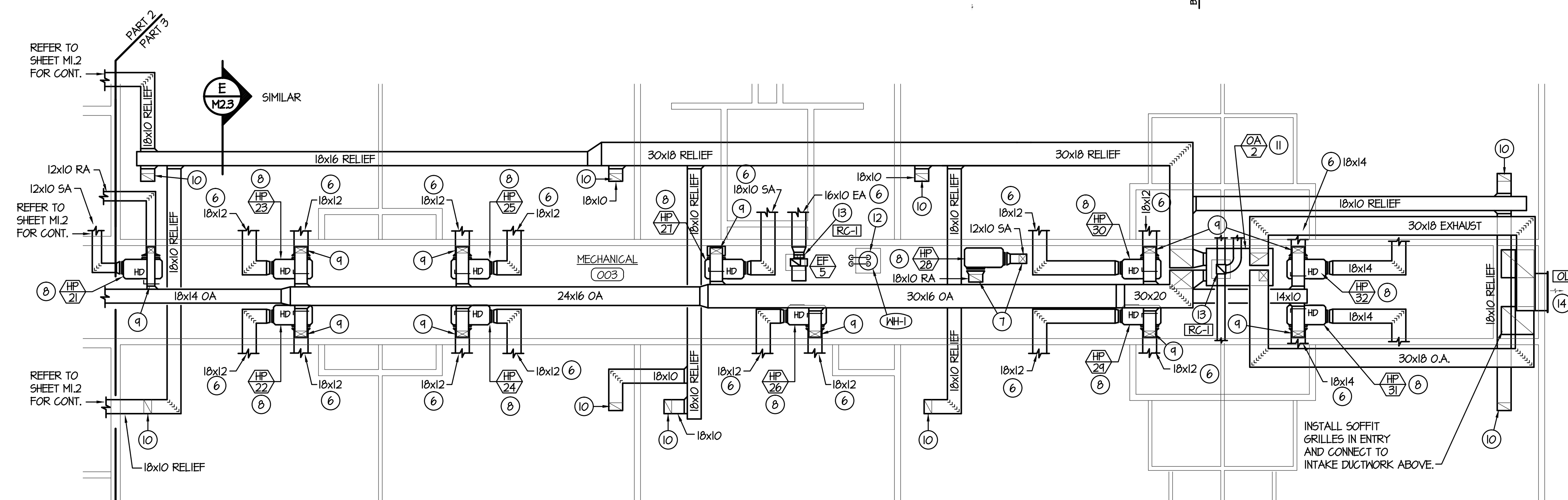
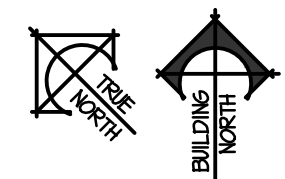


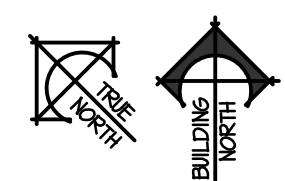
**MAIN LEVEL MECHANICAL FLOOR PLAN - PART 3**

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



**MEZZANINE LEVEL MECHANICAL FLOOR PLAN - PART 3**

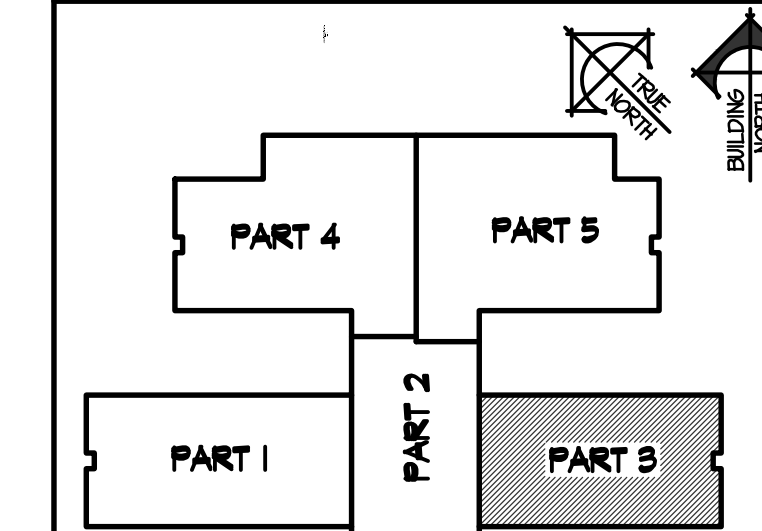
SCALE: 1/8" = 1'-0"



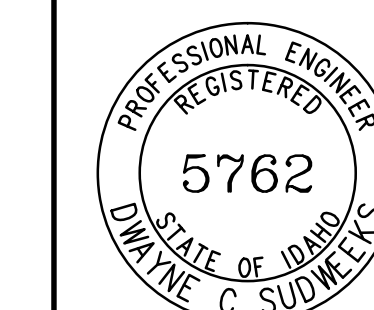
**PLAN NOTES:**

- 1 SEE MEZZANINE LEVEL PLAN - THIS SHEET FOR CONTINUATION OF DUCTWORK.
- 2 RISE DUCTWORK UP TO HEAT PUMP ABOVE. SEE MEZZANINE LEVEL PLAN - THIS SHEET FOR CONT.
- 3 MOUNT RETURN GRILLE OVER CABINET IN FURRED SPACE AS LOW AS POSSIBLE. INSTALL 24" DEEP FLENUM BEHIND RETURN AIR GRILLE. RISE RETURN AIR DUCT OFF THE TOP OF FLENUM AND RUN TO HEAT PUMP ON MEZZANINE MECHANICAL WALKWAY.
- 4 PROVIDE LOCKING METAL COVER OVER SENSORS IN PUBLIC AREAS. COORDINATE LOCATION OF SENSORS IN CORRIDORS WITH COAT RACKS, BULLETIN BOARDS AND OTHER ITEMS BEING INSTALLED. FIELD VERIFY EXISTING CONDITIONS.
- 5 RELIEF AIR GRILLE FOR CLASSROOM. COORDINATE LOCATION WITH CEILING GRID AND LIGHT FIXTURES. REFER TO UPPER LEVEL FLOOR PLAN FOR DUCTWORK CONNECTIONS.
- 6 SEE MAIN LEVEL FLOOR PLAN - THIS SHEET FOR CONTINUATION OF DUCTWORK.
- 7 DROP DUCTWORK DOWN THRU MECH. ROOM FLOOR. SEE MAIN LEVEL FLOOR PLAN FOR CONTINUATION.
- 8 HANG HEAT PUMPS FROM TRUSSES 36" ABOVE MECHANICAL CORRIDOR FLOOR. INSTALL DRIP PAN BELOW EACH UNIT. (TYPICAL) SEE DETAIL C/M3.2
- 9 DROP OUTSIDE AIR DUCT DOWN AND CONNECT TO RETURN AIR DUCT. PROVIDE MANUAL BALANCING DAMPER IN EACH OUTSIDE AIR DUCT CONNECTION. REFER TO OUTSIDE AIR REQUIREMENTS SCHEDULE ON SHEET M3.4 FOR DUCT SIZES TO INDIVIDUAL HEAT PUMPS.
- 10 CONNECT 18x10 RELIEF AIR DUCT TO GRILLE IN CEILING. RUN RELIEF DUCT THRU CEILING SPACE AS SHOWN TO CORRESPONDING HEAT RECOVERY UNIT.
- 11 INSTALL HEAT RECOVERY UNIT ON DECK OF MEZZANINE LEVEL WITH VIBRATION ISOLATORS AT EACH CORNER. RISE DUCTWORK UP AND RUN OVER HEAD TO HEAT PUMPS, CLASSROOMS AND LOUVERS AS SHOWN. REFER TO TYPICAL DETAIL A/M2.2
- 12 PLUMBING CONTRACTOR TO PROVIDE AND INSTALL WATER HEATER ON MEZZANINE FLOOR WITH SHEET METAL DRAIN PAN. COORDINATE LOCATION WITH OTHER EQUIPMENT AND PIPING. SEE DETAIL C/F3.1 FOR PIPING CONNECTIONS AND DRAIN PAN. CONNECT 3/4" HOT AND COLD WATER LINES TO PIPING AT FLOOR. REFER TO SHEET P2.3 FOR CONTINUATION OF WATER PIPING.
- 13 RISE 18" DUCT UP TO ROOF AND CONNECT TO ROOF CAP. REFER TO DETAIL M/M3.2 FOR INSTALLATION OF ROOF CAP.
- 14 EXHAUST LOUVER TO BE 48x48 BASIC SIZE WITH TOP OF LOUVER SLOPED TO MATCH ROOF PITCH. (REFER TO ARCHITECTURAL ELEVATIONS)
- 15 DROP 3/4" SNOW MELT SUPPLY AND RETURN LINES DOWN IN WALL TO SNOW MELT LOOP IN ENTRY ZONE. REFER TO SHEET M1.5 FOR CONTINUATION OF SNOW MELT PIPING AND ZONE VALVE ON MEZZANINE LEVEL. REFER TO DETAIL C/M2.2 FOR TYPICAL LOOP LAYOUT AND INSTALLATION IN CONCRETE WALKS. (NO MANIFOLD IS REQUIRED FOR THIS ZONE)

**KEY PLAN**



ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS  
 DATE ORIGINAL SIGNED: Feb 08, 2019  
 ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES  
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NEW ELEMENTARY SCHOOL FOR  
**JEFFERSON COUNTY SCHOOL DISTRICT 251**  
 ELEMENTARY SCHOOL  
 RIGBY, IDAHO  
 MECHANICAL FLOOR PLANS - PART 3

PROJECT NO. 18012  
 DATE: FEBRUARY 2019  
 DRAWN BY: M. JENSEN  
 CHECKED BY: D. SUDWEEKS  
 DRAWING NO.:

REVISIONS	CONSTRUCTION SET

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**M1.3**