



- PLAN NOTES:**
- RISE 10x3-1/2" EXHAUST DUCT UP IN WALL ABOVE TO ROOF CAP. SEE SHEET M101 FOR CONTINUATION OF DUCTWORK.
  - RISE (2) 6" EA AND (1) 8" EA DUCT UP IN CHASE TO ROOF CAP ON ROOF ABOVE. SEE SHEET M101 FOR CONTINUATION OF DUCTWORK.
  - RISE 20x20 RA & 20x20 RA UP IN CHASE ABOVE. SEE SHEET M101 FOR CONTINUATION OF DUCTWORK.
  - DROP 12" SA DUCT DOWN IN CHASE AND RUN UNDERSLAB TO FLOOR REGISTERS AS SHOWN. SEE UNDERFLOOR DUCT DETAIL ON SHEET M200.

**MECHANICAL LEGEND**

SYMBOL	DESCRIPTION
(T)	ELECTRONIC THERMOSTAT
(E)	EQUIPMENT SYMBOL
HD	HAND DAMPER
(R)	ROUND BRANCH DUCT WITH HAND DAMPER
(S)	RECTANGULAR SUPPLY AND RETURN AIR DUCT TAKE-OFF
(V)	TURNING VANES
(D)	DUCT TRANSITION
(IF)	INSULATED FLEXIBLE DUCT
(SR)	SIDEWALL REGISTER SUPPLY OR RETURN AIR
(RA)	RETURN AIR OR EXHAUST GRILLE
(CF)	CEILING DIFFUSER
(CM)	CEILING MOUNTED EXHAUST FAN

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS  
 DATE ORIGINAL SIGNED: FEB. 14, 2020  
 ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES  
 1355 EAST CENTER, POCATELLO, IDAHO 83201

**Engineered Systems Associates**  
 1355 EAST CENTER  
 POCATELLO, IDAHO 83201  
 PHONE: (208) 233-0501  
 FAX: (208) 233-0529  
 EMAIL: esa@engsystems.com  
 ESA JOB NUMBER: 18080

**Professional Engineer Registered**  
 5762  
 DWAYNE C. SUDWEEKS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

REVISION	DATE

DRAWN BY:	SR
CHECKED BY:	DCS
JOB NUMBER:	46548-13B
PROJECT DATE:	FEB. 2020
SHEET	OF

**MAIN FLOOR -MECHANICAL PLAN**  
 SCALE: 1/8" = 1'-0"