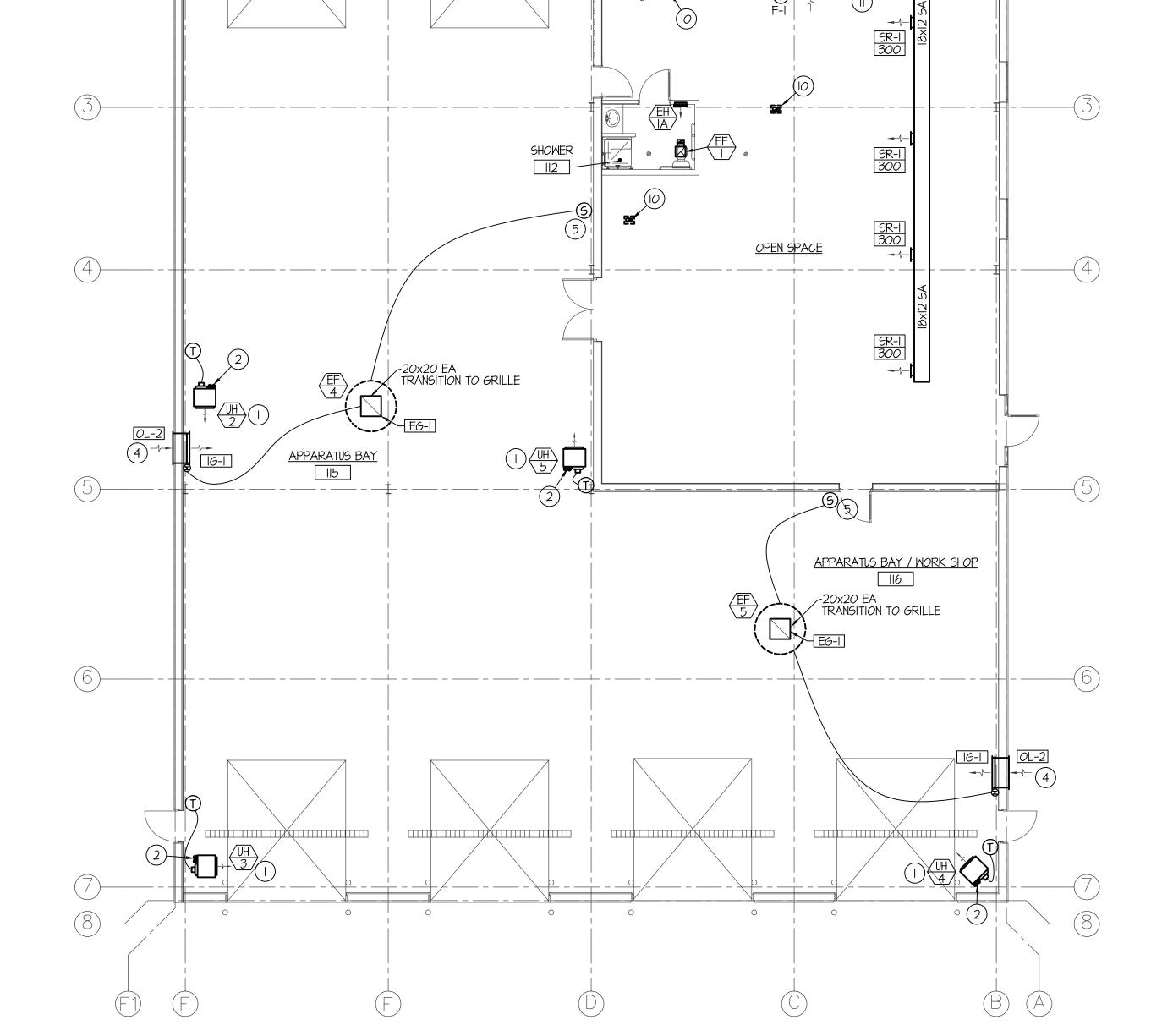


TYPICAL UPFLOW FURNACE

ELEVATION

NO SCALE



SEE LARGE SCALE

110

MECHANICAL ROOM PLAN ON THIS SHEET FOR MECH.

LOCATED IN THIS AREA.

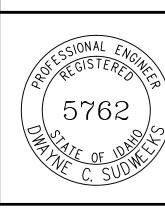


## PLAN NOTES:

- MOUNT UNIT HEATER AT 10'-0" ABOVE FINISHED FLOOR LEVEL.
- 2) RISE (2) 4" PLUES UP THRU ROOF FROM UNIT HEATER TO VERTICAL VENT TERMINATION ASSEMBLY. SEAL ROOF PENETRATION WEATHERTIGHT. SEE DETAIL ON SHEET M200.
- RISE (2) 3"\$ FLUES UP THRU ROOF FROM GAS FURNACE TO VERTICAL VENT TERMINATION ASSEMBLY. SEAL ROOF PENETRATION WEATHERTIGHT. SEE DETAIL ON SHEET M200.
- (4) INSTALL LOUVER AT 48" A.F.F. AND INTERLOCK MOTORIZED DAMPER WITH EXHAUST FAN OPERATION.
- 5 INSTALL CO2 SENSOR ON WALL AND INTERLOCK WITH EXHAUST FAN AND MOTORIZED DAMPER OPERATION.
- 6 INSTALL LOUVER ON WALL OF MECHANICAL ROOM AS HIGH AS POSSIBLE. BLANK OFF UNUSED PORTION OF THE INTERIOR SIDE OF THE LOUVER WITH SHEET METAL AND SEAL AIR TIGHT.
- 7) RUN OUTDOOR AIR DUCTWORK AS HIGH AS POSSIBLE IN MECHANICAL ROOM.
- 8 DROP 8x6 OA DUCT DOWN FROM CEILING TO FURNACE PLENUM AND CONNECT. INSTALL HAND DAMPER, ACCESS PANEL AND MOTORIZED DAMPER IN VERTICAL PORTION OF 8x6 OA DUCT. INTERLOCK MOTORIZED DAMPER WITH FURNACE OPERATION AND BALANCE HAND DAMPER TO 150 CFM.
- 9 INSTALL FURNACE ON 12" HIGH RETURN AIR PLENUM. SEE DETAIL ON SHEET M200.
- INSTALL ROOF CAP ON METAL ROOF IN LOCATION SHOWN FOR FUTURE EXHAUST FAN INSTALLATION. INFILL BOTTOM OF CAP WITH INSULATION AND SEAL WITH SHEET METAL CAP. SEAL ROOF PENETRATION WEATHERTIGHT.
- LEAVE 18x12 RA DUCT OPEN TO SPACE TO PROVIDE RETURN AIR FOR FURNACE F-1.

## MECHANICAL LEGEND DESCRIPTION ELECTRONIC THERMOSTAT EQUIPMENT SYMBOL HD HD HAND DAMPER <u></u> ROUND BRANCH DUCT WITH HAND DAMPER RECTANGULAR SUPPLY AND RETURN AIR DUCT TAKE-OFF TURNING VANES DUCT TRANSITION INSULATED FLEXIBLE DUCT SIDEWALL REGISTER SUPPLY OR RETURN AIR RETURN AIR OR EXHAUST GRILLE CEILING DIFFUSER CEILING MOUNTED EXHAUST FAN GAS FIRED UNIT HEATER

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: JAN. 15, 2020
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCATELLO, IDAHO 83201



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ESA JOB NUMBER: 19057

PROJECT DATE: JAN
SHEET

M100

DRAWN
BY: SR

CHECKED
BY: DC5

JOB
NUMBER: 18469

PROJECT
DATE: JAN. 2020

Anderso

**itecture** r Design

Architecture
Interior Design
Landscape Ar

NCARB ASLA

SHEET TITLE:

BASE BID MECHANICAL FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS

SHOWN OR IMPLIED

DRAWING SCALE APPLIES TO
22" X 34" SHEET SIZE

22" X 34" SHEET SIZE

REVISION DATE

DRAWN
BY: SR