



MECHANICAL ROOF PLAN  
SCALE: 1/8" = 1'-0"  
(BASE BID CONDITIONS)

- PLAN NOTES:**
1. PROVIDE AND INSTALL ROOF MOUNTED EQUIPMENT AS SPECIFIED ON ROOF CURB. COORDINATE EQUIPMENT LOCATION WITH ROOF JOISTS AND SPAN AS MANY JOISTS AS POSSIBLE WITH CURB. DROP SUPPLY AND RETURN DUCTS DOWN THRU ROOF AND RUN IN CEILING SPACE (OR JOIST SPACE) AS SHOWN. REFER TO SHEET P101 FOR GAS PIPING TO UNIT.
  2. PROVIDE SMOKE DETECTOR IN SUPPLY DUCT FOR UNIT SHUT-DOWN. DETECTOR TO TIE INTO BUILDING FIRE ALARM SYSTEM. SEE ELECTRICAL.
  3. PROVIDE AND INSTALL ROOF MOUNTED EXHAUST FAN AS SPECIFIED. MOUNT FAN ON ROOF CURB AND DROP DUCT THRU ROOF TO DIFFUSERS AS SHOWN. REFER TO DETAIL EM301 FOR TYPICAL INSTALLATION.
  4. 6" EXHAUST DUCT UP THRU ROOF WITH ROOF CAP. REFER TO SHEET M101 FOR CEILING MOUNTED FAN.
  5. PROVIDE ROOF MOUNTED EXHAUST FAN AND MAKE-UP AIR UNIT AS SPECIFIED. MOUNT EQUIPMENT ON SINGLE ROOF CURB AND DROP DUCTWORK DOWN THRU ROOF. REFER TO DETAIL DM301 FOR EXHAUST FAN INSTALLATION AND TO DETAILS VM301 AND WM301 FOR TYPICAL DUCTWORK CONNECTIONS.
  6. PROVIDE MINI-SPLIT SYSTEM AS SPECIFIED. MOUNT INDOOR UNIT ON WALL AS HIGH AS POSSIBLE (SEE SHEET M101). RISE REFRIGERANT PIPING UP THRU ROOF AND CONNECT TO OUTDOOR UNIT. MOUNT OUTDOOR UNIT ON ROOF WITH PYRAMID TYPE SUPPORTS. INDOOR UNIT TO BE FURNISHED WITH CONDENSATE PUMP. RISE 3/4" CONDENSATE DRAIN LINE UP THRU ROOF WITH REFRIG. PIPING. REFER TO PIPING DIAGRAM MM301 FOR PIPING CONNECTIONS. REFER TO DETAIL NM301 FOR PIPE PENETRATIONS THRU ROOF WITH GOSSENECK FITTING.
  7. MOUNT CONDENSING UNIT ON ROOF WITH PYRAMID TYPE SUPPORTS. CONNECT REFRIGERANT PIPING TO UNIT AND RUN ON ROOF TO CHASE BY FIRE RACE AS SHOWN. REFER TO SHEET M101 FOR CONTINUATION OF PIPING AND TO PIPING DIAGRAM OM301 FOR TYPICAL INSTALLATION AND PIPING CONNECTIONS.

Myers Anderson

Architecture  
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BID SET  
3-22-2021

ASD  
ACAS  
ALA

PROFESSIONAL ENGINEER  
REGISTERED  
STATE OF IDAHO  
C. SUDWEEKS  
Jan 29, 2021

Engineered  
Systems  
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PROJECT:  
DPW PROJECT NO. 19240  
IDAHO STATE UNIVERSITY  
ALUMNI & VISITOR CENTER  
POCATELLO, IDAHO

SHEET TITLE:  
MECHANICAL  
ROOF PLAN

CONTRACTOR SHALL VERIFY  
ALL DIMENSIONS & CONDITIONS  
SHOWN OR IMPLIED  
DRAWING SCALE APPLIES TO  
36" x 48" SHEET (ANSI D)  
REVISION DATE

DRAWN: M JENSEN  
CHECKED: D SUDWEEKS  
JOB NUMBER: 96548-13B  
PROJECT DATE: FEBRUARY 2021  
SHEET  
M103  
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