



LARGE SCALE MECH. ROOM 115 PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"

PLAN NOTES:

- 1 SEE CIVIL SITE PLAN FOR CONTINUATION OF 2" DOMESTIC CM MAIN.
- 2 SEE CIVIL SITE PLAN FOR CONTINUATION OF 6" FIRE LINE.
- 3 SEE CIVIL SITE PLAN FOR CONTINUATION OF 4" SANITARY SEWER MAIN.
- 4 RISE 1" (2 PSI) GAS LINE UP IN WALL ABOVE TO SERVE ROOFTOP UNIT. SEE SHEET P101 FOR CONTINUATION OF GAS PIPING.
- 5 GAS METER BY LOCAL GAS COMPANY SIZED FOR 3,500,000 BTU AT 2 PSI DELIVERY PRESSURE.
- 6 RISE 6" FIRE LINE UP THRU SLAB TO 6" FIRE RISER ASSEMBLY. SEE DETAIL ON SHEET P301.
- 7 RISE 2" DOMESTIC CM LINE UP THRU SLAB TO WATER PRESSURE REDUCING VALVE ASSEMBLY. SEE DETAIL ON SHEET P300.
- 8 DROP 3/4" (2 PSI) GAS LINE DOWN FROM CEILING OF MECH. ROOM AND CONNECT TO WATER HEATER. INSTALL 2 PSI TO OZ. REGULATOR ON GAS LINE SIZED FOR ACTUAL BTU LOAD OF WATER HEATER SUPPLIED. VENT REGULATOR TO THE EXTERIOR AS REQUIRED. CONNECT 3/4" OZ. GAS LINE TO WATER HEATER COMPLETE WITH SHUT-OFF VALVE, DIRT LEG AND FLEXIBLE CONNECTION. SEE DETAIL ON SHEET P300.
- 9 DROP 3/4" (2 PSI) GAS LINE DOWN FROM CEILING OF MECH. ROOM AND CONNECT TO BOILER. INSTALL 2 PSI TO OZ. REGULATOR ON GAS LINE SIZED FOR ACTUAL BTU LOAD OF BOILER SUPPLIED. VENT REGULATOR TO THE EXTERIOR AS REQUIRED. CONNECT 1/4" OZ. GAS LINE TO BOILER COMPLETE WITH SHUT-OFF VALVE, DIRT LEGS AND FLEXIBLE CONNECTION. SEE DETAIL ON SHEET P300.
- 10 DROP 3/4" SOFT WATER MAKE-UP LINE DOWN AND CONNECT TO BOILER PIPING SYSTEM. INSTALL BACKFLOW PREVENTOR ON 3/4" SOFT CM MAKE-UP LINE PRIOR TO CONNECTION TO SYSTEM. SEE BOILER PIPING DIAGRAM ON SHEET M201.
- 11 6" ROOF DRAIN LINE UP IN CHASE. SEE SHEET P101 FOR CONT. OF PIPING.
- 12 SEE CIVIL SITE PLAN FOR CONTINUATION OF ROOF DRAIN PIPING.
- 13 RISE 1-1/2" CM LINE UP IN WALL ABOVE TO SERVE TOILET ROOMS ABOVE. SEE SHEET P101 FOR CONT. OF PIPING.
- 14 INSTALL COMPLETE FIRE SPRINKLER SYSTEM WITH PIPING AND HEADS AS PER NFPA 13 REQUIREMENTS THROUGHOUT THE BUILDING.
- 15 4" ROOF DRAIN LINE UP IN WALL. SEE SHEET P101 FOR CONT. OF PIPING.
- 16 DROP 1/2" HW AND 1/2" CW DOWN IN WALL AND RUN UNDERCOUNTER TO SERVE S-1 SINK.
- 17 INSTALL REMOTE FDC ON ENCLOSURE WALL AS SHOWN. SEE ALSO FIRE SPRINKLER DWGS.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
V	VENT
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
FD	PIPE DROP
○	PIPE RISE
○	BALL TYPE ISOLATION VALVE
---	SOIL OR WASTE PIPING
---	VENT LINE PIPING
---	DOMESTIC COLD WATER PIPING
---	SOFT COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
---	HOT WATER RECIRC. PIPING
---	GAS PIPING
---	CONDENSATE DRAIN PIPING
---	ROOF DRAIN PIPING
---	ROOF OVERFLOW DRAIN PIPING

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

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PROFESSIONAL ENGINEER REGISTERED 5762
STATE OF IDAHO 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 PLAN - PLUMBING
SCALE: 1/8" = 1'-0"