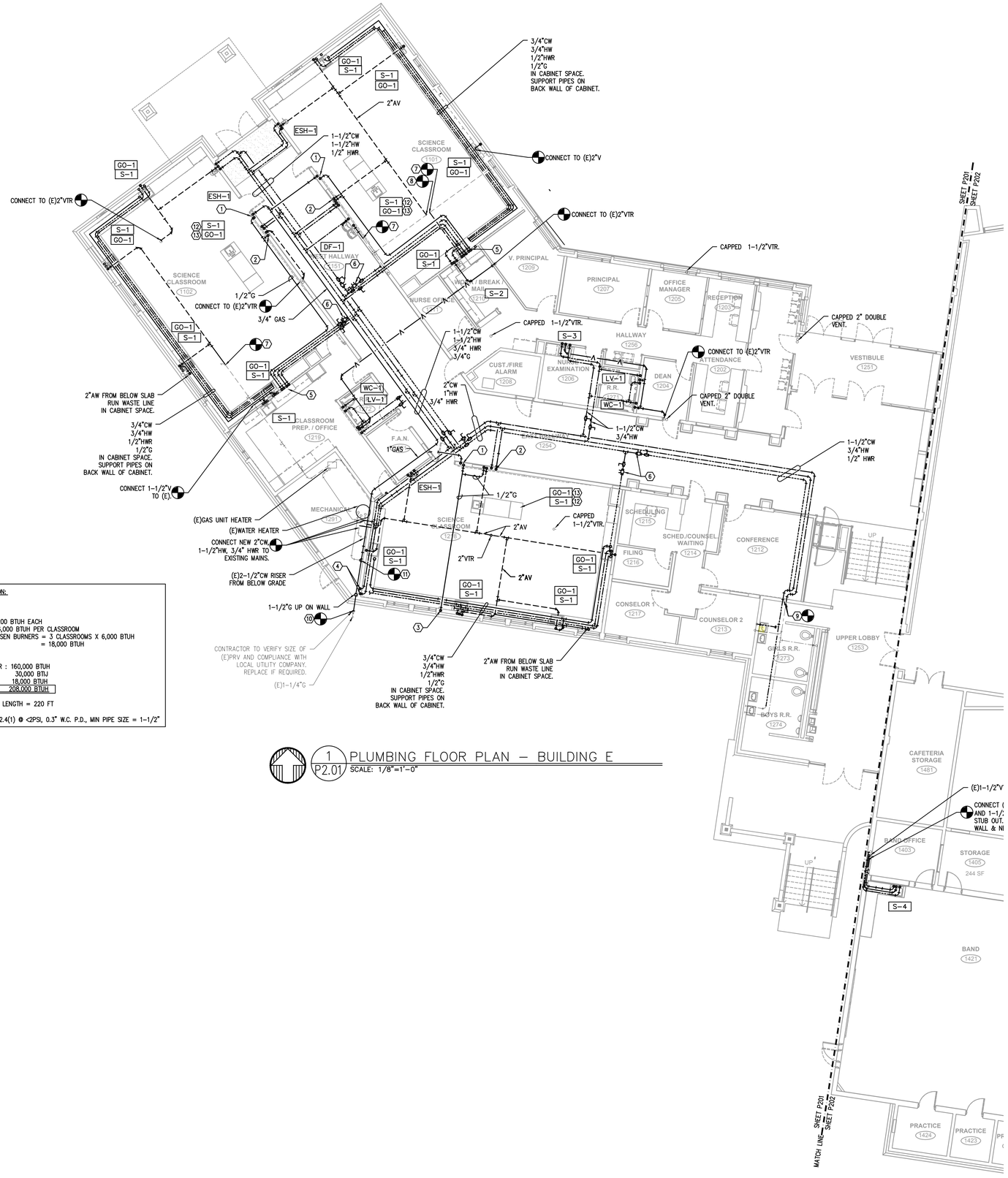

GAS PIPING CALCULATION:

LOAD:

BUNSEN BURNERS @ 1200 BTUH EACH
5 PER CLASSROOM = 6,000 BTUH PER CLASSROOM
TOTAL LOAD FROM BUNSEN BURNERS = 3 CLASSROOMS X 6,000 BTUH
= 18,000 BTUH

TOTAL BUILDING LOAD:
EXISTING WATER HEATER : 160,000 BTUH
EXISTING UNIT HEATER: 30,000 BTU
BUNSEN BURNERS: 18,000 BTUH
TOTAL 208,000 BTUH

TOTAL DEVELOPED PIPE LENGTH = 220 FT

PER OMSC TABLE C 402.4(1) @ <2PSI, 0.3" W.C. P.D., MIN PIPE SIZE = 1-1/2"

1 P2.01 PLUMBING FLOOR PLAN – BUILDING E
SCALE: 1/8"=1'-0"

City Of Bend Approval Stamp:

KEYED NOTES:
1. SCIENCE CLASSROOM EMERGENCY GAS SHUT-OFF. SEE 6/P6.01 FOR DETAIL.
2. 1-1/2"V, 1/2"CW/HW AND 1/2"G DN IN WALL AND UNDERSLAB TO ISLAND FIXTURE.
3. 3/4"CD DN IN WALL TO CABINET SPACE.
4. 3/4"CW/HW DN IN WALL TO CABINET SPACE.
5. 3/4"CW & HW, 1/2" HWR DN IN WALL TO CABINET SPACE.
6. BALANCE VALVE, SET TO 0.5 GPM.
7. CONNECT (N)1-1/2"AV TO (E).
8. CONNECT (N)2"AV TO (E).
9. CONNECT 1-1/2"CW&3/4 HW TO (E)GALVANIZED PIPING AT WALL.
10. CONNECT (N)1-1/2"G TO (E)PRV. PIPE THRU EXISTING WALL ABOVE GRADE AND CLOSE TO MECH FLOOR ELEVATION.
11. CONNECT (E)3/4"G TO NEW 1-1/2"G.
12. SEE 2/P6.01 FOR ISLAND FIXTURE INSTALLATION DETAIL.
13. SEE 5/P6.03 FOR UNDERSLAB GAS PIPING DETAIL.

#	Date	Description

Revision Schedule

PERMIT SET

PILOT BUTTE MIDDLE SCHOOL - BLDGS E&F
1501 NE Neff Road,
Bend OR 97701

BLRB architects

Drawing Title:
PLUMBING FLOOR PLAN
- BUILDING E

Date : 02.09.2018	Drawn By : INITIALS
Revised Date :	Project No. 17.34B
Stamp	Sheet No. P2.01

REGISTERED PROFESSIONAL ENGINEER
17887
JULY 25, 1980
SCOTT W. MILLER
EXPIRES: 31DEC18

MFA Consulting Engineers INC.
2007 S.E. Ash St.
Portland, OR 97214
PHN: (503) 234-0548
FAX: (503) 234-0677
WWW.MFA-ENG.COM
CONTACT: TAKAKO BAKER