

NOTE:

BTU/HR CAPACITIES ARE MAXIMUM POSSIBLE, BASED ON MANUFACTURES LISTED IN SPECIFICATION.

FIO

66,000 BTU/HR INPUT 66 CFH

IIO,000 BTV/HR INPUT IIO CFH

88,000 BTU/HR INPUT 88 CFH

(6)

88,000 BTV/HR INPUT 88 CFH

1 GAS PIPING SCHEME
NOT TO SCALE

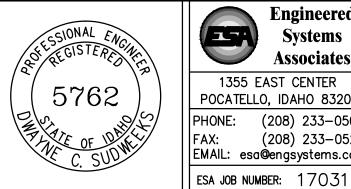
88,000 BTV/HR INPUT 88 CFH

| MADIC | FIXTURE | MBING FIXTU PIPE SIZE | | | | | |
|-------------|-----------------------------------|-----------------------|--------|--------|------|------|---|
| MARK | | TRAP | WASTE | VENT | C.W. | H.W. | - REMARKS |
| (CP-I) | CIRCULATING PUMP AND PUMP CONTROL | - | - | - | - | 3/4" | CIRCULATING PUMP: 1/6 HP, 3 SPEED, 1.8 AMPS. 3.5 GPM @ 28 FEET TOTAL HEAD. |
| (CR) | CONDENSATE RECEPTOR | I-I/2" | I-I/2" | 2" | - | - | SEE DETAIL H/P501, FIELD ASSEMBLED |
| DF-I | DRINKING FOUNTAIN | I-I/2" | I-I/2" | I-I/2" | 1/2" | - | ELECTRIC BI-LEVEL (ADA APPROVED) |
| FD-I | FLOOR DRAIN | 2" | 2" | 2" | - | - | WITH DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION. SEE DETAIL C/P502 |
| FD-2 | FONT DRAIN | 2" | 2" | 2" | - | - | SEE SPECIFICATIONS |
| FO-I | FONT OVERFLOW | 2" | 2" | 2" | - | - | SEE SPECIFICATIONS |
| F5-I | FLOOR SINK | 2" | 2" | 2" | - | - | WITH DOME STRAINER AND DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION. SEE DETAIL C/P502 |
| F5-2 | FONT SUPPLY | - | - | - | 3/4" | 3/4" | SUPPLY OUTLET 3/4" |
| L-I | LAVATORY | I-I/4" | I-I/4" | I-I/2" | 1/2" | 1/2" | COUNTER TOP 20"XI7", SEE ARCHITECTURAL ELEVATIONS (|
| (L-2) | LAVATORY | I-I/4" | I-I/4" | I-I/2" | 1/2" | 1/2" | SELF SUPPORTING 20"XI8", SEE ARCHITECTURAL ELEVATIONS |
| MV-I | MIXING VALVE | - | - | - | 1/2" | 1/2" | FOR LAVATORIES. SEE DETAIL C/P501. |
| MV-2 | MIXING VALVE | - | - | - | 3/4" | 3/4" | MOUNTED ADJACENT TO WH-I. SET DISCHARGE TEMPERATURE AT 100°F. MEETS ASSE 1017. SEE DETAIL E/P502. |
| (5-I | SERVING AREA SINK | I-I/2" | I-I/2" | I-I/2" | 1/2" | 1/2" | TWO COMPARTMENT |
| 95-I | SERVICE SINK | 3" | 3" | 2" | 1/2" | 1/2" | FLOOR TYPE |
| <u>55-2</u> | SACRAMENT SINK | I-I/4" | I-I/4" | I-I/2" | 3/4" | - | COUNTER TOP |
| TP-I | TRAP PRIMER | - | - | - | 1/2" | - | PRECISION PRODUCTS MODEL PTS-B. RUN 1/2" PEX PIPING TO FLOOR DRAIN |
| U-I | URINAL | INT. | 2" | 2" | 3/4" | - | FLUSH VALVE, WALL HUNG, HEU (HIGH EFFICIENCY URINAL) |
| WC-I | WATER CLOSET | INT. | 4" | 2" | 1/2" | - | FLUSH TANK, HET (HIGH EFFICIENCY TOILET) |
| WC-2 | WATER CLOSET | INT. | 4" | 2" | 1/2" | - | FLUSH TANK, 18" RIM HEIGHT (ADA APPROVED), HET |
| WC-3 | WATER CLOSET | INT. | 4" | 2" | 1/2" | - | FLUSH TANK, 18" RIM HEIGHT (ADA APPROVED), 1.6 GAL. PER FLUSH |
| WH-I | WATER HEATER | - | _ | - | 3/4" | 3/4" | GAS FIRED, 199,000 BTU/HR. INPUT, SET DISCHARGE AT 140 F°, DIRECT VENT, INSTANTANEOUS TYPE. SEE SPECS. & DETAIL E/P502. |
| WH-2) | WATER HEATER | _ | - | - | 3/4" | 3/4" | GAS FIRED, 100,000 BTU/HR. INPUT, 94% THERMAL EFFICIENT CONDENSING TYPE, 3 GAL. TANK. SEE SPECS. & DETAIL F/P501. |

SEE SHEET PIOI

- OLD WATER FIXTURE UNITS ARE 116. WASTE WATER FIXTURE UNITS ARE 146.
- 2) WHEN MOUNTED PER ARCHITECTURAL ELEVATIONS, ADA ACCESSIBILITY REQUIREMENTS ARE SATISFIED.
- 3 PROVIDE MIXING VALVE
- 4) MOUNT INSIDE WALL BELOW LAVATORY BEHIND LOCKING ACCESS DOOR, COORDINATE LOCATION WITH ARCHITECTURAL, SEE PLUMBING PLANS AND PLUMBING WATER SUPPLY SCHEMATICS ON SHEET PGOI FOR MORE DETAILS.
- 5 COMPLETE WITH FLOW SENSOR, TEMPERATURE SENSOR, WIRELESS RECEIVER, AND (4) WIRELESS MOTION SENSORS. SEE SPECIFICATIONS.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS DATE ORIGINAL SIGNED: May 23, 2017 ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES 1355 EAST CENTER, POCATELLO, IDAHO 83201





Engineered 1355 EAST CENTER POCATELLO, IDAHO 83201 PHONE: (208) 233-0501 FAX: (208) 233-0529 EMAIL: esa@engsystems.com GAS PIPING SCHEMATIC

P601

Project Number: 21701

Property Number:

50034331601

FIXTURE

Sheet Title: **PLUMBING**

Architect / Engineer:

Date: May 23, 2017

Stamp:

Middleton Heritage 09T SC Middleton Idaho Stake

Plan Series: HET-SCS-09-07 SCHEDULE AND