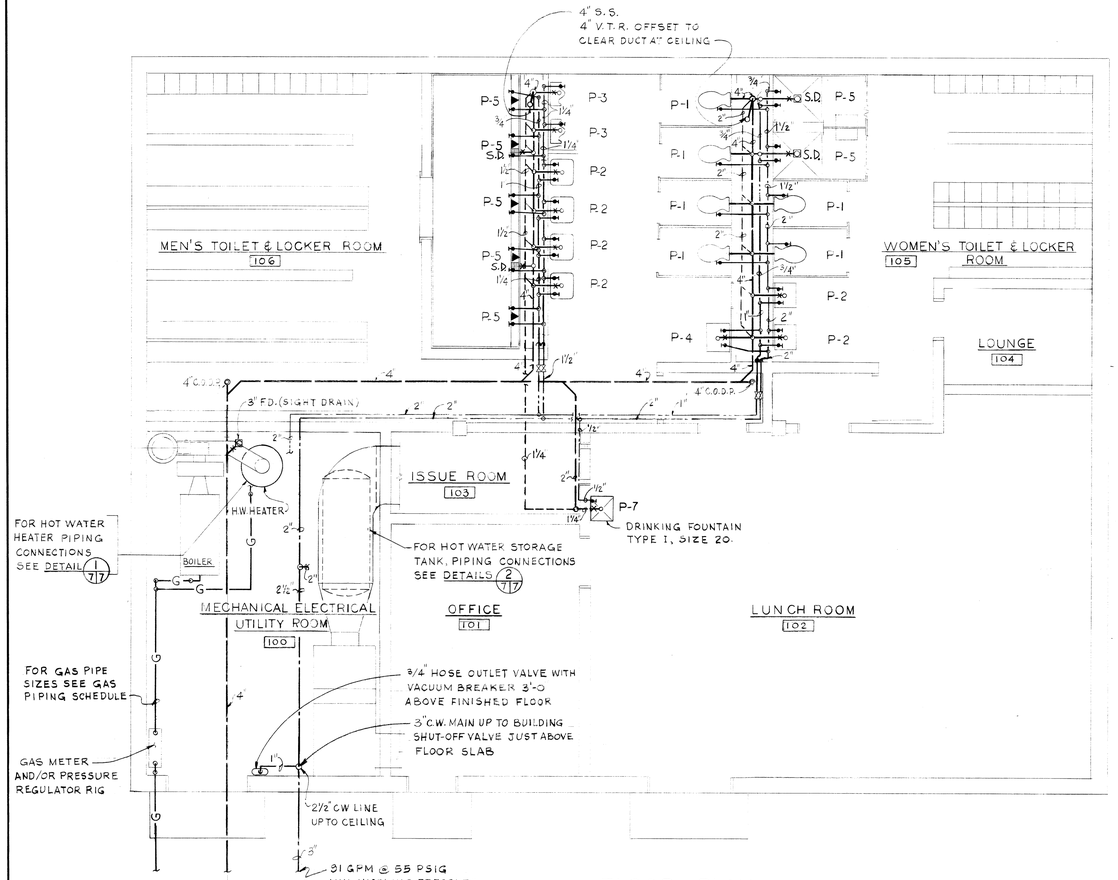
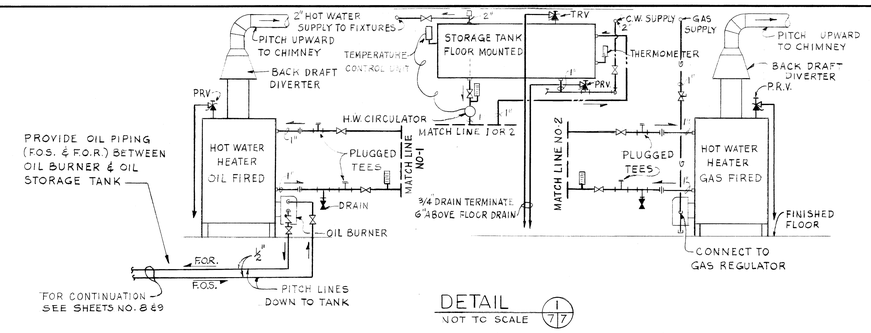


FLOOR PLAN

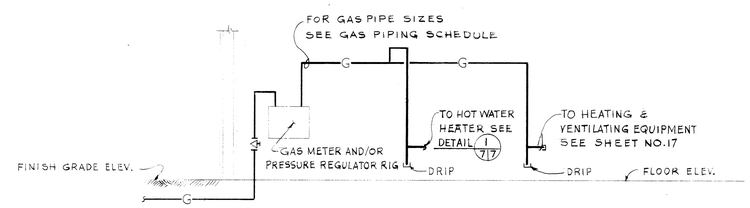
SCALE: 1/4" = 1'-0" 2



DETAIL 1/7

NOT TO SCALE

WATER HEATER (GAS & OIL FIRED)



GAS RISER DIAGRAM

NOT TO SCALE

SYMBOLS & ABBREVIATIONS

- SOIL (S) & WASTE (W) - ABOVE GRADE
- SOIL (S) & WASTE (W) - BELOW GRADE
- VENT (V)
- COLD WATER (C.W.)
- HOT WATER (H.W.)
- G — GAS LINE
- GATE VALVE
- GATE VALVE, LOCKSHIELD (KEY OPERATION)
- GLOBE VALVE
- ANGLE VALVE
- RELIEF VALVE WITH TEST LEVER (TRV-TEMPERATURE RELIEF VALVE)
- CONTROL STOP (PRV-PRESSURE RELIEF VALVE)
- UNION
- C.O. — CLEANOUT
- C.O.D.P. — CLEANOUT WITH DECK PLATE
- A.D. — ACCESS DOOR
- F.D. — FLOOR DRAIN
- DIRECTION OF FLOW
- CAP OR PLUG
- TRAP
- A — WATER HAMMER SHOCK ABSORBER WITH LETTER SIZE DESIGNATION
- V.R.V. — VACUUM RELIEF VALVE
- THERMOMETER
- CHECK VALVE
- S.S. — SOIL STACK
- V.S. — VENT STACK
- V.T.R. — VENT THRU ROOF
- INV. EL. — INVERT ELEVATION
- F.O.S. — FUEL OIL SUPPLY
- F.O.R. — FUEL OIL RETURN
- AUTOMATIC AIR VENT
- D.F. — DRINKING FOUNTAIN
- 2 S.D. — SHOWER DRAIN

NOTE:
VALVES SHOWN ▶◀ ARE NORMALLY CLOSED. ALL VALVES ARE THE SAME SIZE AS PIPING UNLESS OTHERWISE NOTED.

PIPING CONNECTIONS

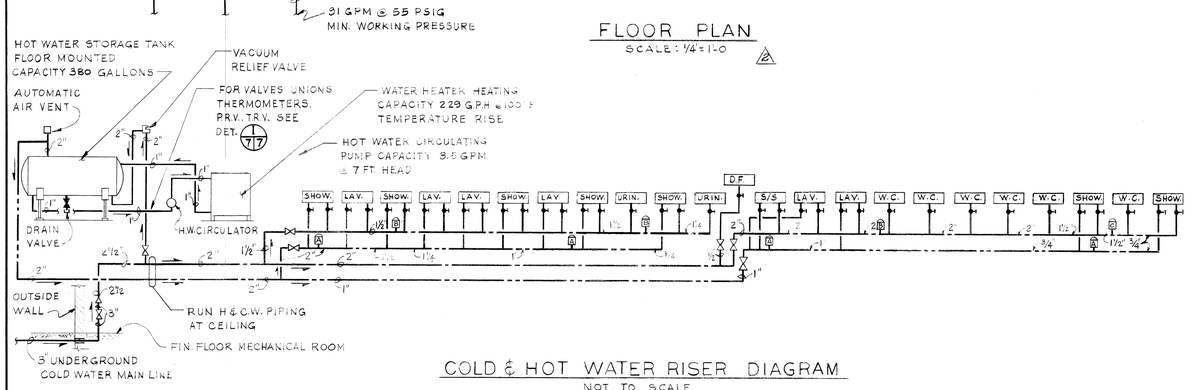
FIXTURE UNIT	H.W.	C.W.	DRAIN	REMARKS
P-1 WATER CLOSET	—	1"	4"	
P-2 LAVATORY	1/2"	1/2"	1/2"	
P-3 URINAL	—	3/4"	2"	
P-4 SERVICE SINK	1/2"	1/2"	3"	
P-5 SHOWER	1/2"	1/2"	—	
P-7 DRINK'G. FOUNTAIN	—	1/2"	1 1/4"	

2

GAS PIPING SCHEDULE

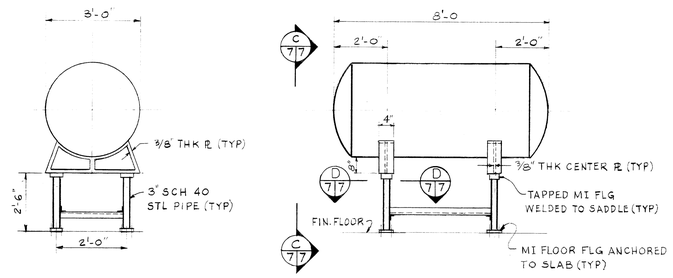
HEATING ZONE	MAIN GAS LINE SIZE	VALVED OUTLET H.W.H.	VALVED OUTLET BOILER	TOTAL CAPACITY GAS PRESS. REGULATOR CUBIC FEET PER HR.
+ 20°	2"	1 1/4"	1 1/4"	576
0°	2"	1 1/4"	1 1/2"	667
- 20°	2"	1 1/4"	1 1/2"	744

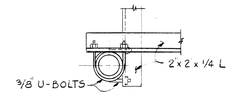
ASSUMED GAS HEATING VALUE = 1000 B.T.U./CUBIC FOOT



COLD & HOT WATER RISER DIAGRAM

NOT TO SCALE





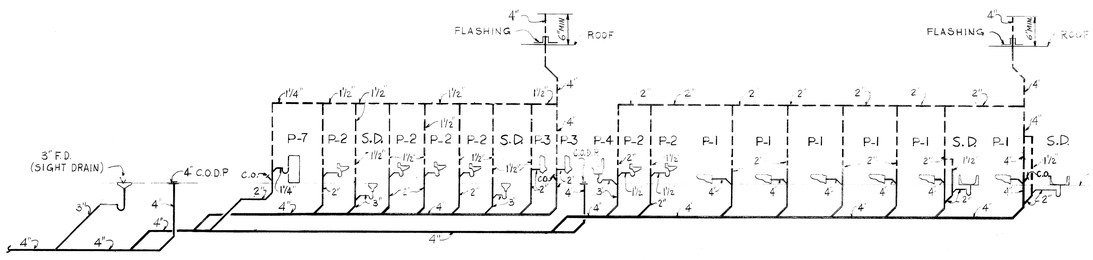
SECTION D/7

DETAIL 2/7
HOT WATER STORAGE TANK

NOT TO SCALE

NOTE

1. TANK SADDLE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION
2. PIPES, FLANGES, ANGLES AND FITTINGS TO BE GALVANIZED BEFORE ASSEMBLY



SANITARY RISER DIAGRAM 2

NOT TO SCALE

GRAPHIC SCALES

1/4" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVAL
2	REV. PLAN, SAN. DIAG., SYMBOLS, & PIPING CONN.	22/11/68	
1	REVISED HOT-WATER TANK GALVANIZED	8/22/66	

REVISIONS

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OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION - ENGINEERING DIVISION
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SUBMITTED BY: AMMANN & WHITNEY

AMMUNITION MAINTENANCE FACILITY

LUNCH ROOM-CHANGE HOUSE

PLAN & DETAILS
PLUMBING

APPROVED: CHIEF, PLANTS & BRANCH
APPROVED: CHIEF ENGINEERING DIVISION, MIL. CONSTR. O.C.E.
DATE: 18 JULY 1966

APPROVED FOR
DATE:

SCALE 1/4" = 1'-0"
SPEC. NO. IG-06-324-66
DRAWING NUMBER 36-49-03
SHEET 7 OF 10

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