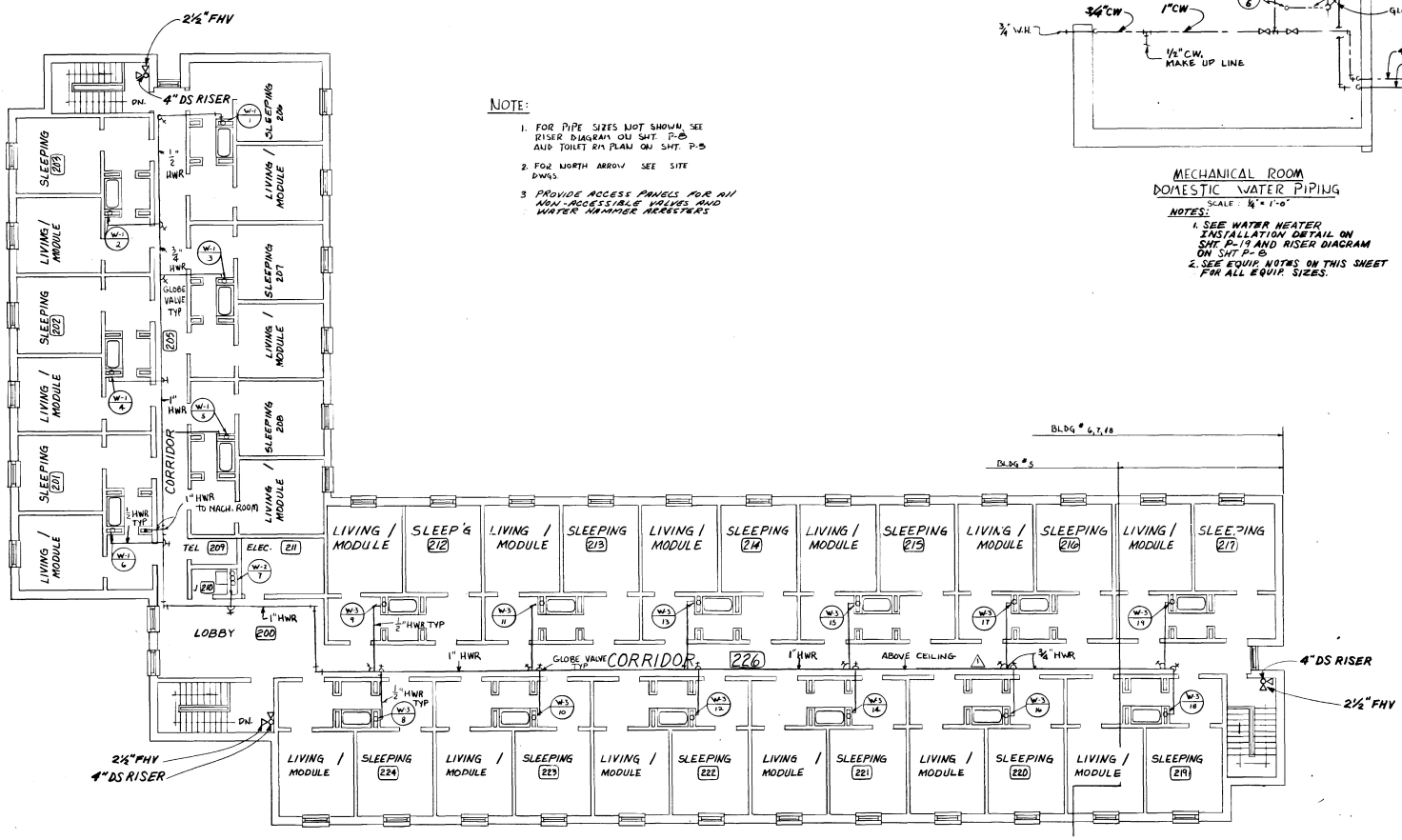
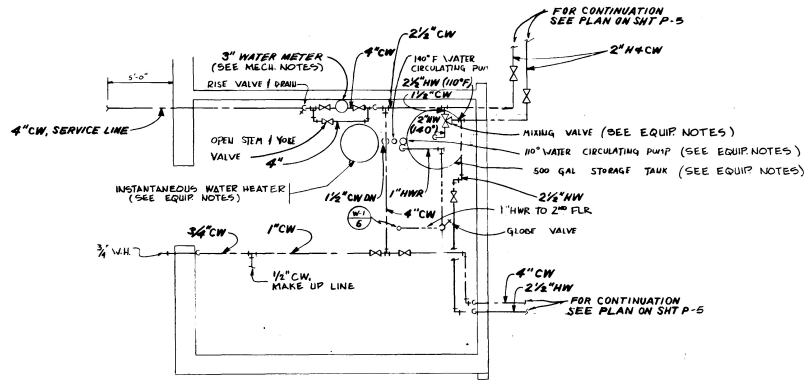


NOTE:

1. FOR PIPE SIZES NOT SHOWN, SEE RISER DIAGRAM ON SHT. P-8 AND TOILET RM PLAN ON SHT. P-5
2. FOR NORTH ARROW SEE SITE DWGS.
3. PROVIDE ACCESS PANELS FOR ALL NON-ACCESSIBLE VALVES AND WATER HAMMER ARRESTERS



MECHANICAL ROOM
DOMESTIC WATER PIPING
SCALE: ¼" = 1'-0"

NOTES:

1. SEE WATER HEATER INSTALLATION DETAIL ON SHT P-19 AND RISER DIAGRAM ON SHT P-8
2. SEE EQUIP. NOTES ON THIS SHEET FOR ALL EQUIP. SIZES.

EQUIP. NOTES: (BARRACKS NO. 5)

WATER METER
3" TURBINE TYPE, 200 GPM, MAX. PRESS. LOSS OF 2 PSI.

INSTANTANEOUS WATER HEATER
BOILER WATER, 300°F INLET, 180°F OUTLET, 900 000 BTU'S APPROX. 15 GPM. DOMESTIC WATER: 40°F INLET, 140°F OUTLET; 1058 GPM OF DOMESTIC WATER

140°F H.W. CIRCULATING PUMP
17.6 GPM @ 15' HEAD, ¼ H.P. 1750 RPM, 115 V, 60 CY, 1 PH.

STORAGE TANK
500 GALLON, VERT. TYPE

MIXING VALVE
84 GPM @ 110°F 58.8 GPM OF 140°F WATER, 25.2 GPM OF 40°F, MAX. PRESS. LOSS OF 5 PSI

110°F. H.W. CIRCULATING PUMP
7 GPM @ 10' HEAD, 1/8 H.P., 1725 RPM, 115 V, 60 CY, 1 PH

EQUIP. NOTES: (BARRACKS #'S 6, 7 + 8)

WATER METER
3" TURBINE TYPE, 215 GPM, MAX. PRESS. LOSS OF 2 PSI

INSTANTANEOUS WATER HEATER
BOILER WATER: 300°F INLET, 180°F OUTLET, 1,100,000 BTU'S, APPROX 18.34 GPM OF BOILER WATER
DOMESTIC WATER: 40°F INLET, 140°F OUTLET, 1305 GPM OF DOMESTIC WATER.

140°F H.W. CIRCULATING PUMP
21.75 GPM @ 15' HEAD, ¼ HP, 1750 RPM, 115 V, 60 CY, 1 PH

STORAGE TANK
500 GALLON, VERT. TYPE

MIXING VALVE
90 GPM OF 110°F. WATER MIXING, 63 GPM OF 140°F AND 27 GPM OF 40°F WATER, 5 PSI MAX. PRESS LOSS

110°F. H.W. CIRCULATING PUMP
8 GPM @ 10' HEAD, 1/8 H.P., 1725 RPM, 115 V, 60 CY, 1 PH

SECOND FLOOR PLAN
DOMESTIC WATER PIPING & DRY STANDPIPE
SCALE: ⅛" = 1'-0"

SCALE: 1/4 IN. = 1 FT.
SCALE: 1/8 IN. = 1 FT.

REV.	DATE	DESCRIPTION	BY
1	MAY 90	REVISED AS BUILT	

US Army Corps of Engineers
U.S. ARMY ENGINEER DISTRICT, BALTIMORE
CORPS OF ENGINEERS
BALTIMORE, MARYLAND

ABERDEEN PROVING GROUND — MARYLAND

ENLISTED BARRACKS PHASE IV
BARRACKS BLDG.
SECOND FLOOR, DOMESTIC WATER PIPING & DRY STANDPIPE

DRAWING NUMBER: F-721-90-12
PLATE: 153
SCALE: AS SHOWN
DATE: 5 FEB. 1987
SHEET P-6

41858