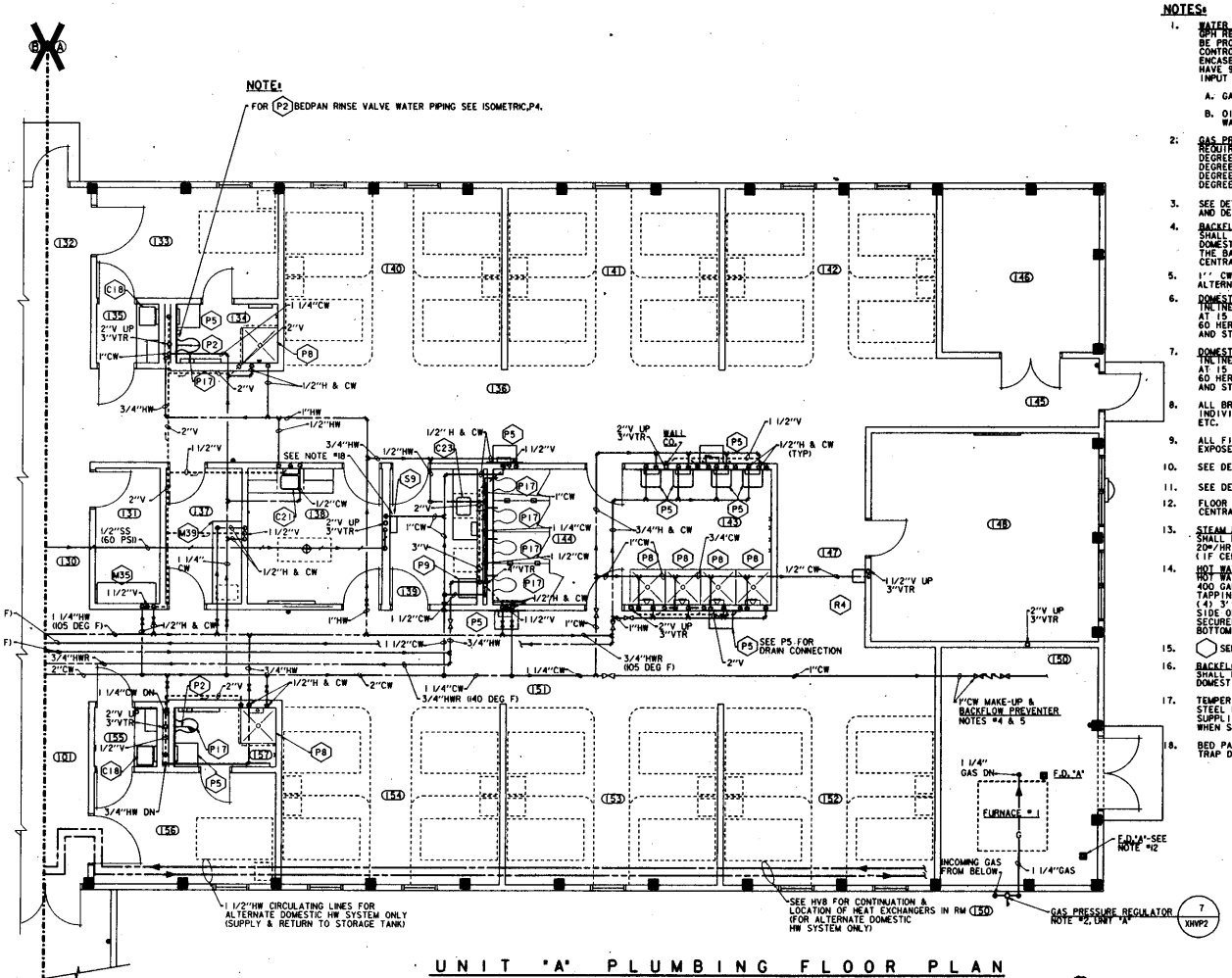
CORPS OF ENGINEERS | 4 | 3 | 2 | 1 | U. S. ARMY



UNIT "A" PLUMBING FLOOR PLAN

1/4 INCH = 1 FOOT

NOTES:

1. WATER HEATER SHALL BE A COMMERCIAL STORAGE TYPE HAVING 191 GPM RECOVERY AT 100°F TEMPERATURE RISE. WATER HEATER SHALL BE PROVIDED WITH THERMOSTATIC CONTROLS, SAFETY SHUT-OFF CONTROLS, TEMPERATURE AND PRESSURE RELIEF VALVE AND SHALL BE ENCASED IN AN INSULATED ENAMELED STEEL JACKET. HEATER SHALL HAVE 80 GALLON GLASS LINED STORAGE TANK. MINIMUM ENERGY INPUT IS AS FOLLOWS: (2 REQ'D)
   A. GAS FIRED MODEL: 199,000 BTUH EA, 2 REQ'D.
   B. OIL FIRED MODEL: 2.0 GPH EA OF #2 FUEL OIL. FUEL OIL WATER HEATER SHALL BE SUPPLIED WITH TWO STAGE PUMP.
2. GAS PRESSURE REGULATOR SHALL PROVIDE 7" W.C. OUTLET PRESSURE

REQUIRED REGULATOR CAPACITY:	UNIT "A"	UNIT "B"
DEGREE DAY ZONE #1 -	227,500 BTUH	628,000 BTUH
DEGREE DAY ZONE #2 -	253,750 BTUH	651,750 BTUH
DEGREE DAY ZONE #3 -	291,250 BTUH	689,250 BTUH
DEGREE DAY ZONE #4 -	295,000 BTUH	694,250 BTUH

3. SEE DETAIL 6XHVP2 FOR 'TYPICAL WATER HEATER GAS PIPING DIAGRAM' AND DETAIL 6BXHVP2 FOR 'TYPICAL FURNACE GAS PIPING DIAGRAM'.
4. BACKFLOW PREVENTER SHALL BE 1" REDUCED PRESSURE TYPE AND SHALL PROVIDE PROTECTION AGAINST CONTAMINATION OF THE DOMESTIC WATER SYSTEM BY EITHER BACKFLOW OR BACK SIPHONAGE. THE BACKFLOW PREVENTER IS ONLY REQUIRED IF THE ALTERNATE CENTRAL PLANT HEATING SYSTEM IS USED.
5. 1" CW MAKE-UP AND FILL LINE IS ONLY REQUIRED WHEN THE ALTERNATE CENTRAL PLANT HEATING SYSTEM IS USED. SEE HV DWGS.
6. DOMESTIC HOT WATER RECIRCULATING PUMP: 2 REQUIRED INLINE CENTRIFUGAL PUMP HAVING THE CAPACITY TO PUMP 5 GPM AT 15 FEET OF HEAD. MOTOR DATA: 1/6 H.P., 115 VOLT, 1 PHASE, 60 HERTZ, 1750 RPM. PROVIDE THERMOSTATIC CONTROLS TO START AND STOP PUMP ON 5°F TEMPERATURE VARIATION IN RETURN MAINS.
7. DOMESTIC HOT WATER CIRCULATING PUMP: (ALTERNATE SYSTEM ONLY) INLINE CENTRIFUGAL PUMP HAVING THE CAPACITY TO PUMP 10 GPM AT 15 FEET OF HEAD. MOTOR DATA: 1/6 H.P., 115 VOLT, 1 PHASE, 60 HERTZ, 1750 RPM. PROVIDE AQUASTAT IN STORAGE TANK TO START AND STOP PUMP ON 5°F TEMPERATURE VARIATION IN STORAGE TANK.
8. ALL BRANCH SIZES SHOWN IN THE EQUIPMENT SCHEDULE ARE INDIVIDUAL BRANCH SIZES TO FLUSH VALVES, FAUCETS, BUBBLERS, ETC.
9. ALL FIXTURES SHALL HAVE A CHROME-PLATED KEY OPERATED VALVE EXPOSED AT THE FIXTURE.
10. SEE DETAIL 10XHVP3 FOR WATER CLOSET MOUNTING DETAIL.
11. SEE DETAIL 4XHVP2 FOR LAVATORY MOUNTING DETAIL.
12. FLOOR DRAIN REQUIRED IN PIT ONLY IF THE ALTERNATE CENTRAL PLANT HEATING SYSTEM IS INSTALLED.
13. STEAM BOILER IS REQ'D FOR (2) BED PAN WASHERS. THE BOILER SHALL BE AN ELECTRIC MODEL 6 KW, 208/3/60 AND SHALL PRODUCE 20#/HR @ 60 PSI. UNIT SHALL BE COMPLETE W/PRV & ALL CONTROLS (IF CENTRAL PLANT IS AVAILABLE THIS UNIT IS NOT REQ'D.)
14. HOT WATER STORAGE TANK: (ALTERNATE SYSTEM ONLY) HOT WATER STORAGE TANK SHALL BE 36" DIA X 93" HIGH WITH 400 GAL STORAGE CAPACITY. THE TANK SHALL HAVE ALL NECESSARY TAPPINGS, AQUASTAT, MANHOLES, INSULATION, ETC. AS REQ'D. PROVIDE (4) 3" X 3" X 1/4" ANGLE IRON LEGS WELDED INTEGRALLY TO THE SIDE OF THE TANK AND TERMINATE IN 4" X 4" X 1/2" FLANGES SECURED TO THE FLOOR. HEIGHT OF LEGS SHALL BE SUCH THAT BOTTOM OF TANK WILL BE A MINIMUM OF 12" ABOVE THE FLOOR.
15. ⬡ SEE ARCHITECTURAL DRAWING A5 FOR EQUIPMENT SCHEDULE.
16. BACKFLOW PREVENTER SHALL BE 1" REDUCED PRESSURE TYPE AND SHALL PROVIDE PROTECTION AGAINST CONTAMINATION OF THE DOMESTIC WATER SYSTEM BY EITHER BACKFLOW OR BACK SIPHONAGE.
17. TEMPERING VALVE TO BE BRONZE BODY CONSTRUCTION, STAINLESS STEEL DISC, WITH COPPER THERMOSTATIC ASSEMBLY, SUITABLE FOR SUPPLIES UP TO 150 PSI. TEMPERATURE RANGE TO BE 100°F TO 130°F WHEN SUPPLIED WITH MAXIMUM OF 210°F.
18. BED PAN WASHER TO BE EQUIPPED WITH AUTOMATIC STEAM TRAP DEVICE, OR STANDARD TRAP AS REQUIRED.

ROOM NAME & NUMBER LIST

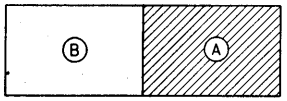
NO.	NAME
101	HALLWAY
130	HALLWAY
131	MEDICATION PREP ROOM
132	HALLWAY
133	ISOLATION BEDROOM
134	BATH
135	ANTEROOM
136	HALLWAY
137	NOURISHMENT ROOM
138	TREATMENT ROOM
139	SOILED UTILITY
140	4 BED WARD
141	4 BED WARD
142	4 BED WARD
143	LAVATORY/SHOWER
144	TOILET
145	HALLWAY
146	EQUIPMENT ROOM
147	HALLWAY
148	DAY ROOM
150	MECHANICAL
151	HALLWAY
152	4 BED WARD
153	4 BED WARD
154	4 BED WARD
155	ANTEROOM
156	ISOLATION BEDROOM
157	BATH

FLOOR DRAIN SCHEDULE

TYPE	DESCRIPTION	GENERAL LOCATION	SEE NOTE
A	ALL CAST IRON FLOOR DRAINS WITH SHALLOW PERFORATED SEDIMENT BUCKETS AND CAST IRON DEEP SEAL 'P' TRAPS HAVING FLUSH WITH FLOOR CLEANOUTS.	EQUIPMENT ROOMS WHERE FLOORS ARE ON GRADE	1,2

NOTES:

1. ALL FLOOR DRAINS SHALL BE FULL SIZE OF THE CONNECTING WASTE LINE SHOWN ON THE DRAWINGS.
2. FLOOR DRAINS SHALL HAVE 9" MINIMUM DIAMETER STRAINERS AND SHALLOW PERFORATED SEDIMENT BUCKET.



KEY PLAN

1/4" = 1'-0"

Symbol	Description	Date	Approved
	Revisions		

J. E. SIRRINE COMPANY
ARCHITECT - ENGINEER DIVISION
GREENVILLE, SOUTH CAROLINA

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

ARMY MOBILIZATION DESIGNS
US Army Corps of Engineers

WARD - 46 BED

UNIT A PLUMBING FLOOR PLAN

Dwn. by : JHK | Ckd. by : JML

Reviewed by : JHH | Date : 14 MAY 84 | Sheet reference number : P-2 | Design file no. : M088P02 | Rev.

Approved by : CWH | Drawing code : M 510-10-F | Sheet 2 of 5

5 | 4 | 3 | 2 | 1

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