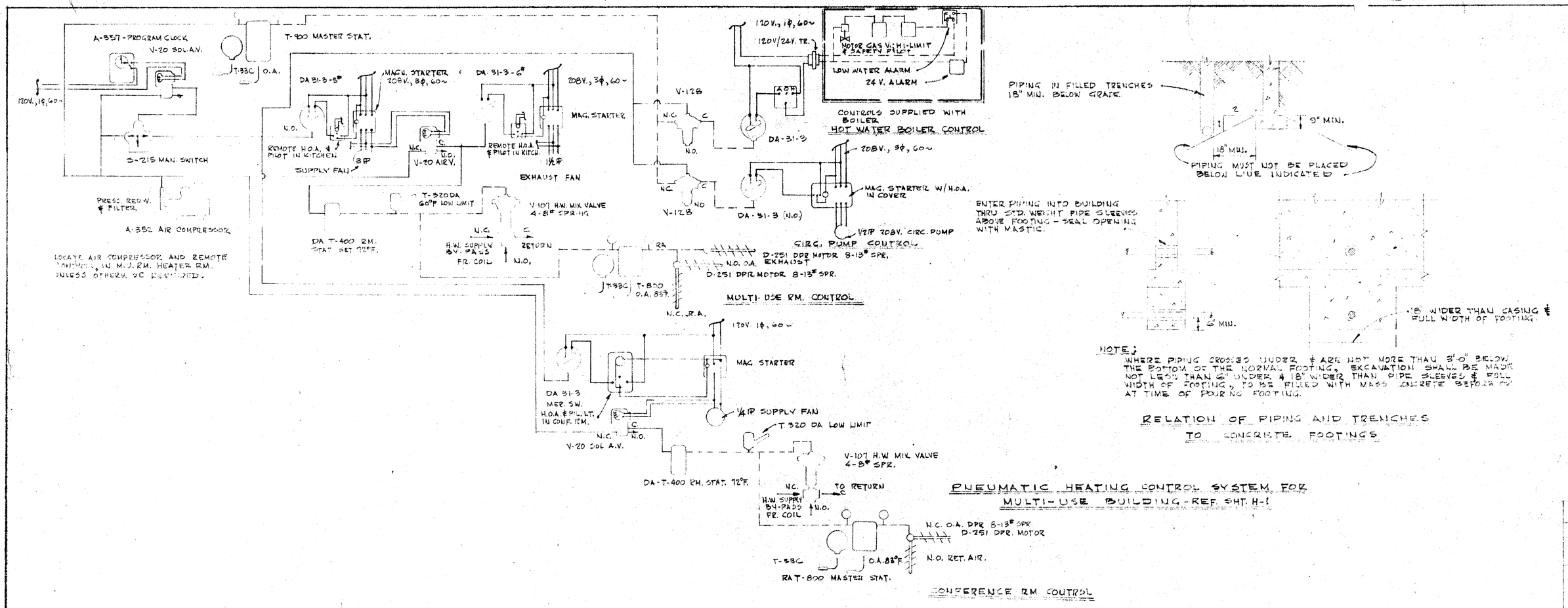
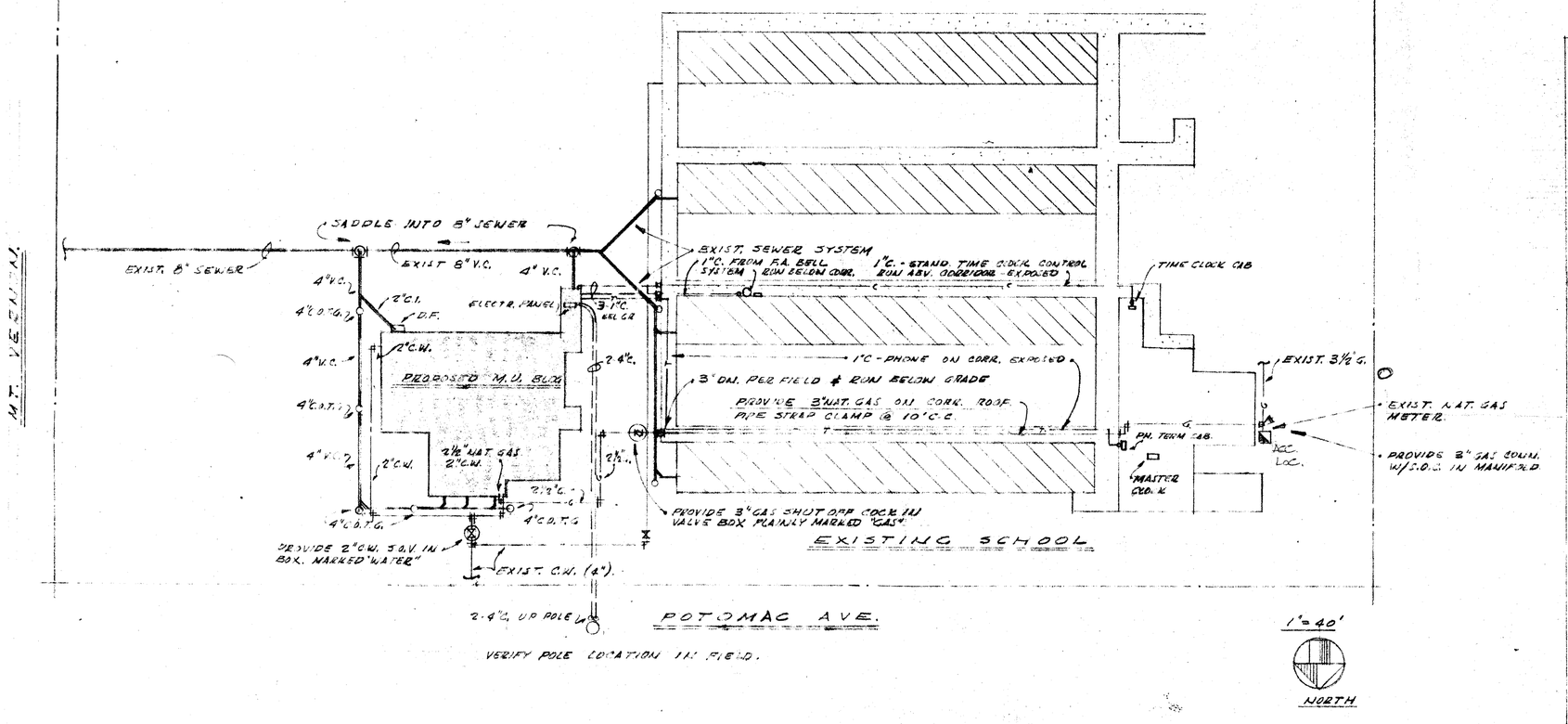


PLUMBING FIXTURE SCHEDULE

FIXTURE	QUANT. REQ'D.	SPEC. NO.	WASTE	VENT.	C.W.	H.W.	SET HEIGHT
WATER CLOS.	4	W.C. 1B	4"	2"	1 1/4"	-	15"
URINAL	1	U 2A	2"	1 1/2"	1"		FLR. MTD.
LAVATORY	2	L 3A	2"	1 1/2"	1/2"	1/2"	31" TO RIM
	2	L 3D	2"	1 1/2"	1/2"	-	DITTO
SINK	1	S 4B	2"	1 1/2"	1/2"	-	BUILT-IN
	1	S 4E	2"	1 1/2"	3/4"	3/4"	28" TO RIM
	1	S 4E1	2"	1 1/2"	3/4"	3/4"	DITTO
DRINK. FTN.	1	BF 3D	2"	1 1/2"	1/2"		36" TO B.O.
DRAIN	2	D CA	2"	1 1/2"	1/2 PRIME	-	IN FLOOR
	1	D CB1	2"	1 1/2"	-	-	DO.
(FLOOR SINK)	4	D SH	2"	1 1/2"	1 1/2 PRIME	-	DO.
FIRE CABINETS	3	F.H.C.	-	-	2"		VALVE +5'

PIPING LEGEND

SYMBOL	DESCRIPTION
	SOIL OR WASTE WITH: F.C.O. - FLOOR CLEANOUT C.O.T.G. - C.O. TO GRADE.
	COLD DOMESTIC WATER / TRAP PRIME LINE
+	HOT DOMESTIC WATER - 140°F.
+	HOT DOMESTIC WATER - 180°F.
G	NATURAL GAS
F	FIRE LINE
	HEATING WATER SUPPLY FROM BOILER
	" " RETURN TO "
	VENT (V.) OR VENT OFFSET (V.O.)
	WASTE LINE WITH WALL CLEANOUT - (W.C.O.)
⋈	GATE VALVE (G.V.) : GLOBE VALVE (GL.V.)
	PRESS.- TEMP RELIEF VALVE
+	HOSE BIBB



SPECIFICATIONS

COLD & HOT WATER SYSTEMS:

1. PIPE & FITTINGS:
   a. COLD WATER PIPING ABOVE GROUND, & 3" & SMALLER BELOW GROUND, SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE @ GALVANIZED BANDED MALLEABLE IRON SCREWED FITTINGS.
   b. GALVANIZED PIPE & FITTINGS BELOW GROUND SHALL BE SHOP COATED & WRAPPED AS FOLLOWS:
      1 COAT ASPHALT PRIMER
      2 COATS HOT ASPHALT
      1 LAYER 15# FELT
      1 COAT HOT ASPHALT
      1 LAYER KRAFT PAPER.

DOMESTIC HOT WATER SYSTEM

1. PIPE & FITTINGS:
   a. ABOVE GROUND - SCHEDULE 40 GALVANIZED STEEL PIPE @ GALVANIZED BANDED MALLEABLE IRON SCREWED FITTINGS
2. INSULATIONS
   a. PIPING:
      1. INSULATION SHALL BE APPLIED AFTER PIPING HAS BEEN INSTALLED, TESTED, & APPROVED, & AFTER PIPES ARE IN A DRY, CLEAN CONDITION. INSULATION SHALL BE REMOVABLE 86% VAPOR & CONDENSE-PROOF THICK.
      2. FITTINGS & VALVE BODIES SHALL BE COVERED W/ PLASTIC-ASBESTOS MATERIAL MOLDED ON IN TWO APPLICATIONS & FINISHED IN A HARD SMOOTH SURFACE. FLUSH @ PIPE COVERING. UNIONS SHALL NOT BE COVERED. CONCRETE SHALL BE EQUALLY TROWELLED TO SEAL OFF OR LOUSE @ PLASTIC ASBESTOS MATERIAL.

SANITARY SEWER SYSTEM

1. PIPE & FITTINGS:
   a. SOIL, WASTE & VENT PIPING TO 5' OUTSIDE OF BUILDING STANDARD WEIGHT COATED CAST IRON SOIL PIPE @ STD. HUB & SPIGOT CAST IRON SOIL FITTINGS.
   b. 5'-1" & PLUS TO 5' OUTSIDE OF BUILDING:
      1. 6" & SMALLER SHALL BE COATED STD. GRADE, CAST IRON SOIL PIPE & FITTINGS.
      2. 8" & LARGER SHALL BE VITRIFIED CLAY PIPE & FITTINGS UNLESS INDICATED CAST IRON.
2. VENT FLASHING:
   a. ALL PIPES SHALL BE FLASHED @ ONE PIECE LEAD FLASHING WHICH SHALL HAVE 1" HIGH FLAT TOP, & SHALL EXTEND 5" UP & 4" ACROSS FLOW WALL OR ROOF.

NATURAL GAS SYSTEM

1. PIPE & FITTINGS:
   a. GAS PIPING (SCHEDULE 40 BLACK STEEL PIPE @ CRANE CO. BLACK MALLEABLE IRON SCREWED FITTINGS.
   b. GAS PIPING UNDERGROUND SHALL BE SHOP COATED & WRAPPED AS FOLLOWS:
      1 COAT ASPHALT PRIMER
      2 COATS HOT ASPHALT
      1 LAYER 15# FELT
      1 LAYER KRAFT PAPER
   c. SERVICE COCKS ACCEPTABLE ON FIG. 142, SCREWED, LUBRICATED PLUG COCK, 175# SERVICE, TAPERED BONNET PLUG & BOLTED YOKE. FURNISH @ OPERATING WRENCH.

NOTES

1. PLUMBING CONTRACT TO INCLUDE THE INTERNAL & OUTSIDE UTILITIES SYSTEMS.
2. SUMMARIZED DESIGN: (M.U. BLDG.)

WASTE	64 F.U. @	160 GPM
COLD WATER	84 F.U. @	60 GPM
HOT WATER	46 F.U. @	40 GPM
WATER DEMAND	MAX.	100 GPM., 70 GPM (AVE.)
NAT. GAS DEMAND	MAX.	950 CF.H., 950 CFH (AVE.)

3. CLEANOUTS SHALL BE BROUGHT UP TO 12" BELOW GRADE IN UNPAVED AREAS, FLUSH WITH FIN. GR. IN CONCRETE SURFACED AREAS WITH F.C.O. COVER PLATES AS SPECIFIED.
4. SET HOSE BIBB +18" ABOVE GRADE
5. NAT. GAS PIPING ABSOLUTELY UNNECESSARY BELOW OR THRU CONCRETE SHALL BE PROPERLY SLEEVED.
6. M.U. BLDG. HEATING CONTROL IS THRU 7-DAY PROGRAM CLOCK SETTING COMPRESSED AIR ACTUATED VALVES TO OPERATE THE CONTROL SYSTEM AS SPECIFIED AND DESCRIBED. IT APPLIES ONLY TO THE M.U. BLDG.

APPROVED BY BOARD OF EDUCATION BAKERSFIELD CITY SCHOOL DISTRICT
DATE 9/21/59
HOWARD A. COMPTON
SUPERINTENDENT OF SCHOOLS AND EXECUTIVE OFFICER

STATE OF CALIFORNIA — DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE
APPLICATION 19177 APPROVED SEP 15 1959
BY E. Thorsen

MECHANICAL PLOT & CONTROLS
• MULTI-PURPOSE ROOM •
• M.T. VERNON SCHOOL •
• BAKERSFIELD CITY SCHOOL DISTRICT •

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