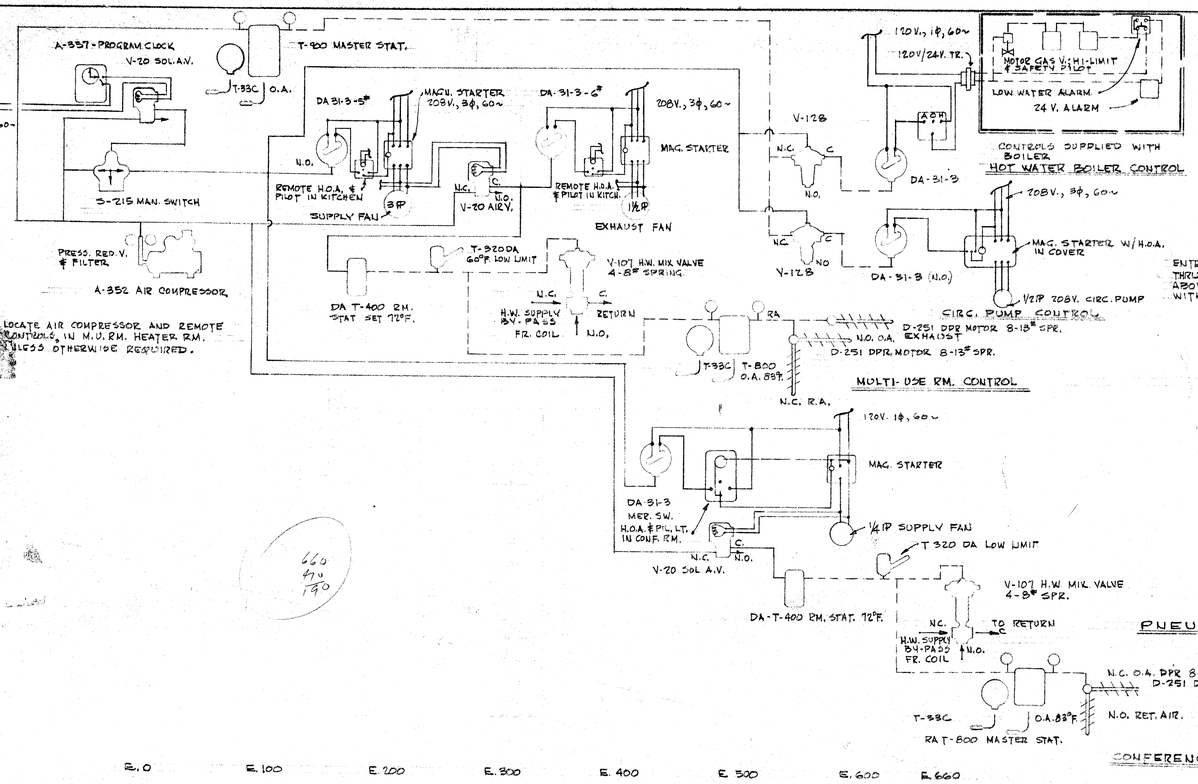
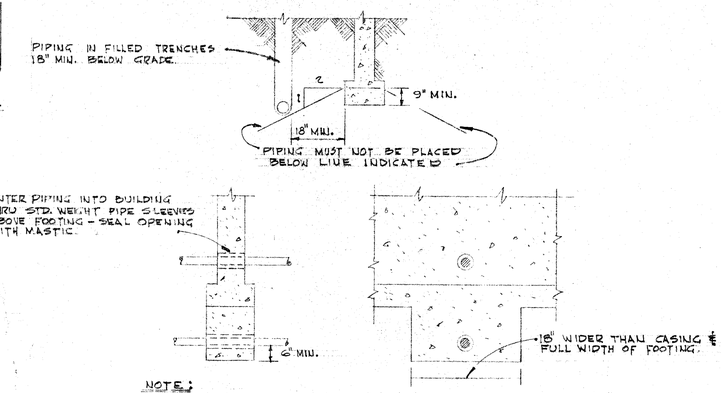


PNEUMATIC HEATING CONTROL SYSTEM FOR MULTI-USE BUILDING - REF. SHT. H-1



NOTE:
WHERE PIPING CROSSES UNDER, & ARE NOT MORE THAN 3'-0" BELOW THE BOTTOM OF THE NORMAL FOOTING, EXCAVATION SHALL BE MADE NOT LESS THAN 6" UNDER & 18" WIDER THAN PIPE SLEEVES & FULL WIDTH OF FOOTING, TO BE FILLED WITH MASS CONCRETE BEFORE OR AT TIME OF POURING FOOTING.

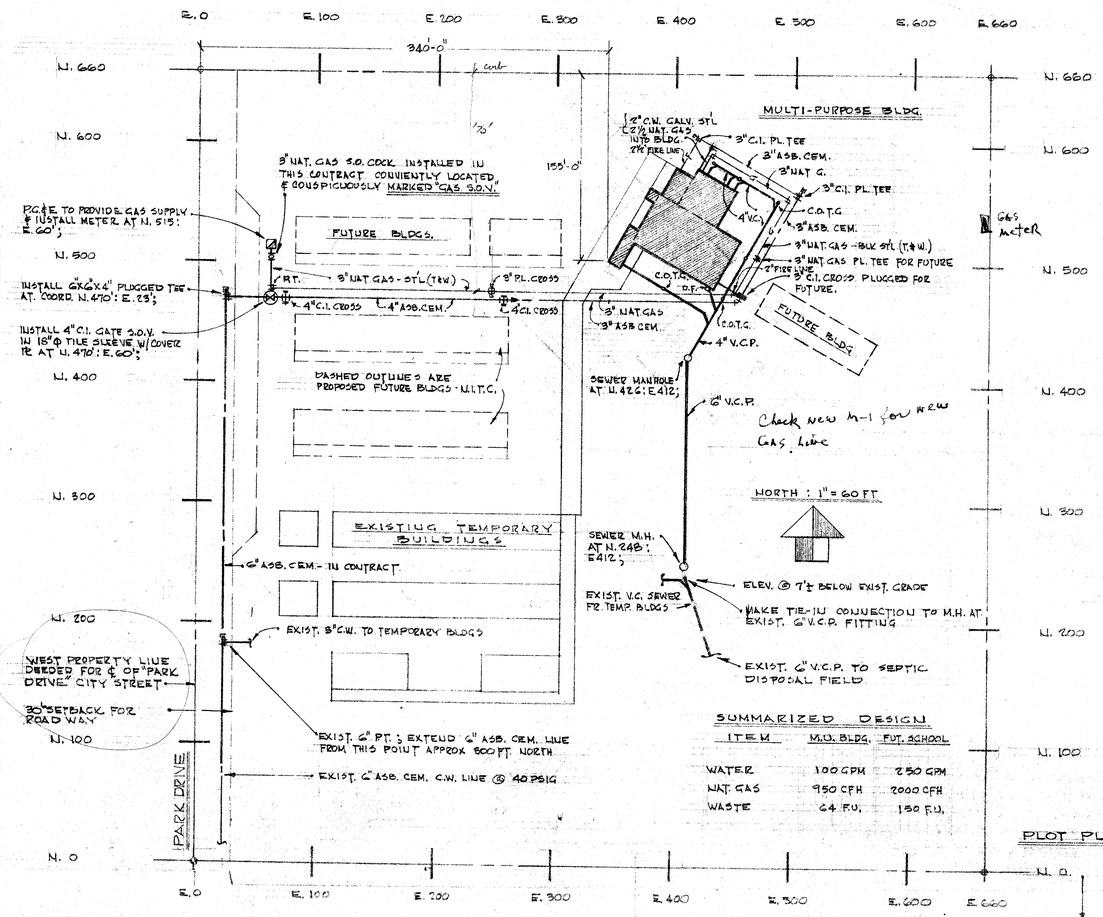
RELATION OF PIPING AND TRENCHES TO CONCRETE FOOTINGS

PLUMBING FIXTURE SCHEDULE

FIXTURE	QUANT. REQ'D.	SPEC. NO.	WASTE	VENT.	C.W.	H.W.	SET HEIGHT
WATER CLOS.	4	W.C. / 1B	4"	2¼"	1¼"	-	15"
URINAL	1	U / 2A	2"	1½"	1"		FLR. MTD.
LAVATORY	2	L / 3A	2"	1½"	½"	½"	31" TO TOP
	2	L / 3B	2"	1½"	½"	-	DITTO
SINK	1	S / 4B	2"	1½"	½"	-	BUILT-IN
	1	S / 4E	2"	1½"	¾"	¾"	25" TO RIM
	1	S / 4EI	2"	1½"	¾"	¾"	DITTO
DRINK. FTN.	1	DF / 5D	2"	1½"	½"		30" TO BUB.
DRAIN	2	D / 6A	2"	1½"	½" PRIME	-	IN FLOOR
	1	D / 6BI	2"	1½"	—	-	DO.
(FLOOR SINK)	4	D / 6H	2"	1½"	½" PRIME	-	DO.
FIRE CABINETS	3	F.H.C.	-	-	2"		VALVE +5'

PIPING LEGEND

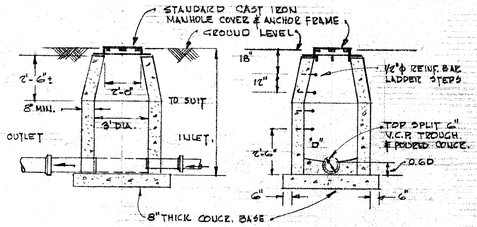
SYMBOL	DESCRIPTION
	SOIL OR WASTE WITH: F.C.O. - FLOOR CLEANOUT C.O.T.G. - C.O. TO GRADE
	COLD DOMESTIC WATER, TRAP PRIME LINE
	HOT DOMESTIC WATER - 140°F.
+	HOT DOMESTIC WATER - 180°F.
G	NATURAL GAS
F	FIRE LINE
	HEATING WATER SUPPLY FROM BOILER
	" " RETURN TO "
	VENT (V.) OR VENT OFFSET (V.O.)
	WASTE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



SUMMARIZED DESIGN

ITEM	M.U. BLDG.	FUT. SCHOOL
WATER	100 GPM	250 GPM
NAT. GAS	950 CFH	2000 CFH
WASTE	64 F.U.	150 F.U.

PLOT PLAN OF MULTI-PURPOSE BUILDING



DETAIL OF TYPICAL MANHOLE
SCALE: ¼" = 1'-0"

PLUMBING SPECIFICATIONS - OUTSIDE UTILITIES

WATER SYSTEM SUPPLY ASB. CEMENT	CONSISTING OF 6", 4", 3" SIZES TO BE ASBESTOS CEMENT PER JOHNS MANVILLE CLASS 150 WITH RING-TITE COUPLINGS, OF CLASS 150. TEST @ 125 PSIG STATIC. 3" A.C. @ 5.0 LBS/FT; 4" A.C. @ 6.7 LBS/FT; 6" A.C. @ 11.6 LBS/FT. PIPING & INSTALLATION PER J.M. SPECS DS-335 & DS-348.
FITTINGS - ASB.C.	ELBOWS, TEES, CROSSES TO BE 125 LB RATED CAST IRON RUBBER RING TYPE FITTINGS FOR USE WITH ASB. CEM. PIPE. CROSSES TO BE INSTALLED AS SHOWN FOR FUTURE TIE-INS TO BE FLANGED & GASKETED & BLINDED. CAST IRON FITTINGS TO BE PER "TIFCO" OR EQUAL. TEST CONNECTIONS @ 125 PSIG STATIC
VALVE	125# OS.&Y CAST IRON, GATE, WITH HUB END RUBBER RING TYPE COMPRESSION JOINT FOR ASB. CEMENT PIPING; PER MUELLER, CRANE, OR AM. FOUNDRY.
NAT. GAS SYSTEM	REFER WRITTEN SPECIFICATIONS
SEWER SYSTEM	" " "
MANHOLES	STANDARD BUILT-UP PRE-CAST SECTIONS TYPE, OR FIELD CONSTRUCTED TYPE OF POURED CONCR. / BRICK

NOTE: THESE SUPPLEMENT ONLY, AND DO NOT ALTER THE WRITTEN SPECIFICATIONS FOR THE PROJECT.

NOTES

1. ALL NOTES APPLY SPECIFICALLY TO MULTI-USE BUILDING; PLUMBING CONTR. SHALL STUB-OUT PIPING A MAX. OF 10 FT.; FURTHER EXTENSIONS AND TIE-IN CONNECTIONS ARE N.I.C., SITE DEVELOPMENT INCL. SEWER, WATER & GAS MAINS ARE NOT PART OF CONTRACT FOR M.U. BLDG.
2. SUMMARIZED DESIGN: (M.U. BLDG.)
   - WASTE 64 F.U. @ 130 GPM
   - COLD WATER 86 F.U. @ 60 GPM
   - HOT WATER 46 F.U. @ 40 GPM
   - WATER DEMAND MAX. 100 GPM., 70 GPM (AVE.)
   - NAT. GAS DEMAND MAX. 950 CFH., 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 BIBBS +18" ABOVE GRADE
5. NAT. GAS PIPING ABSOLUTELY NECESSARY 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.

NOTE: CONTRACTOR IS TO VERIFY ALL DIMENSIONS ON THE WORK. THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED ON COMPLETION OF THE CONTRACT.

DIVISION OF ARCHITECTURE
STATE OF CALIFORNIA — DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
16453 APPROVED SEP 27 1957
APPLICATION NO. Per E. Krauzer
PRINCIPAL STRUCTURAL ENGINEER

BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD CITY SCHOOL DISTRICT
106
BOARD ORDER NO.
BOOK 21 PAGE 216
DATE 9-12-57
BOARD OF EDUCATION
BY

MULTI PURPOSE ROOM
HIGH SCHOOL
BAKERSFIELD CITY SCHOOL DIST.
BAKERSFIELD CALIF

AIA

ALFORD, THOMAS & LEYDENFROST
C. B. ALFORD • W. J. THOMAS • ARCHITECTS • H. B. LEYDENFROST
BAKERSFIELD • • • • • CALIFORNIA

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