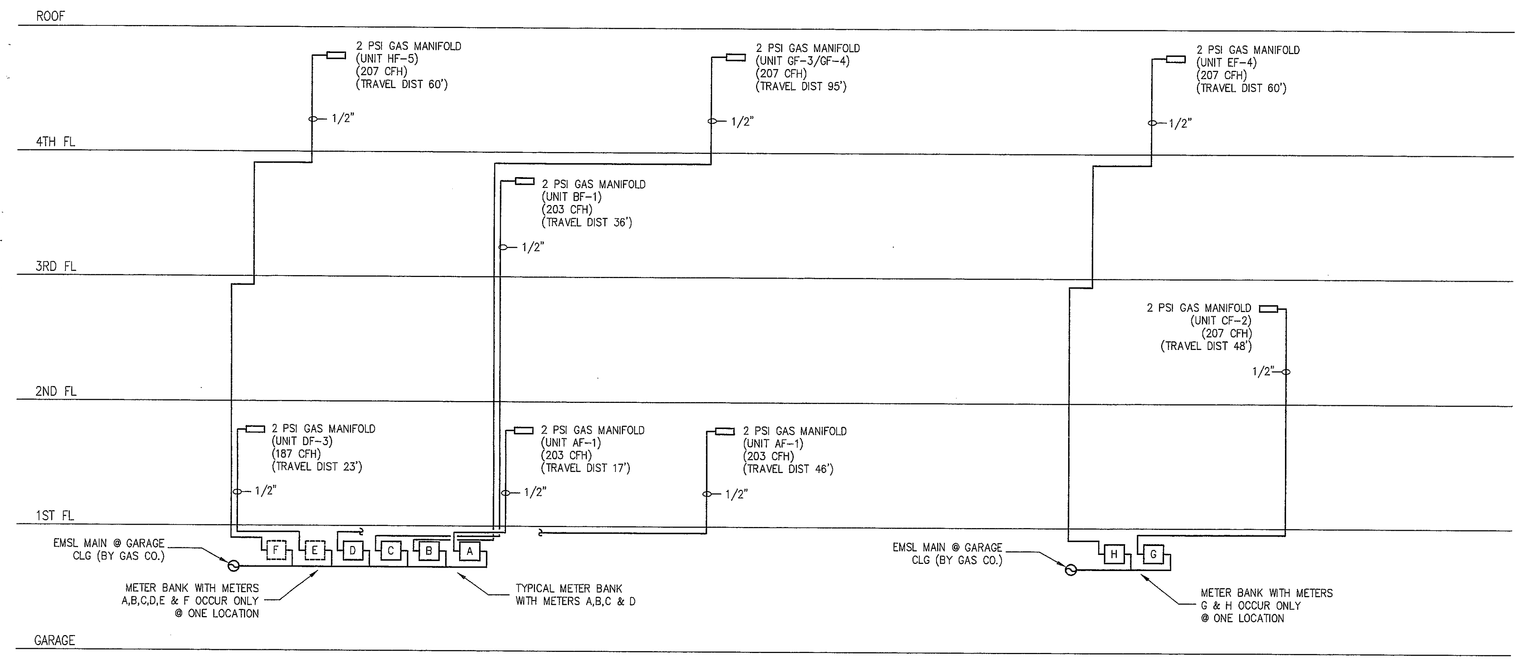
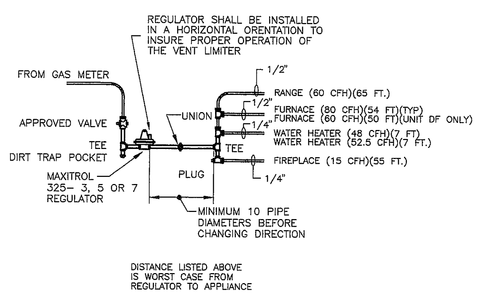
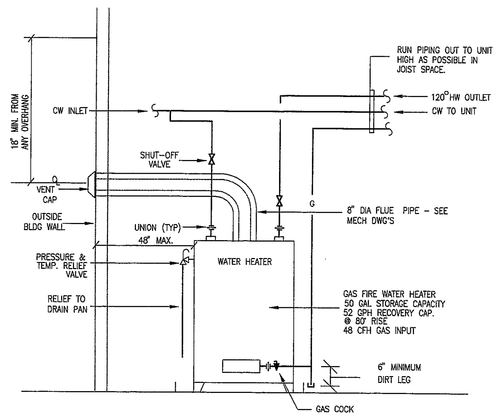


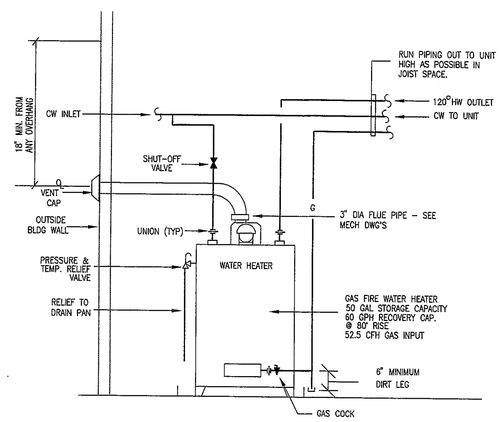
GAS RISER DIAGRAM
NO SCALE



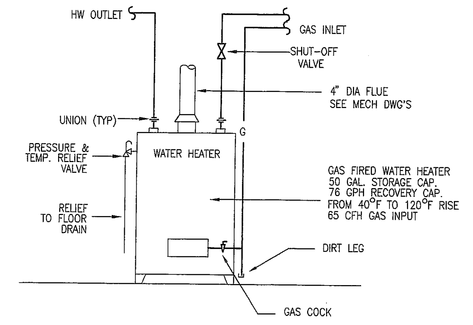
GAS MANIFOLD DIAGRAM
NO SCALE



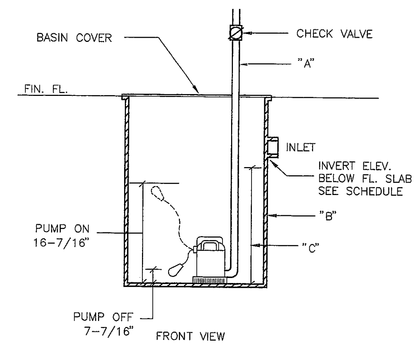
GAS FIRED WATER HEATER DETAIL #1
NO SCALE



GAS FIRED WATER HEATER DETAIL #2
NO SCALE



GAS FIRED WATER HEATER DETAIL - CLUBHOUSE
NO SCALE



SEWAGE EJECTOR DETAIL
NO SCALE

PLUMBING SYMBOLS LIST

SYMBOL	ABBR.	DESCRIPTION
———	S OR W	SOIL, OR WASTE PIPE
— — —	ST	STORM WATER PIPE
--- --- ---	V	VENT PIPE
— — —	CW	COLD WATER PIPE
— — —	HW	HOT WATER PIPE
—G—	G	NATURAL GAS PIPE (.5 PSIG)
— 2 PSI —		NATURAL GAS PIPE (2 PSIG)
		RISER DOWN (ELBOW)
		RISER UP (ELBOW)
		RISE OR DROP
		GATE VALVE
		CHECK VALVE
	BFP	BACK FLOW PREVENTER ASSEMBLY (REDUCED PRESSURE TYPE)
		GAS COCK
		BALANCING VALVE
		UNION
	FCO	FLOOR CLEANOUT
	YCO	YARD CLEANOUT OR CLEANOUT TO GRADE
	HB/WH	HOSE BIBB/WALL HYDRANT
		CAP ON END OF PIPE
	FD	FLOOR DRAIN
	GD/AD	GARAGE DRAIN / AREA DRAIN
	OSD	OPEN SITE DRAIN
		STACK/RISER DESIGNATION TYPE AS INDICATED BY ABBREVIATION

GENERAL NOTES AND REQUIREMENTS

1. FURNISH AND INSTALL PLUMBING SYSTEMS COMPLETE WITH ALL NECESSARY ACCESSORIES FULLY ADJUSTED AND READY FOR USE.
2. CONTRACTOR SHALL PAY FOR ALL REQUIRED FEES AND SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSES FOR COMPLETE INSTALLATION OF ALL PLUMBING WORK.
3. INSTALLATION OF FIXTURES, PIPING ETC. SHALL BE DONE IN A NEAT WORKLIKE MANNER AND SHALL CONFORM TO THE LATEST TRADE PRACTICES.
4. CONTRACTOR SHALL CONFORM TO APPLICABLE PLUMBING CODE AT THE LOCATION OF THE PROJECT AND IN ABSENCE OF SUCH CODE REFER TO THE BOCA PLUMBING CODE. IN THE EVENT OF CONFLICT THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN UNLESS OTHERWISE APPROVED.
5. PLUMBING SPECIFICATIONS:
   - A) SOIL, WASTE AND VENT PIPING AND FITTING WITHIN THE BUILDING MAY BE DWV PIPE, SCHEDULE 40, NO HUB OR HUB AND SPIGOT TYPE.
   - B) DOMESTIC WATER PIPING BELOW SLAB SHALL BE TYPE "L" SOFT TEMPER COPPER TUBING WITH LONG RADIUS TURNS. NO JOINTS UNDER FLOOR.

     DOMESTIC WATER PIPING ABOVE GRADE WITHIN THE BUILDING 2" & SMALLER SHALL BE CPVC WITH SOLVENT JOINTS. PIPING LARGER THAN 2" SHALL BE TYPE "L" COPPER.
   - C) NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE FITTINGS FOR THE EXTENDED METER SUPPLY LINE (EMSL) TO THE METER AND FROM THE METER TO REGULATOR AND APPLIANCES SHALL BE TYPE "L" COPPER COIL.
   - D) PIPE INSULATION SHALL BE 1/2" MOLDED FIBERGLASS PIPE INSULATION WITH UNIVERSAL VAPOR BARRIER JACKET, OR CLOSED CELL FOAM PLASTIC TUBULAR INSULATION ON ALL HOT WATER PIPING AND ALL WATER PIPING IN EXTERIOR WALLS, IN MECH. ROOMS AND ABOVE CEILINGS IN ATTIC.
   - E) ALL OTHER MATERIALS, NOT SPECIFICALLY DESCRIBED BUT REQD FOR A COMPLETE AND PROPER INSTALLATION OF PLUMBING SHALL BE NEW, FIRST IN QUALITY, AND COMPATIBLE WITH MATERIAL TO WHICH THEY ARE JOINED.

FIXTURE CONNECTION SCHEDULE — APARTMENTS ONLY

FIX. NO.	FIXTURE	ROUGH-IN PIPING WASTE	VENT	CW	HW	ACCESSORIES	FIXTURE DESCRIPTION
WC	WATER CLOSET	3"	1-1/2"	1/2"	——	#5322.011 RISE AND SHINE SEAT WITH COVER	2164.135 AMERICAN STANDARD WHITE VITREOUS CHINA WATER CLOSET, FLOOR CONNECTED
L	LAVATORY COUNTER MTD	1-1/2"	1-1/2"	1/2"	1/2"	DELTA 522 OR MOEN EQUAL	CULTURED MARBLE TOP W/ INTERGAL BOWL
L-2	LAVATORY PEDESTAL	1-1/2"	1-1/2"	1/2"	1/2"	DELTA 522 OR MOEN EQUAL	0236.400 AMERICAN STANDARD WHITE VITREOUS CHINA PEDESTAL LAVATORY
BT-1	BATHTUB	1-1/2"	1-1/2"	1/2"	1/2"	DELTA OR MOEN EQUAL	0135.137 A.S. (RIGHT HAND OUTLET) 0137.133 A.S. (LEFT HAND OUTLET) WHITE ENAMELED STEEL AMER. STANDARD
BT-2	BATHTUB	1-1/2"	1-1/2"	1/2"	1/2"	DELTA OR MOEN EQUAL	2661.002 AMERICAN STANDARD 60"x42"x20" GARDEN STYLE TUB
KS	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"	ELKAY MODEL LK-4100, SINGLE LEVER CONTROL, SWING SPOUT LESS SPRAY	ELKAY CR-3322 STAINLESS STEEL COUNTER SINK, 4 HOLE PUNCH
GD	GARBAGE DISPOSER	——	——	——	1/2"	PROVIDE UNDER KITCHEN SINK, DISHWASHER CONNECTION	IN-SINK-ERATOR, BADGER 1 1/3 HP, 115 V.
SH	SHOWER	1-1/2"	1-1/2"	1/2"	1/2"	DELTA 1348 PRESSURE BALANCE SHOWER FITTING	REFER TO ARCHITECTURAL DRAWINGS FOR BASE SIZE
SDB	SUPPLY DRAIN BOX	1-1/2"	1-1/2"	1/2"	1/2"		PLASTIC PRODUCTS OR OATELY

NOTES:
1. SIZES TO INDIVIDUAL FIXTURES SHALL BE SIZE INDICATED IN SCHEDULE ABOVE.

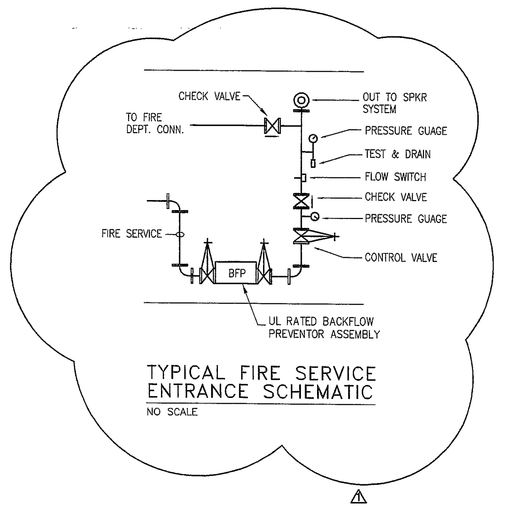
FIXTURE CONNECTION SCHEDULE — CLUBHOUSE ONLY

FIX. NO.	FIXTURE	ROUGH-IN PIPING WASTE	VENT	CW	HW	ACCESSORIES	FIXTURE DESCRIPTION
WC-1	WATER CLOSET STANDARD	4"	2"	1/2"	——	OLSONITE #95 OPEN FRONT LESS COVER MOUNT 14" AFF	2292.100 AMERICAN STANDARD WHITE VITREOUS CHINA WATER CLOSET, FLOOR MOUNTED
WC-2	WATER CLOSET HANDICAP	4"	2"	1/2"	——	OLSONITE #95 OPEN FRONT LESS COVER MOUNT 17" AFF	2168.100 AMERICAN STANDARD WHITE VITREOUS CHINA WATER CLOSET, FLOOR MOUNTED
U	URINAL	2"	2"	3/4"	——	SLOAN #186-1 FLUSH VALVE	6541.132 AMERICAN STANDARD WHITE VITREOUS CHIA URINAL WALL HUNG
L	LAVATORY COUNTER MTD	1-1/2"	1-1/2"	1/2"	1/2"	HERITAGE MODEL 5402.1724 FAUCET CENTERSET STYLE WITH WRIST BLADE HANDLES AND GRID DRAIN	0475.008 AMERICAN STANDARD WHITE VITREOUS CHINA LAVATORY COUNTER MOUNTED
SH	SHOWER HANDICAP	2"	1-1/2"	1/2"	1/2"	CHICAGO NO. 151 HAND HELD SHOWER ON SLIDE BAR PROVIDE ANTISCALD DEVICE	3636ST AMERICAN STANDARD 36"x36" SHOWER BASE W/ SEAT & GRAB BARS
KS	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"	LK-4100 SINGLE LEVER DECK MOUNTED FAUCET LESS SPRAY	CR-3321 ELKAY STAINLESS STEEL KITCHEN SINK 33"x21"
GD	GARBAGE DISPOSER	——	——	——	1/2"	PROVIDE UNDER KITCHEN SINK, DISHWASHER CONNECTION	IN-SINK-ERATOR, BADGER 1 1/3 HP, 115 V.
DF	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1/2"	——	HI/LOW	HALSEY TAYLOR HBL-NR STAINLESS STEEL FOUNTAIN
EWC	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1/2"	——	HI/LOW	HALSEY TAYLOR HBL-R STAINLESS STEEL WATER COOLER
SS	SERVICE SINK	2"	1-1/2"	1/2"	1/2"	FIAT A-1 SWING FAUCET	FIAT MODEL L-1 MOLDED STONE SERVICE SINK WITH WALL HANGER

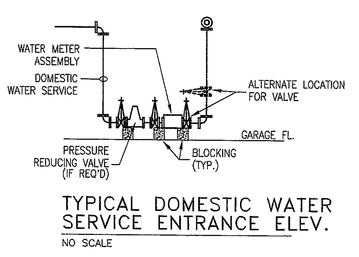
NOTES:
1. SIZES TO INDIVIDUAL FIXTURES SHALL BE SIZE INDICATED IN SCHEDULE ABOVE.

SEWAGE EJECTOR SCHEDULE

SEWAGE PUMP	LOCATION	INLET INVERT ELEV.	PUMP DISCH. "A"	BASIN SIZE "B"	STORAGE DEPTH "C"	PUMP GPM @ FT. TDH	PUMP RPM	MOTOR HP	MOTOR VOLT	MOTOR PH
1	JAN. CL. BLDG 3	2.00'	2"	24"	1.0'	24 @ 10	1750	1/2	120	1
2	JAN. RM. BLDG 1	1.54'	2"	24"	1.0'	24 @ 10	1750	1/2	120	1



TYPICAL FIRE SERVICE ENTRANCE SCHEMATIC
NO SCALE



TYPICAL DOMESTIC WATER SERVICE ENTRANCE ELEV.
NO SCALE

ACAD\LESSARD\METRO

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COMMONWEALTH OF VIRGINIA
JOSEPH C. SORRES
LICENSE No. 12330

CHECKED BY :
DATE CHECKED :

NO.	REVISION	DATE
1	FIRE MARSHALL COMMENTS	12/19/00

DRAWING TITLE :
SCHEDULES, DETAILS, DIAGRAMS & NOTES

PROJECT NAME :
METRO PLACE CONDOS AT DUNN LORING FAIRFAX COUNTY VIRGINIA.

DRAWN BY :
PROJECT NO. : JAD-14
DATE : 01/31/00
SCALE :
SHEET NO. : P-18