

PIPING AND FITTING ASSEMBLY SCHEDULE

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DESIGNATION	SYSTEM NAME	SYSTEM TEMP RANGE	PRESSURE RANGE	MATERIAL	CONNECTION TYPE	INSULATION MATERIAL	INSULATION THICKNESS				COVERING	COVERING COLOR	IDENTIFICATION PRIMARY COLOR	IDENTIFICATION SECONDARY COLOR	IDENTIFICATION TEXT
							DIA<1"	1"<DIA<2"	2"<DIA<4"	4"<DIA<8"					
— — — — —	DOMESTIC COLD WATER	ABOVE 50 DEGREES AND BELOW 100 DEGREES	20-150 PSI	ABG- CPL, DI BEG- CPK, DI	S/D, FLG, GRV S/D, FLG, GRV	ABG- ELM, FBG BEG- NONE	1/2"	1"	1"	1"	D/P: PVC, ALM, SST CCL, FSK TRACER TAPE	D/P: BLACK	GREEN	WHITE	DOMESTIC COLD WATER
— — — — —	DOMESTIC HOT WATER	ABOVE 70 DEGREES AND BELOW 130 DEGREES	20-150 PSI	ABG- CPL, DI BEG- CPK, DI	S/D, FLG, GRV S/D, FLG, GRV	ABG- ELM, FBG BEG- NONE	1 1/2"	2"	2"	2"	D/P: PVC, ALM, SST CCL, FSK TRACER TAPE	D/P: BLACK	GREEN	WHITE	DOMESTIC HOT WATER
— — — — —	DOMESTIC HOT WATER RECIRCULATION	ABOVE 70 DEGREES AND BELOW 130 DEGREES	20-150 PSI	ABG- CPL, DI BEG- CPK, DI	S/D, FLG, GRV S/D, FLG, GRV	ABG- ELM, FBG BEG- NONE	1 1/2"	2"	2"	2"	D/P: PVC, ALM, SST CCL, FSK TRACER TAPE	D/P: BLACK	GREEN	WHITE	DOMESTIC HOT WATER RECIRCULATION
— 140 —	DOMESTIC 140°F WATER	ABOVE 130 DEGREES AND BELOW 150 DEGREES	20-150 PSI	ABG- CPL, DI BEG- CPK, DI	S/D, FLG, GRV S/D, FLG, GRV	ABG- ELM, FBG BEG- NONE	1 1/2"	2"	2"	2"	D/P: PVC, ALM, SST CCL, FSK TRACER TAPE	D/P: BLACK	GREEN	WHITE	DOMESTIC 140°F WATER
— 140R —	DOMESTIC HIGH TEMP. WATER RECIRCULATION	ABOVE 130 DEGREES AND BELOW 150 DEGREES	20-150 PSI	ABG- CPL, DI BEG- CPK, DI	S/D, FLG, GRV S/D, FLG, GRV	ABG- ELM, FBG BEG- NONE	1 1/2"	2"	2"	2"	D/P: PVC, ALM, SST CCL, FSK TRACER TAPE	D/P: BLACK	GREEN	WHITE	DOMESTIC HOT WATER RECIRCULATION
— TW —	TEMPERED HOT WATER	ABOVE 50 DEGREES AND BELOW 100 DEGREES	20-150 PSI	ABG- CPL, DI BEG- CPK, DI	S/D, FLG, GRV S/D, FLG, GRV	ABG- ELM, FBG BEG- NONE	1 1/2"	2"	2"	2"	D/P: PVC, ALM, SST CCL, FSK TRACER TAPE	D/P: BLACK	GREEN	WHITE	TEMPERED HOT WATER
— — — — —	SANITARY SEWER	LESS THAN 130 DEGREES	0-20 PSI	ABG- CPD, CS BEG- CPD, CS, PVC	S/D, NHB S/D, PSN, GLU	NONE	--	--	--	--	NONE	D/P: BLACK	GREEN	WHITE	SANITARY SEWER
- - - - -	SANITARY VENT	LESS THAN 130 DEGREES	0-20 PSI	ABG- CPD, CS, GST BEG- CPD, CS, PVC	S/D, NHB, NPT S/D, PSN, GLU	NONE	--	--	--	--	NONE	D/P: BLACK	GREEN	WHITE	SANITARY SEWER VENT
— 50 —	STORM DRAIN	LESS THAN 100 DEGREES	0-20 PSI	ABG- CPD, CS, GST BEG- CS, PVC, RCP	S/D, NHB, NPT PSN, GLU, GSK	HORIZONTAL: ELM, FBG VERTICAL: NONE	1 1/2"	1 1/2"	1 1/2"	1 1/2"	D/P: PVC, ALM, SST CCL, FSK NONE	D/P: BLACK	GREEN	WHITE	STORM SEWER
— 250 —	EMERGENCY STORM DRAIN	LESS THAN 100 DEGREES	0-20 PSI	ABG- CPD, CS, GST BEG- CS, PVC, RCP	S/D, NHB, NPT PSN, GLU, GSK	NONE	--	--	--	--	NONE	D/P: BLACK	GREEN	WHITE	EMERGENCY STORM SEWER
— FPM —	PUMPED FORCE MAIN	LESS THAN 100 DEGREES	0-50 PSI	ABG- GST BEG- PVC	NPT GLU	NONE	--	--	--	--	NONE	D/P: BLACK	GREEN	WHITE	PUMPED FORCE MAIN
— GW —	GREASE WASTE	LESS THAN 160 DEGREES	0-20 PSI	ABG- CPD, CS BEG- CPD, CS	S/D, NHB S/D, PSN	NONE	--	--	--	--	NONE	D/P: BLACK	GREEN	WHITE	GREASE WASTE
— AW —	ACID WASTE DRAIN	LESS THAN 130 DEGREES	0-20 PSI	PROYLENE, POLYPROPYLENE	WLD, FUSED	NONE	--	--	--	--	NONE	D/P: BLACK	BLUE	WHITE	ACID WASTE DRAIN
— CA —	COMPRESSED AIR	LESS THAN 130 DEGREES	0-150 PSI	ALM, BST, CPM, SST	WLD, NPT, SLD, FLG	NONE	--	--	--	--	NONE	D/P: BLACK	YELLOW	BLACK	COMPRESSED AIR
— D —	DRAIN	LESS THAN 99 DEGREES GREATER THAN 100 DEGREES	0-20 PSI 0-20 PSI	CPL, PVC, GST CPL, GST	S/D, GLU, NPT S/D, NPT	ELM, FBG FBG	1/2" 1/2"	1" 1"	1" 1"	1" 1"	D/P: PVC, ALM, SST CCL, FSK D/P: PVC, ALM, SST CCL, FSK	D/P: BLACK D/P: BLACK	GREEN GREEN	WHITE WHITE	DRAIN DRAIN
— CD —	CONDENSATE DRAIN	LESS THAN 100 DEGREES	0-20 PSI	CPD, PVC, GST	S/D, GLU, NPT	ELM, FBG	1/2"	1"	1"	1"	D/P: PVC, ALM, SST CCL, FSK	D/P: BLACK	GREEN	WHITE	CONDENSATE DRAIN
— G —	NATURAL GAS	LESS THAN 130 DEGREES	0-20 PSI	ABG- BST BEG- POLYETHYLENE	WLD, NPT GLU	NONE	--	--	--	--	NONE	D/P: BLACK	YELLOW	BLACK	NATURAL GAS - #FFS1
— LP —	PROPANE GAS	LESS THAN 130 DEGREES	0-20 PSI	ABG- BST BEG- POLYETHYLENE	WLD, NPT GLU	NONE	--	--	--	--	NONE	D/P: BLACK	YELLOW	BLACK	NATURAL GAS - #FFS1
— GV —	GAS VENT	LESS THAN 130 DEGREES	0-20 PSI	CPL, BST	S/D, WLD, NPT	NONE	--	--	--	--	NONE	D/P: BLACK	YELLOW	BLACK	NATURAL GAS - VENT
— MU —	MAKE UP WATER	ABOVE 50 DEGREES AND BELOW 100 DEGREES	20-150 PSI	ABG- CPL, DI BEG- CPK, DI	S/D, FLG, GRV S/D, FLG, GRV	ELM, FBG NONE	--	--	--	--	D/P: PVC, ALM, SST CCL, FSK	D/P: BLACK	GREEN	WHITE	MAKE-UP WATER
— VAC —	VACUUM (AIR)	LESS THAN 130 DEGREES	0-150 PSI	ALM, CPM, SST	WLD, NPT, SLD, FLG	NONE	--	--	--	--	NONE	D/P: BLACK	BLUE	WHITE	VACUUM (AIR)
— HT —	HEAT TRACED	ABOVE 30 DEGREES AND BELOW 130 DEGREES	20-150 PSI	REFER TO SYSTEM MATERIAL, EXCLUDE PVC	REFER TO SYSTEM CONNECTION	FBG, CLG	1 1/2"	2"	2"	2"	D/P: ALM, SST CCL, FSK	D/P: SYSTEM COLOR WITH YELLOW STRIP	YELLOW	BLACK	HEAT TRACED
NOTES: 1. ALL PIPING SYSTEM TYPES MAY NOT BE USED ON THESE CONTRACT DOCUMENTS. 2. FOR HEAT TRACED SYSTEMS, INCLUDE IDENTIFICATIONS FOR BOTH HEAT TRACING AND SYSTEM DESIGNATION. 3. WHERE PLASTIC PIPING IS USED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPATIBILITY OF THE INSTALLED PIPING SYSTEM WITH THE BUILDING'S HVAC SYSTEM. WHERE PLENUM RATED MATERIALS ARE REQUIRED BY ANY FEDERAL, STATE, OR MUNICIPAL AUTHORITY'S CONSTRUCTION CODES, PLASTIC PIPING SHALL BE COVERED IN ITS ENTIRETY BY AN APPROVED FIRE RETARDANT INSULATING MATERIAL. FIRE RETARDANT INSULATING SYSTEMS SHALL BE CERTIFIED TO MEET ASTM E-84 AND UL 723 STANDARDS FOR FLAME SPREAD AND SMOKE GENERATION. FIRE RETARDANT INSULATING SYSTEMS SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. 4. LABEL PIPING EVERY 25', AT EACH CONNECTION TO A TEE AND AT FLOOR PENETRATIONS. 5. COVERING COLOR APPLIES TO EXPOSED INTERIOR PIPING ONLY. 6. DO NOT PAINT PVC PIPE OR JACKET. FURNISH COLORED BANDS ON PVC PIPE. PROVIDE COLORED PVC JACKETS. 7. ALL INSULATION SHALL HAVE A COVERING. DO NOT PAINT INSULATION DIRECTLY.						ABG ALUM ASK WHITE KRAFT FIBER PAPER BEG BELOW GROUND BRZ BRACED DI BLACK STEEL PIPE CCL CONCEALED CS CAST IRON SERVICE WEIGHT CLG CELLULAR GLASS	CPD COPPER TYPE DWV CPK COPPER TYPE K CPL COPPER TYPE L CPM COPPER TYPE M CTL COPPER TUBING TYPE L DI DUCTILE IRON ELM ELASTOMERIC DIP EXPOSED FBG FIBERGLASS	FLG FLANGED FSK FOIL BACK KRAFT FIBER PAPER GLU GLUED GRV GROOVED GSK RUBBER GASKETS GST GALVANIZED STEEL NHB NO HUB FITTINGS NPT THREADED PSN PUSH ON	PVC POLYVINYL CHLORIDE RCP REINFORCED CONCRETE PIPE SBS SEAMLESS BLACK STEEL PIPE, SCH. 80 SLD SLOURED SST STAINLESS STEEL WLD WELDED						

PLUMBING FIXTURE SCHEDULE

TAG	BASIS OF DESIGN		PIPE CONNECTIONS				ENGINEERING CHARACTERISTICS				COMMENTS
	MANUFACTURER	MODEL	CW	HW	WASTE	VENT	DFU	CWFU	HWFU	COMB FU	
LAV-1	KOHLER	PENNINGTON K-219G	1/2"	1/2"	1 1/4"	1 1/4"	1	0.5	0.5	0.7	WITH WATER SUPPLIES, P-TRAP, GRID DRAIN, ADA INSULATION, ASSE 1070 MIXING VALVE AND TRITON K-7404-5N FAUCET
S-1	EUKAY	DLR252110	1/2"	1/2"	1 1/2"	1 1/4"	2	1	1	1.4	WITH WATER SUPPLIES, P-TRAP, STRAINER DRAIN, AND LKD2325BH5C FAUCET
SH-1	SYMMONS	TEMPITROL C-96-1-TRM	1/2"	1/2"	1 1/2"	1 1/4"	2	1	1	1.4	ASSE 1016 COMPLIANT
WC-1	KOHLER	WELLWORTH CLASSIG K-3575-Q	3/4"	0"	3"	1 1/2"	3	2.2		2.2	WITH SEAT AND WATER SUPPLY

DRAIN SCHEDULE

TAG	BASIS OF DESIGN		W	WFU	COMMENTS
	MANUFACTURER	MODEL			
FD-1	ZURN	Z886	2"	2	
TD-1	ZURN	Z886	2"	2	

DOMESTIC WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN		STORAGE	GPM	GAS INPUT	ELECTRICAL CHARACTERISTICS		WEIGHT	COMMENTS
	MANUFACTURER	MODEL				VOLTAGE	PHASE		
DWH-1	A.O. SMITH	ACT-199H-1N	0.0 gal	4.8	199000.0 Btu/h	120 V	1	71.00 lb	1, 2, 3

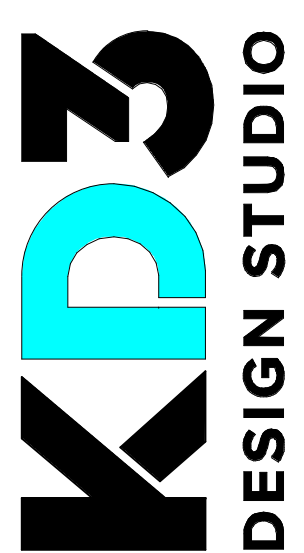
1. CONCENTRIC VENT KIT.
2. NEUTRALIZATION KIT.
3. ISOLATION VALVE KIT.

GREEN BUILDING ENGINEERS



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PLUMBING SCHEDULES

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DATE : 01/08/2024

SCALE : AS NOTED

JOB NO: 544-23

SHEET