

three inches = one foot
one and one-half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

ABBREVIATIONS (NOT ALL SYMBOLS WILL APPLY TO THIS WORK)			
A/E	ARCHITECT/ENGINEER	O2	OXYGEN
AD	AREA DRAIN	OD	ON CENTER
AFF	ABOVE FINISH FLOOR	OD	OUTSIDE DIAMETER
AFG	ABOVE FINISH GRADE	OFD	OVERFLOW DRAIN
AG	AIR GAP	OR	OPERATING ROOM
AP	ACCESS PANEL	OVFL	OVERFLOW
AS	AUTOMATIC SPRINKLER	PA	PASCAL
ASD	ADJUSTABLE SPEED DRIVES	PP	PUMP
ASD	AUTOMATIC SPRINKLER DRAIN	PD	PRESSURE DROP OR DIFFERENCE
ASHRAE	AMERICAN SOCIETY OF MECHANICAL ENGINEERS, AIR CONDITIONING ENGINEERS	PDI	PLUMBING AND DRAINAGE INSTITUTE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	PG	PRESSURE GAGE
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	PPM	PARTS PER MILLION
ASR	AUTOMATIC SPRINKLER RISER	PRS	PRESSURE REDUCING STATION
AV	ACID VENT	PRV	PRESSURE REDUCING VALVE
AW	ACID WASTE	PSI	POUNDS PER SQUARE INCH
BFP	REDUCED PRESSURE BACKFLOW PREVENTER	PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
BHP	BREAK HORSEPOWER	PSIG	POUNDS PER SQUARE INCH GAUGE
BSP	BLACK STEEL PIPE	PTRV	PRESSURE TEMPERATURE RELIEF VALVE
BT	BATHTUB	PW	POTABLE WATER
BTU	BRITISH THERMAL UNIT	RD	ROOF DRAIN
BTU/HR	BRITISH THERMAL UNIT PER HOUR	RDL	ROOF DRAIN LEADER
C	CELSIUS	RL	ROOF LEADER
C/C	CUT AND CAPPED PIPE	RO	REVERSE OSMOSIS WATER
CD	CONDENSATE DRAIN	RWL	RAIN WATER LEADER
CGA	COMPRESSED GAS ASSOCIATION	SAN	SANITARY SEWER
CI	CAST IRON	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
C/O	CUT AND LEFT OPEN PIPE	SCFM	STANDARD CUBIC FOOT/MINUTE
CO	CLEANOUT	SCW	SOFTENED COLD WATER
CS	CLINICAL SINK	SDMH	STORM DRAIN MANHOLE
CV	CONTROL VALVE	SP	SUMP PUMP
CW	COLD WATER	SPR	SPRINKLER LINE
(D)	EXISTING ITEM TO BE DEMOLISHED	SOFT	SQUARE FEET
DOW	DOMESTIC COLD WATER	SS	STAINLESS STEEL
DHW	DOMESTIC HOT WATER	ST	STORAGE TANK
DHWR	DOMESTIC HOT WATER RETURN	SW	STORM WATER
DHWR	DOMESTIC WATER RETURN	TCV	TEMPERATURE CONTROL VALVE
DHWS	DOMESTIC HOT WATER SUPPLY	TD	TEMPERATURE DIFFERENCE
DI	DEIONIZED WATER	TDH	TOTAL DYNAMIC HEAD
DN	DOWN	TEMP	TEMPERATURE
DOE	DEPARTMENT OF ENERGY	TMV	THERMOSTATIC MIXING VALVE
DS	DOWNSPOUT	TP	TRAP PRIMER
DW	DISHWASHER	TSTAT	THERMOSTAT
DWG	DRAWING	TWR	TEMPERED WATER RETURN
DWH	DOMESTIC WATER HEATER	TWS	TEMPERED WATER SUPPLY
DWR	DRINKING WATER RETURN	TYP	TYPICAL
DWS	DRINKING WATER SUPPLY	UPC	UNIFORM PLUMBING CODE
DWV	DRAIN WASTE VENT	V	VENT
(E)	EXISTING ITEM TO REMAIN	VAC	VACUUM
EL	ELEVATION	VB	VACUUM BREAKER
EMCS	ENERGY MONITORING AND CENTRAL SYSTEM	VCD	VACUUM CLEANER OUTLET
EPA	ENVIRONMENTAL PROTECTION AGENCY	VP	VACUUM PUMP
EPACT	ENERGY POLICY ACT	VTR	VENT THROUGH ROOF
ESC	ESCUOTHEON	W	WASTE
ESH	EMERGENCY SHOWER	WC	WATER CLOSET
ET	EXPANSION TANK	WCO	WALL CLEANOUT
EW	ELECTRIC WATER COOLER	WG	WATER GAGE
EW	ELECTRIC WATER HEATER	WH	WALL HYDRANT
EW	EYE WASH STATION	WH	WATER HEATER
EX	EXISTING	WHA	WATER HAMMER ARRESTER
F	FAHRENHEIT	WL	WATER LINE
FCO	FLOOR CLEANOUT	WM	WATER METER
FCW	FILTERED COLD WATER	WPD	WATER PRESSURE DROP
FD	FLOOR DRAIN	WS	WASTE STACK
FDC	FIRE DEPARTMENT CONNECTION	YCO	YARD CLEANOUT
FM	FLOW METER	YH	YARD HYDRANT
FOP	FUEL OIL PUMP		
FOR	FUEL OIL RETURN		
FOS	FUEL OIL SUPPLY		
FOV	FUEL OIL VENT		
FS	FLOOR SINK		
FS	FLOW SWITCH		
FU	FIXTURE UNITS		
GAL	GALLON		
GCD	GRADE CLEANOUTS		
GPD	GALLONS PER DAY		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
GPR	GAS PRESSURE REGULATOR		
GRS	GAS REGULATOR STATION		
GT	GREASE TRAP		
GVTR	GAS VENT THROUGH ROOF		
GWH	GAS FIRED WATER HEATER		
H&CW	HOT AND COLD WATER		
HB	HUB		
HD	HUB DRAIN		
HEX	HEAT EXCHANGER		
HP	HORSEPOWER		
HS	HAND SINK		
HST	HOT WATER STORAGE TANK (DOMESTIC)		
HWP	HOT WATER BOILER		
HWP	HOT WATER CIRCULATING PUMP		
HWP	HOT WATER PUMP		
HWR	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		
HYD	HYDRANT		
ICW	INDUSTRIAL COLD WATER		
INV	INVERT		
IPC	INTERNATIONAL PLUMBING CODE		
IRW	IRRIGATION WATER		
IW	INDIRECT WASTE		
IWH	INSTANTANEOUS WATER HEATER		
IWR	INDUSTRIAL WATER RETURN		
IWS	INDUSTRIAL WATER SUPPLY		
KW	KILOWATT		
KWHR	KILOWATT-HOUR		
L/S	LITER PER SECOND		
LA	LABORATORY AIR		
LAV	LAVATORY		
LBS/HR	POUNDS PER HOUR		
LW	LABORATORY COLD WATER		
LWH	LABORATORY HOT WATER		
LNG	LIQUID NATURAL GAS		
LOX	LIQUID OXYGEN		
LV	LABORATORY VACUUM		
LW	LOW WATER		
M	METER		
MA	MEDICAL AIR		
MAY	MANUAL AIR VENT		
MBH	1000 BTUH		
MED	MEDICAL		
MER	MECHANICAL EQUIPMENT ROOM		
MH	MANHOLE		
MOU	MEMORANDUM OF UNDERSTANDING		
MSB	MOP SERVICE BASIN		
MV	MEDICAL VACUUM		
N2	NITROGEN		
N2O	NITROUS OXIDE		
NC	NORMALLY CLOSED		
NG	NATURAL GAS		
NC	NOT IN CONTRACT		
NO	NORMALLY OPEN		
NOM.A	NOMINAL		
NPW	NON POTABLE WATER		
NWC	NOT TO SCALE		

VALVE SYMBOLS (NOT ALL SYMBOLS WILL APPLY TO THIS WORK)	
	GATE VALVE - THREADED/FLANGED
	BALL VALVE - THREADED/FLANGED
	GATE VALVE WITH 3/4" HOSE ADAPTER
	CHECK VALVE
	WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
	WYE STRAINER WITH VALVED DRAIN AND QUICK-COUPLE HOSE CONNECTOR
	FLEXIBLE CONNECTION
	ANGLE GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE (ISOMETRIC OR DETAIL)
	MODULATING CONTROL VALVE
	MODULATING CONTROL BUTTERFLY VALVE
	TWO POSITION CONTROL VALVE
	THREE-WAY MODULATING CONTROL VALVE
	THREE-WAY TWO POSITION CONTROL VALVE
	PRESSURE REGULATING VALVE
	PRESSURE SAFETY VALVE
	AUTOMATIC BALANCING CONTROL VALVE
	CIRCUIT SETTER VALVE
	GATE VALVE WITH GLOBE-VALVED BYPASS
	PLUG VALVE
	CONTROL VALVE (CV) - FLOAT-OPERATED
	PRESSURE REDUCING VALVE (PRV)
	WATER LEVEL CONTROLLER
	FLOW METER

GENERAL PIPING SYMBOLS (NOT ALL SYMBOLS WILL APPLY TO THIS WORK)	
	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	ANCHOR
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
	INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL
	FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL
	THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL
	THERMOMETER
	PRESSURE GAGE
	FLOW ELEMENT
	REFRIGERANT SIGHT GLASS
	TEST PLUG (PRESSURE/TEMPERATURE)
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	QUICK-COUPLE HOSE CONNECTOR
	END OF DEMOLITION
	CONNECTION BETWEEN NEW AND EXISTING
	EXISTING ITEMS TO BE DEMOLISHED
	RISER NUMBER (EXAMPLE=1)
	PHOTO INDICATOR
	PENETRATION

PIPING SYMBOLS (NOT ALL SYMBOLS WILL APPLY TO THIS WORK)	
	HIGH PRESSURE STEAM (60 PSIG AND ABOVE)
	HIGH PRESSURE STEAM CONDENSATE RETURN
	MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG)
	MEDIUM PRESSURE STEAM CONDENSATE RETURN
	LOW PRESSURE STEAM (15 PSIG AND BELOW)
	LOW PRESSURE STEAM CONDENSATE RETURN
	CONDENSATE PUMP DISCHARGE
	HOT WATER HEATING SUPPLY
	HOT WATER HEATING RETURN
	GLYCOL-WATER HEATING SUPPLY
	GLYCOL-WATER HEATING RETURN
	SOLAR WATER SUPPLY
	SOLAR WATER RETURN
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	REFRIGERANT HOT GAS
	CHILLED WATER SUPPLY (FROM TOWER)
	CHILLED WATER RETURN (TO TOWER)
	CHILLED GLYCOL-WATER SUPPLY
	CHILLED GLYCOL-WATER RETURN
	MAKE-UP WATER
	DRAIN LINE
	VENT LINE
	GLYCOL-WATER RUN AROUND SUPPLY
	GLYCOL-WATER RUN AROUND RETURN
	EXISTING PIPE TO BE REMOVED
	FEEDWATER PUMP DISCHARGE
	FEEDWATER PUMP SUCTION
	CONDENSATE TRANSFER PUMP DISCHARGE
	CONDENSATE TRANSFER PUMP SUCTION
	VACUUM CONDENSATE RETURN
	TUBE CLEANER WATER SUPPLY
	BOILER BLOWOFF
	CONTINUOUS BLOWDOWN
	BOILER WATER SAMPLE
	FEEDWATER SAMPLE (FROM DEAERATOR)
	CHEMICAL FEED
	OVERFLOW
	COMPRESSED AIR
	NATURAL GAS MAIN FUEL
	NATURAL GAS IGNITER FUEL
	LIQUEFIED PETROLEUM GAS IGNITER FUEL
	FUEL OIL SUPPLY
	FUEL OIL RETURN
	COLD WATER (CITY WATER)
	SOFTENED WATER
	HOT WATER
	ROLLER-TYPE HANGER
	VARIABLE SPRING-TYPE HANGER (TYPE 51)*
	SPRING CUSHION-TYPE HANGER (TYPE 48 OR 49)*
	CLEVIS-TYPE HANGER
	TRAPEZOIDAL HANGER (PROVIDE U-BOLT PIPE ATTACHMENT TO TRAPEZOID EXCEPT WHERE RH ARE INDICATED)
	FLOOR-SUPPORTED PIPE STAND
	RISER CLAMP (TYPE 42)*
	WALL BRACKET (TYPE 31, 32, 33)*
	CONSTANT SUPPORT HANGER (TYPE 54, 55, 56)*
	SLIDING SUPPORTS (TYPE 35)*
* TYPE NUMBERS REFER TO MANUFACTURER'S STANDARDIZATION SOCIETY STANDARD PRACTICE SP-58	
	EXISTING SANITARY PIPE
	EXISTING VENT PIPE
	NEW SANITARY WASTE PIPE
	NEW SANITARY VENT PIPE
	NEW MEDICAL AIR LINE
	NEW VACUUM LINE
	NEW OXYGEN LINE
	NEW STORM PIPE

ARCHITECTURAL LEGEND (REFER ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS)	
	FIRE RESISTIVE RATED LINE, 2 HOUR
	NON-RATED SMOKE RESISTIVE
	AREA NOT IN CONTRACT

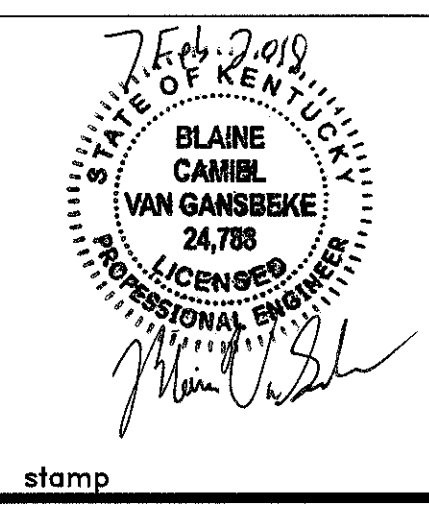
GENERAL NOTES	
1. DRAWINGS	a. PLUMBING DRAWINGS ARE TO BE CONSIDERED DIAGRAMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK AND SYSTEMS. IT IS NOT POSSIBLE TO INDICATE EVERY FITTING, VALVE, OFFSET, TRAP, ACCESS PANEL, ETC. THAT IS REQUIRED FOR A PROPER PLUMBING SYSTEM AND MAINTENANCE THEREOF. NO ADDITIONAL COST WILL BE ALLOWED FOR SUCH ITEMS.
b. FOR EXISTING SYSTEMS, ALL LINES AND CONDITIONS SHOWN ON THE DRAWING HAVE BEEN SHOWN IN GOOD FAITH. HOWEVER, THERE IS NO IMPLIED GUARANTEE AS TO THEIR SIZE, LOCATION, ELEVATION, COMPLIANCE WITH CURRENT CODES OR THE CONDITIONS. THE CONTRACTOR SHALL INVESTIGATE ALL EXISTING CONDITIONS AND SHALL MODIFY THE PROPOSED WORK AS REQUIRED OR DIRECTED.	
c. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EQUIPMENT LOCATIONS, ETC. AND OTHER SPACE CONDITIONS. CHECK DRAWINGS OF OTHER TRADES TO COORDINATE PLUMBING WORK.	
2. FEES/INSPECTIONS:	a. PAY ALL FEES AND ARRANGE FOR ALL INSPECTIONS. SUCH INSPECTIONS ARE TO BE CONDUCTED BY AUTHORITIES HAVING JURISDICTION. ADVISE THE COR/G.C. OF ANY MODIFICATION TO OR DEVIATION FROM THE CONTRACT DOCUMENTS IN ORDER TO COMPLY WITH CODES. ENTERING INTO A CONTRACT WILL BE DEEMED AS EVIDENCE OF COMPLIANCE WITH THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION OVER THE WORK.
3. QUALITY ASSURANCE:	a. ALL PLUMBING WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES AS WELL AS ALL UTILITY COMPANY REGULATIONS. THESE CODES SHALL SUPERCEDE ANY INFORMATION CONTAINED WITHIN THE DRAWING SET CONTRADICTING THESE CODES.
b. EACH PIECE OF EQUIPMENT SHALL HAVE MANUFACTURER'S NAME, ADDRESS, SERIAL, AND MODEL NUMBERS ON A PLATE SECURELY ATTACHED TO IT.	
c. ALL PIPING ABOVE GRADE SHALL HAVE AN EXPOSED TAG TO IDENTIFY THE PIPE.	
d. EACH PIECE OF EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR AS INDICATED ON PLANS.	
e. ALL PLUMBING WORK SHALL BE PERFORMED BY INDIVIDUALS SKILLED IN THIS TRADE AND COMPLETED IN A PROFESSIONAL MANNER.	
f. EACH PIECE OF EQUIPMENT SHALL BE INSTALLED AS FREE FROM NOISE AND VIBRATION AS POSSIBLE.	
4. EQUIPMENT DELIVERY AND STORAGE:	a. DELIVER EQUIPMENT TO THE SITE IN MANUFACTURER'S ORIGINAL PACKAGING. CLEARLY MARK EACH ITEM WITH THE PROPER IDENTIFICATION NUMBER. STORE IN SAFE DRY AREA.
5. EQUIPMENT MANUALS/SUBMITTALS:	a. SUBMIT EQUIPMENT CATALOGS TO OWNER/G.C. FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. ONCE APPROVED, PROVIDE OWNER/G.C. WITH COPIES OF THESE ITEMS.
PRODUCTS/MATERIALS	1. PIPING: a. DOMESTIC WATER PIPING ABOVE GRADE - SHALL BE TYPE "L" HARD COPPER TUBING AND CAST BRONZE OR WROUGHT COPPER SOLDER JOINT FITTINGS. SOLDER SHALL BE LEAD FREE, HAVING A COMPOSITION SIMILAR TO 85.5% TIN, 14% COPPER AND 0.5% SILVER AS MANUFACTURED BY ENGELHARD CORP. OR EQUAL. VALVES IN DOMESTIC WATER PIPING 2" AND SMALLER SHALL BE BRONZE BODY WITH FULL PORT STAINLESS STEEL BALL VALVE WITH LEVER HANDLE. INSULATION SHALL BE 3/4" THICK, PREFORMED FIBERGLASS WITH VAPOR BARRIER JACKET, AS AN OPTION, FOR PIPE SIZES 2" AND SMALLER, THE CONTRACTOR MAY USE A 3/8" THICK PRE-MOLDED FOAM PLASTIC SIMILAR TO "ARMAFLEX". IN EITHER CASE THE INSULATION MATERIAL SHALL HAVE A FLAME SPREAD RATING OF 25 AND A SMOKE GENERATED RATING OF 50. b. CONDENSATE DRAIN PIPING - SHALL BE P.V.C. DWV SCH. 40 OR TYPE "L" HARD COPPER TUBING. INSULATE CONDENSATE DRAIN WITH A PREFORMED NITRIL RUBBER BASED ELASTOMETRIC PIPE INSULATION, SECURED WITH ADHESIVE. INSULATION THICKNESS SHALL BE 3/4" THICK. c. SANITARY WASTE & VENT PIPING ABOVE GROUND - SHALL BE NO-HUB CAST IRON PIPE AND FITTINGS WITH NEOPRENE SLEEVE AND STAINLESS STEEL DRAW BAND JOINTS, OR WHERE ALLOWED, THE CONTRACTOR MAY USE P.V.C. SCHEDULE 40 DWV PIPING AND FITTINGS. FLOOR SINK THAT SERVE BEVERAGE UNITS TO BE "DURIRON" OR EQUAL.
EXECUTION	1. LAYOUT: PLUMBING a. PRIOR TO INSTALLATION, LAYOUT ALL PLUMBING WORK IN A MANNER THAT WILL ALLOW INSTALLATION OF ALL OTHER WORK INDICATED. b. COORDINATE AND COMMUNICATE INSTALLATION OF PLUMBING WORK WITH THAT OF OTHER TRADES, SO THAT ALL WORK MAY BE INSTALLED IN SPACE AVAILABLE. c. PROVIDE ALL ADA INSULATION PROTECTION AS REQUIRED. 2. EQUIPMENT: a. INSTALL ALL MATERIAL AND EQUIPMENT IN A NEAT AND WORK- MANLIKE MANNER IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND PROVIDE FOR THE FOLLOWING: i. CONNECTION OF PIPING AND ACCESSORIES TO EQUIPMENT SHALL PERMIT EASY REMOVAL WITH MINIMUM OF DISTURBANCE TO OTHER EQUIPMENT AND MATERIALS. ii. ITEMS REQUIRING INSPECTION, ADJUSTMENT, MAINTENANCE, SERVICING OR REPLACEMENT SHALL BE EASILY ACCESSIBLE. b. SLEEVE TO BE INSTALLED (2" MINIMUM AFF) FOR ALL PENETRATIONS. 3. EXISTING PLUMBING SYSTEMS: a. ALL EXISTING PIPING, MATERIALS OR EQUIPMENT NOT REQUIRED FOR THE NEW SYSTEM, WHETHER OR NOT SUCH ITEMS ARE INDICATED ON PLANS, SHALL BE REMOVED. THE STATUS OF ALL SUCH ITEMS SHALL BE VERIFIED BY THIS CONTRACTOR BEFORE DISCONNECTING, CAPPING OR REMOVING. b. ALL EXISTING PIPING, MATERIALS OR EQUIPMENT WHICH WILL REMAIN AS PART OF THE ACTIVE SYSTEM SHALL BE VISUALLY INSPECTED. ANY SUCH ITEMS FOUND TO BE DEFECTIVE SHALL BE REMOVED AND REPLACED WITH NEW MATERIALS OF LIKE SUBSTANCE, SIZE AND TYPE. ALL PLUMBING SYSTEMS THAT HAVE BEEN REPAIRED, MODIFIED OR RELOCATED SHALL BE TESTED IN ACCORDANCE WITH THIS SPECIFICATION FOR NEW SYSTEMS.
TESTS AND INSPECTIONS	1. DOMESTIC WATER SYSTEM - STERILIZE THE ENTIRE WATER DISTRIBUTION SYSTEM THOROUGHLY WITH A SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF AVAILABLE CHLORINE. USE EITHER LIQUID CHLORINE OR CALCIUM HYPOCHLORITE CONFORMING TO FEDERAL SPECIFICATIONS. ALLOW THE STERILIZING SOLUTION TO REMAIN IN THE SYSTEM FOR EIGHT HOURS. DURING WHICH TIME ALL VALVES AND FAUCETS SHALL BE OPENED AND CLOSED SEVERAL TIMES. AFTER STERILIZATION, THE SOLUTION SHALL BE FLUSHED FROM THE SYSTEM WITH CLEAN WATER UNTIL THE RESIDUAL CHLORINE CONTENT IS NOT GREATER THAN 0.2 PARTS PER MILLION UNLESS DIRECTED OTHERWISE. TEST SYSTEM HYDROSTATICALLY AT 100 PSIG MINIMUM FOR A PERIOD OF 24 HOURS WITH A PRESSURE LOSS NOT TO EXCEED 1 PSIG. 2. SANITARY DRAINAGE SYSTEM - SHALL BE WATER TESTED BEFORE FINAL CONNECTION TO THE SANITARY SEWER. ALL OPENINGS SHALL BE PLUGGED EXCEPT THE HIGHEST OPENING WHICH SHALL PRODUCE A MINIMUM OF A 10 FOOT HEAD. THE SYSTEM SHALL RETAIN THE WATER LEVEL FOR AT LEAST 15 MINUTES AT WHICH TIME ALL JOINTS SHALL BE INSPECTED AND ALL OBSERVED LEAKS CORRECTED. 3. FINAL INSPECTION - BEFORE FINAL INSPECTION, CERTIFY IN WRITING THAT ALL SYSTEMS ARE INSTALLED, ADJUSTED, TESTED AND READY FOR USE.

FULLY SPRINKLERED
BID DOCUMENTS
FOR CONSTRUCTION

ISSUED FOR BID	9-7-2017
Revisions	Date

VA WESTERN NEW YORK HEALTHCARE SYSTEM
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MANAGER	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

Drawing Title	PLUMBING ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES
MEDICAL CENTER DIRECTOR	DATE
ASSOCIATE MEDICAL CENTER DIRECTOR	DATE

Project Title	BUFFALO GU AHU
Building Number	1
Location	V.A.M.C. BUFFALO, NEW YORK

Date	09-07-2017
Station No.	528
17-s06-P-001	

