

PLUMBING SYMBOLS

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ABBREVIATIONS, ETC. ARE NECESSARILY USED ON THE DRAWINGS.

ANNOTATION	PIPING
① PLUMBING PLAN NOTE CALLOUT	— DW — DOMESTIC COLD WATER (CW)
① PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES	— SCW — SOFTENED COLD WATER (SCW)
① EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED)	— HW — DOMESTIC HOT WATER (HW)
① MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)	— HWR — DOMESTIC HOT WATER RECIRC. (HWR)
① CONNECTION POINT OF NEW WORK TO EXISTING	— 140" — 140" DOMESTIC HOT WATER (140")
① DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER	— T — TRAP PRIMER LINE (T)
① SECTION CUT DESIGNATION	— S — SOIL PIPING - ABOVE FLOOR (S)
	— SB — SOIL PIPING - BELOW FLOOR (SB)
	— W — WASTE PIPING - ABOVE FLOOR (W)
	— WB — WASTE PIPING - BELOW FLOOR (WB)
	— GW — GREASE WASTE - ABOVE FLOOR (GW)
	— GB — GREASE WASTE - BELOW FLOOR (GB)
	— ST — STORM DRAIN - ABOVE FLOOR (ST)
	— SBT — STORM DRAIN - BELOW FLOOR (SBT)
	— OST — OVERFLOW STORM DRAIN - ABOVE FLOOR (OST)
	— AW — ACID WASTE - ABOVE FLOOR (AW)
	— ABW — ACID WASTE - BELOW FLOOR (ABW)
	— AV — ACID VENT (AV)
	— V — VENT PIPING (V)
	— VBG — VENT BELOW GRADE (VBG)
	— VBF — VENT BELOW FLOOR (VBF)
	— ID — INDIRECT DRAIN (ID)
	— CDH — CONDENSATE DRAIN - HIGH EFFICIENCY RTU (CDH)
	— CD — CONDENSATE DRAIN (CD)
	— ACD — AUXILIARY CONDENSATE DRAIN (ACD)
	— SPD — SUMP OR SEWAGE PUMP DISCHARGE (SPD)
	— CA — COMPRESSED AIR (CA)
	— G — NATURAL GAS (G)
	— NG — NATURAL GAS ON ROOF (G)
	— AI — MEDICAL AIR INTAKE (AI)
	— MA — MEDICAL AIR (MA)
	— MV — MEDICAL VACUUM (MV)
	— VE — MEDICAL VACUUM EXHAUST (VE)
	— EV — EVACUATION (EV)
	— CO — CARBON DIOXIDE (CO)
	— N — NITROGEN (N)
	— O — OXYGEN (O)
	— NO — NITROUS OXIDE (NO)
	— NPW — NON POTABLE WATER (NPW)
	— LPG — LIQUIFIED PETROLEUM GAS (LPG)
	— WS — WATER SERVICE (WS)
	— FP — FIRE PROTECTION (FP)
	— PD — CONDENSATE PUMP DISCHARGE (PD)
	— — — — — EXISTING PIPING TO BE REMOVED
	— — — — — EXISTING PIPING TO REMAIN
	— — — — — SQUARE FLOOR DRAIN (FS), SIZE & TYPE
	— — — — — ROUND FLOOR DRAIN (FD), SIZE & TYPE
	— — — — — ROOF DRAIN (RD), SIZE & TYPE
	— — — — — OXYGEN OUTLET
	— — — — — NITROUS OXIDE OUTLET
	— — — — — MEDICAL AIR OUTLET
	— — — — — NITROGEN OUTLET
	— — — — — MEDICAL VACUUM INLET
	— — — — — BALL VALVE
	— — — — — CONTROL VALVE
	— — — — — THREE-WAY CONTROL VALVE
	— — — — — SHUTOFF VALVE
	— — — — — CHECK VALVE
	— — — — — BALANCING VALVE WITH PRESSURE PORTS
	— — — — — TRIPLE DUTY VALVE WITH PRESSURE PORTS
	— — — — — WATER METER
	— — — — — STRAINER
	— — — — — STRAINER WITH BLOWOFF
	— — — — — RELIEF/SAFETY VALVE
	— — — — — SOLENOID VALVE
	— — — — — PRESSURE REDUCING VALVE
	— — — — — GAS PRESSURE REGULATOR
	— — — — — THERMOSTATIC MIXING VALVE
	— — — — — PIPE ANCHOR
	— — — — — EXPANSION JOINT
	— — — — — BACKFLOW PREVENTER
	— — — — — PRESSURE GAUGE
	— — — — — THERMOMETER
	— — — — — UNION
	— — — — — FLANGE CONNECTION
	— — — — — HOSE BIBB (HB)
	— — — — — NONFREEZE WALL HYDRANT (NW)
	— — — — — MANUAL / AUTOMATIC AIR VENT OR VACUUM RELIEF VALVE
	— — — — — CLEANOUT
	— — — — — CAP
	— — — — — WALL CLEANOUT (WCO)
	— — — — — FLOOR CLEANOUT (FCO)
	— — — — — EXTERIOR CLEANOUT (ECO)
	— — — — — ELBOW UP
	— — — — — ELBOW DOWN
	— — — — — TEE UP
	— — — — — TEE DOWN
	— — — — — ELBOW UP WITH SHUT-OFF VALVE (SOV)
	— — — — — ELBOW DOWN WITH SHUT-OFF VALVE (SOV)
	— — — — — TEE UP WITH SHUT-OFF VALVE (SOV)
	— — — — — TEE DOWN WITH SHUT-OFF VALVE (SOV)
	— — — — — WATER HAMMER ARRESTER (WHA) WITH PDI SIZES, (A, B, C, D, & E)
	— — — — — RECIRCULATION PUMP
	— — — — — P-TRAP
	— — — — — GAS COCK
	— — — — — TRAP PRIMER
	— — — — — TRAP PRIMER WITH DISTRIBUTION UNIT

STANDARD MOUNTING HEIGHTS

PLUMBING (AFF, AFG, UNLESS NOTED OTHERWISE)
REFER TO THE ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHTS. UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHTS ARE TO FINISH FLOOR UNLESS INDICATED OTHERWISE.

ADA ACCESSIBLE DRINKING FOUNTAIN	17" FLOOR TO RIM
ADA ACCESSIBLE LAVATORIES	34" FLOOR TO RIM
ADA ACCESSIBLE SHOWER VALVES	38" MINIMUM TO 48" MAXIMUM FLOOR TO CENTERLINE
ADA ACCESSIBLE TUB VALVES	CENTER BETWEEN GRAB BAR AND TUB RIM
ADA ACCESSIBLE URINALS	17" FLOOR TO RIM
ADA ACCESSIBLE WATER CLOSET	17" TO 19" FLOOR TO TOP OF SEAT
ADA ACCESSIBLE WATER COOLER	35" FLOOR TO RIM
ADULT STANDARD DRINKING FOUNTAIN	40" FLOOR TO RIM
ADULT STANDARD WATER COOLER	30" FLOOR TO RIM
CHILD STANDARD DRINKING FOUNTAIN	30" FLOOR TO RIM
CHILD STANDARD WATER COOLER	14" FLOOR TO RIM
CHILD URINAL	14" FLOOR TO RIM
CLINIC SERVICE SINKS	30" FLOOR TO RIM
JANITOR'S SINK FAUCET FITTINGS	42" FLOOR TO CENTERLINE
HOSE BIBS	36" AFF TO CENTERLINE
ICE MAKER OUTLET BOXES	24" FLOOR TO CENTER OF BOX
LAVATORY OR SINK	31" FLOOR TO RIM
NON FREEZE HYDRANT	18" AFG TO CENTERLINE
SHOWER HEADS	6"-0" MEN & 5"-6" WOMEN FLOOR TO CENTERLINE
SHOWER VALVES	48" MEN & 42" WOMEN FLOOR TO CENTERLINE
STANDARD URINALS	22" FLOOR TO RIM
SURGEON'S SCRUB-UP SINKS	35" FLOOR TO FRONT RIM
TUB VALVES	32" FLOOR TO CENTERLINE
WASHING MACHINE OUTLET BOXES	42" FLOOR TO RIM
WATER CLOSET	15" FLOOR TO RIM

ABBREVIATIONS

AFB ABOVE FINISHED FLOOR	MIN MINIMUM
AFG ABOVE FINISHED GRADE	N/C NORMALLY CLOSED
AHU AIR HANDLING UNIT	N/O NORMALLY OPEN
BFB BELOW FINISHED FLOOR	ORD OVERFLOW ROOF DRAIN
BFG BELOW FINISHED GRADE	PDI PLUMBING DRAINAGE INSTITUTE
BOP BOTTOM OF PIPE	PVC POLYVINYL CHLORIDE
BOS BOTTOM OF STRUCTURE	PRV PRESSURE REDUCING VALVE
BTU BRITISH THERMAL UNIT	RD ROOF DRAIN
CBV CHLORINATED POLYVINYL CHLORIDE	RPM REVOLUTIONS PER MINUTE
DN DOWN	RTU ROOFTOP UNIT
DS DOWNSPOUT	SF SQUARE FEET, SUPPLY FAN
ETR EXISTING TO REMAIN	SP SUMP PUMP
EW ELECTRIC WATER COOLER	SS STAINLESS STEEL, SANITARY
FD FLOOR DRAIN	SS STAINLESS STEEL, SANITARY
FFA FROM FLOOR ABOVE	TDH TOTAL DYNAMIC HEAD
FFB FROM FLOOR BELOW	TFA TO FLOOR ABOVE
FF FINISHED FLOOR	TFB TO FLOOR BELOW
FL FLOW LINE	TYP TYPICAL
FLA FULL LOAD AMPS	UL UNDERWRITERS LABORATORIES, INC.
FLR FLOOR	UNO UNLESS NOTED OTHERWISE
GPV GALLONS PER MINUTE	UPS UNINTERRUPTIBLE POWER SUPPLY
HD HEAD, HUB DRAIN	V VOLT(S)
IE INVERT ELEVATION	VCP VITRIFIED CLAY PIPE
IN WC INCHES OF WATER COLUMN	VS VENT STACK
JB JUNCTION BOX	VTR VENT THROUGH ROOF
J-BOX JUNCTION BOX	W/W WITH
KW KILOWATT	W/O WITHOUT
MAU MAKE-UP AIR UNIT	WC WATER COLUMN
MAX MAXIMUM	WS WASTE STACK
MBH 1000 BTU PER HOUR	
MH MANHOLE	

FIXTURE BRANCH CONNECTION SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WATER CLOSET (TANK)	1/2"	—	4"	2"
LAVATORY/ HAND SINK	1/2"	1/2"	2"	1-1/2"
DRINKING FOUNTAIN	1/2"	—	2"	1-1/2"
JANITOR'S SINK	1/2"	1/2"	3"	1-1/2"
FLOOR DRAIN	—	—	2"	2"

NOTE: PIPE SIZES SHOWN ARE MINIMUM.

PLUMBING PIPE MATERIAL SCHEDULE

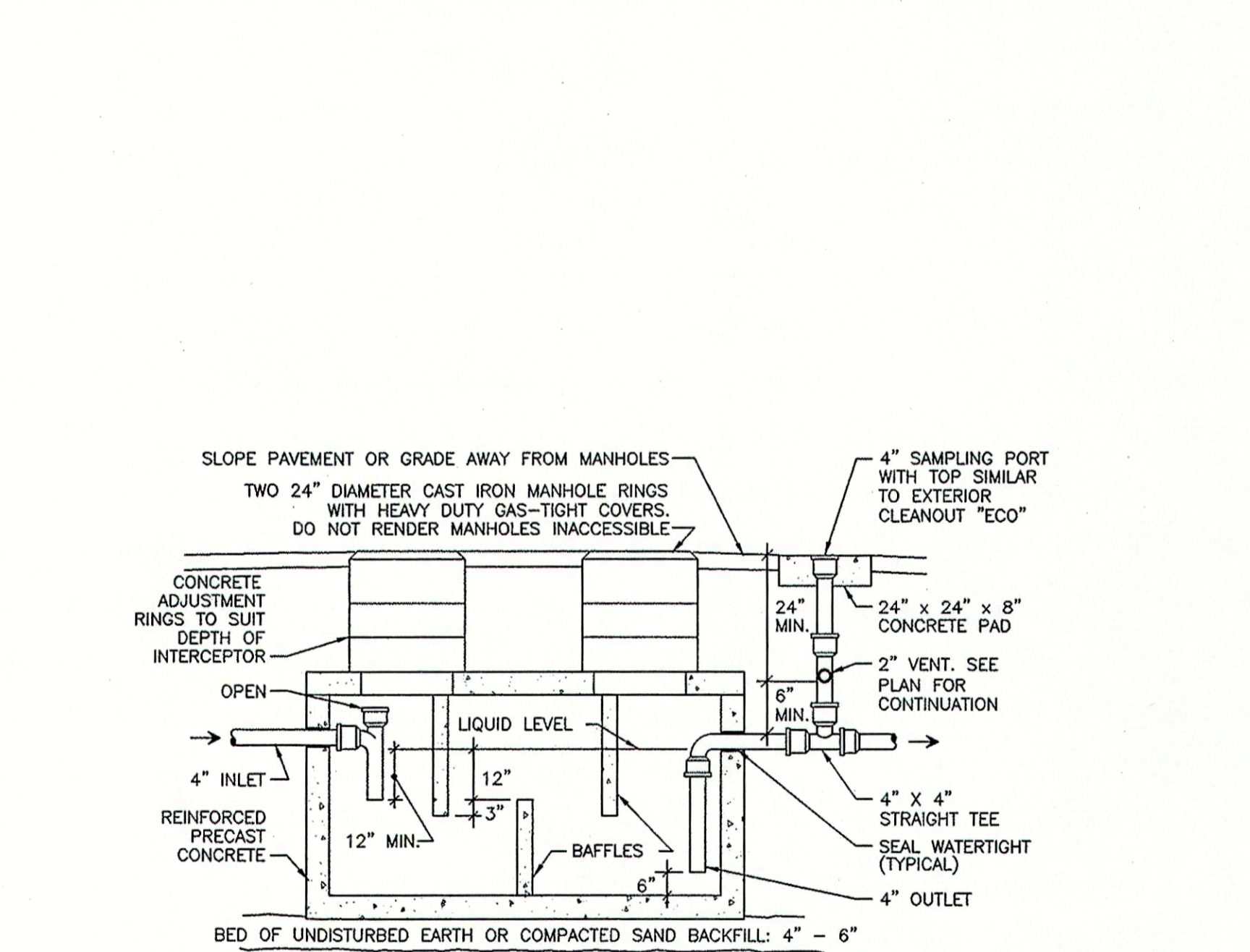
PIPING SYSTEM	ABBREVIATION	PIPING MATERIAL
SANITARY DRAINAGE & VENT (ABOVE GRADE)	S, W OR V	HUBLESS CAST IRON
SANITARY DRAINAGE & VENT (BELOW GRADE)	S, W OR V	SERVICE WEIGHT CAST IRON (PVC DWV OPTIONAL)
POTABLE WATER (ABOVE GRADE)	CW, HW OR HWR	TYPE L HARD DRAWN COPPER
POTABLE WATER - 3" & LARGER (BELOW GRADE)	CW, HW OR HWR	DUCTILE IRON
NATURAL GAS (ABOVE GRADE & ON ROOF)	G	SCHEDULE 40 BLACK STEEL
FIRE PROTECTION - 3" & LARGER (BELOW GRADE)	FP	DUCTILE IRON
FIRE PROTECTION (ABOVE GRADE)	FP	SCHEDULE 10 OR 40 BLACK STEEL

REFER TO SPECIFICATIONS FOR FITTINGS, INSTALLATION REQUIREMENTS AND FURTHER INFORMATION

TOTAL CONNECTED NATURAL GAS LOAD

TENANT	EQUIPMENT DESIGNATION	QUANTITY	DESCRIPTION	CFH (EACH)	TENANT SUBTOTAL	TOTAL CFH	TOTAL DEVELOPED LENGTH IN FEET
B	RTU-3	1	ROOF TOP UNIT	80	80	80	100
C	RTU-4	1	ROOF TOP UNIT	80	80	80	100
D	RTU-5	1	ROOF TOP UNIT	80	80	80	100
TOTAL PER METER GROUP B-D						240	
E	RTU-6	1	ROOF TOP UNIT	80	80	80	175
F	RTU-7, 8	2	ROOF TOP UNIT	80	160	160	175
G	RTU-9	1	ROOF TOP UNIT	80	80	80	175
H	RTU-10, 11	2	ROOF TOP UNIT	80	160	160	150
TOTAL PER METER GROUP E-H						480	
J	RTU-12	2	ROOF TOP UNIT	150, 120	270	270	175
K	RTU-14	2	ROOF TOP UNIT	150	300	300	150
L	RTU-16	1	ROOF TOP UNIT	200	200	200	175
M	RTU-17	1	ROOF TOP UNIT	150	150	150	175
TOTAL PER TENANT G-J						920	
TOTAL BUILDING CONNECTED LOAD =						1640	

SYSTEM OPERATION PRESSURE IS 7" - 10" WATER COLUMN SIZED WITH MAXIMUM PRESSURE LOSS OF 0.5" WATER COLUMN.



PIPING ARRANGEMENT SHOWN IN SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. SUBMIT PROPOSED GREASE INTERCEPTOR INSTALLATION PLANS AND SPECIFICATIONS TO LOCAL AUTHORITIES FOR THEIR APPROVAL BEFORE ACQUISITION OF INTERCEPTOR. PROVIDE CAPACITY AS REQUIRED BY LOCAL AUTHORITIES.

1 PRECAST CONCRETE GREASE INTERCEPTOR NOT TO SCALE

PLUMBING FIXTURE SCHEDULE:

FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE FIXTURES REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOUNTING HEIGHTS.

DCV DOUBLE CHECK VALVE BACKFLOW PREVENTER; WATTS # 0070T-FDA-5, EPOXY COATED CAST BRONZE BODY, QUARTER TURN TEST COCKS, EPOXY COATED QUARTER TURN BALL VALVES, AND EPOXY COATED STRAINER. STRAINER TO BE INSTALLED IN THE HORIZONTAL, 24" AFF. BACKFLOW PREVENTER TO BE INSTALLED IN THE VERTICAL, TIGHT TO FACE OF WALL.

DWM WATER METER; AMCO # C700 1", BRONZE MAINCASE AND MEASURING CHAMBER, BRONZE BOTTOM PLATE, STAINLESS STEEL TRIM AND BOLTS, THERMOPLASTIC STRAINER, OSCILLATING PISTON MEASURING ELEMENT, STRAIGHT READING HERMETICALLY SEALED REGISTER, REGISTRATION IN US GALLONS, MAGNETIC DRIVE, AND COMPLIANCE WITH ANSI / AWWA C700. PROVIDE WITH REMOTE READING SYSTEM IF / AS REQUIRED.

ET EXPANSION TANK; AMTROL "THERM-X-TROL" # ST-5, WELDED STEEL PRESSURE TANK, POLYPROPYLENE LINING, FLEXIBLE BUTYL DIAPHRAGM, AIR CHARGING VALVE, 150 PSI MAXIMUM WORKING PRESSURE, 2.0 GALLON CAPACITY, 0.45 MAXIMUM ACCEPTANCE FACTOR, 3/4" PIPE CONNECTION. SET THE AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.

ET-2 EXPANSION TANK; AMTROL "THERM-X-TROL" # ST-12, WELDED STEEL PRESSURE TANK, POLYPROPYLENE LINING, FLEXIBLE BUTYL DIAPHRAGM, AIR CHARGING VALVE, 150 PSI MAXIMUM WORKING PRESSURE, 4.5 GALLON CAPACITY, 0.73 MAXIMUM ACCEPTANCE FACTOR, 3/4" PIPE CONNECTION. SET THE AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.

FCO FLOOR CLEANOUT; JAY R. SMITH, CAST IRON BODY, FLASHING FLANGE WITH CLAMPING COLLAR, ABS PLUG, AND ADJUSTABLE, ROUND, SECURED, NICKEL BRONZE, TOP. # 4031L (-F-C), SCORATED TOP FOR EXPOSED, FLUSH WITH FINISHED FLOOR. APPLICATION(S), # 4031L (-F-C-Y), STAINLESS STEEL MARKER FOR INSTALLATION. CARPETED FLOOR AREA(S), # 4151 (-F-C), 1/8" RECESS FOR INSTALLATION IN TILED FLOOR AREA(S), # 4191 (-F-C), 1/2" RECESS FOR INSTALLATION IN TERRAZZO AND SIMILAR POURED FLOOR AREA(S).

FD-1 FLOOR DRAIN; JAY R. SMITH # 2005L (-A), CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.

GI GREASE INTERCEPTOR; REINFORCED PRECAST CONCRETE, 2000 GALLON CAPACITY, 6" DEEP LIQUID LEVEL, TWO 24" DIAMETER MANHOLE RINGS, HEAVY DUTY GAS-TIGHT COVERS, AND CONCRETE ADJUSTMENT RINGS.

HB HOSE BIBB; CHICAGO FAUCET # 988-R07, ROUGH CHROME PLATED BRASS, 3/4" FEMALE INLET, 3/4" THREADED HOSE CONNECTION, # 293-6 LOOSE KEY HANDLE, AND INTEGRAL VACUUM BREAKER.

JS JANITOR'S SINK; STERN-WILLIAMS # MTB-2424, 24" x 24" x 10" HIGH TERRAZZO BASIN WITH INTEGRAL STAINLESS STEEL DRAIN BODY. FAUCET; CHICAGO FAUCET # 897-GP FAUCET WITH WALL BRACE, INTEGRAL VACUUM BREAKER, PAL HOOK, AND 3/4" MALE HOSE THREADED OUTLET. SECURE FAUCET IN WALL WITH BACKBOARD. TRIM; # SB-850 TYPE 304, 20 GAUGE, STAINLESS STEEL WALL SURROUNDINGS, # T-35 THREE FOOT LONG REINFORCED HOSE WITH 3/4" CHROME COPING, AND WALL HOOK, # 4-70 EXTRUDED VINYL BUMPER GUARD, AND # T-40 24" STAINLESS STEEL MOP HANGER.

TP TRAP PRIMER; PRECISION PLUMBING PRODUCTS # PR-500 "PRIME RITE" CORROSION RESISTANT BRASS BODY, 10" RING SEALS, 1/2" INLET AND OUTLET, AND INTEGRAL VACUUM BREAKER. INSTALL THE VALVE AT A MINIMUM OF 12" ABOVE FINISHED FLOOR. PROVIDE WITH DISTRIBUTION # DU-2 FOR TWO, # DU-3 FOR THREE, OR # DU-4 FOR FOUR DRAIN CONNECTIONS.

WC FLOOR-MOUNTED WATER CLOSET (ADA ACCESSIBLE); AMERICAN STANDARD "COLETT" TANK TYPE WHITE VITREOUS CHINA FIXTURE WITH ELONGATED BOWL, 1.6 GALLON PER FLUSH, SIPHON JET ACTION AND SPEED CONNECT TANK/BOWL COUPLING SYSTEM. INSTALL SIDE MOUNTED CHROME TRIP LEVER ON THE WIDE SIDE OF THE STALL. BOWL; #3417.164 LEFT HAND TRIP LEVER TANK; #4112.016 RIGHT HAND TRIP LEVER TANK; #4112.800. REFERENCE DRAWINGS FOR EXACT NUMBER OF RIGHT AND LEFT HAND TRIP LEVER TANKS REQUIRED. TRIM; CHURCH # 9500SS00 WHITE OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY DUTY, SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES AND STAINLESS STEEL BOLTS, McGUIRE # 2168CC ANGLE STOP VALVE WITH RISER AND CHROME-PLATED ESCUTCHEON.

WCO WALL CLEANOUT; JAY R. SMITH # 4530S, CAST IRON CLEANOUT TEE, COUNTER SUNK PLUG, STAINLESS STEEL ROUND COVER AND SCREW, AND IRON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION.

WH-1 WATER HEATER; EEMAX # SP4208, INSTANTANEOUS, NI CHROME REPLACEABLE CARTRIDGE TYPE HEATING ELEMENT, 4.1 KW INPUT, GLASS REINFORCED BODY, WHITE ABS COVER, 3/8" COMPRESSION INLET AND OUTLET, 0.5 GPM FLOW RESTRICTOR, AND 0.5 GALLONS PER MINUTE AT A 41 DEGREE TEMPERATURE RISE. ELECTRICAL REQUIREMENTS: 208 VOLT SINGLE PHASE, 19.7 FULL LOAD AMPS.

WH-2 WATER HEATER; STATE #PCE-6-10MSA, 6 GALLON GLASS LINED STORAGE TANK, ONE 1.5KW DIRECT-IMMERSION HEATING ELEMENT, SURFACE-MOUNTED THERMOSTATS, ANODE ROD, T & P VALVE, AND 18 GALLONS PER HOUR RECOVERY AT A 90 DEGREE TEMPERATURE RISE. SET WATER HEATER OPERATING TEMPERATURE TO 120°F. ELECTRICAL REQUIREMENTS: 120 VOLT, 12.5 FULL LOAD AMPS.

WH-3 WATER HEATER; A.O. SMITH # DEN-80, 80 GALLON GLASS LINED STANDARD STORAGE TANK, TWO 500 WATT DIRECT IMMERSION HEATING ELEMENTS FOR SIMULTANEOUS OPERATION, SURFACE-MOUNTED THERMOSTATS, ANODE ROD, T & P VALVE, AND 41 GALLONS PER HOUR RECOVERY AT A 100 DEGREE TEMPERATURE RISE. SET WATER HEATER OPERATING TEMPERATURE TO 100°F. ELECTRICAL REQUIREMENTS: 208 VOLT THREE PHASE UNBALANCED CIRCUIT, L2 = 41.6 FULL LOAD AMPS, L1 & L3 = 24.0 FULL LOAD AMPS.

WH-4 WATER HEATER; STATE #PCE-10-10MSA, 10 GALLON GLASS LINED STORAGE TANK, ONE 2KW DIRECT-IMMERSION HEATING ELEMENT, SURFACE-MOUNTED THERMOSTATS, ANODE ROD, T & P VALVE, AND 28 GALLONS PER HOUR RECOVERY AT A 90 DEGREE TEMPERATURE RISE. SET WATER HEATER OPERATING TEMPERATURE TO 120°F. ELECTRICAL REQUIREMENTS: 120 VOLT, 16.6 FULL LOAD AMPS.

WHA WATER HAMMER ARRESTER; PRECISION PLUMBING PRODUCTS, HARD DRAWN COPPER BODY WITH WROUGHT COPPER FITTINGS, PISTON TYPE WITH LUBRICATED EPDM "O" RING SEALS, ASSE 1010 CERTIFICATION. PROVIDE PDI SIZES "A" THROUGH "F" AS SHOWN ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON THE PLANS.

WMB WASHING MACHINE BOX; SIOUX CHIEF OX BOX MODEL # 696-2313MF ABS BOX AND FRAME, SEPARATE SUPPLY AND WASTE BOXES, 1/2" TOP INLET WATER SUPPLIES WITH WATER HAMMER ARRESTERS, AND 2" BOTTOM OUTLET DRAIN. TRIM: 12" LONG TAIL PIECE AND 2" DIAMETER P-TRAP.

WMB-2 WASHING MACHINE BOX; SIOUX CHIEF OX BOX MODEL # 696-2313MF ABS BOX AND FRAME, SEPARATE SUPPLY AND WASTE BOXES, 3/4" TOP INLET WATER SUPPLIES WITH WATER HAMMER ARRESTERS, AND 2" BOTTOM OUTLET DRAIN. TRIM: 24" LONG TAIL PIECE AND 2" DIAMETER P-TRAP.

WML WALL-MOUNTED LAVATORY (ADA ACCESSIBLE); AMERICAN STANDARD # 0355.012 "LUCERNE" 20-1/2" x 18-1/4" RECTANGULAR WALL MOUNTED WHITE VITREOUS CHINA FIXTURE WITH FAUCET LEDGE AND FRONT OVERFLOW. FAUCET; CHICAGO FAUCET # 802-VCP 4" CENTERSET, VANDAL RESISTANT, FAUCET WITH # 390 LEVER HANDLES AND # E12 2.2 GPM AERATOR. TRIM; McGUIRE # 155A GRID DRAIN WITH TAILPIECE, McGUIRE # 2168CC LOCKING KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # 8872CF 1-1/4" 17 GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR, AND TRUERO "HANDI LAV-GUARD" # 102 INSULATION KIT FOR WATER AND WASTE PIPES.

PLUMBING GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- FURNISH A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS PREPARED BY THE ENGINEER-OF-RECORD AFTER FINAL INSPECTION OF INSTALLED PLUMBING SYSTEMS.
- FURNISH TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- INSTALLATION SHALL COMPLY WITH LEGALLY CONSTITUTED CODES AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- VERIFY LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PROJECT.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
- VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
- PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.
- COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
- PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT ROUTE PIPING OVER ELECTRICAL PANELS.
- PAINT ALL EXPOSED GAS AND WATER PIPING USING RUST INHIBITOR PAINT. PAINT AND COLOR SHALL BE COORDINATED WITH THE ARCHITECT AND / OR OWNER.
- COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10" MINIMUM CLEARANCE FROM ALL AIR INTAKES AND ROOF EDGES. MAINTAIN A 2" CLEARANCE FROM ALL OTHER ROOF TOP EQUIPMENT.
- INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZING. WATER HAMMER ARRESTERS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.

REV	BY	DATE	DESCRIPTION