

PLUMBING FIXTURE SCHEDULE:

FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. 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.

- (AGF) AIR GAP FITTING (DISHWASHER): SIOUX CHIEF HEAVY DUTY MODEL # 249 WITH SOLID CHROME-PLATED BRASS CAP, MOLDED POLYPROPYLENE BODY, AND NON-SPLITTING DESIGN.
- (AP) ACCESS PANEL: J.R. SMITH # 4760-24"x36"-CL PRIME COATED STEEL DOOR AND FRAME WITH CONCEALED HINGE, KEY-OPERATED CYLINDER LOCK. PROVIDE WITH NAILER SLOTS FOR INSTALLATION IN STUD WALLS AND ANCHOR STRAPS FOR INSTALLATION IN MASONRY CONSTRUCTION - VERIFY CONDITIONS.
- (BFP) BACKFLOW PREVENTER: WATTS # 98D DUAL CHECK VALVE WITH INTERMEDIATE VENT, 1/4" OR 3/8" AS SUITABLE, AND WYE PATTERN STRAINER UPSTREAM. INSTALL ON LEVERAGE DISPENSER ONLY IF REQUIRED BY LOCAL AUTHORITIES. LOCATE ABOVE COUNTERTOP, OR PROVIDE TUBE ON INTERMEDIATE VENT TO DISCHARGE IN HARMLESS LOCATION.
- (DCV) DOUBLE CHECK VALVE: WATTS # 0070T-S, CAST BRONZE BODY, QUARTER TURN TEST COCKS, QUARTER TURN BALL VALVES, AND STRAINER.
- (DSN) DOWNSPOUT NOZZLE: JAY R. SMITH # 1770T, CAST BRONZE BODY AND FLANGE. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.
- (ECO) EXTERIOR CLEANOUT: J.R. SMITH # 4281I SERIES DUCO CAST IRON DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORATED CAST IRON COVER WITH LIFTING DEVICE AND CLEANOUT BODY WITH ABS PLASTIC PLUG WITH GASKET SEAL AND PUSH-ON JOINT. REFER TO SPECIFICATIONS AND DETAIL FOR INSTALLATION.
- (EW22) DRINKING FOUNTAIN (ADA): ELKAY # EDPBM117C WALL-MOUNTED, BARRIER FREE, TWO-LEVEL WHEELCHAIR ACCESS, STAINLESS STEEL ROUND BOWL AND WALL PLATE. TRIM: MCGUIRE # 2165CC COMPRESSION ANGLE STOP VALVE WITH RISER AND ESCUTCHEON, MCGUIRE # 8872CF 17 GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARMS WITH CLEANOUT PLUGS AND ESCUTCHEONS.
- (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, TWO GALLON TOTAL CAPACITY, 3/4" PIPE CONNECTION, FDA APPROVAL FOR DOMESTIC WATER SERVICE. SET AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.
- (FD-F) FLOOR DRAIN - FUNNEL: J.R. SMITH # 2005L-A-9704-NB, CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 2" DIAM NICKEL BRONZE STRAINER, 4" TALL OVAL NICKEL BRONZE FUNNEL SCREWED TO STRAINER. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.
- (GD) GARBAGE DISPOSER: GENERAL ELECTRIC # GF0525F (NO SUBSTITUTES) WITH CONTINUOUS FEED, CORROSION PROTECTION SHIELD, SOUND SHIELD, STAINLESS STEEL GRINDING ELEMENTS, DIRECT WIRE POWER CONNECTION, DISHWASHER DRAIN CONNECTOR, MANUAL RESET OVERLOAD PROTECTOR, WALL SWITCH, SINK STOPPER, SPLASH GUARD. ELECTRICAL REQUIREMENT: 1/2 HORSEPOWER, 120 VOLT MOTOR.
- (IMB) ICE MAKER BOX: GUY ORAY # BMB75 OR EQUIVALENT 20 GAUGE STEEL BOX WITH 1/8 GAUGE STEEL FACEPLATE. BOTTOM INLET WATER SUPPLY WITH 1/2"x1/4" COMPRESSION ANGLE STOP VALVE. PROVIDE FOUR FEET OF 1/4" TYPE "K" SOFT COPPER TUBING AND CONNECT TO ICE MAKER IN REFRIGERATOR.
- (L-1) LAVATORY: KOHLER "PINOIR" # K-2035-1 WALL MOUNT 22"x18" WITH SHROUD, VITREOUS CHINA MATERIAL, COLOR AS SELECTED BY ARCHITECT, SINGLE HOLE PUNCH FOR FAUCET. FAUCET: TOTO "ECOPOWER" # TEL5656-10 SINGLE HOLE SELF-POWERED INFRARED SENSOR FAUCET, 1.0 GPM FLOW, TEN SECOND DURATION, WITH SPOUT AND SEPARATE WATERPROOF ANTI-SCALD THERMAL MIXING CHAMBER TO BE MOUNTED UNDER LAVATORY. TRIM: MCGUIRE # 155A PERFORATED GRID DRAIN WITH TAILPIECE; MCGUIRE # 2165 WHEEL-HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS; JAY R. SMITH # 8200, 1-1/2" CHROME-PLATED CAST BRONZE P-TRAP, GROUND JOINT OUTLET, THREADED WALL TUBE, SLIP JOINT NUTS, WASHERS, ESCUTCHEONS, AND 1/2" CONDENSATE CONNECTION, AND TUBULAR BRASS WASTE ARM WITH CAST-BRASS ESCUTCHEON WITH SET SCREW. ALL CHROME-PLATED. INSTALLATION SHALL MEET ADA REQUIREMENTS. PROVIDE TRUEBRO "HANDI LAV-GUARD" INSULATION KIT FOR WATER BUT NOT WASTE PIPES, COLOR AS SELECTED BY ARCHITECT.
- (MS-1) MOP SINK: FLORESTONE # 85 "NEO ANGLE" 24"x24" TERRAZZO BASIN WITH FLANGE ON TWO SIDES, ANGLED CORNER, INTEGRAL STAINLESS STEEL DRAIN BODY. TRIM: KOHLER # K-8907 "KINLOCK" WALL MOUNTED POLISHED CHROME-PLATED BRASS FAUCET WITH INTEGRAL CHECKS, WALL BRACE, INTEGRAL VACUUM BREAKER, PAIL HOOK, AND 3/4" MALE HOSE THREADED OUTLET; THREE FOOT LONG REINFORCED HOSE WITH 3/4" CHROME COUPLING AND WALL HOOK; EXTRUDED VINYL BUMPER GUARD.
- (NW) NON-FREEZE WALL HYDRANT: J.R. SMITH # 55090T-WC BRONZE NICKEL PLATED HYDRANT, INTEGRAL VACUUM BREAKER, QUARTER-TURN T-HANDLE KEY, 3/4" THREADED HOSE CONNECTION, ADJUSTABLE WALL CLAMP, AND STAINLESS STEEL BOX.
- (RC) REMOTE CHILLER: ELKAY # ER10 WITH STAINLESS STEEL WATERWAYS, GALVANIZED STEEL CABINET AND HERMETICALLY SEALED COMPRESSOR, 9.6 GPM AT STANDARD RATING CONDITIONS AND TWO STATIONS. MOUNT ON PLATFORM SUSPENDED FROM ROOF STRUCTURE ABOVE CEILING ABOVE DRINKING FOUNTAIN. CONNECT 1/2" CW FROM REMOTE CHILLER TO DRINKING FOUNTAIN PER MANUFACTURER'S DIRECTIONS. ELECTRICAL REQUIREMENTS: 208 VOLT SINGLE PHASE, 6.0 FULL LOAD AMPS, 1/4HP.
- (RD) ROOF DRAIN: JAY R. SMITH # 1010Y (-EOX-C-R-CID), 15" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, HUBLESS OUTLET, FIXED EXTENSION - HEIGHT AS REQUIRED BY INSTALLED INSULATION THICKNESS, AND CAST IRON DOME BOLTED OR LOCKED DOWN. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.
- (ORD) OVERFLOW ROOF DRAIN: JAY R. SMITH # 1080Y (-EOX-C-R-CID), 15" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, HUBLESS OUTLET, FIXED EXTENSION - HEIGHT AS REQUIRED BY INSTALLED INSULATION THICKNESS, CAST IRON DOME BOLTED OR LOCKED DOWN AND 2" HIGH WATER DAM. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.
- (S-1) SINK-BAR: ELKAY "CELEBRITY" # BLR1560, SINGLE COMPARTMENT, 12"x9"x6" DEEP BOWL, SELF-RIMMING 18 GAUGE TYPE 302 STAINLESS STEEL CONSTRUCTION, SOUND-DEADENED, FAUCET LEDGE WITH THREE HOLES. SET IN BED OF SILICONE SEALANT. TRIM: KOHLER "CORALAIS" # K-15275-4 WASHERLESS CERAMIC DISK MIXING VALVE, GOOSENECK FAUCET, 2.2 GPM AERATOR, LEVER HANDLES, CENTERSET DESIGN, AND POLISHED CHROME FINISH. TRIM: MCGUIRE # 153 BAR SINK STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE; MCGUIRE # 8912-C-17 17 GAUGE TUBULAR CHROME-PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON; MCGUIRE # 2165 WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS.

- (S-3) SINK-BREAKROOM (ADA COMPLIANT): ELKAY "LUSTERTONE" # LRAD-250, TWO COMPARTMENT, 33"x22" OVERALL WITH 6" DEEP BOWLS, SELF-RIMMING 18 GAUGE TYPE 302 STAINLESS STEEL CONSTRUCTION, SOUND-DEADENED, FAUCET LEDGE WITH THREE HOLES. SET IN BED OF SILICONE SEALANT. TRIM: KOHLER "CORALAIS" # K-15160-G FAUCET, BRUSHED CHROME FINISH, PULL-OUT SPOUT WITH SPRAY, SINGLE LEVER MIXING VALVE. PROVIDE GARBAGE DISPOSER IN ONE COMPARTMENT AND IN OTHER COMPARTMENT PROVIDE MCGUIRE # 1151AWC CUP STRAINER WITH OFFSET 1-1/2" 17 GAUGE TAILPIECE; MCGUIRE # 8912-C-F 17 GAUGE TUBULAR CHROME-PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON; MCGUIRE # 2165 WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS. PROVIDE TRUEBRO "HANDI-LAV GUARD" INSULATION KIT ON WATER AND WASTE PIPES. INSTALLATION SHALL MEET ADA AND TAS REQUIREMENTS.
- (TP) TRAP PRIMER: AUTOMATIC DEVICE BY SIOUX CHIEF ("PRIME PERFECT" # 695-01), MIFAB (# M3-500), OR PRECISION PLUMBING PRODUCTS (# PR-500), WITH DISTRIBUTION BOX FOR MULTIPLE FIXTURES. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND DETAIL ON DRAWINGS. PROVIDE ONLY IF AND WHERE REQUIRED BY LOCAL AUTHORITIES.
- (WC-2) WATER CLOSET: (ADA COMPLIANT) GERBER DF-21-318 DUAL FLUSH ADA 1.6 GPF/1.1 GPF ELONGATED TWO PIECE TOILET, ULTRA DUAL FLUSHING SYSTEM, TRIP LEVER ON THE RIGHT SIDE OF THE TANK, 2" TRAPWAY. PROVIDE CHURCH #8500SC ELONGATED OPEN FRONT SEAT LESS LID. MCGUIRE # 2166CC WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND CHROME-PLATED ESCUTCHEONS.
- (WCO) WALL CLEANOUT: J.R. SMITH # 4530S OR EQUIVALENT CAST IRON CLEANOUT TEE, COUNTERSUNK BRONZE PLUG WITH GASKET SEAL, STAINLESS STEEL ROUND COVER AND SCREW. MOUNT ABOVE FLOOD RIM OF HIGHEST FIXTURE IN THE SYSTEM.
- (WHA) WATER HAMMER ARRESTER: COPPER TUBE WITH PISTON AND O-RING OR STAINLESS STEEL BELLOWS CONSTRUCTION, HAVING PDI AND ASSE 1010 CERTIFICATION. PROVIDE PDI SIZES AS REQUIRED BY PDI STANDARDS AND SHOWN ON DRAWINGS. PRECISION PLUMBING PRODUCTS, SIOUX CHIEF, WATTS. SIZE SHALL BE "A" UNLESS NOTED OTHERWISE.
- (WF) WATER FILTER: AQUAPURE # AP200. PROVIDE COMPLETE WITH TWO REPLACEMENT CARTRIDGES. CONNECT DISCHARGE TO BREAKROOM SINK, COFFEE MACHINE, AND ICE MAKER IN REFRIGERATOR.
- (WH-1) WATER HEATER ELECTRIC: LOCHINVAR # JR020K OR EQUIVALENT WITH MINIMUM 19 GALLONS STORAGE AND MINIMUM SINGLE 4.5 KW INPUT, 208 VOLT 1 PHASE ELECTRIC POWERED VERTICAL STORAGE TANK TYPE RESIDENTIAL WATER HEATER WITH GLASS-LINED STEEL TANK CONSTRUCTION, FOAM INSULATED TANK WITH ENAMELED STEEL JACKET, ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE, 23 GALLONS PER HOUR RECOVERY AT 80° TEMPERATURE RISE. SET OUTLET TEMPERATURE AT 120°F. INSTALL PER DETAIL ON DRAWINGS. ELECTRICAL REQUIREMENT: 208 VOLT 1 PHASE, 21.6 FULL LOAD AMPS.

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.
- PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- 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.
- NO PLUMBING PIPE SHALL BE INSTALLED IN THE CEILING RETURN AIR PLENUM.
- 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.
- PROVIDE CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR MOP SINK FAUCETS DOWNSTREAM OF SHUTOFF VALVES.
- COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10" MINIMUM CLEARANCE FROM AIR INTAKES. MAINTAIN 2" CLEARANCE FROM OTHER EQUIPMENT.
- INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZING.
- WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.

PLUMBING PIPE MATERIAL SCHEDULE

PIPING SYSTEM	ABBREVIATION	PIPING MATERIAL
SANITARY, WASTE, STORM, VENT (ABOVE GRADE)	S, W, ST, V	HUBLESS CAST IRON
SANITARY, WASTE, STORM, VENT (BELOW GRADE)	S, W, ST, V	PVC DWV
POTABLE WATER (ABOVE GRADE)	CW, HW, HWR	TYPE L HARD DRAWN COPPER
POTABLE WATER - 2" & SMALLER (BELOW GRADE)	CW, HW	TYPE K SOFT ANNEALED COPPER
CONDENSATE/INDIRECT DRAIN - 1" & SMALLER	CD, ACD, ID	TYPE M HARD DRAWN COPPER
CONDENSATE/INDIRECT DRAIN - 1-1/4" & LARGER	CD, ACD, ID	TYPE DWV HARD DRAWN COPPER
TRAP PRIMER DISCHARGE	T	TYPE K SOFT ANNEALED COPPER

REFER TO SPECIFICATIONS FOR FITTINGS, INSTALLATION REQUIREMENTS AND FURTHER INFORMATION

FIXTURE BRANCH CONNECTION SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WATER CLOSET (FT)	1/2"	--	4"	2"
LAVATORY	1/2"	1/2"	2"	1-1/2"
JANITOR'S SINK	1/2"	1/2"	3"	2"
FLOOR DRAIN	--	--	2"	2"
BREAKROOM SINK	1/2"	1/2"	2"	2"

NOTE:
PIPE SIZES SHOWN ARE MINIMUM.

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	--- 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)	--- DOMESTIC HOT WATER (HW)
(1) MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)	--- 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)
(M) SECTION CUT DESIGNATION	--- S SOIL PIPING - ABOVE FLOOR (S)
	--- S SOIL PIPING - BELOW FLOOR (S)
	--- W WASTE PIPING - ABOVE FLOOR (W)
	--- W WASTE PIPING - BELOW FLOOR (W)
	--- GW GREASE WASTE - ABOVE FLOOR (GW)
	--- GW GREASE WASTE - BELOW FLOOR (GW)
	--- ST STORM DRAIN - ABOVE FLOOR (ST)
	--- ST STORM DRAIN - BELOW FLOOR (ST)
	--- OST OVERFLOW STORM DRAIN - ABOVE FLOOR (OST)
	--- 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)
	--- G NATURAL GAS (G)
	--- G NATURAL GAS ON ROOF (G)
	--- MPG MEDIUM PRESSURE NATURAL GAS (MPG)
	--- MPG MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)
	--- NFW NON POTABLE WATER (NFW)
	--- 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
	--- BALL VALVE
	--- CONTROL VALVE
	--- SHUTOFF VALVE
	--- CHECK VALVE
	--- BALANCING VALVE WITH PRESSURE PORTS
	--- WATER METER
	--- STRAINER
	--- STRAINER WITH BLOWOFF
	--- RELIEF/SAFETY VALVE
	--- SOLENOID VALVE
	--- PRESSURE REDUCING VALVE
	--- GAS PRESSURE REGULATOR
	--- THERMOSTATIC MIXING VALVE
	--- PA PIPE ANCHOR
	--- EJ 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)
	--- "A" 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

ABBREVIATIONS	ABBREVIATIONS
AFB ABOVE FINISHED FLOOR	MH MANHOLE
AFG ABOVE FINISHED GRADE	MIN MINIMUM
AHU AIR HANDLING UNIT	N/C NORMALLY CLOSED
BFB BELOW FINISHED FLOOR	N/O NORMALLY OPEN
BFG BELOW FINISHED GRADE	ORD OVERFLOW ROOF DRAIN
BOP BOTTOM OF PIPE	PDI PLUMBING DRAINAGE INSTITUTE
BOS BOTTOM OF STRUCTURE	PVC POLYVINYL CHLORIDE
BTU BRITISH THERMAL UNIT	PRV PRESSURE REDUCING VALVE
CPVC CHLORINATED POLYVINYL CHLORIDE	RD ROOF DRAIN
DN DOWN	RPM REVOLUTIONS PER MINUTE
DFU DRAINAGE FIXTURE UNIT	RTU ROOFTOP UNIT
DS DOWNSPOUT	SF SQUARE FEET, SUPPLY FAN
ETR EXISTING TO REMAIN	SP SUMP PUMP
EWG ELECTRIC WATER COOLER	SS STAINLESS STEEL, SANITARY SEWER, SOIL STACK
FD FLOOR DRAIN	TDH TOTAL DYNAMIC HEAD
FFA FROM FLOOR ABOVE	TFA TO FLOOR ABOVE
FFB FROM FLOOR BELOW	TFB TO FLOOR BELOW
FF FINISHED FLOOR	TP TYPICAL
FL FLOOR LINE	UL UNDERWRITERS LABORATORIES,
FLA FULL LOAD AMPS	INC.
FLR FLOOR	UNO UNLESS NOTED OTHERWISE
GPM 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	VR VENT THROUGH ROOF
J-BOX JUNCTION BOX	V/ WITH
KW KILOWATT	V/O WITHOUT
MAU MAKE-UP AIR UNIT	WC WATER COLUMN
MAX MAXIMUM	WS WASTE STACK
MBH 1000 BTU PER HOUR	WSFU WATER SUPPLY FIXTURE UNIT



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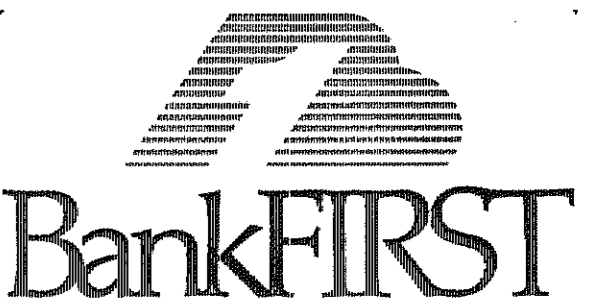
2425 WEST LOOP SOUTH
SUITE 665
HOUSTON TEXAS 77027
FAX 713-552-9810
713-552-0707

WWW.MGARCHITECTS.COM

CONSULTANTS

STRUCTURAL ENGINEER:
SCA Consulting Engineers

M/E/P/ ENGINEER:
Henderson Engineers



Aloma Walk Branch
Aloma Ave.
Oviedo, FL 32765

ISSUE:

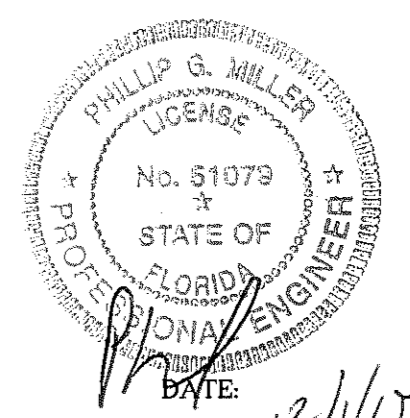
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09-15-09		DEVELOPER REVIEW
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**PLUMBING GENERAL
NOTES & SCHEDULES**

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PHILLIP G. MILLER
PROFESSIONAL ENGINEER
FL PE # 51079

HENDERSON ENGINEERS
10370 RICHMOND AVENUE, SUITE 370
HOUSTON, TX 77042
TEL 713 783 7707 FAX 713 783 7757
www.hel-eng.com
FL CORPORATE NUMBER: EB 7406
EXPIRES 02/28/11