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SBE Project No. 06086

PLUMBING LEGEND

—S—	SANITARY, WASTE - S, W, SAN
	SAFE WASTE SYSTEM.
—ST—	STORM BELOW FLOOR - ST
—ST—	STORM ABOVE FLOOR - ST
	VENT PIPING - V
	COLD WATER PIPING - CW
	HOT WATER PIPING - HW
	HOT WATER CIRCULATING PIPING - HWC
—G—	GAS PIPING - G
	PIPING BELOW FLOOR
—TW—	TEMPERED HOT WATER 110°F
	CLEANOUTS - CO, WCO, FCO, GCO
	GATE VALVE - GV
	BALL VALVE - BV
	PRESSURE REDUCING VALVE - PRV
	BALANCING VALVE
	MECHANICAL OPERATED VALVE
	SOLENOID VALVE
	TRAP PRIMER VALVE WITH DISTRIBUTION UNIT
	THERMOSTATIC MIXING VALVE
	CHECK VALVE
	PDI WATER HAMMER ARRESTOR
	FLOOR SINK - FS, FS-*
	FLOOR DRAIN - FD, FD-*
	AREA DRAIN - AD, AD-*
	ROOF DRAIN - RD, RD-*
	EMERGENCY (SECONDARY) ROOF DRAIN - ERD, ERD-*
AAV	AIR ADMITTANCE VALVE
A/C	ABOVE CEILING
A/F	ABOVE FLOOR
BFP	BACKFLOW PREVENTER
B/F	BELOW FLOOR
B/G	BELOW GRADE
CD	CONDENSATE DRAIN
CO	CLEAN OUT
CW	COLD WATER
DN	DOWN
F.A. F.A. VTR	FRESH AIR INTAKE SYSTEM, FRESH AIR VTR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
GCO	GRADE CLEANOUT
HB	HOSE BIBB
HD	HUB DRAIN
HW	HOT WATER
HWC	HOT WATER CIRCULATING
I.E.	INVERT ELEVATION
NFWH	NONFREEZE WALL HYDRANT
PD	PUMPED DISCHARGE
PRV	PRESSURE REDUCING VALVE
S	SANITARY SEWER
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR
WHE-*	WATER HEATER (ELECTRIC)
WHG-*	WATER HEATER (GAS)
P-*	PLUMBING FIXTURE
S-*	SECURITY PLUMBING FIXTURE
	IN-LINE BACKFLOW PREVENTER
	CONNECT TO EXISTING

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER, MODEL NUMBER	FITTINGS/ACCESSORIES	REMARKS	MINIMUM FIXTURE CONNECTIONS CW	HW	WASTE	VENT
P-1	WATER CLOSET ELONGATED, WALL MTD., FLUSH VALVE	AMERICAN STANDARD 2257.1.013 AFWALL	FLUSH VALVE: SLOAN OPTIMA 111-ES-S SEAT: CHURCH #3500C	1.6 GPF, ELONGATED, CARRIER, PROVIDE WITH TRANSFORMER EL-154 & FLUSHOMETER ELEC. BOX POSITIONING AND SUPPORT KIT EL489-A.	1"	---	4"	2"
P-1A	WATER CLOSET ELONGATED, WALL MTD., FLUSH VALVE, ADA	AMERICAN STANDARD 2257.1.013 AFWALL	FLUSH VALVE: SLOAN OPTIMA 111-ES-S SEAT: CHURCH #3500C	1.6 GPF, ELONGATED, CARRIER, PROVIDE WITH TRANSFORMER EL-154 & FLUSHOMETER ELEC. BOX POSITIONING AND SUPPORT KIT EL489-A.	1"	---	4"	2"
P-1B	WATER CLOSET ELONGATED, WALL MTD., FLUSH VALVE, ADA	AMERICAN STANDARD 2257.1.013 AFWALL	FLUSH VALVE: SLOAN REGAL 111-XL SEAT: CHURCH #3500C	1.6 GPF, ELONGATED, CARRIER, ADA, ADA HANDLE INSTALLED ON WIDE SIDE	1"	---	4"	2"
P-1C	WATER CLOSET ELONGATED, TANK TYPE ADA	AMERICAN STANDARD 2371.1.020 CADET ADA 16-1/2"	SEAT: CHURCH #3500C	1.6 GPF, ELONGATED, PRESSURE ASSIST. FLUSH, ADA, INSTALL HAND TRIP LEVER ON WIDE SIDE	1/2"	---	4"	2"
P-1D	WATER CLOSET ELONGATED, FLOOR MTD., FLUSH VALVE, ADA	AMERICAN STANDARD 2309.100 MADERA ADA 16-1/8"	FLUSH VALVE: SLOAN REGAL 111-XL SEAT: CHURCH #3500C	1.6 GPF, ELONGATED, ADA, ADA HANDLE INSTALLED ON WIDE SIDE	1"	---	4"	2"
P-1E	WATER CLOSET ELONGATED, FLOOR MTD., FLUSH VALVE, ADA	AMERICAN STANDARD 2309.100 MADERA ADA 16-1/8"	FLUSH VALVE: SLOAN OPTIMA 111-ES-S SEAT: CHURCH #3500C	1.6 GPF, ELONGATED, CARRIER, PROVIDE WITH TRANSFORMER EL-154 & FLUSHOMETER ELEC. BOX POSITIONING AND SUPPORT KIT EL489-A	1"	---	4"	2"
P-2A	URINAL WALL HUNG ADA	AMERICAN STANDARD 6541.132 ALLBROOK 1.0	FLUSH VALVE: SLOAN OPTIMA 186-0.5 ES-S1	0.5 GPF, PROVIDE WITH TRANSFORMER EL-154 & FLUSHOMETER ELEC. BOX POSITIONING AND SUPPORT KIT EL-518-A.	3/4"	---	2"	1-1/2"
P-3A	LAVATORY COUNTERTOP ADA	AMERICAN STANDARD 0491.019 RONDALYN	FAUCET: SLOAN ETF-600, PROVIDE WITH BOX MOUNT TRANSFORMER EL-248-40, GRID DRAIN, OFFSET TAILPIECE AND TRUEBRO "LAV-GUARD" #103	19" ROUND COUNTER TOP 4" CENTERS, SENSOR OPERATED FAUCET, ADA	1/2"	1/2"	1-1/4"	1-1/4"
P-3B	LAVATORY WALL HUNG ADA	AMERICAN STANDARD 0355.072 LUCERNE	FAUCET: SLOAN ETF-600, PROVIDE WITH BOX MOUNT TRANSFORMER EL-248-40, GRID DRAIN, OFFSET TAILPIECE AND TRUEBRO "LAV-GUARD" #103	20"x18" WALL HUNG, 4" CENTERS WITH CONCEALED ARM SUPPORT	1/2"	1/2"	1-1/4"	1-1/4"
P-3C	LAVATORY WALL HUNG ADA	AMERICAN STANDARD 0355.072 LUCERNE	FAUCET: DELTA 525, PROVIDE WITH GRID DRAIN, OFFSET TAILPIECE AND TRUEBRO "LAV-GUARD" #103	20"x18" WALL HUNG, 4" CENTERS WITH CONCEALED ARM SUPPORT, ADA	1/2"	1/2"	1-1/4"	1-1/4"
P-4	MOP SINK FLOOR MOUNTED	FIAT MSB-2424	FAUCET: DELTA 28T9	G.C. TO PROVIDE ADDITIONAL BLOCKING IN WALL TO SUPPORT FAUCET BRACKET	1/2"	1/2"	3"	1-1/2"
P-5	WATER FOUNTAIN ADA	HALSEY TAYLOR HDFBLEBMP		HIGH/LOW ADA	1/2"	---	1-1/4"	1-1/4"
P-6	SINK SINGLE COMPARTMENT ADA	JUST SL-ADA-1521-A-GR	FAUCET: CHICAGO FAUCET 1100-GN2AE3-317, BASKET STRAINER WITH OFFSET TAILPIECE & TRUEBRO "LAV-GUARD" #103.	19"x21"x6"D	1/2"	1/2"	1-1/2"	1-1/2"
P-6A	SINK DOUBLE COMPARTMENT ADA	JUST DL-2133-A-GR	FAUCET: CHICAGO FAUCET 1100 BASE WITH SPRAY, GN2AB3KCP GOOSE NECK SPOUT AND 317 WRIST-BLADE HANDLES.	21"x33"x6-1/2"D SINK, BASKET STRAINER WITH OFFSET TAILPIECE & TRUEBRO "LAV-GUARD" #103	1/2"	1/2"	1-1/2"	1-1/2"
P-7	LAUNDRY TUB	FIAT FL-1	FAUCET: FIAT A-1 DECK TYPE FAUCET	23"x20" FREESTANDING MOLDED STONE WITH 4" CENTER, DECK MOUNTED FAUCET	1/2"	1/2"	1-1/2"	1-1/2"
P-8	ICE MAKER BOX	GUY GRAY BIM 815			1/2"	---	---	---
P-9	WASHING MACHINE CONNECTION BOX	GUY GRAY B-200			1/2"	1/2"	2"	1-1/2"
P-10	SHOWER	SYMMONS - TEMPTROL SHOWER SYSTEM MODEL C-96-1-150-X	J.R. SMITH MODEL 2005-05 SHOWER DRAIN.		1/2"	1/2"	2"	1-1/2"
P-10A	SHOWER ADA	SYMMONS - TEMPTROL SHOWER SYSTEM MODEL C-96-500-B30-V-X	J.R. SMITH MODEL 2005-05 SHOWER DRAIN.	INSTALL SHOWER SYSTEM TO MEET ADA REQUIREMENTS	1/2"	1/2"	2"	1-1/2"
P-11	SCRUB SINK	AMERICAN STANDARD 9241.044	CHICAGO FAUCET 1100-GN2AE3-317, GRID DRAIN 7116.01, PAINTED BRACKET SUPPORT 485T42-600 (2 REQ'D)		1/2"	1/2"	2"	1-1/2"
NFWH	NON FREEZE WALL HYDRANT	WOODFORD B65 SERIES	FLUSH MOUNT, RECESSED BOX, SELF DRAINING WITH VACUUM BREAKER, LOCKABLE		3/4"	---	---	---
NFHB	NON FREEZE HOSE BIBB	WOODFORD B22-BR	FLUSH MOUNT, RECESSED BOX, HOT & COLD, SELF DRAINING WITH VACUUM BREAKER, LOCKABLE		3/4"	3/4"	---	---
HB	HOSE BIBB INTERIOR	WOODFORD MODEL B79	SELF DRAINING WITH VACUUM BREAKER		1/2"	---	---	---
HR	HOSE REEL	T&S BRASS B-1433	PROVIDE WITH FAUCET AND VACUUM BREAKER. MODEL		3/4"	3/4"	---	---
ESH	EMERGENCY SHOWER/EYE WASH	ALL SAFETY SAS4116	DRENCH SHOWER AND EYE/FACE WASH STATION SPILL WASTE ON GRADE.	PROVIDE TEPID WATER TO MEET ANSI Z358.1	---	1-1/4"	---	---
HD	HUB DRAIN		OPEN HUB A.F.F.		---	---	---	---
FD-1	FLOOR DRAIN	J.R. SMITH 2005	FINISHED AREAS, PROVIDE WITH TRAP PRIMER CONNECTION AND PRIMER VALVE		---	---	---	---
FD-2	FLOOR DRAIN	J.R. SMITH 2350	KITCHEN AREAS, 8-1/2" FLAT STRAINER, "SAFE-SET" SEDIMENT BUCKET, PROVIDE WITH PROSET TRAP GUARD TG33	NICKEL BRONZE FINISH	---	---	---	---
FD-3	FLOOR DRAIN	J.R. SMITH 2240	UNFINISHED AREAS, MECHANICAL ROOMS, LAUNDRY ROOMS, ETC, WITH SEDIMENT BUCKET AND TRAP PRIMER		---	---	---	---
FD-4	FLOOR DRAIN	J.R. SMITH 2010	6" TOP WITH, VANDAL PROOF GRATE (TORX PIN INSERT SCREW) AND TRAP PRIMER		---	---	---	---
FD-5	FLOOR DRAIN	J.R. SMITH 2526G	CELLS & HOLDING AREAS. PROVIDE WITH FLUSHING RIM AND CUSTOM GRATE (SEE DETAIL ON P.4.1)		3/4"	---	---	---
FD-6	FLOOR DRAIN	J.R. SMITH 2005	FINISHED AREAS, PROVIDE WITH TRAP PRIMER CONNECTION AND PRIMER VALVE. PROVIDE WITH FUNNEL		---	---	---	---
FS-1	FLOOR SINK	J.R. SMITH 3161-12	CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR WITH SEDIMENT BUCKET AND 1/2 GRATE	NICKEL BRONZE RIM	---	---	---	---
TMV-1	MIXING VALVE	LEONARD MODEL TM-20	PROVIDE WITH IN-LINE CHECK VALVES	SET TEMPERATURE TO 110°F	1/2"	1/2"	---	---
TMV-2	MIXING VALVE	LEONARD MODEL TM-600	PROVIDE WITH IN-LINE CHECK VALVES AND OUTLET PIPING WITH DIAL THERMOMETER	SET TEMPERATURE TO 85°F	3/4"	3/4"	---	---
TMV-3	MIXING VALVE	LEONARD MODEL MODEL 210	PROVIDE WITH IN-LINE CHECK VALVES	SET TEMPERATURE TO 110°F, INSTALL UNDER ALL LAVATORIES AND HAND SINKS.	1/2"	1/2"	---	---
TMV-4	MIXING VALVE	LEONARD MODEL MODEL TM-28	PROVIDE WITH IN-LINE CHECK VALVES	SET TEMPERATURE TO 120°F, INSTALL AT WHG-1	1/2"	1/2"	---	---
TMV-5	MIXING VALVE	LEONARD MODEL MODEL TM-420A-DT	PROVIDE WITH IN-LINE CHECK VALVES, MIXED OUTLET SHUTOFF, DIAL THERMOMETER	SET TEMPERATURE TO 110°F	3/4"	3/4"	---	---
TMV-6	MIXING VALVE	LEONARD MODEL MODEL TM-1520A-DT	PROVIDE WITH IN-LINE CHECK VALVES, MIXED OUTLET SHUTOFF, DIAL THERMOMETER	SET TEMPERATURE TO 115°F, INSTALL AT WHG-6,7,8 & 9,10,11	3/4"	3/4"	---	---
RCIP-1	HOT WATER RECIRC. PUMP	BELL & GOSSETT NRF-22	BRONZE IN-LINE CIRCULATOR PUMP, PROVIDE WITH STRAINER, CHECK VALVE AND GATE VALVES.	PROVIDE W/AQUASTAT	---	3/4"	---	---
	SOLENOID VALVE	LEONARD MODELS 141.10, 151.10,	SOLENOID VALVE, NORMALLY CLOSED	COORDINATE INSTALLATION OF SOLENOID VALVE WITH OWNER.	--	SEE PLAN	---	---
KS-1	KITCHEN WALL MOUNTED HAND SINK	ADVANCE TABCO 7-PS-50	SPLASH MOUNTED FAUCET & LEVER OPERATED DRAIN W/OVERFLOW, P-TRAP & WALL BRACKET		1/2"	1/2"	1-1/2"	1-1/4"

GAS WATER HEATER SCHEDULE

MARK	MANUFACTURER/MODEL	STORAGE, GALLONS	RECOVERY GPH @ 100°F	INPUT, MBH	FLUE, IN. DIAMETER	INLET/OUTLET	GAS CONN.	ELECTRICAL VOLTS, PHASE	REMARKS
WHG-1	A.O. SMITH BTH120	60	142	125	3"	1-1/2"	3/4"	120V, 1	SEE PLANS AND DETAILS
WHG-2-12	A.O. SMITH BTH199	100	227	199	4"	1-1/2"	3/4"	120V, 1	SEE PLANS AND DETAILS

ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFACTURER/MODEL	STORAGE, GALLONS	RECOVERY GPH @ 100°F	INPUT, kW	INLET/OUTLET	ELECTRICAL VOLTS, PHASE	REMARKS
WHE-1 & 2	A.O. SMITH DEL-10	10	10	2.5	3/4"	208V,1	PROVIDE WITH HOUSE KEEPING PAD

SECURITY PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER, MODEL NUMBER	FITTINGS/ACCESSORIES	REMARKS	MINIMUM FIXTURE CONNECTIONS CW	HW	WASTE	VENT
S-1	COMBINATION UNIT LAVATORY/TOILET	WILLOUGHBY 1546 SERIES	FLUSH VALVE: SLOAN HYDRAULIC REGAL PRISON MODEL FLUSHOMETER, MODEL 960.3. PROVIDE WITH WILLOUGHBY T4 TOILET OVERFLOW PREVENTER AND DUAL TEMPERATURE PNEUMATIC VALVE. PROVIDE WITH PINNED CLEAN-OUT.	COORDINATE ORIENTATION LEFT, RIGHT, OR CENTERED ORIENTATION WITH ARCHITECTURAL PLANS. PROVIDE DUAL TEMPERATURE MANIFOLD FOR UP TO 4 LAVATORIES.	1"	---	3"	1-1/2"
					1/2"	1/2"	1-1/2"	1-1/4"
S-1A ADA	COMBINATION UNIT LAVATORY/TOILET	WILLOUGHBY 3696 SERIES	FLUSH VALVE: SLOAN HYDRAULIC REGAL PRISON MODEL FLUSHOMETER, MODEL 960.3. PROVIDE WITH WILLOUGHBY T4 TOILET OVERFLOW PREVENTER AND DUAL TEMPERATURE PNEUMATIC VALVE. PROVIDE WITH PINNED CLEAN-OUT.	COORDINATE ORIENTATION LEFT OR RIGHT ORIENTATION WITH ARCHITECTURAL PLANS. PROVIDE DUAL TEMPERATURE MANIFOLD FOR UP TO 4 LAVATORIES.	1"	---	3"	1-1/2"
					1/2"	1/2"	1-1/2"	1-1/4"
S-1B ADA	COMBINATION UNIT LAVATORY/TOILET	WILLOUGHBY 1545 SERIES	FLUSH VALVE: SLOAN HYDRAULIC REGAL PRISON MODEL FLUSHOMETER, MODEL 960.3. PROVIDE WITH WILLOUGHBY T4 TOILET OVERFLOW PREVENTER AND DUAL TEMPERATURE PNEUMATIC VALVE. PTOVIDE WITH PINNED CLEAN-OUT.	COORDINATE ORIENTATION LEFT OR RIGHT ORIENTATION WITH ARCHITECTURAL PLANS. PROVIDE DUAL TEMPERATURE MANIFOLD FOR UP TO 4 LAVATORIES.	1"	---	3"	1-1/2"
					1/2"	1/2"	1-1/2"	1-1/4"
S-5	DRINKING FOUNTAIN ADA	WILLOUGHBY DF-1015-36-HC		INSTALL TRAPS INSIDE CHASE (SEE PLANS) TO FREEZE PROTECT.	1/2"	---	1-1/2"	1-1/4"
S-10	REAR MOUNTED BUILT-IN SHOWER	WILLOUGHBY WR3 SERIES	PROVIDE WITH SINGLE TEMPERATURE PNEUMATIC VALVE METERING PMI. ANTI-SUICIDE SHOWER HEAD AND PUSHBUTTON J.R. SMITH 2016 VANDAL PROOF SHOWER DRAIN.		---	1/2"	2"	1-1/2"
S-10A ADA	REAR MOUNTED BUILT-IN SHOWER ADA	WILLOUGHBY WR3 SERIES	SHOWER PANEL WITH (2) FIXED SHOWER HEADS. PROVIDE WITH SINGLE TEMPERATURE PNEUMATIC VALVE METERING PMI. ANTI-SUICIDE SHOWER HEAD AND PUSHBUTTON J.R. SMITH 2016 VANDAL PROOF SHOWER DRAIN.		---	1/2"	2"	1-1/2"
ADA SHOWER DRAIN	STEEL CELL BUILT-IN SHOWER ADA	J.R. SMITH 2016	CELLS & HOLDING AREAS VANDAL PROOF GRATE.	PROVIDE IN ALL PREFAB STEEL CELLS THAT HAVE ADA SHOWER INSTALLED	---	---	2"	1-1/2"

DOMESTIC WATER BOOSTER SYSTEM

PUMP NO.	SYSTEM GPM	SYSTEM MAXIMUM DISCHARGE PRESSURE	SYSTEM MINIMUM DISCHARGE PRESSURE	SYSTEM MAXIMUM SUCTION PRESSURE	SYSTEM MINIMUM SUCTION PRESSURE	LEAD PUMP HP	TDH	GPM	ELEC	LAG PUMP HP	TDH	GPM	ELEC	STORAGE TANK
BP-1	334	75 PSI	48 PSI	54 PSI	42 PSI	7.5	78 FT.	220	460V 3PH	7.5	78 FT.	220	460V 3PH	1700 GALLONS

PUMP STATION NOTES:
1. SECURE THE PUMP FRAME AND STORAGE TANK TO THE SLAB USING HILTI KBII EXPANSION BOLTS.
2. ALL 3" PIPING SHALL BE STAINLESS STEEL, SCHEDULE 40.
3. PROVIDE GATE VALVES AT ALL DRAIN LINES FULL SIZE OF DRAIN CONNECTION.
4. PROVIDE ALL NECESSARY DRAINS AND SAFETI±

ONS.

GAS PRESSURE REGULATOR SPECIFICATIONS

MANUFACTURER MODEL	CFH CAPACITY	INLET PRESSURE	OUTLET PRESSURE	SPRING COLOR-RANGE-ORIFICE
ACTARIS B-42R 3/4"x3/4"	UP TO 600	2 P.S.I.G.	7 Inches W.C.	DRK. GREEN-6 to 16 Inches W.C.-1/2"
ACTARIS B-31R 1-1/4"x1-1/4"	UP TO 1120	2 P.S.I.G.	7 Inches W.C.	LT.GREEN-5.5 to 8.0 Inches W.C.-1/2"
ACTARIS B-348R 2"x2"	UP TO 2300	2 P.S.I.G.	7 Inches W.C.	BLACK-6 to 9 Inches W.C.-7/8"x1"
ACTARIS B-34R 2"x2"	UP TO 4700	2 P.S.I.G.	7 Inches W.C.	BLACK-6.5 to 13 Inches W.C.-7/8"x1"

NOTES:

1. REGULATORS ARE FULL CAPACITY INTERNAL RELIEF TYPE. REGULATORS SHALL BE INSTALLED WITH RELIEF VENT IN POSITION TO PREVENT ENTRANCE OF WATER (PROVIDE SCREENED VENT ELBOW AS REQUIRED). VENT OPENING TO BE LOCATED 12" MIN. ABOVE ROOF LEVEL.

2. TAG REGULATOR WITH INLET AND OUTLET SETTINGS, AFFIX WARNING 'DO-NOT REMOVE'.

PLUMBING GENERAL NOTES

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO, ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
2. ANY CONFLICTS OF WORK SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION BY THE PLUMBING CONTRACTOR PRIOR TO PURCHASE OF EQUIPMENT OR COMMENCEMENT OF WORK.
3. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC. TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCT WORK, LIGHTS, CONDUIT, STRUCTURAL MEMBERS, ETC. ALL INVERTS SHALL BE VERIFIED IMMEDIATELY FOLLOWING AWARD OF CONTRACT. ALL INVERTS SHALL BE COORDINATED WITH STRUCTURAL FOOTINGS. SEE NOTE 9.
4. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. COORDINATE THE EXACT SIZE AND LOCATION OF ALL SLEEVES WITH STRUCTURAL ENGINEER. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
5. PROVIDE ACCESS PANELS FOR SHOCK ABSORBERS, TRAP PRIMERS AND ALL VALVES LOCATED ABOVE NON-ACCESSIBLE CEILINGS AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
6. ALL DRAINAGE PIPING AND POTABLE WATER PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS AS HIGH AS POSSIBLE.
7. ALL SANITARY WASTE PIPING SHALL SLOPE AT 1/8 INCH PER FOOT UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL MAKE FINAL CONNECTION TO ALL DOMESTIC WATER, SANITARY SEWERS, STORM DRAINS AND GAS SERVICES AT APPROXIMATELY 5'-0" FROM BUILDING STRUCTURE UNLESS OTHERWISE NOTED.
9. COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS, COLUMN FOUNDATIONS AND OTHER STRUCTURAL CONDITIONS. SEE STRUCTURAL PLANS FOR DETAILS REGARDING ANY PIPING PARALLEL TO, THROUGH OR UNDER FOOTINGS AND PIERS
10. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL PLUMBING FIXTURES MUST BE VERIFIED IN FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
11. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTION TO ALL EQUIPMENT INDICATED ON DRAWINGS. FINAL CONNECTION SHALL INCLUDE ANY ADAPTERS, NIPPLES SHUTOFF VALVES, PRESSURE REGULATING VALVES, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, ETC.
12. DO NOT RUN PLUMBING PIPING THROUGH TRANSFORMER VAULTS, ELECTRICAL CLOSETS, ELECTRICAL SWITCHGEAR ROOMS, ELEVATOR EQUIPMENT ROOMS, COMPUTER ROOMS OR TELEPHONE ROOMS.
13. PROVIDE BASE CLEANOUT AT LOWEST FLOOR LEVEL OF ALL SANITARY STACKS, WASTE STACKS AND STORM WATER CONDUCTORS. EXACT LOCATION OF ALL CLEANOUTS MUST BE COORDINATED AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
14. PROVIDE A BACKFLOW PREVENTION DEVICE AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT, IRRIGATION, VENDING MACHINES, ETC. AS REQUIRED BY CODE AND LOCAL AUTHORITIES. CONTRACTOR IS TO VERIFY WITH THE LOCAL AUTHORITY THE TYPE OF BACKFLOW PREVENTION DEVICE REQUIRED FOR ALL APPLICATIONS PRIOR TO INSTALLATION.
15. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS.
16. ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCKOUTS, ETC.) ARE TO BE LOCATED AND COORDINATED IN THE FIELD BY THE CONTRACTOR IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
17. COORDINATE ALL FLOOR SINK GRATE ORIENTATIONS AND REQUIRED OPEN SPACES (1/4 GRATE, 12" INCH GRATE, ETC.) WITH KITCHEN EQUIPMENT CONTRACTOR.
18. PROVIDE AN EXPANSION JOINT OR FABRICATED EXPANSION LOOP ON ALL PIPING SYSTEMS THAT CROSS BUILDING EXPANSION JOINTS.
19. THE USE OF RISER CLAMPS TO SUPPORT VERTICAL PIPE ALONG WALLS, OR COLUMNS IS PROHIBITED. PROVIDE B-LINE 22 STRUT & B-2000 PIPE CLAMPS ON 8'-0" CENTERS & SUPPORT ALL PIPE RISES AT BASE OF RISER.
20. CARRIERS FOR THE WATER CLOSETS SHALL BE PROVIDED WITH THE NECESSARY ACCESSORIES TO ACCOMMODATE DIFFERENT WALL THICKNESSES. SEE ARCHITECTURAL DRAWINGS.
21. PLUMBING CONTRACTOR SHALL VERIFY VOLTAGE, PHASE AND WIRE SIZE OF PLUMBING EQUIPMENT REQUIRING ELECTRICAL CONNECTION WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASE OF EQUIPMENT
22. SANITARY VENTS MUST TERMINATE A MINIMUM OF 10 FT. FROM AIR INTAKES, WINDOWS OR VENT SHAFTS.
23. INDIRECT WASTE RECEPTORS MUST BE LOCATED WHERE READILY ACCESSIBLE FOR INSPECTION AND CLEANING.
24. ALL DIRECT CONNECT APPLIANCES SHALL BE INDIVIDUALLY PROTECTED AGAINST BACKFLOW. "CARBONATOR" TYPE SODA DISPENSERS ARE CONSIDERED TO BE "HIGH HAZARD" APPLIANCES AND SHALL BE PROTECTED BY REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTERS. ALL OTHER APPLIANCES SUCH AS ICE MACHINES, COFFEE MAKERS, YOGURT DISPENSERS, AND SIMILAR EQUIPMENT WITH DIRECT CONNECTIONS TO POTABLE WATER SHALL BE PROTECTED BY A DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER.
25. ALL INDIRECT WASTE PIPING SHALL DISCHARGE THROUGH AN AIR GAP OR AIR BREAK INTO A WASTE RECEPTOR. ALL INDIRECT WASTE PIPING THAT EXCEEDS TWO (2) FEET IN DEVELOPED LENGTH MEASURED HORIZONTALLY OR FOUR (4) FEET IN TOTAL DEVELOPED LENGTH, SHALL BE TRAPPED.
26. CONTRACTOR SHALL HANG ALL PIPING FROM THE STRUCTURAL MEMBERS (W-SHAPES, BAR JOISTS). PIPING SHALL NOT BE SUPPORTED FROM THE METAL DECK OR BOTTOM OF DOUBLE-T STEMS.

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PROJECT

JACKSON COUNTY JAIL
555 GENERAL JACKSON DRIVE
JEFFERSON, GEORGIA 30549

PLUMBING GENERAL NOTES AND SCHEDULES

DESIGN	DRAWN	CHECKED
FJL	FJL	CDL

SHEET TITLE

DATE	NO	DESCRIPTION
10/31/07		D.E.C. / PLUMBING BID PACKAGE RELEASE
02/22/08	1	RFI#048 - HOT WATER TO CELLS
02/29/08	2	M.P.E. COORDINATION

RELEASE

10-31-07	DATE
A06156	PROJ. NUMBER
06086X01	CAD FILE NAME
-	FILE NUMBER

P-0.1