PLUMBING NOTES

1. COORDINATE ALL PIPING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION. ROUTE ALL PIPING TO AVOID DUCTWORK, ELECTRICAL RACEWAYS, AND BUILDING STRUCTURE. IF PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE REQUIRED FOR PLUMBING INSTALLATIONS, NOTIFY ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO INSTALLATION TO INSURE THAT STRUCTURAL INTEGRITY IS MAINTAINED.
2. THIS CONTRACTOR SHALL BASE HIS PROPOSAL UPON THE EQUIPMENT AS SCHEDULED OR SPECIFIED, USING THE MANUFACTURERS AND MODEL NUMBERS AS CALLED FOR IN THE SPECIFICATIONS AND SCHEDULED ON THE DRAWINGS.
3. THE CONTRACTOR IS EXPECTED TO ORDER ALL MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBMISSION OF SUBSTITUTE MATERIALS.
4. SLEEVE AND FIRE STOP ALL PENETRATIONS OF RATED WALLS, CEILINGS, FLOORS, ETC. IN ACCORDANCE WITH APPLICABLE UL STANDARDS AND LOCAL CODES TO MAINTAIN RATINGS. SEE SPECIFICATION. SEE ARCHITECTURAL DRAWINGS FOR RATED WALLS AND FLOORS.
5. PIPE ROUTING SHOWN IS SCHEMATIC AND IS INTENDED TO INDICATE GENERAL ROUTING. PLUMBING CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN FIELD. THIS SHALL RESULT IN NO ADDITIONAL COST TO THE OWNER.
6. ALL PLUMBING INSTALLATION AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND APPLICABLE STANDARDS, REGULATIONS, AND AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
7. PROVIDE ACCESS PANELS TO ALL VALVES AND OTHER DEVICES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
8. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY-FABRICATED. INSTALL ARRESTORS AND SIZE AS INDICATED ON RISER DIAGRAMS AND AS PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I.
9. SITE CONNECTIONS SHALL BE PROVIDED ON CIVIL SITE UTILITIES DRAWINGS. CIVIL CONTRACTOR SHALL MAKE ALL FINAL PLUMBING SERVICE CONNECTIONS TO SITE WORK UTILITIES AS SHOWN ON THESE DRAWINGS.
10. DRAINAGE PIPING SHALL SLOPE NO LESS THAN 1/8" FALL PER FOOT UNLESS UNDERWISE NOTED. SEE SPECIFICATION.
11. FURNISH AND INSTALL HOSE BIBBS AND HYDRANTS 24" ABOVE FINISHED GRADE/FLOOR AT LOCATIONS INDICATED ON PLANS.
12. ALL VENTS THROUGH ROOF SHALL BE LOCATED AWAY FROM AIR INTAKES AS REQUIRED BY CODE.
13. SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATION) TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO THE INSTALLATION OR PURCHASING OF ANY PIPING AND/OR EQUIPMENT. REFER TO SPECIFICATIONS ON THIS REQUIREMENT.
14. ANY PIPING IN UNCONDITIONED SPACES SHALL BE FULLY INSULATED AND PROTECTED FROM FREEZING TEMPERATURES. INSULATION SHALL BE 1" THICK FIBERGLASS.
15. ABSOLUTELY NO UNDERGROUND AND ABOVE GROUND PLASTIC PIPING OF ANY KIND WILL BE PERMITTED TO USE. SEE SPECIFICATIONS.
16. KEEP INSTALLED PIPE CLEAN AND PROTECT ENDS FROM FOREIGN MATTER BY CAPPING OR PLUGGING THEM. INSTALL PIPE SO THAT IT DOES NOT INTERFERE WITH ANY OPENING OR ACCESS TO EQUIPMENT; ANY PORTION OF ELECTRICAL EQUIPMENT. RUN PIPES IN STRAIGHT LINES AND SQUARE WITH BUILDING. INSTALL RISERS VERTICALLY PLUMB.
17. FIELD VERIFY ALL POINTS OF CONNECTIONS TO ALL SITE UTILITY SERVICES.
18. VALVES LOCATIONS: LOCATE SHUT OFF AND CONTROL VALVES FOR EASY ACCESS AND OPERATION. WHERE VALVES ARE LOCATED IN ENCLOSED SPACES, ACCESS DOORS SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR DESCRIBED IN SPECIFICATIONS.
19. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT SIZE AND LOCATION.
20. REFER TO ELECTRICAL DRAWINGS FOR PANEL LOCATIONS TO MAINTAIN CLEARANCES AROUND PANELS AS REQUIRED BY CODE.
21. EQUIPMENT SIZES AND SERVICE SPACE REQUIREMENTS VARY BETWEEN DIFFERENT MANUFACTURERS. CONSULT MANUFACTURER AS SUBMITTED AND APPROVED FOR COMPARABILITY WITH PLUMBING DRAWINGS.
22. CLEANING: BEFORE PIPING IS ACCEPTED BY THE ARCHITECT, CLEAN AND STERILIZE THE PIPING SYSTEMS AS DESCRIBED IN SPECIFICATIONS.

WATER HEATER SCHEDULE

SYSTEM DESIG.	TYPE	MFG.	MODEL NO.	LWT °F	RECOVERY 100° RISE	EWT / LWT °F	TANK SIZE	TWO ELEMENTS NON-SIMULTANEOUS	POWER	SHIPPING WT LBS	LOCATION
EWHT-1	ELECT.	RUUD	ELD66	140	24 GPH	40 / 140	65 GALLONS	6KW/6KW	208V, 3 PH 16.7 A	170	JANITOR ROOM

NOTES:

1. PROVIDE 1 1/2" HIGH, 18 GA. STAINLESS STEEL SAFE PAN WITH 3/4" DRAIN. SEE SUPPORT PLATFORM DETAIL.
2. WHT-1 SHALL BE COMMERCIAL GRADE, ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE.
3. TANK INTERIOR SHALL BE COATED WITH A HIGH TEMPERATURE PORCELAIN ENAMEL AND FURNISHED WITH AN R-TECH RESISTORED MAGNESIUM ANODE ROD RIGIDLY SUPPORTED. TANK SHALL HAVE A WORKING PRESSURE RATING OF 150 PSI. 2 1/2" RIGID POLYURETHANE FOAM INSULATION. A SURFACE MOUNTED THERMOSTAT AUTOMATICALLY CYCLES ON AND OFF TO MAINTAIN THE WATER TEMPERATURE.

RECIRCULATING PUMP SCHEDULE

ITEM	MANUF.	MODEL	ELECTRICAL	GPM	TDH-FT	HP	REMARKS
CP-1	GRUNDFOS	UP26-96BF	115/1PH	5	30	1/12	HW CIRCULATOR SET FOR 3 GPM FLOW
							PROVIDE WITH 6 FOOT LINE CORD.

NOTES:

1. AQUASTAT - USE HONEYWELL AQUASTAT MODEL L6006A OR EQUAL.

EXPANSION TANK

MARK	MANUF	MODEL NO.	CAPACITY GALLONS	TYPE
XT-1	ELBI	DTS-25	5	ASME BLADDER THERMAL EXPANSION TANK.

THERMOSTATIC MIXING VALVE

MARK	MIN FLOW GPM	MAX.FLOW GPM	MAX. PRESS. DROP	MANUFACTURER - MODEL NUMBER
TMV-1	1	10	10 PSI	LEONARD MODEL TM-28-E-RF THERMOSTATIC MIXING VALVE

PLUMBING ABBREVIATIONS

CW	COLD WATER	M.H.	MANHOLE
H.W.	HOT WATER	E.C.O.	EXTERIOR CLEANOUT
VTR	VENT THRU ROOF	F.H.	FIRE HYDRANT
W	WASTE (INTERIOR)	R.D.	ROOF DRAIN
RWL	RAIN WATER LEADER	F.D.	FLOOR DRAIN
STM	STORM WATER	P.R.V.	PRESSURE REDUCING VALVE
IE	INVERT ELEVATION	R.P.B.P.	REDUCED PRESS. BACKFLOW PREVENTER
CFH	CUBIC FEET PER HOUR	A.F.F.	ABOVE FINISHED FLOOR
A/S	AUTOMATIC SPRINKLER	A.F.G.	ABOVE FINISHED GRADE
FSP	FIRE STANDPIPE	A.P.	ACCESS PANEL
CTB	CONCRETE THRUST BLOCK	W.C.O.	WALL CLEANOUT
FF	FINISHED FLOOR	S.S.	SANITARY SEWER
BLDG.	BUILDING	C.O.	CLEANOUT
CL	CENTER LINE	P.R.S.	PRESSURE REDUCING STATION
CV	CHECK VALVE	G.P.M.	GALLONS PER MINUTE
CONT.	CONTINUATION	H.B.	HOSE BIBB
COND.	CONDENSATE	W.H.	WALL HYDRANT
CLG	CEILING	I.W.	INDIRECT WASTE
CW	COLD WATER	M.H.	MANHOLE
DN.	DOWN	R.D.	ROOF DRAIN
DR.	DRAIN	RED.	REDUCER
DET.	DETAIL	RED.	REDUCER
DIAG.	DIAGRAM	MO	MOTOR OIL
DIAM.	DIAMETER	AF	ANTI FREEZE
DOM.	DOMESTIC	CG	CHASSIS GREASE
DWG.	DRAWING	SAN.	SANITARY
EA.	EACH	SCH.	SCHEDULE
FL.	FLOOR	SECT.	SECTION
FT.	FOOT	SHT.	SHEET
F.U.	FIXTURE UNIT	SPECS.	SPECIFICATIONS
G.V.	GATE VALVE	SPKR.	SPRINKLER
GAL.	GALLONS	TEMP.	TEMPERATURE
G.P.H.	GALLONS PER HOUR	TYP.	TYPICAL
F.D.C.	FIRE DEPARTMENT CONNECTION	V.	VENT
B.F.F.	BELOW FINISHED FLOOR	VS.	VENT STACK

PLUMBING LEGEND

CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RETURN
G	GAS
V	VENT
W	WASTE LINE
S	SEWER
A	AIR

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	SIZE, CW	SIZE, HW	WALL WASTE
P-1	WATER CLOSET: WALL HUNG, KOHLER MODEL "KINGSTON" WATER GUARD" K-4330, SIPHON JET, TOP SPUD, 1.6 G.P.F. ELONGATED BOWL, WHITE, VITREOUS CHINA, FLUSH VALVE- SLOAN OPTIMA G2 PLUS 811, BATTERY-POWER CHROME PLATED W/ANGLE STOP AND VACUUM BREAKER & TRAP PRIMER ADAPTER AS REQUIRED. OLSONITE 95 WHITE OPEN FRONT SEAT LESS COVER. PROVIDE FLOOR MOUNTED CARRIER SUPPORTS.	1"	---	4"
P-1A ADA	WATER CLOSET: WALL HUNG, KOHLER MODEL "KINGSTON" WATER GUARD" K-4330, SIPHON JET, TOP SPUD, 1.6 G.P.F. ELONGATED BOWL, WHITE, VITREOUS CHINA, FLUSH VALVE- SLOAN OPTIMA G2 PLUS 811, BATTERY-POWER CHROME PLATED W/ANGLE STOP AND VACUUM BREAKER & TRAP PRIMER ADAPTER AS REQUIRED. OLSONITE 95 WHITE OPEN FRONT SEAT LESS COVER. PROVIDE FLOOR MOUNTED CARRIER SUPPORTS. ADA ROUGH-IN COMPLIANT.	1"	---	4"
P-2 P-2A ADA	LAVATORY: KOHLER MODEL "RHYTHM" K-2602; UNDERCOUNTER MOUNTED, 18" X 13", WHITE, VITREOUS CHINA, FAUCET: CHICAGO MODEL NO. 116.211.21.1 WITH 4" BASE PLATE, BATTERY POWERED, CHROME PLATE, DECK MOUNTED. PROVIDE WITH GRID DRAIN & TAILPIECE CHROME PLATED. ADJUSTABLE 17 GA. TWO PIECE 1 1/2" X 1 1/4" CAST-BRASS P-TRAP WITH CLEANOUT WITH ESCUTCHEON 1/2" I/P.S. X 3/8" O.D. LOOSE KEY ANGLE STOPS WITH STAINLESS STEEL FLEXIBLE BRAIDED HOSE CONNECTIONS. FOR ADA COMPLIANCE FIXTURES INSULATED DRAIN AND WATER SUPPLIES WITH HAND LAV-GUARD INSULATION KIT EQUIVALENT TO PLUMBEREX CO.	1/2"	---	2"
P-3 ADA	URINAL ADA : WALL HUNG, KOHLER MODEL "BARDON" K-4960-T, WHITE 3/4" TOP SPUD, 1.0 G.P.F., WHITE, VITREOUS CHINA, 14" ELONGATED RIM. FLUSH VALVE- SLOAN OPTIMA G2 PLUS 8166, BATTERY-POWER CHROME PLATED W/ANGLE STOP AND VACUUM BREAKER PROVIDE FLOOR MOUNTED CARRIER SUPPORTS. ADA ROUGH-IN COMPLIANT.	3/4"	---	2"
P-4A ADA	SHOWER VALVE SHALL BE POWERS HYDROGUARD MODEL e710000100 ANTI-SCALD TEMPERATURE AND PRESSURE BALANCED VALVE WITH METAL CP LEVER HANDLE, INTEGRAL VOLUME CONTROL AND ADJUSTABLE STOP LIMIT SCREW. TYPE 1, 24" STAINLESS STEEL ADA WALL GRAB BAR, METAL HOSE & STANDARD PLUS HANDSHOWER.			
SK-1 ADA	DOUBLE COMPARTMENT STAINLESS STEEL SINK. ELKAY MODEL CR3321-6 5/8" DEEP. 3 FAUCET HOLES, 18 GAUGE SELF-RIMMING. FAUCET CHICAGO MODEL 682-8CP, DECK MOUNTED BATTERY POWERED, RIGID SWING GOOSENECK SPOUT 8" CENTER SET. ST. STL 1 1/2" CUP STRAINERS, W/CHROME PLATED TAIL PIECE. EASTMAN FLEXIBLE RISER LOOSE KEY 1/2"X3/8" ANGLE STOPS WALL SUPPLIES. ADJUSTABLE 1 1/2" TWO PIECE, 17 GA. P-TRAP WITH C.O. , CONTINUOUS WASTE AND ESCUTCHEON. TRUBRO INSULATION KIT	1/2	1/2	2"
MB-1	MOP BASIN FLORESTONE MODEL 95, 32 X 32 X 12", NEO ANGLE DROP FRONT, TERRAZO RECEPTOR WITH 3" DRAIN, TAN COLOR, STAINLESS STEEL CAP, FAUCET-CHICAGO MODEL 897 SUPPLY MIXING VALVE WITH VACUUM BREAKER AND 3/4" HOSE THREAD ON SPOUT. FAT 832-AA, 30" LONG HEAVY-DUTY REINFORCE MOP HANGER WITH THREE RUBBER GRIPS.	3/4"	3/4"	3"
IMB-1	ICE MAKER BOX HOOK-UP, SPACE SAVER, GUY GRAY MODEL No. BIM875	1/4	---	---
FD-1	JR SMITH 2005Y-1 FLOOR DRAIN W/SQUARE TOP. 4" CAST IRON BODY W/ FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD WITH PRIMER.	---	---	3"
TD-1	SHOWER TRENCH DRAIN- STAINLESS STEEL, QUARTZ - ACO SHOWER DRAIN. STAINLESS STEEL FLAG- CURVED 'S' SLOTS GRATE. FD-1 FLANGED BODY STYLE FOR CONCRETE SLAB FLOORS. TRENCH BODY SHALL BE 5'-6" LONG OR CLOSEST FIT TO THE SPACE.			3"
RD-1	ROOF DRAIN JAY R SMITH FIG. 1015, DUCO CAST IRON BODY WITH ADJUSTABLE EXTENSION SLEEVE, REVESIBLE COLLAR, COMBINED FLASHING CLAMP AND GRAVEL STOP. WITH POLYETHYLEN DOME..			
ORD-1	OVERFLOW ROOF DRAIN JAY R SMITH FIG. 1080-L, DUCO CAST IRON BODY WITH CAST IRON WATER DAM. ADJUSTABLE EXTENSION SLEEVE, UNDERDECK CLAMP - CL., FLASHING CLAMP AND GRAVEL STOP WITH POLYETHYLEN DOME..			
DSN-1	DOWN SPOUT NOZZLE FOR OVERFLOW DRAIN, JAY R. SMITH 1770, CAST IRON BODY AND FLANGE.	---	---	---
ECO	EXTERIOR CLEANOUT-JR SMITH 4020SFC. ROUND NICKEL BRONZE TOP. DUCO CAST IRON CLEANOUT W/ ROUND	---	---	4"
FCO	ADJUSTABLE SCORIATED SECURED TOP. FLOOR MOUNTED. JR SMITH ROUND NICKEL BRONZE TOP. DUCO CAST IRON 2-WAY CLEANOUT W/ ROUND ADJUSTABLE SCORIATED SECURED TOP. FLOOR MOUNTED.	3/4	---	---
HB-1	HOSE BIBB WOODFORD MODEL 26. ROUGH BRASS FINISH WITH BACKFLOW PROTECTED.	3/4"	---	---
FPWH-1	FREEZE PROOF WALL HYDRANT- 1"INLET AND 1"HOSE CONNECTION, JR SMITH FIG. 5609QT-HC1-IC1. INTEGRAL VACUUM BREAKER AND EXPOSED HOSE CONNECTION. BRONZE NICKEL PLATED QUARTER TURN NON-FREEZE.	3/4"	---	---

LEGENDS, NOTES, SCHEDULES

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revisions

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1		
2		
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5		

JEFFERSON PARISH SHERIFF'S OFFICE
4TH DISTRICT SUBSTATION
JEFFERSON PARISH, LOUISIANA

LEGEND, NOTES AND SCHEDULES

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