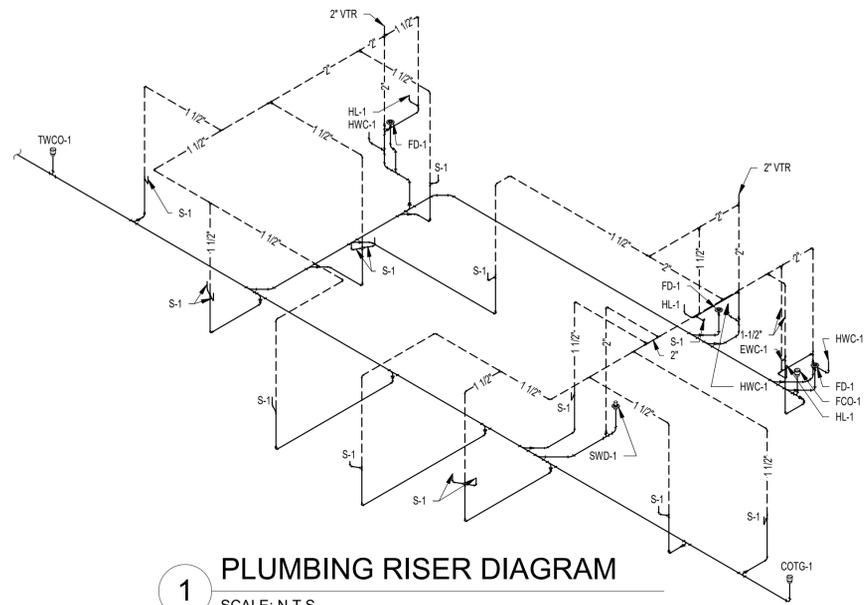
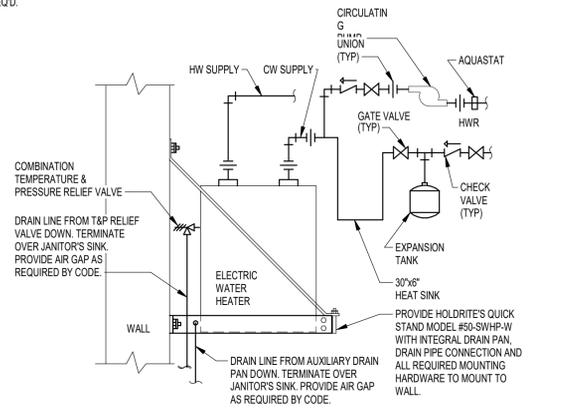


GENERAL PLUMBING NOTES

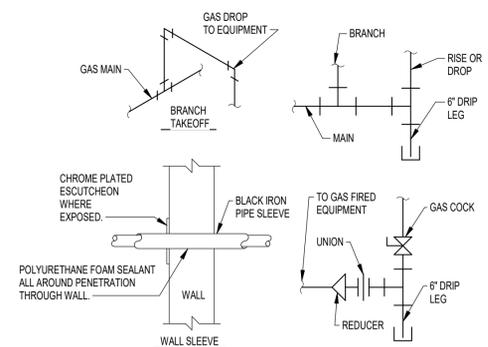
- CAREFULLY EXAMINE SITE & ARCHITECTURAL PLANS TO BE THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS. VERIFY & COORD EXACT LOC OF ALL EQUIP, FIXTURES, PIPING, ETC WITH ALL OTHER TRADES. REVIEW ARCH ELEVATIONS & DWGS FOR EXACT DIMS.
- PROVIDE ALL ESSENTIAL MAT'L'S FOR COMPLETION OF PLUMBING WORK TO MAKE THE SYSTEM READY FOR OPERATION, INCLUDING ALL WORK & MATERIALS NOT DIRECTLY SHOWN ON DWGS & SPECS, BUT NECESSARY FOR PROPER OPERATION.
- ALL WORK SHALL COMPLY WITH APPLICABLE PLUMBING CODES, REQUIREMENTS OF THE STATE HEALTH DEPARTMENT AND LOCAL ORDINANCES.
- PLUMBING SUPPLY & DRAIN PLANS ARE DIAGRAMMATICAL IN NATURE. REGARDLESS OF HOW SHOWN ON THE PLANS, CONTRACTOR TO INSTALL ALL PIPING IN A CONCEALED LOCATION UNLESS OTHERWISE DIRECTED. THE FINAL LAYOUT SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS WITH ALL MEASUREMENTS VERIFIED AT THE SITE & COORDINATED WITH OTHER DISCIPLINES. DURING CONSTRUCTION, ANY CONFLICT BETWEEN ARCHITECTS INTENT & THE CONTRACTOR'S INTERPRETATION OF PLUMBING PLANS SHALL BE RESOLVED SO AS TO MAINTAIN THE ARCHITECT'S AESTHETIC EXPECTATIONS OF THE PROJECT. DESIGN & ROUTING OF THE PLUMBING SYSTEMS ARE LIMITED TO THE PIPING & FITTINGS AVAILABLE WITHIN REVIT. SPECIAL PIPING & FITTINGS CAN BE USED IN THE FIELD TO SIMPLIFY OVERALL DESIGN.
- INSTALL WATER HAMMER ARRESTOR AT ALL QUICK-CLOSING VALVES & AT END OF EACH BRANCH ON HOT & COLD WATER PIPING. ALSO, PROVIDE AN ARRESTOR AT EACH BATTERY OF WATER CLOSETS & AT OTHER FIXTURES OR EQUIPMENT AS DIRECTED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE ISOLATION VALVES TO SERVE EACH SET OF COLD & HOT WATER RISERS. PROVIDE ISOLATION VALVES TO SERVE EACH SET OF TOILET ROOMS & AT ALL EQUIPMENT. PROVIDE THERMOSTATIC MIXING VALVES SET TO 110° AT EACH PUBLIC HAND WASHING FIXTURE THAT REQUIRES HOT WATER. PROVIDE SHUT-OFF STOPS FOR EACH PLUMBING FIXTURE INSTALLED. AN ACCESS PANEL SHALL BE PROVIDED AS REQUIRED TO ALLOW ACCESS TO ALL VALVES INSTALLED IN A CONCEALED LOCATION. AVOID INSTALLING ANY MAINTENANCE ITEMS ABOVE HARD CEILING UNLESS ACCESS IS PROVIDED.
- ALL PIPING AT VALVE PORTION OF FREEZE PROOF HOSE BIBBS SHALL BE INSIDE THE INSULATION. PROVIDE AN ISOLATION VALVE. SEAL AIR TIGHT AT SHEATHING PENETRATION.
- MOUNT ALL FLUSH CONTROLS FOR HANDICAPPED WATER CLOSETS ON THE OPEN SIDE OF TOILET AREAS.
- ALL PIPING LOCATED ON THE ROOF SHALL BE ANCHORED AS DIRECTED BY THE ROOF MANUFACTURER WITH FASTENERS APPROVED BY THE ROOF MANUFACTURER.
- THE MINIMUM SIZE FLOOR DRAIN ON THIS PROJECT SHALL BE 2" UNLESS NOTED OTHERWISE ON THE DWGS. ALL DRAIN & VENT PIPING INSTALLED BELOW SLAB SHALL BE A MINIMUM 2".
- THE MINIMUM SLOPE FOR UP TO 2-1/2" DRAIN PIPING SHALL BE 1/4":1' & 3" TO 6" SHALL BE 1/8":1'.
- PROVIDE A CLEAN OUT AT ALL DEAD ENDS AND CHANGES IN DIRECTION GREATER THAN 45° FOR SANITARY DRAINAGE.
- MAKE PROVISIONS TO INSTALL ALL VENT THROUGH ROOF (VTR) ON THE BACK SIDE OF ALL ROOF RIDGES. THE OPEN VENT TERMINAL SHALL NOT BE LOCATED DIRECTLY BENEATH ANY DOOR, OPERABLE WINDOW, OR OTHER AIR INTAKE OPENING OF THE BUILDING OR AN ADJACENT BUILDING; ANY SUCH VENT TERMINAL SHALL NOT BE WITHIN 10' HORIZONTALLY OF SUCH AN OPENING UNLESS IT IS 3' OR MORE ABOVE THE TOP OF SUCH OPENING. COORD WITH OTHER TRADES. OFFSET AS REQ'D.
- CONTRACTOR TO REVIEW ALL PLAN SHEETS FOR FIXTURE TAGS.
- A JANITOR'S SINK IS IN A SHARED SPACE AND ACCESSIBLE TO TENANT.



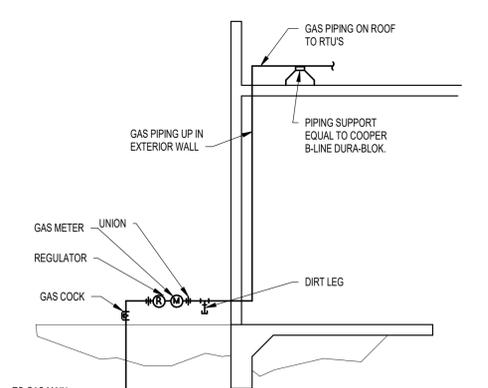
1 PLUMBING RISER DIAGRAM
SCALE: N.T.S.



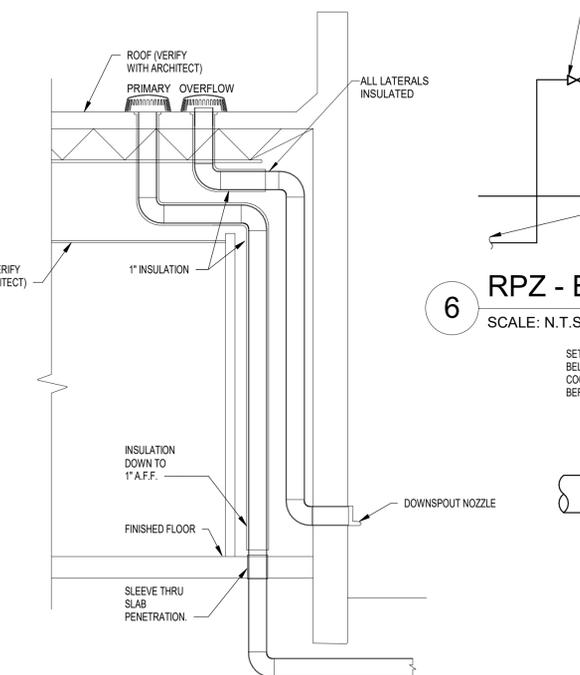
8 WH SHELF MOUNTED WITH CIRC PUMP
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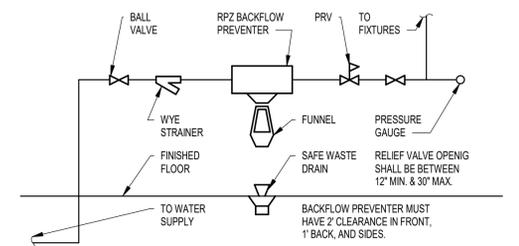
10 GAS PIPING
SCALE: N.T.S.



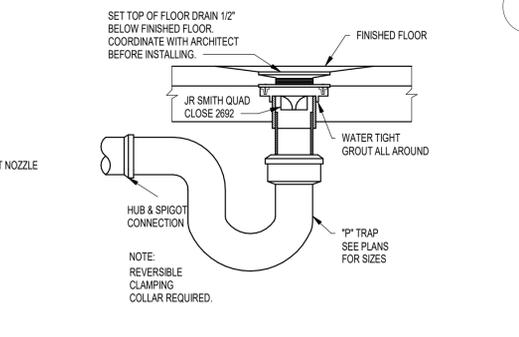
9 GAS RISER
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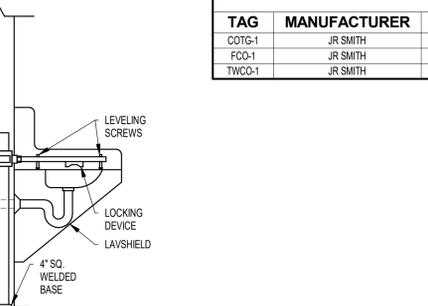
7 CONCEALED ROOF DRAIN DETAIL
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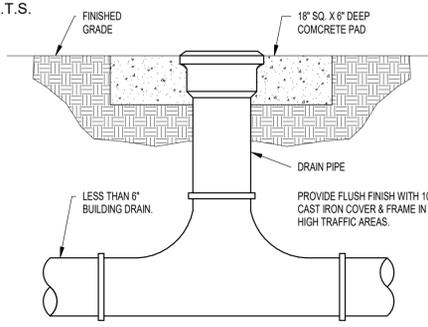
6 RPZ - BACKFLOW PREVENTER
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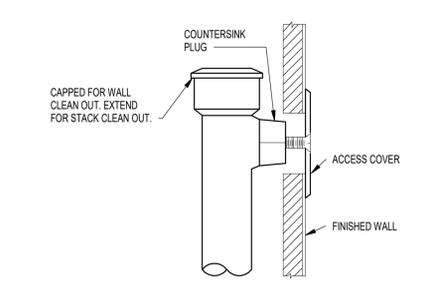
5 FLOOR DRAIN
SCALE: N.T.S.



4 LAVATORY SUPPORT
SCALE: N.T.S.



3 TWO-WAY CLEAN OUT
SCALE: N.T.S.



2 STACK CLEAN OUT
SCALE: N.T.S.

WATER CLOSET AND URINAL SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	
HWC-1	AMERICAN STANDARD	3043.001	ADA FLOOR MOUNTED FLUSH VALVE, VITREOUS CHINA ELONGATED-RIM, WITH SLOANFLUSHMETER 111, AMERICAN STANDARD SEAT 5901.100.	

LAVATORY, SINK, AND SHOWER SCHEDULE					
TAG	MANUFACTURER	MODEL	DESCRIPTION	WATTS	VOLTS/PH
HL-1	AMERICAN STANDARD	3510	ADA WALL MOUNTED 20"x18" HOLES 4" O.C. VITREOUS CHINA, WITH KOHLER K-15182 SINGLE HANDLE FAUCET, PROVIDE LAVASHIELD EQUAL TO TRUBRO IPS CORP. LAVATORY PROTECTIVE ENCLOSURES TO COVER TRAPS, TAILPIECE AND ANGLE STOPS.		
S-1	ELKAY	LR1726SC	STAINLESS STEEL DROP-IN SINGLE BOWL SINK WITH FAUCET, 17"x20".		

PLUMBING EQUIPMENT SCHEDULE					
TAG	MANUFACTURER	MODEL	DESCRIPTION	WATTS	VOLTS/PH
CP-1	BELL & GOSSETT	NBF-85LW	CIRCULATION PUMP. PROVIDE TIMER KIT TC-1 AND AQUASTAT. DESIGNED CONDITION FLOOR REQUIREMENT IS EQUAL TO 1 GPM AND 1.5' OF HEAD.	39 VA	115/1
EWC-1	ELKAY	L258W5LP	ELECTRIC WATER COOLER. SINGLE LEVEL WITH BOTTLE FILLER.	370 VA	115/1
EW-H-1	JR SMITH	ENLB-30	30 GALLON LOWBOY ELECTRIC WATER HEATER.	4500 VA	240/1
FPB-H-1	JR SMITH	5508QT	BRONZE QUARTER TURN NON-FREEZE HYDRANT WITH HOSE CONNECTION, INTEGRAL VACUUM BREAKER, T HANDLE KEY, AND STAINLESS STEEL BOX.		
PRV-1	WATTS	LF223	1-1/2" HIGH CAPACITY WATER PRESSURE REDUCING VALVE.		
RPZ-1	WATTS	LF909M1-QT-FS-S	1-1/2" REDUCED PRESSURE ZONE BACKFLOW ASSEMBLY WITH STRAINER.		

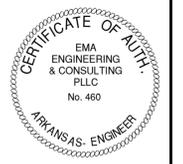
DRAIN SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	
DS-1	ZURN	Z-195-SS	DOWNSPOUT WITH REMOVABLE STAINLESS SCREEN (SS).	
SWD-1	JR SMITH	3510	CAST IRON BODY WITH SQUARE HEAD AND FUNNEL ATTACHED TO NICKEL GRATE. PROVIDE LOOSE GRATE. PROVIDE JR SMITH QUAD CLOSE TRAP SEAL 2892.	
FD-1	JR SMITH	2005B	DUCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD. PROVIDE JR SMITH QUAD CLOSE TRAP SEAL 2892.	
ROIOD-1	ZURN	Z163	1 1/2" DIAMETER COMBINATION COMBINATION ROOF AND OVERFLOW DRAIN.	

CLEAN OUT SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	
COOTG-1	JR SMITH	4240	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE NICKEL BRONZE TOP.	
FCO-1	JR SMITH	4100	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORATED SECURED NICKEL BRONZE TOP.	
TWCO-1	JR SMITH	4240	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE NICKEL BRONZE TOP.	

ROUGH-IN AND MOUNTING HEIGHT SCHEDULE					
FIXTURE	WASTE	VENT	COLD WATER	HOT WATER	INSTALLATION HEIGHT
WATER CLOSETS (FLUSH VALVE)	3"	2"	1"	----	STD 15" TO TOP OF SEAT ADA 17" TO TOP OF SEAT
LAVATORIES AND SINKS	1 1/2"	1 1/2"	1/2"	1/2"	STD 31" TO TOP OF RIM ADA 34" TO TOP OF RIM
DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	----	STD 40" TO TOP OF ORIFICE ADA 36" TO TOP OF ORIFICE
HOSE BIBB	----	----	3/4"	----	18" ABOVE GRADE OUTSIDE, 18" A.F.F. INSIDE
NOTE	ALL DRAIN AND VENT LINES BELOW SLAB SHALL BE 2" OR LARGER.				

MATERIALS SCHEDULE	
SERVICE	MATERIAL DESCRIPTION
UNDERGROUND SANITARY SEWER AND VENT PIPING INSIDE AND OUTSIDE BUILDING.	SCHEDULE 40 PVC PIPE AND FITTINGS.
ABOVE GROUND SANITARY SEWER AND VENT	SCHEDULE 40 PVC PIPE AND FITTINGS.
ABOVE GROUND DOMESTIC WATER	TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS AND 95-5 LEAD FREE SOLDER. SIL-FOS JOINTS ABOVE SLAB ARE NOT ALLOWED.
UNDERGROUND DOMESTIC WATER INSIDE AND OUTSIDE BUILDING	1" AND SMALLER: ASTM B88 TYPE "L" SOFT COPPER NO JOINTS OR FITTINGS UNDER SLAB. MAKE CONNECTIONS ABOVE SLAB WITH WROUGHT COPPER FITTINGS AND LEAD FREE SOLDER. 1-1/4" AND LARGER: ASTM B88 TYPE "L" HARD COPPER. WROUGHT COPPER FITTINGS. MAKE JOINTS WITH LOW HEAT WELDING SUCH AS SIL FOS, OR LOW HEAT ROD WELDING.
ABOVE GROUND GAS	SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS OR WELDED JOINTS WITH BUTT WELD FITTINGS. IF IN CONTACT WITH MATERIAL OR ATMOSPHERE EXERTING A CORROSIVE ACTION, METALLIC PIPING AND FITTINGS COATED WITH A CORROSION-RESISTANT MATERIAL SHALL BE USED.
STORM DRAIN PIPING, ROOF, AND OVERFLOW DRAIN ABOVE GROUND	SCHEDULE 40 PVC PIPE.
STORM DRAIN PIPING UNDERGROUND	SCHEDULE 40 PVC PIPE AND FITTINGS.

INSULATION SCHEDULE		
DESCRIPTION	TYPE	THICKNESS
DOMESTIC COLD AND HOT WATER PIPING ABOVE AND UNDER GROUND.	ELASTOMERIC	1/2"
ALL ABOVE GROUND ROOF DRAIN PIPING. SEE CONCEALED ROOF DRAIN DETAIL.	FIBERGLASS ASJ OR ELASTOMERIC	1"



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PRELIMINARY NOT FOR CONSTRUCTION

Revision Schedule	Description
Rev. #	Date

NWA PEDIATRICS ADDITION
3730 S PINNACLE HILLS PKWY #3
ROGERS, AR 72758

MANA
3383 N MANA CT, SUITE 201
FAYETTEVILLE, AR 72703

DATE	DRAWN BY
Issue Date	Designer
PROJECT #	CHECKED BY
2438	Checker

SHEET
P3.1
PLUMBING SCHEDULES AND DETAILS