

### SYMBOL LEGEND

SYMBOL	DESCRIPTION	ABBREVIATIONS
	PIPE TURNING DOWN	A MEDICAL AIR
	PIPE TURNING UP	ABV ABOVE
	PIPE CAP	AFF ABOVE FINISH FLOOR
	TEE TURNING DOWN	BLW BELOW
	TEE TURNING UP	BF BARRIER FREE
	CIRCUIT SETTER	BFF BELOW FINISH FLOOR
	SHUT-OFF VALVE	CA COMPRESSED AIR
	CHECK VALVE	CO CLEANOUT
	BALANCING VALVE (PLUG TYPE)	CO2 CARBON DIOXIDE
	PRESSURE REDUCING VALVE	CONT CONTINUATION
	FLOOR DRAIN	DCW DOMESTIC COLD WATER
	ROOF DRAIN	DFU SANITARY DRAINAGE FIXTURE UNITS
	OVERFLOW ROOF DRAIN	DHW DOMESTIC HOT WATER
	FLOOR CLEANOUT	DHWR DOMESTIC HOT WATER RETURN
	END-OF-LINE CLEANOUT	DN DOWN
	WALL CLEANOUT	(EX) EXIST.
	YARD CLEANOUT	FCO FLOOR CLEANOUT
	SHOCK ARRESTOR (SUFFIX INDICATES PDI SIZE)	FD FLOOR DRAIN
	UNION	FR FRM FROM
	FROST PROOF HOSE BIB	FLR FLOOR
	HOSE BIB	FPHB FROST PROOF HOSE BIBB
	TRAP PRIMER	HB HOSE BIBB
	DIRECTION OF FLOW	IE INV. EL. INVERT ELEVATION
	POINT OF DEMOLITION	LAV LAVATORY
	FLEXIBLE CONNECTOR	MH MOUNTING HEIGHT
	DEMOLITION	N NITROGEN
		NO NITROGEN OXIDE
		N.O. NORMALLY OPEN
		N.C. NORMALLY CLOSED
		O OXYGEN
		ORD OVERFLOW ROOF DRAIN
		ORL OVERFLOW RAINWATER LEADER
		PSI POUNDS PER SQUARE INCH
		RD ROOF DRAIN
		RO REVERSE OSMOSIS
		RWL RAINWATER LEADER
		SA SHOCK ARRESTOR
		SAN, S SANITARY
		SD STORM DRAIN
		ST STORM
		SS SERVICE SINK
		TD TRENCH DRAIN
		TW TEMPERED WATER
		TYP TYPICAL
		V VENT or VACUUM
		VB VACUUM BREAKER
		VTR VENT THRU ROOF
		WAGD WASTE ANESTHETIC GAS DISPOSAL
		WCO WALL CLEANOUT

### PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	SAN	VENT	HW	CW	REMARKS
P-103	WALL MOUNTED WATER CLOSET, WALL OUTLET	4"	2"	-	1 1/4"	ADA - ELONGATED BOWL, SIPHON JET, WALL OUTLET, MANUAL FLUSH VALVE, ANTI-MICROBIAL SURFACE, OPEN-FRONT HEAVY-DUTY SEAT LESS COVER, WATER CLOSET AND CARRIER RATED FOR 800 LBS. TOP OF SEAT @ 18" A.F.F., 1.28 GPF FLOW RATE, NOTE: 1, 2, 3.
P-408	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG, VITREOUS CHINA, APPROXIMATELY 18"x15" WITH MAXIMUM 4" APRON, PROVIDE LAVATORY CARRIER AND FAUCET WITH GOOSE NECK SPOUT AND 4" WRIST BLADE TYPE HANDLES. PROVIDE WITH TV-1 MIXING VALVE SET @ 110°F (ADJUSTABLE) IN COMPLIANCE WITH ASSE 1070, 0.5 GPM FLOW RATE.
P-502	MOP RECEPTOR	3"	2"	3/4"	3/4"	FLOOR MOUNTED TERRAZZO MOP BASIN, CHROME PLATED CAST BRASS WALL MOUNTED SERVICE SINK FAUCET W/ VACUUM BREAKER, STAINLESS STEEL BACK SPLASH TWO SIDES TO 80" A.F.F.
P-708	EMERGENCY EYE & FACE WASH	2"	1 1/2"	1/2"	1/2"	WALL MOUNTED, STAINLESS STEEL RECEPTOR, HAND CONTROL, PROVIDE TV-2 MIXING VALVE SET @ 85 DEG. F. (TEPID), 3 GPM FLOW.

**NOTES:**  
1. REFER TO ARCHITECTURE PLANS FOR MOUNTING HEIGHT OF FIXTURES AND EQUIPMENT.  
2. COORDINATE FLUSH VALVE INSTALLATION WITH GRAB BAR, IF APPLICABLE.  
3. BACK TO BACK TOILET WALL CARRIER BASIS OF DESIGN: ZURN Z1202-ND4-XB

### THERMOSTATIC MIXING VALVE SCHEDULE

TAG	FLOW RATE (GPM)	AVG. TEMPERATURE (°F)	INLET SIZE	OUTLET SIZE	REMARKS
TV-1	0.25-4	110 (TEMPERED)	3/8"	3/8"	FOR LAVATORIES, AND SINKS - BASIS OF DESIGN, LEONARD 170-LF
TV-2	0.5-4	85 (TEPID)	3/8"	3/8"	FOR EYE & FACE WASHES - BASIS OF DESIGN, BRADLEY S19-2000

- ### GENERAL PLUMBING NOTES
- COORDINATE PLUMBING PIPING WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES.
  - SLOPE WATER PIPING FOR DRAINAGE WITH DRAIN VALVES INSTALLED AT LOW POINTS.
  - PROVIDE ACCESS PANELS AT CONCEALED VALVES, WATER HAMMER ARRESTORS AND OTHER DEVICES ABOVE HARD CEILINGS AND WALLS.
  - PROVIDE CLEANOUTS WITH TOPS DESIGNED FOR SPECIFIC FLOOR FINISHES SUCH AS CARPET, TILE, ETC. UNLESS NOTED OTHERWISE.
  - COORDINATE WALL AND FLOOR PENETRATIONS AND INSTALL SLEEVES IN FLOORS.
  - REFER TO EQUIPMENT DETAILS FOR VENT PIPING AND VALVING NOT INDICATED ON THE PLANS.
  - DO NOT SCALE DRAWINGS. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DOORS, WINDOWS, WALLS, ETC.
  - LOCATE VERTICAL SUPPLY, STORM DRAINS, SANITARY WASTE, AND VENT PIPING IN WALLS OR PARTITIONS, UNLESS NOTED OTHERWISE.
  - LOCATE SUPPLY PIPING ABOVE CEILING, UNLESS NOTED OTHERWISE.
  - EXTEND VENTS UP AND COLLECT VENTS ABOVE THE CEILING.
  - PROVIDE FOR ACCESS TO EQUIPMENT REQUIRING CLEANING, ADJUSTMENT OR MAINTENANCE.
  - COORDINATE ALL PHASES OF WORK AND INTERRUPTIONS IN SERVICE.
  - THESE ENGINEERING DRAWINGS ARE DIAGRAMMATIC. PROVIDE WORK AND MATERIAL FOR A COMPLETE INSTALLATION. MAKE PROPER HOT AND COLD WATER, WASTE, VENT, ETC., PIPING CONNECTION TO FIXTURES AND EQUIPMENT. PROVIDE PIPE ESCUTCHEONS, ELECTRIC UNIONS, CRIP PANS, PIPE LABELS, VALVE TAPS, ANCHORS, SUPPORT SEALS, SLEEVE SEALS, ISOLATION VALVES, CLEANOUTS, ETC. IN QUANTITIES FOR A COMPLETE SYSTEM. PROVIDE EQUIPMENT, PLUMBING FIXTURES, TRIM HARDWARE AND /OR DEVICES UTILIZED IN THIS CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THESE DRAWINGS, BUT ARE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK.
  - PROVIDE INSULATION ON NEW PIPING PER SPECIFICATIONS.
  - LOCATE PIPING STACKS AND RISERS OUTSIDE OF LOAD BEARING WALLS.
  - PIPING SHALL NOT BE ROUTED ABOVE IT ROOMS, ELECTRICAL ROOMS, ELECTRICAL EQUIPMENT, OR UNDERNEATH ELECTRICAL ROOMS.
  - PIPE HANGERS, BRACES AND RESTRAINTS SHALL ADEQUATELY SUPPORT THE SYSTEM HORIZONTALLY AND VERTICALLY AND SHALL ALLOW FOR MOVEMENT WITHOUT TRANSMITTING STRESS OR VIBRATION TO THE STRUCTURE. HANGERS ON INSULATED PIPING SHALL BE PROVIDED WITH AND SHALL BE SIZED TO ACCOMMODATE HANGER SHIELDS, HORIZONTAL SOIL, WASTE AND VENT PIPING HUNG FROM BUILDING CONSTRUCTION SHALL BE SUPPORTED AT NOT OVER 5 FEET NEXT TO FITTINGS. PROVIDE ADDITIONAL SUPPORT AT JOINT, CHANGES IN DIRECTION AND ELSEWHERE AS REQUIRED TO MAINTAIN PROPER ALIGNMENT.
  - CLEAN FIXTURES, ADJUST VALVES, AND LEAVE THE SYSTEM IN GOOD WORKING ORDER. REMOVE DEBRIS AND RUBBISH AND REPAIR ANY DAMAGE CAUSED BY THE WORK.
  - SEAL PENETRATIONS OF FIRE RATED WALLS USING UL LISTED PENETRATION MATERIALS.
  - PROVIDE SUPPORT DEVICES. ALL LOCATIONS SHOULD BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION. DO NOT USE THE SUPPORTS OF OTHER TRADES.
  - PRIOR TO CORE DRILLING FOR PIPE, FLOOR SINKS, FLOOR DRAINS AND FLOOR CLEANOUTS, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING STRUCTURAL ELEMENTS AND ADJUST THE LOCATION OF THE AFOREMENTIONED ITEMS TO AVOID ANY CONFLICTS WITH THE EXISTING STRUCTURE, FLOOR PENETRATIONS, FLOOR DRAIN, FLOOR CLEANOUTS AND FLOOR SINKS LOCATIONS SHALL BE ADJUSTED TO SUITE FIELD CONDITIONS.
  - ALL EXISTING DOMESTIC SUPPLY, SANITARY AND STORM PIPING SERVING THE THIRD FLOOR SHALL REMAIN IN SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES, FOR THE THIRD FLOOR, DURING ALL PHASES OF CONSTRUCTION.
  - PRIOR TO THE START OF ANY DEMOLITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND VIDEO SCOPE THE EXISTING UNDERGROUND SANITARY AND RAIN WATER PIPING WITHIN PROJECT SCOPE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS AND LICENSES FOR THE COMPLETE INSTALLATION OF THEIR WORK.

### WATER HAMMER ARRESTOR SCHEDULE

SYMBOL	FIXTURE UNITS	MAX. FLUID TEMP.	CONNECTED PIPE SIZE	REMARKS
WHA-A	1 - 11	180°F	1/2"	LOCATE IN ACCORDANCE WITH PDI WH 201 STANDARD/PROVIDE ACCESS DOORS AS REQUIRED
WHA-B	12 - 32	180°F	3/4"	LOCATE IN ACCORDANCE WITH PDI WH 201 STANDARD/PROVIDE ACCESS DOORS AS REQUIRED
WHA-C	33 - 60	180°F	1"	LOCATE IN ACCORDANCE WITH PDI WH 201 STANDARD/PROVIDE ACCESS DOORS AS REQUIRED
WHA-D	61 - 113	180°F	1 1/4"	LOCATE IN ACCORDANCE WITH PDI WH 201 STANDARD/PROVIDE ACCESS DOORS AS REQUIRED
WHA-E	114 - 154	180°F	1 1/2"	LOCATE IN ACCORDANCE WITH PDI WH 201 STANDARD/PROVIDE ACCESS DOORS AS REQUIRED
WHA-F	155 - 330	180°F	2"	LOCATE IN ACCORDANCE WITH PDI WH 201 STANDARD/PROVIDE ACCESS DOORS AS REQUIRED

NOTES: PROVIDE WHA-B FOR TOILET ROOMS WITH FLUSH VALVE TOILETS.

### DRAIN & CLEANOUT SCHEDULE

MARK	TYPE	DESCRIPTION	BASIS OF DESIGN	NOTES
FD* <sup>C</sup>	SHOWER & FLOOR DRAIN	SQUARE NICKEL BRONZE ADJUSTABLE 6" STRAINER WITH CAST IRON BODY	J.R. SMITH MODEL 2085Y-P-U	BY PIPE SIZE, NOTE 1
FCO	FLOOR	CAST IRON ADJUSTABLE FLOOR CLEANOUT WITH ROUND NICKEL BRONZE TOP	ZURN MODEL Z1474	BY PIPE SIZE
WCO	WALL	CAST IRON WALL CLEANOUT W/ CAST BRASS THREADED PLUG PROVIDE WITH STAINLESS STEEL WALL PLATE	ZURN MODEL Z1446	BY PIPE SIZE

NOTES: 1. PROVIDE WITH TRAP PRIMER VALVE EQUAL TO PPP MODEL NO. P1-500 AND VANDAL PROOF SCREWS.

### PIPE LEGEND

NEW PIPE	EXISTING PIPE TO REMAIN	EXISTING PIPE TO BE REMOVED	PIPE DESCRIPTION
----	(E)CJW	(E)CJW	DOMESTIC COLD WATER
----	(E)HW	(E)HW	DOMESTIC HOT WATER
----	(E)HW	(E)HW	DOMESTIC HOT WATER RETURN
----	(E)SAN	(E)SAN	SANITARY WASTE
----	(E)V	(E)V	VENT
----	(E)RD	(E)RD	ROOF DRAIN
----	(E)ORD	(E)ORD	OVERFLOW ROOF DRAIN
----	(E)CA	(E)CA	COMPRESSED AIR
----	(E)O	(E)O	OXYGEN
----	(E)MA	(E)MA	MEDICAL AIR
----	(E)MV	(E)MV	MEDICAL VACUUM

### RECIRCULATING PUMP SCHEDULE

MARK	TYPE	(GPM)	HEAD (FEET)	HP	WATTS	VOLTAGE	PHASE	BASIS OF DESIGN	REMARKS
DCWRP-1	COLD WATER RECIRCULATOR	1.5	15	1/6	70	120	1	BELL AND GOSSETT CIRCULATOR ECOCIRO*20-18	1 - 7


**NOTES:**  
1. PROVIDE WITH 1" FLANGE KIT AND AQUASTAT. PUMP MOTOR TO HAVE INTEGRAL THERMAL OVERLOAD.  
2. PROVIDE WITH HARD WIRED KIT.  
3. DISCONNECT TO BE PROVIDED BY DIVISION 26.  
4. PUMP SHALL BE POWERED FROM EMERGENCY POWER.  
5. LEAD FREE CONSTRUCTION.  
6. PROVIDE WITH HARD WIRE CONNECTION.  
7. MULTISPEED PUMP. SET TO CONSTANT PRESSURE MAXIMUM HEAD PRESSURE SETTING.

4/11/2024 2:57:57 PM  
BIM 360://19022 - Fayetteville IDIQ Project No. 664-19-003 Renovation of SPS/19022 - PLUMB - R2024.rvt

Revision Number	Revisions:	Date:

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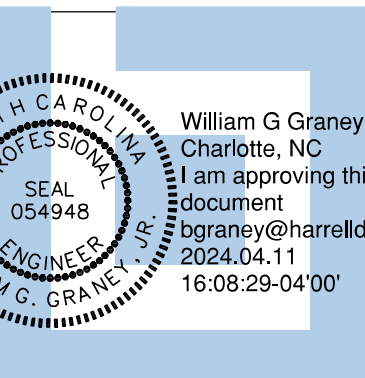
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#### DRAWING TITLE

## GENERAL NOTES, LEGENDS, & SCHEDULES

APPROVED

#### PHASE

## CONSTRUCTION DOCUMENTS SUBMISSION

## FULLY SPRINKLERED

#### PROJECT TITLE

## RENOVATE SPACE FOR LOGISTICS (B-1)

LOCATION  
**FAYETTEVILLE VA MEDICAL CENTER**

ISSUE DATE  
**11 APRIL 2024**

CHECKED  
**WGG**

DRAWN  
**DM**

PROJECT NUMBER  
**564-24-104**

BUILDING NUMBER  
**1**

DRAWING NUMBER  
**PL001-A**

#### Engineering Service



**VETERANS HEALTH CARE SYSTEM  
OF THE OZARKS**



U.S. Department of Veterans Affairs