

PLUMBING FIXTURE CONNECTION SCHEDULE						
MARK	FIXTURE	SAN.	VENT	C.W.	H.W.	REMARKS
FD-D	FLOOR DRAIN	3"	2"	-	-	-
TP-2	TRAP PRIMER	-	-	1/2"	-	-

**PLUMBING ABBREVIATIONS:**

AD	AREA DRAIN	IE	INVERT ELEVATION
ADJ	ADJUSTABLE	IN	INCHES
AF	ABOVE FINISHED FLOOR ACCESS PANEL	INST	INSTALLED
B	BOILER	KW	KILOWATT
BTU	BRITISH THERMAL UNITS	LAV	LAVATORY
BOD	BOTTOM OF DUCT	LWCO	LOW WATER CUT-OFF
BOP	BOTTOM OF PIPE	MAX	MAXIMUM
BOS	BOTTOM OF STEEL	100 BTU/HR	100 BTU PER HOUR
BW	BACKWATER VALVE	MC	MECHANICAL CONTRACTOR
CA	CAPACITY	MIN	MINIMUM
CC	CENTER TO CENTER	MSF	MOISTURE SERVICE BASIN
CI	CAST IRON	MV	MIXING VALVE
CL	CENTER LINE	NO	NORMALLY OPEN
CLG	CILING	NC	NORMALLY CLOSED
CO	CLEANOUT	NS	NOT TO SCALE
CONN	CONNECTION	OS	OIL SEPARATOR
CPVC	CHLORINATED POLYVINYL CHLORIDE	OV	OVERFLOW DRAIN
D	DRAIN	P	PUMP
DF	DRINKING FOUNTAIN	PC	PLUMBING CONTRACTOR
DI	DIAMETER	PC	POINT OF CONNECTION
DN	DOWN	PVC	POLYVINYL CHLORIDE
DS	DOWNSPOUT	RD	ROOF DRAIN
DW	DISHWASHER	RM	REVOLUTIONS PER MINUTE
EFF	EFFICIENCY	RP	RECIRCULATING PUMP
EM	EXPANSION TANK	RPP	REDUCED PRESSURE BACK FLOW PREVENTION
EMS	ENERGY MANAGEMENT SYSTEM	RV	RELIEF VALVE
ESV	EMERGENCY SHUT-OFF VALVE	S	SINK
EWC	ELECTRIC WATER COOLER	SAN	SANITARY
EW	ELECTRIC WATER HEATER	SB	SHOWER BASIN
EXT	EXISTING	SC	STORM CONDUCTOR
FO	FLOOR CLEANOUT	SH	SHOWER
FI	FLOOR HYDRANT	ST	STORM
FM	FINISH	SV	SOLENOID VALVE
FLR	FLOOR	STL	STEEL
FM	FACTORY MOUNTED	STL	TEMPERATURE CONTROLLER
FT	FEET	TD	TRIPLE DUTY VALVE
FT	FINISHED	TOP	TOP OF PIPE
FLA	FULL LOAD AMPS	TS	TAMPER SWITCH
FPC	FIRE PROTECTION CONTRACTOR	TS	TOTAL STATIC PRESSURE
FS	FLOOR SINK	TV	TEMPERED WATER
G	GALLONS	TE	THERMAL EXPANSION VALVE
GALV	GALVANIZED	UR	URINAL
GC	GENERAL CONTRACTOR	V	VENT
GW	GAS WATER HEATER	VFD	VARIABLE FREQUENCY DRIVE
H	HOT AND COLD WATER	VTR	VENT THRU ROOF
HB	HOSE BIBB	W	WASTE
HD	HUB DRAIN	WP	WATER PRESSURE DROP(FT. H2O)
HR	HOUR	WCO	WATER CLODNOUT
HP	HORSEPOWER	WH	WALL HYDRANT
		YH	YARD HYDRANT

**PLUMBING SYMBOLS LEGEND**

	CONNECTION OF NEW TO EXISTING
	DEMO PIPE
	SANITARY WASTE ABOVE GRADE
	SANITARY VENT
	STORM PIPE
	PLUMBING TRAP
	PIPE TURNING DOWN
	PIPE TURNING UP
	TRAP PRIMER
	ABOVE FINISHED FLOOR
	SOIL STACK
	NOT TO SCALE
	CAST IRON
	CLEAN OUT
	THRU-FLOOR
	ROOF DRAIN
	VENT
	FLOOR DRAIN

**PLUMBING KEYED NOTES:**

- EXISTING VENT THRU ROOF TO REMAIN.
- EXISTING ROOF DRAIN TO REMAIN.
- THE PLUMBING CONTRACTOR TO COORDINATE REMOVAL AND REPLACEMENT OF EXISTING STORM PIPING AS NECESSARY TO COORDINATE WITH MECHANICAL DUCTWORK INSTALLATION.
- EXISTING VENT THRU ROOF TO REMAIN.
- COORDINATE REMOVAL AND REPLACEMENT OF EXISTING WASTE ANESTHESIA GAS DISPOSAL VENT PIPING AS NECESSARY TO COORDINATE WITH MECHANICAL DUCTWORK INSTALLATION. COORDINATE DOWNTIME WITH COR.

**PLUMBING GENERAL NOTES:**

- CONSTRUCTION MATERIALS AND INSTALLATION METHODS PROVIDED AND PERFORMED BY ALL CONTRACTORS SHALL BE IN COMPLIANCE WITH VAMC FACILITY OPERATIONS, NFPA, ICRA, ILSM, VA SPECIFICATIONS, AND AS FURTHER DESCRIBED IN THIS SCOPE.
- RECORD SITE AND UTILITY DRAWINGS PROVIDED BY THE VAMC ARE FOR REFERENCE ONLY.
- PAINT ALL EXPOSED NEW AND EXISTING PIPING TO MATCH WALL FINISH UNLESS OTHERWISE NOTED.
- THE CONTRACTING OFFICERS REPRESENTATIVE (COR) WILL PERFORM FIELD VERIFICATION AS REQUIRED FOR THE DURATION OF THE PROJECT TO MONITOR PROJECT PROGRESS.
- UTILITY SHUT DOWNS WILL BE COORDINATED BY ITP (INTEGRATED PROJECT TEAM) INCLUDING: PROJECT ENGINEER, VA FACILITY OPERATIONS, AND GENERAL CONTRACTOR.
- CONTRACTOR SHALL FIELD VERIFY AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AFFECTING THE PERFORMANCE OF THE WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY THE CONTRACTING OFFICERS REPRESENTATIVE IMMEDIATELY IF SIGNIFICANT DISCREPANCIES OR OMISSIONS ARE DISCOVERED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY CONTRACTING OFFICERS REPRESENTATIVE OF ALL DISCREPANCIES IF ANY, FOUND PRIOR TO PLACEMENT OF ANY COMPONENTS.
- THE CONTRACTOR WILL TAKE ALL NECESSARY PRECAUTIONS INCLUDING THE BUILDING AND MAINTENANCE OF DUST TIGHT PARTITIONS, DAILY VACUUMING, SWEEPING, AND PROVISION OF CLEAN FLOOR MATS AT THE PROJECT ENTRANCES, TO PREVENT THE INFILTRATION OF DIRT AND DUST FROM THE CONSTRUCTION AREAS INTO THE OWNER OCCUPIED AREAS.
- IF THE PROJECT AREA AND AREAS AFFECTED BY THE PROJECT INCLUDE EXISTING EQUIPMENT SURFACES, FINISHES, MATERIALS, ETC., NOT TO BE REMOVED, THE CONTRACTOR MUST PROTECT THIS EQUIPMENT FROM DUST DEBRIS, DAMAGES, ETC. THE CONTRACTOR MUST ALSO CLEAN THESE ITEMS/SURFACES TO THE ORIGINAL CONDITION FOUND AT THE START OF THE PROJECT PRIOR TO FINAL INSPECTION.
- PATCH ALL FINISHES WHERE DISTURBED BY THE WORK AND WHERE UNFINISHED SURFACES HAVE BEEN EXPOSED BY DEMOLITION. PATCHING MUST MATCH ADJACENT MATERIALS, COLORS, AND FINISHES. WALL SURFACES THAT ARE PATCHED SHALL HAVE THE FINISHES (PAINT, WALL COVERING, ETC.) REFINISHED FROM CORNER TO CORNER AND FLOOR TO CEILING.
- CORRIDOR WALLS AND PLUMBING PARTITIONS SHALL BE CONSIDERED 1 HOUR FIRE / SMOKE RATED WALLS AND NEW OR EXISTING PARTITIONS MUST BE SEALED ACCORDINGLY WITH APPROVED FIRE STOPPING MATERIAL THE SAME DAY THE PARTITION IS MADE OR DISCOVERED. ALL FLOOR SLABS, WALLS, CHASIS AND STAIRWELLS SHALL BE CONSIDERED 2 HOUR RATED SEPARATIONS AND SHALL BE SEALED ACCORDINGLY IN THE MANNER LISTED HEREIN. PENETRATIONS THROUGH THE EXTERIOR WALLS SHALL BE SEALED WATER/TIGHT.
- WHENEVER EXISTING EQUIPMENT, PIPING, ETC., ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, FOUNDATIONS, ETC., UNLESS OTHERWISE NOTED OTHERWISE. AFTER REMOVAL, FLOORS, WALLS, AND CEILINGS SHALL BE FINISHED TO MATCH ADJOINING SURFACES.
- UTILITY WORK THAT WILL REQUIRE A SHUT-DOWN OF EXISTING SERVICE WILL BE DONE AT TIMES OTHER THAN NORMAL WORKING HOURS AT NO ADDITIONAL COST TO THE GOVERNMENT. WORK MUST BE SCHEDULED WITH THE CONTRACTING OFFICES REPRESENTATIVE.
- WORK THAT MUST OCCUR IN OCCUPIED AREAS OF THE MEDICAL CENTER OR DISRUPT A MEDICAL CENTER FUNCTION, WILL BE DONE AT TIMES OTHER THAN NORMAL WORKING HOURS AT NO ADDITIONAL COST TO THE GOVERNMENT. WORK MUST BE SCHEDULED WITH THE CONTRACTING OFFICES REPRESENTATIVE.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO ELIMINATE CONFLICTS AND/OR INTERFERENCES. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC., REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- CONTRACTOR SHALL NOT INSTALL PIPING, OR OTHER OBSTRUCTIONS UNDER ADJACENT HVAC EQUIPMENT THAT WILL ELIMINATE OR OBSTRUCT ACCESS TO COILS, MOTORS, VALVES, SWITCHES, PANELS, ETC.
- BEFORE THE CONTRACTOR BEGINS WORK, CONTRACTOR SHALL RECORD ANY EXISTING SYSTEM INFORMATION SUCH AS TEMPERATURE, FLOW RATE, PRESSURE, OR ANY OTHER INFORMATION NECESSARY FOR HIM TO RETURN THE AFFECTED SYSTEM TO ORIGINAL OPERATING CONDITION UNLESS OTHERWISE INDICATED. ALL SYSTEMS (HVAC, ELECTRICAL, PLUMBING, ETC.) ARE WORKING PROPERLY IN EVERY MANNER AT THE BEGINNING OF THE PROJECT. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS MUST BE SUBMITTED TO THE CONTRACTING OFFICES REPRESENTATIVE FOR REVIEW AND ACCEPTANCE BEFORE ANY DEMOLITION OR OTHER RELATED WORK CAN PROCEED.
- THERE IS NO CONTRACTOR PARKING ON HOSPITAL PROPERTY AT THE JOHN COCHRAN MEDICAL CENTER. CONTRACTOR SHALL LOAD AND UNLOAD MATERIALS IN UNRESTRICTED AREAS ONLY.
- CONTRACTOR MUST PROVIDE HIS OWN EQUIPMENT FOR MOVING OF MATERIALS, EQUIPMENT AND TRASH. THIS INCLUDES CARTS FOR REMOVAL OF DEMOLITION MATERIALS, PALLET JACKS FOR EQUIPMENT MOVING, TWO OR MORE WHEEL CARTS FOR EQUIPMENT TRANSFER, ETC. CONTRACTOR MAY NOT BORROW VA OWNED EQUIPMENT FOR THIS PURPOSE.
- SEVERE NOISE PRODUCING WORK WILL NOT BE ALLOWED DURING NORMAL WORKING HOURS AND MUST BE SCHEDULED WITH THE VA PROJECT ENGINEER FOR OTHER TIMES. THIS INCLUDES JACK-HAMMERING CONCRETE, SAW-CUTTING CONCRETE, REPETITIVE HAMMER DRILLING OF CONCRETE, ETC.
- THE VA DOES NOT PROVIDE PHONES FOR THE CONTRACTOR'S USE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COVER THE COSTS OF THE INSTALLATION OF A TEMPORARY LAND LINE PHONE. THE CONTRACTOR SHALL CONTACT THE PHONE COMPANY TO HAVE THIS PHONE INSTALLED.
- ALL CONTRACTOR PERSONNEL WHO PLAN TO WORK ON SITE MUST GET AN I.D. BADGE (NON-HV) VA PROJECT ENGINEERS TO ASSIST IN COORDINATION EFFORTS. THE POLICE WILL TAKE FINGERPRINTS AND RUN A BACKGROUND CHECK. PRIOR TO THE WORK, THE CONTRACTOR MUST NOTIFY THE VA PROJECT ENGINEER WITH A LIST OF ALL NAMES OF ANYONE WHO MAY WORK ON SITE ON THIS PROJECT.
- CONTRACTOR TO PROVIDE CONTRACTING OFFICERS REPRESENTATIVE WITH SUBMITTALS FOR ALL MATERIAL, METHODS PRIOR TO I.P. NOTIFICATION.
- DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EACH SYSTEM. BECAUSE OF THE SMALL SCALE OF DRAWINGS IT IS NOT POSSIBLE TO SHOW OR INDICATE ALL BRANCHES, OFFSETS, FITTINGS, BOXES, AND ACCESSORIES WHICH MAY BE REQUIRED.
- LOCATIONS OF NEW EQUIPMENT, PIPING, AND ASSOCIATED ITEMS ARE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD COORDINATE LOCATIONS AND ELEVATIONS FOR THE WORK, INCLUDING CONNECTIONS TO EXISTING WORK. REQUIRED OFFSETS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC., TO HAVE A COMPLETE AND FUNCTIONAL SYSTEM ARE INCLUDED IN THE SCOPE OF THE WORK. NOTIFY THE CONTRACTING OFFICERS REPRESENTATIVE IMMEDIATELY IF SIGNIFICANT DISCREPANCIES OR OMISSIONS ARE DISCOVERED THAT AFFECT PERFORMANCE OF THE WORK.
- LOCATIONS OF EXISTING DUCTWORK, ELECTRICAL, MECHANICAL, PIPING, CABLE TRAYS, ETC., ARE NOT NECESSARILY SHOWN ACCURATELY ON THE DRAWINGS. FIELD VERIFY THE LOCATIONS OF EXISTING DUCTWORK, PIPING, ETC. AFFECTING THE PERFORMANCE OF THE WORK. NOTIFY THE CONTRACTING OFFICERS REPRESENTATIVE IMMEDIATELY IF SIGNIFICANT DISCREPANCIES OR OMISSIONS ARE DISCOVERED THAT AFFECT PERFORMANCE OF THE WORK.
- THERE IS SPACE FOR ONLY ONE CONSTRUCTION MATERIAL DUMPSTER ON SITE AT THE DOCK. THE VA DOES NOT PROVIDE A DUMPSTER FOR THIS MATERIAL. CONTRACTORS WORKING AT THE JC MEDICAL CENTER SHOULD COOPERATE AND SHARE THE COST OF THE DUMPSTER.
- IF ASBESTOS INSULATION AND LEAD PAINTED HANGERS ARE REMOVED ON THIS PROJECT ALL PIPING HANGERS AND OTHER PLUMBING ITEMS THAT HAD THE LEAD PAINT & ASBESTOS INSULATION REMOVED MUST BE RE-INSULATED AND NEW HANGERS WITH MATERIALS ACCORDING TO THE SPECIFICATIONS.
- WHEN WORKING IN OCCUPIED AREAS OF THE MEDICAL CENTER THE CONTRACTOR CANNOT LEAVE TOOLS, EQUIPMENT, LADDERS, ETC., UNATTENDED WHERE THEY ARE ACCESSIBLE TO PATIENTS, STAFF, VISITORS, ETC. CEILING TILES AND CEILING ACCESS PANELS MUST ALSO BE REPLACED WHEN UNATTENDED. FOR SAFETY REASONS.
- CONTRACTOR IS MADE AWARE THAT THERE ARE NO STORAGE AREAS AVAILABLE FOR CONTRACTORS USE AT THE MEDICAL CENTER. OUTSIDE THE CONTRACTORS WORK AREA, AND ABSOLUTELY NO ACCESSIBLE STORAGE AREAS.
- WATER OR LIQUIDS MUST NOT BE ALLOWED TO COME INTO CONTACT WITH NEW OR EXISTING DRYWALL FROM CONSTRUCTION RELATED ACTIVITIES. REMOVE AND REPLACE ANY DRYWALL THAT HAS COME INTO CONTACT WITH WATER OR OTHER LIQUIDS.
- LIVE ELECTRICAL CIRCUITS ARE BURIED WITHIN THE CONCRETE FLOOR SLABS AND THERE IS NO RECORD OF THE EXACT LOCATIONS. THE CONTRACTOR SHALL X-RAY THE FLOOR WHEREVER THE CONTRACTOR PLANS ON DRILLING THROUGH THE CONCRETE FLOOR SLABS. COORDINATE WITH GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO IMMEDIATELY REPAIR ANY CIRCUIT THAT HAS BEEN CUT OR DAMAGED, INCLUDING OFF HOURS WORK.
- CONTINUITY OF ALL SERVICES TO AND FROM THE FACILITIES IN THE EXISTING BUILDING SHALL BE MAINTAINED WITHOUT INTERRUPTION, EXCEPT FOR SUCH PERIODS OF TIME WHICH THE VA MAY DESIGNATE. IF TEMPORARY CONNECTIONS, ETC. ARE NECESSARY TO ASSURE THE CONTINUITY OF SERVICE, THEY SHALL BE FURNISHED WITHOUT ADDITIONAL CHARGE TO THE V.A. AND SHALL BE REMOVED WHEN NO LONGER NECESSARY.
- ALL EXISTING PIPING MADE ABANDONED BY THIS PROJECT OR FOUND TO BE ABANDONED DURING DEMOLITION SHALL BE REMOVED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS, ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR.
- COORDINATE WITH MASTER PHASING & BID ITEM PLANS.
- COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY PARAGRAPH, SUBMITTALS. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED BY VA.

**PLUMBING GENERAL DEMOLITION NOTES:**

- THESE GENERAL DEMOLITION NOTES APPLY TO ALL DEMOLITION WORK.
- DEMOLISH PIPING, FIXTURES, AND EQUIPMENT SHOWN CROSS HATCHED.
- THESE DRAWINGS DO NOT FULLY DEPICT ALL AS-BUILT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AFFECTING THE PERFORMANCE OF THE WORK. NOTIFY THE CONTRACTING OFFICERS REPRESENTATIVE IMMEDIATELY IF SIGNIFICANT DISCREPANCIES OR OMISSIONS ARE DISCOVERED.
- CONTRACTOR SHALL USE CAUTION WHEN REMOVING PIPING, EQUIPMENT AND FIXTURES TO AVOID DAMAGE TO ELECTRICAL WIRING THAT IS TO REMAIN. NOTIFY GC AND EC IF WIRING IS FOUND ATTACHED TO PIPING.
- WHERE ITEMS ARE REMOVED, UTILITIES AND THE AREA FROM WHICH THE ITEMS HAVE BEEN REMOVED SHALL BE LEFT IN SUCH A MANNER THAT IS SAFE FOR BOTH PEOPLE AND PROPERTY ON A DAILY BASIS.
- SEE ARCHITECTURAL DRAWINGS FOR ARCHITECTURAL DEMOLITION. REFER TO MEP AND SPRINKLER DEMOLITION PLANS FOR MEP AND SPRINKLER DEMOLITION.
- THE OWNER WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY ACM (ASBESTOS CONTAINING MATERIALS, PCBs OR OTHER HAZARDOUS MATERIALS) PRESENTLY EXISTING WITHIN THE AREAS AFFECTED BY THE PROJECT SCOPE. THAT WOULD BE REQUIRED TO BE REMOVED FOR THE WORK. ABATEMENT WORK, IF REQUIRED, IS NOT PART OF THIS CONTRACT.
- PROPER COMPLIANCE WITH THE OSHA HEAVY METAL CHROMIUM STANDARD 1926.1126 SHALL BE REQUIRED FOR ALL BURNING AND CUTTING ACTIVITIES ASSOCIATED WITH THE REMOVAL OF ANY STAINLESS STEEL BUILDING MATERIALS.
- MEP DEMOLITION WORK: VERIFY EXISTING SERVICES TO REMAIN. ALL NECESSARY CARE SHALL BE TAKEN TO PREVENT DAMAGE TO REMAINING ELECTRICAL AND MECHANICAL SYSTEMS TO REMAIN. DUCTWORK, PIPING, ELECTRICAL LINES, AND PLUMBING SERVING OTHER AREAS SHALL BE PROTECTED FOR UNINTERRUPTED SERVICE TO THOSE AREAS UNLESS PRIOR WRITTEN APPROVAL IS RECEIVED FROM THE OWNER. COORDINATE ALL SUCH WORK WITH THE GENERAL CONTRACTOR AND C.O.R.
- REFER TO HA DRAWINGS AND COORDINATE FOR ANY HAZARDOUS MATERIAL REMOVAL.
- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWING AND DETAILS FOR FLOOR PATCHING.

**PLUMBING GENERAL RENOVATION NOTES:**

- THESE GENERAL NOTES APPLY TO ALL WORK.
- CONTRACTOR SHALL NOT FULLY DEPICT ALL AS-BUILT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. NOTIFY THE ENGINEER AT ONCE SHOULD A DISCREPANCY OR OMISSION BE FOUND.
- PIPING ON PLANS IS SHOWN FOR GENERAL ARRANGEMENT. SEE DETAILS FOR CONNECTIONS TO UNITS.
- SLOPE ALL SANITARY PIPES SMALLER THAN 4" AT 1/4" PER FT. AND SANITARY PIPES 4" OR LARGER AT 1/8" PER FT. UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PREVENT THE INSTALLATION OF CONDUITS, PIPING, LIGHTING OR OTHER OBSTRUCTIONS UNDER OR ADJACENT TO HVAC EQUIPMENT THAT OBSTRUCTS ACCESS TO COILS, MOTORS, VALVES, FILTERS, ETC., OR OTHER HVAC COMPONENTS NEEDING MAINTENANCE OR OPERATIONS ACCESS.
- NO PIPING SHALL BE INSTALLED IN OR ABOVE ELECTRICAL, ELEVATOR MACHINE OR GENERATOR ROOMS UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF FLOOR DRAINS WITH ARCHITECTURAL AND STRUCTURAL PLANS.
- COORDINATE PLUMBING WITH ALL MECHANICAL DUCTWORK AND PIPING AND SPRINKLER PIPING BEFORE COMMENCEMENT OF WORK.
- LOCATIONS OF NEW FIXTURES, EQUIPMENT, PIPING, AND ASSOCIATED ITEMS SHOWN ON THE DRAWINGS ARE SCHEMATIC. CONTRACTOR SHALL SEE ARCHITECTURAL PLANS AND FIELD VERIFY EXACT LOCATION AND ELEVATION OF ALL WORK. PROVIDE OFFSETS, FITTINGS, TRANSITIONS, EXTENSIONS, ETC., REQUIRED FOR A COMPLETE SYSTEM.
- NO CHANGES IN CONTRACT PRICE WILL BE ALLOWED FOR MINOR CHANGES IN LAYOUT OR LOCATION REQUIRED TO AVOID INTERFERENCES, OBSTRUCTIONS, ETC. CONTRACT PRICE CHANGES WILL BE CONSIDERED ONLY FOR CHANGES IN THE SCOPE OF THE PROJECT REQUIREMENTS. ALL SUCH SCOPE CHANGES AND PRICE REVISIONS MUST BE AUTHORIZED IN WRITING. NOTIFY THE ENGINEER AT ONCE SHOULD A DISCREPANCY OR OMISSION BE FOUND.
- THE WORK ON THIS PROJECT WILL BE PHASED. SEE THE SCHEDULE IN THE SPECIFICATIONS FOR SEQUENCE OF PHASES, HOURS OF CONSTRUCTION AND ADDITIONAL REQUIREMENTS.
- PIPING IN EXPOSED LOCATIONS SHALL BE CHROME PLATED UNLESS OTHERWISE INDICATED.
- CHROME PLATED ESCUTCHEONS SHALL BE PROVIDED AT ALL LOCATIONS WHERE PIPES PENETRATE WALLS IN EXPOSED LOCATIONS.
- PROVIDE SEISMIC BRACING AS REQUIRED.
- ALL UTILITIES SERVING EXISTING AREAS SHALL REMAIN IN SERVICE AT ALL TIMES EXCEPT FOR SHORT PERIODS OF INTERRUPTION FOR THE IN OF NEW SERVICES TO EXISTING. ALL INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, AND SHALL NOT BE SCHEDULED UNTIL NEW SERVICES ARE COMPLETE AND READY FOR FINAL CONNECTION.
- SPACES ABOVE CEILINGS ARE RETURN AIR PLENUMS UNLESS OTHERWISE INDICATED ON HVAC PLANS. PIPING AND INSULATION IN CEILING PLENUMS SHALL HAVE A FLAME SPREAD OF 25 OR LESS AND A SMOKE DEVELOPMENT RATING OF 50 OR LESS AS DETERMINED IN ACCORDANCE WITH ASTM STANDARD 84-4.
- COMPLETE LAYOUT DRAWING SHALL BE REQUIRED BY SPECIFICATIONS 220511. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED.
- DOUBLE-WYE FITTINGS ARE PROHIBITED.
- WORK OUTSIDE OF PROJECT LIMITS SHALL BE SCHEDULED WITH VA COR.

**BID ITEMS AND PROJECT PHASING:**

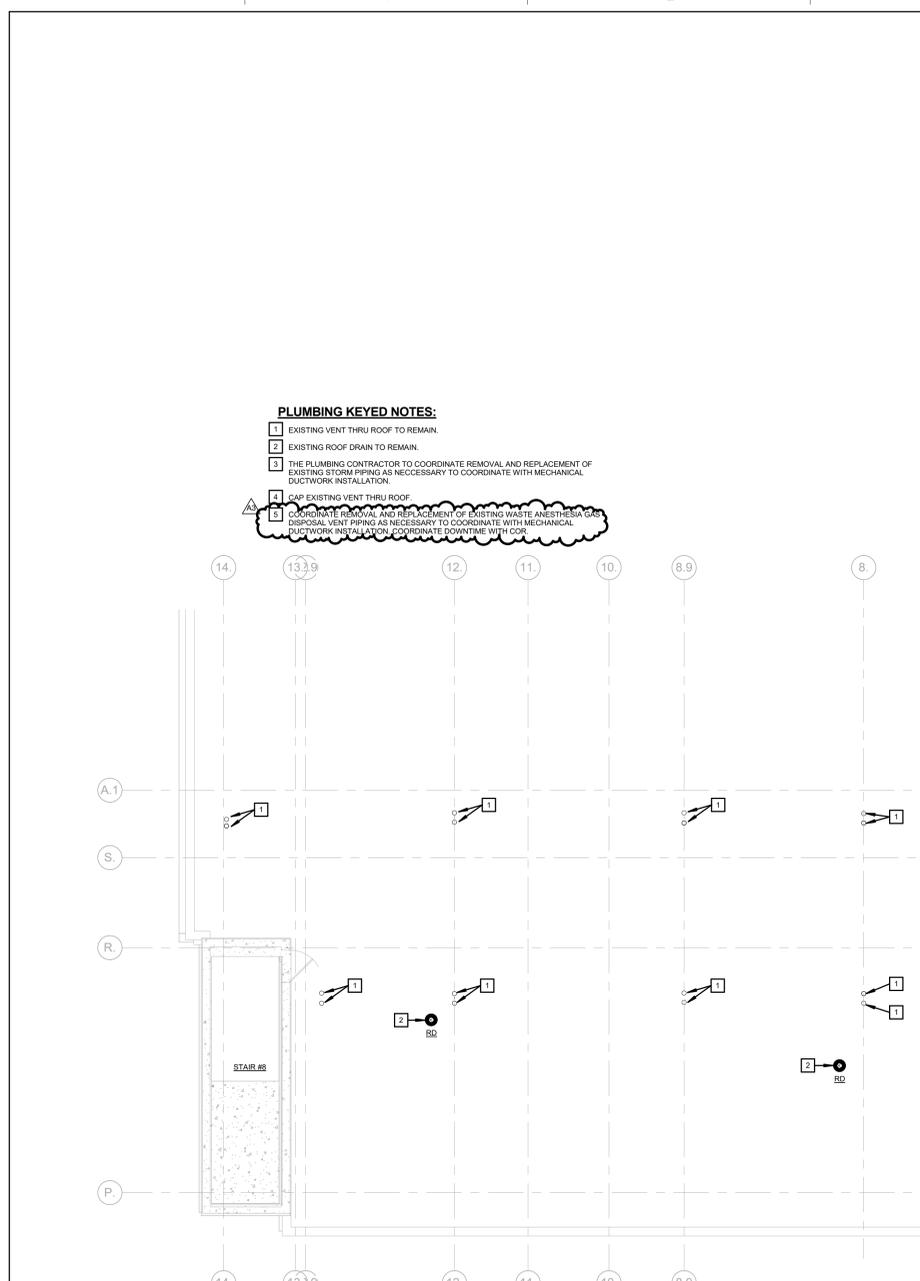
- TO MINIMIZE INTERFERENCE WITH ADJACENT SURGERY AREA, WORKING HOURS ADJACENT TO, ABOVE AND BELOW THE 4TH FLOOR SURGERY SUITE ARE RESTRICTED TO 8:00PM - 5:00PM MONDAY THROUGH FRIDAY. WEEKEND WORK IS ACCEPTABLE. THE CONTRACTOR SHALL EXPECT 2 EMERGENCY SURGERIES PER MONTH THAT WILL CAUSE AN APPROXIMATE WORK STOPPAGE OF 4 HRS. PER SURGERY WORK OUTSIDE OF THE PROJECT LIMITS SHALL BE COORDINATED WITH THE C.O.R. AND SHALL BE PERFORMED PER THE ICRA PROTOCOL. AFTER WORK IS COMPLETED THE AREA SHALL BE CLEANED BY THE CONTRACTOR AND NOTIFICATION SHALL BE GIVEN TO THE C.O.R. FOR SCHEDULING OF VA CLEANING.
- SEE SPECIFICATION SECTION 01 00 00, GENERAL REQUIREMENTS, FOR STATEMENT OF BID ITEMS.
- SEE ARCHITECTURAL DRAWINGS FOR PROJECT PHASING INFORMATION AND ARCHITECTURAL COMPOSITE PLANS.
- NOISY WORK THAT WILL INTERFERE WITH SURGERIES PERFORMED ON THE FOURTH FLOOR SHALL BE COORDINATED WITH THE C.O.R. SURGERIES GENERAL Y END AROUND 7 PM ON WEEK NIGHTS.

**PROJECT SPECIFIC NOTE:**

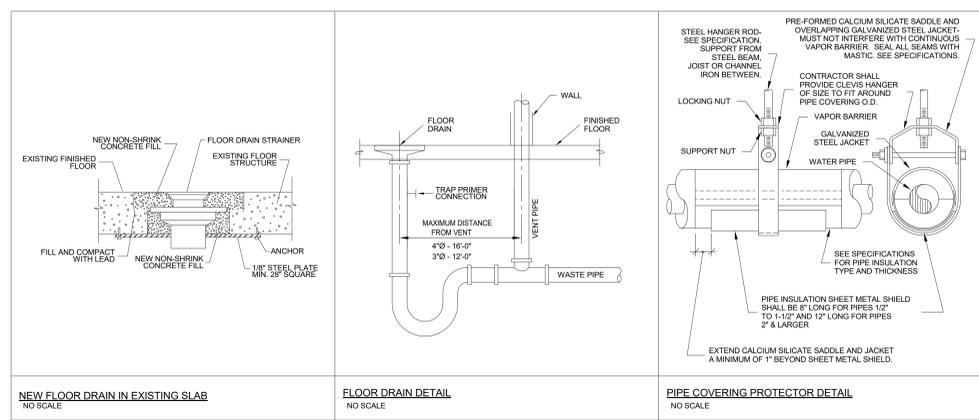
- THIS PROJECT (PHASE 2B) WILL BE CONSTRUCTED SIMULTANEOUSLY WITH A SEPARATE ADJACENT PROJECT (PHASE 2B). REFER TO SHEET 1-2B1-00-01 FOR PROJECT SPECIFIC NOTES REGARDING COORDINATION BETWEEN THE TWO CONCURRENT PROJECTS.

**PLUMBING SHEET LIST - PHASE 2B1**

1-2B1-PL-001	PLUMBING NOTES, ABBREVIATIONS, SYMBOLS AND ROOF PLAN
1-2B1-PL-101	PLUMBING PARTIAL PLANS



**PLUMBING - 6TH FLOOR/ROOF**  
1/8" = 1'-0"  
NORTH



Revisions:	Date
AS AMENDMENT A0003	06/01/16

**CONSULTANTS:**

**ARCHITECT/ENGINEERS:**

**FoxArchitects**

One Memorial Drive Suite 1800 Saint Louis, MO 63102

Tel 314.621.4343 Fax 314.621.0261

**SSC**

Swim, Schuchat, & Cornett Engineering, Inc.

15555 Chesterfield Missouri 63025 Phone 636.350.9770 Fax 636.530.7877 Missouri Certificate of Authority #NC 001244

Drawing Title	
PLUMBING NOTES, ABBREVIATIONS, SYMBOLS AND ROOF PLAN	Approved: Associate Director
	Approved: Chief Engineer
	Approved: Chief of Staff
	Approved: Infection Control

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Location	V.A.M.C. ST. LOUIS, MO JOHN COCHRAN DIVISION	Building Number	01
Date	02/24/16	Drawing Number	1-2B1-PL-001
Checked	Designer	Drawn	Author

**Veterans Health Administration**

Department of Veterans Affairs