

SEQUENCE OF WORK

INSTALLATION OF NEW OXYGEN PIPING

- PRIOR TO REMOVAL OF EXISTING OXYGEN PIPING AND INSTALLING ANY NEW "REROUTED" OXYGEN PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE RESIDENT ENGINEER AND A REPRESENTATIVE OF MEDIAL GAS SPECIALISTS, INC. (770)751-1614 AT A MINIMUM.
- SET UP STAGING AREA.
- NEW "REROUTED" OXYGEN PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING OXYGEN SYSTEM.
- PERSONNEL AND EQUIPMENT TO BE DETERMINED AT THE MEETING MENTIONED ABOVE SHALL BE IN PLACE TO BACK FEED THE AREAS REQUIRED.
- ONLY ONE (1) OXYGEN LINE SHALL BE WORKED ON AT A TIME.
- THE OXYGEN SYSTEM SHALL BE REDUCED TO ATMOSPHERIC PRESSURE.
- NEW "REROUTED" OXYGEN PIPING SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 01010.
- THE NEW "REROUTED" OXYGEN SYSTEM SHALL BE CERTIFIED AND PLACED BACK INTO SERVICE.
- ALL BACK FEED EQUIPMENT AND PERSONNEL SHALL BE RELEASED.
- THE CONTRACTOR SHALL ADVISE THE RESIDENT ENGINEER THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

INSTALLATION OF NEW MEDICAL AIR PIPING

- PRIOR TO REMOVAL OF EXISTING MEDICAL AIR PIPING AND INSTALLING ANY NEW "REROUTED" MEDICAL AIR PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE RESIDENT ENGINEER AND A REPRESENTATIVE OF MEDIAL GAS SPECIALISTS, INC. (770)751-1614 AT A MINIMUM.
- SET UP STAGING AREA.
- NEW "REROUTED" MEDICAL AIR PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING MEDICAL AIR SYSTEM.
- PERSONNEL AND EQUIPMENT TO BE DETERMINED AT THE MEETING MENTIONED ABOVE SHALL BE IN PLACE TO BACK FEED THE AREAS REQUIRED.
- ONLY ONE (1) MEDICAL AIR LINE SHALL BE WORKED ON AT A TIME.
- THE MEDICAL AIR SYSTEM SHALL BE REDUCED TO ATMOSPHERIC PRESSURE.
- NEW "REROUTED" MEDICAL AIR PIPING SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 01010.
- THE NEW "REROUTED" MEDICAL AIR SYSTEM SHALL BE CERTIFIED AND PLACED BACK INTO SERVICE.
- ALL BACK FEED EQUIPMENT AND PERSONNEL SHALL BE RELEASED.
- THE CONTRACTOR SHALL ADVISE THE RESIDENT ENGINEER THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

INSTALLATION OF NEW MEDICAL VACUUM PIPING

- PRIOR TO REMOVAL OF EXISTING MEDICAL VACUUM PIPING AND INSTALLING ANY NEW "REROUTED" MEDICAL VACUUM PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE RESIDENT ENGINEER AND A REPRESENTATIVE OF MEDIAL GAS SPECIALISTS, INC. (770)751-1614 AT A MINIMUM.
- SET UP STAGING AREA.
- NEW "REROUTED" MEDICAL VACUUM PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING MEDICAL VACUUM SYSTEM.
- PERSONNEL AND EQUIPMENT TO BE DETERMINED AT THE MEETING MENTIONED ABOVE SHALL BE IN PLACE TO BACK FEED THE AREAS REQUIRED.
- ONLY ONE (1) MEDICAL VACUUM LINE SHALL BE WORKED ON AT A TIME.
- THE MEDICAL VACUUM SYSTEM SHALL BE REDUCED TO ATMOSPHERIC PRESSURE.
- NEW "REROUTED" MEDICAL VACUUM PIPING SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 01010.
- THE NEW "REROUTED" MEDICAL VACUUM SYSTEM SHALL BE CERTIFIED AND PLACED BACK INTO SERVICE.
- ALL BACK FEED EQUIPMENT AND PERSONNEL SHALL BE RELEASED.
- THE CONTRACTOR SHALL ADVISE THE RESIDENT ENGINEER THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

INSTALLATION OF NEW STORM PIPING

- PRIOR TO REMOVAL OF EXISTING STORM DRAIN PIPING AND INSTALLING ANY NEW "REROUTED" STORM DRAIN PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE RESIDENT ENGINEER.
- SET UP STAGING AREA.
- NEW "REROUTED" STORM DRAIN PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING STORM DRAIN SYSTEM.
- ONLY THOSE STORM DRAIN PIPING WHICH CAN BE PLACED BACK IN OPERATION, WITHIN THE TIME FRAME LISTED BELOW, SHALL BE WORKED ON.
- WORK ON THE STORM DRAIN PIPING SHALL NOT BE PERFORMED DURING INCLEMENT WEATHER.
- NEW "REROUTED" STORM DRAIN LINE SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- THE NEW "REROUTED" STORM DRAIN LINE SHALL BE TESTED AND PLACED BACK INTO SERVICE.
- THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 01010.
- THE CONTRACTOR SHALL ADVISE THE RESIDENT ENGINEER THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

INSTALLATION OF NEW DOMESTIC COLD WATER PIPING

- PRIOR TO REMOVAL OF EXISTING DOMESTIC COLD WATER PIPING AND INSTALLING ANY NEW "REROUTED" DOMESTIC COLD WATER PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE RESIDENT ENGINEER.
- SET UP STAGING AREA.
- NEW "REROUTED" DOMESTIC COLD WATER PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING DOMESTIC COLD WATER PIPING.
- TO CUTTING INTO THE EXISTING DOMESTIC COLD WATER PIPING.
- ONLY ONE (1) DOMESTIC COLD WATER LINE SHALL BE WORKED ON AT A TIME.
- THE DOMESTIC COLD WATER LINE SHALL BE DRAINED.
- NEW "REROUTED" DOMESTIC COLD WATER LINE SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- THE NEW "REROUTED" DOMESTIC COLD WATER LINE SHALL BE TESTED, DISINFECTED, AND PLACED BACK INTO SERVICE.
- THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 01010.
- THE CONTRACTOR SHALL ADVISE THE RESIDENT ENGINEER THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

INSTALLATION OF NEW DOMESTIC HOT WATER PIPING

- PRIOR TO REMOVAL OF EXISTING DOMESTIC HOT WATER PIPING AND INSTALLING ANY NEW "REROUTED" DOMESTIC HOT WATER PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE RESIDENT ENGINEER.
- SET UP STAGING AREA.
- NEW "REROUTED" DOMESTIC HOT WATER PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING DOMESTIC HOT WATER PIPING.
- TO CUTTING INTO THE EXISTING DOMESTIC HOT WATER PIPING.
- ONLY ONE (1) DOMESTIC HOT WATER LINE SHALL BE WORKED ON AT A TIME.
- THE DOMESTIC HOT WATER LINE SHALL BE DRAINED.
- NEW "REROUTED" DOMESTIC HOT WATER LINE SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- THE NEW "REROUTED" DOMESTIC HOT WATER LINE SHALL BE TESTED, DISINFECTED, AND PLACED BACK INTO SERVICE.
- THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 01010.
- THE CONTRACTOR SHALL ADVISE THE RESIDENT ENGINEER THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

INSTALLATION OF NEW SANITARY AND VENT PIPING

- PRIOR TO REMOVAL OF EXISTING SANITARY AND VENT PIPING AND INSTALLING ANY NEW "REROUTED" SANITARY AND VENT PIPING, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE RESIDENT ENGINEER.
- SET UP STAGING AREA.
- NEW "REROUTED" SANITARY AND VENT PIPING SHALL BE IN PLACE AND READY FOR CONNECTION PRIOR TO CUTTING INTO THE EXISTING SANITARY AND VENT PIPING.
- ONLY THOSE SANITARY AND VENT PIPING WHICH CAN BE PLACED BACK IN OPERATION, WITHIN THE TIME FRAME LISTED BELOW, SHALL BE WORKED ON.
- NEW "REROUTED" SANITARY AND VENT LINES SHALL BE TIED BACK INTO THE EXISTING SYSTEM.
- THE NEW "REROUTED" SANITARY AND VENT LINES SHALL BE TESTED AND PLACED BACK INTO SERVICE.
- THIS WORK SHALL BE PERFORMED DURING HOURS AS DESIGNATED IN SPECIFICATION SECTION 01010.
- THE CONTRACTOR SHALL ADVISE THE RESIDENT ENGINEER THAT THE WORK IS COMPLETE AND BACK IN SERVICE.

SANITARY RISER CONNECTION / CLEANING NOTE

- CONTRACTOR SHALL BE AWARE THAT IN PREVIOUS RENOVATIONS THE VERTICAL RISERS WERE CLOGGED WITH RUST AND DEBRIS WHEN CONNECTIONS WERE MADE. CUTTING THE RISER CAUSES RUST AND DEBRIS ON THE INSIDE WALL OF PIPING TO BREAK LOOSE AND FREE FALL DOWN THE VERTICAL RISER TO A POINT ON FLOORS BELOW WHERE THE VERTICAL RISER CHANGES DIRECTION. THE CONTRACTORS SHALL BE RESPONSIBLE FOR CLEANING ALL SUCH STOPPAGES THROUGHOUT CONSTRUCTION AND VERIFYING THAT ALL RISERS ARE CLEAN AND FULLY OPERABLE AT THE COMPLETION OF ANY WORK SHIFT WHERE CONNECTIONS ARE MADE. TYPICALLY, IT IS EXPECTED THAT FOR CONNECTIONS REQUIRED TO ACCOMMODATE 10TH FLOOR RENOVATIONS, DEBRIS WILL FALL TO THE 8TH FLOOR CEILING OFFSETS INSTALLED IN THE 9TH FLOOR RENOVATIONS COMPLETED IN 2006. CLEANOUTS ARE CURRENTLY INSTALLED IN THE 8TH FLOOR CEILING OFFSETS AND THE CONTRACTOR SHALL USE THE EXISTING CLEANOUTS FOR REMOVING OR WASHING OUT DEBRIS.
- WHEN CONNECTIONS ARE MADE IN THE 7TH FLOOR CEILING TO ACCOMMODATE 8TH FLOOR RENOVATIONS, DEBRIS WILL FALL TO THE 6TH, 4TH, AND/OR 3RD FLOOR CEILING HORIZONTAL RISER OFFSETS.
- WHEN CONNECTIONS ARE MADE IN THE 6TH FLOOR CEILING TO ACCOMMODATE 7TH FLOOR RENOVATIONS, DEBRIS WILL FALL TO THE 4TH, AND/OR 3RD FLOOR CEILING HORIZONTAL RISER OFFSETS.
- PRIOR TO CONNECTION TO ANY RISER, CONTRACTOR SHALL VERIFY THE LOCATION OF THE HORIZONTAL RISER OFFSET ON THE VERTICAL RISER. CONTRACTOR SHALL BE PREPARED TO ACCESS AND CLEANOUT STOPPAGES AT SUCH OFFSETS IN CASE STOPPAGES OCCUR FROM FALLING DEBRIS.
- CONTRACTOR SHALL RUN WATER IN EACH RISER UTILIZING FIXTURES ABOVE TO VERIFY RISER IS CLEAN AND FLOWING UPON COMPLETION OF EACH TIE IN. IF ANY STOPPAGE OCCURS, CONTRACTOR SHALL IMMEDIATELY ACCESS CLEANOUT OR REMOVE PIPING OFFSET, CLEAN PIPING AND RESTORE PIPING TO OPERABLE CONDITION. CLEANING SHALL BE ACCOMPLISHED DURING SPECIFIED OUTAGE TIMES AS DESCRIBED IN THE PHASING PLAN.

LEGEND

PLUMBING PIPING SYMBOLS

	PIPE, DEMOLITION TO BE REMOVED
	FIXTURE OR EQUIPMENT, DEMOLITION TO BE REMOVED
	DOMESTIC COLD WATER, COLD WATER
	DOMESTIC HOT WATER, HOT WATER
	DOMESTIC HOT WATER RETURN, HOT WATER RETURN
	REVERSE OSMOSIS WATER
	MEDICAL AIR
	OXYGEN
	MEDICAL VACUUM
	DRAIN
	CONDENSATE DRAIN
	VENT, SANITARY
	SOIL, WASTE, OR SANITARY SEWER
	SANITARY SEWER, BELOW GRADE
	STORM WATER, BELOW GRADE

GENERAL PLUMBING SYMBOLS

	DIRECTION OF FLOW
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	WATER HAMMER ARRESTOR
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
	HOSE BIBB
	NON-FREEZE WALL HYDRANT
	FLOOR DRAIN
	SHOWER DRAIN
	HUB DRAIN
	PLUGGED TEE
	WALL CLEANOUT
	PUMP
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	LIMIT OF DEMOLITION

PLUMBING VALVE SYMBOLS

	CHECK VALVE
	BALL VALVE
	TEST PLUG (PRESSURE/TEMPERATURE)
	BALANCING VALVE
	VALVE ON RISER

SPECIALITIES PLUMBING SYMBOLS

	LOCKED OPEN IN LINE VALVE
	LOCKED CLOSED IN LINE VALVE
	LOCAL ALARM PANEL
	VALVE BOX RECESSED
	PRESSURE AND VACUUM TRANSDUCER SWITCH
	MAIN LINE GAUGE
	MEDICAL AIR OUTLET DISS TYPE
	OXYGEN OUTLET DISS TYPE
	MEDICAL VACUUM INLET DISS TYPE
	THERMOMETER
	FLOW METER
	PRESSURE SENSOR
	TEMPERATURE SENSOR


PLUMBING ABBREVIATIONS

A/E	ARCHITECT / ENGINEER	IPC	INTERNATIONAL PLUMBING CODE
AC	ABOVE CEILING	KW	KILOWATT
AFF	ABOVE FINISH FLOOR	KWH	KILOWATT-HOUR
AG	AIR GAP	MA	MEDICAL AIR
AP	ACCESS PANEL	MAX	MAXIMUM
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AIR CONDITIONING ENGINEERS	MBH	1000 BTUH
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MED	MEDICAL
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	MV	MEDICAL VACUUM
BF	BELOW FLOOR	NC	NORMALLY CLOSED
BG	BELOW GRADE	NTS	NOT TO SCALE
CD	CONDENSATE DRAIN	OX	OXYGEN
CFM	CUBIC FEET PER MINUTE	PDI	PLUMBING AND DRAINAGE INSTITUTE
DCWS	DOMESTIC COLD WATER SUPPLY	PG	PRESSURE GAGE
DFU	DRAINAGE FIXTURE UNITS	PSI	POUNDS PER SQUARE INCH
DHW	DOMESTIC HOT WATER RETURN	PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
DHW	DOMESTIC HOT WATER SUPPLY	PSIG	POUNDS PER SQUARE INCH GAGE
DN	DOWN	QTY	QUANTITY
DWG	DRAWING	RP	RECIRCULATION PUMP
E	EXISTING	SD	STORM DRAIN
F	FAHRENHEIT	SS	SANITARY SEWER
FIP	FEMALE IRON PIPE	SCFM	STANDARD CUBIC FOOT/MINUTE
FCO	FLOOR CLEANOUT	TYP	TYPICAL
FD	FLOOR DRAIN	V	VENT
FU	FIXTURE UNITS	VAC	VACUUM
GAL	GALLON	VS	VENT STACK
GPF	GALLONS PER FLUSH	VTR	VENT THROUGH ROOF
GPH	GALLONS PER HOUR	W	WASTE
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
H&CW	HOT AND COLD WATER	WH	WALL HYDRANT
HB	HOSE BIBB	WHA	WATER HAMMER ARRESTOR
HD	HUB DRAIN	WSFU	WATER SUPPLY FIXTURE UNITS
HP	HORSEPOWER		
HYD	HYDRANT		

CONTRACTOR GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE NOT TO BE SCALED. FIELD VERIFY ALL DIMENSIONS, PIPE SIZES, AND INVERTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF ALL PLUMBING FIXTURES AND EQUIPMENT.
- COORDINATE PIPE ROUTING WITH DUCT ROUTING, EQUIPMENT LOCATIONS, ELECTRICAL INSTALLATIONS, AND BUILDING STRUCTURAL MEMBERS. OFFSET PIPING WHERE REQUIRED TO AVOID CONFLICTS. AVOID PENETRATING ANY MAIN STRUCTURAL BEAM. NOTIFY COR OF ANY CONFLICTS.
- CONTRACTOR SHALL REMOVE AND REPAIR/RESTORE ALL PENETRATIONS, HOLES, VOIDS, HOLLOWES, DEPRESSIONS, DIPS, DENTS, INDENTS, CAVITIES, CONCAVITIES, PITS, TROUGHS, DIMPLES, CLEFTS, NICKS, NOTCHES, GROOVES, IMPRESSIONS, IMPRINTS, MARKS, RECESSES, BAYS, INLETS, AND ANY COVES IN FLOORS, CEILINGS, AND WALLS AND/OR SLABS AFFECTED BY PLUMBING MODIFICATIONS OR WHICH ARE DISCOVERED DURING DEMOLITION BACK TO THE ORIGINAL BASE MATERIAL OR BETTER COMPLYING WITH WATER TIGHT OR FIRE RETARDANT CONDITIONS REPAIR SURFACES TO MATCH EXISTING UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
- WHERE CHASES ARE NOT PRESENT, CONNECT VENT PIPING TOGETHER IN CEILING SPACE IF POSSIBLE TO AVOID CUTTING THROUGH STUDS.
- PRIOR TO PERFORMING ANY PLUMBING WORK OR PURCHASING ANY MATERIALS VERIFY EXACT LOCATION, ROUTING, AND PIPE SIZES, ETC. OF ALL EXISTING WASTE, DRAIN, VENT, DOMESTIC WATER SUPPLY AND RETURN PIPING.
- PROVIDE CLEANOUT(S) AS REQUIRED BY INTERNATIONAL PLUMBING CODE, LOCAL CODE, BOTTOM OF STACKS, AND WHERE HORIZONTAL SANITARY SEWER PIPING CHANGES DIRECTION OVER 45°.
- NEW 2" SANITARY SEWER PIPING SHALL BE SLOPED A MINIMUM OF TWO PERCENT, ONE-QUARTER INCH PER FOOT. NEW 3" AND 4" SANITARY SEWER PIPING SHALL BE SLOPED A MINIMUM OF ONE PERCENT, ONE-EIGHTH INCH PER FOOT.
- ALL HORIZONTAL STORM DRAINAGE PIPING SHALL BE INSULATED.
- ALL DOMESTIC COLD WATER SUPPLY, DOMESTIC HOT WATER SUPPLY, AND DOMESTIC HOT WATER RETURN, PIPING SHALL BE INSULATED.

Order Plans

<p>Revisions:</p>	<p>Date:</p>	<p>CONSULTANT</p> <p>CLARK NEXSEN</p> <p>440 Martin Luther King Jr. Blvd Macon, GA 31201 478.743.8415 Fax: 478.743.8239 www.clarknexsen.com</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>TOLAND MIZELL MOLNAR</p> <p>590 MEANS STREET NW STE. 200 ATLANTA, GA 30316</p>	<p>STAMP</p> 	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>LEGENDS, ABBEVIATIONS, GENERAL NOTES, AND DETAILS</p> <p>Approved: Project Director</p>	<p>Phase</p> <p>FINAL SUBMITTAL</p> <p>FULLY SPRINKLERED</p>	<p>Project Title</p> <p>RENOVATE GERIATRIC-MED-PSYCH INPATIENT 5TH FLOOR</p> <p>Location</p> <p>Atlanta VA Medical Center - Atlanta, Ga.</p> <p>Issue Date</p> <p>06-07-2019</p>	<p>Project Number</p> <p>508-17-101</p> <p>Building Number</p> <p>Bldg C: Main Tower</p> <p>Drawing Number</p> <p>P-001</p>
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