



GENERAL NOTES

1. EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM SITE SURVEYS AND EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. NOT ALL PIPES, DUCTS, WIRING, ETC. HAVE BEEN SHOWN.
2. UNLESS NOTED OTHERWISE, WHERE WORK REQUIRES PATCHING OF WALLS OR FLOORS THAT WILL REMAIN, THE CONTRACTOR WHOSE WORK CAUSES DAMAGE OR CREATES OPENINGS IS RESPONSIBLE FOR PATCHING AS REQUIRED TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING AND FINISH.
3. REMOVE AND REINSTALL EXISTING CEILINGS FOR DEMOLITION OF EXISTING PLUMBING AND INSTALLATION OF NEW WHERE PLUMBING WORK OCCURS OUTSIDE GENERAL CONSTRUCTION AREA. MATCH EXISTING CEILING CONSTRUCTION TYPE. IF ANY DAMAGE OCCURS TO CEILING THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS.
4. THIS CONTRACTOR SHALL COORDINATE EXACT PIPE ROUTING WITH ALL OTHER UTILITIES PRIOR TO INSTALLATION.
5. ALL PLUMBING RELOCATION AND SHUT-DOWNS THAT WILL INTERRUPT SERVICE TO OCCUPIED AREAS BEYOND THE LIMITS OF CONSTRUCTION SHALL BE COMPLETED START TO FINISH (INCLUDING DEMOLITION, ASBESTOS ABATEMENT, NEW PIPING INSTALLATION, RELOCATION, ETC.) IN IMMEDIATE SUCCESSION TO LIMIT UNOCCUPANCY TO THE COTR. WORK IN NON-PATIENT ROOMS SHALL START AFTER NORMAL BUSINESS HOURS TO MINIMIZE DISRUPTIONS. COORDINATE SHUT-DOWN TIME WITH COTR. NOTIFY COTR (2) WEEKS IN ADVANCE OF ALL UTILITY INTERRUPTIONS.
6. WHERE WORK EXTENDS BEYOND THE CONSTRUCTION LIMITS OF THE RENOVATED AREA, THIS CONTRACTOR SHALL CONFORM TO INFECTION CONTROL REQUIREMENTS AS NECESSARY TO PERFORM THE INDICATED WORK IN THAT AREA.
7. ALL ABANDONED PLUMBING PIPING AND FIXTURES SHALL BE REMOVED, WHETHER SHOWN OR NOT, BY PLUMBING CONTRACTOR. DEMOLITION DRAWINGS ARE INTENDED TO SHOW SCOPE OF WORK FOR PRICING BUT MAY NOT SHOW EVERYTHING TO BE REMOVED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING UTILITIES TO ALL EXISTING AREAS WHERE THOSE AREAS ARE TO REMAIN OCCUPIED. EXTEND AND MAINTAIN TEMPORARY UTILITIES TO ALL EXISTING UTILITIES TO REMAIN. COORDINATE ALL TEMPORARY UTILITIES WITH THE COTR AND INFECTION CONTROL REPRESENTATIVE. DEMOLITION OF UTILITIES TO OCCUR IN PHASES IN ORDER TO MAINTAIN SERVICE TO OCCUPIED AREAS.
9. CONTRACTOR SHALL COORDINATE EQUIPMENT CONNECTIONS WITH EQUIPMENT DRAWINGS AND SUPPLIER. INSTALL EQUIPMENT AND MAKE FINAL CONNECTIONS, FURNISHING CUTOFF VALVES, P-TRAPS, P.R.V.s, AND PIPING AS REQUIRED.
10. FIXTURES, EQUIPMENT AND CONNECTIONS, AND PIPING SHALL BE FURNISHED AND INSTALLED TO MEET OR EXCEED STATE AND LOCAL CODES AND REQUIREMENTS.
11. FURNISH AND INSTALL SHOCK ARRESTORS IN COLD WATER LINES AT CONNECTIONS TO FLUSH VALVES AND QUICK CLOSING VALVES AND AT ALL HOT AND COLD WATER CONNECTIONS TO FIXTURES.
12. PLUMBING VENTS AND STACKS THROUGH ROOF SHALL BE INSTALLED A MINIMUM OF 25'-0" CLEAR OF A/C OUTSIDE AIR INTAKES, CLINICAL AIR COMPRESSOR INTAKES, OR WINDOWS IN STRUCTURE.
13. NON PRE-FABRICATED SHOWERS LOCATED ABOVE SLAB ON GRADE SHALL HAVE WATERPROOFING MEMBRANES INSTALLED AS PER SPECIFICATIONS. PLUMBING CONTRACTOR SHALL CLOSELY COORDINATE WITH GENERAL CONTRACTOR TO PROHIBIT CONFLICT BETWEEN WATERPROOFING MEMBRANE INSTALLATION REQUIREMENTS AND STRUCTURAL INSTALLATION METHODS.
14. AT EACH FLOOR DRAIN INSTALLED ABOVE SLAB ON GRADE INSTALL A WATERPROOFING MEMBRANE AS PER SPECIFICATIONS. PLUMBING CONTRACTOR SHALL CLOSELY COORDINATE WITH GENERAL CONTRACTOR TO PROHIBIT CONFLICT BETWEEN WATERPROOFING MEMBRANE INSTALLATION REQUIREMENTS AND STRUCTURAL INSTALLATION METHODS.
15. VENT AND WASTE STACKS LESS THAN THREE (3) INCHES SHALL NOT BE ROUTED THROUGH ROOF. PROVIDE INCREASERS ON LINES BELOW ROOF.
16. PENETRATIONS THROUGH PARTITIONS AND FLOORS SHALL BE SEALED TO MAINTAIN INTEGRITY OF PARTITION AND FLOOR RATING.
17. DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES WITH EXISTING CONDITIONS AND WITH ALL OTHER TRADES.
18. ORIENT FLUSH VALVE HANDLES ASSOCIATED WITH BARRIER-FREE WATER CLOSETS ON WIDE SIDE OF STALL TO COMPLY WITH ADA REQUIREMENTS.
19. FLUSH VALVE CONTROLS FOR WATER CLOSETS SHALL BE LOCATED NO HIGHER THAN 44" ABOVE FINISHED FLOOR.
20. FLUSH VALVE CONTROLS FOR URINALS SHALL BE MOUNTED BETWEEN 28" & 44" ABOVE FINISHED FLOOR.
21. PROVIDE INSULATION KIT FOR SUPPLIES, DRAIN PIPING AND TRAP FOR ALL HANDICAP ACCESSIBLE LAVATORIES AND SINKS. INSULATION KIT SHALL BE EQUAL TO TRUEBRO MODEL 103 (WHITE). WHERE PROTECTIVE SKIRT UNDER FIXTURES IS PROVIDED, INSULATION OF PIPING IS NOT REQUIRED.

PLUMBING DEMOLITION NOTES

1. CONTRACTOR SHALL REMOVE EXISTING SERVICES SUCH AS WATER, WASTE, AND VENT PIPING SERVING FIXTURES AND/OR CONNECTIONS TO EQUIPMENT, WHICH ARE SHOWN ON THE DRAWINGS TO BE REMOVED OR RELOCATED. PERMANENTLY SEAL AND CAP SERVICES NEXT TO MAIN SERVICE LINES ABOVE CEILINGS, IN WALLS, OR BELOW FLOORS. EXISTING PLUMBING FIXTURES AND RELATED ITEMS WHICH ARE TO BE REMOVED SHALL BE SUBMITTED TO THE OWNER. ITEMS THE OWNER WISHES TO RETAIN SHALL BE DELIVERED TO STORAGE WHERE DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO RETAIN SHALL BE LEGALLY DISPOSED.
2. DRAWINGS SHOW KNOWN EXISTING SERVICES IN REASONABLE PROXIMITY. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS.
3. EXISTING FIXTURES, EQUIPMENT, SERVICES, AND CONNECTIONS WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REWORKED OR REPLACED AS REQUIRED TO PROVIDE ORIGINAL OPERATION.
4. PENETRATIONS THROUGH EXISTING PARTITIONS AND FLOORS SHALL BE SLEEVED AND SEALED TO MAINTAIN INTEGRITY OF EXISTING PARTITIONS AND FLOOR RATING.
5. EXISTING PLUMBING SERVICES NOT SHOWN ON DRAWINGS SHALL REMAIN AS IS, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL COORDINATE THE INTERRUPTION OF EXISTING SERVICES WITH THE OWNER, PRIOR TO CONSTRUCTION.
7. EXISTING FIXTURES, EQUIPMENT CONNECTIONS, AND SERVICE LINES SHALL BE VERIFIED FOR EXACT LOCATIONS AND SIZE. IF DEVIATIONS ARE FOUND, CONTRACTOR SHALL BRING THEM TO THE ARCHITECT'S ATTENTION FOR COORDINATION.

AUTOMATIC SPRINKLER NOTES

1.	THE BUILDING IS CURRENTLY SPRINKLERED. THE CONTRACTOR SHALL REWORK EXISTING SPRINKLER HEADS AND PIPING IN REMODELED AREA TO ACCOMMODATE REVISED PARTITIONS/ WALLS AS REQUIRED BY RENOVATION. SYSTEM SHALL BE DESIGNED IN FULL ACCORDANCE WITH NFPA 13 AND LOCAL CODES AND REQUIREMENTS. CONTRACTOR SHALL MATCH EXISTING PIPING MATERIAL AND HEADS.
2.	CONTRACTOR SHALL INSTALL AN INSPECTOR'S TEST AND DRAIN LINE FOR AUTOMATIC SPRINKLER SYSTEM. ROUTE DRAIN LINE TO OUTSIDE OF BUILDING. INSTALL AS PER NFPA 13 AND LOCAL CODES AND REQUIREMENTS.

QUALITY ASSURANCE

1. COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY PARAGRAPH. SUBMITTALS. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED.

FIXTURE CONNECTION SCHEDULE						
MARK	FIXTURE DESCRIPTION	COLD WATER	HOT WATER	DRAIN	VENT	COLD WATER SUPPLY
P-528	SINK (CRS. SINGLE COMPARTMENT)	3/4"	3/4"	1 1/2"	1 1/2"	
****	****	****	****	****	****	
****	****	****	****	****	****	

95% SUPPLY

ARCHITECT/ENGINEERS:	DRAWING TITLE
<p align="center"><u>COX DESIGN ASSOCIATES</u></p> <p align="center">ARCHITECTURE PLANNING INTERIORS</p>	<p align="center">PLUMBING & SCHEDULES</p>
<p>CHICAGO 345 N. Canal Street Suite 701 Chicago, Illinois 60606 T: 312.454.9434 F: 312.454.9439</p>	<p align="center">AUSTIN 5121 Bee Cave Road #203 Austin, Texas 78746 T: 512.327.1149 F: 512.327.7679</p>
	<p>Location</p> <p align="center">CLEMENT J. MILWAUKEE</p>

Sheet List	
Sheet Number	Sheet Name
PL-001	PLUMBING LEGENDS, INDEX, NOTES, SCHEDULES AND DETAILS
PD-101	SECOND FLOOR DEMOLITION - PLUMBING
PL-201	SECOND FLOOR NEW - PLUMBING
PD-101A	SECOND FLOOR DEMOLITION - PLUMBING BID ALTERNATE #2

PLUMBING LEGEND					
NOT ALL SYMBOLS MAY BE USED					
SYMBOL	ABB.	DESCRIPTION	SYMBOL	ABB.	DESCRIPTION
		SAN. WASTE/VENT STACK NO. 1			PIPE TURN DOWN
		STACK SIZE			PIPE TURN UP
		ACID WASTE/VENT STACK NO. 1			BALL VALVE FRONT VIEW
	VTR	STACK SIZE			BALL VALVE TOP VIEW
		VENT THRU ROOF			GATE VALVE FRONT VIEW
		STORM DOWNSPOUT NO. 1			GATE VALVE TOP VIEW
		STACK SIZE			CHECK VALVE FRONT VIEW
		FIRE RISER NO. 1			CHECK VALVE TOP VIEW
		RISER SIZE			BALANCING VALVE
		MEDICAL GAS OUTLET		PRV	PRESSURE REDUCING VALVE FRONT VIEW
		AREA ALARM PANEL		PRV	PRESSURE REDUCING VALVE TOP VIEW
		ZONE VALVE BOX			SOLENOID VALVE
		MASTER ALARM PANEL			STRAINER
		NEW PLUMBING FIXTURE			REDUCER
		EXISTING PLUMBING FIXTURE			GAGE
	CW	DOMESTIC COLD WATER			THERMOMETER
	CW	DOM. COLD WATER (BELOW GROUND)			CAP/PLUG
	CW HP	DOMESTIC COLD WATER HIGH PRESSURE			CLEANOUT (ABOVE CEILING)
		TRAP PRIMER			UNION
	DI	DEIONIZED WATER SUPPLY		CW	COLD WATER
	DIR	DEIONIZED WATER RETURN		HW	HOT WATER SUPPLY
		REVERSE OSMOSIS WATER		HWR	HOT WATER RETURN
	HW	DOMESTIC HOT WATER SUPPLY		W	WASTE LINE (BELOW SLAB)
	HWR	DOMESTIC HOT WATER RETURN		S	SANITARY (ABOVE SLAB)
	HW 140	DOMESTIC HOT WATER 140 SUPPLY		V	VENT
	HWR 140	DOMESTIC HOT WATER 140 RETURN		SW	STORM WATER
	AV	ACID VENT		SSD	SUB-SURFACE DRAIN
	AW	ACID WASTE		F	FIRE
	GW	GREASE WASTE		AS	AUTOMATIC SPRINKLER
	GV	GREASE VENT		AV	ACID VENT
	W	SANITARY WASTE (ABOVE GROUND)		AW	ACID WASTE
	W	SANITARY WASTE (BELOW GROUND)		GW	GREASE WASTE
	V	SANITARY VENT		D	DRAIN LINE
	SW	STORM WATER		A	MEDICAL AIR
	SW	STORM WATER (BELOW GROUND)		V	VACUUM
	OD	OVERFLOW DRAIN		N2	NITROGEN
	DW	DECONTAM WASTE		N2O	NITROUS OXIDE
	G	NATURAL GAS		O2	OXYGEN
	F	FIRE MAIN		WAGD	WASTE ANESTHESIA GAS DISPOSAL
	A/S	AUTOMATIC SPRINKLER SYSTEM		CO2	CARBON DIOXIDE
	DPSS	DRY PIPE SPRINKLER SYSTEM			PIPE TURN DOWN
	PA	PRE-ACTION SPRINKLER SYSTEM			PIPE TURN UP
	D	FIRE DRAIN			

INDEXES, INDEX, NOTES, AND DETAILS	Project Name 111 RENOVATE X-RAY 5			Project Number 695-12-195	
				Date 02.14.13	
LOCKI VA MEDICAL CENTER				Drawing Number PL-001	
	Building Number 111	Checked DLH	Drawn DAC	Dwg. of	

