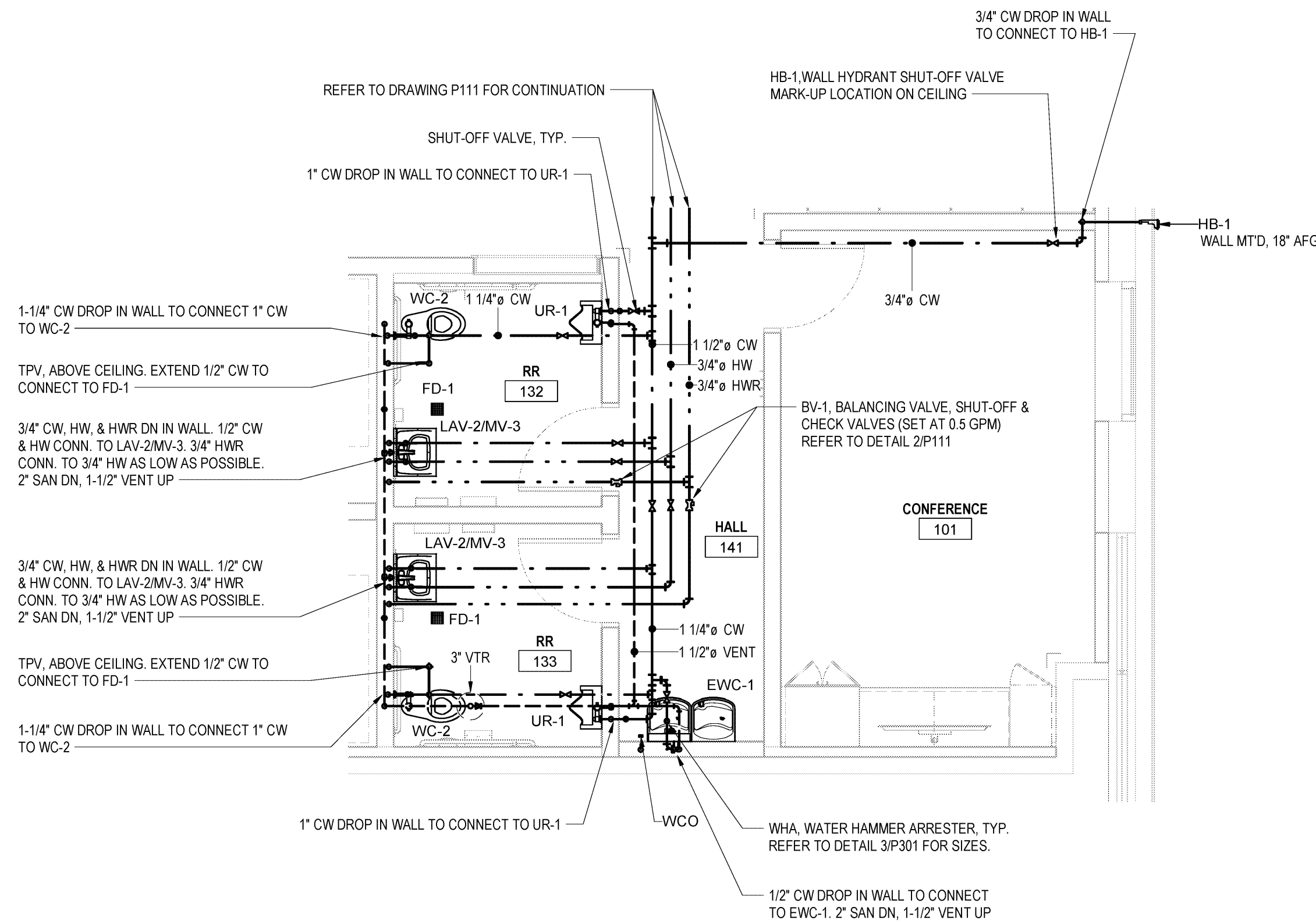


1 ENLARGED PLAN - PLUMBING (RR 123, RR 124 & BREAK ROOM 125)

SCALE: 1/4" = 1'-0"



2 ENLARGED PLAN - PLUMBING (RR 132 & RR 133, CONFERENCE 101)

SCALE: 1/4" = 1'-0"

GENERAL PLUMBING NOTES

- A. THIS PROJECT WAS DESIGNED UNDER 2018 VIRGINIA PLUMBING CODE WITH LOCAL AMENDMENTS.
- B. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- C. COORDINATE WITH THE WORK OF OTHER TRADES, EQUIPMENT FURNISHED BY GC, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE PIPE RISES, DROPS, AND OFFSETS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY CONSTRUCTION MANAGER OF DISCREPANCIES BEFORE STARTING WORK.
- D. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS, ETC. AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- E. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY AND THE AUTHORITY HAVING JURISDICTION. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- F. PROVIDE WATER HAMMER ARRESTERS THROUGHOUT WATER SYSTEMS PER MANUFACTURER'S REQUIREMENTS.
- G. PROVIDE BACKFLOW PREVENTION DEVICES IN WATER LINES FEEDING PLUMBING FIXTURES AND/OR EQUIPMENT, AS SHOWN ON PLANS AND ELSEWHERE AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
- H. CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY PRIOR TO ALL LOCALLY REQUIRED DEVICES IS LESS THAN 65 PSIG STATIC, CONTACT CONSTRUCTION MANAGER. IF PRESSURE EXCEEDS 80 PSIG STATIC, PROVIDE PRESSURE REDUCING VALVE.
- I. SUSPEND HORIZONTAL SERVICE PIPING FROM UNDERSIDE OF ROOF STRUCTURE, UNLESS OTHERWISE INDICATED. PIPING AND EQUIPMENT SHALL NOT BE SUPPORTED OR ATTACHED TO ROOFING DECK. INSTALL PIPING ABOVE THE BOTTOM CHORD OF JOIST IN AREAS OPEN TO STRUCTURE. INSTALL WATER PIPING ABOVE CEILING. COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION. ALL SHUT-OFF VALVES SHALL BE INSTALLED @ 12" MAXIMUM IN CEILING SPACE TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. EXTEND PIPING DOWN IN WALLS, PARTITIONS, AND CHASES TO SERVE FIXTURES AND EQUIPMENT. UNLESS NOTED OTHERWISE ALL VERTICAL PIPING DROPS/RISERS TO FIXTURE FAUCETS SHALL BE CONCEALED IN THE WALLS, CASEWORK, ETC.
- J. ALL WATER LINES SHALL BE PROVIDED WITH SHUT-OFF VALVES. PLACE VALVES IN ALL MAIN RISERS, HORIZONTAL BRANCHES TO GROUPS OF TWO OR MORE FIXTURES, TO EACH APPLIANCE/EQUIPMENT AND SILLCOCK (HOSE BIBB) AS INDICATED ON PLUMBING DRAWINGS AND REQUIRED.
- K. USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLENUM. MATERIALS USED IN THE PLENUM SHALL HAVE FLAME SPREAD RATING NOT TO EXCEED 25, AND SMOKE DEVELOPED RATING NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84. ALL EXPOSED WIRING IN THE PLENUM SHALL BE PLENUM RATED. FIELD VERIFY EXISTING CONDITIONS MEET THIS CRITERIA.
- L. ATTENTION IS CALLED TO ROUGH-IN REQUIREMENTS FOR FIXTURES INSTALLED IN CASEWORK FURNISHED BY GC. THE CONTRACTOR SHALL PROVIDE ROUGH-INS OUT OF WALL/FLOOR WITH ENOUGH LENGTH TO ALLOW FOR SUPPLY STOPS AND WASTE TO HAVE ESCUTCHEONS AT THE REAR BACKING OF THE CASEWORK AND NOT AT THE WALL ACCESSIBLE THROUGH FIELD CUT HOLES IN THE CASE WORK BACKING.
- M. WHERE A FLOOR DRAIN/SINK IS INSTALLED ADJACENT TO EQUIPMENT FOR DRAINING PURPOSES, THE EXACT LOCATION OF THE FLOOR DRAIN/SINK SHALL BE COORDINATED IN THE FIELD WITH INSTALLED PIECE OF EQUIPMENT. EXACT ELEVATION OF FLOOR DRAINS/SINKS SHALL BE COORDINATED IN THE FIELD WITH FINISHED FLOOR LEVELS AND SLOPES.
- N. ALL INVERT ELEVATIONS NOTED ARE FROM TOP OF THE SLAB. MINIMUM STARTING SANITARY INVERT FOR ANY LATERAL BRANCH DRAIN SHALL BE MINIMUM -(1'-6") BELOW TOP OF THE SLAB.
- O. ALL INDIRECT DRAINS SHALL HAVE 45 DEGREE CHAMFER CUT AT OUTLET.
- P. ALL SHUT-OFF VALVES, BALANCING VALVES, WATER HAMMER ARRESTERS, TRAP PRIMER VALVE SHALL BE ACCESSIBLE.
- Q. PROVIDE ALL RELATED SIGNAGE PRIOR TO COMPLETION OF THE PROJECT.

PLUMBING LEGEND			
---	DOMESTIC COLD WATER (CW)	GALV	GALVANIZED
---	DOMESTIC HOT WATER (HW)	GPF	GALLONS PER FLUSH
---	DOMESTIC HOT WATER RETURN (HWR)	GPH	GALLONS PER HOUR
FP	FIRE PROTECTION SERVICE (FP)	GPM	GALLONS PER MINUTE
G	GAS LINE (G)	HVAC	HEATING, VENTILATION AND AIR CONDITIONING
CD	CONDENSATE DRAIN LINE (CD)	HP	HORSEPOWER
---	PLUMBING VENT (VENT)	HZ	HERTZ
---	SANITARY WASTE (SAN) - BELOW SLAB/GRADE	ID	INSIDE DIAMETER
---	SANITARY WASTE (SAN) - ABOVE SLAB/GRADE	LB	POUND
ST	STORM SEWER (ST) - BELOW SLAB/GRADE	MAX	MAXIMUM
OD	OVERFLOW STORM DRAIN (OD) - ABOVE GRADE	MTD	MOUNTED
O	PIPE TURNING UP/DOWN	MIN	MINIMUM
	BALL VALVE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	BACKFLOW PREVENTER (BFP)	NPT	NOMINAL PIPE THREAD
(M)	METER	NRS	NON RISING STEM
?	FIXTURE IDENTIFICATION	OA	OUTDOOR AIR
?	PLAN NOTE	OD	OVERFLOW DRAIN
▶	FLOW DIRECTION ARROW	OS&Y	OPEN STEM AND YOKE
AFF/BFF	ABOVE/BELOW FINISHED FLOOR	PSI	POUNDS PER SQUARE INCH
AGA	AMERICAN GAS ASSOCIATION	PVC	POLYVINYL CHLORIDE
AHJ	AUTHORITY HAVING JURISDICTION	REQ'D	REQUIRED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	RD	ROOF DRAIN
CFH	CUBIC FEET PER HOUR	RI	ROUGH-IN
CO	CLEANOUT	RPM	REVOLUTIONS PER MINUTE
DN	DOWN	RTU	ROOFTOP UNIT
DWV	DRAIN WASTE AND VENT	SPEC'S	SPECIFICATION
(E)	EXISTING	SF	SQUARE FEET
EA	EACH	TPV	TRAP PRIMER VALVE
ETC	ETCETERA	TYP	TYPICAL
F	FAHRENHEIT	T&P	TEMPERATURE AND PRESSURE
FD	FLOOR DRAIN	UH	UNIT HEATER
FCO	FLOOR CLEANOUT	VTR	VENT THROUGH ROOF
FU	FIXTURE UNIT	WCO	WALL CLEANOUT
GC	GENERAL TRADES CONTRACTOR	WC	WATER COLUMN
GCO	GRADE CLEANOUT		

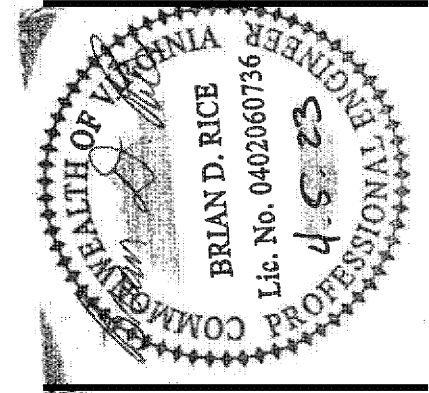
NOTE: THIS PROJECT MAY NOT USE EVERY SYMBOL, ABBREVIATION OR DEVICE APPEARING ON THIS LEGEND.

PLUMBING FIXTURE ROUGH-IN SCHEDULE

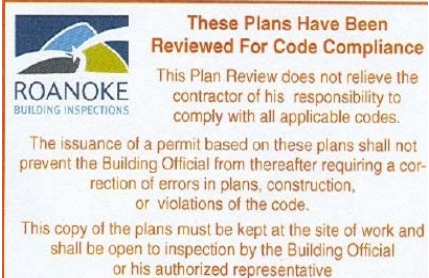
FIXTURE	CW	HW	SAN	VENT	REMARKS
WATER CLOSET (FLUSH VALVE)	1-1/4"	-	4"	2"	NOTE 3
URINAL (FLUSH VALVE)	1"	-	2"	1-1/2"	NOTE 3
LAVATORY	1/2"	1/2"	1-1/4" TRAP	1-1/2"	NOTES 1,2,3
COUNTERTOP SINK	1/2"	1/2"	1-1/2" TRAP	1-1/2"	NOTES 1,2,3
EYE WASH	1/2"	1/2"	-	-	NOTE 3,4
ELECTRIC WATER COOLER	1/2"	-	1-1/2" TRAP	1-1/2"	NOTES 1,2,3
FLOOR DRAIN/FLOOR SINK	-	-	3" / 4" TRAP	2"	NOTE 3
HOSE BIBB	3/4"	-	-	-	-
MOP BASIN	3/4"	3/4"	3" TRAP	1-1/2"	NOTE 3
UTILITY BOX	1/2"	-	-	-	-
SIZES ARE MINIMUM BRANCH SIZE TO FIXTURE					

NOTES:

- SANITARY RISER UP IN WALL TO FIXTURE SHALL BE A MINIMUM OF 2".
- 1/2" CW & HW APPLIES ONLY TO THE FINAL VERTICAL RISE-DROP TO EACH FIXTURE. BRANCH PIPING TO VERTICAL RISE-DROP SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.
- SIZES SHOWN ARE MINIMUMS. SIZES SHOWN ON THE DRAWINGS THAT ARE LARGER THAN THE SIZES LISTED IN THE SCHEDULE SHALL DICTATE THE ROUGH-IN SIZE.
- 1/2" CW & HW TO EYEWASH MIXING VALVE, 1/2" TEPID WATER FROM MIXING VALVE TO EYEWASH.



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Approved by Tommy Hahn
04/12/2023 7:43:15 AM

BioLife® PLASMA SERVICES

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Project No.: 20474
Drawn By: IEU
Date: 2022-11-18 Issue: FOR PERMIT
2023-02-24 3 ITC 2
2023-04-03 5 ITC 4

P121

ENLARGED PLANS -
PLUMBING