PLUMBING SPECIFICATIONS

1.0 GENERAL
1.1. CONTRACTOR: The contractor shall provide a full range of services for the construction of the plumbing system as specified in the drawings and specifications. The contractor shall be responsible for the design and installation of the system, including the provision of all materials and labor necessary to complete the work.

2.0 PLUMBING SYSTEMS
2.1. WATER SUPPLY: The water supply system shall be designed and installed in accordance with the provisions of the National Plumbing Code. All water supply lines shall be properly labeled and protected from damage by other trades.

3.0 DRAINAGE SYSTEMS
3.1. DRAINAGE SYSTEMS: The drainage system shall be designed and installed in accordance with the provisions of the National Plumbing Code. All drainage lines shall be properly labeled and protected from damage by other trades.

4.0 MUNICIPAL SEWER CONNECTIONS
4.1. MUNICIPAL SEWER CONNECTIONS: The contractor shall provide all necessary connections to the municipal sewer system, including the installation of all necessary valves and fixtures.

5.0 PLUMBING FIXTURES
5.1. PLUMBING FIXTURES: The contractor shall provide all necessary plumbing fixtures, including toilets, sinks, and showers, in accordance with the specifications provided by the owner.

6.0 PLUMBING MATERIALS
6.1. PLUMBING MATERIALS: All plumbing materials shall be selected and approved by the owner's representative prior to installation.

7.0 PLUMBING SUBMITTS
7.1. PLUMBING SUBMITS: All plumbing submittals shall be reviewed and approved by the owner's representative prior to installation.

8.0 PLUMBING INSPECTIONS
8.1. PLUMBING INSPECTIONS: The contractor shall provide all necessary inspections, including final inspections, in accordance with the provisions of the National Plumbing Code.

9.0 PLUMBING COMMISSIONING
9.1. PLUMBING COMMISSIONING: The contractor shall provide all necessary commissioning, including final commissioning, in accordance with the provisions of the National Plumbing Code.

10.0 PLUMBING WARRANTIES
10.1. PLUMBING WARRANTIES: The contractor shall provide all necessary warranties, including final warranties, in accordance with the provisions of the National Plumbing Code.

11.0 PLUMBING VENDOR PROFILES
11.1. PLUMBING VENDOR PROFILES: The contractor shall provide all necessary vendor profiles, including final vendor profiles, in accordance with the provisions of the National Plumbing Code.

12.0 PLUMBING QUALITY CONTROL
12.1. PLUMBING QUALITY CONTROL: The contractor shall provide all necessary quality control measures, including final quality control measures, in accordance with the provisions of the National Plumbing Code.

13.0 PLUMBING SAFETY
13.1. PLUMBING SAFETY: The contractor shall provide all necessary safety measures, including final safety measures, in accordance with the provisions of the National Plumbing Code.

14.0 PLUMBING TRAINING
14.1. PLUMBING TRAINING: The contractor shall provide all necessary training, including final training, in accordance with the provisions of the National Plumbing Code.

15.0 PLUMBING RECORDS
15.1. PLUMBING RECORDS: The contractor shall provide all necessary records, including final records, in accordance with the provisions of the National Plumbing Code.

16.0 PLUMBING INSURANCE
16.1. PLUMBING INSURANCE: The contractor shall provide all necessary insurance, including final insurance, in accordance with the provisions of the National Plumbing Code.

17.0 PLUMBING LIABILITY
17.1. PLUMBING LIABILITY: The contractor shall provide all necessary liability measures, including final liability measures, in accordance with the provisions of the National Plumbing Code.

18.0 PLUMBING LEGAL
18.1. PLUMBING LEGAL: The contractor shall provide all necessary legal measures, including final legal measures, in accordance with the provisions of the National Plumbing Code.

19.0 PLUMBING ENVIRONMENT
19.1. PLUMBING ENVIRONMENT: The contractor shall provide all necessary environmental measures, including final environmental measures, in accordance with the provisions of the National Plumbing Code.

20.0 PLUMBING RESEARCH
20.1. PLUMBING RESEARCH: The contractor shall provide all necessary research, including final research, in accordance with the provisions of the National Plumbing Code.

21.0 PLUMBING INNOVATION
21.1. PLUMBING INNOVATION: The contractor shall provide all necessary innovation measures, including final innovation measures, in accordance with the provisions of the National Plumbing Code.

22.0 PLUMBING INNOVATION
22.1. PLUMBING INNOVATION: The contractor shall provide all necessary innovation measures, including final innovation measures, in accordance with the provisions of the National Plumbing Code.
DEMOlITION NOTES:

1. EQUIPMENT AND PIPING LOCATIONS SHOWN FROM BEST AVAILABLE INFORMATION. CONSTRUCTION SHALL FIELD VERIFY SIZES AND LOCATIONS.
2. EQUIPMENT THAT IS BEING REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE. OWNER SELECTED EQUIPMENT wiLL be REMOVED BY CONTRACTOR TO OWNER'S STORAGE OR SITE.
3. FIELD VERIFICATION OF EQUIPMENT TO BE REMOVED TO BE COMPLETED PRIOR TO COMMENCING WORK.
4. OWNER'S SELECTED EQUIPMENT SHALL BE REMOVED AT CONSTRUCTION'S EXPENSE AND STORED ON-SITE.
5. OWNER'S SELECTED EQUIPMENT TO BE REMOVED BY CONTRACTOR TO OWNER'S STORAGE.

PLUMBING DEMOLITION PLAN

1. EQUIPMENT AND PIPING LOCATIONS SHOWN FROM BEST AVAILABLE INFORMATION. CONSTRUCTION SHALL FIELD VERIFY SIZES AND LOCATIONS.
2. EQUIPMENT THAT IS BEING REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE. OWNER SELECTED EQUIPMENT wiLL be REMOVED BY CONTRACTOR TO OWNER'S STORAGE OR SITE.
3. FIELD VERIFICATION OF EQUIPMENT TO BE REMOVED TO BE COMPLETED PRIOR TO COMMENCING WORK.
4. OWNER'S SELECTED EQUIPMENT SHALL BE REMOVED AT CONSTRUCTION'S EXPENSE AND STORED ON-SITE.
5. OWNER'S SELECTED EQUIPMENT TO BE REMOVED BY CONTRACTOR TO OWNER'S STORAGE.

SHoT NOTES:

1. REMOVE EXISTING RTU AND ASSOCIATED PIPING/APPURTENANCES. REMOVE ALL EXISTING CONDENSATE DRAIN IN ITS ENTIRETY. REMOVE GAS PIPING THROUGH ROOF. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS PRIOR TO COMMENCING WORK.
2. REMOVE GAS PIPING TO BOTH GAS VALVE AND VAP FOR FUTURE USE.
GENERAL NOTES:
1. All water pipes shall be installed on the interior side of the building.
2. The cutting, cutting, and running of pipes shall be in accordance with the latest approved edition of the International Plumbing Code.
3. Contractor shall be responsible for the coordination of all plumbing rough-ins, fixtures, and equipment with architectural drawings, electrical drawings, and other trades.
4. Contractor shall be responsible for all cutting and patching as required to accommodate the work.
5. Sanitary piped work shall be Sloped: under 3" at 1/4" per foot, 3" and larger at 1/8" per foot.
6. Plumbing contractor shall coordinate routing of piping with all other trades prior to commencing work.
7. All plumbing fixtures shall be water conservation type as mandated by local building department.
8. All water closets designated as accessible shall be installed such that the actuator is operable from the wide side of the water closet.
9. Prior to installation of sewer and water pipes below grade, contractor and subcontractors shall coordinate routing with civil and foundation drawings and corresponding engineers.
10. Refer to the plumbing diagrams that apply to the work on this drawing. These diagrams provide guidance as to installation intent and do not necessarily show all components included.

SHEET NOTES:
1. 2" WASTE mat to 3" WASTE in wall. Field verify exact location, size and invert prior to commencing work.
2. 3" vent thru roof at a minimum of 10' from any fresh air intake.
3. Provide condensate pump if gravity drain is not practical.
4. Provide 2" direct drain connection to lab equipment, with P-trap.
5. Coordinate drain location with equipment representatives.
6. Provide sink with chemical neutralization kit on drain line.
7. PROVIDE CONDUIT FOR 2" WALL VENT UP IN WALL.
GENERAL NOTES:

1. All water pipes shall be installed on the exterior side of the building.
2. The plumbing contractor shall be responsible for the coordination of all plumbing fixtures and piping with the architect, engineer, and all other trades prior to commencing work.
3. Contractor shall be responsible for all cutting and patching as required to accommodate the work.
4. Sanitary drainage pipes shall be sloped: under 3" at 1/8" per foot, 3" and larger at 1/4" per foot.
5. Plumbing contractor shall coordinate routing of piping with all other trades.
6. Plumbing fixtures shall be water conservation type as mandated by local building codes and corresponding engineers.
7. All water closets designated as accessible shall be installed such that the actuator is operable from the wide side of the water closet.
8. All water lines shall be installed on the interior side of the building. These diagrams provide guidance as to installation intent and do not necessarily show all components required.

VALUE AND GAP EXISTING GAS STAB FOR FUTURE USE.

PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.

Connect new 1 1/2" CW to existing 2" CW main.
Connect new 3/4" DI water line to existing 3/4" DI water in corridor.
Connect new 1/2" CW to existing 1/2" HDPE pipe from water heater.
Connect new 1/2" CW to existing 1/2" HDPE pipe to fire hydrant.
Connect new 1/2" CW to existing 1/2" HDPE pipe to eyewash.
Connect 1/2" CW and 1/2" HW to existing 3/4" DI water in corridor.
Connect new 3/4" HW to existing 3/4" HW main downstream of water heater.
Connect new 3/4" DI water line to existing 3/4" DI water return line. Valves shall match building standards.
Connect existing 1/2" CW to 1 1/2" CW main.
Connect new 1/2" DI water down to liaison XL, attellica CH and attelica IM per manufacturers recommendations. Provide line-size check valve, balancing valve, and isolation valves on DI water return line. Valves shall match building standards.

PLUMBING - DOMESTIC WATER PLAN

Southern Nevada Health District

Las Vegas, NV 89117

May 24 2021

Sheet Name

P300

Drawn By

Date

Project Number

Checked By

DELTA NO.

REVISION NO.

DESCRIPTION

05/24/2021

Plumbing - Domestic Water Plan

Las Vegas, Nevada 89106

Project Name

MAY 24 2021

MSA #

PE

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Nevada Architectural Firm No. 3286


Sheet Notes:

1. All water pipes shall be installed on the exterior side of the building.
2. The plumbing contractor shall be responsible for the coordination of all plumbing fixtures and piping with the architect, engineer, and all other trades prior to commencing work.
3. Contractor shall be responsible for all cutting and patching as required to accommodate the work.
4. Sanitary drainage pipes shall be sloped: under 3" at 1/8" per foot, 3" and larger at 1/4" per foot.
5. Plumbing contractor shall coordinate routing of piping with all other trades.
6. Plumbing fixtures shall be water conservation type as mandated by local building codes and corresponding engineers.
7. All water closets designated as accessible shall be installed such that the actuator is operable from the wide side of the water closet.
8. All water lines shall be installed on the interior side of the building. These diagrams provide guidance as to installation intent and do not necessarily show all components required.

Value and gap existing gas stab for future use.

Plumbing contractor shall coordinate routing of piping with all other trades prior to commencing work.

Connect new 1 1/2" CW to existing 2" CW main.
Connect new 3/4" DI water line to existing 3/4" DI water in corridor.
Connect new 1/2" CW to existing 1/2" HDPE pipe from water heater.
Connect new 1/2" CW to existing 1/2" HDPE pipe to fire hydrant.
Connect new 1/2" CW to existing 1/2" HDPE pipe to eyewash.
Connect 1/2" CW and 1/2" HW to existing 3/4" DI water in corridor.
Connect new 3/4" HW to existing 3/4" HW main downstream of water heater.
Connect new 3/4" DI water line to existing 3/4" DI water return line. Valves shall match building standards.
Connect existing 1/2" CW to 1 1/2" CW main.
Connect new 1/2" DI water down to liaison XL, attellica CH and attellica IM per manufacturers recommendations. Provide line-size check valve, balancing valve, and isolation valves on DI water return line. Valves shall match building standards.