

GENERAL SHEET NOTES:

1. REFER TO P-001 FOR PLUMBING LEGEND, ABBREVIATIONS, AND GENERAL PROJECT NOTES.
2. UNLESS OTHERWISE NOTED, PLUMBING ITEMS SHOWN HEAVY SOLID (—) SHALL BE NEW.
3. COORDINATE PLUMBING PIPING/FITTURE/EQUIPMENT/ETC. LAYOUT WITH ALL OTHER TRADES TO AVOID CONFLICT.
4. AVOID ROUTING WATER PIPING OVER ELECTRICAL EQUIPMENT WHERE POSSIBLE. PROVIDE DRIP SHIELD IN LOCATIONS WHERE WATER PIPING IS ROUTED ABOVE ELECTRICAL EQUIPMENT.
5. ALL HANGERS AND SUPPORTS SHALL BE TYPE 316 STAINLESS STEEL.

SHEET KEY NOTES:

- ① NEW EMERGENCY EYEWASH/SHOWER TO BE INSTALLED AT LOCATION SHOWN PER DETAIL ON SHEET P-030 AND PER MANUFACTURER RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH OWNER AND ALL OTHER TRADES TO AVOID CONFLICT. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ② NEW ELECTRIC WATER HEATER TO BE INSTALLED AT LOCATION SHOWN PER DETAIL ON SHEET P-030 AND PER MANUFACTURER RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH OWNER AND ALL OTHER TRADES TO AVOID CONFLICT. PROVIDE 4" HIGH HOUSEKEEPING PAD. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ③ PROVIDE NEW FLOW SWITCH (GUARDIAN AP275-B15 OR EQUAL) AND INSTALL PER MANUFACTURER RECOMMENDATIONS. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ④ NEW THERMOSTATIC MIXING VALVE (GUARDIAN 6040 OR EQUAL) TO PROVIDE TEMD WATER (85°F) TO EMERGENCY FIXTURE.
- ⑤ FIELD ROUTE PLUMBING VENT AND EXTEND THROUGH ROOF.

BID ADDENDUM



JADE STONE
ENGINEERING



HAZARDOUS MATERIAL NOTE:

THE SERVICES PROVIDED BY MHE, INCLUDING ALL WORK DEPICTED ON MHE PLANS, DO NOT INCLUDE SERVICES RELATED TO THE IDENTIFICATION, CONTROLS OR HANDLING OF HAZARDOUS MATERIALS, INCLUDING SUCH MATERIALS AS ASBESTOS AND LEAD PAINT. ALL TESTING, IDENTIFICATION, ABATEMENT, CONTROLS, AND HANDLING OF HAZARDOUS MATERIALS SHALL BE UNDERTAKEN BY A HAZARDOUS MATERIAL CONSULTANT AND CERTIFIED PROFESSIONALS. IF SUCH MATERIALS HAVE BEEN IDENTIFIED, CONTRACTOR WILL COMMUNICATE DIRECTLY WITH HAZARDOUS MATERIAL PROFESSIONAL FOR THE PERFORMANCE OF ANY WORK ON OR ADJACENT TO SAID MATERIALS. IF UNIDENTIFIED MATERIALS OF CONCERN ARE ENCOUNTERED WHILE UNDERTAKING THE WORK SHOWN HEREON, CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER AND OWNER, AND SHALL OBTAIN DIRECTION FROM THE HAZARDOUS MATERIAL CONSULTANT PRIOR TO THE CONTINUATION OF WORK INVOLVING SUSPECTED MATERIAL.



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**CAESARS LANE WWTP
EXPANSION PROJECT:
PHASE 2**
145 CAESARS LN.
NEW WINDSOR, NY 12553
FOR TOWN OF NEW WINDSOR
555 UNION AVE.
NEW WINDSOR, NY 12553

**PLUMBING
FLOOR PLAN -
ATAD BUILDING**

REVISIONS		
NO.	DESCRIPTION	DATE
2	BID ADDENDUM	07/10/2025
ISSUED DATE:		10 JULY, 2025
DESIGN BY:		RRM
DRAWN BY:		CDJ
CHECKED BY:		RJK
REVIEWED BY:		RJK
SHEET NO.		

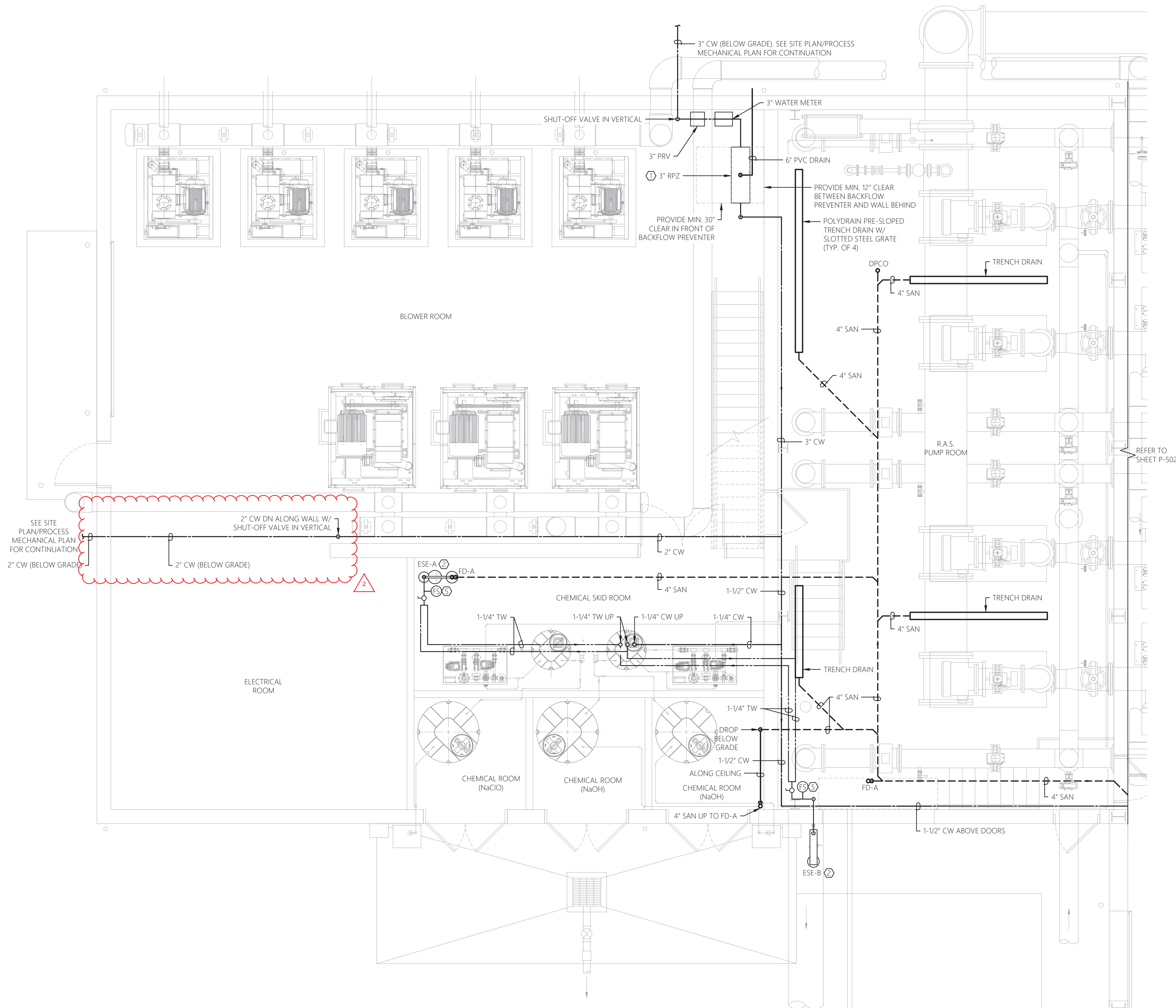
P-400

PROJECT # 18-732 PHASE #

1 PLUMBING FLOOR PLAN - NEW WORK
P-400 SCALE: 3/16" = 1'-0" ATAD BUILDING



0' 2' 4' 8' 16'
SCALE: 3/16" = 1'-0"



GENERAL SHEET NOTES:

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3. COORDINATE PLUMBING PIPING/FIXTURE/EQUIPMENT/ETC. LAYOUT WITH ALL OTHER TRADES TO AVOID CONFLICT.
4. AVOID ROUTING WATER PIPING OVER ELECTRICAL EQUIPMENT WHERE POSSIBLE. PROVIDE DRIP SHIELD IN LOCATIONS WHERE WATER PIPING IS ROUTED ABOVE ELECTRICAL EQUIPMENT.
5. ALL HANGERS AND SUPPORTS IN THE R.A.S. PUMP ROOM SHALL BE TYPE 316 STAINLESS STEEL. ALL HANGERS AND SUPPORTS IN THE CHEMICAL SKID ROOM AND CHEMICAL ROOMS SHALL BE PVC COATED.

SHEET KEY NOTES:

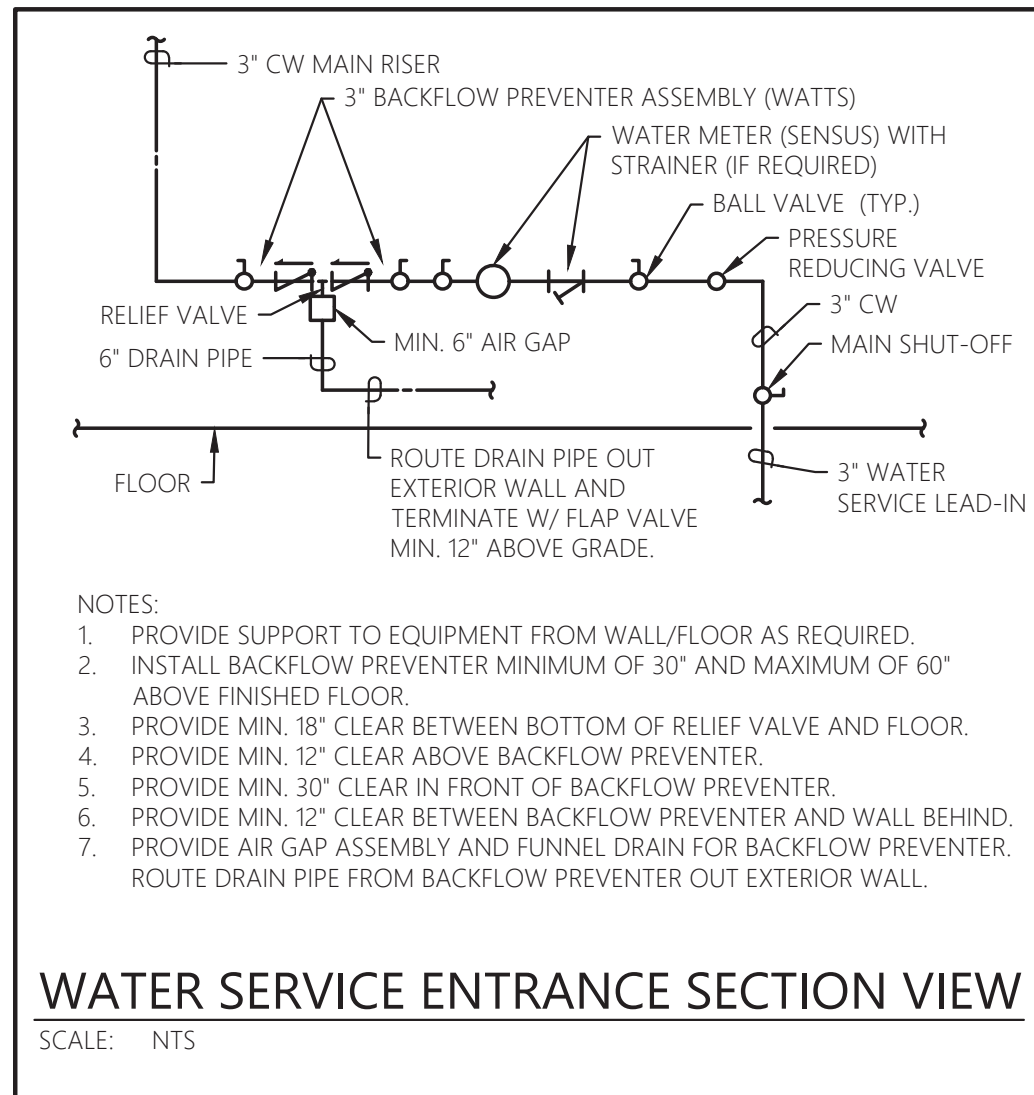
- ① NEW RPZ BACKFLOW PREVENTER (WATTS LF009) TO BE INSTALLED AT LOCATION SHOWN PER SECTION VIEW ON THIS SHEET AND PER MANUFACTURER RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH OWNER AND ALL OTHER TRADES TO AVOID CONFLICT. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ② NEW EMERGENCY EYEWASH/SHOWER TO BE INSTALLED AT LOCATION SHOWN PER DETAIL ON SHEET P-030 AND PER MANUFACTURER RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH OWNER AND ALL OTHER TRADES TO AVOID CONFLICT. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ③ NEW ELECTRIC WATER HEATER TO BE INSTALLED AT LOCATION SHOWN PER DETAIL ON SHEET P-030 AND PER MANUFACTURER RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH OWNER AND ALL OTHER TRADES TO AVOID CONFLICT. PROVIDE 4\"/>

SHEET KEY NOTES:

- ④ NEW IN-LINE CIRCULATING PUMP TO BE INSTALLED AT LOCATION SHOWN PER DETAIL ON SHEET P-030 AND PER MANUFACTURER RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH OWNER AND ALL OTHER TRADES TO AVOID CONFLICT. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ⑤ NEW FLOW SWITCH (GUARDIAN AP275-615) AND INSTALL PER MANUFACTURER RECOMMENDATIONS. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ⑥ NEW THERMOSTATIC MIXING VALVE (GUARDIAN 6040) TO PROVIDE TEPID WATER (85°F) TO EMERGENCY FIXTURE.

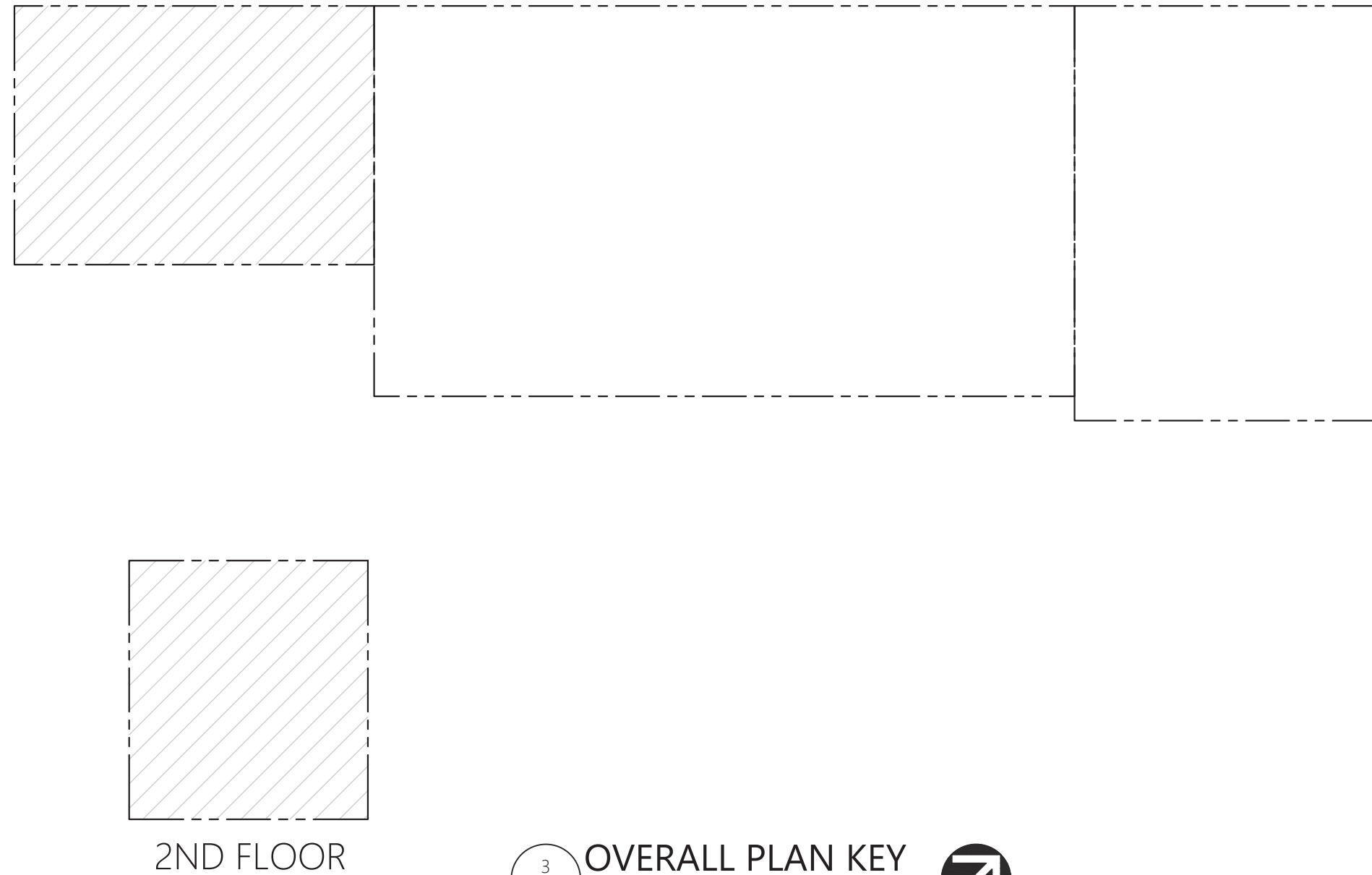
BACKFLOW PREVENTER NOTES:

1. NEW AND REPLACEMENT DEVICES MUST BE TESTED AFTER INSTALLATION AND BEFORE ENTERING SERVICE. DEVICES MUST BE TESTED ANNUALLY THEREAFTER.
2. STRAINERS ARE RECOMMENDED PRIOR TO EACH BACKFLOW DEVICE ON NON-FIRE FIGHTING LINES ONLY. NO STRAINER IS TO BE USED ON A FIRE LINE WITHOUT INSURANCE UNDERWRITER APPROVAL.
3. ASSEMBLIES SHOULD BE SPECIFIED AND INSTALLED WITH MANUFACTURER SUPPLIED VALVES.
4. WATER LINES SHOULD BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF DEVICE TO PREVENT DEBRIS FOULING THE DEVICE CHECK VALVES. DEVICES MUST BE MOUNTED HORIZONTALLY UNLESS APPROVED FOR VERTICAL INSTALLATION.
5. ASSEMBLIES SHOULD NOT BE INSTALLED IN AREAS CONTAINING CORROSIVE OR TOXIC GASES WHICH COULD RENDER THE DEVICE INOPERABLE.
6. DUE TO INHERENT DESIGN OF RPZ ASSEMBLIES, FLUCTUATING SUPPLY PRESSURE ON A LOW FLOW CONDITION MAY CAUSE NUISANCE DRIPPING. INSTALLATION OF A SOFT SEATED CHECK VALVE AHEAD OF THE RPZ WILL OFTEN HOLD PRESSURE CONSTANT DURING PERIODS OF LOW FLOW.
7. WHERE THE DISTANCE BETWEEN THE WATER METER AND DEVICE IS GREATER THAN 10 FEET, ALL EXPOSED PIPING SHOULD BE MARKED "FEED LINE TO BACKFLOW PREVENTER - DO NOT TAP" AT 5-FOOT INTERVALS.
8. ORANGE COUNTY DEPARTMENT OF HEALTH PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH BASED UPON DEVELOPMENT FACTS AND ANY NEW REGULATIONS, OR GUIDANCE, IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
9. ADEQUATE HEAT WILL BE PROVIDED TO PREVENT FREEZING AND ADEQUATE LIGHTING WILL BE PROVIDED TO FACILITATE SERVICING OF THE DEVICE.



2 PLUMBING FLOOR PLAN - NEW WORK
P-501 SCALE: 1/4\"/>

SHADED AREA SIGNIFIES CURRENT VIEW IN THE
MBR BUILDING



BID ADDENDUM



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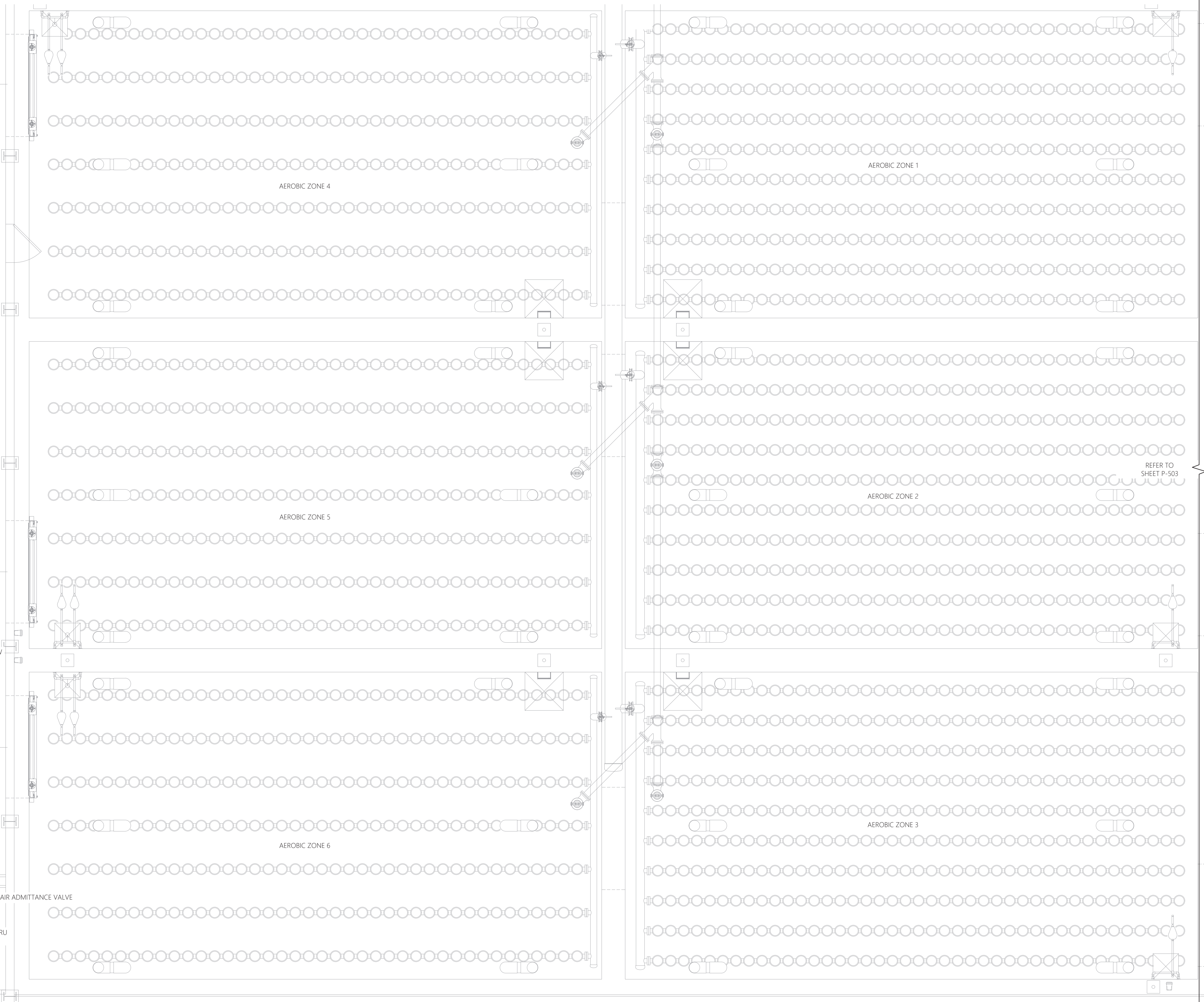
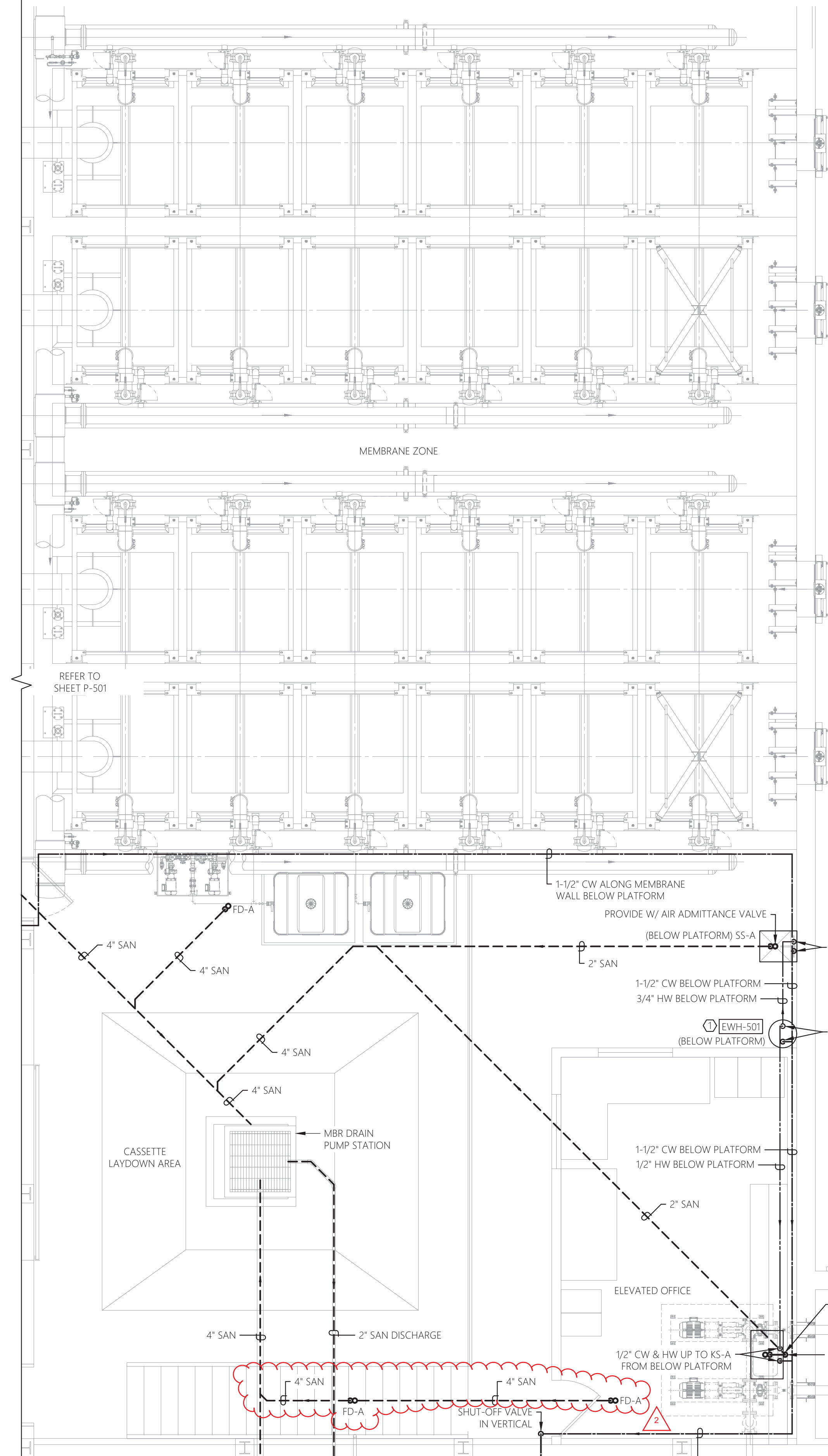
**CAESARS LANE WWTP
EXPANSION PROJECT:
PHASE 2**
145 CAESARS LN.
NEW WINDSOR, NY 12553
FOR TOWN OF NEW WINDSOR
555 UNION AVE.
NEW WINDSOR, NY 12553

**BACKFLOW
PREVENTION DEVICE
(DOMESTIC) TO SERVE
MBR, ATAD, AND
MAINTENANCE GARAGE**

REVISIONS		
NO.	DESCRIPTION	DATE
2	BID ADDENDUM	07/10/2025
ISSUED DATE: 10 JULY, 2025		
DESIGN BY: RRM		
DRAWN BY: CDJ		
CHECKED BY: RJK		
REVIEWED BY: RJK		
SHEET NO.		

P-501

PROJECT # 18-732 PHASE #



1 PLUMBING FLOOR PLAN - NEW WORK
P-502 SCALE: 1/4" = 1'-0"
MEMBRANE & AEROBIC ZONES

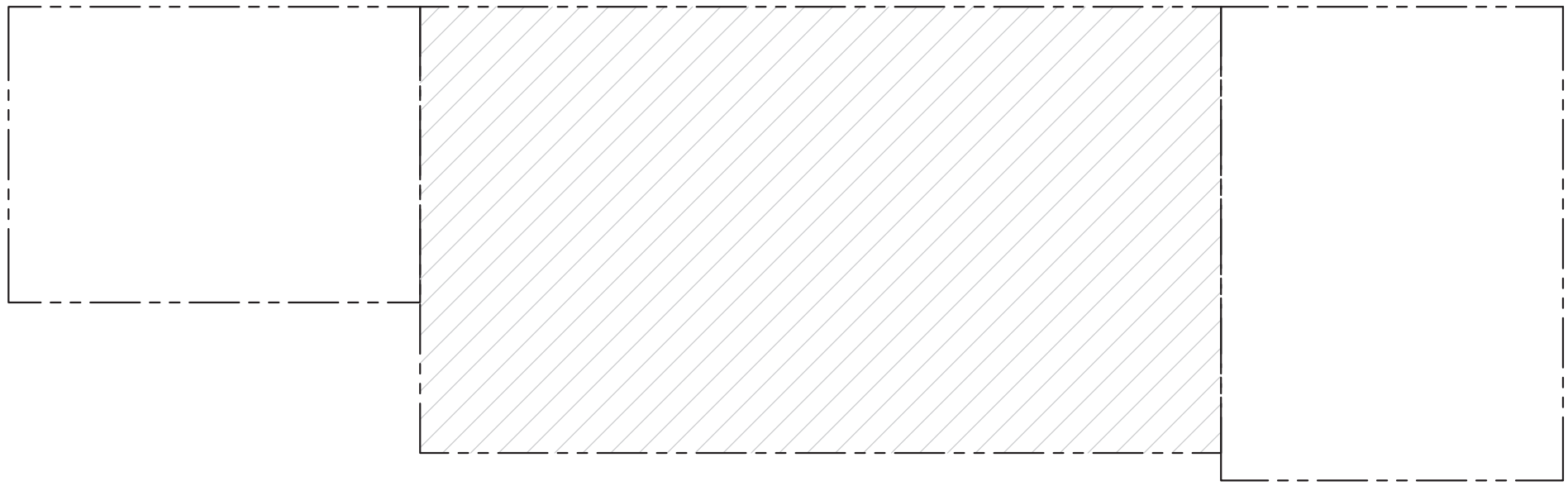
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5. ALL HANGERS AND SUPPORTS IN THE CASSETTE LAYDOWN AREA AND BELOW THE ELEVATED OFFICE/BELOW PLATFORM SHALL BE TYPE 316 STAINLESS STEEL.

SHEET KEY NOTES:

- NEW ELECTRIC WATER HEATER TO BE INSTALLED AT LOCATION SHOWN PER DETAIL ON SHEET P-030 AND PER MANUFACTURER RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH OWNER AND ALL OTHER TRADES TO AVOID CONFLICT. PROVIDE 4" HIGH HOUSEKEEPING PAD. PROVIDE ALL FITTINGS/ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

0' 2' 4' 8'
SCALE: 1/4" = 1'-0"



2ND FLOOR

SHADED AREA SIGNIFIES CURRENT VIEW IN THE MBR BUILDING

2 OVERALL PLAN KEY
P-502 SCALE: NTS
MBR BUILDING

BID ADDENDUM



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**BACKFLOW
PREVENTION DEVICE
(DOMESTIC) TO SERVE
MBR, ATAD, AND
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