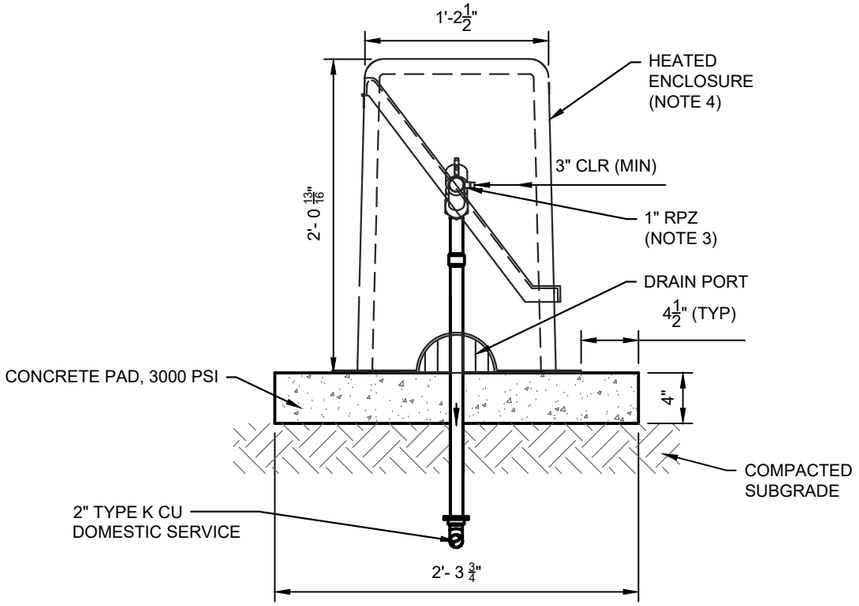
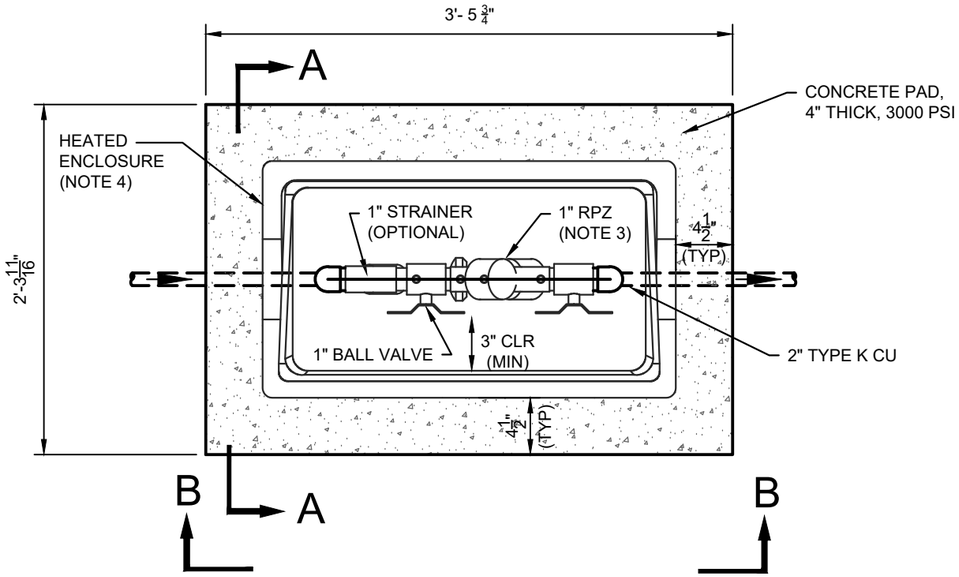
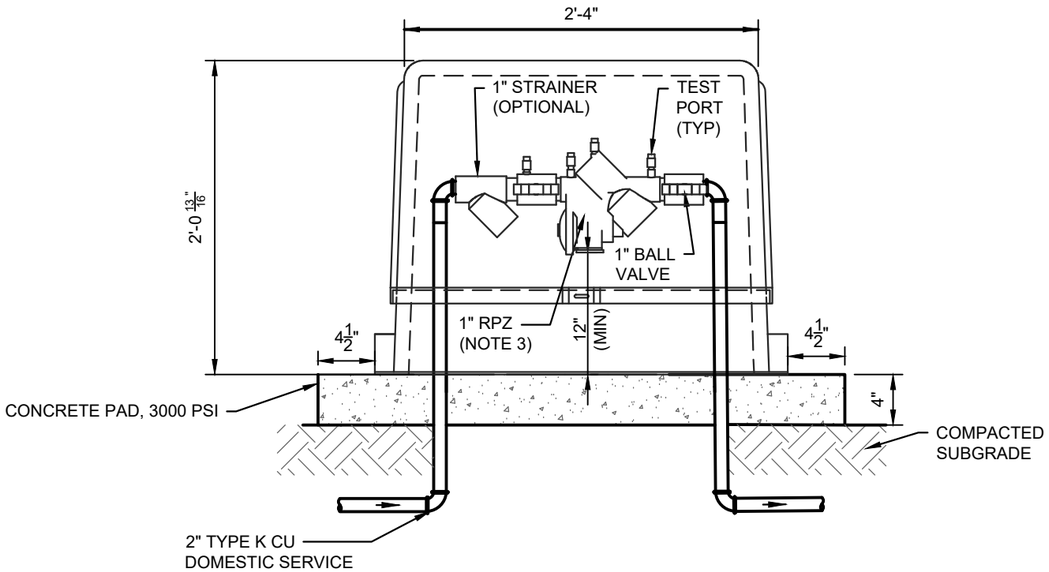


SECTION A-A



PLAN



SECTION B-B

NOTES:

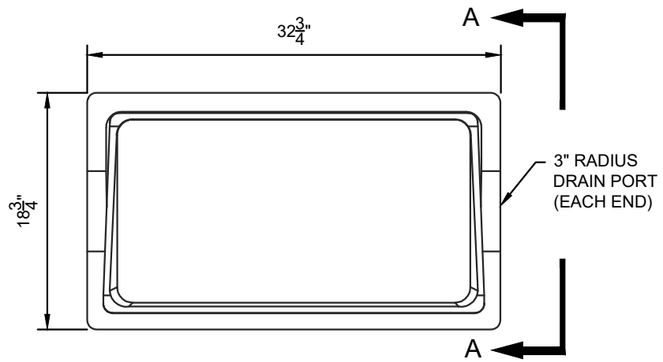
1. BACKFLOW PREVENTER ASSEMBLY SHALL NOT BE SUBJECT TO FLOODING.
2. BACKFLOW PREVENTER MUST BE INSTALLED ABOVE NATURAL GROUND, ABOVE THE 100-YEAR FLOOD LEVEL, UNLESS OTHERWISE APPROVED BY NJAW.
3. BACKFLOW PREVENTER SPECIFICATIONS BASED ON WATTS LF900 SERIES, OR EQUAL. STRAINER REQUIREMENT TO BE DETERMINED BY PLUMBER.
4. WHERE SUBJECT TO FREEZING CONDITION, THE RPZ BACKFLOW PREVENTER SHALL BE HOUSED IN A HEATED ENCLOSURE. REFER TO AW DETAIL BFP-06 FOR REQUIREMENTS.
5. WHEN RPZ IS MOUNTED IN AN ENCLOSURE, A 3" MINIMUM CLEARANCE IS REQUIRED BETWEEN VALVES/ HANDLES, AND INTERIOR FACE OF ENCLOSURE TO FACILITATE MAINTENANCE, OPERATIONS, AND TESTING. ENCLOSURE SHALL HAVE A HINGED LID THAT IS LOCKABLE.
6. DISCHARGE OF RPZ SHALL BE AT LEAST 12" ABOVE THE CONCRETE SLAB.

AMERICAN WATER ENGINEERING
1 WATER STREET
CAMDEN NJ 08102

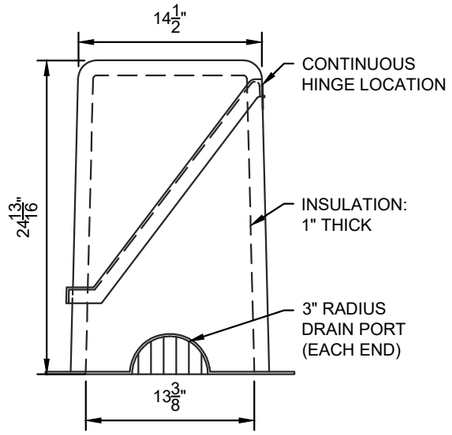
AMERICAN WATER

AMERICAN WATER STANDARD
CIVIL
METERING & BACKFLOW PREVENTION
DOMESTIC BACKFLOW PREVENTER- 1-IN. SERVICE

DATE: 20-AUG-2024	AMERICAN WATER ENGINEERING	SCALE: AS SHOWN
STANDARD DETAILS	APPROVED	BFP - 08



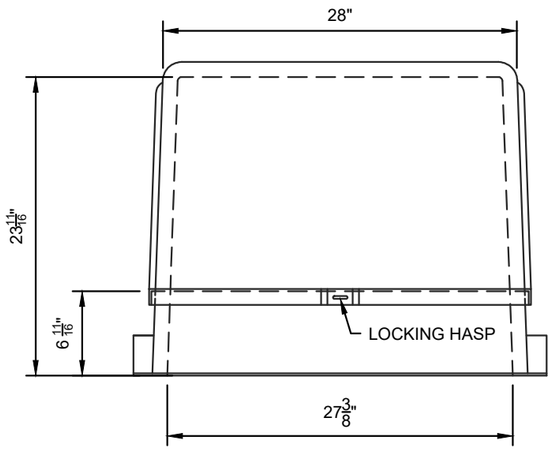
PLAN VIEW



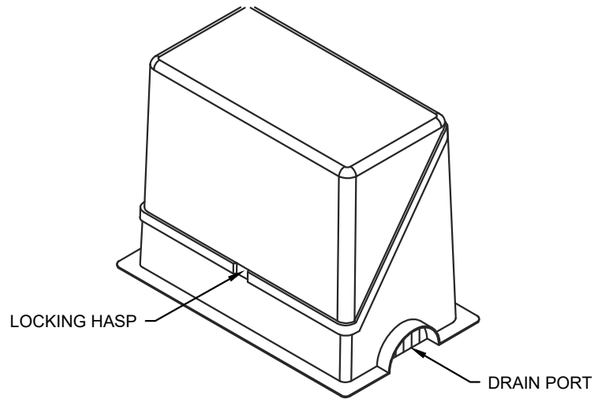
SECTION A-A

NOTES:

1. SEPERATE 20 AMP CIRCUITS (WALL MOUNTED) AND 15 AMP CIRCUITS (SELF-REGULATING CABLES) ARE RECOMMENDED, SO IN THE EVENT A CIRCUIT FAILS ALL OTHER CIRCUITS WILL REMAIN POWERED. INSTALLATIONS MUST BE IN ACCORDANCE WITH THE LOCAL AND NATIONAL CODES.
2. FOUR INTERNAL BRACKETS AND CONCRETE ANCHORS ARE TO BE SUPPLIED WITH THE ENCLOSURE (NOT SHOWN).
3. STANDARD COLOR IS BEIGE, UNLESS DIRECTED OTHERWISE BY WATER COMPANY.
4. RECOMMENDED SLAB SIZE- ADD 9" TO THE ENCLOSURE EXTERIOR DIMENSIONS. FOUR INCH (4") MINIMUM THICKNESS. INTERIOR DIMENSIONS ARE NOMINAL.
5. INSULATED HEATED ENCLOSURE CHARACTERISTICS.
   A. INSULATION - 1"TO 1-1/2" (R8) POLYISOCYANURATE FOAM
   B. HEATING SYSTEM - WALL MOUNT THERMOSTATICALLY CONTROLLED AIR FORCED ELECTRIC HEATER OR UL LISTED SELF-REGULATING CABLES AND SHALL BE UL OR ETL LISTED FOR DAMP OR WET LOCATIONS, WITH GFI RECEPTACLE, U.L. 943 NEMA 3R MOUNTED 8" (MIN.)
   C. HEATER(S) SHALL BE PROVIDED AS NECESSARY TO MAINTAIN TEMPERATURE ABOVE 40° F AT ALL TIMES.
6. ENCLOSURE MODEL HF013027023 AS MANUFACTURED BY HUBBELL, INC. OR APPROVED EQUAL.



ELEVATION



ISOMETRIC VIEW

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CAMDEN NJ 08102

AMERICAN WATER

AMERICAN WATER STANDARD
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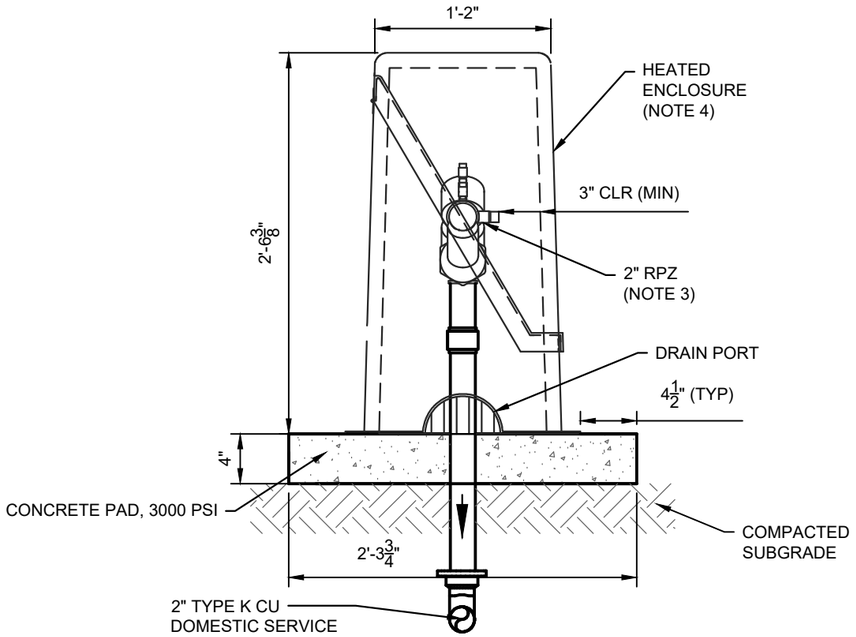
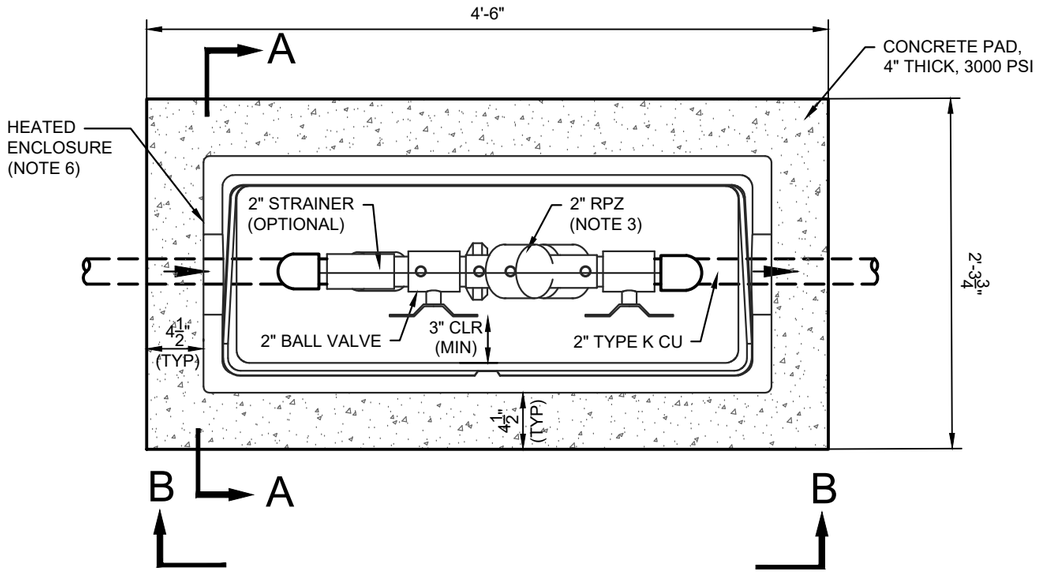
METERING & BACKFLOW PREVENTION
HEATED ENCLOSURE- 1" SERVICE

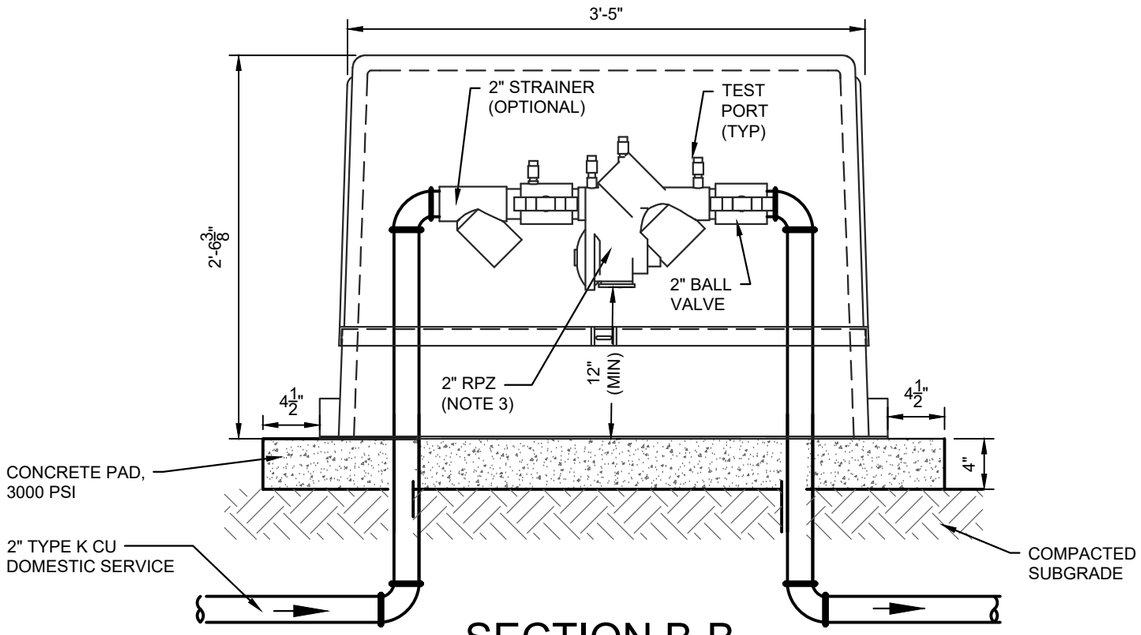
DATE: 20-AUG-2024	AMERICAN WATER ENGINEERING	SCALE: AS SHOWN
STANDARD DETAILS	APPROVED	BFP-06



SECTION A-A



PLAN



SECTION B-B

NOTES:

1. BACKFLOW PREVENTER ASSEMBLY SHALL NOT BE SUBJECT TO FLOODING.
2. BACKFLOW PREVENTER MUST BE INSTALLED ABOVE NATURAL GROUND, ABOVE THE 100 YEAR FLOOD LEVEL, UNLESS OTHERWISE APPROVED BY NJAW.
3. BACKFLOW PREVENTER SPECIFICATIONS BASED ON WATTS LF900 SERIES,OR EQUAL. STRAINER REQUIREMENT TO BE DETERMINED Y PLUMBER..
4. WHERE SUBJECT TO FREEZING CONDITION, THE RPZ BACKFLOW PREVENTER SHALL BE HOUSED IN A HEATED ENCLOSURE. REFER TO AW DETAIL BFP-07 FOR REQUIREMENTS.
5. WHEN RPZ IS MOUNTED IN AN ENCLOSURE, A 3" MINIMUM CLEARANCE IS REQUIRED BETWEEN PIPE, FITTINGS, AND INTERIOR FACE OF ENCLOSURE TO FACILITATE MAINTENANCE, OPERATIONS, AND TESTING. ENCLOSURE SHALL HAVE A HINGED LID THAT IS LOCKABLE.
6. DISCHARGE OF RPZ SHALL BE AT LEAST 12" ABOVE THE CONCRETE SLAB.

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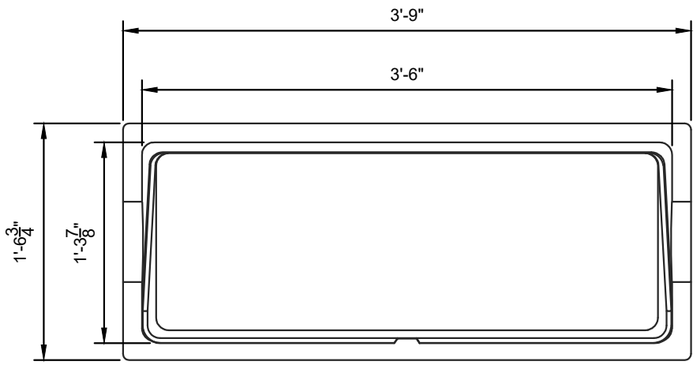
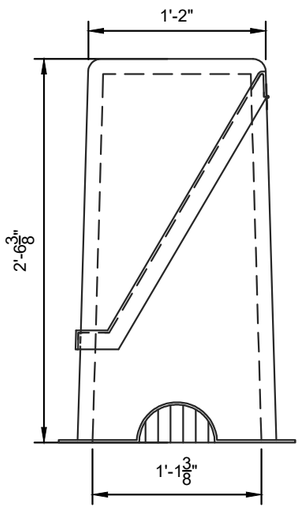
DOMESTIC BACKFLOW PREVENTER- 2-IN. SERVICE

DATE: 20-AUG-2024	AMERICAN WATER ENGINEERING	SCALE: AS SHOWN
STANDARD DETAILS	APPROVED	BFP-09



PLAN VIEW



SECTION A-A

NOTES:

1. SEPERATE 20 AMP CIRCUITS (WALL MOUNTED) AND 15 AMP CIRCUITS (SELF-REGULATING CABLES) ARE RECOMMENDED, SO IN THE EVENT A CIRCUIT FAILS ALL OTHER CIRCUITS WILL REMAIN POWERED. INSTALLATIONS MUST BE IN ACCORDANCE WITH THE LOCAL AND NATIONAL CODES.

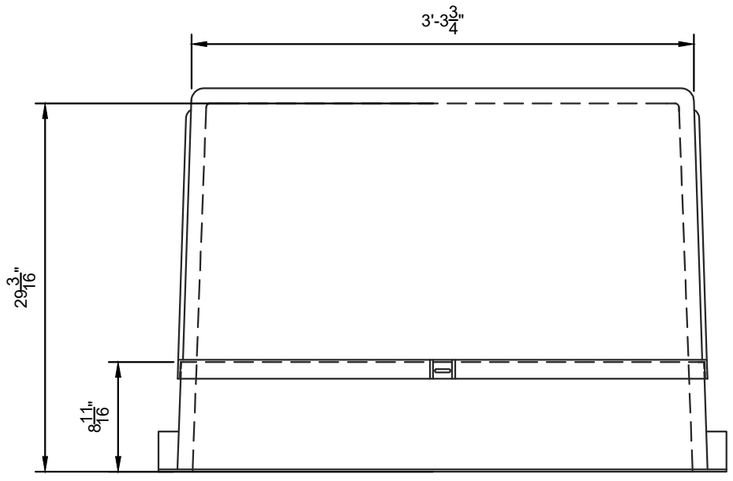
2. FOUR INTERNAL BRACKETS AND CONCRETE ANCHORS ARE TO BE SUPPLIED WITH THE ENCLOSURE (NOT SHOWN).

3. STANDARD COLOR IS BEIGE, UNLESS DIRECTED OTHERWISE BY WATER COMPANY.

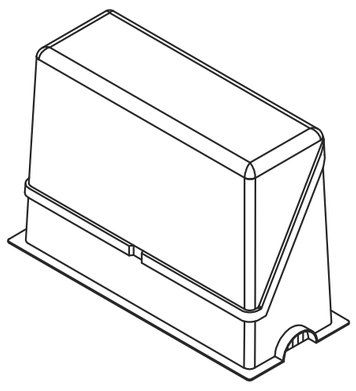
4. RECOMMENDED SLAB SIZE- ADD 9" TO THE ENCLOSURE EXTERIOR DIMENSIONS. FOUR INCH (4") MINIMUM THICKNESS. INTERIOR DIMENSIONS ARE NOMINAL.

5. INSULATED HEATED ENCLOSURE CHARACTERISTICS.
   A. INSULATION - 1"TO 1-1/2" (R8) POLYISOCYANURATE FOAM
   B. HEATING SYSTEM - WALL MOUNT THERMOSTATICALLY CONTROLLED AIR FORCED ELECTRIC HEATER OR UL LISTED SELF-REGULATING CABLES AND SHALL BE UL OR ETL LISTED FOR DAMP OR WET LOCATIONS, WITH GFI RECEPTACLE, U.L. 943 NEMA 3R MOUNTED 8" (MIN.)
   C. HEATER(S) SHALL BE PROVIDED AS NECESSARY TO MAINTAIN TEMPERATURE ABOVE 40° F AT ALL TIMES.

6. ENCLOSURE MODEL HF013039028 AS MANUFACTURED BY HUBBELL, INC. OR APPROVED EQUAL.



ELEVATION



ISOMETRIC VIEW

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AMERICAN WATER

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HEATED ENCLOSURE - 2" SERVICE

DATE: 20-AUG-2024	AMERICAN WATER ENGINEERING	SCALE: AS SHOWN
STANDARD DETAILS	APPROVED	BFP - 07