Purchasing Division
Finance Department

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Duluth, Minnesota 55802

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Addendum 6
Solicitation 24-99440
Woodland Booster Station Upgrade

This addendum serves to notify all bidders of the following changes to the solicitation documents:

- Please see the attached Documents.

  Please acknowledge receipt of this Addendum by checking the acknowledgement box within the www.bidexpress.com solicitation.

Posted: **May 10, 2024**

PART 1

ADDENDUM #6
24-99440
WOODLAND BOOSTER STATION UPGRADE
CITY OF DULUTH
PROJECT 00616177
MAY 7, 2024

CERTIFICATION

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Scott Chilson

Signature: Scott R. Chilson

Date: 5/7/24 License #: 44287

NOTICE

This Addendum is issued to modify, explain, or correct the original drawings, specifications and/or previous addendums and is hereby made a part of the Contract Documents. Please attach this Addendum to the specifications in your possession and note receipt of this Addendum on page 00 41 00-2 of the bid. The bid date remains unchanged.

TECHNICAL SPECIFICATIONS

Section 44 42 00.14 Water system Surge Vessels 2.02, A.

REPLACE with the following:

A. Pre-Qualified Manufactures:
   1. **Basis of Design** is a vertical bladder-type vessel as manufactured by Blacoh Surge Control as represented by Dorner Company.
   2. Charlatte America as represented by Pipestone Equipment

Section 44 42 00.14 Water System Surge Vessels 2.05.
REPLACE with the following:

"2.05 SERVICE CONDITIONS

A. Tank hydraulic performance conditions and design data shall be as shown below. The tank manufacturer shall submit a liquid level report to the Engineer for review based on the information provided below. In the event that the manufacturer's liquid level report of the system yields varying design requirements, the Engineer should be contacted.

Tank Configuration: Vertical

Minimum Capacity: 1000 Gallons

Tank size: 72-inch diameter, 30 inch seam to seam length, 94-inch overall length

Type: Bladder

Bladder Material: NSF 61 PVC.

Maximum Operating/Surge Pressure: 325 psi

Approximate ASME Tank Pressure Relief Pressure: ~360 psi

Minimum factory ASME Tank Test Pressure: 470 psi

Precharge Pressure Setting: 90 psi (Air)

Inlet/Outlet Flange Size: 8 inch

Flange Rating: ANSI Class 250 per ANSI B16.1

Minimum Manhole Size: 24 inch

END OF ADDENDUM

PART 1

ADDENDUM #6-2
24-99440
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CITY OF DULUTH
PROJECT 00616177
MAY 9, 2024

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SPECIAL PROVISIIONS

ADD the following:

SP-52 Project Sign: The CONTRACOR shall provide project sign as required and in compliance with the funding (BABA) requirements. Demolition of the sign at the final closeout shall be inclusive to the project requirements.

TECHNICAL SPECIFICATIONS

All Sections

ADD the following at the beginning of PART 2 of all specifications.

BUILD AMERICA, BUY AMERICA (BABA) REQUIREMENTS

The BABA requirements as set forth by the Whitehouse is applicable for the purchase of iron and steel construction materials, manufactured materials, and construction materials for this project. Refer to Appendex A of the contract Documents for additional information about the BABA requirements required on this project.

Contractors, subcontractors, suppliers, and manufacturers shall follow BABA requirements.

When necessary, a waiver from these requirements can be applied for. A waiver must be requested.

There is a de minimus waiver. Up to 5% of project cost can be noted as de minimus.

The contractor shall be responsible for providing a list of all construction materials to be provided on this project. The List shall identify if the material/equipment is a BABA compliant material with certification upon delivery, not covered by BABA, or supplied under a De Minimus waiver. The CONTRACTOR shall provide material and list identifying classification and value to the OWNER at the Preconstruction Meeting. Example list is attached to this addendum. The OWNER may withhold partial or full payment until submission of complete BABA documentation.

Responsible bidders shall notify the OWNER and A/E a prior to bids being due if there are products specified herein that do not comply with BABA iron and steel requirements.

Section 26 90 20 Instrumentation and Devices, 2.03,B.1.

REPLACE with the following:

"ANSI Class 300 ASME B16.5 flanges with 16-holes rated to connect and mate with 250# flanged inlet and outlet piping. Flow meter shall and components shall meet or exceed the pressure requirement of the piping system. Flow meter shall meet BABA requirements and shall be NSF 61 compliant."

DRAWINGS

Sheet 30-M301 Booster Station – Process Mechanical Building Cross Section

REPACE Key Note 7 with the following:

"Provide Pressure rated and 250# flange compatible 12" Restrained Flange Adapter (JCM contact Gene Krupinski, JCM Sales, 708 712-6194) or equal. Contractor may consider application with Romac 400RG coupling as a substitution."

Sheet 30-M302 Booster Station – Process Mechanical Building Cross Section

REPACE Key Note 5 with the following:

"Provide Pressure rated and 250# flange compatible 12" Restrained Flange Adapter (JCM contact Gene Krupinski, JCM Sales, 708 712-6194) or equal. Contractor may consider application with Romac 400RG coupling as a substitution."

Sheet 30-M302 Booster Station – Process Mechanical Building Cross Section

REPACE Key Note 7 with the following:

"Provide Pressure rated and 250# flange compatible 12" Restrained Flange Adapter (JCM contact Gene Krupinski, JCM Sales, 708 712-6194) or equal. Contractor may consider application with Romac 400RG coupling as a substitution."

Sheet 30-E601 Booster Station Electrical Panel & Fixture Schedules, Fixture Schedule

REPLACE H1 Fixture with the following:

MFR: Gotham
Model: Incito
Part Number: IC04UDWC 40/30 BZR LD 200 UL30LM U20D 120V GZ10 WL DDBT
Description:

- 4000K
- 3000 LUMENS DOWNLIGHT
  - DARK BRONZE REFLECTOR
  - MATTE DIFUSE
  - 20 DEGREE BEAM ANGLE
- 3000 LUMENS UPLIGHT
  - 20 DEGREE BEAM ANGLE
- 120V
- 0-10V DIMMER DRIVER TO 10%
- WET LOCATION
- TEXTURED DARK BRONZE CYLINDER
- BABA Compliant

END OF ADDENDUM

BUILD AMERICAN BUY AMERICA (BABA) COMPLIANCE CHECKLIST

PROJECT:	**NOTE:**	**Applicable to FEDERALLY Funded projects.** Contractor is required to complete this spreadsheet. BABA Compliance Checklist will amend the Shop Drawing Review process to track BABA compliance.
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EXAMPLE											
☑	☐	☐	PCCP (Pre-Stressed Concrete Cylinder Pipe) - Reinforced Precast Concrete	40 23 36							BABA Certification coming prior to installation. Pay Application line #32
TYPICAL AIS ITEMS THAT REMAIN REQUIRED BY BABA - REFER TO PROJECT MATERIAL AND MANUFACTURE SYSTEM SPECIFICATION REFERANCES BELOW											
☐	☐	☐	Access Hatches - Municipal Castings								
☐	☐	☐	Access Ramps - Construction Materials								
☐	☐	☐	Angles - Construction Materials								
☐	☐	☐	Angles (>3") - Structural Steel								
☐	☐	☐	Ballast Screen - Municipal Castings								
☐	☐	☐	Bar - Construction Materials								
☐	☐	☐	Benches - Municipal Castings								
☐	☐	☐	Bollards - Municipal Castings								
☐	☐	☐	Cable Hanging Systems - Construction Materials								
☐	☐	☐	Casing - Construction Materials								
☐	☐	☐	Cast Bases - Municipal Castings								
☐	☐	☐	Cast Iron Hinged Hatches (square or rectangular) - Municipal Castings								
☐	☐	☐	Cast Iron Products (Other) - Municipal Castings								
☐	☐	☐	Cast Iron Riser Rings - Municipal Castings								
☐	☐	☐	Catch Basin Inlet - Municipal Castings								
☐	☐	☐	Channel (>3") - Structural Steel								
☐	☐	☐	Cleanout/Monument Boxes - Municipal Castings								
☐	☐	☐	Concrete Reinforcing Bar - Construction Materials								
☐	☐	☐	Construction Covers and Frames - Municipal Castings								
☐	☐	☐	Corrugated Steel Pipe								
☐	☐	☐	Couplings - Fittings								
☐	☐	☐	Cross Ties - Structural Steel								

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☐	☐	☐	Curb and Corner Guards - Municipal Castings								
☐	☐	☐	Curb Openings - Municipal Castings								
☐	☐	☐	Decking - Construction Materials								
☐	☐	☐	Detectable Warning Plates - Municipal Castings								
☐	☐	☐	Dome Structures - Construction Materials								
☐	☐	☐	Door Hardware - Construction Materials								
☐	☐	☐	Doors - Construction Materials								
☐	☐	☐	Doors - Overhead								
☐	☐	☐	Downspout Shoes (Boot, Inlet) - Municipal Castings								
☐	☐	☐	Drainage Gates, Frames, Curb Inlets - Municipal Castings								
☐	☐	☐	Ductwork - Construction Materials								
☐	☐	☐	Expansion Joints - Fittings								
☐	☐	☐	Fasteners (nuts and bolts) - Construction Materials								
☐	☐	☐	Fencing and Fence Tubing - Construction Materials								
☐	☐	☐	Fire Escapes - Construction Materials								
☐	☐	☐	Flanges - Construction Materials								
☐	☐	☐	Framing - Construction Materials								
☐	☐	☐	Grating - Construction Materials								
☐	☐	☐	Guardrails - Construction Materials								
☐	☐	☐	H-Piles - Structural Steel								
☐	☐	☐	Hydrants								
☐	☐	☐	I-Beam shapes - Structural Steel								
☐	☐	☐	Inlets - Municipal Castings								
☐	☐	☐	Joists - Construction Materials								

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☐	☐	☐	Junction Boxes - Municipal Castings								
☐	☐	☐	Ladders - Construction Materials								
☐	☐	☐	Lampposts - Municipal Castings								
☐	☐	☐	Lined Fittings								
☐	☐	☐	Lined Pipes								
☐	☐	☐	Manhole Covers								
☐	☐	☐	Manhole Covers, Rings and Frames, Risers - Municipal Castings								
☐	☐	☐	Manhole Risers and Chimneys - Reinforced Precast Concrete								
☐	☐	☐	Manhole Steps - Construction Materials								
☐	☐	☐	Meter Boxes - Municipal Castings								
☐	☐	☐	Other rolled flanged shapes - Structural Steel								
☐	☐	☐	PCCP (Pre-Stressed Concrete Cylinder Pipe) - Reinforced Precast Concrete								
☐	☐	☐	Pipe Clamps and Restraints, Couplings, Joints, Flanges, Saddles, Service Sleeves, Tees								
☐	☐	☐	Pipe Connectors - Fittings								
☐	☐	☐	Railings - Construction Materials								
☐	☐	☐	Reinforced Precast Concrete								
☐	☐	☐	Roofing - Construction Materials								
☐	☐	☐	Service Box - Municipal Castings								
☐	☐	☐	Sheet Piling - Structural Steel								
☐	☐	☐	Stairs - Construction Materials								
☐	☐	☐	Stationary Screens - Construction Materials								
☐	☐	☐	Steel Hinged Hatches (square or rectangular) - Municipal Castings								
☐	☐	☐	Steel Riser Rings - Municipal Castings								
☐	☐	☐	Surface Drains - Construction Materials								

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☐	☐	☐	Tanks								
☐	☐	☐	Tees - Structural Steel								
☐	☐	☐	Tie Plates - Structural Steel								
☐	☐	☐	Trash Receptacles - Municipal Castings								
☐	☐	☐	Tree Grates - Municipal Castings								
☐	☐	☐	Tree Guards - Municipal Castings								
☐	☐	☐	Trench Gates - Municipal Castings								
☐	☐	☐	Trusses - Construction Materials								
☐	☐	☐	Tubing - Construction Materials								
☐	☐	☐	Unlined Fittings								
☐	☐	☐	Unlined Pipes								
☐	☐	☐	Valve Boxes, Covers and Risers - Municipal Castings								
☐	☐	☐	Valves								
☐	☐	☐	Wall Panels - Construction Materials								
☐	☐	☐	Welding Rods - Construction Materials								
☐	☐	☐	Wide-flanged shapes - Structural Steel								
☐	☐	☐	Wire - Construction Materials								
☐	☐	☐	Wire cloth - Construction Materials								
☐	☐	☐	Wire Rod - Construction Materials								
☐	☐	☐	Wire Rope and Cables - Construction Materials								
☐	☐	☐	Zees - Structural Steel								
TYPICAL AIS ITEMS THAT REMAIN REQUIRED BY BABA - REFER TO PROJECT MATERIAL AND MANUFACTURE SYSTEM SPECIFICATION REFERANCES BELOW											
☐	☐	☐	Steel Bar Reinforcement	03 20 00 2.01A							
☐	☐	☐	Steel Tie Wire	03 20 00 2.01C							

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☐	☐	☐	Support Fro Reinforcment (permanentaly installed)	03 20 00 2.01D							
☐	☐	☐	Meterl Fastenings	05 05 23 2.01							
☐	☐	☐	Steel Joists (Memebers, hardware, coatings)	05 20 00 2.01-2.03							
☐	☐	☐	Steel Roof Decking (Sheet Steel and coatings)	05 31 23 2.02							
☐	☐	☐	Framed Openings	05 50 00							
☐	☐	☐	Interior rails and handrails	05 50 00							
☐	☐	☐	Exterior rails and handrails	05 50 00							
☐	☐	☐	Ladders	05 50 00							
☐	☐	☐	Guard Post	05 50 00							
☐	☐	☐	Angles, Channels, and Plates	05 50 00							
☐	☐	☐	Lintels	05 50 00							
☐	☐	☐	Door Frames	05 50 00							
☐	☐	☐	Anchors	05 50 00							
☐	☐	☐	Steel	05 50 00							
☐	☐	☐	Non-ferrous metals	05 50 00							
☐	☐	☐	Hardware	05 50 00							
☐	☐	☐	Metal Stairs	05 51 00a							
☐	☐	☐	Handrails and Railings	05 52 00							
☐	☐	☐	Nailers	06 10 01							
☐	☐	☐	Sheet Waterproofing - Below Grade Wall Membrane Waterproofing	07 13 00							
☐	☐	☐	Sheet Waterproofing - Wall membrane Primer	07 13 00							
☐	☐	☐	Sheet Waterproofing - Liquid Termination	07 13 00							
☐	☐	☐	Sheet Waterproofing - Protection Board	07 13 00							
☐	☐	☐	Sheet Waterproofing - Adhesive	07 13 00							

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☐	☐	☐	Sheet Waterproofing - Termination	07 13 00							
☐	☐	☐	Board Insulation - Type A Insulation	07 21 13							
☐	☐	☐	Board Insulation - Adhesives	07 21 13							
☐	☐	☐	Foamed In Place insulation - Closed Cell Spray Foam	07 21 20							
☐	☐	☐	Foamed In Place insulation - Primer	07 21 20							
☐	☐	☐	Foamed In Place insulation - Backer Rod	07 21 20							
☐	☐	☐	Foamed In Place insulation - Sealant	07 21 20							
☐	☐	☐	EPDM Membrane Roofing - Membrane	07 53 23							
☐	☐	☐	EPDM Membrane Roofing - Seaming Materials	07 53 23							
☐	☐	☐	EPDM Membrane Roofing - Night Seal	07 53 23							
☐	☐	☐	EPDM Membrane Roofing - Insulation Materials	07 53 23							
☐	☐	☐	EPDM Membrane Roofing - Vapor Barrier	07 53 23							
☐	☐	☐	EPDM Membrane Roofing - Adhesive	07 53 23							
☐	☐	☐	EPDM Membrane Roofing - Accessories	07 53 23							
☐	☐	☐	Sheet Metal Falshing and Trim - Roof Edge/Fascia	07 62 00							
☐	☐	☐	Sheet Metal Falshing and Trim - Aluminum, Sheet Metal Soffit	07 62 00							
☐	☐	☐	Sheet Metal Falshing and Trim - Aluminum Transition Bar	07 62 00							
☐	☐	☐	Sheet Metal Falshing and Trim - Sealant	07 62 00							
☐	☐	☐	Roof Hatches	07 72 33							
☐	☐	☐	Sealants	07 92 00							
☐	☐	☐	Fiberglass Reinforced Door and Frame	08 16 00							
☐	☐	☐	Fiberglass Reinforced Door and Frame - Accessories	08 16 00							
☐	☐	☐	Access Hatches	08 34 59							
☐	☐	☐	Overhead Sectional Doors - Door	08 36 13							

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☐	☐	☐	Overhead Sectional Doors - Finish/coating	08 36 13							
☐	☐	☐	Overhead Sectional Doors - Track	08 36 13							
☐	☐	☐	Overhead Sectional Doors - Hardware	08 36 13							
☐	☐	☐	Overhead Sectional Doors - Electric Operator and Accessories	08 36 13							
☐	☐	☐	Door Hardware	08 71 00							
☐	☐	☐	Translucent Windows - Sandwich Panels	08 84 10							
☐	☐	☐	Translucent Windows - Glazing Accessories	08 84 10							
☐	☐	☐	Translucent Windows - Coatings	08 84 10							
☐	☐	☐	High Performance Coatings	09 96 00							
☐	☐	☐	Signage	10 14 00							
☐	☐	☐	Fire Extinguishers	10 44 16							
☐	☐	☐	Key Vaults	11 16 20a							
☐	☐	☐	Plumbing - Sanitary Sewer and Vent Piping / Below Grade	22 00 00							
☐	☐	☐	Plumbing - Sanitary Sewer and Vent Piping / Above Grade	22 00 00							
☐	☐	☐	Plumbing - Storm Sewer and drain Tile Piping / Inside the Building	22 00 00							
☐	☐	☐	Plumbing - Storm Sewer and drain Tile Piping / Outsider the Building	22 00 00							
☐	☐	☐	Plumbing - Groundwater Drain Piping	22 00 00							
☐	☐	☐	Plumbing - Natural Gas Piping	22 00 00							
☐	☐	☐	Plumbing - Roof Drainage	22 00 00							
☐	☐	☐	Plumbing - Pipe Insulation	22 00 00							
☐	☐	☐	Plumbing - Sleeves and Seals	22 00 00							
☐	☐	☐	Plumbing - Hangers and Supports	22 00 00							
☐	☐	☐	Plumbing - Sump Pump System	22 00 00							
☐	☐	☐	Plumbing - Mechanical Identification	22 00 00							

BUILD AMERICAN BUY AMERICA (BABA) COMPLIANCE CHECKLIST

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☐	☐	☐	Plumbing - Strut and Channel	22 00 00							
☐	☐	☐	HVAC - Motors	23 00 00							
☐	☐	☐	HVAC - Starters	23 00 00							
☐	☐	☐	HVAC - Disconnects	23 00 00							
☐	☐	☐	HVAC - Wire	23 00 00							
☐	☐	☐	HVAC - Sleeves	23 00 00							
☐	☐	☐	HVAC - Escutcheons	23 00 00							
☐	☐	☐	HVAC - Fans	23 00 00							
☐	☐	☐	HVAC - Destratificationn Fans	23 00 00							
☐	☐	☐	Unit Heaters	23 00 00							
☐	☐	☐	HVAC - Split Ductless AC Systems	23 00 00							
☐	☐	☐	HVAC - Gas Vent	23 00 00							
☐	☐	☐	HVAC - Regrigeration Piping	23 00 00							
☐	☐	☐	HVAC - Duct Work	23 00 00							
☐	☐	☐	HVAC - Air inlets and Outlets	23 00 00							
☐	☐	☐	HVAC - Actuated Dampers	23 00 00							
☐	☐	☐	HVAC - Pipe Insulation	23 00 00							
☐	☐	☐	HVAC - Duct Work Insulation	23 00 00							
☐	☐	☐	HVAC - Thermostats	23 00 00							
☐	☐	☐	HVAC - Controls	23 00 00							
☐	☐	☐	HVAC - Flashing and Trim	23 00 00							
☐	☐	☐	HVAC - Mechanical Identifiers	23 00 00							
☐	☐	☐	HVAC - Strut and Channel	23 00 00							
☐	☐	☐	Illumination Fixtures	Schedule							

BUILD AMERICAN BUY AMERICA (BABA) COMPLIANCE CHECKLIST

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☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Copper	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Aluminum	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Shovel Cable	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Aluminum	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Sheilded Copper	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Aluminum	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Sheilded Cable	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Armored	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Sheilded Instrument Cable	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - UTP Cable	26 15 19							
☐	☐	☐	Low-Voltage Electrical Power Conductors and Cables - Fiber Optic	26 15 19							
☐	☐	☐	Grounding and Bonding for Electrical Systems - Rod	26 05 26							
☐	☐	☐	Grounding and Bonding for Electrical Systems - Connectors	26 05 26							
☐	☐	☐	Grounding and Bonding for Electrical Systems - Wire	26 05 26							
☐	☐	☐	Hangers Supports for Eelectrical Systems - Strut, Channel, and Connectors	26 05 29							
☐	☐	☐	Hangers Supports for Eelectrical Systems - Anchors and Fasteners	26 05 29							
☐	☐	☐	Hangers Supports for Eelectrical Systems - Hardware	26 05 29							
☐	☐	☐	Conduit - GRS	26 05 34							
☐	☐	☐	Conduit - PGRS	26 05 34							
☐	☐	☐	Conduit - PVC	26 05 34							
☐	☐	☐	Boxes	26 05 37							
☐	☐	☐	Wiring Devices	26 05 41							
☐	☐	☐	Identification for Electrical System	26 05 53							
☐	☐	☐	HRG	26 05 95.13							

BUILD AMERICAN BUY AMERICA (BABA) COMPLIANCE CHECKLIST

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☐	☐	☐	Low-Voltage Transformers	26 22 00							
☐	☐	☐	Switchboard and Arc Quencher	26 23 01							
☐	☐	☐	Low Voltage Switchboard	26 24 13.11							
☐	☐	☐	Panelboards	26 24 16							
☐	☐	☐	Enclosed Switches	26 28 19							
☐	☐	☐	AFD	26 29 23							
☐	☐	☐	Surge Protective Devices	26 43 13							
☐	☐	☐	Control Panel Construction	26 90 10							
☐	☐	☐	Control Panel Components	26 90 11							
☐	☐	☐	Instrumentation - LIT/PIT	26 90 20							
☐	☐	☐	Instrumentation - Control Stations	26 90 20							
☐	☐	☐	Instrumentation - Flow Switch	26 90 20							
☐	☐	☐	Instrumentation - FE/FIT	26 90 20							
☐	☐	☐	Instrumentation - TE	26 90 20							
☐	☐	☐	Instrumentation - ZS	26 90 20							
☐	☐	☐	Instrumentation - LSH	26 90 20							
☐	☐	☐	PLC	26 90 30							
☐	☐	☐	HMI	26 90 31							
☐	☐	☐	Ethernet Switch - Switch	26 90 60							
☐	☐	☐	Ethernet Switch - Optical Cable	26 90 60							
☐	☐	☐	WBS-LCP-1	MFR System							
☐	☐	☐	HRG-1,SB-1,SB-2,VFD-2-2A, VFD-2-2B, LP-1, XF-1, etc.	MFR System							
☐	☐	☐	Public Sanitary Utility Sewerage Pipe	33 31 13							
☐	☐	☐	Process Piping, Valves, and Specialties - Ductile Iron	40 23 23							

BUILD AMERICAN BUY AMERICA (BABA) COMPLIANCE CHECKLIST

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☐	☐	☐	Process Piping, Valves, and Specialties - Copper	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - SST	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Silent Check Valves	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - PRV	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - ARV	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Butterfly Valve	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Gate Valves	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Ball Valves	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - PRV at the PRV Station	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Flange Adapters	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Expansion Joints	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - MJ Restraints	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Pipe Supports	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Gauges	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Corps	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Insulation	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Zinc Anode Corrosion protection	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Labeling and Tagging	40 23 23							
☐	☐	☐	Process Piping, Valves, and Specialties - Painting	40 23 23							
☐	☐	☐	Water System Surge Vessels - MFR System	44 42 00.14							
☐	☐	☐	Vertical Turbine Pumps and Motor - MFR System	44 42 56.10							
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