

SECTION 009113.01 – ADDENDUM 1

1.1 PROJECT INFORMATION

- A. Project Name: Arlington County Water Pollution Control Plant (WPCP) Preliminary Treatment Upgrades (WPB2) Phase 9B
- B. Owner: Arlington County Department of Environmental Services (DES)
- C. Solicitation Number: 21-DES-ITB-477
- D. Engineer: Peter Loomis, PE
- E. Date of Addendum: June 04, 2021

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the INSTRUCTIONS to Bidders. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Sheets:
 - 1. Mechanical Sheet M-10, dated May 13, 2021, reissued.
 - 2. Instrumentation Sheet I-2, dated June 2, 2021, reissued.
 - 3. Instrumentation Sheet I -3, dated May 14, 2021, reissued.
 - 4. Electrical Sheet E-3, dated May 28, 2021, reissued.
- B. This Addendum includes the attached Addendum Drawings: (NOT USED)

- 1.4 REVISIONS TO PREVIOUS ADDENDA (NOT USED)

- 1.5 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS (NOT USED)

- 1.6 REVISIONS TO DIVISION 01 GENERAL REQUIREMENTS (NOT USED)

- 1.7 REVISIONS TO DIVISIONS 02 - 49 SPECIFICATION SECTIONS
 - A. Specification Section 070150.19 (not reissued)
 - 1. DELETE Paragraph 070150.19 1.5.A.2 in its entirety.

 - B. Specification Section 099100 "Painting," (not reissued).
 - 1. Add new paragraph 1.2 A.3, as follows:
 - "3. Structural Steel.
 - 4. New and existing mechanical piping and new process equipment."

 - 2. Add new paragraph 3.2 F, as follows:
 - "F. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces."

 - 3. Add new paragraph 3.5 B.3, as follows:
 - "3. Interior non-submerged ferrous metals (except first coat of previously painted metal work), on properly prepared unprimed metal or for touch-up:
 - a. First Coat:
 - 1) TN: Hi-build Epoxoline II, Series N69.
 - 2) SW: Macropoxy 646, B58 Series.
 - 3) PPG: Pitt-Guard 97-145 Series Epoxy Mastic.
 - 4) AME: Amerlock 2/400 Series Epoxy.

 - b. Second and Third Coats:
 - 1) TN: Hi-build Epoxoline II, Series N69.
 - 2) SW: Macropoxy 646, B58 Series.
 - 3) PPG: Pitt-Guard 97-145 Series Epoxy Mastic.
 - 4) PPG: Amerlock 2/400 Series Epoxy.

 - 4. Exterior non- submerged ferrous metals (except first coat-hollow metal-pressed metal work):
 - a. First Coat: On properly prepared unprimed metal or for touch-up:

- 1) TN: Hi-build Epoxoline II, Series N69.
 - 2) SW: Macropoxy 646, B58 Series.
 - 3) PPG: Pitt-Guard 97-145 Series Epoxy Mastic.
 - 4) AME: Amerlock 2/400 Series Epoxy.
- b. Second Coat:
- 1) TN: Hi-build Epoxoline II, Series N69.
 - 2) SW: Macropoxy 646, B58 Series.
 - 3) PPG: Pitt-Guard 97-145 Series Epoxy Mastic.
 - 4) AME: Amerlock 2/400 Series Epoxy.
- c. Third Coat:
- 1) TN: Endura-Shield - semi-gloss, Series V73.
 - 2) SW: Acrolon 218 HS, B65 Series.
 - 3) PPG: Pitthane HB Semigloss Urethane 95-8800 Series.
 - 4) AME: Amercoat 450HSG Polyurethane.
5. Interior non-submerged concrete scheduled for painting:
- a. First and Second Coats:
- 1) TN: Hi-build Epoxoline II, Series N69.
 - 2) SW: Macropoxy 646, B58 Series.
 - 3) PPG: Pitt-Guard 97-145 Series Epoxy Mastic.
 - 4) AME: Amerlock 2/400 Series Epoxy.
6. Previously Painted Metal Surfaces:
- a. First coat on substrates prepared as approved and replacing first coat of above-specified systems. Complete painting with remainder of specified system for each type of substrate.
- b. First Coat:
- 1) TN: FC Typoxy, Series V27.
 - 2) SW: Macropoxy 646, B58 Series.
 - 3) PPG: Pitt-Guard 97-145 Series Epoxy Mastic.
 - 4) AME: Amerlock 2/400 Series Epoxy.”
- C. Specification Section 46 21 14 Multi-Rake Bar Screens (not reissued):
1. Paragraph 3.3.D.1, DELETE, “Performance test shall be scheduled around a storm of minimum $\frac{3}{4}$ ” precipitation”
- D. Specification Section 406196 Process Control Descriptions (not reissued):

1. Paragraph 3.3, LOOP 100-1000, CHANGE title from “PTB-ATC-01” to “PTB-ATC-02”.
- E. Specification Section 40 05 23.00 Stainless Steel Process Pipe and Tubing
 1. Paragraph 2.2.C.3, DELETE “1 ½ inch and smaller” and REPLACE with “Smaller than 1 ½ inch”

1.8 REVISIONS TO APPENDICES (NOT USED)

1.9 REVISIONS TO DRAWING SHEETS

- A. Sheets A-4, A-5, and A-6, (not reissued):
 1. Drawing A-4 FIRST FLOOR PLAN: Drawing A-5 SECOND FLOOR PLAN: Drawing A-6 MEZZANINE PLAN: Add the following to the Painting Legend on each sheet:

“SCRAPE AND PAINT CEILINGS.”
- B. Sheet S-11 (not reissued):
 1. Drawing S-11, Note 5: Replace “DETAIL E/-” with “DETAIL D/-”.
- C. Sheet M-20, (not reissued):
 1. Drawing M-20 STANDARD MECHANICAL DETAILS IV, Detail G revise “09902” to “099100” in note 1.
- D. Sheet M-11, (not reissued):
 1. Drawing M-11 PRELIMINARY TREATMENT BUILDING SECOND FLOOR PROPOSED PLAN, DELETE text in first sentence of note “EXISTING 4” PEW-PVC RISER FROM BELOW” and REPLACE WITH “EXISTING 4” PEW-DI RISER FROM BELOW”.
- E. Sheet M-17, (not reissued):
 1. Drawing M-17 STANDARD MECHANICAL DETAILS 1, DETAIL D DELETE note “NOTE: REFER TO SECTION 15140 OF SPECIFICATIONS FRAME MATERIAL SHALL BE A316 STAINLESS STEEL”.

END OF DOCUMENT 009113.01

Revisions	Date
ADDENDUM NO. 1 (EMS)	5/13/21

Water Pollution Control Plant
Preliminary Treatment Upgrades (WPB2)
Phase 9B
PRELIMINARY TREATMENT BUILDING
FIRST FLOOR
PROPOSED PLAN

Project Name and Location

Designed: A. LUTHRA
Drawn: E. JOHNSON
Checked: E. SPARGIMINO
Miss Utility Transmittal #:

Filename: M10PTPL.dwg
Path: c:\pw_p11\johnson\el1255023
Plotted: May 13, 2021
Plotted by: Johnson

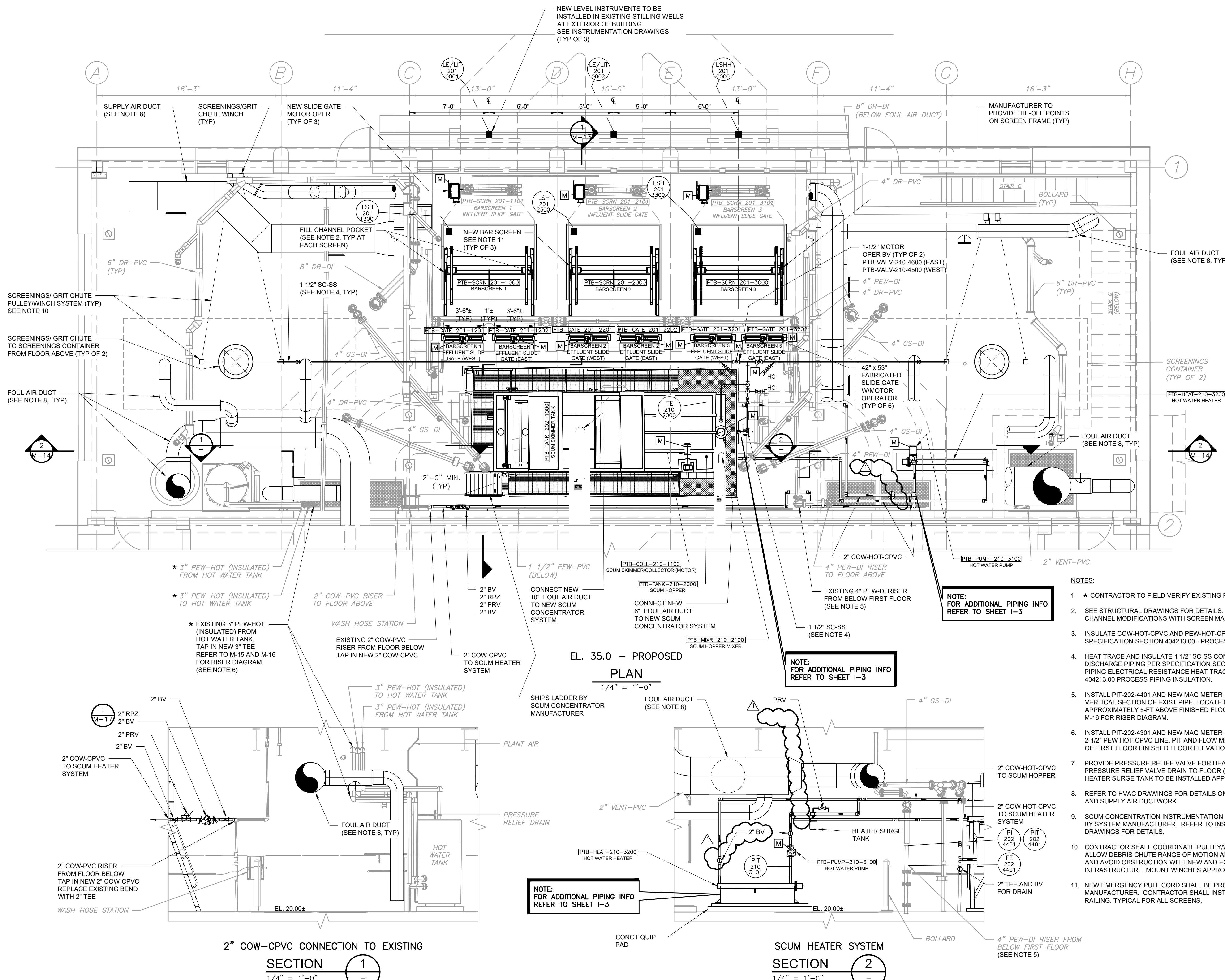
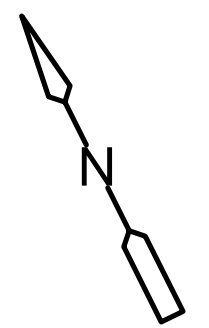
Scale: AS NOTED



10560 Arrowhead Drive, Suite 500
FAIRFAX, VA 22030

Sht. 40 of 97

M-10



EL. 35.0 - PROPOSED PLAN
1/4" = 1'-0"

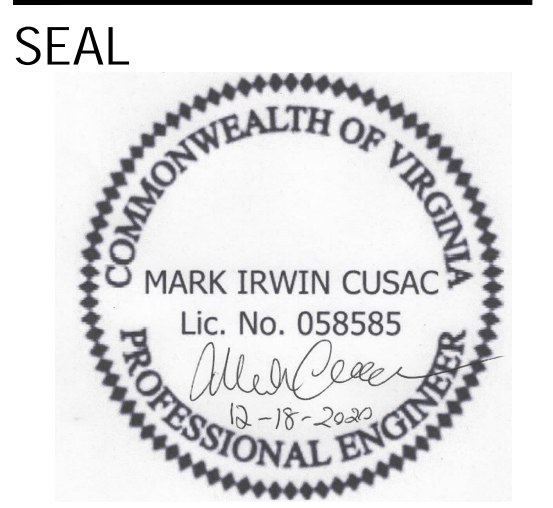
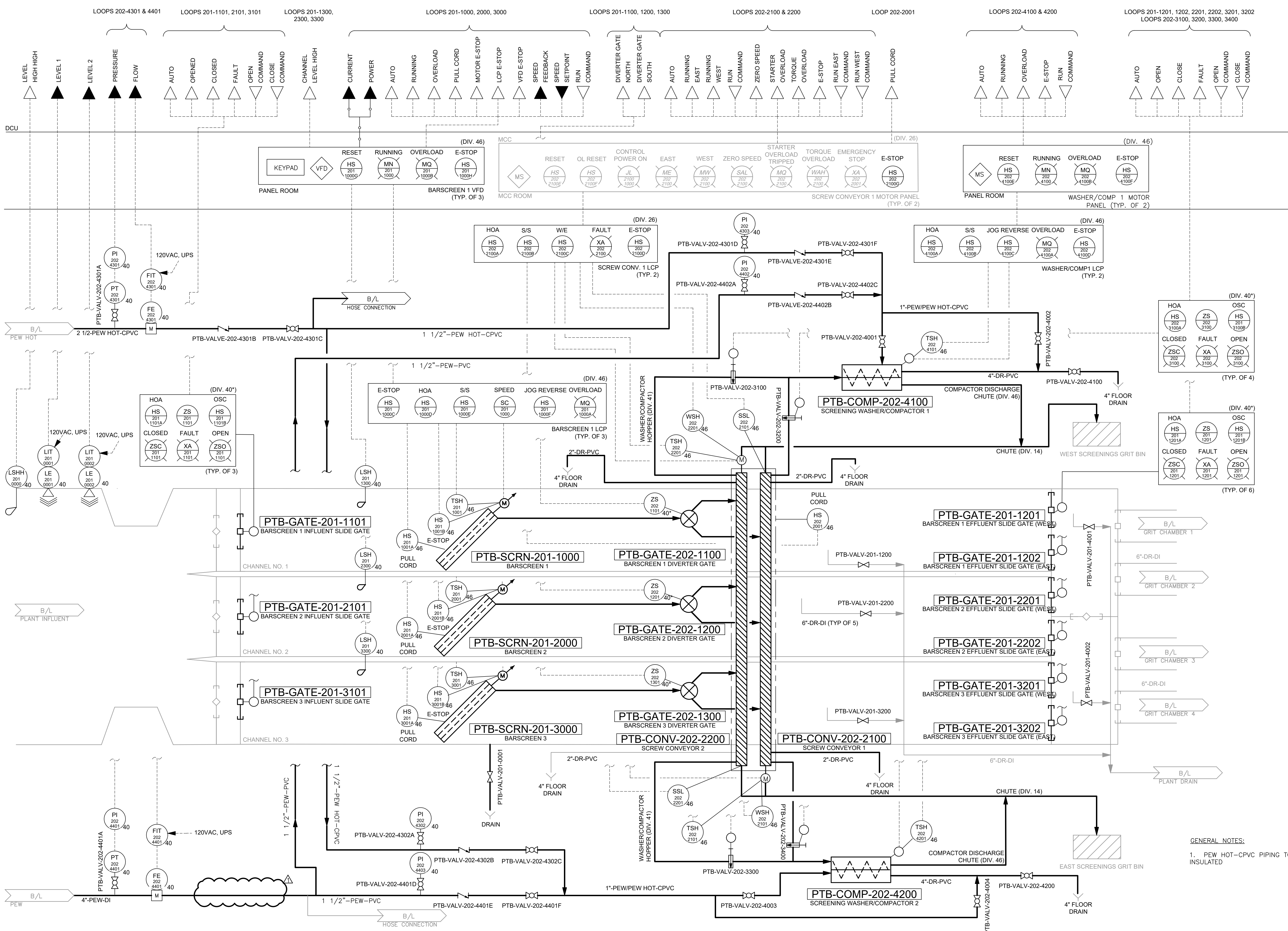
SECTION 1
1/4" = 1'-0"

SECTION 2
1/4" = 1'-0"

- NOTES:**
- * CONTRACTOR TO FIELD VERIFY EXISTING PIPE SIZE.
 - SEE STRUCTURAL DRAWINGS FOR DETAILS. COORDINATE ADDITIONAL CHANNEL MODIFICATIONS WITH SCREEN MANUFACTURER.
 - INSULATE COW-HOT-CPVC AND PEW-HOT-CPVC PIPING PER SPECIFICATION SECTION 404213.00 - PROCESS PIPING INSULATION.
 - HEAT TRACE AND INSULATE 1 1/2" SC-SS CONCENTRATED SCUM PUMP DISCHARGE PIPING PER SPECIFICATION SECTION 404113.13 PROCESS PIPING ELECTRICAL RESISTANCE HEAT TRACING AND SECTION 404213.00 PROCESS PIPING INSULATION.
 - INSTALL PIT-202-4401 AND NEW MAG METER (FE-202-4401) ON VERTICAL SECTION OF EXIST PIPE. LOCATE MID-POINT OF MAG METER APPROXIMATELY 5-FT ABOVE FINISHED FLOOR. REFER TO M-15 AND M-16 FOR RISER DIAGRAM.
 - INSTALL PIT-202-4301 AND NEW MAG METER (FE-202-4301) ON NEW 2-1/2" PEW-HOT-CPVC LINE. PIT AND FLOW METER TO BE WITHIN 5-FT OF FIRST FLOOR FINISHED FLOOR ELEVATION.
 - PROVIDE PRESSURE RELIEF VALVE FOR HEATER SURGE TANK. DIRECT PRESSURE RELIEF VALVE DRAIN TO FLOOR (APPROX. 1-FT AFF). HEATER SURGE TANK TO BE INSTALLED APPROX. 5-FT AFF.
 - REFER TO HVAC DRAWINGS FOR DETAILS ON FOUL AIR DUCTWORK AND SUPPLY AIR DUCTWORK.
 - CONTRACTOR SHALL COORDINATE PULLEY/WINCH LOCATION TO ALLOW DEBRIS CHUTE RANGE OF MOTION ALONG DUMPSTER LENGTH AND AVOID OBSTRUCTION WITH NEW AND EXISTING INFRASTRUCTURE. MOUNT WINCHES APPROX. 3-FT AFF.
 - NEW EMERGENCY PULL CORD SHALL BE PROVIDED BY SCREEN MANUFACTURER. CONTRACTOR SHALL INSTALL PULL CORD ON NEW RAILING. TYPICAL FOR ALL SCREENS.

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APPROVALS DATE

100% BID SET

Revisions	Date
ADDENDUM NO. 1 (GDV)	5/13/21

Project Name and Location

Water Pollution Control Plant
Preliminary Treatment Upgrades (WPB2)
Phase 9B

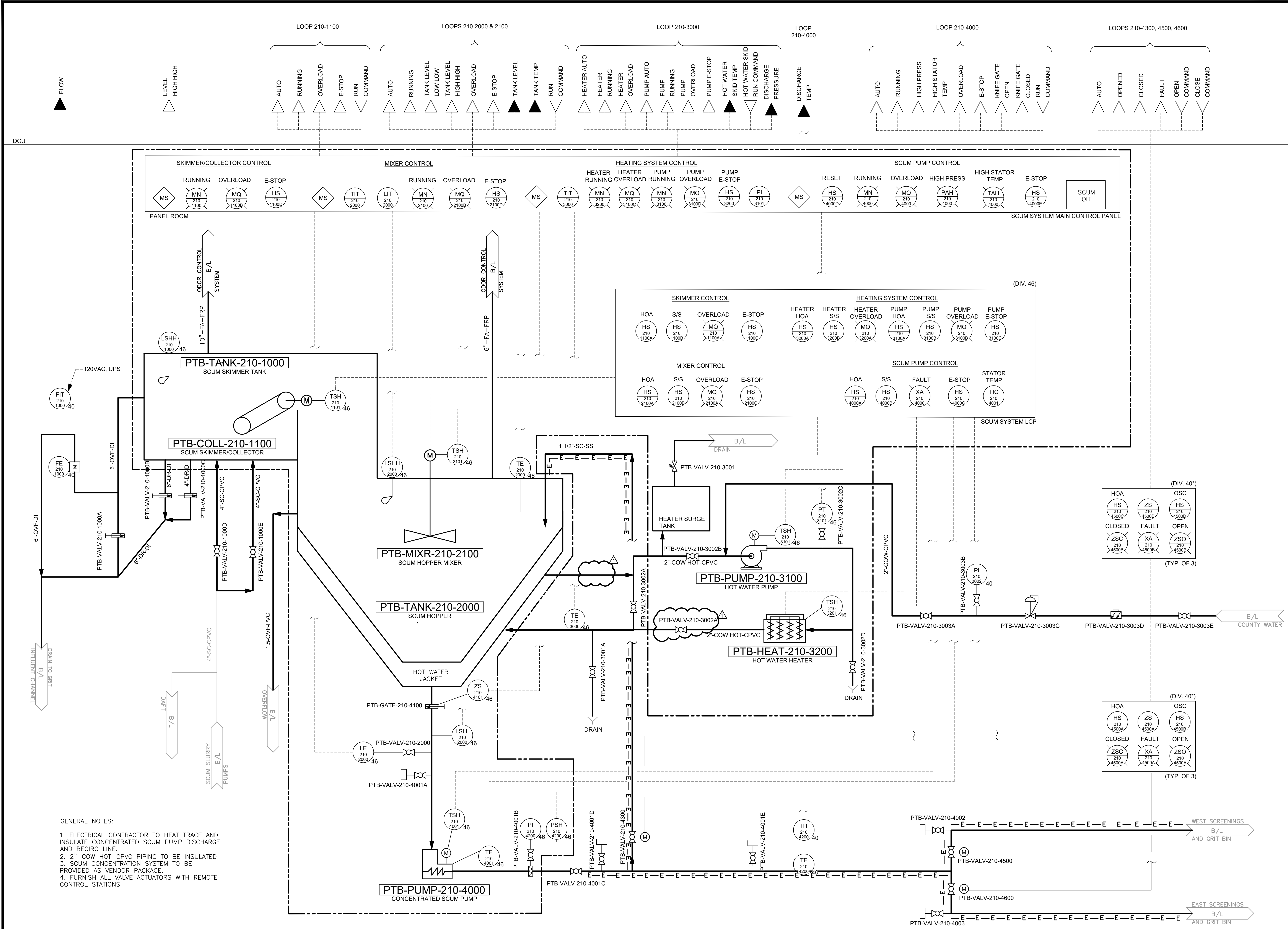
PRELIMINARY TREATMENT BUILDING SCREENING

Designed: A. LUTHRA
Drawn: G. VILLAR
Checked: E. SPARGIMINO
Miss Utility Transmittal #:
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Plotted: June 02, 2021
Plotted by: VILLARGD

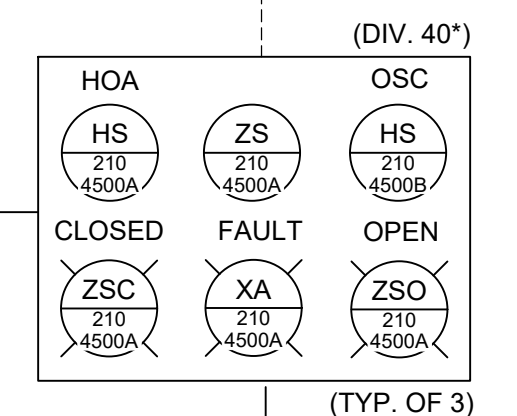
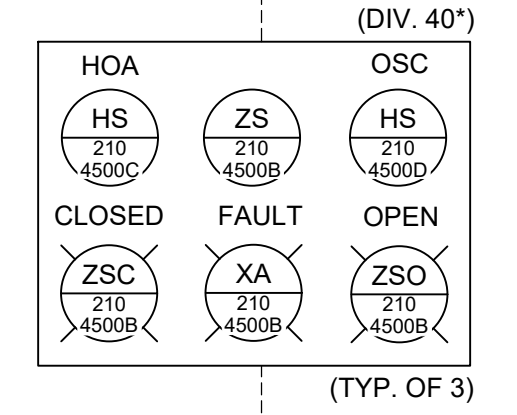
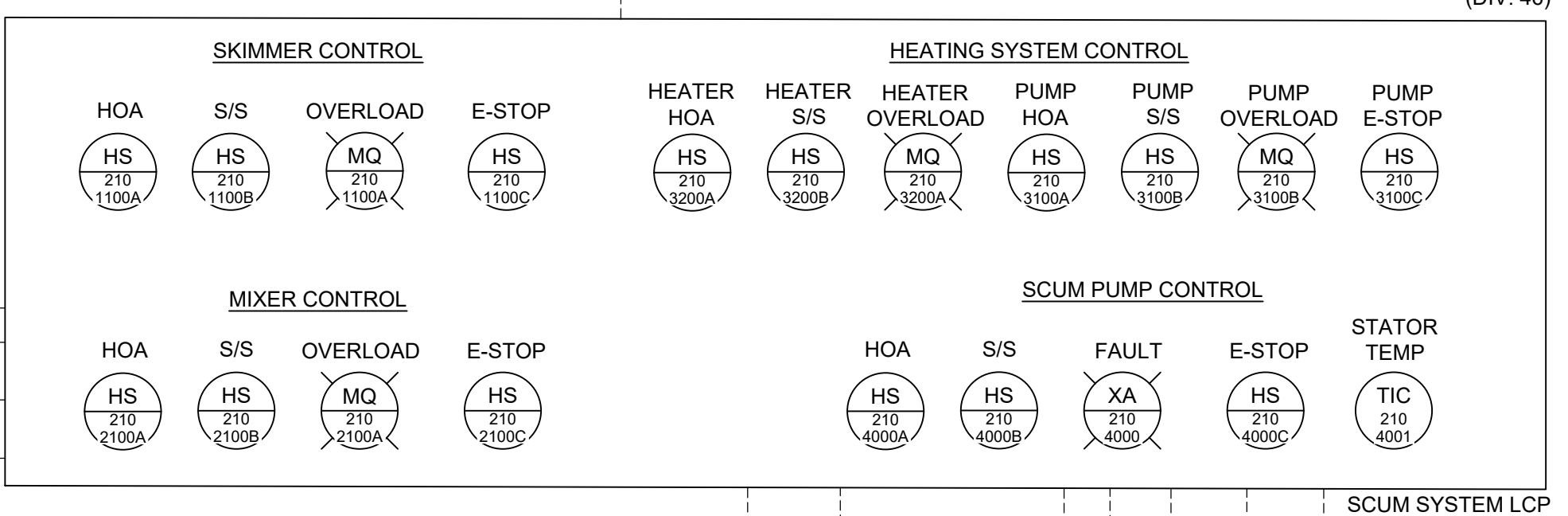
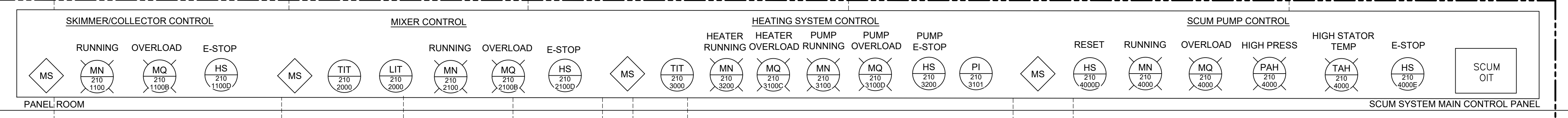
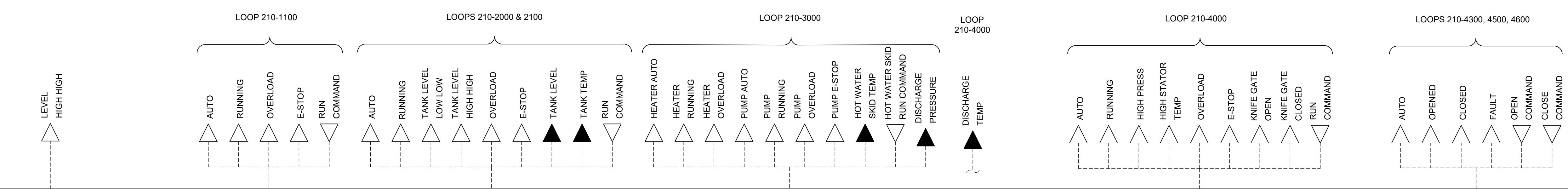
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- GENERAL NOTES:**
1. ELECTRICAL CONTRACTOR TO HEAT TRACE AND INSULATE CONCENTRATED SCUM PUMP DISCHARGE AND RECIRC LINE.
 2. 2" COW HOT-CPVC PIPING TO BE INSULATED
 3. SCUM CONCENTRATION SYSTEM TO BE PROVIDED AS VENDOR PACKAGE.
 4. FURNISH ALL VALVE ACTUATORS WITH REMOTE CONTROL STATIONS.



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APPROVALS DATE

100% BID SET

Revisions	Date
ADDENDUM NO. 1 (GDV)	5/13/21

Water Pollution Control Plant
Preliminary Treatment Upgrades (WPB2)
Phase 9B

PRELIMINARY TREATMENT BUILDING
SCUM CONCENTRATION

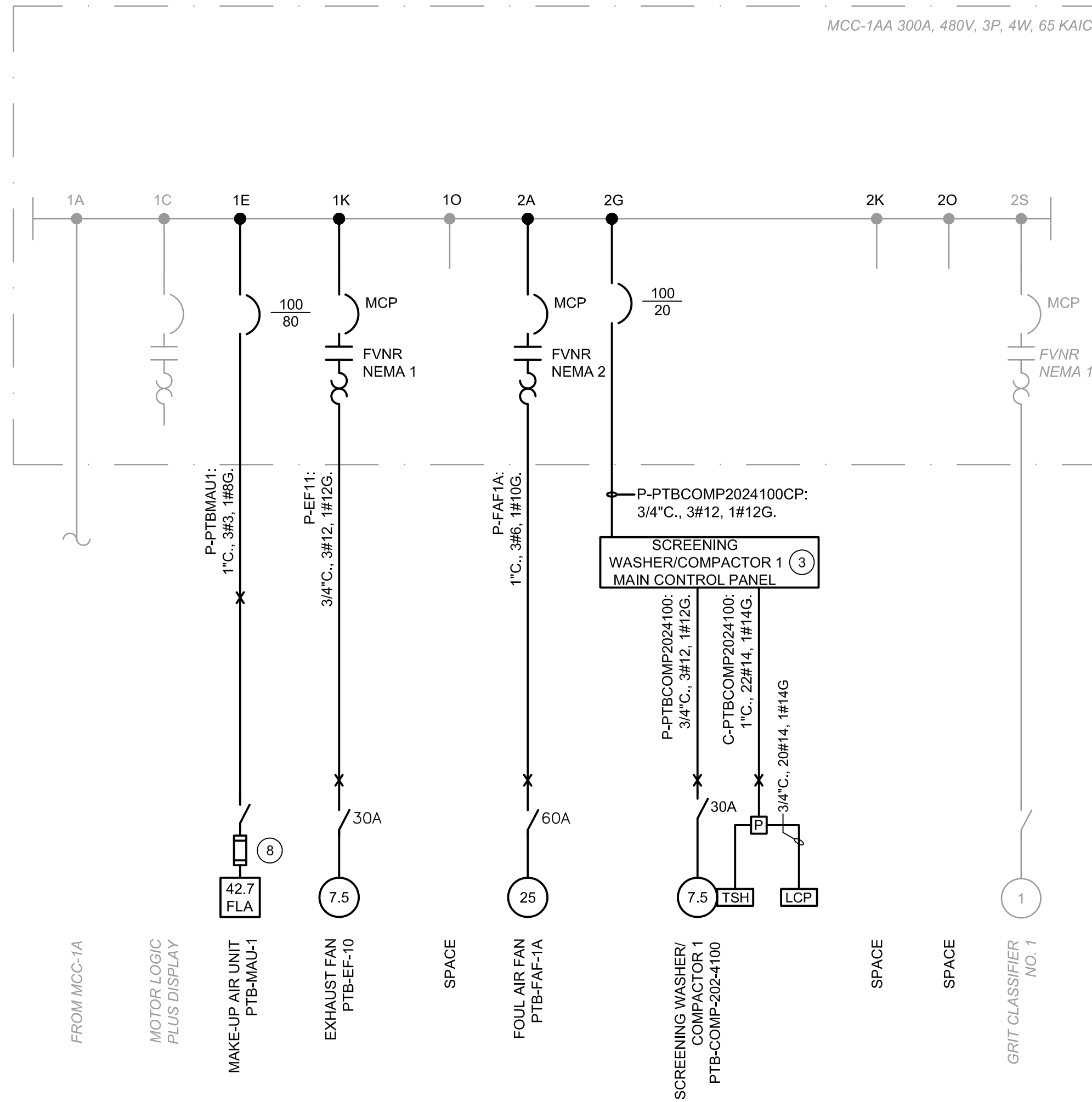
Designed: A. LUTHRA
Drawn: G. VILLAR
Checked: E. SPARGIMINO
Miss Utility Transmittal #:

Filename: 1003HDP1.dwg
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Plotted: May 14, 2021
Plotted by: VILLARGD

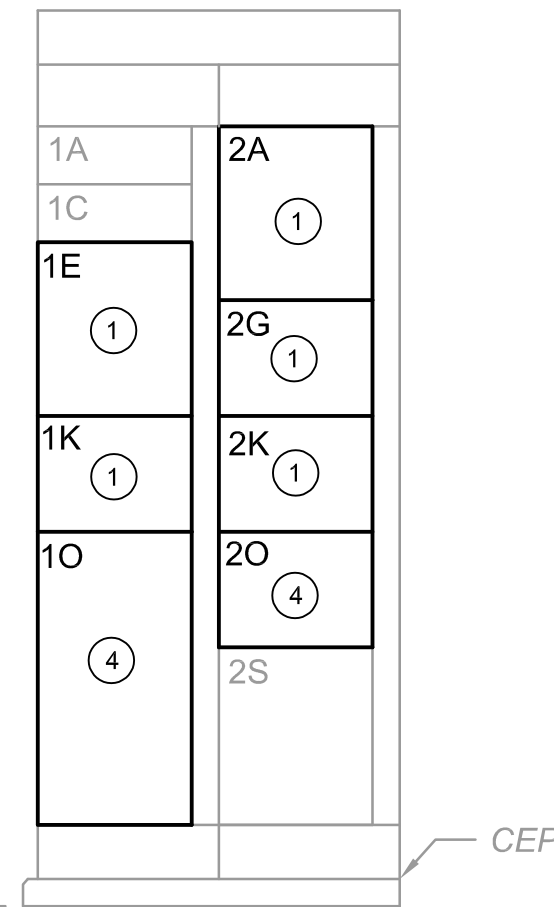
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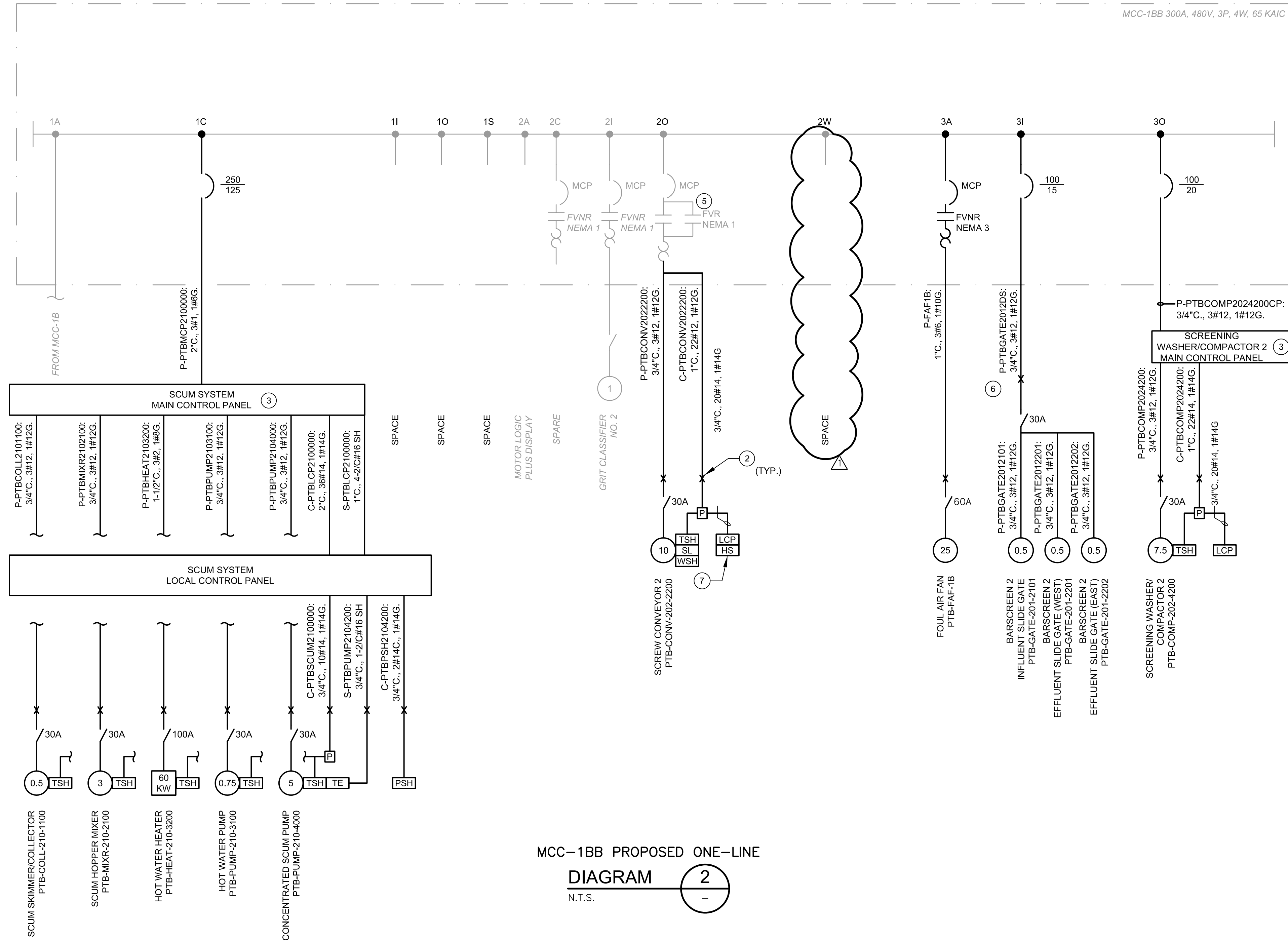
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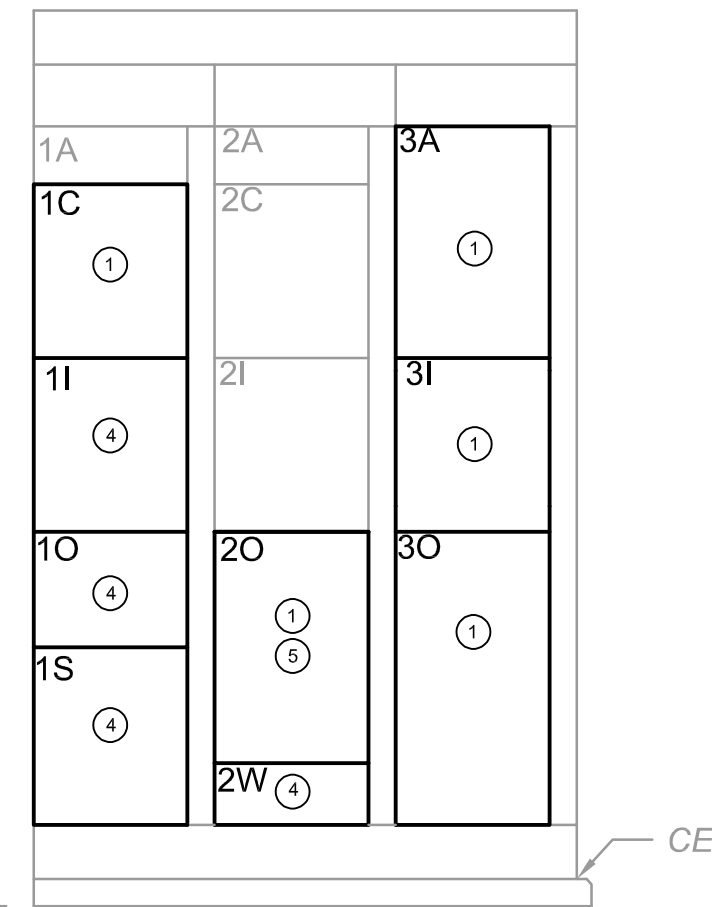
MCC-1AA PROPOSED ONE-LINE DIAGRAM
N.T.S.



MCC-1AA PROPOSED ELEVATION
N.T.S.



MCC-1BB PROPOSED ONE-LINE DIAGRAM
N.T.S.

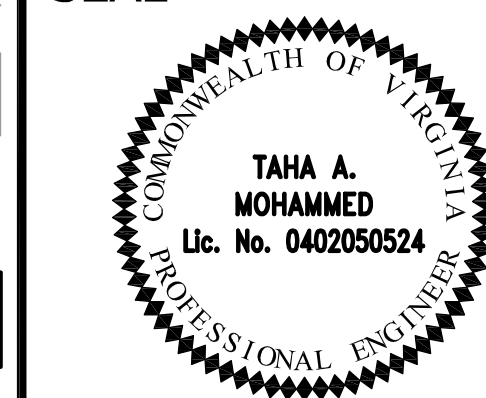


MCC-1BB PROPOSED ELEVATION
N.T.S.

KEYED NOTES:

- 1 FIELD MODIFY EXISTING MCC-1AA AND MCC-1BB BUCKETS AND PROVIDE NEW CIRCUIT BREAKER AND MOTOR STARTER COMPLETE WITH BUCKET DOOR, THRU-DOOR OPERATING HANDLE, IDENTIFICATION NAMEPLATE, AND ALL OTHER NECESSARY AUXILIARY EQUIPMENT. CIRCUIT BREAKER SHALL MATCH EXISTING MCC-1AA, MCC-1BB IN ALL RESPECTS INCLUDING SHORT CIRCUIT RATING (KAIC).
- 2 CONTRACTOR MAY RE-USE EXISTING CONDUITS FOR NEW WIRES FROM THE UNCLASSIFIED SPACE TO THE SCREENINGS ROOM. PROVIDE PULLBOX AND NEW EXPLOSION-PROOF SEAL-OFF AND NEW CONDUIT & WIRES TO THE EQUIPMENT.
- 3 EQUIPMENT FURNISHED BY THE MANUFACTURER TO BE INSTALLED IN THE PANEL ROOM. SEE SHEET E-20 FOR LOCATION.
- 4 PROVIDE BLANKING PANELS AND LABEL "SPACE" OR "SPARE" AS INDICATED ON THE ONE-LINE DIAGRAM.
- 5 EXISTING MOTOR STARTERS TO REMAIN AND BE MODIFIED. REFER TO SCHEMATIC DIAGRAMS FOR MODIFICATIONS.
- 6 CONTRACTOR MAY RE-USE EXISTING CONDUITS FROM EXISTING MCC AND DCU TO THE BARSCREEN SLIDE GATES PROVIDED EXISTING CONDUITS ARE IN GOOD CONDITION. PROVIDE NEW EXPLOSION-PROOF SEALOFFS IN ACCORDANCE WITH NEC.
- 7 COMMON EMERGENCY STOP PULLCORD FOR BOTH SCREW CONVEYORS LOCATED ON THE 2ND FLOOR OF THE SCREEN ROOM.
- 8 FUSE SIZED PER MANUFACTURER'S RECOMMENDATIONS.

SEAL



APPROVALS DATE

100% BID SET

Revisions Date

ADDENDUM NO. 1 (TAM) 6/1/21

Project Name and Location
Water Pollution Control Plant
Preliminary Treatment Upgrades (WPB2) Phase 9B
MCC-1AA, MCC-1BB
PROPOSED ONE-LINE DIAGRAM AND ELEVATION

Designed: R. MAGSIPOC
Drawn: T. BRENNEN
Checked: T. MOHAMMED
Miss Utility Transmittal #:

Filename: E008NFOL.dwg
Path: c:\pw_p\11\magsioc\m\1255086
Plotted: May 28, 2021
Plotted by: MAGSIPOCRM

Scale: AS NOTED