

|    |   |                     |                   |
|----|---|---------------------|-------------------|
| 1  | <b>TABLE OF CONTENTS MEP BIDDERS</b>  | <b>(Rev 8/2022)</b> |                   |
| 2  |   |                     |                   |
| 3  | Division Project No. <b>2112V</b>   |                     |                   |
| 4  |   |                     |                   |
| 5  | <b>DIVISION 01 - MEP BIDDING REQUIREMENTS</b>                                     |                     | <b>Pages Thru</b> |
| 6  | TITLE PAGE  |                     | 1                 |
| 7  | TABLE OF CONTENTS   |                     | TC-5              |
| 8  |   |                     |                   |
| 9  | <b>MEP BIDDING REQUIREMENTS</b>   |                     |                   |
| 10 | MEP Invitation to Bid   |                     | A-2               |
| 11 | MEP Instructions to Bidders   |                     | B-11              |
| 12 | Bid Form – Mechanical, Electrical, Plumbing, and Fire Protection (MEP)            |                     | C-5               |
| 13 | Sealed Bid Envelope Label   |                     | 1                 |
| 14 | Mechanical Electrical Plumbing and Fire Protection (MEP) Bid Bond Form (DOA-4189) |                     | 1                 |
| 15 | Designation of Confidential and Proprietary Information Form (DOA-3027)           |                     | 1                 |
| 16 |   |                     |                   |
| 17 | <b>DIVISION 01</b>  |                     |                   |
| 18 | General Requirements  |                     | GR-17             |
| 19 | DHS – Contractor Site Access and Working Requirements                             |                     | 4                 |
| 20 | 01 74 19 Construction Waste Management  |                     | 01 74 19-4        |
| 21 | 01 91 01 Commissioning Process  |                     | 01 91 01-4        |
| 22 |   |                     |                   |
| 23 | <b>APPENDIX #1 – GENERAL PRIME CONTRACTOR (GPC) BIDDING AND CONTRACT</b>          |                     |                   |
| 24 | <b>DOCUMENTS</b>  |                     |                   |
| 25 | Form A - Affidavit of Compliance – MBE / DVB Provisions (DOA-4266)                |                     | 2                 |
| 26 | Request for Submittal Approval (DOA-4523)   |                     | 1                 |
| 27 | Request for Subcontractors Approval (DOA-4225)                                    |                     | 1                 |
| 28 |   |                     |                   |
| 29 | <b>CONTRACT FORMS</b>   |                     |                   |
| 30 | Performance Bond Form (DOA-4188)  |                     | 2                 |
| 31 | Payment Bond Form (DOA-4187)  |                     | 2                 |
| 32 | Contract Form (DOA-4504)  |                     | 2                 |
| 33 |   |                     |                   |
| 34 | <b>CONDITIONS OF THE CONTRACT</b>   |                     |                   |
| 35 | Index to General Conditions   |                     | 1                 |
| 36 | General Conditions of the General Prime Contractor Contract (DOA-4193P)           |                     | 34                |
| 37 | Supplementary General Conditions  |                     | SGC-1             |
| 38 | Submittal Log   |                     | SL-2              |
| 39 |   |                     |                   |
| 40 | <b><u>SPECIFICATION VOLUME 2</u></b>  |                     |                   |
| 41 | <b>DIVISION 02 – EXISTING CONDITIONS</b>  |                     |                   |
| 42 | Section Title   |                     |                   |
| 43 | 02 05 00 Common Work Results for Existing Conditions                              |                     | 02 05 00-4        |
| 44 | 02 41 13 Demolition   |                     | 02 41 13-6        |
| 45 | 02 41 19 Selective Demolition   |                     | 02 41 19-4        |
| 46 | 02 82 13 Asbestos Abatement   |                     | 02 82 13-25       |
| 47 |   |                     |                   |
| 48 | <b>DIVISION 03 - CONCRETE</b>   |                     |                   |
| 49 | Section Title   |                     | <b>Pages Thru</b> |
| 50 | 03 08 00 Commissioning of Concrete  |                     | 03 08 00-6        |
| 51 | 03 30 00 Cast-In-Place Concrete   |                     | 03 30 00-21       |
| 52 |   |                     |                   |
| 53 | <b>DIVISION 04 - MASONRY</b>  |                     |                   |
| 54 | Section Title   |                     | <b>Pages Thru</b> |
| 55 | 04 08 00 Commissioning of Masonry   |                     | 04 08 00-6        |
| 56 | 04 20 00 Unit Masonry   |                     | 04 20 00-9        |
| 57 |   |                     |                   |

|    |   |  |               |
|----|---|--|---------------|
| 1  |   |  |               |
| 2  |   |  |               |
| 3  | DIVISION 05 - METALS                                    |  |               |
| 4  | Section   | Title  | Pages Thru    |
| 5  | 05 12 00  | Structural Steel Framing                                     | 05 12 00-10   |
| 6  | 05 31 00  | Steel Decking  | 05 31 00-6    |
| 7  | 05 40 00  | Cold-Formed Steel Framing                                    | 05 40 00-7    |
| 8  | 05 53 13  | Metal Gratings   | 05 53 13-6    |
| 9  |   |  |               |
| 10 | DIVISION 06 – WOOD, PLASTICS AND COMPOSITES             |  |               |
| 11 | Section   | Title  | Pages Thru    |
| 12 | 06 10 53  | Miscellaneous Rough Carpentry                                | 06 10 53-5    |
| 13 | 06 10 53.01   | Miscellaneous Rough Carpentry-Roofing                        | 06 10 53.01-2 |
| 14 |   |  |               |
| 15 | DIVISION 07 - THERMAL AND MOISTURE PROTECTION           |  |               |
| 16 | Section   | Title  | Pages Thru    |
| 17 | 07 21 00  | Thermal Insulation   | 07 21 00-4    |
| 18 | 07 27 26  | Fluid-Applied Air and Water Resistive Barrier                | 07 27 26-7    |
| 19 | 07 53 23  | Ethylene-Propylene-Diene-Monomer Roofing                     | 07 53 23-18   |
| 20 | 07 53 23  | Roofing System 5-yr Guarantee                                | 07 53 23-2    |
| 21 | 07 63 00  | Sheet Metal Roofing Specialties                              | 07 63 00-5    |
| 22 | 07 84 00  | Firestopping   | 07 84 00-9    |
| 23 | 07 92 10  | Joint Sealants   | 07 92 10-6    |
| 24 |   |  |               |
| 25 | DIVISION 08 - OPENINGS                                  |  |               |
| 26 | Section   | Title  | Pages Thru    |
| 27 | 08 11 13  | Hollow Metal Doors and Frames                                | 08 11 13-8    |
| 28 | 08 36 13  | Sectional Doors  | 08 36 13-8    |
| 29 | 08 44 13  | Glazed Aluminum Curtain Walls                                | 08 44 13-8    |
| 30 | 08 44 13  | Window Guarantee   | 08 44 13-2    |
| 31 | 08 71 00  | Door Hardware  | 08 71 00-11   |
| 32 | 08 80 00  | Glazing  | 08 80 00-8    |
| 33 |   |  |               |
| 34 | DIVISION 09 - FINISHES                                  |  |               |
| 35 | Section   | Title  | Pages Thru    |
| 36 | 09 22 16  | Non-Structural Metal Framing                                 | 09 22 16-3    |
| 37 | 09 29 00  | Gypsum Board   | 09 29 00-7    |
| 38 | 09 90 00  | Painting and Coating (Professional Line Products)            | 09 90 00-10   |
| 39 |   |  |               |
| 40 | DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING |  |               |
| 41 | Section   | Title  | Pages Thru    |
| 42 | 23 05 00  | Common Work Results for HVAC                                 | 23 05 00-7    |
| 43 | 23 05 13  | Common Motor Requirements for HVAC Equipment                 | 23 05 13-3    |
| 44 | 23 05 14  | Variable Frequency Drives                                    | 23 05 14-5    |
| 45 | 23 05 15  | Piping Specialties   | 23 05 15-5    |
| 46 | 23 05 23  | General Duty Valves for HVAC                                 | 23 05 23-10   |
| 47 | 23 05 29  | Hangers and Supports for HVAC Piping and Equipment           | 23 05 29-7    |
| 48 | 23 05 48  | Vibration and Seismic Controls for HVAC Piping and Equipment | 23 05 48-4    |
| 49 | 23 07 00  | HVAC Insulation  | 23 07 00-10   |
| 50 | 23 08 00  | Commissioning of HVAC  | 23 08 00-53   |
| 51 | 23 09 10  | Instrumentation and Controls HMI                             | 23 09 10-6    |
| 52 | 23 09 14  | Pneumatic and Electric Controls                              | 23 09 14-16   |
| 53 | 23 11 00  | Facility Fuel Piping   | 23 11 00-7    |
| 54 | 23 15 13  | General Service Compressed Air Piping                        | 23 15 13-5    |
| 55 | 23 22 13  | Steam and Condensate Heating Piping                          | 23 22 13-8    |
| 56 | 23 25 00  | HVAC Water Treatment   | 23 25 00-6    |
| 57 | 23 51 00  | Breeching and Stacks   | 23 51 00-4    |

|    |   |  |               |
|----|---|--|---------------|
| 1  | 23 52 15  | Boiler and Economizer Installation                                 | 23 52 15-8    |
| 2  | 23 53 10  | Facility Conditioned Water Distribution Piping                     | 23 53 10-6    |
| 3  | 23 55 50  | Boiler and Economizer (Pre-Purchase for Information Only)          | 23 55 50-39   |
| 4  | 23 81 26  | Split-System Ductless Air-Conditioners                             | 23 81 26-6    |
| 5  |   |  |               |
| 6  | DIVISION 26 - ELECTRICAL                                    |  |               |
| 7  | Section   | Title  | Pages Thru    |
| 8  | 26 05 00  | Common Work Results for Electrical                                 | 26 05 00-7    |
| 9  | 26 05 02  | Electrical Demolition for Remodeling                               | 26 05 02-3    |
| 10 | 26 05 04  | Cleaning, Inspection and Testing of Electrical Equipment           | 26 05 04-3    |
| 11 | 26 05 19  | Low-Voltage Electrical Power Conductors and Cables                 | 26 05 19-5    |
| 12 | 26 05 23  | Control-Voltage Electrical Power Cables                            | 26 05 23-3    |
| 13 | 26 05 26  | Grounding and Bonding for Electrical Systems                       | 26 05 26-3    |
| 14 | 26 05 29  | Hangers and Supports for Electrical Systems                        | 26 05 29-3    |
| 15 | 26 05 33  | Raceway and Boxes for Electrical Systems                           | 26 05 33-7    |
| 16 | 26 05 53  | Identification for Electrical Systems                              | 26 05 53-4    |
| 17 | 26 05 73  | Short Circuit/Coordination Study and Arc Flash Risk Assessment     | 26 05 73-5    |
| 18 | 26 08 00  | Commissioning of Electrical  | 26 08 00-43   |
| 19 | 26 22 00  | Low-Voltage Transformers   | 26 22 00-3    |
| 20 | 26 24 13  | Switchboards   | 26 24 13-6    |
| 21 | 26 24 16  | Panelboards  | 26 24 16-3    |
| 22 | 26 27 02  | Equipment Wiring Systems   | 26 27 02-3    |
| 23 | 26 27 13  | Electricity Metering   | 26 27 13-4    |
| 24 | 26 27 26  | Wiring Devices   | 26 27 26-4    |
| 25 | 26 27 28  | Disconnect Switches  | 26 27 28-2    |
| 26 | 26 28 13  | Fuses  | 26 28 13-1    |
| 27 | 26 43 13  | Surge Protective Devices for Low-Voltage Electrical Power Circuits | 26 43 13-3    |
| 28 | 26 51 13  | Interior Lighting Fixtures, Lamps, And Ballasts                    | 26 51 13-5    |
| 29 |   |  |               |
| 30 | DIVISION 31 - EARTHWORK                                     |  |               |
| 31 | Section   | Title  | Pages Thru    |
| 32 | 31 23 16.16   | Structural Excavation for Minor Structures                         | 31 23 16.16-4 |
| 33 | 31 25 00  | Erosion Control  | 31 25 00-4    |
| 34 |   |  |               |
| 35 | DRAWINGS - Bound Separately                                 |  |               |
| 36 | Title   |  | Sheets Thru   |
| 37 | Title Sheet   |  | T000          |
| 38 | Sheet Index   |  | T001          |
| 39 |   |  |               |
| 40 | Demolition Plan – Level 01                                  |  | A101          |
| 41 | Demolition Details  |  | A102          |
| 42 | New Work Plan – Level 01                                    |  | A201          |
| 43 | New Work Plan - Roof  |  | A202          |
| 44 | Reflected Ceiling Plan – Level 01                           |  | A301          |
| 45 | Wall Section and Exterior Details                           |  | A510          |
| 46 |   |  |               |
| 47 | Site Plan   |  | C100          |
| 48 |   |  |               |
| 49 | Basement Plan – Asbestos Abatement/Demolition – Area B      |  | H100B         |
| 50 | First Floor Plan – Asbestos Abatement/Demolition – Area B   |  | H101B         |
| 51 | Mezzaine Plan – Asbestos Abatement/Demolition – Area B      |  | H102B         |
| 52 | Upper Walkway Plan – Asbestos Abatement/Demolition – Area B |  | H103B         |
| 53 | Roof Plan – Asbestos Abatement/Demolition – Area B          |  | H104B         |
| 54 | Original Plan – Boiler No. 3 – Side View                    |  | H400          |
| 55 | Original Plan – Boiler No. 3 – Section thru Boiler          |  | H401          |
| 56 | Original Plan – General Arrangement Harrington Std. Stoker  |  | H402          |
| 57 | Original Plan – Foundation Plan for Harr. Std.              |  | H403          |

|    |  |       |
|----|--|-------|
| 1  | Original Plan – Arrangement of Foundation, Steel for Boiler & Stoker Support | H404  |
| 2  | Photographs – Asbestos Abatement/Demolition                                  | H500  |
| 3  |  |       |
| 4  | Structural Notes   | S001  |
| 5  | Baghouse First Floor Demolition Plan – Area A                                | S101A |
| 6  | Main First Floor Demolition Plan – Area B                                    | S101B |
| 7  | Baghouse Mezzanine Floor Demolition Plan – Area A                            | S103A |
| 8  | Main Mezzanine Floor Demolition Plan – Area B                                | S103B |
| 9  | Baghouse Roof Demolition Plan – Area A                                       | S104A |
| 10 | Main Foundation Plan – Area B  | S200B |
| 11 | Baghouse First Floor Foundation Plan – Area A                                | S201A |
| 12 | Main First Floor Framing Plan – Area B                                       | S201B |
| 13 | Main Mezzanine Floor Framing Plan – Area B                                   | S202B |
| 14 | Baghouse Mezzanine Floor Framing Plan – Area A                               | S203A |
| 15 | Baghouse Roof Framing Plan – Area A  | S204A |
| 16 | Main Roof Framing Plan – Area B  | S204B |
| 17 | Structural Details   | S800  |
| 18 | Structural Details   | S810  |
| 19 | Structural Details   | S811  |
| 20 |  |       |
| 21 | Mechanical Symbols, Abbreviations, Sheet Index                               | M000  |
| 22 | Basement Plan - Demolition – Area B  | M100B |
| 23 | Baghouse First Floor Plan - Demolition - Area A                              | M101A |
| 24 | First Floor Plan - Demolition - Area B                                       | M101B |
| 25 | Mezzanine Plan - Demolition – Area B   | M102B |
| 26 | Baghouse Mezzanine Level Plan – Demolition – Area A                          | M103A |
| 27 | Upper Walkway Plan – Demolition – Area B                                     | M103B |
| 28 | Roof Plan – Demolition – Area B  | M104B |
| 29 | Basement Plan – New Construction – Area B                                    | M200B |
| 30 | Baghouse First Floor Plan – New Construction – Area A                        | M201A |
| 31 | First Floor Plan – New Construction – Area B                                 | M201B |
| 32 | Mezzanine Plan – New Construction – Area B                                   | M202B |
| 33 | Baghouse Mezzanine Level Plan – New Construction – Area A                    | M203A |
| 34 | Upper Walkway Plan – New Construction – Area B                               | M203B |
| 35 | Baghouse Roof Plan – New Construction – Area A                               | M204A |
| 36 | Roof Plan – New Construction – Area B  | M204B |
| 37 | Mechanical Sections  | M300  |
| 38 | Mechanical Sections  | M301  |
| 39 | Mechanical Sections  | M302  |
| 40 | Mechanical Sections  | M303  |
| 41 | Network Architecture   | M400  |
| 42 | Boiler 3 Demolition  | M401  |
| 43 | Boiler 5 P&ID Schematic  | M402  |
| 44 | Boiler 5 Instrument Schedule   | M403  |
| 45 | High Pressure Steam Demolition Schematic                                     | M406  |
| 46 | High Pressure Steam New Schematic  | M407  |
| 47 | Condensate Schematic   | M408  |
| 48 | Boiler Blowdown Demolition Schematic   | M409  |
| 49 | Boiler Blowdown New Schematic  | M410  |
| 50 | Boiler Feedwater Demolition Schematic  | M411  |
| 51 | Boiler Feedwater New Schematic   | M412  |
| 52 | Low Pressure Steam Schematic   | M413  |
| 53 | Fuel Oil Schematic   | M414  |
| 54 | Compressed Air Schematic   | M415  |
| 55 | Natural Gas Schematic  | M416  |
| 56 | Chemical Treatment Schematic   | M417  |
| 57 | Mechanical Details   | M500  |

|    |   |       |
|----|---|-------|
| 1  | Mechanical Details  | M501  |
| 2  | Mechanical Schedules                                      | M600  |
| 3  |   |       |
| 4  | Symbols, Abbreviations & Sheet Index                      | E000  |
| 5  | First Floor Plan - Demolition - Area A                    | E101A |
| 6  | First Floor Plan - Demolition - Area B                    | E101B |
| 7  | Mezzanine Plan - Demolition Plan – Area A                 | E102A |
| 8  | Mezzanine Plan - Demolition Plan – Area B                 | E102B |
| 9  | Basement Plan – New Construction – Area B                 | E200B |
| 10 | Basement Plan – New Construction – Chiller Plant – Area C | E200C |
| 11 | First Floor Plan– New Construction -Area A                | E201A |
| 12 | First Floor Plan – New Construction - Area B              | E201B |
| 13 | First Floor Plan – New Construction – Area C              | E201C |
| 14 | Mezzanine Plan – New Construction – Area A                | E202A |
| 15 | Mezzanine Plan – New Construction – Area B                | E202B |
| 16 | Coal Conveyor – Floor Plan                                | E203  |
| 17 | One Line Diagram – Symbols and Feeder Schedules           | E400  |
| 18 | One Line Diagram  | E401  |
| 19 | One Line Diagram – Continued                              | E402  |
| 20 | One Line Diagram – Continued                              | E403  |
| 21 | Electrical Details  | E500  |
| 22 | Electrical Schedules                                      | E600  |
| 23 | Electrical Schedules                                      | E601  |
| 24 |   |       |
| 25 |   |       |
| 26 |   |       |
| 27 | ***   |       |