

| | | | |
|----|---|---------------------|-------------------|
| 1 | TABLE OF CONTENTS MEP BIDDERS | (Rev 8/2022) | |
| 2 | | | |
| 3 | Division Project No. 20A3LREBID2 | | |
| 4 | | | |
| 5 | DIVISION 01 - MEP BIDDING REQUIREMENTS | | Pages Thru |
| 6 | TITLE PAGE | | 1 |
| 7 | TABLE OF CONTENTS | | TC-6 |
| 8 | | | |
| 9 | MEP BIDDING REQUIREMENTS | | |
| 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-6 |
| 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 | DIVISION 01 | | |
| 18 | General Requirements | | GR-21 |
| 19 | 01 74 19 Construction Waste Management | | 01 74 19-4 |
| 20 | 01 91 01 Commissioning Process | | 01 91 01-4 |
| 21 | | | |
| 22 | APPENDIX #1 – GENERAL PRIME CONTRACTOR (GPC) BIDDING AND CONTRACT | | |
| 23 | DOCUMENTS | | |
| 24 | Form A - Affidavit of Compliance – MBE / DVB Provisions (DOA-4266) | | 2 |
| 25 | Request for Submittal Approval (DOA-4523) | | 1 |
| 26 | Request for Subcontractors Approval (DOA-4225) | | 1 |
| 27 | | | |
| 28 | CONTRACT FORMS | | |
| 29 | Performance Bond Form (DOA-4188) | | 2 |
| 30 | Payment Bond Form (DOA-4187) | | 2 |
| 31 | Contract Form (DOA-4504) | | 2 |
| 32 | | | |
| 33 | CONDITIONS OF THE CONTRACT | | |
| 34 | Index to General Conditions | | 1 |
| 35 | General Conditions of the General Prime Contractor Contract (DOA-4193P) | | 34 |
| 36 | Supplementary General Conditions | | SGC-1 |
| 37 | Submittal Log | | SL-4 |
| 38 | | | |
| 39 | VOLUME 2 | | |
| 40 | DIVISION 02 – EXISTING CONDITIONS | | |
| 41 | Section Title | | |
| 42 | 02 41 13 Selective Removal | | 02 41 13-3 |
| 43 | | | |
| 44 | DIVISION 03 - CONCRETE | | |
| 45 | Section Title | | |
| 46 | 03 30 00 Cast-In-Place Concrete | | 03 30 00-11 |
| 47 | 03 41 00 Precast Structural Concrete | | 03 41 00-8 |
| 48 | | | |
| 49 | DIVISION 04 - MASONRY | | |
| 50 | Section Title | | |
| 51 | 04 08 00 Commissioning of Masonry | | 04 08 00-10 |
| 52 | 04 20 00 Unit Masonry | | 04 20 00-13 |
| 53 | 04 72 00 Architectural Cast Stone | | 04 72 00-6 |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |

| | | | |
|----|--|--|---------------|
| 1 | DIVISION 05 - METALS | | |
| 2 | Section | Title | |
| 3 | 05 12 00 | Structural Steel Framing | 05 12 00-5 |
| 4 | 05 50 00 | Metal Fabrications | 05 50 00-3 |
| 5 | 05 52 17 | Rooftop Fall Protection | 05 52 17-3 |
| 6 | | | |
| 7 | DIVISION 06 – WOOD, PLASTICS AND COMPOSITES | | |
| 8 | Section | Title | |
| 9 | 06 10 00 | Rough Carpentry | 06 10 00-4 |
| 10 | 06 10 53.01 | Miscellaneous Rough Carpentry – Roofing | 06 10 53.01-2 |
| 11 | 06 61 00 | Solid Surface Stools | 06 61 00-2 |
| 12 | | | |
| 13 | DIVISION 07 - THERMAL AND MOISTURE PROTECTION | | |
| 14 | Section | Title | |
| 15 | 07 08 00 | Commissioning of Thermal and Moisture Protection | 07 08 00-13 |
| 16 | 07 20 00 | Building Insulation | 07 20 00-4 |
| 17 | 07 27 26 | Fluid Applied Air / Vapor Barriers | 07 27 26-4 |
| 18 | 07 53 23 | Ethylene-Propylene-Diene-Monomer Roofing | 07 53 23-14 |
| 19 | 07 60 00 | Sheet Metal Flashings | 07 60 00-6 |
| 20 | 07 63 00 | Sheet Metal Roofing Specialties | 07 63 00-6 |
| 21 | 07 84 00 | Fire Stopping | 07 84 00-8 |
| 22 | 07 92 00 | Sealants | 07 92 00-4 |
| 23 | | | |
| 24 | DIVISION 08 - OPENINGS | | |
| 25 | Section | Title | |
| 26 | 08 08 00 | Commissioning of Exterior Building Envelope | 08 08 00-4 |
| 27 | 08 11 00 | Metal Doors and Frames | 08 11 00-4 |
| 28 | 08 14 16 | Flush Wood Doors | 08 14 16-4 |
| 29 | 08 31 00 | Access Doors and Hatches | 08 31 00-3 |
| 30 | 08 41 00 | Aluminum Storefront | 08 41 00-7 |
| 31 | 08 44 13 | Glazed Aluminum Curtain Walls | 08 44 13-9 |
| 32 | 08 71 00 | Door Hardware | 08 71 00-8 |
| 33 | 08 81 00 | Insulated Glass Units | 08 81 00-9 |
| 34 | | | |
| 35 | DIVISION 09 - FINISHES | | |
| 36 | Section | Title | |
| 37 | 09 26 00 | Gypsum Board Assemblies | 09 26 00-6 |
| 38 | 09 30 00 | Tile | 09 30 00-7 |
| 39 | 09 51 23 | Acoustical Tile Ceilings | 09 51 23-2 |
| 40 | 09 65 00 | Resilient Floor, Base, and Accessories | 09 65 00-4 |
| 41 | 09 68 00 | Carpet | 09 68 00-5 |
| 42 | 09 91 00 | Painting and Coating | 09 91 00-4 |
| 43 | | | |
| 44 | DIVISION 10 - SPECIALTIES | | |
| 45 | Section | Title | |
| 46 | 10 28 00 | Interior Accessories | 10 28 00-4 |
| 47 | | | |
| 48 | DIVISION 12 - FURNISHINGS | | |
| 49 | Section | Title | |
| 50 | 12 35 30 | Plastic Laminate Casework | 12 35 30-2 |
| 51 | | | |
| 52 | DIVISION 14 - CONVEYING SYSTEMS | | |
| 53 | Section | Title | |
| 54 | 14 08 00 | Commission of Conveying System | 14 08 00-3 |
| 55 | 14 21 20 | LULA Elevator | 14 21 20-17 |
| 56 | | | |
| 57 | | | |

| | | | |
|----|-------------------------------|--|-------------|
| 1 | DIVISION 22 - PLUMBING | | |
| 2 | Section | Title | |
| 3 | 22 05 00 | Common Work Results for Plumbing | 22 05 00-10 |
| 4 | 22 05 13 | Common Motor Requirements for Plumbing | 22 05 13-2 |
| 5 | 22 05 14 | Plumbing Specialties | 22 05 14-5 |
| 6 | 22 05 15 | Piping Specialties | 22 05 15-3 |
| 7 | 22 05 23 | General Duty Valves for Plumbing Piping | 22 05 23-4 |
| 8 | 22 05 29 | Hangers and Supports for Plumbing Piping and Equipment | 22 05 29-5 |
| 9 | 22 07 00 | Plumbing Insulation | 22 07 00-7 |
| 10 | 22 08 00 | Commissioning of Plumbing | 22 08 00-41 |
| 11 | 22 11 00 | Facility Water Distribution | 22 11 00-8 |
| 12 | 22 13 00 | Facility Sanitary Sewerage | 22 13 00-7 |
| 13 | 22 14 00 | Facility Storm Drainage | 22 14 00-8 |
| 14 | 22 30 00 | Plumbing Equipment | 22 30 00-3 |
| 15 | 22 42 00 | Commercial Plumbing Fixtures | 22 42 00-4 |

16

17 **VOLUME 3**

18 **DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING**

| | | | |
|----|-------------|---|---------------|
| 19 | Section | Title | |
| 20 | 23 01 30.51 | HVAC Air Duct Cleaning | 23 01 30.51-3 |
| 21 | 23 05 00 | Common Work Results for HVAC | 23 05 00-7 |
| 22 | 23 05 13 | Common Motor Requirements for HVAC Equipment | 23 05 13-3 |
| 23 | 23 05 14 | Variable Frequency Drives | 23 05 14-6 |
| 24 | 23 05 15 | Piping Specialties | 23 05 15-5 |
| 25 | 23 05 23 | General Duty Valves for HVAC | 23 05 23-5 |
| 26 | 23 05 29 | Hangers and Supports for HVAC Piping and Equipment | 23 05 29-5 |
| 27 | 23 05 48 | Vibration and Seismic Controls for HVAC Piping and Equipment | 23 05 48-4 |
| 28 | 23 05 93 | Testing, Adjusting and Balancing for HVAC | 23 05 93-5 |
| 29 | 23 07 00 | HVAC Insulation | 23 07 00-10 |
| 30 | 23 08 00 | Commissioning of HVAC | 23 08 00-150 |
| 31 | 23 09 14 | Pneumatic and Electric Controls | 23 09 14-18 |
| 32 | 23 09 15 | Direct Digital Control Input/Output Point Summary Tables | 23 09 15-7 |
| 33 | 23 09 24 | Direct Digital Control System for HVAC | 23 09 24-14 |
| 34 | 23 09 93 | Sequence of Operation for HVAC Controls | 23 09 93-11 |
| 35 | 23 11 00 | Facility Fuel Piping | 23 11 00-7 |
| 36 | 23 21 13 | Hydronic Piping | 23 21 13-11 |
| 37 | 23 21 23 | Hydronic Pumps | 23 21 23-3 |
| 38 | 23 23 00 | Refrigerant Piping | 23 23 00-3 |
| 39 | 23 25 00 | HVAC Water Treatment | 23 25 00-4 |
| 40 | 23 31 00 | HVAC Ducts and Casings | 23 31 00-7 |
| 41 | 23 33 00 | Air Duct Accessories | 23 33 00-5 |
| 42 | 23 34 00 | HVAC Fans | 23 34 00-3 |
| 43 | 23 36 00 | Air Terminal Units | 23 36 00-4 |
| 44 | 23 37 13 | Diffusers, Registers and Grilles | 23 37 13-2 |
| 45 | 23 41 00 | Particulate Air Filtration | 23 41 00-3 |
| 46 | 23 51 00 | Breechings, Chimneys and Stacks | 23 51 00-3 |
| 47 | 23 52 00 | Heating Boilers | 23 52 00-4 |
| 48 | 23 62 13 | Packaged Air-Cooled Refrigerant Compressor and Condensing Units | 23 62 13-4 |
| 49 | 23 73 12 | Air Handling Unit Coils | 23 73 12-3 |
| 50 | 23 73 13 | Modular Indoor Central-Station Air-Handling Units | 23 73 13-6 |
| 51 | 23 81 26 | Split-System Ductless Air-Conditioners | 23 81 26-6 |
| 52 | 23 82 00 | Heating and Cooling Terminal Units | 23 82 00-3 |
| 53 | 23 83 16 | Radiant-Heating Hydronic Piping | 23 83 16-4 |

54

55

56

57

| | | | |
|----|--|--|---------------|
| 1 | VOLUME 4 | | |
| 2 | DIVISION 26 - ELECTRICAL | | |
| 3 | Section | Title | |
| 4 | 26 05 00 | Common Work Results for Electrical | 26 05 00-7 |
| 5 | 26 05 02 | Electrical Demolition for Remodeling | 26 05 02-3 |
| 6 | 26 05 04 | Cleaning, Inspection and Testing of Electrical Equipment | 26 05 04-3 |
| 7 | 26 05 19 | Low-Voltage Electrical Power Conductors and Cables | 26 05 19-6 |
| 8 | 26 05 23 | Control-Voltage Electrical Power Cables | 26 05 23-3 |
| 9 | 26 05 26 | Grounding and Bonding for Electrical Systems | 26 05 26-5 |
| 10 | 26 05 29 | Hangers and Supports for Electrical Systems | 26 05 29-4 |
| 11 | 26 05 33 | Raceway and Boxes for Electrical Systems | 26 05 33-11 |
| 12 | 26 05 53 | Identification for Electrical Systems | 26 05 53-3 |
| 13 | 26 05 73 | Short Circuit/Coordination and Arc Flash Risk Assessment | 26 05 73-5 |
| 14 | 26 24 16 | Panelboards | 26 24 16-3 |
| 15 | 26 27 26 | Wiring Devices | 26 27 26-6 |
| 16 | 26 27 28 | Disconnect Switches | 26 27 28-2 |
| 17 | 26 28 13 | Fuses | 26 28 13-1 |
| 18 | 26 51 13 | Interior Lighting Fixtures, Lamps and Ballasts | 26 51 13-7 |
| 19 | | | |
| 20 | DIVISION 27 - COMMUNICATIONS | | |
| 21 | Section | Title | |
| 22 | 27 05 53 | Identification for Communication Systems | 27 05 53-6 |
| 23 | 27 08 00 | Commissioning of Communications | 27 08 00-18 |
| 24 | 27 10 00 | Structured Cabling | 27 10 00-26 |
| 25 | 27 11 00 | Communications Room Equipment Fittings | 27 11 00-4 |
| 26 | 27 11 13 | Communications Protection | 27 11 13-3 |
| 27 | | | |
| 28 | DIVISION 28 – ELECTRONIC SAFETY AND SECURITY | | |
| 29 | Section | Title | |
| 30 | 28 08 00 | Commissioning of Electronic Safety and Security | 28 08 00-16 |
| 31 | 28 10 00 | Access Control | 28 10 00-10 |
| 32 | 28 23 00 | Video Surveillance System | 28 23 00-7 |
| 33 | 28 31 00 | Fire Detection and Alarm | 28 31 00-31 |
| 34 | | | |
| 35 | DIVISION 30 – COMMON WORK RESULTS FOR ALL EXTERIOR WORK | | |
| 36 | Section | Title | |
| 37 | 30 05 00 | Common Work Results for Exterior Work | 30 05 00-5 |
| 38 | | | |
| 39 | DIVISION 31 - EARTHWORK | | |
| 40 | Section | Title | |
| 41 | 31 20 00 | Earthmoving | 31 20 00-6 |
| 42 | 31 22 16.15 | Roadway Subgrade Preparation | 31 22 16.15-4 |
| 43 | 31 25 00 | Erosion Control | 31 25 00-5 |
| 44 | | | |
| 45 | DIVISION 32 – EXTERIOR IMPROVEMENTS | | |
| 46 | Section | Title | |
| 47 | 32 11 23.33 | Dense Graded Base | 32 11 23.33-3 |
| 48 | 32 12 16.13 | Plant Mix Asphalt Paving | 32 12 16.13-2 |
| 49 | 32 92 00 | Mineral Mulch | 32 92 00-2 |
| 50 | 32 92 19 | Seeding | 32 92 19-3 |
| 51 | | | |
| 52 | DIVISION 33 - UTILITIES | | |
| 53 | Section | Title | |
| 54 | 33 40 00 | Storm Drainage Utilities | 33 40 00-11 |
| 55 | | | |
| 56 | | | |
| 57 | | | |

| 1 | DRAWINGS - Bound Separately | |
|----|--|-------------|
| 2 | Title | Sheets Thru |
| 3 | TITLE SHEET AND INDEX | T100 |
| 4 | CODE INFORMATION, ABBREVIATIONS AND SYMBOLS | G101 |
| 5 | SITE ACCESS, STAGING, DUST CONTROL, AND NOTES | G102 |
| 6 | | |
| 7 | SITE DETAILS | C100 |
| 8 | EXISTING CONDITIONS | C200 |
| 9 | DEMOLITON PLAN | C250 |
| 10 | EROSION CONTROL PLAN | C300 |
| 11 | GRADING AND UTILITY PLAN | C400 |
| 12 | ARCHITECTURAL SITE PLAN AND DETAILS | AC100 |
| 13 | | |
| 14 | ARCHITECTURAL LOWER LEVEL PLAN - DEMOLITION | AD100 |
| 15 | ARCHITECTURAL FIRST FLOOR PLAN - DEMOLITION | AD101 |
| 16 | ARCHITECTURAL LOWER LEVEL FLOOR PLAN | A200 |
| 17 | ARCHITECTURAL FIRST FLOOR PLAN | A201 |
| 18 | ROOF PLAN AND DETAILS | A203 |
| 19 | ARCHITECTURAL LOWER LEVEL REFLECTED CEILING PLAN | A220 |
| 20 | ARCHITECTURAL FIRST FLOOR REFLECTED CEILING PLAN | A221 |
| 21 | BUILDING ELEVATIONS | A300 |
| 22 | BUILDING SECTION | A301 |
| 23 | BUILDING SECTION | A302 |
| 24 | BUILDING SECTION | A303 |
| 25 | BUILDING SECTION | A304 |
| 26 | BUILDING SECTION | A305 |
| 27 | BUILDING SECTION | A306 |
| 28 | BUIDLING SECTION | A307 |
| 29 | WALL SECTIONS | A310 |
| 30 | WALL SECTIONS | A311 |
| 31 | WALL SECTIONS | A312 |
| 32 | WALL SECTIONS | A313 |
| 33 | WALL SECTIONS | A314 |
| 34 | PLAN AND WALL SECTIONS - LOWER LEVEL CANOPY | A315 |
| 35 | PLAN DETAILS | A501 |
| 36 | SECTION DETAILS | A502 |
| 37 | SECTION DETAILS | A503 |
| 38 | PARTITION TYPES AND DETAILS | A601 |
| 39 | ROOM FINISH PLAN AND SCHEDULE, DOOR SCHEDULE | A602 |
| 40 | CASEWORK ELEVATIONS | A603 |
| 41 | CASEWORK SECTIONS | A604 |
| 42 | ENLARGED PLANS | A605 |
| 43 | DOOR SCHEDULE, CURTAINWALL ELEVATIONS, AND DETAILS | A606 |
| 44 | | |
| 45 | DEMOLITION PLANS | SD100 |
| 46 | STRUCTURAL NOTES, LEGENDS AND SCHEDULES | S100 |
| 47 | FOUNDATION PLAN | S200 |
| 48 | FIRST FLOOR AND ROOF FRAMING PLANS | S201 |
| 49 | STRUCTURAL DETAILS | S501 |
| 50 | STRUCTURAL DETAILS | S502 |
| 51 | | |
| 52 | PLUMBING GENERAL NOTES, SYMBOLS AND ABBREVIATIONS | P000 |
| 53 | PLUMBING LOWER LEVEL DEMOLITION PLAN | PD100 |
| 54 | PLUMBING UNDER FLOOR DEMOLITION PLAN | PD100U |
| 55 | PLUMBING FIRST FLOOR DEMOLITION PLAN | PD101 |
| 56 | PLUMBING LOWER LEVEL NEW WORK PLAN | P200 |
| 57 | PLUMBING UNDER FLOOR NEW WORK PLAN | P200U |

| | | |
|----|--|-------|
| 1 | PLUMBING FIRST FLOOR PLAN NEW WORK | P201 |
| 2 | PLUMBING ISOMETRICS | P300 |
| 3 | PLUMBING DETAILS | P400 |
| 4 | | |
| 5 | MECHANICAL SYMBOLS, ABBREVIATIONS, AND VENTILATION REQUIRMENTS | M000 |
| 6 | MECHANICAL LOWER LEVEL DEMOLITION PLAN | MD100 |
| 7 | MECHANICAL FIRST FLOOR DEMOLITION PLAN | MD101 |
| 8 | MECHANICAL LOWER LEVEL NEW WORK PLAN | M200 |
| 9 | MECHANICAL FIRST FLOOR NEW WORK PLAN | M201 |
| 10 | MECHANICAL PIPING LOWER LEVEL NEW WORK PLAN | M210 |
| 11 | MECHANICAL PIPING FIRST FLOOR NEW WORK PLAN | M211 |
| 12 | MECHANICAL RADIANT FLOOR PLANS | M212 |
| 13 | MECHANICAL DETAILS | M400 |
| 14 | MECHANICAL DETAILS | M401 |
| 15 | MECHANICAL DETAILS | M402 |
| 16 | MECHANICAL SCHEDULES | M500 |
| 17 | | |
| 18 | COMMUNICATIONS AND ELECTRICAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS | E000 |
| 19 | ELECTRICAL LOWER-LEVEL DEMOLITION PLAN | ED100 |
| 20 | ELECTRICAL FIRST FLOOR DEMOLITION PLAN | ED101 |
| 21 | COMMUNICATIONS AND ELECTRONIC SECURITY LOWER-LEVEL DEMOLITION PLAN | ED110 |
| 22 | COMMUNICATIONS AND ELECTRONIC SECURITY FIRST FLOOR DEMOLITION PLAN | ED111 |
| 23 | ELECTRICAL POWER AND FIRE ALARM LOWER-LEVEL NEW WORK PLAN | E200 |
| 24 | ELECTRICAL POWER AND FIRE ALARM FIRST FLOOR NEW WORK PLAN | E201 |
| 25 | COMMUNICATIONS AND ELECTRONIC SECURITY LOWER-LEVEL NEW WORK PLAN | E210 |
| 26 | COMMUNICATIONS AND ELECTRONIC SECURITY FIRST LEVEL NEW WORK PLAN | E211 |
| 27 | ELECTRICAL LIGHTING LOWER-LEVEL NEW WORK PLAN | E220 |
| 28 | ELECTRICAL LIGHTING FIRST FLOOR NEW WORK PLAN | E221 |
| 29 | ELECTRICAL SCHEDULES AND DETAILS | E400 |
| 30 | ELECTRICAL PANEL SCHEDULES | E401 |
| 31 | ELECTRICAL DETAILS | E500 |
| 32 | FIRE ALARM DETAILS | E501 |
| 33 | COMMUNICATION DETAILS | E502 |
| 34 | COMMUNICATION DETAILS | E503 |
| 35 | ELECTRICAL ONE-LINE DIAGRAM | E600 |
| 36 | | |
| 37 | | |
| 38 | | |
| 39 | *** | |