

1	TABLE OF CONTENTS MEP BIDDERS	(Rev 8/2022)	
2			
3	Division Project No. 21C1P		
4			
5	VOLUME 1		
6			
7	DIVISION 01 - MEP BIDDING REQUIREMENTS		Pages Thru
8	TITLE PAGE		1
9	TABLE OF CONTENTS		TC-4
10			
11	MEP BIDDING REQUIREMENTS		
12	MEP Invitation to Bid		A-2
13	MEP Instructions to Bidders		B-11
14	Bid Form – Mechanical, Electrical, Plumbing, and Fire Protection (MEP)		C-7
15	Sealed Bid Envelope Label		1
16	Mechanical Electrical Plumbing and Fire Protection (MEP) Bid Bond Form (DOA-4189)		1
17	Designation of Confidential and Proprietary Information Form (DOA-3027)		1
18			
19	DIVISION 01		
20	General Requirements		GR-15
21	01 33 00 Electronic Submittal Procedures		01 33 00-6
22	01 74 19 Construction Waste Management		01 74 19-4
23	01 91 01 Commissioning Process		01 91 01-4
24			
25	APPENDIX #1 – GENERAL PRIME CONTRACTOR (GPC) BIDDING AND CONTRACT		
26	DOCUMENTS		
27	Form A - Affidavit of Compliance – MBE / DVB Provisions (DOA-4266)		2
28	Request for Submittal Approval (DOA-4523)		1
29	Request for Subcontractors Approval (DOA-4225)		1
30			
31	CONTRACT FORMS		
32	Performance Bond Form (DOA-4188)		2
33	Payment Bond Form (DOA-4187)		2
34	Contract Form (DOA-4504)		2
35			
36	CONDITIONS OF THE CONTRACT		
37	Index to General Conditions		1
38	General Conditions of the General Prime Contractor Contract (DOA-4193P)		34
39	Supplementary General Conditions		SGC-1
40	Submittal Log		SL-2
41			
42	VOLUME 2		
43			
44	DIVISION 02 – EXISTING CONDITIONS		
45	Section Title		
46	02 41 13 Demolition		02 41 13-4
47			
48	DIVISION 05 - METALS		
49	Section Title		
50	05 40 00 Cold-Formed Metal Framing		05 40 00-4
51	05 50 00 Metal Fabrications		05 50 00-3
52			
53	DIVISION 06 – WOOD, PLASTICS AND COMPOSITES		
54	Section Title		
55	06 10 53.01 Miscellaneous Rough Carpentry – Roofing		06 10 53.01-2
56			

1	DIVISION 07 - THERMAL AND MOISTURE PROTECTION		
2	Section	Title	
3	07 08 00	Commissioning of Thermal and Moisture Protection	07 08 00-9
4	07 21 19	Foamed-in-Place Insulation	07 21 19-2
5	07 53 23	Ethylene-Propylene-Diene-Monomer Roofing	07 53 23-16
6	DOA 4522A	State of Wisconsin Roofing System 1-yr Guarantee	2
7	07 63 00	Sheet Metal Roofing Specialties	07 63 00-6
8	07 84 00	Fire Stopping	07 84 00-9
9	07 90 05	Joint Sealers	07 90 05-4
10			
11	DIVISION 09 - FINISHES		
12	Section	Title	
13	09 21 00	Metal Studs	09 21 00-2
14	09 21 16	Gypsum Board Assemblies	09 21 16-4
15	09 65 00	Resilient Flooring	09 65 00-3
16	09 90 00	Painting and Coating	09 90 00-10
17			
18	DIVISION 13 – EQUIPMENT		
19	Section	Title	
20	13 90 00	Metal Soffits	13 90 00-2
21			
22	DIVISION 21 – FIRE SUPPRESSION		
23	Section	Title	
24	21 05 00	Common Work Results for Fire Protection	21 05 00-6
25	21 05 29	Hangers and Supports for Fire Protection Piping and Equipment	21 05 29-4
26	21 08 00	Commissioning of Fire Protection	21 08 00-8
27	21 10 00	Water-Based Fire Protection Systems	21 10 00-7
28			
29	DIVISION 22 – PLUMBING		
30	Section	Title	
31	22 05 00	Common Work Results for Plumbing	22 05 00-6
32	22 05 14	Plumbing Specialties	22 05 14-2
33	22 08 00	Commissioning of Plumbing	22 08 00-9
34	22 13 00	Facility Sanitary Sewerage	22 13 00-5
35			
36	DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING		
37	Section	Title	
38	23 05 00	Common Work Results for HVAC	23 05 00-7
39	23 05 13	Common Motor Requirements for HVAC Equipment	23 05 13-3
40	23 05 14	Variable Frequency Drives	23 05 14-6
41	23 05 15	Piping Specialties	23 05 15-5
42	23 05 23	General Duty Valves for HVAC	23 05 23-4
43	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-6
44	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	23 05 48-3
45	23 05 93	Testing, Adjusting and Balancing for HVAC	23 05 93-5
46	23 07 00	HVAC Insulation	23 07 00-9
47	23 08 00	Commissioning of HVAC	23 08 00-105
48	23 09 14	Pneumatic and Electric Controls	23 09 14-15
49	23 09 15	Direct Digital Control Input/Output Point Summary Tables	23 09 15-2
50	23 09 24	Direct Digital Control System for HVAC (Informational Purposes only)	23 09 24-15
51	23 09 93	Sequence of Operation for HVAC Controls	23 09 93-10
52	23 21 13	Hydronic Piping	23 21 13-12
53	23 21 23	Hydronic Pumps	23 21 23-3
54	23 25 00	HVAC Water Treatment	23 25 00-4
55	23 31 00	HVAC Ducts and Casings	23 31 00-7
56	23 33 00	Air Duct Accessories	23 33 00-6
57	23 37 13	Diffusers, Registers and Grilles	23 37 13-3

1	23 41 00	Particulate Air Filtration	23 41 00-3
2	23 72 00	Air-to-Air Energy Recovery Equipment	23 72 00-4
3	23 73 12	Air Handling Unit Coils	23 73 12-3
4	23 73 23	Factory Fabricated Custom Air Handling Units	23 73 23-9
5	23 82 00	Heating and Cooling Terminal Units	23 82 00-3
6			
7	DIVISION 26 - ELECTRICAL		
8	Section	Title	
9	26 05 00	Common Work Results for Electrical	26 05 00-7
10	26 05 02	Electrical Demolition for Remodeling	26 05 02-3
11	26 05 19	Low-Voltage Electrical Power Conductors and Cables	26 05 19-6
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 29-4
15	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33-9
16	26 05 53	Identification for Electrical Systems	26 05 53-3
17	26 05 73	Short Circuit-Coordination Study	26 05 73-6
18	26 08 00	Commissioning of Electrical	26 08 00-28
19	26 24 16	Panelboards	26 24 16-4
20	26 27 26	Wiring Devices	26 27 26-3
21	26 29 00	Low-Voltage Controllers	26 29 00-3
22	26 41 13.14	Lightning Protection for Buildings-Roof Level Upgrade	26 41 13.14-3
23	26 51 13	Interior Lighting Fixtures, Lamps and Ballasts	26 51 13-6
24			
25	DIVISION 28 – ELECTRONIC SAFETY AND SECURITY		
26	28 08 00	Commissioning of Electronic Safety and Security	28 08 00-15
27	28 31 00	Fire Detection and Alarm	28 31 00-18
28			
29	DRAWINGS - Bound Separately		
30	Title		Sheets Thru
31			
32	<u>GENERAL</u>		
33	TITLE SHEET		T000
34	LIFE SAFETY PLAN		T101
35	LIFE SAFETY PLAN		T102
36	FIRST THROUGH ELEVENTH FLOOR – STAGING AND DUST BARRIERS		T200
37			
38	<u>STRUCTURAL</u>		
39	STRUCTURAL NOTE SHEET		S001
40	FLOOR FRAMING PLANS (2 ND – 10 TH FLOORS)		S100
41	FLOOR FRAMING PLAN (11 TH FLOOR)		S101
42	12 TH FLOOR FRAMING PLAN		S102
43			
44	<u>ARCHITECTURAL</u>		
45	FIRST FLOOR		A100
46	FLOOR PLANS (2 ND – 10 TH FLOORS)		A101
47	FLOOR PLANS 11 TH FLOOR		A102
48	12 TH FLOOR DEMOLITION PLAN		A103
49	12 TH FLOOR NEW WORK PLAN		A104
50	12 TH FLOOR DETAILS		A105
51			
52	<u>FIRE SUPPRESSION</u>		
53	SECOND THROUGH TENTH FLOOR – DEMOLITION – FIRE PROTECTION		F108
54	ELEVENTH FLOOR – DEMOLITION – FIRE PROTECTION		F109
55	SECOND THROUGH TENTH FLOOR – NEW CONSTRUCTION – FIRE PROTECTION		F208
56	ELEVENTH FLOOR – NEW CONSTRUCTION – FIRE PROTECTION		F209
57			

1	<u>PLUMBING</u>	
2	ELEVENTH FLOOR – DEMOLITION AND NEW CONSTRUCTION – PLUMBING	P100
3	TWELFTH FLOOR – DEMOLITION AND NEW CONSTRUCTION – PLUMBING	P200
4		
5	<u>HEATING, VENTILATING AND AIR CONDITIONING</u>	
6	MECHANICAL SYMBOLS AND ABBREVIATIONS	M001
7	ELEVENTH FLOOR – DEMOLITION – MECHANICAL	M109
8	FIRST FLOOR – DEMOLITION – PIPING	M121
9	SECOND THROUGH ELEVENTH FLOOR – DEMOLITION – PIPING	M128
10	SECOND THROUGH FIFTH FLOOR – NEW CONSTRUCTION – MECHANICAL	M207
11	SIXTH THROUGH TENTH FLOOR – NEW CONSTRUCTION – MECHANICAL	M208
12	ELEVENTH FLOOR – NEW CONSTRUCTION – MECHANICAL	M209
13	TWELFTH FLOOR – NEW CONSTRUCTION – MECHANICAL	M210
14	FIRST FLOOR – NEW CONSTRUCTION – PIPING	M221
15	SECOND THROUGH ELEVENTH FLOOR – NEW CONSTRUCTION – PIPING	M228
16	TWELFTH FLOOR – NEW CONSTRUCTION – PIPING	M229
17	HOT WATER SYSTEM SCHEMATIC	M400
18	CHILLED WATER SYSTEM SCHEMATIC	M401
19	MECHANICAL DETAILS	M500
20	MECHANICAL DETAILS	M501
21	MECHANICAL DETAILS	M502
22	FIRE FIGHTER SMOKE CONTROL SYSTEM	M503
23	SECTION VIEW – EAST EXHAUST RISER	M600
24	SECTION VIEW – WEST EXHAUST RISER	M601
25	SECTION VIEW – MECHANICAL	M602
26	SECTION VIEW – MECHANICAL	M603
27	MECHANICAL SCHEDULES	M800
28		
29	<u>ELECTRICAL</u>	
30	ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES	E001
31	PARTIAL BASEMENT FLOOR PLAN – NEW WORK - ELECTRICAL	E100
32	SECOND THROUGH TENTH FLOOR PLAN – DEMOLITION AND NEW WORK –	
33	ELECTRICAL	E101
34	ELEVENTH FLOOR PLAN DEMOLITION AND NEW WORK – ELECTRICAL	E102
35	TWELFTH FLOOR OVERALL PLAN – NEW WORK – ELECTRICAL	E103
36	ELECTRICAL SCHEDULES	E200
37	ONE-LINE DIAGRAM (REFERENCE ONLY)	E300
38	PARTIAL ONE-LINE DIAGRAM – DEMOLITION AND NEW WORK	E301
39	ELECTRICAL DETAILS	E400
40		
41	***	