

1 **TABLE OF CONTENTS MEP BIDDERS (Rev 1/2023)**

2
3 Division Project No. **2111H**

4	DIVISION 01 - MEP BIDDING REQUIREMENTS	Pages Thru
5	TITLE PAGE	2
6	TABLE OF CONTENTS	TC-7

7
8 **MEP BIDDING REQUIREMENTS**

9	MEP Invitation to Bid	A-2
10	MEP Instructions to Bidders	B-11
11	Bid Form – Mechanical, Electrical, Plumbing, and Fire Protection (MEP)	C-7
12	Sealed Bid Envelope Label	1
13	Mechanical Electrical Plumbing and Fire Protection (MEP) Bid Bond Form (DOA-4189)	1
14	Designation of Confidential and Proprietary Information Form (DOA-3027)	1

15
16 **DIVISION 01**

17	General Requirements	GR-20
18	DOC – Contractor Site Access and Working Requirements (Men, Women, Juvenile)	SGR-6
19	DOC – Facility Security Clearance Background Check	1
20	DOC – Sexual Abuse and Sexual Harassment in Confinement: A Guide for Volunteers and Contractors	2
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
26 **APPENDIX #1 – GENERAL PRIME CONTRACTOR (GPC) BIDDING AND CONTRACT**
27 **DOCUMENTS**

28	Form A - Affidavit of Compliance – MBE / DVB Provisions (DOA-4266)	2
29	Request for Submittal Approval (DOA-4523)	1
30	Request for Subcontractors Approval (DOA-4225)	1
31		
32	CONTRACT FORMS	
33	Performance Bond Form (DOA-4188)	2
34	Payment Bond Form (DOA-4187)	2
35	Contract Form (DOA-4504)	2
36		
37	CONDITIONS OF THE CONTRACT	
38	Index to the General Conditions	1
39	General Conditions of the General Prime Contractor Contract (DOA-4193P)	34
40	Supplementary General Conditions	SGC-1
41	Submittal Log	SL-4

42
43
44 **VOLUME 2**

45 **DIVISION 02 – EXISTING CONDITIONS**

46	Section	Title	
47	02 05 00	Common Work Results for Existing Conditions	02 05 00-4
48	02 41 13	Demolition	02 41 13-5

49
50 **DIVISION 03 – CONCRETE**

51	Section	Title	
52	03 08 00	Commissioning of Concrete	03 08 00-10
53	03 10 00	Concrete Formwork	03 10 00-7
54	03 20 00	Reinforcing Steel	03 20 00-9
55	03 30 00	Cast-In-Place Concrete	03 30 00-34
56	03 35 00	Concrete Hardener-Sealer	03 35 00-3
57	03 41 00	Precast Prestressed Concrete	03 41 00-9

1	DIVISION 04 – MASONRY		
2	Section	Title	
3	04 08 00	Commissioning of Masonry	04 08 00-6
4	04 20 00	Unit Masonry	04 20 00-13
5			
6	DIVISION 05 – METALS		
7	Section	Title	
8	05 05 19	Post-Installed Anchors in Concrete and Masonry (CMU)	05 05 19-9
9	05 10 00	Structural Steel	05 10 00-16
10	05 20 00	Steel Joists	05 20 00-5
11	05 30 00	Metal Deck	05 30 00-8
12	05 50 00	Metal Fabrications	05 50 00-10
13	05 59 33	Modular Stainless Steel Countertops	05 59 33-2
14			
15	DIVISION 06 – WOOD, PLASTICS AND COMPOSITES		
16	Section	Title	
17	06 10 00	Rough Carpentry	06 10 00-7
18	06 10 53.01	Miscellaneous Rough Carpentry – Roofing	06 10 53.01-2
19	06 20 00	Finish Carpentry	06 20 00-4
20	06 40 00	Architectural Woodwork	06 40 00-6
21	06 61 00	Solid Surfacing Material Fabrications	06 61 00-3
22			
23	DIVISION 07 – THERMAL AND MOISTURE PROTECTION		
24	Section	Title	
25	07 08 00	Commissioning of Thermal and Moisture Protection	07 08 00-17
26	07 10 16	Waterproofing for Utilities	07 10 16-4
27	07 21 00	Building Insulation	07 21 00-5
28	07 27 26	Fluid Applied Membrane Air Barrier	07 27 26-9
29	07 42 13.13	Preformed Metal Wall Panels	07 42 13.13-5
30	07 53 23	Ethylene-Propylene-Diene-Monomer Roofing	07 53 23-17
31	State of Wisconsin – Roofing System 5-yr Guarantee		2
32	07 63 00	Sheet Metal Roofing Specialties	07 63 00-7
33	State of Wisconsin – Metal Roofing/Wall Panel System 20-yr Guarantee		2
34	07 84 00	Fire Stopping	07 84 00-9
35	07 90 00	Joint Sealants	07 90 00-7
36	07 92 16	Security Sealant	07 92 16-2
37			
38	DIVISION 08 – OPENINGS		
39	Section	Title	
40	08 08 00	Commissioning of Exterior Building Envelope	08 08 00-6
41	08 11 13	Hollow Metal Doors and Frames	08 11 13-4
42	08 31 13	Access Doors & Frames	08 31 13-2
43			
44	<u>VOLUME 3</u>		
45	DIVISION 08 – OPENINGS (CONTINUED)		
46	08 41 00	Aluminum Storefront Framing Systems	08 41 00-9
47	08 70 00	Finish Hardware	08 70 00-7
48	08 71 00	Security Screws	08 71 00-2
49	08 80 00	Glass and Glazing	08 80 00-11
50	08 83 00	Mirrors	08 83 00-2
51	08 88 53	Security Glazing	08 88 53-6
52			
53	DIVISION 09 – FINISHES		
54	Section	Title	
55	09 21 16	Gypsum Board Assemblies	09 21 16-26
56	09 22 00	Drywall Ceiling Support Assemblies	09 22 00-3
57	09 30 00	Tiling	09 30 00-8

1	09 51 00	Acoustical Ceilings	09 51 00-5
2	09 57 53.33	Suspended Metal Security Panel Ceiling System	09 57 53.33-5
3	09 65 00	Resilient Flooring	09 65 00-7
4	09 65 13	Resilient Rubber Base	09 65 13-3
5	09 65 16.23	Sheet Vinyl Flooring	09 65 16.23-6
6	09 67 26	Epoxy Quartz Flooring	09 67 26-5
7	09 68 13.33	Modular flooring for Commercial Application	09 68 13.33-8
8	09 83 19	Acoustical Wall Panels	09 83 19-3
9	09 90 00	Painting and Finishing	09 90 00-12
10	09 91 16	Painting for Utilities	09 91 16-3
11	09 96 56	Epoxy Coatings	09 96 56-8
12			
13	DIVISION 10 – SPECIALTIES		
14	Section	Title	
15	10 22 26	Paired Panel Operable Partitions	10 22 26-6
16	10 26 13	Corner Guards and Handrails	10 26 13-4
17	10 26 23	Rigid Vinyl Wall Sheet Wall Protection System	10 26 23-4
18	10 28 00	Toilet Accessories	10 28 00-3
19	10 44 00	Fire Extinguishers and Cabinets	10 44 00-3
20			
21	DIVISION 11 – EQUIPMENT		
22	Section	Title	
23	11 19 00	General Requirements for Detention Equipment	11 19 00-9
24	11 19 10	Detention Doors and Frames	11 19 10-11
25	11 19 15	Detention Furniture	11 19 15-2
26	11 19 20	Detention Equipment Hardware	11 19 20-8
27			
28	DIVISION 12 – FURNISHINGS		
29	Section	Title	
30	12 24 23	Manual Roller Shades	12 24 13-4
31			
32	<u>VOLUME 4</u>		
33	DIVISION 21 – FIRE SUPPRESSION		
34	Section	Title	
35	21 05 00	Common Work Results for Fire Protection	21 05 00-11
36	21 05 29	Hangers and Supports for Fire Protection Piping and Equipment	21 05 29-5
37	21 08 00	Commissioning of Fire Protection	21 08 00-10
38	21 10 00	Water-Based Fire Protection Systems	21 10 00-9
39			
40	DIVISION 22 – PLUMBING		
41	Section	Title	
42	22 05 00	Common Work Results for Plumbing	22 05 00-11
43	22 05 13	Common Motor Requirements for Plumbing	22 05 13-2
44	22 05 14	Plumbing Specialties	22 05 14-5
45	22 05 15	Piping Specialties	22 05 15-4
46	22 05 23	General Duty Valves for Plumbing Piping	22 05 23-4
47	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29-5
48	22 07 00	Plumbing Insulation	22 07 00-7
49	22 08 00	Commissioning of Plumbing	22 08 00-46
50	22 11 00	Facility Water Distribution	22 11 00-8
51	22 13 00	Facility Sanitary Sewerage	22 13 00-7
52	22 14 00	Facility Storm Drainage	22 14 00-8
53	22 30 00	Plumbing Equipment	22 30 00-5
54	22 42 00	Commercial Plumbing Fixtures	22 42 00-5
55	22 60 00	Gas and Vacuum Systems for Laboratories and Healthcare Facilities	22 60 00-7

56
57

1	DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING		
2	Section	Title	
3	23 01 30.51	HVAC Air Duct Cleaning	23 01 30.51-4
4	23 05 00	Common Work Results for HVAC	23 05 00-7
5	23 05 13	Common Motor Requirements for HVAC Equipment	23 05 13-3
6	23 05 14	Variable Frequency Drives	23 05 14-7
7	23 05 15	Piping Specialties	23 05 15-4
8	23 05 23	General Duty Valves for HVAC	23 05 23-3
9	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-6
10	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	23 05 48-5
11	23 05 93	Testing, Adjusting and Balancing for HVAC	23 05 93-5
12	23 07 00	HVAC Insulation	23 07 00-10
13			
14	<u>VOLUME 5</u>		
15	DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING (CONTINUED)		
16	23 08 00	Commissioning of HVAC	23 08 00-132
17	23 09 14	Pneumatic and Electric Controls	23 09 14-18
18	23 09 15	Direct Digital Control Input/Output Point Summary Tables	23 09 15-3
19	23 09 24	Direct Digital Control System for HVAC (Informational Purposes Only)	23 09 24-14
20	23 09 93	Sequence of Operation for HVAC Controls	23 09 93-13
21	23 21 13	Hydronic Piping	23 21 13-10
22	23 21 23	Hydronic Pumps	23 21 23-3
23	23 23 00	Refrigerant Piping	23 23 00-3
24	23 25 00	HVAC Water Treatment	23 25 00-5
25	23 31 00	HVAC Ducts and Casings	23 31 00-7
26	23 33 00	Air Duct Accessories	23 33 00-6
27	23 34 00	HVAC Fans	23 34 00-3
28	23 36 00	Air Terminal Units	23 36 00-5
29	23 37 13	Diffusers, Registers and Grilles	23 37 13-3
30	23 41 00	Particulate Air Filtration	23 41 00-3
31	23 62 13	Packaged Air-Cooled Refrigerant Compressor and Condensing Units	23 62 13-5
32	23 72 00	Air-To-Air Energy Recovery Equipment	23 72 00-4
33	23 73 12	Air Handling Unit Coils	23 73 12-3
34	23 73 13	Modular Indoor Central-Station Air-Handling Units	23 73 13-6
35	23 81 26	Split-System Ductless Air Conditioners	23 81 26-6
36	23 82 00	Heating and Cooling Terminal Units	23 82 00-4
37			
38	<u>VOLUME 6</u>		
39	DIVISION 26 – ELECTRICAL		
40	Section	Title	
41	26 05 00	Common Work Results for Electrical	26 05 00-8
42	26 05 02	Electrical Demolition for Remodeling	26 05 02-4
43	26 05 04	Cleaning, Inspection and Testing of Electrical Equipment	26 05 04-2
44	26 05 19	Low-Voltage Electrical Power Conductors and Cables	26 05 19-5
45	26 05 26	Grounding and Bonding for Electrical Systems	26 05 26-5
46	26 05 29	Hangers and Supports for Electrical Systems	26 05 29-4
47	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33-10
48	26 05 53	Identification for Electrical Systems	26 05 53-3
49	26 09 28	Lighting Control Panels	26 09 28-8
50	26 24 16	Panelboards	26 24 16-4
51	26 27 26	Wiring Devices	26 27 26-8
52	26 27 28	Disconnect Switches	26 27 28-2
53	26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts	26 51 13-6
54			
55			
56			
57			

1	DIVISION 27 – COMMUNICATIONS		
2	Section	Title	
3	27 05 53	Identification for Communication Systems	27 05 53-7
4	27 08 00	Commissioning of Communications	27 08 00-20
5	27 10 00	Structured Cabling	27 10 00-33
6	27 11 00	Communications Room Equipment Fittings	27 11 00-6
7	27 11 13	Communications Protections	27 11 13-4
8	27 16 19	Communications Patch Cords, Station Cords and Cross-Connect Wire	27 16 19-4
9	27 41 34	Wideband Video Distribution System	27 41 34-5
10	27 52 23	Nurse Call – Visual System with Tone	27 52 23-5
11			
12	DIVISION 28 – ELECTRONIC SAFETY AND SECURITY		
13	Section	Title	
14	28 08 00	Commissioning of Electronic Safety and Security	28 08 00-17
15	28 23 00	Video Surveillance System	28 23 00-9
16	28 31 00	Fire Detection and Alarm	28 31 00-21
17	28 50 10	Security-Paging-Duress-Electronic Monitoring	28 50 10-43
18			
19	<u>VOLUME 7</u>		
20	DIVISION 30 – COMMON WORK RESULTS FOR ALL EXTERIOR WORK		
21	Section	Title	
22	30 05 00	Common Work Results for All Exterior Work	30 05 00-5
23			
24	DIVISION 31 – EARTHWORK		
25	Section	Title	
26	31 00 00	Earthwork for Building	31 00 00-20
27	31 20 00	Earthmoving	31 20 00-5
28	31 23 16.13	Trenching	31 23 16.13-9
29	31 23 19	Dewatering	31 23 19-3
30	31 25 00	Erosion Control	31 25 00-4
31			
32	DIVISION 32 – EXTERIOR IMPROVEMENTS		
33	Section	Title	
34	32 11 23.33	Dense Graded Base	32 11 23.33-3
35			
36	DIVISION 33 – UTILITIES		
37	Section	Title	
38	33 11 00	Water Utility Distribution Piping	33 11 00-12
39	33 40 00	Storm Drainage Utilities	33 40 00-10
40			
41	<u>DRAWINGS – Bound Separately</u>		
42			
43	GENERAL		Sheet No.
44	COVER SHEET / INDEX		G101
45	SYMBOLS & ABBREVIATIONS		G102
46	WALL TYPES & ASSEMBLIES		G103
47	LIFE SAFETY PLAN / CODE REVIEW		G104
48			
49	CIVIL		Sheet No.
50	PROJECT LOCATION AND GENERAL NOTES		C110
51	EXISTING SURVEY		C111
52	EROSION CONTROL PLAN		C120
53	DEMOLITION PLAN		C130
54	SITE PLAN		C140
55	GRADING PLAN		C150
56	CONSTRUCTION DETAILS		C500
57			

1	ARCHITECTURAL	Sheet No.
2	ARCHITECTURAL SITE PLAN	A001
3	CONSTRUCTION SITE PLAN	A002
4	OVERALL FLOOR PLANS	A101
5	DEMOLITION FLOOR PLANS	A102
6	RHU - RESTRICTIVE HOUSING UNIT FLOOR PLAN	A103
7	HSU - HEALTH SERVICES UNIT FLOOR PLANS	A104
8	HSU ROOF PLAN	A105
9	REFLECTED CEILING PLANS	A301
10	HSU EXTERIOR ELEVATIONS	A401
11	BUILDING SECTIONS	A501
12	WALL SECTIONS	A502
13	WALL SECTIONS	A503
14	WALL SECTIONS	A504
15	WALL SECTIONS	A505
16	ENLARGED FLOOR PLANS	A601
17	INTERIOR ELEVATIONS	A701
18	DETAILS – EXTERIOR	A801
19	DETAILS – INTERIOR	A802
20	DETAILS – CASEWORK	A803
21	DETAILS – DETENTION	A804
22	BUILDERS DOOR AND FRAME SCHEDULES AND TYPES	A901
23	DETENTION DOOR AND FRAME SCHEDULES AND TYPES	A902
24	COLOR & MATERIAL SCHEDULE, ROOM FINISH SCHEDULE	A1001
25	FINISH PLANS	A1002
26	FURNITURE PLANS (FOR REFERENCE ONLY)	A1003
27		
28	STRUCTURAL	Sheet No.
29	FOUNDATION PLAN - HSU	S100
30	FOUNDATION PLAN / FRAMING PLAN - RHU	S101
31	PENTHOUSE ROOF / LOW ROOF / FLOOR FRAMING PLANS	S103
32	DETAILS	S500
33	DETAILS	S510
34	DETAILS	S520
35	GENERAL NOTES & SCHEDULES	S900
36	SCHEDULES	S901
37		
38	FIRE PROTECTION	Sheet No.
39	FIRST FLOOR AND PENTHOUSE FIRE PROTECTION PLANS	FP110
40		
41	PLUMBING	Sheet No.
42	PLUMBING DEMOLITION PLANS - RHU	PD100
43	PLUMBING NEW WORK PLANS - RHU	P100
44	FOUNDATION AND FIRST FLOOR PLUMBING PLANS - HSU	P110
45	PENTHOUSE AND ROOF PLUMBING PLANS	P111
46	WASTE & VENT AND STORM PIPING ISOMETRICS	P120
47	WATER PIPING ISOMETRICS	P121
48		
49	MECHANICAL	Sheet No.
50	MECHANICAL SYMBOLS AND ABBREVIATIONS	M001
51	MECHANICAL OVERALL FIRST FLOOR PLAN	M100
52	MECHANICAL OVERALL PENTHOUSE PLAN	M101
53	MECHANICAL RESTRICTIVE HOUSING UNIT DEMOLITION PLANS	M102
54	MECHANICAL RESTRICTIVE HOUSING UNIT NEW PLANS	M103
55	MECHANICAL DUCTWORK HEALTH SERVICES UNIT PLAN	M104
56	MECHANICAL PIPING HEALTH SERVICES UNIT PLAN	M105
57		

1	MECHANICAL HEALTH SERVICES UNIT PENTHOUSE PLAN	M106
2	MECHANICAL DETAILS	M501
3	MECHANICAL DETAILS	M502
4	MECHANICAL SCHEDULES	M601
5	MECHANICAL SCHEDULES	M602
6		
7	ELECTRICAL	Sheet No.
8	ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES	E000
9	RHU – RESTRICTIVE HOUSING UNIT LIGHTING PLANS	E103
10	HSU – FIRST FLOOR / PENTHOUSE LIGHTING PLANS	E104
11	RHU – RESTRICTIVE HOUSING UNIT POWER PLAN	E203
12	HSU – FIRST FLOOR / PENTHOUSE POWER PLANS	E204
13	LIGHTING SCHEDULES	E500
14	ELECTRICAL SCHEDULES	E501
15	POWER DETAILS	E601
16	ELECTRICAL RISER DIAGRAM	E800
17		
18	FIRE ALARM	Sheet No.
19	RHU – RESTRICTIVE HOUSING UNIT FIRE ALARM PLANS	FA103
20	HSU – FIRST FLOOR / PENTHOUSE FIRE ALARM PLANS	FA104
21	FIRE ALARM DETAILS	FA601
22		
23	TELECOMMUNICATION	Sheet No.
24	RHU – RESTRICTIVE HOUSING UNIT TELECOMMUNICATIONS, DATA, AND	
25	SECURITY PLAN	Q103
26	HSU – FIRST FLOOR / PENTHOUSE TELECOMMUNICATIONS, DATA, AND	
27	SECURITY PLAN	Q104
28	TELECOMMUNICATIONS AND LOW VOLTAGE DETAILS	Q601
29	BACKBONE	Q602
30	NEW TR ROOM HSU	Q603
31	EMERGENCY PAGING AND SECURITY CONTROL RISER DIAGRAM - HSU	Q604
32	EMERGENCY PAGING AND SECURITY CONTROL RISER DIAGRAM - RH	Q605
33	NURSE CALL CONNECTION DIAGRAM	Q606
34	CAMERAS & SCHEDULE	Q607
35	FIRST FLOOR REFERENCE SHEET	Q608
36	SECOND FLOOR REFERENCE SHEET	Q609
37		
38		
39	***	