

1 **TABLE OF CONTENTS MEP BIDDERS (Rev 12/2023)**

2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57

Division Project No. **18K2M**

**DIVISION 01 - MEP BIDDING REQUIREMENTS**

**Pages Thru**

TITLE PAGE	1
TABLE OF CONTENTS	TC-13
<b>MEP BIDDING REQUIREMENTS</b>	
MEP Invitation to Bid	A-2
MEP Instructions to Bidders	B-11
Bid Form – Mechanical, Electrical, Plumbing, and Fire Protection (MEP)	C-7
Sealed Bid Envelope Label	1
Mechanical Electrical Plumbing and Fire Protection (MEP) Bid Bond Form (DOA-4189)	1
Designation of Confidential and Proprietary Information Form (DOA-3027)	1

**DIVISION 01**

General Requirements	GR-19
01 32 50 Building Information Modeling Requirements	01 32 50-3
01 43 43 Mock-ups	01 43 43-2
01 74 19 Construction Waste Management	01 74 19-3
01 91 01 Commissioning Process	01 91 01-4

**APPENDIX #1 – GENERAL PRIME CONTRACTOR (GPC) BIDDING AND CONTRACT DOCUMENTS**

Form A - Affidavit of Compliance – MBE / DVB Provisions (DOA-4266)	2
Request for Submittal Approval (DOA-4523)	1
Request for Subcontractors Approval (DOA-4225)	1
<b>CONTRACT FORMS</b>	
Performance Bond Form (DOA-4188)	2
Payment Bond Form (DOA-4187)	2
Contract Form (DOA-4504)	2
<b>CONDITIONS OF THE CONTRACT</b>	
Index to the General Conditions	1
General Conditions of the General Prime Contractor Contract (DOA-4193P)	34
Supplementary General Conditions	SGC-1
Submittal Log	SL-7

**VOLUME 2**

**DIVISION 02 – EXISTING CONDITIONS**

Section	Title	
02 05 00	Common Work Results for Existing Conditions	02 05 00-4
02 32 00	Geo Technical Investigation	02 32 00-1
02 32 00A	Geo Technical Report	02 32 00A-64

**DIVISION 03 – CONCRETE**

Section	Title	
03 08 00	Commissioning of Concrete	03 08 00-10
03 30 00	Cast-In-Place Concrete	03 30 00-24
03 41 00	Precast Structural Concrete	03 41 00-5
03 41 13	Precast Concrete Hollow Core Planks	03 41 13-5

1	<b>DIVISION 04 – MASONRY</b>		
2	Section	Title	
3	04 08 00	Commissioning of Masonry	04 08 00-6
4	04 20 00	Unit Masonry	04 20 00-17
5			
6	<b>DIVISION 05 – METALS</b>		
7	Section	Title	
8	05 05 53	Security Metal Fastenings	05 05 53-2
9	05 12 00	Structural Steel Framing	05 12 00-7
10	05 21 00	Steel Joist Framing	05 21 00-5
11	05 31 00	Steel Decking	05 31 00-4
12	05 43 00	Slotted Channel Framing	05 43 00-3
13	05 50 00	Metal Fabrications	05 50 00-4
14	05 51 00	Metal Stairs	05 51 00-4
15	05 52 13	Pipe and Tube Railings	05 52 13-3
16			
17	<b>DIVISION 06 – WOOD, PLASTICS AND COMPOSITES</b>		
18	Section	Title	
19	06 10 00	Rough Carpentry	06 10 00-5
20	06 10 53.01	Miscellaneous Rough Carpentry – Roofing	06 10 53.01-2
21	06 20 00	Finish Carpentry	06 20 00-4
22	06 41 00	Architectural Woodwork	06 41 00-10
23			
24	<b>DIVISION 07 – THERMAL AND MOISTURE PROTECTION</b>		
25	Section	Title	
26	07 08 00	Commissioning of Thermal and Moisture Protection	07 08 00-16
27	07 10 16	Waterproofing for Utilities	07 10 16-5
28	07 11 13	Bituminous Dampproofing	07 11 13-2
29	07 13 00	Sheet Waterproofing	07 13 00-4
30	07 21 00	Thermal Insulation	07 21 00-5
31	07 25 00	Weather Barriers	07 25 00-5
32	07 42 13	Metal Wall Panels	07 42 13-4
33	07 42 13.23	Metal Composite Material Panels	07 42 13.23-8
34	07 46 33	Phenolic Wall Siding	07 46 33-5
35	07 53 23	Ethylene-Propylene-Diene-Monomer Roofing	07 53 23-16
36	07 53 23A	State of Wisconsin – Roofing System 5 Year Guarantee	07 53 23A-2
37	07 61 13	Standing Seam Sheet Metal Roofing	07 61 13-21
38	07 63 00	Sheet Metal Roofing Specialties	07 63 00-8
39	07 72 00	Roof Accessories	07 72 00-5
40	07 81 00	Applied Fireproofing	07 81 00-4
41	07 81 23	Intumescent Fireproofing	07 81 23-4
42	07 84 00	Fire Stopping	07 84 00-9
43	07 92 00	Joint Sealants	07 92 00-7
44	07 92 30	Security Joint Sealants	07 92 30-4
45			
46	<b><u>VOLUME 3</u></b>		
47			
48	<b>DIVISION 08 – OPENINGS</b>		
49	Section	Title	
50	08 08 00	Commissioning of Exterior Building Envelope	08 08 00-5
51	08 11 13	Hollow Metal Doors and Frames	08 11 13-7
52	08 14 16	Flush Wood Doors	08 14 16-4
53	08 14 23	Impact Resistant Interior Doors	08 14 23-6
54	08 31 00	Access Doors and Panels	08 31 00-3
55	08 33 23	Overhead Coiling Doors and Panels	08 33 23-4
56	08 34 63.13	Steel Detention Doors and Frames	08 34 63.13-4
57	08 36 13	Sectional Doors	08 36 13-4

1	08 41 23	Fire Rated Storefront	08 41 23-6
2	08 43 13	Aluminum-Framed Storefronts	08 43 13-6
3	08 44 13	Glazed Aluminum Curtain Walls	08 44 13-8
4	08 45 23	Insulated Translucent Fiberglass Sandwich Panel Wall System	08 45 23-6
5	08 56 19	Pass Windows	08 56 19-3
6	08 56 53	Security Windows	08 56 53-5
7	08 71 00	Door Hardware	08 71 00-47
8	08 71 15	Low-Energy Automatic Door Operators	08 71 15-3
9	08 71 63	Detention Door Hardware	08 71 63-7
10	08 80 00	Glazing	08 80 00-11
11	08 91 00	Louvers	08 91 00-5
12			
13	<b>DIVISION 09 – FINISHES</b>		
14	Section	Title	
15	09 05 61	Common Work Results for Flooring Preparation	09 05 61-4
16	09 21 16	Gypsum Board Assemblies	09 21 16-8
17	09 30 00	Tiling	09 30 00-6
18	09 51 00	Acoustical Ceilings	09 51 00-4
19	09 54 26	Suspended Wood Panel Ceilings	09 54 26-4
20	09 57 53	Metal Security Panel Ceiling System	09 57 53-3
21	09 62 40	Modular Athletic Flooring	09 62 40-3
22	09 65 00	Resilient Flooring	09 65 00-4
23	09 66 16	Terrazzo Floor Tile	09 66 16-4
24	09 67 00	Fluid-Applied Flooring	09 67 00-3
25	09 68 13	Tile Carpeting	09 68 13-3
26	09 72 00	Wall Coverings	09 72 00-4
27	09 72 16	Hygienic Vinyl Wall Covering	09 72 16-4
28	09 84 00	Acoustical Wall and Ceiling Treatment	09 84 00-3
29	09 84 30	Sound-Absorbing Ceiling Units	09 84 30-2
30	09 90 00	Paints and Coatings	09 90 00-7
31	09 91 16	Painting for Utilities	09 91 16-4
32	09 94 10	Architectural Finish Films	09 94 10-2
33			
34	<b>DIVISION 10 – SPECIALTIES</b>		
35	Section	Title	
36	10 14 19	Dimensional Letter Signage	10 14 19-3
37	10 21 13.19	Plastic Toilet Compartments	10 21 13.19-3
38	10 21 23	Cubicle Curtains	10 21 23-3
39	10 22 15	Wire Mesh Panels	10 22 15-2
40	10 26 01	Wall and Corner Guards	10 26 01-3
41	10 28 00	Toilet, Bath, and Laundry Accessories	10 28 00-5
42	10 44 00	Fire Protection Specialties	10 44 00-3
43	10 51 00	Lockers	10 51 00-6
44	10 75 00	Flagpoles	10 75 00-3
45	10 81 00	Polycarbonate Greenhouses	10 81 00-4
46			
47	<b>DIVISION 11 – EQUIPMENT</b>		
48	Section	Title	
49	11 19 00	Detention Equipment	11 19 00-3
50	11 40 00	Foodservice / Laundry Equipment	11 40 00-59
51	11 66 23	Gymnasium Equipment	11 66 23-4
52			
53	<b>DIVISION 12 – FURNISHINGS</b>		
54	Section	Title	
55	12 21 13	Horizontal Louver Blinds	12 21 13-2
56	12 24 00	Window Shades	12 24 00-5
57	12 55 00	Detention Furnishings	12 55 00-4

1	12 66 13	Telescopic Seating	12 66 13-8
2			
3	<b>DIVISION 13 – SPECIAL CONSTRUCTION</b>		
4	Section	Title	
5	13 03 70	Package Pass-Thru	13 03 70-3
6			
7	<b><u>VOLUME 4</u></b>		
8			
9	<b>DIVISION 21 – FIRE SUPPRESSION</b>		
10	Section	Title	
11	21 05 00	Common Work Results for Fire Suppression	21 05 00-8
12	21 05 29	Hangers and Supports for Fire Protection Piping and Equipment	21 05 29-5
13	21 08 00	Commissioning of Fire Suppression	21 08 00-8
14	21 10 00	Water-Based Fire Suppression Systems	21 10 00-10
15			
16	<b>DIVISION 22 – PLUMBING</b>		
17	Section	Title	
18	22 05 00	Common Work Results for Plumbing Equipment	22 05 00-10
19	22 05 13	Common Motor Requirements for Plumbing Equipment	22 05 13-3
20	22 05 14	Plumbing Specialties	22 05 14-5
21	22 05 15	Piping Specialties	22 05 15-4
22	22 05 23	General Duty Valves for Plumbing Piping	22 05 23-5
23	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29-6
24	22 07 00	Plumbing Insulation	22 07 00-7
25	22 08 00	Commissioning of Plumbing	22 08 00-96
26	22 10 13	Facility Fuel Piping	22 10 13-6
27	22 11 00	Facility Water Distribution	22 11 00-10
28	22 13 00	Facility Sanitary Sewerage	22 13 00-6
29	22 14 00	Facility Storm Drainage	22 14 00-6
30	22 15 13	General Service Compressed-Air Piping	22 15 13-5
31	22 30 00	Plumbing Equipment	22 30 00-7
32	22 42 00	Commercial Plumbing Fixtures	22 42 00-8
33	22 60 00	Gas and Vacuum Systems for Laboratories and Healthcare Facilities	22 60 00-7
34	22 61 00	Equipment for Healthcare Facilities	22 61 00-7
35			
36	<b><u>VOLUME 5</u></b>		
37			
38	<b>DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING</b>		
39	Section	Title	
40	23 05 00	Common Work Results for HVAC	23 05 00-7
41	23 05 13	Common Motor Requirements for HVAC Equipment	23 05 13-4
42	23 05 14	Variable Frequency Drives	23 05 14-7
43	23 05 15	Piping Specialties	23 05 15-6
44	23 05 23	General Duty Valves for HVAC Piping	23 05 23-5
45	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-5
46	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	23 05 48-5
47	23 05 93	Testing, Adjusting and Balancing for HVAC	23 05 93-6
48	23 07 00	HVAC Insulation	23 07 00-11
49	23 08 00	Commissioning of HVAC	23 08 00-172
50	23 09 14	Pneumatic and Electric Instrumentation and Control Devices for HVAC	23 09 14-17
51	23 09 15	Direct Digital Control Input/Output Point Summary Tables	23 09 15-19
52	23 09 23	Direct Digital Control System for HVAC	23 09 23-15
53	23 09 93	Sequence of Operation for HVAC Controls	23 09 93-40
54	23 21 13	Hydronic Piping	23 21 13-11
55	23 21 23	Hydronic Pumps	23 21 23-4
56	23 23 00	Refrigerant Piping	23 23 00-3
57	23 25 00	HVAC Water Treatment	23 25 00-5

1	23 31 00	HVAC Ducts and Casings	23 31 00-11
2	23 33 00	Air Duct Accessories	23 33 00-8
3	23 34 00	HVAC Fans	23 34 00-4
4	23 34 01	Fume Exhaust Equipment	23 34 01-4
5	23 36 00	Air Terminal Units	23 36 00-5
6	23 37 13	Diffusers, Registers and Grilles	23 37 13-3
7	23 41 00	Particulate Air Filtration	23 41 00-3
8	23 51 00	Breechings, Chimneys and Stacks	23 51 00-3
9	23 52 00	Heating Boilers	23 52 00-4
10	23 55 00	Fuel Fired Heaters	23 55 00-3
11	23 62 13	Packaged Air-Cooled Refrigerant Compressor and Condensing Units	23 62 13-4
12	23 64 23	Air Cooled Scroll Water Chillers	23 64 23-7
13	23 72 00	Air-To-Air Energy Recovery Equipment	23 72 00-5
14	23 73 12	Air Handling Unit Coils	23 73 12-3
15	23 73 13	Modular Indoor Central-Station Air-Handling Units	23 73 13-6
16	23 81 23	Computer-Room Air-Conditioners	23 81 23-5
17	23 81 26	Split-System Ductless Air Conditioners	23 81 26-5
18	23 82 00	Heating and Cooling Terminal Units	23 82 00-4

19

20 **VOLUME 6**

21

22 **DIVISION 26 – ELECTRICAL**

23	Section	Title	
24	26 05 00	Common Work Results for Electrical	26 05 00-7
25	26 05 04	Cleaning, Inspection and Testing of Electrical Equipment	26 05 04-4
26	26 05 19	Low-Voltage Electrical Power Conductors and Cables	26 05 19-6
27	26 05 23	Control-Voltage Electrical Power Cables	26 05 23-3
28	26 05 26	Grounding and Bonding for Electrical Systems	26 05 26-6
29	26 05 29	Hangers and Supports for Electrical Systems	26 05 29-4
30	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33-12
31	26 05 43	Underground Ducts and Raceways for Electrical Systems	26 05 43-4
32	26 05 53	Identification for Electrical Systems	26 05 53-4
33	26 05 73	Short Circuit/Coordination Study and Arc Flash Risk Assessment	26 05 73-5
34	26 08 00	Commissioning of Electrical	26 08 00-68
35	26 09 43	Distributed Digital Lighting Controls	26 09 43-15
36	26 24 13	Switchboards	26 24 13-5
37	26 24 16	Panelboards	26 24 16-5
38	26 27 02	Equipment Wiring Systems	26 27 02-5
39	26 27 13	Electricity Metering	26 27 13-6
40	26 27 26	Wiring Devices	26 27 26-11
41	26 27 28	Disconnect Switches	26 27 28-2
42	26 27 43	Electric Vehicle Service Equipment – AC Level 2	26 27 43-3
43	26 28 13	Fuses	26 28 13-1
44	26 28 16	Enclosed Switches and Circuit Breakers	26 28 16-3
45	26 31 00	Photovoltaic System Performance Requirements	26 31 00-10
46	26 32 13.16	Engine-Driven Generator Sets – Natural Gas	26 32 13.16-7
47	26 33 53	Static Uninterruptible Power Supply	26 33 53-7
48	26 36 00	Transfer Switches	26 36 00-5
49	26 41 13.13	Lightning Protection for Buildings	26 41 13.13-3
50	26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits	26 43 13-3
51	26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts	26 51 13-7
52	26 56 19	Roadway Lighting	26 56 19-16
53	26 56 29	Site Lighting	26 56 29-6

54

55

56

57

1 **VOLUME 7**

2  
3 **DIVISION 27 – COMMUNICATIONS**

4	Section	Title	
5	27 05 53	Identification for Communication Systems	27 05 53-5
6	27 08 00	Commissioning of Communications	27 08 00-18
7	27 08 00.41	AV Systems Commissioning	27 08 00.41-24
8	27 10 00	Structured Cabling	27 10 00-33
9	27 11 00	Communications Room Equipment Fittings	27 11 00-7
10	27 11 13	Communications Protections	27 11 13-4
11	27 41 00	Audio Video Systems	27 41 00-23
12	27 41 34	Wideband Video Distribution System	27 41 34-6

13  
14 **DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

15	Section	Title	
16	28 05 37	Emergency Responder Radio Coverage System	28 05 37-13
17	28 10 00	Access Control System	28 10 00-9
18	28 23 00	Video Surveillance System	28 23 00-12
19	28 31 00	Fire Detection and Alarm	28 31 00-34
20	28 46 00	Security System General Requirements	28 46 00-9
21	28 46 10	Security System Control and Monitoring	28 46 10-28
22	28 46 20	Security System Network Switches	28 46 20-6
23	28 46 30	Door Control Intercom System	28 46 30-6

24  
25 **DIVISION 30 – COMMON WORK RESULTS FOR ALL EXTERIOR WORK**

26	Section	Title	
27	30 05 00	Common Work Results for Exterior Work	30 05 00-6

28  
29 **DIVISION 31 – EARTHWORK**

30	Section	Title	
31	31 05 16	Aggregates for Earthwork	31 05 16-1
32	31 10 00	Site Clearing	31 10 00-3
33	31 20 00	Earthmoving	31 20 00-6
34	31 22 16.15	Roadway Subgrade Preparation	31 22 16.15-4
35	31 23 16.13	Trenching	31 23 16.13-7
36	31 23 16.16	Structural Excavation for Minor Structures	31 23 16.16-5
37	31 23 19	Dewatering	31 23 19-3
38	31 25 00	Erosion Control	31 25 00-5

39  
40 **DIVISION 32 – EXTERIOR IMPROVEMENTS**

41	Section	Title	
42	32 11 23.33	Dense Graded Base	32 11 23.33-3
43	32 12 16.13	Plant Mix Asphalt Paving	32 12 16.13-2
44	32 14 43	Reinforced Sodded Turf Paving	32 14 43-6
45	32 17 23	Pavement Markings	32 17 23-2
46	32 17 23.50	Pavement Markings for Sport Courts	32 17 23.50-2
47	32 31 13.43	Correctional Chain Link Fencing and Gates	32 31 13.43-7
48	32 31 19	Ornamental Security Metal Fences and Gates	32 31 19-4
49	32 32 23	Modular Precast Retaining Wall	32 32 23-12
50	32 36 00	Exterior Site Furnishings and Specialty Items	32 36 00-6
51	32 91 13	Soil Preparation	32 91 13-5
52	32 91 13.50	Stormwater Bioinfiltration	32 91 13.50-6
53	32 92 00	Plants	32 92 00-10
54	32 92 19	Seeding	32 92 19-5
55	32 92 20	Native Seeding	32 92 20-6
56	32 92 23	Sodding	32 92 23-5

57

1	<b>DIVISION 33 – UTILITIES</b>		
2	Section	Title	
3	33 08 00	Commissioning of Utilities	33 08 00-36
4	33 11 00	Water Utility Distribution Piping	33 11 00-12
5	33 30 00	Sanitary Sewerage Utilities	33 30 00-8
6	33 40 00	Storm Drainage Utilities	33 40 00-10
7			
8	<b>DIVISION 41 – MATERIAL PROCESSING AND HANDLING EQUIPMENT</b>		
9	Section	Title	
10	41 22 23	Electric Chain Hoist	41 22 23-5
11			
12			
13	<b>DRAWINGS – Bound Separately</b>		
14			
15	<b><u>VOLUME 1</u></b>		
16			
17	FRONT END INDEX		
18	Title Sheet		T100.1
19	First Level – Code Plan, Code Summary, Symbols Legend		A101
20	Penthouse and Mezzanine Level Code Plans		A102
21	Security Zone Plans		A103
22	Symbols, Legends, General Notes, Keynotes, Abbreviations		A150
23	Interior Finish Schedule		A160
24	Architectural Site Plan		A210
25	Perimeter Wall Elevations and Details		A211
26	Enlarged Plans		A212
27	Fence and Monument Sign Details		A213
28			
29	CIVIL		
30	Existing Conditions		C002
31	Erosion Control Plan		C101
32	Overall Pavement Demolition Plan		C202
33	Surface Feature Demolition Plan Phase 2		C203
34	Overall Grading Plan		C301
35	Enlarged Grading Plan		C302
36	Enlarged Grading Plan		C303
37	Overall Utilities Plan		C401
38	Water Piping Plan and Profile		C402
39	Water Piping Plan and Profile		C403
40	Water Piping Plan and Profile		C404
41	Water Piping Plan and Profile		C405
42	Sanitary Piping Plan and Profile		C406
43	Storm Piping Plan and Profile		C407
44	Storm Piping Plan and Profile		C408
45	Storm Piping Plan and Profile		C409
46	Storm Piping Plan and Profile		C410
47	Storm Piping Plan and Profile		C411
48	Storm Piping Plan and Profile		C412
49	Details		C501
50	Details		C502
51	Details		C503
52	Details		C504
53	Details		C505
54	Details		C506
55	Details		C507
56	Details		C508
57	Overall Site Layout Plan		C800

1	Site Layout Enlargement – North	C801
2	Site Layout Enlargement – South	C802
3		
4	LANDSCAPE	
5	Overall Landscape Plan	L100
6	Landscape Enlargement - North	L200
7	Landscape Enlargement - South	L201
8	Planting Plan Enlargement – North	L202
9	Planting Plan Enlargement – South	L203
10	Planting Plan Enlargement – Viewing Gardens	L204
11	Planting and Landscape Details	L300
12	Exterior Site Furnishings	L301
13	Exterior Recreation Details	L302
14	Exterior Garden Details	L303
15	Site and Landscape Wall Details	L304
16		
17	STRUCTURAL	
18	General Notes	S001
19	General Information	S002
20	General Foundation Details	S003
21	General Composite Slab Details	S004
22	General Roof Deck Details	S005
23	General Masonry Details	S008
24	Roof Loading Plan	S010
25	Grid Control Plan	S099
26	Overall Foundation Plan	S100
27	Foundation Plan (Zone 1)	S101
28	Foundation Plan (Zone 2)	S102
29	Foundation Plan (Zone 3)	S103
30	Site Wall Foundation Plan	S111
31	Overall Roof/Penthouse Framing Plan	S120
32	Roof/Penthouse Framing Plan (Zone 1)	S121
33	Roof/Penthouse Framing Plan (Zone 2)	S122
34	Roof/Penthouse Framing Plan (Zone 3)	S123
35	Mezzanine Framing Plans	S124
36	Roof/Penthouse Roof Framing (Zone 2)	S131
37	Exterior Elevations	S200
38	Exterior Elevations	S201
39	Exterior Elevations	S202
40	Steel Frame Elevations	S401
41	Foundation Details	S500
42	Precast Details	S502
43	Roof Deck Details	S503
44	Roof Deck Details	S504
45	Composite Details	S505
46	Site Wall Details	S506
47	Foundation Schedules	S600
48	Steel Column Schedule	S601
49	Masonry Schedules	S604
50		
51	ARCHITECTURAL	
52	First Level Zone 1 – Dimension Plan	A401.1
53	First Level Zone 2 – Dimension Plan	A401.2
54	First Level Zone 3 – Dimension Plan	A401.3
55	First Level Zone 1 – Floor Plan	A411.1
56	First Level Zone 2 – Floor Plan	A411.2
57	First Level Zone 3 – Floor Plan	A411.3



1	Penthouse and Mezzanine Level – Floor and Finish Plans	A412
2	First Level Zone 1 – Finish Plan	A421.1
3	First Level Zone 2 – Finish Plan	A421.2
4	First Level Zone 3 – Finish Plan	A421.3
5	First Level Zone 1 – Reflected Ceiling Plan	A431.1
6	First Level Zone 2 – Reflected Ceiling Plan	A431.2
7	First Level Zone 3 – Reflected Ceiling Plan	A431.3
8	Penthouse and Mezzanine Level – Reflected Ceiling Plan	A432
9	Partition Types and Details	A450
10	Roof Plan, Roof Details	A500
11	Exterior Elevations	A510
12	Exterior Elevations	A511
13	Exterior Elevations	A512
14	Opening Schedule - Commercial	A520
15	Opening Schedule - Detention	A521
16	Curtain Wall & Storefront Types	A525
17	Detention Window & Translucent Panel Glazing Types	A526
18	Building Sections	A530
19	Exterior Wall Types, Wall Sections	A540
20	Wall Sections	A541
21	Wall Sections	A542
22	Wall Sections	A543
23	Wall Sections	A544
24	1/4 Inch Stair Plans, Stair Sections	A550
25	Exterior Details	A560
26	Exterior Details	A561
27	Exterior Details	A562
28	Exterior Details	A563
29	Exterior Details	A564
30	Mounting Heights & Locations	A600
31	1/4 Inch Plans, Interior Elevations – Housing	A601
32	1/4 Inch Plans, Interior Elevations – Entry	A602
33	1/4 Inch Plans, Interior Elevations – Entry	A603
34	1/4 Inch Plans, Interior Elevations – Visitation	A604
35	1/4 Inch Plans, Interior Elevations – Education	A605
36	1/4 Inch Plans, Interior Elevations – Intake	A606
37	1/4 Inch Plans, Interior Elevations – HSU	A607
38	1/4 Inch Plans, Interior Elevations – HSU	A608
39	1/4 Inch Plans, Interior Elevations – Gym	A609
40	1/4 Inch Plans, Interior Elevations - Admin	A610
41	1/4 Inch Plans, Interior Elevations – Main Street	A611
42	1/4 Inch Plans, Interior Elevations – Main Street	A612
43	Interior Details	A620
44	Interior Details	A630
45	Interior Details	A631
46	Ceiling Details	A640
47		
48	FOODSERVICE	
49	Foodservice and Laundry Layout	K1.1
50	Foodservice Roof Top Plan	K1.2
51	Foodservice and Laundry Electrical Rough-in Plan	K2.1
52	Foodservice and Laundry Plumbing Rough-in Plan	K3.1
53	Foodservice and Laundry Building Works Plan	K4.1
54	Foodservice and Laundry Ventilation Plan	K5.1
55	Foodservice and Laundry MEP Schedule	K6.1
56	Foodservice Elevations and Details	K7.1
57	Foodservice Exhaust Hood Details	K8.1

1	Foodservice UDS Details	K8.2
2		
3	<b><u>VOLUME 2</u></b>	
4		
5	FRONT END INDEX	
6	Title Sheet	T100.2
7		
8	FIRE PROTECTION	
9	Symbols	F700
10	First Floor Zone 1 – Fire Sprinkler Plans	F701.1
11	First Floor Zone 2 – Fire Sprinkler Plans	F701.2
12	First Floor Zone 3 – Fire Sprinkler Plans	F701.3
13	Penthouse Fire Sprinkler Plans	F702
14		
15	PLUMBING	
16	Notes	P700
17	Underground Zone 1 – Drain and Vent Plan	P700.1
18	Underground Zone 2 – Drain and Vent Plan	P700.2
19	Underground Zone 3 – Drain and Vent Plan	P700.3
20	First Floor Zone 1 – Drain and Vent Plan	P701.1
21	First Floor Zone 2 – Drain and Vent Plan	P701.2
22	First Floor Zone 3 – Drain and Vent Plan	P701.3
23	Penthouse – Drain and Vent Plan	P702
24	Roof Plan Zone 1	P703.1
25	Roof Plan Zone 2	P703.2
26	Roof Plan Zone 3	P703.3
27	First Floor Zone 1 – Supply Plan	P731.1
28	First Floor Zone 2 – Supply Plan	P731.2
29	First Floor Zone 3 – Supply Plan	P731.3
30	Penthouse - Supply Plan	P732
31	Enlarged Drain and Vent Plans	P740
32	Enlarged Drain and Vent Plans	P741
33	Enlarged Kitchen Drain and Vent Plans	P742
34	Enlarged Kitchen Supply Plans	P743
35	Enlarged Supply Plans	P744
36	Enlarged Dental and Sterilization Plans	P745
37	Details	P750
38	Details	P751
39	Schedules	P760
40	Schedules	P761
41	Zone 1 – Drain and Vent Riser Diagram	P770.1
42	Zone 2 – Drain and Vent Riser Diagram	P770.2
43	Zone 3 – Drain and Vent Riser Diagram	P770.3
44	Penthouse Drain and Vent Riser Diagram	P771
45	Zone 1 – Storm Drain Riser Diagram	P780.1
46	Zone 2 – Storm Drain Riser Diagram	P780.2
47	Zone 3 – Storm Drain Riser Diagram	P780.3
48	Zone 1 – Supply Riser Diagram	P790.1
49	Zone 2 – Supply Riser Diagram	P790.2
50	Zone 3 – Supply Riser Diagram	P790.3
51	Penthouse Supply Piping Riser Diagram	P791
52	Enlarged Drain and Vent Riser Diagram	P800
53	Enlarged Kitchen/Laundry Drain and Vent Riser Diagram	P801
54		
55	MECHANICAL	
56	Notes, Symbols, and Abbreviations	M800
57	First Level Zone 1 – HVAC Plan	M801.1

1	First Level Zone 2 – HVAC Plan	M801.2
2	First Level Zone 3 – HVAC Plan	M801.3
3	Penthouse Level – Enlarged HVAC Plan	M802
4	Roof Zone 1 – Mechanical Plan	M803.1
5	Roof Zone 2 – Mechanical Plan	M803.2
6	Roof Zone 3 – Mechanical Plan	M803.3
7	First Level Zone 1 – Piping Plan	M821.1
8	First Level Zone 2 – Piping Plan	M821.2
9	First Level Zone 3 – Piping Plan	M821.3
10	Penthouse Level – Enlarged Piping Plan	M822
11	Enlarged Plans	M831
12	Enlarged Sections	M832
13	Enlarged Sections	M833
14	Enlarged Sections	M834
15	HVAC Details	M841
16	HVAC Details	M842
17	HVAC Details	M843
18	HVAC Details	M844
19	Piping Details	M851
20	Piping Details	M852
21	Piping Details	M853
22	HVAC Schedules	M861
23	HVAC Schedules	M862
24	HVAC Schedules	M863
25	HVAC Schedules	M864
26	Piping Schedules	M871
27	Piping Schedules	M872
28	Mechanical Schematics	M881
29	Mechanical Schematics	M882
30	Control Schematics	M891
31	Control Schematics	M892
32	Smoke Control Zones	M893
33		
34	ELECTRICAL	
35	Notes, Symbols, and Abbreviations	E900
36	Electrical Site Plan	E901
37	First Level Zone 1 – Power Plan	E930
38	First Level Overall – Exterior Building Lighting	E930.1
39	First Level Zone 1 – Power Plan	E931.1
40	First Level Zone 2 – Power Plan	E931.2
41	First Level Zone 3 – Power Plan	E931.3
42	Penthouse Level – Power Plan	E932
43	Roof Level Overall – Power Plan	E933
44	Roof Level Zone 1 – Power Plan	E933.1
45	Roof Level Zone 2 – Power Plan	E933.2
46	Roof Level Zone 3 – Power Plan	E933.3
47	First Floor Grounding and Lightning Protection	E935.1
48	Roof Level Overall - Lightning Protection	E935.2
49	First Level Zone 1 – Lighting Plan	E941.1
50	First Level Zone 1 – Photometric Plan	E941.1PH
51	First Level Zone 2 – Lighting Plan	E941.2
52	First Level Zone 2 – Photometric Plan	E941.2PH
53	First Level Zone 3 – Lighting Plan	E941.3
54	First Level Zone 1 – Photometric Plan	E941.3PH
55	Penthouse Level – Lighting Plan	E942
56	Penthouse Level - Photometric Plan	E942PH
57	First Level Zone 1 – Fire Alarm Plan	E951.1

1	First Level Zone 2 – Fire Alarm Plan	E951.2
2	First Level Zone 3 – Fire Alarm Plan	E951.3
3	Penthouse Level – Fire Alarm Plan	E952
4	Enlarged Plans, Elevations, & Sections	E961.1
5	Enlarged Plans, Elevations, & Sections	E961.2
6	Enlarged Plans, Elevations, & Sections	E961.3
7	Details	E971
8	Details	E972
9	Details	E973
10	Details	E974
11	Details	E975
12	Details	E976
13	Schedules	E981.1
14	Schedules	E981.2
15	Schedules	E981.3
16	Schedules	E981.4
17	Panel Schedules-Emergency	E982.1
18	Panel Schedules-Emergency	E982.2
19	Panel Schedules-Legally Required	E983.1
20	Panel Schedules-Legally Required	E983.2
21	Panel Schedules-Optional Power	E984.1
22	Panel Schedules-Optional Power	E984.2
23	Panel Schedules-Normal Power	E985.1
24	Panel Schedules-Normal Power	E985.2
25	Panel Schedules-Normal Power	E985.3
26	Panel Schedules-Normal Power	E985.4
27	Panel Schedules-Normal Power	E985.5
28	Equipment Schedule	E986.1
29	Equipment Schedule	E986.2
30	One-Line Diagram	E991
31		
32	COMMUNICATIONS	
33	Notes, Symbols, and Abbreviations	Q900
34	Communications Site Plan	Q901
35	First Level Overall – Communication Plan	Q930
36	First Level Zone 1 – Communication Plan	Q931.1
37	First Level Zone 2 – Communication Plan	Q931.2
38	First Level Zone 3 – Communication Plan	Q931.3
39	Penthouse Level – Communication Plan	Q932
40	Enlarged Plans	Q961
41	Enlarged Plans	Q962
42	Enlarged Plans	Q963
43	Enlarged Plans	Q964
44	Details	Q971
45	Details	Q972
46	One-Line Diagrams	Q991
47		
48	AUDIO VISUAL	
49	Notes, Symbols, and Abbreviations	AV900
50	First Level Overall – Audio Visual Plan	AV930
51	First Level Zone 1 – Audio Visual Plan	AV931.1
52	First Level Zone 2 - Audio Visual Plan	AV931.2
53	First Level Zone 3 - Audio Visual Plan	AV931.3
54	Penthouse Level - Audio Visual Plan	AV932
55	Enlarged Plans, Elevations & Sections	AV961
56	Enlarged Plans, Elevations & Sections	AV962
57	Enlarged Plans, Elevations & Sections	AV963

1	Enlarged Plans, Elevations & Sections	AV964
2	Details	AV971
3	Schedules	AV980
4	One-Line Diagrams	AV991
5		
6	SECURITY	
7	Notes, Symbols, and Abbreviations	D900
8	Corrections Site Plan	D901
9	First Level Zone 1 – Corrections Plan	D931.1
10	First Level Zone 2 – Corrections Plan	D931.2
11	First Level Zone 3 – Corrections Plan	D931.3
12	Penthouse Level – Corrections Plan	D932
13	Enlarged Plans	D961
14	Enlarged Plans	D962
15	Enlarged Plans	D963
16	Enlarged Plans	D964
17	Corrections Details	D971
18	Corrections Details	D972
19	Corrections Details	D973
20	Schedules	D981
21	Security One-Line	D991
22	Security One-Line	D992
23	Security One-Line	D993
24		
25	ROADWAY LIGHTING	
26	Street Lighting Plan	R100
27	Street Lighting Details	R200
28	Street Lighting Details	R201
29	Street Lighting Details	R202
30		
31		
32		
33		
34		
35	***	