

1 **TABLE OF CONTENTS TECHNICAL SPECIFICATIONS (1/2023)**  
 2 **VOLUME 3 of 4**

3  
 4 Division Project No. **1711K-03**  
 5 Federal Project No. **06-79-07417**

Pages Thru  
 1  
 TC-7

6  
 7 **TITLE PAGE**  
 8 **TABLE OF CONTENTS**

9  
 10 PROJECT MANUAL VOLUME 2

11  
 12 DIVISION 02 – EXISTING CONDITIONS

13	Section	Title	
14	02 32 00	Geo Technical Investigation	02 32 00-57

15  
 16 DIVISION 03 - CONCRETE

17	Section	Title	
18	03 08 00	Commissioning of Concrete	03 08 00-06
19	03 30 00	Cast-In-Place Concrete	03 30 00-23

20  
 21 DIVISION 04 - MASONRY

22	Section	Title	
23	04 08 00	Commissioning of Masonry	04 08 00-06
24	04 20 00	Unit Masonry	04 20 00-11
25	04 43 01	Limestone	04 43 01-07

26  
 27 DIVISION 05 - METALS

28	Section	Title	
29	05 12 00	Structural Steel Framing	05 12 00-07
30	05 50 00	Metal Fabrications	05 50 00-04
31	05 51 00	Metal Stairs	05 51 00-03
32	05 52 13	Pipe and Tube Railings	05 52 13-03

33  
 34 DIVISION 06 – WOOD, PLASTICS AND COMPOSITES

35	Section	Title	
36	06 10 00	Rough Carpentry	06 10 00-06
37	06 10 53.01	Miscellaneous Rough Carpentry – Roofing	06 10 53.01-02
38	06 16 00	Sheathing	06 16 00-02
39	06 17 53	Shop-Fabricated Wood Trusses	06 17 53-05
40	06 18 00	Glued-Laminated Construction	06 18 00-06
41	06 20 13	Exterior Finish Carpentry	06 20 13-02
42	06 20 23	Interior Finish Carpentry	06 20 23-05
43	06 40 23	Interior Architectural Woodwork	06 40 23-08

44  
 45 DIVISION 07 - THERMAL AND MOISTURE PROTECTION

46	Section	Title	
47	07 10 16	Waterproofing of Utilities	07 10 16-05
48	07 13 26	Self-Adhering Sheet Waterproofing	07 13 26-05
49	07 21 00	Thermal Insulation	07 21 00-03
50	07 27 26	Fluid-Applied Membrane Air Barriers	07 27 26-06
51	07 42 13.23	Metal Composite Material Wall Panels	07 42 13.23-03
52	07 61 13	Standing Seam Sheet Metal Roofing	07 61 13-17
53		Metal Roofing System Guarantee	-02
54	07 62 00	Sheet Metal Flashing and Trim	07 62 00-06
55	07 63 00	Sheet Metal Roofing Specialties	07 63 00-06
56	07 90 00	Sealants	07 90 00-06

57

1	DIVISION 08 - OPENINGS		
2	Section	Title	
3	08 11 13	Hollow Metal Doors and Frames	08 11 13-06
4	08 14 00	Flush Wood Doors	08 14 00-03
5	08 14 33	Stile and Rail Wood Doors	08 14 33-03
6	08 31 13	Access Doors and Frames	08 31 13-03
7	08 41 13	Aluminum-Framed Entrances and Storefronts	08 41 13-05
8	08 56 53	Security Windows	08 56 53-03
9	08 70 00	Hardware	08 70 00-23
10	08 80 00	Glazing	08 80 00-06
11	08 87 00	Decorative Window Films	08 87 00-03
12	08 91 19	Fixed Louvers	08 91 19-03
13			
14	DIVISION 09 - FINISHES		
15	Section	Title	
16	09 29 00	Gypsum Board Assemblies	09 29 00-10
17	09 30 13	Ceramic Tiling	09 30 13-04
18	09 51 23	Acoustical Tile Ceilings	09 51 23-08
19	09 65 00	Resilient Flooring and Base	09 65 00-06
20	09 67 23	Resinous Flooring	09 67 23-05
21	09 68 13	Tile Carpeting	09 68 13-03
22	09 91 10	Painting	09 91 10-11
23	09 96 00	High Performance Coatings	09 96 00-03
24			
25	DIVISION 10 - SPECIALTIES		
26	Section	Title	
27	10 11 00	Visual Display Units	10 11 00-03
28	10 14 00	Signage	10 14 00-04
29	10 14 19	Dimensional Letter Signage	10 14 19-03
30	10 21 13	Toilet Compartments	10 21 13-03
31	10 26 00	Wall and Door Protection	10 26 00-02
32	10 28 00	Toilet Accessories	10 28 00-05
33	10 44 13	Fire Protection Cabinets	10 44 13-02
34	10 44 16	Fire Extinguishers	10 44 16-02
35	10 52 00	Fire Protection Specialties	10 52 00-01
36	10 75 16	Ground-Set Flagpoles	10 75 16-03
37			
38	DIVISION 12 - FURNISHINGS		
39	Section	Title	
40	12 24 13	Roller Window Shades	12 24 13-04
41	12 35 53.13	Metal Casework	12 35 53.13-05
42			
43			
44	<b>PROJECT MANUAL VOLUME 3</b>		
45			
46	<b>DIVISION 22 - PLUMBING</b>		
47	Section	Title	
48	22 05 00	Common Work Results for Plumbing	22 05 00-10
49	22 05 13	Common Motor Requirements for Plumbing Equipment	22 05 13-03
50	22 05 14	Plumbing Specialties	22 05 14-04
51	22 05 15	Piping Specialties	22 05 15-03
52	22 05 23	General Duty Valves for Plumbing Piping	22 05 23-04
53	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29-05
54	22 07 00	Plumbing Insulation	22 07 00-06
55	22 08 00	Commissioning of Plumbing	22 08 00-49
56	22 10 13	Facility Fuel Piping	22 10 13-06
57	22 11 00	Facility Water Distribution	22 11 00-07

1	22 13 00	Facility Sanitary Sewerage	22 13 00-05
2	22 30 00	Plumbing Equipment	22 30 00-03
3	22 42 00	Commercial Plumbing Fixtures	22 42 00-05
4			
5	<b>DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING</b>		
6	Section	Title	
7	23 01 30.51	HVAC Air Duct Cleaning	23 01 30.51-04
8	23 05 00	Common Work Results for HVAC	23 05 00-07
9	23 05 13	Common Motor Requirements for HVAC Equipment	23 05 13-04
10	23 05 14	Variable Frequency Drives	23 05 14-06
11	23 05 15	Piping Specialties	23 05 15-08
12	23 05 23	General-Duty Valves for HVAC Piping	23 05 23-06
13	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-07
14	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	23 05 48-05
15	23 05 93	Testing, Adjusting, and Balancing for HVAC	23 05 93-05
16	23 07 00	HVAC Insulation	23 07 00-11
17	23 08 00	Commissioning of HVAC	23 08 00-136
18	23 09 14	Pneumatic and Electric Instrumentation and Control Devices for HVAC	23 09 14-17
19	23 09 15	DDC Input/ Output Summary Table	23 09 15-09
20	23 09 23	Direct Digital Control System for HVAC	23 09 23-15
21	23 09 93	Sequence of Operation for HVAC Controls	23 09 93-12
22	23 11 00	Facility Fuel Piping	23 11 00-08
23	23 21 13	Hydronic Piping	23 21 13-11
24	23 21 23	Hydronic Pumps	23 21 23-04
25	23 23 00	Refrigerant Piping	23 23 00-03
26	23 25 00	HVAC Water Treatment	23 25 00-07
27	23 31 00	HVAC Ducts and Casings	23 31 00-08
28	23 33 00	Air Duct Accessories	23 33 00-06
29	23 34 00	HVAC Fans	23 34 00-04
30	23 36 00	Air Terminal Units	23 36 00-05
31	23 37 13	Diffusers, Registers & Grilles	23 37 13-05
32	23 41 00	Particulate Air Filtration	23 41 00-04
33	23 52 00	Heating Boilers	23 52 00-04
34	23 62 13	Packaged Air-Cooled Refrigerant Compressor and Condensing Units	23 62 13-08
35	23 72 00	Air-To-Air Energy Recovery Equipment	23 72 00-03
36	23 73 12	Air Handling Unit Coils	23 73 12-02
37	23 73 13	Modular Indoor Central-Station Air-Handling Units	23 73 13-06
38	23 81 26	Split-System Units	23 81 26-07
39	23 82 00	Heating and Cooling Terminal Units	23 82 00-03
40			
41			
42	PROJECT MANUAL VOLUME 4		
43			
44	<b>DIVISION 26 - ELECTRICAL</b>		
45	Section	Title	
46	26 05 00	Common Work Results for Electrical	26 05 00-08
47	26 05 02	Electrical Demolition for Remodeling	26 05 02-04
48	26 05 04	Cleaning, Inspection, and Testing of Electrical Equipment	26 05 04-03
49	26 05 19	Low-Voltage Electrical Power Conductors and Cables	26 05 19-05
50	26 05 23	Control-Voltage Electrical Power Cables	26 05 23-03
51	26 05 26	Grounding and Bonding for Electrical Systems	26 05 26-05
52	26 05 29	Hangers and Supports for Electrical Systems	26 05 29-03
53	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33-11
54	26 05 43	Underground Ducts and Raceway for Electrical Systems	26 05 43-04
55	26 05 53	Identification for Electrical Systems	26 05 53-03
56	26 05 73	Short Circuit/Coordination Study and Arc Flash Risk Assessment	26 05 73-06
57	26 08 00	Commissioning of Electrical	26 08 00-57

1	26 09 19	Enclosed Contactors	26 09 19-02
2	26 09 43	Distributed Digital Lighting Controls	26 09 43-13
3	26 24 16	Panelboards	26 24 16-04
4	26 27 13	Electricity Metering	26 27 13-04
5	26 27 26	Wiring Devices	26 27 26-07
6	26 27 28	Disconnect Switches	26 27 28-02
7	26 28 13	Fuses	26 28 13-01
8	26 28 16	Enclosed Switches and Circuit Breakers	26 28 16-02
9	26 29 00	Low-Voltage Controllers	26 29 00-04
10	26 32 13.13	Engine-Driven Generator Sets – Diesel	26 32 13.13-07
11	26 36 00	Transfer Switches	26 36 00-05
12	26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits	26 43 13-03
13	26 51 13	Interior Lighting Fixtures, Lamps, and Ballasts	26 51 13-07
14	26 56 29	Site Lighting	26 56 29-06
15			
16	DIVISION 27 - COMMUNICATIONS		
17	Section	Title	
18	27 05 33.41	Raceway and Boxes for Audio-Video Systems	27 05 33.41-04
19	27 05 53	Identification for Communication Systems	27 05 53-06
20	27 08 00	Commissioning of Communications	27 08 00-23
21	27 08 00.41	AV Systems Commissioning	27 08 00.41-22
22	27 10 00	Structured Cabling	27 10 00-27
23	27 11 00	Communications Equipment Room Fittings	27 11 00-05
24	27 11 13	Communications Protection	27 11 13-03
25	27 16 19	Communications Patch Cords, Work Area Cords and Cross-Connect Wire	27 16 19-04
26	27 41 00	Audio-Video Systems	27 41 00-24
27			
28	DIVISION 28 – ELECTRONIC SAFETY AND SECURITY		
29	Section	Title	
30	28 08 00	Commissioning of Electronic Safety and Security	28 08 00-02
31	28 10 00	Access Control System	28 10 00-11
32	28 23 00	Video Surveillance System	28 23 00-09
33			
34	DIVISION 30 – EXTERIOR WORK		
35	Section	Title	
36	30 05 00	Common Work Results for All Exterior Work	30 05 00-05
37			
38	DIVISION 31 - EARTHWORK		
39	Section	Title	
40	31 10 00	Site Clearing	31 10 00-02
41	31 20 00	Earthmoving	31 20 00-06
42	31 22 16.15	Roadway Subgrade Preparation	31 22 16.15-04
43	31 23 16.13	Trenching	31 23 16.13-08
44	31 23 19	Dewatering	31 23 19-03
45	31 25 00	Erosion Control	31 25 00-05
46			
47	DIVISION 32 – EXTERIOR IMPROVEMENTS		
48	Section	Title	
49	32 11 23.33	Dense Graded Base	32 11 23.33-03
50	32 12 16.13	Plant Mix Asphalt Paving	32 12 16.13-02
51	32 17 23	Pavement Markings	32 17 23-01
52	32 31 19	Decorative Metal Fences and Gates	32 31 19-04
53	32 84 00	Planting Irrigation	32 84 00-11
54	32 91 13	Soil Preparation	32 91 13-05
55	32 92 00	Plants	32 92 00-10
56	32 92 19	Seeding	32 92 19-05
57	32 92 23	Sodding	32 92 23-05

1	DIVISION 33 – UTILITIES		
2	Section	Title	
3	33 05 23.13	Utility Horizontal Directional Drilling	33 05 23.13-05
4	33 08 00	Commissioning of Utilities	33 08 00-43
5	33 11 00	Water Utility Distribution Piping	33 11 00-11
6	33 30 00	Sanitary Sewerage Utilities	33 30 00-11
7	33 40 00	Storm Drainage Utilities	33 40 00-10
8	33 50 00	Fuel Distribution Utilities	33 50 00-05
9			
10			
11	DRAWINGS - Bound Separately		
12	Title		Sheets Thru
13	Cover Sheet		T000
14	Existing Site Plan		C101
15	Existing Site Plan		C102
16	Phase 1 Exhibit – Tavern		C150
17	Phase 2 Exhibit – Utilities		C151
18	Phase 3 Exhibit – Guest Services		C152
19	Phase 4 Concrete & Landscape		C153
20	Site Demolition Plan		C201
21	Site Demolition Plan		C202
22	Site Utility Overview		C300
23	Site Utility Plan		C301
24	Site Utility Plan		C302
25	Water Plan and Profile		C305
26	Water Plan and Profile		C306
27	Storm Sewer Plan and Profile		C310
28	Storm Sewer Plan and Profile		C311
29	Storm Sewer Plan and Profile		C312
30	Sanitary Sewer Plan and Profile		C320
31	Sanitary Force Main Plan and Profile		C321
32	Proposed POWTS Overview		C350
33	Detailed POWTS Plan View		C351
34	POWTS Plan & Profile View		C352
35	POWTS Electrical Details		C353
36	POWTS Details		C354
37	POWTS Details		C355
38	POWTS Details		C356
39	Civil Details		C500
40	Civil Details		C501
41	Civil Details		C502
42	Civil Details		C503
43	Civil Details		C504
44	Civil Details		C505
45	Civil Details		C506
46	Overall Layout & Grading Plan		L100
47	Overall Landscape Plan & Plant Schedule		L101
48	Layout Plan Enlargements		L102
49	Grading Plan Enlargements		L103
50	Planting Plan Enlargements		L104
51	Planting Plan Enlargement		L105
52	Irrigation Scope of Work		L106
53	Site Details		L500
54	Planting Details		L501
55	Guest Services Center Structural Notes and Schedules		S001
56	Guest Services Center Foundation Plan - Overall		S121
57	Guest Services Center Foundation Plan – Area A		S121A

1	Guest Services Center Foundation Plan – Area B	S121B
2	Guest Services Center Foundation Plan – Area C	S121C
3	Guest Services Center Low Roof Framing Plan - Overall	S122
4	Guest Services Center Low Roof Framing Plan – Area A	S122A
5	Guest Services Center Low Roof Framing Plan – Area B	S122B
6	Guest Services Center Low Roof Framing Plan – Area C	S122C
7	Guest Services Center High Roof Framing Plan – Overall	S123
8	Guest Services Center High Roof Framing Plan – Area B	S123B
9	Guest Services Center Structural Details	S520
10	Guest Services Center Structural Details	S521
11	Notes, Symbols, Abbreviations, and Partition Types	A001
12	Guest Services Center Code Analysis and Plans	A020
13	Guest Services Center Door Schedule, Window Types and Details	A021
14	Guest Services Center Overall Floor Plan	A121
15	Guest Services Center Floor Plan – Area A	A121A
16	Guest Services Center Floor Plan – Area B	A121B
17	Guest Services Center Floor Plan – Area C	A121C
18	Guest Services Center Attic Plan – Area A	A122A
19	Guest Services Center Overall Roof Plan	A123
20	Guest Services Center Roof Plan – Area A	A123A
21	Guest Services Center Roof Plan – Area B	A123B
22	Guest Services Center Roof Plan – Area C	A123C
23	Guest Services Center Overall Ceiling Plan	A125
24	Guest Services Center Ceiling Plan – Area A	A125A
25	Guest Services Center Ceiling Plan – Area B	A125B
26	Guest Services Center Ceiling Plan – Area C	A125C
27	Guest Services Center Finish Plan and Room Finish Schedule	A127
28	Guest Services Center Finish Plan – Area A	A127A
29	Guest Services Center Finish Plan – Area B	A127B
30	Guest Services Center Finish Plan – Area C	A127C
31	Guest Services Center Exterior Elevations	A221
32	Guest Services Center Exterior Elevations	A222
33	Guest Services Center Exterior Elevations	A223
34	Guest Services Center Exterior Elevations	A224
35	Guest Services Center Exterior Elevations	A225
36	Guest Services Center Building Sections	A321
37	Guest Services Center Building Sections	A322
38	Guest Services Center Building Sections	A323
39	Guest Services Center Area A Wall Sections	A324
40	Guest Services Center Area A Wall Sections	A325
41	Guest Services Center Area A Wall Sections	A326
42	Guest Services Center Area B Wall Sections	A327
43	Guest Services Center Area B Wall Sections	A328
44	Guest Services Center Area C Wall Sections	A329
45	Guest Services Center Area C Wall Sections	A330
46	Generator Enclosure Plans & Elevations	A401
47	Guest Services Center Enlarged Plans & Interior Elevations	A421
48	Guest Services Center Enlarged Plans & Interior Elevations	A422
49	Guest Services Center Enlarged Plans & Interior Elevations	A423
50	Guest Services Center Exterior Plan Details	A521
51	Guest Services Center Exterior Plan Details	A522
52	Guest Services Center Exterior Details	A523
53	Guest Services Center Exterior Details	A524
54	Guest Services Center Exterior Details	A525
55	Guest Services Center Exterior Details	A526
56	Guest Services Center Exterior Details	A527
57	Guest Services Center Exterior Details	A528

1	Guest Services Center Interior Details	A530
2	Guest Services Center Furniture and Fixture Plans	A721
3	Guest Services Center Plumbing Notes, Symbols and Abbreviations	P021
4	Guest Services Center Plumbing Schedules	P022
5	Guest Services Center Below Slab Plumbing Plan – Area A	P120A
6	Guest Services Center Below Slab Plumbing Plan – Area C	P120C
7	Guest Services Center First Floor Plumbing Plan – Sanitary and Vent – Area A	P121A
8	Guest Services Center First Floor Plumbing Plan - Sanitary and Vent – Area C	P121C
9	Guest Services Center First Floor Plumbing Plan – Domestic Water – Area A	P221A
10	Guest Services Center First Floor Plumbing Plan - Domestic Water – Area C	P221C
11	Guest Services Center Piping Riser Diagrams – DWV	P401
12	Guest Services Center Piping Riser Diagrams – Water	P402
13	Guest Services Center Mechanical Notes, Symbols and Abbreviations	M001
14	Guest Services Center First Floor Mechanical Plan – Ductwork – Area A	M121A
15	Guest Services Center First Floor Mechanical Plan - Ductwork – Area C	M121C
16	Guest Services Center First Floor Mechanical Plan – Hydronic Piping – Area A	M221
17	Guest Services Center Mechanical Details	M501
18	Guest Services Center Mechanical Details	M502
19	Guest Services Center Mechanical Schedules	M601
20	Electrical Notes and Symbols	E001
21	Existing Electrical Site Plan	ED002
22	Electrical Site Plan	E002
23	Electrical Parking Lot Plan	E003
24	Guest Services Center Overall Electrical Floor Plan	E121
25	Guest Services Center First Floor Lighting Plan – Area A	E121A
26	Guest Services Center First Floor Lighting Plan – Area B	E121B
27	Guest Services Center First Floor Lighting Plan – Area C	E121C
28	Guest Services Center Mezzanine Lighting Plan – Area A	E122A
29	Guest Services Center First Floor Power Plan – Area A	E221A
30	Guest Services Center First Floor Power Plan – Area B	E221B
31	Guest Services Center First Floor Power Plan – Area C	E221C
32	Guest Services Center Mezzanine Power Plan – Area A	E222A
33	Electrical One-Line Diagram	E401
34	Electrical Details	E501
35	Electrical Lighting Schedules and Controls	E601
36	Electrical Power Schedules	E602
37	Comm & Security Notes and Symbols	Q001
38	Comm & Security Site Plan	Q002
39	Guest Services Center Overall Comm & Security Floor Plan	Q121
40	Guest Services Center First Floor Comm & Security Plan – Area A	Q121A
41	Guest Services Center First Floor Comm & Security Plan – Area B	Q121B
42	Guest Services Center First Floor Comm & Security Plan – Area C	Q121C
43	Comm & Security Enlarged Plans & Elevations	Q401
44	Comm & Security Details	Q501
45	Comm & Security Schedules & Schematics	Q601
46		
47	***	