

1	TABLE OF CONTENTS TECHNICAL SPECIFICATIONS	(1/2023)	
2	VOLUME 4 of 4		
3			
4	Division Project No. 22D3E		
5			Pages Thru
6	TITLE PAGE		1
7	TABLE OF CONTENTS		TC-4
8			
9	Volume 2		
10			
11	DIVISION 02 – EXISTING CONDITIONS		
12	Section Title		
13	02 32 00 Geo Technical Investigation		02 32 00-41
14			
15	DIVISION 03 – CONCRETE		
16	Section Title		
17	03 08 00 Commissioning of Concrete		03 08 00-6
18	03 30 00 Cast-In-Place Concrete		03 30 00-18
19			
20	DIVISION 04 – MASONRY		
21	Section Title		
22	04 08 00 Commissioning of Masonry		04 08 00-6
23	04 20 00 Unit Masonry		04 20 00-10
24			
25	DIVISION 05 – METALS		
26	Section Title		
27	05 40 00 Cold-Formed Metal Framing		05 40 00-3
28	05 50 00 Metal Fabrications		05 50 00-2
29			
30	DIVISION 06 – WOOD, PLASTICS AND COMPOSITES		
31	Section Title		
32	06 41 00 Architectural Wood Casework		06 41 00-5
33	06 64 00 PVC Paneling		06 64 00-4
34			
35	DIVISION 07 – THERMAL AND MOISTURE PROTECTION		
36	Section Title		
37	07 08 00 Commissioning of Thermal and Moisture Protection		07 08 00-8
38	07 21 00 Thermal Insulation		07 21 00-2
39	07 27 00 Air Barriers		07 27 00-2
40	07 61 13 Standing Seam Sheet Metal Roofing		07 61 13-15
41	07 92 00 Joint Sealants		07 92 00-5
42			
43	DIVISION 08 – OPENINGS		
44	Section Title		
45	08 08 00 Commissioning of Exterior Building Envelope		08 08 00-4
46	08 11 13 Hollow Metal Doors and Frames		08 11 13-4
47	08 36 13 Sectional Doors		08 36 13-4
48	08 43 13 Aluminum-Framed Storefronts		08 43 13-5
49	08 71 00 Finish Hardware		08 71 00-9
50	08 80 00 Glazing		08 80 00-5
51			
52	DIVISION 09 – FINISHES		
53	Section Title		
54	09 54 29 Suspended Plastic Ceilings		09 54 29-4
55	09 91 13 Exterior Painting		09 91 13-4
56	09 91 23 Interior Painting		09 91 23-5
57			

1	DIVISION 10 – SPECIALTIES		
2	Section	Title	
3	10 28 00	Toilet, Bath, and Laundry Accessories	10 28 00-3
4	10 44 00	Fire Protection Specialties	10 44 00-2
5			
6	DIVISION 13 – SPECIAL CONSTRUCTION		
7	Section	Title	
8	13 34 19	Metal Building Systems	13 34 19-8
9			
10	DIVISION 22 – PLUMBING		
11	Section	Title	
12	22 05 00	Common Work Results for Plumbing	22 05 00-7
13	22 05 13	Common Motor Requirements for Plumbing	22 05 13-4
14	22 05 14	Plumbing Specialties	22 05 14-4
15	22 05 15	Piping Specialties	22 05 15-3
16	22 05 23	General Duty Valves for Plumbing Piping	22 05 23-5
17	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29-5
18	22 07 00	Plumbing Insulation	22 07 00-7
19	22 08 00	Commissioning of Plumbing	22 08 00-68
20	22 10 13	Facility Fuel Piping	22 10 13-6
21	22 11 00	Facility Water Distribution	22 11 00-8
22	22 13 00	Facility Sanitary Sewerage	22 13 00-6
23	22 15 13	General Service Compressed Air Piping	22 15 13-5
24	22 30 00	Plumbing Equipment	22 30 00-6
25	22 42 00	Commercial Plumbing Fixtures	22 42 00-4
26			
27	Volume 3		
28			
29	DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING		
30	Section	Title	
31	23 05 00	Common Work Results for HVAC	23 05 00-6
32	23 05 13	Common Motor Requirements for HVAC Equipment	23 05 13-3
33	23 05 14	Variable Frequency Drive	23 05 14-6
34	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-5
35	23 05 93	Testing, Adjusting and Balancing for HVAC	23 05 93-5
36	23 07 00	HVAC Insulation	23 07 00-8
37	23 08 00	Commissioning of HVAC	23 08 00-74
38	23 09 14	Pneumatic and Electric Controls	23 09 14-8
39	23 09 93	Sequence of Operation for HVAC Controls	23 09 93-4
40	23 31 00	HVAC Ducts and Casings	23 31 00-8
41	23 33 00	Air Duct Accessories	23 33 00-4
42	23 34 00	HVAC Fans	23 34 00-3
43	23 37 13	Diffusers, Registers and Grilles	23 37 13-2
44	23 51 00	Breechings, Chimneys and Stacks	23 51 00-3
45	23 54 00	Gas Fired Furnaces	23 54 00-3
46	23 55 00	Fuel Fired Heaters	23 55 00-4
47	23 62 13	Packaged Air-Cooled Refrigerant Compressor and Condensing Units	23 62 13-4
48	23 81 26	Split-System Ductless Air Conditioners	23 81 26-6
49	23 82 00	Heating and Cooling Terminal Units	23 82 00-2
50			
51	DIVISION 26 – ELECTRICAL		
52	Section	Title	
53	26 05 00	Common Work Results for Electrical	26 05 00-7
54	26 05 04	Cleaning, Inspection and Testing of Electrical Equipment	26 05 04-3
55	26 05 19	Low-Voltage Electrical Power Conductors and Cables	26 05 19-5
56	26 05 23	Control-Voltage Electrical Power Cables	26 05 23-3
57	26 05 26	Grounding and Bonding for Electrical Systems	26 05 26-5

1	26 05 29	Hangers and Supports for Electrical Systems	26 05 29-3
2	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33-10
3	26 05 53	Identification for Electrical Systems	26 05 53-3
4	26 05 73	Short Circuit/Coordination Study and Arc Flash Risk Assessment	26 05 73-5
5	26 08 00	Commissioning of Electrical	26 08 00-43
6	26 24 16	Panelboards	26 24 16-4
7	26 27 02	Equipment Wiring Systems	26 27 02-3
8	26 27 13	Electricity Metering	26 27 13-3
9	26 27 26	Wiring Devices	26 27 26-5
10	26 27 28	Disconnect Switches	26 27 28-2
11	26 29 00	Low-Voltage Controllers	26 29 00-4
12	26 36 00	Transfer Switches	26 36 00-3
13	26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits	26 43 13-3
14	26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts	26 51 13-5
15			
16		DIVISION 27 – COMMUNICATIONS	
17	Section	Title	
18	27 05 53	Identification for Communication Systems	27 05 53-6
19	27 08 00	Commissioning of Communications	27 08 00-17
20	27 10 00	Structured Cabling	27 10 00-30
21	27 11 00	Communications Equipment Room Fittings	27 11 00-5
22	27 11 13	Communications Protection	27 11 13-3
23			
24		DIVISION 28 – ELECTRONIC SAFETY AND SECURITY	
25	Section	Title	
26	28 10 00	Access Control System	28 10 00-9
27			
28		Volume 4	
29			
30		DIVISION 30 – COMMON WORK RESULTS FOR ALL EXTERIOR WORK	
31	Section	Title	
32	30 05 00	Common Work Results for Exterior Work	30 05 00-5
33			
34		DIVISION 31 – EARTHWORK	
35	Section	Title	
36	31 10 00	Site Clearing	31 10 00-3
37	31 20 00	Earthmoving	31 20 00-5
38	31 22 16.15	Roadway Subgrade Preparation	31 22 16.15-4
39	31 23 16.13	Trenching	31 23 16.13-9
40	31 23 16.16	Structural Excavation for Minor Structures	31 23 16.16-5
41	31 23 19	Dewatering	31 23 19-3
42	31 25 00	Erosion Control	31 25 00-5
43			
44		DIVISION 32 – EXTERIOR IMPROVEMENTS	
45	Section	Title	
46	32 11 23.33	Dense Graded Base	32 11 23.33-3
47	32 91 13	Soil Preparation	32 91 13-4
48	32 92 19	Seeding	32 92 19-6
49			
50		DIVISION 33 – UTILITIES	
51	Section	Title	
52	33 08 00	Commissioning of Utilities	33 08 00-36
53	33 11 00	Water Utility Distribution Piping	33 11 00-14
54	33 30 00	Sanitary Sewerage Utilities	33 30 00-9
55	33 40 00	Storm Drainage Utilities	33 40 00-10
56			
57		DRAWINGS – Bound Separately	

1	Title	Sheets Thru
2		
3	COVER SHEET	G000
4	LIFE SAFETY PLAN	G001
5	ADA MOUNTING HEIGHTS	G002
6		
7	EXISTING CONDITIONS PLAN	C100
8	DEMOLITION PLAN	C200
9	SITE PLAN	C300
10	GRADING AND EROSION CONTROL PLAN	C400
11	UTILITY PLAN	C500
12	DETAILS	C600
13	DETAILS	C601
14		
15	FIRST FLOOR, RCP	A100
16	ROOF	A120
17	ELEVATIONS	A200
18	SECTIONS	A300
19	ENLARGED PLAN, INTERIOR ELEVATIONS	A400
20	DETAILS	A500
21	WALL TYPES, FRAME TYPES, DOOR SCHEDULE	A600
22		
23	STRUCTURAL NOTES	S001
24	STRUCTURAL SCHEDULES	S002
25	FOUNDATION PLAN	S100
26	FOUNDATION DETAILS	S800
27		
28	SYMBOLS, ABBREVIATIONS, AND SCHEDULES - PLUMBING	P000
29	UNDERFLOOR PLAN – PLUMBING	P100
30	FLOOR PLAN – PLUMBING	P101
31	WASTE & VENT ISOMETRIC – PLUMBING	P400
32	DOMESTIC WATER ISOMETRIC – PLUMBING	P410
33	DETAILS – PLUMBING	P900
34		
35	SYMBOLS & ABBREVIATIONS – HVAC	M000
36	FIRST FLOOR PLAN – HVAC	M101
37	SCHEDULES – HVAC	M800
38	DETAILS – HVAC	M900
39		
40	SYMBOLS, ABBREVIATIONS & DETAILS – ELECTRICAL	E000
41	SITE PLAN – ELECTRICAL	E001
42	FIRST FLOOR PLAN – LIGHTING	E101
43	FIRST FLOOR PLAN – POWER & SYSTEMS	E102
44	ROOF PLAN – ELECTRICAL	E103
45	ONE-LINE DIAGRAMS	E600
46	SCHEDULES – ELECTRICAL	E800
47	DETAILS – ELECTRICAL	E900
48		
49		
50		
51	***	