

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

3
 4 Division Project No. **20B3L**

Pages Thru

5			
6	TITLE PAGE		1
7	TABLE OF CONTENTS		TC-5

8
 9 **VOLUME 2**

10 **DIVISION 02 – EXISTING CONDITIONS**

11	Section	Title	
12	02 05 00	Common Work Results for Existing Conditions	02 05 00-4
13	02 41 13	Demolition	02 41 13-5

14
 15 **DIVISION 03 – CONCRETE**

16	Section	Title	
17	03 30 00	Cast-In-Place Concrete	03 30 00-15
18	03 35 00	Concrete Hardener – Sealer	03 35 00-3

19
 20 **DIVISION 04 – MASONRY**

21	Section	Title	
22	04 20 00	Unit Masonry	04 20 00-10

23
 24 **DIVISION 05 – METALS**

25	Section	Title	
26	05 50 00	Metal Fabrications	05 50 00-6

27
 28 **DIVISION 06 – WOOD, PLASTICS AND COMPOSITES**

29	Section	Title	
30	06 09 00	Rough and Finish Carpentry	06 09 00-8

31
 32 **DIVISION 07 – THERMAL AND MOISTURE PROTECTION**

33	Section	Title	
34	07 21 00	Building Insulation	07 21 00-4
35	07 72 33	Roof Hatches and Safety Railing	07 72 33-4
36	07 84 00	Fire Stopping	07 84 00-9
37	07 90 00	Sealants	07 90 00-5
38	07 92 16	Security Sealant	07 92 16-2

39
 40 **DIVISION 08 - OPENINGS**

41	Section	Title	Pages Thru
42	08 11 00	Hollow Metal Doors and Frames	08 11 00-9
43	08 41 00	Aluminum Storefront Framing Systems	08 41 00-10
44		Window Guarantee	-2
45	08 70 00	Hardware	08 70 00-6
46	08 71 00	Security Screws	08 71 00-2
47	08 80 00	Glass and Glazing	08 80 00-8
48	08 88 53	Security Glazing	08 88 53-6

49
 50 **DIVISION 09 - FINISHES**

51	Section	Title	Pages Thru
52	09 21 16	Gypsum Board Assemblies	09 21 16-13
53	09 30 00	Tiling	09 30 00-10
54	09 51 00	Acoustical Ceilings	09 51 00-9
55	09 57 53	Security Ceiling System	09 57 53-4
56	09 65 00	Resilient Flooring	09 65 00-8
57	09 90 00	Painting and Finishing	09 90 00-11

1	09 96 56	Waterborne Epoxy Coating	09 96 56-3
2			
3	DIVISION 10 – SPECIALTIES		
4	Section	Title	Pages Thru
5	10 28 13.63	Detention Toilet Accessories	10 28 13.63-5
6			
7	DIVISION 11 - EQUIPMENT		
8	Section	Title	Pages Thru
9	11 19 00	General Requirements for Detention Equipment	11 19 00-9
10	11 19 10	Detention Doors and Frames	11 19 10-10
11	11 19 20	Detention Equipment Hardware	11 19 20-6
12			
13	<u>VOLUME 3</u>		
14	DIVISION 21 – FIRE SUPPRESSION		
15	Section	Title	Pages Thru
16	21 05 00	Common Work Results for Fire Suppression	21 05 00-9
17	21 05 29	Hangers and Supports for Fire Suppression Piping and Equipment	21 05 29-5
18	21 08 00	Commissioning of Fire Suppression	21 08 00-8
19	21 10 00	Water-Based Fire Suppression Systems	21 10 00-10
20			
21	DIVISION 22 - PLUMBING		
22	Section	Title	Pages Thru
23	22 05 00	Common Work Results for Plumbing	22 05 00-10
24	22 05 14	Plumbing Specialties	22 05 14-4
25	22 05 15	Piping Specialties	22 05 15-3
26	22 05 23	General Duty Valves for Plumbing Piping	22 05 23-4
27	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29-5
28	22 07 00	Plumbing Insulation	22 07 00-6
29	22 08 00	Commissioning of Plumbing	22 08 00-40
30	22 11 00	Facility Water Distribution	22 11 00-10
31	22 13 00	Facility Sanitary Sewerage	22 13 00-7
32	22 14 00	Facility Storm Drainage	22 14 00-7
33	22 42 00	Commercial Plumbing Fixtures	22 42 00-5
34			
35	DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING		
36	Section	Title	Pages Thru
37	23 01 30.51	HVAC Air Duct Cleaning	23 01 30.51-4
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 13-4
40	23 05 14	Variable Frequency Drives	23 05 14-7
41	23 05 15	Piping Specialties	23 05 15-4
42	23 05 23	General-Duty Valves for HVAC Piping	23 05 23-4
43	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-4
44	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	23 05 48-6
45	23 05 93	Testing, Adjusting and Balancing for HVAC	23 05 93-5
46	23 07 00	HVAC Insulation	23 07 00-10
47	23 08 00	Commissioning of HVAC	23 08 00-124
48	23 09 14	Pneumatic and Electric Instrumentation and Control Devices for HVAC	23 09 14-17
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 24-14
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 31 00	HVAC Ducts and Casings	23 31 00-7
55	23 33 00	Air Duct Accessories	23 33 00-5
56	23 34 00	HVAC Fans	23 34 00-3
57	23 37 13	Diffusers, Registers and Grilles	23 37 13-3

1	23 41 00	Particulate Air Filtration	23 41 00-2
2	23 72 00	Air-To-Air Energy Recovery Equipment	23 72 00-3
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

VOLUME 4

8 **DIVISION 26 - ELECTRICAL**

9	Section	Title	Pages Thru
10	26 05 00	Common Work Results for Electrical	26 05 00-7
11	26 05 02	Electrical Demolition for Remodeling	26 05 02-3
12	26 05 04	Cleaning, Inspection and Testing of Electrical Equipment	26 05 04-2
13	26 05 19	Low-Voltage Electrical Power Conductors and Cables	26 05 19-4
14	26 05 26	Grounding and Bonding for Electrical Systems	26 05 26-4
15	26 05 29	Hangers and Supports for Electrical Systems	26 05 29-4
16	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33-9
17	26 05 53	Identification for Electrical Systems	26 05 53-4
18	26 08 00	Commissioning of Electrical	26 08 00-55
19	26 22 00	Low-Voltage Transformers	26 22 00-2
20	26 24 16	Panelboards	26 24 16-3
21	26 27 26	Wiring Devices	26 27 26-5
22	26 27 28	Disconnect Switches	26 27 28-2
23	26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts	26 51 13-6

24

25 **DIVISION 27 – COMMUNICATIONS**

26	Section	Title	Pages Thru
27	27 05 53	Identification for Communications Systems	27 05 53-4
28	27 08 00	Commissioning of Communications	27 08 00-18
29	27 10 00	Structured Cabling	27 10 00-21
30	27 41 34	Wideband Video Distribution System	27 41 34-5

31

32 **DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

33	Section	Title	Pages Thru
34	28 31 00	Fire Detection and Alarm	28 31 00-15

35

36 **DIVISION 30 – CIVIL DIVISIONS**

37	30 05 00	Common Work Results for All Exterior Work	30 05 00-5
----	----------	---	------------

38

39 **DIVISION 31 - EARTHWORK**

40	Section	Title	Pages Thru
41	31 20 00	Earthmoving	31 20 00-6
42	31 23 16.13	Trenching	31 23 16.13-8
43	31 23 19	Dewatering	31 23 19-3
44	31 25 00	Erosion Control	31 25 00-5

45

46 **DIVISION 32 – EXTERIOR IMPROVEMENTS**

47	Section	Title	Pages Thru
48	32 31 13.43	Correctional Chain Link Fencing and Gates	32 31 13.43-7
49	32 91 13	Soil Preparation	32 91 13-3
50	32 92 19	Seeding	32 92 19-3

51

52 **DIVISION 33 - UTILITIES**

53	Section	Title	Pages Thru
54	33 05 23.13	Utility Horizontal Directional Drilling	33 05 23.13-6
55	33 30 00	Sanitary Sewerage Utilities	33 30 00-8

56

57

1	DRAWINGS - Bound Separately	
2	Title	Sheets Thru
3	Cover Sheet / Index / Life Safety	T001
4		
5	Civil	C-
6	Project Location & General Notes	C1.10
7	Existing Survey	C1.20
8	Demo, Utility, Grading & Erosion Control Plan	C1.30
9		
10	Architectural	A-
11	Wing D-4 Demolition Plans	A101
12	Wing D-4 Reflected Ceiling Demolition Plans	A102
13	Overall First Floor Plan	A201
14	Overall Second Floor Plan	A202
15	Wing D-4 Floor Plans	A203
16	Wing D-4 Reflected Ceiling Plans	A301
17	Building Sections / Details	A401
18	Enlarged Plans / Schedules / Details	A402
19	Room Finish & Material Schedule	A1001
20	Wing D-4 Finish Plans	A1002
21		
22	Structural	
23	Wing D-4 Floor Plans	S100
24		
25	Fire Suppression	F-
26	Fire Protection Demolition Plans	FPD100
27	Fire Protection New Work Plans	FP100
28		
29	Plumbing	P-
30	Plumbing Notes and Details	P001
31	Basement and Foundation Plumbing Demolition Plans	PD100
32	First and Second Floor Plumbing Demolition Plans	PD101
33	Basement and Foundation Plumbing New Work Plans	P100
34	First and Second Floor Plumbing New Work Plans	P101
35	Plumbing Isometrics	P200
36		
37	Heating, Ventilating and Air Conditioning	M-
38	Mechanical General Information	M001
39	Mechanical Demolition Plans – Wing D-4	MD101
40	Mechanical Demolition Plan – Penthouse Ductwork	MD102
41	Mechanical Demolition Plan – Penthouse Piping	MD103
42	Mechanical Plans – Wing D-4	M201
43	Mechanical Plan – Penthouse Ductwork	M202
44	Mechanical Plan – Penthouse Piping	M203
45	Mechanical Sections	M301
46	Mechanical Details	M401
47	Mechanical Schedules	M501
48	Engineered Smoke Control System Schematic	M601
49		
50	Electrical	E-
51	Electrical Symbols, Abbreviations and Notes	E001
52	Electrical First and Second Floor Demo Plan	ED100
53	First and Second Floor Lighting Plan	E200
54	Basement, First and Second Floor Power and Systems Plan	E300
55	Electrical Plan – Penthouse	E301
56	Lighting Fixture Schedule, Details and Notes	E400
57	Electrical Schedules	E401

1	Electrical Details	E500
2	Electrical Riser Diagram	E600
3		
4	Telecommunications	T-
5	Telecommunication Details	T500
6	Telecommunication Details	T501
7	Telecommunication Detail	T502
8	Telecommunication Detail	T503
9		
10		
11		
12	***	