

1 **TABLE OF CONTENTS TECHNICAL SPECIFICATIONS (10/2022)**  
 2 **VOLUME 2 of 6**

3  
 4 Division Project No. **19H1M**

Pages Thru

5  
 6 **TITLE PAGE** 1  
 7 **TABLE OF CONTENTS** TC-17

8  
 9 **VOLUME 2**

10  
 11 **DIVISION 02 – EXISTING CONDITIONS**

12	Section	Title	
13	02 05 00	Common Work Results for Existing Conditions	02 05 00-4
14	02 32 00	Geo Technical Investigation	02 32 00-1
15	02 32 01	Geotechnical Report	02 32 01-51
16	02 41 13	Demolition	02 41 13-5
17	02 82 13	Asbestos Abatement	02 82 13-27

18  
 19 **DIVISION 03 - CONCRETE**

20	Section	Title	
21	03 08 00	Commissioning of Concrete	03 08 00-10
22	03 30 00	Cast-In-Place Concrete	03 30 00-31

23  
 24 **DIVISION 04 - MASONRY**

25	Section	Title	
26	04 08 00	Commissioning of Masonry	04 08 00-10
27	04 20 00	Unit Masonry	04 20 00-17
28	04 43 13	Stone Masonry Veneer	04 43 13-5

29  
 30 **DIVISION 05 - METALS**

31	Section	Title	
32	05 12 00	Structural Steel Framing	05 12 00-14
33	05 31 23	Steel Roof Decking	05 31 23-6
34	05 40 00	Cold-Formed Metal Framing	05 40 00-4
35	05 43 00	Slotted Channel Framing	05 43 00-3
36	05 50 00	Metal Fabrications	05 50 00-5
37	05 50 00.13	Metal Fabrications for Sitework	05 50 00.13-8
38	05 51 00	Metal Stairs	05 51 00-5
39	05 52 13	Pipe and Tube Railing	05 52 13-3

40  
 41 **DIVISION 06 – WOOD, PLASTICS AND COMPOSITES**

42	Section	Title	
43	06 10 00	Rough Carpentry	06 10 00-5
44	06 10 53.01	Miscellaneous Rough Carpentry – Roofing	06 10 53.01-2
45	06 41 00	Architectural Woodwork	06 41 00-12

46  
 47 **DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

48	Section	Title	
49	07 08 00	Commissioning of Thermal and Moisture Protection	07 08 00-18
50	07 10 16	Waterproofing for Utilities	07 10 16-5
51	07 13 00	Sheet Waterproofing	07 13 00-6
52	07 18 00	Traffic Coatings	07 18 00-3
53	07 21 00	Thermal Insulation	07 21 00-5
54	07 24 23	Direct-Applied Finish Systems	07 24 23-4
55	07 25 00	Weather Barriers	07 25 00-5
56	07 42 13	Metal Wall Panels	07 42 13-4
57	07 42 24	Aluminum Metal Plate Wall Panels	07 42 24-4

1	07 53 23	Ethylene-Propylene-Diene-Monomer Roofing	07 53 23-18
2	07 53 24	State of Wisconsin – Roofing System 5-yr Guarantee	07 53 24-2
3	07 63 00	Sheet Metal Roofing Specialties	07 63 00-8
4	07 72 00	Roof Accessories	07 72 00-5
5	07 81 00	Applied Fire Protection	07 81 00-4
6	07 84 00	Fire Stopping	07 84 00-9
7	07 92 00	Joint Sealants	07 92 00-7
8			
9	<b>DIVISION 08 - OPENINGS</b>		
10	Section	Title	
11	08 08 00	Commissioning of Exterior Building Envelope	08 08 00-6
12	08 11 13	Hollow Metal Doors and Frames	08 11 13-7
13	08 14 16	Flush Wood Doors	08 14 16-5
14	08 31 00	Access Doors and Panels	08 31 00-3
15	08 33 23	Overhead Coiling Doors	08 33 23-4
16	08 34 73	Sound Control Door Assemblies	08 34 73-5
17	08 34 83	Elevator Door Smoke Containment System	08 34 83-3
18	08 35 13.23	Accordion Folding Fire Doors	08 35 13.23-4
19	08 41 23	Fire Rated Storefront	08 41 23-5
20	08 43 13	Aluminum-Framed Storefronts	08 43 13-7
21	08 44 13	Glazed Aluminum Curtain Walls	08 44 13-9
22	08 71 00	Door Hardware	08 71 00-42
23	08 71 15	Low-Energy Automatic Door Operators	08 71 15-4
24	08 79 13	Key Storage Equipment	08 79 13-2
25	08 80 00	Glazing	08 80 00-8
26	08 91 00	Louvers	08 91 00-5
27			
28	<b>DIVISION 09 - FINISHES</b>		
29	Section	Title	
30	09 05 61	Common Work Results for Flooring Preparation	09 05 61-4
31	09 06 01	Finish Schedule	09 06 01-6
32	09 21 16	Gypsum Board Assemblies	09 21 16-9
33	09 30 00	Tiling	09 30 00-6
34	09 51 00	Acoustical Ceilings	09 51 00-5
35	09 65 00	Resilient Flooring	09 65 00-4
36	09 66 23	Resinous Matrix Terrazzo Flooring	09 66 23-5
37	09 67 00	Fluid-Applied Flooring	09 67 00-4
38	09 68 13	Tile Carpeting	09 68 13-3
39	09 72 00	Wall Covering	09 72 00-4
40	09 72 20	Decorative Thermoplastic Wall Covering	09 72 20-2
41	09 84 30	Sound-Absorbing Ceiling and Wall Units	09 84 30-3
42	09 90 00	Painting and Coating	09 90 00-7
43	09 91 16	Painting for Utilities	09 91 16-4
44			
45	<b>DIVISION 10 - SPECIALTIES</b>		
46	Section	Title	
47	10 11 00	Visual Display Boards	10 11 00-4
48	10 14 16	Building Dedication Plaque	10 14 16-3
49	10 21 13.19	Plastic Toilet Compartments	10 21 13.19-3
50	10 26 00	Wall and Door Protection	10 26 00-3
51	10 28 00	Toilet, Bath, and Laundry Accessories	10 28 00-4
52	10 44 00	Fire Protection Specialties	10 44 00-3
53			
54	<b>DIVISION 11 - EQUIPMENT</b>		
55	Section	Title	
56	11 06 00	Schedules for Equipment	11 06 00-3
57	11 08 00	Commissioning of Equipment	11 08 00-6

1	11 53 00	Laboratory Equipment	11 53 00-5
2	11 53 13	High Performance Laboratory Fume Hoods	11 53 13-17
3			
4	<b>DIVISION 12 - FURNISHINGS</b>		
5	Section	Title	
6	12 24 00	Window Shades	12 24 00-6
7	12 35 53	Wood Laboratory Casework	12 35 53-5
8	12 35 59	Display Case Glass Doors	12 35 59-3
9			
10	<b>DIVISION 14 - CONVEYING SYSTEMS</b>		
11	Section	Title	
12	14 08 00	Commissioning of Conveying Systems	14 08 00-3
13	14 21 20	Traction Elevators	14 21 20-19
14			
15	<b><u>VOLUME 3</u></b>		
16			
17	<b>DIVISION 21 – FIRE SUPPRESSION</b>		
18	Section	Title	
19	21 05 00	Common Work Results for Fire Protection	21 05 00-8
20	21 05 29	Hangers and Supports for Fire Protection Piping and Equipment	21 05 29-5
21	21 08 00	Commissioning of Fire Protection	21 08 00-14
22	21 10 00	Water-Based Fire Protection Systems	21 10 00-9
23			
24	<b>DIVISION 22 - PLUMBING</b>		
25	Section	Title	
26	22 05 00	Common Work Results for Plumbing	22 05 00-10
27	22 05 13	Common Motor Requirements for Plumbing	22 05 13-4
28	22 05 14	Plumbing Specialties	22 05 14-7
29	22 05 15	Piping Specialties	22 05 15-3
30	22 05 23	General Duty Valves for Plumbing Piping	22 05 23-8
31	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29-6
32	22 07 00	Plumbing Insulation	22 07 00-7
33	22 08 00	Commissioning of Plumbing	22 08 00-120
34	22 10 13	Facility Fuel Piping	22 10 13-6
35	22 11 00	Facility Water Distribution	22 11 00-10
36	22 13 00	Facility Sanitary Sewerage	22 13 00-8
37	22 14 00	Facility Storm Drainage	22 14 00-7
38	22 15 13	General Service Compressed Air Piping	22 15 13-7
39	22 30 00	Plumbing Equipment	22 30 00-8
40	22 42 00	Commercial Plumbing Fixtures	22 42 00-8
41	22 60 00	Gas and Vacuum Systems for Laboratories and Healthcare Facilities	22 60 00-10
42	22 67 00	Processed Water Systems for Laboratories and Healthcare Facilities	22 67 00-19
43			
44	<b><u>VOLUME 4</u></b>		
45			
46	<b>DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING</b>		
47	Section	Title	
48	23 05 00	Common Work Results for HVAC	23 05 00-8
49	23 05 13	Common Motor Requirements for HVAC Equipment	23 05 13-4
50	23 05 14	Variable Frequency Drives	23 05 14-7
51	23 05 15	Piping Specialties	23 05 15-12
52	23 05 23	General Duty Valves for HVAC	23 05 23-10
53	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-6
54	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	23 05 48-6
55	23 05 93	Testing, Adjusting and Balancing for HVAC	23 05 93-6
56	23 07 00	HVAC Insulation	23 07 00-13
57	23 08 00	Commissioning of HVAC	23 08 00-222

1	23 09 14	Pneumatic and Electric Controls	23 09 14-23
2	23 09 15	Points List	23 09 15-46
3	23 09 16	Variable Volume Fume Hood Control System	23 09 16-11
4	23 09 24	Direct Digital Control System for HVAC (Informational Purposes Only)	23 09 24-15
5	23 09 93	Sequence of Operation for HVAC Controls	23 09 93-63
6	23 21 13	Hydronic Piping	23 21 13-12
7	23 21 23	Hydronic Pumps	23 21 23-5
8	23 22 13	Steam and Condensate Heating Piping	23 22 13-8
9	23 22 13.13	Underground Steam and Condensate Heating Piping	23 22 13.13-6
10	23 22 23	Steam Condensate Pumps	23 22 23-3
11	23 25 00	HVAC Water Treatment	23 25 00-7
12	23 31 00	HVAC Ducts and Casings	23 31 00-9
13	23 33 00	Air Duct Accessories	23 33 00-7
14	23 34 00	HVAC Fans	23 34 00-4
15	23 35 00	Shop Exhaust Systems	23 35 00-4
16	23 36 00	Air Terminal Units	23 36 00-7
17	23 37 13	Diffusers, Registers and Grilles	23 37 13-4
18	23 41 00	Particulate Air Filtration	23 41 00-3
19	23 57 00	Heat Exchangers for HVAC	23 57 00-2
20	23 64 15	Water Cooled Chillers	23 64 15-13
21	23 65 00	Cooling Towers	23 65 00-4
22	23 65 05	Drycoolers	23 65 05-3
23	23 72 00	Air-To-Air Energy Recovery Equipment	23 72 00-5
24	23 73 12	Air Handling Unit Coils	23 73 12-3
25	23 73 13	Modular Indoor Central-Station Air-Handling Units	23 73 13-6
26	23 73 23	Factory Fabricated Custom Air Handling Units	23 73 23-9
27	23 73 24	Factory Fabricated Custom Laboratory Energy Recovery Units	23 73 24-8
28	23 82 00	Heating and Cooling Terminal Units	23 82 00-4
29	23 84 13	Humidifiers	23 84 13-2

30

31 **VOLUME 5**

32

33 **DIVISION 26 - ELECTRICAL**

34

Section	Title	
35	26 05 00	Common Work Results for Electrical 26 05 00-8
36	26 05 04	Cleaning, Inspection and Testing of Electrical Equipment 26 05 04-4
37	26 05 13	Medium-Voltage Cables 26 05 13-6
38	26 05 19	Low-Voltage Electrical Power Conductors and Cables 26 05 19-7
39	26 05 23	Control-Voltage Electrical Power Cables 26 05 23-3
40	26 05 26	Grounding and Bonding for Electrical Systems 26 05 26-6
41	26 05 29	Hangers and Supports for Electrical Systems 26 05 29-4
42	26 05 33	Raceway and Boxes for Electrical Systems 26 05 33-12
43	26 05 34	Underground HDPE Pathways for Electrical Systems 26 05 34-5
44	26 05 36	Cable Trays for Electrical Systems 26 05 36-5
45	26 05 43	Underground Ducts and Raceways for Electrical Systems 26 05 43-4
46	26 05 44	Manholes 26 05 44-5
47	26 05 53	Identification for Electrical Systems 26 05 53-4
48	26 05 73	Short Circuit/Coordination Study and Arc Flash Risk Assessment 26 05 73-6
49	26 08 00	Commissioning of Electrical 26 08 00-89
50	26 09 19	Enclosed Contactors 26 09 19-2
51	26 09 28	Lighting Control Panels 26 09 28-7
52	26 09 43	Distributed Digital Lighting Controls 26 09 43-14
53	26 12 16	Medium-Voltage Transformers, Dry Type (Indoor) 26 12 16-4
54	26 13 02	Medium-Voltage Pad Mounted Switchgear (Outdoor) 26 13 02-5
55	26 13 16	Medium-Voltage Fusible Interrupter Switchgear 26 13 16-7
56	26 18 23	Medium-Voltage Surge Arresters 26 18 23-2
57	26 22 00	Low-Voltage Transformers 26 22 00-3

1	26 24 13	Switchboards	26 24 13-6
2	26 24 16	Panelboards	26 24 16-5
3	26 27 02	Equipment Wiring Systems	26 27 02-7
4	26 27 13	Electricity Metering	26 27 13-5
5	26 27 26	Wiring Devices	26 27 26-8
6	26 27 28	Disconnect Switches	26 27 28-2
7	26 27 29	Elevator Distribution Equipment	26 27 29-3
8	26 28 13	Fuses	26 28 13-1
9	26 28 16	Enclosed Switches and Circuit Breakers	26 28 16-3
10	26 29 00	Low-Voltage Controllers	26 29 00-4
11	26 32 13.13	Engine-Driven Generator Sets – Diesel	26 32 13.13-9
12	26 36 00	Transfer Switches	26 36 00-6
13	26 41 13.13	Lightning Protection for Buildings	26 41 13.13-3
14	26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits	26 43 13-3
15	26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts	26 51 13-7
16	26 56 29	Site Lighting	26 59 29-6
17			
18		<b>DIVISION 27 - COMMUNICATIONS</b>	
19	Section	Title	
20	27 05 53	Identification for Communication Systems	27 05 53-7
21	27 08 00	Commissioning of Communications	27 08 00-19
22	27 10 00	Structured Cabling	27 10 00-32
23	27 11 00	Communications Room Equipment Fittings	27 11 00-6
24	27 11 13	Communications Protections	27 11 13-4
25	27 16 19	Communications Patch Cords, Station Cords and Cross-Connect Wire	27 16 19-4
26	27 41 00	Audio Video Systems	27 41 00-27
27	27 51 29	Two-way Emergency Communications Systems	27 51 29-6
28			
29		<b><u>VOLUME 6</u></b>	
30			
31		<b>DIVISION 28 – ELECTRONIC SAFETY AND SECURITY</b>	
32	Section	Title	
33	28 05 37	Emergency Responder Radio Coverage System	28 05 37-13
34	28 08 00	Security Detail	28 08 00-17
35	28 10 00	Access Control System	28 10 00-11
36	28 23 00	Video Surveillance System	28 23 00-8
37	28 31 00	Fire Detection and Alarm	28 31 00-37
38			
39		<b>DIVISION 30 – COMMON WORK RESULTS FOR ALL EXTERIOR WORK</b>	
40	Section	Title	
41	30 05 00	Common Work Results for Exterior Work	30 05 00-6
42			
43		<b>DIVISION 31 - EARTHWORK</b>	
44	Section	Title	
45	31 10 00	Site Clearing	31 10 00-2
46	31 13 00	Selective Tree and Shrub Removal and Transplanting	31 13 00-4
47	31 20 00	Earthmoving	31 20 00-8
48	31 22 16.15	Roadway Subgrade Preparation	31 22 16.15-4
49	31 23 16.13	Trenching	31 23 16.13-10
50	31 23 19	Dewatering	31 23 19-3
51	31 25 00	Erosion Control	31 25 00-4
52			
53		<b>DIVISION 32 – EXTERIOR IMPROVEMENTS</b>	
54	Section	Title	
55	32 11 23.33	Dense Graded Base	32 11 23.33-4
56	32 12 16.13	Plant Mix Asphalt Paving	32 12 16.13-3
57	32 13 00.01	Landscape Stone and Masonry	32 13 00.01-5

1	32 17 23	Pavement Markings	32 17 23-2
2	32 91 13	Soil Preparation	32 91 13-3
3	32 91 13.50	Stormwater Bioinfiltration	32 91 13.50-6
4	32 92 00	Plants	32 92 00-10
5	32 92 19	Seeding	32 92 19-3
6	32 97 01	Site Improvements	32 97 01-4
7			
8	<b>DIVISION 33 – UTILITIES</b>		
9	Section	Title	
10	33 05 23.13	Utility Horizontal Directional Drilling	33 05 23.13-6
11	33 08 00	Commissioning of Utilities	33 08 00-71
12	33 11 00	Water Utility Distribution Piping	33 11 00-14
13	33 30 00	Sanitary Sewerage Utilities	33 30 00-9
14	33 40 00	Storm Drainage Utilities	33 40 00-14
15	33 61 13	Chilled Water and Condenser Water Utilities	31 61 13-15
16	33 63 13	Hydronic Heating & Steam Utilities	33 63 13-2
17	33 65 00	Thermal Utilities	33 65 00-3
18			
19			
20	<b>DRAWINGS - Bound Separately</b>		
21	Title		Sheets Thru
22			
23	<b><u>VOLUME 1</u></b>		
24	Title Sheet		T101
25			
26	<b>CHILLER PLANT</b>		
27	First Level – Code Plan, Floor Plan and Roof Plan		XA101
28	Exterior Elevations		XA510
29	General Notes		XS301
30	General Information		XS302
31	Chiller Plant – Equipment Platform Plan		XS312
32	Framing Elevations		XS321
33	Steel and Miscellaneous Details		XS371
34	Chiller Plant – First Floor Demolition Plan		XM111
35	Chiller Plant – Roof Demolition Plan		XM121
36	Chiller Plant – First Floor Plan		XM211
37	Chiller Plant – Roof Plan		XM221
38	Chiller Plant – Mechanical Sections		XM500
39	Chiller Plant – Mechanical Details		XM600
40	Chiller Plant – Chilled and Condenser Water Flow Diagram		XM700
41	Chiller Plant – Miscellaneous Flow Diagrams		XM701
42	Chiller Plant – Mechanical Schedules		XM800
43	Chiller Plant – First Level Electrical Plan		XE211
44	Chiller Plant – Roof Level Electrical Plan		XE221
45	Chiller Plant – Power One Line Diagram		XE700
46	Chiller Plant – Electrical Equipment Schedule		XE801
47			
48	<b><u>VOLUME 2</u></b>		
49	Title Sheet		T102
50			
51	<b>FRONT END</b>		
52	First Level – Code Plan		A101
53	Second and Third Level – Code Plan		A102
54	Fourth Level - Code Plan & Section Diagram		A103
55	Control Areas – First and Second Levels		A111
56	Control Areas – Third Level		A112
57	First Level Zone 1 – Signage Plan		A121.1

1	First Level Zone 2 – Signage Plan	A121.2
2	Second Level Zone 1 – Signage Plan	A122.1
3	Second Level Zone 2 – Signage Plan	A122.2
4	Third Level Zone 1 – Signage Plan	A123.1
5	Third Level Zone 2 – Signage Plan	A123.2
6	Fourth Level Zone 1 – Signage Plan	A124.1
7	Fourth Level Zone 2 – Signage Plan	A124.2
8	Exterior Mock-Up	A140
9		
10	ABATEMENT	
11	Hagestad Hall Asbestos Abatement – Hall Basement	H101
12	Hagestad Hall Asbestos Abatement – 1 <sup>st</sup> Floor	H102
13	Hagestad Hall Asbestos Abatement – 2 <sup>nd</sup> Floor	H103
14	Hagestad Hall Asbestos Abatement – Tunnels	H104
15		
16	CIVIL / LANDSCAPE	
17	Overall Existing Conditions Plan	C001
18	Construction Phasing Diagram	C002
19	Site Preparation and Erosion Control Plan	C101
20	Site Preparation and Erosion Control Plan – Chilled Water	C102
21	Site Layout and Materials Plan	C103
22	Site Layout, Materials, Grading, and Utility Plan – Chilled Water	C104
23	Site Grading Plan	C105
24	Site Stormwater Management Plan	C106
25	Site Utility Plan	C107
26	Site Landscaping Plan	C108
27	Site Chilled Water Utility Plan and Profile	C200
28	Site Chilled Water Utility Plan and Profile and Details	C201
29	Site Steam and Condensate Plan and Profile	C202
30	Storm Sewer Profiles	C203
31	Site Power and Telecommunications Utility Plan and Profiles	C204
32	Site Chilled Water Utility Plan and Profile	C205
33	Site Chilled Water Utility Plan and Profile and Details	C206
34	Site Steam and Condensate Plan and Profile	C207
35	Site Details	C500
36	Site Details	C501
37	Erosion Control Details	C502
38	Utility Details	C503
39	Chilled Water Details	C504
40		
41	STRUCTURAL	
42	General Notes	S301
43	General Information	S302
44	Design Load Plans	S303
45	Design Load Plans	S304
46	Design Load Plans	S305
47	General Concrete Details	S306
48	General Foundation Details	S307
49	General Masonry Details	S308
50	General Roof Deck Details	S309
51	First Level Zone 1 – Foundation Plan	S311.1
52	First Level Zone 2 – Foundation Plan	S311.2
53	Second Level Zone 1 – Framing Plan	S312.1
54	Second Level Zone 1 – Additional Slab and Shear Reinforcement Plan	S312.1A
55	Second Level Zone 2 – Framing Plan	S312.2
56	Second Level Zone 2 – Additional Slab and Shear Reinforcement Plan	S312.2A
57	Third Level Zone 1 – Framing Plan	S313.1

1	Third Level Zone 1 – Additional Slab and Shear Reinforcement Plan	S313.1A
2	Third Level Zone 2 – Framing Plan	S313.2
3	Third Level Zone 2 – Additional Slab and Shear Reinforcement Plan	S313.2A
4	Fourth Level Zone 1 – Framing Plan	S314.1
5	Fourth Level Zone 1 – Additional Slab and Shear Reinforcement Plan	S314.1A
6	Fourth Level Zone 2 – Framing Plan	S314.2
7	Fourth Level Zone 1 – Additional Slab and Shear Reinforcement Plan	S314.2A
8	Penthouse Roof Zone 2 – Framing Plan	S315.1
9	Penthouse Roof Zone 2 – Framing Plan	S315.2
10	Enlarged Plans	S317
11	Enlarged Stair Plans	S318
12	Shear Wall Elevations – Elevator 1	S321
13	Shear Wall Elevations – Stair A	S322
14	Shear Wall Elevations – Elevator 2	S323
15	Shear Wall Elevations – Stair B	S324
16	Shear Wall Elevations – Stair C	S325
17	Framing Elevations	S326
18	Façade Support Elevations	S331
19	Façade Support Elevations	S332
20	Façade Support Elevations	S333
21	Façade Support Elevations	S334
22	Façade Support Elevations	S335
23	Façade Support – North Canopy	S336
24	Façade Support – South Canopy	S337
25	Façade Support Details	S341
26	Façade Support Details	S342
27	Façade Support Details	S343
28	Façade Support Details	S344
29	Concrete Details	S351
30	Concrete Details	S352
31	Concrete Details	S353
32	Concrete Details	S354
33	Steel Details	S371
34	Steel Details	S372
35	Steel and Miscellaneous Details	S373
36	Stair Details	S374
37	Stair Details	S375
38	Concrete Foundation and Column Schedules	S381
39	Concrete Joist and Beam Schedules	S382
40	Concrete Masonry Schedules	S383
41	Steel Column and Base Plate Schedule	S384
42		
43	<b><u>VOLUME 3</u></b>	
44	Title Sheet	T103
45		
46	ARCHITECTURAL	
47	First Level Zone 1 – Floor Plan	A411.1
48	First Level Zone 2 – Floor Plan	A411.2
49	Second Level Zone 1 – Floor Plan	A412.1
50	Second Level Zone 2 – Floor Plan	A412.2
51	Third Level Zone 1 – Floor Plan	A413.1
52	Third Level Zone 2 – Floor Plan	A413.2
53	Fourth Level Zone 1 – Floor Plan	A414.1
54	Fourth Level Zone 2 – Floor Plan	A414.2
55	First Level Zone 1 – Finish Plan	A421.1
56	First Level Zone 2 – Finish Plan	A421.2
57	Second Level Zone 1 – Finish Plan	A422.1



1	Second Level Zone 2 – Finish Plan	A422.2
2	Third Level Zone 1 – Finish Plan	A423.1
3	Third Level Zone 2 – Finish Plan	A423.2
4	Penthouse Level Zone 1 – Finish Plan	A424.1
5	Penthouse Level Zone 2 – Finish Plan	A424.2
6	First Level Zone 1 – Reflected Ceiling Plan	A431.1
7	First Level Zone 2 – Reflected Ceiling Plan	A431.2
8	Second Level Zone 1 – Reflected Ceiling Plan	A432.1
9	Second Level Zone 2 – Reflected Ceiling Plan	A432.2
10	Third Level Zone 1 – Reflected Ceiling Plan	A433.1
11	Third Level Zone 2 – Reflected Ceiling Plan	A433.2
12	Fourth Level Zone 1 – Reflected Ceiling Plan	A434.1
13	Fourth Level Zone 2 – Reflected Ceiling Plan	A434.2
14	First Level Zone 1 – Floor Pattern Plan	A441.1
15	First Level Zone 2 – Floor Pattern Plan	A441.2
16	Second Level Zone 1 – Floor Pattern Plan	A442.1
17	Second Level Zone 2 – Floor Pattern Plan	A442.2
18	Third Level Zone 1 – Floor Pattern Plan	A443.1
19	Third Level Zone 2 – Floor Pattern Plan	A443.2
20	Partition Types	A450
21	Roof Plan and Roof Details	A500
22	Exterior Elevations	A510
23	Exterior Elevations	A511
24	Exterior Elevations	A512
25	Exterior Elevations	A513
26	Opening Schedule	A520
27	Door Panel and Frame Types	A521
28	Storefront Types	A522
29	Curtain Wall Types and Mullion Profiles	A523
30	Curtain Wall Types	A524
31	Curtain Wall Types	A525
32	Louver Types and Wall Types	A527
33	Building Sections	A530
34	Wall Sections	A540
35	Wall Sections	A541
36	Wall Sections	A542
37	1/4" Stair A Plans and Sections	A550
38	1/4" Stair B Plans and Sections	A551
39	1/4" Stair C Plans and Sections	A552
40	1/4" Stair D and E Plans and Sections	A553
41	1/4" Stair E Plans and Sections	A554
42	1/4" Elevator Plans and Sections	A555
43	Stair Details	A556
44	Exterior Details	A560
45	Exterior Details	A561
46	Exterior Details	A562
47	Exterior Details	A563
48	Exterior Details	A564
49	Exterior Details	A565
50	Exterior Details	A566
51	Mounting Heights and Interior Elevation Notes	A600
52	1/4" Toilet Plans and Elevations	A602
53	Typical Lab Casework Elevations	A610
54	First Level Zone 1 – Aquatics and Specimen and Herbarium Storage	A611
55	First Level Zone 1 – Flexible Teaching 2 – Ecology	A612
56	First Level Zone 1 – Flex Teaching Bio, Prep, Flex Support and Flex Teaching General Bio	A613
57	First Level Zone 2 – Imaging Suite	A614

1	First Level Zone 2 – Project Lab 4 – Rockets and Biophysics and Optics Lasers Research	A615
2	First Level Zone 1 – Field Storage, Head House, Grow Chamber – Aquatics and Grow Chamber	A617
3	First Level Zone 1 – Environmental Bio – Research	A618
4	First Level Zone 1 – Gen Chem 2	A620
5	First Level Zone 1 – SATL Prep and Gen Chem 1	A621
6	First Level Zone 2 – Project Lab 2 – Capstone Projects and Condensed Matter Instrumentation	A622
7	First Level Zone 2 – Makers Space	A623
8	First Level Zone 2 – Classroom – Presentation Room – VR	A624
9	Second Level Zone 1 – Storage Dept. and Bio Prep	A625
10	Second Level Zone 1 – Cell-Dev Research and Culture Teaching	A626
11	Second Level Zone 1 – Biochem Molecular Lab and Molecular Support	A627
12	Second Level Zone 1 – Biochem Research and Coldroom C4	A628
13	Second Level Zone 2 – Studio Lab 2 – Physics Intro and Studio Lab 3 – Physics Intermediate	A629
14	Second Level Zone 2 – Project lab 3 – Electronics and Robotics and Project Lab 5 – Astrophysics	A630
15	Second Level Zone 1 – Biochem Instrument	A631
16	Second Level Zone 2 – Peer Learning, Computer Room, and Physics and Biology Commons	A632
17	Second Level Zone 2 – Micro-Virology Research	A633
18	Second Level Zone 2 – Micro Prep	A634
19	Second Level Zone 2 – A&P Lab and Storage Enlarged Floor Plans	A635
20	Second Level Zone 2 – A&P Lab and Storage Interior Elevations	A636
21	Third Level Zone 1 – Glassware and Prep-Stock	A637
22	Third Level Zone 1 – Organic Lab	A638
23	Third Level Zone 1 – Organic Instruments and Chromatography	A639
24	Third Level Zone 1 – Organic Research	A640
25	Third Level Zone 1 – Social Behavior	A641
26	Third Level Zone 2 – Flex Lab 4 – Neuroscience and Behavior Observation	A642
27	Third Level Zone 2 – Research, Storage, and IRB Storage and Vivarium	A643
28	Third Level Zone 2 – Peer Learning and Data Analysis – Computer, Chemistry & Psych Commons	A644
29	Third Level Zone 2 – Advanced Chem – Teaching Lab	A645
30	Third Level Zone 2 – Advanced Chemistry Research	A647
31	Third Level Zone 2 – Studio Lab 1 – Psychology and Studio Lab 4	A648
32	Equipment Schedules – Biology	A655
33	Equipment Schedules – Biology	A656
34	Equipment Schedules – Biology	A657
35	Equipment Schedules – Biology	A658
36	Equipment Schedules – Chemistry	A659
37	Equipment Schedules – Chemistry	A660
38	Equipment Schedules – Chemistry	A661
39	Equipment Schedules – Chemistry	A662
40	Equipment Schedules – Physics	A663
41	Equipment Schedules – Physics	A664
42	Equipment Schedules – Physics, Psychology	A665
43	Interior Elevations	A670
44	Interior Elevations	A671
45	Interior Details	A680
46	Interior Details	A681
47	Interior Details	A682
48	Interior Details	A683
49	Ceiling Details	A690
50		
51	<b><u>VOLUME 4</u></b>	
52	Title Sheet	T104
53		
54	<b>PLUMBING</b>	
55	Plumbing Symbols & Abbreviations	P000
56	Plumbing Water Calculations	P001
57	Underfloor Overall – Plumbing Plan	P410

1	Underfloor Zone 1A – Plumbing Plan	P410.1A
2	Underfloor Zone 1B – Plumbing Plan	P410.1B
3	Underfloor Zone 2A – Plumbing Plan	P410.2A
4	Underfloor Zone 2B – Plumbing Plan	P410.2B
5	Underfloor Zone 2C – Plumbing Plan	P410.2C
6	First Level Overall – Plumbing Plan	P411
7	First Level Zone 1A – Plumbing Plan	P411.1A
8	First Level Zone 1B – Plumbing Plan	P411.1B
9	First Level Zone 2A – Plumbing Plan	P411.2A
10	First Level Zone 2B – Plumbing Plan	P411.2B
11	First Level Zone 2C – Plumbing Plan	P411.2C
12	Second Level Overall – Plumbing Plan	P412
13	Second Level Zone 1A – Plumbing Plan	P412.1A
14	Second Level Zone 1B – Plumbing Plan	P412.1B
15	Second Level Zone 2A – Plumbing Plan	P412.2A
16	Second Level Zone 2B – Plumbing Plan	P412.2B
17	Second Level Zone 2C – Plumbing Plan	P412.2C
18	Third Level Overall – Plumbing Plan	P413
19	Third Level Zone 1A – Plumbing Plan	P413.1A
20	Third Level Zone 1B – Plumbing Plan	P413.1B
21	Third Level Zone 2A – Plumbing Plan	P413.2A
22	Third Level Zone 2B – Plumbing Plan	P413.2B
23	Third Level Zone 2C – Plumbing Plan	P413.2C
24	Penthouse Level Overall – Plumbing Plan	P414
25	Penthouse Level Zone 1A – Plumbing Plan	P414.1A
26	Penthouse Level Zone 1B – Plumbing Plan	P414.1B
27	Penthouse Level Zone 2A – Plumbing Plan	P414.2A
28	Penthouse Level Zone 2B – Plumbing Plan	P414.2B
29	Penthouse Level Zone 2C – Plumbing Plan	P414.2C
30	Roof Overall – Plumbing Plan	P415
31	Roof Zone 1A – Plumbing Plan	P415.1A
32	Roof Zone 1B – Plumbing Plan	P415.1B
33	Roof Zone 2A – Plumbing Plan	P415.2A
34	Roof Zone 2B – Plumbing Plan	P415.2B
35	Roof Zone 2C – Plumbing Plan	P415.2C
36	Enlarged Plans	P500
37	Plumbing Details	P600
38	Plumbing Details	P601
39	Plumbing Details	P602
40	Plumbing Details	P603
41	Plumbing Details	P604
42	Building Water Flow Diagram	P700
43	High Purity Water Flow Diagram	P701
44	Compressed Air Flow Diagram	P702
45	Natural Gas Flow Diagram	P703
46	Compressed Air Flow Diagram	P704
47	Lab Gases Flow Diagram	P705
48	Domestic Water Isometric	P800
49	Domestic Water Isometric	P801
50	Domestic Water Isometric	P802
51	Domestic Water Isometric	P803
52	Sanitary Waste & Vent Isometric	P804
53	Sanitary Waste & Vent Isometric	P805
54	Acid Waste & Vent Isometric	P806
55	Acid Waste & Vent Isometric	P807
56	Acid Waste & Vent Isometric	P808
57	Storm & Overflow Isometric	P809

1	Storm & Overflow Isometric - West	P810
2	Storm & Overflow Isometric - Central	P811
3	Storm & Overflow Isometric – East - Upper	P812
4	Storm & Overflow Isometric – East - Lower	P813
5	Plumbing Schedules	P900
6		
7	<b>FIRE PROTECTION</b>	
8	Fire Protection Symbols and Abbreviations	F000
9	First Level Zone 1 – Fire Protection Plan	F411.1
10	First Level Zone 2 – Fire Protection Plan	F411.2
11	Second Level Zone 1 – Fire Protection Plan	F412.1
12	Second Level Zone 2 – Fire Protection Plan	F412.2
13	Third Level Zone 1 – Fire Protection Plan	F413.1
14	Third Level Zone 2 – Fire Protection Plan	F413.2
15	Penthouse Zone 1 – Fire Protection Plan	F414.1
16	Penthouse Zone 2 – Fire Protection Plan	F414.2
17	Roof Zone 1 – Fire Protection Plan	F415.1
18	Roof Zone 2 – Fire Protection Plan	F415.2
19	Fire Protection Details	F600
20	Fire Protection Details	F601
21	Fire Protection Flow Diagram	F700
22		
23	<b><u>VOLUME 5</u></b>	
24	Title Sheet	T105
25		
26	<b>MECHANICAL</b>	
27	Mechanical, Symbols & Abbreviations	M000
28	First Level Overall – Mechanical Plan	M411
29	Second Level Overall – Mechanical Plan	M412
30	Third Level Overall – Mechanical Plan	M413
31	Underfloor Overall - Mechanical Piping Plan	M420
32	First Level Overall – Mechanical Piping Plan	M421
33	Second Level Overall – Mechanical Piping Plan	M422
34	Third Level Overall – Mechanical Piping Plan	M423
35	Fourth Level Overall – Mechanical Piping Plan	M424
36	Fourth Level Overall – Mechanical Plan	M414
37	First Level Zone 1A – Mechanical Ductwork Plan	M411.1A
38	First Level Zone 1B – Mechanical Ductwork Plan	M411.1B
39	First Level Zone 2A – Mechanical Ductwork Plan	M411.2A
40	First Level Zone 2B – Mechanical Ductwork Plan	M411.2B
41	First Level Zone 2C – Mechanical Ductwork Plan	M411.2C
42	Second Level Zone 1A – Mechanical Ductwork Plan	M412.1A
43	Second Level Zone 1B – Mechanical Ductwork Plan	M412.1B
44	Second Level Zone 2A – Mechanical Ductwork Plan	M412.2A
45	Second Level Zone 2B – Mechanical Ductwork Plan	M412.2B
46	Second Level Zone 2C – Mechanical Ductwork Plan	M412.2C
47	Third Level Zone 1A – Mechanical Ductwork Plan	M413.1A
48	Third Level Zone 1B – Mechanical Ductwork Plan	M413.1B
49	Third Level Zone 2A – Mechanical Ductwork Plan	M413.2A
50	Third Level Zone 2B – Mechanical Ductwork Plan	M413.2B
51	Third Level Zone 2C – Mechanical Ductwork Plan	M413.2C
52	Penthouse Level Zone 1A – Mechanical Ductwork Plan	M414.1A
53	Penthouse Level Zone 1B – Mechanical Ductwork Plan	M414.1B
54	Penthouse Level Zone 2A – Mechanical Ductwork Plan	M414.2A
55	Penthouse Level Zone 2B – Mechanical Ductwork Plan	M414.2B
56	Penthouse Level Zone 2C – Mechanical Ductwork Plan	M414.2C
57	Underfloor Zone 2B – Mechanical Piping Plan	M420.2B

1	First Level Zone 1A – Mechanical Piping Plan	M421.1A
2	First Level Zone 1B – Mechanical Piping Plan	M421.1B
3	First Level Zone 2A – Mechanical Piping Plan	M421.2A
4	First Level Zone 2B – Mechanical Piping Plan	M421.2B
5	First Level Zone 2C – Mechanical Piping Plan	M421.2C
6	Second Level Zone 1A – Mechanical Piping Plan	M422.1A
7	Second Level Zone 1B – Mechanical Piping Plan	M422.1B
8	Second Level Zone 2A – Mechanical Piping Plan	M422.2A
9	Second Level Zone 2B – Mechanical Piping Plan	M422.2B
10	Second Level Zone 2C – Mechanical Piping Plan	M422.2C
11	Third Level Zone 1A – Mechanical Piping Plan	M423.1A
12	Third Level Zone 1B – Mechanical Piping Plan	M423.1B
13	Third Level Zone 2A – Mechanical Piping Plan	M423.2A
14	Third Level Zone 2B – Mechanical Piping Plan	M423.2B
15	Third Level Zone 2C – Mechanical Piping Plan	M423.2C
16	Penthouse Level Zone 1A – Mechanical Piping Plan	M424.1A
17	Penthouse Level Zone 1B – Mechanical Piping Plan	M424.1B
18	Penthouse Level Zone 2A – Mechanical Piping Plan	M424.2A
19	Penthouse Level Zone 2B – Mechanical Piping Plan	M424.2B
20	Mechanical Sections	M500
21	Mechanical Sections	M501
22	Mechanical Sections	M502
23	Mechanical Sections	M503
24	Mechanical Sections	M504
25	Mechanical Sections	M505
26	Mechanical Sections	M506
27	Mechanical Sections	M507
28	Mechanical Sections	M508
29	First Level – Mechanical Space Pressurization & Airflows Plan	M510
30	Second Level – Mechanical Space Pressurization & Airflows Plan	M511
31	Third Level – Mechanical Space Pressurization & Airflows Plan	M512
32	Mechanical Details	M600
33	Mechanical Details	M601
34	Mechanical Details	M602
35	Mechanical Details	M603
36	Mechanical Details	M604
37	Mechanical Details	M605
38	Mechanical Details	M606
39	Mechanical Details	M607
40	Mechanical Details	M608
41	Mechanical Details	M609
42	Mechanical Details	M610
43	Mechanical Details	M611
44	Mechanical Flow Diagrams Symbols and Abbreviations	M700
45	BAS Control System Architecture (New Building)	M701
46	BAS Control System Architecture (Existing Chilled Water Plant)	M702
47	Steam and Steam Condensate Flow Diagram	M710
48	Heating and Hot Water Flow Diagrams	M711
49	Campus Chilled Water Flow Diagram	M712
50	Process Chilled Water Flow Diagram	M713
51	Heat Reclaim Water Flow Diagram	M714
52	AHU-1A & AHU-1B Flow Diagram	M720
53	AHU-1C & AHU-1D Flow Diagram	M721
54	Building Exhaust Flow Diagrams	M722
55	Return Fan Flow Diagram	M723
56	Miscellaneous HVAC Flow Diagrams	M724
57	Room HVAC Flow Diagrams	M730

1	Room HVAC Flow Diagrams	M731
2	Room HVAC Flow Diagrams	M732
3	Mechanical Schedules	M800
4	Mechanical Schedules	M801
5	Mechanical Schedules	M802
6	Mechanical Schedules	M803
7	Mechanical Schedules	M804
8	Mechanical Schedules	M805
9	Mechanical Schedules	M806
10	Mechanical Schedules	M807
11	Mechanical Schedules	M808
12	Mechanical Schedules	M809
13	Mechanical Schedules	M810
14	Mechanical Schedules	M811
15	Mechanical – Steam and Condensate Site Plan	M900
16		
17	<b><u>VOLUME 6</u></b>	
18	Title Sheet	T106
19		
20	<b>ELECTRICAL</b>	
21	Electrical Symbols and Abbreviations	E000
22	Electrical Site Power Plan	E100
23	Electrical Site Lighting Plan	E101
24	Electrical Campus Demolition Medium Voltage One-Line Diagram	E102
25	Electrical Campus New Medium Voltage One-Line Diagram	E103
26	Electrical Site Power Details	E104
27	Electrical Site Power Details	E105
28	First Level Zone 1 - Electrical Lighting Plan	E411.1
29	First Level Zone 2 - Electrical Lighting Plan	E411.2
30	Second Level Zone 1 - Electrical Lighting Plan	E412.1
31	Second Level Zone 2 - Electrical Lighting Plan	E412.2
32	Third Level Zone 1 - Electrical Lighting Plan	E413.1
33	Third Level Zone 2 - Electrical Lighting Plan	E413.2
34	Penthouse Zone 1 - Electrical Lighting Plan	E414.1
35	Penthouse Zone 2 - Electrical Lighting Plan	E414.2
36	First Level Zone 1 – Electrical Lighting Emergency Egress Calculation	ELC411.1
37	First Level Zone 2 – Electrical Lighting Emergency Egress Calculation	ELC411.2
38	Second Level Zone 1 – Electrical Lighting Emergency Egress Calculation	ELC412.1
39	Second Level Zone 2 – Electrical Lighting Emergency Egress Calculation	ELC412.2
40	Third Level Zone 1 – Electrical Lighting Emergency Egress Calculation	ELC413.1
41	Third Level Zone 2 – Electrical Lighting Emergency Egress Calculation	ELC413.2
42	Fourth Level Zone 1 – Electrical Lighting Emergency Egress Calculation	ELC414.1
43	Fourth Level Zone 2 – Electrical Lighting Emergency Egress Calculation	ELC414.2
44	Underground Overall – Electrical Grounding Plan	E420
45	First Level Zone 1 - Electrical Power Plan	E421.1
46	First Level Zone 2 - Electrical Power Plan	E421.2
47	Second Level Zone 1 - Electrical Power Plan	E422.1
48	Second Level Zone 2 - Electrical Power Plan	E422.2
49	Third Level Zone 1 - Electrical Power Plan	E423.1
50	Third Level Zone 2 - Electrical Power Plan	E423.2
51	Penthouse Zone 1 - Electrical Power Plan	E424.1
52	Penthouse Zone 2 - Electrical Power Plan	E424.2
53	First Level Zone 1 - Electrical Systems Plan	E431.1
54	First Level Zone 2 - Electrical Systems Plan	E431.2
55	Second Level Zone 1 - Electrical Systems Plan	E432.1
56	Second Level Zone 2 - Electrical Systems Plan	E432.2
57	Third Level Zone 1 - Electrical Systems Plan	E433.1

1	Third Level Zone 2 - Electrical Systems Plan	E433.2
2	Penthouse Zone 1 - Electrical Systems Plan	E434.1
3	Penthouse Zone 2 - Electrical Systems Plan	E434.2
4	Enlarged Plans – Electrical Rooms	E500
5	Enlarged Plans – Telecom Rooms	E501
6	Enlarged Plans – Lighting	E502
7	Enlarged Plans – Lighting	E503
8	Electrical Lighting Sections	E510
9	Electrical Details	E600
10	Electrical Details	E601
11	Electrical Details	E602
12	Electrical Details	E603
13	Electrical Details	E604
14	Electrical Details	E605
15	Electrical Details	E606
16	Electrical Normal Power Riser Diagram	E700
17	Electrical Emergency Standby Power Riser Diagram	E701
18	Electrical Grounding Riser Diagram	E702
19	Fire Alarm Riser Diagram	E703
20	Electrical Conduit and Wire Schedules	E800
21	Electrical Equipment Schedule	E801
22	Luminaire Schedule	E802
23	Luminaire Schedule	E803
24	Luminaire Control Schedules	E804
25	Fire Alarm Matrix	E805
26	Electrical Panel Schedules – Level 1	E820
27	Electrical Panel Schedules – Level 1	E821
28	Electrical Panel Schedules – Level 1	E822
29	Electrical Panel Schedules – Level 1	E823
30	Electrical Panel Schedules – Level 2	E824
31	Electrical Panel Schedules - Level 2	E825
32	Electrical Panel Schedules – Level 2	E826
33	Electrical Panel Schedules – Level 3	E827
34	Electrical Panel Schedules – Level 3	E828
35	Electrical Panel Schedules – Level 3	E829
36	Electrical Panel Schedules - Penthouse	E830
37	Electrical Panel Schedules - Penthouse	E831
38		
39	<b><u>VOLUME 7</u></b>	
40	Title Sheet	T107
41		
42	<b>AUDIOVISUAL</b>	
43	Audiovisual Cover Sheet	TA-100
44	Audiovisual Schedules	TA-101
45	First Level – Audiovisual Plan Zone 1	TA-411.1
46	First Level – Audiovisual Plan Zone 2	TA-411.2
47	Second Level – Audiovisual Plan Zone 1	TA-412.1
48	Second Level – Audiovisual Plan Zone 2	TA-412.2
49	Third Level – Audiovisual Plan Zone 1	TA-413.1
50	Third Level – Audiovisual Plan Zone 2	TA-413.2
51	First Level – Audiovisual Reflected Ceiling Plan Zone 1	TA-431.1
52	First Level – Audiovisual Reflected Ceiling Plan Zone 2	TA-431.2
53	Second Level – Audiovisual Reflected Ceiling Plan Zone 1	TA-432.1
54	Second Level – Audiovisual Reflected Ceiling Plan Zone 2	TA-432.2
55	Third Level – Audiovisual Reflected Ceiling Plan Zone 1	TA-433.1
56	Third Level – Audiovisual Reflected Ceiling Plan Zone 2	TA-433.2
57	First Level – Audiovisual Elevations Zone 1	TA441.11

1	First Level – Audiovisual Elevations Zone 1	TA441.12
2	First Level – Audiovisual Elevations Zone 2	TA441.21
3	First Level – Audiovisual Elevations Zone 2	TA441.22
4	Second Level – Audiovisual Elevations Zone 1	TA442.11
5	Second Level – Audiovisual Elevations Zone 1	TA442.12
6	Second Level – Audiovisual Elevations Zone 2	TA442.21
7	Second Level – Audiovisual Elevations Zone 2	TA442.22
8	Second Level – Audiovisual Elevations Zone 2	TA442.23
9	Third Level – Audiovisual Elevations Zone 1	TA443.11
10	Third Level – Audiovisual Elevations Zone 2	TA443.21
11	Third Level – Audiovisual Elevations Zone 2	TA443.22
12	Audiovisual Details	TA461
13	Audiovisual Details	TA462
14	Audiovisual Signal Flow Diagrams	TA470.1
15	Audiovisual Signal Flow Diagrams	TA471
16	Audiovisual Signal Flow Diagrams	TA472
17	Audiovisual Signal Flow Diagrams	TA473
18	Audiovisual Signal Flow Diagrams	TA474
19	Audiovisual Signal Flow Diagrams	TA475
20	Audiovisual Signal Flow Diagrams	TA476
21	Audiovisual Signal Flow Diagrams	TA477
22	Audiovisual Signal Flow Diagrams	TA478
23	Audiovisual Signal Flow Diagrams	TA479
24	Audiovisual Riser Diagrams	TA481
25	Audiovisual Diagrams	TA700
26	Audiovisual Diagrams	TA701
27	Audiovisual Diagrams	TA702
28	Audiovisual Diagrams	TA703
29	Audiovisual Diagrams	TA704
30	Audiovisual Diagrams	TA705
31	Audiovisual Diagrams	TA706
32	Audiovisual Diagrams	TA707
33	Audiovisual Diagrams	TA708
34	Audiovisual Diagrams	TA709
35		
36	TELECOM	
37	Telecom Cover Sheet	TT-100
38	First Level – Telecom Plan Zone 1	TT-411.1
39	First Level – Telecom Plan Zone 2	TT-411.2
40	Second Level – Telecom Plan Zone 1	TT-412.1
41	Second Level – Telecom Plan Zone 2	TT-412.2
42	Third Level – Telecom Plan Zone 1	TT-413.1
43	Third Level – Telecom Plan Zone 2	TT-413.2
44	Fourth Level – Telecom Plan Zone 1	TT-414.1
45	Fourth Level – Telecom Plan Zone 2	TT-414.2
46	First Level – Telecom Reflected Ceiling Plan Zone 1	TT-431.1
47	First Level – Telecom Reflected Ceiling Plan Zone 2	TT-431.2
48	Second Level – Telecom Reflected Ceiling Plan Zone 1	TT-432.1
49	Second Level – Telecom Reflected Ceiling Plan Zone 2	TT-432.2
50	Third Level – Telecom Reflected Ceiling Plan Zone 1	TT-433.1
51	Third Level – Telecom Reflected Ceiling Plan Zone 2	TT-433.2
52	Telecom Enlarged Plans	TT-440
53	Telecom Enlarged Plans	TT-441
54	Telecom Riser Diagram	TT-450
55	Telecom Details	TT-460
56	Telecom Details	TT-461
57	Telecom Details	TT-462



1	SECURITY	
2	Security Cover Sheet	TY-100
3	First Level – Security Plan Zone 1	TY-411.1
4	First Level – Security Plan Zone 2	TY-411.2
5	Second Level – Security Plan Zone 1	TY-412.1
6	Second Level – Security Plan Zone 2	TY-412.2
7	Third Level – Security Plan Zone 1	TY-413.1
8	Third Level – Security Plan Zone 2	TY-413.2
9	Fourth Level – Security Plan Zone 1	TY-414.1
10	Fourth Level – Security Plan Zone 2	TY-414.2
11	First Level – Security Reflected Ceiling Plan Zone 1	TY-431.1
12	First Level – Security Reflected Ceiling Plan Zone 2	TY-431.2
13	Security Enlarged Rooms	TY-440
14	Security Riser Plan	TY-441
15	Security Detail Pages	TY-451
16	Security Detail Pages	TY-452
17	Security Schedule Pages	TY-461
18	Security Schedule Pages	TY-462
19		
20		
21		
22	***	