

1	TABLE OF CONTENTS GPC BIDDERS (1/2023)	
2		
3	Division Project No. 19J4E-02	
4		
5	DIVISION 01 – GPC BIDDING AND CONTRACT REQUIREMENTS	Pages Thru
6	TITLE PAGE	1
7	TABLE OF CONTENTS	TC-29
8		
9	GPC BIDDING REQUIREMENTS	
10	GPC Invitation to Bid	A-2
11	GPC Instructions to Bidders	B-13
12	Bid Form – General Prime Contractor (GPC)	C-4
13	Sealed Bid Envelope Label	1
14	General Prime Contractor (GPC) Bid Bond Form (DOA-4190)	1
15	Designation of Confidential and Proprietary Information Form (DOA-3027)	1
16		
17	Form A - Affidavit of Compliance – MBE/DVB Provisions (DOA-4266)	2
18	Request for Submittal Approval (DOA-4523)	1
19	Request for Subcontractors Approval (DOA-4225)	1
20		
21	CONTRACT FORMS	
22	Performance Bond 100% Form (DOA-4188)	2
23	Payment Bond 100% Form (DOA-4187)	2
24	Contract Form (DOA-4504)	2
25		
26	CONDITIONS OF THE CONTRACT	
27	Index to the General Conditions	1
28	General Conditions of the General Prime Contractor Contract (DOA-4193P)	34
29	Supplementary General Conditions	SGC-1
30	Submittal Log	SL-27
31		
32	DIVISION 01	
33	General Requirements	GR-19
34	01 32 50 Building Information Modeling Requirements	01 32 50-3
35	01 33 00 Electronic Submittal Procedures	01 33 00-6
36	01 33 29.02 Sustainable Design Reporting	01 33 29.02-4
37	01 35 66.05 Project Sustainability Goal Credit Summary	01 35 66.05-1
38	01 35 66.06 Sustainability Scorecard	4
39	01 35 66.12 Sustainability Certification Project Procedures	01 35 66.12-4
40	01 61 16 Volatile Organic Compound (VOC) Content Restrictions	01 61 16-5
41	01 74 19 Construction Waste Management	01 74 19-4
42	01 91 02 Commissioning Process	01 91 02-4
43	01 91 15 Building Enclosure Commissioning Requirements	01 91 15-8
44	Appendix #1 - Job Sign	2
45		
46	<u>VOLUME 2</u>	
47		
48	DIVISION 02 – EXISTING CONDITIONS	
49	Section Title	
50	02 32 00 Geo Technical Investigation	02 32 00-1
51	Design Phase Geotechnical Exploration Report	44
52	Supplemental Geotechnical Exploration Report	24
53	02 41 13 Demolition	02 41 13-7
54	02 83 50 Temporary Chain Link Fencing and Gates	02 83 50-3
55		
56		

1	DIVISION 03 - CONCRETE		
2	Section	Title	
3	03 08 00	Commissioning of Concrete	03 08 00-6
4	03 10 00	Concrete Forming and Accessories	03 10 00-8
5	03 20 00	Concrete Reinforcing	03 20 00-5
6	03 30 00	Cast-In-Place Concrete	03 30 00-32
7	03 35 46	Concrete Topical Treatments	03 35 46-8
8	03 54 16	Hydraulic Cement Underlayment	03 54 16-5
9			
10	DIVISION 04 - MASONRY		
11	Section	Title	
12	04 08 00	Commissioning of Masonry	04 08 00-9
13	04 20 00	Unit Masonry	04 20 00-15
14	04 72 00	Cast Stone Masonry	04 72 00-5
15			
16	DIVISION 05 - METALS		
17	Section	Title	
18	05 12 00	Structural Steel Framing	05 12 00-8
19	05 31 00	Steel Decking	05 31 00-4
20	05 40 00	Cold-Formed Steel Framing	05 40 00-6
21	05 50 00	Metal Fabrications	05 50 00-5
22	05 51 00	Metal Stairs	05 51 00-6
23	05 51 33	Metal Ladders	05 51 33-3
24	05 53 20	Trench and Access Covers	05 53 20-3
25	05 58 13	Column Covers	05 58 13-4
26	05 70 00	Decorative Metal	05 70 00-10
27	05 71 00	Decorative Metal Stairs	05 71 00-7
28			
29	DIVISION 06 – WOOD, PLASTICS AND COMPOSITES		
30	Section	Title	
31	06 10 53	Miscellaneous Rough Carpentry	06 10 53-6
32	06 10 53.01	Miscellaneous Rough Carpentry – Roofing	06 10 53.01-2
33	06 16 43	Gypsum Sheathing	06 16 43-3
34	06 40 00	Architectural Woodwork	06 40 00-22
35	06 42 16	Flush Wood Paneling	06 42 16-6
36			
37	DIVISION 07 - THERMAL AND MOISTURE PROTECTION		
38	Section	Title	
39	07 08 00	Commissioning of Thermal and Moisture Protection	07 08 00-23
40	07 10 16	Waterproofing for Utilities	07 10 16-2
41	07 13 00	Sheet Waterproofing	07 13 00-4
42	07 21 00	Thermal Insulation	07 21 00-6
43	07 21 19	Foamed-In-Place Insulation	07 21 19-2
44	07 26 00	Vapor Retarders	07 26 00-2
45	07 27 00	Air Barriers	07 27 00-4
46	07 42 13	Metal Wall Panels	07 42 13-4
47	07 42 13.16	Metal Plate Wall Panels	07 42 13.16-5
48	07 53 23	Ethylene-Propylene-Diene-Monomer Roofing	07 53 23 -16
49		State of Wisconsin 5 Year Roofing Guarantee	2
50	07 55 56	Fluid-Applied Protected Membrane Roofing	07 55 56-10
51		State of Wisconsin 5 Year Roofing Guarantee	2
52	07 61 13	Standing Seam Sheet Metal Roofing	07 61 13-14
53		State of Wisconsin 5 Year Roofing Guarantee	2
54	07 62 00	Sheet Metal Flashing and Trim	07 62 00-3
55	07 63 00	Sheet Metal Roofing Specialties	07 63 00-7
56		State of Wisconsin Metal Roofing/Wall Panel Guarantee	2
57	07 65 00	Flexible Flashing	07 65 00-3

1	07 72 00	Roof Accessories	07 72 00-4
2	07 81 00	Applied Fire Protection	07 81 00-4
3	07 81 23	Intumescent Fire Protection	07 81 23-4
4	07 84 00	Fire Stopping	07 84 00-9
5	07 91 00	Preformed Joint Seals	07 91 00-4
6	07 91 00.13	Preformed Exterior Joint Seals	07 91 00.13-2
7	07 92 00	Joint Sealants	07 92 00-7

8

9 **VOLUME 3**

10

11 **DIVISION 08 - OPENINGS**

12	Section	Title	
13	08 08 00	Commissioning of Exterior Building Envelope	08 08 00-6
14	08 11 13	Hollow Metal Doors and Frames	08 11 13-9
15	08 12 16	Aluminum Frames	08 12 16-6
16	08 14 16	Flush Wood Doors	08 14 16-7
17	08 14 73.20	Wood Sliding Barn Door Assemblies	08 14 73.20-6
18	08 17 00	Integrated Door Opening Assemblies	08 17 00-6
19	08 31 13	Access Doors and Frames	08 31 13-5
20	08 32 13	Sliding Aluminum Framed Glass Barn Door Assemblies	08 32 13-6
21	08 32 14	Sliding Aluminum Framed Glass Doors	08 32 14-5
22	08 33 13	Interior Coiling Counter Doors	08 33 13-8
23	08 33 23	Overhead Coiling Doors	08 33 23-4
24	08 34 84	Fire Rated Elevator Smoke Containment System	08 34 84-5
25	08 41 11	Fire Rated Glazed Entrances and Partitions	08 41 11-9
26	08 41 28	Interior All-Glass Doors and Partitions	08 41 28-9
27	08 42 43	Intensive Care Unit-Critical Care Unit (ICU-CCU) Entrances	08 42 43-7
28	08 43 13	Aluminum-Framed Storefronts	08 43 13-6
29	08 44 13	Glazed Aluminum Curtain Walls	08 44 13-8
30	08 71 00	Door Hardware	08 71 00-46
31	08 80 00	Glazing	08 80 00-7
32	08 81 13	Interior Glazing	08 81 13-16
33	08 83 00	Mirrors	08 83 00-6
34	08 88 13	Fire-Resistant Glazing	08 88 13-8
35	08 91 00	Louvers	08 91 00-3

36

37 **DIVISION 09 – FINISHES**

38	Section	Title	
39	09 05 61	Moisture Vapor Emission Control	09 05 61-8
40	09 21 00	Gypsum Board Assemblies	09 21 00-28
41	09 21 16.23	Gypsum Board Shaft Wall Assemblies	09 21 16.23-4
42	09 30 00	Tiling	09 30 00-10
43	09 51 00	Acoustical Panel Ceilings	09 51 00-12
44	09 65 00	Resilient Flooring and Accessories	09 65 00-11
45	09 65 36	Static-Control Resilient Flooring	09 65 36-6
46	09 66 23	Resinous Matrix Terrazzo Flooring	09 66 23-8
47	09 67 23	Resinous Flooring	09 67 23-9
48	09 68 10	Carpeting	09 68 10-8
49	09 72 00	Wall Coverings	09 72 00-5
50	09 84 33	Sound-Absorbing Wall Units	09 84 33-5
51	09 84 36	Sound-Absorbing Ceiling Units	09 84 36-6
52	09 84 50	Mullion Trim Caps	09 84 50-5
53	09 91 06	Floor Sealer	09 91 06-2
54	09 91 13	Exterior Painting	09 91 13-4
55	09 91 23	Interior Painting	09 91 23-14
56	09 96 00	High-Performance Coatings	09 96 00-4

57

1	DIVISION 10 – SPECIALTIES		
2	Section	Title	
3	10 11 00	Visual Display Units	10 11 00-4
4	10 11 46	Visual Display Fabrics	10 11 46-3
5	10 12 00	Display Cases	10 12 00-4
6	10 14 16	Building Dedication Plaque	10 14 16-3
7	10 14 43	Photoluminescent Signage	10 14 43-3
8	10 21 13	Toilet Compartments	10 21 13-4
9	10 21 23	Cubicle Curtains and Track	10 21 23-4
10	10 22 13	Wire Mesh Partitions	10 22 13-10
11	10 22 39	Folding Panel Partitions	10 22 39-6
12	10 22 39.13	Folding Glass-Panel Partitions	10 22 39.13-5
13	10 26 00	Wall and Door Protection	10 26 00-6
14	10 28 00	Toilet, Bath, and Laundry Accessories	10 28 00-5
15	10 44 13	Fire Protection Cabinets	10 44 13-4
16	10 44 16	Fire Extinguishers	10 44 16-3
17	10 51 20	Phenolic Lockers	10 51 20-6
18	10 56 13	Metal Storage Shelving	10 56 13-4
19	10 56 26	Mobile Storage Shelving	10 56 26-9
20			
21	<u>VOLUME 4</u>		
22			
23	DIVISION 11 - EQUIPMENT		
24	Section	Title	
25	11 08 00	Commissioning of Equipment	11 08 00-6
26	11 13 13	Loading Dock Bumpers	11 13 13-1
27	11 53 00	Laboratory Equipment	11 53 00-14
28	11 53 01	Laboratory Equipment Wall Panels	11 53 01-5
29	11 53 13	High Performance Laboratory Fume Hoods	11 53 13-30
30	11 53 19	Laboratory Sterilizer	11 53 19-10
31	11 53 20	Laboratory and Vivarium Washers	11 53 20-16
32	11 53 33	Laser Safety Equipment	11 53 33-5
33	11 53 43	Laboratory Service Fittings and Fixtures	11 53 43-26
34	11 53 53	Biological Safety Cabinets and Laminar Flow Benches	11 53 53-12
35	11 55 00	Nanoseam Planetarium Projection Dome and Cove Trough	11 55 00-6
36	11 55 13	Planetarium Projectors	11 55 13-11
37	11 55 19	Planetarium Cove Lighting	11 55 19-3
38	11 55 21	Planetarium Sound System	11 55 21-3
39	11 73 00	Patient Care Equipment	11 73 00-11
40	11 89 13	Davit Cranes	11 89 13-3
41			
42	DIVISION 12 - FURNISHINGS		
43	Section	Title	
44	12 22 00	Curtains and Drapes	12 22 00-5
45	12 22 16	Laser Curtain and Track	12 22 16-5
46	12 24 13	Roller Window Shades	12 24 13-8
47	12 35 53	Laboratory Casework and Other Furnishings	12 35 53-50
48	12 36 61.16	Solid Surfacing Countertops	12 36 61.16-4
49	12 48 13	Entrance Floor Mats and Frames	12 48 13-2
50	12 61 00	Fixed Audience Seating	12 61 00-6
51			
52	DIVISION 13 - SPECIAL CONSTRUCTION		
53	Section	Title	
54	13 08 00	Commissioning of Special Exterior Construction	13 08 00-2
55	13 21 14	Controlled Environmental Rooms	13 21 14-19
56	13 21 15	Controlled Environmental Growth Rooms	13 21 15-17
57			

1	13 34 13.13	Greenhouses	13 34 13.13-15
2	13 34 56	Observatories	13 34 56-1
3			
4	DIVISION 14 - CONVEYING SYSTEMS		
5	Section	Title	
6	14 08 00	Commissioning of Conveying Systems	14 08 00-3
7	14 21 20	Traction Elevators	14 21 20-19
8			
9	DIVISION 21 – FIRE SUPPRESSION		
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 Suppression Piping and Equipment	21 05 29-5
13	21 08 00	Commissioning of Fire Suppression	21 08 00-12
14	21 10 00	Water-Based Fire Suppression Systems	21 10 00-10
15	21 22 00	Inergen Clean Agent Suppression System	21 22 00-13
16	21 30 00	Fire Pumps	21 30 00-5
17			
18	<u>VOLUME 5</u>		
19			
20	DIVISION 22 – PLUMBING		
21	Section	Title	
22	22 05 00	Common Work Results for Plumbing	22 05 00-10
23	22 05 13	Common Motor Requirements for Plumbing Equipment	22 05 13-4
24	22 05 14	Plumbing Specialties	22 05 14-7
25	22 05 15	Piping Specialties	22 05 15-3
26	22 05 23	General Duty Valves for Plumbing Piping	22 05 23-6
27	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29-6
28	22 07 00	Plumbing Insulation	22 07 00-8
29	22 08 00	Commissioning of Plumbing	22 08 00-123
30	22 10 13	Facility Fuel Piping	22 10 13-6
31	22 11 00	Facility Water Distribution	22 11 00-10
32	22 13 00	Facility Sanitary Sewerage	22 13 00-8
33	22 14 00	Facility Storm Drainage	22 14 00-8
34	22 15 13	General Service Compressed-Air Piping	22 15 13-6
35	22 30 00	Plumbing Equipment	22 30 00-8
36	22 42 00	Commercial Plumbing Fixtures	22 42 00-6
37	22 60 00	Gas and Vacuum Systems for Laboratory and Healthcare Facilities	22 60 00-13
38	22 67 00	Processed Water Systems for Laboratory and Healthcare Facilities	22 67 00-15
39			
40	DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING		
41	Section	Title	
42	23 05 00	Common Work Results for HVAC	23 05 00-8
43	23 05 13	Common Motor Requirements for HVAC Equipment	23 05 13-4
44	23 05 14	Variable Frequency Drives	23 05 14-6
45	23 05 15	Piping Specialties	23 05 15-9
46	23 05 23	General Duty Valves for HVAC	23 05 23-11
47	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29-7
48	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	23 05 48-6
49	23 05 93	Testing, Adjusting and Balancing for HVAC	23 05 93-6
50	23 07 00	HVAC Insulation	23 07 00-13
51	23 08 00	Commissioning of HVAC	23 08 00-187
52			
53	<u>VOLUME 6</u>		
54			
55	23 09 14	Pneumatic and Electric Instrumentation and Control Devices for HVAC	23 09 14-28
56	23 09 15	DDC Input/Output Summary Table	23 09 15-73
57	23 09 16	Variable Volume Fume Hood Control System	23 09 16-10

1	23 09 17	Air Quality Monitoring System	23 09 17-9
2	23 09 23	Direct Digital Control System for HVAC	23 09 23-15
3	23 09 93	Sequence of Operation for HVAC Controls	23 09 93-95
4	23 21 13	Hydronic Piping	23 21 13-12
5	23 21 23	Hydronic Pumps	23 21 23-4
6	23 22 13	Steam and Condensate Heating Piping	23 22 13-9
7	23 22 13.13	Underground Steam and Condensate Heating Piping	23 22 13.13-6
8	23 22 23	Steam Condensate Pumps	23 22 23-3
9	23 25 00	HVAC Water Treatment	23 25 00-6
10	23 31 00	HVAC Ducts and Casings	23 31 00-12
11	23 31 01	Plenum Housings	23 31 01-3
12	23 33 00	Air Duct Accessories	23 33 00-7
13	23 34 00	HVAC Fans	23 34 00-5
14	23 35 00	Shop Exhaust Systems	23 35 00-4
15	23 36 00	Air Terminal Units	23 36 00-6
16	23 37 13	Diffusers, Registers and Grilles	23 37 13-3
17	23 41 00	Particulate Air Filtration	23 41 00-3
18	23 57 00	Heat Exchangers for HVAC	23 57 00-2
19	23 64 15	Modular Water Cooled Chillers	23 64 15-7
20	23 65 05	Drycoolers	23 65 05-3
21	23 72 00	Air-to-Air Energy Recovery Equipment	23 72 00-3
22	23 73 12	Air Handling Unit Coils	23 73 12-4
23	23 73 13	Modular Indoor Central-Station Air-Handling Units	23 73 13-7
24	23 73 23	Factory Fabricated Custom Air Handling Units	23 73 23-9
25	23 73 24	Factory Fabricated Custom Laboratory Exhaust Energy Recovery Units	23 73 24-8
26	23 82 00	Heating and Cooling Terminal Units	23 82 00-4
27	23 84 13	Humidifiers	23 84 13-2

28

29 **VOLUME 7**

30

31 **DIVISION 26 – ELECTRICAL**

32	Section	Title	
33	26 05 00	Common Work Results for Electrical	26 05 00- 8
34	26 05 04	Cleaning, Inspection and Testing Electrical Equipment	26 05 04-5
35	26 05 13	Medium-Voltage Cables	26 05 13-6
36	26 05 19	Low-Voltage Electrical Power Conductors and Cables	26 05 19-6
37	26 05 23	Control-Voltage Electrical Power Cables	26 05 23-3
38	26 05 26	Grounding and Bonding for Electrical Systems	26 05 26-6
39	26 05 29	Hangers and Supports for Electrical Systems	26 05 29-4
40	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33-12
41	26 05 36	Cable Trays for Electrical Systems	26 05 36-5
42	26 05 43	Underground Ducts and Raceways for Electrical Systems	26 05 43-4
43	26 05 44	Manholes	26 05 44-5
44	26 05 53	Identification for Electrical Systems	26 05 53-4
45	26 05 73	Short Circuit Coordination Study & Arc Flash Risk Assessment	26 05 73-6
46	26 08 00	Commissioning of Electrical	26 08 00-97
47	26 09 19	Enclosed Contactors	26 09 19-2
48	26 09 28	Lighting Control Panels	26 09 28-8
49	26 09 43	Distributed Digital Lighting Controls	26 09 43-14
50	26 12 16	Medium-Voltage Transformers, Dry-Type, (Indoor)	26 12 16-4
51	26 13 16	Medium-Voltage Fusible Interrupter Switchgear	26 13 16-6
52	26 18 23	Medium-Voltage Surge Arresters	26 18 23-2
53	26 22 00	Low-Voltage Transformers	26 22 00-3
54	26 24 13	Switchboards	26 24 13-5
55	26 24 16	Panelboards	26 24 16-5
56	26 27 02	Equipment Wiring Systems	26 27 02-5
57	26 27 13	Electricity Metering	26 27 13-6

1	26 27 26	Wiring Devices	26 27 26-7
2	26 27 28	Disconnect Switches	26 27 28-2
3	26 27 29	Elevator Distribution Equipment	26 27 29-3
4	26 28 13	Fuses	26 28 13-1
5	26 28 16	Enclosed Switches and Circuit Breakers	26 28 16-3
6	26 29 00	Low-Voltage Controllers	26 29 00-4
7	26 31 10	Photovoltaic Electric Generating System	26 31 10-4
8	26 32 13.13	Engine-Driven Generator Sets - Diesel	26 32 13.13-11
9	26 33 53	Static Uninterruptible Power Supply with Batter Energy Storage	26 33 53-14
10	26 36 00	Transfer Switches	26 36 00-6
11	26 41 13.13	Lightning Protection for Buildings	26 41 13.13-3
12	26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits	26 43 13-3
13	26 51 13	Interior Lighting Fixtures, Lamps, and Ballasts	26 51 13-7
14	26 56 29	Site Lighting	26 56 29-6
15			
16		DIVISION 27 – COMMUNICATIONS	
17	Section	Title	
18	27 05 33.41	Raceway and Boxes for Audio-Video Systems	27 05 33.41-4
19	27 05 53	Identification for Communications Systems	27 05 53-8
20	27 08 00	Commissioning of Communications	27 08 00-19
21	27 10 00	Structured Cabling	27 10 00-29
22	27 11 00	Communications Equipment Room Fittings	27 11 00-6
23	27 11 13	Communications Protection	27 11 13-4
24	27 16 19	Communications Ptch Cords, Work Area Cords, and Cross-Connect Wire	27 16 19-3
25	27 41 00	Audio Visual Systems	27 41 00-23
26	27 51 29	Two-Way Emergency Communication Systems	27 51 29-8
27			
28		DIVISION 28 – ELECTRONIC SAFETY AND SECURITY	
29	Section	Title	
30	28 05 37	Emergency Responder Radio Coverage System	28 05 37-11
31	28 08 00	Commissioning of Electronic Safety and Security	28 08 00-17
32	28 10 00	Access Control System	28 10 00-9
33	28 23 00	Video Surveillance System	28 23 00-7
34	28 31 00	Fire Detection and Alarm	28 31 00-38
35	28 31 46.13	Air Sampling Smoke Detection System (Planetarium)	28 31 46.13-8
36	28 31 46.16	Air Sampling Smoke Detection System (High Performance Computer Room)	28 31 46.16-10
37			
38		<u>VOLUME 8</u>	
39			
40		DIVISION 30 – COMMON WORK RESULTS FOR ALL EXTERIOR WORK	
41	Section	Title	
42	30 05 00	Common Work Results for Exterior Work	30 05 00-5
43			
44		DIVISION 31 - EARTHWORK	
45	Section	Title	
46	31 10 00	Site Clearing	31 10 00-2
47	31 13 16	Selective Tree and Shrub Protection, Pruning and Removals	31 13 16-10
48	31 20 00	Earthmoving	31 20 00-6
49	31 22 16.15	Pavement Subgrade Preparation	31 22 16.15-4
50	31 23 16.13	Trenching	31 23 16.13-9
51	31 23 19	Dewatering	31 23 19-3
52	31 25 00	Erosion Control	31 25 00-5
53	31 62 16	Steel Pipe Piles	31 62 16-21
54			
55		DIVISION 32 – EXTERIOR IMPROVEMENTS	
56	Section	Title	
57	32 11 22	Granular Subbase	32 11 22-3

1	32 11 23.33	Dense Graded Base	32 11 23.33-3
2	32 12 16.13	Plant Mix Asphalt Paving	32 12 16.13-3
3	32 13 13	Concrete Paving	32 13 13-4
4	32 14 40	Unit Paving	32 14 40-8
5	32 17 23	Pavement Markings	32 17 23-2
6	32 31 13	Chain Link Fencing and Gates	32 31 13-6
7	32 31 20	Exterior Handrails and Guardrails	32 31 20-7
8	32 32 20	Boulder Retaining Walls	32 32 20-4
9	32 36 00	Exterior Site Furnishings	32 36 00-5
10	32 84 00	Irrigation	32 84 00-25
11	32 91 13	Soil Preparation	32 91 13-5
12	32 91 13.50	Stormwater Bioinfiltration	32 91 13.50-5
13	32 92 00	Plants	32 92 00-14
14	32 92 19	Seeding	32 92 19-7
15			
16	DIVISION 33 – UTILITIES		
17	Section	Title	
18	33 07 00	Site Utility Board Insulation	33 07 00-2
19	33 08 00	Commissioning of Utilities	33 08 00-52
20	33 11 00	Water Distribution Utilities	33 11 00-12
21	33 30 00	Sanitary Sewerage Utilities	33 30 00-8
22	33 40 00	Storm Drainage Utilities	33 40 00-9
23	33 61 13	Chilled Water Utilities	33 61 13-16
24	33 65 00	Thermal Utilities	33 65 00-2
25			
26			
27	DRAWINGS – Bound Separately		
28	Title		Sheets Thru
29	VOLUME 1		
30	COVER DRAWING - VOLUME 1		T011
31	DRAWING INDEX - VOLUME 1		T012
32	DRAWING INDEX - VOLUME 1		T013
33			
34	CIVIL / SITE		
35	STAGING, SIGNAGE - BUILDING SITE		C010
36	STAGING, SIGNAGE - SOUTH		C011
37	SEQUENCING - BUILDING SITE		C020
38	STAGING AREA DEMOLITION AND RESTORATION - BUILDING SITE		C030
39	STAGING AREA DEMOLITION AND RESTORATION - SOUTH		C031
40	EXISTING SITE PLAN - BUILDING SITE		C100
41	EXISTING SITE PLAN - SOUTH		C101
42	DEMOLITION PLAN - UTILITIES		C200
43	DEMOLITION PLAN - SITE		C210
44	DEMOLITION PLAN-IRRIGATION		C220
45	MATERIALS PLAN		C300
46	LAYOUT PLAN		C301
47	GRADING PLAN		C400
48	GRADING PLAN - ENLARGEMENTS		C401
49	EROSION CONTROL PLAN - BUILDING SITE		C410
50	EROSION CONTROL PLAN - SOUTH		C411
51	UTILITY PLAN		C500
52	UTILITY PROFILE - STEAM		C510
53	UTILITY PROFILE - PRIMARY FEEDER		C511
54	UTILITY PROFILE - EMERGENCY FEEDER		C512
55	UTILITY PROFILE - SIGNAL AND SANITARY		C513
56	UTILITY PROFILE - CHILLED WATER		C514
57	UTILITY PROFILE - WATER MAIN		C515

1	UTILITY PROFILE - STORM	C516
2	UTILITY PROFILE - STORM	C517
3	STEAM PITS - PATCHING AND WATERPROOFING	C520
4	PLANTING PLAN - OVERALL	C600
5	PLANTING PLAN ENLARGEMENT- ZONE 1	C601
6	PLANTING PLAN ENLARGEMENT- ZONE 2	C602
7	PLANTING PLAN ENLARGEMENT- ZONE 3	C603
8	PLANTING PLAN ENLARGEMENT -ZONE 4	C604
9	PLANT SCHEDULE - OVERALL	C605
10	IRRIGATION NOTES, LEGENDS & PLAN	C700
11	IRRIGATION TWO-WIRE LAYOUT	C701
12	CIVIL DETAILS	C900
13	CIVIL DETAILS	C901
14	CIVIL DETAILS	C902
15	LANDSCAPE DETAILS	C910
16	LANDSCAPE DETAILS	C911
17	LANDSCAPE DETAILS	C912
18	LANDSCAPE DETAILS	C913
19	LANDSCAPE DETAILS	C914
20	LANDSCAPE DETAILS	C915
21	LANDSCAPE DETAILS	C916
22	LANDSCAPE DETAILS	C917
23	LANDSCAPE DETAILS	C918
24	IRRIGATION DETAILS	C920
25	IRRIGATION DETAILS	C921
26		
27	STRUCTURAL	
28	STRUCTURAL NOTES	S001
29	SCHEDULES	S002
30	BEAM SCHEDULE	S003
31	JOIST SCHEDULE	S004
32	COLUMN SCHEDULE	S005
33	PILECAP DETAILS	S006
34	FOUNDATION PLAN OVERALL	S101
35	FOUNDATION PLAN - AREA A	S101A
36	FOUNDATION PLAN - AREA B	S101B
37	FOUNDATION PLAN - AREA C	S101C
38	SECOND FLOOR FRAMING - OVERALL	S102
39	SECOND FLOOR FRAMING PLAN - AREA A	S102A
40	SECOND FLOOR FRAMING PLAN - AREA B	S102B
41	SECOND FLOOR FRAMING PLAN - AREA C	S102C
42	THIRD FLOOR FRAMING - OVERALL	S103
43	THIRD FLOOR FRAMING PLAN - AREA A	S103A
44	THIRD FLOOR FRAMING PLAN - AREA B	S103B
45	THIRD FLOOR FRAMING PLAN - AREA C	S103C
46	FOURTH FLOOR FRAMING PLAN - OVERALL	S104
47	FOURTH FLOOR FRAMING PLAN - AREA A	S104A
48	FOURTH FLOOR FRAMING PLAN - AREA B	S104B
49	FOURTH FLOOR FRAMING PLAN - AREA C	S104C
50	FIFTH FLOOR FRAMING PLAN - OVERALL	S105
51	FIFTH FLOOR FRAMING PLAN - AREA A	S105A
52	FIFTH FLOOR FRAMING PLAN - AREA B	S105B
53	FIFTH FLOOR FRAMING PLAN - AREA C	S105C
54	SIXTH FLOOR FRAMING PLAN - OVERALL	S106
55	SIXTH FLOOR FRAMING PLAN - AREA A	S106A
56	SIXTH FLOOR FRAMING PLAN - AREA B	S106B
57	SIXTH FLOOR FRAMING PLAN - AREA C	S106C

1	ROOF FRAMING PLAN - OVERALL	S107
2	ROOF FRAMING PLAN - AREA A	S107A
3	ROOF FRAMING PLAN - AREA B	S107B
4	ROOF FRAMING PLAN - AREA C	S107C
5	BUILDING ELEVATIONS	S201
6	BUILDING ELEVATIONS	S202
7	SHEAR WALL ELEVATIONS	S400
8	SHEAR WALL ELEVATIONS	S401
9	SHEAR WALL ELEVATIONS	S402
10	SHEAR WALL ELEVATIONS	S403
11	SHEAR WALL ELEVATIONS	S404
12	SHEAR WALL ELEVATIONS	S405
13	STAIR A - ENLARGED PLANS	S406
14	STAIR A - SECTIONS	S407
15	ELEVATIONS	S500
16	ELEVATIONS	S501
17	FOUNDATION DETAILS	S800
18	FOUNDATION DETAILS	S801
19	FRAMING DETAILS	S810
20	FRAMING DETAILS	S811
21	FRAMING DETAILS	S820
22	FRAMING DETAILS	S821
23	FRAMING DETAILS	S822
24		
25		
26	VOLUME 2	
27	COVER DRAWING - VOLUME 2	T021
28	DRAWING INDEX - VOLUME 2	T022
29	DRAWING INDEX - VOLUME 2	T023
30		
31	ARCHITECTURAL	
32	ABBREVIATIONS, SYMBOLS AND NOTES	A001
33	MOUNTING HEIGHTS AND ACCESSIBILITY CLEARANCE STANDARDS	A002
34	FIRST FLOOR CODE PLAN	A003
35	SECOND FLOOR CODE PLAN	A004
36	THIRD FLOOR CODE PLAN	A005
37	FOURTH FLOOR CODE PLAN	A006
38	FIFTH FLOOR CODE PLAN	A007
39	SIXTH FLOOR CODE PLAN	A008
40	ROOF CODE PLAN	A009
41	SITE CODE PLAN	A010
42	FIRST FLOOR PLAN - OVERALL	A101
43	FIRST FLOOR PLAN - AREA A	A101A
44	FIRST FLOOR PLAN - AREA B	A101B
45	FIRST FLOOR PLAN - AREA C	A101C
46	SECOND FLOOR PLAN - OVERALL	A102
47	SECOND FLOOR PLAN - AREA A	A102A
48	SECOND FLOOR PLAN - AREA B	A102B
49	SECOND FLOOR PLAN - AREA C	A102C
50	THIRD FLOOR PLAN - OVERALL	A103
51	THIRD FLOOR PLAN - AREA A	A103A
52	THIRD FLOOR PLAN - AREA B	A103B
53	THIRD FLOOR PLAN - AREA C	A103C
54	FOURTH FLOOR PLAN - OVERALL	A104
55	FOURTH FLOOR PLAN - AREA A	A104A
56	FOURTH FLOOR PLAN - AREA B	A104B
57	FOURTH FLOOR PLAN - AREA C	A104C

1	FIFTH FLOOR PLAN - OVERALL	A105
2	FIFTH FLOOR PLAN - AREA A	A105A
3	FIFTH FLOOR PLAN - AREA B	A105B
4	FIFTH FLOOR PLAN - AREA C	A105C
5	SIXTH FLOOR PLAN - OVERALL	A106
6	ROOF PLAN - OVERALL	A107
7	ROOF DRAIN PLAN - OVERALL	A108
8	FIRST FLOOR REFLECTED CEILING PLAN	A111
9	FIRST FLOOR REFLECTED CEILING PLAN - AREA A	A111A
10	FIRST FLOOR REFLECTED CEILING PLAN - AREA B	A111B
11	FIRST FLOOR REFLECTED CEILING PLAN - AREA C	A111C
12	SECOND FLOOR REFLECTED CEILING PLAN	A112
13	SECOND FLOOR REFLECTED CEILING PLAN - AREA A	A112A
14	SECOND FLOOR REFLECTED CEILING PLAN - AREA B	A112B
15	SECOND FLOOR REFLECTED CEILING PLAN - AREA C	A112C
16	THIRD FLOOR REFLECTED CEILING PLAN	A113
17	THIRD FLOOR REFLECTED CEILING PLAN - AREA A	A113A
18	THIRD FLOOR REFLECTED CEILING PLAN - AREA B	A113B
19	THIRD FLOOR REFLECTED CEILING PLAN - AREA C	A113C
20	FOURTH FLOOR REFLECTED CEILING PLAN	A114
21	FOURTH FLOOR REFLECTED CEILING PLAN - AREA A	A114A
22	FOURTH FLOOR REFLECTED CEILING PLAN - AREA B	A114B
23	FOURTH FLOOR REFLECTED CEILING PLAN - AREA C	A114C
24	FIFTH FLOOR REFLECTED CEILING PLAN	A115
25	FIFTH FLOOR REFLECTED CEILING PLAN - AREA A	A115A
26	FIFTH FLOOR REFLECTED CEILING PLAN - AREA B	A115B
27	FIFTH FLOOR REFLECTED CEILING PLAN - AREA C	A115C
28	SIXTH FLOOR REFLECTED CEILING PLAN - AREA B	A116B
29	BUILDING ELEVATIONS	A201
30	BUILDING ELEVATIONS	A202
31	BUILDING ELEVATIONS	A203
32	BUILDING ELEVATIONS	A204
33	PENTHOUSE ELEVATIONS	A205
34	PENTHOUSE ELEVATIONS	A206
35	ENLARGED BUILDING ELEVATIONS	A211
36	ENLARGED BUILDING ELEVATIONS	A212
37	ENLARGED BUILDING ELEVATIONS	A213
38	ENLARGED BUILDING ELEVATIONS	A214
39	ENLARGED BUILDING ELEVATIONS	A215
40	BUILDING SECTIONS	A301
41	BUILDING SECTIONS	A302
42	EXTERIOR ASSEMBLIES	A310
43	WALL SECTIONS	A311
44	WALL SECTIONS	A312
45	WALL SECTIONS	A313
46	WALL SECTIONS	A314
47	WALL SECTIONS	A315
48	STAIR A PLANS AND DETAILS	A401
49	STAIR A SECTIONS	A402
50	STAIR B PLANS AND SECTIONS	A403
51	STAIR C PLANS AND SECTIONS	A404
52	STAIR D PLANS AND SECTIONS	A405
53	STAIR PLANS AND SECTIONS	A406
54	STAIR PLANS AND SECTIONS	A407
55	ELEVATOR 1 & 2 PLAN AND SECTIONS	A408
56	ELEVATOR 3 & 4 PLAN AND SECTIONS	A409
57	NORTH LAB BLOCK DUCT SHAFT PLANS	A410

1	SOUTH LAB BLOCK DUCT SHAFT PLANS	A411
2	OFFICE AHU DUCT SHAFT PLANS	A412
3	STAIR AND RAILING DETAILS	A421
4	STAIR AND RAILING DETAILS	A422
5	STAIR AND RAILING DETAILS	A423
6	STAIR AND RAILING DETAILS	A424
7	ENLARGED PLANS	A431
8	ENLARGED PLANS	A432
9	ENLARGED PLANS	A433
10	ENLARGED PLANS	A434
11	ENLARGED TOILET ROOM PLANS AND ELEVATIONS	A451
12	ENLARGED TOILET ROOM PLANS AND ELEVATIONS	A452
13	ENLARGED TOILET ROOM PLANS AND ELEVATIONS	A453
14	ENLARGED TOILET ROOM PLANS AND ELEVATIONS	A454
15	ENLARGED GENDER INCLUSIVE & MOTHER'S/WELLNESS PLANS AND ELEVATIONS	A455
16	ENLARGED LAB ENTRY ALCOVE, PLAN AND ELEVATIONS	A456
17	ENLARGED UTILITY TRENCH LAYOUTS	A457
18	ENLARGED PLANETARIUM PLANS AND ELEVATIONS	A461
19	ENLARGED PLANETARIUM PLANS AND ELEVATIONS	A462
20	ENLARGED BIRD MUSEUM PLANS AND ELEVATIONS	A463
21	ENLARGED PUBLIC ELEVATOR PLANS AND ELEVATIONS	A464
22	ENLARGED PUBLIC ELEVATOR PLANS AND ELEVATIONS	A465
23	ENLARGED CLINIC, PREFUNCTION AND LAB ALCOVE ACCESS PANEL CEILING PLANS	A466
24	ENLARGED LOBBY DISPLAY CASES PLAN AND ELEVATIONS	A467
25	ENLARGED STAIR B, C, D, ENTRY PLANS	A468
26	ENLARGED STUDENT SPACE PLANS AND ELEVATIONS	A469
27	ENLARGED JANITOR SUPPLY ROOM AND HPE DATA CENTER PLANS, ELEVATIONS &	
28	DETAILS	A470
29	ENLARGED GREENHOUSE PLAN	A471
30	ENLARGED GREENHOUSE DRAINAGE PLAN	A472
31	ENLARGED GREENHOUSE ELEVATIONS AND SECTIONS	A473
32	ENLARGED GREENHOUSE DETAILS	A474
33	ENLARGED OBSERVATORY PLAN	A475
34	ENLARGED OBSERVATORY ELEVATIONS AND DETAILS	A476
35	ENLARGED TRASH ENCLOSURE PLANS AND ELEVATIONS	A477
36	ENLARGED TRASH ENCLOSURE SECTION AND DETAILS	A478
37	ENLARGED EXTERIOR MOCK UP	A479
38		
39		
40	VOLUME 3	
41	COVER DRAWING - VOLUME 3	T031
42	DRAWING INDEX - VOLUME 3	T032
43	DRAWING INDEX - VOLUME 3	T033
44		
45	ARCHITECTURAL	
46	TYPICAL BUILDING ENVELOPE DETAILS	A501
47	CANOPY SECTION DETAILS	A502
48	CURTAIN WALL & BASE WALL SECTION DETAILS	A503
49	MASONRY SECTION DETAILS	A504
50	PARAPET SECTION DETAILS	A505
51	COPING SECTION DETAILS	A506
52	ROOF & PENTHOUSE SECTION DETAILS	A507
53	ROOF & LOUVER SECTION DETAILS	A508
54	ENTRANCE SECTION DETAILS	A509
55	ROOF ACCESSORY SECTION DETAILS	A510
56	VESTIBULE & OBSERVATORY SECTION DETAILS	A511
57	ENVELOPE PLAN DETAILS	A521

1	ENVELOPE PLAN DETAILS	A522
2	ENVELOPE PLAN DETAILS	A523
3	ENVELOPE PLAN DETAILS	A524
4	PROJECTED WINDOW PLANS, ELEVATIONS, AND SECTIONS	A580
5	RECESSED WINDOW PLANS, ELEVATIONS, AND SECTIONS	A581
6	FIRST FLOOR RECESSED WINDOW PLANS, ELEVATIONS, AND SECTIONS	A582
7	SHEAR WALL WINDOW PLAN, ELEVATIONS, AND SECTIONS	A583
8	EXTERIOR WINDOW DETAILS	A584
9	EXTERIOR WINDOW DETAILS	A585
10	EXTERIOR WINDOW DETAILS	A586
11	INTERIOR PARTITION TYPES GWB	A601
12	INTERIOR PARTITION TYPES GWB	A602
13	INTERIOR PARTITION TYPES GWB AND MASONRY	A603
14	TYP DETAILS - INTERIOR GWB PARTITIONS	A604
15	TYP DETAILS - INTERIOR GWB PTN BLOCKING	A605
16	TYP DETAILS - INTERIOR GWB PTN HEADS AT CONC SLAB	A606
17	TYP DETAILS - INTERIOR GWB PTN TERMINATIONS	A607
18	TYP DETAILS - INTERIOR GWB PTN TERMINATIONS	A608
19	TYP DETAILS - INTERIOR GWB PTN CONTROL JOINTS AND MISC CONDITIONS	A609
20	TYP DETAILS - INTERIOR CMU PARTITIONS	A610
21	INTERIOR DOOR SCHEDULE - FIRST FLOOR	A611
22	INTERIOR DOOR SCHEDULE - SECOND FLOOR	A612
23	INTERIOR DOOR SCHEDULE - THIRD FLOOR	A613
24	INTERIOR DOOR SCHEDULE - FOURTH FLOOR	A614
25	INTERIOR DOOR SCHEDULE - FIFTH FLOOR	A615
26	DOOR SCHEDULES	A616
27	DOOR & FRAME TYPE DIAGRAMS	A621
28	HM FRAME, 1 1/2" FACE, GWB PARTITION DETAILS	A622
29	HM FRAME, 1 1/2" FACE, GWB PARTITION DETAILS	A623
30	ENLARGED DOOR PLANS	A624
31	ENLARGED DOOR PLANS	A625
32	ENLARGED DOOR PLANS	A626
33	DOOR FRAME DETAILS AT RESILIENT SHEET FLOORING	A627
34		
35		
36	VOLUME 4	
37	COVER DRAWING - VOLUME 4	T041
38	DRAWING INDEX - VOLUME 4	T042
39	DRAWING INDEX - VOLUME 4	T043
40		
41	ARCHITECTURAL	
42	INTERIOR FINISH LEGEND	A900
43	FIRST FLOOR INTERIOR FINISH PLAN - AREA A	A901A
44	FIRST FLOOR INTERIOR FINISH PLAN - AREA B	A901B
45	FIRST FLOOR INTERIOR FINISH PLAN - AREA C	A901C
46	SECOND FLOOR INTERIOR FINISH PLAN - AREA A	A902A
47	SECOND FLOOR INTERIOR FINISH PLAN - AREA B	A902B
48	SECOND FLOOR INTERIOR FINISH PLAN - AREA C	A902C
49	THIRD FLOOR INTERIOR FINISH PLAN - AREA A	A903A
50	THIRD FLOOR INTERIOR FINISH PLAN - AREA B	A903B
51	THIRD FLOOR INTERIOR FINISH PLAN - AREA C	A903C
52	FOURTH FLOOR INTERIOR FINISH PLAN - AREA A	A904A
53	FOURTH FLOOR INTERIOR FINISH PLAN - AREA B	A904B
54	FOURTH FLOOR INTERIOR FINISH PLAN - AREA C	A904C
55	FIFTH FLOOR INTERIOR FINISH PLAN - AREA A	A905A
56	FIFTH FLOOR INTERIOR FINISH PLAN - AREA B	A905B
57	FIFTH FLOOR INTERIOR FINISH PLAN - AREA C	A905C

1	SIXTH FLOOR INTERIOR FINISH PLAN - AREA A	A906A
2	SIXTH FLOOR INTERIOR FINISH PLAN - AREA B	A906B
3	SIXTH FLOOR INTERIOR FINISH PLAN - AREA C	A906C
4	FIRST FLOOR WALL PROTECTION PLAN	A911
5	SECOND FLOOR WALL PROTECTION PLAN	A912
6	THIRD FLOOR WALL PROTECTION PLAN	A913
7	FOURTH FLOOR WALL PROTECTION PLAN	A914
8	FIFTH FLOOR WALL PROTECTION PLAN	A915
9	SIXTH FLOOR WALL PROTECTION PLAN	A916
10	INTERIOR ELEVATIONS - FIRST FLOOR	A921
11	INTERIOR ELEVATIONS - FIRST FLOOR	A922
12	INTERIOR ELEVATIONS - FIRST FLOOR	A923
13	INTERIOR ELEVATIONS - FIRST FLOOR	A924
14	INTERIOR ELEVATIONS - SECOND FLOOR	A925
15	INTERIOR ELEVATIONS - SECOND FLOOR	A926
16	INTERIOR ELEVATIONS - SECOND FLOOR	A927
17	INTERIOR ELEVATIONS - THIRD FLOOR	A928
18	INTERIOR ELEVATIONS - THIRD & FOURTH FLOOR	A929
19	INTERIOR ELEVATIONS - FIFTH FLOOR	A930
20	INTERIOR ELEVATIONS - TYPICAL	A931
21	INTERIOR ELEVATIONS - TYPICAL	A932
22	INTERIOR ELEVATIONS - TYPICAL	A933
23	INTERIOR ELEVATIONS - FULL BUILDING	A934
24	INTERIOR ELEVATIONS - FULL BUILDING	A935
25	INTERIOR ELEVATIONS - FULL BUILDING	A936
26	INTERIOR ELEVATIONS - STAIR A	A937
27	INTERIOR DETAILS - WALL PENETRATION	A951
28	INTERIOR DETAILS	A952
29	INTERIOR DETAILS - FLOOR TRANSITIONS	A953
30	INTERIOR DETAILS - WALL PROTECTION	A954
31	INTERIOR DETAILS - CEILINGS - ACT	A955
32	INTERIOR DETAILS - CEILINGS - GYP	A956
33	INTERIOR DETAILS - CEILINGS - SPECIAL	A957
34	INTERIOR DETAILS - PLANETARIUM	A958
35	INTERIOR DETAILS -SLIDING ALUMINUM FRAMED GLASS DOOR	A959
36	INTERIOR DETAILS - MILLWORK / CASEWORK	A960
37	INTERIOR DETAILS - MILLWORK / CASEWORK	A961
38	INTERIOR DETAILS - MILLWORK / CASEWORK	A962
39	INTERIOR DETAILS - SPECIALTY MILLWORK / CASEWORK	A963
40	INTERIOR DETAILS - GLASS PARTITION	A964
41	INTERIOR DETAILS - ENTRY ALCOVES	A965
42	INTERIOR DETAILS - ELEVATOR	A966
43	INTERIOR DETAILS MONITOR DISPLAY NICHE	A967
44	INTERIOR DETAILS - INTERIOR COMPONENTS	A968
45	INTERIOR DETAILS - INTERIOR COMPONENTS	A969
46	INTERIOR DETAILS - INTERIOR COMPONENTS	A970
47	INTERIOR DETAILS - INTERIOR COMPONENTS	A971
48	INTERIOR DETAILS - INTERIOR COMPONENTS	A972
49	PARTITION AND SLAB PENETRATIONS (CONCRETE)	A973
50	SLAB PENETRATIONS (CONCRETE)	A974
51	SLAB PENETRATIONS (CONCRETE)	A975
52	INTERIOR SIGNAGE DETAILS	A980
53	FIRST FLOOR INTERIOR SIGNAGE PLAN	A981
54	SECOND FLOOR INTERIOR SIGNAGE PLAN	A982
55	THIRD FLOOR INTERIOR SIGNAGE PLAN	A983
56	FOURTH FLOOR INTERIOR SIGNAGE PLAN	A984
57	FIFTH FLOOR INTERIOR SIGNAGE PLAN	A985

1	SIXTH FLOOR INTERIOR SIGNAGE PLAN	A986
2	FIRST FLOOR FURNITURE PLAN	A991
3	SECOND FLOOR FURNITURE PLAN	A992
4	THIRD FLOOR FURNITURE PLAN	A993
5	FOURTH FLOOR FURNITURE PLAN	A994
6	FIFTH FLOOR FURNITURE PLAN	A995
7	SIXTH FLOOR FURNITURE PLAN	A996
8		
9		
10	VOLUME 5	
11	COVER DRAWING - VOLUME 5	T051
12	DRAWING INDEX - VOLUME 5	T052
13	DRAWING INDEX - VOLUME 5	T053
14		
15	LABORATORY	
16	LABORATORY LEGENDS, SCHEDULE, & GENERAL NOTES	L001
17	TYPICAL LAB CASEWORK, ELEVATIONS, LEGEND	L002
18	TYPICAL LAB CASEWORK, ELEVATIONS, LEGEND	L003
19	TYPICAL LAB CASEWORK, ELEVATIONS, LEGEND	L004
20	EQUIPMENT SCHEDULE CONTRACTOR FURNISHED	L005
21	EQUIPMENT SCHEDULE CONTRACTOR FURNISHED	L006
22	FUME HOOD SCHEDULE	L007
23	EQUIPMENT SCHEDULE FIRST FLOOR	L008
24	EQUIPMENT SCHEDULE FIRST FLOOR	L009
25	EQUIPMENT SCHEDULE FIRST FLOOR	L010
26	EQUIPMENT SCHEDULE SECOND FLOOR	L011
27	EQUIPMENT SCHEDULE THIRD FLOOR	L012
28	EQUIPMENT SCHEDULE THIRD FLOOR	L013
29	EQUIPMENT SCHEDULE FOURTH FLOOR	L014
30	EQUIPMENT SCHEDULE FOURTH FLOOR	L015
31	EQUIPMENT SCHEDULE FIFTH FLOOR	L016
32	EQUIPMENT SCHEDULE FIFTH AND SIXTH FLOOR	L017
33	FIRST FLOOR LABORATORY PLAN - AREA A3	L111A3
34	FIRST FLOOR LABORATORY PLAN - AREA A4	L111A4
35	FIRST FLOOR LABORATORY PLAN - AREA B2	L111B2
36	FIRST FLOOR LABORATORY PLAN - AREA B3	L111B3
37	FIRST FLOOR LABORATORY PLAN - AREA C2	L111C2
38	SECOND FLOOR LABORATORY PLAN - AREA A3	L112A3
39	SECOND FLOOR LABORATORY PLAN - AREA A4	L112A4
40	SECOND FLOOR LABORATORY PLAN - AREA B2	L112B2
41	SECOND FLOOR LABORATORY PLAN - AREA B3	L112B3
42	THIRD FLOOR LABORATORY PLAN - AREA A3	L113A3
43	THIRD FLOOR LABORATORY PLAN - AREA A4	L113A4
44	THIRD FLOOR LABORATORY PLAN - AREA B2	L113B2
45	THIRD FLOOR LABORATORY PLAN - AREA B3	L113B3
46	FOURTH FLOOR LABORATORY PLAN - AREA A3	L114A3
47	FOURTH FLOOR LABORATORY PLAN - AREA A4	L114A4
48	FOURTH FLOOR LABORATORY PLAN - AREA B2	L114B2
49	FOURTH FLOOR LABORATORY PLAN - AREA B3	L114B3
50	FOURTH FLOOR LABORATORY PLAN - AREA C2	L114C2
51	FIFTH FLOOR LABORATORY PLAN - AREA A3	L115A3
52	FIFTH FLOOR LABORATORY PLAN - AREA A4	L115A4
53	FIFTH FLOOR LABORATORY PLAN - AREA B2	L115B2
54	FIFTH FLOOR LABORATORY PLAN - AREA B3	L115B3
55	SIXTH FLOOR LABORATORY PLAN - AREA B2	L116B2
56	SIXTH FLOOR LABORATORY PLAN - AREA B3	L116B3
57	FIRST FLOOR - LAB INTERIOR ELEVATIONS	L910

1	FIRST FLOOR - LAB INTERIOR ELEVATIONS	L911
2	FIRST FLOOR - LAB INTERIOR ELEVATIONS	L912
3	FIRST FLOOR - LAB INTERIOR ELEVATIONS	L913
4	FIRST FLOOR - LAB INTERIOR ELEVATIONS	L914
5	FIRST FLOOR - LAB INTERIOR ELEVATIONS	L915
6	SECOND FLOOR - LAB INTERIOR ELEVATIONS	L920
7	SECOND FLOOR - LAB INTERIOR ELEVATIONS	L921
8	SECOND FLOOR - LAB INTERIOR ELEVATIONS	L922
9	SECOND FLOOR - LAB INTERIOR ELEVATIONS	L923
10	THIRD FLOOR - LAB INTERIOR ELEVATIONS	L930
11	THIRD FLOOR - LAB INTERIOR ELEVATIONS	L931
12	THIRD FLOOR - LAB INTERIOR ELEVATIONS	L932
13	FOURTH FLOOR - LAB INTERIOR ELEVATIONS	L940
14	FOURTH FLOOR - LAB INTERIOR ELEVATIONS	L941
15	FOURTH FLOOR - LAB INTERIOR ELEVATIONS	L942
16	FOURTH FLOOR - LAB INTERIOR ELEVATIONS	L943
17	FOURTH FLOOR - MEDICAL INTERIOR ELEVATIONS	L944
18	FOURTH FLOOR - MEDICAL INTERIOR ELEVATIONS	L945
19	FIFTH FLOOR - LAB INTERIOR ELEVATIONS	L950
20	FIFTH FLOOR - LAB INTERIOR ELEVATIONS	L951
21	FIFTH FLOOR - LAB INTERIOR ELEVATIONS	L952
22	FIFTH FLOOR - LAB INTERIOR ELEVATIONS	L953
23	FIFTH FLOOR - LAB INTERIOR ELEVATIONS	L954
24	FIFTH FLOOR - LAB INTERIOR ELEVATIONS	L955
25	INTERIOR ELEVATIONS -BIOLOGY CENTER BENCHES	L970
26	INTERIOR ELEVATIONS - BIOLOGY & CHEMISTRY CENTER BENCHES	L971
27	INTERIOR ELEVATIONS CHEMISTRY CENTER BENCHES	L972
28	INTERIOR ELEVATIONS - CHEMISTRY CENTER BENCHES	L973
29	INTERIOR ELEVATIONS - GEOLOGY CENTER BENCHES	L974
30	INTERIOR ELEVATIONS -MSE CENTER BENCHES	L975
31	INTERIOR ELEVATIONS - PHYSICS AND ASTRONOMY CENTER BENCHES	L976
32	LABORATORY DETAILS	L990
33	LABORATORY DETAILS	L991
34	LABORATORY DETAILS	L992
35	LABORATORY DETAILS	L993
36	OR SIM. VENDOR TITLE SHEET - FOR REFERENCE	LS-100
37	OR SIM VENDOR- REVISION SUMMARY - FOR REFERENCE	LS-101
38	OR SIM. VENDOR EQUIPMENT LAYOUT - FOR REFERENCE	LS-102
39	OR SIM. VENDOR EQUIPMENT LAYOUT - FOR REFERENCE	LS-103
40	OR SIM. VENDOR PREINSTALL NOTES - FOR REFERENCE	LS-104
41	OR SIM. VENDOR PREINSTALL NOTES - FOR REFERENCE	LS-105
42	OR SIM. VENDOR PREINSTALL NOTES - FOR REFERENCE	LS-106
43	OR SIM. VENDOR EQUIPMENT DRAWINGS - FOR REFERENCE	LS-107
44	OR SIM. VENDOR EQUIPMENT DRAWINGS - FOR REFERENCE	LS-108
45		
46		
47	VOLUME 6	
48	COVER DRAWING - VOLUME 6	T061
49	DRAWING INDEX - VOLUME 6	T062
50	DRAWING INDEX - VOLUME 6	T063
51		
52	FIRE PROTECTION	
53	FIRE PROTECTION SYMBOLS & ABBREVIATIONS	F000
54	FIRE PROTECTION FIRST FLOOR PLAN - OVERALL	F101
55	FIRE PROTECTION FIRST FLOOR PLAN - AREA A	F101A
56	FIRE PROTECTION FIRST FLOOR PLAN - AREA B	F101B
57	FIRE PROTECTION FIRST FLOOR PLAN - AREA C	F101C

1	FIRE PROTECTION SECOND FLOOR PLAN - OVERALL	F102
2	FIRE PROTECTION SECOND FLOOR PLAN - AREA A	F102A
3	FIRE PROTECTION SECOND FLOOR PLAN - AREA B	F102B
4	FIRE PROTECTION SECOND FLOOR PLAN - AREA C	F102C
5	FIRE PROTECTION THIRD FLOOR PLAN - OVERALL	F103
6	FIRE PROTECTION THIRD FLOOR PLAN - AREA A	F103A
7	FIRE PROTECTION THIRD FLOOR PLAN - AREA B	F103B
8	FIRE PROTECTION THIRD FLOOR PLAN - AREA C	F103C
9	FIRE PROTECTION FOURTH FLOOR PLAN - OVERALL	F104
10	FIRE PROTECTION FOURTH FLOOR PLAN - AREA A	F104A
11	FIRE PROTECTION FOURTH FLOOR PLAN - AREA B	F104B
12	FIRE PROTECTION FOURTH FLOOR PLAN - AREA C	F104C
13	FIRE PROTECTION FIFTH FLOOR PLAN - OVERALL	F105
14	FIRE PROTECTION FIFTH FLOOR PLAN - AREA A	F105A
15	FIRE PROTECTION FIFTH FLOOR PLAN - AREA B	F105B
16	FIRE PROTECTION FIFTH FLOOR PLAN - AREA C	F105C
17	FIRE PROTECTION SIXTH FLOOR PLAN - OVERALL	F106
18	FIRE PROTECTION SIXTH FLOOR PLAN - AREA A	F106A
19	FIRE PROTECTION SIXTH FLOOR PLAN - AREA B	F106B
20	FIRE PROTECTION SIXTH FLOOR PLAN - AREA C	F106C
21	ENLARGED PLANS	F500
22	FIRE PROTECTION STAIR SECTIONS	F501
23	FIRE PROTECTION STAIR SECTIONS	F502
24	FIRE PROTECTION DETAILS	F600
25	FIRE PROTECTION DETAILS	F601
26	FIRE PROTECTION DETAILS	F602
27	FIRE PROTECTION DIAGRAMS	F700
28		
29		
30	VOLUME 7	
31	COVER DRAWING - VOLUME 7	T071
32	DRAWING INDEX - VOLUME 7	T072
33	DRAWING INDEX - VOLUME 7	T073
34		
35	PLUMBING	
36	PLUMBING SYMBOLS & ABBREVIATIONS	P000
37	PLUMBING CALCULATIONS	P001
38	PLUMBING UNDERFLOOR PLAN - OVERALL	P100
39	PLUMBING UNDERFLOOR PLAN - AREA A1	P100A1
40	PLUMBING UNDERFLOOR PLAN - AREA A2	P100A2
41	PLUMBING UNDERFLOOR PLAN - AREA A3	P100A3
42	PLUMBING UNDERFLOOR PLAN - AREA A4	P100A4
43	PLUMBING UNDERFLOOR PLAN - AREA B1	P100B1
44	PLUMBING UNDERFLOOR PLAN - AREA B2	P100B2
45	PLUMBING UNDERFLOOR PLAN - AREA B3	P100B3
46	PLUMBING UNDERFLOOR PLAN - AREA C1	P100C1
47	PLUMBING UNDERFLOOR PLAN - AREA C2	P100C2
48	PLUMBING FIRST FLOOR PLAN - OVERALL	P101
49	PLUMBING FIRST FLOOR PLAN - AREA A1	P101A1
50	PLUMBING FIRST FLOOR PLAN - AREA A2	P101A2
51	PLUMBING FIRST FLOOR PLAN - AREA A3	P101A3
52	PLUMBING FIRST FLOOR PLAN - AREA A4	P101A4
53	PLUMBING FIRST FLOOR PLAN - AREA B1	P101B1
54	PLUMBING FIRST FLOOR PLAN - AREA B2	P101B2
55	PLUMBING FIRST FLOOR PLAN - AREA B3	P101B3
56	PLUMBING FIRST FLOOR PLAN - AREA C1	P101C1
57	PLUMBING FIRST FLOOR PLAN - AREA C2	P101C2

1	PLUMBING SECOND FLOOR PLAN - OVERALL	P102
2	PLUMBING SECOND FLOOR PLAN - AREA A1	P102A1
3	PLUMBING SECOND FLOOR PLAN - AREA A2	P102A2
4	PLUMBING SECOND FLOOR PLAN - AREA A3	P102A3
5	PLUMBING SECOND FLOOR PLAN - AREA A4	P102A4
6	PLUMBING SECOND FLOOR PLAN - AREA B1	P102B1
7	PLUMBING SECOND FLOOR PLAN - AREA B2	P102B2
8	PLUMBING SECOND FLOOR PLAN - AREA B3	P102B3
9	PLUMBING SECOND FLOOR PLAN - AREA C1	P102C1
10	PLUMBING SECOND FLOOR PLAN - AREA C2	P102C2
11	PLUMBING THIRD FLOOR PLAN - OVERALL	P103
12	PLUMBING THIRD FLOOR PLAN - AREA A1	P103A1
13	PLUMBING THIRD FLOOR PLAN - AREA A2	P103A2
14	PLUMBING THIRD FLOOR PLAN - AREA A3	P103A3
15	PLUMBING THIRD FLOOR PLAN - AREA A4	P103A4
16	PLUMBING THIRD FLOOR PLAN - AREA B1	P103B1
17	PLUMBING THIRD FLOOR PLAN - AREA B2	P103B2
18	PLUMBING THIRD FLOOR PLAN - AREA B3	P103B3
19	PLUMBING THIRD FLOOR PLAN - AREA C1	P103C1
20	PLUMBING THIRD FLOOR PLAN - AREA C2	P103C2
21	PLUMBING FOURTH FLOOR PLAN - OVERALL	P104
22	PLUMBING FOURTH FLOOR PLAN - AREA A1	P104A1
23	PLUMBING FOURTH FLOOR PLAN - AREA A2	P104A2
24	PLUMBING FOURTH FLOOR PLAN - AREA A3	P104A3
25	PLUMBING FOURTH FLOOR PLAN - AREA A4	P104A4
26	PLUMBING FOURTH FLOOR PLAN - AREA B1	P104B1
27	PLUMBING FOURTH FLOOR PLAN - AREA B2	P104B2
28	PLUMBING FOURTH FLOOR PLAN - AREA B3	P104B3
29	PLUMBING FOURTH FLOOR PLAN - AREA C1	P104C1
30	PLUMBING FOURTH FLOOR PLAN - AREA C2	P104C2
31	PLUMBING FIFTH FLOOR PLAN - OVERALL	P105
32	PLUMBING FIFTH FLOOR PLAN - AREA A1	P105A1
33	PLUMBING FIFTH FLOOR PLAN - AREA A2	P105A2
34	PLUMBING FIFTH FLOOR PLAN - AREA A3	P105A3
35	PLUMBING FIFTH FLOOR PLAN - AREA A4	P105A4
36	PLUMBING FIFTH FLOOR PLAN - AREA B1	P105B1
37	PLUMBING FIFTH FLOOR PLAN - AREA B2	P105B2
38	PLUMBING FIFTH FLOOR PLAN - AREA B3	P105B3
39	PLUMBING FIFTH FLOOR PLAN - AREA C1	P105C1
40	PLUMBING FIFTH FLOOR PLAN - AREA C2	P105C2
41	PLUMBING SIXTH FLOOR PLAN - OVERALL	P106
42	PLUMBING SIXTH FLOOR PLAN - AREA A1	P106A1
43	PLUMBING SIXTH FLOOR PLAN - AREA A2	P106A2
44	PLUMBING SIXTH FLOOR PLAN - AREA A3	P106A3
45	PLUMBING SIXTH FLOOR PLAN - AREA A4	P106A4
46	PLUMBING SIXTH FLOOR PLAN - AREA B1	P106B1
47	PLUMBING SIXTH FLOOR PLAN - AREA B2	P106B2
48	PLUMBING SIXTH FLOOR PLAN - AREA B3	P106B3
49	PLUMBING SIXTH FLOOR PLAN - AREA C1	P106C1
50	PLUMBING SIXTH FLOOR PLAN - AREA C2	P106C2
51	PLUMBING ROOF PLAN - OVERALL	P107
52	PLUMBING ROOF PLAN - AREA A1	P107A1
53	PLUMBING ROOF PLAN - AREA A2	P107A2
54	PLUMBING ROOF PLAN - AREA A3	P107A3
55	PLUMBING ROOF PLAN - AREA A4	P107A4
56	PLUMBING ROOF PLAN - AREA B1	P107B1
57	PLUMBING ROOF PLAN - AREA B2	P107B2

1	PLUMBING ROOF PLAN - AREA B3	P107B3
2	PLUMBING ROOF PLAN - AREA C1	P107C1
3	PLUMBING ROOF PLAN - AREA C2	P107C2
4	PLUMBING DETAILS	P600
5	PLUMBING DETAILS	P601
6	PLUMBING DETAILS	P602
7	PLUMBING DETAILS	P603
8	PLUMBING DOMESTIC WATER FLOW DIAGRAM	P700
9	PLUMBING SANITARY WASTE FLOW DIAGRAM	P701
10	PLUMBING LAB WASTE FLOW DIAGRAM	P702
11	PLUMBING COMPRESSED AIR FLOW DIAGRAM	P703
12	PLUMBING LAB VACUUM FLOW DIAGRAM	P704
13	PLUMBING PURE WATER FLOW DIAGRAM	P705
14	PLUMBING NITROGEN FLOW DIAGRAM	P706
15	PLUMBING STORM FLOW DIAGRAM	P707
16	PLUMBING LAB NATURAL GAS FLOW DIAGRAM	P708
17	PLUMBING SCHEDULES	P800
18	PLUMBING SCHEDULES	P801
19		
20		
21	VOLUME 8	
22	COVER DRAWING - VOLUME 8	T081
23	DRAWING INDEX - VOLUME 8	T082
24	DRAWING INDEX - VOLUME 8	T083
25		
26	PLUMBING	
27	FIRST FLOOR DOMESTIC WATER ISOMETRIC - NORTH EAST	P901NE
28	FIRST FLOOR DOMESTIC WATER ISOMETRIC - NORTH WEST	P901NW
29	FIRST FLOOR DOMESTIC WATER ISOMETRIC - SOUTH EAST	P901SE
30	FIRST FLOOR DOMESTIC WATER ISOMETRIC - SOUTH WEST	P901SW
31	SECOND FLOOR DOMESTIC WATER ISOMETRIC - NORTH EAST	P902NE
32	SECOND FLOOR DOMESTIC WATER ISOMETRIC - NORTH WEST	P902NW
33	SECOND FLOOR DOMESTIC WATER ISOMETRIC - SOUTH EAST	P902SE
34	SECOND FLOOR DOMESTIC WATER ISOMETRIC - SOUTH WEST	P902SW
35	THIRD FLOOR DOMESTIC WATER ISOMETRIC - NORTH EAST	P903NE
36	THIRD FLOOR DOMESTIC WATER ISOMETRIC - NORTH WEST	P903NW
37	THIRD FLOOR DOMESTIC WATER ISOMETRIC - SOUTH EAST	P903SE
38	THIRD FLOOR DOMESTIC WATER ISOMETRIC - SOUTH WEST	P903SW
39	FOURTH FLOOR DOMESTIC WATER ISOMETRIC - NORTH EAST	P904NE
40	FOURTH FLOOR DOMESTIC WATER ISOMETRIC - NORTH WEST	P904NW
41	FOURTH FLOOR DOMESTIC WATER ISOMETRIC - SOUTH EAST	P904SE
42	FOURTH FLOOR DOMESTIC WATER ISOMETRIC - SOUTH WEST	P904SW
43	FIFTH FLOOR DOMESTIC WATER ISOMETRIC - NORTH EAST	P905NE
44	FIFTH FLOOR DOMESTIC WATER ISOMETRIC - NORTH WEST	P905NW
45	FIFTH FLOOR DOMESTIC WATER ISOMETRIC - SOUTH EAST	P905SE
46	FIFTH FLOOR DOMESTIC WATER ISOMETRIC - SOUTH WEST	P905SW
47	SIXTH FLOOR DOMESTIC WATER ISOMETRIC - EAST	P906E
48	SIXTH FLOOR DOMESTIC WATER ISOMETRIC - WEST	P906W
49	FIRST FLOOR SANITARY WASTE ISOMETRIC - NORTH EAST	P911NE
50	FIRST FLOOR SANITARY WASTE ISOMETRIC - NORTH WEST	P911NW
51	FIRST FLOOR SANITARY WASTE ISOMETRIC - SOUTH EAST	P911SE
52	FIRST FLOOR SANITARY WASTE ISOMETRIC - SOUTH WEST	P911SW
53	SECOND FLOOR SANITARY WASTE ISOMETRIC - NORTH EAST	P912NE
54	SECOND FLOOR SANITARY WASTE ISOMETRIC - NORTH WEST	P912NW
55	SECOND FLOOR SANITARY WASTE ISOMETRIC - SOUTH EAST	P912SE
56	SECOND FLOOR SANITARY WASTE ISOMETRIC - SOUTH WEST	P912SW
57	THIRD FLOOR SANITARY WASTE ISOMETRIC - NORTH EAST	P913NE

1	THIRD FLOOR SANITARY WASTE ISOMETRIC - NORTH WEST	P913NW
2	THIRD FLOOR SANITARY WASTE ISOMETRIC - SOUTH EAST	P913SE
3	THIRD FLOOR SANITARY WASTE ISOMETRIC - SOUTH WEST	P913SW
4	FOURTH FLOOR SANITARY WASTE ISOMETRIC - NORTH EAST	P914NE
5	FOURTH FLOOR SANITARY WASTE ISOMETRIC - NORTH WEST	P914NW
6	FOURTH FLOOR SANITARY WASTE ISOMETRIC - SOUTH EAST	P914SE
7	FOURTH FLOOR SANITARY WASTE ISOMETRIC - SOUTH WEST	P914SW
8	FIFTH FLOOR SANITARY WASTE ISOMETRIC - NORTH EAST	P915NE
9	FIFTH FLOOR SANITARY WASTE ISOMETRIC - NORTH WEST	P915NW
10	FIFTH FLOOR SANITARY WASTE ISOMETRIC - SOUTH EAST	P915SE
11	FIFTH FLOOR SANITARY WASTE ISOMETRIC - SOUTH WEST	P915SW
12	SIXTH FLOOR SANITARY WASTE ISOMETRIC - NORTH EAST	P916NE
13	SIXTH FLOOR SANITARY WASTE ISOMETRIC - NORTH WEST	P916NW
14	SIXTH FLOOR SANITARY WASTE ISOMETRIC - SOUTH EAST	P916SE
15	SIXTH FLOOR SANITARY WASTE ISOMETRIC - SOUTH WEST	P916SW
16	FIRST FLOOR LAB WASTE ISOMETRIC - NORTH EAST	P921NE
17	FIRST FLOOR LAB WASTE ISOMETRIC - NORTH WEST	P921NW
18	FIRST FLOOR LAB WASTE ISOMETRIC - SOUTH EAST	P921SE
19	FIRST FLOOR LAB WASTE ISOMETRIC - SOUTH WEST	P921SW
20	SECOND FLOOR LAB WASTE ISOMETRIC - NORTH EAST	P922NE
21	SECOND FLOOR LAB WASTE ISOMETRIC - NORTH WEST	P922NW
22	SECOND FLOOR LAB WASTE ISOMETRIC - SOUTH EAST	P922SE
23	SECOND FLOOR LAB WASTE ISOMETRIC - SOUTH WEST	P922SW
24	THIRD FLOOR LAB WASTE ISOMETRIC - NORTH EAST	P923NE
25	THIRD FLOOR LAB WASTE ISOMETRIC - NORTH WEST	P923NW
26	THIRD FLOOR LAB WASTE ISOMETRIC - SOUTH EAST	P923SE
27	THIRD FLOOR LAB WASTE ISOMETRIC - SOUTH WEST	P923SW
28	FOURTH FLOOR LAB WASTE ISOMETRIC - NORTH EAST	P924NE
29	FOURTH FLOOR LAB WASTE ISOMETRIC - NORTH WEST	P924NW
30	FOURTH FLOOR LAB WASTE ISOMETRIC - SOUTH EAST	P924SE
31	FOURTH FLOOR LAB WASTE ISOMETRIC - SOUTH WEST	P924SW
32	FIFTH FLOOR LAB WASTE ISOMETRIC - NORTH EAST	P925NE
33	FIFTH FLOOR LAB WASTE ISOMETRIC - NORTH WEST	P925NW
34	FIFTH FLOOR LAB WASTE ISOMETRIC - SOUTH EAST	P925SE
35	FIFTH FLOOR LAB WASTE ISOMETRIC - SOUTH WEST	P925SW
36	SIXTH FLOOR LAB WASTE ISOMETRIC - EAST	P926E
37	SIXTH FLOOR LAB WASTE ISOMETRIC - WEST	P926W
38	STORM ISOMETRIC - NORTH	P940N
39	STORM ISOMETRIC - SOUTH	P940S
40		
41		
42	VOLUME 9	
43	COVER DRAWING - VOLUME 9	T091
44	DRAWING INDEX - VOLUME 9	T092
45	DRAWING INDEX - VOLUME 9	T093
46		
47	HVAC	
48	MECHANICAL SYMBOLS & ABBREVIATIONS	M000
49	MECHANICAL SITE PLAN - STEAM PIPING	M001
50	STEAM PIT 10 - STEAM PIPING - DEMOLITION	M010
51	STEAM PIT 9 - STEAM PIPING - DEMOLITION	M011
52	STEAM PIT 9 - STEAM PIPING	M012
53	DETAILS - SITE STEAM	M013
54	MECHANICAL DUCTWORK FIRST FLOOR PLAN - OVERALL	M101
55	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA A1	M101A1
56	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA A2	M101A2
57	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA A3	M101A3

1	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA A4	M101A4
2	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA B1	M101B1
3	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA B2	M101B2
4	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA B3	M101B3
5	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA C1	M101C1
6	MECHANICAL DUCTWORK FIRST FLOOR PLAN - AREA C2	M101C2
7	MECHANICAL DUCTWORK SECOND FLOOR PLAN - OVERALL	M102
8	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA A1	M102A1
9	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA A2	M102A2
10	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA A3	M102A3
11	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA A4	M102A4
12	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA B1	M102B1
13	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA B2	M102B2
14	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA B3	M102B3
15	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA C1	M102C1
16	MECHANICAL DUCTWORK SECOND FLOOR PLAN - AREA C2	M102C2
17	MECHANICAL DUCTWORK THIRD FLOOR PLAN - OVERALL	M103
18	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA A1	M103A1
19	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA A2	M103A2
20	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA A3	M103A3
21	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA A4	M103A4
22	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA B1	M103B1
23	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA B2	M103B2
24	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA B3	M103B3
25	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA C1	M103C1
26	MECHANICAL DUCTWORK THIRD FLOOR PLAN - AREA C2	M103C2
27	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - OVERALL	M104
28	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA A1	M104A1
29	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA A2	M104A2
30	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA A3	M104A3
31	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA A4	M104A4
32	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA B1	M104B1
33	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA B2	M104B2
34	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA B3	M104B3
35	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA C1	M104C1
36	MECHANICAL DUCTWORK FOURTH FLOOR PLAN - AREA C2	M104C2
37	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - OVERALL	M105
38	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA A1	M105A1
39	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA A2	M105A2
40	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA A3	M105A3
41	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA A4	M105A4
42	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA B1	M105B1
43	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA B2	M105B2
44	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA B3	M105B3
45	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA C1	M105C1
46	MECHANICAL DUCTWORK FIFTH FLOOR PLAN - AREA C2	M105C2
47	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - OVERALL	M106
48	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - AREA A1	M106A1
49	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - AREA A3	M106A3
50	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - AREA A4	M106A4
51	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - AREA B1	M106B1
52	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - AREA B2	M106B2
53	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - AREA B3	M106B3
54	MECHANICAL DUCTWORK SIXTH FLOOR PLAN - AREA C2	M106C2
55	MECHANICAL ROOF PLAN - OVERALL	M107
56	MECHANICAL DUCTWORK ROOF PLAN - AREA A3	M107A3
57	MECHANICAL DUCTWORK ROOF PLAN - AREA A4	M107A4

1	MECHANICAL DUCTWORK ROOF PLAN - AREA B1	M107B1
2	MECHANICAL DUCTWORK ROOF PLAN - AREA B2	M107B2
3	MECHANICAL PIPING FIRST FLOOR PLAN - OVERALL	M201
4	MECHANICAL PIPING FIRST FLOOR PLAN - AREA A1	M201A1
5	MECHANICAL PIPING FIRST FLOOR PLAN - AREA A2	M201A2
6	MECHANICAL PIPING FIRST FLOOR PLAN - AREA A3	M201A3
7	MECHANICAL PIPING FIRST FLOOR PLAN - AREA A4	M201A4
8	MECHANICAL PIPING FIRST FLOOR PLAN - AREA B1	M201B1
9	MECHANICAL PIPING FIRST FLOOR PLAN - AREA B2	M201B2
10	MECHANICAL PIPING FIRST FLOOR PLAN - AREA B3	M201B3
11	MECHANICAL PIPING FIRST FLOOR PLAN - AREA C1	M201C1
12	MECHANICAL PIPING FIRST FLOOR PLAN - AREA C2	M201C2
13	MECHANICAL PIPING SECOND FLOOR PLAN - OVERALL	M202
14	MECHANICAL PIPING SECOND FLOOR PLAN - AREA A1	M202A1
15	MECHANICAL PIPING SECOND FLOOR PLAN - AREA A2	M202A2
16	MECHANICAL PIPING SECOND FLOOR PLAN - AREA A3	M202A3
17	MECHANICAL PIPING SECOND FLOOR PLAN - AREA A4	M202A4
18	MECHANICAL PIPING SECOND FLOOR PLAN - AREA B1	M202B1
19	MECHANICAL PIPING SECOND FLOOR PLAN - AREA B2	M202B2
20	MECHANICAL PIPING SECOND FLOOR PLAN - AREA B3	M202B3
21	MECHANICAL PIPING SECOND FLOOR PLAN - AREA C1	M202C1
22	MECHANICAL PIPING SECOND FLOOR PLAN - AREA C2	M202C2
23	MECHANICAL PIPING THIRD FLOOR PLAN - OVERALL	M203
24	MECHANICAL PIPING THIRD FLOOR PLAN - AREA A1	M203A1
25	MECHANICAL PIPING THIRD FLOOR PLAN - AREA A2	M203A2
26	MECHANICAL PIPING THIRD FLOOR PLAN - AREA A3	M203A3
27	MECHANICAL PIPING THIRD FLOOR PLAN - AREA A4	M203A4
28	MECHANICAL PIPING THIRD FLOOR PLAN - AREA B1	M203B1
29	MECHANICAL PIPING THIRD FLOOR PLAN - AREA B2	M203B2
30	MECHANICAL PIPING THIRD FLOOR PLAN - AREA B3	M203B3
31	MECHANICAL PIPING THIRD FLOOR PLAN - AREA C1	M203C1
32	MECHANICAL PIPING THIRD FLOOR PLAN - AREA C2	M203C2
33	MECHANICAL PIPING FOURTH FLOOR PLAN - OVERALL	M204
34	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA A1	M204A1
35	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA A2	M204A2
36	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA A3	M204A3
37	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA A4	M204A4
38	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA B1	M204B1
39	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA B2	M204B2
40	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA B3	M204B3
41	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA C1	M204C1
42	MECHANICAL PIPING FOURTH FLOOR PLAN - AREA C2	M204C2
43	MECHANICAL PIPING FIFTH FLOOR PLAN - OVERALL	M205
44	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA A1	M205A1
45	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA A2	M205A2
46	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA A3	M205A3
47	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA A4	M205A4
48	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA B1	M205B1
49	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA B2	M205B2
50	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA B3	M205B3
51	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA C1	M205C1
52	MECHANICAL PIPING FIFTH FLOOR PLAN - AREA C2	M205C2
53	MECHANICAL PIPING SIXTH FLOOR PLAN - OVERALL	M206
54	MECHANICAL PIPING SIXTH FLOOR PLAN - AREA A1	M206A1
55	MECHANICAL PIPING SIXTH FLOOR PLAN - AREA A3	M206A3
56	MECHANICAL PIPING SIXTH FLOOR PLAN - AREA A4	M206A4
57	MECHANICAL PIPING SIXTH FLOOR PLAN - AREA B1	M206B1

1	MECHANICAL PIPING SIXTH FLOOR PLAN - AREA B2	M206B2
2	MECHANICAL PIPING SIXTH FLOOR PLAN - AREA B3	M206B3
3	MECHANICAL PIPING SIXTH FLOOR PLAN - AREA C2	M206C2
4		
5		
6	VOLUME 10	
7	COVER DRAWING - VOLUME 10	T101
8	DRAWING INDEX - VOLUME 10	T102
9	DRAWING INDEX - VOLUME 10	T103
10		
11	HVAC	
12	MECHANICAL SECTIONS	M500
13	MECHANICAL SECTIONS	M501
14	MECHANICAL SECTIONS	M502
15	MECHANICAL SECTIONS	M503
16	MECHANICAL SECTIONS	M504
17	MECHANICAL SECTIONS	M505
18	MECHANICAL DETAILS	M600
19	MECHANICAL DETAILS	M601
20	MECHANICAL DETAILS	M602
21	MECHANICAL DETAILS	M603
22	MECHANICAL DETAILS	M604
23	MECHANICAL DETAILS	M605
24	MECHANICAL DETAILS	M606
25	MECHANICAL DETAILS	M607
26	MECHANICAL DETAILS	M608
27	MECHANICAL DETAILS	M609
28	MECHANICAL DETAILS	M610
29	MECHANICAL DETAILS	M611
30	MECHANICAL DETAILS	M612
31	MECHANICAL DETAILS	M613
32	MECHANICAL DETAILS	M614
33	MECHANICAL FLOW DIAGRAMS SYMBOLS AND ABBREVIATIONS	M700
34	BUILDING AUTOMATION SYSTEM ARCHITECTURE	M701
35	BUILDING AUTOMATION SMOKE CONTROL SYSTEM ARCHITECTURE	M702
36	AIR QUALITY MONITORING SYSTEM ARCHITECTURE	M703
37	FIREFIGHTER HVAC OVERRIDE PANEL DETAIL	M704
38	STEAM AND STEAM CONDENSATE FLOW DIAGRAM	M710
39	HEATING HOT WATER FLOW DIAGRAM	M711
40	CHILLED WATER & PROCESS COOLING WATER FLOW DIAGRAM	M712
41	HEAT RECLAIM WATER FLOW DIAGRAM	M713
42	AHU-1A & AHU-1B FLOW DIAGRAM (LABORATORY AHUS)	M720
43	AHU-1C, AHU-1D, & AHU-1E FLOW DIAGRAM (LABORATORY AHUS)	M721
44	EF-2A, EF-2B, & EF-2C FLOW DIAGRAM (FUME EXHAUST)	M722
45	OVERVIEW LAB AIR SYSTEM FLOW DIAGRAM	M723
46	AHU-3A & AHU-3B FLOW DIAGRAM (OFFICE AHUS)	M724
47	RETURN FAN (RF-3) & PENTHOUSE HVAC FLOW DIAGRAM	M725
48	OVERVIEW OFFICE AIR SYSTEM FLOW DIAGRAM	M726
49	AHU-4A & AHU-4B FLOW DIAGRAM (VIVARIM AHUS)	M727
50	EF-4A & EF-4B FLOW DIAGRAM (VIVARIUM EXHAUST)	M728
51	ACID EXHAUST FLOW DIAGRAMS	M729
52	AHU-8 FLOW DIAGRAM (STAIRWELL PRESSURIZATION)	M730
53	ROOM HVAC FLOW DIAGRAMS	M740
54	ROOM HVAC FLOW DIAGRAMS	M741
55	ROOM HVAC FLOW DIAGRAMS	M742
56	ROOM HVAC FLOW DIAGRAMS	M743
57	ROOM HVAC FLOW DIAGRAMS	M744

1	MISCELLANEOUS BUILDING AUTOMATION SYSTEM FLOW DIAGRAMS	M745
2	MECHANICAL SCHEDULES	M800
3	MECHANICAL SCHEDULES	M801
4	MECHANICAL SCHEDULES	M802
5	MECHANICAL SCHEDULES	M803
6	MECHANICAL SCHEDULES	M804
7	MECHANICAL SCHEDULES	M805
8	MECHANICAL SCHEDULES	M806
9	MECHANICAL SCHEDULES	M807
10	MECHANICAL SCHEDULES	M808
11	MECHANICAL SCHEDULES	M809
12	MECHANICAL SCHEDULES	M810
13	MECHANICAL SCHEDULES	M811
14	MECHANICAL SCHEDULES	M812
15	MECHANICAL SCHEDULES	M813
16	MECHANICAL SCHEDULES	M814
17	MECHANICAL SCHEDULES	M815
18	MECHANICAL SCHEDULES	M816
19	MECHANICAL SCHEDULES	M817
20	MECHANICAL SCHEDULES	M818
21	MECHANICAL SCHEDULES	M819
22	MECHANICAL SCHEDULES	M820
23	MECHANICAL SCHEDULES	M821
24	MECHANICAL SCHEDULES	M822
25		
26		
27	VOLUME 11	
28	COVER DRAWING - VOLUME 11	T111
29	DRAWING INDEX - VOLUME 11	T112
30	DRAWING INDEX - VOLUME 11	T113
31		
32	ELECTRICAL	
33	ELECTRICAL SYMBOLS & ABBREVIATIONS	E000
34	ELECTRICAL SITE PLAN (NEW WORK)	E010
35	ELECTRICAL DEMOLITION SITE PLAN	E020
36	ENLARGED ELECTRICAL SITE PLAN - SERVICE YARD	E030
37	ELECTRICAL LIGHTING FIRST FLOOR PLAN - AREA A	E101A
38	ELECTRICAL LIGHTING FIRST FLOOR PLAN - AREA B	E101B
39	ELECTRICAL LIGHTING FIRST FLOOR PLAN - AREA C	E101C
40	ELECTRICAL LIGHTING SECOND FLOOR PLAN - AREA A	E102A
41	ELECTRICAL LIGHTING SECOND FLOOR PLAN - AREA B	E102B
42	ELECTRICAL LIGHTING SECOND FLOOR PLAN - AREA C	E102C
43	ELECTRICAL LIGHTING THIRD FLOOR PLAN - AREA A	E103A
44	ELECTRICAL LIGHTING THIRD FLOOR PLAN - AREA B	E103B
45	ELECTRICAL LIGHTING THIRD FLOOR PLAN - AREA C	E103C
46	ELECTRICAL LIGHTING FOURTH FLOOR PLAN - AREA A	E104A
47	ELECTRICAL LIGHTING FOURTH FLOOR PLAN - AREA B	E104B
48	ELECTRICAL LIGHTING FOURTH FLOOR PLAN - AREA C	E104C
49	ELECTRICAL LIGHTING FIFTH FLOOR PLAN - AREA A	E105A
50	ELECTRICAL LIGHTING FIFTH FLOOR PLAN - AREA B	E105B
51	ELECTRICAL LIGHTING FIFTH FLOOR PLAN - AREA C	E105C
52	ELECTRICAL LIGHTING SIXTH FLOOR PLAN - AREA A	E106A
53	ELECTRICAL LIGHTING SIXTH FLOOR PLAN - AREA B	E106B
54	ELECTRICAL LIGHTING SIXTH FLOOR PLAN - AREA C	E106C
55	ELECTRICAL POWER UNDERFLOOR PLAN - CONDUIT	E200
56	ELECTRICAL POWER FIRST FLOOR PLAN - CONDUIT	E201
57	ELECTRICAL POWER FIRST FLOOR PLAN - AREA A	E201A

1	ELECTRICAL POWER FIRST FLOOR PLAN - AREA B	E201B
2	ELECTRICAL POWER FIRST FLOOR PLAN - AREA C	E201C
3	ELECTRICAL POWER SECOND FLOOR PLAN - CONDUIT	E202
4	ELECTRICAL POWER SECOND FLOOR PLAN - AREA A	E202A
5	ELECTRICAL POWER SECOND FLOOR PLAN - AREA B	E202B
6	ELECTRICAL POWER SECOND FLOOR PLAN - AREA C	E202C
7	ELECTRICAL POWER THIRD FLOOR PLAN - CONDUIT	E203
8	ELECTRICAL POWER THIRD FLOOR PLAN - AREA A	E203A
9	ELECTRICAL POWER THIRD FLOOR PLAN - AREA B	E203B
10	ELECTRICAL POWER THIRD FLOOR PLAN - AREA C	E203C
11	ELECTRICAL POWER FOURTH FLOOR PLAN - CONDUIT	E204
12	ELECTRICAL POWER FOURTH FLOOR PLAN - AREA A	E204A
13	ELECTRICAL POWER FOURTH FLOOR PLAN - AREA B	E204B
14	ELECTRICAL POWER FOURTH FLOOR PLAN - AREA C	E204C
15	ELECTRICAL POWER FIFTH FLOOR PLAN - CONDUIT	E205
16	ELECTRICAL POWER FIFTH FLOOR PLAN - AREA A	E205A
17	ELECTRICAL POWER FIFTH FLOOR PLAN - AREA B	E205B
18	ELECTRICAL POWER FIFTH FLOOR PLAN - AREA C	E205C
19	ELECTRICAL POWER SIXTH FLOOR PLAN - CONDUIT	E206
20	ELECTRICAL POWER SIXTH FLOOR PLAN - AREA A	E206A
21	ELECTRICAL POWER SIXTH FLOOR PLAN - AREA B	E206B
22	ELECTRICAL POWER SIXTH FLOOR PLAN - AREA C	E206C
23	ELECTRICAL POWER ROOF PLAN - SOLAR	E207
24	ELECTRICAL POWER ROOF PLAN - AREA A	E207A
25	ELECTRICAL POWER ROOF PLAN - AREA B	E207B
26	ELECTRICAL POWER ROOF PLAN - AREA C	E207C
27	ELECTRICAL SYSTEMS FIRST FLOOR PLAN - AREA A	E301A
28	ELECTRICAL SYSTEMS FIRST FLOOR PLAN - AREA B	E301B
29	ELECTRICAL SYSTEMS FIRST FLOOR PLAN - AREA C	E301C
30	ELECTRICAL SYSTEMS SECOND FLOOR PLAN - AREA A	E302A
31	ELECTRICAL SYSTEMS SECOND FLOOR PLAN - AREA B	E302B
32	ELECTRICAL SYSTEMS SECOND FLOOR PLAN - AREA C	E302C
33	ELECTRICAL SYSTEMS THIRD FLOOR PLAN - AREA A	E303A
34	ELECTRICAL SYSTEMS THIRD FLOOR PLAN - AREA B	E303B
35	ELECTRICAL SYSTEMS THIRD FLOOR PLAN - AREA C	E303C
36	ELECTRICAL SYSTEMS FOURTH FLOOR PLAN - AREA A	E304A
37	ELECTRICAL SYSTEMS FOURTH FLOOR PLAN - AREA B	E304B
38	ELECTRICAL SYSTEMS FOURTH FLOOR PLAN - AREA C	E304C
39	ELECTRICAL SYSTEMS FIFTH FLOOR PLAN - AREA A	E305A
40	ELECTRICAL SYSTEMS FIFTH FLOOR PLAN - AREA B	E305B
41	ELECTRICAL SYSTEMS FIFTH FLOOR PLAN - AREA C	E305C
42	ELECTRICAL SYSTEMS SIXTH FLOOR PLAN - AREA A	E306A
43	ELECTRICAL SYSTEMS SIXTH FLOOR PLAN - AREA B	E306B
44	ELECTRICAL SYSTEMS SIXTH FLOOR PLAN - AREA C	E306C
45	ENLARGED PLANS	E500
46	ENLARGED PLANS	E501
47	ENLARGED PLANS	E502
48	ENLARGED PLANS	E503
49	ENLARGED PLANS	E504
50	ENLARGED PLANS	E505
51		
52		
53	VOLUME 12	
54	COVER DRAWING - VOLUME 12	T121
55	DRAWING INDEX - VOLUME 12	T122
56	DRAWING INDEX - VOLUME 12	T123
57		

1	ELECTRICAL	
2	ELECTRICAL DETAILS - STAIR A - SECTION AND ISOMETRIC	E600
3	ELECTRICAL DETAILS - STAIR B - SECTION AND ISOMETRIC	E601
4	ELECTRICAL DETAILS - STAIR C - SECTION AND ISOMETRIC	E602
5	ELECTRICAL DETAILS - STAIR D - SECTION AND ISOMETRIC	E603
6	ELECTRICAL DETAILS	E604
7	ELECTRICAL DETAILS	E605
8	ELECTRICAL DETAILS	E606
9	ELECTRICAL DETAILS	E607
10	ELECTRICAL DETAILS	E608
11	ELECTRICAL DETAILS	E609
12	ELECTRICAL DETAILS	E610
13	ELECTRICAL DETAILS	E611
14	ELECTRICAL DETAILS	E612
15	ELECTRICAL MEDIUM VOLTAGE CAMPUS ONE-LINE - NEW WORK	E700
16	ELECTRICAL MEDIUM VOLTAGE CAMPUS ONE-LINE - DEMO	E700D
17	ELECTRICAL NORMAL POWER RISER DIAGRAM	E701
18	ELECTRICAL NORMAL POWER RISER DIAGRAM	E702
19	ELECTRICAL EMERGENCY/STANDBY POWER RISER DIAGRAM	E703
20	ELECTRICAL EMERGENCY/STANDBY POWER RISER DIAGRAM	E704
21	ELECTRICAL GROUNDING RISER DIAGRAM	E705
22	FIRE ALARM RISER DIAGRAM	E706
23	ELECTRICAL SOLAR POWER ONE-LINE DIAGRAM	E707
24	ELECTRICAL CONDUIT AND WIRE SCHEDULES	E800
25	ELECTRICAL EQUIPMENT SCHEDULE	E801A
26	ELECTRICAL EQUIPMENT SCHEDULE	E801B
27	ELECTRICAL LUMINAIRE SCHEDULE	E802
28	ELECTRICAL LUMINAIRE SCHEDULE	E803
29	ELECTRICAL LUMINAIRE CONTROL SCHEDULES	E804
30	ELECTRICAL FIRE ALARM MATRIX	E805
31	ELECTRICAL - SOLAR PV SYSTEM DESIGN REQUIRMENTS	E806
32	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E820
33	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E821
34	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E822
35	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E823
36	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E824
37	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E825
38	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E826
39	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E827
40	ELECTRICAL PANEL SCHEDULES - FIRST FLOOR	E828
41	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E829
42	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E830
43	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E831
44	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E832
45	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E833
46	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E834
47	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E835
48	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E836
49	ELECTRICAL PANEL SCHEDULES - SECOND FLOOR	E837
50	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E838
51	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E839
52	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E840
53	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E841
54	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E842
55	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E843
56	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E844
57	ELECTRICAL PANEL SCHEDULES - THIRD FLOOR	E845

1	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E846
2	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E847
3	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E848
4	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E849
5	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E850
6	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E851
7	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E852
8	ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR	E853
9	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E854
10	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E855
11	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E856
12	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E857
13	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E858
14	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E859
15	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E860
16	ELECTRICAL PANEL SCHEDULES - FIFTH FLOOR	E861
17	ELECTRICAL PANEL SCHEDULES - SIXTH FLOOR	E862
18	ELECTRICAL PANEL SCHEDULES - SIXTH FLOOR	E863
19	ELECTRICAL PANEL SCHEDULES - SIXTH FLOOR	E864
20	ELECTRICAL PANEL SCHEDULES - SIXTH FLOOR	E865
21	ELECTRICAL SITE LIGHTING CALCULATIONS	ELC010
22	ELECTRICAL LIGHTING EGRESS CALCULATION FIRST FLOOR PLAN - AREA A	ELC101A
23	ELECTRICAL LIGHTING EGRESS CALCULATION FIRST FLOOR PLAN - AREA B	ELC101B
24	ELECTRICAL LIGHTING EGRESS CALCULATION FIRST FLOOR PLAN - AREA C	ELC101C
25	ELECTRICAL LIGHTING EGRESS CALCULATION SECOND FLOOR PLAN - AREA A	ELC102A
26	ELECTRICAL LIGHTING EGRESS CALCULATION SECOND FLOOR PLAN - AREA B	ELC102B
27	ELECTRICAL LIGHTING EGRESS CALCULATION SECOND FLOOR PLAN - AREA C	ELC102C
28	ELECTRICAL LIGHTING EGRESS CALCULATION THIRD FLOOR PLAN - AREA A	ELC103A
29	ELECTRICAL LIGHTING EGRESS CALCULATION THIRD FLOOR PLAN - AREA B	ELC103B
30	ELECTRICAL LIGHTING EGRESS CALCULATION THIRD FLOOR PLAN - AREA C	ELC103C
31	ELECTRICAL LIGHTING EGRESS CALCULATION FOURTH FLOOR PLAN - AREA A	ELC104A
32	ELECTRICAL LIGHTING EGRESS CALCULATION FOURTH FLOOR PLAN - AREA B	ELC104B
33	ELECTRICAL LIGHTING EGRESS CALCULATION FOURTH FLOOR PLAN - AREA C	ELC104C
34	ELECTRICAL LIGHTING EGRESS CALCULATION FIFTH FLOOR PLAN - AREA A	ELC105A
35	ELECTRICAL LIGHTING EGRESS CALCULATION FIFTH FLOOR PLAN - AREA B	ELC105B
36	ELECTRICAL LIGHTING EGRESS CALCULATION FIFTH FLOOR PLAN - AREA C	ELC105C
37	ELECTRICAL LIGHTING EGRESS CALCULATION SIXTH FLOOR PLAN - AREA A	ELC106A
38	ELECTRICAL LIGHTING EGRESS CALCULATION SIXTH FLOOR PLAN - AREA B	ELC106B
39	ELECTRICAL LIGHTING EGRESS CALCULATION SIXTH FLOOR PLAN - AREA C	ELC106C
40		
41		
42	VOLUME 13	
43	COVER DRAWING - VOLUME 13	T131
44	DRAWING INDEX - VOLUME 13	T132
45	DRAWING INDEX - VOLUME 13	T133
46		
47	COMMUNICATIONS	
48	COMMUNICATIONS SYMBOLS & ABBREVIATIONS	Q000
49	COMMUNICATIONS FIRST FLOOR PLAN - AREA A	Q101A
50	COMMUNICATIONS FIRST FLOOR PLAN - AREA B	Q101B
51	COMMUNICATIONS FIRST FLOOR PLAN - AREA C	Q101C
52	COMMUNICATIONS SECOND FLOOR PLAN - AREA A	Q102A
53	COMMUNICATIONS SECOND FLOOR PLAN - AREA B	Q102B
54	COMMUNICATIONS SECOND FLOOR PLAN - AREA C	Q102C
55	COMMUNICATIONS THIRD FLOOR PLAN - AREA A	Q103A
56	COMMUNICATIONS THIRD FLOOR PLAN - AREA B	Q103B
57	COMMUNICATIONS THIRD FLOOR PLAN - AREA C	Q103C

1	COMMUNICATIONS FOURTH FLOOR PLAN - AREA A	Q104A
2	COMMUNICATIONS FOURTH FLOOR PLAN - AREA B	Q104B
3	COMMUNICATIONS FOURTH FLOOR PLAN - AREA C	Q104C
4	COMMUNICATIONS FIFTH FLOOR PLAN - AREA A	Q105A
5	COMMUNICATIONS FIFTH FLOOR PLAN - AREA B	Q105B
6	COMMUNICATIONS FIFTH FLOOR PLAN - AREA C	Q105C
7	COMMUNICATIONS SIXTH FLOOR PLAN - AREA A	Q106A
8	COMMUNICATIONS SIXTH FLOOR PLAN - AREA B	Q106B
9	COMMUNICATIONS SIXTH FLOOR PLAN - AREA C	Q106C
10	ENLARGED PLANS - HPE DATA CENTER	Q500
11	ENLARGED TELECOM ROOM PLANS - TR 1204	Q501
12	ENLARGED TELECOM ROOM PLANS - TR 1124	Q502
13	ENLARGED TELECOM ROOM PLANS - TR 2208	Q503
14	ENLARGED TELECOM ROOM PLANS - TR 2030	Q504
15	ENLARGED TELECOM ROOM PLANS - TR 3208	Q505
16	ENLARGED TELECOM ROOM PLANS - TR 3030	Q506
17	ENLARGED TELECOM ROOM PLANS - TR 4208	Q507
18	ENLARGED TELECOM ROOM PLANS - TR 4030	Q508
19	ENLARGED TELECOM ROOM PLANS - TR 5208	Q509
20	ENLARGED TELECOM ROOM PLANS - TR 5030	Q510
21	SECURITY DETAILS	Q600
22	COMMUNICATIONS DETAILS	Q601
23	COMMUNICATIONS DETAILS	Q602
24	COMMUNICATIONS CABLE RISER	Q700
25		
26	AUDIO VISUAL	
27	AUDIO VISUAL SYMBOLS & ABBREVIATIONS	V000
28	AUDIO VISUAL FIRST FLOOR PLAN - AREA A	V101A
29	AUDIO VISUAL FIRST FLOOR PLAN - AREA B	V101B
30	AUDIO VISUAL FIRST FLOOR PLAN - AREA C	V101C
31	AUDIO VISUAL SECOND FLOOR PLAN - AREA A	V102A
32	AUDIO VISUAL SECOND FLOOR PLAN - AREA B	V102B
33	AUDIO VISUAL SECOND FLOOR PLAN - AREA C	V102C
34	AUDIO VISUAL THIRD FLOOR PLAN - AREA A	V103A
35	AUDIO VISUAL THIRD FLOOR PLAN - AREA B	V103B
36	AUDIO VISUAL THIRD FLOOR PLAN - AREA C	V103C
37	AUDIO VISUAL FOURTH FLOOR PLAN - AREA A	V104A
38	AUDIO VISUAL FOURTH FLOOR PLAN - AREA B	V104B
39	AUDIO VISUAL FOURTH FLOOR PLAN - AREA C	V104C
40	AUDIO VISUAL FIFTH FLOOR PLAN - AREA A	V105A
41	AUDIO VISUAL FIFTH FLOOR PLAN - AREA B	V105B
42	AUDIO VISUAL FIFTH FLOOR PLAN - AREA C	V105C
43	AUDIO VISUAL REFLECTED CEILING PLAN FIRST FLOOR - AREA A	V201A
44	AUDIO VISUAL REFLECTED CEILING PLAN FIRST FLOOR - AREA B	V201B
45	AUDIO VISUAL REFLECTED CEILING PLAN FIRST FLOOR - AREA C	V201C
46	AUDIO VISUAL REFLECTED CEILING PLAN SECOND FLOOR - AREA A	V202A
47	AUDIO VISUAL REFLECTED CEILING PLAN SECOND FLOOR - AREA B	V202B
48	AUDIO VISUAL REFLECTED CEILING PLAN SECOND FLOOR - AREA C	V202C
49	AUDIO VISUAL REFLECTED CEILING PLAN THIRD FLOOR - AREA A	V203A
50	AUDIO VISUAL REFLECTED CEILING PLAN THIRD FLOOR - AREA B	V203B
51	AUDIO VISUAL REFLECTED CEILING PLAN THIRD FLOOR - AREA C	V203C
52	AUDIO VISUAL REFLECTED CEILING PLAN FOURTH FLOOR - AREA A	V204A
53	AUDIO VISUAL REFLECTED CEILING PLAN FOURTH FLOOR - AREA B	V204B
54	AUDIO VISUAL REFLECTED CEILING PLAN FOURTH FLOOR - AREA C	V204C
55	AUDIO VISUAL REFLECTED CEILING PLAN FIFTH FLOOR - AREA A	V205A
56	AUDIO VISUAL REFLECTED CEILING PLAN FIFTH FLOOR - AREA B	V205B
57	AUDIO VISUAL REFLECTED CEILING PLAN FIFTH FLOOR - AREA C	V205C

1	AUDIO VISUAL DETAILS	V600
2	AUDIO VISUAL SYSTEM DIAGRAM	V700
3	AUDIO VISUAL SYSTEM DIAGRAM	V701
4	AUDIO VISUAL SYSTEM DIAGRAM	V702
5	AUDIO VISUAL SYSTEM DIAGRAM	V703
6	AUDIO VISUAL SYSTEM DIAGRAM	V704
7	AUDIO VISUAL SYSTEM DIAGRAM	V705
8	AUDIO VISUAL SYSTEM DIAGRAM	V706
9		
10		
11	***	