

1	TABLE OF CONTENTS TECHNICAL SPECIFICATIONS		
2			
3	Division Project No. 21E2S		
4			
5	DIVISION 1 – TECHNICAL SPECIFICATION BID DOCUMENTS		Pages Thru
6	TITLE PAGE		1
7	TABLE OF CONTENTS		TC - 4
8			
9	VOLUME 2		
10			
11	DIVISION 02 – EXISTING CONDITIONS		
12	Section	Title	
13	02 05 00	Common Work Results for Existing Conditions	02 05 00 - 4
14	02 41 13	Demolition	02 41 13 - 4
15			
16	DIVISION 05 – METALS		
17	Section	Title	
18	05 50 00	Metal Fabrications	05 50 00 - 10
19			
20	DIVISION 06 – WOOD, PLASTICS AND COMPOSITES		
21	06 10 00	Rough Carpentry	06 10 00 - 4
22			
23	DIVISION 07 – THERMAL AND MOISTURE PROTECTION		
24	Section	Title	
25	07 84 00	Fire Stopping	07 84 00 - 9
26	07 92 00	Joint Sealants	07 92 00 - 6
27			
28			
29	DIVISION 08 – OPENINGS		
30	Section	Title	
31	08 12 13	Hollow Metal Doors and Frames	08 12 13 – 10
32	08 71 00	Door Hardware	08 71 00 – 8
33			
34	DIVISION 09 – FINISHES		
35	Section	Title	
36	09 21 16	Gypsum Board Assemblies	09 21 16 - 11
37	09 65 00	Resilient Flooring	09 65 00 - 6
38	09 91 23	Interior Painting	09 91 23 – 11
39			
40	DIVISION 14 – CONVEYING SYSTEMS		
41	Section	Title	
42	14 08 00	Commissioning of Conveying Systems	14 08 00 - 14
43	14 08 10	Commissioning of Conveying Systems	14 08 10 - 10
44	14 21 21	Traction Elevators – Bradley Memorial	14 21 21 - 19
45	14 21 22	Traction Elevators – Engineering Research	14 21 22 - 20
46	14 21 23	Traction Elevators – Charter St. Heating and Cooling	14 21 23 - 19
47	14 21 24	Traction Elevators – Chemistry Building	14 21 24 - 19
48	14 24 20	Hydraulic Elevators – Bascom Hall	14 24 20 - 18
49	14 24 21	Hydraulic Elevators – Steenbock Memorial Library	14 24 21 - 19
50			
51	DIVISION 21 – FIRE SUPPRESSION		
52	Section	Title	
53	21 05 00	Common Work Results for Fire Suppression	21 05 00 - 4
54	21 05 29	Hangers and Supports for Fire Suppression Piping and Equipment	21 05 29 - 3
55	21 10 00	Water Based Fire Suppression Systems	21 10 00 - 4

1			
2		DIVISION 22 – PLUMBING	
3	Section	Title	
4	22 05 00	Common Work Results for Plumbing	22 05 00 - 4
5	22 05 14	Plumbing Specialties	23 05 14 - 2
6	22 05 29	Hangers and Supports for Plumbing Piping and Equipment	22 05 29 - 3
7	22 13 00	Facility Sanitary Sewerage	22 13 00 - 4
8			
9		DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING	
10	Section	Title	
11	23 05 00	Common Work Results for HVAC	23 05 00 - 6
12	23 05 29	Hangers and Supports for HVAC Piping and Equipment	23 05 29 - 6
13	23 05 93	Testing, Adjusting, and Balancing for HVAC	23 05 93 - 4
14	23 07 00	HVAC Insulation	23 07 00 - 8
15	23 08 00	Commissioning of HVAC	23 08 00 - 42
16	23 09 14	Instrumentation and Control Devices for HVAC	23 09 14 - 6
17	23 09 15	Direct Digital Control Input Output Point Summary Tables	23 09 15 - 1
18	23 09 23	Direct Digital Control System for HVAC	23 09 23 - 14
19	23 09 93	Sequence of Operation for HVAC Controls	23 09 93 - 5
20	23 21 13	Hydronic Piping	23 21 13 - 7
21	23 25 00	HVAC Water Treatment.	23 25 00 - 5
22	23 81 26	Split-System Ductless Air-Conditioners	23 81 26 - 6
23	23 82 00	Heating and Cooling Terminal Units	23 82 00 - 2
24			
25		DIVISION 26 – ELECTRICAL	
26	Section	Title	
27	26 05 00	Common Work Results for Electrical	26 05 00 - 7
28	26 05 02	Electrical Demolition for Remodeling	26 05 02 - 3
29	26 05 04	Cleaning, Inspection and Testing of Electrical Equipment	26 05 04 - 2
30	26 05 19	Low Voltage Power Cable and Wire	26 05 19 - 4
31	26 05 23	Control-Voltage Electrical Power Cables	26 05 23 - 3
32	26 05 26	Grounding and Bonding for Electrical Systems	26 05 26 - 5
33	26 05 29	Hangers and Supports for Electrical Systems	26 05 29 - 4
34	26 05 33	Raceway and Boxes for Electrical Systems	26 05 33 - 7
35	26 05 53	Identification for Electrical Systems	26 05 53 - 4
36	26 05 73	Short Circuit Coordination Study and Arc Flash Hazard Study	26 05 73 - 5
37	26 22 00	Low-Voltage Transformers	26 22 00 - 2
38	26 24 13	Switchboards	26 24 13 - 6
39	26 24 16	Panelboards	26 24 16 - 6
40	26 27 02	Equipment Wiring Systems	26 27 02 - 4
41	26 27 26	Wiring Devices	26 27 26 - 4
42	26 27 28	Disconnect Switches	26 27 28 - 2
43	26 27 29	Elevator Distribution Equipment	26 27 29 - 3
44	26 28 13	Fuses	26 28 13 - 1
45	26 28 16	Enclosed Switches and Circuit Breakers	26 28 16 - 2
46	26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits	26 43 13 - 3
47	26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts	26 51 13 - 6
48			
49		DIVISION 27 – COMMUNICATIONS	
50	Section	Title	
51	27 05 53	Identification for Communications Systems	27 05 53 - 4
52	27 08 00	Commissioning Communications	27 08 00 - 16
53	27 10 00	Structured Cabling	27 10 00 - 19
54			
55			

1	DIVISION 28 – ELECTRONIC SAFETY AND SECURITY		
2	Section	Title	
3	28 10 00	Access Control	28 10 00 - 9
4	28 31 00	Fire Detection and Alarm	28 31 00 - 20
5			
6	DRAWINGS – Bound Separately – Organized by Building		
7	Title		Sheet Number
8			
9	COVER SHEET		G-001
10	GENERAL NOTES, LEGENDS & ABBREVIATIONS		A-001
11	ELEVATOR DETAILS		A-002
12	FIRE PROTECTION GENERAL NOTES, SYMBOLS, & ABBREVIATIONS		F-001
13	MECHANICAL GENERAL NOTES, SYMBOLS, AND SCHEDULES		M-001
14	ELECTRICAL GENERAL NOTES, SYMBOLS		E-001
15	ELECTRICAL ONE-LINE DIAGRAMS		E-200
16	ELECTRICAL ONE-LINE DIAGRAMS 2		E-201
17	ELECTRICAL PANEL SCHEDULES		E-202
18	ELECTRICAL SCHEDULES AND IT DETAIL		E-203
19			
20	A - BASCOM HALL		
21	BASCOM 0050 - COVER SHEET		A-A100
22	BASCOM 0050 – RO 503211 - DEMOLITION PLANS		A-A110
23	BASCOM 0050 – RO 503211 - FLOOR PLANS		A-A120
24	BASCOM 0050 – RO 503211 - REFLECTED CEILING PLANS		A-A140
25	BASCOM 0050 – RO 503211 - SECTIONS AND DETAILS		A-A200
26	BASCOM 0050 – RO 503211 - LANDING DETAILS		A-A300
27	BASCOM 0050 – RO 503211 - MECHANICAL FLOOR PLANS		A-M120
28	BASCOM 0050 – RO 503211 - ELECTRICAL FLOOR PLANS		A-E120
29			
30	C - BRADLEY MEMORIAL		
31	BRADLEY 0452 - COVER SHEET		C-A100
32	BRADLEY 0452 - RO 501753 - DEMOLITION PLANS AND RCP		C-A110
33	BRADLEY 0452 - RO 501753 - FLOOR PLANS		C-A120
34	BRADLEY 0452 - RO 501753 - REFLECTED CEILING PLANS AND DETAILS		C-A140
35	BRADLEY 0452 - RO 501753 – SECTIONS		C-A200
36	BRADLEY 0452 - RO 501753 - LANDING DETAILS		C-A300
37	BRADLEY 0452 - RO 501753 - DOOR TYPES & SCHEDULE & WALL TYPES		C-A400
38	BRADLEY 0452 - RO 501753 - FIRE PROTECTION FLOOR PLANS		C-F120
39	BRADLEY 0452 - RO 501753 - MECHANICAL FLOOR PLANS		C-M120
40	BRADLEY 0452 - RO 501753 - ELECTRICAL FLOOR PLANS		C-E120
41			
42	D - ENGINEERING RESEARCH		
43	ENGINEERING RESEARCH 0762 - COVER SHEET		D-A100
44	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - DEMOLITION PLANS		D-A110
45	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - DEMOLITION PLANS		D-A111
46	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - DEMOLITION PLANS & RCP		D-A112
47	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - FLOOR PLANS		D-A120
48	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - FLOOR PLANS		D-A121
49	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - FLOOR PLANS & RCP		D-A122
50	ENGINEERING RESEARCH 0762 - RO 503865 & 503865 - SECTIONS AND DETAILS		D-A200
51	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - LANDING DETAILS		D-A300
52	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - MECHANICAL FLOOR PLANS		D-M120
53	ENGINEERING RESEARCH 0762 - RO 503865 & 503866 - ELECTRICAL FLOOR PLANS		D-E120
54			
55			

1	E - STEENBOCK MEMORIAL LIBRARY	
2	STEENBOCK 0079 - COVER SHEET	E-A100
3	STEENBOCK 0079 - RO 503760 & 503761 - DEMOLITION PLANS	E-A110
4	STEENBOCK 0079 - RO 503760 & 503761 - DEMOLITION PLANS	E-A111
5	STEENBOCK 0079 - RO 503760 & 503761 - FLOOR PLANS	E-A120
6	STEENBOCK 0079 - RO 503760 & 503761 - FLOOR PLANS	E-A121
7	STEENBOCK 0079 - RO 503760 & 503761 - SECTIONS AND DETAILS	E-A200
8	STEENBOCK 0079 - RO 503760 & 503761 - LANDING DETAILS	E-A300
9	STEENBOCK 0079 - RO 503760 & 503761 - MECHANICAL FLOOR PLANS	E-M120
10	STEENBOCK 0079 - RO 503760 & 503761 - ELECTRICAL FLOOR PLANS	E-E120
11	STEENBOCK 0079 - RO 503760 & 503761 - ELECTRICAL FLOOR PLANS	E-E121
12		
13	G - CHARTER ST HEATING AND COOLING	
14	CHARTER ST HEATING 0529 - COVER SHEET	G-A100
15	CHARTER ST HEATING 0529 - RO 502505 - DEMOLITION PLANS	G-A110
16	CHARTER ST HEATING 0529 - RO 502505 - FLOOR PLANS	G-A120
17	CHARTER ST HEATING 0529 - RO 502505 - FLOOR PLANS & RCP	G-A121
18	CHARTER ST HEATING 0529 - RO 502505 - SECTIONS & DETAILS	G-A200
19	CHARTER ST HEATING 0529 - RO 502505 - MECHANICAL FLOOR PLANS	G-M120
20	CHARTER ST HEATING 0529 - RO 502505 - ELECTRICAL FLOOR PLANS	G-E120
21	CHARTER ST HEATING 0529 - RO 502505 - ELECTRICAL FLOOR PLANS	G-E121
22		
23	H - CHEMISTRY BUILDING	
24	CHEMISTRY 047 - COVER SHEET	H-A100
25	CHEMISTRY 047 - RO 502506 - DEMOLITION PLANS	H-A110
26	CHEMISTRY 047 - RO 502506 - DEMOLITION PLANS	H-A111
27	CHEMISTRY 047 - RO 502506 - DEMOLITION REFLECTED CEILING PLANS	H-A115
28	CHEMISTRY 047 - RO 502506 - FLOOR PLANS	H-A120
29	CHEMISTRY 047 - RO 502506 - FLOOR PLANS	H-A121
30	CHEMISTRY 047 - RO 502506 - REFLECTED CEILING PLANS	H-A140
31	CHEMISTRY 047 - RO 502506 - SECTIONS AND DETAILS	H-A200
32	CHEMISTRY 047 - RO 502506 - LANDING DETAILS	H-A300
33	CHEMISTRY 047 - RO 502506 - MECHANICAL FLOOR PLANS	H-M120
34	CHEMISTRY 047 - RO 502506 - ELECTRICAL FLOOR PLANS	H-E120
35	CHEMISTRY 047 - RO 502506 - ELECTRICAL FLOOR PLANS	H-E121
36		
37	END OF SECTION	