



PROPOSAL REQUEST 002

project	SDP Sumitomo Dainippon Pharma TI	project no	21560
date	2021-11-03	no. pages	
owner	SDP Sumitomo Dainippon Pharma Oncology		
contractor	Saunders Construction Inc.		
reference	PR 002 - SDP Sumitomo Dainippon Pharma TI		

attention	Ed Saunders Ethan Saunders Cory Grand Bruce St. Pierre Alex Boswell Jon Jacobs Brent Tippets JoanEllen Creamer Nancy McKendrick	firm(s)	Saunders Construction Inc. Saunders Construction Inc. SDP Sumitomo Dainippon Pharma Oncology SDP Sumitomo Dainippon Pharma Oncology Spectrum Engineers Spectrum Engineers VCBO Architecture VCBO Architecture, LLC VCBO Architecture, LLC
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This is a proposal request for an estimate or cost for the following item(s) of work and is not an authorization or order for changes or additional work and does not revise the contract price.

- 2.1 Sheet EP101
Eliminate ceiling power panel in Conference Room T150.
 - 2.2 EP602
Modifications made to Panel 1L1A for elimination of power ceiling panel in room T150.
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VCBO Architecture

Nancy McKendrick

NOTE: ALL EXISTING CIRCUITS ON THIS PANEL ARE LABELED "(EX)".

EXISTING PANEL: "1QL1"

VOLTS/PHASE/WIRE:		PANEL SIZE & TYPE:		MAIN SIZE AND TYPE:		FED FROM:	CABINET:	LOCATION:	NOTES:						
120/208V, 3 PH 4 WIRE		22" W x 6" D, BOLT-ON		225 AMPERE			SURFACE	ELEC. 104							
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR															
CKT NO	AMP	OCP	POLE	BKR	LOAD (kVA)	PHASE LOAD			DESCRIPTION	LOAD (kVA)	OCP	AMP	CKT NO		
						A	B	C							
1	20	1	--	--	--				(EX) FREEZER T141	0.0	0.0		15	2	
3	20	1	--	--	--				(EX) FREEZER RM T141				15	4	
5	20	1	--	0.0	1.2	0.0		1.2	PWR: (EQ2) FREEZER				15	6	
7	20	1	--	--	--				(EX) FREEZER T141	0.0	0.0		20	8	
9	20	1	--	--	--				(EX) FREEZER T140-2				20	10	
11	20	1	--	--	--				(EX) FREEZER T140-2				20	12	
13	30	1	--	--	--				(EX) WATER PURIFICATION T140-2	0.0	0.0		20	14	
15	20	1	--	0.0	0.8	0.0		0.8	PWR: (EQ22) CAGE CAROUSEL	0.0	0.8	0.0	20	16	
17	20	1	--	0.0	0.8	0.0		0.8	(EX) CAGE CAROUSEL T137				20	18	
19	20	1	--	--	--				(EX) INCUBATOR T140	0.0	0.0		20	20	
21	20	1	--	--	--				(EX) INCUBATOR T140				20	22	
23	20	1	--	--	--				(EX) INCUBATOR T140				20	24	
25	20	1	--	--	--				(EX) CO LAB 3 T140	0.0	0.0		20	26	
27	20	1	--	--	--				(EX) FIRE ALARM NAC PANEL				20	28	
29	20	1	--	--	--				(EX) POWER LAB 3-2 T140-2	1.2	0.0		20	30	
31	20	1	--	0.0	1.2	0.0		0.0	(EX) POWER LAB 3-2 T140-2				20	32	
33	20	1	--	--	--				(EX) POWER LAB 3-2 T140-2				20	34	
35	20	1	--	--	--				(EX) DUCT HEATER ERV-2C T137	0.0	0.0		20	36	
37	20	1	--	--	--				(EX) EF-1 T137				20	38	
39	20	1	--	--	--				(EX) POWER LAB 3-2 T140-2	0.0	0.0		20	40	
41	20	1	--	--	--			0.0	1.2	PWR: (EQ2) FREEZER	0.0	1.2	0.0	20	42
43	30	3	0.0	3.6	0.0			1.2	0.0	(EX) ERV-2A LAB 2 T137				20	44
45	--	--	--	--	--			1.2	0.2	PWR: COLD ROOM CONNECTIONS	0.0	0.2	0.0	20	46
47	--	--	--	--	--			1.2	0.0	(EX) ERV-2B LAB 2 T137				20	48
49	20	1	--	--	--			0.0	3.1	PWR: (EQ78) ANIMAL IRRADIATOR	0.0	6.2	0.0	20	50
51	20	1	--	--	--			0.0	3.1					52	
53	20	1	--	--	--			0.0	2.4	PWR: (FCU-1) COLD ROOM	0.0	4.7	0.0	20	54
55	20	1	--	--	--			0.0	2.4					56	
57	20	1	--	--	--			0.0	0.0	SPARE				58	
59	20	1	--	--	--			0.0	0.0	SPARE				60	
TOTALS:						CONNECTED kVA PER PHASE	8	6	7	CONNECTED TOTAL kVA =	21				
						CONNECTED AMPS PER PHASE	66	51	57	AVERAGE CONNECTED AMPS PER PHASE =	58				
NEC DIVERSIFIED LOAD CALCULATIONS															
LIGHTING & CONTINUOUS LOADS:				- 100% CONNECTED LOAD PLUS 25%				DIVERSIFIED TOTAL kVA = 22							
RECEPTACLES:				- FIRST 10kVA @ 100%, REMAINDER @ 50%				AVERAGE AMPS PER PHASE = 62							
ALL OTHER LOADS @ 100%:				22.3 kVA				MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC							
BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI															

NOTE: ALL EXISTING CIRCUITS ON THIS PANEL ARE LABELED "(EX)".

EXISTING PANEL: "1L1A"

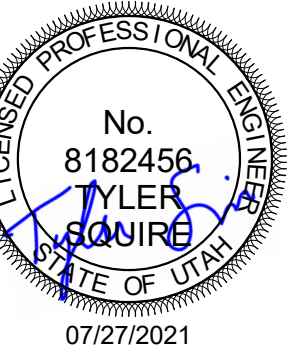
VOLTS/PHASE/WIRE:		PANEL SIZE & TYPE:		MAIN SIZE AND TYPE:		FED FROM:	CABINET:	LOCATION:	NOTES:					
120/208V, 3 PH 4 WIRE		22" W x 6" D, BOLT-ON		600 AMPERE			SURFACE	ELEC. 104						
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR														
CKT NO	AMP	OCP	POLE	BKR	LOAD (kVA)	PHASE LOAD			DESCRIPTION	LOAD (kVA)	OCP	AMP	CKT NO	
						A	B	C						
1	20	1	--	--	--				(EX) LIGHTING RECEPTION T101	0.0	0.0		20	2
3	20	1	--	--	--				(EX) RED TAPE LIGHT T101				20	4
5	20	1	--	--	--				(EX) UC DISHWASHER T153				20	6
7	50	1	--	--	--				(EX) RANGE T153	0.0	0.0		20	8
9	50	1	--	--	--				SPARE				20	10
11	20	1	--	--	--				(EX) SHREDDER T103				20	12
13	20	1	--	--	--				(EX) MICROWAVE T153	0.0	0.0		20	14
15	20	1	--	--	--				(EX) ICE MACHINE T153				20	16
17	20	1	--	--	--				SPARE				20	18
19	20	1	--	--	--				(EX) MICROWAVE T104	0.0	0.0		20	20
21	20	1	--	--	--				(EX) ICE MACHINE T104				20	22
23	20	1	--	--	--				(EX) UC REFRIGERATOR T104				20	24
25	20	1	--	--	--				(EX) BSC T137	0.0	0.0		20	26
27	20	1	--	--	--				(EX) BSC T137				20	28
29	20	1	--	--	--				(EX) REFRIGERATOR T140				20	30
31	20	1	--	--	--				(EX) BSC T140	0.0	0.0		20	32
33	20	1	--	--	--				(EX) BSC T140				20	34
35	20	1	--	--	--				(EX) BSCT140				20	36
37	20	1	--	--	--				(EX) WATER DISPENSER T127	0.0	0.0		20	38
39	20	1	--	--	--				(EX) UC REFRIGERATOR T127				20	40
41	20	1	--	--	--				(EX) UC DISHWASHER T127				20	42
43	50	1	--	--	--				(EX) RANGE T127	0.0	0.0		20	44
45	50	1	--	--	--				SPARE				20	46
47	20	1	--	--	--				(EX) ROOM 106 SOUTH				20	48
49	20	1	--	--	--				(EX) MICROWAVE T127	0.0	0.1		20	50
51	20	1	--	--	--				(EX) MICROWAVE T127				20	52
53	20	1	--	--	--				(EX) CO FUTURE T153				20	54
55	20	1	--	--	--				(EX) COUNTER CO T153	0.0	0.0		20	56
57	20	1	--	--	--				(EX) COUNTER CO CONF RM T106				20	58
59	20	1	--	--	--				(EX) CO T106, T105				20	60
61	20	1	--	--	--				(EX) CO OFFICE T117	0.0	0.0		20	62
63	20	1	--	--	--				(EX) INSTA HOT				20	64
65	20	1	--	--	--				(EX) CO OFFICE T119				20	66
67	20	1	--	--	--				(EX) CO ROOM T109, T111, T110	0.0	0.0		20	68
69	20	1	--	--	--				(EX) CO ROOM T115, T116				20	70
71	20	1	--	--	--				(EX) CO COPY/PRINT T103				20	72
73	20	1	--	--	--				(EX) CO	0.0	0.0		20	74
75	20	1	--	--	--				(EX) FLOORBOX RECEPTION T101				20	76
77	20	1	--	--	--				(EX) FLOORBOX BOARD ROOM...				20	78
79	20	1	--	--	--				(EX) FLOORBOX BOARD ROOM...	0.0	0.0		20	80
81	20	1	--	--	--				(EX) ROOM 106 NORTH	0.0	0.0		20	82
83	20	1	--	--	--				SPARE				20	84
85	20	1	--	--	--				(EX) CO BREAK ROOM T127	0.0	0.0		20	86
87	20	1	--	--	--				(EX) POWER BREAK ROOM T127				20	88
89	20	1	--	--	--				(EX) CO BREAK ROOM T127				20	90
91	20	1	--	--	--				SPARE	0.0	0.0		20	92
93	20	1	--	--	--				SPARE				20	94
95	20	1	--	--	--				SPARE				20	96
97	20	1	--	--	--				(EX) CO ROOM T144, T142	0.0	0.0		20	98
99	20	1	--	--	--				(EX) CO ROOM T132, T137				20	100
101	20	1	--	--	--				(EX) CO FLUOR/MICRO T132				20	102
103	20	1	--	--	--				(EX) CO ROOM T131, T140-2	0.0	0.0		20	104
105	20	1	--	--	--				(EX) CO ROOM T139, T140				20	106
107	20	1	--	--	--				(EX) VRF-109, 126, 128, T140-2				20	108
109	20	1	--	--	--				SPARE				20	110
111	20	1	--	--	--				(EX) CO ROOM T140-2, T143	0.0	0.0		20	112
113	20	1	--	--	--				(EX) VRF-101,107,109 T153				20	114
115	20	1	--	--	--				SPARE	0.0	0.0		20	116
117	20	1	--	--	--				(EX) VRF-104,113,114 T116, T113...				20	118
119	20	1	--	--	--				SPARE				20	120
121	20	1	--	--	--				(EX) VRF-116,117,118 T126, T127	0.0	0.0		20	122
123	20	1	--	--	--				SPARE	0.0	0.4		20	124
125	20	1	--	--	--				(EX) CO LAB 3-2 T140-2				20	126
127	20	1	--	--	--				(EX) PWR: FURN LABS-2 T140-2	0.0	0.4		20	128
129	20	1	--	--	--				(EX) VRF-124,125 RM T141				20	130
131	20	1	--	--	--				SPARE				20	132
133	20	1	--	--	--				(EX) VRF-110,111,112 T115, T116	0.0	0.0		30	134
135	20	1	--	--	--				SPARE				30	136
137	20	1	--	--	--				(EX) VRF-119,121,122 T131, T140-...				30	138
139	20	1	--	--	--				SPARE	0.0	0.0		20	140
141	20	1	--	--	--				(EX) INSTA-HOT BREAK ROOM...				20	142
143	20	1	--	--	--				(EX) RECIRC PUMP RCP-1	0.0	0.0		20	144
145	20	1	--	--	--				(EX) BC-7	0.0	0.0		20	146
147	20	1	--	--	--				SPARE				20	148
149	20	1	--	--	--				SPARE				20	150
151	20	1	--	--	--				(EX) UC REFRIGERATOR T106	0.0	0.0		20	152
153	20	1	--	--	--				(EX) FUTURE T153 RANGE HOOD				20	154
155	20	3	0.0	1.1	0.0				PWR: ELEC. CEILING PANEL				20	156
157	--	--	--	--	--				SPARE	0.4	0.0		20	158
159	--	--	--	--	--				SPARE				20	160
161	20	1	--	--	--				SPARE				20	

GENERAL SHEET NOTES

1. OUTLETS ADJACENT TO WET AREAS OR WITHIN 6'-0" OF A SINK ARE TO BE GFCI PROTECTED.
2. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES SHALL BE COORDINATED WITH THE OWNER/ ARCHITECT DURING A WALK-THROUGH PRIOR TO ROUGH-IN.
3. LOCATE ALL DISCONNECT SWITCHES ADJACENT TO EQUIPMENT IN ACCESSIBLE LOCATION. EACH DISCONNECT SWITCH LOCATION TO MEET ALL APPLICABLE WORKING CLEARANCE REQUIREMENTS.
4. CIRCUITING TO EXISTING DEVICES MAY BE MAINTAINED. FIELD VERIFY DEVICES THAT REMAIN ACTIVE ONCE DEMOLITION HAS BEEN COMPLETED. DRAWINGS SHOW CIRCUITING INTENT. EXACT CIRCUIT NUMBERS MAY BE DETERMINED IN THE FIELD BASED ON FIELD CONDITIONS. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF CONSTRUCTION.

SHEET KEYNOTES

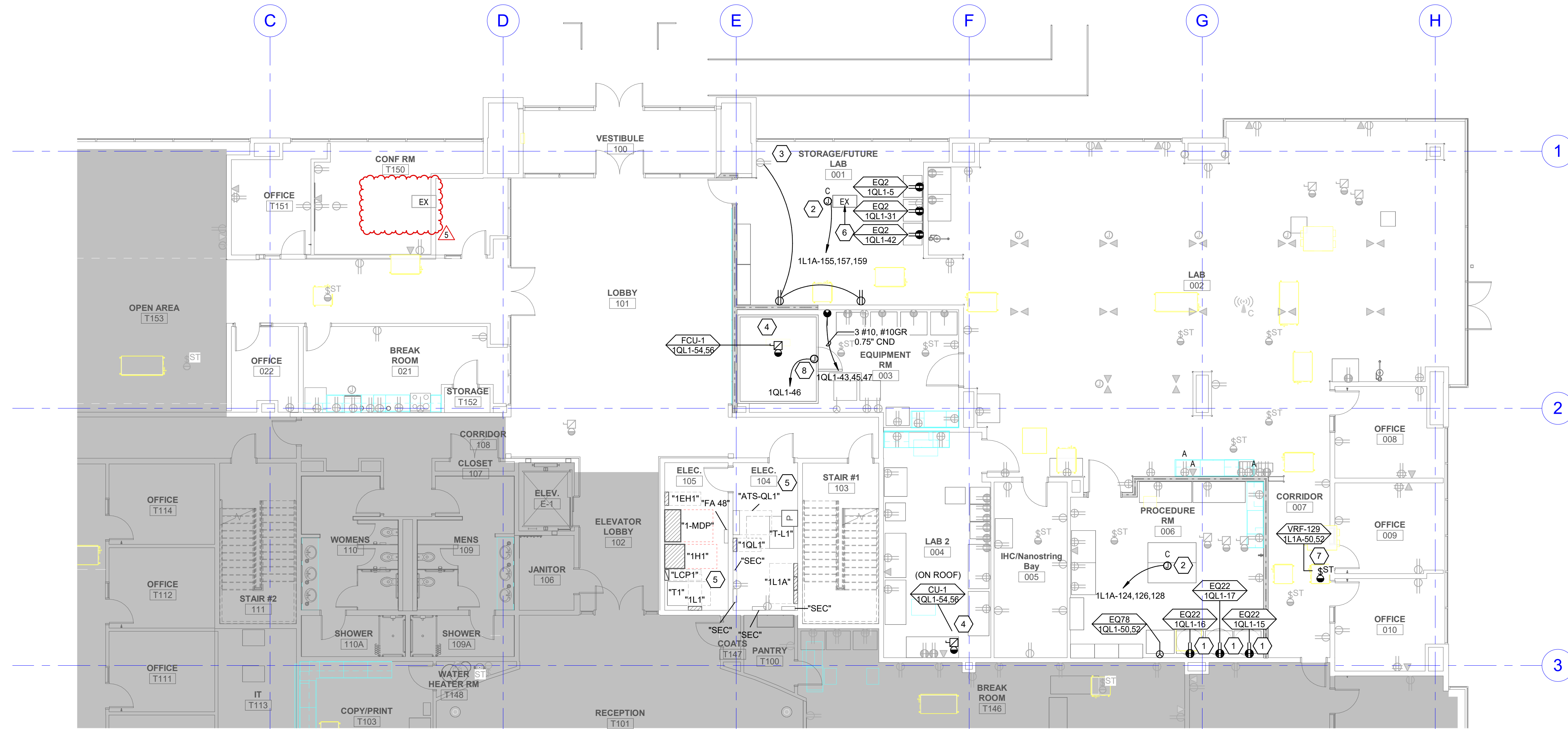
1. FIXTURES LABELED "(R)" ARE RELOCATED FIXTURES. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION. VERIFY OUTLET LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN AND CIRCUIT TO ORIGINAL EMERGENCY CIRCUIT AS INDICATED.
2. ELECTRICAL CEILING PANEL, MOUNTED FLUSH WITH CEILING TILES. SEE DETAIL/PHOTOGRAPH "C2" ON SHEET EE01. THE EXACT NUMBER OF SPECIALTY RECEPTACLES IS TO BE VERIFIED WITH THE OWNER PRIOR TO ROUGH-IN. VERIFY EXACT LOCATION WITH ARCHITECT/ OWNER PRIOR TO ROUGH-IN.
3. CIRCUIT WITH EXISTING DEVICE AS INDICATED.
4. VERIFY EXACT LOCATION OF MECHANICAL EQUIPMENT CONNECTIONS WITH MECHANICAL DRAWINGS.
5. ALL EQUIPMENT IN THIS ROOM IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
6. COORDINATE WITH GENERAL CONTRACTOR TO REMOVE FLOORBOX AND GRIND THE FLOOR AROUND THE FLOORBOX TO ALLOW THE COVER TO SIT FLUSH IN THE CONCRETE. PROTECT FLOORBOX DURING GRINDING AND WHILE FLOOR EPOXY IS BEING INSTALLED.
7. VRF IS TO BE VERIFIED WITH OWNER/ MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE POWER FOR COLD ROOM LIGHTING AND DOOR HEAT CONNECTIONS. VERIFY EXACT LOCATIONS WITH COLD ROOM MANUFACTURER/ INSTALLERS.



REV	DATE	DESCRIPTION
3	09/13/2021	ADDENDUM #05
4	10/27/2021	PR #01
5	11/02/2021	PR #02

VCBO NUMBER: 21560
CLIENT NUMBER:
DATE: 10/28/2021

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A1 LEVEL 1 POWER PLAN
SCALE: 1/8" = 1'-0"

SUMITOMO DAINIPPON PHARMA TI
FORGE COMPANIES
3900 TRAVERSE MOUNTAIN BLVD, SUITE 100, LEHI, UTAH 84043
CONFORMANCE SET

LEVEL 1 POWER PLAN

11/22/2021 4:43:38 PM
EP101