SHEET NOTES:

- A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.
- B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.

 C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT WIRING, CORD
- C. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD,
 DISCONNECT REQUIREMENTS.
 D. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY
- E. ELECTRICAL CONDUITS IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.LOCATIONS OF ELECTRICAL
- JUNCTION BOXES IN FINISHED SPACES SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN.

 F. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING
- EQUIPMENT.
 G. PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF
- J-BOXES TO BE DETERMINED BY CONTRACTOR.

 H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS

 AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE

 WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.
- PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.
 AT PORCHES, ROUTE FLOOR-MOUNTED CONDUIT BETWEEN STRUCTURAL DECK AND RAISED PAVERS. SECURE, SUPPORT, AND SLOPE CONDUIT PER CODE.

FOR THE NUMBERED NOTES

- RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.
 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.
 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT. REFER TO THE PANEL SCHEDULES FOR THE CIRCUITING REQUIREMENT OFF OF THE ELECTRICAL PANEL DEDICATED FOR
- OPTIONAL STAND-BY LOAD.

 4 RECEPTACLE NOTED IS TO BE BOCCI 22-SYSTEM FLUSH MOUNTED OUTLETS. SUPPLY AND INSTALL DEAD FRONT SELF-TEST GFCI SWITCH TO PROVIDE GROUND FAULT PROTECTION TO THE BOCCI 22-SYSTEM FLUSH MOUNTED OUTLETS. EXACT LOCATION OF
- THE DEAD FRONT SELF-TEST GFCI SWITCH IS TO BE CONFIRMED WITH INTERIOR DESIGNER PRIOR TO INSTALLATION.

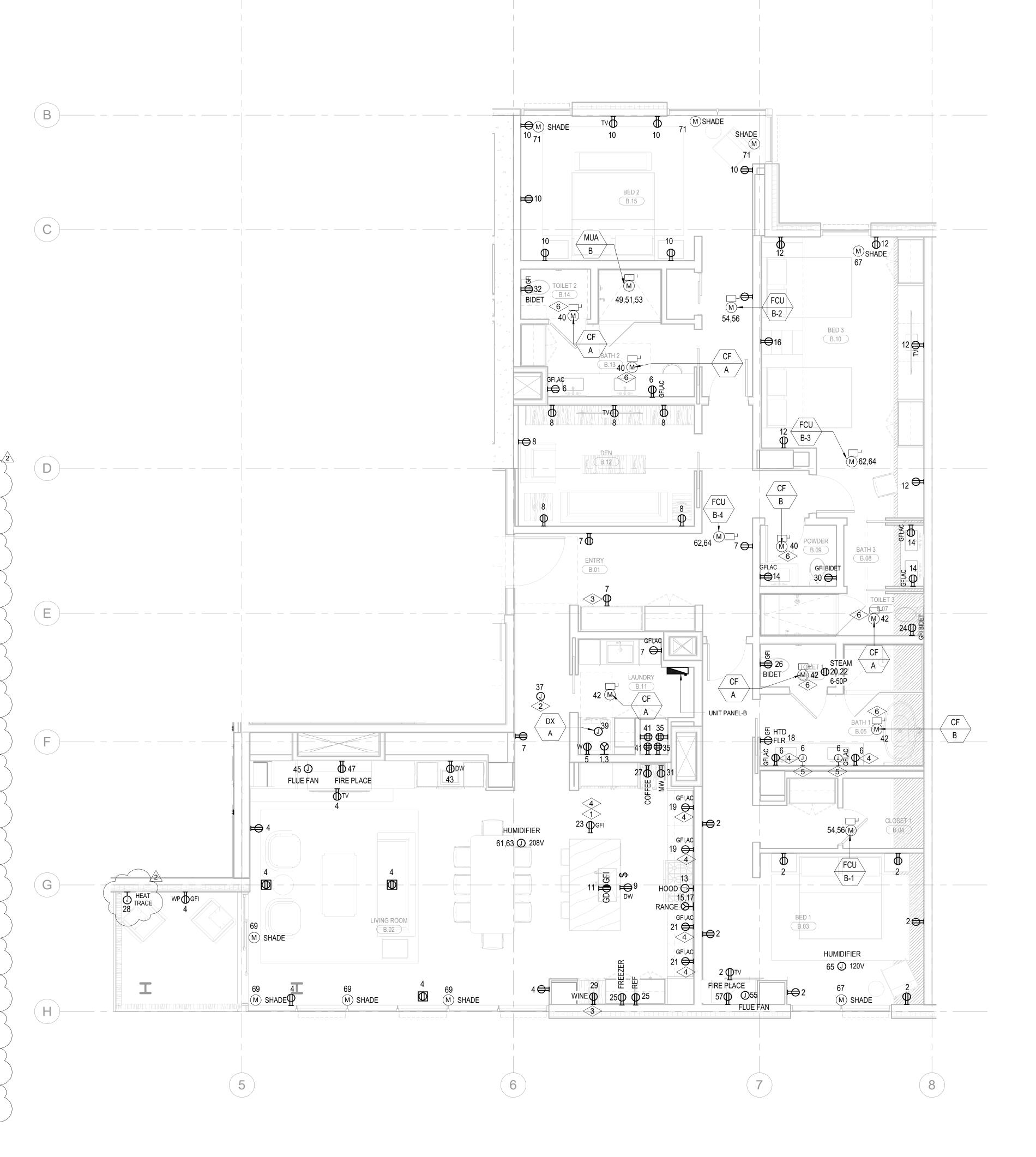
 5 SUPPLY AND INSTALL WALL MOUNTED J-BOX INSTALLATION OF IN-DRAWERS RECEPTACLES. IN-DRAWERS RECEPTACLES ARE TO BE CURRED AND INSTALLED BY OTHERS.
- BE SUPPLIED AND INSTALLED BY OTHERS.

 6 EXHAUST FANS NOTED ARE TO BE CONTROLLED BY THE LIGHT SWITCH LOCATED IN THE ROOM.

Unit	B 2,555	sq.ft.		
		VA/sq.ft.		
Load Descr		(or quantity)	VA	Total VA
1	General Lighting:			
	a. General lighting & receptacles	3	7,665	
	b. Small appliances (2 ckt.)	3	4,500	
	c Laundry circuit	1 _	1,500	
	Total		13,665	13,66
			22.245	
2	Fixed Appliances:		29,945	29,94
3	Cooking (Electric)	1	8,000	8,00
4	Clothes Dryer:	1	5,000	5,00
5	HVAC			
	a. FCU	4	3,400	
	b. BATHROOM EF	7	350	
	c. 0	-	-	
	d. 0	-	-	
	e. 0	-	-	
	f. 0	-	-	
	g. MUA (Large)	1	16,000	
	h. MUA (Small)	-	-	
	i	-	-	
	j	-	-	
	k. 0	-	-	
	I. Watts per square foot		-	
	Total		19,750	19,75
Total Load:				76,36
Application	of Demand Factor: (NEC 220-82)		<u> </u>	
1	First 10KVA at 100%			10,00
2	Remaining Load at 40%			18,64
3	Air Conditioning at 100%			19,75
Total Load:				48,39
Total amp a	t 208V, 3 phase			13

2 UNIT LOAD CALCULATION - UNIT B
SCALE: NTS

BRANCH PANEL: UNIT PANE Location: LAUNDRY B.11 Main Bus: 400 A MCB: 250 A Voltage: 120/208 Wye AIC Rating:						В	Fed From: Wires: Enclosure: Bus Type: Mounting:			Neutral Bus: Ground Bus: Isolated Ground Bus: 200% Neutral: Feed Through Lugs:						
СКТ	Circuit Description	Load Classificati on	Trip	Poles		Α		В			Poles	Trip	Load Classificati on		cuit Description	
1	DRYER	RCPTS	30 A	2	2080	1440					1	20 A	RCPTS	RCPTS B	BED 1 B.03	
3 5	 WASHER	 RCPTS	20 A	1			2080	1440	180 VA	1090	1	20 A 20 A	RCPTS RCPTS		IVING ROOM B.02 BATH 1&2 B.05,B.13	
7	RCPTS LAUNDRY	RCPTS	20 A	1	900 VA	1080			100 VA	1000	1	20 A	RCPTS	RCPTS D		
9	DISHWASH	RCPTS	20 A	1	555 V/ (. 550	180 VA	1260			1	20 A	RCPTS		BED 2 B.15	
11	GARBAGE DIPOSAL	RCPTS	20 A	1					180 VA	900 VA	1	20 A	RCPTS	RCPTS B	BED 3 B.10	
13	HOOD	Other	20 A	1	500 VA	540 VA					1	20 A	RCPTS		BAT 3 B.08	
15	RANGE	RCPTS	50 A	2			4160	180 VA			1	20 A	RCPTS		BED 3 B.10	_
17	PODTO LINANO DO CALA CA	 DODTS			000111	4400			4160	180 VA		20 A	RCPTS	HTD FLR		_
19	RCPTS LIVING ROOM B.02 RCPTS LIVING ROOM B.02	RCPTS RCPTS	20 A	1	360 VA	4160	260 \/^	1160			2	50 A	Power	STEAM		
21	RCPTS LIVING ROOM B.02	RCPTS	20 A 20 A	1			360 VA	4 100	180 \/^	180 VA	1	20 A	RCPTS	RCPTS		
25	FREEZER, REF	RCPTS	20 A	1	360 VA	180 VA			100 VA	100 VA	1	20 A	RCPTS	BIDET		_
27	COFFEE	RCPTS	20 A	1	233 V/4			500 VA			1	20 A	Other	HEAT TR	ACE	
29	WINE FRIDGE	RCPTS	20 A	1						180 VA	1	20 A	RCPTS	BIDET		
31	MW	RCPTS	20 A	1	180 VA	180 VA					1	20 A	RCPTS	BIDET		
33	SPARE	 DODTO	20 A	1			0 VA	0 VA			1	20 A		SPARE		_
35	RCPTS LAUNDRY	RCPTS	20 A	1	500 \ / 4	0.1/4			360 VA	0 VA	1	20 A		SPARE		
37 39	JB FOR FA DX-A	MISC HEAT	20 A 20 A	1	500 VA	0 VA	500 VA	1500			1	20 A 20 A	HVAC	SPARE CF-A		
41	RCPTS LAUNDRY	RCPTS	20 A	1			300 VA	1300	360 VA	2000	1	20 A	HVAC	CF-A		-
43	RCPTS DW	RCPTS	20 A	1	180 VA	0 VA			222 4/1		1	20 A		SPARE		_
45	FLUE FAN	HEAT	20 A	1			500 VA	0 VA			1	20 A		SPARE		_
47	FIRE PLACE	RCPTS	20 A	1					180 VA	0 VA	1	20 A		SPARE		_
49	MUA-B	MTRS	60 A	3	5000	0 VA	E000	0.144			1	20 A		SPARE		_
51 53							5000	0 VA	5000	500 VA	2	20 A 20 A	HVAC	SPARE FCU-B-1		
55	FLUE FAN	HEAT	20 A	1	500 VA	500 VA			5500	300 VA						
57	FIRE PLACE	RCPTS	20 A	1				0 VA			1	20 A		SPARE		_
59	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE		
61	HEAT	HEAT	20 A	2	250 VA	500 VA		E00.1/4			2	20 A	HVAC	FCU-B-3		
63 65	HEAT	HEAT	20 A	1			∠50 VA	500 VA	500 VA	1500	1	20 A		LIGHTING	<u> </u>	_
67	SHADE	RCPTS	20 A	1	1000	1500			550 VA	1000	1	20 A		LIGHTING		_
69	SHADE	RCPTS	20 A	1	. 555	. 550	2000	1500			1	20 A		LIGHTING		_
71	SHADE	RCPTS	20 A	1					1500	0 VA	1	20 A		SPARE		
73	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE		
75 77	SPARE	-	20 A	1			0 VA	0 VA	0.1/4	0.1/4	1	20 A		SPARE		
77 79	SPARE SPARE		20 A 20 A	1	0 VA	0 VA			0 VA	0 VA	1	20 A 20 A		SPARE SPARE		_
81	SPARE		20 A	1	3 77	J VA	0 VA	0 VA			1	20 A		SPARE		
83	SPARE		20 A						0 VA	0 VA	1	20 A		SPARE		
			Total A	Load: Amps:	18	90 VA 6 A	22	30 VA 4 A	16	00 VA 1 A						
	Classification				d Load		mand F			ated Der	mand			Panel	Totals	_
Other	•			1000 \						000 VA					07005:::	
RCPT				30300						0150 VA					67620 VA	
Spare				4500 \						500 VA					57470 VA	_
	MTRS		15000 VA						15000 VA		Total Conn.:					
HEAT				2500 \						2500 VA			rotal Est.	Demand:	160 A	
MISC				500 V						500 VA						_
Power				8320 \						320 VA						
HVAC				5500 \	/A				5	500 VA						
Notes																
*See [Demand Factor Table															





159 South Jackson St, Suite 600 Seattle, Washington 98104 USA +1 206 624 5670 olsonkundig.com

Olson Kundig

ASPEN GROUP

Aspen Group USA, LLC
PO Box 980022
Park City, Utah 84098

Pool Consultant
Cloward H20
2696 N University Ave, Suite 290
Provo, UT 84604

Landscape Architect
EPG Design
6949 South High Tech Drive, Suite 100
Midvale, Utah 84047
Specifications Writer

Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT

Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104

Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite 305C
Westborough, MA 01581

Vertical Transportation Consulatant
Lerch Bates
19515 North Creek Parkway, Suite 304
Bothell, WA 98011

Structural Engineer

Magnusson Klemencic Associates
1301 5th Ave, Suite 3200
Seattle, WA 98101

<u>Lighting Designer</u> **O-**

1319 SE MLK Blvd, Suite 210
Portland, Oregon 97219

Building Envelope Consultant
RDH
2101 N 34th St

2101 N 34th St Seattle, WA 98103

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154

principal architect_____

2 5/31/2024 IFC 3

IFC Set 3 of 3 5/31/2024

TOWER A/B ELECTRICAL POWER PLAN - UNIT B

E2.4.B

1 TOWER A/B - ELECTRICAL PLAN - UNIT B

SCALE: 1/4" = 1'-0"