

A
0

1

2

3

B

C

D

E

Panel: HA		Voltage: 277/480 volt, 3 phase, 4 wire			
Location: Electrical Room		Bus: 250 A			
Mounting: Surface		Mains: Sub-Feed Lugs			
Fed From: MDP		AIC rating: 22 KAIC			
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EQUIPMENT CONNECTION SCHEDULE													
Designation	Description	Voltage	Ph	Load	Kw/Hp/Amp	MOCP	Panel	Circuit	Qty	Feeder (CU ONLY) Size	Conduit	Notes	Voltage Drop Dist VD%
ERV-1	Energy Recovery Vent	480	3	15	MCA	20	HA	31.33.35.	1	3#12, 1#12G	3/4"	1	122 0.9%
ERV-1	Electric Duct heater	480	3	14	MCA	15	HA	37.39.41.	1	3#12, 1#12G	3/4"	1	122 1.2%
HP-1	Heat Pump (Roof)	480	3	21.7	MCA	25	HA	32.34.36.	1	3#12, 1#12G	3/4"	1	108 1.1%
BS-1	BAS	208	1	1.0	MCA	15	LB	6.8.	1	2#12, 1#12G	3/4"	1	168 0.3%
FC-1	Fan Coil	208	1	1.8	MCA	15	LB	2.4.	1	2#12, 1#12G	3/4"	1	158 0.6%
FC-2	Fan Coil	208	1	0.8	MCA	15	LB	6.8.	1	2#12, 1#12G	3/4"	1	157 0.2%
FC-3	Fan Coil	208	1	0.6	MCA	15	LB	10.12.	1	2#12, 1#12G	3/4"	1	131 0.1%
FC-4	Fan Coil	208	1	0.6	MCA	15	LB	10.12.	1	2#12, 1#12G	3/4"	1	103 0.1%
FC-5	Fan Coil	208	1	0.6	MCA	15	LB	14.16.	1	2#12, 1#12G	3/4"	1	100 0.1%
FC-6	Fan Coil	208	1	0.6	MCA	15	LB	14.16.	1	2#12, 1#12G	3/4"	1	72 0.1%
FC-7	Fan Coil	208	1	3.3	MCA	15	LB	18.19.	1	2#12, 1#12G	3/4"	1	36 0.2%
FC-8	Fan Coil	208	1	3.3	MCA	15	LB	18.19.	1	2#12, 1#12G	3/4"	1	75 0.5%
FC-9	Fan Coil	208	1	3.3	MCA	15	LB	2.4.	1	2#12, 1#12G	3/4"	1	145 0.9%
VAV-1	VAV (124)	120	1	2	MCA	15	LB	17	1	2#12, 1#12G	3/4"	1	101 0.7%
VAV-2	VAV (125)	120	1	2	MCA	15	LB	17	1	2#12, 1#12G	3/4"	1	91 1.2%
VAV-3	VAV (122)	120	1	2	MCA	15	LB	19	1	2#12, 1#12G	3/4"	1	85 0.9%
VAV-4	VAV (123)	120	1	2	MCA	15	LB	17	1	2#12, 1#12G	3/4"	1	95 1.9%
VAV-5	VAV (118)	120	1	2	MCA	15	LB	19	1	2#12, 1#12G	3/4"	1	57 1.2%
CU-1	Split System	208	1	16.6	MCA	20	LB	23.25.	1	2#8, 1#10G	3/4"	1	160 2.8%
FCU-1		208	1	1	FLA				1	4#10, 1#10G	3/4"	2	
CU-2	Split System	208	1	12.4	MCA	15	LB	27.29.	1	2#10, 1#10G	3/4"	1	148 1.9%
FCU-2		208	1	1	FLA				1	4#12, 1#12G	3/4"	2	
CU-3	Split System	208	1	12.4	MCA	15	LB	31.33.	1	2#12, 1#12G	3/4"	1	30 0.9%
FCU-3		208	1	1	FLA				1	4#12, 1#12G	3/4"	2	
HD	Hand Dryer	208	1	2.4	Kw		LB	5.7.	1	2#12, 1#12G	3/4"	1	100 2.2%
HD	Hand Dryer	208	1	2.4	Kw		LB	9.11.	1	2#12, 1#12G	3/4"	1	100 2.2%
HD	Hand Dryer	208	1	2.4	Kw		LB	13.15.	1	2#12, 1#12G	3/4"	1	110 2.4%
IDF	IDF	120	1	1.6	Kw		LA	30	1	2#8, 1#8G	3/4"	1	154 2.8%
IDF	IDF	120	1	1.6	Kw		LA	32	1	2#8, 1#8G	3/4"	1	154 2.8%
WH-1	Water Heater - 1	480	3	32	Kw	40	HA	26.28.30.	1	3#8, 1#8G	3/4"	1	155 2.5%
HWRP-1	Hot Water Recirc Pump	120	1	1/6	HP	15	LB	21	1	3#12, 1#12G	3/4"	1	155 1.1%

General Notes :

- 1 Provide conduit for all feeders, size as required per the current adopted edition of the NEC for conductors shown. Route from EV to panel designated
- 2 Coordinate exact locations and equipment connections with equipment installer and other trades prior to rough-in
- 3 Coordinate electrical requirements and installation with equipment supplier prior to rough-in
- 4 Provide insulated ground wire in all conduits not shown in conductor quantity
- 5 Electrical contractor to verify voltage drop for actual lengths installed
- 6 Voltage drop calculated at <3%, verify with equipment supplier

Schedule Notes :

- 1 Provide Fused Disconnect Switch for mechanical equipment. Coordinate location with equipment installer. Disconnect will be independently mounted from equipment. WP for Rooftop Units.
- 2 Fan Coil unit is electrically connected through the outdoor unit. Coordinate with mechanical contractor for power & control conductors required

Panel: LA		Electrical Room		Voltage: 120/208 volt, 3 phase, 4 wire	
Location: Surface		Bus: 250 A			
Mounting: Fed From: HA		Mains: Main Breaker 250A			
		AIC rating: 22 KAIC			
		A		B	
		C		C	
Service		P	Amps	Watts	Watts
1 R - Meeting		1	20	900	
3 R - Directors		1	20		720
5 R - Reception		1	20		1260
7 R - Vestibule		1	20	900	
9 R - Therapist		1	20		720
11 R - Therapist		1	20		720
13 R - Therapist		1	20	900	
15 R - Therapist		1	20		900
17 R - Therapist		1	20		900
19 R - Therapist		1	20	900	
21 R - Pantry		1	20		900
23 R - Ref		1	20		500
25 R - Pantry		1	20	180	
27 R - Pantry		1	20		180
29 Spare		1	20		
31 Spare		1	20		
33 Spare		1	20		
35 Spare		1	20		
37 Spare		1	20		
39 Spare		1	20		
41 Spare		1	20		

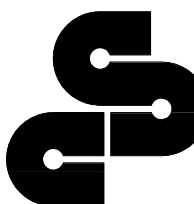
* NOTE: PROVIDE FEED THRU LUGS

Panel: LB		Voltage: 120/208 volt, 3 phase, 4 wire			
Location: Electrical Room		Bus: 250 A			
Mounting: Surface		Mains: MLO			
Fed From: LA		AIC rating: 22 KAIC			
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GENERAL NOTES:

1. PANEL BOARD SUBMITTALS WILL MATCH DESIGN DRAWINGS LAYOUT OF CIRCUIT BREAKERS OR THE SUBMITTALS WILL BE REJECTED.
2. ELECTRICAL DEDICATED SPACES: NO PIPING, DUCTS, EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.

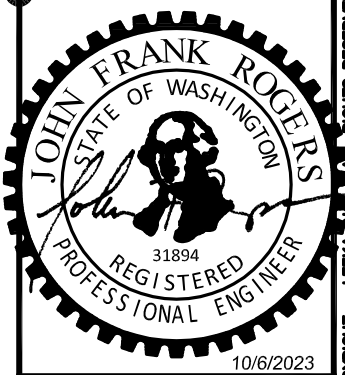
HA	LA
EQUI SCHEDULE	LB



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REVISED

4:13 pm, Oct 06, 2023



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**Tenant Improvement
ESD112
Mental Health Facility Phase II**
2400 NE 65th Ave. Vancouver WA.

Revised:

PKR-01	DATE: AUG. 10, 2023
APPLICANT EDITS	DATE: AUG. 17, 2023
APPLICANT EDITS	DATE: SEPT. 22, 2023
APPLICANT EDITS	DATE: OCT. 03, 2023