



EXPIRES: July 6th, 2020

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 PROJECT # 2017-053
DATE: 11/06/2019

REVISIONS

- △ PLAN REVIEW 01.24.2020
- △ PLAN REVIEW 03.13.2020
- △ PLAN REVIEW 04.24.2020
- △ PLAN REVIEW 08.10.2020
- △ PLAN REVIEW 09.17.2020
- △ PLAN REVIEW 10.16.2020
- △ PLAN REVIEW 11.25.2020
- △ PLAN REVIEW 03.26.2021
- △ PLAN REVIEW 07.15.2021
- △ COORDINATION 08.27.2021
- △ COORDINATION 11.05.2021
- △ COORDINATION 12.10.2021
- △ COORDINATION 03.03.2022

AEGIS

MIXED-USE DEVELOPMENT

 312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

SHEET:

E1.16

MFIA PANEL SCHEDULE											
panel		mounting SURFACE		location BLDG 'B'				connected load amps			
E1		3		2nd Flr Rm 292				58			
voltage		phase		bus & main				calculated load amps			
120/208V		3		100A SCCR: 22K) MLO				61			
service		va	a/p	no.	a b c	no.	a/p	va	service		
C	SPARE	0	20/1	1	*	2	20/1	1500	SMOKE DAMPERS - FLR 1 & 2		
1	LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	1500	SMOKE DAMPERS - FLR 3 & 4		
1	LIGHTS - STAIR 1	500	20/1	5	*	6	20/1	1500	SMOKE DAMPERS - FLR 5 & 6		
1	LIGHTS - STAIR 2	500	20/1	7	*	8	20/1	1500	ELEVATOR PIT LITS & PLUGS		
1	LIGHTS - FLR 1	673	20/1	9	*	10	20/1	1500	ELEVATOR CAD LIGHTS		
1	LIGHTS - FLR 2 & 3	424	20/1	11	*	12	20/1	1500	ELEVATOR CONTROLLER (OPT)		
1	LIGHTS - FLR 4 & 5	424	20/1	13	*	14	20/1	0	SPARE		
1	LIGHTS - FLR 6	212	20/1	15	*	16	20/1	1176	SP-1 (ELEVATOR PIT)		
5	SMOKE CURTAIN	1500	20/1	17	*	18	20/1	500	GENERATOR BLOCK HEATER		
5	SMOKE CURTAIN	1500	20/1	19	*	20	20/1	500	GENERATOR BATTERY CHARGER		
5	AREA OF REFUGE PANEL	1500	20/1	21	*	22	20/1	500	RECEPT - ELEV MACHINE RM		
5	FACP	500	20/1	23	*	24	20/1	0	SPARE		
5	DAS	500	20/1	25	*	26	20/1	0	SPARE		
5	GENERATOR ANNUNCIATOR	500	20/1	27	*	28	20/1	0	SPARE		
	BLANK			29	*	30			BLANK		
	BLANK			31	*	32			BLANK		
	BLANK			33	*	34			BLANK		
	BLANK			35	*	36			BLANK		
	BLANK			37	*	38			BLANK		
	BLANK			39	*	40			BLANK		
	BLANK			41	*	42			BLANK		
Phase A		6424 VA		NOTES:				line-line voltage			
Phase B		8061 VA						208			
Phase C		6424 VA						largest motor (va)			
Total Connected		20909 VA						0			
load code:		ph. A	ph. B	ph. C	total	factor	calculated load (va)				
1. LIGHTS=		924	2885	924	VA	4733	1.25	5916			
2. RECEPT.=		1500	500	0	VA	2000	1 + 0.5	2000			
3. HEATING=		0	0	500	VA	500	1.00	500			
4. KITCHEN=		0	0	0	VA	0	1.00	0			
5. EQUIP.=		4000	3500	5000	VA	12500	1.00	12500			
6. MOTORS=		0	1176	0	VA	1176	*	1176			
7. MISC=		0	0	0	VA	0	1.00	0			
(* 125% of the largest motor + 100% of the balance)						TOTAL =		22092			

MFIA PANEL SCHEDULE											
panel		mounting		location BLDG 'B'				connected load amps			
H1		SURFACE		FLR 1 RM 198				86			
voltage		phase		bus & main				calculated load amps			
120/208V		3		250A (SCCR: 22K) MLO				83			
C	service	va	a/p	no.	a b c	no.	a/p	va	service	C	
	1 LIGHTS - SITE/PARKING	1440	20/1	1	*	2	20/1	900	RECEPT - FLR 1	2	
	1 LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	900	RECEPT - FLR 1 (E. LOBBY)	2	
	1 LIGHTS - FLR 1 (LOBBY)	1032	20/1	5	*	6	20/1	1500	**RECEPT - FLR 1 (OFFICE)	2	
	1 LIGHTS - FLR 1 (CORRIDOR)	241	20/1	7	*	8	20/1	1500	RECEPT - FLR 1 (OFFICE)	2	
	1 LIGHTS - FLR 1 (BOH)	1169	20/1	9	*	10	20/1	1080	RECEPT - FLR 1	2	
	1 LIGHTS - UNIT ENTRIES	500	20/1	11	*	12	20/1	1080	RECEPT - FLR 1	2	
	1 LIGHTS - FLR 2 & 3 (BOH)	698	20/1	13	*	14	20/1	1260	RECEPT - FLR 1 (W. LOBBY)	2	
	1 LIGHTS - FLR 2 & 3 (CORRIDOR)	370	20/1	15	*	16	20/1	1500	BUILDING SIGNS	5	
	5 WIFI SYSTEM	500	20/1	17	*	18	20/1	1500	DRINKING FOUNTAINS	5	
	5 UNIT ENTRY SYSTEM	1500	20/1	19	*	20	20/1	1500	RECEPT - MAINT. RM	2	
	2 RECEPT - FLR 2	1080	20/1	21	*	22	20/1	1500	RECEPT - SECURITY	2	
	2 RECEPT - FLR 3	1080	20/1	23	*	24	20/1	1500	RECEPT - FLR 1 (PKG SYSTEM)	2	
	3 EH-2 (N. STAIR)	500	20/1	25	*	26	20/1	0	SPARE		
	3 EH-2 (S. STAIR)	500	20/1	27	*	28	20/1	0	SPARE		
	3 EH-4 (RISER)	500	20/1	29	*	30	20/1	0	SPARE		
	5 A/V SYSTEM	1500	20/1	31	*	32	20/1	0	SPARE		
	5 FIREPLACE	500	20/1	33	*	34	20/1	0	SPARE		
	5 DAS SYSTEM	1500	20/1	35	*	36	20/1	0	SPARE		
	BLANK			37	*	38			BLANK		
	BLANK			39	*	40			BLANK		
	BLANK			41	*	42			BLANK		
Phase A		11039 VA		NOTES:				line-line voltage			
Phase B		9099 VA		* RECEPTACLES CONTROLLED VIA				208			
Phase C		10692 VA		OCC SENSOR				largest motor (va)			
Total Connected		30830 VA						0			
load code:		ph. A	ph. B	ph. C	total	factor	calculated load (va)				
1. LIGHTS=		2379	2039	1532	VA	5950	1.25	7438			
2. RECEPT.=		5160	4560	5160	VA	14880	1 + 0.5	12440			
3. HEATING=		500	500	500	VA	1500	1.00	1500			
4. KITCHEN=		0	0	0	VA	0	1.00	0			
5. EQUIP.=		3000	2000	3500	VA	8500	1.00	8500			
6. MOTORS=		0	0	0	VA	0	*	0			
7. MISC=		0	0	0	VA	0	1.00	0			
(* 125% of the largest motor + 100% of the balance)						TOTAL =		28878			

MFIA PANEL SCHEDULE												
panel		mounting SURFACE			location BLDG 'B' ELECT. RM 198			connected load amps				
M1		phase 3			250A (SCCR: 22K) MLO			calculated load amps			178	
voltage 120/208V												
C		va	a/p	no.	a	b	c	no.	a/p	va	service	178
6	TRASH COMPACTOR	2100	40/3	1	*	*	*	2	50/3	3864	BP-1	6
6	*	2100	*	3	*	*	*	4	*	3864	*	6
6	*	2100	*	5	*	*	*	6	*	3864	*	6
6	TRASH COMPACTOR	2100	40/3	7	*	*	*	8	20/3	1356	FC-1	6
6	*	2100	*	9	*	*	*	10	*	1356	*	6
6	*	2100	*	11	*	*	*	12	*	1356	*	6
3	WH-1.2 (GAS)	600	20/1	13	*	*	*	14	20/1	600	WH-3.4 (GAS)	3
6	RP-1	1176	20/1	15	*	*	*	16	20/1	1176	RP-2	6
5	EV CHARGING (FUTURE)	40/2	17	*	*	*	*	18	20/1	500	IRRIGATION CONTROLS	5
5	*	40/2	*	19	*	*	*	20	20/1	1500	AUTO DOORS	5
5	EV CHARGING (FUTURE)	40/2	21	*	*	*	*	22	20/1	1000	PHONE & COMM BOARDS	5
5	*	40/2	*	23	*	*	*	24	20/1	500	ACCESS CONTROL	5
5	EV CHARGING (FUTURE)	40/2	25	*	*	*	*	26	20/3	1500	EH-5 (BIKE RM)	3
5	*	40/2	*	27	*	*	*	28	*	1500	*	3
2	RECEPT - DATA RM FLR 2	1500	20/1	29	*	*	*	30	*	1500	*	3
2	RECEPT - DATA RM FLR 2	1500	20/1	31	*	*	*	32	20/3	1500	EH-5 (TRASH RM)	3
	SPARE	20/1	33	*	*	*	*	34	*	1500	*	3
3	SP-1	6085	60/2	35	*	*	*	36	*	1500	*	3
3	*	6085	*	37	*	*	*	38	20/1	500	EF-4	6
3	EH-3 (TEMP)	1500	20/2	39	*	*	*	40	20/1	1500	BUILDING SIGNS	5
3	*	1500	*	41	*	*	*	42	20/1	0	SPARE	
Phase A												
Phase B												
Phase C												
Total Connected												
load code:												
1. LIGHTS=												
2. RECEPT.=												
3. HEATING=												
4. KITCHEN=												
5. EQUIP.=												
6. MOTOR=												
7. MISCE=												
(* 125% of the largest motor + 100% of the balance)												
TOTAL =												