

Aegis I - Bldg B Main distribution Center "MDP-B"						
LOAD	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS
PANEL H1	7,438	12,440	1,500	0	8,500	0
PANEL M1/M2	1,047	4,320	25,370		500	99,551
PANEL E1	7,280	1,500	500		11,000	2,352
PANEL M3	13,250	32,184			7,500	18,720
Elevator 1 (15hp)						17,388
Elevator 2 (15hp)						17,388
Residential Meters (MC-B1)				336,000		
Residential Meters (MC-B2)				352,000		
SUBTOTAL	15,765	31,510	59,554	688,000	27,500	155,399
X-FACTOR	1.25	1 + 5	1	1	1	0.25
CODE LOAD	19,706	20,755	59,554	688,000	27,500	155,399

CONN LOAD:	995	KVA
VOLTS:	208	3ph
TOTAL CALC:	975	KVA
CALC AMPS:	2707	AMPS

Aegis I - Bldg B Emergency Distribution Panel "EDP-B"						
LOAD	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS
Panel E1	4,733	1,500	500	0	11,000	2,352
Elevator 1 (15hp)						17,388
Elevator 2 (15hp)						17,388
SUBTOTAL	4,733	1,500	500	0	11,000	37,128
X-FACTOR	1.25	1 + 5	1	1	1	0.25
CODE LOAD:	5,916	1,500	500	0	11,000	37,128

CONN LOAD:	72	KVA
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VOLTS:	208	3ph
TOTAL CALC:	60	KVA
CALC AMPS:	168	AMPS

NOTE: BASED ON TOTAL CONNECTED LOAD, AND ESTIMATED LOAD FOR THE LEAST SPACE, THIS SERVICE PANEL IS AT FULL CAPACITY. NO ADDITIONAL LOADS SHALL BE CONNECTED WITHOUT COMPLETE REVIEW OF THE CONNECTED LOAD AS INSTALLED BY THE CONTRACTOR.

Aegis I - Bldg A & B Generator Load Summary						
LOAD	LIGHTS	RECEPT	HEAT	MISC	EQUIP	MOTORS
Panel EDP-Bldg A				42,000		
Panel EDP-Bldg B				60,000		
SUBTOTAL	0	0	0	102,000	0	0
X-FACTOR	1.25	1 + 5	1	1	1	0.25
CODE LOAD:	0	0	0	102,000	0	0

CONN LOAD:	102	KVA
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VOLTS:	208	3ph
TOTAL CALC:	102	KVA
CALC AMPS:	283	AMPS

Aegis I - Bldg B RESIDENTIAL LOAD SUMMARY 'MC-B1'													
UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING GAS (CONNECTED)	MICROWAVE (CONNECTED)
	Lv 1	Lv 2	Lv 3	Lv 4	Lv 5	Lv 6							
Studio	0	2	2	2	2	2	10	540	1620	3000	1500	8000	1500
1bed/1bath	0	4	4	4	4	4	20	750	2250	3000	1500	8000	1500
2bed/2bath	0	3	3	3	3	3	15	985	2955	3000	1500	8000	1500
TOTALS:	0	9	9	9	9	9	45	35175	105525	135000	67500	360000	67500

VOLTS: 208 3ph
TOTAL CONNECTED: 1244 KVA
DEMAND FACTOR: 0.27
TOTAL CALCULATED: 336 KVA
CALCULATED AMPS: 932
NOTE: Based on Total Number of Residential Units = 43-45 (See N.E.C. Article: 220.84)

Aegis I - Bldg B RESIDENTIAL LOAD SUMMARY 'MC-B2'													
UNIT TYPE:	QTY PER FLOOR						TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING GAS (CONNECTED)	MICROWAVE (CONNECTED)
	Lv 1	Lv 2	Lv 3	Lv 4	Lv 5	Lv 6							
Studio	3	2	2	2	2	2	13	540	1620	3000	1500	8000	1500
1bed/1bath	2	5	5	5	5	5	27	750	2250	3000	1500	8000	1500
2bed/2bath	2	2	2	2	2	2	12	985	2955	3000	1500	8000	1500
TOTALS:	7	9	9	9	9	9	52	39090	117270	156000	78000	416000	78000

VOLTS: 208 3ph
TOTAL CONNECTED: 1409 KVA
DEMAND FACTOR: 0.25
TOTAL CALCULATED: 352 KVA
CALCULATED AMPS: 978
NOTE: Based on Total Number of Residential Units = 51-55 (See N.E.C. Article: 220.84)

BUILDING 'B' LOAD SUMMARY & EQUIPMENT SCHEDULE

1
E1.15
SCALE: NONE

BUILDING 'B' MECHANICAL EQUIPMENT SCHEDULE

NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
BS-1	BRANCH SELECTOR BOX NO.1		208	1	0.5 MCA	1/2"	#12	#12	SEE UNIT PLANS
EF-1	EXHAUST FAN NO.1	9.9HP	120	1		1/2"	#12	#12	SEE UNIT PLANS
EF-2	EXHAUST FAN NO.2	10.8HP	120	1		1/2"	#12	#12	SEE UNIT PLANS
EF-3	EXHAUST FAN NO.3	8.2HP	120	1		1/2"	#12	#12	SEE E3.01
EF-4	EXHAUST FAN NO. 4	135W	120	1		1/2"	#12	#12	M1-21
EF-5	EXHAUST FAN NO.5	1/10HP	120	1		1/2"	#12	#12	M1-32,34,36
EF-6	EXHAUST FAN NO.6	1/4HP	120	1		1/2"	#12	#12	M2-5
EF-7	EXHAUST FAN NO.7	57W	120	1		1/2"	#12	#12	M2-32
EF-8	EXHAUST FAN NO.8	1/2HP	120	1		1/2"	#12	#12	M2-25
EF-9	EXHAUST FAN NO.9	3/4HP	120	1		1/2"	#12	#12	M2-27,29
EF-10	EXHAUST FAN NO.10	1/2HP	120	1		1/2"	#12	#12	M2-31
EF-11	EXHAUST FAN NO.11	1/2HP	120	1		1/2"	#12	#12	M2-33
EF-12	EXHAUST FAN NO.12	3/4HP	120	1		1/2"	#12	#12	M2-26,28
EF-13	EXHAUST FAN NO.13	1/2HP	120	1		1/2"	#12	#12	M2-30
EH-1	ELECTRIC WALL HEATER NO.1	1.5 KW	208	1		1/2"	#12	#12	SEE UNIT PLANS
EH-2	ELECTRIC WALL HEATER NO.2	500W	120	1		1/2"	#12	#12	SEE E3.01
EH-3	ELECTRIC WALL HEATER NO.3	3.0 KW	208	1		1/2"	#12	#12	SEE E3.01
EH-4	ELECTRIC WALL HEATER NO.4	500W	208	1		1/2"	#12	#12	H1-26
EH-5	ELECTRIC WALL HEATER NO.5	3.0 KW	208	1		1/2"	#12	#12	SEE E3.01
EH-6	ELECTRIC WALL HEATER NO.6	2.0 KW	120	1		1/2"	#12	#12	SEE UNIT PLANS
FC-1	FAN COIL UNIT NO.1	11.3KW	208	3		1/2"	#12	#12	M1-8,10,12
HP-1	HEAT PUMP NO.1		208	3	31.4MCA	3/4"	#6	#10	M2-14,16,18
FC-2	FAN COIL UNIT NO.2		208	3	44.7MCA	1"	#6	#10	H2-15,17,19
HP-2	HEAT PUMP NO.2		208	3	26.0MCA	3/4"	#8	#10	H2-20,22,24
FC-3	FAN COIL UNIT NO.3		208	3	44.7MCA	1"	#6	#10	H2-21,23,25
HP-3	HEAT PUMP NO.3		208	3	26.0MCA	3/4"	#6	#10	H2-26,28,30
IAC-1	MINI SPLIT SYST NO.1 (INDOOR)								
OAC-1	MINI SPLIT SYST NO.1 (OUTDOOR)		208	1	28.0 MCA	1/2"	#10	#10	M2-7,9
IAC-2	MINI SPLIT SYST NO.2 (INDOOR)								
OAC-2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	28.0 MCA	1/2'	#10	#10	M2-8,10
IHP-1	MINI SPLIT SYST NO.1 (INDOOR) (A & B)								
OHP-1	MINI SPLIT SYST NO.1 (OUTDOOR)		208	1	25.0 MCA	3/4"	#8	#10	SEE UNIT PLANS
IHP-2	MINI SPLIT SYST NO.2 (INDOOR) (A & B)								
OHP-2	MINI SPLIT SYST NO.2 (OUTDOOR)		208	1	18.7 MCA	1/2'	#12	#12	SEE UNIT PLANS
IHP-3	MINI SPLIT SYST NO.3 (INDOOR) (A & B)								
OHP-3	MINI SPLIT SYST NO.3 (OUTDOOR)		208	1	18.7 MCA	1/2'	#12	#12	SEE UNIT PLANS
IHP-4	MINI SPLIT SYST NO.4 (INDOOR)								
OHP-4	MINI SPLIT SYST NO.4 (OUTDOOR)		208	1	18.7 MCA	1/2'	#12	#12	SEE UNIT PLANS
IHP-5	MINI SPLIT SYST NO.5 (INDOOR)								
OHP-5	MINI SPLIT SYST NO.5 (OUTDOOR)		208	1	18.7 MCA	1/2"	#12	#12	SEE UNIT PLANS
RTU-1	AIR HANDLING UNIT NO.1		208	3	71.6MCA	1-1/4'	#2	#8	M2-1,3,5
RTU-2	AIR HANDLING UNIT NO.2		208	3	31.0 MCA	3/4'	#6	#10	M2-7,9,11
PTAC-1	THRU-WALL AC NO.1	3.5KW	208	1	10.6 MCA	1/2"	#12	#12	REFER TO UNIT PLANS
PTAC-2	THRU-WALL AC NO.2	3.5KW	208	1	12.1 MCA	1/2"	#10	#10	REFER TO UNIT PLANS
SF-1	SUPPLY FAN NO.1	12.2KW	208	1		1/2"	#12	#12	M1-35,37
SP-1	SUMP PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	E1-16
RP-1	RECIRC PUMP NO.1	1/2HP	120	1		1/2"	#12	#12	M1-15
RP-2	RECIRC PUMP NO.2	1/2HP	120	1		1/2"	#12	#12	M1-16
BP-1	BOOSTER PUMP NO.1	(2) 5HP	208	3		3/4"	#6	#10	M1-2,4,6
WH-1	WATER HEATER NO.1 (GAS)		120	1		1/2"	#12	#12	M1-13 (PC)
WH-2	WATER HEATER NO.2 (GAS)		120	1		1/2"	#12	#12	M1-13 (PC)
WH-3	WATER HEATER NO.3 (GAS)		120	1		1/2"	#12	#12	M1-14 (PC)
WH-4	WATER HEATER NO.4 (GAS)		120	1		1/2"	#12	#12	M1-14 (PC)

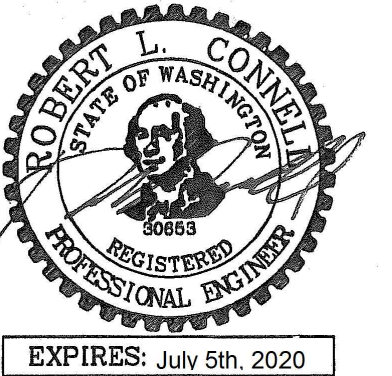
GENERAL EQUIPMENT NOTES:

- CONTRACTOR/DESIGNER SHALL VERIFY ALL MECHANICAL EQUIPMENT CONNECTION LOAD REQUIREMENTS WITH THE MECHANICAL EQUIPMENT PROVIDER PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SIZES SHOWN IN THE MECHANICAL SCHEDULE ABOVE ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL EQUIPMENT TO BE INSTALLED.

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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

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SHEET:

E1.15