



**RESPONSE TO
MUNICIPALITY OF ANCHORAGE
BUILDING SAFETY DIVISION'S
MECHANICAL COMMENTS**

Permit #: **C25-1332** Project Title: **Baxter Family Housing**

Reviewed By: **David Abuobaid** Date of Review: **4/8/25**

Review Number: Permit Manager: **C Kluever**

Engineer of Record: **Thomas C. Allen, P.E** License Number: **EE-9877**

Date of Response: **4/20/25**

Response to Comment #1:

No response required.

Response to Comment #2:

Agreed, There was an error with the excel spreadsheet link into this sheet. Please see attached revised E5.1 with revised panel schedules and required breaker attributes.

Response to Comment #3:

Agreed, Arc Current has been indicated on E4.1 and will be applied in the field as part of the construction process.

Response to Comment #4:

Non-Concur – The foot notes below each panel are for clarity only and serve as a legend for the actual footnotes next to any applicable circuit.

Response to Comment #5:

No response required.

End of Responses

0"

1"

PANEL H (BUILDING A)				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
1	20	1	REC - STORAGE & CONVENIENCE	540	720	REC - OFFICE	1 20 2
3	20	1	REC - UTILITY, HALL, SPRINKLER RM		540	1,500 REC - COFFEE	1 20 4
5	20	1	REC - UTILITY, CRAWLSPACES	540	180	REC - TOILET	1 20 6
7	20	1	REC - UNIT WALKWAYS & UNIT STORAGE		720	729 LTG - HOUSE SPACE	1 20 8
9	20	1	B-1	540	180	WSP-1, HWSP-1	1 20 10
11	20	1	BSP-1, BPP-1		516	426 LTG - SITE	1 20 12
13	20	1	EF-1, UH-1	500		SPARE	1 20 14
15	20	1	SPARE			SPARE	1 20 16
17	20	1	SPARE			SPARE	1 - 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
23	-	1	SPACE			SPACE	1 - 24
25	-	1	SPACE			SPACE	1 - 26
27	-	1	SPACE			SPACE	1 - 28
29	-	1	SPACE			SPACE	1 - 30
31	-	1	SPACE			SPACE	1 - 32
33	-	1	SPACE			SPACE	1 - 34
35	-	1	SPACE			SPACE	1 - 36
37	-	1	SPACE			SPACE	1 - 38
39	-	1	SPACE			TVSS	30 40
41	-	1	SPACE				2 42
CONNECTED LOAD (VA)				3,200	4,431	7,631 VA	
CONNECTED LOAD (AMPERES)				27	37	32 A	
DEMAND LOAD (VA) *				3,200	4,431	7,631 VA	
DEMAND LOAD (AMPERES) *				27	37	32 A	

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

PANEL H (BUILDINGS B & C)				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
1	20	1	REC - STORAGE & CONVENIENCE	540	1,080	REC - UNIT WALKWAYS & UNIT STORAGE	1 20 2
3	20	1	REC - UTILITY, HALL, SPRINKLER RM		540	525 LTG- HOUSE SPACE	1 20 4
5	20	1	REC - UTILITY, CRAWLSPACES	540	180	WSP-1, HWCP-1	1 20 6
7	20	1	B-1		540	500 EF-1, UH-1	1 20 8
9	20	1	BSP-1, BPP-1	516		SPARE	1 20 10
11	20	1	SPARE			SPARE	1 20 12
13	20	1	SPARE			SPACE	1 - 14
15	-	1	SPACE			SPACE	1 - 16
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23	-	1	SPACE			SPACE	1 - 24
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29	-	1	SPACE			SPACE	1 - 30
31	-	1	SPACE			SPACE	1 - 32
33	-	1	SPACE			SPACE	1 - 34
35	-	1	SPACE			SPACE	1 - 36
37	-	1	SPACE			SPACE	1 - 38
39	-	1	SPACE			TVSS	30 40
41	-	1	SPACE				2 42
CONNECTED LOAD (VA)				2,856	2,105	4,961 VA	
CONNECTED LOAD (AMPERES)				24	18	21 A	
DEMAND LOAD (VA) *				2,856	2,105	4,961 VA	
DEMAND LOAD (AMPERES) *				24	18	21 A	

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

LIGHTING FIXTURE SCHEDULE							
TYPE ID	MANUFACTURER MODEL NUMBER	FIXTURE DESCRIPTION	LAMP		LED		
			TYPE	QTY	LUMENS	WATTS	HEIGHT
A	JUNO LIGHTING #JSF-7IN 10LM-30K-90CRI-MVOLT-WH	SLIM FORM SURFACE MOUNT WITH 7" DIAMETER, 3000K COLOR TEMPERATURE, AND WHITE FINISH.	LED		1,000	13	SURFACE CEILING
					78	lm/w	
B	JUNO LIGHTING #JSF-13IN 18LM-30K-90CRI-MVOLT-WH	SLIM FORM SURFACE MOUNT WITH 13" DIAMETER, 3000K COLOR TEMPERATURE, AND WHITE FINISH.	LED		1,800	20	SURFACE CEILING
					90	lm/w	
C	LITHONIA LIGHTING #CPANL-1X4-AL01-SWW7-M4 #DCMK-14	1'X4' FLAT PANEL LED WITH SWITCHABLE LUMEN OUTPUT, SWITCHABLE COLOR TEMPERATURE, & DIRECT SURFACE CEILING MOUNT KIT.	LED		4,400	41	SURFACE CEILING
					MAX	MAX	
D	TECH LIGHTING #700BCBAS-24-S-LED927	24" WIDE VANITY FIXTURE WITH BRUSHED NICKEL FINISH AND SATIN ETCHED WHITE SHADES.	LED		1,052	24	WALL 6'6" TO BOTTOM
					44	lm/w	
E	LITHONIA LIGHTING #0LLWD-LED-P1-40K-MVOLT-DOB	LED WALL-MOUNTED GENERAL PURPOSE LIGHT WITH 4000K COLOR TEMPERATURE, WITH VARIABLE INPUT VOLTAGE, AND DARK BRONZE FINISH.	LED		533	9	SURFACE +8'-0" AFF
					59	lm/w	
F	LITHONIA #ZL1N-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH	4' LINEAR STRIPLIGHT WITH 4000K COLOR TEMPERATURE AND WHITE FINISH.	LED		3,293	25	SURFACE CEILING / WALL
					132	lm/w	
G	JUNO LIGHTING #DPEND-MP-G2-P314-GLAC #78IN-LED12-30K-80CRI-SNC	CYLINDRICAL PENDANT WITH 'GLACIER' FINISH, SATIN NICKEL 78" CORDSET, SATIN NICKEL MONOPOINT ADAPTER, AND 3000K COLOR TEMPERATURE.	LED		389	6	PENDANT 7'6" TO BOTTOM
					65	lm/w	
S1	LITHONIA LIGHTING #DSX0-LED-P3-40K-T3M-MVOLT-SPA-DBLXD #SSS-30-4G-DM19AS-DBLXD	POLE MOUNTED AREA LUMINAIRE WITH 4000K COLOR TEMPERATURE WITH TYPE 3 MEDIUM DISTRIBUTION AND BLACK FINISH. INCLUDE 30" MATCHING SQUARE STEEL POLE AS SPECIFIED.	LED		8,452	71	POLE +30'
					119	lm/w	

TYPICAL UNIT PANEL A				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 14,000 A**	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	2	4					2 30 4
A 5	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 7	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	360 REC - CONVENIENCE	1 20 8
A 9	20	1	REC - LIVING & DECK	720	900	REC - BEDROOM 1	1 20 10
A 11	20	1	LTG - UNIT A		263	900 REC - BEDROOM 2	1 20 12
A 13	20	1	RANGE HOOD	168	600	REC - BATHROOM	1 20 14
A 15	20	1	SPARE			SPACE	1 - 16
A 17	20	1	SPARE			SPACE	1 - 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
23	-	1	SPACE			SPACE	1 - 24
25	-	1	SPACE			SPACE	1 - 26
27	-	1	SPACE			SPACE	1 - 28
29	-	1	SPACE			TVSS	30 30
31	-	1	SPACE				2 32
CONNECTED LOAD (VA)				12,438	10,373	22,811 VA	
CONNECTED LOAD (AMPERES)				104	86	95 A	
DEMAND LOAD (VA) *				12,438	10,373	22,811 VA	
DEMAND LOAD (AMPERES) *				104	86	95 A	

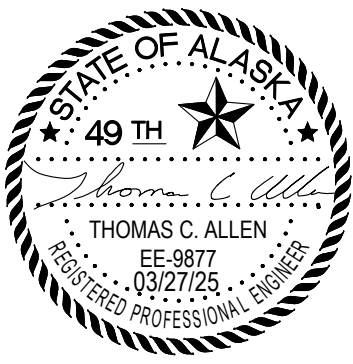
A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%, ** - PROVIDE SCCR OF 14,000A FOR UNITS '101' ONLY. ALL OTHER TYPE 'A' UNITS TO HAVE SCCR OF 10,000A.

TYPICAL UNIT PANEL B				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	2	4					2 30 4
A 5	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 7	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	540 REC - CONVENIENCE	1 20 8
A 9	20	1	REC - LIVING & DECK	900	1,200	REC - BATHROOMS	1 20 10
A 11	20	1	REC - BEDROOM 1		900	720 REC - BEDROOM 3	1 20 12
A 13	20	1	LTG - UNIT B	306	900	REC - BEDROOM 2	1 20 14
A 15	20	1	RANGE HOOD		168	SPARE	1 20 16
A 17	20	1	SPARE			SPARE	1 20 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
23	-	1	SPACE			SPACE	1 - 24
25	-	1	SPACE			SPACE	1 - 26
27	-	1	SPACE			SPACE	1 - 28
29	-	1	SPACE			TVSS	30 30
31	-	1	SPACE				2 32
CONNECTED LOAD (VA)				13,356	11,178	24,534 VA	
CONNECTED LOAD (AMPERES)				111	93	102 A	
DEMAND LOAD (VA) *				13,356	11,178	24,534 VA	
DEMAND LOAD (AMPERES) *				111	93	102 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

TYPICAL UNIT PANEL C				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	2	4					2 30 4
A 5	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 7	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	360 REC - CONVENIENCE	1 20 8
A 9	20	1	REC - LIVING & DECK	720	900	REC - BEDROOM 1	1 20 10
A 11	20	1	LTG - UNIT C		263	900 REC - BEDROOM 2	1 20 12
A 13	20	1	RANGE HOOD	168	600	REC - BATHROOM	1 20 14
A 15	20	1	SPARE			SPARE	1 20 16
A 17	20	1	SPARE			SPARE	1 20 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
23	-	1	SPACE			SPACE	1 - 24
25	-	1	SPACE			SPACE	1 - 26
27	-	1	SPACE			SPACE	1 - 28
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31	-	1	SPACE				2 32
CONNECTED LOAD (VA)				12,438	10,373	22,811 VA	
CONNECTED LOAD (AMPERES)				104	86	95 A	
DEMAND LOAD (VA) *				12,438	10,373	22,811 VA	
DEMAND LOAD (AMPERES) *				104	86	95 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%



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**RESPONSE TO
MUNICIPALITY OF ANCHORAGE
BUILDING SAFETY DIVISION'S
MECHANICAL COMMENTS**

Permit #: **C25-1333** Project Title: **Baxter Family Housing**

Reviewed By: **David Abuobaid** Date of Review: **4/9/25**

Review Number: Permit Manager: **C Kluever**

Engineer of Record: **Thomas C. Allen, P.E**

License Number: **EE-9877**

Date of Response: **4/20/25**

Response to Comment #1:

No response required.

Response to Comment #2:

Agreed, There was an error with the excel spreadsheet link into this sheet. Please see attached revised E5.1 with revised panel schedules and required breaker attributes.

Response to Comment #3:

Agreed, Arc Current has been indicated on E4.1 and will be applied in the field as part of the construction process.

Response to Comment #4:

Non-Concur – The foot notes below each panel are for clarity only and serve as a legend for the actual footnotes next to any applicable circuit.

Response to Comment #5:

No response required.

End of Responses



**RESPONSE TO
MUNICIPALITY OF ANCHORAGE
BUILDING SAFETY DIVISION'S
MECHANICAL COMMENTS**

Permit #: **C25-1334** Project Title: **Baxter Family Housing**

Reviewed By: **David Abuobaid** Date of Review: **4/9/25**

Review Number: Permit Manager: **C Kluever**

Engineer of Record: **Thomas C. Allen, P.E** License Number: **EE-9877**

Date of Response: **4/20/25**

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No response required.

End of Responses

0"

1"

PANEL H (BUILDING A)				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM: MULTI-METER DISC.		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
1	20	1	REC - STORAGE & CONVENIENCE	540	720	REC - OFFICE	1 20 2
3	20	1	REC - UTILITY, HALL, SPRINKLER RM		540	1,500 REC - COFFEE	1 20 4
5	20	1	REC - UTILITY, CRAWLSPACES	540	180	REC - TOILET	1 20 6
7	20	1	REC - UNIT WALKWAYS & UNIT STORAGE		720	729 LTG - HOUSE SPACE	1 20 8
9	20	1	B-1	540	180	WSP-1, HWSP-1	1 20 10
11	20	1	BSP-1, BPP-1		516	426 LTG - SITE	1 20 12
13	20	1	EF-1, UH-1	500		SPARE	1 20 14
15	20	1	SPARE			SPARE	1 20 16
17	20	1	SPARE			SPARE	1 - 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
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* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

PANEL H (BUILDINGS B & C)				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
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5	20	1	REC - UTILITY, CRAWLSPACES	540	180	WSP-1, HWCP-1	1 20 6
7	20	1	B-1		540	500 EF-1, UH-1	1 20 8
9	20	1	BSP-1, BPP-1	516		SPARE	1 20 10
11	20	1	SPARE			SPARE	1 20 12
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* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

LIGHTING FIXTURE SCHEDULE							
TYPE ID	MANUFACTURER MODEL NUMBER	FIXTURE DESCRIPTION	LAMP		LED		
			TYPE	QTY	LUMENS	WATTS	HEIGHT
A	JUNO LIGHTING #JSF-7IN 10LM-30K-90CRI-MVOLT-WH	SLIM FORM SURFACE MOUNT WITH 7" DIAMETER, 3000K COLOR TEMPERATURE, AND WHITE FINISH.	LED		1,000	13	SURFACE CEILING
					78	lm/w	
B	JUNO LIGHTING #JSF-13IN 18LM-30K-90CRI-MVOLT-WH	SLIM FORM SURFACE MOUNT WITH 13" DIAMETER, 3000K COLOR TEMPERATURE, AND WHITE FINISH.	LED		1,800	20	SURFACE CEILING
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C	LITHONIA LIGHTING #CPANL-1X4-AL01-SWW7-M4 #DCMK-14	1'X4' FLAT PANEL LED WITH SWITCHABLE LUMEN OUTPUT, SWITCHABLE COLOR TEMPERATURE, & DIRECT SURFACE CEILING MOUNT KIT.	LED		4,400	41	SURFACE CEILING
					MAX	MAX	
D	TECH LIGHTING #700BCBAS-24-S-LED927	24" WIDE VANITY FIXTURE WITH BRUSHED NICKEL FINISH AND SATIN ETCHED WHITE SHADES.	LED		1,052	24	WALL 6'6" TO BOTTOM
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					59	lm/w	
F	LITHONIA #ZL1N-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH	4' LINEAR STRIPLIGHT WITH 4000K COLOR TEMPERATURE AND WHITE FINISH.	LED		3,293	25	SURFACE CEILING / WALL
					132	lm/w	
G	JUNO LIGHTING #DPEND-MP-G2-P314-GLAC #78IN-LED12-30K-80CRI-SNC	CYLINDRICAL PENDANT WITH 'GLACIER' FINISH, SATIN NICKEL 78" CORDSET, SATIN NICKEL MONOPOINT ADAPTER, AND 3000K COLOR TEMPERATURE.	LED		389	6	PENDANT 7'6" TO BOTTOM
					65	lm/w	
S1	LITHONIA LIGHTING #DSX0-LED-P3-40K-T3M-MVOLT-SPA-DBLXD #SSS-30-4G-DM19AS-DBLXD	POLE MOUNTED AREA LUMINAIRE WITH 4000K COLOR TEMPERATURE WITH TYPE 3 MEDIUM DISTRIBUTION AND BLACK FINISH. INCLUDE 30' MATCHING SQUARE STEEL POLE AS SPECIFIED.	LED		8,452	71	POLE +30'
					119	lm/w	

TYPICAL UNIT PANEL A				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 14,000 A**	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 5	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	360 REC - CONVENIENCE	1 20 8
A 7	20	1	REC - LIVING & DECK	720	900	REC - BEDROOM 1	1 20 10
A 9	20	1	LTG - UNIT A		263	900 REC - BEDROOM 2	1 20 12
A 11	20	1	RANGE HOOD	168	600	REC - BATHROOM	1 20 14
A 13	20	1	SPARE			SPACE	1 - 16
A 15	20	1	SPARE			SPACE	1 - 18
A 17	20	1	SPACE			SPACE	1 - 20
19	-	1	SPACE			SPACE	1 - 22
21	-	1	SPACE			SPACE	1 - 24
23	-	1	SPACE			SPACE	1 - 26
25	-	1	SPACE			SPACE	1 - 28
27	-	1	SPACE			SPACE	1 - 30
29	-	1	SPACE			TVSS	2 30 32
31	-	1	SPACE				2 32
CONNECTED LOAD (VA)				12,438	10,373	22,811 VA	
CONNECTED LOAD (AMPERES)				104	86	95 A	
DEMAND LOAD (VA) *				12,438	10,373	22,811 VA	
DEMAND LOAD (AMPERES) *				104	86	95 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%, ** - PROVIDE SCCR OF 14,000A FOR UNITS '101' ONLY. ALL OTHER TYPE 'A' UNITS TO HAVE SCCR OF 10,000A.

TYPICAL UNIT PANEL B				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 5	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	540 REC - CONVENIENCE	1 20 8
A 7	20	1	REC - LIVING & DECK	900	1,200	REC - BATHROOMS	1 20 10
A 9	20	1	REC - BEDROOM 1		900	720 REC - BEDROOM 3	1 20 12
A 11	20	1	LTG - UNIT B	306	900	REC - BEDROOM 2	1 20 14
A 13	20	1	RANGE HOOD		168	SPARE	1 20 16
A 15	20	1	SPARE			SPARE	1 20 18
A 17	20	1	SPACE			SPACE	1 - 20
19	-	1	SPACE			SPACE	1 - 22
21	-	1	SPACE			SPACE	1 - 24
23	-	1	SPACE			SPACE	1 - 26
25	-	1	SPACE			SPACE	1 - 28
27	-	1	SPACE			SPACE	1 - 30
29	-	1	SPACE			TVSS	2 30 32
31	-	1	SPACE				2 32
CONNECTED LOAD (VA)				13,356	11,178	24,534 VA	
CONNECTED LOAD (AMPERES)				111	93	102 A	
DEMAND LOAD (VA) *				13,356	11,178	24,534 VA	
DEMAND LOAD (AMPERES) *				111	93	102 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

TYPICAL UNIT PANEL C				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 5	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	360 REC - CONVENIENCE	1 20 8
A 7	20	1	REC - LIVING & DECK	720	900	REC - BEDROOM 1	1 20 10
A 9	20	1	LTG - UNIT C		263	900 REC - BEDROOM 2	1 20 12
A 11	20	1	RANGE HOOD	168	600	REC - BATHROOM	1 20 14
A 13	20	1	SPARE			SPACE	1 20 16
A 15	20	1	SPARE			SPACE	1 20 18
A 17	20	1	SPACE			SPACE	1 - 20
19	-	1	SPACE			SPACE	1 - 22
21	-	1	SPACE			SPACE	1 - 24
23	-	1	SPACE			SPACE	1 - 26
25	-	1	SPACE			SPACE	1 - 28
27	-	1	SPACE			TVSS	2 30 32
29	-	1	SPACE				2 32
31	-	1	SPACE				
CONNECTED LOAD (VA)				12,438	10,373	22,811 VA	
CONNECTED LOAD (AMPERES)				104	86	95 A	
DEMAND LOAD (VA) *				12,438	10,373	22,811 VA	
DEMAND LOAD (AMPERES) *				104	86	95 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

0"

1"

PANEL H (BUILDING A)				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
1	20	1	REC - STORAGE & CONVENIENCE	540	720	REC - OFFICE	1 20 2
3	20	1	REC - UTILITY, HALL, SPRINKLER RM		540	1,500 REC - COFFEE	1 20 4
5	20	1	REC - UTILITY, CRAWLSPACES	540	180	REC - TOILET	1 20 6
7	20	1	REC - UNIT WALKWAYS & UNIT STORAGE		720	729 LTG - HOUSE SPACE	1 20 8
9	20	1	B-1	540	180	WSP-1, HWSP-1	1 20 10
11	20	1	BSP-1, BPP-1		516	426 LTG - SITE	1 20 12
13	20	1	EF-1, UH-1	500		SPARE	1 20 14
15	20	1	SPARE			SPARE	1 20 16
17	20	1	SPARE			SPARE	1 - 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
23	-	1	SPACE			SPACE	1 - 24
25	-	1	SPACE			SPACE	1 - 26
27	-	1	SPACE			SPACE	1 - 28
29	-	1	SPACE			SPACE	1 - 30
31	-	1	SPACE			SPACE	1 - 32
33	-	1	SPACE			SPACE	1 - 34
35	-	1	SPACE			SPACE	1 - 36
37	-	1	SPACE			SPACE	1 - 38
39	-	1	SPACE			TVSS	30 40
41	-	1	SPACE				2 42
CONNECTED LOAD (VA)				3,200	4,431	7,631 VA	
CONNECTED LOAD (AMPERES)				27	37	32 A	
DEMAND LOAD (VA) *				3,200	4,431	7,631 VA	
DEMAND LOAD (AMPERES) *				27	37	32 A	

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

PANEL H (BUILDINGS B & C)				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
1	20	1	REC - STORAGE & CONVENIENCE	540	1,080	REC - UNIT WALKWAYS & UNIT STORAGE	1 20 2
3	20	1	REC - UTILITY, HALL, SPRINKLER RM		540	525 LTG- HOUSE SPACE	1 20 4
5	20	1	REC - UTILITY, CRAWLSPACES	540	180	WSP-1, HWCP-1	1 20 6
7	20	1	B-1		540	500 EF-1, UH-1	1 20 8
9	20	1	BSP-1, BPP-1	516		SPARE	1 20 10
11	20	1	SPARE			SPARE	1 20 12
13	20	1	SPARE			SPACE	1 - 14
15	-	1	SPACE			SPACE	1 - 16
17	-	1	SPACE			SPACE	1 - 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
23	-	1	SPACE			SPACE	1 - 24
25	-	1	SPACE			SPACE	1 - 26
27	-	1	SPACE			SPACE	1 - 28
29	-	1	SPACE			SPACE	1 - 30
31	-	1	SPACE			SPACE	1 - 32
33	-	1	SPACE			SPACE	1 - 34
35	-	1	SPACE			SPACE	1 - 36
37	-	1	SPACE			SPACE	1 - 38
39	-	1	SPACE			TVSS	30 40
41	-	1	SPACE				2 42
CONNECTED LOAD (VA)				2,856	2,105	4,961 VA	
CONNECTED LOAD (AMPERES)				24	18	21 A	
DEMAND LOAD (VA) *				2,856	2,105	4,961 VA	
DEMAND LOAD (AMPERES) *				24	18	21 A	

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

LIGHTING FIXTURE SCHEDULE							
TYPE ID	MANUFACTURER MODEL NUMBER	FIXTURE DESCRIPTION	LAMP		LED		
			TYPE	QTY	LUMENS	WATTS	HEIGHT
A	JUNO LIGHTING #JSF-7IN 10LM-30K-90CRI-MVOLT-WH	SLIM FORM SURFACE MOUNT WITH 7" DIAMETER, 3000K COLOR TEMPERATURE, AND WHITE FINISH.	LED		1,000	13	SURFACE CEILING
					78	lm/w	
B	JUNO LIGHTING #JSF-13IN 18LM-30K-90CRI-MVOLT-WH	SLIM FORM SURFACE MOUNT WITH 13" DIAMETER, 3000K COLOR TEMPERATURE, AND WHITE FINISH.	LED		1,800	20	SURFACE CEILING
					90	lm/w	
C	LITHONIA LIGHTING #CPANL-1X4-AL01-SWW7-M4 #DCMK-14	1'X4' FLAT PANEL LED WITH SWITCHABLE LUMEN OUTPUT, SWITCHABLE COLOR TEMPERATURE, & DIRECT SURFACE CEILING MOUNT KIT.	LED		4,400	41	SURFACE CEILING
					MAX	MAX	
D	TECH LIGHTING #700BCBAS-24-S-LED927	24" WIDE VANITY FIXTURE WITH BRUSHED NICKEL FINISH AND SATIN ETCHED WHITE SHADES.	LED		1,052	24	WALL 6'6" TO BOTTOM
					44	lm/w	
E	LITHONIA LIGHTING #0LLWD-LED-P1-40K-MVOLT-DOB	LED WALL-MOUNTED GENERAL PURPOSE LIGHT WITH 4000K COLOR TEMPERATURE, WITH VARIABLE INPUT VOLTAGE, AND DARK BRONZE FINISH.	LED		533	9	SURFACE +8'-0" AFF
					59	lm/w	
F	LITHONIA #ZL1N-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH	4' LINEAR STRIPLIGHT WITH 4000K COLOR TEMPERATURE AND WHITE FINISH.	LED		3,293	25	SURFACE CEILING / WALL
					132	lm/w	
G	JUNO LIGHTING #DPEND-MP-G2-P314-GLAC #78IN-LED12-30K-80CRI-SNC	CYLINDRICAL PENDANT WITH 'GLACIER' FINISH, SATIN NICKEL 78" CORDSET, SATIN NICKEL MONOPOINT ADAPTER, AND 3000K COLOR TEMPERATURE.	LED		389	6	PENDANT 7'6" TO BOTTOM
					65	lm/w	
S1	LITHONIA LIGHTING #DSX0-LED-P3-40K-T3M-MVOLT-SPA-DBLXD #SSS-30-4G-DM19AS-DBLXD	POLE MOUNTED AREA LUMINAIRE WITH 4000K COLOR TEMPERATURE WITH TYPE 3 MEDIUM DISTRIBUTION AND BLACK FINISH. INCLUDE 30' MATCHING SQUARE STEEL POLE AS SPECIFIED.	LED		8,452	71	POLE +30'
					119	lm/w	

TYPICAL UNIT PANEL A				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 14,000 A**	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 5	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	360 REC - CONVENIENCE	1 20 8
A 7	20	1	REC - LIVING & DECK	720	900	REC - BEDROOM 1	1 20 10
A 9	20	1	LTG - UNIT A		263	900 REC - BEDROOM 2	1 20 12
A 13	20	1	RANGE HOOD	168	600	REC - BATHROOM	1 20 14
A 15	20	1	SPARE			SPACE	1 - 16
A 17	20	1	SPARE			SPACE	1 - 18
19	-	1	SPACE			SPACE	1 - 20
21	-	1	SPACE			SPACE	1 - 22
23	-	1	SPACE			SPACE	1 - 24
25	-	1	SPACE			SPACE	1 - 26
27	-	1	SPACE			SPACE	1 - 28
29	-	1	SPACE			TVSS	30 30
31	-	1	SPACE				2 32
CONNECTED LOAD (VA)				12,438	10,373	22,811 VA	
CONNECTED LOAD (AMPERES)				104	86	95 A	
DEMAND LOAD (VA) *				12,438	10,373	22,811 VA	
DEMAND LOAD (AMPERES) *				104	86	95 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%, ** - PROVIDE SCCR OF 14,000A FOR UNITS '101' ONLY. ALL OTHER TYPE 'A' UNITS TO HAVE SCCR OF 10,000A.

TYPICAL UNIT PANEL B				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 5	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	540 REC - CONVENIENCE	1 20 8
A 7	20	1	REC - LIVING & DECK	900	1,200	REC - BATHROOMS	1 20 10
A 9	20	1	REC - BEDROOM 1		900	720 REC - BEDROOM 3	1 20 12
A 11	20	1	LTG - UNIT B	306	900	REC - BEDROOM 2	1 20 14
A 13	20	1	RANGE HOOD		168	SPARE	1 20 16
A 15	20	1	SPARE			SPARE	1 20 18
A 17	20	1	SPARE			SPACE	1 - 20
19	-	1	SPACE			SPACE	1 - 22
21	-	1	SPACE			SPACE	1 - 24
23	-	1	SPACE			SPACE	1 - 26
25	-	1	SPACE			SPACE	1 - 28
27	-	1	SPACE			TVSS	30 30
29	-	1	SPACE				2 32
31	-	1	SPACE				
CONNECTED LOAD (VA)				13,356	11,178	24,534 VA	
CONNECTED LOAD (AMPERES)				111	93	102 A	
DEMAND LOAD (VA) *				13,356	11,178	24,534 VA	
DEMAND LOAD (AMPERES) *				111	93	102 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

TYPICAL UNIT PANEL C				VOLTAGE : 120/240V,1PH,3W		AMPRERE RATING: 125 A	
				MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: MLO	
				SUPPLIED FROM:		SHORT CIRCUIT CURRENT RATING: 10,000 A	
CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE AMP CKT
L 1	50	2	RANGE	4,550	2,800	DRYER	2 30 2
3	20	1	REC - KITCHEN ABOVE COUNTER	1,500	1,200	REC - WASHER	1 20 6
A 5	20	1	REC - KITCHEN ABOVE COUNTER & DISHWASHER		1,500	360 REC - CONVENIENCE	1 20 8
A 7	20	1	REC - LIVING & DECK	720	900	REC - BEDROOM 1	1 20 10
A 9	20	1	LTG - UNIT C		263	900 REC - BEDROOM 2	1 20 12
A 11	20	1	RANGE HOOD	168	600	REC - BATHROOM	1 20 14
A 13	20	1	SPARE			SPACE	1 20 16
A 15	20	1	SPARE			SPACE	1 20 18
A 17	20	1	SPACE			SPACE	1 - 20
19	-	1	SPACE			SPACE	1 - 22
21	-	1	SPACE			SPACE	1 - 24
23	-	1	SPACE			SPACE	1 - 26
25	-	1	SPACE			SPACE	1 - 28
27	-	1	SPACE			TVSS	30 30
29	-	1	SPACE				2 32
31	-	1	SPACE				
CONNECTED LOAD (VA)				12,438	10,373	22,811 VA	
CONNECTED LOAD (AMPERES)				104	86	95 A	
DEMAND LOAD (VA) *				12,438	10,373	22,811 VA	
DEMAND LOAD (AMPERES) *				104	86	95 A	

A - PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER, AG - PROVIDE ARC FAULT/GFCI COMBINATION TYPE CIRCUIT BREAKER, G - PROVIDE GFCI TYPE CIRCUIT BREAKER, L - PROVIDE LOCKABLE CIRCUIT BREAKER

* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

