

NEW STORE



GAP INC.
STORE DEVELOPMENT
2 FOLSOM STREET
SAN FRANCISCO, CA 94105

OPACLE ID:

140261

STORE NUMBER:

7341

STORE LOCATION:

STATION PARK

230 NE PROMONTORY
SPACE C-120
FARMINGTON, UT 84025

DESIGN TYPE: DERBY B
GENERATION: 21Q34
PROTOTYPE DATE: 1/8/2021
OPENING: 2021

ARCHITECT INFO:



ARCHITECT OF RECORD:
MARIAH MEYER
8131 METCALF AVE
SUITE 300
OVERLAND PARK, KS 66204

www.brrarch.com
TEL: 913-262-9095
FAX: 913-262-9044

CONSULTANT INFO:



8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214

TEL 913.742.5000 FAX 913.742.5001

WWW.HENDERSONENGINEERS.COM

2050004241
UT. CORPORATE NUMBER: 497264-0143
09/30/21

PROFESSIONAL STAMP:

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CONSTRUCTION
PURPOSES.

ISSUE TYPE:

LL/PERMIT/BID: 02/19/21

REVISIONS:

DRAWN BY: HEI

A/E JOB NUMBER: 65011072

TITLE SHEET:
PANEL
SCHEDULES

SHEET NUMBER:

E9-1

PANEL SCHEDULE LEGEND

BREAKER OPTIONS

LO HANDLE LOCK-ON DEVICE
LF HANDLE LOCK-OFF DEVICE
GFCI GROUND FAULT CIRCUIT INTERRUPTER BREAKER
HACR HEATING, A/C, & REFRIGERATION RATED BREAKER
HT HANDLE TIE

TRANSFORMER LOAD SUMMARY

LOAD DESCRIPTION	CONNECTED KW	DEMAND FACTOR	DEMAND KW
LIGHTING	5.336	125%	6.670
RECEPTACLES	13.170	1ST 10KW @ 100% REMAINING @ 50%	11.585
MOTORS	0.696	125%	0.870
HEATING *	0.000	100%	0.000
AIR CONDITIONING*	0.000	100% + 25% OF LARGEST MOTOR **	0.696
WATER HEATER	1.440	100%	1.440
MISCELLANEOUS	0.000	100%	0.000
	20.642	TOTAL KW	21.261
	57.296	TOTAL AMPS	59.015

NOTES:

* USE GREATER LOAD OF THE TWO CATEGORIES

** 125% OF THE LARGEST MOTOR OF COMPRESSOR IN SYSTEM
(APPLIED ONLY ON ONE UNIT)

TRANSFORMER SIZE 45 KVA

ELECTRICAL LOAD SUMMARY - 480Y/277V SYSTEM

LOAD DESCRIPTION	ACTUAL CONNECTED KW	DEMAND FACTOR	ACTUAL DEMAND KW	NEC CONNECTED KW	DEMAND FACTOR	NEC DEMAND KW
SHOW WINDOW LTG	0.00 ***	125%	0.00 ***	FT	200 W/FT ****	
LIGHTING	10.67	125%	13.34	10.67	125%	13.34
TRACK LIGHTING	1.10	125%	1.38	1.10	125%	1.38
RECEPTACLES	26.34	1ST 10KW @ 100% REMAINING AT 50%	18.17	26.34	1ST 10KW @ 100% REMAINING AT 50%	18.17
MOTORS	1.39	125%	1.74	1.39	125%	1.74
HEATING	72.33	100%	72.33	72.33	100%	72.33
AIR CONDITIONING	0.00	100% + 25% LARGEST MOTOR**	0	0.00	100% + 25% LARGEST MOTOR**	0
WATER HEATER	2.88	100%	2.88	2.88	100%	2.88
MISCELLANEOUS	0.03	100%	0.03	0.03	100%	0.03
	114.748	TOTAL KW	109.87	114.748	TOTAL KW	109.87

NOTES:

* USE GREATER LOAD OF THE TWO CATEGORIES

** 125% OF THE LARGEST MOTOR OF COMPRESSOR IN SYSTEM (APPLIED ONLY ON ONE UNIT)

*** ACTUAL SHOW WINDOW LIGHTING IN INCLUDED IN TRACK LIGHTING AND LIGHTING SECTIONS

**** 200 VA/FT REQUIREMENT MINUS ACTUAL INSTALLED SHOW WINDOW LIGHTING

NEC DEMAND KW x 1000
SYSTEM VOLTAGE x 1.732 = MINIMUM FEEDER AMPERAGE

109.87 x 1000

480 x 1.732 = 132.15 AMPS

REQUIRED ELECTRICAL SERVICE
@ 480Y/277V - 3P - 4W
200 AMPS

PANELBOARD A			NEMA ENCLOSURE 1					AIC RATING 22,000					
PANEL TYPE AE			MOUNTING SURFACE					NOTES					
VOLTAGE 480/277			PHASE 3			PANEL MAX AMPS 225A							
MAIN BREAKER			MAINS 200A MCB			WIRE 4			OPTIONS EQUIPMENT GROUND BUS				
CCT NO.	LOAD DESCRIPTION	BRK SIZE	BKR OPT	NEC KW	ACTUAL KW	PHASE	ACTUAL KW	NEC KW	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.	
1				8.868	8.868	A	8.868	8.868				2	
3	RTU-1	40/3	HACR	8.868	8.868	B	8.868	8.868	HACR	40/3	RTU-2	4	
5				8.868	8.868	C	8.868	8.868				6	
7				6.374	6.374	A	7.304	7.304				8	
9	HAC-1	25/3	HACR	6.374	6.374	B	8.120	8.120	LF	70/3	TRANSFORMER	10	
11				6.374	6.374	C	9.370	9.370				12	
13	SPARE	20/1				A	0.010	0.010				14	
15	SPARE	20/1				B	0.010	0.010		15/3	PULSE METER	16	
17	SPARE	20/1				C	0.010	0.010				18	
19	SPARE	20/1				A				20/1	SPARE	20	
21	SPARE	20/1				B				20/1	SPARE	22	
23	SPARE	20/1				C				20/1	SPARE	24	
ACTUAL CONNECTED				NEC CONNECTED				DEMAND LOAD					
38.728 KW				38.728 KW				143					
40.360 KW				40.360 KW				AMPS					
42.860 KW				42.860 KW									
121.948 KW				TOTAL									

PANELBOARD		B	NEMA ENCLOSURE		1	AIC RATING 10,000						
PANEL TYPE		AQ			MOUNTING SURFACE	NOTES						
		VOLTAGE 208/120		PHASE		3	PANEL MAX AMPS 150A					
MAIN BREAKER		MAINS 150A MCB		WIRE		4	OPTIONS		EQUIPMENT GROUND BUS			
CCT NO.	LOAD DESCRIPTION	BRK SIZE	BKR OPT	NEC KW	ACTUAL KW	PHASE	ACTUAL KW	NEC KW	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	REC 3A - SHOW WINDOW	20/1		0.360	0.360	A	0.360	0.360	LO	20/1	REC - PHONE BOARD IG1	2
3	REC - SALES	20/1		1.080	1.080	B	0.360	0.360	LO	20/1	REC - PHONE BOARD IG2	4
5	REC - STEAMER	20/1		1.200	1.200	C	0.360	0.360	LO	20/1	REC - PHONE BOARD IG3	6
7	REC - FR POS	20/1		0.540	0.540	A	0.180	0.180		20/1	REC - MUSIC SYSTEM	8
9	REC - FLOOR STOREFRONT	20/1		0.360	0.360	B	0.180	0.180		20/1	REC - DEDICATED	10
11	REC - CONVENIENCE	20/1		0.180	0.180	C	0.360	0.360	LO	20/1	REC - MANAGERS DESK IG	12
13	REC - STOCKROOM	20/1		0.360	0.360	A	0.360	0.360	LO	20/1	REC - MANAGERS DESK IG	14
15	REC - RESTROOMS	20/1	GFCI	0.180	0.180	B	0.540	0.540		20/1	REC - MANAGERS DESK GEN	16
17	MICROWAVE	20/1		1.200	1.200	C	0.360	0.360	LO	20/1	REC - CCTV	18
19	REFRIGERATOR	20/1	GFCI	0.600	0.600	A	0.180	0.180		20/1	REC - STEREO SYSTEM	20
21	SPARE	20/1				B	0.200	0.200	LO	20/1	FACP	22
23	EWIC	20/1	GFCI	0.370	0.370	C	0.200	0.200	LO	20/1	EAS J-BOX	24
25	SPARE	20/1				A				20/1	SPARE	26
27	REC - RTU	20/1		0.360	0.360	B	0.200	0.200	LO	20/1	LIGHTING CONTROLS	28
29	EVH-1	20/1		1.440	1.440	C	0.500	0.500		20/1	LTG 1A - FR MIRRORS	30
31	SPARE	20/1				A	0.696	0.696		20/1	2A - EF-1	32
33	LTG 1A - PENDANT COM TABLE	20/1		0.120	0.120	B	1.572	1.572		20/1	LTG 1A - SALES	34
35	LTG 3A - SHOW WINDOW	20/1		0.192	0.192	C	1.608	1.608	HT	20/1	LTG 2A - SALES	36
37	LTG 4A - SIGNAGE	20/1		1.200	1.200	A	0.640	0.640		20/1	LTG 2A - STOCKROOM	38
39	LTG 4A - SIGNAGE	20/1		1.200	1.200	B	0.508	0.508	LO	20/1	LTG - EMNL/EXIT/RR	40
41	LTG 4A - BLADE SIGNS	20/1		1.200	1.200	C	0.200	0.200	LO	20/1	REC - SALES POS IG	42
43	REC - SP1 & MPOS CABINETS	20/1		1.080	1.080	A	0.360	0.360		20/1	REC - VIDEO SCREEN	44
45	SPARE	20/1		1.080	1.080	B	0.180	0.180		20/1	REC - SALES POS GEN	46
47	SPARE	20/1				C				20/1	SPARE	48
49	SPARE	20/1				A	0.388	0.388		20/1	LTG 2A - FITTING RM. PENDANT	50
51	SPARE	20/1				B				20/1	SPARE	52
53	SPARE	20/1				C				20/1	SPARE	54
ACTUAL CONNECTED				NEC CONNECTED				DEMAND LOAD				
7.304 KW				7.304 KW				71				
8.120 KW				PHASE B				AMPS				
9.370 KW				PHASE C								
24.794 KW				TOTAL								