POLE NO.	C.B. AMP/P	SERVICE	LOAD KVA TOTAL	TYPE	A	B	C	TYPE	TOTAL	SERVICE	C.B. AMP/P	POLE NO.
1		SUB-FEED TO	0.68	B	15.08			B	14.4	ELEV #4		2
3	30/3	XFMR ET6E	0.5	B		14.9		B	14.4	SERVICE ELEVATOR	90/3	4
5		15KVA	0.18	B			14.58	B	14.4			6
7		SPARE			14.4			B	14.4	ELEV #1		8
9		SPARE				14.4		B	14.4	PASSENGER ELEVATOR	90/3	10
11		SPARE					14.4	B	14.4			12
13		SPARE								SPARE		14
15		SPARE								SPARE		16
17		SPARE								SPARE		18
19		SPARE								SPARE		20
21		SPARE								SPARE		22
23		SPARE								SPARE		24
25		SPARE								SPARE		26
27		SPARE								SPARE		28
29		SPARE								SPARE		30
CONNECTED LOAD PER PHASE					29.48	29.3	28.98					

LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "A": RECEPTACLES (FIRST 10KVA)		100%	
TYPE "A": RECEPTACLES (OVER 10KVA)		50%	
TYPE "B": NON-CONTINUOUS LOADS	87.76	100%	87.76
TYPE "C": CONTINUOUS LOADS		125%	
TOTAL DEMAND LOAD KVA	87.76		87.76
TOTAL DEMAND LOAD AMPS			105.58

VOLTS: 277/480V,3PH,4W
MAIN C.B.: MLO
BUS: 225AMP
POLES: 30
MOUNTING: SURFACE
AIC RATING: 14,000
SUBFEED C.B: N/A

PANEL NEW EH6E LEVEL PH B/9.5

4/13/17 5:17 PM

POLE NO.	C.B. AMP/P	SERVICE	LOAD KVA TOTAL	TYPE	A	B	C	TYPE	TOTAL	SERVICE	C.B. AMP/P	POLE NO.
1	20/1	SPARE			2.84			B	2.84	SUB-FEED TO		2
3	20/1	SPARE				3.24		B	3.24	XFMR ET1D	50/3	4
5	20/1	SPARE					3.24	B	3.24	30KVA		6
7		SPACE								SPACE		8
9		SPACE								SPACE		10
11		SPACE								SPACE		12
13		SPACE								SPACE		14
15		SPACE								SPACE		16
17		SPACE								SPACE		18
19		SPACE								SPACE		20
21		SPACE								SPACE		22
23		SPACE								SPACE		24
25		SPACE								SPACE		26
27		SPACE								SPACE		28
29		SPACE								SPACE		30
CONNECTED LOAD PER PHASE					2.84	3.24	3.24					

LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "A": RECEPTACLES (FIRST 10KVA)		100%	
TYPE "A": RECEPTACLES (OVER 10KVA)		50%	
TYPE "B": NON-CONTINUOUS LOADS	9.32	100%	9.32
TYPE "C": CONTINUOUS LOADS		125%	
TOTAL DEMAND LOAD KVA	9.32		9.32
TOTAL DEMAND LOAD AMPS			11.21

VOLTS: 277/480V,3PH,4W
MAIN C.B.: MLO
BUS: 100 AMP
POLES: 30
MOUNTING: SURFACE
AIC RATING: 14,000
SUBFEED C.B: N/A

PANEL NEW EH1D LEVEL 1 E/8

4/13/17 5:17 PM

POLE NO.	C.B. AMP/P	SERVICE	LOAD KVA TOTAL	TYPE	A	B	C	TYPE	TOTAL	SERVICE	C.B. AMP/P	POLE NO.
1	20/1	ELEVATOR CAR LTG	0.5	B	0.5					SPARE	20/1	2
3	20/1	ELEVATOR CAR LTG	0.5	B		0.5				SPARE	20/1	4
5	20/1	ELEVATOR CONTROLS	0.18	B			0.18			SPARE	20/1	6
7	20/1	ELEVATOR CONTROLS	0.18	B	0.18					SPARE	20/1	8
9		SPACE								SPARE	20/1	10
11		SPACE								SPARE	20/1	12
13		SPACE								SPACE		14
15		SPACE								SPACE		16
17		SPACE								SPACE		18
19		SPACE								SPACE		20
21		SPACE								SPACE		22
23		SPACE								SPACE		24
25		SPACE								SPACE		26
27		SPACE								SPACE		28
29		SPACE								SPACE		30
CONNECTED LOAD PER PHASE					0.68	0.5	0.18					

LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "A": RECEPTACLES (FIRST 10KVA)		100%	
TYPE "A": RECEPTACLES (OVER 10KVA)		50%	
TYPE "B": NON-CONTINUOUS LOADS	1.36	100%	1.36
TYPE "C": CONTINUOUS LOADS		125%	
TOTAL DEMAND LOAD KVA	1.36		1.36
TOTAL DEMAND LOAD AMPS			3.78

VOLTS: 120/208V,3PH,4W
MAIN C.B.: MLO
BUS: 100 AMP
POLES: 30
MOUNTING: SURFACE
AIC RATING: 10,000
SUBFEED C.B: N/A

PANEL NEW EL6E LEVEL PH B/9.5

4/13/17 5:17 PM

POLE NO.	C.B. AMP/P	SERVICE	LOAD KVA TOTAL	TYPE	A	B	C	TYPE	TOTAL	SERVICE	C.B. AMP/P	POLE NO.
1	20/1	(E) FIRE ALARM PANEL	1.6	B	1.6					SPARE	20/1	2
3		(E) AC-11	0.62	B		1.24		B	0.62	(E) AC-11		4
5	15/3	MPOE ROOM	0.62	B			1.24	B	0.62	MPOE ROOM	15/3	6
7			0.62	B	1.24			B	0.62			8
9	20/1	GENERATOR CONTROLS	0.5	A		2		A	1.5	(E) PANEL L1CC	30/2	10
11	20/1	GENERATOR CONTROLS	0.5	A			2	A	1.5	SUB-FEED		12
13	20/1	SPARE								SPACE		14
15		SPACE								SPACE		16
17		SPACE								SPACE		18
19		SPACE								SPACE		20
21		SPACE								SPACE		22
23		SPACE								SPACE		24
25		SPACE								SPACE		26
27		SPACE								SPACE		28
29		SPACE								SPACE		30
CONNECTED LOAD PER PHASE					2.84	3.24	3.24					

LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "A": RECEPTACLES (FIRST 10KVA)	4.00	100%	4.00
TYPE "A": RECEPTACLES (OVER 10KVA)		50%	
TYPE "B": NON-CONTINUOUS LOADS	5.32	100%	5.32
TYPE "C": CONTINUOUS LOADS		125%	
TOTAL DEMAND LOAD KVA	9.32		9.32
TOTAL DEMAND LOAD AMPS			25.89

VOLTS: 120/208V,3PH,4W
MAIN C.B.: MLO
BUS: 100 AMP
POLES: 30
MOUNTING: SURFACE
AIC RATING: 10,000
SUBFEED C.B: N/A

PANEL NEW EL1D LEVEL 1 E/8

4/13/17 5:17 PM

POLE NO.	C.B. AMP/P	SERVICE	LOAD KVA TOTAL	TYPE	A	B	C	TYPE	TOTAL	SERVICE	C.B. AMP/P	POLE NO.
1		ATS-E	8.7	B	11.54			B	2.84	ATS-1		2
3	225/3		9.23	B		12.47		B	3.24		100/3	4
5			9.2	B			12.44	B	3.24			6
7		SPARE			29.48			B	29.48	ATS-2		8
9		SPARE				29.3		B	29.3		150/3	10
11		SPARE					28.98	B	28.98			12
13		SPARE								SPARE		14
15		SPARE								SPARE		16
17		SPARE								SPARE		18
19		SPARE								SPARE		20
21		SPARE								SPARE		22
23		SPARE								SPARE		24
25		SPARE								SPARE		26
27		SPARE								SPARE		28
29		SPARE								SPARE		30
CONNECTED LOAD PER PHASE					41.02	41.77	41.42					

LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "A": RECEPTACLES (FIRST 10KVA)		100%	
TYPE "A": RECEPTACLES (OVER 10KVA)		50%	
TYPE "B": NON-CONTINUOUS LOADS	124.21	100%	124.21
TYPE "C": CONTINUOUS LOADS		125%	
TOTAL DEMAND LOAD KVA	124.21		124.21
TOTAL DEMAND LOAD AMPS			149.42

VOLTS: 277/480V,3PH,4W
MAIN C.B.: MLO
BUS: 600AMP
POLES: 30
MOUNTING: SURFACE
AIC RATING: 42,000
SUBFEED C.B: N/A

PANEL NEW GENDP

2

POLE NO.	C.B. AMP/P	SERVICE	LOAD KVA TOTAL	TYPE	A	B	C	TYPE	TOTAL	SERVICE	C.B. AMP/P	POLE NO.
1	20/1	SPARE			0.2			A	0.2	(E) MECH. CONTROL	20/1	2
3	20/1	SPARE				0.9		A	0.9	(E) UTILITY REC.	20/1	4
5	20/1	(E) MECH. CONTROL	0.2	A			0.87	B	0.67	(E) FAN E-14	20/1	6
7	20/1	(E) UTILITY REC.	1.08	A	1.58			B	0.5	(E) FAN E-17	20/1	8
9	20/1	(E) FAN E-15	0.83	B		1.01		A	0.18	(E) UTILITY REC.	20/1	10
11	20/1	(N) GREEN WALL IRR. CONTROL	0.18	B			0.54	A	0.36	(E) CHEM TREATMENT	20/1	12
13	20/1	(N) GREEN WALL IRR. CONTROL	0.18	B	0.18					SPARE	20/1	14
15	20/1	SPARE								SPARE	20/1	16
17	20/1	SPARE								SPARE	20/1	18
19			1.8	B	1.8			B				20
(N) 21	30/3	WINDOW WASH REC	1.8	B		1.8		B		WINDOW WASH REC	30/3	22 (N)
23			1.8	B			1.8	B				24
25				B				B				26
(N) 27	30/3	WINDOW WASH REC		B				B		WINDOW WASH REC	30/3	28 (N)
29				B				B				30
CONNECTED LOAD PER PHASE					3.76	3.71	3.21					

LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "A": RECEPTACLES (FIRST 10KVA)	2.92	100%	2.92
TYPE "A": RECEPTACLES (OVER 10KVA)		50%	
TYPE "B": NON-CONTINUOUS LOADS	7.76	100%	7.76
TYPE "C": CONTINUOUS LOADS		125%	
TOTAL DEMAND LOAD KVA	10.68		10.68
TOTAL DEMAND LOAD AMPS			29.67

VOLTS: 120/208V,3PH,4W
MAIN C.B.: 60 AMP
BUS: 100 AMP
POLES: 30
MOUNTING: SURFACE
AIC RATING: 10,000
SUBFEED C.B: N/A

PANEL (E) LPA

THINK MK

Architects:
MKTHINK
Roundhouse One, 1500 Sansome Street
San Francisco, CA 94111
p 415 402 0888
f 415 288 3383

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Project:
200 McCALLISTER STREET
INFRASTRUCTURE IMPROVEMENTS

Project Number:
491-404

Clients:
UNIVERSITY OF CALIRORNIA
HASTINGS COLLEGE OF THE LAW

UC HASTINGS
COLLEGE OF THE LAW
EST. 1878

Consultant:

GLUMAC
engineers for a sustainable future™

150 California St., 3rd Floor
San Francisco, CA 94111
T. 415.398.7667 F. 415.398.0596
www.glumac.com
Job No. 01.17.00038
Contact. JWM

Rev.	Issue	Date
	BID SET	5/24/2017
	PERMIT SET	6/20/2017
	BID SET REV 1	7/17/2017
2	PLAN CHECK RESP.	9/14/2017

Seal:

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