NAME: A-1-MSB-1-PNL-1-1

LOCATION: STORAGE 1-108 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 125 A | **VOLTAGE:** 480/277 Wye | **ENCLOSURE:** NEMA 1
MAINS TYPE: MCB | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 4 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	LTG OFFICES ZONE b			20 A	1	0.74 0.7			1	20 A			LTG POE N	2
3	LTG OFFICES ZONE c			20 A	1		1.33 0.83		1	20 A			LTG OFFICES ZONE a	4
5	LTG OFFICES ZONE d			20 A	1			0.83						6
7														8
9														10
11														12
13														14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

	A	B	C
BRANCH CIRCUIT LOAD (KVA):	1.44 kVA	2.16 kVA	0.83 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	1.44 kVA	2.16 kVA	0.83 kVA
TOTAL LOAD (AMPS):	5.5 A	8.1 A	3.0 A
PHASE LOAD BALANCE	36.73%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	4.36 kVA	5.45 kVA	TOTAL CONNECTED LOAD (AMPS):	5 A
			TOTAL CODE LOAD (AMPS):	7 A
			PERCENT LOADED:	5.25%
TOTAL KVA	4.36 kVA	5.45 kVA		

LOAD CLASSIFICATION (LC) LEGEND
R - RECEPTACLE, L - LIGHTING, K - KITCHEN, M - MOTORS/HVAC, H - HEATERS, O - OTHER, E - EXISTING, C-CSNR/MMR LOADS

NAME: A-1-INV-2-PNL-A-1

LOCATION: STORAGE 1-108 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 100 A | **VOLTAGE:** 480/277 Wye | **ENCLOSURE:** NEMA 1
MAINS TYPE: MLO | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 4 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	EM LTG ELEVATOR MECH ROOM			20 A	1	0.07 0.18			1	20 A			EM LTG LOAD CORRIDOR	2
3	EM LTG ELEVATOR			20 A	1		0.08 0.24		1	20 A			EM LTG OFFICE ZONE f	4
5	EM LTG FREIGHT 1			20 A	1			0.17 0.25	1	20 A			EM LTG FREIGHT 2	6
7	EM LTG OFFICE ZONE f			20 A	1	0.28 0.28			1	20 A			EM LTG OFFICE ZONE d	8
9	EM LTG OFFICE ZONE g			20 A	1		0.28 0.47		1	20 A			EM LTG OFFICE ZONE b	10
11	EM LTG POE N			20 A	1			0.35 0.37	1	20 A			EM LTG OFFICE ZONE c	12
13	EM LTG LOADING DOCK			20 A	1	0.29 0.44			1	20 A			EM LTG OFFICE ZONE h	14
15	EM LTG OFFICE ZONE a			20 A	1		0.49							16
17	EM LTG OFFICE ZONE e			20 A	1			0.43						18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

	A	B	C
BRANCH CIRCUIT LOAD (KVA):	1.53 kVA	1.54 kVA	1.53 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	1.53 kVA	1.54 kVA	1.53 kVA
TOTAL LOAD (AMPS):	5.5 A	5.6 A	5.5 A
PHASE LOAD BALANCE	99.19%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	4.58 kVA	5.73 kVA	TOTAL CONNECTED LOAD (AMPS):	6 A
			TOTAL CODE LOAD (AMPS):	7 A
			PERCENT LOADED:	6.89%
TOTAL KVA	4.58 kVA	5.73 kVA		

LOAD CLASSIFICATION (LC) LEGEND
R - RECEPTACLE, L - LIGHTING, K - KITCHEN, M - MOTORS/HVAC, H - HEATERS, O - OTHER, E - EXISTING, C-CSNR/MMR LOADS

NAME: A-1-MSB-4-PNL-1-1

LOCATION: STORAGE 1-108 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 225 A | **VOLTAGE:** 120/208 Wye | **ENCLOSURE:** NEMA 1
MAINS TYPE: MCB | **PHASE:** 3 | **AFC:** 22 kA
FEED THROUGH LUGS: No | **WIRE:** 4 | **SCCR:** 22 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	RECPT. CONF ROOM 1-102	2#12, 1#12G, 3/4"C		20 A	1	0.54 0.54			1	20 A		2#12, 1#12G, 3/4"C	RECEP. CONF ROOM 1-118	2
3	RECPT. CONF ROOM 1-102	2#12, 1#12G, 3/4"C		20 A	1		0.86 0.86		1	20 A		2#12, 1#12G, 3/4"C	RECEP. CONF ROOM 1-118	4
5	RECPT. GFI RR 1-104, JAN 1-105, STORAGE 1-103	2#12, 1#12G, 3/4"C		20 A	1			0.54 0.72	1	20 A		2#12, 1#12G, 3/4"C	RECPT. SERVICES OPEN OFFICE 1-112	6
7	RECPT. GFI BLANK FACED	2#12, 1#12G, 3/4"C		20 A	1	0.36 1.08			1	20 A		2#12, 1#12G, 3/4"C	RECPT. OFFICE 1-116, 1-117	8
9	RECPT. GFI BLANK FACED	2#12, 1#12G, 3/4"C		20 A	1		0.36 1.08		1	20 A		2#12, 1#12G, 3/4"C	RECPT. OFFICE 1-114, 1-115	10
11	RECPT. LOBBY 1-101	2#12, 1#12G, 3/4"C		20 A	1			1.08 1.08	1	20 A		2#12, 1#12G, 3/4"C	RECPT. SERVICES OFFICE 1-116, 1-117	12
13	RECPT. COPIER SECURITY 1-106	2#12, 1#12G, 3/4"C		20 A	1	0.5 1.08			1	20 A		2#12, 1#12G, 3/4"C	RECPT. SERVICES OFFICE 1-114, 1-115	14
15	RECPT. SECURITY 1-106	2#12, 1#12G, 3/4"C		20 A	1		0.72 0.72		1	20 A		2#12, 1#12G, 3/4"C	RECPT. SERVICES OPEN OFFICE 1-112	16
17	RECPT. SERVICES SECURITY 1-106	2#12, 1#12G, 3/4"C		20 A	1			0.9 1.08	1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	18
19	RECPT. QUAD LOBBY 1-101	2#12, 1#12G, 3/4"C		20 A	1	1.08 1.08			1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	20
21	RECPT. SECURITY OFFICE 1-233	2#12, 1#12G, 3/4"C		20 A	1		0.9 1.08		1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	22
23	RECPT. SERVICES SECURITY 1-106, POE 1-107	2#12, 1#12G, 3/4"C		20 A	1			0.54 1.08	1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	24
25	RECPT. SERVICES 1-108, 1-109A, 1-109	2#12, 1#12G, 3/4"C		20 A	1	0.9 1.08			1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	26
27	RECPT. SERVICES 1-110	2#12, 1#12G, 3/4"C		20 A	1		0.72 1.08		1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	28
29	RECPT. PRINTER COPY/PRINTER ROOM 1-125	2#12, 1#12G, 3/4"C		20 A	1			0.5 1.08	1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	30
31	RECPT. PRINTER COPY/PRINTER ROOM 1-125	2#12, 1#12G, 3/4"C		20 A	1	0.5 1.08			1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	32
33	RECPT. REFRIGERATOR PANTRY 1-126	2#12, 1#12G, 3/4"C		20 A	1		0.65 1.08		1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	34
35	RECPT. COFFEE MAKER PANTRY 1-126	2#12, 1#12G, 3/4"C		20 A	1			1.3 1.08	1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	36
37	RECPT. DISHWASHER PANTRY 1-126	2#12, 1#12G, 3/4"C		20 A	1	1 1.08			1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	38
39	RECPT. MICROWAVE PANTRY 1-126	2#12, 1#12G, 3/4"C		20 A	1		1.2 1.08		1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	40
41	RECPT. SERVICES PANTRY 1-126	2#12, 1#12G, 3/4"C		20 A	1			0.54 1.26	1	20 A		2#12, 1#12G, 3/4"C	RECPT. OPEN OFFICE 1-112	42
43	VAV-1-01, VAV-1-02	2#12, 1#12G, 3/4"C		20 A	2	0.75 0.72			1	20 A		2#12, 1#12G, 3/4"C	RECPT. CONFERENCE 1-113	44
45							0.75 0.54		1	20 A		2#12, 1#12G, 3/4"C	RECPT. CONFERENCE 1-113	46
47	VAV-1-03, VAV-1-04	2#12, 1#12G, 3/4"C		20 A	2			0.93						48
49						0.93								50
51	VAV-1-02, VAV-1-03, VAV-1-05	2#12, 1#12G, 3/4"C		20 A	2		0.55							52
53								0.55						54
55	VAV-1-04, VAV-1-05	2#12, 1#12G, 3/4"C		20 A	2	0								56
57							0							58
59	VAV-1-06, VAV-1-06	2#12, 1#12G, 3/4"C		20 A	2			0.38						60
61						0.38								62
63														64
65														66

	A	B	C
BRANCH CIRCUIT LOAD (KVA):	14.67 kVA	14.23 kVA	14.63 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	14.67 kVA	14.23 kVA	14.63 kVA
TOTAL LOAD (AMPS):	122.8 A	118.6 A	122.4 A
PHASE LOAD BALANCE	96.6%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	1.36 kVA	1.36 kVA	TOTAL CONNECTED LOAD (AMPS):	121 A
RECEPTACLE QUAD	1.08 kVA	1.08 kVA	TOTAL CODE LOAD (AMPS):	104 A
RECPT.	19.69 kVA	19.69 kVA	PERCENT LOADED:	46.37%
RECEPTACLE	16.2 kVA	10.26 kVA		
Heating	5.2 kVA	5.2 kVA		
TOTAL KVA	43.53 kVA	37.59 kVA		

LOAD CLASSIFICATION (LC) LEGEND
R - RECEPTACLE, L - LIGHTING, K - KITCHEN, M - MOTORS/HVAC, H - HEATERS, O - OTHER, E - EXISTING, C-CSNR/MMR LOADS

NAME: A-1-UOB-1-PNL-1-1

LOCATION: POE 1-107 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: | **VOLTAGE:** 120/208 Wye | **ENCLOSURE:** NEMA 1
MAINS TYPE: MCB | **PHASE:** 3 | **AFC:** 22 kA
FEED THROUGH LUGS: No | **WIRE:** 4 | **SCCR:** 22 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1														2
3														4
5														6
7														8
9														10
11														12
13														14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

	A	B	C
BRANCH CIRCUIT LOAD (KVA):	0 kVA	0 kVA	0 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	0 kVA	0 kVA	0 kVA
TOTAL LOAD (AMPS):	0.0 A	0.0 A	0.0 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
			TOTAL CONNECTED LOAD (AMPS):	0 A
			TOTAL CODE LOAD (AMPS):	0 A
			PERCENT LOADED:	
TOTAL KVA	0 kVA	0 kVA		

LOAD CLASSIFICATION (LC) LEGEND
R - RECEPTACLE, L - LIGHTING, K - KITCHEN, M - MOTORS/HVAC, H - HEATERS, O - OTHER, E - EXISTING, C-CSNR/MMR LOADS

NAME: 1/7-R-UOB-1-PNL-1

LOCATION: POE 1-107 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: | **VOLTAGE:** 120/208 Wye | **ENCLOSURE:** NEMA 1
MAINS TYPE: MCB | **PHASE:** 3 | **AFC:** 22 kA
FEED THROUGH LUGS: No | **WIRE:** 4 | **SCCR:** 22 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1														2
3														4
5														6
7														8
9														10
11														12
13														14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

	A	B	C
BRANCH CIRCUIT LOAD (KVA):	0 kVA	0 kVA	0 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	0 kVA	0 kVA	0 kVA
TOTAL LOAD (AMPS):	0.0 A	0.0 A	0.0 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
			TOTAL CONNECTED LOAD (AMPS):	0 A
			TOTAL CODE LOAD (AMPS):	0 A
			PERCENT LOADED:	
TOTAL KVA	0 kVA	0 kVA		

LOAD CLASSIFICATION (LC) LEGEND
R - RECEPTACLE, L - LIGHTING, K - KITCHEN, M - MOTORS/HVAC, H - HEATERS, O - OTHER, E - EXISTING, C-CSNR/MMR LOADS

PANEL SCHEDULE LEGEND

A-1-MSB-1-PNL-1-1	A-1-INV-2-PNL-A-1	A-1-MSB-4-PNL-1-1
UOB-A-1-1-PNL-1	UOB-1/7-R-1-PNL-1	-
-	-	-

serverfarm
CORGAN
TGRWA STRUCTURAL ENGINEERS
kW Mission Critical Engineering Member of WSP
EP ENGINEERING PLUS
Kimley»Horn

ISSUES

1	11/12/2025	CONCEPTUAL DESIGN
2	12/12/2025	SCHEMATIC DESIGN
3	12/17/2025	STEEL MILL ORDER
4	1/23/2026	DESIGN DEVELOPMENT

REVISIONS

kW Mission Critical Engineering
Contact: David Adams Phone: 703.926.0715
Engineer: Matthew Fagert
License #: 123456 Exp. Date: 00/00/0000

NOT FOR CONSTRUCTION
Date: 00/00/0000

SERVERFARM
Clarksville, AR

L	K	J
G	E	C	A
H	F	D	B
P	N	M

PANEL SCHEDULES - 1A

JOB US0049903.5614
SHEET
E05-01

1/23/2026 12:49:43 PM E05-01 PANEL SCHEDULES - 1A