NAME: A-1-MSB-3-PNL-3-1

LOCATION: STORAGE 2-101 | **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	LIGHTING - EXTERIOR			20 A	1	0.17 0.36			1	20 A			LTG ROOF- EXTERIOR	2
3	LTG LEVEL 2 STORAGE			20 A	1		1.09							4
5	LTG LEVEL 2 SUPPORT			20 A	1			1.85						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):	0.53 kVA	1.09 kVA	1.85 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	0.53 kVA	1.09 kVA	1.85 kVA
TOTAL LOAD (AMPS):	1.3 A	4.2 A	7.0 A
PHASE LOAD BALANCE	27.59%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	2.93 kVA	3.66 kVA	TOTAL CONNECTED LOAD (AMPS):	14 A
Other	0.01 kVA	0.01 kVA	TOTAL CODE LOAD (AMPS):	15 A
			PERCENT LOADED:	4.18%
TOTAL KVA	3.47 kVA	4.34 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-2

LOCATION: STORAGE 2-101 | **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 LIGHTING - EXTERIOR			20 A	1	0.17 0.4			1	20 A			EM LTG ROOF - EXTERIOR	2
3	EM LTG ROOF - EXTERIOR			20 A	1		0.52 0.74		1	20 A			EM LTG LEVEL 2 SUPPORT	4
5	EM LTG ROOF - EXTERIOR			20 A	1			1.72						6
7	EM LTG LEVEL 2 STORAGE			20 A	1	0.59								8
9	Other			20 A	1		0.17							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):	1.16 kVA	1.43 kVA	1.72 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	1.16 kVA	1.43 kVA	1.72 kVA
TOTAL LOAD (AMPS):	4.2 A	5.3 A	6.4 A
PHASE LOAD BALANCE	65.8%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	1.49 kVA	1.87 kVA	TOTAL CONNECTED LOAD (AMPS):	5 A
			TOTAL CODE LOAD (AMPS):	6 A
			PERCENT LOADED:	6.48%
TOTAL KVA	4.31 kVA	5.38 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-6-PNL-1-2

LOCATION: STORAGE 2-101 | **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. BUILDING SUPPORT 2-104	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. ELEVATOR LOBBY 2-100	2
3	RECPT. 1-224, 2-102, 2-225	2#12, 1#12G, 3/4"C		20 A	1		0.9							4
5	SIGNAGE			20 A	2			0.75 0.9	1	20 A		2#12, 1#12G, 3/4"C	RECPT. STORAGE 2-101	6
7						0.75								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):	2.01 kVA	0.9 kVA	1.65 kVA
FEED THROUGH LUGS LOAD..	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	2.01 kVA	0.9 kVA	1.65 kVA
TOTAL LOAD (AMPS):	17.7 A	7.5 A	14.7 A
PHASE LOAD BALANCE	42.35%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	1.5 kVA	1.5 kVA	TOTAL CONNECTED LOAD (AMPS):	13 A
RECPT.	3.06 kVA	3.06 kVA	TOTAL CODE LOAD (AMPS):	13 A
			PERCENT LOADED:	5.63%
TOTAL KVA	4.56 kVA	4.56 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-3-PNL-3-1	A-1-INV-2-PNL-A-2	A-1-MSB-6-PNL-1-2
-	-	-
-	-	-

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 - 2B

JOB US0049903.5614
SHEET
E05-15

1/23/2026 12:50:11 PM E05-15 PANEL SCHEDULES - 2B