NAME: 4-3-MSB-1-PNL-1

LOCATION: ELEC. ROOM 1-156 | **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 DH 4 MECH GALLERY			20 A	1	0.72 0.84			1	20 A			LTG CORRIDOR DH 4	2
3	LTG ELEC ROOM DH 4			20 A	1		1.26 3.05		1	20 A			LTG DH 4 ZONE a,b,f	4
5	LTG DH 4 ZONE e			20 A	1			1.7 2.5	1	20 A			LTG DH 4 ZONE e	6
7	LTG DH 4 ZONE d			20 A	1	2.5								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

BRANCH CIRCUIT LOAD (KVA):	3.96 kVA	4.22 kVA	4.2 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	3.96 kVA	4.22 kVA	4.2 kVA
TOTAL LOAD (AMPS):	14.3 A	15.4 A	15.3 A
PHASE LOAD BALANCE	93.1%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	11.56 kVA	14.46 kVA	TOTAL CONNECTED LOAD (AMPS):	15 A
Other	0.84 kVA	0.84 kVA	TOTAL CODE LOAD (AMPS):	18 A
			PERCENT LOADED:	14.66%
TOTAL KVA	12.35 kVA	15.24 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-1-PNL-4-1

LOCATION: ELEC. ROOM 1-154 | **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 DH 4 MECH GALLERY			20 A	1	0.45 0.91			1	20 A			EM LTG CORRIDOR DH 4	2
3	EM LTG DH 4 ZONE d			20 A	1		0.7 1.26		1	20 A			EM LTG ELEC ROOM DH 4	4
5	EM LTG DH 4 ZONE e			20 A	1			1.1 1.1	1	20 A			EM LTG DH 4 ZONE e	6
7	EM LTG DH 4 ZONE a,b,f			20 A	1	1.15								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

BRANCH CIRCUIT LOAD (KVA):	2.45 kVA	1.91 kVA	2.2 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	2.45 kVA	1.91 kVA	2.2 kVA
TOTAL LOAD (AMPS):	9.0 A	6.9 A	8.1 A
PHASE LOAD BALANCE	76.8%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	5.67 kVA	7.09 kVA	TOTAL CONNECTED LOAD (AMPS):	8 A
Other	0.88 kVA	0.88 kVA	TOTAL CODE LOAD (AMPS):	10 A
			PERCENT LOADED:	9.54%
TOTAL KVA	6.51 kVA	7.93 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: 4-2-MSB-1-PNL-1

LOCATION: ELEC. ROOM 1-155 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 100 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. ELEC. ROOM 1-155			20 A	1	1.08 0.72			1	20 A			RECPT. MECHANICAL 1-206	2
3	RECPT. ELEC. ROOM 1-156			20 A	1		1.08 0.72		1	20 A			RECPT. MECHANICAL 1-203	4
5	RECPT. ELEC. ROOM 1-157			20 A	1			1.08 0.54	1	20 A			RECPT. STORAGE 1-205	6
7	RECPT. ELEC. ROOM 1-158			20 A	1	1.08 0.54			1	20 A			RECPT. STORAGE 1-205	8
9	RECPT. CORRIDOR 1-223			20 A	1		0.72 1.08		1	20 A			RECPT. DATA HALL 4-1-204	10
11	RECPT. CORRIDOR 1-223			20 A	1			0.54 1.08	1	20 A			RECPT. DATA HALL 4-1-204	12
13	RECPT. EXT			20 A	1	0.36								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

BRANCH CIRCUIT LOAD (KVA):	3.78 kVA	3.6 kVA	3.24 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	3.78 kVA	3.6 kVA	3.24 kVA
TOTAL LOAD (AMPS):	32.0 A	30.5 A	27.0 A
PHASE LOAD BALANCE	84.48%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
RECPT.	10.62 kVA	10.62 kVA	TOTAL CONNECTED LOAD (AMPS):	29 A
			TOTAL CODE LOAD (AMPS):	29 A
			PERCENT LOADED:	29.48%
TOTAL KVA	10.62 kVA	10.62 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: 4-1-UPS-1-UDP-1

LOCATION: ELEC. ROOM 1-155 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 400 A | **VOLTAGE:** 480V | **ENCLOSURE:** NEMA 1
MAINS TYPE: MCB | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 3 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74 16.74								2
3	FWU-4-1			70 A	3		16.74 16.74		3	70 A			FWU-4-10	4
5								16.74 16.74						6
7						10.95 10.95								8
9	CDU-4-1			100 A	3		10.95 10.95		3	100 A			CDU-4-4	10
11								10.95 10.95						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

BRANCH CIRCUIT LOAD (KVA):	55.37 kVA	55.37 kVA	55.37 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	55.37 kVA	55.37 kVA	55.37 kVA
TOTAL LOAD (AMPS):	199.8 A	199.8 A	199.8 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	166.1 kVA	166.1 kVA	TOTAL CONNECTED LOAD (AMPS):	200 A
			TOTAL CODE LOAD (AMPS):	200 A
			PERCENT LOADED:	49.95%
TOTAL KVA	166.1 kVA	166.1 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: 4-1-MSB-1-MDP-1

LOCATION: ELEC. ROOM 1-155 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 600 A | **VOLTAGE:** 480V | **ENCLOSURE:** NEMA 1
MAINS TYPE: MLO | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 3 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74 16.74								2
3	FWU-4-3			70 A	3		16.74 16.74		3	70 A			FWU-4-6	4
5								16.74 16.74						6
7						16.74 3.41								8
9	FWU-4-14			70 A	3		16.74 3.41		3	70 A			CHW-4-4A	10
11								16.74 3.41						12
13						3.41								14
15	CHW-4-4B			70 A	3		3.41							16
17								3.41						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

BRANCH CIRCUIT LOAD (KVA):	57.02 kVA	57.02 kVA	57.02 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	57.02 kVA	57.02 kVA	57.02 kVA
TOTAL LOAD (AMPS):	205.8 A	205.8 A	205.8 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	171.07 kVA	171.07 kVA	TOTAL CONNECTED LOAD (AMPS):	206 A
			TOTAL CODE LOAD (AMPS):	206 A
			PERCENT LOADED:	34.29%
TOTAL KVA	171.07 kVA	171.07 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: 4-2-UPS-1-UDP-1

LOCATION: ELEC. ROOM 1-156 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 400 A | **VOLTAGE:** 480V | **ENCLOSURE:** NEMA 1
MAINS TYPE: MCB | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 3 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74 16.74								2
3	FWU-4-4			70 A	3		16.74 16.74		3	70 A			FWU-4-12	4
5								16.74 16.74						6
7						10.95 10.95								8
9	CDU-4-2			100 A	3		10.95 10.95		3	100 A			CDU-4-5	10
11								10.95 10.95						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

BRANCH CIRCUIT LOAD (KVA):	55.37 kVA	55.37 kVA	55.37 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	55.37 kVA	55.37 kVA	55.37 kVA
TOTAL LOAD (AMPS):	199.8 A	199.8 A	199.8 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	166.1 kVA	166.1 kVA	TOTAL CONNECTED LOAD (AMPS):	200 A
			TOTAL CODE LOAD (AMPS):	200 A
			PERCENT LOADED:	49.95%
TOTAL KVA	166.1 kVA	166.1 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: 4-2-MSB-1-MDP-1

LOCATION: ELEC. ROOM 1-156 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 600 A | **VOLTAGE:** 480V | **ENCLOSURE:** NEMA 1
MAINS TYPE: MLO | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 3 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74 16.74								2
3	FWU-4-8			70 A	3		16.74 16.74		3	70 A			FWU-4-9	4
5								16.74 16.74						6
7						16.74 3.41								8
9	FWU-4-16			70 A	3		16.74 3.41		3	70 A			CHW-4-3A	10
11								16.74 3.41						12
13						3.41								14
15	CHW-4-3B			70 A	3		3.41							16
17								3.41						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

BRANCH CIRCUIT LOAD (KVA):	57.02 kVA	57.02 kVA	57.02 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	57.02 kVA	57.02 kVA	57.02 kVA
TOTAL LOAD (AMPS):	205.8 A	205.8 A	205.8 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	171.07 kVA	171.07 kVA	TOTAL CONNECTED LOAD (AMPS):	206 A
			TOTAL CODE LOAD (AMPS):	206 A
			PERCENT LOADED:	34.29%
TOTAL KVA	171.07 kVA	171.07 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: 4-3-UPS-1-UDP-1

LOCATION: ELEC. ROOM 1-157 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 400 A | **VOLTAGE:** 480V | **ENCLOSURE:** NEMA 1
MAINS TYPE: MCB | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 3 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74 16.74								2
3	FWU-4-7			70 A	3		16.74 16.74		3	70 A			FWU-4-15	4
5								16.74 16.74						6
7						10.95 10.95								8
9	CDU-4-3			100 A	3		10.95 10.95		3	100 A			CDU-4-6	10
11								10.95 10.95						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

BRANCH CIRCUIT LOAD (KVA):	55.37 kVA	55.37 kVA	55.37 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	55.37 kVA	55.37 kVA	55.37 kVA
TOTAL LOAD (AMPS):	199.8 A	199.8 A	199.8 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	166.1 kVA	166.1 kVA	TOTAL CONNECTED LOAD (AMPS):	200 A
			TOTAL CODE LOAD (AMPS):	200 A
			PERCENT LOADED:	49.95%
TOTAL KVA	166.1 kVA	166.1 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: 4-3-MSB-1-MDP-1

LOCATION: ELEC. ROOM 1-157 | **FED FROM:** | **MOUNTING:** SURFACE
MAINS RATING: 600 A | **VOLTAGE:** 480V | **ENCLOSURE:** NEMA 1
MAINS TYPE: MLO | **PHASE:** 3 | **AFC:** 65 kA
FEED THROUGH LUGS: No | **WIRE:** 3 | **SCCR:** 65 kA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74 16.74								2
3	FWU-4-2			70 A	3		16.74 16.74		3	70 A			FWU-4-5	4
5								16.74 16.74						6
7						16.74 16.74								8
9	FWU-4-11			70 A	3		16.74 16.74		3	70 A			FWU-4-13	10
11								16.74 16.74						12
13						3.41 3.41								14
15	CHW-4-2A			70 A	3		3.41 3.41		3	70 A			CHW-4-2B	16
17								3.41 3.41						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

BRANCH CIRCUIT LOAD (KVA):	73.76 kVA	73.76 kVA	73.76 kVA
FEED THROUGH LUGS LOAD...	0 kVA	0 kVA	0 kVA
TOTAL PANEL LOAD (KVA):	73.76 kVA	73.76 kVA	73.76 kVA
TOTAL LOAD (AMPS):	266.2 A	266.2 A	266.2 A
PHASE LOAD BALANCE	100%		

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Power	221.28 kVA	221.28 kVA	TOTAL CONNECTED LOAD (AMPS):	266 A
			TOTAL CODE LOAD (AMPS):	266 A
			PERCENT LOADED:	44.36%
TOTAL KVA	221.28 kVA	221.28 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

4-3-MSB-1-PNL-1	A-1-INV-1-PNL-4-1	4-2-MSB-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 - 1D

JOB US0049903.5614
SHEET
E05-04

1/23/2026 12:49:52 PM E05-04 PANEL SCHEDULES - 1D