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A RESTORATION FOR
RPS Administration Building
500 W Walnut St. Rogers AR 72756

DRAWN BY: AS
CHECK BY: MR
ISSUE DATE: 11/25/2025
PROJECT NO: 2534
REVISION DATES: 12/17/2025

ELECTRICAL SCHEDULES
SHEET
E4.1
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HSA JOB # 25-155

HSA HSAEngineering
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7405 Ellis St.
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Panel Name: L3B
Amp Rating: 225 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire: 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: NQ
Mounting: Surface
Remarks: CU BUS

Fault Rating: SERIES
Fed From: L3A
Location: ELECTRICAL 103

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF Wires	Poles	TRIP	CKT	A	B	C	CKT	TRIP	Poles	# OF Wires	GRD. SIZE	WIRE COND. SIZE	Circuit Description		
R - SW OFFICES	1/2"	12	12	3	1	20	1	900	900		2	20	1	3	12	12	1/2"	R - WOMENS TOILET	
R - SW OFFICES	1/2"	12	12	3	1	20	3		900	600	4	20	1	3	12	12	1/2"	R - WATER COOLER HALLWAY	
R - NW OFFICES	1/2"	12	12	3	1	20	5				6	20	1	3	12	12	1/2"	R - FRONT DESK/LOBBY	
R - N CONFERENCE ROOM	1/2"	12	12	3	1	20	7	900	720		8	20	1	3	12	12	1/2"	R - FRONT DESK/HALLWAY	
R - MENS TOILET	1/2"	12	12	3	1	20	9		900	720	10	20	1	3	12	12	1/2"	R - CENTRAL SECRETARIAL	
R - ELECTRICAL/HALLWAY	1/2"	12	12	3	1	20	11			720	12	20	1	3	12	12	1/2"	R - CENTRAL OFFICE	
VAV BOXES - N INTERIOR	1/2"	10	10	3	1	30	13	250	0		14	20	2					Spare	
Spare							15			0	16								Spare
Spare							17			0	18								Spare
Spare							19	0	0		20								Spare
Spare							21			0	22								Spare
Spare							23			0	24								Spare
Spare							25	0	0		26								Spare
Spare							27			0	28								Spare
Spare							29			0	30								Spare
Spare							30			0	30								Spare
Total Load:								3670 VA		3120 VA							3060 VA		
Total Amps:								31 A		26 A							26 A		

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	0 VA	0.00%	0 VA	
Receptacle	9600 VA	100.00%	9600 VA	Total Conn. Load: 9600 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand: 9600 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current: 27 A
Other	250 VA	100.00%	250 VA	Total Est. Demand Current: 27 A
Kitchen	0 VA	0.00%	0 VA	

Notes:
*CIRCUIT REQUIRES GFCI BREAKER

Panel Name: P
Amp Rating: 225 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire: 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: NQ
Mounting: Surface
Remarks: CU BUS

Fault Rating: SERIES
Fed From: MDP
Location: B01A

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF Wires	Poles	TRIP	CKT	A	B	C	CKT	TRIP	Poles	# OF Wires	GRD. SIZE	WIRE COND. SIZE	Circuit Description	
AHU1				3	100	1	0	0			2	100	3				CHWP1	
							3				4							
							5				6							
AHU2				3	30	7	0	0			8	30	3				CHWP2	
							9				10							
							11				12							
HWP2				3	60	13	0	0			14	60	3				HWP1	
							15				16							
							17				18							
PAN6				3	30	19	0	0			20	30	3				PAN7	
							21				22							
							23				24							
SUMP PUMP				3	30	25	0	0			26	30	3				AIR COMPRESSOR	
							27				28							
							29				30							
SENEGE MOTOR				3	30	31	0	0			32	30	3				COMPUTER AC	
							33				34							
							35				36							
Spare				3	20	37	0	0			38	20	3				Spare	
							39				40							
							41				42							
Total Load:								0 VA		0 VA							0 VA	
Total Amps:								0 A		0 A							0 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	0 VA	0.00%	0 VA	
Receptacle	0 VA	0.00%	0 VA	Total Conn. Load: 0 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand: 0 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current: 0 A
Other	0 VA	0.00%	0 VA	Total Est. Demand Current: 0 A
Kitchen	0 VA	0.00%	0 VA	

Notes:
FIELD VERIFY FUSE SIZE OF ALL EXISTING CIRCUIT IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BREAKER SIZE IS TO MATCH EXISTING FUSE SIZE.

Panel Name: MDP
Amp Rating: 800 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire: 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: I-LINE
Remarks: CU BUS

Fault Current:
LOCATION: B01A

CKT	Circuit Description	Frame	Rating	Poles	A	B	C	Remarks
1	PANEL P	200 A	200 A	3	0 VA	0 VA	0 VA	FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BREAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
2	PANEL L3A	200 A	125 A	3	9228 VA	8164 VA	7125 VA	
3	PANEL L1	200 A	200 A	1	0 VA			FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BREAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
4	PANEL L2A	200 A	200 A	1	0 VA			FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BREAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
5	PANEL L2B	200 A	200 A	1	0 VA			FIELD VERIFY FUSE SIZE IN EXISTING PANEL PRIOR TO ORDERING BREAKER. BREAKER SIZE IS TO MATCH EXISTING FUSE SIZE.
6	CHILLER	400 A	400 A	1	0 VA			
7	Spare	100 A	100 A	1	0 VA			
8	Spare	200 A	200 A	1	0 VA			
9	SPD	60 A	60 A	1	0 VA			
10								

Connected Load	Demand Factor	Estimated Demand	Panel Totals
9228 VA	8164 VA	7125 VA	
77 A	69 A	64 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1014 VA	100.00%	1014 VA	
Receptacle	20220 VA	74.73%	15110 VA	Total Conn. Load: 25117 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand: 20006 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current: 70 A
Other	3804 VA	100.00%	3804 VA	Total Est. Demand Current: 56 A
Kitchen	0 VA	0.00%	0 VA	

Notes:

Panel Name: L3A
Amp Rating: 225 A
Mains: MLO
MCB Rating: N/A
Volts/Phase/Wire: 120/208 Wye / 3 / 4

Manufacturer: SQUARE D
Panel Type: NQ
Mounting: Surface
Remarks: CU BUS, FEED THRU LUGS

Fault Rating: SERIES
Fed From: MDP
Location: ELECTRICAL 103

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF Wires	Poles	TRIP	CKT	A	B	C	CKT	TRIP	Poles	# OF Wires	GRD. SIZE	WIRE COND. SIZE	Circuit Description	
L - SW BUILDING	1/2"	12	12	3	1	20	1	759	720		2	20	1	3	12	12	1/2"	R - CENTRAL SECRETARIAL
L - SE BUILDING	1/2"	12	12	3	1	20	3		1614	540	4	20	1	3	12	12	1/2"	R - CENTRAL SECRETARIAL
L - NE BUILDING	1/2"	12	12	3	1	20	5			953	6	20	1	3	12	12	1/2"	R - HEAT TAPE BREAK ROOM
R - ESL DIRECTOR	1/2"	12	12	3	1	20	7	720	600		8	20	1	3	12	12	1/2"	R - ICE MAKER BREAK ROOM
R - VAULT/BREAK ROOM	1/2"	12	12	3	1	20	9		900	180	10	20	1	3	12	12	1/2"	R - BREAK ROOM
R - COPY	1/2"	12	12	3	1	20	11			720	12	20	1	3	12	12	1/2"	R - BREAK ROOM
R - REFRIGERATOR BREAK ROOM	1/2"	12	12	3	1	20	13	1200	180		14	20	1	3	12	12	1/2"	R - REFRIGERATOR BREAK ROOM
R - MICROWAVE BREAK ROOM	1/2"	12	12	3	1	20	15		1200	180	16	20	1	3	12	12	1/2"	R - BREAK ROOM
R - MICROWAVE BREAK ROOM	1/2"	12	12	3	1	20	17			1200	18	20	1	3	12	12	1/2"	R - BREAK ROOM
R - BREAK ROOM	1/2"	12	12	3	1	20	19	1200	180		20	20	1	3	12	12	1/2"	R - BREAK ROOM
VAV BOXES - S INTERIOR	1/2"	10	10	3	1	30	21		250	180	22	20	1	3	12	12	1/2"	R - COPIER
R - COPIER	1/2"	12	12	3	1	20	23			180	24	20	1	3	12	12	1/2"	L - NE BUILDING
Spare							25	0	0		26	20	1					Spare
Spare							27			0	28	20	1					Spare
Spare							29			0	30	20	1					Spare
Spare							30			0	30	20	1					Spare
Total Load:								9228 VA		8164 VA							7125 VA	
Total Amps:								77 A		69 A							64 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1014 VA	100.00%	1014 VA	
Receptacle	20220 VA	74.73%	15110 VA	Total Conn. Load: 25117 VA
HVAC	0 VA	0.00%	0 VA	Total Est. Demand: 20006 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current: 70 A
Other	3804 VA	100.00%	3804 VA	Total Est. Demand Current: 56 A
Kitchen	0 VA	0.00%	0 VA	

Notes: