Branch Panel: H2

Location:
Supply From: MSWB
Mounting: Surface

Volts: 277/480 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Enclosure: Type 1
Mains: 600A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
--	1	EXISTING	--	20	1	59.1 / 0.0			1	20	-- EXISTING	2	--
--	3	EXISTING	--	20	1		58.9 / 0.0		1	20	-- EXISTING	4	--
--	5	EXISTING	--	20	1			56.3 / 0.0	1	20	-- EXISTING	6	--
--	7	EXISTING	--	20	1	0.0 / 0.0			1	20	-- EXISTING	8	--
--	9	EXISTING	--	20	1		0.0 / 0.0		1	--	-- SPACE	10	--
--	11	EXISTING	--	20	1			0.0 / 0.0	1	20	-- EXISTING	12	--
--	13	EXISTING	--	20	1	0.0 / 0.0						14	
--	15	EXISTING	--	20	1		0.0 / 0.0		3	40	-- EXISTING	16	--
--	17	EXISTING	--	20	1			0.0 / 0.0				18	
	19					0.0 / 0.0						20	
--	21	EXISTING	--	40	3		0.0 / 0.0		3	40	-- EXISTING	22	--
	23							0.0 / 0.0				24	
	25					0.0 / 0.0			1	20	-- EXISTING	26	--
--	27	EXISTING	--	60	3		0.0 / 8.4					28	
	29							0.0 / 8.4	3	40	#8 P-3	30	
	31					0.0 / 8.4						32	
--	33	EXISTING	--	20	2		0.0 / 8.4					34	
--	35	EXISTING	--	20	2			0.0 / 8.4	3	40	#8 P-4	36	
	37					0.0 / 8.4						38	
	39						1.2 / 7.3					40	
	41	CT PUMP	#12	20	3			1.2 / 7.3	3	35	#8 CT FAN	42	
	43					1.2 / 7.3						44	
	45						0.0 / 3.0		2	20	#12 CT HEATER	46	
	47							0.0 / 3.0				48	
	49											50	
	51											52	
	53											54	
			Total Load:			84.4 kVA	87.2 kVA	84.6 kVA					
			Total Amps:			305 A	315 A	305 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	25.3 kVA	100.00%	25.3 kVA		
Miscellaneous	31.3 kVA	100.00%	31.3 kVA	**Total Conn. Load:**	256.1 kVA
Motor	25.3 kVA	100.00%	25.3 kVA	**Total Est. Demand:**	256.1 kVA
Spare	174.3 kVA	100.00%	174.3 kVA	**Total Conn. Current:**	308 A
				Total Est. Demand Current:	308 A

Notes:
NEW PANEL

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE
M - PROVIDE METERING DEVICE

Branch Panel: HP

Location:
Supply From: MSWB
Mounting: Surface

Volts: 277/480 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Enclosure: Type 1
Mains: 600A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker	Wire	Circuit Description	CKT	Note
	1	WSHP-5	#12	20	1	3.5 / 3.9						2	
	3	WSHP-4	#12	20	1		3.5 / 3.9		3	20	#12 WSHP-7	4	
	5	WSHP-49	#12	20	1			3.5 / 3.9				6	
	7	WSHP-50	#12	20	1	3.5 / 3.9						8	
	9	WSHP-51	#12	20	1		3.5 / 3.9		3	20	#12 WSHP-10	10	
	11	WSHP-6	#10	25	1			4.0 / 3.9				12	
	13	WSHP-43	#10	25	1	4.0 / 3.9						14	
	15	WSHP-44	#10	25	1		4.0 / 3.9		3	20	#12 WSHP-1	16	
	17	WSHP-45	#10	25	1			4.0 / 3.9				18	
	19	WSHP-3	#10	25	1	4.0 / 3.9						20	
	21	WSHP-48	#10	25	1		4.0 / 3.9		3	20	#12 WSHP-2	22	
	23	WSHP-8	#10	25	1			4.0 / 3.9				24	
	25	WSHP-14	#10	25	1	4.2 / 3.9						26	
	27	WSHP-46	#10	25	1		4.0 / 3.9		3	20	#12 WSHP-16	28	
	29	WSHP-40	#12	20	1			3.5 / 3.9				30	
	31	WSHP-41	#12	20	1	3.5 / 4.0						32	
	33	WSHP-42	#12	20	1		3.5 / 4.0		3	20	#12 WSHP-15	34	
	35	WSHP-22	#10	25	1			4.0 / 4.0				36	
	37	WSHP-24	#10	25	1	4.0 / 3.9						38	
	39	WSHP-31	#10	25	1		4.0 / 3.9		3	20	#12 WSHP-9	40	
	41	WSHP-32	#10	25	1			4.0 / 3.9				42	
	43	WSHP-33	#10	25	1	4.0 / 5.7						44	
	45	WSHP-34	#10	25	1		4.0 / 5.7		3	30	#10 WSHP-11	46	
	47	WSHP-35	#10	25	1			4.0 / 5.7				48	
	49	WSHP-36	#10	25	1	4.0 / 5.7						50	
	51	WSHP-39	#10	25	1		4.0 / 5.7		3	30	#10 WSHP-12	52	
	53	WSHP-23	#10	25	1			4.0 / 5.7				54	
	55	WSHP-20	#10	25	1	4.0 / 4.0						56	
	57	WSHP-21	#10	25	1		4.0 / 4.0		3	20	#12 WSHP-13A	58	
	59	WSHP-30	#10	25	1			4.0 / 4.0				60	
	61	WSHP-37	#10	25	1	4.0 / 3.9						62	
	63						4.0 / 3.9		3	20	#12 WSHP-27	64	
	65	HP-19	#12	20	3			4.0 / 3.9				66	
	67					4.0 / 3.9						68	
	69						4.0 / 3.9		3	20	#12 WSHP-29	70	
	71	WSHP-25	#12	20	3			4.0 / 3.9				72	
	73					4.0 / 4.0						74	
	75						4.0 / 4.0		3	20	#12 WSHP-17	76	
	77	WSHP-13B	#12	20	3			4.0 / 4.0				78	
	79					4.0 / 4.0						80	
	81						0.0 / 4.0		3	20	#12 WSHP-18	82	
	83							0.0 / 4.0				84	
	85											86	
	87											88	
	89											90	
	91											92	
	93											94	
	95											96	
	97											98	
	99											100	
	101											102	
	103											104	
	105											106	
	107											108	
			Total Load:			113.5 kVA	109.3 kVA	109.8 kVA					
			Total Amps:			410 A	394 A	397 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	85.6 kVA	100.00%	85.6 kVA		
Other	247.0 kVA	100.00%	247.0 kVA	**Total Conn. Load:**	332.6 kVA
				Total Est. Demand:	332.6 kVA
				Total Conn. Current:	400 A
				Total Est. Demand Current:	400 A

Notes:
NEW PANEL

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE
M - PROVIDE METERING DEVICE

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SALAS O'BRIEN
MECHANICAL / ELECTRICAL

PROFESSIONAL ENGINEER
TIMOTHY VAN OSTRAN
32650
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OKLAHOMA

DWG
drawn by

TVO
checked by

JANUARY 2026
date

REVISIONS

Δ	DESCRIPTION	DATE

MOORE PUBLIC SCHOOLS

WAYLAND BONDS
2025 HVAC

sheet no:

E602

Salas O'Brien
Oklahoma City
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Moore, OK. 73160
CA#: 7058 Expiration Date: 06/30/2027
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