

Part 2





Homework

Homework #1

The natural gas range/convection blower is served by which electrical panel and CKT?

- A. LN2B2-10
- B. LN2B2-7
- C. LEQ2A1-11
- D. LN2B2-14

Homework #2

The factory wired controller for RTU-5 is connected to what circuit?

- A. DHEQB1-7,8
- B. LEOQB1-21,8
- C. DHEQB1-7
- D. DHEQB1-8

Resolution

Homework #1

The natural gas range/convection blower is served by which electrical panel and CKT?

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- C. LEQ2A1-11
- D. LN2B2-14

Homework #2

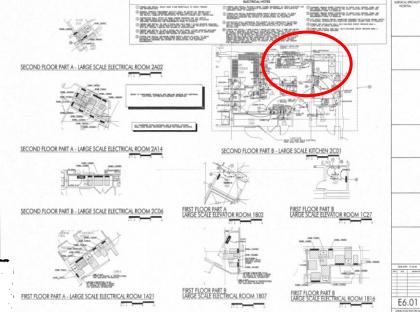
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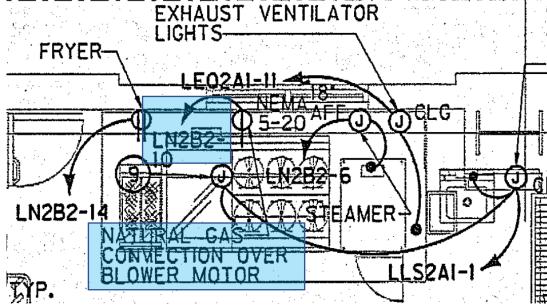
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- C. LEQ2A1-11
- D. LN2B2-14

Look in the Electrical drawings for an enlarged plan or the kitchen area









The factory wired controller for RTU-5 is connected to what circuit?

- A. DHEQB1-7,8
- B. LEOQB1-21,8
- C. DHEQB1-7
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On E0.04, look at the Roof Equipment schedule

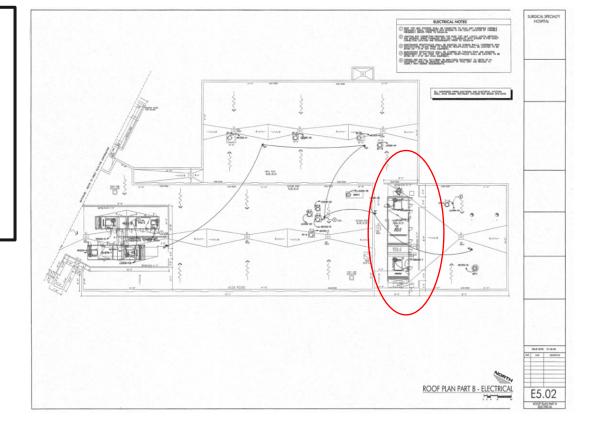
QUIPMENT ID	EQUIPMENT TYPE	LOCATION	VOLTAGE/PHASE	AMPERAGE	WATTS	HP	BRANCH	CONNECTION TYPE	WIRE SIZE	CATEGORY	REMARKS
EF-1	EXHAUST FAN	ROOF PART A	120/1			1/6	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
EF-2	EXHAUST FAN	ROOF PART A	120/1			1/3	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
EF-3	EXHAUST FAN	ROOF PART A	120/1	les program		1/2	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
RTU-1	SUPPLY FAN	ROOF PART A	480/3			30	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#8,1#10G	HVAC	CONTROL PANEL, VFD, AND LIGHT FURNISHED WITH UNIT
RTU-1	RETURN FAN	ROOF PART A	480/3	Transfer of		7.5	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#12,1#12G	HVAC	CONTROL PANEL, VFD, AND LIGHT
RTU-2	SUPPLY FAN	ROOF PART A	480/3	egentik,	100	20	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#10,1#12G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
RTU-2	RETURN FAN	ROOF PART A	480/3			5	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#12,1#12G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
EF-4	EXHAUST FAN	ROOF PART A	120/1			1/2	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
EF-5	EXHAUST FAN	ROOF PART A	120/1			1/2	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
RTU-3	SUPPLY FAN	ROOF PART B	480/3	Person (Ville		30	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#8,1#10G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
RTU-3	RETURN FAN	ROOF PART B	480/3	1,24,5		7,5	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#12,1#12G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
RTU-4	SUPPLY FAN	ROOF PART B	480/3	The second	2 (V. 18)	30	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#8,1#10G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
RTU-4	RETURN FAN	ROOF PART B	480/3		- 11 to 450	7.5	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#12,1#12G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
EF-6	EXHAUST FAN	ROOF PART B	480/3			1	EQUIPMENT	DIRECT CONNECTION	3#12,1#12Q	MOTOR	DISCONNECT PROVIDED WITH UN FVNR COMB. STARTER IN MCC
EF-7	EXHAUST FAN	ROOF PART B	120/1	Tight is the		1/3	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
EF-8	EXHAUST FAN	ROOF PART B	480/3	Sept. Alson	100	.1	EQUIPMENT	DIRECT CONNECTION	3#12,1#12G	MOTOR	DISCONNECT PROVIDED WITH UP FVNR COMB, STARTER IN MCC
EF-9	EXHAUST FAN	ROOF PART B	120/1		No. Visit	1/4	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
EF-10	EXHAUST FAN	ROOF PART B	480/3	and they	775.99	2	EQUIPMENT	DIRECT CONNECTION	3#12,1#12G	MOTOR	DISCONNECT PROVIDED WITH UN FVNR COMB. STARTER IN MCC
EF-11	EXHAUST FAN	ROOF PART B	120/1			3/4	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED WITH UN
EF-12	EXHAUST FAN	ROOF PART B	480/3			1	EQUIPMENT	DIRECT CONNECTION	3#12,1#12G	MOTOR	DISCONNECT PROVIDED WITH UN FVNR COMB. STARTER IN MCC
EF-13	EXHAUST FAN	ROOF PART B	120/1	New Control		1/4	EQUIPMENT	30/3/NEMA 3R DISCONNECT AT UNIT	2#12,1#12G	MOTOR	
MAU-1	MAKE-UP AIR UNIT	ROOF PART B	480/3			1/4	EQUIPMENT	30/3/NEMA 3R DISCONNECT AT UNIT	3#12,1#12G	HVAC	FVNR COMBINATION STARTER IN MCC
RTU-5	SUPPLY FAN	ROOF PART B	480/3			75	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#1,1#6G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
RTU-5	RETURN FAN	ROOF PART B	480/3		ALC: T	25	EQUIPMENT	SINGLE POINT - CONTROL PANEL	3#8,1#10G	HVAC	CONTROL PANEL, VFD, AND LIGH FURNISHED WITH UNIT
EF-14	EXHAUST FAN	ROOF PART B	120/1			1/6	EQUIPMENT	DIRECT CONNECTION	2#12,1#12G	MOTOR	DISCONNECT PROVIDED IN UNIT
SF-1	EXHAUST FAN	ROOF PART B	480/3	. parties 7	100	3	EQUIPMENT	30/3/NEMA 3R DISCONNECT AT UNIT	2#12,1#12G	MOTOR	FVNR COMBINATION STARTER



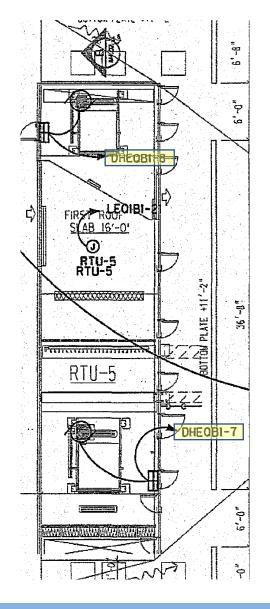


The factory wired controller for RTU-5 is connected to what circuit?

- A. DHEQB1-7,8
- B. LEOQB1-21,8
- C. DHEQB1-7
- D. DHEQB1-8



In the Electrical Roof Plan, look for the RTU-5. There are 2 circuit connected. Let's verify into the schedule





The factory wired controller for RTU-5 is connected to what circuit?

A. **DHEQB1-7,8**

B. LEOQB1-21,8

C. DHEQB1-7

D. DHEQB1-8



		DEVICE TYPE: Break ICE FAMILY: Plug					MLO BUS RATING(A): 800 3-Phose 4-Wire WITHSTAND(A): 65000 FAULT CURRENT(A) 41203
ND CUBICLE	DESCRIPTION	CONNECTED DEMAND	DESIGN kVA	DESIGN AMPS	DC DEVICE TYPE SIZE	P	NOTES
2 3 4 5	MCCEO BUS TEO1B2 PRI HEO2A1 BUS STER1\$ STERILIZER SPACE STERIS WASHER	135.69 133. 1.24 1. 171.14 171. 30.76 30. 0.00 0.	24 1.24 14 171.14 76 30.76 00 0.00	167.70 1.49 205.85 37.00 0.00	250	3333	REFER TO ONE-LINE REFER TO ONE-LINE REFER TO ONE-LINE 3#8.1#10G
7 8	RTU-5 SUPPY RTU-5 RETURN SPACE	79.81 79. 28.27 28.	27 28.27	96.00 34.00	CB 70	3	3#1.1#6G 3#8.1#10G
11 12	SPACE SPACE SPACE SPACE SPACE SPACE	46.63 46. 0.00 0. 0.00 0. 0.00 0.		0.00 70.10 0.00 0.00 0.00	250 CB 100 250 250 250 250	333333	REFER TO ONE-LINE
ALL CON TOTAL C TOTAL C	CONNECTED 492.23 DEMAND 490.25	AMPS # F 595.9 # A 592.3 # B 604.7 # C	-N 1	VA 62632.8 65132.3 64479.7	AMPS 586.9 595.9 593.5	DE	IS TOTALS KVA DNNECTED 492.23 EMAND 490.26 ESIGN 500.58

And it is confirmed.







