

## **Additional Questions:**

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**Question 1: Please see below note 29 from drawing E1-02 which is confusing. Please advise which discipline this particular “RelaQuestionsy Control Panel” falls, either nurse call supplier or lighting control supplier or distribution panel supplier. Suppliers are requesting this information along with a schematic wiring diagram for relay control panel showing completely nurse station console signal, distribution breaker and solenoid valve circuit which in turn giving feedback to nurse call console in order to build “Relay Control Panel”.**



**PROVIDE RELAY CONTROL PANEL WHERE SHOWN. PANELS SHALL RECEIVE CONTROL SIGNALS FROM THE NURSE STATION CONSOLE TO SIMULTANEOUSLY:**

- 1) TRIGGER SHUNT-TRIP BREAKERS OR CONTACTORS ISOLATING ALL POWER CIRCUITS FOR THE ASSIGNED GROUPS OF PICU PATIENT ROOMS.**
- 2) ENERGIZE/DE-ENERGIZE LOW VOLTAGE CONTROL CIRCUITS ROUTED TO NORMALLY CLOSED ELECTRONIC SOLENOID VALVES ON THE MAIN DOMESTIC WATER SUPPLY LINES FOR THE ASSIGNED GROUPS OF PICU ROOMS.**
- 3) PROVIDE FEEDBACK TO THE NURSE STATION CONSOLE FOR LED STATUS INDICATIONS. COORDINATE REQUISITE CONDUIT RUNS, VOLTAGES, AND TERMINATIONS WITH MECHANICAL CONTRACTOR.**

**a) Please confirm total how many nurse call console signals we will get?**

Refer to ADD# E-02 issued with HJA addendum No.02, included in this addendum.

**b) Please provide the assigned group of rooms to determine the quantity of relays and wiring required out to the rooms.**

Each PICU room is a 'zone' (14 total).

**c) Which breakers will get triggered and from which panel?**

No breakers are triggered. Refer to ADD# E-02 issued with HJA addendum No.02, included in this addendum.

**d) Do we have to provide contactor or breaker with shunt trip?**

Contactor controlled by the relay panel. See addendum E-02. Refer to ADD# E-02 issued with HJA addendum No.02, included in this addendum.

**e) Are these breakers located in 4 new breaker panels which are replacing?**

No breakers will be triggered as contactors will be used. Refer to ADD# E-02 issued with HJA addendum No.02, included in this addendum

- f) **How many nurse call consoles are existing on site or do we have to supply new nurse call consoles? If new are required how many nurse call consoles are required? Need location of these consoles on floor plan.**

Refer to ADD# E-02 issued with HJA addendum No.02, included in this addendum

**Question 2: Detail 4/E2-03, Nurse Call Diagram,**

- a) **shows number of devices which are not shown on floor plan such as code blue station CB, Code White Station CW, Control Panel CP, Patient Station Single PS1. Please give us locations of these devices on floor plan to decide the quantity to seek appropriate quotation from system supplier and decide conduit & wires.**

It is a typical detail to give direction, not everything is applicable. Refer to plans for device quantities.

- b) **NCP needs power UPS Power panel. Please show location of UPS power panel on floor plan.**

There is no existing UPS. There is no requirement for a new UPS.

- c) **Is this UPS new? If yes, who is supplying this UPS? What are the ratings of UPS? Please confirm.**

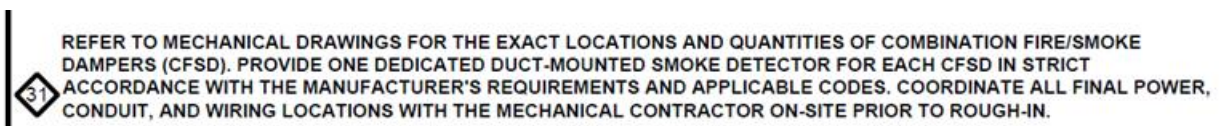
There is no existing UPS. There is no requirement for a new UPS.

- d) **Where is the Rack for the Nurse Call System located?**

New rack to be installed in EX. ELEC/TEL. ROOM 3135.

**Question 3: Please see Note 31 from drawing E1-02,**

- a) **regarding Combination Fire/Smoke Damper (CFSD). Supplier came back indicating they can not decide quantity of CFSD and duct mounted smoke detector unless and until those appear on electrical floor plans.**



They are shown on the power and systems plan.

**Question 4: Please extend RFI & closing dates by 15 days each.**

**Answer 4:** This requested has been addressed in RFQ addendum No.01

**Question 5: As per electrical addendum E-01, we have to provide 4 new 150A breakers in existing panels PP-SD-B-EAA & PP-SD-B-AA. Here, we need photos of these panels with breakers details and panel details such as manufacturer, panel amperage, voltage and KA Rating.**

Photos below







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PANELBOARD / PANNEAUX

TYPE C D P

600 A 120/208 V

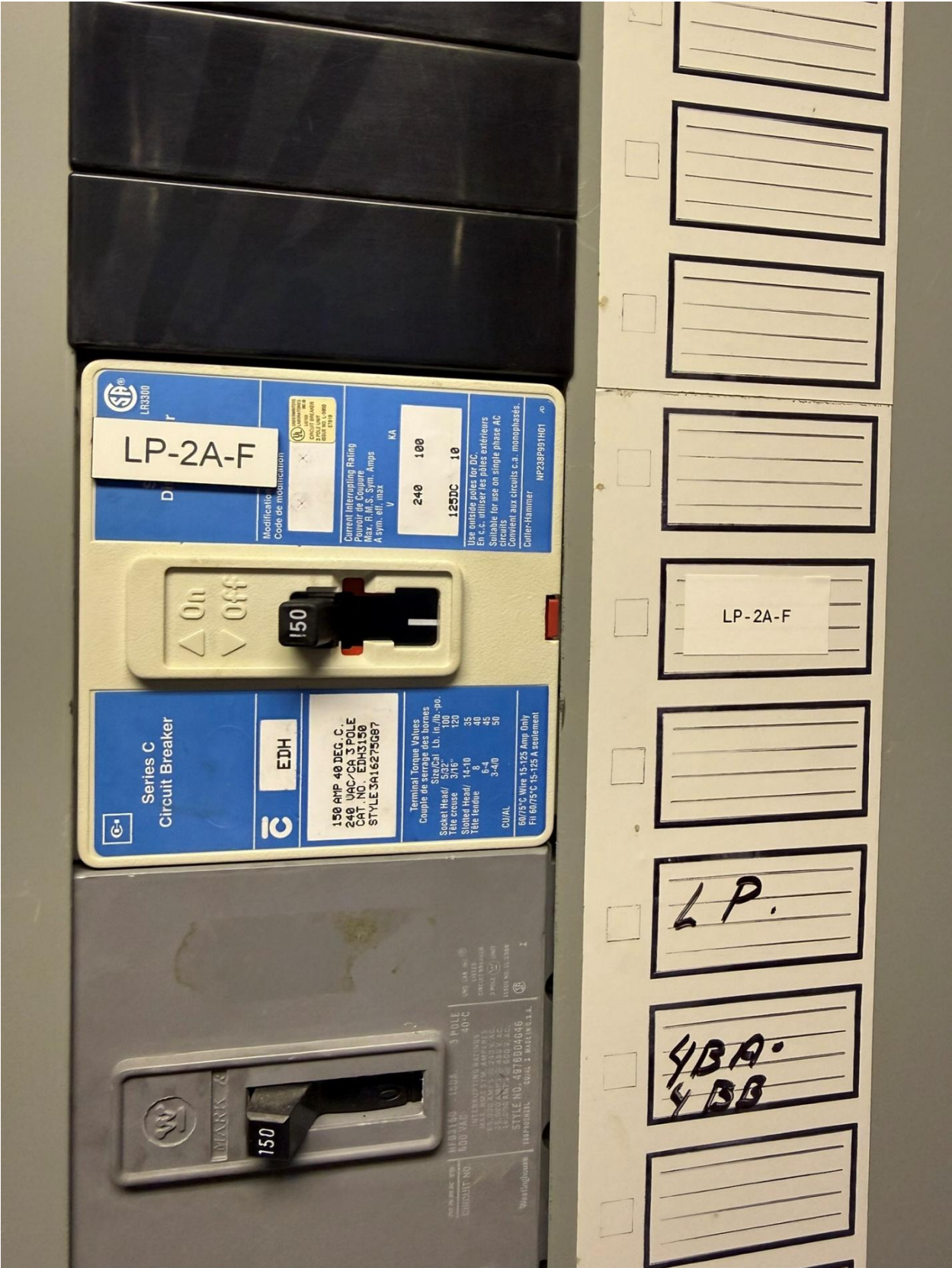
3 PH 4 W 60 HZ

BREAKER IS TRIPPED WHEN HANDLE  
IS IN A POSITION MIDWAY BETWEEN  
" ON " AND " OFF " TO RESET - MOVE  
HANDLE TO " OFF ", THEN TO " ON "

LE DISJONCTEUR EST DECLENCHE QUAND  
LE MANCHON EST A MI-CHEMIN ENTRE  
LA POSITION OUVERTE ET LA POSITION  
FERMEE. POUR REFERMER, POUSSER LE  
MANCHON. LA POSITION OUVERTE ET EN-  
SUITE DANS LA POSITION FERMEE.

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PANELBOARD / PANNEAUX

TYPE C D P

400 A 120/208 V

3 PH 4 W 60 HZ

BREAKER IS TRIPPED WHEN HANDLE  
IS IN A POSITION MIDWAY BETWEEN  
" ON " AND " OFF " TO RESET-MOVE  
HANDLE TO " OFF ", THEN TO " ON "

LE DISJONCTEUR EST DECLENCHE QUAND  
LE MANCHON EST A MI-CHEMIN ENTRE  
LA POSITION OUVERTE ET LA POSITION  
FERMEE. POUR REFERMER, POUSSER LE  
MANCHON. LA POSITION OUVERTE ET EN-  
SUITE DANS LA POSITION FERMEE.

WESTINGHOUSE CANADA LIMITED

**TORONTO, ONTARIO**

DATE Aug. /84

**TECHTRIC**

ENGINEERING LTD.  
3011 Markham Rd, Unit #4, Scarborough, Ont. M1X 1L7

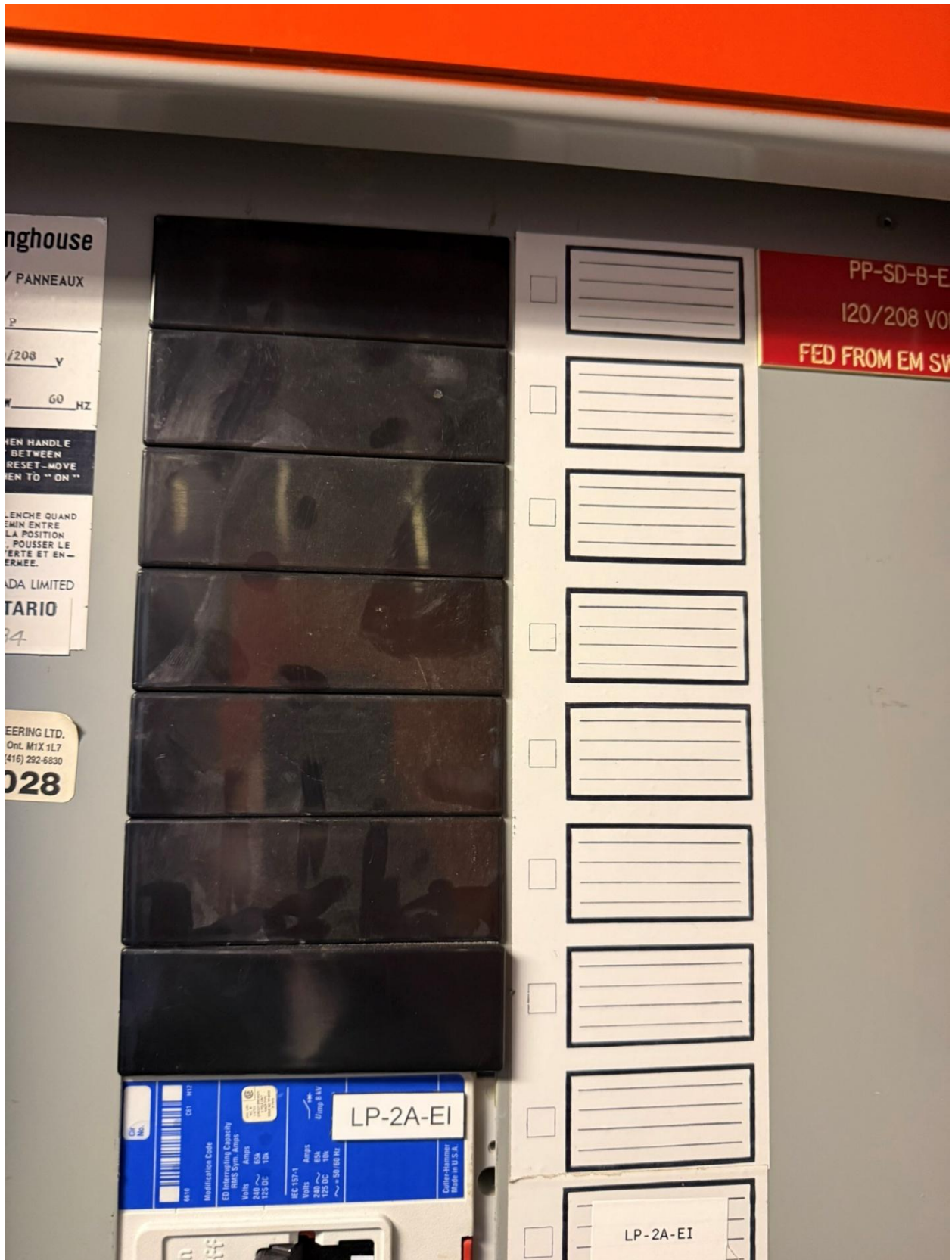
Nov 93

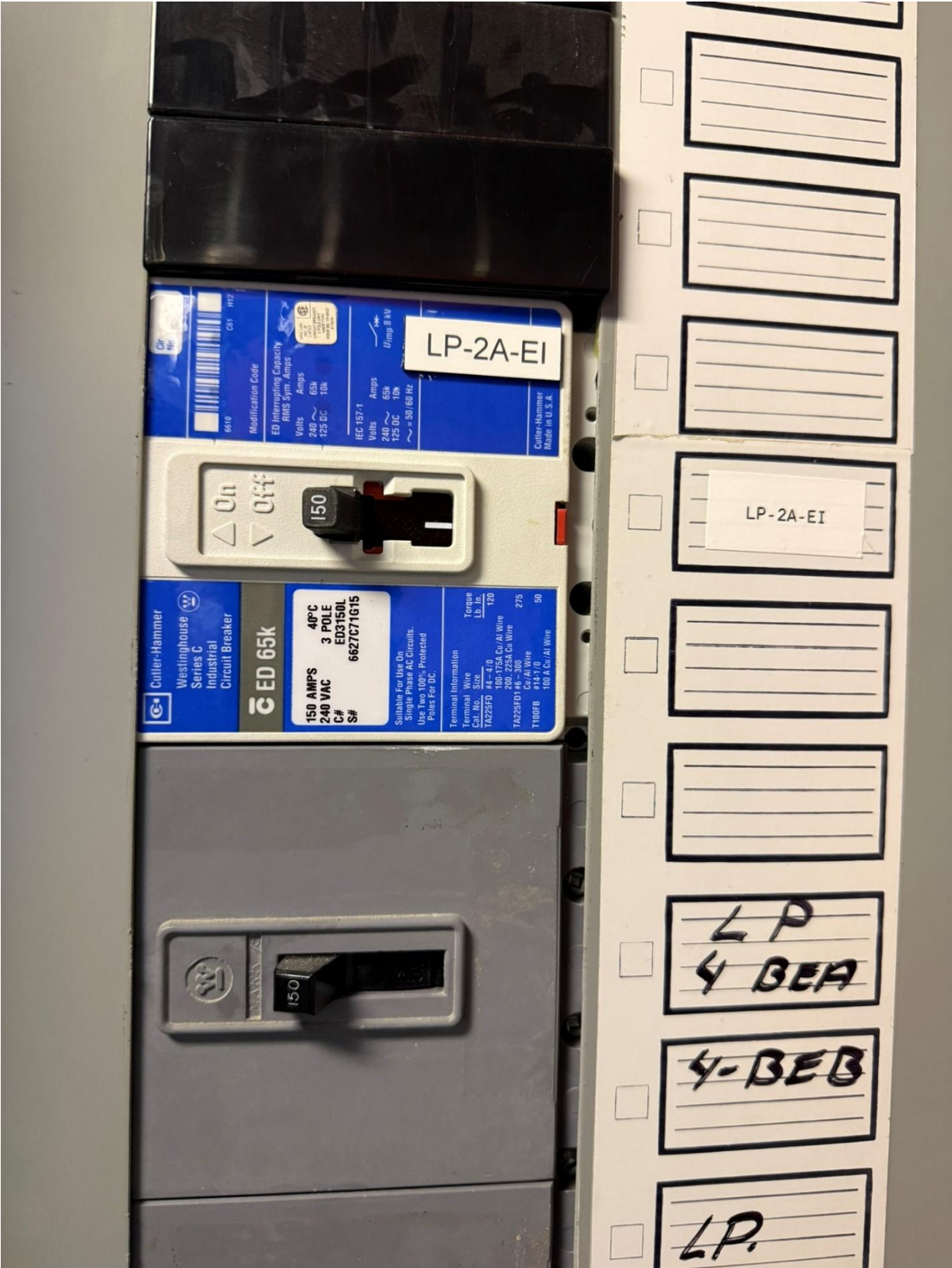
FAX: (416) 292-6830

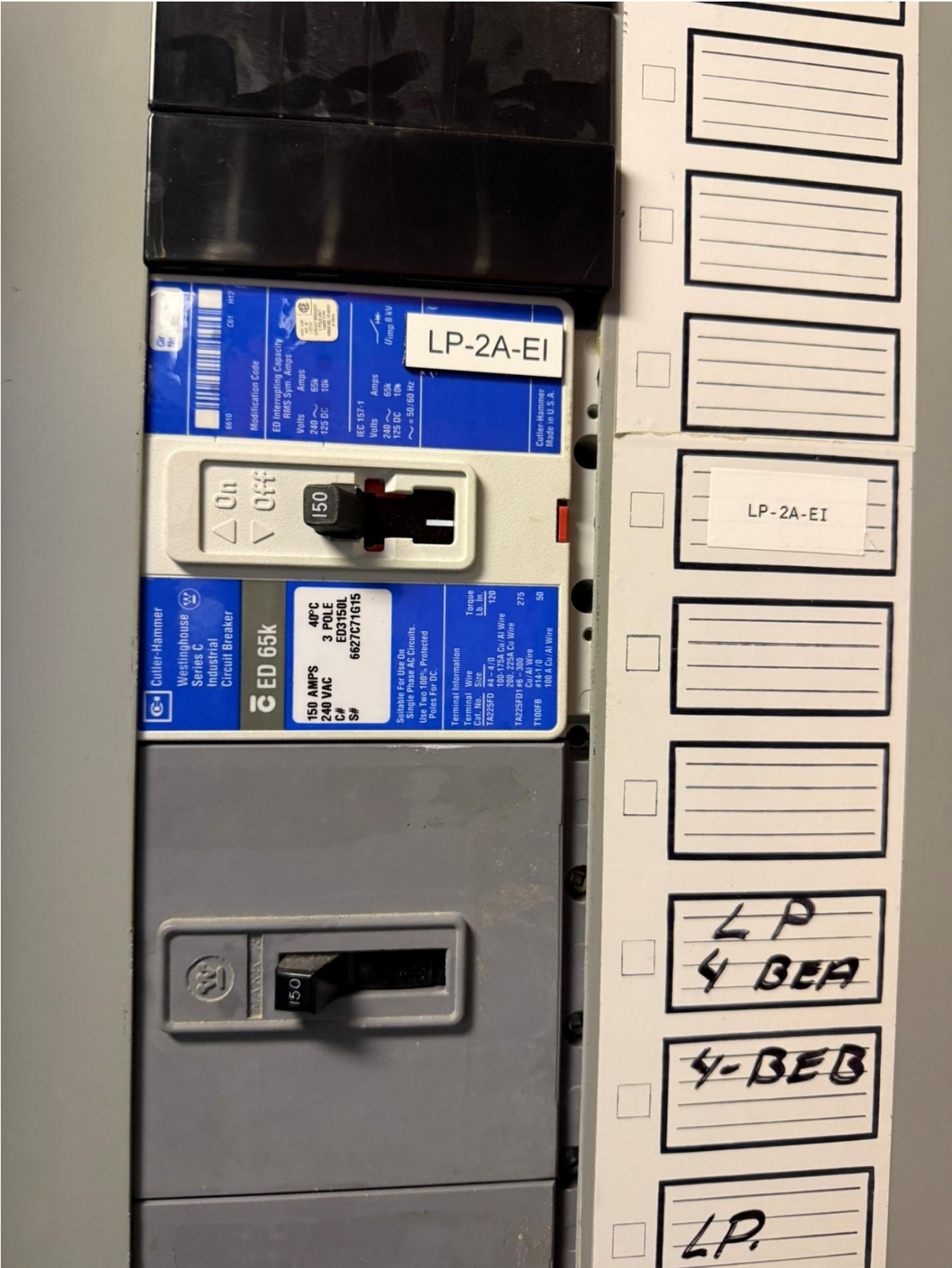
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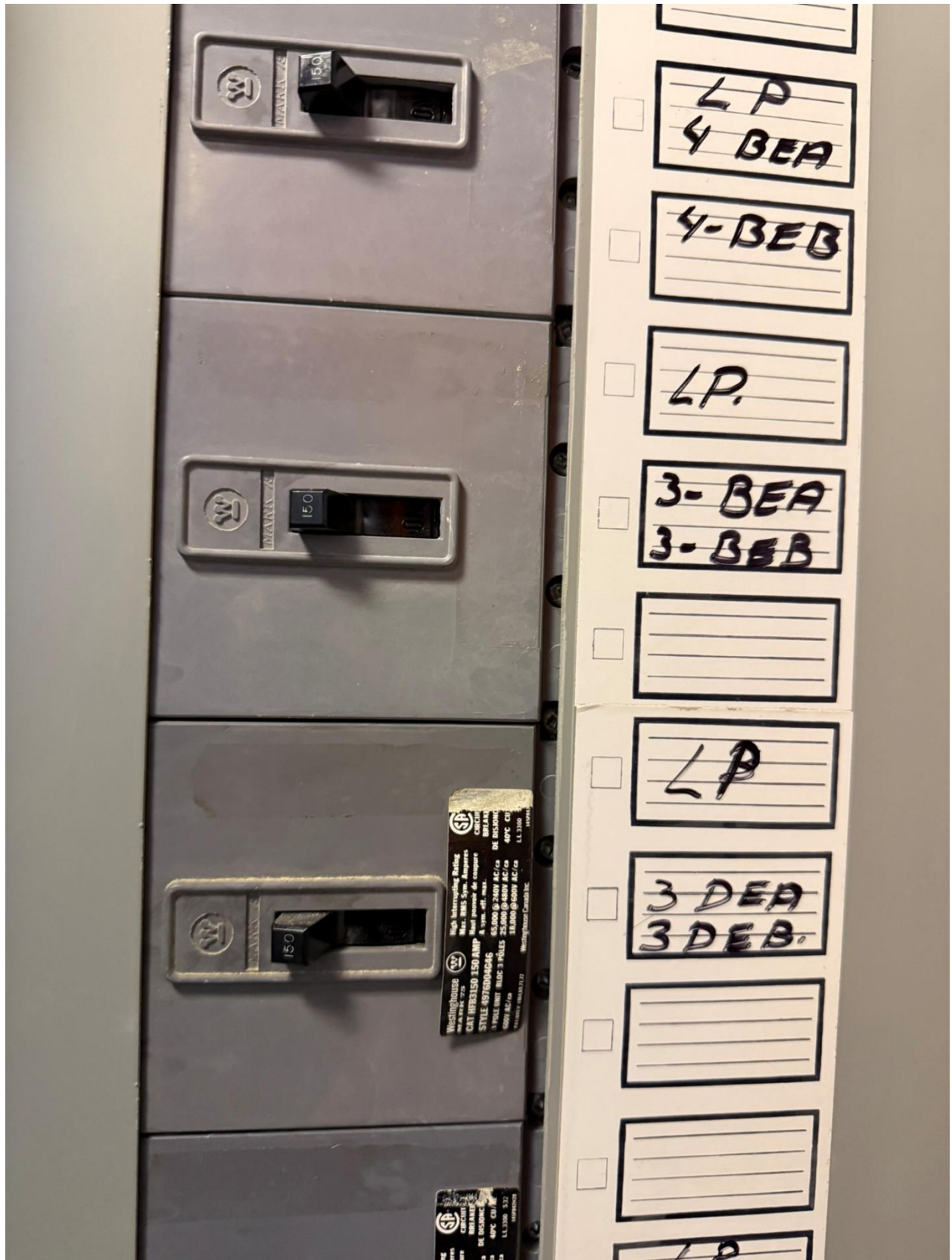
**292-6028**











**Question 6: Please provide existing fire alarm zone diagram as per drawing E1-02 note 3.**

Not available. To be determined by awarded contractor on site.

**Question 7: Please provide details of modular furniture track which runs from the floor box to the desk chassis for terminating all hardware on the workstation.**

No custom engineering detail will be provided. The tracking system depends entirely on the modular furniture selected for the project.

Division 26 must supply and install a standard commercial flexible umbilical cable manager (such as Legrand/Wiremold or approved equal). Review the architectural and furniture shop drawings. Coordinate the exact mounting brackets and connection points with the furniture contractor on-site.

**Question 8: Under the Mandatory Base Building Suppliers list, the fire alarm system supplier is identified as Chubb. However, Drawing E1-02, Note 23 states that all fire alarm work shall be completed by Black & McDonald.**

Refer to ADD# E-01 issued with RFQ addendum No.02.

**Question 9: Please clarify who is responsible for supplying the fire alarm system. Ontario Electrical Construction is a qualified fire alarm contractor and is capable of supplying and installing the complete fire alarm system. Please confirm whether it is mandatory to use Black & McDonald for this scope.**

Refer to ADD# E-01 issued with RFQ addendum No.02.

**If Black & McDonald is a mandatory supplier, please include the Fire Alarm System under the Cash Allowance.**

Refer to ADD# E-01 issued with RFQ addendum No.02.

**Question 10: Please see Note 27 from drawing E1-02,**

- a) Shown only junction box on floor plan whereas as per note require weatherproof behavioral health grade emergency nurse call button. Does this require junction box for accommodating nurse call button? Please clarify.**

Yes. The junction box shown on the plan is for the nurse call button. Div 26 must provide a recessed junction box that matches the manufacturer's requirements for a flush, waterproof installation.

**Question 11: Please see Note 39 from drawing E1-02, dedicated emergency receptacle control shut-off switch.**

- a) How many patient care rooms are controlled by shut off switch?**

Only for PICU rooms (14)

- b) Whether all patient care rooms are shut-off at same time or they will be shut-off as per emergency in particular patient room? Please clarify.**

they will be shut-off as per emergency in particular patient room

- c) How many shut-off switch, contactors are required? Do you need switch & contactor for each patient care room separately or one switch & contactor will control all PICU Rooms at a same time? Please clarify.**

Each individual PICU room requires its own dedicated shut-off switch and dedicated contactor. For the 14 rooms, you must provide a total of 14 switches and 14 contactors. Each room must be controlled independently.

**12) Please provide extension of the question period and the closing date.**

**Answer 12:** This requested has been addressed in RFQ addendum No.01