

0-10

PROPOSED ELECTRICAL UPGRADES
AT UNION HIGH SCHOOL
2350 North Third Street, Union, NJ
TOWNSHIP OF UNION BOARD OF EDUCATION

PROJECT NO: 13-049

SECTION 00 63 13

REQUEST FOR INTERPRETATION FORM
(Fax 908-686-8430 and/or email to potter@potterarchitects.com)

RFI # 10

TO: Potter Architects (Architect)

FROM: Manor II Electric (Contractor)

DATE: August 11, 2015

QUESTION(S):

On the panel DPB there is no provisions to connect the existing 125A CKT that feeds the Kitchen panel. We temporarily used a spare 100A CB to connect this CKT.

The biggest CB that this panel accept is 100Amp. I already spoke with the supplier and he told me that we use the existing 100A spare CB or the panel interior needs to be replaced in order to install one 125Amp CB.

Please advise.

DATE: August 24, 2015

RESPONSE(S):

Please provide time and material costs for the following options:

- Option #1 - Replace panel chassis with a new one with one 125 AT,3P CB for KP-2. Reuse existing feeder.
- Option #2 - Refer to sketch SKE-1 for work to be completed for panel KP-2. Make sure to include a price for cutting and patching the existing glazed concrete block in the Kitchen Office as required.
- Option #3 - 1. Reuse the existing feeder at DPB that feeds KP-2. Utilize a spare 100AT, 3P CB that is presently in DPB.
2. Break the sub-feed between the 2 sections of existing Panel KP-2.

3. Provide a new 100AT, 3P circuit breaker at existing panel KDP. Provide a 100A feeder from KDP to the section of panel KP-2 that is not fed from DPB.
4. Make sure to include a price for cutting and patching the existing glazed concrete block in the Kitchen Office as required.

Steven Langan, PE
Barnickel Engineering Corporation

MANOR H ELECTRIC

Contractors

Phone: (973) 465-5040

Industrial – Commercial and Residential
Specializing in Industrial Systems and Maintenance

3 Ardsley Court – Holmdel, NJ 07733
112 Johnson Street – Newark, NJ 07105

Lic. # 9139
ManorHelectric.com
manorh@optimum.net

Union HS
Potter Architects

QUOTE: 9000-303

PROJECT: Union HS - Feeder to KP panel

Scope of Work:

- Upgrade panel DPB to feed existing Kitchen panel. Three possible Options as requested by Steve

A1) Breakdown

- Option 1)

Labor: \$3,847.00

Material: \$2,070.00

TOTAL: \$5,917.00

- Option 2)

Labor: \$15,387.00

Material: \$2,260.00

TOTAL: \$17,647.00

- Option 3)

Labor: \$1,129.00

Material: \$8,655.00

TOTAL: \$9,784.00

A2) Exceptions

- We propose to install 10x10 electrical boxes in order to cover the necessary hole in the glazed blocks at the top of panels the KP2 and KP2R,

General Conditions

- 1) All applicable taxes are NOT included in our submission.
- 2) Permit costs are not included.
- 3) The Electrical contractor shall not be held liable for errors or omissions in the designs of others, nor inadequacies of materials and equipment specified or supplied by others.
- 4) Our quote does not include any short circuit study or arc fault analysis.
- 5) Equipment and materials supplied by the Electrical contractor are warranted only to the extent that the same are warranted

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- by the manufacturer.
- 6) All materials and equipment supplied and installed shall remain the property of Manor II Electric until paid in full.
 - 7) The Electrical contractor shall not be liable for indirect loss or damage.
 - 8) Owner is responsible to carry fire, theft, tornado and all necessary insurance.
 - 9) Unless included in this proposal, all bonding and/or special insurance requirements are supplied at additional cost.
 - 10) If a formal contract is required, it's conditions must not deviate from this proposal without our prior approval.
 - 11) We are a non union Company, however we do pay prevailing wages if applicable. We are not responsible for any delays caused by union disputes.
 - 12) Premium time labor on anything different of 7:00AM to 3:30PM, Monday thru Friday.
 - 13) Manor II Electric shall be entitled to monthly progress payments.
 - 14) Utility Company's charges if applicable are NOT included.
 - 15) This Proposal may be withdrawn by us, if not accepted within 30 days.
 - 16) Anything (verbal or written) expressed or implied elsewhere, which is contrary to these conditions shall be null and void.

Respectfully

Accepted by

Authorized signature / Contractor

Customer signature

From: Steven Langan [mailto:slangan@barnickelengineering.com]
Sent: Monday, August 24, 2015 1:37 PM
To: 'Steven Langan' <slangan@barnickelengineering.com>
Cc: Tom Potter <trpotter@potterarchitects.com>; Liz Halasz <lhalasz@barnickelengineering.com>
Subject: RE: UHS Elec Service DPB feeders

John,

Per a follow-up phone conversation with Tom P., there is a third alternative. Please ask the contractor to price the following:

1. Reuse the existing feeder at DPB that feeds KP-2. Utilize a spare 100AT, 3P ckt bkr that is presently in DPB.
2. Break the subfeed between the 2 sections of existing Panel KP-2.
3. Provide a new 100AT, 3P circuit breaker at existing panel KDP. Provide a 100A feeder from KDP to the section of panel KP-2 that is not fed from DPB.

Essentially, the plan is to reuse the existing feeder from DPB for one section of KP-2 and a new feeder from existing panel KDP (per the sketch sent on Friday) to the other section of KP-2. This will be cheaper than providing all the work shown on the sketch and will preserve some of the capacity of KDP for future loads, thereby addressing Tom W.'s concern as he stated at the job meeting last Thursday.

Please call if you have any questions.

Steve

Steven Langan, PE

Barnickel Engineering Corporation
860 King George Road
Fords, New Jersey 08863

p: 732-738-3777
f: 732-738-4577

From: Steven Langan [mailto:slangan@barnickelengineering.com]
Sent: Friday, August 21, 2015 1:52 PM
To: John Cwikla
Cc: Liz Halasz
Subject: UHS Elec Service DPB feeders

John,

Attached is sketch re feeding the kitchen panels in the kitchen office from the distribution panel in the storage room. Please ask the contractor to price this vs replacing the chassis in DPB as discussed at the last job meeting. You may want to provide some direction about cutting and patching of the existing masonry wall to accommodate the new feeders.

Steven Langan, PE

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860 King George Road
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f: 732-738-4577

From: Manor Electric [mailto:manorii@optimum.net]

Sent: Tuesday, August 11, 2015 8:59 AM

To: Tom Potter <trpotter@potterarchitects.com>

Cc: John Cwikla <jacwikla@potterarchitects.com>

Subject: Union HS - RFI 9

On the panel DPB there is no provisions to connect the existing 125A CKT that feeds the Kitchen panel. We temporarily used a spare 100A CB to connect this CKT.

The biggest CB that this panel accept is 100Amp. I already spoke with the supplier and he told me that or we use the existing 100A spare CB or the panel interior needs to be replaced in order to install one 125Amp CB.

Please advise.

Luis Nunes

Manor II Electric, Inc
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MANOR II ELECTRIC
Construction

 thinkbeforeprinting