

AMENDMENT # 3 ADDENDUM #2

Secondary Electrical Panel Replacement – Northwest Atlantic Fisheries Centre (NAFC) –St. John's, NL EA003-202367/A

THE FOLLOWING AMENDMENT TO THE TENDER DOCUMENTS IS EFFECTIVE IMMEDIATELY.
THE AMENDMENT SHALL FORM A PART OF THE CONTRACT DOCUMENTS.

ADDENDUM #2

QUESTIONS AND ANSWERS

The answers to the question follows the question in **BOLD**.

1. Question Grouping #2

- .1 On Drawing E201 in POD G10(first floor) it indicates the demolition of the 150kVA transformer pad, will this transformer require a new housekeeping pad? Is pad demo to be completed by the awarded contractor? **ALL DEMOLITION IS BY THE CONTRACTOR. THE 150 KVA TRANSFORMER IN G10 IS TO BE COMPLETE WITH MOUNTING LEGS AND A REPLACEMENT CONCRETE PAD IS NOT REQUIRED OR INDICATED.**
- .2 Drawing E301 POD G10 penthouse indicates only one 15KVA transformer to provide housekeeping pad for. Please confirm this is the only piece of equipment that requires a new pad. **REFER TO THE DRAWINGS FOR NEW CONCRETE PADS, EXISTING PADS TO BE EXTENDED UNLESS INDICATED TO BE DEMOLISHED.**
- .3 Drawing E101, Note 16 mentioned to extend concrete pad for switchboard and transformer, please confirm this is require. **THE NUMBER AND QUANTITY OF THE EXISTING CONCRETE PADS IS TO BE COORDINATED ON SITE.**
- .4 15kVA 600-120/240V wall mounted transformer in saltwater reservoir (E309) shows 0 degree phase shift. Please clarify what is required. **THIS TRANSFORMER IS TO BE CHANGED TO “DESIGN 2: NON-HARMONIC MITIGATING.” REFER TO SPECIFICATION SECTION 26 12 17 FOR REQUIREMENTS.**

2. Question Grouping #3

- .1 There are (2) Panelboard's N182HA and P182HA that we have a minor issue with. The Panel has a Short Circuit Rating of 25KA. We cannot supply breakers greater the 30A, 1 Pole at 25KA as fully rated devices. We would need to supply these as Series Rated Devices which is CSA approved for 25KA Fault Ratings. **SERIES RATING IS NOT PERMITTED. THE KA RATING OF THE BREAKER MAY BE ADJUSTED (IN SELECT CASES IF APPROVED) IF IT IS DETERMINED BY THE SHORT CIRCUIT AND COORDINATION STUDY THAT THE RATING CAN BE LOWERED.**

3. Question Grouping #4

- .1 There are +/- 30 Federal Pioneer panels to be replaced as part of this tender. Rather than contractors tearing out the entire panel, they can leave the tubs and replace the interiors with these kits. This should cut down on installation time, cutting and patching, and reduce the risk of asbestos disruption in the process. Would you consider these as an approved alternate to supplying new panels?
RETROFITS ARE NOT PERMITTED. THE PANELBOARDS ARE TO BE REPLACED IN THEIR ENTIRETY.

4. Question Grouping #5

- .1 Panel L141RC; is quoted as a 120/208V, 3 phase, 4 wire panel, as indicated on detail 1/E501, instead of the 1 phase, 3W indicated on the Panel Schedule/detail6/E302. Please confirm Voltage? **THIS PANEL IS TO BE 120/208V, 3 PHASE, 4 WIRE.**
- .2 Panels L161RA, L161RB, L161RC, L161RD, L161RE, N181EA; are supplied with #6-300kcmil lugs, instead of the requested 4#8. Is that acceptable? **YES. THE CABLE SIZES ARE TO BE INCREASED TO A MINIMUM #6 IF THE LUG IS MINIMUM #6.**
- .3 Panel P181EB; for bidding purposes we have supplied 2 - 1p, 15A breakers for circuits 13 and 15. Please confirm requirements for circuits 13 and 15? **THE CONTRACTOR IS TO SUPPLY OF 2 – 1P, 15A BREAKERS.**
- .4 Panel P182ED; is quoted with 18kAIC to be consistent with balance of 120/208V panels, as no interrupting rating is indicated. Please confirm interrupting rating? **PANEL P182ED IS TO BE RATED A MINIMUM OF 18 KAIC.**
- .5 Panels B and DP; are quoted as 120/208V Panels, 3 phase, 4 wire. Detail 2, E309 indicates Panel DP is 347/600V 3 phase, 4 wire, and Panel B as 120/240V, 1 phase, 3 wire. , Panel Schedules indicates 120/240V, 3W. Please confirm correct Voltages for Panel B and DP? **PANEL DP IS TO BE 347/600V, 3 PHASE 4 WIRE. PANEL B IS TO BE 120/240V, 1 PHASE, 3 WIRE.**
- .6 Panel G101PA; is quoted as a new panel, with 35kAIC, as it is fed from a Substation. Please note existing Cable sizes needs to be confirmed on the incoming, and 200A feeder breaker. The Requested 270AT is not available, standard trip unit available in 250A or 300A. For Bidding purposes we have quoted 300A. Please confirm interrupting rating, acceptability of 300A trip, and confirm Cable sizes? **DISTRIBUTION BOARD G101PA IS TO BE RATED A MINIMUM OF 35 KAIC. THE SUPPLY OF THE 270A TRIP IS REQUIRED FOR THE DESIGN. IF THE VENDOR SUPPLIES ANOTHER RATING THE TRANSFORMER PRIMARY AND SECONDARY CABLES ARE REQUIRED TO BE INCREASED AS WELL AS THE RATING OF G101DA IF A MAIN BREAKER IS NOT PROVIDED. IF CHANGES ARE REQUIRED TO ACCOMMODATE THE VENDOR SPECIFIC REQUIREMENTS OR CHANGES WILL BE MADE AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE AT NO ADDITIONAL COST OT THE CONTRACT. EXISTING CABLE SIZES ARE TO BE CONFIRMED ON SITE.**
- .7 Panel G101DA; is quoted with 18kAIC to be consistent with balance of 120/208V panels, as no interrupting rating is indicated. Please confirm interrupting rating? **PANEL G101DA IS TO BE RATED A MINIMUM OF 18 KAIC.**
- .8 Panel H171EA; is quoted as a new panel with 35kAIC, as it is fed from Substation. Please note existing Cable sizes needs to be confirmed on the incoming, and on the 90A and 60A feeder breakers. Please confirm interrupting rating and confirm Cable sizes? **PANEL H171EA IS TO BE RATED A MINIMUM OF 35 KAIC. EXISTING CABLE SIZES ARE TO BE CONFIRMED ON SITE.**
- .9 Panel N182PA; is quoted as a new panel with 35kAIC, as it is fed from Substation. Please note existing Cable sizes needs to be confirmed on the incoming. Please confirm interrupting rating and confirm Cable sizes? **DISTRIBUTION BOARD N182PA IS TO BE RATED A MINIMUM OF 35 KAIC. EXISTING CABLE SIZES ARE TO BE CONFIRMED ON SITE.**

By submission of its tender, the Tenderer confirms that it has read and understands the requirements expressed in all addenda and has included all costs of these requirements in its Total Tender Amount.

All other terms & conditions remain unchanged.
