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**Subject:** LCP Project / MFA /Advance letter LTR-CD0504002-ALS-POM-0059 - MFA - GIS Building - Major Safety and Quality Issue  
**Date:** Thursday, January 21, 2016 8:23:22 PM  
**Attachments:** [.png](#)  
[LTR-CD0504002-ALS-POM-0059 - MFA - GIS Building - Major Safety and Quality Issue.pdf](#)

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Find enclosed our advanced letter.

Immediate actions and mobilization are requested.

Best regards,

**Thierry Martin**

LCP Project Director

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Imagination at work

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**Pomerleau**

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Date: 21-Jan-2016

To the attention of Daniel Lessard

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**O/Ref:** LTR-CD0504002-ALS-POM-0059

**Y/Ref:** NA

**Reply:** Y

**Agreement No:** CD0504-002 – HVdc Specialties at MF & CF

**Subject:** GIS Building – Major Quality and Safety Issue - MFA

Dear Daniel Lessard,

CWE notifies hereafter CWC on a major quality and safety issue occurred at MFA site during the work execution on the GIS Building, specifically during the formwork removal, which conducts CWE and Company to instruct CWC to cease any work around the GIS Building immediately and set a safety perimeter by restricting the access to this area.

During the daily site visit on 19-Jan-2016, Company and CWE observed the following, further to the formwork removal from the bottom of the top slab and P1 columns at grid line 15 & 16 (Attachment 1 – Pictures of defects):

- CWC Subcontractor 's personnel (FOX) were working between grid lines 8 & 9 and in the meantime they also removed the formwork off the P 1 columns at grid lines 15 & 16, axis A, B & C
- After the forms were removed from these columns, it was discovered that three of the six got missed during the pour, 15, 16 axis A & 16 on axis C.
- Three columns were found to be hollow; the concrete did not pass through the beam and slab rebar.
- Further to the stripping of the GIS Building slab and beams, multiple defects have been noticed (Attachment 1 – Pictures of defects)

Undeniably, CWE doubts on the site implementation of the quality control, the verification and the supervision of the works executed.

CWE is really concerned by the seriousness of this issue and is not confident in the long term integrity of the GIS structure and building.

Therefore, CWE considers this to be a serious breakdown of the work performance process, as well as a breach of Company's requirements. As such, CWE requires that the following be implemented immediately without delay:



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**A – Safety Plan and methods** to be submitted and approved before accessing to that area for any action.

**B – A complete structural assessment plan and methods**, to be submitted and approved, to ensure and to guarantee the quality of the works realized and also to provide the associated execution schedule. In that regard, CWE is expecting very thorough and well documented plans to ensure that all aspects are fully addressed such as all the work to be witness and inspected, final work inspection assessment

**C – Detailed NCR Report** including, but not limited to:

- Root Causes Analysis
- Immediate actions to secure the area
- Entire Remediation process
- Corrective actions,
- Preventive actions enclosing actions to ensure not to repeat the situation,
- .....

Furthermore, on many occasions, CWE recalls its concerned on shortage of Surveyors for Muskrat Falls as some work fronts are complete and require a surveyor to verify the work but CWC did not provide sufficient number of surveyors to cover the work fronts on site.

In addition, CWE records the following missing from CWC:

- The lack of site management and supervision
- The lack of decision maker and leadership
- CWC's supplier capability to execute the work in compliance with the good industrial practices

CWC is requested to perform oversight and direction to both CWC's personnel and its subcontractors site quality team and inspectors. CWE will accept no cost and/or schedule impacts for remedial actions required by CWC to deliver a Quality work to Company and CWE in accordance with the contractual provisions within the Agreement.

Yours Faithfully,

A handwritten signature in black ink, appearing to be 'Thierry Martin', written over a horizontal line.

Thierry Martin  
LCP Project Director  
Encl.: Site Pictures



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