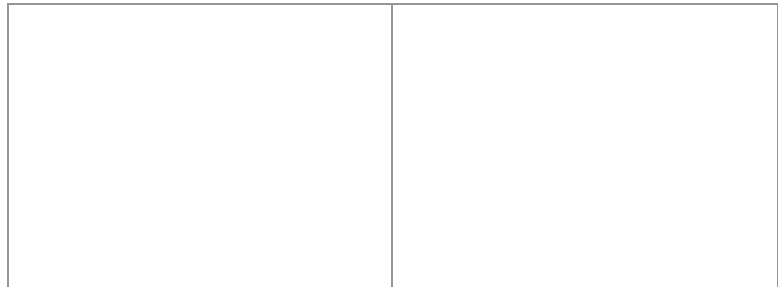


ADDENDUM PAGEAU MOREL NO. 1

Mechanical

Electrical

1 GENERAL

- 1.1 This addendum is part of and shall be read jointly with the tender documents. In the case of contradiction, this document has precedence.

2 SCOPE

- 2.1 Informations and clarifications to the documents.

3 ELECTROMECHANICAL DESCRIPTION

- 3.1 Specification – Section 21 05 01
- 3.1.1 Article 2.2 is added as follows:

2.2 PENETRATIONS OF ASSEMBLY WITH A FIRE RESISTANCE RATING

- .1 Any existing penetration and any new penetration in walls and floors with a fire resistance rating (existing or new) must be sealed after the passage of pipes or ducts in order to restore or maintain the integrity of the fire walls and floors.
- .2 Refer to architectural drawings for the location of walls and floors with a fire resistance rating.
- .3 The openings and penetrations, new and existing that are kept, should be sealed with the products according to an authorized sealing systems by ULC or any other organization approved by codes and standards.
- .4 Acceptable Products:
 - .1 3M;
 - .2 Hilti;
 - .3 Self-Seal.
- .5 Retain the services of a specialist in fireproofing or demonstrate that the proposed personnel for installation has been formed and is accredited by the sealant manufacturer for fireproofing all the work.

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.6 Provide to the Engineer for approval shop drawings of all fireproofing systems firewall available. These drawings must include for each system:

- .1 System number and ULC and/or FM approval.*
- .2 Specifications of each product used.*

3.2 Specification – Section 26 05 00

3.2.1 Article 2.11 is added as follows:

2.11 PENETRATIONS OF ASSEMBLY WITH A FIRE RESISTANCE RATING

- .1 Any existing penetration and any new penetration in walls and floors with a fire resistance rating (existing or new) must be sealed after the passage of pipes or ducts in order to restore or maintain the integrity of the fire walls and floors.*
- .2 Refer to architectural drawings for the location of walls and floors with a fire resistance rating.*
- .3 The openings and penetrations, new and existing that are kept, should be sealed with the products according to an authorized sealing systems by ULC or any other organization approved by codes and standards.*
- .4 Acceptable Products:*
 - .1 3M;*
 - .2 Hilti;*
 - .3 Self-Seal.*
- .5 Retain the services of a specialist in fireproofing or demonstrate that the proposed personnel for installation has been formed and is accredited by the sealant manufacturer for fireproofing all the work.*
- .6 Provide to the Engineer for approval shop drawings of all fireproofing systems firewall available. These drawings must include for each system:*
 - .1 System number and ULC and/or FM approval.*
 - .2 Specifications of each product used.*

3.3 Specification – Section 26 05 21

3.3.1 Article 2.3 is added as follows:

2.3 FIRE RATED CONDUCTORS AND CABLES

- .1 Fire rated mineral insulated cables and conductors*
 - .1 Mineral insulated cable conforming to CSA standard C22.2 no. 124.*
 - .2 Mineral insulated cable conforming to ULC S139.*
 - .3 Hard drawn solid copper conductors, sizes as shown.*
 - .4 Compressed powdered magnesium oxide insulation forming a homogenous compact mass for the whole length of the cable.*

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.5 Seamless hard drawn copper external sheath of the MI type and good for 600 Volts, nominal and 250°C.

.2 Acceptable product: Pyrotenax MI 1850 system.

3.3.2 Article 3.6 is added as follows:

3.6 FIRE RATED CONDUCTORS AND CABLES

.1 When circuits or feeders require a fire resistance, install mineral insulated cables.

.2 Installation of mineral insulated cables

.1 Mineral insulated cables shall be installed according to the Manufacturer's recommendations. Provide for an instruction session to the cable and connector installers by a representative of the Manufacturer.

.2 Connectors, clamps, supports and all other accessories shall be those recommended by the manufacturer.

.3 Installation tools shall be those recommended by the manufacturer.

.4 Single conductor cables shall be installed as follows:

.1 Group cables in bundles having one conductor per phase and insure that sheaths are in contact for the whole cable length;

.2 If conductors are installed on a flat surface, they shall be fastened with a common clamp for all phase conductors to maintain contact between the sheaths for the whole cable length;

.3 Fasten cables at 0.5 m (20") intervals.

.5 When the installation requires more than one conductor per phase, the spacing between the phases in each group shall be equal to two times the phase cable diameter. Refer to recommended practices in the Electrical Code.

3.4 Specification – Section 26 27 26

3.4.1 Article 2.2.4 is modified as follows:

.4 Acceptable manufacturer: Lutron NT model or approved equivalent.

3.4.2 Article 2.3.4 is added as follows:

.4 Acceptable manufacturer:

.1 Leviton OSC20-RMW;

.2 Sensorswitch;

.3 Wattstoppe.

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3.5 Specification – Section 26 50 00

3.5.1 Article 1.4.5 is modified as follows:

.5 Disposal of old PCB filled ballasts and recycle them in the appropriate manner. Provide a recycling certificate issued by a recognized company, as Aevitas or approved equivalent.

3.6 Specification – Section 28 31 00.01

3.6.1 Article 2.4.1 is modified as follows:

.1 Alarm output circuit: connected to signals, wired in class B configuration to central control unit.

3.6.2 Article 2.10 is added as follows:

2.10 END-OF-LINE DEVICES

.1 End-of-line devices to control supervisory current in signalling circuits, sized to ensure correct supervisory current for each circuit. Open, short or ground fault in any circuit will alter supervisory current in that circuit, producing audible and visible alarm at main control panel and remotely as indicated.

3.7 MECHANICAL Drawings

3.7.1 The drawings are revised as per drawing list transmitted with this addendum.

3.8 ELECTRICAL Drawings

3.8.1 The drawings are revised as per drawing list transmitted with this addendum.

LISTE DES DESSINS

Drawing list

ÉMISSION / Issue	
DATE	17/02/01
RAISON / Reason	Addenda No 1/ Addendum

PAGE	NUMÉRO / Number	TITRE DU DESSIN / Drawings title	RÉVISION / Revision	DESCRIPTION
M01	R_078221_001-M01-LE-PLN	Légende mécanique / <i>Mechanical legend</i>	0	
M02	R_078221_001-M02-PI-PLN	Protection incendie - Niveau 6 - Démolition / <i>Fire protection - 6th floor - Demolition</i>	0	
M03	R_078221_001-M03-PI-PLN	Protection incendie - Niveau 6 - Modifié / <i>Fire protection - 6th floor - Modified</i>	0	
M04	R_078221_001-M04-PB-PLN	Plomberie / Tuyauterie - Niveau 6 - Démolition / <i>Plumbing / Piping - 6th floor - Demolition</i>	0	
M05	R_078221_001-M05-PB-PLN	Plomberie / Tuyauterie - Niveau 6 - Modifié / <i>Plumbing / Piping - 6th floor - Modified</i>	0	
M06	R_078221_001-M06-VC-ALM	Ventilation - Niveau 6 - Démolition / <i>Ventilation - 6th floor - Demolition</i>	0	
M07	R_078221_001-M07-VC-ALM	Ventilation - Niveau 6 - Modifié / <i>Ventilation - 6th floor - Modified</i>	1	Émis Issued
M08	R_078221_001-M08-DT-PLN	Détails mécanique / <i>Mechanical details</i>	0	
M09	R_078221_001-M09-DT-PLN	Détails mécanique / <i>Mechanical details</i>	1	Émis Issued

LISTE DES DESSINS

Drawing list

ÉMISSION / Issue	
DATE	17/02/01
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PAGE	NUMÉRO / Number	TITRE DU DESSIN / Drawings title	RÉVISION / Revision	DESCRIPTION
E01	R_078221_001-E01-LE-PLN	Légende électrique / Electrical legend	1	Émis Issued
E02	R_078221_001-E02-EN-PLN	Éclairage - Niveau 6 - Démolition / Lighting - 6th floor - Demolition	0	
E03	R_078221_001-E03-EN-PLN	Éclairage - Niveau 6 - Modifié / Lighting - 6th floor - Modified	0	
E04	R_078221_001-E04-RN-PLN	Services - Niveau 6 - Démolition / Services - 6th floor - Demolition	1	Émis Issued
E05	R_078221_001-E05-RN-PLN	Services - Niveau 6 - Modifié / Services - 6th floor - Modified	1	Émis Issued
E06	R_078221_001-E06-AI-PLN	Services auxiliaires - Niveau 6 - Démolition / Auxiliary services - 6th floor - Demolition	1	Émis Issued
E07	R_078221_001-E07-AI-PLN	Services auxiliaires - Niveau 6 - Modifié / Auxiliary services - 6th floor - Modified	1	Émis Issued
E08	R_078221_001-E08-DT-PLN	Détails électriques / Electrical details	1	Émis Issued
E09	R_078221_001-E09-DT-PAN	Panneaux électriques / Electrical panels	1	Émis Issued
E10	R_078221_001-E09-DT-PAN	Panneaux électriques / Electrical panels	0	
E11	R_078221_001-E11-SS-PLN	Alarme intrusion - Niveau 6 - Pour information / Intrusion alarm - 6th floor - For information	0	