

PART 1 - GENERAL

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| 1.1 ACTION AND INFORMATIONAL SUBMITTALS | <ul style="list-style-type: none"> .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures. .2 Product Data: <ul style="list-style-type: none"> .1 Provide manufacturer's printed product literature, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations. .3 Quality assurance submittals: provide following in accordance with Section 01 45 00 - Quality Control. <ul style="list-style-type: none"> .1 Manufacturer's instructions: provide manufacturer's written installation instructions and special handling criteria, installation sequence and cleaning procedures. .4 Submit with shop drawings point-by-point illumination calculations for the following rooms: <ul style="list-style-type: none"> .1 MCTS Operations Room. .2 Boardroom/Training. .3 E&I Electronics Equipment Room. .4 E&I Clean Workshop Area. .5 Parking lots. |
| 1.2 DELIVERY, STORAGE AND HANDLING | <ul style="list-style-type: none"> .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements. .2 Packaging Waste Management: remove for reuse or return of pallets, crates, padding, banding, and packaging materials as specified in Construction Waste Management Plan in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal and Section 01 35 21 - LEED Requirements. .3 Divert unused metal materials from landfill to metal recycling facility. |

1.2 DELIVERY, STORAGE AND HANDLING (Cont'd)	.4	Disposal and recycling of fluorescent lamps as per local regulations.
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PART 2 - PRODUCTS

<u>2.1 LIGHT SOURCE</u>	.1	LED as indicated in lighting fixture schedule.
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<u>2.2 FINISHES</u>	.1	Light fixture finish and construction to meet ULC listings and CSA certifications related to intended installation.
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<u>2.3 LUMINAIRES</u>	.1	As indicated in luminaire schedule. Lighting selections indicate the standard of quality, performance, appearance and style required and may vary slightly depending on the manufacturer's products.
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PART 3 - EXECUTION

<u>3.1 INSTALLATION</u>	.1	Locate and install luminaires as indicated.
	.2	Provide adequate support to suit ceiling system. Where fixtures are supported from the T-bar grid, provide additional support hangers attached to the building structure.

<u>3.2 WIRING</u>	.1	Connect luminaires to lighting circuits: .1 Install flexible conduit or armoured cable for fixture drops as indicated.
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3.3 LUMINAIRE SUPPORTS .1 For suspended ceiling installations support luminaires independently of ceiling.

3.4 LUMINAIRE ALIGNMENT .1 Align luminaires mounted in continuous rows to form straight uninterrupted line.
.2 Align luminaires mounted individually parallel or perpendicular to building grid lines.

3.5 CLEANING .1 Clean in accordance with Section 01 74 11 - Cleaning.
.2 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.