

The Corporation of the City of North Vancouver
Invitation to Quote
Supply and Installation of Lighting System for New Museum



THE CITY OF NORTH VANCOUVER

INVITATION TO QUOTE

**Supply and Installation of Lighting System for the
new North Vancouver Museum
100 Block West Esplanade, North Vancouver**

December 15, 2017

QUOTATION REQUEST FOR SUPPLY AND DELIVERY OF LIGHTING

1.0 INTRODUCTION

- 1.1 The City of North Vancouver is requesting responses to this Invitation to Quote for the supply of lighting system for the new North Vancouver Museum, delivered to:

A Group Cargo Terminal Inc.
7400 River Road Unit 160
Richmond BC, V6X 1X6

- 1.2 All enquiries regarding this competition must be directed to:

MS. Sabine Zander, Purchasing Manager
Finance Department
City of North Vancouver
141 West 14th Street
North Vancouver, BC V7M 1H9

Ph: 604-983-7392
Fax: 604-985-1573
Email: szander@cnv.org

2.0 CONDITIONS AND INSTRUCTIONS TO BIDDERS

The following conditions and instructions will apply to this Invitation. Submission of a quotation indicates acceptance of all the terms that follow, and that are included in any addenda issued by the City.

- 2.1 Quotations will be received until:

4:00PM, THURSDAY JANUARY 11, 2018.

- 2.2 The City prefers electronic submission of quotations. Quotations should be in the form of a single pdf file.

Proposal submissions are to be uploaded through Sendit, the City's file transfer service accessed at website:

<https://sendit.cnv.org/envelope/Purchasing>

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1. In the "Competition Title" field enter: ITQ Name
2. Attach the file in .pdf format and Send (ensure you receive an email confirmation from Sendit to confirm upload is complete)

Proposals submitted shall be deemed to be successfully received when displayed as new email in the in-box of the City email address. The City will not be liable for any delay for any reason including technological delays, or issues by either party's network or email program, and the City will not be liable for any damages associated with Proposals not received.

If there is no ability to submit electronically, a paper copy of the proposal may be submitted, on or before the closing time to: Ms. Sabine Zander, Purchasing Manager, City of North Vancouver, 141 West 14th Street, North Vancouver, BC V7M 1H9.

- 2.3 The City may reject a Proposal received after the Closing Time. It is the Proponent's sole responsibility to ensure its Proposal is received on time. Notwithstanding the foregoing, the City reserves the right, in its sole discretion, to accept a Proposal submitted after the Closing Time.
- 2.4 All Quotations and subsequent information or material received shall become the property of the City of North Vancouver and will not be returned. The information received will be held in confidence by the City subject to the provisions of the Freedom of Information and Protection of Privacy Act.
- 2.5 Quotations may be withdrawn by written request only, to the Purchasing Manager at any time prior to the scheduled closing time. No Proponent may withdraw their Quotation for a period of sixty (60) days after the date set for the receiving thereof.
- 2.6 The lowest or any quotation will not necessarily be accepted. The City of North Vancouver unequivocally reserves the right to reject any or all quotations; or to accept any or part of any one quotation as may be deemed to be in their interests.
- 2.7 The City is under no obligation to award a contract as a result of this Invitation to Quote and reserves the right to terminate this Invitation to Quote process for any reason, at any time. The City may then do nothing, retender, sole source or complete the work with the City's own forces.
- 2.8 Bidders are cautioned to carefully read and follow the procedures, terms and conditions required by this invitation, as any deviation, omission, as well as any inaccuracies or misstatements may be cause for rejection. However the

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City reserves the right, at its sole discretion, to waive minor irregularities and defects in a submission, and proceed with that bidder.

- 2.9 Except as expressly and specifically permitted in these Instructions, no proponent shall have any claim for any compensation of any kind whatsoever, as a result of participating in this quotation process including accepting a non-compliant bid, and by submitting a proposal each proponent shall be deemed to have agreed that it has no claim.
- 2.10 This Invitation to Quote, any attached specifications and the successful proponents response will form part of any contract entered into.
- 2.11 Pricing will be firm for the contract period, unless this Invitation to Quote states otherwise. All prices quoted are to be, in Canadian dollars exclusive of any applicable taxes, inclusive of any duty, FOB destination and include delivery charges.
- 2.12 All amendments or further Information will be published at the City of North Vancouver website and the BC Bid website. It is the responsibility of the proponent to monitor these web sites to check for updates. The City will not accept questions or requests for clarification within 3 business days of the closing date and time.
- 2.13 Any dispute arising from this Invitation to Quote, or subsequent agreement, will be resolved according to the laws of the Province of British Columbia.
- 2.14 Sustainability: The Proponent is encouraged to provide information regarding its organization's particular environmental and/or social impacts. The Proponent may wish to provide a statement, including any supporting documentation, that addresses how its organization minimizes: waste emissions, the use or generation of harmful substances, the use of non-renewable resources and, substitutes a renewable resource or recycled content and post consumer waste, and/or maximizes energy and materials efficiency, and/or involves actions which contribute to social development or assists in the conservation or development of social capital either in this community or elsewhere.
- 2.15 Proponents are expected to be aware of the requirements of the City's Supplier Code of Conduct and to comply. The code of conduct is part of the City's Sustainability Policy see Appendix B here:
<http://www.cnv.org/~media/3E33B3B38B1D45C0A9BF56171C5EEABB.ashx>

- 2.16 **DELIVERY:** Shall mean the number of days from receipt of the Purchase Order to the promised delivery date to **“A Group Cargo Terminal – 7400 River Road, Unit 160, Richmond BC, V6X 1X6”**
- 2.17 If you are not a resident in Canada, we may be required by law to withhold income tax from the fees payable then to remit that tax to the Receiver General of Canada on your behalf as described by the Income Tax Act of Canada.
- 2.18 **FOB POINT:** **“A Group Cargo Terminal – 7400 River Road, Unit 160, Richmond BC, V6X 1X6”**

3.0 CONTRACTUAL TERMS

It is the intent that a contract (purchase order) will be entered into between the proponent and the city and that the following terms will apply. Submission of a quotation indicates acceptance of these terms unless specifically noted in a statement of non-compliance.

- 3.01 The contractor shall not assign this agreement or the right to payment due hereunder, without the Purchasing Manager's prior written consent which may be withheld. Any assignment or purported assignment shall be deemed to terminate this contract.
- 3.02 For all requests made by the City pursuant to the contract, time is of the essence. The acceptance of a late performance, with or without objections or reservations by the City, shall not waive the right to claim damages for such breach nor constitute a waiver of the requirement of timely performance of any obligation remaining to be performed.
- 3.03 The laws of British Columbia shall govern the contract.
- 3.04 The services are subject to inspection and in case any of the services are not in conformity with the requirements of the contract or the contractors' warranty (expressed or implied), the City shall have the right either to reject them or to require correction.
- 3.05 The contractor shall be responsible for the supplies covered by this contract until they are delivered at the designated delivery point, regardless of the point of inspection; and the Contractor shall bear all risks of loss or damage to rejected supplies after notice of rejection.
- 3.06 The contractor shall perform the services with the degree of care, skill and diligence normally applied in the performance of services of a similar nature and in accordance with sound current professional practices and conforming to the Requirements set out by the City.
- 3.07 All materials will be new. They shall be delivered, stored, handled, and applied in accordance with the manufacturer's instructions.
- 3.08 The contractor warrants that the goods, materials, equipment and/or services supplied by the contractor to the City will be in full conformity with the Specifications. The contractor further warrants that the goods, materials and/or equipment are of merchantable quality, and fit for the intended use and will perform according to the requirements set out by the City

- 3.09 At a minimum, a five (5) year parts and labour warranty shall be provided on all goods, materials, equipment and/or services provided under the contract, upon delivery of the goods.
- 3.10 The contractor shall indemnify, hold and save harmless the City from and against all claims, losses, damages, costs, actions and other proceedings made, sustained, brought or prosecuted in a manner based upon, occasioned by or attributable to any injury, including death, property damage, infringement or damage arising from any act or omission of the contractor, its employees, officers, volunteers, servants, sub-contractors, or agents or persons from whom the contractor has assumed responsibility in the performance or purported performance of the Requirements.
- 3.11 The City may terminate this agreement
(a) for the contractors failure to comply with any term of this agreement, immediately on giving written notice of termination, and
(b) for convenience, on giving at least 30 days written notice of termination.
- 3.12 The contractor shall be paid net thirty (30) days from receipt of invoice and acceptance of the goods, materials, equipment and/or services, whichever is the later.

Contractor is requested to provide a progress invoice for all related services up to the supply and delivery of goods to the bonded warehouse, dated March 31, 2018. This includes shop drawing review, materials, fabrication, packaging and shipping. Subsequent invoices are to be submitted upon installation of the lighting system at the new Museum.

4.0 RESPONSE FORM

In addition to the quoted pricing this form must be received by the City of North Vancouver no later than the closing date and time indicated in Section 2.1

Sustainability Policy

City of North Vancouver sustainable purchasing policy requires that each proponent declare if they have been found by a recognized regulatory body or adjudication body to be in violation of any of the following Environmental or Social standards, laws, and regulations within the past three years.

By submitting a proposal each proponent declares that there has been no violation other than that set out in the table below.

Environmental

The City of North Vancouver expects that each Proponent has and will comply with any applicable legislation pertaining to the environment. In Canada these include: *Canadian Environmental Protection Act, 1999 (Canada)*, *Fisheries Act (Canada)*, *Transportation of Dangerous Goods Act (Canada/BC)*, *Environmental Management Act (BC)*, *GVS&DD Municipal Solid Waste and Recyclable Material Bylaw No. 181*, *GVRD Air Quality Management Bylaw No. 937* and *GVS&DD Sewer Use Bylaw No. 164*.

Social

The City of North Vancouver expects that each Proponent has and will comply with internationally recognized labour conventions and recommendations of the International Labour Organization (ILO), of which Canada is a member, and any applicable legislation pertaining to the work place safety, employment and human rights. In Canada these include: the *Corruption of Foreign Public Officials Act (Canada)*, *Human Rights Act (BC)*, the *Employment Standards Act (BC)* and the *Workers' Compensation Act (BC)*.

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This section to be completed by proponent and submitted with the quotation:

Commitment

The Proponent declares that the signing officer (below) or any person who currently holds or has, at any time within the past three years, held the following positions or titles with the Proponent: Officer, Director or Senior Manager, has not been convicted or subject to a determination by a regulatory body, administrative body or other tribunal having jurisdiction over the Proponent, of a violation, within the past three (3) years, under the legislation applicable to the Proponent, other than those set out in the table below

Title of act or Bylaw	Date of violation and regulatory/adjudication body	Description of violation or conviction	Regulatory/Adjudication body document file number

The Proponent having carefully examined and read the ITQ, including all amendments and addenda hereby acknowledges that it agrees and has understood all of the foregoing and in response hereby submits the enclosed proposal.

Company Name _____

Company Address _____

Postal Code _____ Phone Number _____

Signature of Signing Officer _____

Name of Signing Officer _____

Title of Signing Officer _____

Email of Signing Officer _____

Date _____

QUOTATION PRICE SHEET

LIGHTING COMPONENTS

Supply and deliver to 7400 River Road, Richmond \$ _____

Warehouse storage cost per month \$ _____

P.S.T. \$ _____

G.S.T. \$ _____

TOTAL \$ _____

Delivery: number of days from receipt of PO: _____

Separate Price

We, the above named bidder, offer the Separate Prices requested below. The amount to be added to, our Bid Price (as entered in the Stipulated Price Bid Form) is entered for each item requested. PST and GST are noted accordingly. If there is no change to the Bid Price for a separately priced item, we have so indicated. It is understood that:

- (a) the Owner may or may not accept any of the Separate Prices,
- (b) Separate Prices are open for acceptance by the Owner for the same period of time as the Bid Price, notwithstanding the award of the Contract.
- (c) the Work of the Contract and the Contract Price will reflect the Separate Prices, if any, accepted by the Owner at the time of contract award, and
- (d) acceptance of any Separately priced items will not affect the Bid Price contract completion time, unless we have specifically indicated an increase or decrease in time, in number of days, on account of a particular item.

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SEPARATE PRICE NO. 1

ADD

Supply of all T1 and T3 busway, related feeds and connectors, and L1A track heads for the Permanent Gallery

\$ _____

P.S.T.

\$ _____

G.S.T.

\$ _____

TOTAL

\$ _____

SEPARATE PRICE NO. 2

ADD

Supply of all L1B framing projectors for the Permanent Gallery

\$ _____

P.S.T.

\$ _____

G.S.T.

\$ _____

TOTAL

\$ _____

5.0 PROJECT SPECIFICATION

Product to be supplied in accordance with the specifications detailed below.

Urban Arts Architecture / AES Electrical Engineers:

Appendix A –

Drawing E001 – NVMA
Floor Lighting Plan, Drawing List and Symbol Legend

Drawing E002 – NVMA
Luminaire Schedules and Electrical Specifications

Appendix B - UAA Specification Section 01 00 00 General Instructions

Appendix C - UAA Specification Section 01 40 00 Quality Control

Appendix D - UAA Specification Section 01 30 00 Submittals

6.0 EVALUATION

6.1 The City will evaluate quotations based upon, but not limited to, the following:

- Cost: 20%
- Delivery date: 10%
- Experience of manufacturer; 10%
- Compliance with the specification; 20%
- References; 10%
- Product quality; 10%
- Sustainable attributes; 10%
- Compliance with this Invitation to Quote document; 10%

6.2 Quotations will be reviewed and evaluated by City staff and Project design team.

7.0 CONTRACT AWARD

7.1 After selection of a preferred proponent the City may request negotiations which could include discussion of the terms and conditions in the contract and minor modifications of scope and price. Following which a Purchase Order will be issued.

NORTH VANCOUVER MUSEUM ARCHIVES

SIDEWALK

ENTRY COURT

EXISTING BUILDING

MEWS LANE

EXISTING WINDOW OPENERS

GENERAL NOTES:

- A. THIS PLAN IS FOR REFERENCE ONLY. THE CONTRACT DOES NOT INCLUDE INSTALLATION OF EQUIPMENT. LUMINAIRES ALREADY PURCHASED AND IN THE POSSESSION OF THE CITY OF NORTH VANCOUVER ARE NOT SHOWN.
- B. BASE CONTRACT: SUPPLY OF ALL LUMINAIRES IN NVMA SPACE. SEPARATE PRICE #1: SUPPLY OF ALL TRACK & LUMINAIRES FOR THE PERMANENT GALLERY EXCLUDING TYPE 1'18" (DENOTED BY KEYNOTE #4). SEPARATE PRICE #2: SUPPLY OF ALL TYPE 1'18" LUMINAIRES.

LEGEND & SYMBOL SCHEDULE	
LIGHTING	
	SUSPENDED LINEAR LUMINAIRE
	CEILING RECESSED LUMINAIRE
	SURFACE MOUNTED LUMINAIRE
	RECESSED DOWN LIGHT
	TRACK
	TRACK HEAD

DRAWING LIST	
DWG. No.	DESCRIPTION
E001	FLOOR LIGHTING PLAN, DRAWING LIST, AND SYMBOL LEGEND
E002	LUMINAIRE SCHEDULES AND ELECTRICAL SPECIFICATIONS

DRAWING KEY NOTES:

- 1 LUMINAIRE TO BE SUSPENDED.
- 2 TRACK HEAD TO BE ON SEPARATE CIRCUIT FROM REMAINDER OF TRACK FOR AFTER-HOURS DISPLAY LIGHTING. TRACK HEADS IDENTIFIED BY KEYNOTE (2) TO BE GROUPED AS SEPARATE LIGHTING ZONE WITH SEPARATE CONTROL SCHEDULE.
- 3 STRIP LIGHT FIXTURE FOR HIGH LEVEL DISPLAY CASE. SEE ARCHITECTURAL FOR MILLWORK DETAILS.
- 4 TYPE 1'18" FIXTURE CW GBOB HOLDER FITTING. GBOB TO BE PROVIDED AS PART OF SEPARATE EXHIBIT LIGHTING PACKAGE BY OTHERS.

NEW LIGHTING PLAN



1 12/07/2017 ISSUED FOR TENDER

No.	Date	Issue/Revision Notes

Project Title
NVMA

Sheet Title
NEW LIGHTING PLAN

Total # of Sheets	Date
	2017-06-21

Drawn By	Sheet No.
JZ	E001

Project ID	
2-17-066	

TYPE	DESCRIPTION	PRE-APPROVED PRODUCTS	MOUNTING	LAMP					BALLAST/DRIVER	VOLTAGE	REMARKS	NOTES
				WATTS (W)	LED LUMENS	COLOUR	MIN CRI	QTY				
L1A	LED TRACK HEAD	LITELAB A01 L1900-9TC-DY-SY-A-MB + OL-SF-G + OL-5-X-55-G - QUANTITIES AS REQUIRED, SEE DWG E001 FOR LAYOUT	SURFACE	22	1930	3500K	>98	PER DWG	ELECTRONIC (ELV) DIMMING TO 5%	120	INTEGRATED XICATO XTM, CORRECTED COLD PHOSPHOR, ARTIST SERIES, ZHAGA COMPATIBLE FORM FACTOR: 1X2 SCDM, L70 50,000 HRS GAMUT AREA INDEX (GAIBB)109, LM79 AND LM80, TM30 METRICS.	
L1B	LED FRAMING PROJECTOR (DENOTED BY KEYNOTE 4 ON DWG E001)	LITELAB A04 L1900-9HC-DY-SY-A-MB/GOBO - QUANTITIES AS REQUIRED, SEE DWG E001 FOR LAYOUT	SURFACE	22	1930	3500K	>98	PER DWG	ELECTRONIC (ELV) DIMMING TO 5%	120		
T1	BUSWAY	LITELAB BUS-08H1AX02-012.000MB + AEF-08H1 FEEDS + BUS-08H1 MITERED CORNER + B-HC0-090-C SUSPENSION KIT - QUANTITIES AS REQUIRED, SEE DWG E001 FOR LAYOUT						PER DWG			TO BE INSTALLED IN THE PERMANENT GALLERY	
T3	BUSWAY	LITELAB BUS-13R1AX02-012.000UF + TED-13R1 FEEDS + BUS-13R1 MITERED CORNER + TBC-IT-01 CLIPS + B-HHO-TR-250 TURNBUCKLES - QUANTITIES AS REQUIRED, SEE DWG E001 FOR LAYOUT						PER DWG			TO BE INSTALLED IN ELEVATOR CORRIDOR	
L2	LED DOWNLIGHT	PRESCOLITE LF4LEDG4LFLED7G4-120-DM1-4LFLED7G4-35K-B24	RECESSED	26.6	2000	3500K	>80		0-10V	120		
L3	LED PENDANT DIRECT	LITECONTROL 4L-P-D-4-SOF-TBD FINISH-35K-D090-D10-1C-UNV-FA1-L1	PENDANT	36.1	3599	3500K	>80		0-10V	120	SOFT DIFFUSE LENS, CONFIRM FINISH WITH ARCH	
L4	LED PENDANT DIRECT	LITECONTROL 4L-P-D-2-SOF-TBD FINISH-35K-D090-D10-1C-UNV-FA1-L1	PENDANT	18	1800	3500K	>80		0-10V	120	SOFT DIFFUSE LENS, CONFIRM FINISH WITH ARCH	
L5	LED STRIP	COLUMBIA LCL-4-35ML-E-U-CSHC	PENDANT	42	5329	3500K	>80		FIXED OUTPUT	120		
L6	LED CYLINDER	PRESCOLITE LCC6LED-V2-S-24L-35K-8-WFL45-BC-WH	SURFACE	32.2	2426	3500K	>80		0-10V	120		
L7	LED 2X2 ARCHITECTURAL TROFFER	LITECONTROL LHF-L-G-D-22-SOF-C1-35K-D30-D10-UNV	RECESSED	33	3000	3500K	>80		0-10V	120	SOFT DIFFUSE LENS	
L8	LED 2X2 TROFFER	COLUMBIA LJT 22-35-MW-G-FS-A12-ED-U	RECESSED	18	1926	3500K	>80		0-10V	120	PATTERN 12 LENS	
L9	LED 2X2 TROFFER	COLUMBIA LJT 22-35-LW-G-FS-A12-ED-U	RECESSED	24	2479	3500K	>80		0-10V	120	PATTERN 12 LENS	
L10	LED TAPE LIGHT	LUMINII KS-LENGTH TO SUIT-35K-HO-C-A-WH-F1, APOWER SUPPLY TO SUIT LENGTH PSV-NON DIM, CONNECTORS TO SUIT	SURFACE	5.2	342/FT	3500K	>80		NON-DIM	120	CLEAR LENS, WATTS ARE PER/FT	
L11	LED 2X2 TROFFER	COLUMBIA LJT 22-35-ML-G-FS-A12-ED-U	RECESSED	31	3365	3500K	>80		0-10V	120	PATTERN 12 LENS	
L12	LED LINEAR WALL GRAZER	ACCLAIM AGH-241-D-D-B-N	SURFACE	36	1676	3500K	>80		0-10V	120		
L13	LED MILLWORK LIGHT	SM563860V	RECESSED	2.3	220	3000K	>80			120	DIMMABLE W/LutronA@ CL or LevitonA@ LED Dimmer	
L14	LED PENDANT DIRECT/INDIRECT	LITECONTROL 4L-P-ID-LPA-08-SOF-C1-35K-I075-D050-D10-1C-UNV-FA1-L1	PENDANT	45.3	4999	3500K	>80		0-10V	120	SOFT DIFFUSE LENS	
L15	LED STRIP LIGHT	DIFFUSION SL6-IN-XX24V-3500K C/W SLC-002S AND REMOTE 0-10V DRIVER	COVE	4.5	420	3500K			0-10V	120		

LUMINAIRE NOTE

- LUMINAIRES TO BE COMPLETE WITH INTEGRAL DAYLIGHT SENSORS.
- LUMINAIRES TO BE COMPLETE WITH INTEGRAL OCCUPANCY SENSORS.
- PROVIDED BY OWNER.

GENERAL NOTES

- DUE TO CONSTANT CHANGES IN CATALOGUE NUMBERS, ALL NUMBERS INDICATED MUST BE VERIFIED WITH THE MANUFACTURER PRIOR TO ORDERING.
- ALL LUMINAIRE FINISHES TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING.
- TYPE OF CONSTRUCTION FOR ALL CEILINGS TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING MOUNTING KITS. CONTRACTOR TO OBTAIN A SET OF FFC ARCHITECTURAL DRAWINGS AND COORDINATE MOUNTING WITH CEILING TYPES SHOWN. NO EXTRAS WILL BE ALLOWED FOR RE-ORDERING OF LUMINAIRES OR MOUNTING KITS TO MATCH CEILING TYPES SHOWN ON ARCHITECTURAL PLANS. MOUNTING HEIGHT OF ALL SUSPENDED LUMINAIRES TO BE ADJUSTABLE ON SITE, AND CONTRACTOR TO COORDINATE ON SITE UNDER DIRECTION OF CONSULTANT.
- CONTRACTOR TO ALLOW A MINIMUM 2 WEEKS FOR INITIAL REVIEW OF ENTIRE LIGHTING SHOP DRAWING PACKAGE. NO DELAY CLAIMS WILL BE ALLOWED FOR ANY SUBSEQUENT REVIEW TIME REQUIRED DUE TO INCORRECT SHOP DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE LUMINAIRES ARE DELIVERED IN A TIMELY MANNER TO THE SITE. NO EXTRAS WILL BE ALLOWED FOR RE-ORDERING OF LUMINAIRES OR MOUNTING KITS TO MATCH CEILING TYPES SHOWN ON ARCHITECTURAL PLANS.
- ALL CONTROLS INTEGRATED WITH LUMINAIRES TO BE COMMISSIONED ON SITE AFTER INSTALL. CONTRACTOR TO ENSURE THAT ALLOWANCE IS MADE FOR ADJUSTING AND COMMISSIONING OF ALL CONTROLS AS REQUIRED.
- COORDINATE MOUNTING HEIGHT OF ALL WALL MOUNTED LUMINAIRES WITH ARCHITECT PRIOR TO ROUGH-IN. COORDINATE SUSPENSION HEIGHT OF ALL SUSPENDED LUMINAIRES WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL JUNCTION BOXES FOR SURFACE MOUNT LUMINAIRES SHALL NOT BE WIDER THAN THE LUMINAIRE MOUNTING PLATE.
- ALL LED LUMINAIRES ARE TO BE INCLUDED WITH CONSTANT CURRENT DRIVERS UNLESS SPECIFIED.

LUMINAIRE SCHEDULE

ELECTRICAL SPECIFICATION

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| <p>1. GENERAL</p> <p>.1 GENERAL REQUIREMENTS, INSTRUCTIONS TO BIDDERS, THIS SPECIFICATION AND ANY ADDENDA HERETO FORM PART OF THE CONTRACT DOCUMENTS AND SHALL BE READ IN CONJUNCTION WITH THEM. WORK TO INCLUDE THE FURNISHING OF ALL LABOR AND MATERIALS, UNLESS SPECIFIED OTHERWISE, TO COMPLETE AND PUT INTO OPERATING CONDITION ALL ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN.</p> <p>.2 IT IS THE INTENT OF THE WORK TO PROVIDE COMPLETE, NEATLY FINISHED, AND OPERATIONAL SYSTEMS AND ANY LABOR, MATERIAL, PERMITS, LICENSES, APPROVALS AND INSPECTIONS REQUIRED FOR COMPLETION OF THE WORK, WHETHER SPECIFICALLY MENTIONED IN THE DRAWINGS OR SPECIFICATIONS OR NOT, ARE TO BE INCLUDED IN THE TENDERED PRICE.</p> <p>.3 RESPONSIBILITY AS TO WHICH TRADE PROVIDES REQUIRED ARTICLES OR MATERIALS RESTS SOLELY WITH THE GENERAL CONTRACTOR. TRADE EXTRAS WILL NOT BE CONSIDERED BASED ON GROUNDS OF DIFFERENCE OF INTERPRETATION OF SPECIFICATIONS AS TO WHICH TRADE INVOLVED SHALL PROVIDE CERTAIN SPECIALTIES OR MATERIALS.</p> <p>.4 THE DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE WORKS, INCLUDING ALL OF THOSE RELATED TO OTHER TRADES ARE TO BE EXAMINED BEFORE SUBMITTING TENDERS. ALL ELECTRICAL AND COMMUNICATIONS REQUIREMENTS INDICATED ARE TO BE INCLUDED IN THE SCOPE OF THE WORK.</p> <p>2. DRAWINGS AND SPECIFICATIONS</p> <p>.1 DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO EACH OTHER AND WHAT IS CALLED FOR BY ONE IS TO BE BINDING AS IF CALLED FOR BY BOTH.</p> <p>.2 SHOULD ANY DISCREPANCY APPEAR BETWEEN DRAWINGS AND SPECIFICATIONS THAT LEAVES THE ELECTRICAL TRADE IN DOUBT AS TO TRUE INTENT AND MEANING, OBTAIN RULING FROM THE ENGINEER BEFORE SUBMITTING TENDER, OR ALLOW FOR THE MOST EXPENSIVE ALTERNATIVE.</p> <p>3. UNIFORMITY OF EQUIPMENT</p> <p>.1 UNLESS OTHERWISE SPECIFIED, UNIFORMITY OF MANUFACTURE IS TO BE MAINTAINED FOR ANY PARTICULAR ITEM THROUGHOUT.</p> <p>4. STANDARDS OF MATERIAL AND WORKMANSHIP</p> <p>.1 ALL MATERIALS ARE TO BE NEW AND OF THE QUALITY SPECIFIED, AND SHALL BE APPROVED BY CSA OR EQUIVALENT AGENCY RECOGNIZED IN BRITISH COLUMBIA.</p> <p>.2 ALL WORK SHALL BE EXECUTED IN A NEAT AND WORKMANLIKE MANNER BY QUALIFIED TRADESMEN, THE ELECTRICAL CONTRACTOR SHALL KEEP A COMPETENT FOREMAN AND NECESSARY ASSISTANTS ON THE SITE DURING THE PROGRESS OF THE WORK.</p> <p>.3 ALL MATERIAL AND INSTALLATION SHALL MATCH BUILDING STANDARD UNLESS IT IS NOTED OTHERWISE ON THE DRAWINGS.</p> <p>5. RECORD PLANS & MAINTENANCE MANUALS</p> <p>.1 THIS CONTRACTOR SHALL PROVIDE 3 THREE-RING BINDERS FOR MAINTENANCE MANUALS. MANUALS SHALL CONTAIN ALL WARRANTIES, SHOP DRAWINGS, INSPECTION LETTERS, PANEL SCHEDULES, ETC.</p> | <p>6. SHOP DRAWINGS</p> <p>.1 THE ELECTRICAL CONTRACTOR IS TO SUBMIT TO THE ENGINEER, FOR REVIEW, SHOP DRAWINGS OF LUMINAIRES AND TRACK SYSTEM.</p> <p>.2 ALL DRAWINGS ARE TO BE SUBMITTED ELECTRONICALLY.</p> <p>.3 THE ENGINEER'S REVIEW OF SHOP DRAWINGS IS TO BE FOR GENERAL DESIGN ONLY AND WILL NOT RELIEVE THE ELECTRICAL TRADE OR SUPPLIERS FROM RESPONSIBILITY FOR ERRORS, PROPER FITTING, CONSTRUCTION OF WORK, AND FURNISHING OF MATERIALS. REVIEW WILL NOT BE CONSTRUED AS APPROVING DEPARTURES FROM CONTRACT DOCUMENT REQUIREMENTS IF SUCH DEPARTURES ARE NOT SPECIFICALLY NOTED. THE ELECTRICAL TRADE IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS.</p> <p>.4 DEVIATIONS FROM THE SPECIFIED LUMINAIRE AND CONTROL PACKAGE WILL REQUIRE ASHRAE 90.1-2010 COMPLIANCE FORMS TO BE REVISED AND RESUBMITTED TO THE AUTHORITY HAVING JURISDICTION BY THE ELECTRICAL ENGINEER OF RECORD FOR THE PROJECT. THE COST OF REVISING AND RESUBMITTING THESE FORMS WILL BE AT THE EXPENSE OF THE CONTRACTOR. ALLOW FOR THE FOLLOWING TO BE PAYABLE TO THE ELECTRICAL CONSULTANT, FOR THE WORK TO BE COMPLETED:</p> <ul style="list-style-type: none"> - \$5,000 PER ALTERNATE PACKAGE SUBMISSION TO REVIEW AND ENSURE ENERGY AND CONTROL TARGETS ARE NOT DEVIATED FROM. - \$8,000 TO COMPLETE THE COMPLIANCE FORMS WITH THE ACCEPTED ALTERNATE LUMINAIRES/CONTROL PACKAGE. <p>7. GUARANTEE WARRANTY</p> <p>.1 THE ELECTRICAL TRADE SHALL FURNISH A WRITTEN GUARANTEE WARRANTY, SIGNED BY AUTHORIZED PERSONNEL, STATING:</p> <ol style="list-style-type: none"> 1. THAT ALL WORK EXECUTED UNDER THIS CONTRACT WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP FOR A PERIOD OF 5 YEARS FROM DATE OF FINAL ACCEPTANCE. 2. THE ABOVE PARTIES FURTHER AGREE TO, AT THEIR OWN EXPENSE, REPAIR AND REPLACE ALL SUCH DEFECTIVE WORK, AND OTHER WORK DAMAGED THEREBY, WHICH FAILS OR BECOMES DEFECTIVE DURING THE TERM OF THE GUARANTEE WARRANTY PROVIDED THAT SUCH FAILURE IS NOT DUE TO IMPROPER USAGE. 3. THE PERIOD OF THE GUARANTEE SPECIFIED WILL IN NO WAY SUPPLANT ANY OTHER GUARANTEE OF A LONGER PERIOD BUT BE BINDING ON WORK NOT OTHERWISE COVERED. |
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1 12/07/2017 ISSUED FOR TENDER

No.	Date	Issue/Revision Notes
NVMA		
Sheet Title		
SCHEDULES & SPECIFICATIONS		
Total # of Sheets	Date	
	2017-06-21	
Drawn By	Sheet No.	E002
JZ		
Project ID	2-17-066	

1. GENERAL

1.1. GENERAL REQUIREMENTS

1. The Purchase Order Invitation to Quote and Division 1 shall be deemed to be part of all sections of the specifications and shall be read in conjunction therewith.
2. In addition to general responsibility for the complete Work, and unless specified otherwise, the Contractor shall be deemed to be specifically responsible for general work items specified in Division 1- General Requirements.
3. The Contractor referred to throughout Division 1 refers to the Supplier of Lighting System.

1.2. SUMMARY OF WORK

1. The Work generally consists of, but is not necessarily limited to the following:
 1. The supply of lighting system for the North Vancouver Museum
2. The delivery of the lighting to location provided in Bid Documents
 3. Refer to supporting documentation for Separate Price

1.4. PROGRESS MEETINGS

1. The owner will confirm a meeting date in the Award Letter for parties in contract to discuss and resolve administrative procedures and responsibilities. Representatives of the Owner, the Architect, Electrical Consultant and the Contractor will be in attendance.
2. Regular progress meetings will be held as required throughout the project as determined by the City Project Manager. The Contractor shall have present at these meetings such personnel as will directly represent the Contractor and, as such, shall make decisions on behalf of the Contractor in all matters relating to the project.

1.5. DIMENSIONS

1. The proposed lighting layout is included for reference. Quantities are noted in the spreadsheets on the drawing. Verify all quantities and notify the Consultant of any discrepancies so that they may be corrected prior to the preparation of shop drawings. The Contractor will be held responsible for any errors resulting from his failure to exercise such precautions.

1.6. WORK FORCE

1. The Contractor shall provide and maintain, in full operation at all times during the performance of the contract, a sufficient crew of labourers, mechanics and staff to carry out the work efficiently within the agreed delivery schedule.

1.7. WORKMANSHIP

1. All Work shall be performed by skilled staff, experienced in their trade, according to rules and customs of best trade practices for first class work and to the various standards recommended and specified.

1.8. SCHEDULE

1. Delivery to warehouse in the Lower Mainland, BC. for storage for up to two years.
2. Prepare and submit to the Consultant and the Owner (3) days after issuance of Purchase Order a schedule that indicates the timing of the major activities of the Work and provides sufficient detail of the critical events and their inter-relationship to demonstrate the Work will be performed in conformity with the Contract Time.

1.9. CONTRACTOR PAYMENTS

1. The Contractor shall review the proposed draw with the Consultant (unless otherwise instructed), prior to formally submitting the claim. Claims shall be dated and submitted for review as of the last working day of the month.
2. All invoices are to be addressed to the City of North Vancouver c/o Consultant. Invoices must be submitted in electronic copy only and show the project name and number and the GST registration number of the firm submitting the invoice.
3. Statutory Declarations are required with all progress claims except first claim.
4. WorkSafeBC Clearance is required with all progress claims.
5. Updated project schedule, both in hard copy and electronic form, is required with all progress claims.
6. The Owner reserves the right to withhold payment if liens are filed or registered when payment is otherwise due.
7. Title to all Materials delivered to the bonded warehouse for which credit for work performed is claimed in any application for payment shall, on the making of such payment, rest in the Owner.

END OF SECTION
NOVEMBER 23, 2017