

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

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## **SPECIFICATIONS**

### **.1 Section 01 01 50 – General Instructions**

Clause 5.5: Construction Work Schedule / Project Meetings

- (1) **Add:** following paragraph as sub-clause # 5.5.4 to read;  
**“Conduct construction start-up and progress meetings every two weeks or as otherwise directed by Departmental Representative. Record meeting minutes and share with all attendees and non-attendees for review and comments within 3 calendar days of the meeting date. After finalizing the minutes, forward them to Departmental Representative for approval and filing within 7 calendar days of the meeting date. Follow format provided by the Departmental Representative for meeting minutes”**

### **.2 Section 26 05 00 – Common Work Results - Electrical**

Clause 1.22: Power Interruptions

- (2) **Revise:** paragraph 1.22.1 to read;  
**“Contractor shall work closely with Departmental Representative to arrange all interruptions of any portion of the existing electrical distribution systems.”**

### **.3 Section 26 50 00 – Luminaires**

Clause 2.1 : General

- (3) **Revise:** following paragraph # 2.1.3 to read;  
**“Refer to electrical drawings for Luminaire Schedules showing existing luminaires and mounting details. Verify / confirm existing site conditions including voltage and mounting details of luminaires before ordering materials.”**
  - (4) **Add:** following paragraph as sub-clause # 2.1.5 to read;  
**“For all canopy/soffit mounted down lights, verify sizes of existing openings and confirm luminaire type and mounting requirements with manufacturer prior to ordering the materials.”**
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Clause 2.2.1: Type 'A' Luminaire

- (5) **Revise:** paragraph 2.2.1.1.1 to read;  
**“Flood Light Luminaire with Light Emitting Diode (LED) lamp to be installed on top of the poles – Galvanized Yoke mount.”**

Clause 2.2.2: Type 'C1' Luminaire

- (6) **Revise:** paragraph 2.2.2.1.7 to read;  
**“Housing: Die cast aluminum. Wet Location Listed”**
- (7) **Revise:** paragraph 2.2.2.1.11 to read;  
**“Paint colour: Bronze”**

Clause 2.2.3: Type 'C2' Luminaire

- (8) **Revise:** paragraph 2.2.3.1 to read;  
**“Same wall pack as type 'C1' luminaire with the exception of glass, voltage, input wattage and lumen output.”**
- (9) **Add:** following paragraph as sub-clause # 2.2.3.5 to read;  
**“Lens: Glass – Prismatic wide throw.”**

Clause 2.2.6: Type 'C5' Luminaire

- (10) **Revise:** paragraph 2.2.6.1.6 to read;  
**“Optics: Type 4”**
- (11) **Revise:** paragraph 2.2.6.1.11 to read;  
**“Paint colour: Bronze”**

Clause 2.2.8: Type 'D' Luminaire

- (12) **Revise:** paragraph 2.2.8.1.1 to read;  
**“Rectangular shape roadway light fixture with Light Emitting Diode (LED) lamp to be installed with universal mounting arm on existing shoe box poles (5” x 5”) - single or double heads.”**
  - (13) **Revise:** paragraph 2.2.8.1.2 to read;  
**“Lumen Output: 28000 L”**
  - (14) **Revise:** paragraph 2.2.8.2.3 to read;  
**“Input Wattage: Equal or less than 250W”**
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Clause 2.2.8: Type 'E3' Luminaire

- (15) **Revise:** paragraph 2.2.8.12.1 to read;  
“**Same down light as type 'E' luminaire with the exception of opening size, lumen output, voltage and input wattage.**”

Clause 2.2.13: Type 'G' Luminaire

- (16) **Revise:** paragraph 2.2.13.2 to read;  
“**Replace existing incandescent lamps with 20W LED lamp.**”

Clause 2.2.14: Type 'I' Luminaire

- (17) **Revise:** paragraph 2.2.14.1.7 to read;  
“**Lens: Glass**”
- (18) **Revise:** paragraph 2.2.14.1.11 to read;  
“**Paint colour: Black**”

Clause 2.2.15: Type 'I1' Luminaire

- (19) **Revise:** paragraph 2.2.15.2 to read;  
“**Voltage: 120V**”

Clause 2.2.16: Type 'K' Luminaire

- (20) **Revise:** paragraph 2.2.16.1.4 to read;  
“**Mounting: Yoke mount – to match existing site condition.**”
- (21) **Revise:** paragraph 2.2.16.1.6 to read;  
“**Lense: Glass.**”
- (22) **Revise:** paragraph 2.2.16.1.10 to read;  
“**Paint colour: Black**”
- (23) **Revise:** paragraph 2.2.16.2.4 to read;  
“**Voltage: 120V**”

Clause 2.2.17: Type 'L' Luminaire

- (24) **Revise:** paragraph 2.2.17.1.2 to read;  
“**Lumen Output: 7500 L**”
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(25) **Revise:** paragraph 2.2.17.1.9 to read;  
**“Housing: Rugged Die cast aluminum”**

(26) **Revise:** paragraph 2.2.17.1.10 to read;  
**“Paint colour: Black”**

(27) **Delete:** paragraph **2.2.17.1.12**

Clause 2.2.18: Type ‘L1’ Luminaire

(28) **Revise:** paragraph 2.2.18.3 to read;  
**“Provide conversion socket and replace existing HPS lamp with 20W LED lamp.”**

Clause 2.2.20: Type ‘T’ Luminaire

(29) **Revise:** paragraph 2.2.20.1.4 to read;  
**“Mounting: 3” tenon. Provide tenon adaptor.”**

(30) **Revise:** paragraph 2.2.20.1.8 to read;  
**“Optical: Distribution Type 5**

(31) **Revise:** paragraph 2.2.20.1.11 to read;  
**“Paint colour: Black”**

(32) **Revise:** paragraph 2.2.20.2.4 to read;  
**“ Voltage: 240v”**

Clause 2.2.20: SPARE Luminaires

(33) **Revise:** clause number 2.2.20 to read;  
**“2.2.25 – SPARE LUMINAIRES”**

Clause 2.2.25: SPARE Luminaires

(34) **Add:** following luminaires and quantities to the Spare Luminaires list;  
.20 Type F – (1)  
.21 Type I2 – (1)  
.22 Type K1 – (1)  
.23 Type T1 – (1)

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**Add:** following Clause as **2.2.21** to read;

(35) **“2.2.21 - Type ‘F’ Luminaire:**

**.1 General Description:**

- .1 Low-profile Enclosed and Gasketed Industrial (2400mm / 8Ft) luminaire with Light Emitting Diode (LED) lamp.**
- .2 Mounting: Ceiling / Suspended complete with stainless steel mounting brackets.**
- .3 Lumen Output: 9000 L.**
- .4 Color Temperature: 3000 K. CRI > 70.**
- .5 Life expectancy: 100,000 hours at 25 Deg. C., L70. .**
- .6 Ambient Temperature: -35 to +40 Deg.C.**
- .7 Optics: High impact resistant Acrylic low profile frosted lens. Minimum thickness of the lens shall be 2mm.**
- .8 Housing: One piece fiberglass housing with NEMA 4X gasket. Approved as a wire way and for through wiring. NEMA 4X rated lens and housing. CSA listed for wet location.**
- .9 Surge protection: to ANSI C62.41 (6KV/3KA)**
- .10 Paint colour: White**
- .11 Warranty: 10 Years**

**.2 LED Driver:**

- .1 Electronic: 90% min power factor, max 20% THD**
- .2 Input Wattage: Equal or Less than 65W.**
- .4 Voltage: 120V.**
- .5 Power factor 90% minimum. ROHS compliant and maximum 20% THD.**
- .6 Life Expectancy: 100,000 hours at 25 Deg. C.**
- .7 Warranty: 10 Years.**

**Add:** following Clause as **2.2.22** to read;

(36) **“2.2.22 - Type ‘I2’ Luminaire:**

- .1 Same flood light as Type ‘I’ luminaire with the exception of voltage.**
- .2 Voltage: 347V”**

**Add:** following Clause as **2.2.23** to read;

(37) **“2.2.23 - Type ‘K1’ Luminaire:**

- .1 Same flood light as Type ‘K’ luminaire with the exception of Lumen output and input wattage.**
  - .2 Lumen Output: 14,000 L.**
  - .3 Input Wattage: Equal or Less than 120W”**
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**Add:** following Clause as **2.2.24** to read;

- (38) **“2.2.24 - Type ‘T1’ Luminaire:**
- .1 Same as Type ‘D’ luminaire with the exception of optics, Distribution type, mounting, input wattage and lumen output.**
  - .2 Optics: Borosilicate Glass-IP65 rated, 0% up light and restricted backlight**
  - .3 Distribution type: Type 5**
  - .4 Mounting: Rectangular cut-off luminaire with adaptor for pole.**
  - .5 Input Wattage: Equal or less than 365W.**
  - .6 Lumen Output: 47000 L.”**

Clause 3: EXECUTION

- (39) **Revise:** paragraph 3.1.1 to read;  
**“Install new luminaires on walls, soffits, existing poles and posts complete with LED lamps and all mounting adaptors to fit site conditions.”**

## DRAWINGS

- .1 Drawing No. E-2 – MATSQUI INSTITUTION – Site Plan**
- (40) **Replace:** Drawing Note # 1 with new note to read:  
**“(4) Luminaires on each pole except pole # 25 with (5) luminaires.”**
- (41) **Replace:** Existing Type ‘F’ luminaires (total of 6) under the walkway cover in front of the Administration Building. Extend existing branch circuit wiring between the luminaires as required.
- (42) **Delete:** Pole # 23 with Type ‘I’ luminaires.
- (43) **Change:** single head luminaire to double head luminaire on Pole # 9 and # 32.
- (44) **Add:** Type ‘C5’ luminaires (total of 4) on the upper level of Living Unit – LU-7.
- (45) **Add:** Type ‘L1’ luminaires (total of 2) at the entrance of Building LU-7.
- (46) **Change:** Luminaire type from Type ‘A’ to Type ‘I2’ on Pole # 30.
- (47) **Add:** Type ‘K1’ (total of 1) and Type ‘I1’ (total of 1) luminaires on the Building LU-3.
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- (48) **Add: Type 'K' luminaire (total of 1) on the side of walkway of Living Unit - 3 – yoke mounted.**
- (49) **Add: Type 'K' (total of 1) luminaire on the Administration Building.**
- (50) **Delete: Type 'T' luminaires (total of 3) – Poles # 40; #42 and #57.**
- (51) **Change: Type 'K' luminaires (total of 14) to Type 'K1' on Living Unit – 3.**

**.2 Drawing No. E-3 – MATSQUI INSTITUTION - Luminaire Schedule**

Luminaire Schedule – Living Unit 3;

- (52) **Revise: Type 'K' Luminaire to Type 'K1' (total of 14)**
- (53) **Revise mounting of: Type 'A' Luminaire to read: Yoke**
- (54) **Add: Type 'I1' luminaire (total of 1) – yoke mounted.**
- (55) **Add: Type 'K' luminaire (total of 1) – yoke mounted.**

Luminaire Schedule – Living Unit 7;

- (56) **Revise quantity of: Type 'C5' luminaire luminaire from (14) to (19).**
- (57) **Add: Type 'L' luminaire (total of 2)**

Luminaire Schedule – Administration Building;

- (58) **Revise quantity of: Type 'T' luminaire luminaire from (28) to (25).**
- (59) **Add : Type 'F' luminaires (total of 6).**
- (60) **Revise quantity of: Type 'K' luminaire from (1) to (2).**

Luminaire Schedule – Principal Entrance Building;

- (61) **Revise quantity of: Type 'I' luminaire from (47) to (46).**

**.3 Drawing No. E-4 – FRASER VALLEY INSTITUTION - Site Plan**

- (62) **Delete: Type 'C3' Luminaires (total of 3)**

- (63) Add: **Type 'L' luminaires (total of 3)**
- (64) Add: **Type 'E2' luminaires at the Principal Entrance Building (total of 2)**
- (65) Add: **Type 'C3' luminaires at the Principal Entrance Building (total of 2)**
- (66) Add: **Type 'E2' luminaires at the Living Unit - LU2 (total of 2)**
- (67) Add: **Type 'E2' luminaire at the Living Unit – LU3 (total of 1)**
- (68) Add: **Type 'E2' luminaire at the Living Unit – LU5 (total of 1)**
- (69) Add: **Type 'C4' luminaire at the Living Unit – LU8 (total of 1)**
- (70) Add: **Type 'E2' luminaire at the Living Unit – LU7 (total of 1)**
- (71) Add: **Type 'E2' luminaire at the Living Unit – LU10 (total of 1)**
- (72) Add: **Type 'T' luminaire near Living Unit – LU10 (total of 1)**
- (73) **Add: Type 'C3' luminaire at the Building F (total of 4)**

**.4 Drawing No. E-5 – FRASER VALLEY INSTITUTION - Luminaire Schedule**

Luminaire Schedule – Pricipal Entrance;

- (74) **Type 'E2' luminaire;**  
Change: Quantity to read: **8**
- (75) **Type 'C3' luminaire;**  
Change: Quantity to read: **8**

Luminaire Schedule – Dog Kennel;

- (76) **Type 'C3' luminaire;** Change Luminaire Type to read; **Type 'C4'**

Luminaire Schedule – Ground Storage;

- (77) **Type 'C3' luminaire;** Change Luminaire Type to read; **Type 'C4'**

Luminaire Schedule – Intensive Intervention Unit;

- (78) **Type 'I' luminaire;** Change Luminaire Type to read; **Type 'I1'**
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Luminaire Schedule – Living Unit 2:

- (79) **Add: Type 'E2' luminaire (total of 2)**

Luminaire Schedule – Living Unit 5:

- (80) **Type 'E2' luminaire;**  
Change: Quantity to read: **2**

**.5 Drawing No. E-6 – FRASER VALLEY INSTITUTION - Luminaire Schedule**

Luminaire Schedule – Building F:

- (81) **Type 'C3' luminaire;**  
Change: Quantity to read: **11**

**.6 Drawing No. E-7 – PACIFIC INSTITUTION – Site Plan**

- (82) **Change:** Luminaire types 'I' on the following poles # 36; 37; 38; 39; 40; 41; 42; 43; 45; 46; 47; 48; 49; 50; 51; 52; 53; 54; 56; 58 to read **"Type 'I2'".**
- (83) **Change:** Luminaire type on poles # 18 and 58 to read; **Type 'D'**
- (84) **Change:** Luminaire type on poles # 32; 55; 57; 59; 60 to read; **Type 'T1'**
- (85) **Change:** Luminaire type on pole # 56; **Type 'I2'**
- (86) **Delete:** Type 'C2' luminaires at the Building C (total of 2).
- (87) **Delete:** Type 'C2' luminaires at the Building A (total of 1).
- (88) **Delete:** Type 'C2' luminaires at the Building F (total of 2).
- (89) **Add:** Type 'C3' luminaires at the Building F (total of 4).
- (90) **Add:** Type 'L' luminaires at the Principal Entrance Building (total of 5).
- (91) **Add:** Type 'C3' luminaires at the Building D (total of 5).
- (92) **Add:** Type 'D' luminaire near the Building D (total of 1).
- (93) **Add:** Type 'L' luminaires at the Building E (total of 3).
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- (94) **Add:** Type 'C3' luminaires at the Building Q (total of 2).
- (95) **Add:** Type 'D' luminaire in front of Building F8 (total of 1).
- (96) **Add:** Type 'C3' luminaire at the Building F8 (total of 1).
- (97) **Add:** Type 'C3' luminaires at the Building R (total of 3).
- (98) **Add:** Type 'C3' luminaire at the Building P (total of 1).
- (99) **Add:** Type 'C3' luminaires at the Building N (total of 2).
- (100) **Add:** Type 'E' luminaires at the covered walkway near Building F (total of 2).

**.7 Drawing No. E-8 – PACIFIC INSTITUTION – Luminaire Schedule**

Luminaire Schedule – Powerhouse V;

- (101) **Type 'D' luminaire;**  
Change: Quantity to read: **38**
- (102) **Type 'E' luminaire;**  
Change: Quantity to read: **29**
- (103) **Type 'K' luminaire;**  
Change: Type to read; **Type 'I2'**  
Change: Quantity to read: **20**
- (104) **Type 'I' Luminaire;**  
Change: Type to read; **Type 'I2'**
- (105) **Type 'T' Luminaire;**  
Change: Type to read; **Type 'T1'**  
Change: Quantity to read: **5**  
Change: Wattage to read: **1000 W**

Luminaire Schedule – Building A

- (106) **Type 'C2' luminaire;**  
Change: Quantity to read: **4**

Luminaire Schedule – Building C

- (107) **Type 'C2' luminaire;**  
Change: Quantity to read: **1**
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Luminaire Schedule – Building D

- (108) **Type ‘C3’ luminaire;**  
Change: Quantity to read: **10**

Luminaire Schedule – Building E

- (109) **Add : Type ‘L’ luminaire (total of 3)**

Luminaire Schedule – Building F

- (110) **Add : Type ‘C3’ luminaire (total of 4)**
- (111) **Type ‘C2’ luminaire;**  
Change: Quantity to read: **4**

Luminaire Schedule – Building G

- (112) **Add : Type ‘L’ luminaire (total of 5)**

Luminaire Schedule – Building N

- (113) **Type ‘C3’ luminaire;**  
Change: Quantity to read: **4**

Luminaire Schedule – Building P

- (114) **Type ‘C3’ luminaire;**  
Change: Quantity to read: **4**

Luminaire Schedule – Building Q

- (115) **Type ‘C3’ luminaire;**  
Change: Quantity to read: **7**

Luminaire Schedule – Building R

- (116) **Add : Type ‘C3’ luminaire (total of 3)**
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## **GENERAL**

### **.1 Questions and Answers**

Following questions and answers are related to the existing luminaires and luminaire layout:

- (1) **Question:** Please specify which luminaires will require new poles and which luminaires will re-use existing poles.
  - **Answer:** All new pole / post mount type luminaires shall be installed on the existing poles / posts.
  
- (2) **Question:** Please confirm if the new luminaires should match the existing luminaires voltage or if we are required to re-wire to suit (for example, type K on E-8 shows 347V, but the spec is 208V).
  - o If we are required to re-wire to change the voltages, please provide locations for all electrical panels.
  - **Answer:** All new luminaires shall match the existing luminaire voltages. Please refer to Specifications / Section 26 50 00 / Clause 2.1 – General and refer to Line items (3) and (4) under Clause 2.1 General in this addendum.

## **ATTACHMENTS:**

### **Drawings:**

- E-2 Matsqui Institution Site plan**
- E-3 Matsqui Institution Luminaire Schedule**
- E-4 Fraser Valley Institution Site plan**
- E-5 Fraser Valley Institution Luminaire Schedule (1)**
- E-6 Fraser Valley Institution Luminaire Schedule (2)**
- E-7 Pacific Institution Site plan**
- E-8 Pacific Institution Luminaire Schedule**

**END OF ADDENDUM No. 1**

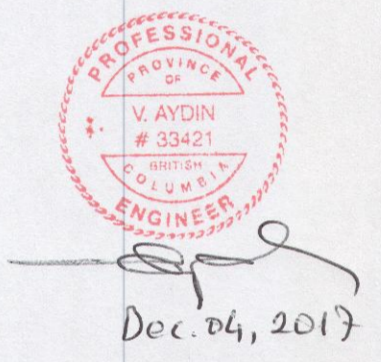
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# MATSQUI INSTITUTION

- GENERAL NOTES:**
- FLOOD LIGHT LUMINAIRES (POLES # 1 TO 24 - TYPE - '1'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 24) WITH NEW (LED) LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - FLOOD LIGHT LUMINAIRES (POLES # 25 TO 30 TYPE - 'A'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 24) WITH NEW (LED) LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - FLOOD LIGHT LUMINAIRES (POST MOUNTED ON # 31 AND 33 - TYPE - '11'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 4) WITH NEW (LED) LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - FLOOD LIGHT LUMINAIRES (WALL / TENON MOUNTED - TYPE - '11'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 4) WITH NEW (LED) LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - LAMP STANDARDS (POST TOP DOWN LIGHT - # 34 TO 61 - TYPE '1'); REPLACE EXISTING POST MOUNT LUMINAIRES (TOTAL OF 28) WITH NEW LED LUMINAIRES AS SHOWN.
  - WALL MOUNT FLOOD LIGHT LUMINAIRES - TYPE - 'K'; REPLACE EXISTING EXTERIOR WALL MOUNT FLOOD LIGHT LUMINAIRES (TOTAL OF 18) WITH NEW LED LUMINAIRES AS SHOWN ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - WALL PACK LUMINAIRES - TYPE - 'C2','C3','C5','C6'; REPLACE EXISTING EXTERIOR WALL AND CEILING MOUNT LUMINAIRES WITH NEW LED LUMINAIRES AS SHOWN ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - REMOVE ONLY THE NUMBER OF LUMINAIRES THAT WILL BE REPLACED IN THE SAME DAY.
  - DISPOSE OF ALL EXISTING REMOVED AND UNUSED MATERIALS FROM THE SITE.
  - ALLOW FOR ONE TIME RE-ADJUSTMENT OF ALL LIGHT OUTPUT MODULES (WHERE SPECIFIED) IN THE NEW LUMINAIRES ON SITE, AFTER THE DEMONSTRATION OF NEW LUMINAIRES TO DEPARTMENTAL REPRESENTATIVE.

- DRAWING NOTES:**
- LUMINAIRES ON EACH POLE, EXCEPT POLE #25 WITH LUMINAIRES  $\Delta$
  - EXISTING CCTV SECURITY CAMERAS ARE INSTALLED ON LIGHT POLES AT APPROXIMATELY 6.0M ABOVE FINISHED GRADE AND LUMINAIRES ARE INSTALLED ON TOP OF THE POLES (APPROX. 10.5M) AS IDENTIFIED ON THE DRAWINGS. DURING CONSTRUCTION PERIOD, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR RE-POSITIONING OF THE EXISTING POLE MOUNTED CCTV CAMERAS. IF NEEDED TO REPAIR DAMAGED CAMERAS OR TO REPOSITION CAMERAS, USE GENETEC-CERTIFIED SPECIALIST CCTV SUB-CONTRACTOR.



5		
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1	ISSUED FOR ADDENDUM #1	12/01/2017
0	Issued For Tender	10/20/2017
0	Design Completion	10/13/2017
Revision/Revision	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE CANADA**

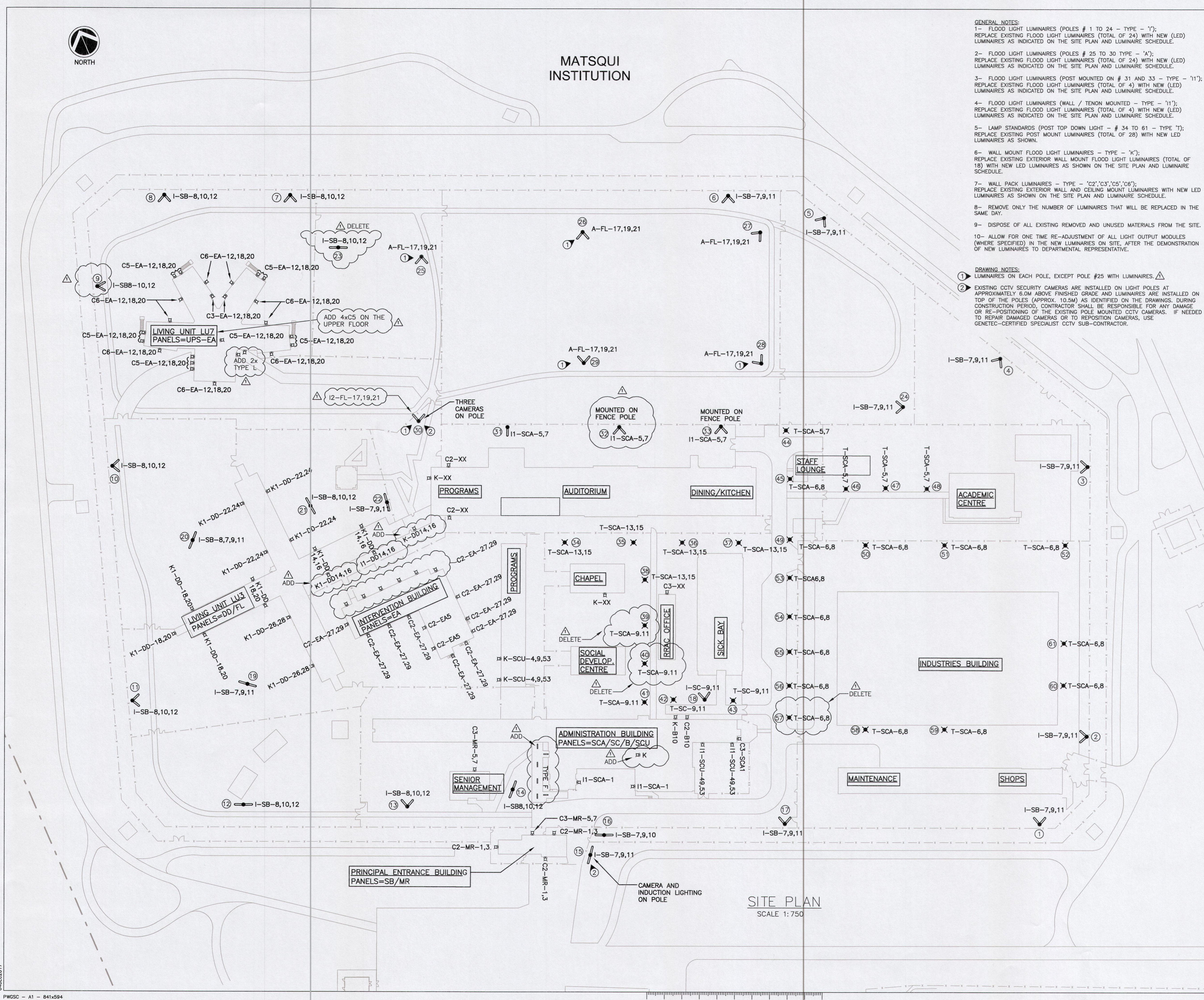
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**INTERNAL LIGHTING UPGRADE TO LED**

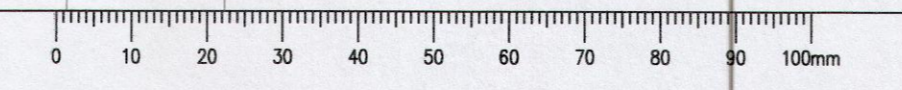
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 Calvin Lu  
 PWSC Regional Manager, Architectural and Engineering Services/  
 Gestionnaire regional, Services d'architectural et de genie, TPSCC  
 Principal Paul

Drawing title/Titre du dessin  
**MATSQUI INSTITUTION**  
**SITE PLAN**

Project No./No. du projet	Sheet/	Revision no./
R.090363.001	E-2 OF 8	1



**SITE PLAN**  
 SCALE 1:750



MATSQUI INSTITUTION - LUMINAIRE SCHEDULE										
Principal Entrance										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
SB	Electrical Room	7,8,9,10,11,12	400W	277V	Pole/Tenon 2"	8.75m	FLOOD/HPS	46		Type '1'
SCA & SCU	Electrical Room	1 & 49,53	400W	120V	Wall 2 3/8" Tenon	7.5m	FLOOD/HPS	4		Type '1'
MR	Electrical Room	1,3	175W	120V	Surface	3.2m	Wall Pack/HPS	3		Type 'C2'
MR	Electrical Room	5,7	70W	120V	Surface	2.4m	Wall Pack/MH	1		Type 'C3'

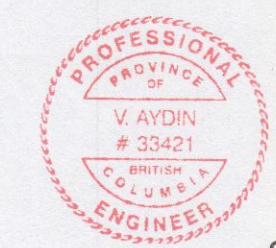
MATSQUI INSTITUTION - LUMINAIRE SCHEDULE										
Administration Building										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
SCA MZB		5,7,9,11,13,15	150W	120V	Wall/Surface	6.4m	FLOOD/HPS	3		Type 'K' Single Head
SCA MZB		5,6,7,8,9,11,13,15	150W	120V	Post/3" Tenon	5.2m	POST TOP DOWN LIGHT/HPS	25		Type 'T'
SCA MZB		1	400W	120V	Wall 2 3/8" Tenon	3.2m	FLOOD/HPS	2		Type '11'
Panel B Bottom Floor		10	150W	120V	Wall/Surface	5.0m	FLOOD/HPS	1		Type 'K' Single Head
B10		10	150W	120V	Surface	3.2m	Wall Pack/HPS	1		Type 'C2'
SCA-1		12,18,20	70W	120V	Surface	3.2m	MH	1		Type 'C3'
SCU Bottom Floor		49,53	400W	120V	Wall 2 3/8" Tenon	7.5m	FLOOD/HPS	2		Type '11'
Administration Building		n/a	128W	120V	Surface	3.0m	Fluorescent	6		Type 'F'

MATSQUI INSTITUTION - LUMINAIRE SCHEDULE										
Intervention Building										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
EA 135A		5,27,29	150W	120V	Surface	3.2m	Wall Pack/HPS	17		Type 'C2'

MATSQUI INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 3										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
DD Penthouse Floor		14,16,18,20,22,24,26,28	250W	120V	Wall/Surface	10.0m	Flood/HPS	14		Type 'K1' (Mounted high on the wall below roof)
DD Penthouse Floor		18,20	250W	120V	Wall/Surface	10.0m	Flood/HPS	14		Type 'K1' (Mounted high on the wall below roof)
DD Penthouse Floor		22,24	250W	120V	Wall/Surface	10.0m	Flood/HPS	14		Type 'K1' (Mounted high on the wall below roof)
DD Penthouse Floor		26,28	250W	120V	Wall/Surface	10.0m	Flood/HPS	14		Type 'K1' (Mounted high on the wall below roof)
FL Penthouse Floor		1,17,19,21	1000W	347V	Yoke	14.5m	Flood/MH Ball Field	21		Type 'A'
FL Penthouse Floor		n/a	400W	120V	Wall 2 3/8" Tenon	7.5m	FLOOD/HPS	1		Type '11'

MATSQUI INSTITUTION - LUMINAIRE SCHEDULE										
Living unit 7										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
UPS-EA 204		12,18,20	70W	120V	Surface	2.4m	MH	19		Type 'C5'
UPS-EA 204		12,18,20	175W	120V	Surface	3.2m	MH	9		Type 'C6'
UPS-EA 204		n/a	150W	120V	Surface Canopy Light	5.2m	Down Light/HPS	2		Type 'L1'

NOTES:  
 1- CIRCUIT NUMBERS AND MOUNTING TYPES FOR LUMINAIRES ARE PROVIDED FOR INFORMATION. CONFIRM ALL INFORMATION ON SITE PRIOR TO PERFORMING ANY WORK AND ORDERING ANY MATERIAL.  
 2- REFER TO SPECIFICATIONS / SECTION 26 50 00 FOR DETAILS OF NEW LED LUMINAIRES.



Dec. 04, 2017

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2	ISSUED FOR ADDENDUM #1	12/01/2017
1	Issued for Tender	10/20/2017
0	Design Completion	10/13/2017
Revision/	Description/Description	Date/Date
Client/client		

**CORRECTIONAL SERVICE CANADA**

Project title/Titre du projet  
**MATSQUI COMPLEX  
 33344 KING ROAD  
 ABBOTSFORD, B.C.**

**INTERNAL LIGHTING UPGRADE TO LED**

Consultant Signature Box Only

Designed by/Concept par  
 Veyssel Aydin

Drawn by/Dessiné par  
 S. Banfield

PWOSC Project Manager/Administrateur de Projets TPSGC  
 Calvin Lu

PWOSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régional, Services d'architecture et de génie, TPSGC  
 Preetipal Paul

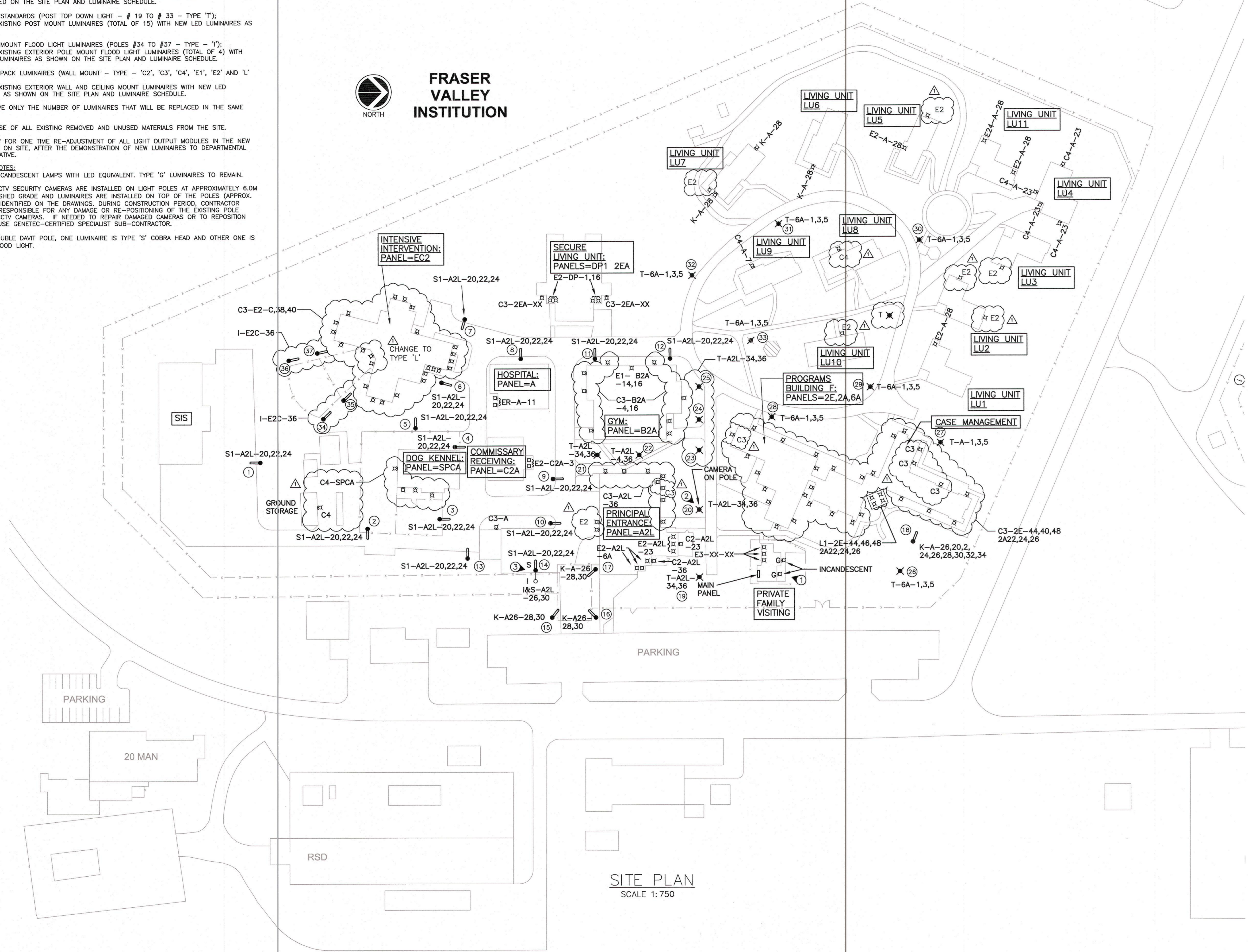
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**MATSQUI INSTITUTION  
 LUMINAIRE SCHEDULE**

Project No./No. du projet	Sheet/	Revision no./
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- GENERAL NOTES:**
- 1- COBRA HEAD ROADWAY LUMINAIRES (POLES # 1 TO 12 - TYPE - 'S1' AND POLES #13, #14 - TYPE - S); REPLACE EXISTING COBRA HEAD LUMINAIRES (TOTAL OF 12 TYPE S AND TOTAL OF 2 TYPE S1) WITH NEW (LED) LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 2- FLOOD LIGHT LUMINAIRES (POLES # 15 TO 18 - TYPE - 'K'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 4) WITH NEW (LED) LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 3- FLOOD LIGHT LUMINAIRES (WALL MOUNTED ON LIVING UNITS # 6 AND # 7 - TYPE - 'K'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 3) WITH NEW (LED) LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 4- LAMP STANDARDS (POST TOP DOWN LIGHT - # 19 TO # 33 - TYPE 'T'); REPLACE EXISTING POST MOUNT LUMINAIRES (TOTAL OF 15) WITH NEW LED LUMINAIRES AS SHOWN.
  - 5- POLE MOUNT FLOOD LIGHT LUMINAIRES (POLES #34 TO #37 - TYPE - 'I'); REPLACE EXISTING EXTERIOR POLE MOUNT FLOOD LIGHT LUMINAIRES (TOTAL OF 4) WITH NEW LED LUMINAIRES AS SHOWN ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 6- WALL PACK LUMINAIRES (WALL MOUNT - TYPE - 'C2', 'C3', 'C4', 'E1', 'E2' AND 'L'); REPLACE EXISTING EXTERIOR WALL AND CEILING MOUNT LUMINAIRES WITH NEW LED LUMINAIRES AS SHOWN ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 7- REMOVE ONLY THE NUMBER OF LUMINAIRES THAT WILL BE REPLACED IN THE SAME DAY.
  - 8- DISPOSE OF ALL EXISTING REMOVED AND UNUSED MATERIALS FROM THE SITE.
  - 9- ALLOW FOR ONE TIME RE-ADJUSTMENT OF ALL LIGHT OUTPUT MODULES IN THE NEW LUMINAIRES ON SITE, AFTER THE DEMONSTRATION OF NEW LUMINAIRES TO DEPARTMENTAL REPRESENTATIVE.
- DRAWING NOTES:**
- 1- REPLACE INCANDESCENT LAMPS WITH LED EQUIVALENT. TYPE 'G' LUMINAIRES TO REMAIN.
  - 2- EXISTING CCTV SECURITY CAMERAS ARE INSTALLED ON LIGHT POLES AT APPROXIMATELY 6.0M ABOVE FINISHED GRADE AND LUMINAIRES ARE INSTALLED ON TOP OF THE POLES (APPROX. 10.5M) AS IDENTIFIED ON THE DRAWINGS. DURING CONSTRUCTION PERIOD, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR RE-POSITIONING OF THE EXISTING POLE MOUNTED CCTV CAMERAS. IF NEEDED TO REPAIR DAMAGED CAMERAS OR TO REPOSITION CAMERAS, USE GENETEC-CERTIFIED SPECIALIST SUB-CONTRACTOR.
  - 3- ON THE DOUBLE DAVIT POLE, ONE LUMINAIRE IS TYPE 'S' COBRA HEAD AND OTHER ONE IS TYPE 'I' FLOOD LIGHT.

**FRASER VALLEY INSTITUTION**



PROFESSIONAL ENGINEER  
 V. AYDIN  
 #39421  
 Dec. 4, 2017

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2	ISSUED FOR ADDENDUM #1	12/01/2017
1	Issued For Tender	10/20/2017
0	Design Completion	10/13/2017
Revision/Description	Description/Description	Date/Date

**CORRECTIONAL SERVICE CANADA**

Project title/Titre du projet  
**MATSQUI COMPLEX**  
 33344 KING ROAD  
 ABBOTSFORD, B.C.

**INTERNAL LIGHTING UPGRADE TO LED**

Consultant Signature Box Only

Designed by/Concept par  
 Veyset Aydin

Drawn by/Dessine par  
 S. Banfield

PWSC Project Manager/Administrateur de Projets TPSOC  
 Calvin Lu

PWSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire Régional, Services d'Architecture et de Génie, TPSOC  
 Preetipal Paul

Drawing title/Titre du dessin  
**FRASER VALLEY INSTITUTION**  
**SITE PLAN**

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FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Principal Entrance										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Light bulb	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing / New Luminaire Type (Note 2)
☒	A2L Room AR-62	23	50W	120V	8" Pot Light	2.4m	HPS	8		Type 'E2'
☒	A2L Room AR-62	23	150W	120V	Wall Pack	2.4m	HPS	2		Type 'C2'
☒	A2L Room AR-62	40	50W	120V	Wall Pack	2.4m	HPS	8		Type 'C3'
☒	A2L Principal Entrance	20,22,24	250W	120V	Roadway Pole	10.7m	HPS	1		Type 'S'
☒	A2L Room AR-62	20,22,24	150W	120V	Roadway Pole	9.3m	HPS	12		Type 'S1'
☒	A2L Room AR-62	20,22,24, 28,30	250W & 400W Flood	120V	Roadway Pole Double Davit	10.7m	HPS	1		Type 'S & I'
☒	A2L Room AR-62	34,36	100W	120V	Post Top Down Light	7.3	HPS	7		Type 'T'
☒	A2L Room AR-62	28,30	150W	120V	Pole/ (Tenon)	4.9	Flood/HPS	4		Type 'K' Single Head

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Building A										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Light bulb	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing / New Luminaire Type (Note 2)
☒	A Mail Room	Not Specified	50W	120V	8" Pot Light	2.4m	HPS	1		Type 'C3'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Dog Kennel										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	SPCA Main Room	Not Specified	50W	120V	Wall Pack	2.4m	HPS	4		Type 'C4'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Ground Storage										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	No Label No Room	9	50W	120V	Wall Pack	2.4m	HPS	1		Type 'C4'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Intensive Intervention Unit										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	E2C Mechanical Room	38,40	150W	120V	Wall Pack	2.4m	HPS	3		Type 'C3'
☒	E2C Mechanical Room	38,40	50W	120V	Wall Pack	2.4m	HPS	10		Type 'C3'
☒	E2C Mechanical Room	38,40	26W	120V	Wall Pack	2.4m	HPS	12		Type 'C3'
☒	E2C Mechanical Room	36	400W	120V	Pole/ (Tenon)	9.5m	Flood/HPS	4		Type 'I1'

NOTES:  
 1- CIRCUIT NUMBERS AND MOUNTING TYPES FOR LUMINAIRES ARE PROVIDED FOR INFORMATION. CONFIRM ALL INFORMATION ON SITE PRIOR TO PERFORMING ANY WORK AND ORDERING ANY MATERIAL.  
 2- REFER TO SPECIFICATIONS / SECTION 26 50 00 FOR DETAILS OF NEW LED LUMINAIRES.

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Commissary Receiving										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	C2A Main Room	3	50W	120V	8" Pot Light	2.4m	HPS	2		Type 'E2'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Hospital										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A PR-24	11	50W	120V	8" Pot Light	2.4m	HPS	2		Type 'E2'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Secure Living Unit										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	DP1 Fire/Sprinkler Room	16	50W / 70W	120V	Wall Pack	2.4m	HPS	2		Type 'C3'
☒	F-2EA F2002	Not Specified	50W / 70W	120V	10" Pot Light	2.4m	HPS	4		Type 'E1'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Gym										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	B2A Fire/Sprinkler Room	14,16	50W / 70W	120V	Wall Pack	5.0m	HPS	4		Type 'C3'
☒	B2A Fire/Sprinkler Room	14,16	50W / 70W	120V	10" Pot Light	2.4m	HPS	1		Type 'E1'
☒	B2A Fire/Sprinkler Room	14,16	50W / 70W	120V	Wall Pack	2.4m	HPS	4		Type 'C3'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 1										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A 111	28	50	120V	8" Pot Light	2.4m	HPS	1		Type 'E2'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 2										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	n/a	n/a	50	120V	8" Pot Light	2.4m	HPS	2		Type 'E2'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 3										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	n/a	n/a	50	120V	8" Pot Light	2.4m	HPS	1		Type 'E2'

FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 4										
Symbol	Panel/Location	Circuit No.	Wattage	Voltage	Mounted	Height	Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A 111	3	50	120V	8" Pot Light	2.4m	HPS	4		Type 'C4'

PROFESSIONAL ENGINEER  
 V. AYDIN #33421  
 Dec 4, 2017

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2	ISSUED FOR ADDENDUM #1	12/01/2017
1	Issued For Tender	10/20/2017
0	Design Completion	10/15/2017
Revision/Description	Description/Description	Date/Date

**CORRECTIONAL SERVICE CANADA**

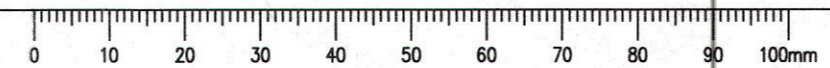
Project title/Titre du projet  
**MATSQUI COMPLEX**  
 33344 KING ROAD  
 ABBOTSFORD, B.C.

**INTERNAL LIGHTING UPGRADE TO LED**

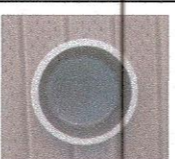






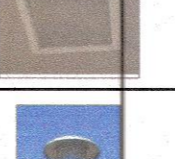
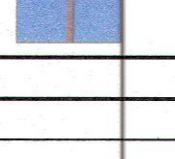

Consultant Signature Box Only  
 Designed by/Concept par  
 Veyssel Aydin  
 Drawn by/Dessiné par  
 S. Banfield  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
 Calvin Lu  
 PWGSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régional, Services d'architecture et de génie, TPSGC  
 Proestipal Paul

Drawing title/Titre du dessin  
**FRASER VALLEY INSTITUTION LUMINAIRE SCHEDULE (1)**

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FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 5										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A 106	28	50W	120V	8" Pot Light	2.4m	HPS	2		Type 'E2'
FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 6										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A 106	28	150W	120V	Surface/ Yoke	4.9m	Flood/HPS	1		Type 'K' Single Head
FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 7										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A 106	28	150W	120V	Flood	4.9m	HPS	2		Type 'K' Single Head
FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 9										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A 106	7	26W	120V	Wall Pack	2.4m	Compact Fluorescent	1		Type 'C4'
FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Living Unit 11										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	A 106	28	50w	120V	8" Pot Light	2.4m	HPS	2		Type 'E2'
FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Building F										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	2E FR-12	22,24,26, 44,46,48	70W	120V	Wall Pack	2.4m	HPS	14		Type 'C3'
☒	2E FR-12	22,24,26, 44,46,48	70W	120V	Wall Pack	2.4m	HPS	15		Type 'C3'
☒	2A FR-34	22,24,26, 44,46,48	35	120V	Square Pot Light	2.4m	HPS	4		Type 'L1' (Note 4)
☒	6A FR-34	1,3,5	250W	120V	Post Top Down Light	2.4m	HPS	8		Type 'T'
FRASER VALLEY INSTITUTION - LUMINAIRE SCHEDULE										
Private Family Visiting										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
☒	Main Panel Main Room	N/A	50W	120V	6" Pot Light	2.4m	HPS	3		Type 'E3'
☒	Main Panel Main Room	N/A	50W	120V	Wall Light	2.4m	Incandescent	2	-	Type 'G' (Note 3)

NOTES:  
1- CIRCUIT NUMBERS AND MOUNTING TYPES FOR LUMINAIRES ARE PROVIDED FOR INFORMATION. CONFIRM ALL INFORMATION ON SITE PRIOR TO PERFORMING ANY WORK AND ORDERING ANY MATERIAL.  
2- REFER TO SPECIFICATIONS / SECTION 26 50 00 FOR DETAILS OF NEW LED LUMINAIRES.  
3- TYPE 'G' LUMINAIRES SHALL REMAIN. REPLACE ONLY LAMPS WITH LED LAMPS.  
4- TYPE 'L1' LUMINAIRES SHALL REMAIN. PROVIDE CONVERSION SOCKET AND REPLACE HPS LAMPS WITH LED EQUIVALENT IN ACCORDANCE WITH THE SPECIFICATIONS / SECTION 26 50 00.

PROFESSIONAL  
ENGINEER  
V. AYDIN  
# 33421  
C.B.C.A.  
ENGINEER  
Dec. 4, 2017

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2	ISSUED FOR ADDENDUM #1	12/01/2017
1	Issued For Tender	10/20/2017
0	Design Completion	10/13/2017
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE CANADA**

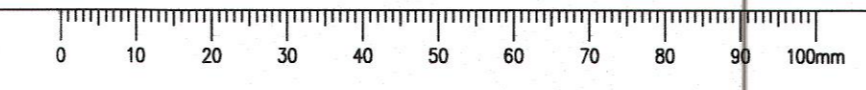
Project title/Titre du projet  
**MATSQUI COMPLEX  
33344 KING ROAD  
ABBOTSFORD, B.C.**

**INTERNAL LIGHTING  
UPGRADE TO LED**

Consultant Signature Box Only  
Designed by/Concept par  
Veyssel Aydin  
Drawn by/Dessine par  
S. Banfield  
PWSC Project Manager/Administrateur de Projets TPSSC  
Calvin Lu  
PWSC, Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
Président Paul

Drawing title/Titre du dessin  
**FRASER VALLEY INSTITUTION  
LUMINAIRE SCHEDULE (2)**

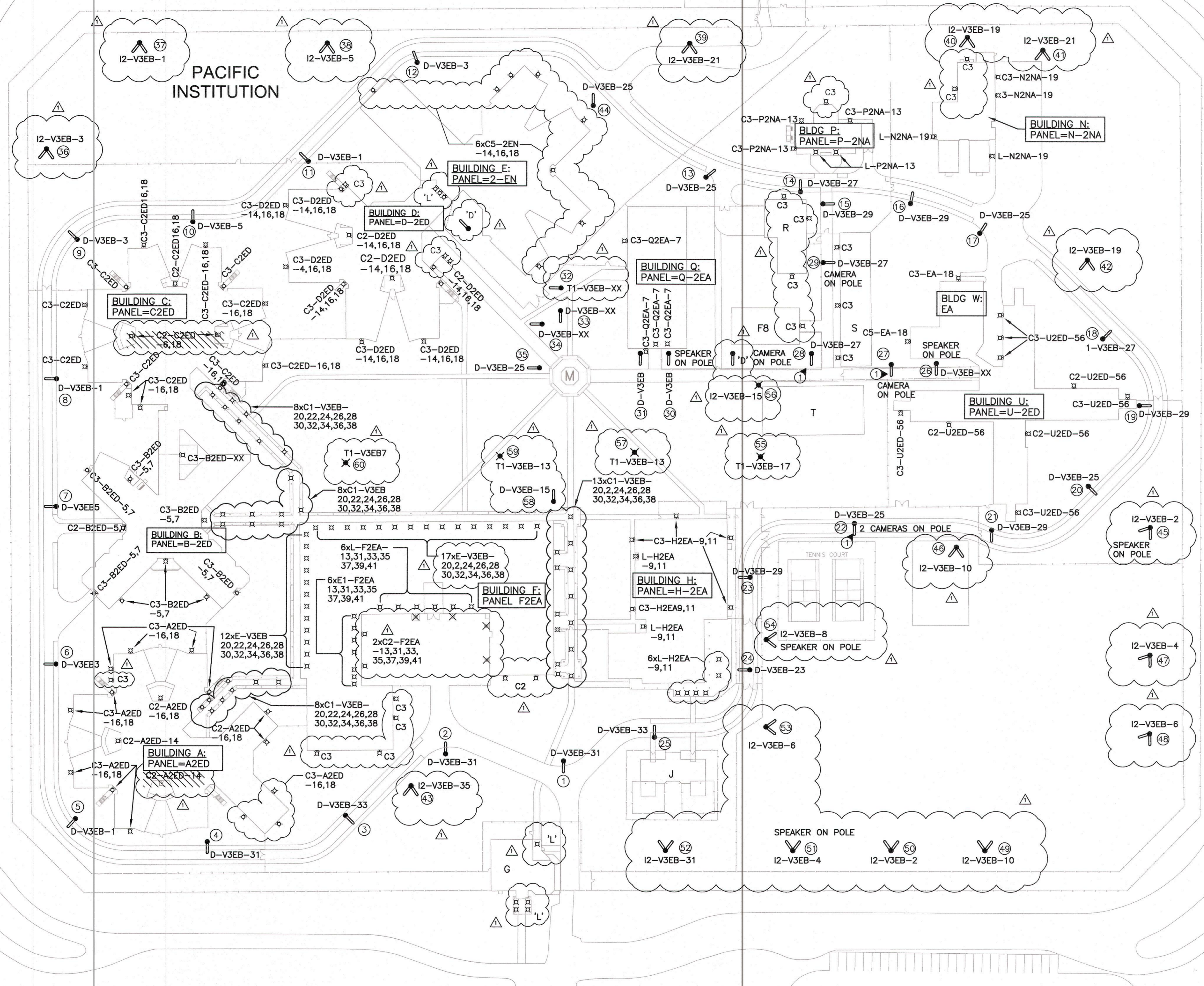
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- GENERAL NOTES:**
- 1- FLOOD LIGHT LUMINAIRES (POLES # 1 TO 35 - TYPE - 'D'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 35) WITH NEW LED LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 2- FLOOD LIGHT LUMINAIRES (POLES # 36 TO 43 - TYPE - 'K'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 16) WITH NEW LED LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 3- FLOOD LIGHT LUMINAIRES (POLES # 45 TO 54 - TYPE - 'Y'); REPLACE EXISTING FLOOD LIGHT LUMINAIRES (TOTAL OF 20) WITH NEW LED LUMINAIRES AS INDICATED ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 4- LAMP STANDARDS (POST TOP DOWN LIGHT - # 55 TO 60 - TYPE 'T'); REPLACE EXISTING POST MOUNT LUMINAIRES (TOTAL OF 6) WITH NEW LED LUMINAIRES AS SHOWN.
  - 5- WALL PACK AND POT LIGHT LUMINAIRES - TYPE - 'C1', 'C2', 'C3', 'C5', AND 'L'; REPLACE EXISTING EXTERIOR WALL AND CEILING MOUNT LUMINAIRES WITH NEW LED LUMINAIRES AS SHOWN ON THE SITE PLAN AND LUMINAIRE SCHEDULE.
  - 6- REMOVE ONLY THE NUMBER OF LUMINAIRES THAT WILL BE REPLACED IN THE SAME DAY.
  - 7- DISPOSE OF ALL EXISTING REMOVED AND UNUSED MATERIALS FROM THE SITE.
  - 8- ALLOW FOR ONE TIME RE-ADJUSTMENT OF ALL LIGHT OUTPUT MODULES IN THE NEW LUMINAIRES ON SITE, AFTER THE DEMONSTRATION OF NEW LUMINAIRES TO DEPARTMENTAL REPRESENTATIVE.

- DRAWING NOTES:**
- 1- EXISTING CCTV SECURITY CAMERAS ARE INSTALLED ON LIGHT POLES AT APPROXIMATELY 6.0M ABOVE FINISHED GRADE AND LUMINAIRES ARE INSTALLED ON TOP OF THE POLES (APPROX. 10.5M) AS IDENTIFIED ON THE DRAWINGS. DURING CONSTRUCTION PERIOD, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR RE-POSITIONING OF THE EXISTING POLE MOUNTED CCTV CAMERAS. IF NEEDED TO REPAIR DAMAGED CAMERAS OR TO REPOSITION CAMERAS, USE GENETEC-CERTIFIED SPECIALIST CCTV SUB-CONTRACTOR.



POWERHOUSE: V  
PANELS=  
V-3EB  
V-3EA  
V-3NA

SITE PLAN  
SCALE: 1:750



5		
4		
3		
2	ISSUED FOR ADDENDUM #1	12/01/2017
1	Issued For Tender	10/20/2017
0	Design Completion	10/13/2017
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE CANADA**

Project title/Titre du projet  
**MATSQUI COMPLEX  
33344 KING ROAD  
ABBOTSFORD, B.C.**

**INTERNAL LIGHTING  
UPGRADE TO LED**

Consultant Signature Box Only

Designed by/Concept par  
Veyseil Aydin

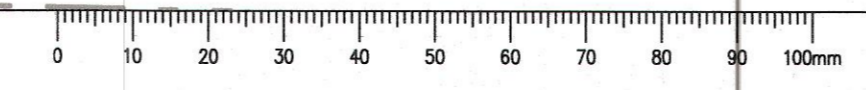
Drawn by/Dessiné par  
S. Banfield

PWSSC Project Manager/Administrateur de Projets TPSGC  
Calvin Lu

PWSSC, Regional Manager, Architectural and Engineering Services/  
Gestionnaire Régionale, Services d'architecture et de génie, TPSGC  
Président/Prat

Drawing title/Titre du dessin  
**PACIFIC INSTITUTION  
SITE PLAN**

Project No./No. du projet <b>R.090363.001</b>	Sheet/Feuille <b>E-7</b> OF 8	Revision no./ La Révision no. <b>1</b>
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PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↔	V-3EB Electrical Room V1001	1,3,5,23, 25,27,29, 31,33	400W	347V	Shoe Box/ Tenon	10.4m	Flood/HPS	38		Type 'D' (Single Head)
↙	V-3EB Electrical Room V1001	13,5,19, 21,31,35	400W	347V	Tenon	10.4m	Flood/HPS	20		Type 'I2' (Dual Head)
✘	V-3EB Electrical Room V1001	7,13,15,17	1000W	347V	Tenon	10.5m	Post Top Down Light/HPS	5		Type 'T1'
↙	V-3EB Electrical Room V1001	2,4,6,8,10	200W	347V	Tenon	10.4m	Ball Field/Induction	20		Type 'I2' (Dual Head)
↘	V-3EB Electrical Room V1001	20,22,24, 26,28,30, 32,34,36, 38,	100W	347V	Recessed	3.5m	10" Pot Light/HPS	29		Type 'E'
↘	V-3EB Electrical Room V1001	20,22,24, 26,28,30, 32,34,36, 38,	100W	347V	Surface	2.7m	Wall Pack/HPS	37		Type 'C1'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	A-2ED A2002	16,18	100W	120V	Wall Pack	2.4m	HPS	12		Type 'C3'
↘	A-2ED A2002	14	250W	120V	Wall Pack	4.3m	HPS	4		Type 'C2'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	B-2ED B2003	5,7	100W	120V	Wall Pack	2.4m	HPS	9		Type 'C3'
↘	B-2ED B2003	5,7	250W	120V	Wall Pack	4.3m	HPS	1		Type 'C2'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	C-2ED C2001A	16,18	70W	120V	Wall Pack	2.4m	HPS	12		Type 'C3'
↘	C-2ED C2001A	16,18	175W	120V	Wall Pack	4.3m	HPS	1		Type 'C2'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	D-2ED D2002	14,16	70W	120V	Wall Pack	2.4m	HPS	10		Type 'C3'
↘	D-2ED D2002	18	175W	120V	Wall Pack	4.3m	HPS	3		Type 'C2'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	2-EN E2002	14,16	70W	120V	Wall Pack	2.4m	MH	8		Type 'C5'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	F-2EA E2002	13,31,33,35, 37,39,41	250W	120V	Wall Pack	4.3m	HPS	4		Type 'C2'
↘	F-2EA E2002	13,31,33,35, 37,39,41	100W	120V	Recessed	3.5m	10" Pot Light/HPS	7		Type 'E1'

NOTES:  
 1 - CIRCUIT NUMBERS AND MOUNTING TYPES FOR LUMINAIRES ARE PROVIDED FOR INFORMATION. CONFIRM ALL INFORMATION ON SITE PRIOR TO PERFORMING ANY WORK AND ORDERING ANY MATERIAL.  
 2 - REFER TO SPECIFICATIONS / SECTION 26 50 00 FOR DETAILS OF NEW LED LUMINAIRES.

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	F-2EA E2002	13,31,33,35, 37,39,41	150W	120V	Surface Canopy Light	5.2m	Down Light/HPS	6		Type 'L'
↘	F-2EA E2002	n/a	70W	120V	Wall Pack	2.4m	HPS	4		Type 'C3'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	n/a	n/a	150W	120V	Surface Canopy Light	5.2m	HPS	5		Type 'L'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	H-2EA H2002	9,11	100W	120V	Wall Pack	2.4m	HPS	5		Type 'C3'
↘	H-2EA H2002	9,11	150W	120V	Surface Canopy Light	5.2m	HPS	8		Type 'L'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	N-2NA N1020A	19	100W	120V	Wall Pack	2.4m	HPS	4		Type 'C3'
↘	N-2NA N1020A	19	150W	120V	Surface Canopy Light	5.2m	Down Light/HPS	2		Type 'L'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	P-2NA P0001A	13	100W	120V	Wall Pack	2.4m	HPS	4		Type 'C3'
↘	P-2NA P0001A	13	150W	120V	Surface Canopy Light	5.2m	Down Light/HPS	2		Type 'L'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	Q-2EA Q2002	7	100W	120V	Surface	2.4m	Wall Pack/HPS	7		Type 'C3'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	n/a	n/a	100W	120V	Surface	2.4m	Wall Pack/HPS	3		Type 'C3'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	S-2NA N/A	21	100W	120V	Surface	2.4m	Wall Pack/HPS	4		Type 'C3'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	U-2ED U2004	56	100W	120V	Surface	2.4m	Wall Pack/HPS	6		Type 'C3'
↘	U-2ED U2004	56	250W	120V	Surface	4.3m	Wall Pack/HPS	3		Type 'C2'

PACIFIC INSTITUTION - LUMINAIRE SCHEDULE										
Symbol	Existing Panel/Location	Existing Circuit No.	Existing Wattage	Existing Voltage	Mounted	Height	Existing Luminaire/ Lamp	Quantity of Existing /New Luminaires	Picture of Existing luminaire	Existing/New Luminaire Type (Note 2)
↘	EA W107	18	100W	120V	Surface	2.4m	Wall Pack/HPS	1		Type 'C3'
↘	EA W107	18	70W	120V	Surface	2.7m	Wall Pack/MH	1		Type 'C5'

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

**REAL PROPERTY SERVICES**  
Pacific Region  
SERVICES IMMOBILIERS

PROFESSIONAL ENGINEER  
V. AYDIN  
# 35021  
Dec. 4, 2017

Revision/Revision	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR ADDENDUM #1	12/01/2017
1	Issued For Tender	10/20/2017
0	Design Completion	10/13/2017

Client/client: **CORRECTIONAL SERVICE CANADA**

Project title/Titre du projet: **MATSQUI COMPLEX 33344 KING ROAD ABBOTSFORD, B.C.**

**INTERNAL LIGHTING UPGRADE TO LED**

Consultant Signature Box Only

Designed by/Concept par: Veyssel Aydin  
 Drawn by/Dessiné par: S. Banfield  
 PWSC Project Manager/Administrateur de Projets: Calvin Lu  
 PWSC Regional Manager, Architectural and Engineering Services/ Gestionnaire régional, Services d'architecture et de génie: Præptipal Paul

Drawing title/Titre du dessin: **PACIFIC INSTITUTION LUMINAIRE SCHEDULE**

Project No./No. du projet: <b>R.090363.001</b>	Sheet/ <b>E-8</b>	Revision no./ <b>1</b>
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OF 8

04/52/2017

