



LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER	CATALOGUE NUMBER	LAMPS	WATTS	LUMINAIRE STYLE	VOLTAGE	COMMENTS
A	AMERICAN ELECTRIC LIGHTING	ATB0-20BLED10-347-R2-CR-SH	LED 4000K	72W	ROADWAY COBRA HEAD	347V	C/W BIRD SPIKES
	COOPER STREETWORKS	NWN-AE-02-E-9-T2R-700-AP		72W			
	CREE	STR-LWY-2S-HT-04-E-UH-SV-700-40K		91W			
B	HOLOPHANE	MGLED-9-4K-AH-F-L-H-G-PSC	LED 4000K	367W	CANAL FLOOD LIGHT 15' TILT	347V	C/W BIRD SPIKES
	COOPER MCGRAW-EDISON	GLEON-AE-07-LED-347-T4FT-AP-ADJA		370W			
	CREE	ARE-EHO-4MB-HV-12-E-UH-SV-1000-40K		421W			
C	AMERICAN ELECTRIC LIGHTING	ATB2-80BLED10-347-R4-CR-SH	LED 4000K	274W	CANAL COBRA HEAD	347V	C/W BIRD SPIKES
	COOPER MCGRAW EDISON	GLEON-AE-05-LED-347-T4W-AP		264W			
	CREE	OSO-A-NM-4ME-U-40K-UH-SV		215W			
F	HOLOPHANE	TNLED-3-4K-7-AH-CLN-DGRA-L-TW	LED 4000K	81W	ROADWAY CANOPY MOUNTED	347V	
	COOPER STREETWORKS	VAL-F03-LED-E-9-GL2-AP-RTMB		78W			
	CREE	TSP-EDG-2S-CM-04-E-UH-SV-700-40K		93W			
G	LITHONIA	DSXF2 LED-3-A530/40K-MSP-347-THK-DNAXD	LED 4000K	54W	FLAG FLOOD LIGHT	347V	
	COOPER INVUE	VFS-K-B40-LED-347-MST-AP		48W			
	KIM LIGHTING	CFL6-27L4KUV		32.4W			
H	LITHONIA	DSXF2 LED-4-A530/40K-WFL-347-THK-DBBXD	LED 4000K	104W	SIGN FLOOD LIGHT 45' TILT	347V	
	LUMARK	NFFLD-A25-E-347-66-S-CB		129W			
	PHILIPS STONCO	LPF3-C-4K-FL-S-6-DGY		85W			
J	AMERICAN ELECTRIC LIGHTING	247L-20LEDE10-347-4K-R5-PY-SH	LED 4000K	72W	ROADWAY DECORATIVE POST TOP	347V	C/W LADDER REST
	PHILIPS HADCO	VX151-80-A-F-5-N-N-B-3-N-A-L		86.5W			
	STERNBERG LIGHTING	S640-XRLD		58W			
NOTES: 1. ALL LUMINAIRES, BALLASTS, LAMPS, ETC. TO BE CSA APPROVED. 2. ALL BALLASTS AND DRIVER CUTSHEETS MUST BE INCLUDED WITH EACH LUMINAIRE SHOP DRAWING. 3. PROVIDE ALL REQUIRED MOUNTING KITS/HARDWARE FOR ALL CEILING/WALL TYPES. 4. ELECTRICAL CONTRACTOR TO SUBMIT ENTIRE INSTALLATION TO MANITOBA HYDRO POWER SMART ON BEHALF OF PWGSC. ENTIRE REBATE TO BE MADE PAYABLE TO PWGSC.							

POLE SCHEDULE					
TYPE	POLE DESCRIPTION	ARM DESCRIPTION	OPTIONS	ACCEPTABLE MANUFACTURERS	COMMENTS
PT1	9146mm (30ft) ROUND TAPERED HEAVY DUTY ALUMINUM POLE. BUTT DIAMETER: 203.2mm (8in) TOP DIAMETER: 114.3mm (4.5in) WALL THICKNESS 4.78mm (0.188in) POLE WEIGHT RATING: MINIMUM 100KG	TENONS: THREE 508mm (20in) AT 120° UPRIGHTS: 381mm (15in)	VIBRATION DAMPENER NATURAL ALUMINUM FINISH TENON MOUNTING BRACKET	HAPCO VALMONT POLECOM	NEW POLES TO BE MOUNTED ON EXISTING CONCRETE BASES. POLES TO MATCH EXISTING BOLT PATTERN OF BASE. CONFIRM FINAL MEASUREMENTS ON SITE.
PT2	9146mm (30ft) ROUND TAPERED HEAVY DUTY ALUMINUM POLE. BUTT DIAMETER: 203.2mm (8in) TOP DIAMETER: 114.3mm (4.5in) WALL THICKNESS 4.78mm (0.188in) POLE WEIGHT RATING: MINIMUM 100KG	TENONS: TWO 864mm (34in) IN-LINE UPRIGHTS: 381mm (15in)	VIBRATION DAMPENER NATURAL ALUMINUM FINISH TENON MOUNTING BRACKET	HAPCO VALMONT POLECOM	NEW POLES TO BE MOUNTED ON EXISTING CONCRETE BASES. POLES TO MATCH EXISTING BOLT PATTERN OF BASE. CONFIRM FINAL MEASUREMENTS ON SITE.
PT3	9146mm (30ft) ROUND TAPERED HEAVY DUTY ALUMINUM POLE. BUTT DIAMETER: 203.2mm (8in) TOP DIAMETER: 114.3mm (4.5in) WALL THICKNESS 4.78mm (0.188in)	SINGLE TAPERED ELLIPTICAL GALVANIZED STEEL ARM ARM LENGTH: 1800mm (6ft)	SHOCK ABSORBER VIBRATION DAMPENER NATURAL ALUMINUM FINISH	HAPCO VALMONT POLECOM	NEW POLES TO BE MOUNTED ON EXISTING METAL BASES. POLES TO MATCH EXISTING BOLT PATTERN OF BASE. CONFIRM FINAL MEASUREMENTS ON SITE.
PT4	9146mm (30ft) ROUND TAPERED HEAVY DUTY ALUMINUM POLE. BUTT DIAMETER: 203.2mm (8in) TOP DIAMETER: 114.3mm (4.5in) WALL THICKNESS 4.78mm (0.188in)	DOUBLE TAPERED ELLIPTICAL GALVANIZED STEEL ARM AT 180° ARM LENGTH: 1800mm (6ft)	SHOCK ABSORBER VIBRATION DAMPENER NATURAL ALUMINUM FINISH	HAPCO VALMONT POLECOM	NEW POLES TO BE MOUNTED ON EXISTING METAL BASES. POLES TO MATCH EXISTING BOLT PATTERN OF BASE. CONFIRM FINAL MEASUREMENTS ON SITE.
NOTES: 1. CONTRACTOR TO TEMPLATE ALL POLES BASES PRIOR TO ORDERING NEW POLES					

Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS

Région de l'ouest

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Certificate of Authorization

HDK Consulting Incorporated

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2	ISSUED FOR CONSTRUCTION	July 22,16
1	ISSUED FOR 99% CONSTRUCTION DOCUMENTS	June 9,16
0	ISSUED FOR 50% CONSTRUCTION DOCUMENTS	May 26,16
Revision/Revision	Description/Description	Date/Date
Client/client		
ST. ANDREWS LOCK AND DAM		
ST. ANDREWS, MANITOBA		
Project title/Titre du projet		
ST. ANDREWS LOCK AND DAM		
ST. ANDREWS, MANITOBA		
LIGHTING AND ELECTRICAL UPGRADES		
Approved by/Approuvé par		
HCC		
Designed by/Concept par		
PL		
Drawn by/Dessiné par		
RD		
PWGSC Project Manager/Administrateur de Projets TPSGC		
KEVIN GALLAYS		
PWGSC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, TPSGC		
Client/client		
Drawing title/Titre du dessin		
EAST WALL (DECK SHED)		
EXISTING AND MODIFIED		
DISTRIBUTION DIAGRAM AND		
LUMINAIRE SCHEDULE		
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.076331	E15	2
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