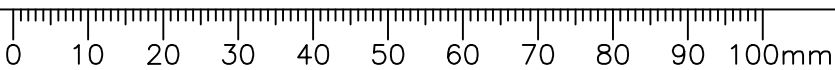


2018/Aug/10, 10:22am Tareg Shrufi Layout1 P:\60656106\000-CAD_GIS\910-CAD\20-SHEETS\01\ER_093894_001-E-8007.dwg

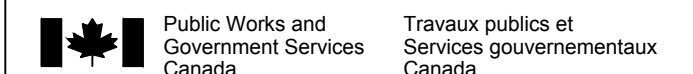
- NOTES:
1. EXISTING WIRING MAY BE RE-USED PROVIDING INSULATION TEST RESULTS ARE SATISFACTORY AND LENGTH IS SUFFICIENT FOR INSTALLATION IN NEW CONDUIT WITHOUT SPLICES.
 2. CONTRACTOR TO CONFIRM EXISTING CONDUIT SIZE AND FILL % WITH ENGINEER BEFORE INSTALLATION OF NEW CONDUIT.

PWGSC



PANELBOARD CABLE SCHEDULE												
SOURCE	SOURCE DESCRIPTION	CABLE TAG	DESTINATION	DESTINATION DESCRIPTION	PANELBOARD - JUNCTION BOX			JUNCTION BOX - LIGHT FIXTURE				
					APPROX. LENGTH (m)	CABLE	CONDUIT	APPROX. LENGTH (m)	CABLE	CONDUIT		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A11]	A11	CANOPY A11 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND	EXISTING 53 mm CONDUIT GNL1A - GHA-1	30	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A1		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A12]	A12	CANOPY A12 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		30	EXISTING			
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A21]	A21	CANOPY A21 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		26	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A2		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A22]	A22	CANOPY A22 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		26	EXISTING			
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A31]	A31	CANOPY A31 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND	NEW 78 mm CONDUIT GNL1A - GHA-2	30	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A3		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A32]	A32	CANOPY A32 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		30	EXISTING			
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A41]	A41	CANOPY A41 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		35	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A4		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A42]	A42	CANOPY A42 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		35	EXISTING			
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A51]	A51	CANOPY A51 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		18	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A5-1		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A52]	A52	CANOPY A52 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		18	EXISTING			
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A53]	A53	CANOPY A53 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		15	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	NEW 21 mm CONDUIT CONDUIT A5-2		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A54]	A54	CANOPY A54 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		18	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A5-3		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A55]	A55	CANOPY A55 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		18	EXISTING			
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A61]	A61	CANOPY A61 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		22	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A6-1		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A62]	A62	CANOPY A62 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		22	EXISTING			
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A63]	A63	CANOPY A63 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		24	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	NEW 21 mm CONDUIT CONDUIT A6-2		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A64]	A64	CANOPY A64 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		26	EXISTING	EXISTING 21 mm CONDUIT CONDUIT A6-3		
GNL1A	GREENHOUSE A PANELBOARD	[GNL1A] - [A65]	A65	CANOPY A65 LIGHTING	37	NON-ARMORED POWER CABLE (RW90) 600V, 4C #8 AWG + #10 AWG GND		26	EXISTING			


PANELBOARD CABLE SCHEDULE												
SOURCE	SOURCE DESCRIPTION	CABLE TAG	DESTINATION	DESTINATION DESCRIPTION		CABLE PANELBOARD - JUNCTION BOX				CABLE JUNCTION BOX - LIGHT FIXTURE		
						APPROX. LENGTH (m)	CABLE	CONDUIT		APPROX. LENGTH (m)	CABLE	CONDUIT
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B21]	B21	CANOPY B21 LIGHTING		18	EXISTING	EXISTING 53 mm CONDUIT CONDUIT GNL1B - GH8	26	EXISTING	EXISTING 21 mm CONDUIT CONDUIT B2	
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B22]	B22	CANOPY B22 LIGHTING		18	EXISTING		26	EXISTING		
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B51]	B51	CANOPY B51 LIGHTING		18	EXISTING		18	EXISTING	EXISTING 21 mm CONDUIT CONDUIT B5	
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B52]	B52	CANOPY B52 LIGHTING		18	EXISTING		18	EXISTING		
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B61]	B61	CANOPY B61 LIGHTING		18	EXISTING		22	EXISTING	EXISTING 21mm CONDUIT CONDUIT B6-1	
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B62]	B62	CANOPY B62 LIGHTING		18	EXISTING		22	EXISTING		
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B63]	B63	CANOPY B63 LIGHTING		18	EXISTING		24	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	NEW 21 mm CONDUIT CONDUIT B6-2	
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B64]	B64	CANOPY B64 LIGHTING		18	EXISTING		26	EXISTING	EXISTING 21 mm CONDUIT CONDUIT B6-3	
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [B65]	B65	CANOPY B65 LIGHTING		18	EXISTING		26	EXISTING		
GNL1B	GREENHOUSE B PANELBOARD	[GNL1B] - [CN-B]	CN-B	GREENHOUSE B CONTROL PANEL		18	NON-ARMORED POWER CABLE (RW90) 600V, 2C #12 AWG + #14 AWG GND			18	NON-ARMORED POWER CABLE (RW90) 600V, 2C #12 AWG + #14 AWG GND	NEW 21 mm CONDUIT CONDUIT CN-B




Public Works and
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Travaux publics et
Services gouvernementaux
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REAL PROPERTY SERVICES
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SERVICES IMMOBILIERS
Région de l'ouest





ASSOCIATION OF PROFESSIONAL ENGINEERS
& GEOSCIENTISTS OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
AECOM Canada Ltd.
NUMBER C1667
PERMISSION TO CONSULT HELD BY:
DISCIPLINE SASK. REG. No. SIGNATURE
ELECTRICAL 23238 [Signature]

0	Issued For Construction	2018-08-10	
Revision	Description	Date	
Client	<div>Agriculture and Agri-Food Canada (AAFC)</div>		
Project title			
AAFC Saskatoon Research and Development Centre (SRDC) Greenhouse LED Retrofit 107 Science Place, Saskatoon, Saskatchewan, S7N 0X2			
Designed by Christopher Turner			
Drawn by Tareg Shrufi			
Approved by Brent Wolfater			
PWGSC Project Manager Eric Haaland			
Drawing title			
SRDC Greenhouse LED Retrofit Electrical GNL1A & GNL1B Cable Schedule			
Project no.	Drawing no.	Revision no.	
R.093894.001	E-8007	0	