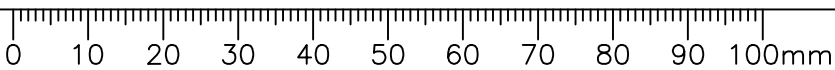


2018/Aug/10, 10:22am Tareg Shrufi Layout1 P:\60565106\000-CAD\_GIS\910-CAD\20-SHEETS\01\ER\_093894\_001-E-8009.dwg

- 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. RE-USE OF EXISTING WIRING IS ALSO SUBJECT TO MEETING COLOR CODING REQUIREMENTS ONCE CIRCUITS ARE RE-CONFIGURED FROM EXISTING 1P CIRCUITS INTO 3P CIRCUITS.
  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
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E11]	E11	CANOPY E11 LIGHTING	30	EXISTING	EXISTING CONDUIT GNL1E - GHE	16	EXISTING	EXISTING CONDUIT CONDUIT E1
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E12]	E12	CANOPY E12 LIGHTING	30	EXISTING		16	EXISTING	
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E21]	E21	CANOPY E21 LIGHTING	30	EXISTING		16	EXISTING	EXISTING CONDUIT CONDUIT E2
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E22]	E22	CANOPY E22 LIGHTING	30	EXISTING		16	EXISTING	
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E31]	E31	CANOPY E31 LIGHTING	30	EXISTING		20	EXISTING	EXISTING CONDUIT CONDUIT E3
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E32]	E32	CANOPY E32 LIGHTING	30	EXISTING		20	EXISTING	
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E41]	E41	CANOPY E41 LIGHTING	30	EXISTING		24	EXISTING	EXISTING CONDUIT CONDUIT E4
GNL1E	GREENHOUSE E PANELBOARD	[GNL1E] - [E42]	E42	CANOPY E42 LIGHTING	30	EXISTING		24	EXISTING	
GNL1D	GREENHOUSE D PANELBOARD	[GNL1B] - [CN-D]	CN-E	GREENHOUSE E CONTROL PANEL	50	NON-ARMORED POWER CABLE (RW90) 600V, 2C #12 AWG + #14 AWG GND		24	NON-ARMORED POWER CABLE (RW90) 600V, 2C #12 AWG + #14 AWG GND	NEW 21 mm CONDUIT CONDUIT CN-E

PANELBOARD CABLE SCHEDULE										
SOURCE	SOURCE DESCRIPTION	CABLE TAG	DESTINATION	DESTINATION DESCRIPTION	PANELBOARD - JUNCTION BOX			JUNCTION BOX - LIGHT FIXTURE		
					APPROX. LENGTH (m)	CABLE TYPE	CONDUIT	APPROX. LENGTH (m)	CABLE	CONDUIT
GNL2B	GREENHOUSE B PANELBOARD	[GNL2B] - [B11]	B11	CANOPY B11 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	EXISTING 53 mm CONDUIT CONDUIT GNL2B - GHB	30	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	EXISTING 21 mm CONDUIT CONDUIT B1
GNL2B	GREENHOUSE B PANELBOARD	[GNL2B] - [B12]	B12	CANOPY B12 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1		30	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	
GNL2B	GREENHOUSE B PANELBOARD	[GNL2B] - [B41]	B41	CANOPY B41 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1		18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	EXISTING 21 mm CONDUIT CONDUIT B4
GNL2B	GREENHOUSE B PANELBOARD	[GNL2B] - [B42]	B42	CANOPY B42 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1		18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	
GNL1B	GREENHOUSE B PANELBOARD	[GNL2B] - [B31]	B31	CANOPY B31 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		34	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	EXISTING 21mm CONDUIT CONDUIT B3-1
GNL1B	GREENHOUSE B PANELBOARD	[GNL2B] - [B32]	B32	CANOPY B32 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		34	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	
GNL1B	GREENHOUSE B PANELBOARD	[GNL2B] - [B33]	B33	CANOPY B33 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND. NOTE 1		36	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	NEW 21 mm CONDUIT CONDUIT B3-2
GNL1B	GREENHOUSE B PANELBOARD	[GNL2B] - [B34]	B34	CANOPY B34 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND. NOTE 1		38	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	
GNL1B	GREENHOUSE B PANELBOARD	[GNL2B] - [B35]	B35	CANOPY B35 LIGHTING	18	NON-ARMORED POWER CABLE (RW90) 600V, 4C #10 AWG + #12 AWG GND		38	NON-ARMORED POWER CABLE (RW90) 600V, 4C #12 AWG + #12 AWG GND. NOTE 1	EXISTING 21 mm CONDUIT CONDUIT B3-3



0	Issued For Construction	2018-08-10	
Revision	Description	Date	
Client	<b>Agriculture and Agri-Food Canada (AAFC)</b>		
Project title			
<b>AAFC Saskatoon Research and Development Centre (SRDC) Greenhouse LED Retrofit 107 Science Place, Saskatoon, Saskatchewan, S7N 0X2</b>			
Designed by <b>Christopher Turner</b>			
Drawn by <b>Tareg Shrufi</b>			
Approved by <b>Brent Wolfater</b>			
PWGSC Project Manager <b>Eric Haaland</b>			
Drawing title			
<b>SRDC Greenhouse LED Retrofit Electrical GNL1E &amp; GNL2B Cable Schedule</b>			
Project no.	Drawing no.	Revision no.	
<b>R.093894.001</b>	<b>E-8009</b>	<b>0</b>	