

LIGHTING CONTROL SCHEDULE																
ROOM CONTROLLER NUMBER	ROOM NAME & NUMBER	LUMINAIRE		OCCUPANCY SENSOR CEILING		LOCAL WALL CONTROL				PHOTOCELL	0-10V DIMMING	RELAY NUMBER	CCT NUMBER	ZONE OPERATION	EMERGENCY	
		TYPE	QTY.	PIR	DUAL TECH	ON/ OFF	OS	DIM	SCENE CONTROLLER							
RC-1	OFFICE 112	A2	2			X	X					1	L2-17	①		
	QUIET ROOM 113	A1	1			X	X					2	L2-17	①		
RC-2	WORK STATIONS 111 SHARED EQUIPMENT	A2	5	X						X	X	1	L2-17	②		
		A2	3								X	2	L2-17	②		
		A2	5								X	3	L2-17	②		
		A2	2	X							4	L2-17	③			
	WORK STATIONS 111	A2	2	X						X	X	5 (EM)	E100-3	② ④	X	
		A2	1									6 (EM)	E100-3	③ ④	X	
RC-3	KITCHENETTE 108B	L	1	X						X	X	1	L2-17	②		
		L	1								X	2	L2-17	②		
	KITCHENETTE 108B	L	1							X	6	E100-3	② ④	X		
	OPEN AREA 108A	L	3	X								3	L2-17	③		
		F	1									L2-17				
	OPEN AREA 108A	L	2	X								5 (EM)	E100-3	③ ④	X	
RC-4	MEETING ROOM 109	H1	6	X		X		X		X	X	1	L2-17	⑤		
		B3	1			X		X			X	2	L2-17	⑤		
	MPR 110	H2	8	X		X		X			X	3	L2-17	⑤		
		K	1			X		X			X	4	L2-17	⑤		
RC-5	WEBEX 114	A2	2	X		X		X				1	L2-17	⑤		
		H1	6			X		X			2	L2-17	⑤			
	CORRIDOR	H3	2	X								3	L2-17	③		
		H3	1									5 (EM)	E-1003	③ ④	X	
RC-6	RECEPTION 101	H3	4	X								1	L2-16	③		
		F	1										L2-16	③		
	CORRIDOR 102	H3	3	X								2	L2-16	③		
		F	3										L2-16	③		
	CLASSROOM ST. 103	G1	2			X		X				3	L2-16	①		
	TELECOM 104	G1	1			X		X				4	L2-16	①		
	RECEPTION 101	C	2	X								5 (EM)	E100-3	③ ④	X	
	CORRIDOR 102	H3	2	X								6 (EM)	E100-3	③ ④	X	
RC-7	CLASSROOM STORAGE 105	G1	2			X		X				1	L2-16	①		
	UNDESIGNATED 106	A2	2			X		X		X	X	2	L2-16	⑥		
RC-8	CLASSROOM 107C	A1	3	X						X	X	1	L2-16	⑦		
		A1	1								X	2	L2-16	⑧		
		A1	3	X								X	3	L2-16	⑦	
		A1	1								X	4	L2-16	⑧		
		A1	2	X							X	5 (EM)	E100-3	⑧ ④	X	
		A1	2	X							X	6 (EM)	E100-3	⑧ ④	X	
RC-9	CLASSROOM 107B	A1	3	X						X	X	1	L2-16	⑧		
		A1	1								X	2	L2-16	⑧		
		A1	3	X								X	3	L2-16	⑧	
		A1	1								X	4	L2-16	⑧		
		A1	2	X							X	5 (EM)	E100-3	⑧ ④	X	
		A1	2	X							X	6 (EM)	E100-3	⑧ ④	X	
RC-10	CLASSROOM 107A	A1	3	X						X	X	1	L2-16	⑧		
		A1	1								X	2	L2-16	⑧		
		A1	3	X								X	3	L2-16	⑧	
		A1	1								X	4	L2-16	⑧		
		A1	2	X							X	5 (EM)	E100-3	⑧ ④	X	
		A1	2	X							X	6 (EM)	E100-3	⑧ ④	X	

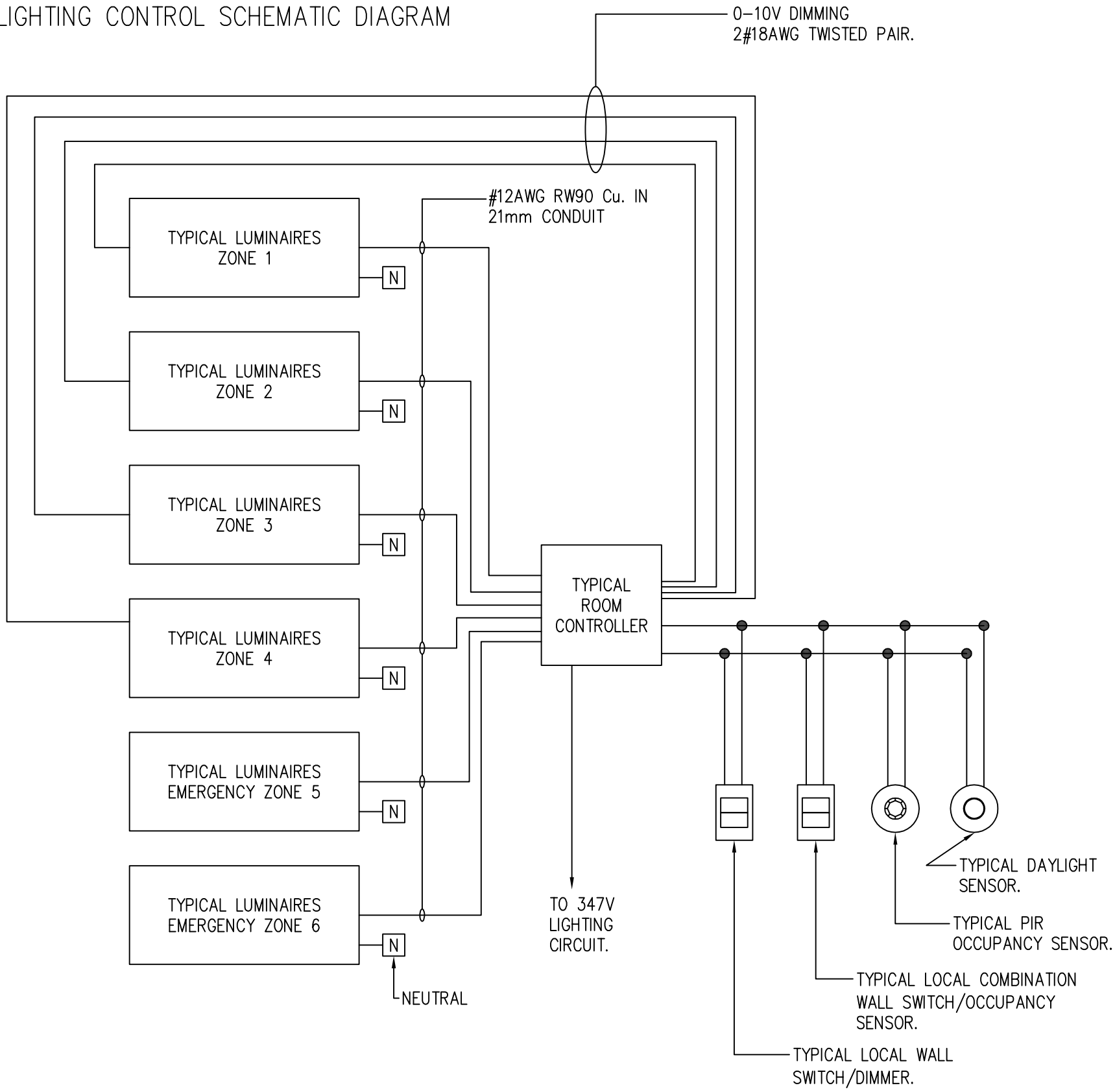
ZONE OPERATION:

- ① MANUAL ON/AUTO OFF CONTROL WITH 15 MINUTE TIME OUT VIA LOCAL WALL BOX COMBINATION OCCUPANCY SENSOR, MANUAL SWITCH CONTROL.
- ② AUTO ON/AUTO OFF CONTROL WITH 15 MINUTE TIME VIA CEILING MOUNTED OCCUPANCY SENSOR C/W ROW DIMMING VIA PHOTOCELL.
- ③ AUTO ON/AUTO OFF CONTROL WITH 15 MINUTE TIME VIA CEILING MOUNTED OCCUPANCY SENSOR.
- ④ EMERGENCY FULL ON UPON LOSS OF POWER, RELAY TO OVERRIDE PREVIOUS STATE REGARDLESS OF CONTROL.
- ⑤ MANUAL ON/MANUAL OFF DIMMING VIA LOCAL COMBINATION WALL SWITCH DIMMER. VACANCY SENSING VIA CEILING MOUNT OCCUPANCY SENSOR.
- ⑥ MANUAL ON/AUTO OFF CONTROL WITH 15 MINUTE TIMEOUT VIA LOCAL COMBINATION MANUAL SWITCH/OCCUPANCY SENSOR. DIMMING VIA CEILING MOUNT PHOTOCELL.
- ⑦ AUTO ON/AUTO OFF/DIMMING VIA LOCAL MULTI-ZONE WALL BOX CONTROLLER. AUTO DIMMING VIA CEILING MOUNT PHOTOCELL.
- ⑧ AUTO ON/AUTO OFF/DIMMING VIA MULTI ZONE WALL BOX CONTROLLER.

NOTES:

- 1 CONFIRM ALL ZONE OPERATION WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMISSIONING OF SYSTEM.

LIGHTING CONTROL SCHEMATIC DIAGRAM



NOTE:

LIGHTING CONTROL DIAGRAM IS FOR GRAPHICAL REPRESENTATION ONLY. PROVIDE ALL DEVICES, WIRING AND CONNECTIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL LIGHTING CONTROL SYSTEM. COORDINATE ALL WORK WITH LIGHTING CONTROL SYSTEM SUPPLIER. CONFIRM ALL QUANTITIES, LENGTHS, ETC. ON LIGHTING PLANS AND ON SITE.

SYSTEM DESCRIPTION

1. ELECTRICAL CONTRACTOR TO SUPPLY, INSTALL, WIRE AND CONNECT STANDALONE ROOM CONTROLLER TYPE LIGHTING CONTROL SYSTEMS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE ENTIRE INSTALLATION WITH ALL OTHER TRADES.
2. SYSTEM TO CONSISTS OF MULTIPLE LOCALIZED ROOM CONTROLLER C/W INTEGRAL RELAYS AND DIMMING CHANNELS.

PARTS DESCRIPTIONS

ROOM CONTROLLER: LOCALIZED LIGHTING CONTROL UNIT C/W FOUR (4) LIGHTING RELAYS AND FOUR (4) 0-10V DIMMING CHANNELS. EXPANSION PACK TO BE AVAILABLE FOR TWO (2) ADDITIONAL 'EMERGENCY' RELAYS CAPABLE OF SWITCHING EMERGENCY LIGHTING.

ON/OFF SWITCHES: THE ON/OFF SWITCHES COME IN 1 TO 8 BUTTON MODULES AND BE C/W LED INDICATORS TO SHOW STATUS OF THE CONTROLLED ZONES. SWITCHES TO CONNECT DIRECTLY TO THE 2-CONDUCTOR LOW VOLTAGE NON-POLARIZED BUS.

DIMMER SWITCHES: THE DIMMER SWITCHES TO HAVE UP/DOWN BUTTONS TO CONTROL OUTPUTS AND BE C/W LED ALONG EDGE TO INDICATE THE OPERATING LEVEL OF THE CONTROLLED ZONE.

OCCUPANCY SENSOR: OCCUPANCY SENSORS TO BE CEILING MOUNTED PASSIVE INFRARED (PIR) TYPE. SENSOR TO CONNECT DIRECTLY TO THE 2-CONDUCTOR LOW VOLTAGE NON-POLARIZED BUS.

DAYLIGHT SENSOR: DAYLIGHT SENSOR TO BE CEILING MOUNTED INDOOR TYPE. SENSOR TO CONNECT DIRECTLY TO THE 2-CONDUCTOR LOW VOLTAGE NON-POLARIZED BUS. SENSOR TO BE CAPABLE OF MEASURING LIGHT LEVELS FROM 0 TO 65,000 LUX.

DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
3	ISSUED FOR CONSTRUCTION	15/11/20
2	100% CD SUBMISSION	15/10/29
1	99% CD SUBMISSION	15/09/28
0	50% CD SUBMISSION	15/08/14

Client/client

CANADA SCHOOL OF
PUBLIC SERVICE (CSPS)

Winnipeg
MANITOBA

Project title/Titre du projet
STANLEY KNOWLES BUILDING
2ND FLOOR - 391 YORK AVENUE
WINNIPEG, MANITOBA

CSPS WINNIPEG FIT-UP

Approved by/Approuvé par
HUGO CEA CANAS

Designed by/Conçu par
PAUL LAPOINTE

Drawn by/Dessiné par
RHODA DE CASTRO
PWGSC Project Manager/Administrateur de Projets TPSPC
JOHN ALBIN

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSPC

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin

LIGHTING CONTROL SCHEDULE