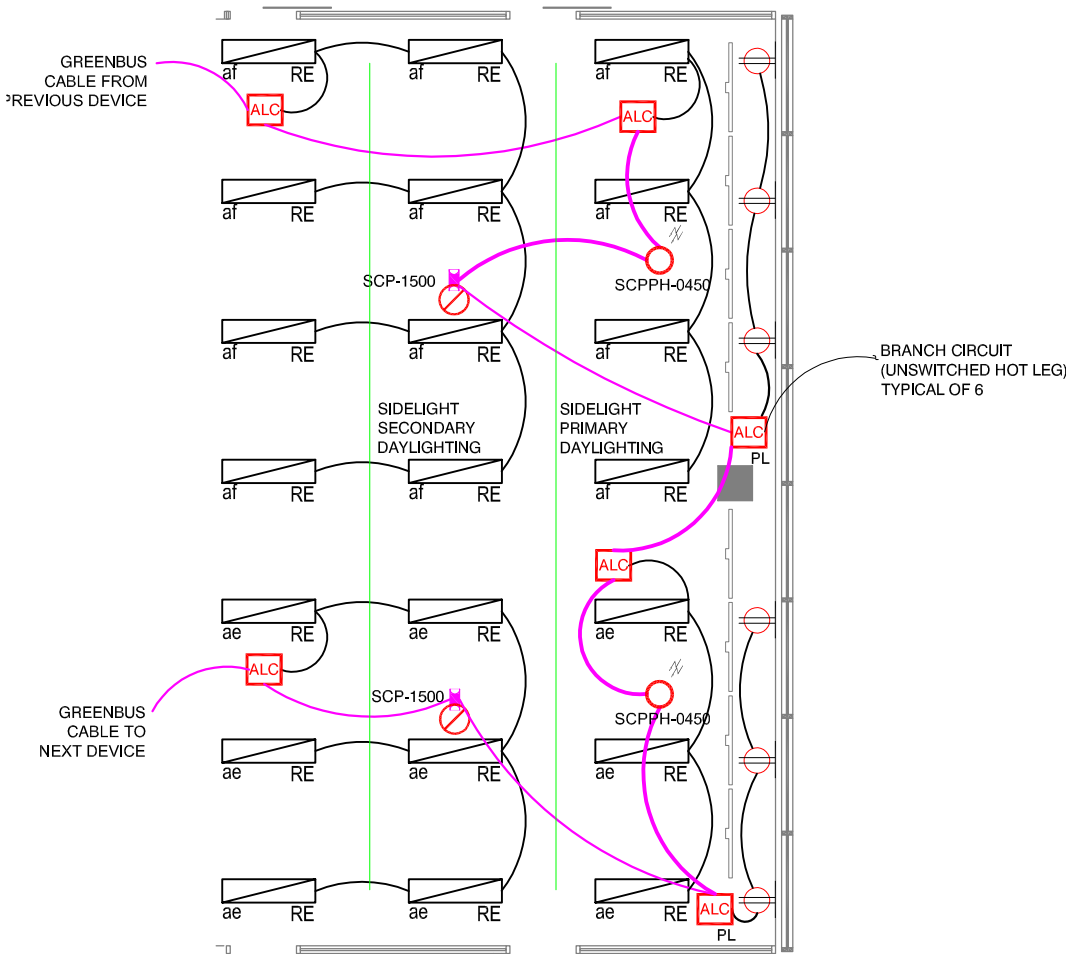


OPEN OFFICE ASHRAE 90.1-2010 ZONAL CONTROL WIRED SYSTEM



SEQUENCE OF OPERATION

- 1.) GENERAL LIGHTING AUTO ON TO 50% AND CONTROLLED RECEPTACLES WHEN OCCUPANCY DETECTED.
- 2.) MANUAL FOR ON/OFF AND FULL RANGE DIMMING CONTROL OF GENERAL LIGHTING ZONE WITH WALL SWITCH. OPTIONAL THREE/SIX ZONE WALL STATION CONTROLLER (ZC3 OR ZC6).
- 3.) AUTOMATIC DAYLIGHT RESPONSIVE CONTROL FOR SIDE LIGHTING.
- 4.) AUTO OFF ALL LIGHTING WITHIN 30 MINUTES OF OCCUPANTS LEAVING.

DESIGN CONSIDERATIONS

- 1.) ENCELIUM BACKBONE IS NEEDED SYSTEM SUPPORT UNIT (SSU) ALONG WITH A NETWORK SWITCH. (REF DATA SHEET. LMS054)
- 2.) WIRED MANAGER (M) IS NEEDED WHICH CAN ACCOMMODATE UP TO 800 INDEPENDENT DEVICES. (REF DATA SHEET. LMS093)
- 3.) IF EMERGENCY UL924 RATED DEVICE IS REQUIRED, WIRED MANAGER (M) IS RATED FOR CENTRAL SENSE.
IF LOCAL SENSE IS REQUIRED A THIRD-PARTY DEVICE WILL BE NEEDED. (REF DATA SHEET. 1ESRN)
- 4.) PER CODE PLUG-LOAD CONTROLS ARE REQUIRED FOR NEW CONSTRUCTION.

TYPICAL DESIGN WITH CONTROL INTENT ILLUSTRATION ONLY. ELECTRICAL CONTRACTOR RESPONSIBLE FOR APPLICATION SPECIFIC WIRING.

LEGEND - ENCELIUM SYSTEM GREENBUS COMPONENTS

QTY	SYMBOL	DESCRIPTION
2	 SCP-1500	OCCUPANCY SENSOR, PIR, 360DEG, 1500 SQ.FT. COVERAGE, LOW VOLTAGE CEILING MOUNT. W/ENCELIUM SENSOR INTERFACE MODULE (SIM)
2	 SCPPH-0450	GREENBUS PHOTOCELL SENSOR 360 DEG, LOW VOLTAGE, CEILING MOUNT, BUILT-IN OCCUPANCY SENSOR, PIR, 450 SQ.FT COVERAGE(OPTIONAL), NO SIM REQUIRED. (/) - PHOTOCELL ACTIVE
4	 ALC	AREA LIGHTING CONTROLLER - HEAVY DUTY RELAY W/0-10V DIMMING (ALC)
2	 ALC _{PL}	AREA LIGHTING CONTROLLER - HEAVY DUTY RELAY FOR PLUG LOAD (ALC)
4	 SIM	SENSOR INTERFACE MODULE (SIM)
	 Greenbus Cable	GREENBUS CABLE. PRE-TERMINATED (18AWG X 2) MAXIMUM LENGTH OF TETHERED CABLE IS 100FT