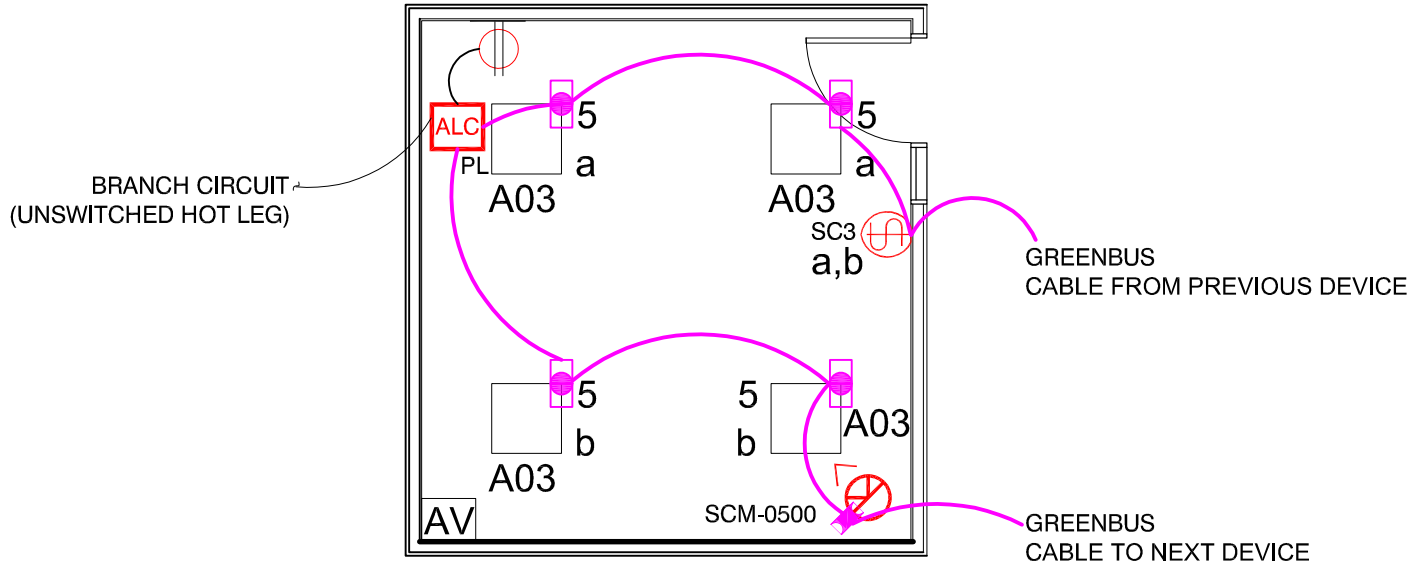


**SMALL CONFERENCE ROOM
ASHRAE 90.1-2010
INDIVIDUAL LUMINAIRE CONTROL
WIRED SYSTEM**



SEQUENCE OF OPERATION

- 1.) AUTO ON TO 50% OR CONTROLLED MANUALLY WHEN OCCUPANCY DETECTED. TURN OFF AFTER VACANCY OF 30MINS.
- 2.) MANUAL ON/OFF AND FULL RANGE DIMMING CONTROL OF GENERAL LIGHTING WITH WALL SWITCH. OPTIONAL 3 SCENE CONTROL.
- 3.) AUTO OFF ALL LIGHTING AND CONTROLLED RECEPTACLES 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.) DAYLIGHT HARVESTING IS NOT REQUIRED IF SPACE WITHOUT SIDE LIT AREAS <250FT².

TYPICAL DESIGN WITH CONTROL INTENT

ILLUSTRATION ONLY, ELECTRICAL CONTRACTOR RESPONSIBLE FOR APPLICATION SPECIFIC WIRING.

LEGEND - ENCELIUM SYSTEM GREENBUS COMPONENTS

QTY	SYMBOL	DESCRIPTION
1	 SCM-0500	OCCUPANCY/VACANCY SENSOR PIR/ULTRASONIC MULTI-TECH, 180 DEG, 500 SQ. FT. COVERAGE, LOW VOLTAGE, CEILING MOUNT OCCUPANCY, W/ENCELIUM SENSOR INTERFACE MODULE (SIM)
1	 SC3	ENCELIUM LOW VOLTAGE - SCENE CONTROL WALL STATION (SC3) - THREE SCENES
4		LUMINAIRE CONTROL MODULE (LCM)
1	 ALC PL	AREA LIGHTING CONTROLLER - HEAVY DUTY RELAY FOR PLUG LOAD (ALC)
		GREENBUS CABLE. PRE-TERMINATED (18AWG X 2) MAXIMUM CONNECTED LENGTH OF WIRING IS 2500FT. PER CHANNEL