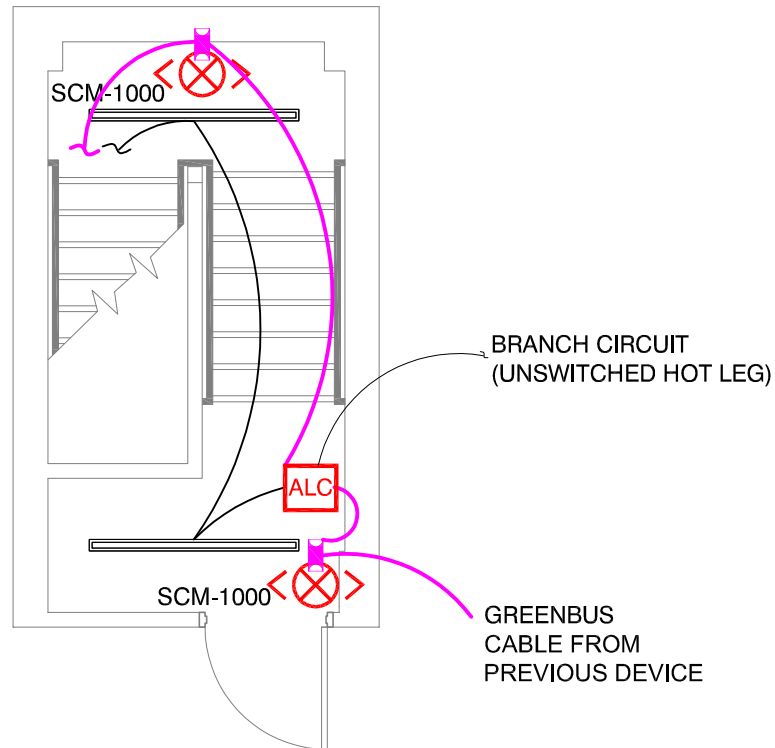


STAIRWELL ASHRAE 90.1-2010 ZONAL CONTROL WIRED SYSTEM



SEQUENCE OF OPERATION

- 1.) LIGHTS AUTOMATICALLY GO TO FULL BRIGHT WHEN OCCUPANCY DETECTED. DIMMED TO 50% WHEN SPACE BECOMES VACANT.
- 2.) ALL LIGHTS WILL AUTOMATICALLY TURN ON TO MAXIMUM LIGHT LEVEL. MAXIMUM LIGHT LEVEL IS SET TO 80%.
- 3.) ALL LIGHTS WILL DIM TO MINIMUM LIGHT LEVEL 15 MINUTES AFTER ALL OCCUPANTS EXIT. MINIMUM LIGHT LEVEL IS SET TO 10%.

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.

TYPICAL DESIGN WITH CONTROL INTENT

ILLUSTRATION ONLY, ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR WIRING UP THE SYSTEM CORRECTLY.

LEGEND - ENCELIUM SYSTEM GREENBUS COMPONENTS

QTY	SYMBOL	DESCRIPTION
2	 SCM-1000	OCCUPANCY SENSOR, PIR/ULTRASONIC MULTI-TECH 360DEG WIDE VIEW, 1000SQFT COVERAGE, LOW VOLTAGE, CEILING MOUNT. W/ENCELIUM SIM ONE AT EACH STAIRWELL LANDING
1	 ALC	AREA LIGHTING CONTROLLER - HEAVY DUTY RELAY W/0-10V DIMMING (ALC) ONE PER CIRCUIT
		GREENBUS CABLE. PRE-TERMINATED (18AWG X 2) MAXIMUM CONNECTED LENGTH OF WIRING IS 2500FT. PER CHANNEL