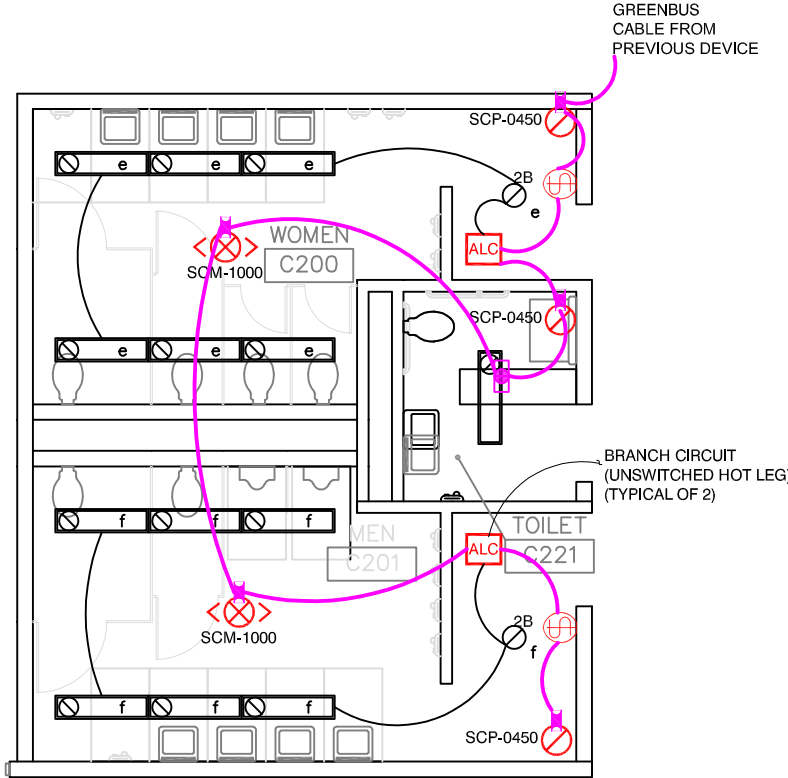


RESTROOM & PRIVATE WASHROOM  
 ASHRAE 90.1-2010  
 ZONAL CONTROL  
 WIRED SYSTEM



SEQUENCE OF OPERATION  
 1.) FOR EACH RESTROOM INDEPENDENTLY, LIGHTING AUTO ON TO 100% WHEN OCCUPANCY DETECTED. TURN OFF AFTER VACANCY OF 30MINS.  
 2.) MANUAL ON/OFF AND FULL RANGE DIMMING CONTROL OF GENERAL LIGHTING WITH WALL SWITCH.

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)

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

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
1	 SCP-0450	OCCUPANCY SENSOR, PIR, 360DEG, 450 SQ.FT. COVERAGE, LOW VOLTAGE CEILING MOUNT. W/ENCELIUM SENSOR INTERFACE MODULE (SIM)
2	 2B	ENCELIUM LOW VOLTAGE - 2 BUTTON SWITCH WALL STATION - (2B)
1	 LCM	LUMINAIRE CONTROL MODULE (LCM)
2	 ALC	AREA LIGHTING CONTROLLER - HEAVY DUTY RELAY W/0-10V DIMMING (ALC)
	 Greenbus Cable	GREENBUS CABLE. PRE-TERMINATED (18AWG X 2) MAXIMUM CONNECTED LENGTH OF WIRING IS 2500FT. PER CHANNEL