CONFERENCE ROOM
CA TITLE 24 2016 DESIGN GUIDE
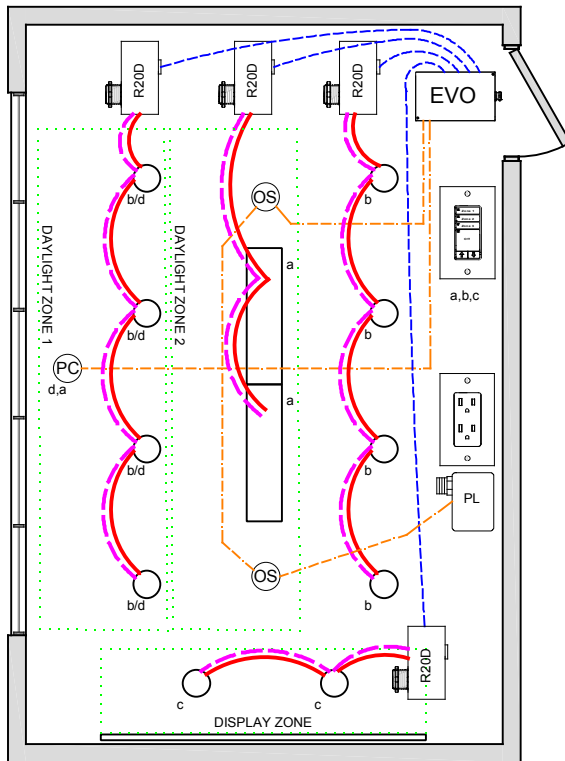
WIRE LEGEND

———	Line voltage
– – –	0-10V Dimming
- - -	CAT-5e Data cable
–·–·–	3-Wire Occupancy Sensor or Photo Cell

Bill Of Material:

Qt:	Product:	Description:
1	LL-EVO	EVO Controller
4	R20D	Remote 20Amp Dimming relay
2	LSG3-WH-3-MZD	LightSync G3 3-Zone dimming digital switch station.
1	PC-IND	Photo Cell - Indoor.
2	ILC-SWX-221-1	Occupancy sensor Celling Dual Tech - 500sf

OVERVIEW:
Lighting zones are controlled together or individually with 0-10V dimming, programmable max/min levels, vacancy off, local digital control stations.

SEQUENCE OF OPERATION:
Lights turn on at digital switch station. Occupancy sensor input set for vacancy-off control, can be changed to on/off with adjustable dim level per zone. Dimmer outputs provide smooth full range control, zones can be set for adjustable start level from occupancy or digital switch. Digital switch station provides individual zone on/off control and dimming, plus dimming for all zones as one. Photo cell monitors daylight and limits the maximum light level in the daylight zone, multiple zones can be controlled from one sensor with independent level settings for each. (Not required for primary daylight zone of <120W). Plug-load control from occupancy senor relay or R20 relay from time clock

ADDITIONAL OPTIONS:
Up to 4-zones with single LL-EVO panel, additional EVO-4X, EVO-8X expansion panels available for up to 16 zones. Additional LightSync switch stations as needed up to 32. Optional LightSync Touch Screen station with multi-zone relay and dimming control. AV interface for RS-232/485, Mobile LS Link APP interface. LL-EVO control panel can connect to ILC network for building control and ARD Automatic Demand Response. Emergency lighting control bypass relay for UL-924 can be added as needed.

CODE REQUIREMENTS SUPPORTED:
Auto-Off from Occupancy sensor (Section 130.1c)
Multi-Level Dimming control (130.1b)
Multi-Level Daylight control (130.1d)
Local Switch control w/dimming (130.1a)
Plug load Control (130.5d)
ADR Automatic Demand Response (130.1e)

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