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LIGHTING CONTROLS - SEQUENCE OF OPERATIONS		
SPACE TYPE	CONTROL FEATURE	DESCRIPTION
BAS SYSTEM INTEGRATION	BACNET INTEGRATION:	SYSTEM SHALL BE INTEGRATED WITH BAS SYSTEM VIA BACNET PROTOCOL. LIGHTING SHALL BE MAPPED ONTO BAS SYSTEM TO ALLOW THE OPERATOR TO EXPERIENCE ONE UNIFIED SYSTEM OF CONTROLLING, MONITORING, SCHEDULING, TRENDING, ALARMING, ETC.
	OCCUPANCY STATUS:	LIGHTING SYSTEM SHALL TRANSMIT OCCUPANCY SENSOR STATUS TO BAS SYSTEM FOR DEMAND VENTILATION PURPOSES.
CLASSROOMS / LABS	DIGITAL KEYPAD:	ENTRY STATION SHALL BE AS INDICATED ON PLANS. ONE BUTTON ENTRY STATIONS (1CH) (WHERE SHOWN ON PLANS) SHALL TURN THE LIGHTS ON (SCENE 1) AND OFF. SIX BUTTON STATIONS (3PR) AT THE TEACHING WALL SHALL ALLOW USERS TO ADJUST THE LIGHTS BETWEEN ONE OF THREE PRE-SET SCENES, AND RAISE/LOWER THE DIM LEVEL OF THE LIGHTS, FROM 0% TO 100% LIGHT OUTPUT.
		SCENE 1 - ENERGY SAVING - LIGHTS SHALL OPERATE AT HIGH END TRIM. DAYLIGHT SENSOR (WHERE INDICATED ON PLANS) SHALL DIM LIGHTS IN RESPONSE TO DAYLIGHT.
		SCENE 2 - MEDIA - THE LIGHTING IS DIMMED TO A COMFORTABLE LEVEL. DAYLIGHT SENSOR (IF ANY) IS DISABLED.
		SCENE 3 - BOARD LIGHTS - THE LIGHTS AT THE TEACHING WALL SHALL TOGGLE BETWEEN ON AND OFF, ALLOWING USERS TO TURN BOARD LIGHTS OFF FOR AV PRESENTATIONS, OR ON FOR WRITING ON WHITE BOARD. DAYLIGHT SENSOR IS DISABLED.
		SCENE 4 - OFF
		FADE RATE BETWEEN SCENES: 2 SECONDS
	OCCUPANCY SENSORS:	MANUAL ON - WHEN A ROOM IS UNOCCUPIED AND OCCUPANCY IS DETECTED, THE LIGHTS WILL NOT AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 20 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		GRACE PERIOD - IF MOTION IS DETECTED WITHIN 10 SECONDS OF THE LIGHTS TURNING OFF, THEY WILL AUTOMATICALLY TURN BACK ON.
	DAYLIGHT SENSOR:	DAYLIGHT HARVESTING - IN ROOMS WITH WINDOWS, DAYLIGHT SENSOR SHALL CONTINUOUSLY DIM THE LIGHT OUTPUT IN RESPONSE TO AVAILABLE DAYLIGHT. DAYLIGHT HARVESTING ZONE SHALL ENCOMPASS LIGHTS WITHIN 15' OF GLASS.
NETWORKED OFFICES AND SIMILARLY CONFIGURED SPACES		TARGET LIGHT LEVEL - 50 FOOTCANDLES AVERAGE
		LOW END TRIM - SENSOR SHALL NOT DIM THE LIGHTS BELOW 20% OR TURN OFF THE LIGHTS COMPLETELY.
		INDEPENDENT OPERATION - WHERE ROOMS ARE LARGE ENOUGH OR INCLUDE MULTIPLE WINDOW EXPOSURES, MULTIPLE DAYLIGHT SENSORS ARE SHOWN. THESE SENSORS SHALL INDEPENDENTLY CONTROL THE LIGHTS IN THEIR IMMEDIATE AREA, AND OPERATE INDEPENDENTLY FROM OTHER SENSORS IN THE SAME ROOM.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	1 BUTTON WITH RAISE LOWER KEYPAD (1RL) SHALL ALLOW USERS TO TURN ON THE LIGHTS, TURN OFF THE LIGHTS, AND RAISE/LOWER THE DIM LEVEL OF THE LIGHTS, FROM 0% TO 100% LIGHT OUTPUT.
	OCCUPANCY SENSORS:	MANUAL ON - WHEN A ROOM IS UNOCCUPIED AND OCCUPANCY IS DETECTED, THE LIGHTS WILL NOT AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 20 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		GRACE PERIOD - IF MOTION IS DETECTED WITHIN 10 SECONDS OF THE LIGHTS TURNING OFF, THEY WILL AUTOMATICALLY TURN BACK ON.
	DAYLIGHT SENSOR:	DAYLIGHT HARVESTING - IN ROOMS WITH WINDOWS, DAYLIGHT SENSOR SHALL CONTINUOUSLY DIM THE LIGHT OUTPUT IN RESPONSE TO AVAILABLE DAYLIGHT. DAYLIGHT HARVESTING ZONE SHALL ENCOMPASS LIGHTS WITHIN 15' OF GLASS.
STAND ALONE OFFICES AND SIMILARLY CONFIGURED SPACES		TARGET LIGHT LEVEL - 50 FOOTCANDLES AVERAGE
		LOW END TRIM - SENSOR SHALL NOT DIM THE LIGHTS BELOW 20% OR TURN OFF THE LIGHTS COMPLETELY.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	EXTERIOR LIGHTING COVE:	WHERE THE EXTERIOR LIGHTING COVE PASSES THROUGH AN OFFICE (3RD AND 4TH FLOOR), THE LIGHTING COVE SHALL OPERATE INDEPENDENTLY FROM THE OFFICE LIGHTING. COVE SHALL BE DIMMED AND OPERATE OFF A SCHEDULE.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	ENTRY SWITCH(ES):	MANUAL WALL BOX DIMMERS OR MANUAL TOGGLE SWITCHES SHALL BE PROVIDED TO OPERATE LIGHTS AS INDICATED ON PLANS.
	OCCUPANCY SENSORS:	AUTO ON/AUTO OFF - WHERE OCCUPANCY SENSORS ARE SHOWN, PROVIDE POWER PACK(S) AS REQUIRED TO OPERATE LOADS SHOWN. POWER PACKS SHALL BE WIRED AHEAD OF LOCAL SWITCHES.
	HVAC DRY CONTACT:	WHEN NO OCCUPANCY IS DETECTED, A SIGNAL WILL BE SENT TO THE HVAC SYSTEM. PROVIDE OCCUPANCY SENSORS WITH AUXILIARY CONTACTS OR SEPARATE DRY CONTACT RELAY.
	STAND ALONE:	THESE CONTROLS ARE NOT CONNECTED TO THE CONTROLS IN OTHER ROOMS.
	DIGITAL KEYPAD:	1 BUTTON MANUAL STATION (1CH) SHALL TOGGLE LIGHTS ON AND OFF.
RESTROOMS	OCCUPANCY SENSORS:	AUTO ON - WHEN OCCUPANCY IS DETECTED, LIGHTS WILL AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 20 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		WHEN LIGHTS ARE MANUALLY TURNED OFF, THE SYSTEM WILL NOT AUTOMATICALLY TURN ON LIGHTS UNTIL SENSOR TIMES OUT.
	EMERGENCY NIGHT LIGHT:	LIFE SAFETY ENTRY DOOR NIGHT LIGHT SHALL REMAIN AT 50% LIGHT OUTPUT, WHILE REMAINDER OF LIGHTS TURN OFF.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	1 BUTTON MANUAL STATION (1CH) SHALL TOGGLE LIGHTS ON AND OFF.
	OCCUPANCY SENSORS:	AUTO ON - WHEN OCCUPANCY IS DETECTED, LIGHTS WILL AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 20 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		WHEN LIGHTS ARE MANUALLY TURNED OFF, THE SYSTEM WILL NOT AUTOMATICALLY TURN ON LIGHTS UNTIL SENSOR TIMES OUT.
STAND ALONE OFFICES AND SIMILARLY CONFIGURED SPACES	ENTRY SWITCH(ES):	MANUAL WALL BOX DIMMERS OR MANUAL TOGGLE SWITCHES SHALL BE PROVIDED TO OPERATE LIGHTS AS INDICATED ON PLANS.
	OCCUPANCY SENSORS:	AUTO ON/AUTO OFF - WHERE OCCUPANCY SENSORS ARE SHOWN, PROVIDE POWER PACK(S) AS REQUIRED TO OPERATE LOADS SHOWN. POWER PACKS SHALL BE WIRED AHEAD OF LOCAL SWITCHES.
	HVAC DRY CONTACT:	WHEN NO OCCUPANCY IS DETECTED, A SIGNAL WILL BE SENT TO THE HVAC SYSTEM. PROVIDE OCCUPANCY SENSORS WITH AUXILIARY CONTACTS OR SEPARATE DRY CONTACT RELAY.
	STAND ALONE:	THESE CONTROLS ARE NOT CONNECTED TO THE CONTROLS IN OTHER ROOMS.
	DIGITAL KEYPAD:	1 BUTTON MANUAL STATION (1CH) SHALL TOGGLE LIGHTS ON AND OFF.
	OCCUPANCY SENSORS:	AUTO ON - WHEN OCCUPANCY IS DETECTED, LIGHTS WILL AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 20 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		WHEN LIGHTS ARE MANUALLY TURNED OFF, THE SYSTEM WILL NOT AUTOMATICALLY TURN ON LIGHTS UNTIL SENSOR TIMES OUT.
	EMERGENCY NIGHT LIGHT:	LIFE SAFETY ENTRY DOOR NIGHT LIGHT SHALL REMAIN AT 50% LIGHT OUTPUT, WHILE REMAINDER OF LIGHTS TURN OFF.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
RESTROOMS	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	1 BUTTON MANUAL STATION (1CH) SHALL TOGGLE LIGHTS ON AND OFF.
	OCCUPANCY SENSORS:	AUTO ON - WHEN OCCUPANCY IS DETECTED, LIGHTS WILL AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 20 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		WHEN LIGHTS ARE MANUALLY TURNED OFF, THE SYSTEM WILL NOT AUTOMATICALLY TURN ON LIGHTS UNTIL SENSOR TIMES OUT.
	EMERGENCY NIGHT LIGHT:	LIFE SAFETY ENTRY DOOR NIGHT LIGHT SHALL REMAIN AT 50% LIGHT OUTPUT, WHILE REMAINDER OF LIGHTS TURN OFF.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	1 BUTTON MANUAL STATION (1CH) SHALL TOGGLE LIGHTS ON AND OFF.
	OCCUPANCY SENSORS:	AUTO ON - WHEN OCCUPANCY IS DETECTED, LIGHTS WILL AUTOMATICALLY TURN ON.

LIGHTING CONTROLS - SEQUENCE OF OPERATIONS		
SPACE TYPE	CONTROL FEATURE	DESCRIPTION
CONFERENCE ROOMS	DIGITAL KEYPAD:	SIX BUTTON STATIONS (3PR) SHALL ALLOW USERS TO ADJUST THE LIGHTS BETWEEN ONE OF THREE PRE-SET SCENES, AND RAISE/LOWER THE DIM LEVEL OF THE LIGHTS, FROM 0% TO 100% LIGHT OUTPUT.
		SCENE 1 - ENERGY SAVING - LIGHTS SHALL OPERATE AT HIGH END TRIM. DAYLIGHT SENSOR SHALL DIM LIGHTS IN RESPONSE TO DAYLIGHT.
		SCENE 2 - MEETING - THE LIGHTING IS DIMMED TO A COMFORTABLE LEVEL. DISPLAY WALLS AND TABLES ARE HIGHLIGHTED. GENERAL AMBIENT LIGHTING IS DIMMED. DAYLIGHT SENSOR IS DISABLED.
		SCENE 3 - AV - THE LIGHTING WILL BE DIMMED LOW TO ALLOW PROJECTORS / MONITORS TO BE VIEWED. DAYLIGHT SENSOR IS DISABLED.
		SCENE 4 - OFF
		FADE RATE BETWEEN SCENES: 2 SECONDS
	OCCUPANCY SENSORS:	MANUAL ON - WHEN A ROOM IS UNOCCUPIED AND OCCUPANCY IS DETECTED, THE LIGHTS WILL NOT AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 15 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		GRACE PERIOD - IF MOTION IS DETECTED WITHIN 10 SECONDS OF THE LIGHTS TURNING OFF, THEY WILL AUTOMATICALLY TURN BACK ON.
	DAYLIGHT SENSOR:	DAYLIGHT HARVESTING - IN ROOMS WITH WINDOWS, DAYLIGHT SENSOR SHALL CONTINUOUSLY DIM THE LIGHT OUTPUT IN RESPONSE TO AVAILABLE DAYLIGHT. DAYLIGHT HARVESTING ZONE SHALL ENCOMPASS LIGHTS WITHIN 15' OF GLASS.
TEACHING KITCHEN		TARGET LIGHT LEVEL - 50 FOOTCANDLES AVERAGE
		LOW END TRIM - SENSOR SHALL NOT DIM THE LIGHTS BELOW 20% OR TURN OFF THE LIGHTS COMPLETELY.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	ENTRY ONE BUTTON WALL STATION (1CH) WILL ALLOW USERS TO TURN LIGHTS ON AND OFF. SIX BUTTON STATIONS (3PR) SHALL ALLOW USERS TO ADJUST THE LIGHTS BETWEEN ONE OF THREE PRE-SET SCENES, AND RAISE/LOWER THE DIM LEVEL OF THE LIGHTS, FROM 0% TO 100% LIGHT OUTPUT.
		FADE RATES - 2 SECONDS
	OCCUPANCY SENSORS:	MANUAL ON - WHEN A ROOM IS UNOCCUPIED AND OCCUPANCY IS DETECTED, THE LIGHTS WILL NOT AUTOMATICALLY TURN ON.
		DIM WARN/OFF - 15 MINUTES AFTER ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY SHUT OFF. APPROXIMATELY 3 MINUTES PRIOR TO SHUTTING OFF, THE LIGHTS WILL DIM TO 50%, WARNING THE USERS THE LIGHTS WILL BE SHUTTING OFF.
		GRACE PERIOD - IF MOTION IS DETECTED WITHIN 10 SECONDS OF THE LIGHTS TURNING OFF, THEY WILL AUTOMATICALLY TURN BACK ON.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
CORRIDORS / CIRCULATION	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	MANUAL ON - ONE BUTTON KEYPAD (1CH) SHALL ALLOW USERS TO MANUALLY TURN THE LIGHTS ON AND OFF.
	SCHEDULED OFF:	SCHEDULED OFF - LIGHTING WILL SHUT OFF AT A PRE-DETERMINED TIME.
	DAYLIGHT SENSOR:	DAYLIGHT HARVESTING - IN CIRCULATION AREAS WITH WINDOWS, DAYLIGHT SENSOR SHALL CONTINUOUSLY DIM THE LIGHT OUTPUT IN RESPONSE TO AVAILABLE DAYLIGHT. DAYLIGHT HARVESTING ZONE SHALL ENCOMPASS LIGHTS WITHIN 15' OF GLASS.
		TARGET LIGHT LEVEL - 20 FOOTCANDLES AVERAGE
		LOW END TRIM - SENSOR SHALL NOT DIM THE LIGHTS BELOW 20% OR TURN OFF THE LIGHTS COMPLETELY.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE NETWORKED BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	MANUAL ON - ONE BUTTON KEYPAD (1CH) SHALL ALLOW USERS TO MANUALLY TURN THE LIGHTS ON AND OFF.
	SCHEDULED OFF:	SCHEDULED OFF - LIGHTING WILL SHUT OFF AT A PRE-DETERMINED TIME.
STAIRWELLS	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE NETWORKED BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	MANUAL ON - ONE BUTTON KEYPAD (1CH) SHALL ALLOW USERS TO MANUALLY TURN THE LIGHTS ON AND OFF.
	SCHEDULED OFF:	SCHEDULED OFF - LIGHTING WILL SHUT OFF AT A PRE-DETERMINED TIME.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE NETWORKED BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	MANUAL ON - ONE BUTTON KEYPAD (1CH) SHALL ALLOW USERS TO MANUALLY TURN THE LIGHTS ON AND OFF.
	SCHEDULED OFF:	SCHEDULED OFF - LIGHTING WILL SHUT OFF AT A PRE-DETERMINED TIME.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE NETWORKED BUILDING LIGHTING CONTROL SYSTEM.
SMALL STAND ALONE STORAGE ROOMS WITH WALL SWITCH SENSORS	WALL SWITCH OCCUPANCY SENSOR:	PASSIVE INFRARED SENSOR (1PIR) SHALL BE SET FOR MANUAL ON / AUTOMATIC OFF, WITH A 20 MINUTE TIME DELAY. SENSOR SHALL ALLOW USERS TO AND RAISE/LOWER THE DIM LEVEL OF THE LIGHTS, FROM 0% TO 100% LIGHT OUTPUT.
	STAND ALONE:	THESE CONTROLS ARE NOT CONNECTED TO THE CONTROLS IN OTHER ROOMS.
	DIGITAL KEYPAD:	MANUAL ON - ONE BUTTON KEYPAD (1CH) SHALL ALLOW USERS TO MANUALLY TURN THE LIGHTS ON AND OFF.
	SCHEDULED OFF:	SCHEDULED OFF - LIGHTING WILL SHUT OFF AT A PRE-DETERMINED TIME.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE NETWORKED BUILDING LIGHTING CONTROL SYSTEM.
	DIGITAL KEYPAD:	MANUAL ON - ONE BUTTON KEYPAD (1CH) SHALL ALLOW USERS TO MANUALLY TURN THE LIGHTS ON AND OFF.
	SCHEDULED OFF:	SCHEDULED OFF - LIGHTING WILL SHUT OFF AT A PRE-DETERMINED TIME.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE NETWORKED BUILDING LIGHTING CONTROL SYSTEM.
EXTERIOR SITE LIGHTING	OUTDOOR DAYLIGHT SENSOR:	PHOTO ON / PHOTO OFF - LIGHTING ZONES SHALL ENERGIZE WHEN THERE IS INSUFFICIENT DAYLIGHT, AND TURN OFF WHEN THERE IS SUFFICIENT DAYLIGHT.
	SCHEDULED ON/OFF:	PHOTO ON / TIME CLOCK OFF - SELECT LANDSCAPE AND ARCHITECTURAL LIGHTING ZONES WILL ENERGIZE WHEN THERE IS INSUFFICIENT DAYLIGHT. THE LIGHTS WILL THEN TURN OFF AT A PREDETERMINED TIME.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	OUTDOOR DAYLIGHT SENSOR:	PHOTO ON / PHOTO OFF - LIGHTING ZONES SHALL ENERGIZE WHEN THERE IS INSUFFICIENT DAYLIGHT, AND TURN OFF WHEN THERE IS SUFFICIENT DAYLIGHT.
	SCHEDULED ON/OFF:	PHOTO ON / TIME CLOCK OFF - SELECT LANDSCAPE AND ARCHITECTURAL LIGHTING ZONES WILL ENERGIZE WHEN THERE IS INSUFFICIENT DAYLIGHT. THE LIGHTS WILL THEN TURN OFF AT A PREDETERMINED TIME.
	HIGH END TRIM:	MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
	NETWORKED:	THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.
	OUTDOOR DAYLIGHT SENSOR:	PHOTO ON / PHOTO OFF - LIGHTING ZONES SHALL ENERGIZE WHEN THERE IS INSUFFICIENT DAYLIGHT, AND TURN OFF WHEN THERE IS SUFFICIENT DAYLIGHT.
	SCHEDULED ON/OFF:	PHOTO ON / TIME CLOCK OFF - SELECT LANDSCAPE AND ARCHITECTURAL LIGHTING ZONES WILL ENERGIZE WHEN THERE IS INSUFFICIENT DAYLIGHT. THE LIGHTS WILL THEN TURN OFF AT A PREDETERMINED TIME.

LIGHTING CONTROLS - SEQUENCE OF OPERATIONS		
SPACE TYPE	CONTROL FEATURE	DESCRIPTION
LECTURE HALL	DIGITAL KEYPAD:	ONE BUTTON ENTRY STATION (1CH) SHALL TURN THE LIGHTS ON (SCENE 1) AND OFF. THE SIX BUTTON STATION (3PR) AT THE PRESENTER WALL SHALL ALLOW USERS TO ADJUST THE LIGHTS BETWEEN ONE OF THREE PRE-SET SCENES, AND RAISE/LOWER THE DIM LEVEL OF THE LIGHTS, FROM 0% TO 100% LIGHT OUTPUT. ONE (3RL) KEYPAD SHALL PROVIDE RAISE LOWER CONTROL FOR STAGE LEFT, STAGE CENTER, AND STAGE RIGHT LIGHTING ZONES.
		IN THE CONTROL ROOM, ONE (3PR) KEYPAD SHALL RECALL PRE-SET SCENES 1-3 AND PROVIDE RAISE LOWER. IN ADDITION, ONE (3RL) KEYPAD SHALL PROVIDE RAISE LOWER CONTROL FOR STAGE LEFT, STAGE CENTER, AND STAGE RIGHT LIGHTING ZONES.
		SCENE 1 - GENERAL PRESENTATION - LIGHTS SHALL OPERATE AT OWNER SELECTED DIM LEVEL. SPEAKER AND AUDIENCE ARE WELL LIT.
		SCENE 2 - SPEAKER PRESENTATION - THE STAGE IS WELL LIT WHILE THE AUDIENCE LIGHTING IS SUBDUED.
SCHEDULED OFF:		SCENE 3 - AV MODE - THE LIGHTING WILL BE DIMMED LOW TO ALLOW PROJECTORS / MONITORS TO BE EASILY VIEWED.
		SCENE 4 - OFF
		STAGE LEFT: SWITCH LEG "c".
		STAGE CENTER: SWITCH LEGS "d", "e", and "f". (MULTIPLE SWITCH LEGS ALLOW THE OWNER TO RECONFIGURE THE STAGE WITHOUT RE-WIRING THE LIGHTS.)
HIGH END TRIM:		STAGE RIGHT: SWITCH LEG "g".
		FADE RATE BETWEEN SCENES - 2 SECONDS
		SCHEDULED OFF - LIGHTING WILL SHUT OFF AT A PRE-DETERMINED TIME.
		MAXIMUM LIGHT OUTPUT WILL BE CAPPED TO SAVE ENERGY, CONTROL GLARE, INCREASE LED LIFE, AND MEET TARGET LIGHT LEVELS.
NETWORKED:		THESE CONTROLS ARE CONNECTED TO THE BUILDING LIGHTING CONTROL SYSTEM.

- SCHEDULE NOTES:
- WHERE EMERGENCY LIGHTS ARE SHOWN ON PLANS TO BE CONTROLLED BY THE LIGHTING CONTROL SYSTEM, PROVIDE UL-924 LISTED DEVICES TO CONTROL LIFE SAFETY LIGHTS. CONFIGURE SYSTEM TO ENERGIZE LIGHTS UPON LOSS OF NORMAL POWER.
 - REFER TO PLANS AND SPECIFICATION SECTION 267500 FOR ADDITIONAL DETAILS.
 - CONTRACTOR SHALL COORDINATE A MEETING BETWEEN DESIGN TEAM, OWNER, AND LIGHTING CONTROL SYSTEM START-UP TECHNICIAN, TO REVIEW SEQUENCE OF OPERATIONS. CONTRACTOR SHALL CONFIRM SYSTEM SCHEDULES, TIME DELAYS, AND SCENE CONFIGURATIONS.
 - COORDINATE HIGH END TRIM SETTINGS WITH ENGINEER, AFTER LIGHTS ARE INSTALLED AND OPERATIONAL.

THE SEAL(S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT.



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1 ADDENDUM 2-2 19 APRIL 2016
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Drawing Title:

SCHEDULES - ELECTRICAL

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