

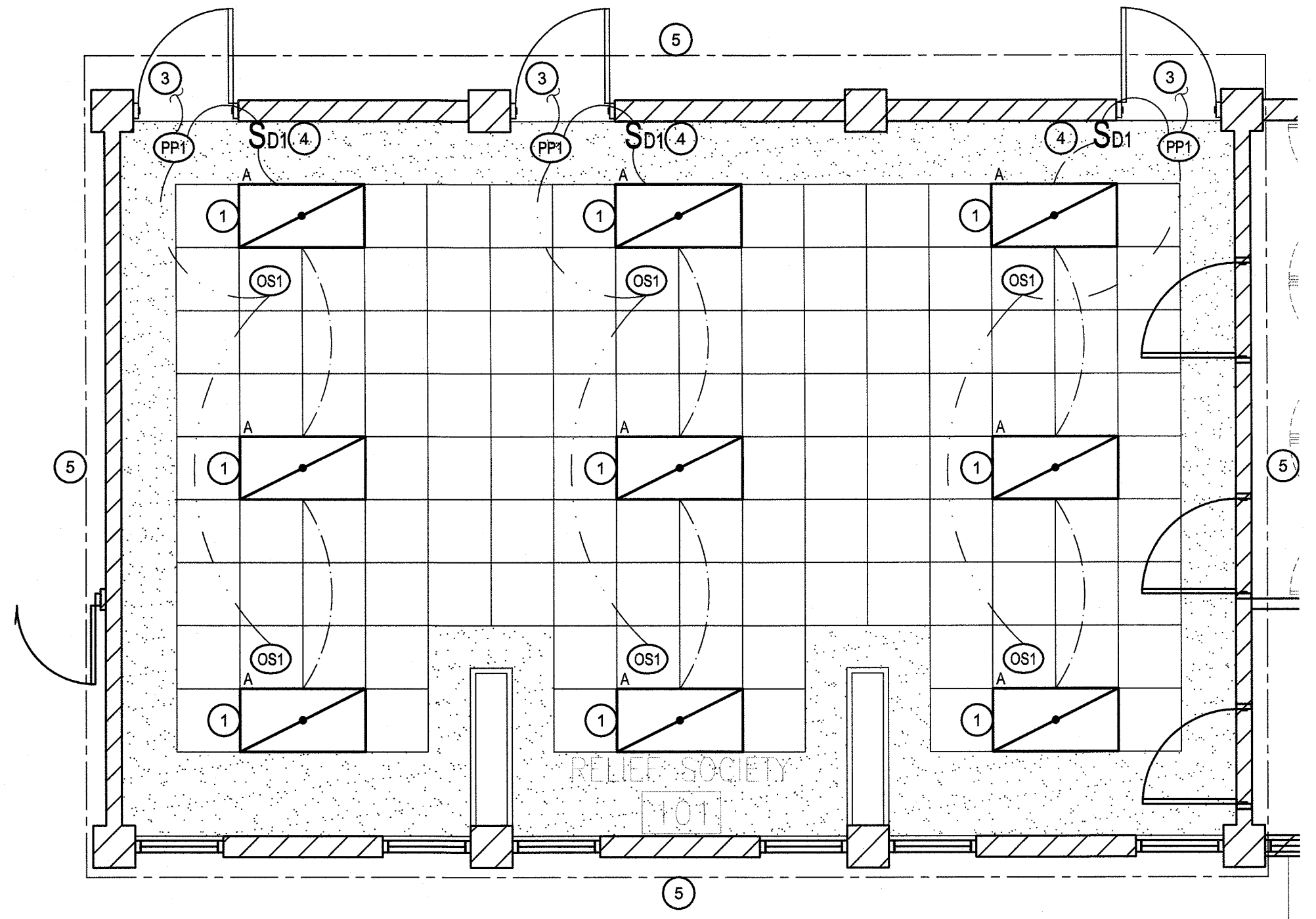
LIGHT CIRCUIT LEGEND	
	0-10 DIMMING LINE VOLTAGE LIGHTING CONDUCTORS AND 0-10V (GREY,PURPLE) DIMMING CONDUCTORS
	LOW VOLTAGE REMOTE OCCUPANCY SENSOR (18/3C UTP) 18 GAUGE 3 CONDUCTOR UNSHIELDED TWIST PAIR 24V CABLE

SWITCH AND OCCUPANCY SENSOR LEGEND	
	OCCUPANCY SENSOR - CEILING MOUNT, DUAL TECHNOLOGY, LOW VOLTAGE, SMALL MOTION SENSOR SWITCH CM-PDT-9
	POWER PACK - 120 VOLT, 15 VDC SENSOR SWITCH PP20
	DIMMING SWITCH - WALL MOUNT, 12/24V INPUT, 120/277V OUTPUT, LED, ON/OFF/DIMMER SWITCH SENSOR SWITCH SPODM-D-COLOR BY OWNER

LIGHTING FIXTURE SCHEDULE (21-302)							
TYPE	DESCRIPTION	MTG.	LAMP TYPES	WATTS	MFG. & CATALOG NUMBER	OR EQUAL BY	NOTES
A1	2X4' FLAT PANEL WITH ADJUSTABLE LUMEN OUTPUT 4000/5000/6000 LUMENS, 80CRI, 120-277V, 0-10V DIMMING	RECESSED	LED 4000K	32/42/52	LITHONIA NO. CPANL-2X4-40/50/60LM-40K-M2	LIGHTOLIER METALUX H. E. WILLIAMS	1

LIGHTING FIXTURE SCHEDULE NOTES:

1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED PRIOR TO BID DATE BY THE GREATER OF: 7 BUSINESS DAYS OR THE TIME PERIOD SPECIFIED BY DIVISION 1 SPECIFICATIONS, AND IF DEEMED EQUAL BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.



RELIEF SOCIETY ROOM LIGHTING INSTALL PLAN
SCALE: 1/8" = 1'-0"
North

KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. NOTED FIXTURE TO BE SET TO 4000 LUMENS.
- 2. NOTED FIXTURE TO BE SET TO 5000 LUMENS.
- 3. CONNECT TO EXISTING LIGHTING CIRCUIT IN ROOM.
- 4. ELECTRICAL CONTRACTOR TO PROVIDE A COMBINATION DECOR/BLANK 2-GANG FACEPLATE.
- 5. ALTERNATE #2
- 6. ALTERNATE #3

Architect / Engineer:
P.C. Architects Inc.
Dennis B. Patten, AIA
P.O. Box 217
St. George, UT 84771
(435) 673-6579

Expiration date of license: 04/30/22

This work was prepared by me or under my supervision. Construction of this project will be under my observation.

Project Name:
KALIHI RE-ROOF AND HVAC REFURBISHMENT
HONOLULU, HAWAII WEST STAKE
THK. 1-3-005:17
1120 Kalia St., (1723 Beckley St.) Honolulu, HI 96819

Owner:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

NO.	DATE	DESCRIPTION
1	09/01/2021	BID SET

Project Number:
PCA-2013
Plan Series:
EXISTING
Property Number:
500-0031-919010101

Sheet Title:
LIGHTING INSTALLATION PLAN

Sheet:
E300

Section # & Req ID	Final Inspection	Complies?	Comments/Assumptions
C405.2.1 [E133]	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [E136]	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [E137]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2 [E122]	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Lighting controlled by occupancy sensors.
C405.2.3 [E134]	Daylight areas provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.3 [E120]	Primary side-lighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.3 [E121]	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.4 [E14]	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [E16]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 [E17]	Exit signs do not exceed 5 watts per foot.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

COMcheck Software Version 4.1.5.1
Interior Lighting Compliance Certificate

Project Information	
Energy Code:	2015 IECC
Project Title:	Kalihi Re-Roof and HVAC Refurbishment
Project Type:	Alteration
Construction Site:	1723 Beckley St. Honolulu, HI 96819
Owner/Agent:	The Church of Jesus Christ of Latter-Day Saints 1723 Beckley St. Honolulu, HI 96819
Designer/Contractor:	Allen Halverson Mugrove Engineering 645 W 25th St. Salt Lake City, UT 84102 208-523-2862 allen@musgrovepa.com

Allowed Interior Lighting Power	A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Religious Building		1991	1.00	1991
		Total Allowed Watts = 1991		

Proposed Interior Lighting Power	A Fixture ID / Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture (C X D)	E Watts
Religious Building (1991 sq. ft.)	LED 1 LED Panel 50W	1	23	50
		Total Proposed Watts = 1219		

Interior Lighting PASSES

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Report.

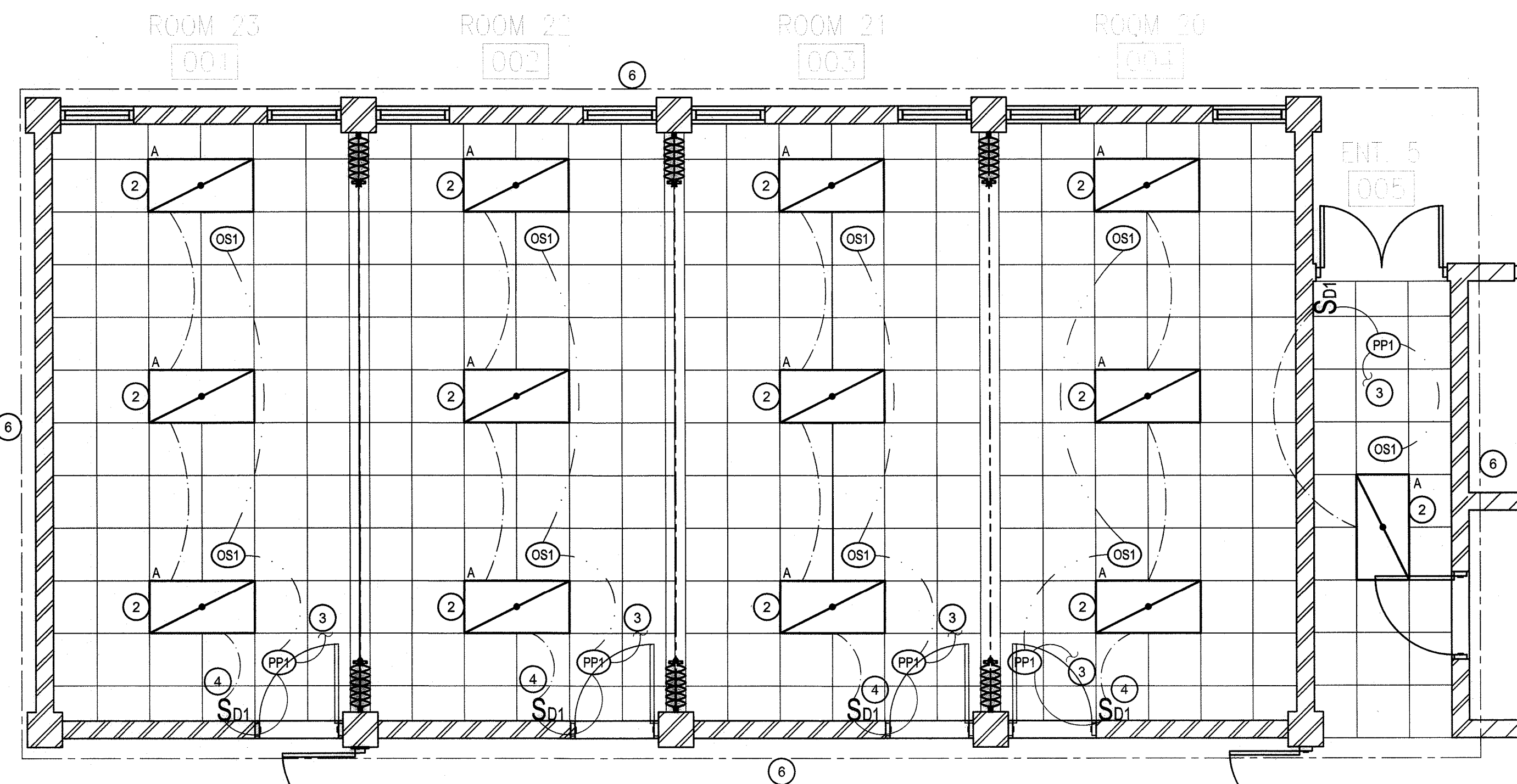
Kurt Lechtenberg
Name - Title
Signature
Date: 8/26/21

COMcheck Software Version 4.1.5.1
Inspection Checklist

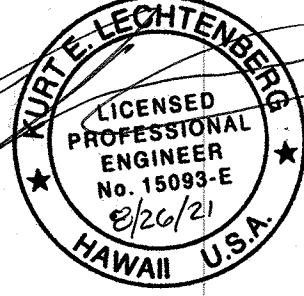
Requirements: 100.0% were addressed directly in the COMcheck software. Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:



PRIMARY ROOM LIGHTING INSTALL PLAN
SCALE: 1/8" = 1'-0"
North



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PROJECT NO. 21-302