

ELECTRICAL NOTES:

The hot water circulating system shall be equipped with an automatic or readily accessible manual on switch and a temperature sensor activated shut-off that can automatically turn off the hot-water circulating pump when the set temperature is reached. N1103.4.1 amended.

Provide Minimum R-3 insulation on hot water pipes. (N1103.4).  
Dryer exhaust ducts shall conform to the requirements of Sections (M1502.4.5 amended), M1502.4.1 thru M1502.4.6.

Exhaust air from kitchens, bathrooms and toilet rooms shall not be re-circulated within a residence or to another dwelling unit, shall not discharge into an attic and/or crawl space and shall be exhausted directly to the outdoors. (M1507.2).

Electrical fixtures located in damp or wet locations shall be "listed" to be suitable for such location. (E4003.9).  
Provide a wall mounted GFCI protected receptacle outlet within 36" of a bathroom or powder room lavatory. (E3901.6).

15 and 20ampere receptacles installed in bathrooms, garages and grade-level portions of unfinished accessory buildings used for storage or work areas, and installed outdoors shall have GFCI protection for personnel. (E3902.1-3).

All branch circuits that supply 15 and 20ampere outlets installed in family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreations rooms, closets, hallways and similar rooms or areas shall be protected by a combination type arc-fault circuit interrupter (AFCI) installed to provide protection of the branch circuit. (E3902.12).

In areas specified in Section E3901.1, 15 and 20 ampere receptacles shall be listed tamper-resistant. (E4002.14).

Provide Smoke Alarms (R314).

Approved carbon monoxide alarms shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages. (R315).

Provide a switch for the stairway when there are 6 or more risers. (R303.7.1).  
Receptacle outlets shall be installed so that no point along the floor line in any wall space is more than 6 feet, measured horizontally, from an outlet in that space, including any wall space 2 feet or more in width. (E3901).

Provide a minimum of two 20-amp small appliance branch circuits for the kitchen/dining/breakfast. (E3703.2).

Provide a concrete encased grounding electrode of not less than 20 feet of #4 bare copper. (E3608.1.2).

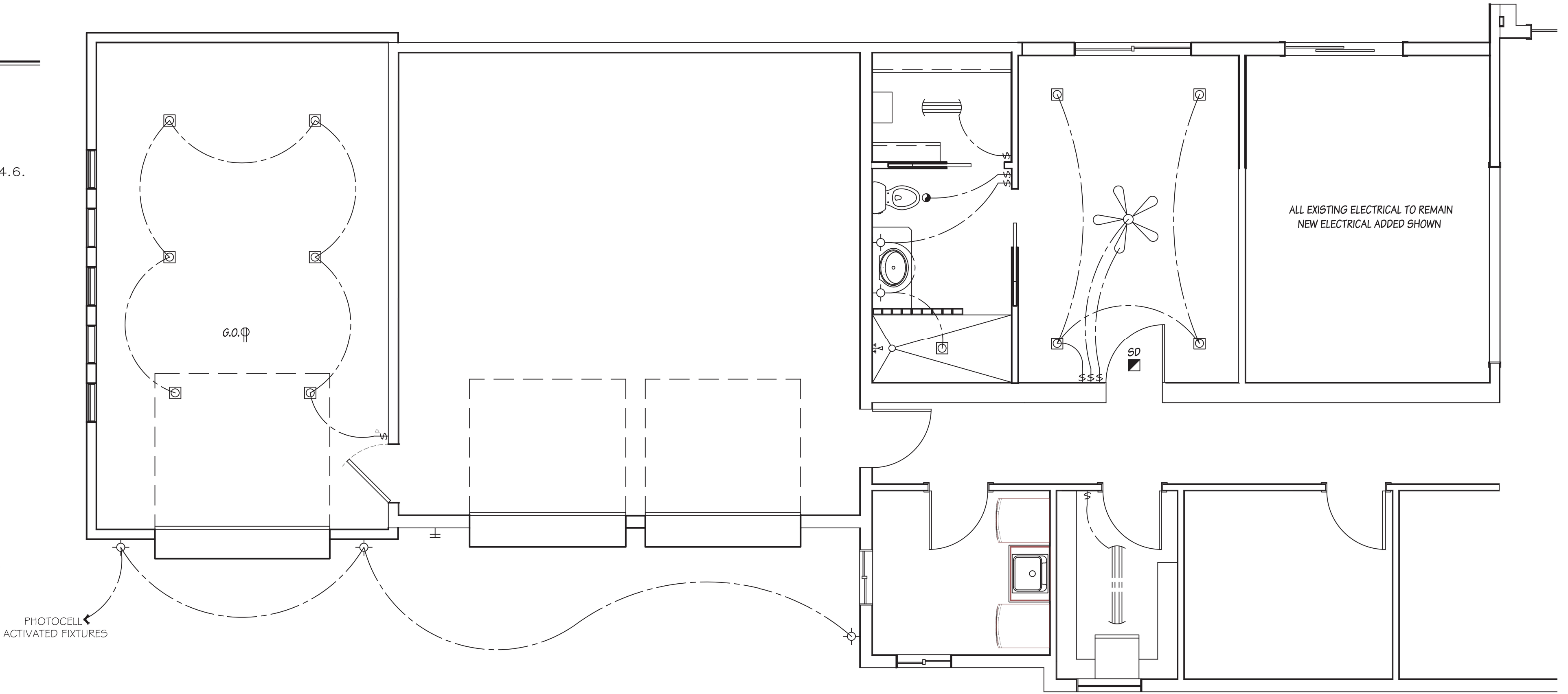
Provide bonding to the water piping, gas and metal building systems. (E3606.9, E3609.7).

All metal piping systems, metal parts of electrical equipment, and pump motors associated with the hydro massage tub shall be bonded together using a copper bonding jumper, insulated, covered, or bare, not smaller than No. 8 solid. (E4209).ng s

A minimum of 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum of 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps. (N1104.1).

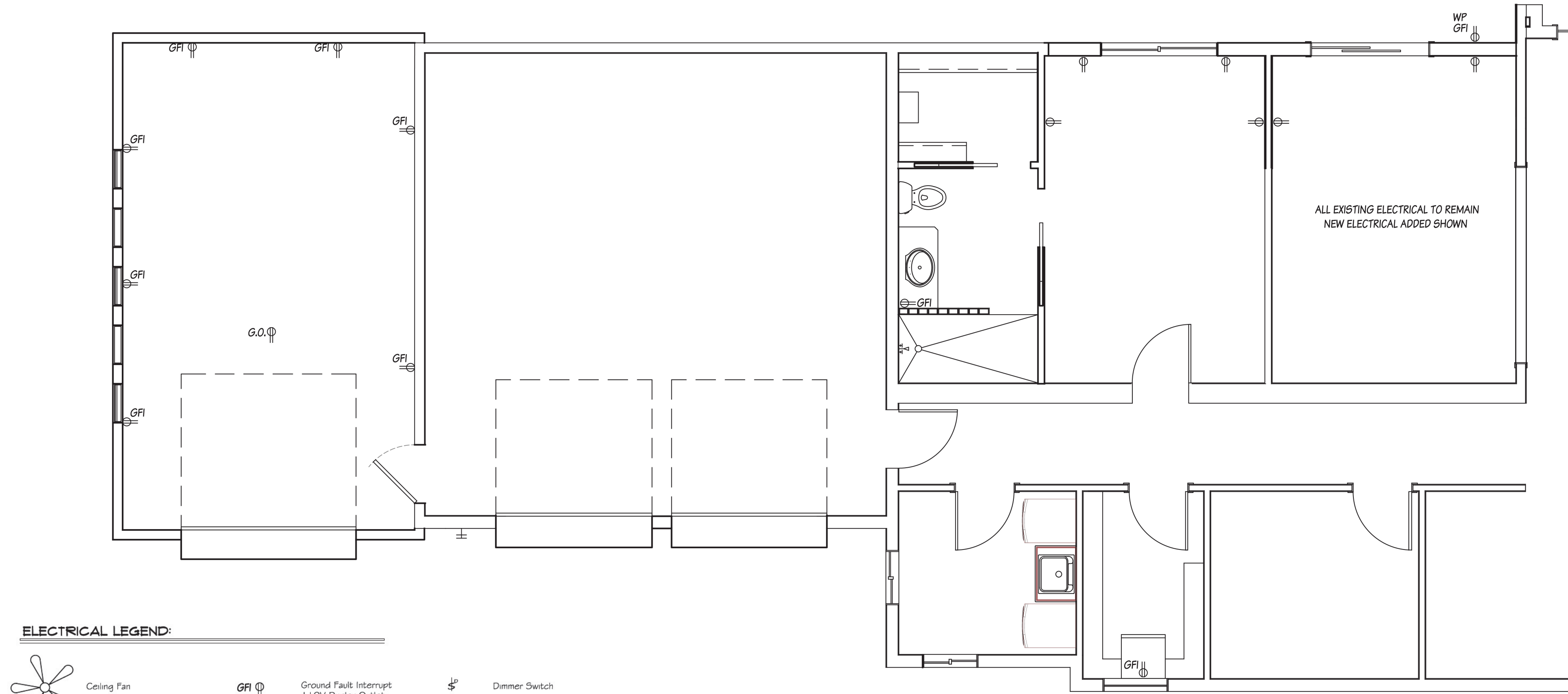
Recessed luminaires installed in the building thermal envelope shall be IC-rated, labeled with air leakage rate not more than 2.0 CFM sealed with a gasket or caulk between the housing and the interior wall or ceiling covering. (N1102.4.4).

- Smoke Detectors and Carbon Monoxide Alarms to be Hard-Wired and Interconnected w/ Battery Backup.
- Smoke Detectors and Carbon Monoxide Alarms to be Installed Throughout Existing Residence Where Required per 2016 IRC Section R314 and R315.
- All Recessed Lighting Fixtures to be IC Rated.
- All Permanently Installed Appliances and Fixtures to be Energy Star Rated.
- Pre-Wire Alarm System Per Owner/Contractor.
- All Outlets Located In Habitable Areas to be Arc-Fault Interrupter Type.
- All Outlets Located in "Wet" Areas to be GFI Protected.  
Electrical Contractor to Wire for Whole House Ventilation System.  
Location of Equipment and Electrical Needs to be Coordinated With HVAC Contractor.
- All Existing Electrical to be Made to be Per Current Code.
- Electrical Contractor to Coordinate Location and Power Needs For New A/C Unit.
- All Wet Proof Exterior Electrical Fixtures and Outlets to be Installed in Waterproofed Electrical Boxes and Conduit Placed in Waterproofed Openings.
- All Exterior Wall Mounted Fixtures to be Updated
- Update All Recessed Lighting to be L.E.D.



LIGHTING PLAN

Scale: 1/4" = 1'-0"



POWER PLAN

Scale: 1/4" = 1'-0"

DISCLAIMER

PLEASE NOTE:  
All images, renderings, 3D illustrations, videos, floor plans, dimensions and measurements are shown for illustrative purposes only and may contain items, options, upgrades and features that are not included in your Scope of Work. These renderings and/or images are intended to assist in visualizing your project ONLY. Certain images/items may, or may not be present and may, or may not be included in your final rendition of the Scope of Work for your project. Any questions pertaining to your specific inclusions or exclusions should be brought forth PRIOR to signing your Builder Agreement and Scope of Work.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Harrah  
Renovation/ Addition  
7002 N. 40th St.  
Paradise Valley, AZ

5	8/3/18 JM
△	7/10/18 JM
△	6/26/18 JM
△	06-12-18 E.P.
△	06-31-18 E.P.
issuance / revisions	

drawn by	MD
reviewed by	ES
date	5-16-18
project #	Harrah
drawing name	

Power Plan  
Lighting Plan

sheet number

8

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Overview

The A19 LED bulb delivers up to 1,100 lumens of 2700K, 3000K, 4000K and 5000K light while consuming up to 88% less energy than the incandescent bulbs they replace. The A19 is instant-on, compatible with most standard incandescent dimmers, and is ENERGY STAR® certified.

Specs & Variations

NAME	WATTAGE EQUIVALENT	SERIES	CCT	VOLTAGE	BASE TYPE	CRI	PACKAGING OPTIONS
A19	40W 40 Watt (460 lumens) 60W 60 Watt (815 lumens) 75W 75 Watt (1,100 lumens)	P1 Professional Series 1st Generation	27K 2700K 30K 3000K 40K 4000K (60W Only) 50K 5000K	Blank 120 Volt	E26 E26 (screw base)	Blank 90+ CRI	U1 Single-Lamp Carton Master Carton = 12 Single-Lamps
CREE LED LIGHTING							

LAMPS PLUS  
THE NATION'S LARGEST LIGHTING RETAILER

MOST POPULAR

Possini Euro Xane Bronze Dark Sky 11" Wide  
Wall Sconce - Style # P5936

★★★★★ 8 Reviews | 7 Questions, 17 Answers

OTHER OPTIONS



Quantity	Fixture Brand	Watts/Lumens	Kelvin
3	Lamps Plus Possini Euro Xane (Bronze) Style P5936	40/460	2700K