



1 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

2 ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

ITEM #	QTY	DESCRIPTION	MANUFACTURE	MODEL	VOLT	PHASE	LOAD (A)	ELEC. HEIGHT	REMARKS
100	1	10-BURNER W/ DBL CONVECTION OVEN	SOUTHBEND	S60AA	115	1	5.9	18" AFF	2 OUTLETS
102	1	TILTING SKILLET BRAISING PAN	SOUTHBEND	BGLM-40	120	1	2	18" AFF	
103	1	KETTLE TILTING	SOUTHBEND	KGCT-12	120	1	2	18" AFF	
104	1	EXISTING 2-DOOR REF.			120	1	2	18" AFF	PLUG DIRECT CONN.
105	1	MIXER	GLOBE	SP40	220	1	12	18" AFF	
110	1	BLENDER		120/208	1	13.8	18" AFF		
EGP1	5	GENERAL PURPOSE DUPLEX			120	1	10.0	48" AFF	
EGP2	2	GENERAL PURPOSE DUPLEX			120	1	10.0	FLOOR	

ELECTRICAL SYMBOLS	
	120V-20 AMP SIMPLEX RECEPTACLE - GFC HORIZONTAL
	120V-20 AMP DUPLEX RECEPTACLE - GFC HORIZONTAL
	120VOLT - 30 AMP QUAD OUTLET
	SPECIAL RECEPTACLE - 120 VOLT
	SPECIAL RECEPTACLE - 208/240 VOLT
	220V-12 AMP- CONDUIT CONNECTION
	WATERIGHT FLUSH FLOOR DUPLEX - 20 AMP - GFC
	JUNCTION BOX
	PANEL-CIRCUIT NUMBER
	SWITCH
	VOLTS
	AMPS
	ABOVE FINISH FLOOR
	NIGHT LIGHT

ELECTRICAL SPECIFICATIONS	
1.1	WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE RULES, REGULATIONS AND ORDINANCES.
2.1	PROVIDE PROPER GROUNDING FOR ALL EQUIPMENT, RACEWAYS, ETC.
3.1	ALL DISCONNECTS, FIXTURES AND OTHER ELECTRICAL COMPONENTS SUBJECT TO THE WEATHER MUST HAVE WEATHERPROOF ENCLOSURES.
4.1	ALL ROUGH-IN LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING PROPER LOCATION.
5.1	PROVIDE DISCONNECTS, FUSES, OVER CURRENT PROTECTION, AND CONTROL AND POWER WIRING. CHORDS AND PLUGS TO ALL EQUIPMENT INCLUDED AS PART OF THIS PROJECT. IF REQUIRED FOR PROPER OPERATION BUT NOT PROVIDED BY THE EQUIPMENT MANUFACTURER, EQUIPMENT SHALL INCLUDE ALL HVAC, EXHAUST FANS, HOODS, KITCHEN EQUIPMENT, MEDICAL EQUIPMENT AND ANY SPECIAL EQUIPMENT SHOWN AS A PART OF THE PROJECT.
6.1	CONDUCTORS: a. USE THWN #12 MINIMUM, 75° RATING. b. FOR HOME RUNS OVER 45 FEET, USE ONE SIZE LARGER WIRE. c. FOR HOME RUNS OVER 115 FEET, USE TWO SIZES LARGER WIRE. d. ALUMINUM CONDUCTORS ARE NOT ALLOWED.
7.1	CONDUIT: a. USE RIGID OR EMT AS ALLOWED BY CODE. b. ALL CONDUITS EXPOSED TO THE ELEMENTS OR BURIED UNDERGROUND SHALL BE WRAPPED WITH SCOTCH 51 TAPE OR EQUAL. c. MC TYPE PREWIRED FLEXIBLE CABLE SHALL BE PERMITTED IN ALL WALLS AND CEILING AS PERMITTED BY CODE AND LOCAL BUILDING OFFICIALS.
8.1	OVER CURRENT PROTECTION: a. CIRCUIT BREAKERS THAT ARE TO BE USED TO PROTECT LIGHTING CIRCUITS ARE TO BE RATED FOR SWITCHING DUTY. b. PROVIDE LOCK-ON DEVICES FOR NIGHT LIGHT, EMERGENCY AND EXIT LIGHT CIRCUITS. c. ALL RECEPTACLES AND FIXED EQUIPMENT WITHIN AREA OF WET LOCATION NEED GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION PER NEC 517.20.

- ### GENERAL NOTES
- SEE ELECTRICAL SPECIFICATIONS THIS SHEET FOR IMPORTANT INFORMATION RELATING TO BUILDING CODES, CITY ORDINANCES, MATERIALS AND METHODS.
 - VERIFY LIGHTING, AIR SUPPLY AND AIR RETURN LOCATION WITH CONTRACTOR PRIOR TO INSTALLATION.
 - REFER TO THIS SHEET FOR LIGHT FIXTURE SCHEDULE.
 - SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION AND MOUNTING HEIGHTS OF LIGHT FIXTURES.
 - ALL WORK AND MATERIALS SHALL BE BY THE ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
 - MC CABLE ONLY PERMITTED FOR LIGHT WHIPS. ALL OTHER TO BE EMT CONDUIT IN CEILING AND WALLS - RIGID CONDUIT UNDER SLAB.
 - PROVIDE JUNCTION BOXES AT LIGHT FIXTURES PER MANUFACTURERS REQUIREMENTS. (TYPICAL FOR ALL LIGHTING FIXTURES)
 - CONTRACTOR SHALL VISIT SITE AND FIELD VERIFY DISTANCE AND ROUTING OF CONDUIT.
 - ALL CONDUCTORS ARE COPPER, 600V, XHHW-2 OR THWN-2, 90 DEGREES RATED, EXCEPT WHERE NOTED.
 - ALL EMERGENCY AND EXIT LIGHTS TO BE CONNECTED BEFORE CIRCUIT.

- ### KEYED NOTES
- VERIFY THAT EXISTING HOOD EXHAUST FAN IS CONNECTED AND OPERABLE.
 - EXISTING ELECTRICAL TO REMAIN.

LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NO.	WATT	COLOR TEMP	REMARKS	
EMX	CREE SECURITY	EXDMBRWH	11		EXIT/ EMERGENCY LIGHT	
	LSI	LPRXRUBWHL11R	(2) 11LED			
	HERMITAGE	90902167	(2) 11LED			
	VAOPTO ENERGYWISE	VO-EMX-R1 EWCCR	2 3000	5000		
G1	CREE	FP24-40L-40K-10V				
	SECURITY	ELFP22LED40UE	45W	4000	DESIGNED FOR 50 FC	
	LSI	VO-PL-2NW4-60	60W	4100		
	VAOPTO ENERGYWISE	EWMLFP22EP5041	50W	4100		

Submitted for Permitting
Date: 2.2.18
No. 1
By: [Signature]
Checked: SB
Scale: AS NOTED
Date: 1.30.18

GOVINDA
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PROJECT: GOVINDAS 36600 GRAND RIVER AVE. FARMINGTON HILLS, MI 48335
SHEET TITLE: ELECTRICAL POWER PLAN/ ELECTRICAL LIGHTING PLAN

DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY.
JOB # **TG-18502**
SHEET **E-1**

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