

ELECTRICAL LIGHTING SCHEDULE (OR EQUAL. VERIFY ALL SELECTIONS AND FINISHES WITH OWNER OR ARCHITECT PRIOR TO ORDERING).								
FIXTURE TYPE	MANUFACTURER		VOLT AMPS	MOUNTING	LAMP TYPE	REMARKS	VOLT	REMARKS
	NAME	CATALOG NUMBER						
A	WILLIAMS	76-4-L53/840-WG-7611-DR-120	36	SURFACE	36 WATT, 4000K, 5,300 LUMEN LED	4'-0" LONG LED STRIP FIXTURE.	120	1
B	WILLIAMS	77 SERIES	64	PENDANT	TWO (2) 32 WATT 48" TB LINEAR FLUORESCENT.	4'-0" LONG SPECIFICATION-GRADE STRIP FIXTURE. CHAIN MOUNT FROM CEILING AT 8-6" A.F.F. ALL PARTS PAINTED WHITE AFTER FABRICATION. ELECTRONIC BALLAST.	120	1
C	WILLIAMS	H60 SERIES	72	RECESSED	L64/840 LUMEN PACKAGE, 80 CRI, 72 WATTS	6" ROUND APERTURE RECESSED LED DOWNLIGHT. SELF-FLANGED, SEMI-SPECULAR LOW IRIDESCENT ALUMINUM REFLECTOR. MEDIUM DISTRIBUTION.	120	1,2
D	DUAL-LITE	PG SERIES	5	WALL	ONE (1) 5 WATT LED ARRAY.	EMERGENCY LIGHT, WET LOCATION, LED, DIE-CAST ALUMINUM WET LOCATION LISTED EMERGENCY LIGHTING UNIT FOR INDOOR/OUTDOOR INSTALLATION FEATURING LONG-LIFE, HIGH-OUTPUT LEDS. FINISH DARK BRONZE. MAINTENANCE-FREE NICKEL-CADMIUM BATTERY FOR 90 MINUTE OPERATION OF LAMPS. FULLY AUTOMATIC, SOLID-STATE CHARGER WITH TEST SWITCH AND AC-ON LIGHT. PROVIDE BATTERY HEATER FOR COLD TEMPERATURE OPERATION.	120	1
X	DUAL-LITE	LT SERIES	5	WALL	TOTAL POWER CONSUMPTION: 5.25 WATTS.	COMBINATION EMERGENCY LIGHTING UNIT / EXIT LIGHT. UV-STABLE THERMOPLASTIC HOUSING, FINISH WHITE. ADJUSTABLE EYEBALL STYLE LIGHTING HEADS WITH GLASS LENS FOR EMERGENCY LIGHT. EXIT SIGN TO HAVE RED LETTERS WITH DIRECTIONAL ARROWS AS INDICATED ON THE PLANS. MAINTENANCE-FREE NICKEL-CADMIUM BATTERY FOR 90 MINUTE OPERATION OF LAMPS AND EXIT SIGN. FULLY AUTOMATIC, SOLID-STATE CHARGER WITH TEST SWITCH AND AC-ON LIGHT.	120	1
					EMERGENCY: TWO (2) 5 WATT MR-16 HALOGEN.			
					EXIT: FOUR (4) HIGH-OUTPUT LEDS.			
S1	WILLIAMS	VWVP-L60-730-TFT-CGL-CD-120	70	WALL	558 WATT, 4000K, 70 CRI LED	WALL ARM MOUNT AREA LED LIGHT. EXTRUDED ALUMINUM DRIVER ENCLOSURE THERMALLY ISOLATED FROM LED SQUARES. DIE CAST ALUMINUM END CAPS ENCLOSE HOUSING AND DIE-CAST ALUMINUM HEAT SINKS. IP66 RATED. HIGH-EFFICIENCY, INJECTION MOLDED ACCUELED OPTICS. LOW TEMP STARTING BALLAST. STANDARD POWDER COAT FINISH - COORDINATE EXACT COLOR WITH ARCHITECT.	120	1
S2	EATON MCGRAW EDISON	GLEON-AF-01-LED-E1-SL4-HSS	60	POLE	279 WATT, 4000K, 70 CRI LED	POLE MOUNT AREA LED LIGHT. EXTRUDED ALUMINUM DRIVER ENCLOSURE THERMALLY ISOLATED FROM LED SQUARES. DIE CAST ALUMINUM END CAPS ENCLOSE HOUSING AND DIE-CAST ALUMINUM HEAT SINKS. IP66 RATED. HIGH-EFFICIENCY, INJECTION MOLDED ACCUELED OPTICS. LOW TEMP STARTING BALLAST. 12" EXTRUDED ALUMINUM MOUNTING ARM. STANDARD POWDER COAT FINISH - COORDINATE EXACT COLOR WITH ARCHITECT. HEIGHT OF FIXTURE AND POLE TO BE NOT GRETER THAN 10'-0".	120	1,3
S3	WILLIAMS	WAVR2-1-26Q-G24Q3-RC-0-120	26	WALL	26 WATT, CFL	ROUND WALL SCONCE - COORDINATE EXACT COLOR WITH ARCHITECT.	120	1
<u>REMARKS:</u> 1. FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS. 2. WHERE FIXTURE IS LABELED "EM", PROVIDE WITH 90 MINUTE EMERGENCY BALLAST. 3. POLE SHALL BE 4" SHAFT, 0.120" WALL THICKNESS, WITH HAND HOLE, GROUND LUG AND FULL BASE COVER. <u>GENERAL NOTES (APPLICABLE TO ALL FIXTURES):</u> 1) ALL FIXTURES UTILIZING LINEAR FLUORESCENT LAMPS SHALL COMPLY WITH NEC 410.130(G) REQUIREMENTS FOR DISCONNECTING MEANS. CONTRACTOR SHALL SUPPLY SAME IF NOT STANDARD ON FIXTURE. 2) ALL BALLASTS FOR FLUORESCENT FIXTURES SHALL BE ELECTRONIC PROGRAMMED START.								

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
12/03/2024



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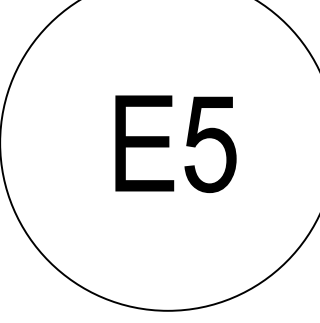
JSC ENGINEERS

DOUGLAS CORNER
LOT 1B, LEE'S SUMMIT, MISSOURI 64066

This drawing has been provided as an informational tool only. It is intended for use by the architect and engineer for the purpose of obtaining a permit. It is not to be used for construction. The design professional has performed all the required voltage drop calculations for all branch circuits and feeders per the National Electrical Code, Article 210.19(A)(1) FPN NO. 4.

REV#	DATE	DESCRIPTION
1	09/07/23	CITY COMMENTS
2	11/01/23	FINE SERVICE ENTRY
3	12/03/24	FIELD CHANGES
PERMIT SET: 08-11-2023		
JSC PROJECT# 18-142		

ELECTRICAL SCHEDULES AND SINGLE LINE DIAGRAM

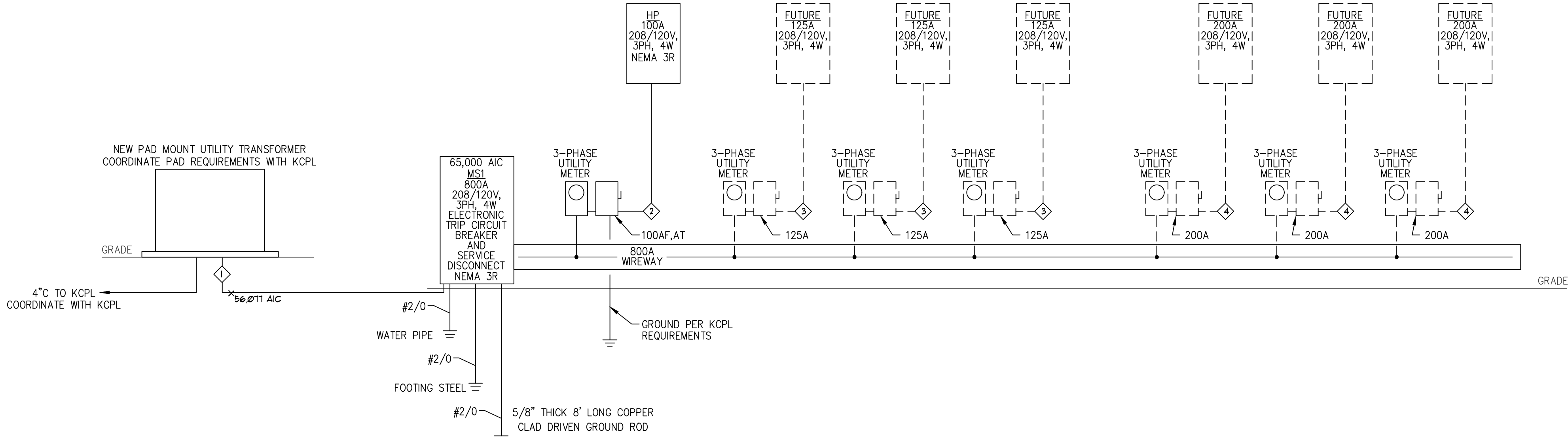


PANEL:				HP				VOLTAGE: 208/120V				3PH, 4W				CIRCUIT CODES: 1=(CONTINUOUS LOAD)											
LOCATION:				ELECTRICAL ROOM				BUS: 100 AMPS								2=(NON-CONTINUOUS LOAD)											
SHEET/1 LINE:				E3/E5				MAIN: M.L.O.								3=(RECEPTACLES)											
AIC RATING:				18,000				MOUNTING: SURFACE								4=(KIT CHEN EQUIPMENT)											
CKT NO	CODE	TRIP	CB	LOAD DESIGNATION	MISC REC	REC LITE	LOAD				PHASES				LOAD	MISC REC	LOAD DESIGNATION	CB	CKT NO								
							VA	A	B	C	VA	LITE	REC	MISC						DESCRIPTION	POLE	CODE	NO				
1	3	20	1	GENERAL OUTLETS			360	700	111111	111111			340			OUTDOOR POLE/FLOOD LIGHTS*	1	20	1	2							
3	3	20	1	GENERAL OUTLETS			360	111111	1538	111111	1178					OUTDOOR FLOOD/DOWNLIGHTS*	1	20	1	4							
5	2	20	1	OUTDOOR TENANT SIGN *			1000	111111	111111	1890	890					OUTDOOR FLOOD/DOWNLIGHTS*	1	20	1	6							
7	1	20	1	OUTDOOR TENANT SIGN *			1000	2000	111111	111111	1000					OUTDOOR TENANT SIGN *	1	20	1	8							
9	1	20	1	OUTDOOR TENANT SIGN *			1000	111111	2000	111111	1000					OUTDOOR TENANT SIGN *	1	20	1	10							
11	1	20	1	OUTDOOR TENANT SIGN *			1000	111111	2000	1000						OUTDOOR TENANT SIGN *	1	20	1	12							
13	2			SPACE			288	111111	111111	288						UH-2	1	20	2	14							
15	2			SPACE			111111	288	111111	288						UH-1	1	20	2	16							
17	2			SPACE			111111	111111	1417	1417						INDOOR LIGHTS	1	20	1	18							
19	2			SPACE			0	111111	111111							SPARE	1	20	2	20							
21	2			SPACE			111111	0	111111							SPARE	1	20	2	22							
23	2			SPACE			111111	111111	0							SPARE	1	20	2	24							
25	2			SPACE			0	111111	111111							SPARE	1	20	2	26							
27	2			SPACE			111111	0	111111							SPACE	2	28									
29	2			SPACE			111111	111111	0							SPACE	2	30									
31	2			SPACE			0	111111	111111							SPACE	2	32									
33	2	20		GP-1			1560	111111	1560	111111						SPACE	2	34									
35	2		2	/			1560	111111	111111	1560						SPACE	2	36									
37	2	20		EUH-1			1000	1000	111111	111111						SPACE	2	38									
39	2			/			1000	111111	1000	111111						SPACE	2	40									
41	2	3	/	/			1000	111111	111111	1000						SPACE	2	42									
TOTAL																3988	6386	7867					CONNECTED KVA	18.2			
																				CONNECTED KVA (CODE 1)	9.8						
																				CONNECTED KVA (CODE 2)	7.7						
																				CONNECTED KVA (CODE 3)	0.7						
																				CONNECTED KVA (CODE 4)	0.0						
																				FEDDER DEMAND KVA	20.7						
																				FEDDER DEMAND AMPS	57.4						
JOB NAME:				DOUGLAS CORNER																							
ISSUE DATE:				10/16/2018																							

PANEL SCHEDULE

SCALE : NO SCALE

2



ELECTRICAL SINGLE LINE DIAGRAM

SCALE : NO SCALE

1

FEEDER SCHEDULE	
FEEDER NUMBER	CONDUIT AND CONDUCTOR SIZES
3	(3) 3" W/4 #500MCM AL
4	(1) 1 1/4" W/4 #3 & 1 #8 GND
5	FUTURE 125A FEEDER
6	FUTURE 200A FEEDER

THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER THE NATIONAL ELECTRICAL CODE, ARTICLE 210.19(A)(1) FPN NO. 4.

THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AIC RATING INDICATED FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.

EQUIPMENT FAULT CURRENT RATING SCHEDULE			
EQUIPMENT	SCA **	SCCR	NOTES
SERVICE DISC.	50,559	65,000	1,2
PANELBOARD HP	14,053	18,000	1,2

NOTES:
1. RATING BASED ON AN ASSUMED FAULT AT UTILITY CO. TRANSFORMER OF 56,077 AIC.
2. EQUIPMENT MAY BE SERIES RATED.
** CALCULATIONS PERFORMED USING BUSSMANN POINT-TO-POINT METHOD.