FIXTURE SCHEDULE

MAR	TYPE	VOL	WATT	LAM	BRAND & CATALOG
L1	SURFACE MOUNTED LED VAPOR TIGHT 8 FOOT, SEE NOTE 2.	120	92	LED 4000K 7752 LUMENS	G&G WPX8-HO-40K
L2	SURFACE MOUNTED LED VAPOR TIGHT 4 FOOT, SEE NOTE 2.	120	46	LED 4000K 3852 LUMENS	G&G WPX4-HO-40K
L3	CEILING MOUNTED INDOOR WRAP 4 FOOT (SOME WILL REQUIRE BATTERY POWER)	120	41	LED 4000K 4600 LUMENS	LITHONIA LBL4-40L-EOHN-LP840 ADD EL7L FOR EMERGENCY
L4	WALL MOUNTED EXTERIOR ABOVE DOOR WALL PACK W/EMERGENCY POWER .	120	13	LED 4000K 3000 LUMENS	LITHONIA WST-LED-P2-40K-120-DDBXD ADD E7WC FOR EMERGENCY
L5	RECESSED ROUND WET LOCATION DOWN LIGHT INSTALLED BY SIGN CO. .	120	.	LE 4000K 3000 LUMENS	PROVIDED BY SIGN MANUFACTURER . .
S1	WALL MOUNTED SIGN LIGHT PROVIDED BY SIGN MANUFACTURER INSTALLED BY SIGN CO.	120	.	LED . .	PROVIDED BY SIGN MANUFACTURER . .
S2	BRANDED BUILDING MOUNTED SCONCE PROVIDED BY SIGN MANUFACTURER INSTALLED BY SIGN CO.	120	.	LED . .	PROVIDED BY SIGN MANUFACTURER . .
S3	LIGHT BAR PROVIDED BY SIGN MANUFACTURER INSTALLED BY SIGN CO.	120	.	LED	PROVIDED BY SIGN MANUFACTURER
EX	EXIT SIGN, BATTERY PROVIDED . .	120	5	LED . .	LITHONIA LQM-S-W-3-G-120/277-EL-N-SD .
EM	EMERGENCY LIGHT W/BATTERY PACK . .	120	5	LED . .	LITHONIA ELMLT-W-LP03VS-LTP-SD .

NOTES
1. ALL FIXTURE FINISHES TO BE REVIEWED AND APPROVED BY
2. REMOTE POWER SUPPLY FOR THIS FIXTURE TO BE MOUNTED AT LOCATION PER THE MANUFACTURER, OR IN MEZZANINE.

120/240 PANEL "PP"

120/240 VOLT, 1 PHASE, 3 WIRE, 60HZ, 22K — NEMA 1 SURFACE

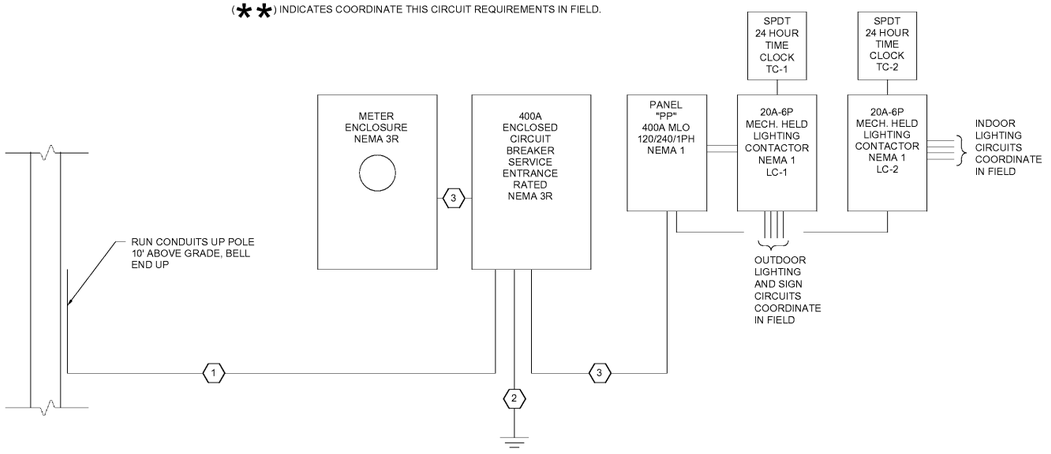
LOCATIO	LOA (WATTS	CIRCUI NUMBE		CIRCUI NUMBE	LOA (WATTS	LOCATIO
			400 AMP ML L1 L2 N G			
RECEPT: SERVICE	360	1	20A	2	360	RECEPT: SERVICE
RECEPT: SERVICE	360	3	20A	4	360	RECEPT: SERVICE
RECEPT: SERVICE	360	5	20A	6	360	RECEPT: SERVICE
LIFT	2880	7	30A	8	800	UNIT HEATERS
↓	2880	9		10	2880	LIFT
LIFT	2880	11	30A	12	2880	↓
↓	2880	13		14	2880	LIFT
LIFT	2880	15	30A	16	2880	↓
↓	2880	17		18	720	LIFT
RECEPT: DATA/TEL BACKBOARD	360	19	20A	20		↓
RECEPT: EXTERIOR & AHU-1	900	21	20A	22	1200	RECEPT: TIRE CHANGER
RECEPT: TIRE BALANCER	1200	23	20A	24	1200	↓
↓	1200	25	20A	26	900	BRAKE LATHE
AIR COMPRESSOR	3360	27	60A	28	900	↓
↓	3360	29		30	360	RECEPT: WORK BENCH - SERVICE
REC: FLOOR	360	31	20A	32	720	RECEPT: TOIL. BRK RM. CORR. TOIL.
RECEPT: BREAK	180	33	20A	34	180	RECEPT: BREAK
RECEPT: BREAK REFRIGERATOR	600	35	20A	36	720	RECEPT: MANAGER
SPARE		37	20A	38	360	RECEPT: WATER COOLERS
RECEPT: SERVICE DESK	360	39	20A	40	180	RECEPT: SERVICE DESK OIL CHANGE
RECEPT: SERVICE DESK OIL CHANGE			20A	42	180	RECEPT: SERVICE DESK OIL CHANGE
RECEPT: OIL CHANGE	540	43	20A	44	540	RECEPT: OIL CHANGE
RECEPT: PIT	540	45	20A	46	180	RECEPT: PIT
RECEPT: PIT	180	47	20A	48	540	RECEPT: PIT
LIGHTING: SERVICE	1656	49	20A	50	700	LIGHTING: SER. WRITING, BREAK.,MEZZ. *
LIGHTING: OIL CHANGE	736	51	20A	52	552	LIGHTING: PIT *
SPARE		53	20A	54	1350	LIGHTING: SIGN *
LIGHTING: WALL SCONCES	400	55	20A	56	5800	AHU-1
HP-1	1450	57	30A	58	5800	↓
↓	1450	59		60	2000	WATER HEATER EWH-1
SPARE		61	20A	62	2000	↓
RECEPT: PIT SUMP PUMP	180	63	20A	64	1200	MONUMENTAL SIGN * **
EF-2, OIL CHANGE AREA	830	65	20A	66	1200	↓
↓	830	67		68	180	RECEPT: MONUMENTAL SIGN *
SPARE		69	20A	70	81	EF-1, RESTROOMS
↓		71	20A	72	180	RECEPT: ALIGNMENT
LANDSCAPE CONTROLLER	180	73	20A	74		SPARE
SPARE	.	75	20A	76	1350	LIGHTING: SIGN *
SPARE	.	77	20A	78	1350	LIGHTING: SIGN *
SPARE	.	79	20A	80		SPARE
SPARE	.	81	20A	82	.	SPARE
SPARE	.	83	20A	84	.	SPARE

TOTAL CONNECTED 90 KW — ALL BRANCH BREAKERS SIZED AS

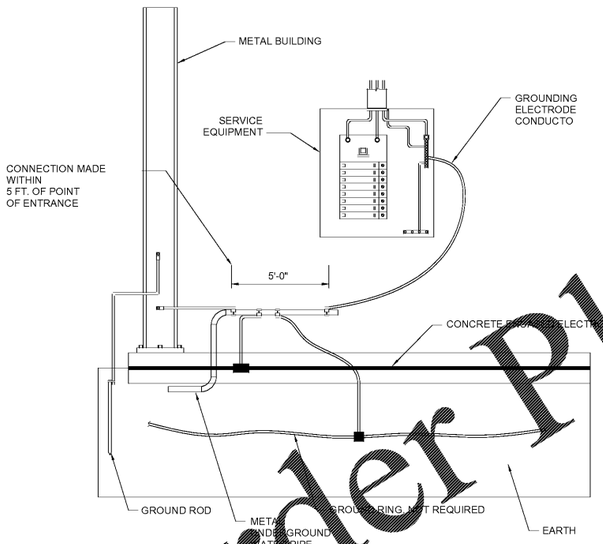
PANEL AS

(*) INDICATES PROVIDE TIME CLOCK/CONTACTOR CONTROL OF THESE CIRCUITS.

(**) INDICATES COORDINATE THIS CIRCUIT REQUIREMENTS IN FIELD.



RISER DIAGRAM — 1/8" = 1'-0" (1)



SERVICE ENTRANCE GROUNDING DETAIL

SCALE:

NOTE:
PER NEC ARTICLE 250 SECTION III 250.50 ALL GROUNDING ELECTRODES AS DESCRIBED IN 250.52(A)(1) THROUGH (A)(6) THAT ARE AT EACH BUILDING OR STRUCTURE SERVED SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM. WHERE NONE OF THESE GROUNDING ELECTRODES EXIST, ONE OR MORE OF THE GROUNDING ELECTRODES SPECIFIED IN 250.52(A)(4) THROUGH (A)(7) SHALL BE INSTALLED AND USED.

AVAILABLE FAULT CURRENT CALCULATION BASED ON TYPICAL CALCULATION. CONTRACTOR SHALL OBTAIN ACTUAL FAULT CURRENT FROM TUPELO WATER AND LIGHT SITE ENGINEER AND PROVIDE A LABEL IN ACCORDANCE WITH NEC ARTICLE 110.24. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FURNISHING AND INSTALLING EQUIPMENT WITH HIGHER AIC RATINGS IF THE FAULT CURRENT VALUES OBTAINED FROM TUPELO WATER AND LIGHT ARE HIGHER THAN WHAT IS INDICATED ON THE DRAWINGS.

RISER FEEDER SCHEDULE

FEEDER NUMBER	FEEDER CONDUCTOR	FEEDER CONDUIT SIZE
1	(2) EACH 3-250 MCM - ALUMINUM	(2) EACH 4"
2	#3/0 ALUMINUM GROUNDING ELECTRODE CONDUCTOR SEE GROUNDING DETAIL THIS DRAWING.	N/A
3	(2) EACH 3-250 MCM, & 1 #3/0 GND. - ALUMINUM	(2) EACH 4"

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GEORGIA REGISTERED No. PE041655 PROFESSIONAL ENGINEER ARNT VARGHESE
03/29/17
GSE CONSULTING ENGINEERS

Express Oil Change & Tire Engineers
Single Building Right Hand Oil Change
Augusta, GA

FINAL

No.	Description	Date

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RISER DIAGRAM & SCHEDULES

Project number	16031
Date	03/29/2017
Drawn by	MAH
Checked by	ATV

E002

Scale 12" = 1'-0"

3/29/2017 4:05:33 PM