

NOTIFICATION OF POTENTIAL HAZARD

ASBESTOS CONTAINING MATERIAL (ACM) IS PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. THE CONTRACTOR SHALL REQUIRE THEIR PERSONNEL AND ALL SUBCONTRACTOR PERSONNEL TO COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO DIVISION 01 AND 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS AND COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

PRELIMINARY ELECTRICAL SERVICE CALCULATION

SQUARE FEET: 14,300 (EACH FLOOR)					
EXISTING PEAK DEMAND FROM UTILITY RECORDS WILL BE UTILIZED PER NEC 220.87 FOR ADDITIONS TO EXISTING LOADS (AND WITH NO CREDIT TAKEN FOR DEMOLISHED LOADS).					
PEAK KWD:	31.2	KW, REPORTED BY OWNER			
ESTIMATED PF:	90.0%				
PEAK KVA:	34.7	KVA			
NEC KVA:	43.3	NEC KVA (125% PEAK KVA)			
ITEMIZED NEW LOADS	QUAN	VA PER UNIT	UNDIV. KVA	N.E.C. FACTOR	KVA LOAD
<b>ELECTRICAL:</b>					
LIGHTING	6	46.2	0.3	1.25	0.3
OUTLETS, NEC 220.14	2	180	0.4	1.00	0.4
<b>NEW MECHANICAL:</b>					
BLR-1 (16FLA, 120V)	1	1920	1.9	1.00	1.9
BLR-2 (16FLA, 120V)	1	1920	1.9	1.00	1.9
PMP-4A (1-1/2HP,480V,3PH)	1	2494	2.5	1.00	2.5
PMP-4B (1-1/2HP,480V,3PH)	1	2494	2.5	1.00	2.5
WELL PUMP (20HP,480V,3PH)	1	22447	22.4	2.00	44.9
TOTAL NEW LOAD			31.9	KVA	54.4 KVA
PLUS 220.87 LOAD			34.7	KVA	43.3 KVA
TOTAL LOAD			66.6	KVA	97.7 KVA
SERVICE PARAMETERS:			480 VOLTS	80 AMPS	118 AMPS
			3 PHASE		
			MINIMUM SYSTEM CAPACITY = 800 Amps		
			AVAILABLE SPARE CAPACITY PER NEC CALCULATION = 85.3%		

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	DRIVER	MOUNTING
Z	LITHONIA ZL1N-L48-5000LM-L/LENS-MVOLT-40K-80CRI-WH 2"X4", STRIPLIGHT, STANDARD DIFFUSE SNAP ON/SNAP OFF LENS, UNIVERSAL VOLTAGE, WHITE PAINT FINISH	LED 4000K	WITH UNIT	PENDENT DOWN FROM STRUCTURE TO 8"-0" AFF NOTE 3
EX	LITHONIA LQM-S-W-G-120/277-ELN LED THERMOPLASTIC EXIT SIGN WITH WHITE HOUSING COLOR, NICKEL-CADMIUM BATTERY, GREEN TEXTURED LETTERS	WITH UNIT	N/A	WALL OVER DOOR OR CEILING AS NOTED
XA	LITHONIA ELM2-LED-HO 2"X10.25", LED LAMP HEAD, EMERGENCY FIXTURE, HIGH OUTPUT, NI-CAD BATTERY FOR 6W REMOTE CAPACITY, WHITE HOUSING	LED	LED DRIVER WITH BATTERY BACKUP	SURFACE WALL AT 7'-6" AFF OR AS SHOWN ON FLOOR PLANS

FIXTURE SCHEDULE NOTES

- REFER TO SPECIFICATION SECTIONS 26 5000 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHT FIXTURES, LAMPS AND DRIVERS.
- PROVIDE AN UNSWITCHED CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO ALL EXIT SIGNS (FIXTURE TYPE EX) AND EMERGENCY LIGHTING FIXTURES (FIXTURE TYPE XA).
- FIXTURE PENDANTS SHALL BE RIGID (THREADED HANGAR RODS) AND SHALL BE SWAY BRACED WHERE PENDANTS EXCEED 24 INCHES IN LENGTH.

CONDUIT AND FEEDER SCHEDULE

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|----|---|
| 8  | 1-1/2" C., 4-#2                           |
| 11 | 2" C., 4-#3/0                             |
| 13 | 3-1/2" C., 4-#350 KCML (AL)               |
| 14 | 4" C., 4-#3/0                             |
| 17 | 2 SETS: 3-1/2" C., 3-#3/0 + 1-#3/0 GROUND |
| 22 | 2 SETS: 4" C., 4-#600 KCML, 1-#1/0 GROUND |
| 23 | 2" C.: 4-#3/0 + 1 #6 GROUND               |
| 24 | 4" C., 4-#600 KCML + 1 #2 GROUND          |
| 27 | 3/4" C., 3-#8 + 1-#10 GROUND              |
| 28 | 1-1/4"C., 4-#2 + 1-#8 GROUND              |

