

June 26, 2014

Mr. William Walsh
Traditions Resort & Casino
4101 Watson Boulevard
Johnson City, NY 13790

RE: Electrical Demand Report for the Traditions Resort & Casino
Delta Project No.: 2014.181.001

Dear Mr. Walsh:

Attached are the electrical load computations for the proposed Casino and Phase II Hotel. These calculations are based on the following.

- Table R260110-14 "Nominal Watts Per S.F. for Electric Systems for Various Building Types;
- Table R260120-20 "Watts Per S.F. for Lighting and Misc. Power by Building Type and Space;
- Table R260120-30 "Watts Per S.F. for Various Systems by Building Type & Climate Zone.

Please feel free to contact me, Don Harris directly at 607-231-6609 with any questions or concerns.

Respectfully,

DELTA ENGINEERS, ARCHITECTS, & LAND SURVEYORS, P.C.



Donald P. Harris
Director of MEP Services

Traditions Casino Preliminary Electrical Calculations - 05/01/2014											
Floor	Space Type	Area	Lighting	Gen Power	HVAC	Kitchen	Data	Security	Watts/Sq. Ft.	Volt-Amps	
5th	Hotel	90,000	1.00	1.61	4.00				6.61	594900.00	
4th	Banquet	8,000	1.60	0.20	4.31				6.11	48880.00	
4th	Restaurant	20,000	1.60	0.20	4.00	1.19			6.99	139800.00	
4th	Retail	10,000	1.50	1.38	4.00				6.88	68800.00	
4th	Administration	38,000	1.00	1.24	1.89				4.13	156940.00	
4th	Atrium	7,000	1.50	0.20	6.00				7.70	53900.00	
3rd	Casino	60,000	2.00	4.33	5.00		0.42	0.56	12.31	738600.00	
3rd	Atrium	7,000	1.50	0.20	6.00				7.70	53900.00	
3rd	Restaurant	23,000	1.60	0.20	4.00	1.19			6.99	160770.00	
2nd	Parking	90,000	0.25						0.25	22500.00	
1st	Parking	90,000	0.25						0.25	22500.00	
Total Area:		443,000 Sq. Ft.							Total Load (VA):	2061490.00	
2483.722892 Amps @ 480V											

Load	Est. Volt-Amps
Lighting:	410600
Gen Power:	478620
HVAC:	1062300
Kitchen:	51170
Data:	25200
Security:	33600

Floor	Volt-Amps Per Floor	Amps @ 480V Per Floor
5th Floor	594900.00	716.746988
4th Floor	468320.00	564.2409639
3rd Floor	953270.00	1148.518072
2nd Floor	22500.00	27.10843373
1st Floor	22500.00	27.10843373