



DEPARTMENT OF ELECTRICAL
AND COMPUTER ENGINEERING

ENEL 674: Industrial and Commercial Power Systems

Group – 10

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Item	Recommendation from Milestone 2	Summarize the impact of the Stage 2 recommendation on the following. (Use N/A if there is no impact)							
		Normal Power SLD	Emergency Power SLD	Lighting Layout drawing	Luminaire Schedule	Power Layout drawing	Mechanical Schedule	Panel Schedule(s)	Service Sizing calculation
Inclusion of UPS equipment	N+1 configuration for backup power in some electrical load	Added in the drawing	Added in the drawing	N/A	N/A	Added in the layout drawing	N/A	In Panel B	N/A
Generator type, location, sizing	100kW generator located outside the building	N/A	N/A	N/A	N/A	Added outside the building	N/A	N/A	N/A
Distribution options for the site	Radial system with Primary Selectivity	Added in the drawing	Added in the drawing	N/A	N/A	N/A	N/A	N/A	N/A
Renewable Energy or alternative sources	500 kW solar panel	Added in the drawing	Added in the drawing	N/A	N/A	Added in a cloud outside the building	N/A	N/A	N/A
Zero Carbon initiatives	EV Charging	1.5kW charging station	1.5kW charging station for e-scooters	N/A	N/A	Added in a cloud outside the building	Added 1.5KW load for the EV charging station	Fed from Panel C	N/A
Consideration of future technologies	Occupancy Sensors, Motion Sensors, Air Quality Sensors	N/A	N/A	N/A	N/A	Added in a cloud outside the building	N/A	Can feed new loads from panel C	N/A