A logo for a company

Description automatically generated

**ENEL 674: Industrial and Commercial Power Systems**

**Group – 10**

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| Name | UCID |
| Arfa Islam | 30224398 |
| Fahim Md Saharear | 30223055 |
| Md Imran Hossain | 30218856 |
| Muntasir Chowdhury | 30226347 |
| Nabil Ahmed | 30154778 |
| S M Zahid Hassan Shuvo | 30230774 |

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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 |