**Project Name:**

**Project job #:**

**Type of Project:**

**Date:**

| Description | Need to correct  | Reviewed by project manager(initials) | QAQCinitials  | Comments |
| --- | --- | --- | --- | --- |
| **FRONT SHEET** |  |  |  |  |
| Updated Symbols  |  |  |  |  |
| Sheet Index |  |  |  |  |
| Scope of work |  |  |  |  |
| CODES related dates |  |  |  |  |
| **LOAD CACULATION**  |  |  |  |  |
| Verify the wattage of appliance such as range, dryer are correct |  |  |  |  |
| Ensure to add EV schedules in load calculation, and power site plan sheets |  |  |  |  |
| Ensure the effective date(July 1st) |  |  |  |  |
| Verify the voltage, amperage are matched with SLD |  |  |  |  |
| **SLD**  |  |  |  |  |
| Ensure the elevation of switchgear layout, SLD, and electrical room layout are consistent with one another. |  |  |  |  |
| Indicate motor starters and disconnect switches sizes  |  |  |  |  |
| Verify total connected loads on SLD  |  |  |  |  |
| Verify overall VD% does not exceed 3% for feeders CEC 215.2 |  |  |  |  |
| Coordinate with the solar team to determine whether the connection point is on the load side or line side.For load-side connections, verify the bus size.For line-side connections, ensure the solar is positioned ahead of the main |  |  |  |  |
| Review feeder schedules to ensure the feeders and grounding are correctly sized. |  |  |  |  |
| Upsize the grounding conductor to account for voltage drop per 250.122(B). |  |  |  |  |
| Review the SLD General Notes and Key Notes to ensure they align with Gouvis standard notes. |  |  |  |  |
| Ensure the phasing is correct. AB-BC-AC |  |  |  |  |
| Coordinate with utility consultant to make sure the SLD is matched with utility plans |  |  |  |  |
| Issue the load calculation and SLD to the utility consultant, and confirm that the utility plans are consistent with the electrical plans. |  |  |  |  |
| Ensure that the switchgear is specified as freestanding rather than wall-mounted per utility standard |  |  |  |  |
| Coordinate with the architect or client to determine whether feeders should be PVC, EMT, or SER |  |  |  |  |
| Add the respective note if series-rated equipment is required |  |  |  |  |
| **PANEL SCHEDULES** |  |  |  |  |
| Ensure panel amp and voltage match SLD. |  |  |  |  |
| Verify the Surface or recessed mount |  |  |  |  |
| Verify the AIC rating |  |  |  |  |
| Verify the Nema ration |  |  |  |  |
| Verify GFCI, AFCI, Surge protection are shown  |  |  |  |  |
| Ensure the wire size are correct |  |  |  |  |
| Coordinate with the landscape plans to ensure power is provided for all landscape loads.  |  |  |  |  |
| **ELECTRICAL ROOM** |  |  |  |  |
| Collaborate with the architect to ensure adequate space for the electrical room |  |  |  |  |
| Review with architect/solar team and verify if there is sufficient room for solar disconnect/Solar Meter at electrical room |  |  |  |  |
| Ensure the size of the electrical room matches the elevation of the switchgear layout and SLD. |  |  |  |  |
| Ensure the dimensions of electrical equipment are shown in the layout. |  |  |  |  |
| **LIGHT SITE PLAN** |  |  |  |  |
| Coordinate with landscape to make sure there is no conflict between trees and pole lights |  |  |  |  |
| Include site lighting with a fixture schedule and provide fixture cut sheets.Coordinate with the client to confirm the type of light fixtures to be used. |  |  |  |  |
| Ensure the site lighting fixtures complies with BUG rating, providing BUG rating chart. |  |  |  |  |
| Ensure the voltage drop of site lights is below 3%. |  |  |  |  |
| Show the VD% and wire size for each home run. |  |  |  |  |
| Add pole base details |  |  |  |  |
| Provide photometric lighting plans ensure they comply with code. |  |  |  |  |
| Ensure to provide lighting control and respective note |  |  |  |  |
| **LIGHTING PLANS** |  |  |  |  |
| Ensure the fixture schedule and light fixture cut sheets are added. |  |  |  |  |
| ensure the recessed light is IC rated if ceiling is insulated |  |  |  |  |
| Coordinate the type of lighting with Arch and client  |  |  |  |  |
| Provide egress photometric lighting plans insure they comply with code. |  |  |  |  |
| Ensure to show the exit signs  |  |  |  |  |
| Ensure the exit signs and the emergency backup are connected to unswitched hot wire  |  |  |  |  |
| If a generator or inverter is provided, ensure that the exit signs is connected to separate circuits: one for normal power and one for the generator/inverter. |  |  |  |  |
| **POWER PLANS** |  |  |  |  |
| Review location of electrical switchboard and meters. if located outside verify how the feeders will be routed out of equipment in to building |  |  |  |  |
| Ensure to show the soffit for SER feeders. Coordinate with architect. |  |  |  |  |
| Ensure the routing of the feeders to the units is reviewed and coordinated with the architect. |  |  |  |  |
| Verify location or receptacle per 210.52  |  |  |  |  |
| Ensure that the circuiting aligns with the panel schedule. |  |  |  |  |
| Review power circuiting voltage drop. Feeders Shall not be greater than 3% |  |  |  |  |
| Verify HVAC equipment is indicated on plans per Mechanical plans |  |  |  |  |
| Notify the client to add a transformer for the elevator if AIS exceeds 5K. |  |  |  |  |
| Verify if there is a receptacle within 25’ on the roof space for equipment service. |  |  |  |  |
| Review with architect and verify that electrical rooms has sufficient space. |  |  |  |  |
| Review with architect/solar team and verify if there is sufficient room for solar disconnect/Solar Meter |  |  |  |  |
| Verify circuit breaker and disconnect for elevator motor are sized per 430.250 |  |  |  |  |
| Coordinate with MP team to ensure electrical plans include power for MP loads. |  |  |  |  |
| **UNITS** |  |  |  |  |
| Verify the spacing of general receptacle to comply CEC 210.52 |  |  |  |  |
| Verify counter receptacle spacing per CEC210.52 |  |  |  |  |
| Verify location of unit subpanel.  |  |  |  |  |
| Coordinates with MP team to avoid any conflict  |  |  |  |  |
| Review lighting with arch or client standards. |  |  |  |  |
| Coordinate with MECH plans for unit location and loadsReview the fan schedule if fan has humidity sensor provide wiring diagram |  |  |  |  |
| Coordinate with plumping plans. |  |  |  |  |
| Ensure the low voltage room (MPOE, IDF) is provided |  |  |  |  |