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Gear Takeoff
Cheat Sheet and Prompts

Benefits

- Respond to RFQs faster.
- Make adjustments quicker.
- Reduce stress for you and your contractor.
- Collaborate on customers documents/drawings.
- Catch things your contractor misses.

Real-World Results

"AECInspire has completely streamlined my workflow when it comes to Gear Quotations. The platform is easy to use, and both the IQ Inspired Query and Inspired Search are intuitive tools that make a huge difference. IQ Inspired Query quickly breaks down and analyzes jobs of any size, providing a solid foundation for accurate quotations. On top of that, the ability to process spec pages in minutes saves me hours of manual review and allows me to focus on the more important aspects of my job."

— Nestor Ramirez
Quotations Specialist | Graybar

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Gear **Prompts**

Copy the entire prompt and save as a **“favorite”** in **AECInspire**.

1.) Please analyze all electrical equipment and panels shown in the provided construction documents and create two comprehensive deliverables:

DELIVERABLE 1: Equipment Location & Reference Table Create a detailed table with the following columns for ALL electrical equipment and panels found: Equipment ID/Number Equipment Type (switchboard, panel, transformer, motor, etc.) Physical Location (room name/number) Voltage Rating Amperage Rating (if applicable) One-Line Diagram Sheet Reference Floor Plan Sheet Reference Panel Schedule Sheet Reference Additional Notes Include ALL electrical equipment types such as: Main switchboards and distribution panels Lighting and power panels Emergency/life safety panels Transformers and generators Motors and mechanical equipment Low voltage panels (fire alarm, security, data) Transfer switches and disconnect switches Any other electrical equipment shown

DELIVERABLE 2: Drawing Coordination Analysis Create a second analysis identifying equipment that appears on some drawings but not others: Table A: Equipment on One-Line Diagram BUT NOT on Floor Plans List equipment shown on electrical one-line diagrams that don't appear clearly on floor plans Include equipment type, intended location, and electrical characteristics Table B: Equipment on Floor Plans BUT NOT on One-Line Diagram List equipment shown on floor plans that don't appear on one-line diagrams Explain why (typically low voltage systems, local equipment, etc.) Table C: Equipment in Specifications BUT NOT on Drawings List equipment described in electrical specifications that may not be clearly shown on drawings Analysis Requirements: Review ALL electrical drawings including one-line diagrams, floor plans, panel schedules, details, and sections Cross-reference with electrical specifications sections Look for mechanical equipment that requires electrical connections Include both high voltage (480V/208V) and low voltage (24V/120V) systems Note any obvious discrepancies in ratings, locations, or designations Provide source references for where each piece of information was found Format: Present findings in clear, organized tables with proper construction document referencing. Include sheet numbers, specification sections, and drawing details where information was obtained. Goal: Identify all electrical equipment in the project and highlight any coordination issues between different document types that may need clarification during construction

Gear **Prompts**

2.) Is there any equipment that requires disconnects or motor starters I need to provide? What are the amperage ratings, voltage rating, NEMA Rating and are they fused or non-fused. Be sure to check for Rooftop Units (RTUs), Air Handing Units (AHUs), Cooling Units (CUs).

3.) How many new panels are on this project?

4.) Are there any studies or coordination studies needed?

5.) Do any of the panels need to be service entrance rated?

6.) What is the KAIC or AIC or SCCR or AIR rating for each panel?

7.) Are there any electrical discrepancies I should be aware of between the specs or manuals and the plans?