### Electrical Specifications

<table>
<thead>
<tr>
<th>Sheet No.</th>
<th>Scale</th>
<th>Material</th>
<th>Panel Title</th>
<th>Number of Panels</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1:25</td>
<td>All Steel</td>
<td>PANEL PD</td>
<td>1</td>
<td>PD OVER/UNDER 600 KCMIL</td>
</tr>
</tbody>
</table>

### Panel PD

#### Panel Schedule:

<table>
<thead>
<tr>
<th>PANEL PD:</th>
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#### Panel Information:

- **Panel Type:** PANEL PD
- **Panel Title:** PANEL PD
- **Number of Panels:** 1

### Electrical Legend

- **Panel PD:** PANEL PD
- **L1, L2, L3:** Panel PD

### General Notes:

1. The contractor shall provide and install all necessary equipment, cabling, and associated material as specified in the panel schedule.
2. The contractor shall ensure all work is in accordance with the National Electrical Code (NEC) and local electrical codes.
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### Switchboard MSB

#### Service Data:

- **Service Voltage:** 208V, 3-Phase, 4-Wire
- **Service Current:** 200A
- **Service Panel:** 400A MLO NO

#### Service Data Table:

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PARTIAL MECHANICAL / ELECTRICAL FLOOR PLAN - DEMO

DEMO REV. 01-20-20

NEW WORK REV. 01-20-20

DEMO NOTES:
1. Trace conductors that are spliced at existing splice boxes. Do not cut conductors. Do not cut conduit. Do not cut wireway.
2. Coordinate and re-use existing conduits from existing switchboard to new switchboard. Do not cut existing conduits. Do not cut conduit. Do not cut wireway.
3. Existing conduit and existing splices will be relocated. Existing conduits will be connected to new switchboard. Existing splices will be relocated to new switchboard. Existing conduit will be connected to new switchboard. Existing splices will be relocated to new switchboard.

NEW WORK NOTES:
3. Existing switchboard conduit is already disconnected to new switchboard. Do not disconnect new switchboard to existing switchboard. Do not disconnect new switchboard to existing switchboard. Do not disconnect new switchboard to existing switchboard.
4. Connect to existing switchboard. Do not cut existing switchboard. Do not cut existing switchboard. Do not cut existing switchboard.
5. Provide additional splices as required. Do not cut splices. Do not cut splices. Do not cut splices.
ASSIGNMENT OF THE SPECIFICATIONS FOR GENERAL REQUIREMENTS ARE APPLICABLE TO ALL DRAWINGS AND FOR ALL ON DRAWING SPECIFICATIONS FOR THIS CONTRACT.

SECTION F - RELATED DOCUMENTS: THE SPECIFICATIONS FOR GENERAL REQUIREMENTS ARE APPLICABLE FOR ALL DRAWINGS AND FOR ALL ON DRAWING SPECIFICATIONS FOR THIS CONTRACT.

SECTION G - CONTRACTOR USE OF PREMISES:1. USE OF THE SITE: LIMIT USE OF THE PREMISES TO WORK IN AREAS INDICATED. CONFINE OPERATIONS TO THE AREAS TO WHICH THE CONTRACTOR HAS SPECIFIC ACCES.

SECTION H - INSPECTION OF CONDITIONS: REQUIRE THE INSTALLER OF EACH MAJOR COMPONENT TO INSPECT THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER.

SECTION I - QUALITY CONTROL: A. SUBMITTAL PROCEDURES: COORDINATE SUBMITTAL PREPARATION WITH CONSTRUCTION SCHEDULE, FABRICATION LEAD-TIMES, OTHER SUBMITTALS. PROVIDE SUBMITTALS CORRECT IF REQUIRED TO SPECIFIC CONDITIONS. PROVIDE COMPLETE AND CORRECT SUBMITTALS CORRECT IF REQUIRED TO SPECIFIC CONDITIONS. PROVIDE COMPLETE AND CORRECT SUBMITTALS.

SECTION J - CLEANING AND PROTECTION: CLEAN AND PROTECT CONSTRUCTION IN PROGRESS AND ADJOINING MATERIALS IN PLACE, DURING HANDLING AND STORAGE, UNTIL CONSTRUCTION IS COMPLETE OR OTHER WORK IS COMPLETED. CLEAN AND PROTECT MATERIALS AND SURFACES FROM DAMAGE AND DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

SECTION K - SUBSTANTIAL COMPLETION (PRELIMINARY PROCEDURES): BEFORE REQUESTING INSPECTION FOR CERTIFICATION OF SUBSTANTIAL COMPLETION, BE SURE TO INFORM THE OWNER IN WRITING OF THE DATE THE WORK IS SUBSTANTIALLY COMPLETE. PERFORM TOUCHUP PAINTING OR OTHER COMPLETION ACTIVITIES AS NEEDED. SUBMIT COMPLETE AND CORRECT SUBMITTALS.

SECTION L - FINAL CLEANING: THE GENERAL REQUIREMENTS REQUIRE GENERAL CLEANING DURING CONSTRUCTION. EMPLOY EXPERIENCED WORKERS OR CONTRACTORS TO COMPLETE THE WORK. CLEAN AND PROTECT MATERIALS AND SURFACES FROM DAMAGE AND DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION. DISPOSE OF THESE MATERIALS AS DIRECTED BY THE USE.

SECTION M - TAKEDOWN OF FIXTURES: THE GENERAL REQUIREMENTS REQUIRE TAKEN DOWN OF FIXTURES DURING CONSTRUCTION. FAILURE TO COMPLETE THE WORK AT SPECIFIED TIMES MAY RESULT IN A PENALTY.

SECTION N - FINAL ACCEPTANCE (PRELIMINARY PROCEDURES): BEFORE REQUESTING FINAL INSPECTION FOR CERTIFICATION OF FINAL ACCEPTANCE AND PAYMENT, INFORM THE OWNER IN WRITING OF THE DATE THE WORK IS SUBSTANTIALLY COMPLETE. PERFORM TOUCHUP PAINTING OR OTHER COMPLETION ACTIVITIES AS NEEDED. SUBMIT COMPLETE AND CORRECT SUBMITTALS.


SECTION Q - CLEARANCE PROBLEM: C. USE OF PRODUCT LISTED WITHOUT AUTHORIZATION OR PERMISSION OF THE ENGINEER. 7. SUBMITTALS: USE OF PRODUCT LISTED WITHOUT AUTHORIZATION OR PERMISSION OF THE ENGINEER. 7. SUBMITTALS: USE OF PRODUCT LISTED WITHOUT AUTHORIZATION OR PERMISSION OF THE ENGINEER.

SECTION R - INSTALLATION OF PRODUCTS: COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PRODUCTS IN THE WORK. USE PROPER TOOLS, TOOLS, AND MACHINERY TO ENSURE THE BEST RESULTS WHERE A PRODUCT IS TO BE INSTALLED. ADJUST AND LUBRICATE OPERABLE COMPONENTS TO ASSURE OPERABILITY WITHOUT DAMAGING EFFECTS. F. INSPECTION OF CONDITIONS: REQUIRE THE INSTALLER OF EACH MAJOR COMPONENT TO INSPECT THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER.

SECTION S - SUMMARY OF WORK: A. INSPECTIONS: INSPECTION AND TESTING SERVICES ARE REQUIRED TO VERIFY COMPLIANCE WITH REQUIREMENTS SPECIFIED OR INDICATED. THESE SERVICES DO NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH CONTRACT DOCUMENT REQUIREMENTS. 6. HISTORICAL DOCUMENT SUBMITTALS: DO NOT USE RECORD DOCUMENTS FOR CONSTRUCTION PURPOSES. PROTECT RECORD DOCUMENTS FROM DESTRUCTION OR DAMAGE. PROVIDE ACCESS TO RECORD DOCUMENTS FOR THE ENGINEER'S REFERENCE DURING NORMAL WORKING HOURS. F.

SECTION T - ADMINISTRATIVE PROCEDURES: COORDINATE SCHEDULING AND TIMING OF REQUIRED ADMINISTRATIVE PROCEDURES WITH OTHER CONTRACTOR-OWNED OPERATIONS. TEMPORARY FACILITIES. 3. DELIVERY AND PROCESSING OF SUBMITTALS. 4. PROGRESS MEETINGS. 5. PROJECT CLOSEOUT ACTIVITIES.


SECTION V - EFFECTIVE DATE: THE WORK WILL BE CONSTRUCTED UNDER A SINGLE PRIME CONTRACT. THE OWNER INTENDS TO AWARD THE CONTRACT TO THE RESPONSIBLE BIDDER SUBMITTING THE LOWEST LUMP-SUM BID. D.

SECTION W - CONTRACT SCHEDULE: PREPARE A Horizontal BAR-CHART CONSTRUCTION SCHEDULE. PROVIDE A SEPARATE TIME BAR FOR EACH MAJOR ACTIVITY TO BE PERFORMED. SUBMIT WITHIN THIRTY (30) DAYS AFTER DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK. SUBMIT COMPLETE AND CORRECT SUBMITTALS.

SECTION X - SUBMITTAL PROCEDURES: COORDINATE SUBMITTAL PREPARATION WITH CONSTRUCTION SCHEDULE, FABRICATION LEAD-TIMES, OTHER SUBMITTALS. PROVIDE COMPLETE AND CORRECT SUBMITTALS. C.

SECTION Y - SUBMITTALS: PREPARE A LIST SHOWING PRODUCTS SPECIFIED IN TABULAR FORM ACCEPTABLE TO THE ENGINEER. INCLUDE GENERIC NAMES OF MATERIALS AND GENERIC NAMES OF SUBMITTALS. PROVIDE COMPLETE AND CORRECT SUBMITTALS.


SECTION AA - INSTALLATION OF PRODUCTS: COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PRODUCTS IN THE WORK. USE PROPER TOOLS, TOOLS, AND MACHINERY TO ENSURE THE BEST RESULTS WHERE A PRODUCT IS TO BE INSTALLED. ADJUST AND LUBRICATE OPERABLE COMPONENTS TO ASSURE OPERABILITY WITHOUT DAMAGING EFFECTS. F. INSPECTION OF CONDITIONS: REQUIRE THE INSTALLER OF EACH MAJOR COMPONENT TO INSPECT THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER.

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SECTION CC - ADMINISTRATIVE PROCEDURES: COORDINATE SCHEDULING AND TIMING OF REQUIRED ADMINISTRATIVE PROCEDURES WITH OTHER CONTRACTOR-OWNED OPERATIONS. TEMPORARY FACILITIES. 3. DELIVERY AND PROCESSING OF SUBMITTALS. 4. PROGRESS MEETINGS. 5. PROJECT CLOSEOUT ACTIVITIES.