



**NOTES:**

- REFER TO CONTRACT DRAWING E-701 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
- REFER TO CONTRACT DRAWING E-904 FOR MEDIUM VOLTAGE SWITCHGEAR SPECIFICATION.
- REFER TO CONTRACT DRAWINGS E-905 AND E-906 FOR LOW VOLTAGE SWITCHBOARD SPECIFICATION.
- ALL 277/480V AND 120/208V FEEDERS AND BRANCH CIRCUIT CONDUCTORS SHALL BE ALUMINUM. CONTRACTOR SHALL PERFORM VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND APPROPRIATELY SIZE CONDUCTORS AND ASSOCIATED CONDUITS BASED ON THE 2017 NATIONAL ELECTRIC CODE.

**NOTES (CONTINUED):**

- ALUMINUM CONDUCTORS SHALL BE UL LISTED AND COMPLY WITH ASTM B800, ASTM B801, UL 486C, AND ANSI H35.2-2017. INSTALLATION OF ALUMINUM CONDUCTORS SHALL BE INSTALLED IN COMPLIANCE WITH ANSINECA/AA 104-2012.
- ALL SPLICES, TERMINATIONS, TAPS, AND CONDUCTOR CONNECTORS SHALL BE COMPATIBLE WITH CONDUCTOR MATERIAL. USE OXIDE INHIBITOR IN EACH SPLICE, TERMINATION, AND TAP FOR ALUMINUM CONDUCTORS.

**KEY NOTES:**

- FURNISH AND INSTALL 200A RATED, 65KAIC, 480V, 3P, 4W, NEMA 3R, QUICK CONNECT PANEL WITH 100A CIRCUIT BREAKER AND CAM LOCK FITTINGS FOR CONNECTION TO PORTABLE GENERATOR.
- FURNISH AND INSTALL MAIN CIRCUIT BREAKER WITH ENERGY-REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR.
- FIRE PUMP DISCONNECTING MEANS SHALL BE IDENTIFIED AS SUITABLE FOR USE AS SERVICE EQUIPMENT, BE LOCKABLE IN THE CLOSED POSITION, MARKED "FIRE PUMP DISCONNECTING MEANS", AND BE SUPERVISED IN THE CLOSED POSITION.
- FROM SOLAR POWER TRANSFORMER. REFER TO PHOTOVOLTAIC SYSTEM CONSTRUCTION DRAWINGS FOR FEEDER AND EQUIPMENT REQUIREMENTS.
- FURNISH AND INSTALL #14 START SIGNAL WIRING IN 3/4" TO GENERATOR CONTROL PANEL.
- FURNISH AND INSTALL GROUND FAULT PROTECTION SYSTEM WITH NO TRIP FUNCTION. SYSTEM SHALL PROVIDE SIGNAL TO REMOTE GENERATOR ANNUNCIATOR PANEL.
- REFER TO CONTRACT DRAWING E-403 FOR GROUNDING ELECTRODE SIZES. REFER TO CONTRACT DRAWING E-501 FOR GROUNDING DETAILS.
- CIRCUIT BREAKER SHALL BE KEY INTERLOCKED WITH QUICK CONNECT PANEL CIRCUIT BREAKER.

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**MANHATTAN BEER DISTRIBUTORS**  
20 DUNNIGAN DRIVE  
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021
	ISSUED FOR PROGRESS	01/18/2022
	ISSUED FOR CONSTRUCTION	02/09/2022

DRAWN BY: M.DIMATTIA  
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DATE: 09/10/21  
SCALE: N.T.S.

DRAWING TITLE:  
**ELECTRICAL ONE-LINE  
DIAGRAM - SHEET 1 OF 3**

DWG NUMBER:

**E-701**

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.