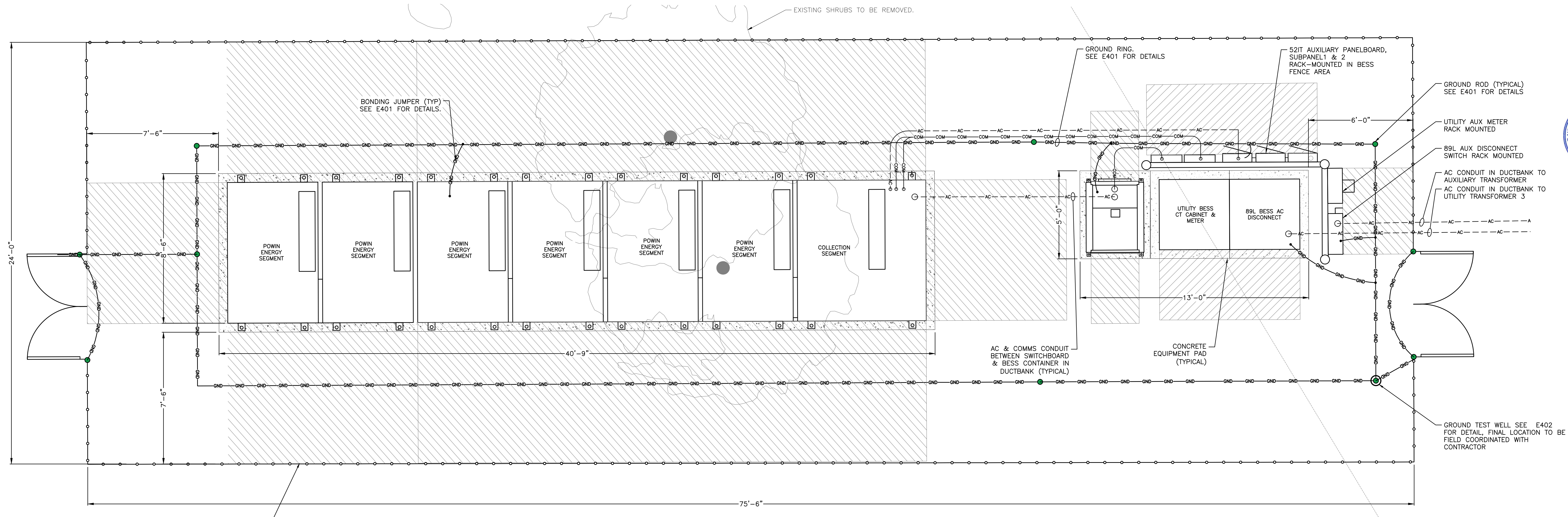


RULER IN INCHES: 0 1/2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

PLOT DATE: 1/9/2023 1:07 PM



SECURITY FENCE AROUND BESS.  
UTILITY PROVIDED 24/7 ACCESS TO  
89L BESS AC DISCONNECT SWITCH.

**2 BESS GROUND PLAN**  
E101 SCALE: 3/8" = 1'-0"

SHEET NOTES:  
DIMENSIONS SHOWN CONSIDERED  
PRELIMINARY FINAL DIMENSIONS TO  
BE COORDINATED WITH FINAL  
EQUIPMENT SUBMITAL DRAWINGS

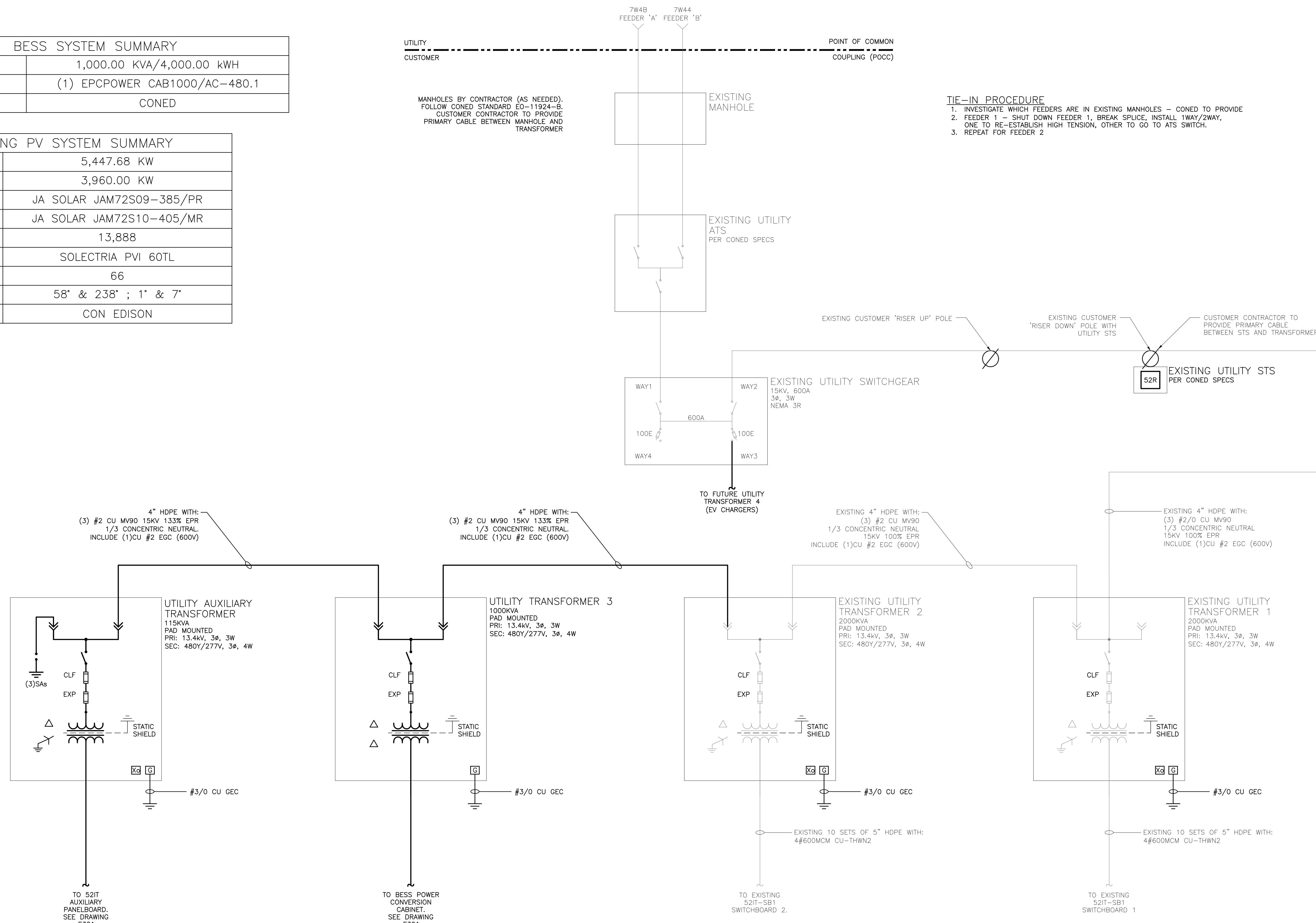
|                        |           |
|------------------------|-----------|
| DRAWING TITLE          | DRAWING # |
| OVERALL BESS AREA PLAN | E101      |

|   |   |  |  |
|---|---|--|--|
| <br>PURE POWER<br>111 WYLER STREET<br>YORKTOWN HEIGHTS, NY 10598<br>WWW.PUREPOWER.COM<br>RICHARD A. WINS<br>NY LICENSE NO. 081197         | REVISION DESCRIPTION<br>ISSUE FOR PERMIT REVI<br>07/05/2022<br>CONCEPTUAL DESIGN<br>05/10/2022<br>IC: DCCS REV2<br>05/19/2021 | DATE<br>07/05/2023<br>07/05/2022<br>05/10/2022<br>05/19/2021 | PM   ENG   CHK<br>BA   DG   BA<br>BA   DG   BA<br>BA   DG   BA<br>BA   DG   BA<br>BA   DG   BA |
|   | DEVELOPER<br><b>powerflex</b><br>EDI Renewables<br>805 THIRD AVENUE 20TH FLOOR<br>NEW YORK, NY 10022<br>WWW.POWERFLEX.COM     | PAGE SIZE<br>3.6" x 24"                                      | PROJECT #<br>01965   |
| PROJECT<br><b>BATTERY ENERGY STORAGE SYSTEM AT<br/>         IBM - YORKTOWN HEIGHTS</b><br>1101 KITCHAWAN RD<br>YORKTOWN HEIGHTS, NY 10598 |   |  |  |

RULER IN INCHES: 0 1/2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

| BESS SYSTEM SUMMARY |                               |
|---------------------|-------------------------------|
| AC SYSTEM SIZE      | 1,000.00 KVA/4,000.00 KWH     |
| INVERTER TYPE       | (1) EPCPOWER CAB1000/AC-480.1 |
| UTILITY             | CONED                         |

| EXISTING PV SYSTEM SUMMARY |                          |
|----------------------------|--------------------------|
| DC SYSTEM SIZE             | 5,447.68 KW              |
| AC SYSTEM SIZE             | 3,960.00 KW              |
| MODULE TYPE 1              | JA SOLAR JAM72S09-385/PR |
| MODULE TYPE 2              | JA SOLAR JAM72S10-405/MR |
| MODULE QTY                 | 13,888                   |
| INVERTER                   | SOLECTRIA PVI 60TL       |
| INVERTER QTY               | 66                       |
| AZIMUTH / TILT             | 58° & 238° ; 1° & 7°     |
| UTILITY                    | CON EDISON               |



MANHOLES BY CONTRACTOR (AS NEEDED). FOLLOW CONED STANDARD EO-11924-B. CUSTOMER CONTRACTOR TO PROVIDE PRIMARY CABLE BETWEEN MANHOLE AND TRANSFORMER

**TIE-IN PROCEDURE**  
 1. INVESTIGATE WHICH FEEDERS ARE IN EXISTING MANHOLES - CONED TO PROVIDE  
 2. FEEDER 1 - SHUT DOWN FEEDER 1, BREAK SPLICE, INSTALL 1WAY/2WAY, ONE TO RE-ESTABLISH HIGH TENSION, OTHER TO GO TO ATS SWITCH.  
 3. REPEAT FOR FEEDER 2

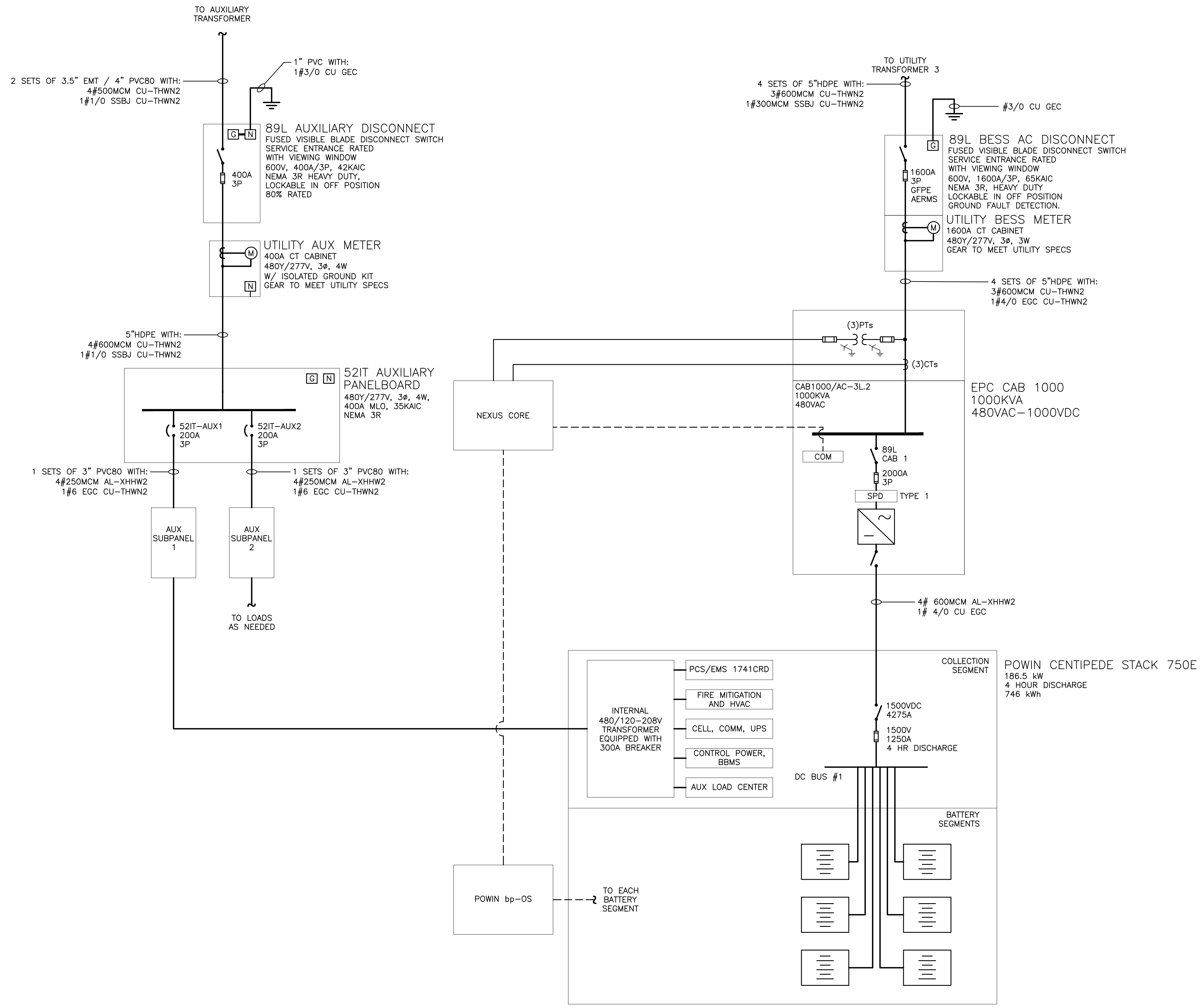
1 ONE LINE DIAGRAM - MEDIUM VOLTAGE  
 E300 SCALE: NONE

DRAWING TITLE  
 ONE LINE DIAGRAM MEDIUM VOLTAGE

|           |   |           |            |  |                          |                    |   |                      |            |
|-----------|---|-----------|------------|--|--------------------------|--------------------|---|----------------------|------------|
| PROJECT   | BATTERY ENERGY STORAGE SYSTEM AT  | DEVELOPER | POWERFLEX  | 805 THIRD AVENUE 20TH FLOOR<br>NEW YORK, NY 10022<br>WWW.POWERFLEX.COM | PAGE SIZE<br>3.6" x 2.4" | PROJECT #<br>01965 | STORAGE CAPACITY: 4,000.00 KWH<br>AC SYSTEM SIZE: 1,000.00 KW/AC<br>INVERTER MODEL: CAB1000/AC-3L2<br>INVERTER QUANTITY: 1<br>INVERTER POWER: 1,000.00MVA / 1,000.00KVA | REVISION DESCRIPTION | PM ENG CHK |
|           | IBM - YORKTOWN HEIGHTS<br>1101 KITCHAWAN RD<br>YORKTOWN HEIGHTS, NY 10598 |           |            |  |                          |                    |   |                      | BA DG BA   |
| DRAWING # | E300  | DATE      | 07/05/2023 | ISSUE FOR PERMIT   | DATE                     | 07/05/2023         | ISSUE FOR PERMIT  | CONCEPTUAL DESIGN    | BA DG BA   |
|           |   | DATE      | 05/10/2022 | CONCEPTUAL DESIGN  | DATE                     | 05/10/2022         | CONCEPTUAL DESIGN   | CONCEPTUAL DESIGN    | BA DG BA   |
|           |   | DATE      | 03/18/2021 | IC DECS REV2   | DATE                     | 03/18/2021         | IC DECS REV2  | IC DECS REV2         | BA DG BA   |

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PLOT DATE: 1/9/2023 1:07 PM



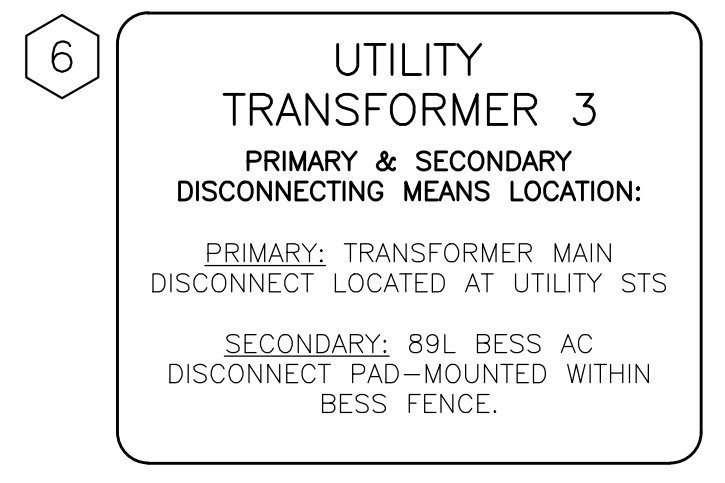
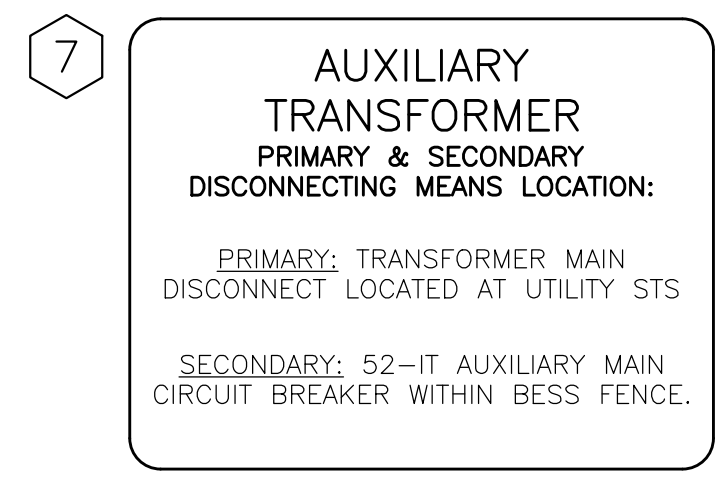
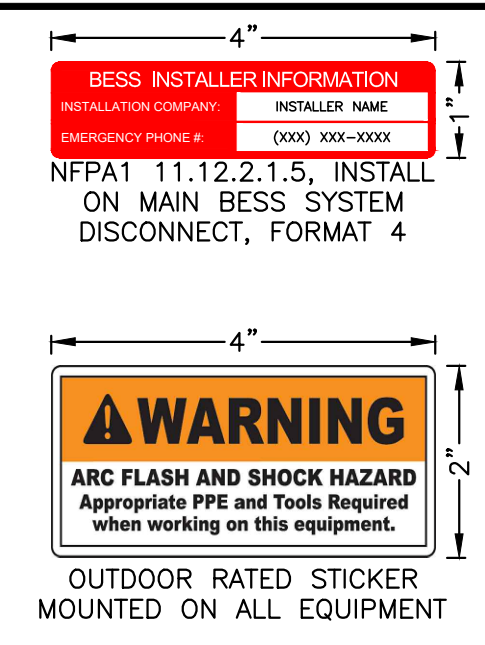
1 ONE LINE DIAGRAM - BESS  
 E301 SCALE: NONE

|  |  |  |  |   |
|--|--|--|--|---|
| <br>111 WYKER STREET<br>LICENSBK, NY<br>WWW.PUREPOWER.COM<br>RICHARD A. WINIS<br>NY LICENSE NO. 081197 | DATE<br>07/05/2023<br>07/05/2022<br>05/10/2022<br>03/18/2021   | REVISION DESCRIPTION<br>ISSUE FOR PERMIT REVI<br>ISSUE FOR PERMIT<br>CONCEPTUAL DESIGN<br>IC DCCS REVZ | PM ENG CHK<br>BA DG BA<br>BA DG BA<br>BA DG BA<br>BA DG BA |   |
|  | DEVELOPER<br>POWERFLEX<br>805 THIRD AVENUE 20TH FLOOR<br>NEW YORK, NY 10022<br>WWW.POWERFLEX.COM<br>EDI Renewables | PAGE SIZE<br>3.6" x 24"  | PROJECT #<br>01965   | STORAGE CAPACITY: 4,000.00 kWh<br>AC SYSTEM SIZE: 1,000.00 kWAC<br>INVERTER MODEL: CAB1000/AC-3L2<br>INVERTER QUANTITY: 1<br>INVERTER POWER: 1,000.00kWAC / 1,000.00KVA |
|  | PROJECT<br>BATTERY STORAGE SYSTEM AT<br>IBM - YORKTOWN HEIGHTS<br>1101 KITCHAWAN RD<br>YORKTOWN HEIGHTS, NY 10598  | PROJECT #<br>01965   | PROJECT #<br>01965   | STORAGE CAPACITY: 4,000.00 kWh<br>AC SYSTEM SIZE: 1,000.00 kWAC<br>INVERTER MODEL: CAB1000/AC-3L2<br>INVERTER QUANTITY: 1<br>INVERTER POWER: 1,000.00kWAC / 1,000.00KVA |
|  | LICENSED PROFESSIONAL ENGINEER<br>RICHARD A. WINIS<br>NY LICENSE NO. 081197  | PROJECT #<br>01965   | PROJECT #<br>01965   | STORAGE CAPACITY: 4,000.00 kWh<br>AC SYSTEM SIZE: 1,000.00 kWAC<br>INVERTER MODEL: CAB1000/AC-3L2<br>INVERTER QUANTITY: 1<br>INVERTER POWER: 1,000.00kWAC / 1,000.00KVA |

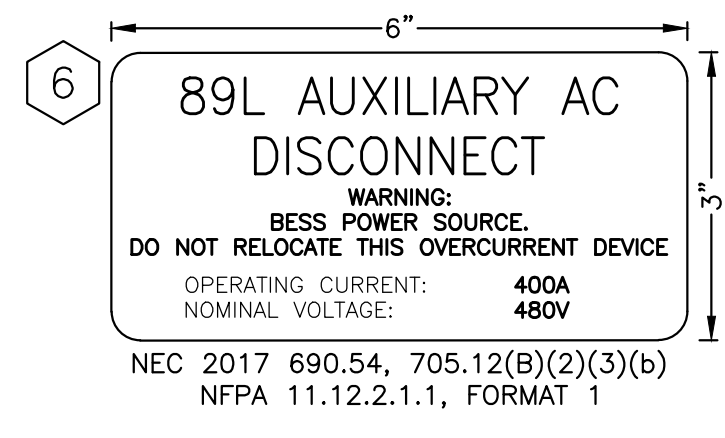
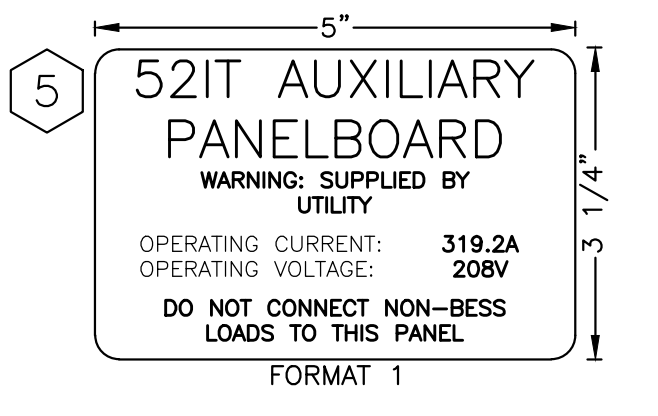
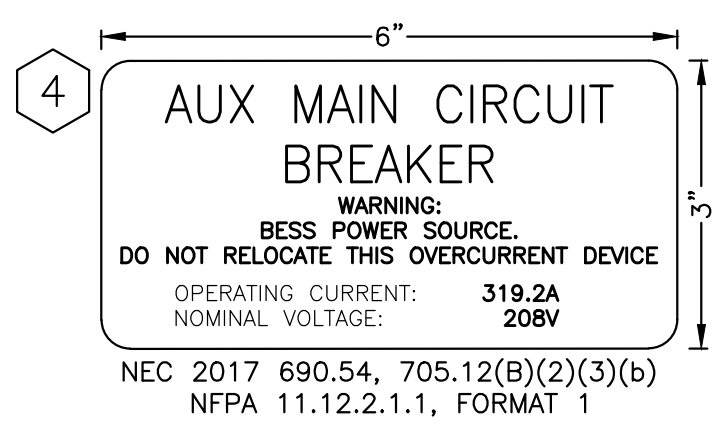
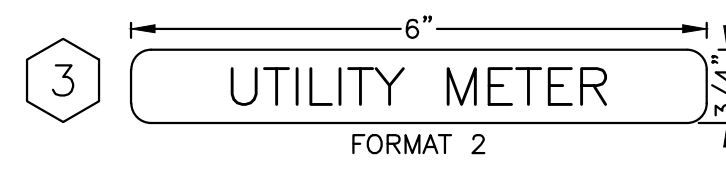
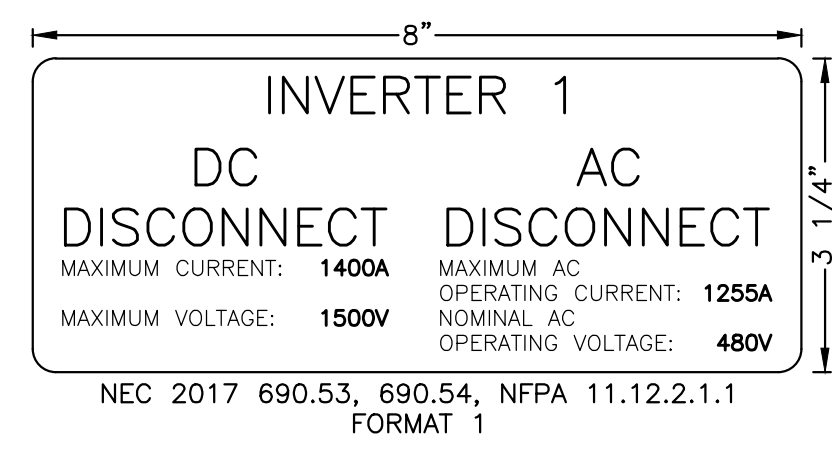
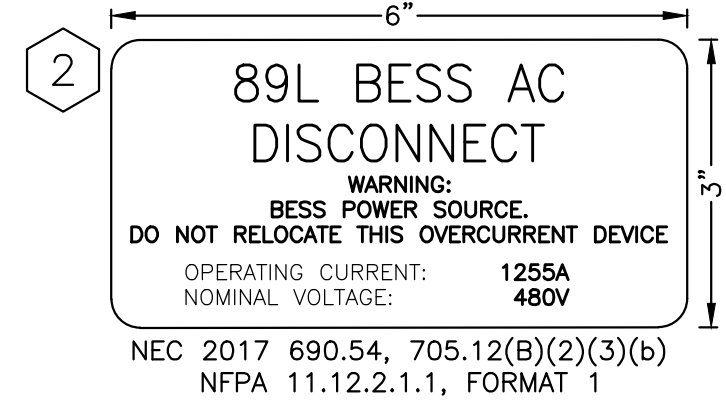
RULER IN INCHES: 0 1/2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
 PLOT DATE: 1/9/2023 1:07 PM

**GENERAL NOTES FOR LABELS:**  
 1. LABEL SCALE 1/2 UNLESS NOTED  
 2. LETTERING ON SIGNS SHALL BE CAPITAL LETTERS  
 3. CLEARLY LABEL ALL CIRCUIT BREAKERS IN THE PANELBOARD(S).  
 4. THE LABEL SHALL INDICATE THE NAME OF THE DEVICE IT SERVES.  
 5. SIGNAGE SHALL BE IN COMPLIANT WITH ANSI Z535 AND SHALL INCLUDE THE TYPE OF TECHNOLOGY ASSOCIATED WITH THE BATTERY ENERGY STORAGE SYSTEMS, ANY SPECIAL HAZARDS ASSOCIATED, THE TYPE OF SUPPRESSION SYSTEM INSTALLED IN THE AREA OF BATTERY ENERGY STORAGE SYSTEMS, AND TWENTY-FOUR-HOUR EMERGENCY CONTACT INFORMATION, INCLUDING REACH-BACK PHONE NUMBER.

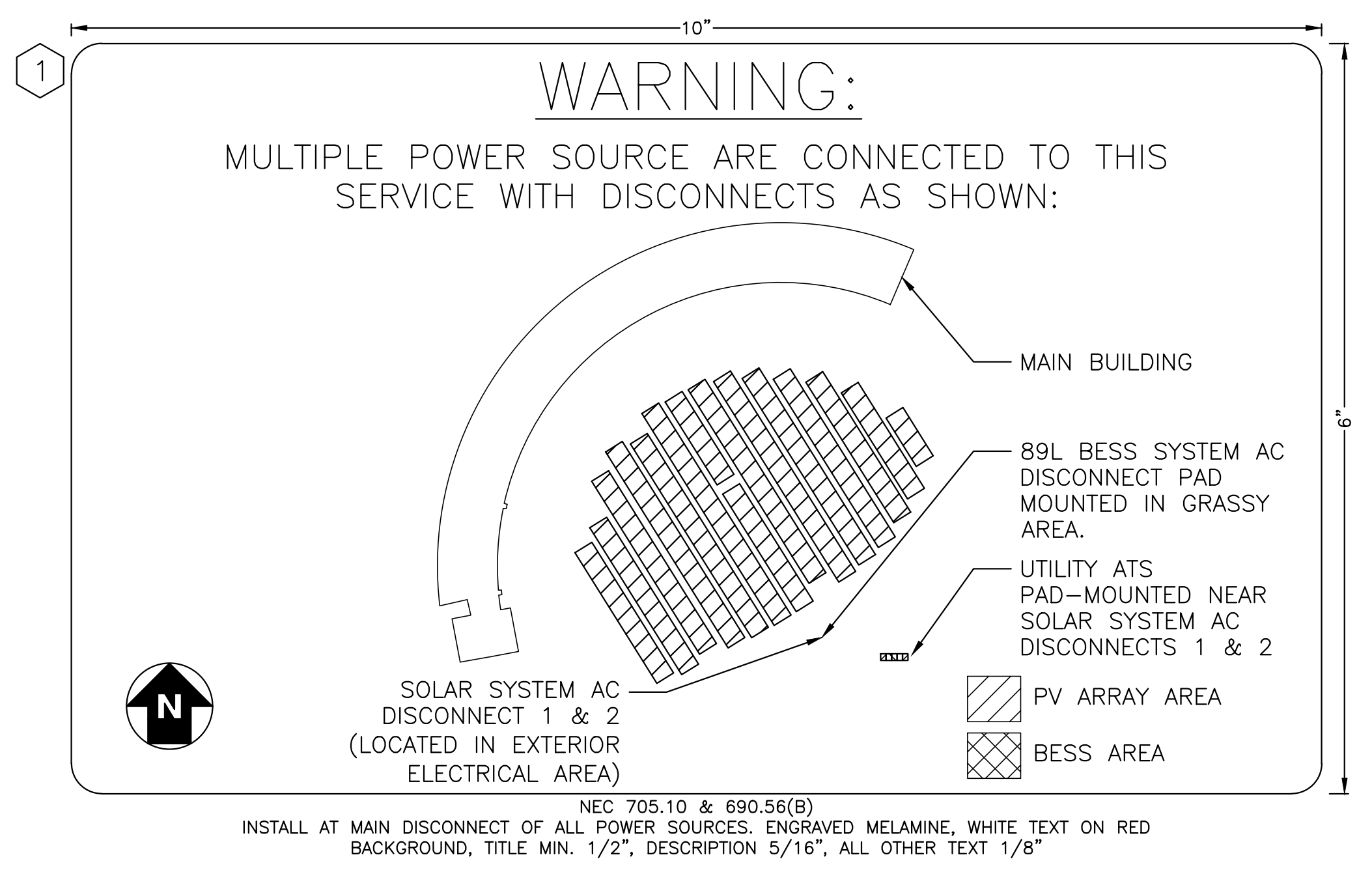
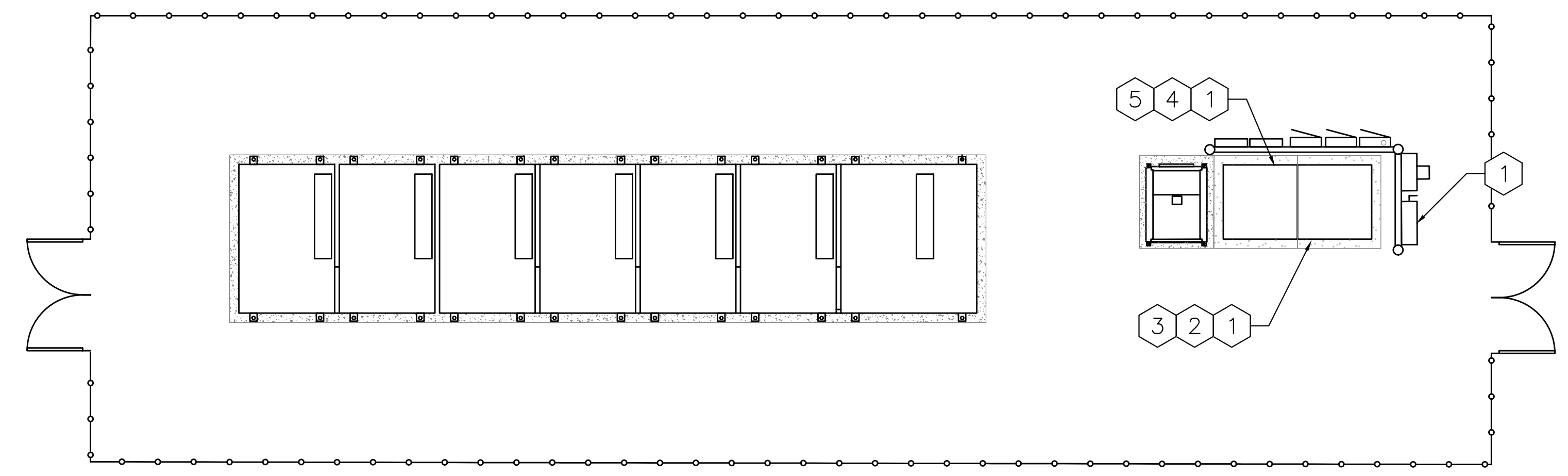
**LABEL FORMAT NOTES:**  
 1. FORMAT 1: ENGRAVED MELAMINE, WHITE TEXT ON RED BACKGROUND. TEXT HEIGHT: TITLES 3/8", ALL OTHER TEXT 5/32".  
 2. FORMAT 2: ENGRAVED MELAMINE, BLACK TEXT ON WHITE BACKGROUND. TEXT HEIGHT: 3/8".  
 3. FORMAT 3: REFLECTIVE UV RATED LABEL. RED BACKGROUND WITH WHITE CAPITAL LETTERS AT LEAST 3/8" TALL. LABELS SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.  
 4. FORMAT 4: ENGRAVED MELAMINE, WHITE TEXT ON RED BACKGROUND. TEXT HEIGHT: TITLES 5/32", ALL OTHER TEXT 3/32".  
 5. FORMAT 5: VINYL FILM, BLACK TEXT ON WHITE BACKGROUND. TEXT HEIGHT: 3/8"



TYPICAL FOR INVERTER(S): 1

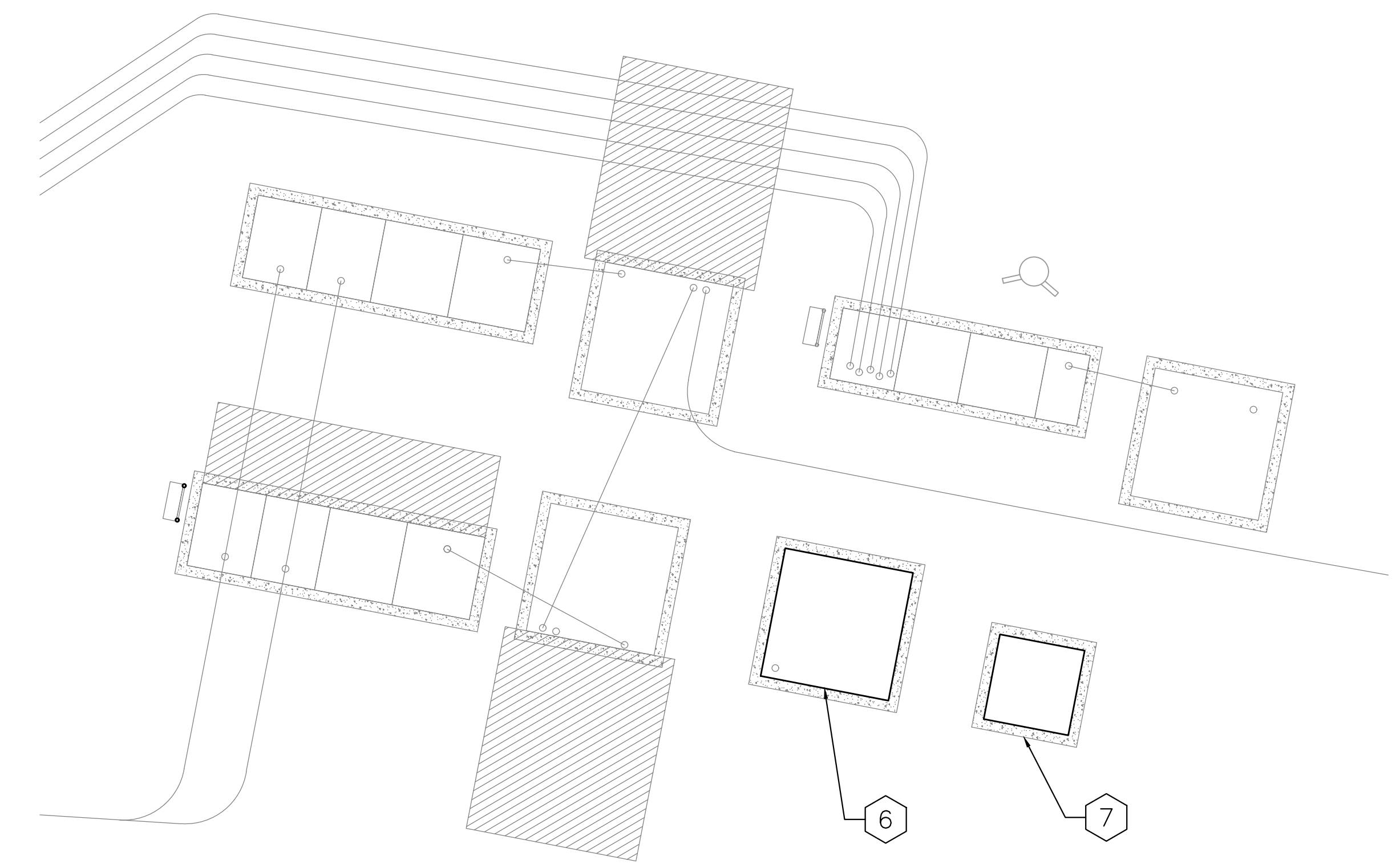


1 LABELS & SIGNAGE BESS AREA  
 E500 SCALE: 3/16" = 1'-0"



NEC 705.10 & 690.56(B)  
 INSTALL AT MAIN DISCONNECT OF ALL POWER SOURCES. ENGRAVED MELAMINE, WHITE TEXT ON RED BACKGROUND, TITLE MIN. 1/2", DESCRIPTION 5/16", ALL OTHER TEXT 1/8"

2 DIRECTORY LABEL  
 E500 SCALE: 1:1



3 TRANSFORMER AREA - LABELS & SIGNAGE  
 E500 SCALE: 3/16" = 1'-0"

DRAWING TITLE  
 LABELS & SIGNAGE

|                      |   |
|----------------------|---|
| PROJECT              | BATTERY ENERGY STORAGE SYSTEM AT<br>IBM - YORKTOWN HEIGHTS<br>1101 KITCHAWAN RD<br>YORKTOWN HEIGHTS, NY 10598 |
| DEVELOPER            | powerflex<br>EDF Renewables   |
| STORAGE CAPACITY:    | 4,000.00 KWH  |
| AC SYSTEM SIZE:      | 1,000.00 KW/AC  |
| INVERTER MODEL:      | CAB1000/AC-3L2  |
| INVERTER QUANTITY:   | 1   |
| INVERTER POWER:      | 1,000.00KW/AC / 1,000.00KVA   |
| PAGE SIZE            | 3.6" x 24"  |
| PROJECT #            | 01965   |
| DATE                 | 01/05/2023  |
| REVISION DESCRIPTION | ISSUE FOR PERMIT REVI   |
| DATE                 | 07/05/2022  |
| REVISION DESCRIPTION | CONCEPTUAL DESIGN   |
| DATE                 | 05/10/2022  |
| REVISION DESCRIPTION | AS BIDS REVZ  |
| DATE                 | 03/18/2021  |
| PM ENG CHK           | BA DG BA  |
| BA DG BA             | BA DG BA  |
| BA DG BA             | BA DG BA  |
| BA DG BA             | BA DG BA  |
| BA DG BA             | BA DG BA  |
| BA DG BA             | BA DG BA  |

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## PRODUCT: Stack750E PLATFORM: Centipede

Centipede is Powin's modular battery energy storage platform, purpose-built for the most grueling environments and use cases. Designed to dramatically increase site energy density, decrease installation times and simplify capacity augmentation, Centipede is ready to perform a diverse set of market applications including Frequency Response/Regulation, T&D Deferral, Flexible Peaking Capacity, Renewable Integration and more.

### Modular, Scalable and Configurable

Centipede's modular design allows you to easily scale up your project size from a single standalone unit to gigawatt-hours per project site. Centipede utilizes Powin's field-proven Stack hardware and STACKOS software platform to ensure continuity and familiarity between Powin's product lines to perform a variety of simple and advanced market applications.

### Enhanced Safety and Quality

Centipede combines Powin's safest-in-class LFP Stack hardware and integrated enclosures into one standardized, factory-built, outdoor product to ensure maximum quality control. Each Centipede unit includes a comprehensive package of explosion prevention and fire safety features, such as hydrogen detection and active ventilation, fire detection, fireproof insulation, fire detection, fireproof ventilation, and optional clean agent fire suppression.

### End to End Cost Savings

Centipede's factory-built and tested design allows for units to be installed on site in a fraction of the time it takes for traditional enclosure-based systems to be installed. The increased energy density also reduces the amount of land that is required to install a system per MWh. The highly serviceable design includes field-swappable, redundant components that minimizes downtime and service costs. These advantages, paired with Powin's diverse supply chain and Tier 1 cell procurement strategy give Powin's customers continual cost advantages upfront and over the lifespan of a system.

POWIN CONTACT US: sales@powin.com | powin.com

DP-C 2021 1.0 1

### POWIN STACK750E TECHNICAL SPECIFICATIONS

|   |  | STACK750E  |                  |             |                  |
|---|--|--|------------------|-------------|------------------|
| Electrical  | DC Voltage   | 1,210 - 1,491 V  |                  |             |                  |
|   | Duration   | 2+ hrs   |                  |             |                  |
|   | Maximum DC Energy Capacity <sup>1</sup>  | 750 kWh DC per segment & 250 MWh AC per acre   |                  |             |                  |
|   | Rated DC Power   | 369.5 kW   | 247.5 kW         | 186.5 kW    |                  |
|   | DC Energy Capacity @ Rated Power <sup>2</sup>  | 739 kWh  | 742.5 kWh        | 746 kWh     |                  |
|   | Duration @ Rated Power   | 2 hrs  | 3 hrs            | 4 hrs       |                  |
|   | Aux Load per Stack (Standby/Peak) <sup>3</sup>   | 0.25 kW / 5.6 kW   | 0.24 kW / 5.6 kW |             | 0.23 kW / 5.4 kW |
| Daily Aux Energy per Stack <sup>4</sup>                   | 29 - 31 kWh  | 21 - 23 kWh  |                  | 17 - 19 kWh |                  |
| Daily Aux Energy per Stack, Net of Balancing <sup>5</sup> | 28 - 30 kWh  | 20 - 22 kWh  |                  | 16 - 18 kWh |                  |
| Performance & Safety                                      | Calendar Life  | 20 years   |                  |             |                  |
|   | Cycle Life <sup>6</sup>  | 7,300 cycles   |                  |             |                  |
|   | DC Round Trip Efficiency @ Rated Power   | 93%  |                  | 95%         |                  |
|   | Cell Model   | EVE LF280K   | CATL CB240       | EVE LF280K  | CATL CB310       |
|   | Cell Chemistry   | Lithium Iron Phosphate (LFP)   |                  |             |                  |
|   | Cell Operating Temperature Range <sup>7</sup>  | 20 - 35° C   |                  |             |                  |
|   | Depth of Discharge   | 100%   |                  |             |                  |
|   | Explosion Prevention & Mitigation <sup>8</sup>   | Off-gas detection with dedicated, fail-safe active & passive ventilation system  |                  |             |                  |
|   | Fire Suppression <sup>9</sup>  | Smoke & heat detectors, heat activated sprinkler system with remote FDC dry standpipe connection, fire proof insulation, strobes, and horns; optional clean agent fire suppression |                  |             |                  |
|   | Heating & Cooling  | Dual field-swappable, high efficiency HVAC with humidity control   |                  |             |                  |
| Codes & Compliance <sup>9</sup>                           | UL 9540A, UL 1642, UL 1973, NFPA 1, NFPA 69, NFPA 855, IFC, IEC 62619, IEC 61000-6-2, IEC 62477, IEC 61000-6-3 |  |                  |             |                  |
| Mechanical  | Weight (Approximate)   | 20,000 lbs (9,074 kg)  |                  |             |                  |
|   | Enclosure Dimensions   | 71" W x 52" D x 91" H (2,410 mm x 1,560 mm x 3,001 mm)   |                  |             |                  |
|   | Enclosure Type / Rating  | IP66   |                  |             |                  |
| Software  | Ambient Operating Temperature Range  | -30° C to +50° C   |                  |             |                  |
|   | BMS + EMS + Solar + Environmental Controls   | StackOS™   |                  |             |                  |
| Analytics + Optimization + Data Warehouse                 | StackOS+™  |  |                  |             |                  |
| First Responder HMI                                       | Powin for First Responder™   |  |                  |             |                  |
| Communications Interface                                  | Modbus TCP (MESA/Sunspec) & REST API   |  |                  |             |                  |

1 Per acre energy capacity represents fully installed AC BESS, including close-coupled centralized inverters, transformers, and auxiliaries; excludes augmentation  
2 Energy capacity is recorded at the DC bus and varies by use case; contact Powin for an accurate estimate  
3 Peak values are typical; aux load varies significantly by use case; contact Powin for a use-case and location specific estimate  
4 Assumes 1 full cycle per day at rated power in a temperate climate; includes recoverable active balancing energy during charge/discharge  
5 Assumes 1 full cycle per day at rated power in a temperate climate; excludes recoverable active balancing energy during charge/discharge  
6 Assumes 1 full cycle per day and includes calendar aging for the day  
7 HVAC designed to maintain all cells near 20°C; full operating range 5-40°C; power derated at low/high temperatures  
8 Fire suppression and deflagration panels not required for NFPA 855 compliance  
9 Current and expected

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DP-C 2021 1.0 2

|                         |  | eppower  |                       |                       |                       |
|-------------------------|--|--|-----------------------|-----------------------|-----------------------|
| Date: November 18, 2021 |  | MODEL 50-100381 CAB1000AC-3L2  |                       |                       |                       |
| AC                      | AC configuration (max. cables per phase (1))   | 3-wire (3P3W)   6 x 600 kcmil or 6 x 300 mm <sup>2</sup>   |                       |                       |                       |
|                         | Nominal AC voltage (±10% (2))  | 480 V RMS  | 630 V RMS             | 630 V RMS             | 690 V RMS             |
|                         | Nominal AC current (export/import)   | 1043 kW  | 1304 kW               | 1255 ARMS             | 1560 kW               |
|                         | AC export/import capacity @ 90% (3)  | 1304 kW  | 1304 kW               | 1360 kW               | 1560 kW               |
|                         | Export power overload capacity @ 40°C, starting from 60% full load                                       | 120% for 3 sec and 116% for 5 min  |                       |                       |                       |
|                         | Reactive power capacity (4) (5)  | 480 kVAr overreacted   | 600 kVAr overreacted  | 640 kVAr overreacted  | 700 kVAr overreacted  |
|                         | Allowed grid short-circuit current ratios  | 480 kVAr underreacted  | 600 kVAr underreacted | 640 kVAr underreacted | 700 kVAr underreacted |
|                         | Max. fault current allowed from AC source  | 100 kA (AC RMS) (short-circuit version)   180 kA (AC RMS) non-throated version   |                       |                       |                       |
|                         | Nominal frequency range  | 50 / 60 Hz (configurable)  |                       |                       |                       |
|                         | Harmonic distortion  | UL1741   IEEE 5197   <2% THD at rated power per IEEE 519   |                       |                       |                       |
|                         | Efficiency @ 690 VAC (Peak)   CEC   Euro   | 98.9%   98.4%   98.6%  |                       |                       |                       |
| DC                      | DC voltage range (6)   | 765 - 1500 VDC   | 950 - 1500 VDC        | 1000 - 1500 VDC       | 1100 - 1500 VDC       |
|                         | Maximum DC current   | 1400 ADC   |                       |                       |                       |
|                         | Max. fault current allowed from DC source  | 180 kA (with internal DC fuses, per input)   |                       |                       |                       |
|                         | Number of DC inputs   max. cables per pole   | 1   8 x 600 kcmil or 8 x 300 mm <sup>2</sup>   |                       |                       |                       |
|                         | Max. deviation of DC voltage between parallel units  | ±50 VDC  |                       |                       |                       |
| Environmental           | Ambient temperature (operating)  | -20°C to 55°C (±0.5°C as option)   |                       |                       |                       |
|                         | Ambient temperature (storage)  | -40°C to 60°C  |                       |                       |                       |
|                         | Relative humidity  | 5 to 100% non-condensing   |                       |                       |                       |
|                         | Protection degree  | Outdoor (IP54 / NEMA 3R, Salt fog test available for coastal sites)  |                       |                       |                       |
|                         | Max. elevation   | 3,000m (9,842 ft)   (Consult EPC for any higher elevation)   |                       |                       |                       |
|                         | Altitude noise   | <75 dBA @ 3m   |                       |                       |                       |
|                         | Seismic  | ICC-ES AC 156 Sds @ 1.35 G   |                       |                       |                       |
|                         | Altitude derating (current)  | 10% per 1,000m above 1000m elevation   |                       |                       |                       |
|                         | Altitude derating (voltage)  | 10% per 1,000m above 2000m elevation   |                       |                       |                       |
|                         | Temperature derating   | 1% per degree °C from 40-55 °C   |                       |                       |                       |
| Cabinet                 | Maximum dimensions (H x W x D)   | mm (281 x 1000 x 1636)<br>in (10.98 x 39.4 x 64.4)   |                       |                       |                       |
|                         | Weight   | 1370 kg (3020 lb.)   |                       |                       |                       |
|                         | Mounting   | Pad mount   4x4 mount  |                       |                       |                       |
|                         | Cooling  | Hybrid liquid / air, temperature controlled  |                       |                       |                       |
| Certifications          | Safety   | UL 1741   C22.2 No. 107.1-16   IEC 62477-1, IEC 62309-1  |                       |                       |                       |
|                         | EMC  | FCC Part 15 (subpart B)   IEC 61000-6-2, 4   IEC 61000-3-2, 3   CISPR 32, CISPR 11   IEC 61000-3-2   |                       |                       |                       |
|                         | UL 1741 (SA)   IEEE 1547-2018   CA Rule 21   Hawaii Rule 14   AS4777.2   VDE-AR-N 4110:4120   EN 50449-2 |  |                       |                       |                       |
| Protections             | AC disconnection   | Motorized disconnect   |                       |                       |                       |
|                         | DC disconnection   | Motorized disconnect   |                       |                       |                       |
|                         | AC fuses   DC fuses (7)  | 2 x 1000 A, 200 kAac (24kA SC rms)   3 x 750 A, 210 kAac (20kA SC rms)   |                       |                       |                       |
|                         | AC I DC surge protection   | Low energy Class II SPD (Optional heavy duty Class II)   None (Optional heavy duty Class II)   |                       |                       |                       |
|                         | Safety features  | F-stop, AC / DC overvoltage, AC limited overvoltage, int. & timed overcurrent, overtemperature (both instantaneous and time-overload), communication, etc. |                       |                       |                       |
|                         | Ground fault detection (optional)  | iBD  |                       |                       |                       |
| Control                 | Control interface  | CAN, Modbus TCP/IP   |                       |                       |                       |
|                         | Command latency  | 1 ms (CAN), 1 ms (Modbus TCP/IP)   |                       |                       |                       |
|                         | Response time: time to accomplish full power step  | 2 ms, adjustable longer via parameters   |                       |                       |                       |
|                         | On-off grid transitions (optional)   | Yes   LPS mode available   |                       |                       |                       |
|                         | Back-start (available for option)  | Yes, requires external control power   |                       |                       |                       |
|                         | Grid-tied control modes  | Voltage mode   PQ (power)   DQ (current)   cos φ (pf)   STATCOM  |                       |                       |                       |
|                         | Grid-support functions   | Active/reactive control   Volt/VAr   Volt/Watt   Volt/Watt   LHMVW & LHMVW   Inertia   ramp rate, etc.   |                       |                       |                       |
|                         | Isolated control modes   | VBE   three control   VSG   On to parallel with other sources  |                       |                       |                       |
|                         | Island overload avoidance  | active inrush limiting for starting large loads  |                       |                       |                       |
|                         | Control power voltage  | 208 V 1-ph 60 Hz or 240 V 1-ph 50 Hz   |                       |                       |                       |
|                         | Self-priming   | 400 W   1500 W   1500 W (160 W) (optional)   |                       |                       |                       |
|                         | Abs. Max.   Typ. 100% load, 30C   50% load, 30C  | 2400 W   1500 W   1200 W (160 W) (optional)  |                       |                       |                       |

(1) Three conductors available as an option. Max. 4-wire parallel connection allowed with limited current due to current level. Up to 6 conductors parallel connection allowed when using cable connection for AC.  
(2) Nominal voltage 480-690 VAC ± 10%. Consult EPC Power for ratings of alternative AC voltages.  
(3) Power output at nominal line voltage and at range ± 1. Available power reduced in response to any AC voltage reduction from nominal.  
(4) With minimum DC and nominal AC voltage. Capacity will vary depending on min-DC and AC voltage range requirements at inverter terminals. Additional reactive power capability available as option.  
(5) Disconnected in reactive power that increases AC voltage at inverter terminals. Undersized to reactive power that decreases the reactive power at inverter terminals.  
(6) DC voltage range at nominal AC line voltage and at cos φ = 1. Higher or lower AC voltage change DC voltage range requirements.  
(7) Consult EPC Power for higher interrupt current requirements. Minimum available grid fault currents must be observed for proper operation of AC fuses.  
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IC, DCSS REVZ 05/18/2021

PURE POWER ENERGY STORAGE  
111 WYCKOFF STREET  
RICHMOND A. WINSTON  
NY LICENSE No. 081197

STATE OF NEW YORK  
EMERGENCY SERVICES  
LICENSED

POWERFLEX  
805 THIRD AVENUE 20TH FLOOR  
NEW YORK, NY 10022  
WWW.POWERFLEX.COM

DEVELOPER  
POWERFLEX  
805 THIRD AVENUE 20TH FLOOR  
NEW YORK, NY 10022  
WWW.POWERFLEX.COM

STORAGE CAPACITY: 4,000.00 MWh  
AC SYSTEM SIZE: 1,000.00 kWAC  
INVERTER MODEL: CAB1000/AC-3L2  
INVERTER QUANTITY: 1  
INVERTER POWER: 1,000.00MW / 1,000.00MVA

PROJECT  
BATTERY ENERGY STORAGE SYSTEM AT  
IBM - YORKTOWN HEIGHTS  
1101 KITCHAWAN RD  
YORKTOWN HEIGHTS, NY 10598

PAGE SIZE  
3.6" x 24"  
PROJECT #  
01965

DRAWING #  
E600

DRAWING TITLE  
EQUIPMENT DATA SHEETS

DRAWING #  
E600