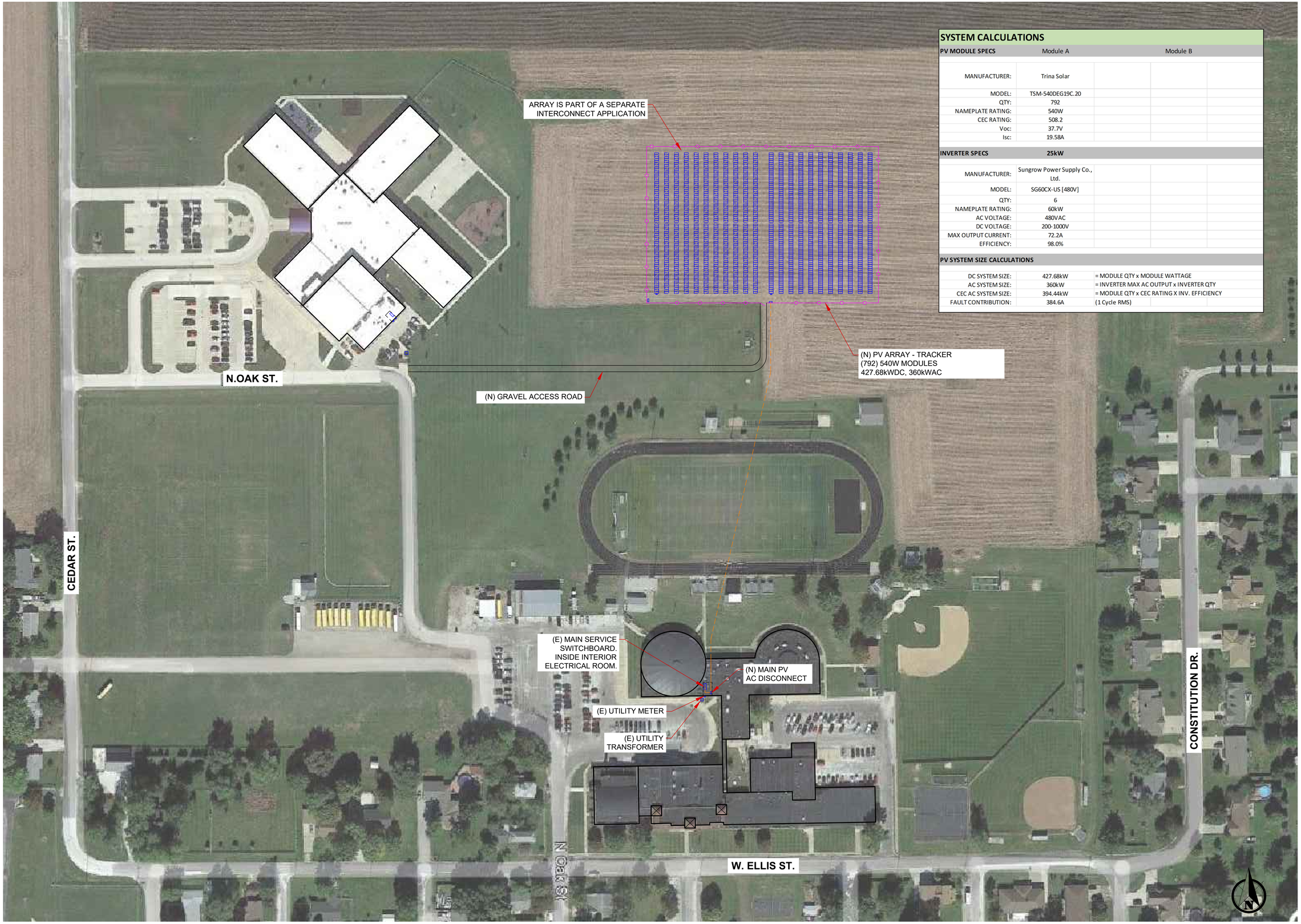


## SYSTEM CALCULATIONS

| PV MODULE SPECS | Module A | Module B |
|---|---|---|
| MANUFACTURER: | Trina Solar | |
| MODEL: | TSM-540DEG19C.20 | |
| QTY: | 792 | |
| NAMEPLATE RATING: | 540W | |
| CEC RATING: | 508.2 | |
| Voc: | 37.7V | |
| Isc: | 19.58A | |

| INVERTER SPECS | 25kW |
|---|---|
| MANUFACTURER: | Sungrow Power Supply Co., Ltd. |
| MODEL: | SG60CX-US [480V] |
| QTY: | 6 |
| NAMEPLATE RATING: | 60kW |
| AC VOLTAGE: | 480VAC |
| DC VOLTAGE: | 200-1000V |
| MAX OUTPUT CURRENT: | 72.2A |
| EFFICIENCY: | 98.0% |

| PV SYSTEM SIZE CALCULATIONS | | |
|---|---|---|
| DC SYSTEM SIZE: | 427.68kW | = MODULE QTY x MODULE WATTAGE |
| AC SYSTEM SIZE: | 360kW | = INVERTER MAX AC OUTPUT x INVERTER QTY |
| CEC AC SYSTEM SIZE: | 394.44kW | = MODULE QTY x CEC RATING X INV. EFFICIENCY |
| FAULT CONTRIBUTION: | 384.6A | (1 Cycle RMS) |

1 SITE PLAN

1" = 80'

DEVELOPER

TRITEC AMERICAS


**TRITEC AMERICAS**
888 PROSPECT ST.
LA JOLLA, CA 92037
PH (619) 363-3080



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ENGINEER OF RECORD

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

OWNER / CLIENT

**NEW BERLIN JR HIGH**
300 N ELLIS ST
NEW BERLIN, IL 62670

PROJECT LOCATION

**NEW BERLIN JR HIGH**
300 N ELLIS ST
NEW BERLIN, IL 62670

APN: TBD

| REV | DATE | DESCRIPTION |
|---|---|---|
| A | 8/23/2020 | IC DESIGN |

| | |
|---|---|
| DATE | 8/25/21 |
| PROJECT NUMBER | 22-1200034 |
| PROJECT MANAGER | DAVIS JOLLEY |
| PROJECT ENGINEER | CHRIS PETTIGREW |

# INTERCONNECT

SHEET TITLE

MASTER SITE PLAN

SHEET NUMBER

**G301**