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5 ISSUED FOR REVIEW 5/14/18	L *1L 11 0/ 1 1/ 10

CODE	REVISION DESCRIPTION	DATE

USE AND INTERPRETATION OF THIS DRAWING

1. GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER—CONTRACTOR AGREEMENT, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

2. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE

OWNER REPRESENTS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

3. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD DISKS OR OTHER ELECTRONIC MEDIA AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.

4. THIS DRAWING ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THIS DRAWING EXPRESSED

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PROJECT TITLE:

INFINITI - ROYALSTON 60 WINCHENDON RD ROYALSTON, MA 01368

DRAWING TITLE:

SITE PLAN

CLIENT: GENRENEW

BUILDING OWNER: ATLANTIC TRAILER

TENANT: ATLANTIC TRAILER

ARCHITECT:

PROJECT NO: 17
CONTRACT DATE: 09/05/2

DESIGNED BY:

DESIGNED BY: LC
DRAWN BY: LC
CHECKED BY: AL

ANDREW LEONE Professional Engineer

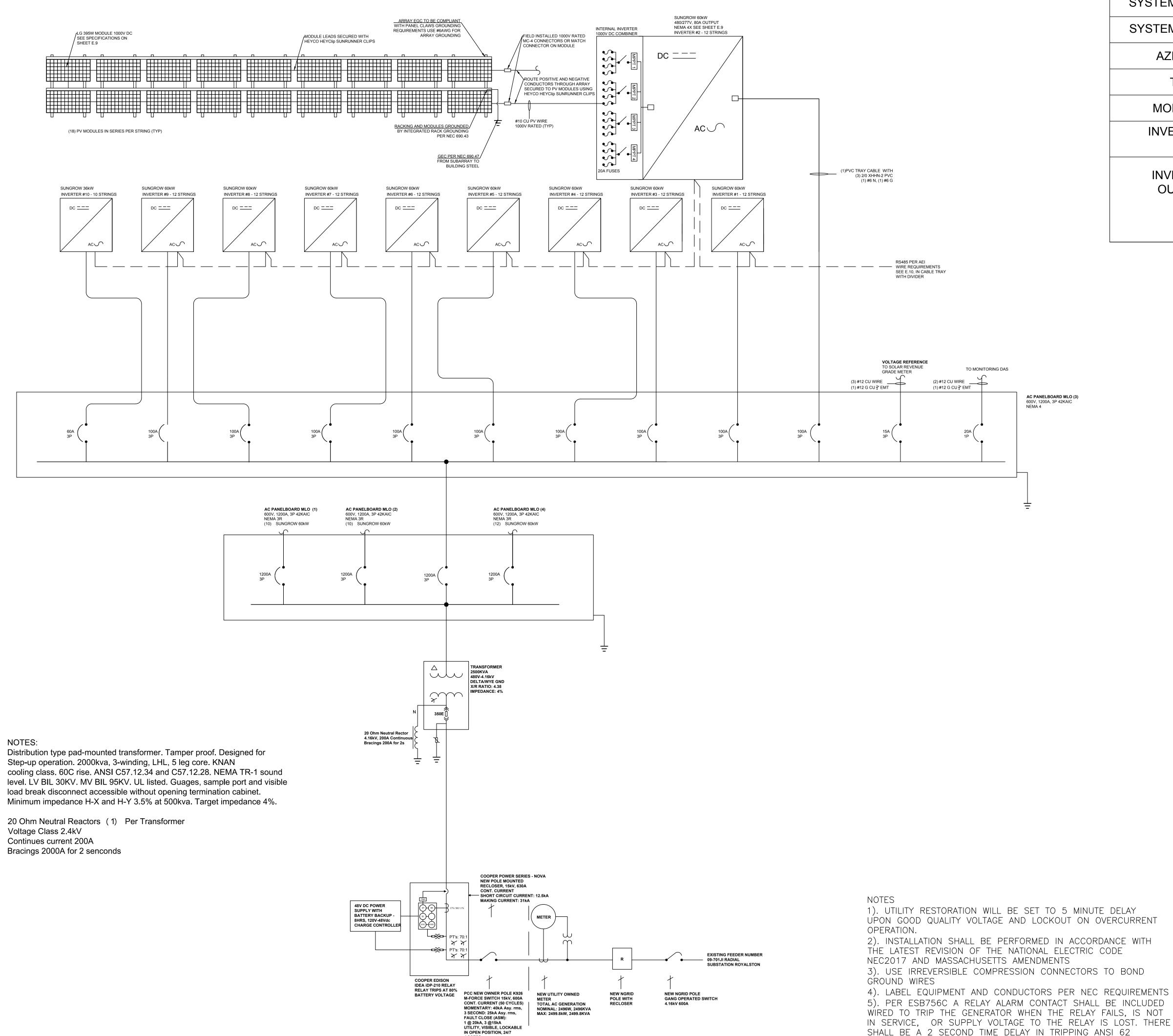
DRAWING SCALE: 1/128" = 1'-0"

ESPONSIBLE FOR DRAWING SCALE. 17
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E BEEN FULLY DESCRIPTIONS

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SYSTEM SIZE (DC)	3,623.04kW
SYSTEM SIZE (AC)	NOMINAL: 2496kW,2496KVA MAX: 2499.8kW,2499.8KVA
AZIMUTH	-135 TO 135 DEGREES
TILT	0 to 60 DEGREES
MODULES	(10656) HANWHA 340W
INVERTERS	(41) SUNGROW 60KU-M (1) SUNGROW 36KU
INVERTER OUTPUT	NOMINAL: 60kW,60KVA MAX: 60kW,60KVA NOMINAL: 36kW,36KVA MAX: 39.8kW,39.8KVA 480V, 3 PHASE

SUNGROW SG 36	KU
INVERTER SPECIFICATIO	NS
RATED AC OUTPUT POWER	36000 W
NOMINAL AC OUTPUT VOLTAGE	480/277 V
MAX AC OUTPUT CURRENT	48 A
INVERTER PROTECTIVE SET	TINGS
PARAMETERS	SET POINT
AC FREQUENCY RANGE	57 - 63 Hz
AC VOLTAGE RANGE	422 - 528 V
POWER FACTOR	>0.99
OVERFREQUENCY TRIP TIME	0.16 S
UNDERFREQUENCY TRIP TIME	0.16 S
OVERVOLTAGE TRIP TIME (FAST)	0.16 S
OVERVOLTAGE TRIP TIME (SLOW)	1.0 S
UNDERVOLTAGE TRIP TIME (FAST)	0.16 S
UNDERVOLTAGE TRIP TIME (SLOW)	2.0 S

SUNGROW SG 60k	(U-M
INVERTER SPECIFICATIO	NS
RATED AC OUTPUT POWER	60000 W
NOMINAL AC OUTPUT VOLTAGE	480/277 V
MAX AC OUTPUT CURRENT	80 A
INVERTER PROTECTIVE SET	TINGS
PARAMETERS	SET POIN
AC FREQUENCY RANGE	55 - 65 Hz
AC VOLTAGE RANGE	422 - 528 \
POWER FACTOR	>0.99
OVERFREQUENCY TRIP TIME	0.16 S
UNDERFREQUENCY TRIP TIME	0.16 S
OVERVOLTAGE TRIP TIME (FAST)	0.16 S
OVERVOLTAGE TRIP TIME (SLOW)	1.0 S
UNDERVOLTAGE TRIP TIME (FAST)	0.16 S
UNDERVOLTAGE TRIP TIME (SLOW)	2.0 S

PROTECTIVE RELAY PROPOSED SETTINGS

TROTECTIVE RELAT FROPOSED SETTINGS		
27-1	3.81kV	0.1 SEC
27-2	6.478	1.9 SEC
51N	470A	0.9 SEC
51-phase	164A	2.2 SEC U.S. TCC U4
59-1	8.383kV	0.6 SEC
59-2	9.145kV	0.1 SEC
81U-1	57	0.1 SEC
81U-2	58.5	100 SEC
810	60.5	0.1SEC
51C-ph	20A 91V	2.0 U.S. TCC U4
51C/N	16A	0.5 U4, V=80%

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PRINT ISSUE

ISSUED FOR REVIEW

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DATE

10/17/17

12/10/17

2/8/18

3/11/18

DATE

5	ISSUED FOR REVIEW	5/14/18

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PROJECT TITLE:

INFINITI - ROYALSTON 60 WINCHENDON RD ROYALSTON, MA 01368

DRAWING TITLE:

SINGLE LINE DIAGRAM

CLIENT: GENRENEW

BUILDING OWNER: ATLANTIC TRAILER

TENANT: ATLANTIC TRAILER

ARCHITECT:

PROJECT NO: 17-100

CONTRACT DATE: 09/05/2017

DESIGNED BY: LC
DRAWN BY: LC
CHECKED BY: AL
APPROVED BY: AL

ANDREW LEONE Professional Engineer

DRAWING SCALE:
DRAWING NO:

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