

INSTALLATION OF NEW GROUND MOUNTED
3.12kW PV SYSTEM
102 EAST DELAWARE AVENUE
LANDISVILLE, NJ 08326

GENERAL NOTES

IF ISSUED DRAWING IS MARKED WITH A REVISION CHARACTER OTHER THAN "A", PLEASE BE ADVISED THAT FINAL EQUIPMENT AND/OR SYSTEM CHARACTERISTICS ARE SUBJECT TO CHANGE DUE TO AVAILABILITY OF EQUIPMENT.

GENERAL NOTES

1. THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL EQUIPMENT AND FOLLOWING ALL DIRECTIONS AND INSTRUCTIONS CONTAINED IN THE DRAWING PACKAGE AND INFORMATION RECEIVED FROM TRINITY.
2. THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL EQUIPMENT AND FOLLOWING ALL DIRECTIONS AND INSTRUCTION CONTAINED IN THE COMPLETE MANUAL.
3. THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR READING AND UNDERSTANDING ALL DRAWINGS, COMPONENT AND INVERTER MANUALS PRIOR TO INSTALLATION. THE INSTALLATION CONTRACTOR IS ALSO REQUIRED TO HAVE ALL COMPONENT SWITCHES IN THE OFF POSITION AND FUSES REMOVED PRIOR TO THE INSTALLATION OF ALL FUSES BEARING SYSTEM COMPONENTS.
4. ONCE THE PHOTOVOLTAIC MODULES ARE MOUNTED, THE INSTALLATION CONTRACTOR SHOULD HAVE A MINIMUM OF ONE ELECTRICIAN WHO HAS ATTENDED A SOLAR PHOTOVOLTAIC INSTALLATION COURSE ON SITE.
5. FOR SAFETY, IT IS RECOMMENDED BY THE MANUFACTURE THAT THE INSTALLATION CREW ALWAYS HAVE A MINIMUM OF TWO PERSONS WORKING TOGETHER AND THAT EACH OF THE INSTALLATION CREW MEMBERS BE TRAINED IN FIRST AID AND CPR.
6. THIS SOLAR PHOTOVOLTAIC SYSTEM IS TO BE INSTALLED FOLLOWING THE CONVENTIONS OF THE NATIONAL ELECTRIC CODE. ANY LOCAL CODE WHICH MAY SUPERSEDE THE NEC SHALL GOVERN.
7. ALL SYSTEM COMPONENTS TO BE INSTALLED WITH THIS SYSTEM ARE TO BE "UL" LISTED. ALL EQUIPMENT WILL BE NEMA 3R OUTDOOR RATED UNLESS INDOORS.

GENERAL NOTES CONTINUED

8. THE DC VOLTAGE FROM THE PANELS IS ALWAYS PRESENT AT THE DC DISCONNECT ENCLOSURE AND THE DC TERMINALS OF THE INVERTER DURING DAYLIGHT HOURS. ALL PERSONS WORKING ON OR INVOLVED WITH THE PHOTOVOLTAIC SYSTEM ARE WARNED THAT THE SOLAR MODULES ARE ENERGIZED WHENEVER THEY ARE EXPOSED TO LIGHT.
9. ALL PORTIONS OF THIS SOLAR PHOTOVOLTAIC SYSTEM SHALL BE MARKED CLEARLY IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ARTICLE 690.
10. PRIOR TO THE INSTALLATION OF THIS PHOTOVOLTAIC SYSTEM, THE INSTALLATION CONTRACTOR SHALL ATTEND A PRE-INSTALLTION MEETING FOR THE REVIEW OF THE INSTALLATION PROCEDURES, SCHEDULES, SAFETY AND COORDINATION.
11. PRIOR TO THE SYSTEM START UP THE INSTALLATION CONTRACTOR SHALL ASSIST IN PERFORMING ALL INITIAL HARDWARE CHECKS AND DC WIRING CONDUCTIVITY CHECKS.
12. FOR THE PROPER MAINTENANCE AND ISOLATION OF THE INVERTS REFER TO THE ISOLATION PROCEDURES IN THE OPERATION MANUAL.
13. THE LOCATION OF PROPOSED ELECTRIC AND TELEPHONE UTILITIES ARE SUBJECT TO FINAL APPROVAL OF THE APPROPRIATE UTILITY COMPANIES AND OWNERS.
14. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREIN SHALL BE IN ACCORDANCE WITH:

A) CURRENT PREVAILING MUNICIPAL AND/OR COUNTY SPECIFICATIONS, STANDARDS AND REQUIREMENTS

GENERAL NOTES CONTINUED

14. B) CURRENT PREVAILING UTILITY COMPANY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS
15. THIS SET OF PLANS HAVE BEEN PREPARED FOR THE PURPOSE OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DRAWINGS UNTIL REVISED TO INDICATE "ISSUED FOR CONSTRUCTION".
16. ALL INFORMATION SHOWN MUST BE CERTIFIED PRIOR TO USE FOR CONSTRUCTION ACTIVITIES.

ABBREVIATIONS

- AMP AMPERE
- AC ALTERNATING CURRENT
- AL ALUMINUM
- AF AMP. FRAME
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AWG AMERICAN WIRE GAUGE
- C CONDUIT (GENERIC TERM OF SPECIFIED)
- CB COMBINER BOX
- CKT CIRCUIT
- CT CURRENT TRANSFORMER
- CU COPPER
- DC DIRECT CURRENT
- DISC DISCONNECT SWITCH
- DWG DRAWING
- EC ELECTRICAL SYSTEM INSTALLER
- EMT ELECTRICAL METALLIC TUBING
- FS FUSIBLE SWITCH
- FU FUSE
- GND GROUND
- GFI GROUND FAULT INTERRUPTER
- HZ FREQUENCY (CYCLES PER SECOND)

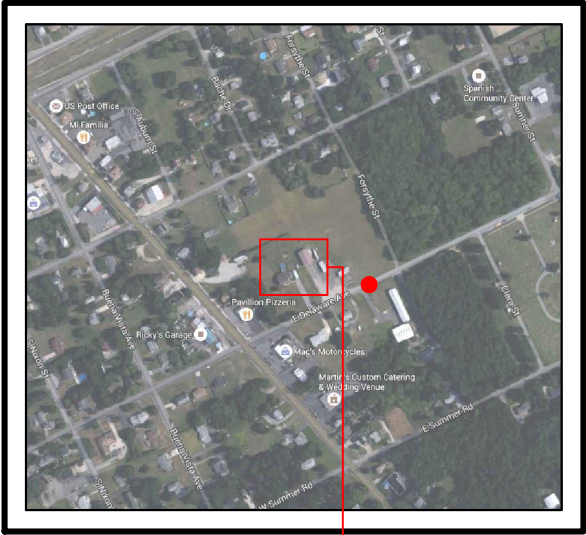
ABBREVIATIONS CONTINUED

- JB JUNCTION BOX
- KCMIL THOUSAND CIRCULAR MILS
- KVA KILO-VOLT AMPERE
- KW KILO-WATT
- KWH KILO-WATT HOUR
- L LINE
- MCB MAIN CIRCUIT BREAKER
- MDP MAIN DISTRIBUTION PANEL
- MLO MAIN LUG ONLY
- MTD MOUNTED
- MTG MOUNTING
- N NEUTRAL
- NEC NATIONAL ELECTRICAL CODE
- NIC NOT IN CONTRACT
- NO # NUMBER
- NTS NOT TO SCALE
- OCP OVER CURRENT PROTECTION
- P POLE
- PB PULL BOX
- PH ∅ PHASE
- PVC POLY-VINYL CHLORIDE CONDUIT
- PWR POWER
- QTY QUANTITY
- RGS RIGID GALVANIZED STEEL
- SN SOLID NEUTRAL
- JSWBD SWITCHBOARD
- TYP TYPICAL
- U.O.I. UNLESS OTHERWISE INDICATED
- WP WEATHERPROOF
- XFMR TRANSFORMER
- +72 MOUNT 72 INCHES TO BOTTOM OF ABOVE FINISHED FLOOR OR GRADE

SHEET INDEX

- PV-1 COVER SHEET W/ SITE INFO & NOTES
- PV-2 LAYOUT PLAN W/ MODULE LOCATIONS
- PV-3 ELECTRICAL 3 LINE DIAGRAM

EAST DELAWARE AVENUE●



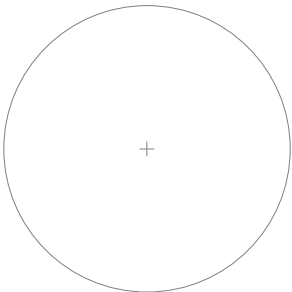
VICINITY MAP
SCALE: NTS

SITE



SATELLITE VIEW
SCALE: NTS

Engineer / License Holder:



Issued / Revisions

R2	SYSTEM SIZE DECREASE / LAYOUT REVISION	6/3/2016
R1	CONSTRUCTION DWG	2/11/2016
P1	ISSUED TO TOWNSHIP FOR PERMIT	9/21/2015
NO.	DESCRIPTION	DATE

Project Title:

DROGO,TERI (SYSTEM #2)

TRINITY ACCT #: 2015-62193

Project Address:

102 EAST DELAWARE AVENUE
LANDISVILLE, NJ 08326

Drawing Title:

PROPOSED 3.12kW
SOLAR SYSTEM

Drawing Information

DRAWING DATE:	9/21/2015
DRAWN BY:	JC
REVISED BY:	JES

System Information:

TOTAL SYSTEM SIZE:	3.12kW
TOTAL MODULE COUNT:	12
MODULES USED:	TRINA 260
MODULE SPEC #:	TSM-260 PD05.08
UTILITY COMPANY:	ACE
UTILITY ACCT #:	55000987184
UTILITY METER #:	TEG011947443
DEAL TYPE:	SUNNOVA

Rev. No.

R2

Sheet

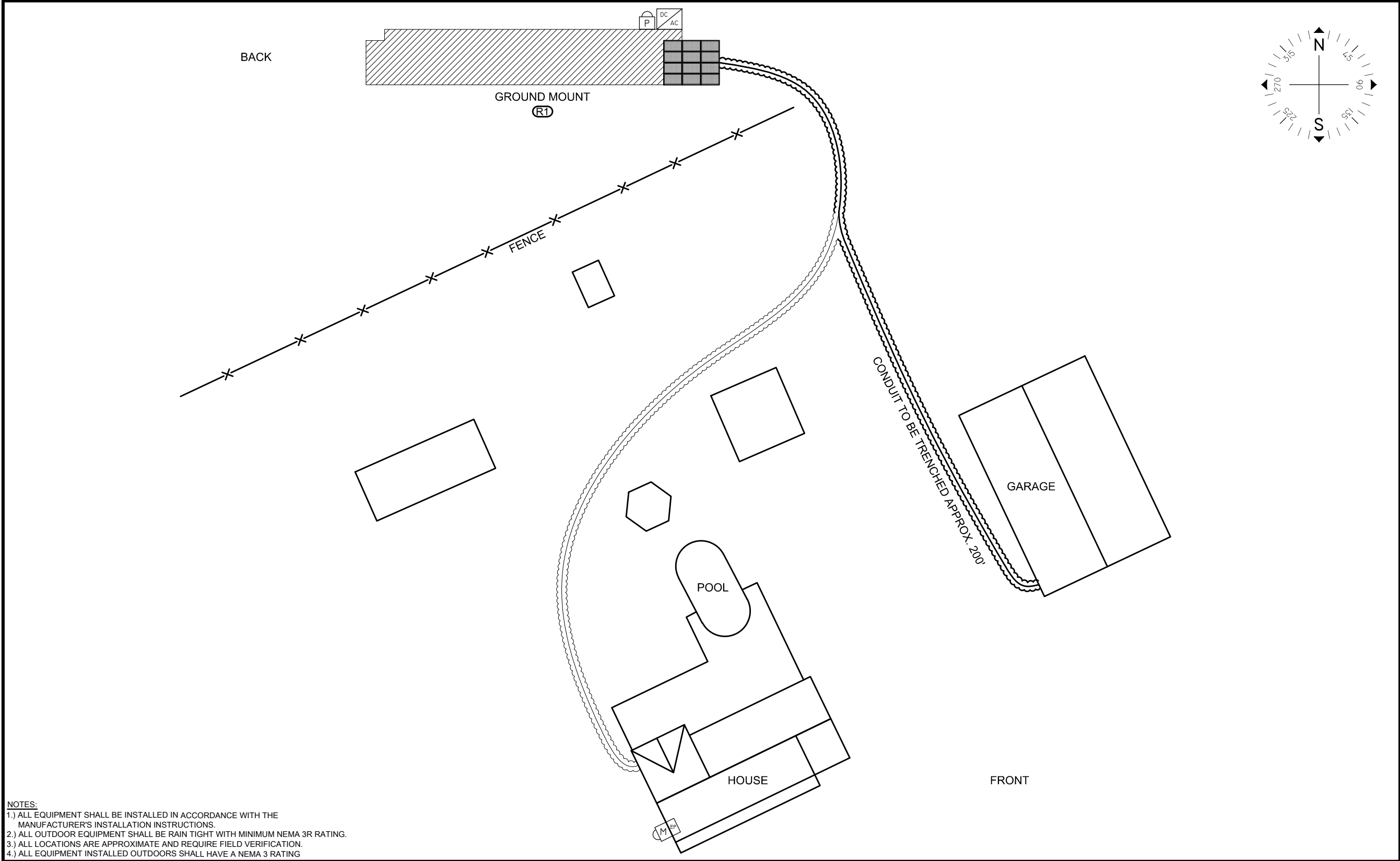
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*PLANS COMPLY WITH 2010 RCNYS ASCE 7-05, 2001 WFCM AS PER REFERNCED STANDARDS. WIND SPEED DESIGN IS 110 MPH

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ARRAY SCHEDULE		SYMBOL LEGEND				EQUIPMENT SCHEDULE	
ARRAY 1 ARRAY ORIENTATION = 180° MODULE PITCH = 30°		INDICATES 24" DEEP TRENCHED.		INDICATES NEW UTILITY DISCONNECT TO BE INSTALLED OUTSIDE		INDICATES SEPARATE PV SOLAR SYSTEM TO BE INSTALLED WITHIN SAME ARRAY	QTY
		INDICATES EXISTING METER LOCATION		INDICATES NEW PV SOLAR MODULE. RED MODULES INDICATE PANELS THAT USE MICRO INVERTERS. REFER TO EQUIPMENT SCHEDULE FOR SPECS.			12
		INDICATES EXISTING ELECTRICAL PANEL LOCATION: IN GARAGE		INDICATES NEW PRODUCTION METER TO BE INSTALLED OUTSIDE.			1
		INDICATES NEW MAIN DISCONNECT TO BE GROUPED WITH MAIN PANEL		INDICATES NEW INVERTER TO BE INSTALLED OUTSIDE. REFER TO EQUIPMENT SCHEDULE FOR SPECS.			
						SPEC #	
						TRINA 260 (TSM-260 PD05.08)	
						SE3000A-US	

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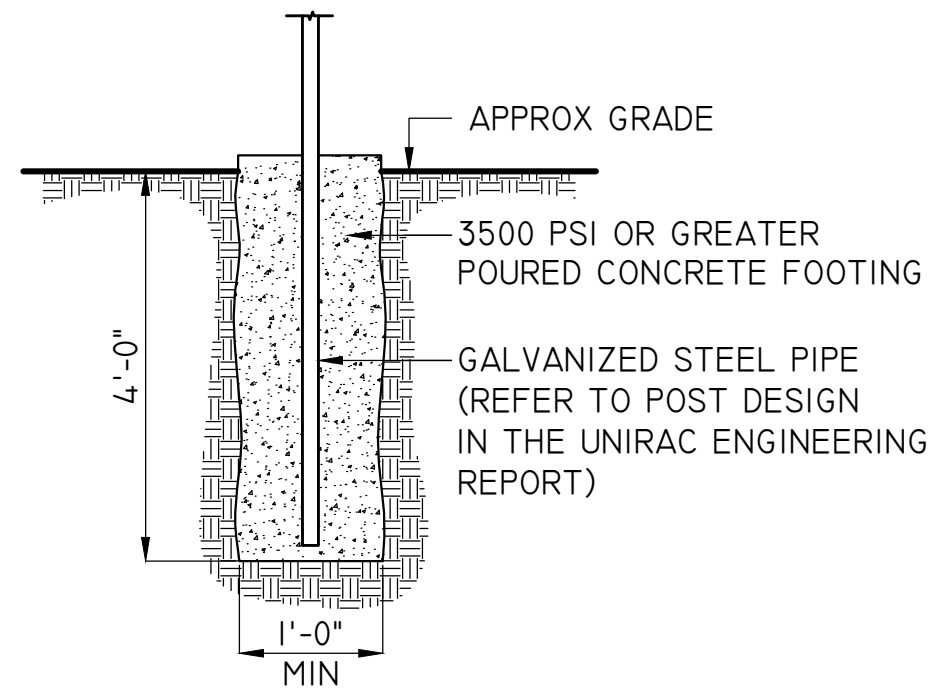
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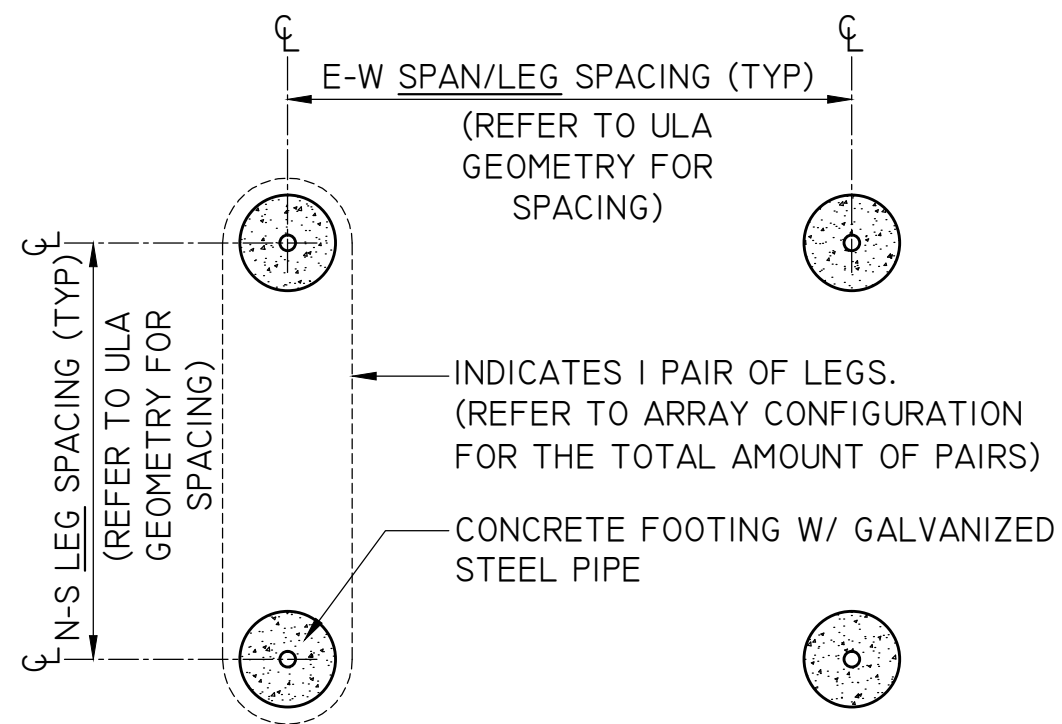
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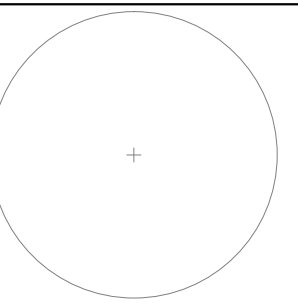


CONCRETE FOOTING DETAIL
SCALE: NTS REFER TO UNIRAC ENGINEER REPORT FOR SPECIFICATIONS



CONCRETE FOOTING LAYOUT
SCALE: NTS REFER TO UNIRAC ULA QUOTATIONS FOR SPECIFICATIONS

Engineer / License Holder:



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