

(16) JINKO SOLAR JKM405M-72HL-V (405W) MODULES  
(4) HOYMILES HMS-1600-4T-NA MICRO-INVERTERS  
(1) BRANCH OF 4 INVERTERS CONNECTED IN PARALLEL

SYSTEM SIZE: 16 x 405W = 6.48 kWDC  
SYSTEM SIZE: 4 x 1440VA = 5.76 kWAC

INTERCONNECTION  
120% RULE - NEC 705.12(B)(2)(3)(b)  
UTILITY FEED + SOLAR BACKFEED  
200A + 30A = 230A  
BUSS RATING x 120%  
200A x 120% = 240A

BILL OF MATERIALS		
EQUIPMENT	QTY	DESCRIPTION
SOLAR PV MODULE	16	JINKO SOLAR JKM405M-72HL-V (405W) PERC MODULES
INVERTER	4	HOYMILES HMS-1600-4T-NA MICRO-INVERTERS
AC DISCONNECT	1	EATON 240VAC, 2P, 60A NON FUSED, NEMA 3R, UL LISTED
TRUNK CABLE/CONN	1	HOYMILES TRUNK CABLE ASSEMBLY 4.2M/4T/4L, 10 AWG
DTU-PRO-S-WIFI	1	HOYMILES DTU-PRO-S-WIFI COMMUNICATIONS & MONITORING PLATFORM



**NC SOLAR ELECTRIC LLC**  
THE HIGHEST SOLAR RETURN ON INVESTMENT

**(877) 58-SOLAR**

**NC SOLAR ELECTRIC LLC**  
105 ROCK ISLAND DR, STATESVILLE, NC, 28625 USA  
PHONE: (704) 603-7347  
EMAIL: tdesiato@ncsolarelectric.com

ENGINEER OF RECORD INFO

VERSION		
DESCRIPTION	DATE	REV
DRAFT		x1

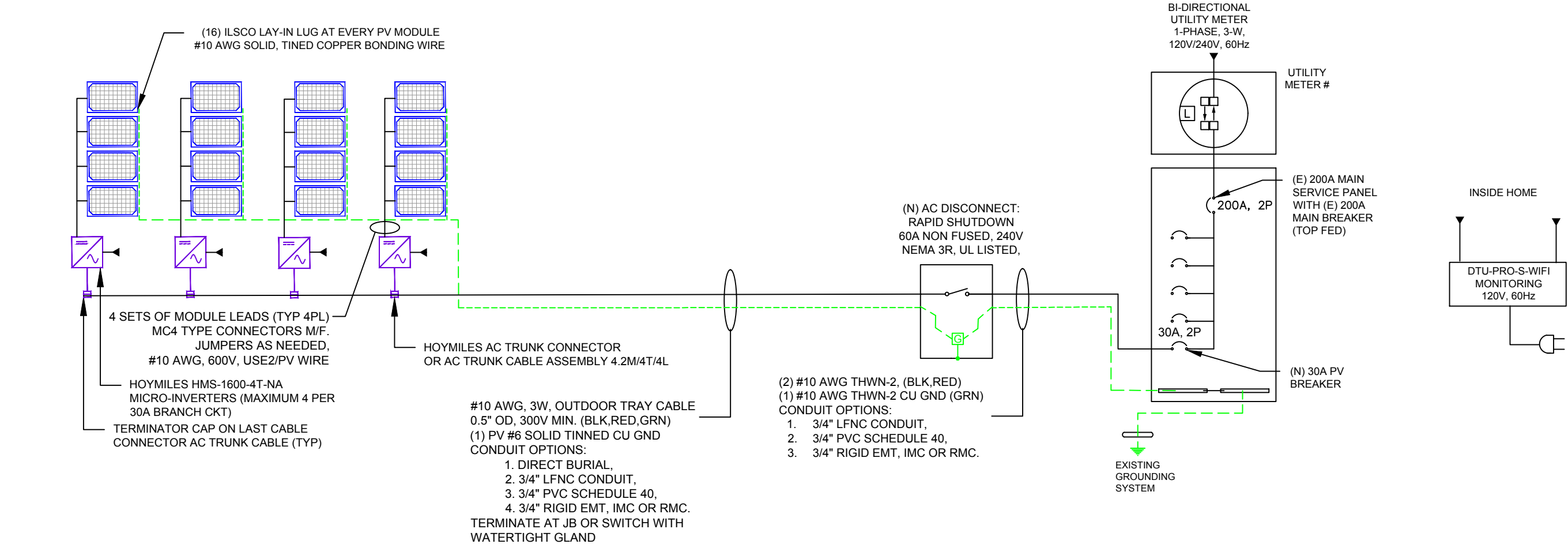
PROJECT NAME

CUSTOMER NAME  
SITE ADDRESS,  
CITY, STATE, ZIP  
APN#  
UTILITY:  
AHJ:

SHEET NAME  
ELECTRICAL LINE  
DIAGRAM

SHEET SIZE  
ANSI B  
11" X 17"

SHEET NUMBER  
S-1600-4T-NA



SERVICE INFO.	
UTILITY PROVIDER:	TBD
MAIN SERVICE VOLTAGE:	240V
MAIN PANEL BRAND:	CUTLER HAMMER
MAIN SERVICE PANEL:	(E) 200A
MAIN CIRCUIT BREAKER RATING:	(E) 200A
MAIN SERVICE LOCATION:	NORTH
SERVICE FEED SOURCE:	UNDERGROUND

**NOTE:**  
AC DISCONNECT IS RAPID SHUTDOWN SWITCH

FOR MORE THAN 20 PV MODULES AND 5 INVERTERS, REDUCE MSP MAIN BREAKER TO 175A TO USE 60A PV BREAKER.