









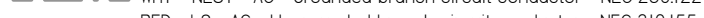



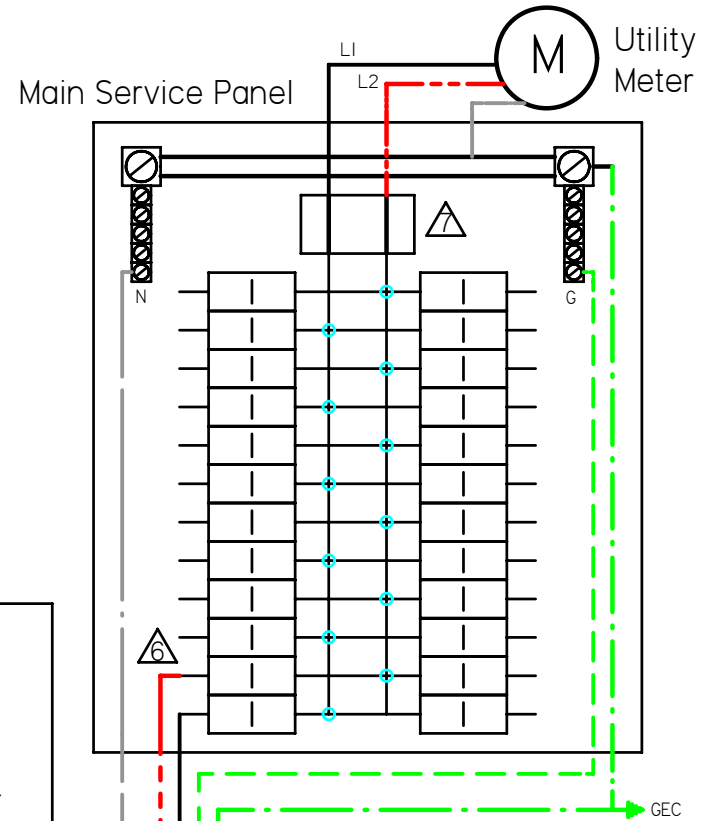
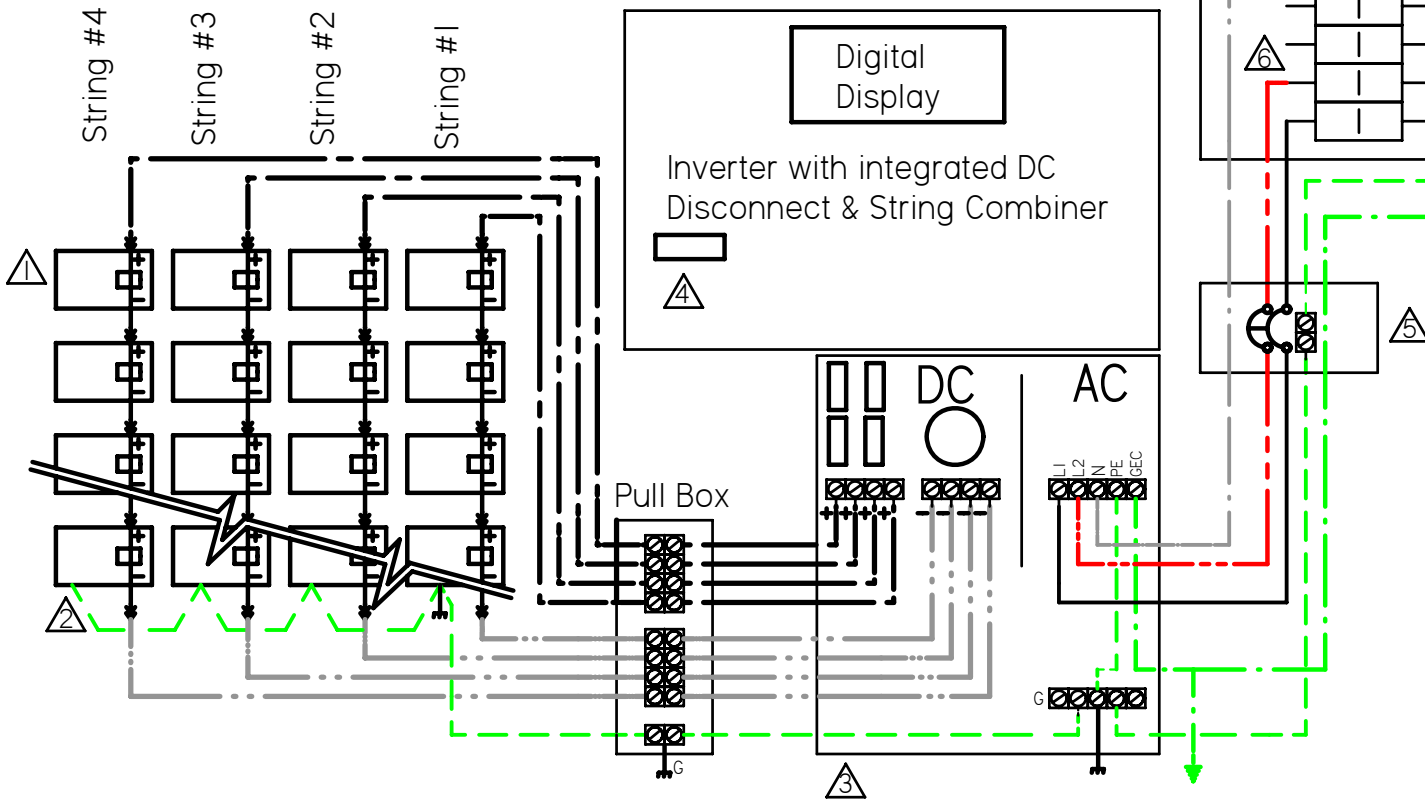


-  PV Array. Depending on the inverter, the panel model and sting number and configuration may vary. Typical PV module: SW #175 Mono.
-  Modules are grounded to the mounting rail with bonding jumper. Continuous grounding conductor connects all mounting rails to PE terminal in inverter.
-  DC Disconnect & String Combiner - 600V DC. Systems with four or more string require additional fused combiner box.
-  GDFI Fuse
-  Outdoor AC Disconnect 240V with exterior lockable handle.
-  Solar Breaker 240V
-  Main Distribution Breaker

WIRING LEGEND

-  BLK - POS HV - DC
-  BLK - L1 - AC - Ungrounded branch circuit conductor - NEC 310.155
-  WHT - NEG HV - DC
-  WHT - NEUT - AC - Grounded branch circuit conductor - NEC 250.122
-  RED - L2 - AC - Ungrounded branch circuit conductor - NEC 310.155
-  GRN OR BARE - GND - Equipment Grounding Conductor - NEC 250.122
-  GRN OR BARE - GEC - Grounding Electrode Conductor - NEC 250.166



SOLAR DIRECT			
Grid Tie PV Wiring Schematic William C. Weinaug Jr. 576 Heather Brite Circle - Apopka FL 32712			
SIZE A	DWG NO GTI	REV D	SHEET: 1 OF 1
FILE NAME: electrical schematic gti.dft			
	NAME	DATE	
Drawn by	Alex L. Armentia	10/29/07	
Eng Appr	Kirk Maust		
P.E. Appr	David Stevens		
Stevens and Associates, INC			
X _____			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN FT-IN SCALE 1/4" = 1'0"			