

ISSUED FOR CONSTRUCTION

ELECTRICAL

DWG NO.	REVISION	DRAWING TITLE
BORREGO SOLAR E-2.3	4	AC THREE LINE DIAGRAM
BORREGO SOLAR E-2.4	4	AC THREE LINE DIAGRAM
MAN17077-D-0101	8	ONE-LINE DIAGRAM
MAN17077-D-1311	0	PT FUSE MOUNTED AT RECLOSER DETAIL
MAN17077-D-3101	0	THREE-LINE DIAGRAM - SHEET 1 OF 3
MAN17077-D-3102	0	THREE-LINE DIAGRAM - SHEET 2 OF 3
MAN17077-D-3103	0	THREE-LINE DIAGRAM - SHEET 3 OF 3
MAN17077-D-4001	0	AKP01/AKC01 - RECLOSER CONTROL SCHEMATIC
MAN17077-D-4005	0	BRU01 - PARKER INVERTER CONTROL SCHEMATICS
MAN17077-D-4006	0	CJC01 - SIEMENS CABINET CONTROL SCHEMATIC
MAN17077-D-4007	0	BRY01 SEL-351S-A, SEL-351S-B, RTAC CONTROL SCHEMATIC
MAN17077-D-4901	0	NETWORK DIAGRAM
MAN17077-D-5501	0	E3000-ESS - ENERGY STORAGE SYSTEM - EXTERNAL CONNECTION DIAGRAM
MAN17077-D-5502	0	E3000-ESS - ENERGY STORAGE SYSTEM - EXTERNAL CONNECTION DIAGRAM
MAN17077-D-5503	0	E3000-ESS - ENERGY STORAGE SYSTEM - EXTERNAL CONNECTION DIAGRAM
MAN17077-D-5504	0	E3000-ESS - ENERGY STORAGE SYSTEM - EXTERNAL CONNECTION DIAGRAM
MAN17077-D-5506	0	E3000-ESS - ENERGY STORAGE SYSTEM - EXTERNAL CONNECTION DIAGRAM
MAN17077-D-5508	0	E3000-ESS - ENERGY STORAGE SYSTEM - EXTERNAL CONNECTION DIAGRAM
MAN17077-D-5511	0	E3000-ESS - SIEMENS CONTROL CABINET I / O INTERCONNECTION DIAGRAM
MAN17077-D-5512	0	E3000-ESS - SIEMENS CONTROL CABINET I / O INTERCONNECTION DIAGRAM
MAN17077-D-5513	0	E3000-ESS - SIEMENS CONTROL CABINET I / O INTERCONNECTION DIAGRAM
MAN17077-D-5515	0	E3000-ESS - SIEMENS CONTROL CABINET I / O INTERCONNECTION DIAGRAM
MAN17077-D-5516	0	E3000-ESS - SIEMENS CONTROL CABINET I / O INTERCONNECTION DIAGRAM
MAN17077-D-5517	0	E3000-ESS - SIEMENS CONTROL CABINET TCP / IP INTERCONNECTION DIAGRAM
MAN17077-D-5518	0	E3000-ESS - SIEMENS CONTROL CABINET TCP / IP INTERCONNECTION DIAGRAM
MAN17077-TD-0002	4	CABLE SCHEDULE

ELECTRICAL REFERENCE FILES

BAT01		SCHAFFNER MTC DWG 340500K06HC01 - SUPERCEDED
BBT01		SCHAFFNER MTC DWG 340375D06HC01, SH 13 & SH 21
BCT01		SCHAFFNER MTC DWG 364000K09HC01, SH 21A
BRM01, BRT01		IE INC Dwg 213279E-1 SH 2, R0
BRS01		IE INC,Dwg 213279E-1 SH 3, R0
C301		Mokon Dwg OAD4L4030, SH 01
CJC01		Siemens Dwg 20618YS=01CJC21GW0001-01, SH 01
E-2.1		Shirley Battery Storage One-Line Diagram -R2
		G&W Dwg D1344 0006 GAO
		G&W Dwg D8706PM1Z M00
		Siemens Dwg 213276E-1

CIVIL

DWG NO.	REVISION	DRAWING TITLE
MAN17077-D-0001	1*	BATTERY STORAGE LOCATION PLAN
MAN17077-D-1101	0	ELECTRICAL EQUIPMENT FOUNDATION PLAN
MAN17077-D-1102	0	CHILLER EQUIPMENT FOUNDATION PLAN
MAN17077-D-1103	0	FOUNDATION DETAILS
MAN17077-D-1201	1*	ELECTRICAL EQUIPMENT PAD GROUNDING PLAN
MAN17077-D-1202	0	CHILLER & HEATER PAD GROUNDING PLAN
MAN17077-D-1203	0	GROUNDING DETAILS
MAN17077-D-1301	2*	ELECTRICAL EQUIPMENT CONDUIT PLAN
MAN17077-D-1302	2*	ELECTRICAL EQUIPMENT CONDUIT STUB-UP PLAN
MAN17077-D-1303	1*	CONDUIT DETAILS - SHEET 1 OF 2
MAN17077-D-1304	2*	CONDUIT DETAILS - SHEET 2 OF 2
MAN17077-D-1305	1*	PB01 & PB02 PULL BOXES & AKJ01 - JCT BOX ELEVATIONS AND DETAILS
MAN17077-D-1307	1*	ELECTRICAL ENCLOSURE CONDUIT ELEVATION AND ENTRY DETAILS
MAN17077-D-1308	0	CHILLER & HEATER PAD CONDUIT PLAN
MAN17077-D-1310	1*	STK01 - STACK CONTAINER CABLE TRAY ELEVATION AND DETAILS
MAN17077-D-2000	2*	WORKSPACE BOUNDARIES
MAN17077-D-2001	2*	ELECTRICAL EQUIPMENT PAD PLAN VIEW
MAN17077-D-2002	1*	ELECTRICAL EQUIPMENT PAD ELEVATIONS
MAN17077-D-2003	2*	CHILLER & HEATER PAD PLAN VIEW
MAN17077-D-2004	1*	CHILLER & HEATER PAD ELEVATIONS
MAN17077-TD-0001	3*	CONDUIT SCHEDULE

Note: Asterisk indicates drawing in final stages of QA/QC and are not yet issued for construction.

PROJECT SCOPE

THIS PROJECT CONSISTS OF THE INSTALLATION OF SOLAR MODULES, PER THE SYSTEM DESCRIPTION, BELOW. THE MODULES WILL BE INSTALLED ON A GROUND MOUNTED RACKING SYSTEM. THE MODULES WILL BE WIRED IN SERIES STRINGS TO COMBINER BOXES, WHERE THEY WILL BE WIRED IN PARALLEL. THE OUTPUT OF THE COMBINER BOXES WILL BE CONNECTED IN PARALLEL TO THE INVERTERS, WHICH CONVERT THE PHOTOVOLTAIC OUTPUT POWER FROM DC TO AC. THE SOLAR ELECTRIC SYSTEM WILL BE INTERCONNECTED WITH THE EXISTING SITE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE APPLICABLE ELECTRIC CODE AND NGRID REQUIREMENTS.

MECHANICAL

DWG NO.	REVISION	DRAWING TITLE
PA001	A	TITLE SHEET VIONX CHILLER PIPING
PB001	A	PIPE PLAN VIEW SHEET 1
PB002	A	ELEVATION A-A SHEET2
PB003	A	ELEVATIONS SHEET 3
PB004	A	PICTORIAL PIPING VIEW SHEET 1
PB005	A	FILTER PIPING SHEET 2
PB006	A	HEATER PIPING
PC001	A	EQUIPMENT LAYOUT
PC002	A	PIPE SUPPORT DETAILS SHEET 1
PC003	A	PIPE SUPPORT DETAILS SHEET 2
PD004	A	PIPE SUPPORT DETAILS SHEET 3

PROJECT DIRECTORY

Owner	Vionx Energy
Project Manager	John Coles
Host	National Grid
Civil Engineer	CLC
Structural Engineer	CLC
Electrical Engineer	EPS
Design Engineer	Siemens
AHJ	Shirley Town Official
Utility Contact	John Coles