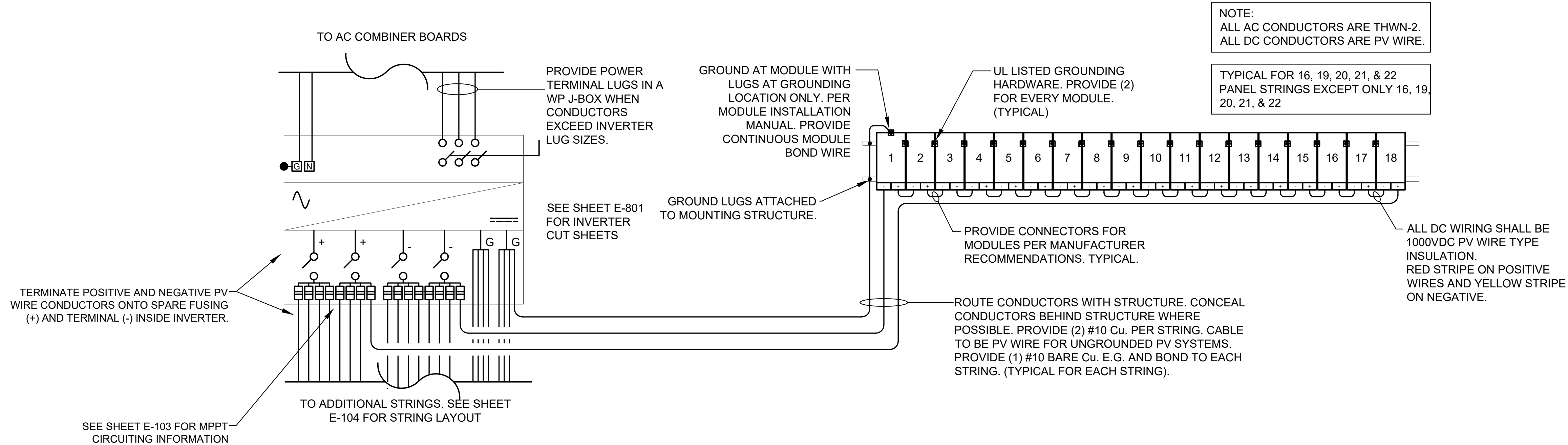


Revision Dates	
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△	
△	
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PANEL INFORMATION		
MANUFACTURE	LG NEON	
MAKE	LG320N1C-G4	
Wstc	320	W
Wcec	298.7	W
Voc	40.9	V
Vmp	33.6	V
Isc	10.5	A
Imp	9.53	A
Vtc	-0.28	%/C



**DC SINGLE LINE DIAGRAM - STRING CONNECTION DETAIL**

SCALE: NONE

STRING INFORMATION		
PANEL IN A STRING	16	
STRING MAX VOLTAGE (Voc)	696.5	V
STRING OPERATING VOLTAGE (Vmp)	537.6	V
STRING CALCULATED SHORT CIRCUIT CURRENT (Isc)	16.4	A*
STRING OPERATING CURRENT (Imp)	9.53	A
STRING WATTAGE (stc)	5120	W
STRING WATTAGE (cec)	4779.2	W
*INCLUDE 1.56 FACTOR PER NEC 690.8		

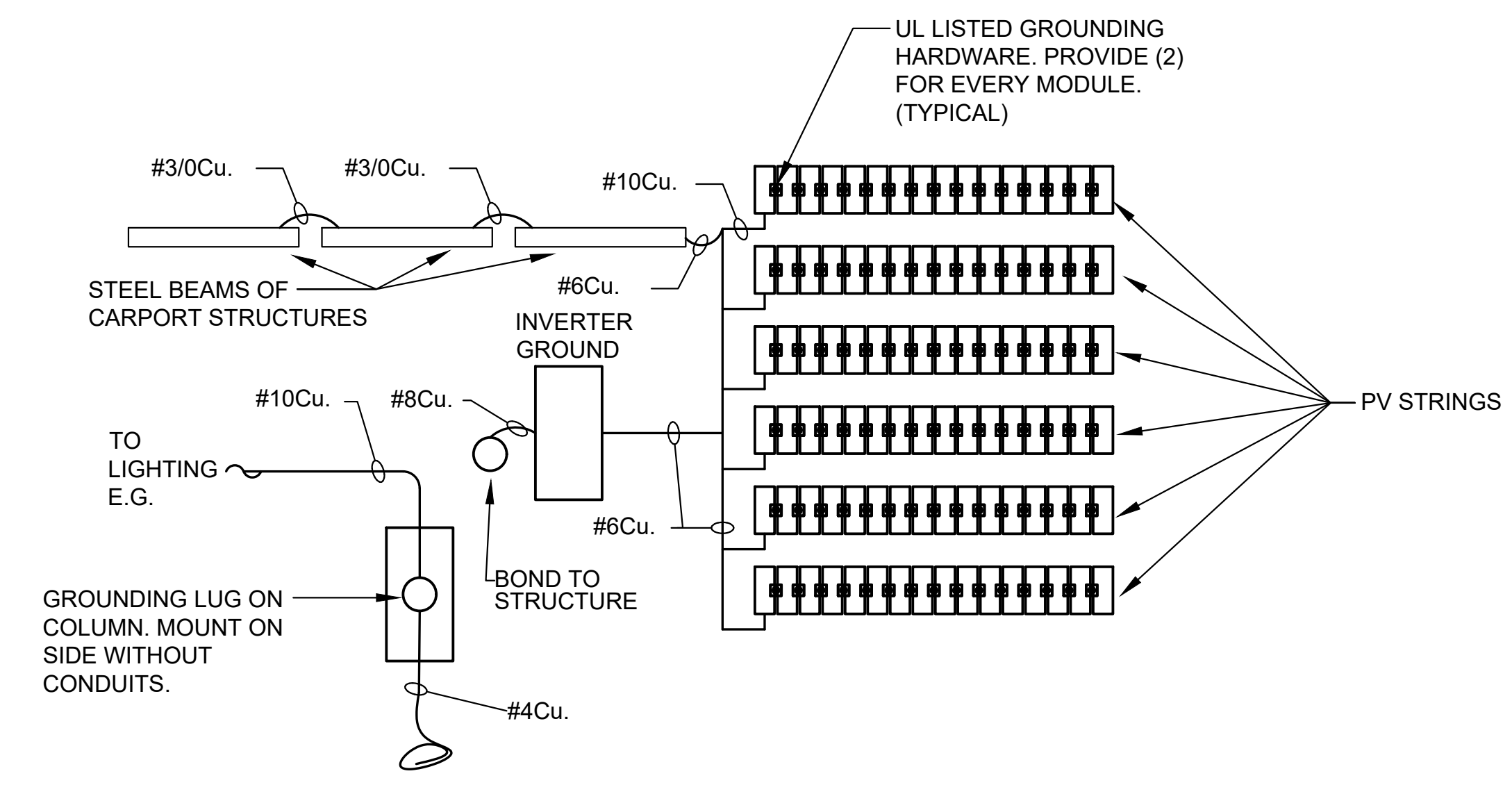
STRING INFORMATION		
PANEL IN A STRING	18	
STRING MAX VOLTAGE (Voc)	783.6	V
STRING OPERATING VOLTAGE (Vmp)	604.8	V
STRING CALCULATED SHORT CIRCUIT CURRENT (Isc)	16.4	A*
STRING OPERATING CURRENT (Imp)	9.53	A
STRING WATTAGE (stc)	5760	W
STRING WATTAGE (cec)	5376.6	W
*INCLUDE 1.56 FACTOR PER NEC 690.8		

STRING INFORMATION		
PANEL IN A STRING	19	
STRING MAX VOLTAGE (Voc)	827.1	V
STRING OPERATING VOLTAGE (Vmp)	638.4	V
STRING CALCULATED SHORT CIRCUIT CURRENT (Isc)	16.4	A*
STRING OPERATING CURRENT (Imp)	9.53	A
STRING WATTAGE (stc)	6080	W
STRING WATTAGE (cec)	5675.3	W
*INCLUDE 1.56 FACTOR PER NEC 690.8		

STRING INFORMATION		
PANEL IN A STRING	20	
STRING MAX VOLTAGE (Voc)	870.7	V
STRING OPERATING VOLTAGE (Vmp)	672	V
STRING CALCULATED SHORT CIRCUIT CURRENT (Isc)	16.4	A*
STRING OPERATING CURRENT (Imp)	9.53	A
STRING WATTAGE (stc)	6400	W
STRING WATTAGE (cec)	5974	W
*INCLUDE 1.56 FACTOR PER NEC 690.8		

STRING INFORMATION		
PANEL IN A STRING	21	
STRING MAX VOLTAGE (Voc)	914.2	V
STRING OPERATING VOLTAGE (Vmp)	705.6	V
STRING CALCULATED SHORT CIRCUIT CURRENT (Isc)	16.4	A*
STRING OPERATING CURRENT (Imp)	9.53	A
STRING WATTAGE (stc)	6720	W
STRING WATTAGE (cec)	6272.7	W
*INCLUDE 1.56 FACTOR PER NEC 690.8		

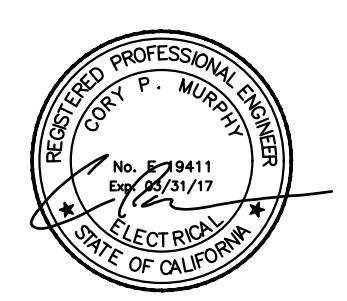
STRING INFORMATION		
PANEL IN A STRING	22	
STRING MAX VOLTAGE (Voc)	957.7	V
STRING OPERATING VOLTAGE (Vmp)	739.2	V
STRING CALCULATED SHORT CIRCUIT CURRENT (Isc)	16.4	A*
STRING OPERATING CURRENT (Imp)	9.53	A
STRING WATTAGE (stc)	7040	W
STRING WATTAGE (cec)	6571.4	W
*INCLUDE 1.56 FACTOR PER NEC 690.8		



**DC SINGLE LINE DIAGRAM - GROUNDING SCHEMATIC**

SCALE: NONE

**PHOTOVOLTAIC INSTALLATION**  
 MONTECITO VILLAGE  
 1625 SANTA VENETIA STREET  
 CHULA VISTA, CA 91913



Job Number 014-034  
SHEET DESCRIPTION

DC SINGLE LINE DIAGRAM

Sheet Number  
**PV2.2**