

**Novel Froehle Solar LLC
Solar PV Project – 1.0 MW AC
Stearns County, Minnesota**

POWER SYSTEM AND ARC FLASH HAZARD ANALYSIS REPORT

Rev.0

Certification

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed professional ENGINEER under the laws of the state of Minnesota.



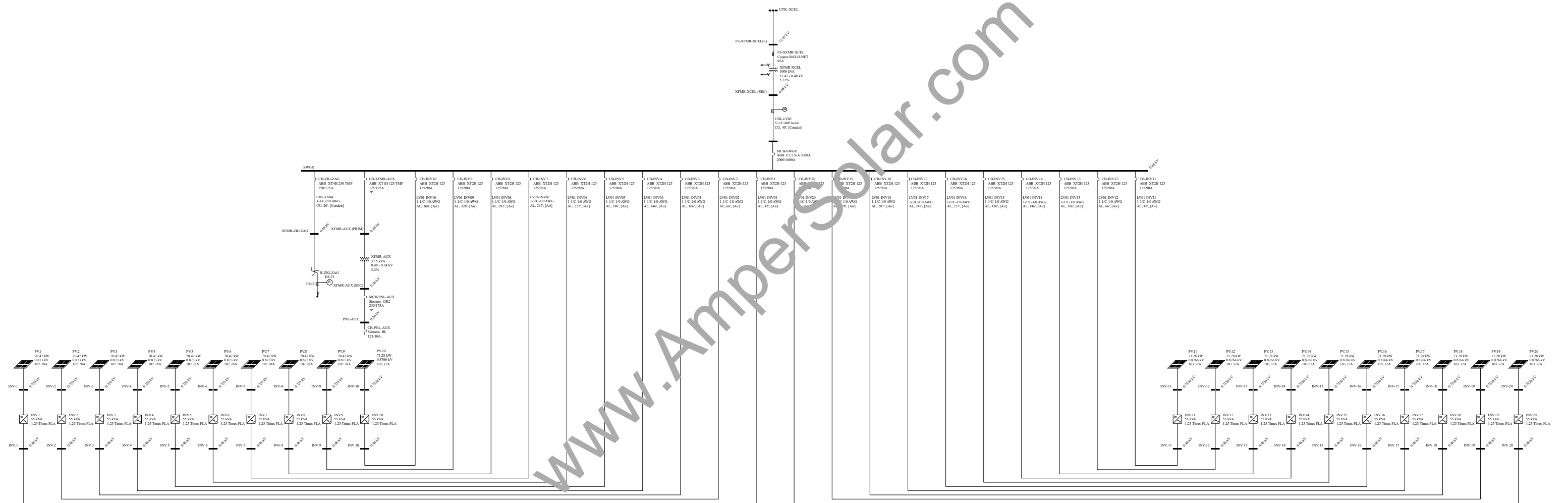
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2.4 FEEDER INPUT DATA

Feeder Input Data										
ID Name	No/Ph	Size	Length (ft)	Rating (A)	Material	Raceway Mtl	R1 ($\Omega/1000'$)	X1 ($\Omega/1000'$)	R0 ($\Omega/1000'$)	X0 ($\Omega/1000'$)
LV01-INV01	1	1/0	45	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV02	1	1/0	66	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV03	1	1/0	106	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV04	1	1/0	146	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV05	1	1/0	186	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV06	1	1/0	227	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV07	1	1/0	247	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV08	1	1/0	287	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV09	1	1/0	328	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV10	1	1/0	368	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV11	1	1/0	45	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV12	1	1/0	66	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV13	1	1/0	106	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV14	1	1/0	146	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV15	1	1/0	186	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV16	1	1/0	227	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV17	1	1/0	247	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV18	1	1/0	287	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV19	1	1/0	328	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
LV01-INV20	1	1/0	368	205	Aluminum	Air	0.184192	0.0276044	0.368385	0.0552087
CBL-LV02	5	600	40	1000	Copper	Conduit	0.0705	0.0397	0.2818	0.159
CBL-LV04	1	2/0	20	175	Copper	Conduit	0.0888	0.0405	0.3553	0.1621

CURRENT IN AMPERES X 100 AT 480 VOLTS

