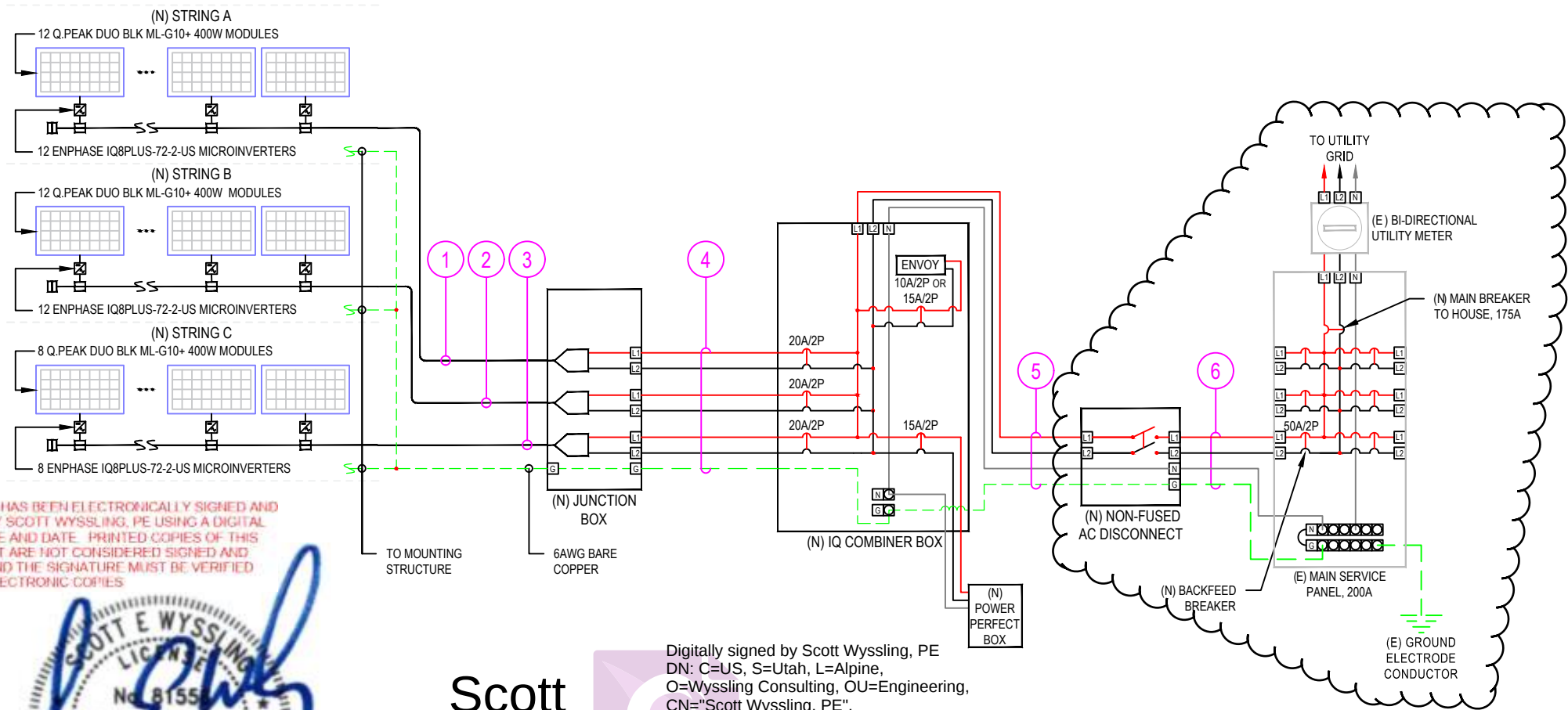


ID	INITIAL CONDUCTOR LOCATION	FINAL CONDUCTOR LOCATION	MIN. CONDUCTOR SIZE (AWG)		MIN. DIA CONDUIT SIZE (IN.)	# OF PARALLEL CIRCUITS	CURRENT-CARRYING CONDUCTORS IN CONDUIT	OCPD (A)	MIN. EGC SIZE (AWG)		TEMP. CORR. FACTOR		CONDUIT FILL FACTOR	CONT. CURRENT (A)	MAX. CURRENT (A)	BASE AMP. (A)	DERATED AMP. (A)	TERM. AMP. RATING (A)	LENGTH (FT)	VOLTAGE DROP (%)
1	STRING A	JUNCTION BOX	12	Q CABLE	N/A	1	2	N/A	6	BARE COPPER	0.76	55°C	N/A	14.52	18.15	30	N/A	N/A	50.00	0.49
2	STRING B	JUNCTION BOX	12	Q CABLE	N/A	1	2	N/A	6	BARE COPPER	0.76	55°C	N/A	14.52	18.15	30	N/A	N/A	45.00	0.44
3	STRING C	JUNCTION BOX	12	Q CABLE	N/A	1	2	N/A	6	BARE COPPER	0.76	55°C	N/A	9.68	12.10	30	N/A	N/A	80.00	0.52
4	JUNCTION BOX	IQ COMBINER	10	THWN-2 COPPER	0.75 LTNM	3	6	20	10	THWN-2 COPPER	0.96	55°C	0.8	14.52	18.15	40	24.3	35	35.00	0.53
5	IQ COMBINER	AC DISCONNECT	8	THWN-2 COPPER	0.75 LTNM	1	3	N/A	10	THWN-2 COPPER	0.96	33°C	1	38.72	48.40	55	52.8	50	5.00	0.13
6	AC DISCONNECT	MSP	8	THWN-2 COPPER	0.75 LTNM	1	3	50	10	THWN-2 COPPER	0.96	33°C	1	38.72	48.40	55	52.8	50	5.00	0.13

NOTE: LTNM OR EQUIVALENT TYPE CONDUIT



THIS PLAN HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SCOTT WYSSLING, PE USING A DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES



Wyssling Consulting, PLLC
76 N Meadowbrook Drive Alpine UT 84004
Florida License # RY34912

Date Signed 08-25-22

Scott
Wyssling, PE

Digitally signed by Scott Wyssling, PE
DN: C=US, S=Utah, L=Alpine,
O=Wyssling Consulting, OU=Engineering,
CN="Scott Wyssling, PE",
E=swyssling@wysslingconsulting.com
Reason: I am the author of this document
Location: your signing location here
Date: 2022.08.25 14:10:20-06'00'
Foxit PDF Editor Version: 11.1.0

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SCOTT WYSSLING ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEAL, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES



ATLANTIC KEY ENERGY LLC
7006 STAPOINT CT
STE B
WINTER PARK, FL 32792
+1 (407) 988-0273

PROJECT NAME & ADDRESS

ALVIN MEEKS
RESIDENCE
208 SE TEVIS AVE
LAKE CITY, FL 32025

SIGNATURE WITH SEAL

REVISIONS

DESCRIPTION	DATE	REV
BREAKER INJECTION	8/23/22	A

Drawn by: N.R.

Checked by: S.W.

Date: 8/1/22

SHEET NAME

ELECTRICAL LINE
DIAGRAM & CALCS.

SHEET NUMBER

E-2

LEGEND

(E) - EXISTING
(N) - NEW

DESIGN TEMPERATURE SPECIFICATIONS

RECORD LOW TEMP	1°C
AMBIENT TEMP (HIGH TEMP 2%)	35°C
CONDUIT HEIGHT	1.0"
CONDUCTOR TEMPERATURE RATE (ROOF)	56°C