Preliminary Pole No.	Final Pole No.	Pole Type	Ruling Span Ahead (m)	Actual Span Ahead (m)	Sag and Tension in Span Ahead at Conductor Temperature (Deg C)																			
					5		10		15		20		25		30		35		40		45		50	
					Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)
4945	4943	STRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4943	4944	STRAIN	43	43	0.16	1.15	0.16	1.12	0.16	1.09	0.17	1.07	0.17	1.04	0.18	1.01	0.18	0.99	0.19	0.96	0.19	0.93	0.20	0.91
4944	4950	SUSP	33	33	0.09	1.15	0.10	1.12	0.10	1.09	0.10	1.07	0.10	1.04	0.11	1.01	0.11	0.98	0.11	0.96	0.12	0.93	0.12	0.90
4950	4949	STRAIN	45	45	0.17	1.15	0.18	1.12	0.18	1.09	0.19	1.07	0.19	1.04	0.20	1.01	0.20	0.99	0.21	0.96	0.21	0.93	0.22	0.91
4949	4948	STRAIN	55	55	0.26	1.15	0.26	1.12	0.27	1.09	0.27	1.07	0.28	1.04	0.29	1.02	0.30	0.99	0.30	0.96	0.31	0.94	0.32	0.91
4948	15	STRAIN	105	106	0.98	1.14	1.00	1.12	1.02	1.09	1.04	1.07	1.07	1.05	1.09	1.03	1.11	1.01	1.14	0.98	1.16	0.96	1.19	0.94
15	14	STRAIN	63	67	0.38	1.14	0.39	1.12	0.40	1.09	0.41	1.07	0.42	1.04	0.43	1.02	0.44	0.99	0.45	0.97	0.46	0.94	0.47	0.92
14	13	SUSP	63	60	0.30	1.15	0.31	1.12	0.32	1.09	0.33	1.07	0.33	1.04	0.34	1.02	0.35	0.99	0.36	0.97	0.37	0.94	0.38	0.92
13	12	STRAIN	85	81	0.56	1.14	0.57	1.12	0.59	1.09	0.60	1.07	0.61	1.04	0.63	1.02	0.64	1.00	0.66	0.97	0.68	0.95	0.69	0.93
12	11	SUSP	85	77	0.51	1.14	0.52	1.12	0.53	1.09	0.54	1.07	0.56	1.04	0.57	1.02	0.58	1.00	0.60	0.97	0.61	0.95	0.63	0.93
11	10	SUSP	85	86	0.64	1.14	0.65	1.12	0.66	1.09	0.68	1.07	0.70	1.05	0.71	1.02	0.73	1.00	0.74	0.98	0.76	0.95	0.78	0.93
10	9	SUSP	85	88	0.67	1.14	0.69	1.12	0.70	1.09	0.72	1.07	0.73	1.05	0.75	1.02	0.77	1.00	0.78	0.98	0.80	0.95	0.82	0.93
9	8	SUSP	85	90	0.69	1.14	0.71	1.12	0.72	1.09	0.74	1.07	0.75	1.05	0.77	1.02	0.79	1.00	0.81	0.98	0.82	0.96	0.84	0.93
8	7	STRAIN	80	78	0.52	1.14	0.54	1.12	0.55	1.09	0.56	1.07	0.57	1.04	0.59	1.02	0.60	1.00	0.62	0.97	0.63	0.95	0.65	0.93
7	Pole 6A	SUSP	80	75	0.48	1.14	0.49	1.12	0.50	1.09	0.51	1.07	0.52	1.04	0.54	1.02	0.55	1.00	0.56	0.97	0.58	0.95	0.59	0.92
Pole 6A	6	SUSP	80	81	0.56	1.14	0.58	1.12	0.59	1.09	0.60	1.07	0.62	1.04	0.63	1.02	0.65	1.00	0.66	0.97	0.68	0.95	0.69	0.93
6	5	SUSP	80	86	0.63	1.14	0.64	1.12	0.66	1.09	0.67	1.07	0.69	1.05	0.70	1.02	0.72	1.00	0.74	0.98	0.76	0.95	0.77	0.93
5	Pole 4A	STRAIN	65	65	0.36	1.14	0.37	1.12	0.38	1.09	0.39	1.07	0.40	1.04	0.41	1.02	0.42	0.99	0.43	0.97	0.44	0.94	0.45	0.92
Pole 4A	4	SUSP	65	66	0.37	1.14	0.38	1.12	0.39	1.09	0.40	1.07	0.41	1.04	0.42	1.02	0.43	0.99	0.44	0.97	0.45	0.94	0.46	0.92
4	Pole 3A	STRAIN	56	63	0.34	1.14	0.34	1.12	0.35	1.09	0.36	1.07	0.37	1.04	0.38	1.02	0.39	0.99	0.40	0.97	0.41	0.94	0.42	0.92
Pole 3A	3	SUSP	56	46	0.18	1.15	0.19	1.12	0.19	1.09	0.20	1.07	0.20	1.04	0.21	1.01	0.21	0.99	0.22	0.96	0.22	0.94	0.23	0.91
3	2A	STRAIN	84	80	0.54	1.14	0.56	1.12	0.57	1.09	0.58	1.07	0.59	1.04	0.61	1.02	0.62	1.00	0.64	0.97	0.65	0.95	0.67	0.93
2A	2	SUSP	84	88	0.66	1.14	0.67	1.12	0.69	1.09	0.70	1.07	0.72	1.05	0.73	1.02	0.75	1.00	0.77	0.98	0.79	0.95	0.80	0.93
2	Pole 1A	STRAIN	63	67	0.39	1.14	0.40	1.12	0.41	1.09	0.42	1.07	0.43	1.04	0.44	1.02	0.45	0.99	0.46	0.97	0.47	0.94	0.48	0.92
Pole 1A	1	SUSP	63	58	0.29	1.15	0.29	1.12	0.30	1.09	0.31	1.07	0.32	1.04	0.32	1.02	0.33	0.99	0.34	0.96	0.35	0.94	0.36	0.91
1	4926	STRAIN	52	52	0.23	1.15	0.24	1.12	0.25	1.09	0.25	1.07	0.26	1.04	0.26	1.01	0.27	0.99	0.28	0.96	0.29	0.94	0.29	0.91
4926	4925	STRAIN	101	103	0.75	1.38	0.77	1.35	0.78	1.33	0.79	1.30	0.81	1.28	0.83	1.25	0.84	1.23	0.86	1.20	0.88	1.18	0.89	1.16
4925	4924	SUSP	101	99	0.84	1.14	0.86	1.11	0.88	1.09	0.90	1.07	0.92	1.05	0.94	1.02	0.96	1.00	0.98	0.98	1.00	0.96	1.02	0.94
4924	Tower 1	STRAIN	272	274	8.52	2.11	8.54	2.10	8.55	2.10	8.57	2.10	8.59	2.09	8.61	2.09	8.62	2.08	8.64	2.08	8.66	2.07	8.68	2.07
Tower 1	Tower 2	STRAIN	769	770	19.73	7.13	19.77	7.12	19.81	7.10	19.86	7.09	19.90	7.07	19.94	7.06	19.98	7.04	20.02	7.03	20.07	7.01	20.11	7.00
Tower 2	A1	STRAIN	111	113	1.22	2.55	1.24	2.53	1.25	2.50	1.26	2.48	1.27	2.46	1.28	2.44	1.29	2.41	1.30	2.39	1.32	2.37	1.33	2.35
A1	A2	STRAIN	50	50	0.21	1.15	0.21	1.12	0.22	1.09	0.23	1.07	0.23	1.04	0.24	1.01	0.24	0.99	0.25	0.96	0.26	0.94	0.26	0.91
A2	A3	SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.09	0.23	1.07	0.23	1.04	0.24	1.01	0.24	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A3	A4	STRAIN	49	50	0.21	1.15	0.21	1.12	0.22	1.10	0.22	1.07	0.23	1.04	0.24	1.02	0.24	0.99	0.25	0.96	0.26	0.94	0.26	0.91
A4	A5	SUSP	49	45	0.17	1.15	0.17	1.12	0.18	1.10	0.18	1.07	0.19	1.04	0.19	1.02	0.20	0.99	0.20	0.96	0.21	0.94	0.21	0.91
A5	A6	SUSP	49	49	0.20	1.15	0.21	1.12	0.21	1.10	0.22	1.07	0.22	1.04	0.23	1.02	0.23	0.99	0.24	0.96	0.25	0.94	0.25	0.91
A6	#REF!	SUSP	49	49	0.21	1.15	0.21	1.12	0.22	1.10	0.22	1.07	0.23	1.04	0.24	1.02	0.24	0.99	0.25	0.96	0.25	0.94	0.26	0.91

REV	AMENDMENT DETAIL	DESIGN	CHK'D	DRAWN	CHK'D	APP	DATE
A2	FOR CLIENT REVIEW	KC	JD	KC	JD	IK	12/20
A1	FOR CLIENT REVIEW	KC	JD	KC	JD	IK	07/20

CONTRACTOR

PLOT DATE:

SolomonPower
energising our nation

DESIGNED	Kelly Chang
CHECKED	James Donald
DRAWN	Kelly Chang
CHECHED	James Donald
APPROVED	Iqbal Kalsi
SIZE	SCALE
A3	NTS

SP ADSS 11kV LINE - EAST HONIARA

ADSS STRINGING CHART

LUNGGA POWER STATION - HENDERSON SOLAR FARM

DRAWING NO. SK - 13

PROJECT NO.

SHEET 1 OF 2 REV A2