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PLS-CADD Version 17.50x64 2:54:10 PM Tuesday, April 25, 2023
Data Collection Infotech (India) Pvt Ltd.
Project Name: 'E:\PLS CADD Aero Laser\13892 CORTA TELL\13892 CORTA TELL.don'
Line Title. '1'
Criteria Notes:
  Ingenieros Emetres S.L.P.
Line Statistics:
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Total alignment length: 5.21 (km), Total of span lengths strung 5.21 (km)
 Total number of sections: 29
 Longest section by linear length: 0.58 (km)
  Longest section by number of structures: 6 structures
  Total number of structures used: 47
 Average number of structures per alignment Km: 9.02, Average number of structures per span Km: 9.02
 Total number of alignment line angles: 45
 Average number of alignment line angles per alignment Km: 8.64
 Number of <= 1 deg line angles: 33
 Number of <= 5 deg line angles: 2
 Number of <= 15 deg line angles: 5
 Number of <= 30 deg line angles: 1
 Number of <= 90 deg line angles: 4
 Number of > 90 deg line angles: 0
 Total number of deadend structures: 30
 Average number of deadend structures per alignment Km: 5.76, Average number of deadend structures per span Km:
5.76
 Maximum number of suspension structures between deadend structures: 4
 Average number of suspension structures between deadend structures: 0.57
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Structure List Report

ct. ber	Station	Line Angle		Height Adjust			Name/Description/Comments/Material
 	(m)	(deg)	(m)	(m)	(m)	(deg)	

CORTA_TELL 0.00 0.00 _CORTA_TELL\Structures\Deadend Clamp.#1.stk	30.94	7.30	0.00	0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0001 30.94 71.77 _CORTA_TELL\Structures\Deadend Clamp.#2.stk	80.42	17.44	0.00	CORTA_TELL 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0002 111.37 -0.22 _CORTA_TELL\Structures\Susp Clamp.#3.stk	141.95	15.82	0.00	ARA-APY-L15067001-0001 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0003 253.31 -0.03 CORTA TELL\Structures\Susp Clamp.#4.stk	66.78	13.76	0.00	ARA-APY-L15067001-0002 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0004 320.09 -26.94 CORTA TELL\Structures\Deadend Clamp.#5.stk	79.07	15.84	0.00	ARA-APY-L15067001-0003 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0005 399.16 5.82 CORTA TELL\Structures\Deadend Clamp.#6.stk	86.02	14.05	0.00	ARA-APY-L15067001-0004 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0006 485.18 0.06	106.48	16.05	0.00	ARA-APY-L15067001-0005 0.00 E:\PLS CADD_Aero_Laser\13892
	216.29	16.12	0.00	ARA-APY-L15067001-0006 0.00 E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#8.stk ARA-APY-L15067001-0008 807.95 0.01	132.93	16.32	0.00	ARA-APY-L15067001-0007 0.00 E:\PLS CADD Aero Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#9.stk			0.00	ARA-APY-L15067001-0008
ARA-APY-L15067001-0009 940.88 -0.09 _CORTA_TELL\Structures\Susp Clamp.#10.stk	143.94	13.91	0.00	0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0010 1084.82 -10.57 _CORTA_TELL\Structures\Deadend Clamp.#11.stk	79.11	14.21	0.00	ARA-APY-L15067001-0009 0.00 E:\PLS CADD_Aero_Laser\13892
				ARA-APY-L15067001-0010

ARA-APY-L15067001-0011 1163.93 0.05 _CORTA_TELL\Structures\Susp Clamp.#12.stk	152.62	13.96	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0012 1316.55 0.03 _CORTA_TELL\Structures\Susp Clamp.#13.stk	188.42	14.42	0.00	0.00	ARA-APY-L15067001-0011 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0013 1504.97 0.03 _CORTA_TELL\Structures\Susp Clamp.#14.stk	156.52	18.26	0.00	0.00	ARA-APY-L15067001-0012 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0014 1661.49 10.33 _CORTA_TELL\Structures\Deadend Clamp.#15.stk	140.67	19.83	0.00	0.00	ARA-APY-L15067001-0013 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0015 1802.16 -0.09 _CORTA_TELL\Structures\Deadend Clamp.#16.stk	91.57	13.80	0.00	0.00	ARA-APY-L15067001-0014 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0016 1893.73 -9.89 _CORTA_TELL\Structures\Deadend Clamp.#17.stk	212.13	16.12	0.00	0.00	ARA-APY-L15067001-0015 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0017 2105.86 -0.05 _CORTA_TELL\Structures\Deadend Clamp.#18.stk	90.07	20.05	0.00	0.00	ARA-APY-L15067001-0016 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0017_NUEVO_1 2195.94 -0.05 _CORTA_TELL\Structures\Deadend Clamp.#19.stk	78.96	14.27	0.00	0.00	ARA-APY-L15067001-0017 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0018 2274.90 46.32 _CORTA_TELL\Structures\Deadend Clamp.#20.stk	96.28	11.93	0.00	0.00	ARA-APY-L15067001-0017_NUEVO_1 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0019 2371.17 -0.22 _CORTA_TELL\Structures\Susp Clamp.#21.stk	113.95	14.18	0.00	0.00	ARA-APY-L15067001-0018 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0020 2485.12 0.31 CORTA_TELL\Structures\Deadend Clamp.#22.stk	102.93	16.39	0.00	0.00	ARA-APY-L15067001-0019 E:\PLS CADD_Aero_Laser\13892
					ARA-APY-L15067001-0020

ARA-APY-L15067001-0021 2588.05 -0.12 _CORTA_TELL\Structures\Susp Clamp.#23.stk	103.33	13.87	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0022 2691.38 -0.03 _CORTA_TELL\Structures\Susp Clamp.#24.stk	119.91	14.25	0.00		ARA-APY-L15067001-0021 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0023 2811.29 0.07 _CORTA_TELL\Structures\Deadend Clamp.#25.stk	101.68	14.05	0.00		ARA-APY-L15067001-0022 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0024 2912.97 -0.08 _CORTA_TELL\Structures\Susp Clamp.#26.stk	138.53	14.17	0.00		ARA-APY-L15067001-0023 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0025 3051.50 -9.84 _CORTA_TELL\Structures\Deadend Clamp.#27.stk	129.81	14.20	0.00		ARA-APY-L15067001-0024 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0026 3181.31 0.04 _CORTA_TELL\Structures\Deadend Clamp.#28.stk	230.41	20.25	0.00		ARA-APY-L15067001-0025 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0027 3411.72 0.03 _CORTA_TELL\Structures\Deadend Clamp.#29.stk	159.24	16.71	0.00		ARA-APY-L15067001-0026 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0028 3570.97 0.13 _CORTA_TELL\Structures\Deadend Clamp.#30.stk	90.16	14.15	0.00		ARA-APY-L15067001-0027 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0030 3661.13 0.00 _CORTA_TELL\Structures\Deadend Clamp.#31.stk	83.81	14.98	0.00		ARA-APY-L15067001-0028 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0016_NUEVO_1 3866.33 0.00 _CORTA_TELL\Structures\Deadend Clamp.#32.stk	0.00	9.96	0.00		ARA-APY-L15067001-0030 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0031 4041.23 -2.90 _CORTA_TELL\Structures\Deadend Clamp.#33.stk	50.86	15.93	0.00		ARA-APY-L15067001-0016_NUEVO_1 E:\PLS CADD_Aero_Laser\13892

ARA-APY-L15067001-0031

ARA-APY-L15067001-0032 4092.09 -0.03 _CORTA_TELL\Structures\Deadend Clamp.#34.stk	120.09	12.20	0.00	0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067001-0032_NUEVO_1 4212.18 0.00 _CORTA_TELL\Structures\Deadend Clamp.#35.stk	0.00	10.16	0.00	ARA-APY-L15067001-0032 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0001 4395.99 1.07 _CORTA_TELL\Structures\Deadend Clamp.#36.stk	110.55	14.00	0.00	ARA-APY-L15067001-0032_NUEVO_1 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0002 4506.54 -0.17 _CORTA_TELL\Structures\Deadend Clamp.#37.stk	161.37	16.21	0.00	ARA-APY-L15067003-0001 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0003 4667.91 0.24 _CORTA_TELL\Structures\Susp Clamp.#38.stk	126.39	14.23	0.00	ARA-APY-L15067003-0002 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0004 4794.30 0.15 _CORTA_TELL\Structures\Susp Clamp.#39.stk	104.55	13.82	0.00	ARA-APY-L15067003-0003 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0005 4898.85 -34.39 CORTA TELL\Structures\Deadend Clamp.#40.stk	96.10	17.85	0.00	ARA-APY-L15067003-0004 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0006 4994.95 -0.79 CORTA TELL\Structures\Deadend Clamp.#41.stk	103.98	13.87	0.00	ARA-APY-L15067003-0005 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0007 5098.93 -0.08 CORTA TELL\Structures\Susp Clamp.#42.stk	80.50	13.85	0.00	ARA-APY-L15067003-0006 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0008 5179.43 0.21 CORTA TELL\Structures\Susp Clamp.#43.stk	134.20	14.11	0.00	ARA-APY-L15067003-0007 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0009 5313.63 -0.16 CORTA TELL\Structures\Susp Clamp.#44.stk	66.76	14.00	0.00	ARA-APY-L15067003-0008 0.00 E:\PLS CADD_Aero_Laser\13892
				ARA-APY-L15067003-0009

ARA-APY-L15067003-0010 5380.39 0.27 _CORTA_TELL\Structures\Susp Clamp.#45.stk	51.44	12.05	0.00	0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0010_NUEVO_1 5431.83 -0.48 _CORTA_TELL\Structures\Deadend Clamp.#46.stk	78.51	15.66	0.00	ARA-APY-L15067003-0010 0.00 E:\PLS CADD_Aero_Laser\13892
ARA-APY-L15067003-0010_NUEVO_2 5510.34 0.00 _CORTA_TELL\Structures\Deadend Clamp.#47.stk	0.00	9.73	0.00	ARA-APY-L15067003-0010_NUEVO_1 0.00 E:\PLS CADD_Aero_Laser\13892
				ARA-APY-L15067003-0010_NUEVO_2

Structure Coordinates Report

Och o Tu	Struct.	Station	Line	Ahead	x	Y	Z	Structure
Sets In	Number		Angle	Span				Name
XY Structure			_	_			, ,	
Line Angle		(m)	(deg)	(m)	(m)	(m)	(m)	
Calculation								
	RTA_TELL	0.00	0.00	30.94	759800.97	4715502.68	681.22	Deadend Clamp.#1.stk
Not Applicable ARA-APY-L15067	001-0001	30.94	71.77	80.42	759800.55	4715533.62	684.13	Deadend Clamp.#2.stk
Not Applicable								
ARA-APY-L15067	001-0002	111.37	-0.22	141.95	759876.59	4715559.81	715.76	Susp Clamp.#3.stk
Not Applicable		050 01	0 00	66 70	T.CO.010 CO	4815606 55	720 00	a a a a a a a a a a a a a a a a a a a
ARA-APY-L15067	001-0003	253.31	-0.03	66.78	760010.62	4715606.55	/38.00	Susp Clamp.#4.stk
Not Applicable ARA-APY-L15067	001-0004	320 09	-26.94	79.07	760073.66	4715628.57	749 39	Deadend Clamp.#5.stk
Not Applicable	001 0001	020.03	20.51	73.07	700073.00	1710020.07	, 13.33	beadena oramp. "o.ben
ARA-APY-L15067	001-0005	399.16	5.82	86.02	760128.39	4715685.64	763.49	Deadend Clamp.#6.stk
Not Applicable								
ARA-APY-L15067	001-0006	485.18	0.06	106.48	760193.92	4715741.37	782.87	Susp Clamp.#7.stk
Not Applicable ARA-APY-L15067	2001 0007	E01 (C	-43.39	216 20	760275.11	4715810.26	700 E4	Deadand Clamp #0 atla
Not Applicable	001-000/	391.00	-43.39	210.29	100213.11	4/13810.26	190.54	Deadend Clamp.#8.stk
110 C 17PD T CODIC								

No+ As	ARA-APY-L15067001-0008	807.95	0.01	132.93	760298.84	4716025.24	805.47	Deadend Clamp.#9.stk
NOT A	pplicable ARA-APY-L15067001-0009	940.88	-0.09	143.94	760313.44	4716157.37	828.56	Susp Clamp.#10.stk
Not A	oplicable							
	ARA-APY-L15067001-0010	1084.82	-10.57	79.11	760329.02	4716300.46	866.61	Deadend Clamp.#11.stk
Not A	oplicable	1162 02	0 05	150 60	760202 01	4716270 24	076 00	2 21 110 11
No+ A	ARA-APY-L15067001-0011 oplicable	1163.93	0.05	152.62	760323.01	4716379.34	8/6.02	Susp Clamp.#12.stk
NOC A	ARA-APY-L15067001-0012	1316.55	0.03	188.42	760311.56	4716531.53	897.89	Susp Clamp.#13.stk
Not A	oplicable	1010.00	0.00	100.12	, 00011.00	1710001.00	037.03	Susp Stamp (10 to 61
-	ARA-APY-L15067001-0013	1504.97		156.52	760297.52	4716719.43	918.46	Susp Clamp.#14.stk
Not A	pplicable							
27 1 2	ARA-APY-L15067001-0014	1661.49	10.33	140.67	760285.93	4716875.52	955.29	Deadend Clamp.#15.stk
Not A	oplicable ARA-APY-L15067001-0015	1002 16	-0.09	91.57	760300.84	4717015.40	0.41 7.6	Deadend Clamp.#16.stk
Not Ar	oplicable	1002.10	-0.09	91.57	700300.04	4/1/013.40	941.70	Deadend Clamp.#10.5ck
1100 11	ARA-APY-L15067001-0016	1893.73	-9.89	212.13	760310.41	4717106.47	943.15	Deadend Clamp.#17.stk
Not A	oplicable							-
	ARA-APY-L15067001-0017	2105.86	-0.05	90.07	760296.01	4717318.11	978.80	Deadend Clamp.#18.stk
	oplicable	0105 04		E0 06	760000 00	4818408 08	1016 04	- 1 1 cl
	APY-L15067001-0017_NUEVO_1 oplicable	2195.94		78.96	760289.82	4717407.97	1016.94	Deadend Clamp.#19.stk
NOC A	ARA-APY-L15067001-0018	2274 90	46.32	96.28	760284.33	4717486.74	1052 33	Deadend Clamp.#20.stk
Not A	oplicable	22/1.50	10.52	30.20	700201.00	1717100.71	1002.00	beddend cramp. #20.5ek
1	ARA-APY-L15067001-0019	2371.17	-0.22	113.95	760349.17	4717557.91	1086.89	Susp Clamp.#21.stk
Not A	pplicable							
	ARA-APY-L15067001-0020	2485.12	0.31	102.93	760425.59	4717642.43	1129.60	Deadend Clamp.#22.stk
Not A	oplicable ARA-APY-L15067001-0021	2500 05	0 10	103.33	760495.03	4717718.41	1106 00	Susp Clamp.#23.stk
Not A	oplicable	2300.03	-0.12	103.33	760493.03	4/1//10.41	1100.09	Susp Clamp.#23.8ck
1100 71	ARA-APY-L15067001-0022	2691.38	-0.03	119.91	760564.58	4717794.83	1226.58	Susp Clamp.#24.stk
Not A	oplicable							
	ARA-APY-L15067001-0023	2811.29	0.07	101.68	760645.25	4717883.55	1238.73	Deadend Clamp.#25.stk
Not A	oplicable	0010 05	0 00	100 50	0.00010 00	4818050 60	1005 55	
NT - + 7 -	ARA-APY-L15067001-0024	2912.97	-0.08	138.53	760713.75	4717958.69	1287.55	Susp Clamp.#26.stk
NOU A	oplicable ARA-APY-L15067001-0025	3051 50	_0 8/	129.81	760806.93	4718061.20	1328 96	Deadend Clamp.#27.stk
Not. Ar	oplicable	3031.30	J.04	123.01	700000.93	4/10001.20	1320.90	beadend cramp. #27.5ck
1	ARA-APY-L15067001-0026	3181.31	0.04	230.41	760876.55	4718170.76	1323.23	Deadend Clamp.#28.stk
Not A	pplicable							-
	ARA-APY-L15067001-0027	3411.72	0.03	159.24	761000.25	4718365.15	1341.84	Deadend Clamp.#29.stk
Not A	oplicable	2570 07	0 10	90.16	76100E 00	4710400 4E	1075 76	Doodond Clare #20
Not A	ARA-APY-L15067001-0028 oplicable	33/0.9/	0.13	90.16	761085.82	4718499.45	13/3./6	Deadend Clamp.#30.stk
NOC A	obit cante							

ARA-APY-L15067001-0030	3661.13	0.00	83.81	761134.44	4718575.38	1362.02 Deadend Clamp.#31.stk
Not Applicable ARA-APY-L15067001-0016 NUEVO 1	3866.33		0.00	760299.67	4717211.12	939.87 Deadend Clamp.#32.stk
Not Applicable	4041 00	0 00	F0 06	7.61.004.00	4710547 70	1064 15 D 1 1 01 #22 +1
ARA-APY-L15067001-0031 Not Applicable	4041.23	-2.90	50.86	761204.08	4718547.79	1364.15 Deadend Clamp.#33.stk
ARA-APY-L15067001-0032	4092.09	-0.03	120.09	761252.25	4718531.47	1354.62 Deadend Clamp.#34.stk
Not Applicable						
ARA-APY-L15067001-0032_NUEVO_1 Not Applicable	4212.18	0.00	0.00	761366.01	4718493.00	1339.62 Deadend Clamp.#35.stk
ARA-APY-L15067003-0001	4395.99	1.07	110.55	761089.89	4718646.37	1345.35 Deadend Clamp.#36.stk
Not Applicable						-
ARA-APY-L15067003-0002	4506.54	-0.17	161.37	761032.89	4718741.09	1309.68 Deadend Clamp.#37.stk
Not Applicable ARA-APY-L15067003-0003	4667.91	0.24	126.39	760949.28	4718879.11	1268.91 Susp Clamp.#38.stk
Not Applicable				, 003 13 • 20	1,100,10	1
ARA-APY-L15067003-0004	4794.30	0.15	104.55	760884.25	4718987.49	1246.91 Susp Clamp.#39.stk
Not Applicable ARA-APY-L15067003-0005	1898 85	_3/ 30	96.10	760830.70	4719077.28	1219.15 Deadend Clamp.#40.stk
Not Applicable	4070.03	34.33	20.10	700030.70	4/1/0//1.20	1217.13 Deadend Clamp.#40.3CK
ARA-APY-L15067003-0006	4994.95	-0.79	103.98	760743.46	4719117.59	1195.17 Deadend Clamp.#41.stk
Not Applicable ARA-APY-L15067003-0007	E000 03	0 00	80.50	760648.48	4719159.90	1171.01 Susp Clamp.#42.stk
Not Applicable	3090.93	-0.00	00.30	700040.40	4/19139.90	11/1.01 Susp Clamp.#42.Stk
ARA-APY-L15067003-0008	5179.43	0.21	134.20	760574.90	4719192.55	1144.57 Susp Clamp.#43.stk
Not Applicable	F010 60	0 16	66 76	7.60450 40	4710047 40	1100 10 0 01
ARA-APY-L15067003-0009 Not Applicable	5313.63	-0.16	66.76	760452.43	4719247.43	1129.19 Susp Clamp.#44.stk
ARA-APY-L15067003-0010	5380.39	0.27	51.44	760391.43	4719274.56	1120.34 Susp Clamp.#45.stk
Not Applicable						
ARA-APY-L15067003-0010_NUEVO_1 Not Applicable	5431.83	-0.48	78.51	760344.53	4719295.68	1105.90 Deadend Clamp.#46.stk
ARA-APY-L15067003-0010 NUEVO 2	5510.34	0.00	0.00	760272.68	4719327.32	1104.92 Deadend Clamp.#47.stk
Not Applicable						- "

Structure Attachment Coordinates

Coordinates and arc lengths along the wire are for weather case '*** Surveyed Wire Temp. ***', Creep RS, wind from the left.

Arc lengths are adjusted for the number of subconductors and to exclude the length of strain insulators. Arc lengths and slack are computed with any concentrated loads removed. Other columns are with concentrated loads applied.

Insulat	or						Structure			
ttach-	TIN Z be	Low Numbe	 er No. Attach-	Ahead Ahea No. Laba	ad el Label 		Name	Label		
	- tach					Point				I
•	x		z	x	Y	z	x	Y	x z	
			 	(m) (1	m) 		· 			
 88.57	759801.61 4 684.56 682.	CORTA_TEI	L 2 688.57	1 Circuit 759801.92	1 A1 D	Deadend Cl 694.28	amp.#1.stk 759801.61	Circ1 759	801.61 4715	5503.07
38.57 31.33	759800.98 4 684.11 681.	4715502.85					759800.98		800.98 4715 688.57	
38.50 30.96	759800.30 4 683.17 680.		688.50 229 0.0		C1 4715518.19	694.24	759800.30		800.30 4715 688.50	
)1.21 35.40	ARA-APY-L15 759802.23 4 0.00 0.	4715531.68		0.00			amp.#2.stk 0.00		802.23 4715 0.00	6531.68 685.40
)1.27 34.29	759800.61 4 0.00 0.	1715532.84	701.27	2 0.00	0.00	0.00	0.00	0.00		684.29
1.32	759798.98 4 0.00 0.		0.0				0.00	0.00		683.96
1.54 5.45	759802.77 4 706.05 685.			30	4715545.28		759802.77	4715532.69		685.45
01.62 34.22	759801.27 4 704.71 684.				B1 4715546.84	715.24	759801.27		801.27 4715 701.62	

701.63 683.96	759799.52 4715535.00 701.63 703.46 683.96 86.235 0.03	3 759837.76 3	C1 4715548.36	715.28 759799.52	759799.52 4715535 2 4715535.00 701.63	5.00 683.96
715 00	ARA-APY-L15067001-0002 2 759877.22 4715557.88 731.09 724.50 715.82 143.564 0.23	759944.21	4715581.25	737.63 759877.22	2 4715557.88 731.09	715.82
/15.89	759876.64 4715559.81 731.11 724.35 715.89 143.617 0.24	. 7				715.89
	759875.99 4715561.72 731.11 723.88 715.71 143.641 0.23		C1 4715585.10	737.57 759875.9	759875.99 4715561 3 4715561.72 731.11	1.72 715.71
751.30 737.53	ARA-APY-L15067001-0003 2 760011.20 4715604.61 751.30 739.99 737.53 67.721 0.01	760042.49	4715615.54	757.59 760011.20	751.30	737.53
751.28 738.01		2 760041.75 4				5.56 738.01
751.25 738.05	760010.06 4715608.47 751.25 740.69 738.05 67.038 0.01		C1 4715619.26	757.55 760010.09	760010.06 4715608 5 4715608.47 751.25	738.05
765.07 749.31	ARA-APY-L15067001-0004 2 760073.79 4715626.47 765.07 0.00 0.00 0.000 0.00		De 0.00	adend Clamp.#5.stk 0.00 0.00		
765.04 749.39	760072.84 4715628.24 765.04 0.00 0.00 0.000 0.00		0.00	0.00 0.00	760072.84 4715628 0.00 0.00	3.24 749.39
765.03 749.50	760072.00 4715630.05 765.03 0.00 0.00 0.000 0.00			0.00 0.00		749.50
765.26 749.00	760075.10 4715627.20 765.26 755.44 749.00 78.880 0.03	2	4715655.35		765.26	749.00
765.22 749.52	760074.16 4715628.96 765.22 755.50 749.52 78.510 0.03				760074.16 4715628 5 4715628.96 765.22	3.96 749.52
	760073.30 4715630.83 765.21 754.04 749.74 78.339 0.03	3 760099.99		770.25 760073.30).83 749.74
	ARA-APY-L15067001-0005 2	1	De	adend Clamp.#6.stk	Circ1 760128.95 4715683	3.50

777.40 763.17	760128.95 47156 0.00 0.00	83.50 777.40 0.000 0.00	0.00	0.00	0.00	0.00	0.00	0.00	763.17
777.36	760127.69 47156	85.04 777.36	2 0.00	0.00	0.00	0.00		27.69 47156 0.00	685.04 763.44
763.44 777.36	0.00 0.00 760126.68 47156	0.000 0.00 86 82 777 36	3 0.00	0.00	0.00	0.00	7601 0.00	26.68 47156 0.00	686.82 763.56
763.56	0.00 0.00	0.000 0.00			0.00	0.00		30.01 47156	
777.58 763.44	760130.01 47156 770.01 763.44	88.098 0.02	2				4715684.39		763.44
777.60 763.66	760129.06 47156 766.81 763.66	86.19 777.60 87.711 0.03	0		787.00	760129.06			763.66
777.56 763.75	760127.85 47156 764.70 763.75	87.81 777.56 87.559 0.02		C1 4715715.36	787.07	760127.85		27.85 47156 777.56	763.75
798.44 783.71	707 01 700 71	39.84 798.44	760235.69	4715774.46	803.92	760195.18	4715739.84	798.44	
798.43 782.88	760193.91 47157 786 95 782 88	41.39 798.43 106.856 0.06	2 760234.17						782.88
798.41 781.82	760192.60 47157 786.21 781.82			C1 4715776.84	803.79	760192.60	7601 4715742.91	92.60 47157 798.41	742.91 781.82
	ARA-APY-L150670		1	De	adend Cl	amp.#8.stk	Circ1 7602	76.19 47158	309.08
812.20 798.32	760276.19 47158 0.00 0.00	09.08 812.20 0.000 0.00	0.00	0.00	0.00	0.00	0.00	0.00	798.32
814.54	760274.42 47158		2 0.00	0.00	0.00	0.00	7602 0.00	74.42 47158 0.00	
798.38	0.00 0.00	0.000 0.00	3				7602	73.08 47158	810.77
812.10 798.59	760273.08 47158 0.00 0.00	10.77 812.10	0.00	0.00	0.00	0.00	0.00	0.00	798.59
812.23 798.53	760276.62 47158 783.31 786.52	21 09.83 812.23 216.785 0.64		1 A1 4715917.18	808.52	760285.67	7602 4715891.07	76.62 47158 808.09	309.83 798.53
814.61 798.47	760275.22 47158 782.55 785.40		2 760287.00	B1 4715917.77	810.04	760284.43		75.22 47158 809.65	
190.41	/02.33 /03.40	213.6/1 0.81	3	C1			7602	73.59 47158	311.70

812.16 798.57	760273.59 47158 781.69 785.21			4715918.32	808.29	760282.51	4715892.80	807.86	798.57
819.28 806.26	ARA-APY-L150670 760300.53 47160 0.00 0.00	001-0008 2 024.53 819.28 0.000 0.00	0.00	De 0.00	eadend Cl 0.00	lamp.#9.stk 0.00		00.53 47160	024.53 806.26
821.70 805.63	760298.77 47160 0.00 0.00	024.49 821.70 0.000 0.00	2 0.00	0.00	0.00	0.00	7602 0.00	98.77 47160	024.49 805.63
819.29 805.32	760297.06 47160 0.00 0.00	0.000 0.00	3 0.00	0.00	0.00	0.00	7602 0.00	97.06 47160	024.93 805.32
819.39 806.22	760300.65 47160 807.80 806.22	21	1 Circuit 760308.02	1 A1 4716091.32	827.73	760300.65	7603 4716025.63	00.65 47160 819.39	025.63 806.22
821.81	760298.93 47160	026.05 821.81	2 760306.18	B1 4716091.71	828.99	760298.93	7602 4716026.04	98.93 47160 821.81	026.05 805.51
805.51 819.40 805.42	807.03 805.51 760297.16 47160 806.06 805.42	133.831 0.16 025.78 819.40 134.556 0.13	3 760304.30	C1 4716091.65	828.09	760297.16	7602 4716025.78	97.16 47160 819.40	025.78 805.42
841.95	760315.38 47163	001-0009 2 157.01 841.95 148.540 0.20	760323.06						157.01 829.02
829.02 841.99 828 73	760313.42 47163		2 760321.17			760313.42		13.42 47163 841.99	157.38 828.73
841.99 827.81	760311.43 47163	157.52 841.99	3 760319.32			760311.43		11.43 47163 841.99	157.52 827.81
878.88 866.74	ARA-APY-L150670 760330.73 47162 0.00 0.00		0.00	Dea 0.00	adend Cla	amp.#11.stk 0.00	0.00	0.00	866.74
880.63 866.44	760328.93 47162 0.00 0.00	299.61 880.63 0.000 0.00	0.00	0.00	0.00	0.00		28.93 47162 0.00	299.61 866.44
878.82 866.13	760327.20 47162 0.00 0.00		3 0.00			0.00	0.00	27.20 47162 0.00	299.90 866.13
879.08	760330.72 47163 872.65 867.02	21 300.99 879.08	1 Circuit 760327.86			760330.72		30.72 47163 879.08	300.99 867.02

880.85	760328.98 4716301.21 880.85 871.82 866.60 78.952 0.03	2 760326.00	B1 4716340.32	884.17	760328.98	76032 4716301.21	8.98 471630 880.85	1.21 866.60
879.04	760327.23 4716301.02 879.04 870.97 866.28 79.245 0.03	3 760324.12	C1 4716340.16	883.27	760327.23	76032 4716301.02	7.23 471630 879.04	1.02 866.28
876 74	ARA-APY-L15067001-0011 2 760325.01 4716379.40 889.48 881.25 876.74 154.427 0.31	760319.51	4716455.51	895.84	760325.01	4716379.40	889.48	876.74
0 0 0	760323.02 4716379.43 889.47 880.25 875.92 154.435 0.30	^						
889.45 875.02	760321.02 4716379.30 889.45 879.38 875.02 154.415 0.30	3 760315.05 8	C1 4716455.37	895.88	760321.02	76032 4716379.30	1.02 471637 889.45	9.30 875.02
	ARA-APY-L15067001-0012 2 760314.00 4716531.62 910.87 897.13 897.43 190.623 0.56	760306.99	4716625.60	916.71	760313.72	4716535.35	910.86	1.62 897.25
$\times \cup / \times /$	897.13 897.43 190.623 0.56 760311.55 4716531.50 911.79 897.85 897.94 190.663 0.60	- ≺						897.82
910.82 897.46	760309.08 4716531.45 910.82 899.32 898.18 190.574 0.62	3 760302.06 5	C1 4716625.37	916.32	760308.46	76030 4716539.75	9.08 471653 910.77	1.45 897.46
	ARA-APY-L15067001-0013 2 760299.98 4716719.57 935.35 936.83 918.08 160.555 0.29	760293.84	4716797.21	949.92	760299.98	4716719.57	935.35	918.08
936.14 918.49	760297.48 4716719.47 936.14 937.07 918.49 160.797 0.31	2			760297.48	76029 4716719.47		
	760295.04 4716719.30 935.27 937.37 917.76 161.035 0.32						935.27	9.30 917.76
973.10 954.48	ARA-APY-L15067001-0014 2 760287.70 4716874.84 973.10 0.00 0.00 0.000 0.00	1 0.00	Dea 0.00	adend Clar 0.00	mp.#15.stk 0.00	Circ1 76028 0.00	7.70 471687 0.00	4.84 954.48
974.96 955.22	760285.96 4716874.76 974.96 0.00 0.00 0.000 0.000	2 0.00	0.00		0.00	76028 0.00 76028	5.96 471687 0.00 4.20 471687	955.22

973.19 955.53	760284.20 4716 0.00 0.00	875.09 973.19 0.000 0.000	0.00	0.00	0.00	0.00	0.00	0.00	955.53
973.20 954.57	760287.70 4716	21	1 Circuit 760295.24		961.05	760302.77	7602 4717014.48	87.70 47168 955.54	375.98 954.57
975.01 955.04			2 760293.38	B1 4716945.48	962.03	760300.77	7602 4717014.64	85.98 47168 955.56	376.32 955.04
973.23 955.59		876.13 973.23 140.828 0.187	3 760291.50				4717014.90		955.59
955.54 940.20	ARA-APY-L15067 760302.77 4717 0.00 0.00		0.00	Dea 0.00	dend Clar 0.00	mp.#16.stk 0.00	Circ1 7603	02.77 47170 0.00	014.48 940.20
955.56 941.68		014.64 955.56		0.00	0.00	0.00	0.00	00.77 47170 0.00	941.68
955.57 941.65	760298.78 4717 0.00 0.00	014.89 955.57 0.000 0.000	0.00	0.00	0.00	0.00	7602 0.00	98.78 47170 0.00	941.65
955.50 940.57	760302.93 4717 939.71 941.34				955.78	760304.78	7603 4717032.82	02.93 47170 955.34	940.57
955.52 941.71		016.20 955.52 89.838 0.033	2 760305.58	B1 4717060.83	956.29	760301.56	7603 4717022.23	00.94 47170 955.50	941.71
955.56 941.69	760298.94 4717 943.01 941.65		3 760303.34	C1 4717060.89	955.76	760300.76	7602 4717034.70	98.94 47170 955.36	941.69
958.34 942.79	ARA-APY-L15067 760312.78 4717 0.00 0.00		1 0.00	Dea 0.00	dend Clar 0.00	mp.#17.stk 0.00	Circ1 7603 0.00	12.78 47171 0.00	105.53 942.79
959.17 943.16	760310.22 4717 0.00 0.00	105.45 959.17 0.000 0.000		0.00	0.00	0.00	7603	10.22 47171	105.45 943.16
958.26 943.07	760307.75 4717 0.00 0.00	105.57 958.26 0.000 0.000	3 0.00	0.00	0.00	0.00	7603 0.00	07.75 47171 0.00	105.57 943.07
955.89 943.17	760312.05 4717 921.45 933.08			1 A1 4717158.94	950.64	760303.01	4717195.11	12.05 47171 949.57 10.33 47171	943.17
			_	DТ			1003	10.33 4/1/1	101.20

955.91 942 92	001 00 000 00	107.26 955.91 103.894 0.110	٦						942.92
	J21.02 J33.02	107.20 955.87	3	C1			7603	08.55 47171	
955.87 942.76	760308.55 4717 920.91 933.69	107.20 955.87 103.999 0.113	760303.25	4717158.79	950.74	760299.42	4717196.01	949.65	942.76
942.70	920.91 933.09	21	1	A1			7603	12.80 47171	07.33
958.32	760312.80 4717			4717212.43	963.87	760310.63	4717137.69	957.23	942.84
942.84	939.93 932.22	216.274 2.149	9	R 1			7603	10.29 47171	07 31
959.20	760310.29 4717	107.31 959.20	760303.16	4717212.29	965.60	760308.47	7603 4717134.06	958.35	942.91
942.91	940.22 931.83	216.205 2.11	7						0.7.4.5
958.24	760307.78 4717	107.45 958.24	3 760301 - 03	C1 4717212.47	964.14	760305.95	7603 4717135.86	07.78 47171 957.30	942.70
942.70		215.924 2.05		1,1,212,1,	30111	, 00000	1717100.00	307.00	312170
	ARA-APY-L15067	001-0017 2	1	Day	alamal Olam	#10 -+1-	Circ1 7602	07 77 47173	17 54
996.19	760297.77 4717		0.00		0.00	0.00	0.00	0.00	978.74
978.74	0.00 0.00	0.000 0.000	O						
000 60	760006 04 4717	217 06 000 60	2	0.00	0 00	0.00	7602	96.04 47173	
998.60 978.76	760296.04 4717 0.00 0.00	0.000 0.000	0.00	0.00	0.00	0.00	0.00	0.00	978.76
370.70	0.00	0.000	3					94.28 47173	17.49
996.19	760294.28 4717		0.00	0.00	0.00	0.00	0.00	0.00	978.81
978.81	0.00 0.00	0.000 0.000) 1 Circuit	1 <u>2</u> 1			7602	97.75 47173	18 51
996.55	760297.75 4717	318.51 996.55	760294.80	4717362.85	1011.81	760297.75	7602 4717318.51	996.55	978.91
978.91	994.54 978.91	95.381 0.089	9						
998.98	760295.97 4717	210 06 000 00	2	B1	1012 07	760205 07	7602 4717319.06	95.97 47173	19.06 978.95
978.95	994.76 978.95	93 915 0 096	5						970.95
			3	C1			7602 4717318.75	94.20 47173	
996.63 979.13	760294.20 4717 995.02 979.13	318.75 996.63 95.354 0.073		4717363.07	1012.10	760294.20	4717318.75	996.63	979.13
9/9.13	995.02 979.13	95.354 0.07.	L						
		_NUEVO_1 2					Circ1 7602		
1030.90		7407.20 1030.90	0.0	0.00	0.00	0.00	0.00	0.00	1016.67
1016.67	0.00 0.00	0.000 0.00	2				7602	89.87 47174	07 08
1030.87		7407.08 1030.87	0.0	0.00	0.00	0.00			1016.86
1016.86	0.00 0.00	0.000 0.00					7.00	07 05 47174	07 20
1030.99	760287 85 471	7407.39 1030.99	3	0.00	0.00	0.00		87.85 47174 0.00	1016.75
1016.75				0.00	. 0.00	0.00	. 0.00	0.00	1010.75
		21	1 Circuit	1 A1			7602	91.84 47174	08.51

	760291.84 47 1035.91 1017.3	17408.51 1031.25 1 83.694 0.0		4717446.92	1046.22	760291.84	4717408.51	1031.25	1017.31
1031.33		17408.82 1031.33	2 760287.07	B1 4717447.36	1046.60	760289.80	76028 4717408.82	9.80 47174 1031.33	108.82
1031.33	760287.80 47	17408.82 1031.33 8 84.339 0.03	3 760285.12	C1 4717447.62	1046.63	760287.80		7.80 47174 1031.33	
1063.86 1052.05		17485.34 1063.86	0.00		dend Clamp 0.00	.#20.stk 0.00	Circ1 76028 0.00	6.27 47174	185.34 1052.05
1063.91 1052.47	760284.35 47	17485.91 1063.91	0.00	0.00	0.00	0.00	0.00	4.35 47174 0.00	1052.47
1063.86 1052.29			•		0.00	0.00	0.00	2.44 47174	1052.29
1064.31 1052.35	760286.80 47 1066.00 1052.3	17486.87 1064.31)6	4717521.76	1080.22	760286.80	4717486.87		1052.35
1064.32 1052.73	760284.91 47 1066.17 1052.7	17487.47 1064.32 3 102.124 0.1	.5		1080.14	760284.91	4717487.47		1052.73
1064.30 1052.58	760282.96 47 1065.83 1052.5	17488.00 1064.30 8 102.958 0.1		C1 4717523.59	1079.94	760282.96	4717488.00	2.96 47174 1064.30	1052.58
		7001-0019 2 17556.66 1100.42 6 121.626 0.1	760388.60 88				4717556.66	1100.42	1085.96
1100.45 1087.04	760349.22 47 1107.62 1087.0	17557.93 1100.45 4 121.868 0.2)1		1119.77		4717557.93		1087.04
	760347.72 47 1108.49 1087.5	17559.18 1100.50 1 122.025 0.2						7.72 47175 1100.50	1087.52
1145.54 1128.59		17640.30 1145.54				.#22.stk 0.00	Circ1 76042 0.00	0.00	1128.59
1145.61 1129.45		17641.74 1145.61 0 0.000 0.00	0.00	0.00	0.00	0.00	76042	4.98 47176 0.00	1129.45

	423.55 4717643.13 0 0.00 1130.28
1130 28	400 00 404 044 05
1130.28 0.00 0.00 0.000	427.72 4717641.75 5 1146.18 1129.41
2 B1 760 1146.19 760426.23 4717643.12 1146.19 760460.64 4717680.78 1170.93 760426.23 4717643.1	426.23 4717643.12
1129.93 1159.19 1129.93 115.502 0.090	
3 C1 760 1146.14 760424.64 4717644.35 1146.14 760459.13 4717682.05 1170.94 760424.64 4717644.3	424.64 4717644.35
1131.04 1159.47 1131.04 115.673 0.089	1 1110.11
ARA-APY-L15067001-0021 2 1 Circuit 1 A1 Susp Clamp.#23.stk Circ1 760	496.51 4717717.01
1200.12 760496.51 4717717.01 1200.12 760531.31 4717755.27 1217.84 760496.51 4717717.0 1185.61 1203.45 1185.60 111.062 0.114	
	495.06 4717718.44
1200.13 760495.06 4717718.44 1200.13 760529.81 4717756.65 1218.01 760495.06 4717718.4 1186.77 1204.39 1186.77 110.914 0.099	4 1200.13 1186.77
3 C1 760 1200.16 760493.61 4717719.75 1200.16 760528.36 4717757.98 1218.01 760493.61 4717719.7	493.61 4717719.75
1200.16 760493.61 4717719.75 1200.16 760528.36 4717757.98 1218.01 760493.61 4717719.7 1187.28 1205.32 1187.28 110.931 0.100	5 1200.16 1187.28
ARA-APY-L15067001-0022 2 1 Circuit 1 A1 Susp Clamp.#24.stk Circ1 760	566.11 4717793.54
1240.22 760566.11 4717793.54 1240.22 760606.12 4717837.55 1243.12 760568.42 4717796.0	8 1240.21 1225.66
	564.57 4717794.85
1226 77 1229 69 1226 77 - 119 883 - 0 211	5 1240.24 1226.77
3 C1 760 1240.22 760563.12 4717796.21 1240.22 760603.22 4717840.33 1243.45 760563.12 4717796.2	563.12 4717796.21
1240.22 760563.12 4717796.21 1240.22 760603.22 4717840.33 1243.45 760563.12 4717796.2 1227.27 1231.84 1227.27 120.070 0.194	1 1240.22 1227.27
ARA-APY-L15067001-0023 2 1 Deadend Clamp.#25.stk Circ1 760	646.12 4717881.57
1252.61 760646.12 4717881.57 1252.61 0.00 0.00 0.00 0.00 0.00	0 0.00 1236.43
1236.43 0.00 0.00 0.000 0.000	644.65 4717882.92
1252.60 760644.65 4717882.92 1252.60 0.00 0.00 0.00 0.00 0.00	
1238.59 0.00 0.00 0.000 0.000 3 760	643.31 4717884.45
1252.62 760643.31 4717884.45 1252.62 0.00 0.00 0.00 0.00 0.00	
1239.16 0.00 0.00 0.000 0.000	
21 1 Circuit 1 A1 760 1252.92 760647.25 4717882.78 1252.92 760681.20 4717920.02 1274.19 760647.25 4717882.7	647.25 4717882.78

1237.64	1257.05 1237.64	111.866	0.155							
	760645.84 4717		2		В1			760645	.84 47178	84.21
1252.91	760645.84 4717	884.21 1252.			4717921.46	1274.42	760645.83	4717884.21 1	.252.91	1238.85
1238.85	1258.25 1238.85	111.901	0.131					T.C.O.C.4.4		05 65
1050 04	760644.46 4717	00E CE 10E0	3		C1	107/ 17	7.00.044.40		1.46 47178	
	1259.63 1239.78				4/1/922.90	12/4.1/	760644.46	4/1/885.65 1	.252.94	1239.78
1239.70	1239.03 1239.70	111.911	0.139							
	ARA-APY-L150670	01-0024 2	1	Circuit :	1 A1 S	Susp Clar	mp.#26.stk	Circ1 760715	.15 47179	57.26
	760715.15 4717	957.26 1301.	.10	760761.46	4718008.37	1315.78	760715.15	4717957.26 1	.301.10	1285.87
1285.87	1296.43 1285.87	144.093	0.483							
1001 10	760740 70 4747	050 50 4004	2		B1	1015 05	560510 50	760713	3.78 47179	58.72
	760713.78 4717				4718009.57	1317.05	760713.78	4717958.72 1	.301.12	1287.42
1287.42	1297.94 1287.42	144.092	0.417		C1			760712	2.40 47179	60 15
1301 13	760712.40 4717	960 15 1301	13 '	760758 77	4718010 99	1315 74	760712 40	4717960 15 1	40 47179 301 13	1288.29
1288.29	1299.64 1288.29	143.809	0.495	700730:77	1710010:33	1313.71	700712:10	1717900:13 1	301.13	1200.29
	ARA-APY-L150670				Dead	dend Clar	mp.#27.stk	Circ1 760807	.77 47180	59.48
	760807.77 4718				0.00	0.00	0.00	0.00	0.00	1327.62
1327.62	0.00 0.00	0.000	0.000					76000		60.40
1242 00	760806.26 4718	0.00 42 1242	2	0.00	0.00	0 00	0.00		0.00 0.00	1328.61
1342.89	0.00 0.00	0.000	0.000		0.00	0.00	0.00	0.00	0.00	1328.01
1320.01	0.00	0.000	3					760805	5.15 47180	61.83
1341.10	760805.15 4718	061.83 1341.	-	0.00	0.00	0.00	0.00	0.00	0.00	
1329.96	0.00 0.00	0.000								
				Circuit					3.69 47180	
	760808.69 4718				4718114.96	1336.46	760842.53	4718113.99 1	.336.46	1327.98
1327.98	1316.89 1317.17	128.956	0.492		D 1			7.0000	7 41 47100	C1 0 C
1343.04	760807.41 4718	061 06 12/2	2		B1	1220 01	760011 11		7.41 47180	
	1318.47 1319.01		0.381		4/10113.91			4/10113.00 1	.330.91	1320.00
1320.00	1310.47 1319.01	120.431	3		C1			760805	5.88 47180	62.79
1341.26	760805.88 4718	062.79 1341.			4718116.96	1337.07	760839.78			
1330.17	1319.43 1319.59	128.755	0.388							
1041 -1	ARA-APY-L150670		1					Circ1 760877		
1341.51 1322.94	760877.60 4718 0.00 0.00		0.000	0.00	0.00	0.00	0.00	0.00	0.00	1322.94
1322.94	0.00 0.00	0.000	0.000					760876	5.03 47181	69 96
1343.33	760876.03 4718	169.96 1343	_	0.00	0.00	0.00	0.00		0.00	1323.27
1323.27	0.00 0.00		0.000		3.00	0.00	J.00	J • J J	3 . 3 3	1020,27
			3					760874	1.74 47181	71.13

1341.53 1323.79		4718171).00	1.13 1341. 0.000			0.00	0.00	0.00	0.00	0.00	1323.79
1341.49	760878.43 1298.12 1291	4718170	21 0.43 1341.	1	Circuit 1		1335.07	760923.39		8.43 4718 1334.08	170.43 1322.81
1343.26	760877.18 1298.95 1291	4718171	L.68 1343.	2	760938.51	B1 4718268.11	1335.89	760923.07		7.18 4718 1334.95	171.68 1322.95
1341.46		4718172	2.62 1341.	.46	760937.06	C1 4718269.08	1334.77	760920.92		5.69 4718 1333.79	172.62 1323.68
1356.47	ARA-APY-L15 761001.32	5067001- 4718363	-0027 2 3.59 1356.	1.47	0.00	Dead 0.00	dend Clamp 0.00	.#29.stk 0.00	Circ1 76100 0.00	1.32 4718	363.59 1341.53
1341.53 1358.33 1341.89	760999.84	4718364 .00	0.000 4.54 1358 0.000	0.000 2 .33 0.000	0.00	0.00	0.00	0.00		9.84 4718	364.54 1341.89
1356.43 1342.38	760998.42		5.53 1356.	3 .43 0.000	0.00	0.00	0.00	0.00	76099 0.00	0.00 0.00	
	761002.10 1347.89 1341		21 4.81 1356 L61.806	.71 0.852	Circuit 1 761044.53	4718431.41	1364.94	761002.10	4718364.81		1341.52
1358.52 1342.10	761000.87 1348.68 1342		5.09 1358. L61.045	0.810	761043.11		1366.96	761000.87	4718366.09		1342.10
1356.71 1342.78	760999.50 1349.73 1342			3 .71 0.833	761041.73	C1 4718433.51	1365.07	760999.50		9.50 4718 1356.71	367.23 1342.78
1387.81 1375.43				1 .81 0.000	0.00	Dead 0.00	dend Clamp 0.00	.#30.stk 0.00	Circ1 76108 0.00	6.96 4718 0.00	
1389.64 1375.50	761085.35 0.00	4718498 0.00	3.64 1389 0.000	0.000	0.00	0.00	0.00	0.00	0.00	5.35 4718 0.00	1375.50
1387.87 1376.29	761083.95 0.00	4718499 .00	0.000	0.000	0.00	0.00	0.00	0.00	76108 0.00	3.95 4718 0.00	
1387.86 1375.55	761087.76 1363.20 1361		21 9.25 1387 87.996	.86 0.093	Circuit 1761111.18	4718536.04	1380.63	761134.61	4718572.83		1375.55
				2		B1			76108	6.40 4718	500.37

1389.70 761086.40 4718500.37 1389.70		4718537.55	1381.59	761133.95	4718574.73 13	76.98	1375.53
1375.53 1362.99 1361.98 89.265 0.09	3 3	C1			761001	58 471850	0.70
1387.99 761084.58 4718500.79 1387.99			1380 88	761133 16			1375.90
1375.90 1363.12 1361.62 90.646 0.07		4710330.01	1300.00	701133.10	4/105/0.44 15	77.00	1373.30
1373.30 1303.12 1301.02 30.010 0.0							
ARA-APY-L15067001-0030 2	1	Dea	dend Clam	p.#31.stk	Circ1 761134.	61 471857	2.83
1376.93 761134.61 4718572.83 1376.93	0.00	0.00	0.00	0.00	0.00	0.00	1361.79
1361.79 0.00 0.00 0.000 0.00							
	2					95 471857	
1376.98 761133.95 4718574.73 1376.98	0.00	0.00	0.00	0.00	0.00	0.00	1361.98
1361.98 0.00 0.00 0.000 0.00					E 61 1 0 0	16 481058	
1377.05 761133.16 4718576.44 1377.05	3 0.00	0.00	0.00	0.00		16 471857	1361.62
1377.05 761133.16 4718576.44 1377.05 1361.62 0.00 0.00 0.000 0.00		0.00	0.00	0.00	0.00	0.00	1361.62
	1 Circuit	1 A1			761135	84 471857	6 37
1373.97 761135.84 4718576.37 1373.97			1365 54	761091 71			1362.09
1362.09 1356.58 1345.49 84.405 0.04		1710011.07			1710010.77 10	03.00	1002.00
	2	В1			761134.	05 471857	6.11
1373.97 761134.05 4718576.11 1373.97	761112.20	4718610.91	1365.43	761090.34	4718645.71 13	59.38	1361.84
1361.84 1356.13 1345.34 83.522 0.04	18						
	3	C1				71 471857	
		4718609.97	1365.49	761088.70	4718645.00 13	59.37	1361.49
1361.49 1355.80 1345.12 84.087 0.04							
21		A1	1000 00	7.4406.06		06 471857	
1376.91 761136.06 4718573.19 1376.91		4718559.68	1377.72	761136.06	4718573.19 13	76.91	1361.70
1361.70 1366.11 1361.70 71.989 0.02	20	В1			761125	19 471857	E 01
1376.95 761135.19 4718575.21 1376.95			1277 06	761125 10	4718575.21 13		
1362.07 1366.76 1362.07 73.406 0.01		4/10301.03	13//.00	701133.19	4/103/3.21 13	70.93	1302.07
1302.07 1300.70 1302.07 73.400 0.01	3	C1			761134	61 471857	7 04
1377.02 761134.61 4718577.04 1377.02			1377.75	761135.03			
1362.12 1367.07 1362.16 74.717 0.02							
	1	Dea	dend Clam	p.#32.stk	Circ1 760301.	41 471721	0.66
949.77 760301.41 4717210.66 949.77		0.00	0.00	0.00	0.00	0.00	939.72
939.72 0.00 0.00 0.000 0.000							
	2					68 471721	
949.81 760299.68 4717210.32 949.81	0.00	0.00	0.00	0.00	0.00	0.00	939.76
939.76 0.00 0.00 0.000 0.000) 3				760007	04 471701	0 27
949.81 760297.94 4717210.37 949.81	0.00	0.00	0.00	0.00		94 471721 0.00	
939.72 0.00 0.00 0.000 0.000		0.00	0.00	0.00	0.00	0.00	909 . 14
555.72 0.00 0.00 0.000	,						

	ARA-APY-L1 761202.69	4718546	5.17 1380	.01	0.00			.#33.stk	Circ1 7612		546.17 1363.68
1363.68 1379.99		0.00 4718548	0.000	0.000		0.00	0.00	0.00	7612 0.00	03.33 47185	548.10 1364.14
1364.14		0.00	0.000	0.000						04.14 4718	
1379.99 1364.17		4718549 0.00	0.000	0.000		0.00	0.00	0.00	0.00		1364.17
	761204.34 1359.62 135		21 5.55 1379 50.816	.85 0.011		4718537.68	1372.89	761250.88	4718529.81		1363.68
1379.90 1364.10	761204.92 1359.93 135		7.47 1379 50.841	2 .90 0.003	761228.20	B1 4718539.60	1373.15	761251.48		04.92 47185 1366.91	
	761205.79 1360.47 135			3 .83 0.005	761229.04	C1 4718541.44	1373.04	761252.29		05.79 47185 1366.87	
1366.88 1354.22					0.00	Dead 0.00	dend Clamp 0.00	.#34.stk 0.00	Circ1 7612:	50.88 4718 0.00	529.81 1354.22
1366.91 1354.72		4718531 0.00	.73 1366 0.000	0.000	0.00	0.00	0.00	0.00	0.00	51.48 47185 0.00	1354.72
1366.87 1354.72		4718533 0.00	0.000	0.000	0.00	0.00		0.00	0.00		1354.72
1366.64 1354.29	761252.48 1344.93 133						1355.49	761364.76	76123 4718491.55	52.48 47185 1349.77	529.26 1354.29
1366.66 1354.88	761253.06 1345.19 133		.18 1366	2 .66 0.142	761309.23	B1 4718512.17	1355.67	761365.40		53.06 47185 1349.78	
1366.65 1354.77	761253.67 1345.25 133			3 .65 0.133	761309.85	C1 4718513.96	1355.70	761366.03		53.67 47185 1349.70	533.10 1354.77
ARA-AP1 1349.77 1339.47	Y-L15067001- 761364.76 0.00		.55 1349		0.00			.#35.stk 0.00	Circl 7613 0.00		491.55 1339.47
1349.78 1339.49	761365.40 0.00	4718493 0.00		2 .78 0.000	0.00	0.00	0.00	0.00	7613 0.00	65.40 47184 0.00	493.15 1339.49

1349.70 1339.84	761366.02 0.00	471849 0.00	4.82 1349	3 .70 0.000	0.00	0.00	0.00	0.00	76136 0.00	0.00 discourage	494.82 1339.84
1359.38 1345.49	ARA-APY-L1 761091.71 0.00				0.00	Dead 0.00	dend Clamp 0.00	.#36.stk 0.00	Circ1 76109 0.00	91.71 4718 0.00	646.77 1345.49
1359.38 1345.34		471864 0.00	5.71 1359 0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	1345.34
1359.37 1345.12	761088.70 0.00	471864 0.00	5.00 1359 0.000 21	0.000	0.00	0.00	0.00	0.00	0.00	38.70 4718 0.00	1345.12
1359.10 1345.06	761091.07 1327.51 130				761063.11	A1 4718695.03 B1	1340.17	761035.15	4718742.22	91.07 4718 1324.98 39.48 4718	1345.06
1359.16 1345.04	761089.48 1327.34 130		7.06 1359 114.440		761061.28	4718693.94 C1	1340.80	761033.07	4718740.83		1345.04
1359.04 1345.02	761088.01 1327.33 130		6.13 1359 114.635	_		4718692.79	1340.27	761030.93	4718739.45		1345.02
1324.98 1309.35	ARA-APY-L1 761035.15 0.00			.98 0.000	0.00	Dead 0.00	dend Clamp 0.00	.#37.stk 0.00	Circ1 76103 0.00	0.00	1309.35
1325.88 1309.71		471874 0.00	0.83 1325	.88 0.000 3	0.00	0.00	0.00	0.00	0.00	33.07 4718 0.00 30.93 4718	1309.71
1324.99 1309.45	761030.93 0.00	471873 0.00	9.45 1324 0.000 21	.99 0.000	0.00	0.00 A1	0.00	0.00	0.00	0.00	1309.45
1324.92 1309.29	761034.78 1281.09 126	-			760992.93	4718811.44 B1	1299.83	760951.08	4718880.07		1309.29
1325.82 1309.51	761032.60 1281.01 126		1.53 1325 166.686		760990.98	4718810.28	1300.08	760949.35	4718879.03		1309.51
1324.92 1309.41	761030.53 1281.11 126		0.14 1324 166.735	-	760989.04	4718809.13	1299.71	760947.55	4718878.13		1309.41
1282.68	ARA-APY-L1 760951.08				Circuit 1 760918.52	A1 8 4718934.29	Susp Clamp 1269.02		Circ1 76095 4718988.52		880.07 1268.36

1268.36	1253.64 1246	6.53	128.593	0.122							
	760949.35			2		B1			76094	9.35 4718	879.03
1282.64	760949.35	471887	9.03 1282	.64	760916.80	4718933.25	1268.93	760884.25	4718987.47	1260.21	1268.94
1268.94	1254.00 1246	6.88	128.584	0.125		~1			T. C.O.O.		000 10
1000 55	560045 55			3		C1	1000			17.55 4718	
	760947.55					4718932.28	1268.93	760882.53	4718986.44	1260.20	1269.52
1269.52	1254.19 1248	3.50	128.414	0.121							
	ARA-APY-L1	5067003	1-0004 2	1	Circuit :	1 A1 :	Susp Clamp.	.#39.stk	Circ1 76088	55.96 4718	
	760885.96					4719033.32	1247.05	760832.42	4719078.11	1237.08	1246.53
1246.53	1236.09 1219	9.87	106.981	0.063							
1000 01	560001.05			2		B1	1015 00	T	76088	34.25 4718	
	760884.25					4719032.02	1247.00	760831.08	4719076.57	1237.03	1246.88
1246.88	1236.74 1219	9.03	106.378	0.063		~1			T. C.O.O.C	00 50 4510	006 44
1060 00	E60000 F0	451000		3		C1	1045 06	760000 70		32.53 4718	
	760882.53				760856.12	4719030.78	1247.06	760829.72	4719075.11	1237.02	1248.50
1248.50	1237.01 1217	7.88	105.836	0.057							
						_			Circ1 76083		000 11
1000 00	ARA-APY-L15				0.00	Dead	dend Clamp.	.#40.stk	Circl 76083	32.42 4719	078.11
	760832.42					0.00	0.00	0.00	0.00	0.00	1219.87
1219.87	0.00	0.00	0.000	0.000					T.6006	1 00 4510	000 50
1007 00	7.60001 00	471007		2		0.00	0 00	0 00		31.08 4719	
1237.03					0.00	0.00	0.00	0.00	0.00	0.00	1219.03
1219.03	0.00	0.00	0.000	0.000					7.000	0 0 0 4010	085 11
1007 00	760000 70	471007	F 11 1007	3		0.00	0 00	0.00	76082	29.72 4719	
1237.02					0.00	0.00	0.00	0.00	0.00	0.00	1217.88
1217.88	0.00	0.00	0.000			1 3.1			7.000)1 40 4710	070 00
1006 07	760831.40	171007			Circuit					31.40 4719	
						4/19099.05	1221.39	760745.11	4/19119.00	1209.12	1219.77
1219.77	1203.00 1195	0.82	99.103	0.064		D.1			7.000	00 07 4710	077 67
1236.80	760829.97	171007	7 (7 100(2		B1 4719097.49	1001 04	760742 00	4719117.32	29.97 4719	
	1201.97 1195					4/1909/.49	1221.34	760743.98	4/1911/.32	1209.09	1218.96
1218.96	1201.97 1195	0.16	98.724	0.064		01			7.000	00 60 4710	076 01
1006 76	760828.60	171007	C 01 100C			C1	1001 00	760740 04		28.60 4719	
	1200.46 1194					4/19095.93	1221.38	760742.84	4/19115.64	1209.07	1217.81
1217.81	1200.46 1194	4.03	98.423	0.059							
	ARA-APY-L15	E067002	-0006 2	1		Daa	dand Clare	# / 1 a + 1.	Circ1 76074	IE 11 1710	110 00
1209.12					0.00			0.00		0.00	119.00
1209.12		4/1911 0.00		0.000		0.00	0.00	0.00	0.00	0.00	1193.82
1193.82	0.00	J. UU	0.000	0.000					7607/	13.98 4719	117 20
1200 00	760743.98	171011	7 22 1200	_	0.00	0.00	0 00	0.00			117.32
1209.09		4/1911 0.00		0.000		0.00	0.00	0.00	0.00	0.00	1193.10
1193.16	0.00	J. UU	0.000	3					7607/	12.84 4719	115 64
				3					/60/4	.2.04 4/19	110.04

1209.07 1194.03			5.64 1209. 0.000			0.00	0.00	0.00	0.00	0.00	1194.03
1208.85	760743.72	471911	21 9.70 1208.	85 1	Circuit 760696.53	1 A1 4719140.7	1 1194.07	760649.34	76074 4719161.72	13.72 4719 1184.43	119.70 1195.38
	1180.15 1171 760742.70			0.158 2 85		B1 4719138.9	5 1194.02	760648.40		12.70 4719 1184.38	
1194.89	1179.55 1171 760741.66	.07	106.229	0.160		C1			76074	11.66 4719	116.26
	1178.21 1170					4/1913/.1	9 1194.04	/6064/.53	4/19158.13	1184.40	1193.82
1171 17	ARA-APY-L15 760649.34 1159.45 1145	471916	1.72 1184.	43	760612.50	4719178.0	5 1169.81	760575.65	4719194.38	1158.23	161.72 1171.47
11/1.1/	1100.40 1140	. 00	04.024	2		В1			76064	18.40 4719	159.92
1184.38 1171.07	760648.40 1158.45 1144	1.79	84.680	0.069)						1171.07
	760647.53	454045		3		C1			76064	17.53 4719	158.13
1184.40 1170.24	1157.44 1143	4/1915 3.70		0.068		4/191/4.4.	1 1169./4	/605/4.06	4/19190.68	1158.17	11/0.24
	ARA-APY-L15	5067003	-0008 2	1	Circuit 1	1 A1	Susp Clamp	.#43.stk	Circ1 7605	75.65 4719	194.38
	760575.65	471919	4.38 1158.	23	760514.56						
1145.68	1131.29 1130	0.09	135.168			- 4			5.005		100 55
1158.20	760574.86	171010	2 55 1150	20	760513 63	B1	0 11/15 00	760460 11	/605. 4719243 98	74.86 4719	1111 70
	1129.26 1128	3.75	2.33 1136. 135.464	0.386						1142.01	1144.79
				3		C1			76057	74.07 4719	
	760574.07					4719218.1	6 1146.02	760458.85	4719242.35	1142.63	1143.70
1143.70	1127.89 1127	7.86	135.612	0.378							
	ARA-APY-L15	5067003	-0009 2	1	Circuit 1	1 A1	Susp Clamp	.#44.stk	Circ1 76045	53.47 4719	249.14
1142.67	760453.47	471924	9.14 1142.	67	760422.90	4719262.7	4 1136.34	760392.32	4719276.34	1131.92	1130.41
1130.41	1125.20 1120	.60	67.812	0.035	· •						
1140 60	760452.41	471004	7 40 1140	2	7.60401 00	B1	0 1126 25	7.60201 42	76045	52.41 4719	247.43
1142.68	1124.42 1120	4/1924	7.43 1142. 67 634	0.043		4/19/60.9	9 1136.25	760391.43	4/192/4.55	1131.93	1129.39
1129.09	1121.12 1120	, . J 1	07.001	3		C1			76045	51.48 4719	245.65
	760451.48 1122.62 1119			69 0.045		4719259.20	0 1136.24	760390.51			
	ARA-APY-L15	5067003	-0010 2	1	Circuit 1	1 A1	Susp Clamp	#45 stk	Circ1 76039	92 33 4719	276 34
1131.92	760392.33	471927	6.34 1131.	92	760369.52	4719286.60	0 1125.93	760346.71	4719296.87	1121.03	1120.60

1120.60 1112	2.36 110	7.88	51.206	0.015							
				2		B1			760391	1.44 47192	
1131.93 76 1120.34 1110			1.55 1131 50.471	.93 0.018		4719284.68	1126.25	760346.37	4719294.82	1121.75	1120.34
				3		C1				0.51 47192	
1131.97 76 1119.65 1109						4719283.02	1125.90	760344.92	4719293.29	121.06	1119.65
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		4/19290 0.00	$5.8\overline{7}$ 1121 0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	1107.88
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1121.75 76 1105.82 0		4719294 0.00	0.000	.75 0.000	0.00	0.00	0.00	0.00	0.00	0.00	1105.82
				3						4.92 47192	
1121.06 76 1105.67 (4719293 0.00	0.000		0.00	0.00	0.00	0.00	0.00	0.00	1105.67
			21	1	Circuit :					4.41 47192	
1120.68 76 1106.07 1104				.68 0.053		4719313.33	1116.42	760273.77	4719328.74	114.64	1106.07
1106.07 1104	1.2/ 110	4.02	77.356	2		В1			760342	2.99 47192	296.37
						4719311.69	1116.91	760273.32	4719327.02	114.65	1105.40
1105.40 1103	3.49 110	4./6	76.438	0.040		C1			760342	2.17 47192	294.54
						4719310.01	1116.13	760272.32	4719325.49	1114.60	1105.39
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ARA-APY-L15						Dea			Circ1 760273		
		4719328 0.00	$3.7\overline{4}$ 1114 0.000	.64 0.000	0.00	0.00	0.00	0.00	0.00	0.00	1104.82
1104.02		0.00	0.000	2						3.32 47193	327.02
		4719327 0.00	7.02 1114 0.000	.65 0.000	0.00	0.00	0.00	0.00	0.00	0.00	1104.76
1104.70	0.00	0.00	0.000	3					760272	2.32 47193	325.49
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Circuit and	Phase D	efinitio	ons and La	abels:							
Section Sec	ction	Cable	Section	I			Start St	art Start			End

Structure Set #Phase |

Label Label | Link |

End | Jumpers | Connected Connected Connected | Circuit Phase | Break | Notes

Set # Phase # Section # |

File Voltage |

(kV) |

Note

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Structure

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2 1 No No 1 0 Circuit 1 A1 No ARA-APY-L15067001-0005 21 2 ARA-APY-L15067001-0007 2 2 No No 2 0 Circuit 1 B1 No ARA-APY-L15067001-0005 21 3 ARA-APY-L15067001-0007 2 3 No No 3 0 Circuit 1 C1 No ARA-APY-L15067001-0007 2 1 No No 1 0 Circuit 1 A1 No ARA-APY-L15067001-0008 2 1 No No 1 0 Circuit 1 A1 No ARA-APY-L15067001-0008 2 2 No No 0 Circuit 1 B1 No	2	-		-				
6 LA 56.wir 25 ARA-APY-L15067001-0005 21 2 ARA-APY-L15067001-0007 2 2 0 Circuit 1 B1 No 6 LA 56.wir 25 ARA-APY-L15067001-0005 21 3 ARA-APY-L15067001-0007 2 3 No No 3 0 Circuit 1 C1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 1 ARA-APY-L15067001-0008 2 1 No No 1 0 Circuit 1 A1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 2 ARA-APY-L15067001-0008 2 2 No No No 2 0 Circuit 1 B1 No	^						_	
2 2 No No No 2 0 Circuit 1 B1 No ARA-APY-L15067001-0005 21 3 ARA-APY-L15067001-0007 2 3 No No 3 0 Circuit 1 C1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 1 ARA-APY-L15067001-0008 2 1 No No 1 0 Circuit 1 A1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 2 ARA-APY-L15067001-0008 2 2 No No No 2 0 Circuit 1 B1 No	2	_		-				
6 LA 56.wir 25 ARA-APY-L15067001-0005 21 3 ARA-APY-L15067001-0007 2 3 No No No 3 0 Circuit 1 C1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 1 ARA-APY-L15067001-0008 2 1 No No 1 0 Circuit 1 A1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 2 ARA-APY-L15067001-0008 2 2 No No No 2 0 Circuit 1 B1 No	2							
2 3 No No No 3 0 Circuit 1 C1 No ARA-APY-L15067001-0007 21 1 ARA-APY-L15067001-0008 2 1 No No 1 0 Circuit 1 A1 No ARA-APY-L15067001-0008 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 2 ARA-APY-L15067001-0008 2 2 No No 1 0 Circuit 1 B1 No	2					-		
7 LA 56.wir 25 ARA-APY-L15067001-0007 21 1 ARA-APY-L15067001-0008 2 1 No No 1 0 Circuit 1 A1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 2 ARA-APY-L15067001-0008 2 2 No No 2 0 Circuit 1 B1 No	2						_	
2 1 No No 1 0 Circuit 1 A1 No 7 LA 56.wir 25 ARA-APY-L15067001-0007 21 2 ARA-APY-L15067001-0008 2 0 Circuit 1 B1 No	2							
7 LA 56.wir 25 ARA-APY-L15067001-0007 21 2 ARA-APY-L15067001-0008 2 2 No No 2 O Circuit 1 B1 No	2							
2 2 No No 2 O Circuit 1 B1 No	۷	_						
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	_	7	LA 56.wir	25	ARA-APY-L15067001-0007	21	3	ARA-APY-L15067001-0008

2	3	No	No	3 0 Circuit 1	C1	No
	8	LA 56.wir	25	ARA-APY-L15067001-0008 21	1	ARA-APY-L15067001-0010
2	1	No	No	1 0 Circuit 1	A1	No
	8	LA 56.wir	25	ARA-APY-L15067001-0008 21	2	ARA-APY-L15067001-0010
2	2	No	No	2 0 Circuit 1	В1	No
	8	LA 56.wir	25	ARA-APY-L15067001-0008 21	3	ARA-APY-L15067001-0010
2	3	No	No	3 0 Circuit 1	C1	No
	9	LA 56.wir	25	ARA-APY-L15067001-0010 21	1	ARA-APY-L15067001-0014
2	1	No	No	1 0 Circuit 1	A1	No
	9	LA 56.wir	25	ARA-APY-L15067001-0010 21	2	ARA-APY-L15067001-0014
2	2	No	No	2 0 Circuit 1	В1	No
	9	LA 56.wir	25	ARA-APY-L15067001-0010 21	3	ARA-APY-L15067001-0014
2	3	No	No	3 0 Circuit 1	C1	No
	10	LA 56.wir	25	ARA-APY-L15067001-0014 21	1	ARA-APY-L15067001-0015
2	1	No	No	1 0 Circuit 1	A1	No
	10	LA 56.wir	25	ARA-APY-L15067001-0014 21	2	ARA-APY-L15067001-0015
2	2	No	No	2 0 Circuit 1	В1	No
	10	LA 56.wir	25	ARA-APY-L15067001-0014 21	3	ARA-APY-L15067001-0015
2	3	No	No	3 0 Circuit 1	C1	No
	11	LA 56.wir	25	ARA-APY-L15067001-0015 21	1	ARA-APY-L15067001-0016
2	1	No	No	1 0 Circuit 1	A1	No
	11	LA 56.wir	25	ARA-APY-L15067001-0015 21	2	ARA-APY-L15067001-0016
2	2	No	No	2 0 Circuit 1	В1	No
	11	LA 56.wir	25	ARA-APY-L15067001-0015 21	3	ARA-APY-L15067001-0016
2	3	No	No	3 0 Circuit 1	C1	No
	12	LA 56.wir	25	ARA-APY-L15067001-0016 21	1	ARA-APY-L15067001-0017
2	1	No	No	1 0 Circuit 1	A1	No
	12	LA 56.wir	25	ARA-APY-L15067001-0016 21	2	ARA-APY-L15067001-0017
2	2	No	No	2 0 Circuit 1	В1	No
	12	LA 56.wir	25	ARA-APY-L15067001-0016 21	3	ARA-APY-L15067001-0017
2	3	No	No	3 0 Circuit 1	C1	No
	13	LA 56.wir	25	ARA-APY-L15067001-0017 21	1	ARA-APY-L15067001-0017_NUEVO_1
2	1	No	No	1 0 Circuit 1	A1	No
	13	LA 56.wir	25	ARA-APY-L15067001-0017 21	2	ARA-APY-L15067001-0017_NUEVO_1
2	2	No	No	2 0 Circuit 1	В1	No
	13	LA 56.wir	25	ARA-APY-L15067001-0017 21	3	ARA-APY-L15067001-0017_NUEVO_1
2	3	No	No	3 0 Circuit 1	C1	No
	14	LA 56.wir	25	ARA-APY-L15067001-0017_NUEVO_1 21	1	ARA-APY-L15067001-0018
2	1	No	No	1 $0 \overline{0}$ Circuit 1	A1	No
	14	LA 56.wir	25	ARA-APY-L15067001-0017_NUEVO_1 21	2	ARA-APY-L15067001-0018
2	2	No	No	$\frac{1}{2}$ 0 Circuit 1	В1	No
	14	LA 56.wir	25	ARA-APY-L15067001-0017_NUEVO_1 21	3	ARA-APY-L15067001-0018
2	3	No	No	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C1	No
	15	LA 56.wir	25	ARA-APY-L15067001-0018 21	1	ARA-APY-L15067001-0020

2	1	No	No	1 0 Circuit 1	A1	No	
_	- 15	LA 56.wir	25	ARA-APY-L15067001-0018 21	2		ARA-APY-L15067001-0020
2	2	No	No	2 0 Circuit 1	В1	No	
	15	LA 56.wir	25	ARA-APY-L15067001-0018 21	3		ARA-APY-L15067001-0020
2	3	No	No	3 0 Circuit 1	C1	No	
	16	LA 56.wir	25	ARA-APY-L15067001-0020 21	1		ARA-APY-L15067001-0023
2	1	No	No	1 0 Circuit 1	A1	No	
	16	LA 56.wir	25	ARA-APY-L15067001-0020 21	2		ARA-APY-L15067001-0023
2	2	No	No	2 0 Circuit 1	В1	No	
	16	LA 56.wir	25	ARA-APY-L15067001-0020 21	3		ARA-APY-L15067001-0023
2	3	No	No	3 0 Circuit 1	C1	No	
	17	LA 56.wir	25	ARA-APY-L15067001-0023 21	1		ARA-APY-L15067001-0025
2	1	No	No	1 0 Circuit 1	A1	No	
	17	LA 56.wir	25	ARA-APY-L15067001-0023 21	2		ARA-APY-L15067001-0025
2	2	No	No	2 0 Circuit 1	В1	No	
	17	LA 56.wir	25	ARA-APY-L15067001-0023 21	3		ARA-APY-L15067001-0025
2	3	No	No	3 0 Circuit 1	C1	No	
	18	LA 56.wir	25	ARA-APY-L15067001-0025 21	1		ARA-APY-L15067001-0026
2	1	No	No	1 0 Circuit 1	A1	No	
	18	LA 56.wir	25	ARA-APY-L15067001-0025 21	2		ARA-APY-L15067001-0026
2	2	No	No	2 0 Circuit 1	B1	No	
	18	LA 56.wir	25	ARA-APY-L15067001-0025 21	3		ARA-APY-L15067001-0026
2	3	No	No	3 0 Circuit 1	C1	No	
	19	LA 56.wir	25	ARA-APY-L15067001-0026 21	1		ARA-APY-L15067001-0027
2	1	No	No	1 0 Circuit 1	A1	No	
	19	LA 56.wir	25	ARA-APY-L15067001-0026 21	2		ARA-APY-L15067001-0027
2	2	No	No	2 0 Circuit 1	B1	No	
	19	LA 56.wir	25	ARA-APY-L15067001-0026 21	3		ARA-APY-L15067001-0027
2	3	No	No	3 0 Circuit 1	C1	No	
	20	LA 56.wir	25	ARA-APY-L15067001-0027 21	1		ARA-APY-L15067001-0028
2	1	No	No	1 0 Circuit 1	A1	No	
	20	LA 56.wir	25	ARA-APY-L15067001-0027 21	2		ARA-APY-L15067001-0028
2	2	No	No	2 0 Circuit 1	В1	No	
	20	LA 56.wir	25	ARA-APY-L15067001-0027 21	3		ARA-APY-L15067001-0028
2	3	No	No	3 0 Circuit 1	C1	No	
	21	LA 56.wir	25	ARA-APY-L15067001-0028 21	1		ARA-APY-L15067001-0030
2	1	No	No	1 0 Circuit 1	A1	No	
_	21	LA 56.wir	25	ARA-APY-L15067001-0028 21	2		ARA-APY-L15067001-0030
2	2	No	No	2 0 Circuit 1	В1	No	45065004 0000
0	21	LA 56.wir	25	ARA-APY-L15067001-0028 21	3		ARA-APY-L15067001-0030
2	3	No	No	3 0 Circuit 1	C1	No	15065001 0001
_	22	LA 56.wir	25	ARA-APY-L15067001-0030 21	1	3.7	ARA-APY-L15067001-0031
2	1	No	No	1 0 Circuit 1	A1	No	7D7 7DV 115067001 0001
	22	LA 56.wir	25	ARA-APY-L15067001-0030 21	2		ARA-APY-L15067001-0031

2	2	No	No	2 0 Circuit 1	В1	No
	22	LA 56.wir	25	ARA-APY-L15067001-0030 21	3	ARA-APY-L15067001-0031
2	3	No	No	3 0 Circuit 1	C1	No
	23	LA 56.wir	25	ARA-APY-L15067001-0031 21	1	ARA-APY-L15067001-0032
2	1	No	No	1 0 Circuit 1	A1	No
	23	LA 56.wir	25	ARA-APY-L15067001-0031 21	2	ARA-APY-L15067001-0032
2	2	No	No	2 0 Circuit 1	В1	No
	23	LA 56.wir	25	ARA-APY-L15067001-0031 21	3	ARA-APY-L15067001-0032
2	3	No	No	3 0 Circuit 1	C1	No
	24	LA 56.wir	25	ARA-APY-L15067001-0032 21	1	ARA-APY-L15067001-0032_NUEVO_1
2	1	No	No	1 0 Circuit 1	A1	No – –
	24	LA 56.wir	25	ARA-APY-L15067001-0032 21	2	ARA-APY-L15067001-0032 NUEVO 1
2	2	No	No	2 0 Circuit 1	В1	No – –
	24	LA 56.wir	25	ARA-APY-L15067001-0032 21	3	ARA-APY-L15067001-0032 NUEVO 1
2	3	No	No	3 0 Circuit 1	C1	No – –
	25	LA 56.wir	25	ARA-APY-L15067003-0001 21	1	ARA-APY-L15067003-0002
2	1	No	No	1 0 Circuit 1	A1	No
	25	LA 56.wir	25	ARA-APY-L15067003-0001 21	2	ARA-APY-L15067003-0002
2	2	No	No	2 0 Circuit 1	В1	No
	25	LA 56.wir	25	ARA-APY-L15067003-0001 21	3	ARA-APY-L15067003-0002
2	3	No	No	3 0 Circuit 1	C1	No
	26	LA 56.wir	25	ARA-APY-L15067003-0002 21	1	ARA-APY-L15067003-0005
2	1	No	No	1 0 Circuit 1	A1	No
	26	LA 56.wir	25	ARA-APY-L15067003-0002 21	2	ARA-APY-L15067003-0005
2	2	No	No	2 0 Circuit 1	В1	No
	26	LA 56.wir	25	ARA-APY-L15067003-0002 21	3	ARA-APY-L15067003-0005
2	3	No	No	3 0 Circuit 1	C1	No
	27	LA 56.wir	25	ARA-APY-L15067003-0005 21	1	ARA-APY-L15067003-0006
2	1	No	No	1 0 Circuit 1	A1	No
	27	LA 56.wir	25	ARA-APY-L15067003-0005 21	2	ARA-APY-L15067003-0006
2	2	No	No	2 0 Circuit 1	В1	No
	27	LA 56.wir	25	ARA-APY-L15067003-0005 21	3	ARA-APY-L15067003-0006
2	3	No	No	3 0 Circuit 1	C1	No
	28	LA 56.wir	25	ARA-APY-L15067003-0006 21	1	ARA-APY-L15067003-0010_NUEVO_1
2	1	No	No	1 0 Circuit 1	A1	No
	28	LA 56.wir	25	ARA-APY-L15067003-0006 21	2	ARA-APY-L15067003-0010_NUEVO_1
2	2	No	No	2 0 Circuit 1	В1	No
	28	LA 56.wir	25	ARA-APY-L15067003-0006 21	3	ARA-APY-L15067003-0010_NUEVO_1
2	3	No	No	3 0 Circuit 1	C1	No
	29	LA 56.wir	25	ARA-APY-L15067003-0010_NUEVO_1 21	1	ARA-APY-L15067003-0010_NUEVO_2
2	1	No	No	1 0 Circuit 1	A1	No
	29	LA 56.wir	25	ARA-APY-L15067003-0010_NUEVO_1 21	2	ARA-APY-L15067003-0010_NUEVO_2
2	2	No	No	$\frac{1}{2}$ 0 Circuit 1	В1	No
	29	LA 56.wir	25	ARA-APY-L15067003-0010_NUEVO_1 21	3	ARA-APY-L15067003-0010_NUEVO_2

No No 3 O Circuit 1 Cl No

Section Sagging Data

3

Circuit Sec. Cable From Str. Str	Circuit	Sec. C	able ta			rom	v		т	o Voltage	Ruling	
Constant Tension Case Constant Con		No. Temp. Cat	File enary		S	Str.			Str		Span	
Circuit 1	Constant T					Constan	t			(kV)	(m)	
Circuit 1 1 LA 56.wir	(deg C)	(m)	(N)					(m)				
RS 15.0 198.1 367.3 16.15_(C) SurveyedTemp												
Circuit 1 3 LA 56.wir ARA-APY-L15067001-0030 ARA-APY-L15067001-0001 ARA-APY-L15067001-0001 ARA-APY-L15067001-0001 ARA-APY-L15067001-0001 ARA-APY-L15067001-0004 ARA-APY-L15067001-0004 ARA-APY-L15067001-0004 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0014 ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 ARA-APY-L15067001-0015 ARA-APY-L15067001-0015 ARA-APY-L15067001-0016	Circuit 1	1 LA 56	.wir	16 15 (0)	CORTA_T	ELL Croon	ARA	-APY 150	?-L15067001-000	1 25	27.7	Initial
Circuit 1 3 LA 56.wir ARA-APY-L15067001-0030 ARA-APY-L15067001-0001 ARA-APY-L15067001-0001 ARA-APY-L15067001-0001 ARA-APY-L15067001-0001 ARA-APY-L15067001-0004 ARA-APY-L15067001-0004 ARA-APY-L15067001-0004 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0008 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0010 ARA-APY-L15067001-0014 ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 ARA-APY-L15067001-0015 ARA-APY-L15067001-0015 ARA-APY-L15067001-0016	Circuit 1	2 LA 56	.wir	10.15_(C.	Surveyed1emp -APY-L15067001-0	. Creep 016 ARA	rr APY-L15	130. 0670	001-0016 NUEVO	1 25	103.6	Initial
Circuit 1 3 LA 56.wir ARA-APY-L15067001-0030 ARA-APY-L15067003-0001 25 81.4 Initial RS 15.0 677.2 1255.6 16.15_(C)_SurveyedTemp Creep FE 623.8 Circuit 1 4 LA 56.wir ARA-APY-L15067001-0001 ARA-APY-L15067001-0004 25 110.1 Initial 624.6 Circuit 1 5 LA 56.wir ARA-APY-L15067001-0004 ARA-APY-L15067001-0005 ARA-APY-L15067001-0005 25 76.7 Initial 75.0 ARA-APY-L15067001-0005 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0007 ARA-APY-L15067001-0008 ARA-APY-L15067001-0010 ARA-APY-L15067001-0	RS 15.0	575.6	1067.2	16.15 (C)	SurveyedTemp	Creep	FE	555.	8			
RS 15.0 677.2 1255.6 16.15_(C)_SurveyedTemp	Circuit 1	3 LA 56	.wir	ARA-	-APY-L15067001-0	0030	ARA	-APY	Y-L15067003-000	1 25	81.4	Initial
RS 15.0 658.9 1221.6 16.15_(C)_SurveyedTemp	RS 15.0	677.2	1255.6	16.15 (C)	SurveyedTemp	Creep	FE	623.	. 8			
Circuit 1 5 LA 56.wir										4 25	110.1	Initial
RS 15.0 761.4 1411.7 16.15_(C)_SurveyedTemp Creep FE 617.6 Circuit 1 6 LA 56.wir ARA-APY-L15067001-0005 ARA-APY-L15067001-0007 25 95.5 Initial RS 15.0 1035.0 1919.0 16.15_(C)_SurveyedTemp Creep FE 801.5 Circuit 1 7 LA 56.wir ARA-APY-L15067001-0007 ARA-APY-L15067001-0008 25 215.0 Initial RS 15.0 809.7 1501.2 16.15_(C)_SurveyedTemp Creep FE 770.1 Circuit 1 8 LA 56.wir ARA-APY-L15067001-0008 ARA-APY-L15067001-0010 25 134.9 Initial RS 15.0 742.3 1376.3 16.15_(C)_SurveyedTemp Creep FE 681.6 Circuit 1 9 LA 56.wir ARA-APY-L15067001-0010 ARA-APY-L15067001-0014 25 156.6 Initial RS 15.0 679.0 1259.0 16.15_(C)_SurveyedTemp Creep FE 608.4 Circuit 1 10 LA 56.wir ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 25 138.1 Initial	RS 15.0	658.9	1221.6	16.15_(C)	_SurveyedTemp	Creep	FE	624.	. 6 1 = 0 6 = 0 0 1	- 0-		
Circuit 1 6 LA 56.wir											/6./	Initial
RS 15.0 1035.0 1919.0 16.15_(C)_SurveyedTemp	Circuit 1	701.4 6 IA 56	1411./	70.12_(C	Surveyearemp -Apv_t15067001_0	Creep .	rr vdv	- 7 D./ O T \ •	. v 7-1.15067001-000	7 25	95 5	Tnitial
Circuit 1 7 LA 56.wir	RS 15 0	1035 O	1919 0	16 15 (C)	SurveyedTemp	Creen	FE.	801	. штэөөлөөт ооо -5	7 25	<i>J</i> 3 . 5	IIIICIAI
RS 15.0 809.7 1501.2 16.15_(C)_SurveyedTemp Creep FE 770.1 Circuit 1 8 LA 56.wir ARA-APY-L15067001-0008 ARA-APY-L15067001-0010 25 134.9 Initial RS 15.0 742.3 1376.3 16.15_(C)_SurveyedTemp Creep FE 681.6 Circuit 1 9 LA 56.wir ARA-APY-L15067001-0010 ARA-APY-L15067001-0014 25 156.6 Initial RS 15.0 679.0 1259.0 16.15_(C)_SurveyedTemp Creep FE 608.4 Circuit 1 10 LA 56.wir ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 25 138.1 Initial	Circuit 1	7 LA 56	.wir	ARA-	Surveyed16mp -APY-L15067001-0	0007	ARA	-APY	Z-L15067001-000	8 25	215.0	Initial
Circuit 1 8 LA 56.wir ARA-APY-L15067001-0008 ARA-APY-L15067001-0010 25 134.9 Initial RS 15.0 742.3 1376.3 16.15 (C) SurveyedTemp Creep FE 681.6 Circuit 1 9 LA 56.wir ARA-APY-L15067001-0010 ARA-APY-L15067001-0014 25 156.6 Initial RS 15.0 679.0 1259.0 16.15 (C) SurveyedTemp Creep FE 608.4 Circuit 1 10 LA 56.wir ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 25 138.1 Initial	50 15 0	000 -	1 - 0 1 0	16 15 (0)	~ 1-	~			4			
Circuit 1 9 LA 56.wir	Circuit 1	8 LA 56	.wir	ARA:	-APY-L15067001-0	8000	ARA	-APY	Y-L15067001-001	0 25	134.9	Initial
RS 15.0 679.0 1259.0 16.15_(C)_SurveyedTemp Creep FE 608.4 Circuit 1 10 LA 56.wir ARA-APY-L15067001-0014 ARA-APY-L15067001-0015 25 138.1 Initial	RS 15.0	742.3	1376.3	16.15_(C)	_SurveyedTemp	Creep	FE	681.	6			
Circuit 1 10 LA 56.wir	Circuit 1	9 LA 56	.wir	ARA-	-APY-L15067001-0	0010	ARA	-APY	Y-L15067001-001	4 25	156.6	Initial
DO 15 0 740 5 1000 7 16 15 (G) O DE O DE O C74 1	RS 15.0	679.0	1259.0	16.15_(C)	_SurveyedTemp	Creep	FE	608.	. 4			
KS 13.0 /49.5 1389./ 16.15_(C)_SurveyedTemp Creep FE 6/4.1		740 -	1 2 0 0 7	16 15 (0)	0 1m	~		\sim \sim \sim	1			
	Circuit 1	/49.5 11 th 56	1389./	Τρ.TD_(C	SurveyeaTemp ADV115067001 0	Creep .	ע ת ע בים ע	0/4. _7DV		6 25	00 0	Tnitial

716.6

ARA-APY-L15067001-0017 ARA-APY-L15067001-0017 NUEVO 1

Creep FE

417.0

500.1

ARA-APY-L15067001-0017

ARA-APY-L15067001-0018

ARA-APY-L15067001-0020

Circuit 1 12 LA 56.wir

Circuit 1 13 LA 56.wir

Circuit 1 15 LA 56.wir

RS 15.0 534.4

RS 15.0 805.4 1493.2 16.15 (C) SurveyedTemp Creep FE

RS 15.0 423.7 785.5 16.15 (C) SurveyedTemp Creep FE

Circuit 1 14 LA 56.wir ARA-APY-L15067001-0017 NUEVO 1

RS 15.0 651.6 1208.1 16.15 (C) SurveyedTemp Creep FE

990.9 16.15 (C) SurveyedTemp

ARA-APY-L15067001-0016

ARA-APY-L15067001-0018

25 207.1 Initial

82.9 Initial

71.3 Initial

98.1 Initial

25

25

25

RS 15.0	546.3 1012.9 16.15_(C)_SurveyedTemp	E 497.2		
Circuit 1	16 LA 56.wir ARA-APY-L15067001-0020	ARA-APY-L15067001-0023	25	102.7 Initial
RS 15.0	590.7 1095.2 16.15_(C)_SurveyedTemp	E 529.4		
Circuit 1	590.7 1095.2 16.15_(C)_SurveyedTemp	ARA-APY-L15067001-0025	25	115.9 Initial
RS 15.0	471.2 873.6 16.15 (C) SurveyedTemp Creep Fi	E 453.8		
Circuit 1	18 LA 56.wir ARA-APY-L15067001-0025	ARA-APY-L15067001-0026	25	128.3 Initial
DC 15 A	121 1 1 1 1 1 1 1 1 1	7 100 2		
Circuit 1	19 LA 56.wir ARA-APY-L15067001-0026	ARA-APY-L15067001-0027	25	228.2 Initial
Circuit 1	20 LA 56.wir ARA-APY-L15067001-0027	ARA-APY-L15067001-0028	25	154.4 Initial
RS 15.0	437.0 810.3 16.15_(C)_SurveyedTemp Creep FR	E 423.2		
Circuit 1	21 LA 56.wir ARA-APY-L15067001-0028	ARA-APY-L15067001-0030	25	87.7 Initial
RS 15.0	535.8 993.4 16.15_(C)_SurveyedTemp	E 482.6		
Circuit 1	22 LA 56.wir ARA-APY-L15067001-0030	ARA-APY-L15067001-0031	25	73.2 Initial
RS 15.0	878.5 1628.9 16.15 (C) SurveyedTemp	E 655.9		
Circuit 1	23 LA 56.wir ARA-APY-L15067001-0031	ARA-APY-L15067001-0032	25	47.5 Initial
RS 15.0	643.3 1192.8 16.15_(C)_SurveyedTemp	E 461.2		
Circuit 1	24 LA 56.wir ARA-APY-L15067001-0032 ARA-AP	PY-L15067001-0032_NUEVO_1	25	117.4 Initial
No IJ.U	04/.9 1201.3 10.13 (C) Surveyediemb Creep Fi	ú J9∠•9		
Circuit 1	25 LA 56.wir ARA-APY-L15067003-0001	ARA-APY-L15067003-0002	25	104.6 Initial
RS 15.0	855.2 1585.6 16.15_(C)_SurveyedTemp	E 714.6		
Circuit 1	855.2 1585.6 16.15_(C)_SurveyedTemp	ARA-APY-L15067003-0005	25	133.1 Initial
RS 15.0	862.1 1598.4 16.15 (C) SurveyedTemp Creep FI	E 769.8		
Circuit 1	27 LA 56.wir ARA-APY-L15067003-0005	ARA-APY-L15067003-0006	25	90.9 Initial
RS 15.0	666.2 1235.2 16.15_(C)_SurveyedTemp	E 618.9		
Circuit 1	27 LA 56.wir ARA-APY-L15067003-0005 666.2 1235.2 16.15_(C)_SurveyedTemp Creep FI 28 LA 56.wir ARA-APY-L15067003-0006 ARA-AI 540.4 1001.9 16.15_(C)_SurveyedTemp Creep FI	PY-L15067003-0010_NUEVO_1	25	99.3 Initial
RS 15.0	540.4 1001.9 16.15_(C)_SurveyedTemp	E 487.4		
Circuit 1	29 LA 56.wir ARA-APY-L15067003-0010_NUEVO_1 ARA-AN	PY-L15067003-0010_NUEVO_2	25	76.3 Initial
RS 15.0	580.2 1075.7 16.15 (C) SurveyedTemp Creep Fi	E 507.1		

Section Stringing Data

Section Number		Cable Name	Struct. Number		Phasing	Set Label
1	LA	56.wir	CORTA TELL	2	123	Circ1
			ARA-APY-L15067001-0001	2	123	Circ1
2	LA	56.wir	ARA-APY-L15067001-0016	3	123	Circ1
			ARA-APY-L15067001-0016 NUEVO 1	2	123	Circ1
3	LA	56.wir	$ARA-APY-L15067\overline{0}01-00\overline{3}0$	3	123	Circ1
			ARA-APY-L15067003-0001	2	123	Circ1
4	LA	56.wir	ARA-APY-L15067001-0001	21	123	Circ1
			ARA-APY-L15067001-0002	2	123	Circ1

			ARA-APY-L15067001-0003 ARA-APY-L15067001-0004	2 2	123 Circ1 123 Circ1
5	T.A	56.wir	ARA-APY-L15067001-0004	21	123 Circ1
Ü		00.111	ARA-APY-L15067001-0005	2	123 Circ1
6	LA	56.wir	ARA-APY-L15067001-0005	21	123 Circ1
_			ARA-APY-L15067001-0006	2	123 Circ1
			ARA-APY-L15067001-0007	2	123 Circ1
7	LA	56.wir	ARA-APY-L15067001-0007	21	123 Circ1
			ARA-APY-L15067001-0008	2	123 Circ1
8	LA	56.wir	ARA-APY-L15067001-0008	21	123 Circ1
			ARA-APY-L15067001-0009	2	123 Circ1
			ARA-APY-L15067001-0010	2	123 Circ1
9	LA	56.wir	ARA-APY-L15067001-0010	21	123 Circ1
			ARA-APY-L15067001-0011	2	123 Circ1
			ARA-APY-L15067001-0012	2	123 Circ1
			ARA-APY-L15067001-0013	2	123 Circ1
			ARA-APY-L15067001-0014	2	123 Circ1
10	LA	56.wir	ARA-APY-L15067001-0014	21	123 Circ1
			ARA-APY-L15067001-0015	2	123 Circ1
11	LA	56.wir	ARA-APY-L15067001-0015	21	123 Circ1
			ARA-APY-L15067001-0016	2	123 Circ1
12	LA	56.wir	ARA-APY-L15067001-0016	21	123 Circ1
			ARA-APY-L15067001-0017	2	123 Circ1
13	LA	56.wir	ARA-APY-L15067001-0017	21	123 Circ1
			ARA-APY-L15067001-0017_NUEVO_1	2	123 Circ1
14	LA	56.wir	ARA-APY-L15067001-0017_NUEVO_1	21	123 Circ1
			ARA-APY-L15067001-0018	2	123 Circ1
15	LA	56.wir	ARA-APY-L15067001-0018	21	123 Circ1
			ARA-APY-L15067001-0019	2	123 Circ1
			ARA-APY-L15067001-0020	2	123 Circ1
16	LA	56.wir	ARA-APY-L15067001-0020	21	123 Circ1
			ARA-APY-L15067001-0021	2	123 Circ1
			ARA-APY-L15067001-0022	2	123 Circ1
17	T 7\	E C	ARA-APY-L15067001-0023	2	123 Circ1
Ι/	LА	56.wir	ARA-APY-L15067001-0023 ARA-APY-L15067001-0024	21 2	123 Circ1 123 Circ1
			ARA-APY-L15067001-0024 ARA-APY-L15067001-0025	2	123 Circi
1 0	т 7\	56.wir	ARA-APY-L15067001-0025	21	123 Circ1
Τ0	ΤΑ	JO.WIL	ARA-APY-L15067001-0025 ARA-APY-L15067001-0026	2	123 Circ1
19	Τ. Δ	56.wir	ARA-APY-L15067001-0026	21	123 Circl
1)	пΩ	JU.WII	ARA-APY-L15067001-0027	2	123 Circl
20	T. Z	56.wir	ARA-APY-L15067001-0027	21	123 Circ1
20	11/1	○ 0 • W I I	ARA-APY-L15067001-0028	2	123 Circ1
21	LA	56.wir	ARA-APY-L15067001-0028	21	123 Circl

			ARA-APY-L15067001-0030	2	123	Circ1
22	LA	56.wir	ARA-APY-L15067001-0030	21	123	Circ1
			ARA-APY-L15067001-0031	2	123	Circ1
23	LA	56.wir	ARA-APY-L15067001-0031	21	123	Circ1
			ARA-APY-L15067001-0032	2	123	Circ1
24	LA	56.wir	ARA-APY-L15067001-0032	21	123	Circ1
			ARA-APY-L15067001-0032 NUEVO 1	2	123	Circ1
25	LA	56.wir	$ARA-APY-L15067\overline{0}03-00\overline{0}1$	21	123	Circ1
			ARA-APY-L15067003-0002	2	123	Circ1
26	LA	56.wir	ARA-APY-L15067003-0002	21	123	Circ1
			ARA-APY-L15067003-0003	2	123	Circ1
			ARA-APY-L15067003-0004	2	123	Circ1
			ARA-APY-L15067003-0005	2	123	Circ1
27	LA	56.wir	ARA-APY-L15067003-0005	21	123	Circ1
			ARA-APY-L15067003-0006	2	123	Circ1
28	LA	56.wir	ARA-APY-L15067003-0006	21	123	Circ1
			ARA-APY-L15067003-0007	2	123	Circ1
			ARA-APY-L15067003-0008	2	123	Circ1
			ARA-APY-L15067003-0009	2	123	Circ1
			ARA-APY-L15067003-0010	2	123	Circ1
			ARA-APY-L15067003-0010 NUEVO 1	2	123	Circ1
29	LA	56.wir	ARA-APY-L15067003-0010_NUEVO_1	21	123	Circ1
			ARA-APY-L15067003-0010_NUEVO_2	2	123	Circ1

Section Geometry Data

Notes: Lengths are arc lengths along the wire at 15 (deg C), Creep.

Lengths are adjusted for the number of phases, the number of subconductors and to exclude the length of strain insulators.

Lengths are computed with any concentrated loads removed.

_		Cable	From	То	Number	Wires	Min.	
Max. Span	Ruling Tota No. Span Cabl	File	Str.	Str.	of	Per	Span	
Lengt	•	Name			Phases	Phase		
(m)	(m) (m))					(m)	
Circ 30.1	uit 1 1 LA 27.7 98	56.wir	CORTA_TELL ARA-APY	-L15067001-0001	3	1	30.1	

Circuit 1 2 LA 56.wir	ARA-APY-L15067001-0016	ARA-APY-L15067001-0016_NUEVO_1	3	1	103.8
103.8 103.6 312.3	7D7 7DV 11E067001 0020	ARA-APY-L15067003-0001	3	1	82.7
Circuit 1 3 LA 56.wir 82.7 81.4 252.1	ARA-APY-L15067001-0030	ARA-APY-L1506/003-0001	3	Τ	82./
02.7 01.4 232.1 Circuit 1 4 LA 56.wir	ARA-APY-L15067001-0001	ARA-APY-L15067001-0004	3	1	65.9
141.9 110.1 888.3	711(1 711 113007001 0001	711(1 1111 113007001 0004	5	_	00.9
Circuit 1 5 LA 56.wir	ARA-APY-L15067001-0004	ARA-APY-L15067001-0005	3	1	77.6
77.6 76.7 235.8			_	_	
Circuit 1 6 LA 56.wir	ARA-APY-L15067001-0005	ARA-APY-L15067001-0007	3	1	85.3
105.8 95.5 584.1					
Circuit 1 7 LA 56.wir	ARA-APY-L15067001-0007	ARA-APY-L15067001-0008	3	1	215.1
215.1 215.0 648.0					
Circuit 1 8 LA 56.wir	ARA-APY-L15067001-0008	ARA-APY-L15067001-0010	3	1	132.3
143.3 134.9 847.9					
Circuit 1 9 LA 56.wir	ARA-APY-L15067001-0010	ARA-APY-L15067001-0014	3	1	78.5
188.4 156.6 1755.5	15065001 0011	15065001 0015			1000
Circuit 1 10 LA 56.wir	ARA-APY-L15067001-0014	ARA-APY-L15067001-0015	3	1	139.3
139.3 138.1 422.2	3D3 3DW 115067001 0015	3D3 3DW 115067001 0016	2	1	0.0
Circuit 1 11 LA 56.wir 89.8 89.8 269.9	ARA-APY-L15067001-0015	ARA-APY-L15067001-0016	3	Τ	89.8
89.8 89.8 269.9 Circuit 1 12 LA 56.wir	ARA-APY-L15067001-0016	ARA-APY-L15067001-0017	3	1	210.6
210.6 207.1 648.6	ARA-API-L1300/001-0010	ARA-API-L1300/001-001/	3	Τ	210.6
Circuit 1 13 LA 56.wir	ARA-APY-T.15067001-0017	ARA-APY-L15067001-0017 NUEVO 1	3	1	88.7
88.7 82.9 284.7	71141 7111 1115007001 0017	71101 7111 113007001 0017 1101100_1	5	_	00.7
	ARA-APY-L15067001-0017 NUEVO 1	ARA-APY-L15067001-0018	3	1	77.4
77.4 71.3 252.0		11111 1111 11110 11100 11000 10010	Ü	_	
Circuit 1 15 LA 56.wir	ARA-APY-L15067001-0018	ARA-APY-L15067001-0020	3	1	95.4
112.9 98.1 672.2					
Circuit 1 16 LA 56.wir	ARA-APY-L15067001-0020	ARA-APY-L15067001-0023	3	1	102.1
119.1 102.7 1039.6					
Circuit 1 17 LA 56.wir	ARA-APY-L15067001-0023	ARA-APY-L15067001-0025	3	1	100.8
137.7 115.9 767.9					
Circuit 1 18 LA 56.wir	ARA-APY-L15067001-0025	ARA-APY-L15067001-0026	3	1	128.3
128.3 128.3 386.3					
Circuit 1 19 LA 56.wir	ARA-APY-L15067001-0026	ARA-APY-L15067001-0027	3	1	228.7
228.7 228.2 694.9					
Circuit 1 20 LA 56.wir	ARA-APY-L15067001-0027	ARA-APY-L15067001-0028	3	1	157.4
157.4 154.4 484.1	3D3 3DW 115067001 0000	3D3 3DW 115067001 0000	3	1	88.5
Circuit 1 21 LA 56.wir 88.5 87.7 268.0	ARA-APY-L15067001-0028	ARA-APY-L15067001-0030	3	Τ	88.5
88.5 87.7 208.0 Circuit 1 22 LA 56.wir	ARA-APY-L15067001-0030	ARA-APY-L15067001-0031	3	1	73.3
73.3 73.2 220.2	ARA-API-L1500/001-0030	ARA-API-L1300/001-0031	3	1	13.3
73.3 73.2 220.2 Circuit 1 23 LA 56.wir	ARA-APY-L15067001-0031	ARA-APY-L15067001-0032	3	1	49.1
49.1 47.5 152.5	711(1 1111 11500 / 001 0051	711/1 7111 113007001 0032	J	Τ.	⊐ J • ⊥
17.1					

Circuit 1 24 LA 56.wir 118.6 117.4 359.9	ARA-APY-L15067001-0032	ARA-APY-L15067001-0032_NUEVO_1	3	1	118.6
Circuit 1 25 LA 56.wir 109.5 104.6 344.1	ARA-APY-L15067003-0001	ARA-APY-L15067003-0002	3	1	109.5
Circuit 1 26 LA 56.wir 160.8 133.1 1205.0	ARA-APY-L15067003-0002	ARA-APY-L15067003-0005	3	1	103.8
Circuit 1 27 LA 56.wir 94.7 90.9 296.3	ARA-APY-L15067003-0005	ARA-APY-L15067003-0006	3	1	94.7
Circuit 1 28 LA 56.wir 134.1 99.3 1335.2	ARA-APY-L15067003-0006	ARA-APY-L15067003-0010_NUEVO_1	3	1	49.8
	PY-L15067003-0010_NUEVO_1	ARA-APY-L15067003-0010_NUEVO_2	3	1	76.5

Wire Lengths in each Span

Note: Only for sections modeled with fixed wire lengths. Unstressed lengths are at 0 degrees C for the specified condition.

Circuit Phase Sec.	•	From			То		
Cable Unstresse No. Condition Lengt	Name ch Adjustment 	Struct.	Set Pha	ase	Struct.	Set P	Phase
Circuit 1 A1 1 Initial 31.286	LA 56 0.014	CORTA_TELL	2	1	ARA-APY-L15067001-0001	2	1
Circuit 1 B1	0.011	CORTA_TELL	2	2	ARA-APY-L15067001-0001	2	2
Circuit 1 C1	0.000	CORTA_TELL	2	3	ARA-APY-L15067001-0001	2	3
	-0.013 LA 56	ARA-APY-L15067001-0016	3	1	ARA-APY-L15067001-0016_NUEVO_1	2	1
Initial 104.271 Circuit 1 B1	-0.025	ARA-APY-L15067001-0016	3	2	ARA-APY-L15067001-0016_NUEVO_1	2	2
Circuit 1 C1	-0.036	ARA-APY-L15067001-0016	3	3	ARA-APY-L15067001-0016_NUEVO_1	2	3
Initial 103.974 Circuit 1 A1 3 Initial 84.369	-0.033 LA 56 -0.017	ARA-APY-L15067001-0030	3	1	ARA-APY-L15067003-0001	2	1
Circuit 1 B1	-0.017	ARA-APY-L15067001-0030	3	2	ARA-APY-L15067003-0001	2	2
Circuit 1 C1	-0.002	ARA-APY-L15067001-0030	3	3	ARA-APY-L15067003-0001	2	3

Initial 84.028	4	0.009	15065001 0001	0.1	-	15065001 0000		4
Circuit 1 A1 Initial 83.964	4	LA 56 -0.020	ARA-APY-L15067001-0001	21	1	ARA-APY-L15067001-0002	2	1
Circuit 1 B1		0.020	ARA-APY-L15067001-0001	21	2	ARA-APY-L15067001-0002	2	2
Initial 84.984		-0.014						
Circuit 1 C1			ARA-APY-L15067001-0001	21	3	ARA-APY-L15067001-0002	2	3
Initial 86.200		-0.021	7D7 7D4 115067001 0000	0	1	7D7 7DV 115067001 0000	0	1
Circuit 1 A1 Initial 143.522		-0.043	ARA-APY-L15067001-0002	2	1	ARA-APY-L15067001-0003	2	1
Circuit 1 B1		0.045	ARA-APY-L15067001-0002	2	2	ARA-APY-L15067001-0003	2	2
Initial 143.562		-0.029		_	_		_	_
Circuit 1 C1			ARA-APY-L15067001-0002	2	3	ARA-APY-L15067001-0003	2	3
Initial 143.593		-0.037						
Circuit 1 A1			ARA-APY-L15067001-0003	2	1	ARA-APY-L15067001-0004	2	1
Initial 67.696		-0.023	7D7 7DW 115067001 0000	0	0	777 774 715067001 0004	0	_
Circuit 1 B1 Initial 67.250		-0.021	ARA-APY-L15067001-0003	2	2	ARA-APY-L15067001-0004	2	2
Circuit 1 C1		-0.021	ARA-APY-L15067001-0003	2	3	ARA-APY-L15067001-0004	2	3
Initial 67.012		-0.021	ARA-AF1-L1300/001-0003	2	J	ARA-AF1-L1300/001-0004	۷	5
Circuit 1 A1	5		ARA-APY-L15067001-0004	21	1	ARA-APY-L15067001-0005	2	1
Initial 78.833	_	-0.002						
Circuit 1 B1			ARA-APY-L15067001-0004	21	2	ARA-APY-L15067001-0005	2	2
Initial 78.457		0.006						
Circuit 1 C1			ARA-APY-L15067001-0004	21	3	ARA-APY-L15067001-0005	2	3
Initial 78.285		0.006						
Circuit 1 A1	6	LA 56	ARA-APY-L15067001-0005	21	1	ARA-APY-L15067001-0006	2	1
Initial 88.012		0.020	7D7 7DW 115067001 0005	0.1	^	3D3 3DW 115067001 0006	0	_
Circuit 1 B1 Initial 87.639		0.011	ARA-APY-L15067001-0005	21	2	ARA-APY-L15067001-0006	2	2
Circuit 1 C1		0.011	ARA-APY-L15067001-0005	21	3	ARA-APY-L15067001-0006	2	3
Initial 87.490		0.005	ARA-AF1-L1300/001-0003	21	J	ARA-AF1-L1300/001-0000	۷	5
Circuit 1 A1		0.000	ARA-APY-L15067001-0006	2	1	ARA-APY-L15067001-0007	2	1
Initial 107.455		-0.026		_	_		_	_
Circuit 1 B1			ARA-APY-L15067001-0006	2	2	ARA-APY-L15067001-0007	2	2
Initial 106.762		0.023						
Circuit 1 C1			ARA-APY-L15067001-0006	2	3	ARA-APY-L15067001-0007	2	3
Initial 106.135		0.006						
Circuit 1 A1	7		ARA-APY-L15067001-0007	21	1	ARA-APY-L15067001-0008	2	1
Initial 216.643		0.005	7D7 7DV 11E067001 0007	0.1	2	7D7 7DV 11E067001 0000	2	2
Circuit 1 B1 Initial 215.341		0.202	ARA-APY-L15067001-0007	21	2	ARA-APY-L15067001-0008	2	2
Circuit 1 C1		0.202	ARA-APY-L15067001-0007	21	3	ARA-APY-L15067001-0008	2	3
Initial 215.129		0.061	AIM - AF I - LI 100 / 001 - 000 /	Z 1	J	ANA AFI-11300/001-0000	۷	J
Circuit 1 A1	8	LA 56	ARA-APY-L15067001-0008	21	1	ARA-APY-L15067001-0009	2	1
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Initial 134.201 Circuit 1 B1	-0.009	ARA-APY-L15067001-0008	21	2	ARA-APY-L15067001-0009	2	2
Initial 133.759	-0.010	71101 7111 1113007001 0000	21	۷	711(1 7111 113007001 0003	2	2
Circuit 1 C1	0.020	ARA-APY-L15067001-0008	21	3	ARA-APY-L15067001-0009	2	3
Initial 134.514	-0.047			•			-
Circuit 1 A1		ARA-APY-L15067001-0009	2	1	ARA-APY-L15067001-0010	2	1
Initial 148.465	-0.019						
Circuit 1 B1		ARA-APY-L15067001-0009	2	2	ARA-APY-L15067001-0010	2	2
Initial 148.319	-0.009						
Circuit 1 C1		ARA-APY-L15067001-0009	2	3	ARA-APY-L15067001-0010	2	3
Initial 148.035	-0.051						
Circuit 1 A1 9	LA 56	ARA-APY-L15067001-0010	21	1	ARA-APY-L15067001-0011	2	1
Initial 79.299	-0.011						
Circuit 1 B1		ARA-APY-L15067001-0010	21	2	ARA-APY-L15067001-0011	2	2
Initial 78.916	-0.013						
Circuit 1 C1		ARA-APY-L15067001-0010	21	3	ARA-APY-L15067001-0011	2	3
Initial 79.211	-0.016						
Circuit 1 A1		ARA-APY-L15067001-0011	2	1	ARA-APY-L15067001-0012	2	1
Initial 154.337	0.000			_			
Circuit 1 B1		ARA-APY-L15067001-0011	2	2	ARA-APY-L15067001-0012	2	2
Initial 154.353	-0.009	45065004 0044			4 5 0 6 5 0 0 4 0 0 4 0	•	_
Circuit 1 C1	0 011	ARA-APY-L15067001-0011	2	3	ARA-APY-L15067001-0012	2	3
Initial 154.336	-0.011	3D3 3DW 115067001 0010	0	1	3D3 3DW 115067001 0010	0	-1
Circuit 1 A1	0 000	ARA-APY-L15067001-0012	2	1	ARA-APY-L15067001-0013	2	1
Initial 190.548	-0.038	3D3 3DV 11E067001 0010	2	2	7D7 7DV 11E067001 0012	2	2
Circuit 1 B1 Initial 190.552	0.000	ARA-APY-L15067001-0012	۷	2	ARA-APY-L15067001-0013	2	2
Circuit 1 C1	0.000	ARA-APY-L15067001-0012	2	3	ARA-APY-L15067001-0013	2	3
Initial 190.432	0.032	ARA-API-LI300/001-0012	۷	3	ARA-API-LI300/001-0013	۷	3
Circuit 1 A1	0.032	ARA-APY-L15067001-0013	2	1	ARA-APY-L15067001-0014	2	1
Initial 160.499	-0.042	AKA AII 113007001 0013	۷	1	AKA AII 113007001 0014	۷	
Circuit 1 B1	0.042	ARA-APY-L15067001-0013	2	2	ARA-APY-L15067001-0014	2	2
Initial 160.723	-0.022	11111 1111 111000,001 0010	-	2	11111 1111 1110007001 0011	_	_
Circuit 1 C1	0.022	ARA-APY-L15067001-0013	2	3	ARA-APY-L15067001-0014	2	3
Initial 160.956	-0.016		_	•		_	-
Circuit 1 A1 10	LA 56	ARA-APY-L15067001-0014	21	1	ARA-APY-L15067001-0015	2	1
Initial 140.546	0.008						
Circuit 1 B1		ARA-APY-L15067001-0014	21	2	ARA-APY-L15067001-0015	2	2
Initial 140.577	0.000						
Circuit 1 C1		ARA-APY-L15067001-0014	21	3	ARA-APY-L15067001-0015	2	3
Initial 140.756	-0.015						
	LA 56	ARA-APY-L15067001-0015	21	1	ARA-APY-L15067001-0016	2	1
Initial 90.068	-0.012						
Circuit 1 B1		ARA-APY-L15067001-0015	21	2	ARA-APY-L15067001-0016	2	2

Initial 89.	793	-0.017						
Circuit 1 C	1		ARA-APY-L15067001-0015	21	3	ARA-APY-L15067001-0016	2	3
Initial 89.	818	-0.010						
Circuit 1 A	1 12	LA 56	ARA-APY-L15067001-0016	21	1	ARA-APY-L15067001-0017	2	1
Initial 216.	159	0.011						
Circuit 1 B	1		ARA-APY-L15067001-0016	21	2	ARA-APY-L15067001-0017	2	2
Initial 216.		-0.014						
Circuit 1 C	-	0.011	ARA-APY-L15067001-0016	21	3	ARA-APY-L15067001-0017	2	3
Initial 215.		-0.083	11141 1111 1113007001 0010	21	9	71141 7111 1110007001 0017	2	9
Circuit 1 A		LA 56	ARA-APY-L15067001-0017	21	1	ARA-APY-L15067001-0017 NUEVO 1	2	1
Initial 95.		0.000	11101 1111 1113007001 0017	21	_	11101 1111 113007001 0017_10110_1	2	
Circuit 1 B		0.000	ARA-APY-L15067001-0017	21	2	ARA-APY-L15067001-0017 NUEVO 1	2	2
		-0.002	ARA-API-L1306/001-001/	21	2	ARA-API-L1306/001-001/_NOEVO_1	۷	۷
		-0.002	3D3 3DV 11E0C7001 0017	0.1	2	7D7 7D1/ 115067001 0017 NIID1/0 1	0	2
Circuit 1 C		0 000	ARA-APY-L15067001-0017	21	3	ARA-APY-L15067001-0017_NUEVO_1	2	3
Initial 95.		-0.028	45065004 0045 4	0.4	-	15065001 0010	•	
Circuit 1 A		LA 56	ARA-APY-L15067001-0017_NUEVO_1	21	1	ARA-APY-L15067001-0018	2	1
Initial 83.		0.020						
Circuit 1 B			ARA-APY-L15067001-0017_NUEVO_1	21	2	ARA-APY-L15067001-0018	2	2
Initial 83.	855	-0.015						
Circuit 1 C	1		ARA-APY-L15067001-0017 NUEVO 1	21	3	ARA-APY-L15067001-0018	2	3
Initial 84.	306	-0.025						
Circuit 1 A	1 15	LA 56	ARA-APY-L15067001-0018	21	1	ARA-APY-L15067001-0019	2	1
Initial 101.	396	0.002						
Circuit 1 B	1		ARA-APY-L15067001-0018	21	2	ARA-APY-L15067001-0019	2	2
Initial 102.	059	0.010						
Circuit 1 C			ARA-APY-L15067001-0018	21	3	ARA-APY-L15067001-0019	2	3
Initial 102.		0.013	11111 1111 1110007001 0010		Ü	11111 1111 111000 7001 0013	_	Ŭ
Circuit 1 A		0.010	ARA-APY-L15067001-0019	2	1	ARA-APY-L15067001-0020	2	1
Initial 121.		-0.002	11141 1111 1113007001 0013	_	_	11141 1111 1110007001 0020	2	_
Circuit 1 B		0.002	ARA-APY-L15067001-0019	2	2	ARA-APY-L15067001-0020	2	2
Initial 121.		0.006	ARA-API-LI300/001-0019	2	2	ARA-API-LI300/001-0020	2	2
		0.006	7D7 7DV 115067001 0010	0	2	3D3 3D5/ 11F0C7001 0000	0	2
Circuit 1 C		0 057	ARA-APY-L15067001-0019	2	3	ARA-APY-L15067001-0020	2	3
Initial 121.		0.057	7D7 7DW 715067001 0000	0.1	1	7D7 7DW 715065001 0001	0	1
Circuit 1 A		LA 56	ARA-APY-L15067001-0020	21	1	ARA-APY-L15067001-0021	2	1
Initial 115.		-0.005			_			
Circuit 1 B			ARA-APY-L15067001-0020	21	2	ARA-APY-L15067001-0021	2	2
Initial 115.		-0.045						
Circuit 1 C	1		ARA-APY-L15067001-0020	21	3	ARA-APY-L15067001-0021	2	3
Initial 115.	631	-0.028						
Circuit 1 A	1		ARA-APY-L15067001-0021	2	1	ARA-APY-L15067001-0022	2	1
Initial 111.	010	-0.011						
Circuit 1 B	1		ARA-APY-L15067001-0021	2	2	ARA-APY-L15067001-0022	2	2
Initial 110.	903	-0.054						
Circuit 1 C	1		ARA-APY-L15067001-0021	2	3	ARA-APY-L15067001-0022	2	3
_								

Initial 110.910	-0.044						
Circuit 1 A1		ARA-APY-L15067001-0022	2	1	ARA-APY-L15067001-0023	2	1
Initial 119.736	0.041						
Circuit 1 B1		ARA-APY-L15067001-0022	2	2	ARA-APY-L15067001-0023	2	2
Initial 119.771	0.048						
Circuit 1 C1		ARA-APY-L15067001-0022	2	3	ARA-APY-L15067001-0023	2	3
Initial 119.989	0.015	11141 1111 1110007001 0022	2	9	11141 1111 1113007001 0023	2	9
Circuit 1 A1 17	LA 56	ARA-APY-L15067001-0023	21	1	ARA-APY-L15067001-0024	2	1
		ARA-API-LI300/001-0023	21	1	ARA-AFI-LIJU0/001-0024	۷	Т
Initial 111.819	-0.012	15065001 0000	0.1	^		0	0
Circuit 1 B1		ARA-APY-L15067001-0023	21	2	ARA-APY-L15067001-0024	2	2
Initial 111.901	-0.061						
Circuit 1 C1		ARA-APY-L15067001-0023	21	3	ARA-APY-L15067001-0024	2	3
Initial 111.869	-0.017						
Circuit 1 A1		ARA-APY-L15067001-0024	2	1	ARA-APY-L15067001-0025	2	1
Initial 144.016	0.006						
Circuit 1 B1		ARA-APY-L15067001-0024	2	2	ARA-APY-L15067001-0025	2	2
Initial 144.065	-0.046	11141 1111 111000 7001 0021	_	_	11141 1111 210007001 0020	-	_
Circuit 1 C1	0.010	ARA-APY-L15067001-0024	2	3	ARA-APY-L15067001-0025	2	3
	0 007	ARA-API-LI3007001-0024	2	3	ARA-API-LI300/001-0023	۷	3
	0.027	15065001 0005	0.1	1	15065001 0006	0	-
	LA 56	ARA-APY-L15067001-0025	21	1	ARA-APY-L15067001-0026	2	1
Initial 128.873	0.023						
Circuit 1 B1		ARA-APY-L15067001-0025	21	2	ARA-APY-L15067001-0026	2	2
Initial 128.454	-0.086						
Circuit 1 C1		ARA-APY-L15067001-0025	21	3	ARA-APY-L15067001-0026	2	3
Initial 128.773	-0.081						
Circuit 1 A1 19	LA 56	ARA-APY-L15067001-0026	21	1	ARA-APY-L15067001-0027	2	1
Initial 231.503	0.038						
Circuit 1 B1		ARA-APY-L15067001-0026	21	2	ARA-APY-L15067001-0027	2	2
Initial 231.131	0.383	11141 1111 1110007001 0020	21	2	71141 7111 113007001 0027	2	2
	0.303	ARA-APY-L15067001-0026	21	3	ARA-APY-L15067001-0027	2	3
	0 107	ARA-APY-L1506/001-0026	21	3	ARA-API-L1506/001-002/	2	3
Initial 231.197	0.137						_
	LA 56	ARA-APY-L15067001-0027	21	1	ARA-APY-L15067001-0028	2	1
Initial 161.722	0.007						
Circuit 1 B1		ARA-APY-L15067001-0027	21	2	ARA-APY-L15067001-0028	2	2
Initial 160.990	-0.023						
Circuit 1 C1		ARA-APY-L15067001-0027	21	3	ARA-APY-L15067001-0028	2	3
Initial 161.001	0.000						
	LA 56	ARA-APY-L15067001-0028	21	1	ARA-APY-L15067001-0030	2	1
Initial 87.953	-0.003	11111 1111 21000,001 0020		-	11111 1111 21000,001 0000	_	_
Circuit 1 B1	0.000	ARA-APY-L15067001-0028	21	2	ARA-APY-L15067001-0030	2	2
Initial 89.227	-0.009	ANA ALI 115007001 0020	21	۷	ANA ALI DISCOTOGI COSC	۷	2
	-0.009	7D7 7DV 11E067001 0000	0.1	2	7D7 7DV 11E067001 0000	2	2
Circuit 1 C1	0 000	ARA-APY-L15067001-0028	21	3	ARA-APY-L15067001-0030	2	3
Initial 90.626	-0.029		0.1	4			
Circuit 1 A1 22	LA 56	ARA-APY-L15067001-0030	21	1	ARA-APY-L15067001-0031	2	1

Initial 71.951 Circuit 1 B1	-0.009	ARA-APY-L15067001-0030	21	2	ARA-APY-L15067001-0031	2	2
Initial 73.373	-0.022	ARA-API-LI300/001-0030	21	2	ARA-API-LI300/001-0031	۷	۷
Circuit 1 C1	0.022	ARA-APY-L15067001-0030	21	3	ARA-APY-L15067001-0031	2	3
Initial 74.670	-0.004	11101 1111 111300 7001 0030	21	J	711(1 7111 113007001 0031	2	5
Circuit 1 A1 23		ARA-APY-L15067001-0031	21	1	ARA-APY-L15067001-0032	2	1
Initial 50.782	0.004	11141 1111 1110007001 0001		_	11111 1111 11000,001 0002	-	_
Circuit 1 B1	0,001	ARA-APY-L15067001-0031	21	2	ARA-APY-L15067001-0032	2	2
Initial 50.820	-0.021			_		_	_
Circuit 1 C1		ARA-APY-L15067001-0031	21	3	ARA-APY-L15067001-0032	2	3
Initial 50.751	-0.012						
Circuit 1 A1 24	LA 56	ARA-APY-L15067001-0032	21	1	ARA-APY-L15067001-0032 NUEVO 1	2	1
Initial 119.726	0.002						
Circuit 1 B1		ARA-APY-L15067001-0032	21	2	ARA-APY-L15067001-0032 NUEVO 1	2	2
Initial 119.889	-0.024						
Circuit 1 C1		ARA-APY-L15067001-0032	21	3	ARA-APY-L15067001-0032 NUEVO 1	2	3
Initial 119.998	-0.033						
	LA 56	ARA-APY-L15067003-0001	21	1	ARA-APY-L15067003-0002	2	1
Initial 114.766	0.113						
Circuit 1 B1		ARA-APY-L15067003-0001	21	2	ARA-APY-L15067003-0002	2	2
Initial 114.361	0.001						
Circuit 1 C1		ARA-APY-L15067003-0001	21	3	ARA-APY-L15067003-0002	2	3
Initial 114.565	-0.008						
	LA 56	ARA-APY-L15067003-0002	21	1	ARA-APY-L15067003-0003	2	1
Initial 166.338	0.015						
Circuit 1 B1		ARA-APY-L15067003-0002	21	2	ARA-APY-L15067003-0003	2	2
Initial 166.537	0.042		0.4	0	15055000 0000		•
Circuit 1 C1	0 011	ARA-APY-L15067003-0002	21	3	ARA-APY-L15067003-0003	2	3
Initial 166.615	0.011	3D3 3D4 115067000 0000	0	1	7.7.7.7.7.1.5.0.5.7.0.2.0.0.4	0	1
Circuit 1 A1	0 000	ARA-APY-L15067003-0003	2	1	ARA-APY-L15067003-0004	2	1
Initial 128.502	0.009	7D7 7DV 11E067002 0002	2	2	3D3 3DV 11E0C7003 0004	2	2
Circuit 1 B1 Initial 128.489	0.013	ARA-APY-L15067003-0003	2	2	ARA-APY-L15067003-0004	2	2
Circuit 1 C1	0.013	ARA-APY-L15067003-0003	2	3	ARA-APY-L15067003-0004	2	3
Initial 128.320	0.011	ARA-AF1-L13007003-0003	4	J	ARA-AFI-LI3007003-0004	۷	J
Circuit 1 A1	0.011	ARA-APY-L15067003-0004	2	1	ARA-APY-L15067003-0005	2	1
Initial 106.903	0.006	ANA AII 113007003 0004	2	_	ANA ALI 113007003 0003	۷	
Circuit 1 B1	0.000	ARA-APY-L15067003-0004	2	2	ARA-APY-L15067003-0005	2	2
Initial 106.310	-0.002	11141 1111 1113007003 0001	2	2	71141 7111 1113007000 0000	_	2
Circuit 1 C1	0.002	ARA-APY-L15067003-0004	2	3	ARA-APY-L15067003-0005	2	3
Initial 105.775	-0.009		_	•		_	_
	LA 56	ARA-APY-L15067003-0005	21	1	ARA-APY-L15067003-0006	2	1
Initial 99.058	-0.015						
Circuit 1 B1		ARA-APY-L15067003-0005	21	2	ARA-APY-L15067003-0006	2	2

		.017		0.1		45065000 0006	•	•
	C1 8.383 -0	.021	ARA-APY-L15067003-0005	21	3	ARA-APY-L15067003-0006	2	3
Circuit 1	8.383 -0 A1 28 LA	– –	ARA-APY-L15067003-0006	21	1	ARA-APY-L15067003-0007	2	1
	-	.005	ARA-AF1-L13007003-0000	21	Τ.	ARA-AFI-LI3007003-0007	2	Τ.
Circuit 1	B1	.005	ARA-APY-L15067003-0006	21	2	ARA-APY-L15067003-0007	2	2
		.008	71101 7111 1113007003 0000	21	2	711(1) 7111 1113007003 0007	2	2
Circuit 1	C1	• • • • •	ARA-APY-L15067003-0006	21	3	ARA-APY-L15067003-0007	2	3
		.006						
Circuit 1	A1		ARA-APY-L15067003-0007	2	1	ARA-APY-L15067003-0008	2	1
Initial 84	4.779 -0	.001						
Circuit 1	B1		ARA-APY-L15067003-0007	2	2	ARA-APY-L15067003-0008	2	2
Initial 8	4.627 0	.007						
Circuit 1	C1		ARA-APY-L15067003-0007	2	3	ARA-APY-L15067003-0008	2	3
Initial 8	4.537 0	.010						
Circuit 1	A1		ARA-APY-L15067003-0008	2	1	ARA-APY-L15067003-0009	2	1
		.030						
Circuit 1	B1		ARA-APY-L15067003-0008	2	2	ARA-APY-L15067003-0009	2	2
		.040						
Circuit 1	C1		ARA-APY-L15067003-0008	2	3	ARA-APY-L15067003-0009	2	3
		.028	45065000 0000		_	45065000 0040		_
Circuit 1	A1	0.1.0	ARA-APY-L15067003-0009	2	1	ARA-APY-L15067003-0010	2	1
		.013	15065000 0000		0	777 777 715065000 0010	0	0
Circuit 1	B1	000	ARA-APY-L15067003-0009	2	2	ARA-APY-L15067003-0010	2	2
		.003	7D7 7DV 115067000 0000	2	3	7D7 7DV 11F0C7002 0010	^	2
	C1 7.585 0	.005	ARA-APY-L15067003-0009	2	3	ARA-APY-L15067003-0010	2	3
	7.585 U	.005	ARA-APY-L15067003-0010	2	1	ARA-APY-L15067003-0010 NUEVO 1	2	1
		.001	ARA-AFI-LI3007003-0010	2	Т	ARA-AFI-LI3007003-0010_N0EVO_1	۷	Τ.
Circuit 1	B1	.001	ARA-APY-L15067003-0010	2	2	ARA-APY-L15067003-0010 NUEVO 1	2	2
		.004	ARA-AF1-L13007003-0010	۷	2	ARA-AF1-L13007003-0010_N0EVO_1	2	2
Circuit 1	C1	.001	ARA-APY-L15067003-0010	2	3	ARA-APY-L15067003-0010 NUEVO 1	2	3
	-	.003	71101 7111 1113007003 0010	2	9	11141 1111 1110007000 0010_10110_1	_	9
Circuit 1			-L15067003-0010 NUEVO 1	21	1	ARA-APY-L15067003-0010 NUEVO 2	2	1
		.001			_	11111 1111 1111 1111 1111 1111 1111 1111	_	_
Circuit 1	B1		-L15067003-0010 NUEVO 1	21	2	ARA-APY-L15067003-0010 NUEVO 2	2	2
		.020						
	C1	ARA-APY	-L15067003-0010 NUEVO 1	21	3	ARA-APY-L15067003-0010 NUEVO 2	2	3
Initial 7	6.653 0	.019						

Structure Material List Report

Structure File Name Number Number

	in	in
	Selected Line	All
	Line	Lines
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#1	.stk 1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#1		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#1		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#1		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#1		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#1		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#1		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#2		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#2		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#2		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#2		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#2		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#2		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#2		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#3		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#4		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#4		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#4		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#4		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#5		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#6		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#8		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.#9		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Deadend Clamp.st		0
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#10.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#12.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#13.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#14.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#21.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#23.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#24.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#26.s		1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#3.st		1
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E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#38.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#39.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#4.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#42.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#43.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#44.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#45.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.#7.stk	1	1
E:\PLS CADD Aero Laser\13892 CORTA TELL\Structures\Susp Clamp.stk	0	0
Total number of structures =	47	47

Cable Material List Report

Notes: Lengths are arc lengths along the wire at 15 (deg C), Creep.

Lengths are adjusted for the number of phases, the number of subconductors and to exclude the length of strain insulators.

Lengths are computed with any concentrated loads removed.

Cable	Number			
File	Of	At Stringing		
Name	Sections	Condition		
		(m)		
E:\PLS CADD Aero Laser\13892 CORTA TELL\Cables\LA 56	29	15956		