

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:

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

#### Structure List Report

Struct. Number	Station (m)	Line Angle (deg)	Ahead Span (m)	Height Adjust (m)	Offset Adjust (m)	Orient Angle (deg)	Name/Description/Comments/Material
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CORTA_TELL	0.00	0.00	30.94	7.30	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#1.stk							
ARA-APY-L15067001-0001	30.94	71.77	80.42	17.44	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#2.stk							
ARA-APY-L15067001-0002	111.37	-0.22	141.95	15.82	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Susp Clamp.#3.stk							
ARA-APY-L15067001-0003	253.31	-0.03	66.78	13.76	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Susp Clamp.#4.stk							
ARA-APY-L15067001-0004	320.09	-26.94	79.07	15.84	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#5.stk							
ARA-APY-L15067001-0005	399.16	5.82	86.02	14.05	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#6.stk							
ARA-APY-L15067001-0006	485.18	0.06	106.48	16.05	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Susp Clamp.#7.stk							
ARA-APY-L15067001-0007	591.66	-43.39	216.29	16.12	0.00	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	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#9.stk							
ARA-APY-L15067001-0009	940.88	-0.09	143.94	13.91	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Susp Clamp.#10.stk							
ARA-APY-L15067001-0010	1084.82	-10.57	79.11	14.21	0.00	0.00	E:\PLS CADD_Aero_Laser\13892
_CORTA_TELL\Structures\Deadend Clamp.#11.stk							
ARA-APY-L15067001-0010							

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

ARA-APY-L15067001-0021 2588.05 -0.12 103.33 13.87 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Susp Clamp.#23.stk

ARA-APY-L15067001-0022 2691.38 -0.03 119.91 14.25 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Susp Clamp.#24.stk

ARA-APY-L15067001-0023 2811.29 0.07 101.68 14.05 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#25.stk

ARA-APY-L15067001-0024 2912.97 -0.08 138.53 14.17 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Susp Clamp.#26.stk

ARA-APY-L15067001-0025 3051.50 -9.84 129.81 14.20 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#27.stk

ARA-APY-L15067001-0026 3181.31 0.04 230.41 20.25 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#28.stk

ARA-APY-L15067001-0027 3411.72 0.03 159.24 16.71 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#29.stk

ARA-APY-L15067001-0028 3570.97 0.13 90.16 14.15 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#30.stk

ARA-APY-L15067001-0030 3661.13 0.00 83.81 14.98 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#31.stk

ARA-APY-L15067001-0016\_NUEVO\_1 3866.33 0.00 0.00 9.96 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#32.stk

ARA-APY-L15067001-0031 4041.23 -2.90 50.86 15.93 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#33.stk

ARA-APY-L15067001-0031

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

ARA-APY-L15067003-0010 5380.39 0.27 51.44 12.05 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Susp Clamp.#45.stk

ARA-APY-L15067003-0010\_NUEVO\_1 5431.83 -0.48 78.51 15.66 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#46.stk

ARA-APY-L15067003-0010\_NUEVO\_2 5510.34 0.00 0.00 9.73 0.00 0.00 E:\PLS CADD\_Aero\_Laser\13892  
\_CORTA\_TELL\Structures\Deadend Clamp.#47.stk

ARA-APY-L15067003-0010\_NUEVO\_2

### Structure Coordinates Report

Sets In	Struct.	Station	Line	Ahead	X	Y	Z	Structure
XY Structure	Number		Angle	Span				Name
Line Angle		(m)	(deg)	(m)	(m)	(m)	(m)	
Calculation								
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Not Applicable	CORTA_TELL	0.00	0.00	30.94	759800.97	4715502.68	681.22	Deadend Clamp.#1.stk
Not Applicable	ARA-APY-L15067001-0001	30.94	71.77	80.42	759800.55	4715533.62	684.13	Deadend Clamp.#2.stk
Not Applicable	ARA-APY-L15067001-0002	111.37	-0.22	141.95	759876.59	4715559.81	715.76	Susp Clamp.#3.stk
Not Applicable	ARA-APY-L15067001-0003	253.31	-0.03	66.78	760010.62	4715606.55	738.00	Susp Clamp.#4.stk
Not Applicable	ARA-APY-L15067001-0004	320.09	-26.94	79.07	760073.66	4715628.57	749.39	Deadend Clamp.#5.stk
Not Applicable	ARA-APY-L15067001-0005	399.16	5.82	86.02	760128.39	4715685.64	763.49	Deadend Clamp.#6.stk
Not Applicable	ARA-APY-L15067001-0006	485.18	0.06	106.48	760193.92	4715741.37	782.87	Susp Clamp.#7.stk
Not Applicable	ARA-APY-L15067001-0007	591.66	-43.39	216.29	760275.11	4715810.26	798.54	Deadend Clamp.#8.stk
Not Applicable								

Not Applicable	ARA-APY-L15067001-0008	807.95	0.01	132.93	760298.84	4716025.24	805.47	Deadend Clamp.#9.stk
Not Applicable	ARA-APY-L15067001-0009	940.88	-0.09	143.94	760313.44	4716157.37	828.56	Susp Clamp.#10.stk
Not Applicable	ARA-APY-L15067001-0010	1084.82	-10.57	79.11	760329.02	4716300.46	866.61	Deadend Clamp.#11.stk
Not Applicable	ARA-APY-L15067001-0011	1163.93	0.05	152.62	760323.01	4716379.34	876.02	Susp Clamp.#12.stk
Not Applicable	ARA-APY-L15067001-0012	1316.55	0.03	188.42	760311.56	4716531.53	897.89	Susp Clamp.#13.stk
Not Applicable	ARA-APY-L15067001-0013	1504.97		156.52	760297.52	4716719.43	918.46	Susp Clamp.#14.stk
Not Applicable	ARA-APY-L15067001-0014	1661.49	10.33	140.67	760285.93	4716875.52	955.29	Deadend Clamp.#15.stk
Not Applicable	ARA-APY-L15067001-0015	1802.16	-0.09	91.57	760300.84	4717015.40	941.76	Deadend Clamp.#16.stk
Not Applicable	ARA-APY-L15067001-0016	1893.73	-9.89	212.13	760310.41	4717106.47	943.15	Deadend Clamp.#17.stk
Not Applicable	ARA-APY-L15067001-0017	2105.86	-0.05	90.07	760296.01	4717318.11	978.80	Deadend Clamp.#18.stk
Not Applicable	ARA-APY-L15067001-0017_NUEVO_1	2195.94		78.96	760289.82	4717407.97	1016.94	Deadend Clamp.#19.stk
Not Applicable	ARA-APY-L15067001-0018	2274.90	46.32	96.28	760284.33	4717486.74	1052.33	Deadend Clamp.#20.stk
Not Applicable	ARA-APY-L15067001-0019	2371.17	-0.22	113.95	760349.17	4717557.91	1086.89	Susp Clamp.#21.stk
Not Applicable	ARA-APY-L15067001-0020	2485.12	0.31	102.93	760425.59	4717642.43	1129.60	Deadend Clamp.#22.stk
Not Applicable	ARA-APY-L15067001-0021	2588.05	-0.12	103.33	760495.03	4717718.41	1186.89	Susp Clamp.#23.stk
Not Applicable	ARA-APY-L15067001-0022	2691.38	-0.03	119.91	760564.58	4717794.83	1226.58	Susp Clamp.#24.stk
Not Applicable	ARA-APY-L15067001-0023	2811.29	0.07	101.68	760645.25	4717883.55	1238.73	Deadend Clamp.#25.stk
Not Applicable	ARA-APY-L15067001-0024	2912.97	-0.08	138.53	760713.75	4717958.69	1287.55	Susp Clamp.#26.stk
Not Applicable	ARA-APY-L15067001-0025	3051.50	-9.84	129.81	760806.93	4718061.20	1328.96	Deadend Clamp.#27.stk
Not Applicable	ARA-APY-L15067001-0026	3181.31	0.04	230.41	760876.55	4718170.76	1323.23	Deadend Clamp.#28.stk
Not Applicable	ARA-APY-L15067001-0027	3411.72	0.03	159.24	761000.25	4718365.15	1341.84	Deadend Clamp.#29.stk
Not Applicable	ARA-APY-L15067001-0028	3570.97	0.13	90.16	761085.82	4718499.45	1375.76	Deadend Clamp.#30.stk

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							
ARA-APY-L15067001-0031	4041.23	-2.90	50.86	761204.08	4718547.79	1364.15	Deadend Clamp.#33.stk
Not Applicable							
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	4212.18	0.00	0.00	761366.01	4718493.00	1339.62	Deadend Clamp.#35.stk
Not Applicable							
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							
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	4898.85	-34.39	96.10	760830.70	4719077.28	1219.15	Deadend Clamp.#40.stk
Not Applicable							
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	5098.93	-0.08	80.50	760648.48	4719159.90	1171.01	Susp Clamp.#42.stk
Not Applicable							
ARA-APY-L15067003-0008	5179.43	0.21	134.20	760574.90	4719192.55	1144.57	Susp Clamp.#43.stk
Not Applicable							
ARA-APY-L15067003-0009	5313.63	-0.16	66.76	760452.43	4719247.43	1129.19	Susp Clamp.#44.stk
Not Applicable							
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	5431.83	-0.48	78.51	760344.53	4719295.68	1105.90	Deadend Clamp.#46.stk
Not Applicable							
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.



Struct. Set Phase				Circuit Phase		Structure		Set			
Insulator		Wire		Ahead		Mid		Low			
TIN Z below		Ahead		Ahead							
Number No.		No.		Label		Label		Name		Label	
Attach		Attach		Span		Span		Point			
Insulator		Wire		Mid		Low		Span		Span	
Point		Point		Point		Point					
Attach		Span		Arc		Slack					
Z		X		Y		Z		X		Y	
Point		Length									
(m)		(m)		(m)		(m)		(m)		(m)	
(m)		(m)		(m)		(m)		(m)		(m)	
</											

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777.40	760128.95	4715683.50	777.40	0.00	0.00	0.00	0.00	0.00	0.00	763.17
763.17	0.00	0.00	0.000	0.000						
			2						760127.69	4715685.04
777.36	760127.69	4715685.04	777.36	0.00	0.00	0.00	0.00	0.00	0.00	763.44
763.44	0.00	0.00	0.000	0.000						
			3						760126.68	4715686.82
777.36	760126.68	4715686.82	777.36	0.00	0.00	0.00	0.00	0.00	0.00	763.56
763.56	0.00	0.00	0.000	0.000						
			21	1 Circuit 1	A1				760130.01	4715684.39
777.58	760130.01	4715684.39	777.58	760162.59	4715712.12	787.12	760130.01	4715684.39	777.58	763.44
763.44	770.01	763.44	88.098	0.022						
			2		B1				760129.06	4715686.19
777.60	760129.06	4715686.19	777.60	760161.49	4715713.79	787.00	760129.06	4715686.19	777.60	763.66
763.66	766.81	763.66	87.711	0.030						
			3		C1				760127.85	4715687.81
777.56	760127.85	4715687.81	777.56	760160.23	4715715.36	787.07	760127.85	4715687.81	777.56	763.75
763.75	764.70	763.75	87.559	0.024						
	ARA-APY-L15067001-0006	2	1 Circuit 1	A1	Susp Clamp.#7.stk	Circ1	760195.18	4715739.84		
798.44	760195.18	4715739.84	798.44	760235.69	4715774.46	803.92	760195.18	4715739.84	798.44	783.71
783.71	787.81	783.71	107.506	0.048						
			2		B1				760193.91	4715741.39
798.43	760193.91	4715741.39	798.43	760234.17	4715775.54	804.89	760193.91	4715741.39	798.43	782.88
782.88	786.95	782.88	106.856	0.062						
			3		C1				760192.60	4715742.91
798.41	760192.60	4715742.91	798.41	760232.84	4715776.84	803.79	760192.60	4715742.91	798.41	781.82
781.82	786.21	781.82	106.215	0.053						
	ARA-APY-L15067001-0007	2	1		Deadend Clamp.#8.stk	Circ1	760276.19	4715809.08		
812.20	760276.19	4715809.08	812.20	0.00	0.00	0.00	0.00	0.00	0.00	798.32
798.32	0.00	0.00	0.000	0.000						
			2						760274.42	4715809.69
814.54	760274.42	4715809.69	814.54	0.00	0.00	0.00	0.00	0.00	0.00	798.38
798.38	0.00	0.00	0.000	0.000						
			3						760273.08	4715810.77
812.10	760273.08	4715810.77	812.10	0.00	0.00	0.00	0.00	0.00	0.00	798.59
798.59	0.00	0.00	0.000	0.000						
			21	1 Circuit 1	A1				760276.62	4715809.83
812.23	760276.62	4715809.83	812.23	760288.57	4715917.18	808.52	760285.67	4715891.07	808.09	798.53
798.53	783.31	786.52	216.785	0.645						
			2		B1				760275.22	4715811.05
814.61	760275.22	4715811.05	814.61	760287.00	4715917.77	810.04	760284.43	4715894.50	809.65	798.47
798.47	782.55	785.40	215.671	0.815						
			3		C1				760273.59	4715811.70

812.16	760273.59	4715811.70	812.16	760285.32	4715918.32	808.29	760282.51	4715892.80	807.86	798.57
798.57	781.69	785.21	215.323	0.686						
	ARA-APY-L15067001-0008	2	1				Deadend Clamp.#9.stk	Circ1	760300.53	4716024.53
819.28	760300.53	4716024.53	819.28	0.00	0.00	0.00	0.00	0.00	0.00	806.26
806.26	0.00	0.00	0.000	0.000						
			2						760298.77	4716024.49
821.70	760298.77	4716024.49	821.70	0.00	0.00	0.00	0.00	0.00	0.00	805.63
805.63	0.00	0.00	0.000	0.000						
			3						760297.06	4716024.93
819.29	760297.06	4716024.93	819.29	0.00	0.00	0.00	0.00	0.00	0.00	805.32
805.32	0.00	0.00	0.000	0.000						
			21	1 Circuit	1	A1			760300.65	4716025.63
819.39	760300.65	4716025.63	819.39	760308.02	4716091.32	827.73	760300.65	4716025.63	819.39	806.22
806.22	807.80	806.22	134.274	0.167						
			2		B1				760298.93	4716026.05
821.81	760298.93	4716026.05	821.81	760306.18	4716091.71	828.99	760298.93	4716026.04	821.81	805.51
805.51	807.03	805.51	133.831	0.165						
			3		C1				760297.16	4716025.78
819.40	760297.16	4716025.78	819.40	760304.30	4716091.65	828.09	760297.16	4716025.78	819.40	805.42
805.42	806.06	805.42	134.556	0.131						
	ARA-APY-L15067001-0009	2	1 Circuit	1	A1	Susp Clamp.#10.stk	Circ1	760315.38	4716157.01	
841.95	760315.38	4716157.01	841.95	760323.06	4716228.43	856.97	760315.38	4716157.00	841.95	829.02
829.02	841.26	829.02	148.540	0.201						
			2		B1				760313.42	4716157.38
841.99	760313.42	4716157.38	841.99	760321.17	4716228.50	857.82	760313.42	4716157.38	841.99	828.73
828.73	839.46	828.73	148.403	0.205						
			3		C1				760311.43	4716157.52
841.99	760311.43	4716157.52	841.99	760319.32	4716228.71	857.22	760311.43	4716157.52	841.99	827.81
827.81	837.97	827.81	148.081	0.172						
	ARA-APY-L15067001-0010	2	1				Deadend Clamp.#11.stk	Circ1	760330.73	4716299.85
878.88	760330.73	4716299.85	878.88	0.00	0.00	0.00	0.00	0.00	0.00	866.74
866.74	0.00	0.00	0.000	0.000						
			2						760328.93	4716299.61
880.63	760328.93	4716299.61	880.63	0.00	0.00	0.00	0.00	0.00	0.00	866.44
866.44	0.00	0.00	0.000	0.000						
			3						760327.20	4716299.90
878.82	760327.20	4716299.90	878.82	0.00	0.00	0.00	0.00	0.00	0.00	866.13
866.13	0.00	0.00	0.000	0.000						
			21	1 Circuit	1	A1			760330.72	4716300.99
879.08	760330.72	4716300.99	879.08	760327.86	4716340.20	883.25	760330.72	4716300.99	879.08	867.02
867.02	872.65	867.02	79.336	0.035						

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973.19	760284.20	4716875.09	973.19	0.00	0.00	0.00	0.00	0.00	0.00	955.53
955.53	0.00	0.00	0.000	0.000						
			21	1 Circuit 1	A1			760287.70	4716875.98	
973.20	760287.70	4716875.98	973.20	760295.24	4716945.23	961.05	760302.77	4717014.48	955.54	954.57
954.57	945.30	940.20	140.639	0.207						
			2		B1			760285.98	4716876.32	
975.01	760285.98	4716876.32	975.01	760293.38	4716945.48	962.03	760300.77	4717014.64	955.56	955.04
955.04	946.61	941.68	140.663	0.198						
			3		C1			760284.22	4716876.13	
973.23	760284.22	4716876.13	973.23	760291.50	4716945.51	961.24	760298.78	4717014.90	955.57	955.59
955.59	946.96	941.65	140.828	0.187						
	ARA-APY-L15067001-0015	2	1		Deadend Clamp.#16.stk		Circ1	760302.77	4717014.48	
955.54	760302.77	4717014.48	955.54	0.00	0.00	0.00	0.00	0.00	0.00	940.20
940.20	0.00	0.00	0.000	0.000						
			2					760300.77	4717014.64	
955.56	760300.77	4717014.64	955.56	0.00	0.00	0.00	0.00	0.00	0.00	941.68
941.68	0.00	0.00	0.000	0.000						
			3					760298.78	4717014.89	
955.57	760298.78	4717014.89	955.57	0.00	0.00	0.00	0.00	0.00	0.00	941.65
941.65	0.00	0.00	0.000	0.000						
			21	1 Circuit 1	A1			760302.93	4717016.03	
955.50	760302.93	4717016.03	955.50	760307.86	4717060.78	955.78	760304.78	4717032.82	955.34	940.57
940.57	939.71	941.34	90.116	0.038						
			2		B1			760300.94	4717016.20	
955.52	760300.94	4717016.20	955.52	760305.58	4717060.83	956.29	760301.56	4717022.23	955.50	941.71
941.71	941.20	941.59	89.838	0.033						
			3		C1			760298.94	4717016.22	
955.56	760298.94	4717016.22	955.56	760303.34	4717060.89	955.76	760300.76	4717034.70	955.36	941.69
941.69	943.01	941.65	89.868	0.039						
	ARA-APY-L15067001-0016	2	1		Deadend Clamp.#17.stk		Circ1	760312.78	4717105.53	
958.34	760312.78	4717105.53	958.34	0.00	0.00	0.00	0.00	0.00	0.00	942.79
942.79	0.00	0.00	0.000	0.000						
			2					760310.22	4717105.45	
959.17	760310.22	4717105.45	959.17	0.00	0.00	0.00	0.00	0.00	0.00	943.16
943.16	0.00	0.00	0.000	0.000						
			3					760307.75	4717105.57	
958.26	760307.75	4717105.57	958.26	0.00	0.00	0.00	0.00	0.00	0.00	943.07
943.07	0.00	0.00	0.000	0.000						
			3	1 Circuit 1	A1			760312.05	4717107.21	
955.89	760312.05	4717107.21	955.89	760306.73	4717158.94	950.64	760303.01	4717195.11	949.57	943.17
943.17	921.45	933.08	104.303	0.122						
			2		B1			760310.33	4717107.26	

955.91	760310.33	4717107.26	955.91	760305.01	4717158.79	950.79	760301.09	4717196.70	949.67	942.92
942.92	921.02	933.82	103.894	0.110						
				3	C1				760308.55	4717107.20
955.87	760308.55	4717107.20	955.87	760303.25	4717158.79	950.74	760299.42	4717196.01	949.65	942.76
942.76	920.91	933.69	103.999	0.113						
			21	1	A1				760312.80	4717107.33
958.32	760312.80	4717107.33	958.32	760305.28	4717212.43	963.87	760310.63	4717137.69	957.23	942.84
942.84	939.93	932.22	216.274	2.149						
				2	B1				760310.29	4717107.31
959.20	760310.29	4717107.31	959.20	760303.16	4717212.29	965.60	760308.47	4717134.06	958.35	942.91
942.91	940.22	931.83	216.205	2.117						
				3	C1				760307.78	4717107.45
958.24	760307.78	4717107.45	958.24	760301.03	4717212.47	964.14	760305.95	4717135.86	957.30	942.70
942.70	940.65	931.05	215.924	2.055						
	ARA-APY-L15067001-0017	2	1		Deadend Clamp.#18.stk	Circ1	760297.77	4717317.54		
996.19	760297.77	4717317.54	996.19	0.00	0.00	0.00	0.00	0.00	0.00	978.74
978.74	0.00	0.00	0.000	0.000						
				2					760296.04	4717317.26
998.60	760296.04	4717317.26	998.60	0.00	0.00	0.00	0.00	0.00	0.00	978.76
978.76	0.00	0.00	0.000	0.000						
				3					760294.28	4717317.49
996.19	760294.28	4717317.49	996.19	0.00	0.00	0.00	0.00	0.00	0.00	978.81
978.81	0.00	0.00	0.000	0.000						
			21	1	Circuit 1	A1			760297.75	4717318.51
996.55	760297.75	4717318.51	996.55	760294.80	4717362.85	1011.81	760297.75	4717318.51	996.55	978.91
978.91	994.54	978.91	95.381	0.089						
				2	B1				760295.97	4717319.06
998.98	760295.97	4717319.06	998.98	760292.92	4717363.07	1012.97	760295.97	4717319.06	998.98	978.95
978.95	994.76	978.95	93.915	0.096						
				3	C1				760294.20	4717318.75
996.63	760294.20	4717318.75	996.63	760291.02	4717363.07	1012.10	760294.20	4717318.75	996.63	979.13
979.13	995.02	979.13	95.354	0.071						
	ARA-APY-L15067001-0017_NUEVO_1	2	1		Deadend Clamp.#19.stk	Circ1	760291.86	4717407.20		
1030.90	760291.86	4717407.20	1030.90	0.00	0.00	0.00	0.00	0.00	0.00	1016.67
1016.67	0.00	0.00	0.000	0.000						
				2					760289.87	4717407.08
1030.87	760289.87	4717407.08	1030.87	0.00	0.00	0.00	0.00	0.00	0.00	1016.86
1016.86	0.00	0.00	0.000	0.000						
				3					760287.85	4717407.39
1030.99	760287.85	4717407.39	1030.99	0.00	0.00	0.00	0.00	0.00	0.00	1016.75
1016.75	0.00	0.00	0.000	0.000						
			21	1	Circuit 1	A1			760291.84	4717408.51

1031.25	760291.84	4717408.51	1031.25	760289.05	4717446.92	1046.22	760291.84	4717408.51	1031.25	1017.31
1017.31	1035.91	1017.31	83.694	0.048						
			2		B1			760289.80	4717408.82	
1031.33	760289.80	4717408.82	1031.33	760287.07	4717447.36	1046.60	760289.80	4717408.82	1031.33	1017.41
1017.41	1036.35	1017.41	83.895	0.028						
			3		C1			760287.80	4717408.82	
1031.33	760287.80	4717408.82	1031.33	760285.12	4717447.62	1046.63	760287.80	4717408.82	1031.33	1017.38
1017.38	1036.69	1017.38	84.339	0.025						
	ARA-APY-L15067001-0018	2	1		Deadend Clamp.#20.stk	Circ1	760286.27	4717485.34		
1063.86	760286.27	4717485.34	1063.86	0.00	0.00	0.00	0.00	0.00	0.00	1052.05
1052.05	0.00	0.00	0.000	0.000						
			2					760284.35	4717485.91	
1063.91	760284.35	4717485.91	1063.91	0.00	0.00	0.00	0.00	0.00	0.00	1052.47
1052.47	0.00	0.00	0.000	0.000						
			3					760282.44	4717486.42	
1063.86	760282.44	4717486.42	1063.86	0.00	0.00	0.00	0.00	0.00	0.00	1052.29
1052.29	0.00	0.00	0.000	0.000						
			21	1 Circuit 1	A1			760286.80	4717486.87	
1064.31	760286.80	4717486.87	1064.31	760318.80	4717521.76	1080.22	760286.80	4717486.87	1064.31	1052.35
1052.35	1066.00	1052.35	101.453	0.106						
			2		B1			760284.91	4717487.47	
1064.32	760284.91	4717487.47	1064.32	760317.07	4717522.70	1080.14	760284.91	4717487.47	1064.32	1052.73
1052.73	1066.17	1052.73	102.124	0.115						
			3		C1			760282.96	4717488.00	
1064.30	760282.96	4717488.00	1064.30	760315.34	4717523.59	1079.94	760282.96	4717488.00	1064.30	1052.58
1052.58	1065.83	1052.58	102.958	0.138						
	ARA-APY-L15067001-0019	2	1 Circuit 1	A1	Susp Clamp.#21.stk	Circ1	760350.80	4717556.66		
1100.42	760350.80	4717556.66	1100.42	760388.60	4717598.48	1119.83	760350.80	4717556.66	1100.42	1085.96
1085.96	1106.00	1085.96	121.626	0.188						
			2		B1			760349.22	4717557.93	
1100.45	760349.22	4717557.93	1100.45	760387.10	4717599.84	1119.77	760349.22	4717557.93	1100.45	1087.04
1087.04	1107.62	1087.04	121.868	0.201						
			3		C1			760347.72	4717559.18	
1100.50	760347.72	4717559.18	1100.50	760385.64	4717601.16	1119.56	760347.72	4717559.18	1100.50	1087.52
1087.52	1108.49	1087.51	122.025	0.232						
	ARA-APY-L15067001-0020	2	1		Deadend Clamp.#22.stk	Circ1	760426.40	4717640.30		
1145.54	760426.40	4717640.30	1145.54	0.00	0.00	0.00	0.00	0.00	0.00	1128.59
1128.59	0.00	0.00	0.000	0.000						
			2					760424.98	4717641.74	
1145.61	760424.98	4717641.74	1145.61	0.00	0.00	0.00	0.00	0.00	0.00	1129.45
1129.45	0.00	0.00	0.000	0.000						



1145.62	760423.55	4717643.13	1145.62	3					760423.55	4717643.13	
1130.28	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	1130.28
			21	1	Circuit 1	A1			760427.72	4717641.75	
1146.18	760427.72	4717641.75	1146.18		760462.11	4717679.38	1170.71	760427.72	4717641.75	1146.18	1129.41
1129.41	1159.27	1129.41	115.455	0.108							
			2		B1				760426.23	4717643.12	
1146.19	760426.23	4717643.12	1146.19		760460.64	4717680.78	1170.93	760426.23	4717643.12	1146.19	1129.93
1129.93	1159.19	1129.93	115.502	0.090							
			3		C1				760424.64	4717644.35	
1146.14	760424.64	4717644.35	1146.14		760459.13	4717682.05	1170.94	760424.64	4717644.34	1146.14	1131.04
1131.04	1159.47	1131.04	115.673	0.089							
	ARA-APY-L15067001-0021	2	1	Circuit 1	A1	Susp Clamp.#23.stk	Circ1	760496.51	4717717.01		
1200.12	760496.51	4717717.01	1200.12		760531.31	4717755.27	1217.84	760496.51	4717717.00	1200.12	1185.61
1185.61	1203.45	1185.60	111.062	0.114							
			2		B1				760495.06	4717718.44	
1200.13	760495.06	4717718.44	1200.13		760529.81	4717756.65	1218.01	760495.06	4717718.44	1200.13	1186.77
1186.77	1204.39	1186.77	110.914	0.099							
			3		C1				760493.61	4717719.75	
1200.16	760493.61	4717719.75	1200.16		760528.36	4717757.98	1218.01	760493.61	4717719.75	1200.16	1187.28
1187.28	1205.32	1187.28	110.931	0.100							
	ARA-APY-L15067001-0022	2	1	Circuit 1	A1	Susp Clamp.#24.stk	Circ1	760566.11	4717793.54		
1240.22	760566.11	4717793.54	1240.22		760606.12	4717837.55	1243.12	760568.42	4717796.08	1240.21	1225.66
1225.66	1228.00	1225.42	119.839	0.239							
			2		B1				760564.57	4717794.85	
1240.24	760564.57	4717794.85	1240.24		760604.61	4717838.89	1243.33	760564.57	4717794.85	1240.24	1226.77
1226.77	1229.69	1226.77	119.883	0.211							
			3		C1				760563.12	4717796.21	
1240.22	760563.12	4717796.21	1240.22		760603.22	4717840.33	1243.45	760563.12	4717796.21	1240.22	1227.27
1227.27	1231.84	1227.27	120.070	0.194							
	ARA-APY-L15067001-0023	2	1			Deadend Clamp.#25.stk	Circ1	760646.12	4717881.57		
1252.61	760646.12	4717881.57	1252.61		0.00	0.00	0.00	0.00	0.00	0.00	1236.43
1236.43	0.00	0.00	0.000	0.000							
			2						760644.65	4717882.92	
1252.60	760644.65	4717882.92	1252.60		0.00	0.00	0.00	0.00	0.00	0.00	1238.59
1238.59	0.00	0.00	0.000	0.000							
			3						760643.31	4717884.45	
1252.62	760643.31	4717884.45	1252.62		0.00	0.00	0.00	0.00	0.00	0.00	1239.16
1239.16	0.00	0.00	0.000	0.000							

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1341.53	760874.74	4718171.13	1341.53	0.00	0.00	0.00	0.00	0.00	0.00	1323.79
1323.79	0.00	0.00	0.000	0.000						
		21	1 Circuit 1	A1					760878.43	4718170.43
1341.49	760878.43	4718170.43	1341.49	760939.87	4718267.01	1335.07	760923.39	4718241.10	1334.08	1322.81
1322.81	1298.12	1291.39	231.656	2.226						
		2		B1					760877.18	4718171.68
1343.26	760877.18	4718171.68	1343.26	760938.51	4718268.11	1335.89	760923.07	4718243.84	1334.95	1322.95
1322.95	1298.95	1291.47	231.626	2.559						
		3		C1					760875.69	4718172.62
1341.46	760875.69	4718172.62	1341.46	760937.06	4718269.08	1334.77	760920.92	4718243.71	1333.79	1323.68
1323.68	1300.55	1291.86	231.447	2.316						
	ARA-APY-L15067001-0027	2	1		Deadend Clamp.#29.stk		Circ1	761001.32	4718363.59	
1356.47	761001.32	4718363.59	1356.47	0.00	0.00	0.00	0.00	0.00	0.00	1341.53
1341.53	0.00	0.00	0.000	0.000						
		2							760999.84	4718364.54
1358.33	760999.84	4718364.54	1358.33	0.00	0.00	0.00	0.00	0.00	0.00	1341.89
1341.89	0.00	0.00	0.000	0.000						
		3							760998.42	4718365.53
1356.43	760998.42	4718365.53	1356.43	0.00	0.00	0.00	0.00	0.00	0.00	1342.38
1342.38	0.00	0.00	0.000	0.000						
		21	1 Circuit 1	A1					761002.10	4718364.81
1356.71	761002.10	4718364.81	1356.71	761044.53	4718431.41	1364.94	761002.10	4718364.81	1356.71	1341.52
1341.52	1347.89	1341.52	161.806	0.852						
		2		B1					761000.87	4718366.09
1358.52	761000.87	4718366.09	1358.52	761043.11	4718432.37	1366.96	761000.87	4718366.09	1358.52	1342.10
1342.10	1348.68	1342.10	161.045	0.810						
		3		C1					760999.50	4718367.23
1356.71	760999.50	4718367.23	1356.71	761041.73	4718433.51	1365.07	760999.50	4718367.23	1356.71	1342.78
1342.78	1349.73	1342.78	161.078	0.833						
	ARA-APY-L15067001-0028	2	1		Deadend Clamp.#30.stk		Circ1	761086.96	4718498.00	
1387.81	761086.96	4718498.00	1387.81	0.00	0.00	0.00	0.00	0.00	0.00	1375.43
1375.43	0.00	0.00	0.000	0.000						
		2							761085.35	4718498.64
1389.64	761085.35	4718498.64	1389.64	0.00	0.00	0.00	0.00	0.00	0.00	1375.50
1375.50	0.00	0.00	0.000	0.000						
		3							761083.95	4718499.80
1387.87	761083.95	4718499.80	1387.87	0.00	0.00	0.00	0.00	0.00	0.00	1376.29
1376.29	0.00	0.00	0.000	0.000						
		21	1 Circuit 1	A1					761087.76	4718499.25
1387.86	761087.76	4718499.25	1387.86	761111.18	4718536.04	1380.63	761134.61	4718572.83	1376.93	1375.55
1375.55	1363.20	1361.79	87.996	0.093						
		2		B1					761086.40	4718500.37

1389.70	761086.40	4718500.37	1389.70	761110.18	4718537.55	1381.59	761133.95	4718574.73	1376.98	1375.53
1375.53	1362.99	1361.98	89.265	0.090						
			3		C1			761084.58	4718500.79	
1387.99	761084.58	4718500.79	1387.99	761108.87	4718538.61	1380.88	761133.16	4718576.44	1377.05	1375.90
1375.90	1363.12	1361.62	90.646	0.079						
	ARA-APY-L15067001-0030	2	1		Deadend Clamp.#31.stk		Circ1	761134.61	4718572.83	
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	0.000						
			2					761133.95	4718574.73	
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	0.000						
			3					761133.16	4718576.44	
1377.05	761133.16	4718576.44	1377.05	0.00	0.00	0.00	0.00	0.00	0.00	1361.62
1361.62	0.00	0.00	0.000	0.000						
			3	1	Circuit 1	A1		761135.84	4718576.37	
1373.97	761135.84	4718576.37	1373.97	761113.78	4718611.57	1365.54	761091.71	4718646.77	1359.38	1362.09
1362.09	1356.58	1345.49	84.405	0.040						
			2		B1			761134.05	4718576.11	
1373.97	761134.05	4718576.11	1373.97	761112.20	4718610.91	1365.43	761090.34	4718645.71	1359.38	1361.84
1361.84	1356.13	1345.34	83.522	0.048						
			3		C1			761132.71	4718574.93	
1374.08	761132.71	4718574.93	1374.08	761110.70	4718609.97	1365.49	761088.70	4718645.00	1359.37	1361.49
1361.49	1355.80	1345.12	84.087	0.047						
			21	1	A1			761136.06	4718573.19	
1376.91	761136.06	4718573.19	1376.91	761169.37	4718559.68	1377.72	761136.06	4718573.19	1376.91	1361.70
1361.70	1366.11	1361.70	71.989	0.020						
			2		B1			761135.19	4718575.21	
1376.95	761135.19	4718575.21	1376.95	761169.26	4718561.65	1377.86	761135.19	4718575.21	1376.95	1362.07
1362.07	1366.76	1362.07	73.406	0.014						
			3		C1			761134.61	4718577.04	
1377.02	761134.61	4718577.04	1377.02	761169.38	4718563.47	1377.75	761135.03	4718576.88	1377.02	1362.12
1362.12	1367.07	1362.16	74.717	0.020						
	ARA-APY-L15067001-0016 NUEVO_1	2	1		Deadend Clamp.#32.stk		Circ1	760301.41	4717210.66	
949.77	760301.41	4717210.66	949.77	0.00	0.00	0.00	0.00	0.00	0.00	939.72
939.72	0.00	0.00	0.000	0.000						
			2					760299.68	4717210.32	
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					760297.94	4717210.37	
949.81	760297.94	4717210.37	949.81	0.00	0.00	0.00	0.00	0.00	0.00	939.72
939.72	0.00	0.00	0.000	0.000						

	ARA-APY-L15067001-0031	2	1			Deadend Clamp.#33.stk	Circ1	761202.69	4718546.17	
1380.01	761202.69	4718546.17	1380.01	0.00	0.00	0.00	0.00	0.00	0.00	1363.68
1363.68	0.00	0.00	0.000	0.000						
			2					761203.33	4718548.10	
1379.99	761203.33	4718548.10	1379.99	0.00	0.00	0.00	0.00	0.00	0.00	1364.14
1364.14	0.00	0.00	0.000	0.000						
			3					761204.14	4718549.91	
1379.99	761204.14	4718549.91	1379.99	0.00	0.00	0.00	0.00	0.00	0.00	1364.17
1364.17	0.00	0.00	0.000	0.000						
			21	1	Circuit 1	A1		761204.34	4718545.55	
1379.85	761204.34	4718545.55	1379.85	761227.61	4718537.68	1372.89	761250.88	4718529.81	1366.88	1363.68
1363.68	1359.62	1354.22	50.816	0.011						
			2		B1			761204.92	4718547.47	
1379.90	761204.92	4718547.47	1379.90	761228.20	4718539.60	1373.15	761251.48	4718531.73	1366.91	1364.10
1364.10	1359.93	1354.72	50.841	0.003						
			3		C1			761205.79	4718549.30	
1379.83	761205.79	4718549.30	1379.83	761229.04	4718541.44	1373.04	761252.29	4718533.57	1366.87	1364.39
1364.39	1360.47	1354.72	50.775	0.005						
	ARA-APY-L15067001-0032	2	1			Deadend Clamp.#34.stk	Circ1	761250.88	4718529.81	
1366.88	761250.88	4718529.81	1366.88	0.00	0.00	0.00	0.00	0.00	0.00	1354.22
1354.22	0.00	0.00	0.000	0.000						
			2					761251.48	4718531.73	
1366.91	761251.48	4718531.73	1366.91	0.00	0.00	0.00	0.00	0.00	0.00	1354.72
1354.72	0.00	0.00	0.000	0.000						
			3					761252.29	4718533.57	
1366.87	761252.29	4718533.57	1366.87	0.00	0.00	0.00	0.00	0.00	0.00	1354.72
1354.72	0.00	0.00	0.000	0.000						
			21	1	Circuit 1	A1		761252.48	4718529.26	
1366.64	761252.48	4718529.26	1366.64	761308.62	4718510.41	1355.49	761364.76	4718491.55	1349.77	1354.29
1354.29	1344.93	1339.47	119.797	0.161						
			2		B1			761253.06	4718531.18	
1366.66	761253.06	4718531.18	1366.66	761309.23	4718512.17	1355.67	761365.40	4718493.15	1349.78	1354.88
1354.88	1345.19	1339.49	119.936	0.142						
			3		C1			761253.67	4718533.10	
1366.65	761253.67	4718533.10	1366.65	761309.85	4718513.96	1355.70	761366.03	4718494.82	1349.70	1354.77
1354.77	1345.25	1339.84	120.036	0.133						
	ARA-APY-L15067001-0032 NUEVO	1	2	1		Deadend Clamp.#35.stk	Circ1	761364.76	4718491.55	
1349.77	761364.76	4718491.55	1349.77	0.00	0.00	0.00	0.00	0.00	0.00	1339.47
1339.47	0.00	0.00	0.000	0.000						
			2					761365.40	4718493.15	
1349.78	761365.40	4718493.15	1349.78	0.00	0.00	0.00	0.00	0.00	0.00	1339.49
1339.49	0.00	0.00	0.000	0.000						

1349.70	761366.02	4718494.82	1349.70	3	0.00	0.00	0.00	0.00	761366.02	4718494.82	
1339.84	0.00	0.00	0.000	0.000					0.00	0.00	1339.84
1359.38	ARA-APY-L15067003-0001	2	1					Deadend Clamp.#36.stk	Circ1	761091.71	4718646.77
1345.49	761091.71	4718646.77	1359.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1345.49
1359.38	761090.34	4718645.71	1359.38	2	0.00	0.00	0.00	0.00	0.00	761090.34	4718645.71
1345.34	0.00	0.00	0.000	0.000					0.00	0.00	1345.34
1359.37	761088.70	4718645.00	1359.37	3	0.00	0.00	0.00	0.00	0.00	761088.70	4718645.00
1345.12	0.00	0.00	0.000	0.000					0.00	0.00	1345.12
1359.10	761091.07	4718647.85	1359.10	21	1	Circuit 1	A1			761091.07	4718647.85
1345.06	1327.51	1309.35	114.956	0.074				761063.11	4718695.03	1340.17	761035.15
1359.16	761089.48	4718647.06	1359.16	2				B1		761089.48	4718647.06
1345.04	1327.34	1309.71	114.440	0.063				761061.28	4718693.94	1340.80	761033.07
1359.04	761088.01	4718646.13	1359.04	3				C1		761088.01	4718646.13
1345.02	1327.33	1309.45	114.635	0.065				761059.47	4718692.79	1340.27	761030.93
1324.98	ARA-APY-L15067003-0002	2	1					Deadend Clamp.#37.stk	Circ1	761035.15	4718742.22
1309.35	761035.15	4718742.22	1324.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1309.35
1325.88	761033.07	4718740.83	1325.88	2	0.00	0.00	0.00	0.00	0.00	761033.07	4718740.83
1309.71	0.00	0.00	0.000	0.000					0.00	0.00	1309.71
1324.99	761030.93	4718739.45	1324.99	3	0.00	0.00	0.00	0.00	0.00	761030.93	4718739.45
1309.45	0.00	0.00	0.000	0.000					0.00	0.00	1309.45
1324.92	761034.78	4718742.80	1324.92	21	1	Circuit 1	A1			761034.78	4718742.80
1309.29	1281.09	1268.36	166.463	0.237				760992.93	4718811.44	1299.83	760951.08
1325.82	761032.60	4718741.53	1325.82	2				B1		761032.60	4718741.53
1309.51	1281.01	1268.94	166.686	0.257				760990.98	4718810.28	1300.08	760949.35
1324.92	761030.53	4718740.14	1324.92	3				C1		761030.53	4718740.14
1309.41	1281.11	1269.52	166.735	0.243				760989.04	4718809.13	1299.71	760947.55
1282.68	ARA-APY-L15067003-0003	2	1	Circuit 1	A1	Susp Clamp.#38.stk	Circ1	760951.08	4718880.07		
	760951.08	4718880.07	1282.68	760918.52	4718934.29	1269.02	760885.96	4718988.52	1260.27		1268.36

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1209.07	760742.84	4719115.64	1209.07	0.00	0.00	0.00	0.00	0.00	0.00	1194.03
1194.03	0.00	0.00	0.000	0.000						
		21	1 Circuit 1	A1				760743.72	4719119.70	
1208.85	760743.72	4719119.70	1208.85	760696.53	4719140.71	1194.07	760649.34	4719161.72	1184.43	1195.38
1195.38	1180.15	1171.47	106.308	0.158						
		2		B1				760742.70	4719117.98	
1208.85	760742.70	4719117.98	1208.85	760695.55	4719138.95	1194.02	760648.40	4719159.92	1184.38	1194.89
1194.89	1179.55	1171.07	106.229	0.160						
		3		C1				760741.66	4719116.26	
1208.83	760741.66	4719116.26	1208.83	760694.59	4719137.19	1194.04	760647.53	4719158.13	1184.40	1193.82
1193.82	1178.21	1170.24	106.037	0.158						
	ARA-APY-L15067003-0007	2	1 Circuit 1	A1	Susp Clamp.#42.stk		Circ1	760649.34	4719161.72	
1184.43	760649.34	4719161.72	1184.43	760612.50	4719178.05	1169.81	760575.65	4719194.38	1158.23	1171.47
1171.47	1159.45	1145.68	84.824	0.066						
		2		B1				760648.40	4719159.92	
1184.38	760648.40	4719159.92	1184.38	760611.63	4719176.24	1169.74	760574.85	4719192.55	1158.20	1171.07
1171.07	1158.45	1144.79	84.680	0.069						
		3		C1				760647.53	4719158.13	
1184.40	760647.53	4719158.13	1184.40	760610.80	4719174.41	1169.74	760574.06	4719190.68	1158.17	1170.24
1170.24	1157.44	1143.70	84.592	0.068						
	ARA-APY-L15067003-0008	2	1 Circuit 1	A1	Susp Clamp.#43.stk		Circ1	760575.65	4719194.38	
1158.23	760575.65	4719194.38	1158.23	760514.56	4719221.76	1146.07	760460.11	4719246.16	1142.62	1145.68
1145.68	1131.29	1130.09	135.168	0.374						
		2		B1				760574.86	4719192.55	
1158.20	760574.86	4719192.55	1158.20	760513.63	4719219.99	1145.99	760460.11	4719243.98	1142.61	1144.79
1144.79	1129.26	1128.75	135.464	0.386						
		3		C1				760574.07	4719190.68	
1158.17	760574.07	4719190.68	1158.17	760512.77	4719218.16	1146.02	760458.85	4719242.35	1142.63	1143.70
1143.70	1127.89	1127.86	135.612	0.378						
	ARA-APY-L15067003-0009	2	1 Circuit 1	A1	Susp Clamp.#44.stk		Circ1	760453.47	4719249.14	
1142.67	760453.47	4719249.14	1142.67	760422.90	4719262.74	1136.34	760392.32	4719276.34	1131.92	1130.41
1130.41	1125.20	1120.60	67.812	0.035						
		2		B1				760452.41	4719247.43	
1142.68	760452.41	4719247.43	1142.68	760421.92	4719260.99	1136.25	760391.43	4719274.55	1131.93	1129.39
1129.39	1124.42	1120.34	67.634	0.043						
		3		C1				760451.48	4719245.65	
1142.69	760451.48	4719245.65	1142.69	760421.00	4719259.20	1136.24	760390.51	4719272.75	1131.97	1128.25
1128.25	1122.62	1119.65	67.624	0.045						
	ARA-APY-L15067003-0010	2	1 Circuit 1	A1	Susp Clamp.#45.stk		Circ1	760392.33	4719276.34	
1131.92	760392.33	4719276.34	1131.92	760369.52	4719286.60	1125.93	760346.71	4719296.87	1121.03	1120.60





Circuit				Circuit				Circuit			
Line	Count	Wire	Count	Line	Count	Wire	Count	Line	Count	Wire	Count
1	1	LA 56.wir	25	1	1	CORTA_TELL	2	1	1	ARA-APY-L15067001-0001	
2	1	No	No	1	0	Circuit	1	A1	No		
	1	LA 56.wir	25		0	CORTA_TELL	2	2		ARA-APY-L15067001-0001	
2	2	No	No	2	0	Circuit	1	B1	No		
	1	LA 56.wir	25		0	CORTA_TELL	2	3		ARA-APY-L15067001-0001	
2	3	No	No	3	0	Circuit	1	C1	No		
	2	LA 56.wir	25		ARA-APY-L15067001-0016	3	1		ARA-APY-L15067001-0016_NUEVO_1		
2	1	No	No	1	0	Circuit	1	A1	No		
	2	LA 56.wir	25		ARA-APY-L15067001-0016	3	2		ARA-APY-L15067001-0016_NUEVO_1		
2	2	No	No	2	0	Circuit	1	B1	No		
	2	LA 56.wir	25		ARA-APY-L15067001-0016	3	3		ARA-APY-L15067001-0016_NUEVO_1		
2	3	No	No	3	0	Circuit	1	C1	No		
	3	LA 56.wir	25		ARA-APY-L15067001-0030	3	1		ARA-APY-L15067003-0001		
2	1	No	No	1	0	Circuit	1	A1	No		
	3	LA 56.wir	25		ARA-APY-L15067001-0030	3	2		ARA-APY-L15067003-0001		
2	2	No	No	2	0	Circuit	1	B1	No		
	3	LA 56.wir	25		ARA-APY-L15067001-0030	3	3		ARA-APY-L15067003-0001		
2	3	No	No	3	0	Circuit	1	C1	No		
	4	LA 56.wir	25		ARA-APY-L15067001-0001	21	1		ARA-APY-L15067001-0004		
2	1	No	No	1	0	Circuit	1	A1	No		
	4	LA 56.wir	25		ARA-APY-L15067001-0001	21	2		ARA-APY-L15067001-0004		
2	2	No	No	2	0	Circuit	1	B1	No		
	4	LA 56.wir	25		ARA-APY-L15067001-0001	21	3		ARA-APY-L15067001-0004		
2	3	No	No	3	0	Circuit	1	C1	No		
	5	LA 56.wir	25		ARA-APY-L15067001-0004	21	1		ARA-APY-L15067001-0005		
2	1	No	No	1	0	Circuit	1	A1	No		
	5	LA 56.wir	25		ARA-APY-L15067001-0004	21	2		ARA-APY-L15067001-0005		
2	2	No	No	2	0	Circuit	1	B1	No		
	5	LA 56.wir	25		ARA-APY-L15067001-0004	21	3		ARA-APY-L15067001-0005		
2	3	No	No	3	0	Circuit	1	C1	No		
	6	LA 56.wir	25		ARA-APY-L15067001-0005	21	1		ARA-APY-L15067001-0007		
2	1	No	No	1	0	Circuit	1	A1	No		
	6	LA 56.wir	25		ARA-APY-L15067001-0005	21	2		ARA-APY-L15067001-0007		
2	2	No	No	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	2	0	Circuit	1	B1	No		
	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	B1	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	B1	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	B1	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	B1	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	B1	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	B1	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	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	2	0	Circuit 1	B1	No	
	14	LA 56.wir	25	ARA-APY-L15067001-0017_NUEVO_1	21	3			ARA-APY-L15067001-0018
2	3	No	No	3	0	Circuit 1	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	B1	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	B1	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	B1	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	B1	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	B1	No	
	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	
	22	LA 56.wir	25	ARA-APY-L15067001-0030	21	1			ARA-APY-L15067001-0031
2	1	No	No	1	0	Circuit 1	A1	No	
	22	LA 56.wir	25	ARA-APY-L15067001-0030	21	2			ARA-APY-L15067001-0031

2	2	No	No	2	0	Circuit 1	B1	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	B1	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	B1	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	B1	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	B1	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	B1	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	B1	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	2	0	Circuit 1	B1	No	
	29	LA 56.wir	25	ARA-APY-L15067003-0010_NUEVO_1	21	3			ARA-APY-L15067003-0010_NUEVO_2

2 3 No No 3 0 Circuit 1 C1 No

# Section Sagging Data

Circuit Sec.		Cable		From		To		Voltage		Ruling	
-----Sagging Data-----		-----Display-----									
No.		File		Str.		Str.				Span	
Condition	Temp.	Catenary	Horiz.	Weather	Condition	Catenary					
		Name									
Constant	Tension	Case			Constant				(kV)	(m)	
(deg C)	(m)	(N)			(m)						
-----											
Circuit 1	1	LA 56.wir			CORTA_TELL	ARA-APY-L15067001-0001			25	27.7	Initial
RS 15.0	198.1	367.3	16.15	(C) _SurveyedTemp	Creep FE	158.1					
Circuit 1	2	LA 56.wir			ARA-APY-L15067001-0016	ARA-APY-L15067001-0016_NUEVO_1			25	103.6	Initial
RS 15.0	575.6	1067.2	16.15	(C) _SurveyedTemp	Creep FE	555.8					
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
RS 15.0	658.9	1221.6	16.15	(C) _SurveyedTemp	Creep FE	624.6					
Circuit 1	5	LA 56.wir			ARA-APY-L15067001-0004	ARA-APY-L15067001-0005			25	76.7	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	749.5	1389.7	16.15	(C) _SurveyedTemp	Creep FE	674.1					
Circuit 1	11	LA 56.wir			ARA-APY-L15067001-0015	ARA-APY-L15067001-0016			25	89.8	Initial
RS 15.0	805.4	1493.2	16.15	(C) _SurveyedTemp	Creep FE	716.6					
Circuit 1	12	LA 56.wir			ARA-APY-L15067001-0016	ARA-APY-L15067001-0017			25	207.1	Initial
RS 15.0	423.7	785.5	16.15	(C) _SurveyedTemp	Creep FE	417.0					
Circuit 1	13	LA 56.wir			ARA-APY-L15067001-0017	ARA-APY-L15067001-0017_NUEVO_1			25	82.9	Initial
RS 15.0	534.4	990.9	16.15	(C) _SurveyedTemp	Creep FE	485.5					
Circuit 1	14	LA 56.wir			ARA-APY-L15067001-0017_NUEVO_1	ARA-APY-L15067001-0018			25	71.3	Initial
RS 15.0	651.6	1208.1	16.15	(C) _SurveyedTemp	Creep FE	500.1					
Circuit 1	15	LA 56.wir			ARA-APY-L15067001-0018	ARA-APY-L15067001-0020			25	98.1	Initial

RS	15.0	546.3	1012.9	16.15	(C)_SurveyedTemp	Creep	FE	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	Creep	FE	529.4			
Circuit 1	17	LA 56.wir			ARA-APY-L15067001-0023			ARA-APY-L15067001-0025	25	115.9	Initial
RS	15.0	471.2	873.6	16.15	(C)_SurveyedTemp	Creep	FE	453.8			
Circuit 1	18	LA 56.wir			ARA-APY-L15067001-0025			ARA-APY-L15067001-0026	25	128.3	Initial
RS	15.0	434.4	805.5	16.15	(C)_SurveyedTemp	Creep	FE	408.3			
Circuit 1	19	LA 56.wir			ARA-APY-L15067001-0026			ARA-APY-L15067001-0027	25	228.2	Initial
RS	15.0	478.1	886.5	16.15	(C)_SurveyedTemp	Creep	FE	466.8			
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	FE	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	Creep	FE	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	Creep	FE	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	Creep	FE	461.2			
Circuit 1	24	LA 56.wir			ARA-APY-L15067001-0032			ARA-APY-L15067001-0032_NUEVO_1	25	117.4	Initial
RS	15.0	647.9	1201.3	16.15	(C)_SurveyedTemp	Creep	FE	592.9			
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	Creep	FE	714.6			
Circuit 1	26	LA 56.wir			ARA-APY-L15067003-0002			ARA-APY-L15067003-0005	25	133.1	Initial
RS	15.0	862.1	1598.4	16.15	(C)_SurveyedTemp	Creep	FE	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	Creep	FE	618.9			
Circuit 1	28	LA 56.wir			ARA-APY-L15067003-0006			ARA-APY-L15067003-0010_NUEVO_1	25	99.3	Initial
RS	15.0	540.4	1001.9	16.15	(C)_SurveyedTemp	Creep	FE	487.4			
Circuit 1	29	LA 56.wir			ARA-APY-L15067003-0010_NUEVO_1			ARA-APY-L15067003-0010_NUEVO_2	25	76.3	Initial
RS	15.0	580.2	1075.7	16.15	(C)_SurveyedTemp	Creep	FE	507.1			

#### Section Stringing Data

Section Number	Cable Name	Struct. Number	Set 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-L15067001-0030	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	2	123	Circl
	ARA-APY-L15067001-0004	2	123	Circl
5 LA 56.wir	ARA-APY-L15067001-0004	21	123	Circl
	ARA-APY-L15067001-0005	2	123	Circl
6 LA 56.wir	ARA-APY-L15067001-0005	21	123	Circl
	ARA-APY-L15067001-0006	2	123	Circl
	ARA-APY-L15067001-0007	2	123	Circl
7 LA 56.wir	ARA-APY-L15067001-0007	21	123	Circl
	ARA-APY-L15067001-0008	2	123	Circl
8 LA 56.wir	ARA-APY-L15067001-0008	21	123	Circl
	ARA-APY-L15067001-0009	2	123	Circl
	ARA-APY-L15067001-0010	2	123	Circl
9 LA 56.wir	ARA-APY-L15067001-0010	21	123	Circl
	ARA-APY-L15067001-0011	2	123	Circl
	ARA-APY-L15067001-0012	2	123	Circl
	ARA-APY-L15067001-0013	2	123	Circl
	ARA-APY-L15067001-0014	2	123	Circl
10 LA 56.wir	ARA-APY-L15067001-0014	21	123	Circl
	ARA-APY-L15067001-0015	2	123	Circl
11 LA 56.wir	ARA-APY-L15067001-0015	21	123	Circl
	ARA-APY-L15067001-0016	2	123	Circl
12 LA 56.wir	ARA-APY-L15067001-0016	21	123	Circl
	ARA-APY-L15067001-0017	2	123	Circl
13 LA 56.wir	ARA-APY-L15067001-0017	21	123	Circl
	ARA-APY-L15067001-0017_NUEVO_1	2	123	Circl
14 LA 56.wir	ARA-APY-L15067001-0017_NUEVO_1	21	123	Circl
	ARA-APY-L15067001-0018	2	123	Circl
15 LA 56.wir	ARA-APY-L15067001-0018	21	123	Circl
	ARA-APY-L15067001-0019	2	123	Circl
	ARA-APY-L15067001-0020	2	123	Circl
16 LA 56.wir	ARA-APY-L15067001-0020	21	123	Circl
	ARA-APY-L15067001-0021	2	123	Circl
	ARA-APY-L15067001-0022	2	123	Circl
	ARA-APY-L15067001-0023	2	123	Circl
17 LA 56.wir	ARA-APY-L15067001-0023	21	123	Circl
	ARA-APY-L15067001-0024	2	123	Circl
	ARA-APY-L15067001-0025	2	123	Circl
18 LA 56.wir	ARA-APY-L15067001-0025	21	123	Circl
	ARA-APY-L15067001-0026	2	123	Circl
19 LA 56.wir	ARA-APY-L15067001-0026	21	123	Circl
	ARA-APY-L15067001-0027	2	123	Circl
20 LA 56.wir	ARA-APY-L15067001-0027	21	123	Circl
	ARA-APY-L15067001-0028	2	123	Circl
21 LA 56.wir	ARA-APY-L15067001-0028	21	123	Circl



	ARA-APY-L15067001-0030	2	123	Circl
22 LA 56.wir	ARA-APY-L15067001-0030	21	123	Circl
	ARA-APY-L15067001-0031	2	123	Circl
23 LA 56.wir	ARA-APY-L15067001-0031	21	123	Circl
	ARA-APY-L15067001-0032	2	123	Circl
24 LA 56.wir	ARA-APY-L15067001-0032	21	123	Circl
	ARA-APY-L15067001-0032_NUEVO_1	2	123	Circl
25 LA 56.wir	ARA-APY-L15067003-0001	21	123	Circl
	ARA-APY-L15067003-0002	2	123	Circl
26 LA 56.wir	ARA-APY-L15067003-0002	21	123	Circl
	ARA-APY-L15067003-0003	2	123	Circl
	ARA-APY-L15067003-0004	2	123	Circl
	ARA-APY-L15067003-0005	2	123	Circl
27 LA 56.wir	ARA-APY-L15067003-0005	21	123	Circl
	ARA-APY-L15067003-0006	2	123	Circl
28 LA 56.wir	ARA-APY-L15067003-0006	21	123	Circl
	ARA-APY-L15067003-0007	2	123	Circl
	ARA-APY-L15067003-0008	2	123	Circl
	ARA-APY-L15067003-0009	2	123	Circl
	ARA-APY-L15067003-0010	2	123	Circl
	ARA-APY-L15067003-0010_NUEVO_1	2	123	Circl
29 LA 56.wir	ARA-APY-L15067003-0010_NUEVO_1	21	123	Circl
	ARA-APY-L15067003-0010_NUEVO_2	2	123	Circl

### 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.

Circuit Sec.	Cable	From	To Number	Wires	Min.
Max. Ruling	Total				
No.	File	Str.	Str.	of	Span
Span	Span		Phases	Per	
	Name			Phase	
Length					(m)
(m)	(m)	(m)			

Circuit 1	1 LA 56.wir	CORTA_TELL	ARA-APY-L15067001-0001	3	1	30.1
30.1	27.7	98.2				

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					
Circuit 1	3	LA 56.wir	ARA-APY-L15067001-0030	ARA-APY-L15067003-0001	3	1	82.7
82.7	81.4	252.1					
Circuit 1	4	LA 56.wir	ARA-APY-L15067001-0001	ARA-APY-L15067001-0004	3	1	65.9
141.9	110.1	888.3					
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					
Circuit 1	10	LA 56.wir	ARA-APY-L15067001-0014	ARA-APY-L15067001-0015	3	1	139.3
139.3	138.1	422.2					
Circuit 1	11	LA 56.wir	ARA-APY-L15067001-0015	ARA-APY-L15067001-0016	3	1	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					
Circuit 1	13	LA 56.wir	ARA-APY-L15067001-0017	ARA-APY-L15067001-0017_NUEVO_1	3	1	88.7
88.7	82.9	284.7					
Circuit 1	14	LA 56.wir	ARA-APY-L15067001-0017_NUEVO_1	ARA-APY-L15067001-0018	3	1	77.4
77.4	71.3	252.0					
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					
Circuit 1	21	LA 56.wir	ARA-APY-L15067001-0028	ARA-APY-L15067001-0030	3	1	88.5
88.5	87.7	268.0					
Circuit 1	22	LA 56.wir	ARA-APY-L15067001-0030	ARA-APY-L15067001-0031	3	1	73.3
73.3	73.2	220.2					
Circuit 1	23	LA 56.wir	ARA-APY-L15067001-0031	ARA-APY-L15067001-0032	3	1	49.1
49.1	47.5	152.5					

Circuit 1	24	LA 56.wir	ARA-APY-L15067001-0032	ARA-APY-L15067001-0032_NUEVO_1	3	1	118.6
118.6	117.4	359.9					
Circuit 1	25	LA 56.wir	ARA-APY-L15067003-0001	ARA-APY-L15067003-0002	3	1	109.5
109.5	104.6	344.1					
Circuit 1	26	LA 56.wir	ARA-APY-L15067003-0002	ARA-APY-L15067003-0005	3	1	103.8
160.8	133.1	1205.0					
Circuit 1	27	LA 56.wir	ARA-APY-L15067003-0005	ARA-APY-L15067003-0006	3	1	94.7
94.7	90.9	296.3					
Circuit 1	28	LA 56.wir	ARA-APY-L15067003-0006	ARA-APY-L15067003-0010_NUEVO_1	3	1	49.8
134.1	99.3	1335.2					
Circuit 1	29	LA 56.wir	ARA-APY-L15067003-0010_NUEVO_1	ARA-APY-L15067003-0010_NUEVO_2	3	1	76.5
76.5	76.3	230.6					

### 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. Cable				-----From-----			-----To-----		
Cable Unstressed			Length						
		No.	Name	Struct. Set Phase			Struct. Set Phase		
Condition		Length Adjustment							
		(m)	(m)						
-----									
Circuit 1	A1	1	LA 56	CORTA_TELL	2	1	ARA-APY-L15067001-0001	2	1
Initial	31.286		0.014						
Circuit 1	B1			CORTA_TELL	2	2	ARA-APY-L15067001-0001	2	2
Initial	32.581		0.000						
Circuit 1	C1			CORTA_TELL	2	3	ARA-APY-L15067001-0001	2	3
Initial	34.229		-0.013						
Circuit 1	A1	2	LA 56	ARA-APY-L15067001-0016	3	1	ARA-APY-L15067001-0016_NUEVO_1	2	1
Initial	104.271		-0.025						
Circuit 1	B1			ARA-APY-L15067001-0016	3	2	ARA-APY-L15067001-0016_NUEVO_1	2	2
Initial	103.871		-0.036						
Circuit 1	C1			ARA-APY-L15067001-0016	3	3	ARA-APY-L15067001-0016_NUEVO_1	2	3
Initial	103.974		-0.033						
Circuit 1	A1	3	LA 56	ARA-APY-L15067001-0030	3	1	ARA-APY-L15067003-0001	2	1
Initial	84.369		-0.017						
Circuit 1	B1			ARA-APY-L15067001-0030	3	2	ARA-APY-L15067003-0001	2	2
Initial	83.475		-0.002						
Circuit 1	C1			ARA-APY-L15067001-0030	3	3	ARA-APY-L15067003-0001	2	3

Initial	84.028	0.009							
Circuit 1	A1	4	LA 56	ARA-APY-L15067001-0001	21	1	ARA-APY-L15067001-0002	2	1
Initial	83.964	-0.020							
Circuit 1	B1			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							
Circuit 1	A1			ARA-APY-L15067001-0002	2	1	ARA-APY-L15067001-0003	2	1
Initial	143.522	-0.043							
Circuit 1	B1			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							
Circuit 1	B1			ARA-APY-L15067001-0003	2	2	ARA-APY-L15067001-0004	2	2
Initial	67.250	-0.021							
Circuit 1	C1			ARA-APY-L15067001-0003	2	3	ARA-APY-L15067001-0004	2	3
Initial	67.012	-0.021							
Circuit 1	A1	5	LA 56	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							
Circuit 1	B1			ARA-APY-L15067001-0005	21	2	ARA-APY-L15067001-0006	2	2
Initial	87.639	0.011							
Circuit 1	C1			ARA-APY-L15067001-0005	21	3	ARA-APY-L15067001-0006	2	3
Initial	87.490	0.005							
Circuit 1	A1			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	LA 56	ARA-APY-L15067001-0007	21	1	ARA-APY-L15067001-0008	2	1
Initial	216.643	0.005							
Circuit 1	B1			ARA-APY-L15067001-0007	21	2	ARA-APY-L15067001-0008	2	2
Initial	215.341	0.202							
Circuit 1	C1			ARA-APY-L15067001-0007	21	3	ARA-APY-L15067001-0008	2	3
Initial	215.129	0.061							
Circuit 1	A1	8	LA 56	ARA-APY-L15067001-0008	21	1	ARA-APY-L15067001-0009	2	1

Initial	134.201	-0.009							
Circuit 1	B1		ARA-APY-L15067001-0008	21	2		ARA-APY-L15067001-0009	2	2
Initial	133.759	-0.010							
Circuit 1	C1		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							
Circuit 1	C1		ARA-APY-L15067001-0011	2	3		ARA-APY-L15067001-0012	2	3
Initial	154.336	-0.011							
Circuit 1	A1		ARA-APY-L15067001-0012	2	1		ARA-APY-L15067001-0013	2	1
Initial	190.548	-0.038							
Circuit 1	B1		ARA-APY-L15067001-0012	2	2		ARA-APY-L15067001-0013	2	2
Initial	190.552	0.000							
Circuit 1	C1		ARA-APY-L15067001-0012	2	3		ARA-APY-L15067001-0013	2	3
Initial	190.432	0.032							
Circuit 1	A1		ARA-APY-L15067001-0013	2	1		ARA-APY-L15067001-0014	2	1
Initial	160.499	-0.042							
Circuit 1	B1		ARA-APY-L15067001-0013	2	2		ARA-APY-L15067001-0014	2	2
Initial	160.723	-0.022							
Circuit 1	C1		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							
Circuit 1	A1	11	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	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								
Circuit 1	A1	17	LA 56	ARA-APY-L15067001-0023	21	1		ARA-APY-L15067001-0024	2	1
Initial	111.819	-0.012								
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								
Circuit 1	C1			ARA-APY-L15067001-0024	2	3		ARA-APY-L15067001-0025	2	3
Initial	143.711	0.027								
Circuit 1	A1	18	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								
Circuit 1	C1			ARA-APY-L15067001-0026	21	3		ARA-APY-L15067001-0027	2	3
Initial	231.197	0.137								
Circuit 1	A1	20	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								
Circuit 1	A1	21	LA 56	ARA-APY-L15067001-0028	21	1		ARA-APY-L15067001-0030	2	1
Initial	87.953	-0.003								
Circuit 1	B1			ARA-APY-L15067001-0028	21	2		ARA-APY-L15067001-0030	2	2
Initial	89.227	-0.009								
Circuit 1	C1			ARA-APY-L15067001-0028	21	3		ARA-APY-L15067001-0030	2	3
Initial	90.626	-0.029								
Circuit 1	A1	22	LA 56	ARA-APY-L15067001-0030	21	1		ARA-APY-L15067001-0031	2	1

Initial	71.951	-0.009							
Circuit 1	B1			ARA-APY-L15067001-0030	21	2		ARA-APY-L15067001-0031	2 2
Initial	73.373	-0.022							
Circuit 1	C1			ARA-APY-L15067001-0030	21	3		ARA-APY-L15067001-0031	2 3
Initial	74.670	-0.004							
Circuit 1	A1 23	LA 56		ARA-APY-L15067001-0031	21	1		ARA-APY-L15067001-0032	2 1
Initial	50.782	0.004							
Circuit 1	B1			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							
Circuit 1	A1 25	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							
Circuit 1	A1 26	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							
Circuit 1	C1			ARA-APY-L15067003-0002	21	3		ARA-APY-L15067003-0003	2 3
Initial	166.615	0.011							
Circuit 1	A1			ARA-APY-L15067003-0003	2	1		ARA-APY-L15067003-0004	2 1
Initial	128.502	0.009							
Circuit 1	B1			ARA-APY-L15067003-0003	2	2		ARA-APY-L15067003-0004	2 2
Initial	128.489	0.013							
Circuit 1	C1			ARA-APY-L15067003-0003	2	3		ARA-APY-L15067003-0004	2 3
Initial	128.320	0.011							
Circuit 1	A1			ARA-APY-L15067003-0004	2	1		ARA-APY-L15067003-0005	2 1
Initial	106.903	0.006							
Circuit 1	B1			ARA-APY-L15067003-0004	2	2		ARA-APY-L15067003-0005	2 2
Initial	106.310	-0.002							
Circuit 1	C1			ARA-APY-L15067003-0004	2	3		ARA-APY-L15067003-0005	2 3
Initial	105.775	-0.009							
Circuit 1	A1 27	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



Initial	98.681	-0.017							
Circuit 1	C1		ARA-APY-L15067003-0005	21	3		ARA-APY-L15067003-0006	2	3
Initial	98.383	-0.021							
Circuit 1	A1	28	LA 56	ARA-APY-L15067003-0006	21	1	ARA-APY-L15067003-0007	2	1
Initial	106.248	0.005							
Circuit 1	B1			ARA-APY-L15067003-0006	21	2	ARA-APY-L15067003-0007	2	2
Initial	106.166	0.008							
Circuit 1	C1			ARA-APY-L15067003-0006	21	3	ARA-APY-L15067003-0007	2	3
Initial	105.976	0.006							
Circuit 1	A1			ARA-APY-L15067003-0007	2	1	ARA-APY-L15067003-0008	2	1
Initial	84.779	-0.001							
Circuit 1	B1			ARA-APY-L15067003-0007	2	2	ARA-APY-L15067003-0008	2	2
Initial	84.627	0.007							
Circuit 1	C1			ARA-APY-L15067003-0007	2	3	ARA-APY-L15067003-0008	2	3
Initial	84.537	0.010							
Circuit 1	A1			ARA-APY-L15067003-0008	2	1	ARA-APY-L15067003-0009	2	1
Initial	135.069	0.030							
Circuit 1	B1			ARA-APY-L15067003-0008	2	2	ARA-APY-L15067003-0009	2	2
Initial	135.355	0.040							
Circuit 1	C1			ARA-APY-L15067003-0008	2	3	ARA-APY-L15067003-0009	2	3
Initial	135.515	0.028							
Circuit 1	A1			ARA-APY-L15067003-0009	2	1	ARA-APY-L15067003-0010	2	1
Initial	67.788	-0.013							
Circuit 1	B1			ARA-APY-L15067003-0009	2	2	ARA-APY-L15067003-0010	2	2
Initial	67.596	0.003							
Circuit 1	C1			ARA-APY-L15067003-0009	2	3	ARA-APY-L15067003-0010	2	3
Initial	67.585	0.005							
Circuit 1	A1			ARA-APY-L15067003-0010	2	1	ARA-APY-L15067003-0010_NUEVO_1	2	1
Initial	51.178	0.001							
Circuit 1	B1			ARA-APY-L15067003-0010	2	2	ARA-APY-L15067003-0010_NUEVO_1	2	2
Initial	50.449	-0.004							
Circuit 1	C1			ARA-APY-L15067003-0010	2	3	ARA-APY-L15067003-0010_NUEVO_1	2	3
Initial	51.169	0.003							
Circuit 1	A1	29	LA 56	ARA-APY-L15067003-0010_NUEVO_1	21	1	ARA-APY-L15067003-0010_NUEVO_2	2	1
Initial	77.316	-0.001							
Circuit 1	B1			ARA-APY-L15067003-0010_NUEVO_1	21	2	ARA-APY-L15067003-0010_NUEVO_2	2	2
Initial	76.413	-0.020							
Circuit 1	C1			ARA-APY-L15067003-0010_NUEVO_1	21	3	ARA-APY-L15067003-0010_NUEVO_2	2	3
Initial	76.653	0.019							

## Structure Material List Report

Structure File Name

Number

Number

	in Selected Line	in All 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.#11.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#15.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#16.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#17.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#18.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#19.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#2.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#20.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#22.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#25.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#27.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#28.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#29.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#30.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#31.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#32.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#33.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#34.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#35.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#36.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#37.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#40.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#41.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#46.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#47.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#5.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#6.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#8.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.#9.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Deadend Clamp.stk	0	0
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#10.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#12.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#13.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#14.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#21.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#23.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#24.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#26.stk	1	1
E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Structures\Susp Clamp.#3.stk	1	1

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 File Name	Number Of Sections	Cable Length At Stringing Condition (m)
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E:\PLS CADD_Aero_Laser\13892_CORTA_TELL\Cables\LA 56	29	15956