

VOLTAGE DROP CALCULATIONS

County-Route-Section: LOR-20-2.05 No. of Wires for Calculation Purposes: 2
 Power Service: "S" Circuit: A
 Supply Voltage: 120/240 3-wire
 Wire Resistance Used: No. 4 AWG. 0.310
 No. AWG.

Voltage: 240	Wire Factor Used (Two - No. 4 AWG Wires):	0.62 ohms/mft/1000	Circuit: 'A'
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Section			Amperes		Ampere-Feet	AWG	Voltage Drop		% Drop	At Point
From	To	Design Feet	At Point	Accum.			In Section	Accum.		
SA-1	PB-1	21	0.51	0.51	11	4	0.01	0.02	0.01	SA-1
SA-4	PB-3	130	0.51	0.51	66	4	0.04	0.25	0.10	SA-4
SA-3	PB-3	12	0.51	0.51	6	4	0.00	0.21	0.09	SA-3
PB-3	PB-2	149	0.00	1.02	152	4	0.09	0.21	0.09	PB-3
SA-2	PB-2	8	0.51	0.51	4	4	0.00	0.11	0.05	SA-2
PB-2	PB-1	103	0.00	1.53	158	4	0.10	0.11	0.05	PB-2
PB-1	PS-1	10	0.00	2.04	20	4	0.01	0.01	0.01	PB-1

VOLTAGE DROP CALCULATIONS

County-Route-Section: LOR-20-2.05 No. of Wires for Calculation Purposes: 2
 Power Service: "S" Circuit: B
 Supply Voltage: 120/240 3-wire
 Wire Resistance Used: No. 4 AWG. 0.310
 No. AWG.

Voltage: 240	Wire Factor Used (Two - No. 4 AWG Wires):	0.62	ohms/mft/1000	Circuit: 'B'
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Section			Amperes		Ampere-Feet	AWG	Voltage Drop		% Drop	At Point
From	To	Design Feet	At Point	Accum.			In Section	Accum.		
SB-2	PB-5	130	0.51	0.51	66	4	0.04	0.63	0.26	SB-2
SB-4	SB-3	139	0.51	0.51	71	4	0.04	0.74	0.31	SB-4
SB-3	PB-6	102	0.51	1.02	104	4	0.06	0.69	0.29	SB-3
PB-6	PB-5	63	0.00	1.02	64	4	0.04	0.63	0.26	PB-6
PB-5	SB-1	7	0.00	1.53	11	4	0.01	0.59	0.24	PB-5
SB-1	PB-4	140	0.51	2.04	286	4	0.18	0.58	0.24	SB-1
PB-4	PB-3	57	0.00	2.04	116	4	0.07	0.40	0.17	PB-4
PB-3	PB-2	149	0.00	2.04	304	4	0.19	0.33	0.14	PB-3
PB-2	PB-1	103	0.00	2.04	210	4	0.13	0.14	0.06	PB-2
PB-1	PS-1	10	0.00	2.04	20	4	0.01	0.01	0.01	PB-1