



**Premises:**  
 Salvation Army  
 88 Preble Street  
 Portland, ME 04101

**Prepared By:**  
 Greg Gladstone  
 Tyco Integrated Security  
 20 Thomas Drive  
 Westbrook, ME 04092  
 207-842-6438

**Circuit:**  
 Class B @ 14 AWG  
 Unfiltered (FWR) 24-volt Supply (2.5 amp circuit)  
 Starting Voltage = 20.4

**Notes:**  
 BASEMENT/FIRST FLOOR

Type and Model	Candela	Current	Next	Total	14
Wall Horn/Strobe (2 Wire) P2R	75	0.16	50	50	20.00
Wall Horn/Strobe (2 Wire) P2R	75	0.16	50	100	19.64
Wall Horn/Strobe (2 Wire) P2R	75	0.16	10	110	19.58
Wall Strobe SR	15	0.071	10	120	19.53
Wall Strobe SR	15	0.071	10	130	19.49
Ceiling Horn/Strobe PC2475	75	0.241	40	170	19.33
Ceiling Horn/Strobe PC2475	75	0.241	40	210	19.22
Wall Horn/Strobe (2 Wire) P2R	75	0.16	25	235	19.20
<b>Total current/amps 1.264</b>			<b>vdc loss</b>		<b>1.20</b>



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**Notes:**  
 SECOND FLOOR

Type and Model	Candela	Current	Next	Total	14
Wall Horn/Strobe (2 Wire) P2R	75	0.16	50	50	20.07
Wall Horn/Strobe (2 Wire) P2R	75	0.16	50	100	19.79
Wall Horn HR		0.069	20	120	19.70
Wall Horn HR		0.069	20	140	19.62
Wall Horn HR		0.069	20	160	19.54
Wall Horn HR		0.069	20	180	19.48
Wall Horn HR		0.069	20	200	19.42
Wall Horn HR		0.069	20	220	19.38
Wall Horn HR		0.069	20	240	19.34
Wall Strobe SR	15	0.071	25	265	19.30
Wall Horn/Strobe (2 Wire) P2R	75	0.16	25	290	19.28
<b>Total current/amps 1.034</b>				<b>vdc loss</b>	<b>1.12</b>



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**Notes:**

THIRD FLOOR

Type and Model	Candela	Current	Next	Total	14
Wall Horn HR		0.069	20	20	20.24
Wall Horn HR		0.069	20	40	20.08
Wall Horn HR		0.069	20	60	19.93
Wall Strobe SR	15	0.071	15	75	19.83
Wall Horn/Strobe (2 Wire) P2R	75	0.16	15	90	19.73
Wall Horn HR		0.069	20	110	19.62
Wall Horn HR		0.069	20	130	19.53
Wall Horn HR		0.069	20	150	19.43
Wall Horn HR		0.069	20	170	19.35
Wall Horn HR		0.069	20	190	19.28
Wall Horn HR		0.069	20	210	19.21
Wall Horn/Strobe (2 Wire) P2R	75	0.16	25	235	19.15
Wall Horn HR		0.069	20	255	19.11
Wall Horn HR		0.069	20	275	19.08
Wall Horn HR		0.069	20	295	19.07
Wall Horn HR		0.069	20	315	19.06
<b>Total current/amps 1.288</b>				<b>vdc loss</b>	<b>1.34</b>