Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 02/17/16

NOTIFICATION APPLIANCE CIRCUIT VOLTAGE DROPS								
89 Anderson Street								
Portland, Maine								
PANEL	**CIRCUIT**	**WIRE GAUGE**	**LENGTH**	**CURRENT DRAW**	**VOLTAGE DROP**	**VOLTAGE LOSS**	**EN VOLT**	
FCPS	NAC 1	14	240 FT	.830A	1.01VDC	4.21%	22.99	
FCPS	NAC 2	14	180 FT	.424A	.39VDC	1.63%	23.61VDC	14%
FCPS	NAC 3	14	323 FT	.232A	.38VDC	1.58%	23.62VDC	8%
FCPS	NAC 4	14	484 FT	1.308A	3.20VDC	13.33%	20.8VDC	44%
FCPS #1: 2.794A/8A Spare Capacity: 65%								
FCPS	NAC 1	14	395 FT	.747A	1.49VDC	6.21%	22.51VDC	25%
FCPS	NAC 2	14	440 FT	.520A	1.16VDC	4.83%	22.84VDC	17%
FCPS	NAC 3	14	470 FT	.520A	1.23VDC	5.13%	22.77VDC	17%
FCPS	NAC 4	14	410 FT	.747A	1.55VDC	6.46%	22.45VDC	25%
FCPS #2: 2.534A/8A Spare Capacity: 68%								
Calculated @ Maximum Distance/Current								