Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 02/09/16

NOTIFICATION APPLIANCE CIRCUIT VOLTAGE DROPS								
Park Danforth								
Portland, Maine								
PANEL	**CIRCUIT**	**WIRE GAUGE**	**LENGTH**	**CURRENT DRAW**	**VOLTAGE DROP**	**VOLTAGE LOSS**	**EN VOLT**	
FCPS #1	NAC 1	14	290 FT	1.437A	2.10VDC	8.75%	21.9V	
FCPS #1	NAC 2	14	330 FT	.597A	1.0VDC	4.17%	23.0VDC	20%
FCPS #1: 2.034A/8A Spare Capacity: 74%								
FCPS #2	NAC 1	14	200 FT	1.339A	1.35VDC	5.63%	22.65VDC	45%
FCPS #2	NAC 2	14	190 FT	1.422A	1.36VDC	5.67%	22.64VDC	47%
FCPS #2	NAC 3	14	215 FT	1.701A	1.85VDC	7.71%	22.15VDC	57%
FCPS #2	NAC 4	14	415 FT	1.506A	3.16VDC	13.17%	20.84VDC	50%
FCPS #2: 5.968A/8A Spare Capacity: 25%								
FCPS #3	NAC 1	14	140 FT	.519A	.037VDC	1.54%	23.63VDC	17%
FCPS #3	NAC 2	14	260 FT	1.513A	1.99VDC	8.29%	22.01VDC	50%
FCPS #3	NAC 3	14	155 FT	.519A	.41VDC	1.71%	23.59VDC	17%
FCPS #3	NAC 4	14	195 FT	.810A	.80VDC	3.33%	23.2VDC	27%
FCPS #3: 3.361A/8A Spare Capacity: 58%								
FCPS #4	NAC 1	14	160 FT	.933A	.75VDC	3.13%	23.25VDC	31%
FCPS #4	NAC 2	14	220 FT	1.513A	1.68VDC	7.00%	22.32VDC	50%
FCPS #4	NAC 3	14	190 FT	.711A	.68VDC	2.83%	23.32VDC	28%
FCPS #4	NAC 4	14	170 FT	.758A	.65VDC	2.71%	23.35VDC	25%
FCPS #4: 3.915A/8A Spare Capacity: 51%								
Calculated @ Maximum Distance/Current								