

## Table of Contents

<b>Executive Summary</b> .....	<b>4</b>
<b>Introduction   Background   Building Overview</b> .....	<b>5</b>
<b>Lighting Depth</b> .....	<b>10</b>
Lobby .....	11
Auditorium .....	27
Café .....	44
Courtyard .....	60
<b>Electrical Depth</b>	
Electrical Coordination of Lighting Design .....	73
Energy Efficient Transformer Study .....	98
Central Transformer Study .....	102
Short Circuit Analysis .....	118
Overcurrent Coordination Study .....	120
<b>Mechanical Breadth</b> .....	<b>123</b>
<b>Acoustical Breadth</b> .....	<b>130</b>
<b>Summary   Conclusions</b> .....	<b>134</b>
<b>References</b> .....	<b>136</b>
<b>Acknowledgements</b> .....	<b>137</b>
<b>Appendices</b>	
Appendix A .....	138
Appendix B .....	185
Appendix C .....	192