## Table of Contents

<b>~</b>	_xecutive Summary	3
✓	Building Background & Introduction	4
✓	Building Statistics	5
✓	Existing Mechanical System Description	8
✓	Existing Mechanical System Operation	14
✓	Proposed Redesign	21
✓	Mechanical System Redesign	24
✓	Occupancy Sensor Lighting Breadth Study	40
✓	Structural Breadth & Energy Recovery Systems Study	42
✓	Acknowledgements	45
✓	References	46
✓	Appendix A - Runaround Loop Component Information	47
✓	Appendix B - DCV System Information/Calculations	58
✓	Appendix C - Occupancy Sensor Lighting Control Calculations	68