

Table of Contents

<i>CV & Resume</i>	ii
<i>Project Overview</i>	iii
<i>Table of Contents</i>	iv
CHAPTER 1 - INTRODUCTION	1
1.1 Background	1
1.2 Research Questions	1
1.3 Aims and Objectives	4
CHAPTER 2 - THEORETICAL FRAMEWORK	7
2.1 Urban Farming	7
2.1.1 Urban Farming Definition	7
2.1.2. Stakeholders & Process	7
2.1.3 Urban Farming Menhods	9
2.1.4. Design Guidelines	11
2.2 Community Center	15
2.2.1. Community Centers as Public Spaces	15
2.2.2 Design Guidelines	16
2.2.3 Community Center Programs	17
2.3. Wellbeing	21
2.3.1 Types of Wellbeing	21
2.3.2 Wellbeing Integration	22
CHAPTER 3 - PRECEDENT STUDY	25
3.1 Sunqiao Project Overview	25
3.2 Sunqiao Architectural Analysis	30
CHAPTER 4 - DESIGN EXPLORATION & DEVELOPMENT	37
4.1 Site Alternatives & Selection	38
4.2 Selected Site Analysis	39
4.3 Design Iterations	47
4.4 Massing Development & Site Transformation	49
CHAPTER 5 - DESIGN OUTCOME	59
INTEGRATIVE DESIGN OF URBAN FARMING AS PUBLIC SPACE AND COMMUNITY HUB	59
5.1 Site Planning and Zoning	61
5.2 Form and Massing Strategy	78
5.3 Spatial Orgranization and Layout	82
5.4 Implementation of Central Voids as Living, Breathing Spaces	87
5.5 Adaptive Facade Strategies	90
5.6 Urban Farming, Community Center, & Commercial Design Outcome	91
<i>Conclusion</i>	97
<i>Acknowledgement &Publication</i>	98
<i>Bibliography</i>	99