

| TITLE       | NAME                         | TITLE       | NAME                        |
|-------------|------------------------------|-------------|-----------------------------|
| Figure 2-1  | Ecorium view                 | Figure 4-8  | Design sketch               |
| Figure 2-2  | Ecorium Site plan            | Figure 4-9  | site plan                   |
| Figure 2-3  | Ecorium Ground floor plan    | Figure 4-10 | ground floor plan           |
| Figure 2-4  | Ecorium Ground floor plan    | Figure 4-11 | floor plans                 |
| Figure 2-5  | Ecorium Elevation            | Figure 4-12 | section A-A                 |
| Figure 2-6  | Ecorium Section              | Figure 4-13 | section B-B                 |
| Figure 2-7  | Gardens by the bay view      | Figure 4-14 | north elevation             |
| Figure 2-8  | Gardens by the bay concept   | Figure 4-15 | south elevation             |
| Figure 2-9  | Gardens by the bay Site      | Figure 5-1  | STRUCTURE PLAN              |
| Figure 2-10 | Indoor waterfall             | Figure 5-2  | DETAIL ONE                  |
| Figure 2-11 | flower                       | Figure 5-3  | DETAIL TWO                  |
| Figure 2-12 | Deployable shades            | Figure 5-4  | DETAIL THREE                |
| Figure 2-13 | Gardens by the bay Section A | FIGURE 5-5  | STRUCTURE SYSTEM DETAIL A   |
| Figure 2-14 | Gardens by the bay Section B | FIGURE 5-6  | STRUCTURE SYSTEM DETAIL B   |
| FIGURE 3-1  | Solar Radiation              | FIGURE 5-7  | STRUCTURE SYSTEM DETAIL C   |
| FIGURE 3-2  | Optimum Orientation          | FIGURE 5-8  | CONFRENCE HALL PART SECTION |
| FIGURE 3-3  | WIND ROSE                    | FIGURE 5-9  | CONFRENCE HALL PART PLAN    |
| FIGURE 3-4  | PRPOSAL SITES LOCATION       | FIGURE 5-10 | GREEN HOUSE PART PLAN       |
| FIGURE 3-5  | SITE LOCATION A              | FIGURE 5-11 | GREEN HOUSE PART SECTION    |
| FIGURE 3-6  | SITE LOCATION B              | FIGURE 5-12 | DRAINAGE SYSTEM             |
| FIGURE 3-7  | GENARAL SITE LOCATION        | FIGURE 5-13 | WATER& Electricity System   |
| FIGURE 3-8  | CHOSEN SITE LOCATION         | FIGURE 5-14 | Site eco System Section     |
| FIGURE 3-9  | Neighborhoods Location       | FIGURE 5-15 | Biomass Boiler              |
| FIGURE 3-10 | VIEWS                        | FIGURE 5-16 | Filter Ponds                |
| FIGURE 3-11 | INFRA STRUCTURE              | FIGURE 5-17 | Super Trees                 |
| FIGURE 3-12 | WATER STUDIES                | FIGURE 3-18 | Super Tree plan             |
| FIGURE 3-13 | Wind Movement                | FIGURE 3-19 | Super Tree elevation        |

|             |                          |             |   |
|-------------|--------------------------|-------------|---|
| FIGURE 3-14 | GENERAL CLIMATE          | FIGURE 3-20 | Super Tree section                      |
| FIGURE 3-15 | Average Temperatures     | FIGURE 3-21 | Smart Glass                             |
| FIGURE 3-16 | Rainfall                 | FIGURE 3-22 | Evaporative Cooling Pads A              |
| FIGURE 3-17 | Spaces Block Zoning      | FIGURE 3-23 | Evaporative Cooling Pads B              |
| FIGURE 4-1  | actives                  | FIGURE 3-24 | Fog and Mist System                     |
| FIGURE 4-2  | Rose concept             | FIGURE 3-25 | Hydronic Radiant Floor Cooling          |
| FIGURE 4-3  | Circulation transforming | FIGURE 3-26 | Hydronic Radiant Floor Cooling Detail A |
| FIGURE 4-4  | design 3d                | FIGURE 3-27 | Hydronic Radiant Floor Cooling Detail B |
| FIGURE4-5   | Conceptual design        |             |   |
| FIGURE 4-6  | Conceptual design        |             |   |
| Figure 4-7  | develped design          |             |   |