

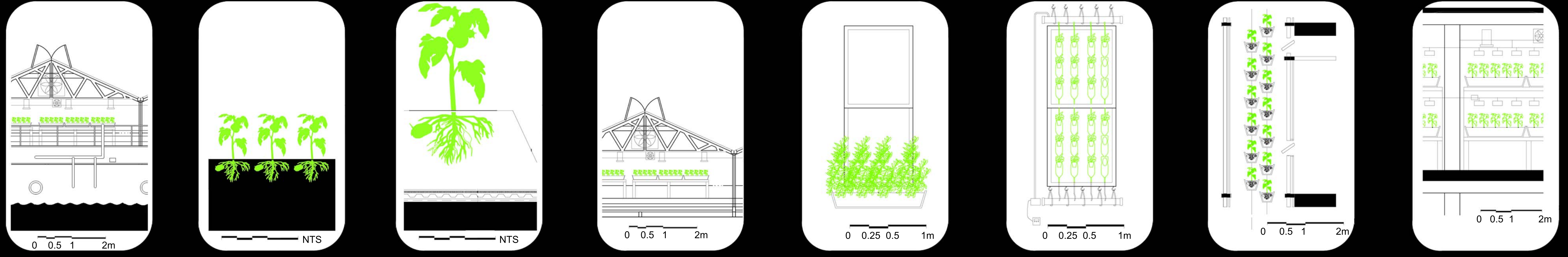
NYC BIA

NEW YORK CITY BUILDING INTEGRATED AGRICULTURE

- LEGEND**
- 1 GAL H₂O
 - 0.1 LB CO₂
 - 0.1 SQ. FT.
 - ⚡ 0.5 KWH OF ENERGY
 - 💰 US\$10/SQ. FT.
 - 📏 10LB/SQ. FT.
- *WHERE POSSIBLE 1LB OF LETTUCE HAS BEEN USED TO CALCULATE FIGURES



BUILDING INTEGRATED AGRICULTURE SYSTEM DETAILS



REQUIREMENTS TO PRODUCE 1 LB OF LETTUCE (A LOWER VALUE INDICATES GREATER INEFFICIENCY)

	SCIENCE BARGE	CONVENTIONAL AGRICULTURE	ROOFTOP FARM	ROOFTOP GREENHOUSE	WINDOW BOXES	WINDOW FARMS	VERTICALLY INTEGRATED GREENHOUSE	VERTICAL FARM
PRODUCTION REQUIREMENTS	<ul style="list-style-type: none"> 1.62 gal. 0.165 lb 0.098 sf 1.1 KWH <p>-5</p>	<ul style="list-style-type: none"> 14.4 gal. 1.1 lb 1.5 sf 2 KWH <p>-44</p>	<ul style="list-style-type: none"> 3.6 gal. none (CO₂) 1.5 sf none (KWH) <p>-19</p>	<ul style="list-style-type: none"> 1.62 gal. 0.165 lb 0.013 sf 1.1 KWH <p>-6</p>	<ul style="list-style-type: none"> 3.6 gal. 1.1 lb 1.5 sf none (KWH) <p>-19</p>	<ul style="list-style-type: none"> .54 gal. 0.000224 lb 0.013 sf 0.0015 KWH <p>-1</p>	<ul style="list-style-type: none"> 1.62 gal. 0.165 lb 0.013 sf 1.1 KWH <p>-6</p>	<ul style="list-style-type: none"> 0.13 gal. 0.174 lb 0.013 sf 11.64 KWH <p>-26</p>
CONSTRUCTION COST & DEAD LOAD	<ul style="list-style-type: none"> \$10/sf n/a (DL) <p>-1</p>	<ul style="list-style-type: none"> \$0.005/sf n/a (DL) <p>0</p>	<ul style="list-style-type: none"> \$10/sf 34 lb/sf <p>-5</p>	<ul style="list-style-type: none"> \$73/sf 95 lb/sf <p>-17</p>	<ul style="list-style-type: none"> \$60/window 34 lb/sf <p>-10</p>	<ul style="list-style-type: none"> \$30/window none (DL) <p>-3</p>	<ul style="list-style-type: none"> \$98/sf none (DL) <p>-10</p>	<ul style="list-style-type: none"> \$250/sf none <p>-25</p>