Green Walls
Featuring
One Container Growing System

Drawing List

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Exterior Grid System Standard Details
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<tr>
<th>AgroSci</th>
<th>Design</th>
<th>Specifications</th>
</tr>
</thead>
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<tr>
<td><strong>GREEN WALLS</strong></td>
<td>SYSTEM REQUIREMENTS:</td>
<td>OUTLINE SPECIFICATIONS:</td>
</tr>
<tr>
<td>Vertical Growing Technologies</td>
<td>• Water Supply for Each Zone, PSI Per Design</td>
<td>• Outline Green Wall &amp; Irrigation Specs</td>
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<tr>
<td>• Versatile</td>
<td>• Flush, Vertically Plumb Waterproof Surface</td>
<td>PROJECT SPECIFICATIONS:</td>
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<tr>
<td>• Affordable</td>
<td>• Irrigation MEP Equipment Room</td>
<td>• Project Green Wall and Irrigation Specs</td>
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<tr>
<td>• Flexible</td>
<td>• Green Wall Light Source Analysis</td>
<td>PROJECT SUBMITTALS:</td>
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<tr>
<td></td>
<td>• Provide Keyed Switch for System Power</td>
<td>• Shop Drawings, Specs &amp; Product Data</td>
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<tr>
<td>GREEN WALL LOCATION:</td>
<td>• Avoid MEP Exargs and Chemicals</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Awnings Within Green Wall Impact Vegetation</td>
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<tr>
<th>Services</th>
<th>Warrante</th>
<th>Coordination</th>
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<tr>
<td>• Custom Designs</td>
<td>STANDARD:</td>
<td>DESIGN:</td>
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<tr>
<td>• Technical Support</td>
<td>• One Year Parts and Labor</td>
<td>• Technical Support - Contact Us</td>
</tr>
<tr>
<td>• Plant Sourcing</td>
<td>EXTENDED:</td>
<td></td>
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<tr>
<td>• Onsite Consultation</td>
<td>• Multiple Options Available</td>
<td>PRODUCT LEAD TIME:</td>
</tr>
<tr>
<td>• Shop Drawings</td>
<td>• Varies per Project Design</td>
<td>• Note: Varies Based on Green Wall Size</td>
</tr>
<tr>
<td>• Installation</td>
<td></td>
<td>• 6-8 Weeks - Green Wall Components</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 12-16 Weeks - Plants and Soils</td>
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<thead>
<tr>
<th>Systems</th>
<th>Maintenance</th>
<th>Contact Us</th>
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<tr>
<td>• Interior Aerogation</td>
<td>SERVICES:</td>
<td>AgroSci, Inc.</td>
</tr>
<tr>
<td>• Exterior Grid</td>
<td>• 1-3 Year Contract Options</td>
<td>P.O. Box 299, Colchester, CT 06415</td>
</tr>
<tr>
<td>• Exterior Aerogation</td>
<td>• System &amp; Software Training</td>
<td>OFFICE: 888-502-6739</td>
</tr>
<tr>
<td>• Design Build</td>
<td>• Seasonal Start-Up</td>
<td>FAX: 888-205-0104</td>
</tr>
<tr>
<td>• Custom Designs</td>
<td>• Plant Replacement Options</td>
<td>EMAIL: <a href="mailto:info@agrosi.com">info@agrosi.com</a></td>
</tr>
<tr>
<td>• Cabinet Units</td>
<td>• AgroSci Trained and Certified Providers</td>
<td>WEBSITE: <a href="http://www.agrosi.com">www.agrosi.com</a></td>
</tr>
</tbody>
</table>
NOTE
WALL SURFACE MUST
100% COMPETE,
FLUSH AND
VERTICALLY PLUMB

GRID SYSTEM ANCHOR,
WITH TAPCON SCREW.
MIN. 3'-0" SPACING

GRID AND ANCHORS TO BE INSTALLED
USING LASER LEVELING SYSTEM.

SENSOR
COMMUNICATION
CABLE—16 AWG
TWISTED PAIR
SHIELDED 4 WIRE

MOISTURE &
TEMPERATURE SENSOR
BURIED IN CONTAINER

S.S. WIRE
GRID, NEWARK
AMS 5513
2"x4"/.105
DIA.

1300cc
PLANT
CONTAINER

¾"
POLYETHYLENE
IRRIGATION
LATERAL LINE

¾" TEES

TECH EZ
DRIPLINE WITH
EMITTERS, SEE
IRRIGATION
DWGS.

Green Wall - Exterior Grid System Partial Elevation

GS-1
SCALE: 3" = 1'-0"

EACH DESIGN IS SITE SPECIFIC
GRID SYSTEM ANCHOR, WITH TAPCON SCREW. MIN. 3'-0" SPACING

3MM ZIP TIES WITH 18lb. CAPACITY EACH CONTAINER HANGER TAB

S.S. WIRE GRID, NEWARK AMS 5513 2"x4"/.105 DIA. 4'x10' SECTIONS

5/8" S.S. #8 SELF TAPPING SCREW

TECH EZ DRIPLINE SEE IRRIGATION DWGS.

PLANT CONTAINER, 1300cc, COMPOSED OF HIGH DENSITY POLY PROPYLENE (HDP)

NOTE
WALL SURFACE AND ALL MEP WORK MUST BE 100% COMPLETE, INCLUDING WATERPROOFING, PRIOR TO START OF GREEN WALL CONSTRUCTION

EXT. WALL B.O.
NOTE: GRID MUST BE INSTALLED HORIZONTALLY LEVEL AND SQUARE.

S.S. WIRE GRID, NEWARK AMS 5513
2"x4"/.105 DIA.

GRID and ANCHORS

7" TYP. CONTAINER SPACING

CONTAINERS and IRRIGATION

1300cc CONTAINER

1" = 1'-0"

EACH DESIGN IS SITE SPECIFIC
ANCHOR: COLD FORMED STAINLESS STEEL
304 X 5MM OD

GRID SYSTEM ANCHOR, WITH TAPCON SCREW.
MIN. 3'-0" SPACING

PANEL ANCHOR, MIN. 3' O.C.

Green Wall - Exterior Grid System Grid Anchor Detail

Scale: 3" = 1'-0"

EACH DESIGN IS SITE SPECIFIC

1 GS-5

Sheet: 7 of 17
Green Wall - Exterior Grid System Container Anchor

1 GS-6

SCALE: 6" = 1'-0"

EACH DESIGN IS SITE SPECIFIC

3MM BLACK ZIPTIES WITH 18lb. CAPACITY EACH CONTAINER HANGER TAB

1300cc PLANT CONTAINER

S.S. WIRE GRID, NEWARK AMS 5513 2"x4"/.105 DIA.

WALL BY OTHERS
Green Wall - Exterior Grid System Typical Trim Detail

PLANT CONTAINER,
1300cc, COMPOSED OF
HIGH DENSITY POLY
PROPYLENE (HDP)

S.S. WIRE GRID,
NEWARK AMS 5513
2\"x4\"/.105 DIA.
4\'x10\' SECTIONS

WALL BY OTHERS

24 ga. PAINTED
(COLOR BY OWNER)
GALVANIZED
METAL TRIM, TYP.
WALL BY OTHERS

EXTEND S.S. WIRE GIRD

INTERTWIN PLANT VINES TO CREATE VEGETATIVE COVER. AT ALL OUTSIDE CORNERS, TYP.

PLANT CONTAINER, 1300cc, COMPOSED OF HIGH DENSITY POLY PROPYLENE (HDP)

S.S. WIRE GRID, NEWARK AMS 5513 2"x4"/.105 DIA.

TECHLINE EZ

Green Wall - Exterior Grid System Typical O.S. Corner Detail
EACH DESIGN IS SITE SPECIFIC
Green Wall - Exterior Grid System Typical Window Detail

1. PLANT CONTAINER, 1300cc, COMPOSED OF HIGH DENSITY POLY PROPYLENE (HDTP)
2. S.S. WIRE GRID, NEWARK AMS 5513 2"x4"/.105 DIA.
3. TECHLINE EZ
4. EXTEND S.S. GRID
5. 5mm TUBING WITH .26 GPH EMITTERS AT ENDS
6. INTERTWINE PLANT VINES TO CREATE VEGETATIVE COVER AT ALL OUTSIDE CORNERS, TYP.

WALL BY OTHERS

MIN. 8"-9"

MIN. 8"-9"

LINE OF WINDOW R.O.

WINDOW B.O.
NOTE:
All Gutters and Drainage By Others

DIRECT TO DRAINAGE SYSTEM

BASIC DRAINAGE CHANNEL

Green Wall - Exterior Grid System Water Diversion Options

EACH DESIGN IS SITE SPECIFIC

1
SCALE: 3" = 1'-0"

1 GS-10

Exterior Grid System

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860-502-5730 Office
888-205-0104 Fax

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Green Wall - Exterior Grid System Typical Equipment Room Layout

NOTE:
EQUIPMENT DIMENSION CLEARANCES ARE PER NETAFIM REQUIREMENTS

1 1/2 COPPER LINES GOING TO ZONES

2 1/2" BOILER DRAINS FOR WINTERIZATION

1 1/2" WM-075-001S-PD-M WATER METER

BACKFLOW PREVENTOR (RPZ), BY OTHERS.

POINT OF CONNECTION

120 VAC 10 AMPS

FERTILIZER PUMP

DISCHARGE

SUCTION

FOOT VALVE ON FERTILIZER SUCTION LINE

18" Clear

Top, Btm. Sides

FERTILIZER TANK

18" Clear

120 VAC, 1AMP REQUIRED

24" LOW VOLTAGE CONTROL WIRES

FROM CONTROL VALVES

HIGH FLOW 1 1/2" PRESSURE REGULATORS

1" 580 REMOTE CONTROL VALVES

5 1/2" DF075-120 DISC FILTERS

2 1/2" Clear

6" Clear

6" Min. Clear

20" 6" Delr.

Irrigation Controller NLC
SP012-C12WNON

Mount 5'-0" A.F.F.
See Electrical Code
For Front Clearance

SENSOR COMMUNICATION CABLE

AgroSci Inc.
P.O. Box 289
Colchester, CT 06415
888-502-6739 Office
888-205-0104 Fax

Landscape Division
Netafim USA

Project Name: N/A

Project Location: N/A

Standard Details

Drawing Name: Irrigation Equipment Room Layout

Drawing No.: GS-11

Scale: N.T.S.

Sheet: 13 of 17

Each design is site specific