Southern States ballistic resistant solutions offer military grade protection and detection for critical infrastructure facilities and equipment. Incorporating these technologies within your security plan will offer valuable performance advantages over commonly used products as well as help to ensure compliance with NERC CIP-014.

For protection purposes, the Ballisti-Wall® and Ballisti-Cover provide superior ballistic resistance as well as a significant weight advantage relative to other market options.

The ballistic panels are constructed from multiple layers of woven fiberglass, encapsulated with a proprietary resin system. Their unique composite matrix of panels allow for delamination to retain the projectile and avoid potentially hazardous ricochet. The panel resin can be impregnated with any color and provide a smooth finish with UV protection. Optional coatings are available to provide additional ballistic and UV protection. Standard panel sizes are available with a nominal thickness of 1/4", 3/8", and 1/2". These panels have been tested for UL 752 Levels 1 - 8 and NIJ Levels I, II, & IIIA test standards. Additional higher levels of protection are available upon customer request.

For detection purposes, the Ballisti-Alert provides notification of breach detection in only seconds relative to other market options.

Southern States offers patented automated ballistic sensor technology which can be integrated with our ballistic protection solutions to offer immediate breach notification. This technology can signal local law enforcement / first responders and provide an alert via a smart phone, smart watch, or radio device. Further, it can be integrated into any SCADA system to provide additional security options.
The patented Ballisti-Wall® is custom designed in modular sections allowing for easy installation and removal if required. Each wall section consists of ballistic panels in an alternating back to back louvered configuration on a galvanized steel structure. This patented design provides continuous airflow for transformers and other equipment requiring ventilation to avoid derating.


<table>
<thead>
<tr>
<th>UL-752 Rating</th>
<th>UL-752 Ammunition Specifications</th>
<th>Ammunition</th>
<th>Grain (g)</th>
<th>Minimum Velocity (fps)</th>
<th>Number of Shots</th>
<th>Ballistipanel Standard Qty. Level Tested Weight lbs/psf</th>
<th>Total Thickness</th>
<th>Weight lbs/psf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1</td>
<td>9 mm full metal copper jacket with lead core</td>
<td>124</td>
<td>8.0</td>
<td>1,175</td>
<td>3</td>
<td>1 panel of Level 1 0.25&quot; 2.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 2</td>
<td>.357 magnum jacketed lead soft point</td>
<td>158</td>
<td>10.2</td>
<td>1,250</td>
<td>3</td>
<td>1 panel of Level 2 0.375&quot; 4.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 3</td>
<td>.44 magnum lead semi-wadcutter gas checked</td>
<td>240</td>
<td>15.6</td>
<td>1,350</td>
<td>3</td>
<td>1 panel of Level 3 0.5&quot; 5.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 4</td>
<td>.30 caliber rifle lead core soft point</td>
<td>180</td>
<td>11.7</td>
<td>2,540</td>
<td>1</td>
<td>3 panels of Level 3 1.5&quot; 16.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 5</td>
<td>7.62 mm rifle lead core full metal copper jacket, military ball</td>
<td>150</td>
<td>9.7</td>
<td>2,750</td>
<td>1</td>
<td>3 panels of Level 3 1.5&quot; 16.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 6</td>
<td>9 mm full metal copper jacket with lead core</td>
<td>124</td>
<td>8.0</td>
<td>1,400</td>
<td>5</td>
<td>1 panel of Level 2 0.375&quot; 4.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 7</td>
<td>5.56 mm rifle full metal copper jacket with lead core</td>
<td>55</td>
<td>3.56</td>
<td>3,080</td>
<td>5</td>
<td>3 panels of Level 3 1.5&quot; 16.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 8</td>
<td>7.62 mm rifle lead core full metal copper jacket, military ball</td>
<td>150</td>
<td>9.7</td>
<td>2,750</td>
<td>5</td>
<td>3 panels of Level 3 1.5&quot; 16.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ADVANTAGES

► Electrically non-conductive
► Thermally non-conductive
► Electromagnetically transparent
► Ease of installation
► Corrosion resistant
► Durability
► Turn key services
► Non-ricochet, retains projectile
► Custom colors available
► Lightweight. Approximately 25% the weight of steel
► Modular, easily removable if needed

APPLICATIONS

► Critical asset protection including:
  – Motor operator protection
  – Communications box
  – Safe room
  – Shelter
  – Control house interior panels
  – Battery cabinet protection
  – Power transformers
  – Turn Key applications available
  – Etc.
Detecting a threat quickly and efficiently is a vital component of any strategic security plan. Southern States patented automated sensor detection technology **Ballisti-Alert** provides real time alerts (via a mobile device, smart watch, or radio) when critical assets have been breached. Integrating this technology with **Ballisti-Wall®** or **Ballisti-Cover** can offer the ideal protection to ensure your critical utility assets are in compliance with the NERC CIP-014 standard for physical security. This technology can additionally be integrated with existing SCADA systems to provide additional security functions including the ability to automatically turn on lights, security cameras, or sound an alarm system to notify personnel.

**ADVANTAGES**
- Provides immediate notification of security breach
- CIP-14 compliance
- Can be mounted directly onto equipment
- SCADA systems integration
- Continuously monitors integrity of circuit
- Can transmit breach notifications to cell phones or radios in 7 seconds or less
- Customizable alert messages
- Corrosion resistant
- Durable
- Waterproof
- Wireless or direct wire option
- Can provide breach location data

**APPLICATIONS**
- Critical asset protection - Structural:
  - Control facilities
  - Substation equipment
  - Power transformers
  - Circuit breakers
  - Control houses / control panels
  - Battery Cabinets
  - Motor Operators
  - Etc.