1. PRODUCT NAME
   American Architectural III Panels for wall applications.

2. MANUFACTURER
   AMERICAN BUILDINGS COMPANY

3. PRODUCT DESCRIPTION
   These wall panels provide 36" width coverage with a decorative shadow line and semi-concealed fasteners. Rib height is 1 ¼" on 12" centers.

   Basic Use: A wall panel system for new or retrofit construction.

   Materials: Architectural III wall panels are available in 29, 26, 24 gage 80,000 psi or 22 gage 50,000 psi in either G90 zinc-coated (galvanized) steel or aluminum-zinc alloy-coated (AZ50 or AZ55) steel. Pre-painted Panels have PVDF or SP (Silicone-Polyester) finish. An embossed finish is available as an option. Architectural III panels are attached to the secondary framing members by self-drilling carbon steel screws, No. 12 x 1 1/4" hex washer head, cadmium or zinc plated. Architectural III panel sidelaps are stitched with self-drilling carbon steel screws, No. 14 x 3/4" cadmium or zinc plated. Fasteners are normally color coordinated with a premium coating system that protects against corrosion and weathering. Maximum insulation thickness allowed with these panels is 6".

4. TECHNICAL DATA
   The Architectural III panel has been tested in accordance with Air Infiltration, ASTM E 283 and Water Penetration, ASTM E331. The Architectural III panel has also been Miami-Dade County approved. This panel has received a Class A fire rating when tested in accordance with test procedure ASTM E108.

5. INSTALLATION
   Installation should be performed in accordance with American Buildings Company's manuals and building erection drawings, and should be by a qualified installer using proper tools and equipment. Systems are installed by American Buildings Company Authorized Builders.

6. AVAILABILITY
   For availability, contact:
   AMERICAN BUILDINGS COMPANY

7. WARRANTY
   Thirty-five year material warranties are available.

8. MAINTENANCE
   Only normal routine maintenance is required over the life of the panels.

9. TECHNICAL SERVICES
   For information, contact:
   AMERICAN BUILDINGS COMPANY

10. PRODUCT NOTES

   …..continued
### Engineering Properties of American Buildings Company Architectural III Panel (ASD)

<table>
<thead>
<tr>
<th>Designated Gage of Steel</th>
<th>Steel Yield KSI</th>
<th>Base Metal Thickness (In.)</th>
<th>Total Thickness (In.)</th>
<th>Panel Base Metal Weight (lbs/ft²)</th>
<th>Top In Compression</th>
<th>Bottom In Compression</th>
<th>Fb KSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>29 Ga.</td>
<td>80</td>
<td>0.0137</td>
<td>0.153</td>
<td>0.028</td>
<td>0.035</td>
<td>1.27</td>
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<td>80</td>
<td>0.0177</td>
<td>0.193</td>
<td>0.035</td>
<td>0.046</td>
<td>1.66</td>
<td>0.043</td>
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<tr>
<td>24 Ga.</td>
<td>80</td>
<td>0.0225</td>
<td>0.234</td>
<td>0.047</td>
<td>0.059</td>
<td>2.14</td>
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<td>80</td>
<td>0.0290</td>
<td>0.316</td>
<td>0.070</td>
<td>0.081</td>
<td>2.44</td>
<td>0.083</td>
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</table>

### Maximum Total Uniform Load in PSF

<table>
<thead>
<tr>
<th>Span Lengths, Ft.</th>
<th>3.00</th>
<th>3.50</th>
<th>4.00</th>
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<th>5.00</th>
<th>6.00</th>
<th>7.00</th>
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</table>

1. The panels are checked for bending (B), shear (S), combined bending and shear (B+S), deflection (D), web crippling (C), and panel pullout (P).
2. The controlling check is noted in the table. Deflection is limited to span/480, and includes the permitted wind load reduction factor of 0.7 times the "components and cladding" loads as noted in footnote 1 of IBC Table 1604.3.
3. Minimum yield strength of 29, 26, and 24 gage steel is 80,000 psi. Minimum yield strength of 22 gage steel is 50,000 psi.
4. Steel panels are either aluminum-zinc alloy or G-90 coated. The base metal thickness is used in determining section properties.
5. Positive load (POS) is applied inward toward the panel supports, and is applied to the outer surface of the full panel cross-section. Negative load (NEG) is in the opposite direction.