Forced Entry Ballistic Resistant (FEBR), Bullet Resistant and Blast

Discussion of company, product performance and design
History

1954 – Established in Cornelia, GA – 60 years of continuous operation

Commercial Hollow Metal - Frames for post war SE building boom

70s – Development of detention hollow metal (doors/frames)

80s – Building Boom for detention and correctional facilities nationwide

90s – Developed Bullet Resistant, modular steel cell products, storm, fire

00s – Commercial Security – FEBR, BR, blast; Detention – Walls/Ceilings

10s – Continuous innovation - Capitalize on robust security product lines
Habersham

• 80 associates dedicated to life safety products
• 190,000 SF of manufacturing and office space
• Leadership in ASTM Detention, NAAMM/HMMA, ASTM Homeland Security, NFPA
• ISO 9001:2008
• Lean SixSigma
• VOSB Veteran Owned Small Business
• Investment in technology – ERP, 3D modeling, equipment
• Solution driven – Let us solve your security needs
Experienced

World Trade Center - VSC – New York City, NY
Consulate General of USA – Amsterdam
Consulate General of USA – Port of Spain
George Washington Bridge - New York City, NY
Brooklyn Bridge - New York City, NY
Trauma Bridge UT Medical Branch, UT
Buford Dam Security Upgrade – Buford, GA
Vanderburgh AF Base – CA
22 Guard Towers – Erbil, Iraq
Almco – Operation Base - Iraq
MCP Control Building Blast Doors

USA Canada Mexico Iraq Afghanistan Singapore Netherlands Bermuda Turkey Caribbean
Performance

Security doors, frames and windows ANSI/NAAMM/HMMA 863
Security wall/ceiling panel systems
Security fixed and operable windows
Commercial products – ANSI/NAAM/HMMA 861
Bullet resistant products – UL 1 - 8, NIJ, DS/OBO
Forced Entry Ballistic Resistant FE/BR– 5,15,60 minute
Blast rated doors and windows
Fire rated – UL, ITS
STC - Sound rated doors, wall, ceilings
Hurricane/Storm rated doors and frames

All Security products are supported by 3rd party testing, reports, certifications
Security

Domestic/International Terrorist prone buildings/facilities
Civil Unrest – unruly mobs
Theft and Vandalism

Industry Focus:
Government – Federal, State, Local
Port Authorizes
Hospitality
Education
Petro-chemical
Historic up-armor/Retrofit
Residential
Private/Public Corporations
Financial institutions
Religious institutions
<table>
<thead>
<tr>
<th>Products</th>
<th>Habersham Model</th>
<th>DOS Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 min Single Door Opaque</td>
<td>HMP-OP-05-01</td>
<td>GDO-05N-HMP-01A</td>
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<tr>
<td>5 min Single Door Single Vision</td>
<td>HMP-SV-SG-05</td>
<td>GDT-05N-HMP-01</td>
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<tr>
<td>5 min Single Door Double Vision</td>
<td>HMP-DV-05-01</td>
<td>GDT-05N-HMP-01A</td>
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<td>5 min Double Door Opaque</td>
<td>HMP-OP-05PR-01</td>
<td>GDDO-05N-HMP-01A</td>
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<td>5 min Double Door Single Vision</td>
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<td>15 min Single Door Opaque</td>
<td>HMP-FEBR-15OP-01</td>
<td>GDO-15R-HMP-01</td>
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<td>15 min Single Door Single Vision</td>
<td>HMP-FEBR-15SV-01</td>
<td>GDT-15R-HMP-02A</td>
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<td>15 min Single Door Double Vision</td>
<td>HMP-FEBR-15DV-01</td>
<td>GDT-15R-HMP-02B</td>
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<td>15 min Double Door Opaque</td>
<td>HMP-FEBR-15PR2</td>
<td>GDD-15R-HMP-01</td>
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<td>15 min Double Door Single Vision</td>
<td>HMP-FEBR-15PRSV-01</td>
<td>GDDT-15R-HMP-03A</td>
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<td>15 min Double Door Double Vision</td>
<td>HMP-FEBR-15PRDV-02</td>
<td>GDDT-15R-HMP03B</td>
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<td>15 min Stainless Door TR</td>
<td>HMPFEBR15A</td>
<td>GDT-15R-HMP-02</td>
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<td>15 min Sliding Window</td>
<td>HMP-W-SLGP-15</td>
<td>GSWV-15R-HMP-01</td>
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<td>15 min Single Pane Window</td>
<td>HMP-SP-001</td>
<td>GWV-15R-HMP-01</td>
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<tr>
<td>15 min Mullion Connection</td>
<td>HMP-ML-1500</td>
<td>GML-15R-HMP-01</td>
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<td>15 min Teller Window</td>
<td>HMP-TW-1500</td>
<td>GWT-15R-HMP-01</td>
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<td>15 min Opaque Panel</td>
<td>HMP-OP-1500</td>
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<td>60 min Single Door</td>
<td>HMPFEBR-60</td>
<td>GDO-60R-HMP-01</td>
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<td>60 min Double Door</td>
<td>HMPC-FEBR-60PR</td>
<td>GDD-60R-HMP-01</td>
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<td>60 min Louver Assembly</td>
<td>HMP-LV-6000</td>
<td>GPL-60R-HMP-01</td>
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<tr>
<td>60 min Louver Assembly</td>
<td>HMP-LV-6001</td>
<td>GPL-60R-HMP-02</td>
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<tr>
<td>60 min Escape Hatch</td>
<td>HMP-RH-01-60</td>
<td>GHE-60R-HMP-01</td>
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Bullet Resistant

• UL Underwriters Laboratory
  • Level 1 thru 8

• National Institute of Justice (NIJ)

• US State Department SD-STD-01.01, Rev G

• ASTM F 1233-08 Security Glazing

• ASTM F 3038-14 Forced Entry
<table>
<thead>
<tr>
<th>Rating</th>
<th>Ammunition</th>
<th>Weight (grains)</th>
<th>Weight (grams)</th>
<th>min fps</th>
<th>max fps</th>
<th>Number of shots</th>
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<tbody>
<tr>
<td>Level 1</td>
<td>9mm Full Metal Copper Jacket with Lead Core</td>
<td>124</td>
<td>8.0</td>
<td>1175</td>
<td>1293</td>
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<td>Level 2</td>
<td>.357 Magnum Jacketed Lead Soft Point</td>
<td>158</td>
<td>10.2</td>
<td>1250</td>
<td>1375</td>
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<td>Level 3</td>
<td>.44 Magnum Lead Semi-Wadcutter Gas Checked</td>
<td>240</td>
<td>15.6</td>
<td>1350</td>
<td>1485</td>
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<tr>
<td>Level 4</td>
<td>.30 Caliber Rifle Lead Core Soft Point (.30-06 Caliber)</td>
<td>180</td>
<td>11.7</td>
<td>2540</td>
<td>2794</td>
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<tr>
<td>Level 5</td>
<td>7.62mm Rifle Lead Core Full Metal Copper Jacket Military Ball (.308 Caliber)</td>
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<td>9.7</td>
<td>2750</td>
<td>3025</td>
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<td>9mm Full Metal Copper Jacket with Lead Core</td>
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<td>5.56mm Rifle Full Metal Copper Jacket with Lead Core (.223 Caliber)</td>
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<td>3.56</td>
<td>3080</td>
<td>3383</td>
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<td>Level 8</td>
<td>7.62mm Rifle Lead Core Full Metal Copper Jacket Military Ball (.308 Caliber)</td>
<td>150</td>
<td>9.7</td>
<td>2750</td>
<td>3025</td>
<td>5</td>
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<td>Level 9</td>
<td>.30-06 caliber rifle, steel core, lead point filler, FMJ (APM2)</td>
<td>166</td>
<td>10.8</td>
<td>2715</td>
<td>2987</td>
<td>1</td>
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<td>Level 10</td>
<td>.50 caliber rifle, lead core FMCJ Military Ball (M2)</td>
<td>709.5</td>
<td>45.9</td>
<td>2810</td>
<td>3091</td>
<td>1</td>
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<tr>
<td>Shotgun</td>
<td>12-Gauge Rifled Lead Slug</td>
<td>1 oz.</td>
<td>28.3</td>
<td>1585</td>
<td>1744</td>
<td>3</td>
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<tr>
<td></td>
<td>12-Gauge 00 Buckshot (12 pellets)</td>
<td>1.5oz</td>
<td>42</td>
<td>1200</td>
<td>1320</td>
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</table>
Blast

- Low Level Blast: 1 – 2 psi Doors (Static Pressure Test ASTM E330 ASTM F2247- Acceptance Category Level I), 3 – 5 psi

- Medium Level Blast: - 4 -6 psi 10 gauge Doors (Static Pressure Test ASTM F2247- Acceptance Category Level I)

- High Level Blast: 10 – 15 psi High Security Door Construction (Static Pressure Test ASTM F2247- Acceptance Category Level I)

- Equivalent Static Pressures. Very Short Duration, dynamic pressures up to 35 psi.

- Custom Designs
Security Windows

Security fixed sliding - ANSI/NAAMM/HMMA 863
Commercial – ANSI/NAAM/HMMA 861
Bullet resistant products – UL 1 - 8, NIJ, DS
Forced Entry Ballistic Resistant FE/BR– 5, 15minute
Blast rated – low, med, high
Fire rated – UL, ITS
Hurricane/Storm rated doors and frames/ICC 500

Stainless Steel /Galvanized
Optional Finish Coatings – Prime Paint, High performance

Security products are supported by 3rd party testing, reports, certifications
Window / Louver

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Production Area
Come see us!
THANK YOU

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