MATRIX ALPHA® | MULTIPLE GALVANIZED SECURITY MESH OPTIONS

- 3" x 6" x .083 wall POST SHOWN IN ELEVATION. POST OPTIONS VARY BASED UPON FENCE HEIGHT, SITE CONDITIONS AND WIND LOADING REQUIREMENTS.
- OPTIONAL SPIKE DETERRENT STRIPS SHOWN IN ELEVATION. 3-WIRE BARB ARMS FOR INSTALLATION OF BARB-WIRE ALSO AVAILABLE.
- INFILL TO RAIL ATTACHMENT METHODS VARY BASED ON SPECIFICATION REQUIREMENTS.
- * ON CENTER POST SPACING SHALL BE BASED UPON WIND LOAD AND SITE CONDITIONS. POST SPACING NOT TO EXCEED 12' ON CENTER.
- OPTIONAL ANIMAL MITIGATION SHIELD AVAILABLE FOR DETERRING INTRUSION OF NUISANCE ANIMALS.

NOTES:
1. VARIOUS MESH INFILL OPTIONS AVAILABLE. SEE SPECIFICATION FOR DETAILS.
2. 3" x 6" x .083 wall POST SHOWN IN ELEVATION. POST OPTIONS VARY BASED UPON FENCE HEIGHT, SITE CONDITIONS AND WIND LOADING REQUIREMENTS.
3. OPTIONAL SPIKE DETERRENT STRIPS SHOWN IN ELEVATION. 3-WIRE BARB ARMS FOR INSTALLATION OF BARB-WIRE ALSO AVAILABLE.
4. INFILL TO RAIL ATTACHMENT METHODS VARY BASED ON SPECIFICATION REQUIREMENTS.
5. * ON CENTER POST SPACING SHALL BE BASED UPON WIND LOAD AND SITE CONDITIONS.
6. POST SPACING NOT TO EXCEED 12' ON CENTER.
7. OPTIONAL ANIMAL MITIGATION SHIELD AVAILABLE FOR DETERRING INTRUSION OF NUISANCE ANIMALS.

Effective: 05/07/19

TO PLACE YOUR ORDER CALL 888-333-3422 | VISIT AMERISTARFENCE.COM

5.1
### MATRIX ALPHA® INFILLS

**ALL MATRIX INFILL'S ARE A 5' WIDTH**

#### X-SPAN

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>ITEM NUMBER</th>
<th>PALLET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>MAEM9U60096</td>
<td>47</td>
<td>74.4 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MAEM9U60120</td>
<td>37</td>
<td>93.0 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MAEM9U60144</td>
<td>31</td>
<td>111.6 lbs</td>
</tr>
</tbody>
</table>

Expanded metal steel mesh provides modest delay to cut-through threats.

#### X-SPAN ULTRA

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>ITEM NUMBER</th>
<th>PALLET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>MA13UU60096</td>
<td>50</td>
<td>69.2 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MA13UU60120</td>
<td>40</td>
<td>86.5 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MA13UU60144</td>
<td>33</td>
<td>103.8 lbs</td>
</tr>
</tbody>
</table>

Expanded metal steel mesh provides modest delay to cut-through threats and moderate visual screening.

#### X-SPAN MODIFIED

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>ITEM NUMBER</th>
<th>PALLET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>MA13RU60096</td>
<td>28</td>
<td>124.0 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MA13RU60120</td>
<td>22</td>
<td>155.0 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MA13RU60144</td>
<td>18</td>
<td>186.0 lbs</td>
</tr>
</tbody>
</table>

Modified Expanded metal steel mesh provides superior delay to cut-through threats as well as ample visual screening.

#### X-SCREEN

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>ITEM NUMBER</th>
<th>PALLET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>MA94RU60096</td>
<td>31</td>
<td>110.4 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MA94RU60120</td>
<td>25</td>
<td>138.0 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MA94RU60144</td>
<td>21</td>
<td>165.0 lbs</td>
</tr>
</tbody>
</table>

Louvered steel mesh provides favorable delay to cut-through threats and maximum visual screening.

#### WIREWORKS

<table>
<thead>
<tr>
<th>HEIGHT</th>
<th>ITEM NUMBER</th>
<th>PALLET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>MAAC@U60096</td>
<td>28 / 40</td>
<td>79.5 / 111.8 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MAAC@U60120</td>
<td>22 / 32</td>
<td>99.2 / 139.6 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MAAC@U60144</td>
<td>19 / 27</td>
<td>119.0 / 167.5 lbs</td>
</tr>
</tbody>
</table>

Welded Wire steel mesh provides ample delay to cut-through threats and modest visual screening.

\(\circ\) = GAUGE OPTIONS AVAILABLE | \(6\) = 6GA | \(8\) = 8GA

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Effective: 05/07/19

**TO PLACE YOUR ORDER CALL 888-333-3422 | VISIT AMERISTARFENCE.COM**
**MATRIX ALPHA® | T-TRACK / INFILL COVERS**

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>ITEM NUMBER</th>
<th>PALLET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>MAUTC-8</td>
<td>75</td>
<td>6.35 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MAUTC-10</td>
<td>75</td>
<td>7.94 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MAUTC-12</td>
<td>75</td>
<td>9.53 lbs</td>
</tr>
</tbody>
</table>

T-Track / Infill Covers are used to join infill sheets. Therefore, the quantities required should match the infill sheet quantity.

**NOTE: HARDWARE NOT INCLUDED, SEE FASTENER SECTION**

**CARRIAGE BOLT HARDWARE SET:**
1 Ea. #1-0090-UBKT (5/16"-18 x 1-1/4" Carriage Bolt), 1 Ea. #1003414-BKT (5/16" Flat Washer),
1 Ea. #3-0051-UBKT (5/16"-18 Flange Nut)

**TRI-LOBE HARDWARE SET:**
1 Ea. #1-0088-142BKT (3/8"-16 x 1.69" Screw), 1 Ea. #18999-BKT (3/8" Flat Washer),
1 Ea. #3-0038-UBKT (3/8"-16 Nut)

MAUTC-8: 16 Hardware Sets
MAUTC-10: 20 Hardware Sets
MAUTC-12: 24 Hardware Sets

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**MATRIX ALPHA® | RAILS**

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>ITEM NUMBER</th>
<th>BUNDLE QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24'</td>
<td>MAU24</td>
<td>64</td>
<td>37.03 lbs</td>
</tr>
</tbody>
</table>

8' & 10' height systems to use a minimum of 3 rails. 12' height system to use a minimum of 4 rails.

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**MATRIX ALPHA® | RAIL SPLICE**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>BOX QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rail Splice</td>
<td>MAUS</td>
<td>32</td>
<td>1.08 lbs</td>
</tr>
</tbody>
</table>

Rail splices are used to join the rails. Therefore, the quantity required should match the rail quantity.

**NOTE: HARDWARE NOT INCLUDED, SEE FASTENER SECTION**

2 Ea. #1-0067-UBKT (#12 Tek Screw)

---

**MATRIX ALPHA® | INFILL HANGER BRACKET**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SACK QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infill Hanger Bracket</td>
<td>MAUB22H</td>
<td>92</td>
<td>0.22 lbs</td>
</tr>
</tbody>
</table>

Each Infill sheet uses a minimum of 2 hanger brackets on top rail. More may be used depending on attachment option per job.

**NOTE: HARDWARE NOT INCLUDED, SEE FASTENER SECTION**

1 Ea. #2-0102-UBKT (5/16"-18 x 1-1/4" Elevator Bolt), 1 Ea. #2-0103-UBKT (5/16"-18 x 3-1/2" Elevator Bolt) and 2 Ea. #3-0051-UBKT (5/16"-18 Flange Nut)

---

**TO PLACE YOUR ORDER CALL 888-333-3422 | VISIT AMERISTARFENCE.COM | ASSA ABLOY | EFFECTIVE: 05/07/19**
**MATRIX ALPHA® | POST BRACKETS**

<table>
<thead>
<tr>
<th>POST BRACKETS</th>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SACK QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Grade Bracket</td>
<td>MAUSB</td>
<td>39</td>
<td>0.26 lbs</td>
<td></td>
</tr>
</tbody>
</table>

Post Bracket quantities to match number of rails per post.

**NOTE: HARDWARE NOT INCLUDED, SEE FASTENER SECTION**
1 Ea. #2-0090-UBKT (5/16"-18 x 1-1/4" Carriage Bolt), 1 Ea. #3-0051-UBKT (5/16"-18 Flange Nut), 4 Ea. #1-0067-UBKT (#12 Tek Screw)

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SACK QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot; Post Bracket</td>
<td>MAUB44W</td>
<td>28</td>
<td>0.52 lbs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SACK QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot; x 6&quot; Post Bracket</td>
<td>MAUB36W</td>
<td>28</td>
<td>0.58 lbs</td>
</tr>
</tbody>
</table>

Post Bracket quantities to match number of rails per post.

**NOTE: HARDWARE NOT INCLUDED, SEE FASTENER SECTION**
1 Ea. #2-0086-UBKT (5/16"-18 x 3-1/2" Carriage Bolt), 1 Ea. #3-0051-UBKT (5/16"-18 Flange Nut), 4 Ea. #1-0067-UBKT (#12 Tek Screw)

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SACK QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; x 6&quot; Post Bracket</td>
<td>MAUB66W</td>
<td>20</td>
<td>0.71 lbs</td>
</tr>
</tbody>
</table>

Post Bracket quantities to match number of rails per post.

**NOTE: HARDWARE NOT INCLUDED, SEE FASTENER SECTION**
1 Ea. #2-0086-UBKT (5/16"-18 x 3-1/2" Carriage Bolt), 1 Ea. #3-0051-UBKT (5/16"-18 Flange Nut), 4 Ea. #1-0067-UBKT (#12 Tek Screw)

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>BOX QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Grade Bracket</td>
<td>MAUSB</td>
<td>39</td>
<td>0.26 lbs</td>
</tr>
</tbody>
</table>

Post Grade Brackets to be used at post when grade angle exceeds what standard channel on bracket can accommodate.

**NOTE: USES HARDWARE FROM EXISTING POST BRACKET**
**MATRIX ALPHA® | CORNER BRACKET**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8' Corner Bracket</td>
<td>MAUCB-8</td>
<td>14.55 lbs</td>
</tr>
<tr>
<td>10' Corner Bracket</td>
<td>MAUCB-10</td>
<td>18.23 lbs</td>
</tr>
<tr>
<td>12' Corner Bracket</td>
<td>MAUCB-12</td>
<td>21.95 lbs</td>
</tr>
</tbody>
</table>

Corner Brackets are used to join Infill Sheets at corners. The quantity should equal the number of corners of the site.

**NOTE:** HARDWARE NOT INCLUDED, SEE FASTENER SECTION

**CARRIAGE BOLT HARDWARE SET:**
1 Ea. #2-0090-UBKT (5/16"-18 x 1-1/4" Carriage Bolt), 1 Ea. #103414-BKT (5/16" Flat Washer), 1 Ea. #3-0051-UBKT (5/16"-18 Flange Nut)

**TRI-LOBE HARDWARE SET:**
1 Ea. #1-0049-142BKT (3/8"-16 x 1.69" Screw), 1 Ea. #18991-BKT (3/8" Flat Washer), 1 Ea. #3-0038-UBKT (3/8"-16 Nut)

MAUCB-8: 14 Hardware Sets
MAUCB-10: 16 Hardware Sets
MAUCB-12: 18 Hardware Sets

**MATRIX ALPHA® | CORNER/GRADE CHANGE HINGE**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>BOX QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corner/Grade Change Hinge Hardware Box</td>
<td>MAUCGB</td>
<td>12</td>
<td>0.47 lbs</td>
</tr>
</tbody>
</table>

Corner/Grade Change Hinge is used to join rails at any corner/grade change between 0°-90°.

Kit includes: 2 Ea. #90-130-15405 (Max Corner Hinge), 2 Ea. #18991 (3/8" x 7/8" Flat Washer), 1 Ea. #19024 (3/8-16 x 1/2" Hex Nut), 1 Ea. #2-0097-U (3/8" x 1-1/2" Hex Bolt), 2 Ea. #1-0067-U (#12 - 14 x 3/4" Tek Screw)

**NOTE:** The quantity used at each corner/grade change is equal to the number of rails at that location.
#12 Tek Screw Stainless Steel

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SIZE</th>
<th>BUCKET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel</td>
<td>1-0067-UBKT</td>
<td>#12 x 3/4&quot;</td>
<td>480</td>
<td>0.01 lbs</td>
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</tbody>
</table>

Carriage Bolt Stainless Steel

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SIZE</th>
<th>BUCKET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel</td>
<td>2-0086-UBKT</td>
<td>5/16&quot; x 1-1/4&quot;</td>
<td>240</td>
<td>0.07 lbs</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>2-0090-UBKT</td>
<td>5/16&quot; x 3-1/2&quot;</td>
<td>480</td>
<td>0.04 lbs</td>
</tr>
</tbody>
</table>

Elev Bolt Stainless Steel

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
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<th>BUCKET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel</td>
<td>2-0102-UBKT</td>
<td>5/16&quot; x 1-1/4&quot;</td>
<td>150</td>
<td>0.04 lbs</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>2-0103-UBKT</td>
<td>5/16&quot; x 3-1/2&quot;</td>
<td>300</td>
<td>0.08 lbs</td>
</tr>
</tbody>
</table>

Nut Stainless Steel

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SIZE</th>
<th>BUCKET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel</td>
<td>3-0038-UBKT</td>
<td>3/8&quot;-16</td>
<td>480</td>
<td>0.02 lbs</td>
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</table>

Flange Nut Stainless Steel

<table>
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<tr>
<th>DESCRIPTION</th>
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<th>SIZE</th>
<th>BUCKET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel</td>
<td>3-0051-UBKT</td>
<td>5/16&quot;-18</td>
<td>480</td>
<td>0.03 lbs</td>
</tr>
</tbody>
</table>

Flat Washer Stainless Steel

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>SIZE</th>
<th>BUCKET QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel</td>
<td>18991-BKT</td>
<td>3/8&quot; x 7/8&quot;</td>
<td>480</td>
<td>0.01 lbs</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>103414-BKT</td>
<td>5/16&quot; x 3/4&quot;</td>
<td>480</td>
<td>0.01 lbs</td>
</tr>
</tbody>
</table>
### BURY POSTS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>DEPTH</th>
<th>ITEM NUMBER</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot; x 11GA</td>
<td>Varies</td>
<td>MAUP44LXXXL</td>
<td>Varies</td>
</tr>
<tr>
<td>3&quot; x 6&quot; x 14GA</td>
<td>Varies</td>
<td>MAUP36LXXXL</td>
<td>Varies</td>
</tr>
<tr>
<td>3&quot; x 6&quot; x .1875&quot;</td>
<td>Varies</td>
<td>MAUP36HXXXL</td>
<td>Varies</td>
</tr>
<tr>
<td>6&quot; x 6&quot; x .1875&quot;</td>
<td>Varies</td>
<td>MAUP66HXXXL</td>
<td>Varies</td>
</tr>
</tbody>
</table>

**XXX = VARIABLE LENGTH OPTIONS AVAILABLE**

**NOTE:** Post length is dependent on but not limited to: soil conditions, wind load requirement, fence height, post spacing & infill used. Please consult your Ameristar representative for correct post length.

### PLATED POSTS

<table>
<thead>
<tr>
<th>POST LENGTH</th>
<th>ITEM NUMBER</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>MAUP44PL094LG</td>
<td>69.09 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MAUP44PL118LG</td>
<td>81.36 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MAUP44PL142LG</td>
<td>93.83 lbs</td>
</tr>
<tr>
<td>Varies</td>
<td>MAUP44PLXXXLG</td>
<td>Varies</td>
</tr>
<tr>
<td>8'</td>
<td>MAUP36PL094LG</td>
<td>85.44 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MAUP36PL118LG</td>
<td>99.35 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MAUP36PL094LG</td>
<td>113.26 lbs</td>
</tr>
<tr>
<td>Varies</td>
<td>MAUP36PLXXXLG</td>
<td>Varies</td>
</tr>
<tr>
<td>8'</td>
<td>MAUP36PH094LG</td>
<td>132.38 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MAUP36PH118LG</td>
<td>153.40 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MAUP36PH142LG</td>
<td>174.42 lbs</td>
</tr>
<tr>
<td>Varies</td>
<td>MAUP36PHXXXLG</td>
<td>Varies</td>
</tr>
<tr>
<td>8'</td>
<td>MAUP66PH094LG</td>
<td>162.10 lbs</td>
</tr>
<tr>
<td>10'</td>
<td>MAUP66PH118LG</td>
<td>190.78 lbs</td>
</tr>
<tr>
<td>12'</td>
<td>MAUP66PH142LG</td>
<td>219.47 lbs</td>
</tr>
<tr>
<td>Varies</td>
<td>MAUP66PHXXXLG</td>
<td>Varies</td>
</tr>
</tbody>
</table>

**XXX = VARIABLE LENGTH OPTIONS AVAILABLE**

**NOTE:** Post length is dependent on but not limited to: soil conditions, wind load requirement, fence height, post spacing & infill used. Please consult your Ameristar representative for correct post length.

---

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Effective: 05/07/19
MATRIX ALPHA® | BURY TECH POST

<table>
<thead>
<tr>
<th>SIZE</th>
<th>HEIGHT</th>
<th>DEPTH</th>
<th>ITEM NUMBER</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 6” x .1875</td>
<td>18’</td>
<td>Varies</td>
<td>MAUTP66H216HXXXD</td>
<td>Varies</td>
</tr>
<tr>
<td>6” x 6” x .1875</td>
<td>Varies</td>
<td>Varies</td>
<td>MAUTP66HYYYYHXXXD</td>
<td>Varies</td>
</tr>
</tbody>
</table>

YYYY = VARIABLE HEIGHT OPTIONS AVAILABLE
XXX = VARIABLE DEPTH OPTIONS AVAILABLE

NOTE: Post length is dependent on but not limited to: soil conditions, wind load requirement, fence height, post spacing & infill used. Please consult your Ameristar representative for correct post length.

MATRIX ALPHA® | PLATED TECH POST

<table>
<thead>
<tr>
<th>SIZE</th>
<th>HEIGHT</th>
<th>ITEM NUMBER</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 6” x .1875</td>
<td>18’</td>
<td>MAUTP66H216HG</td>
<td>305 lbs</td>
</tr>
<tr>
<td>6” x 6” x .1875</td>
<td>Varies</td>
<td>MAUTP66HYYYYHG</td>
<td>Varies</td>
</tr>
</tbody>
</table>

YYYY = VARIABLE HEIGHT OPTIONS AVAILABLE

NOTE: Fasteners not included, hardware required for each box (3 plates) which is 1 Tech Post: 12 Ea. #1-0049-142BKT

MATRIX ALPHA® | TECH POST ACCESS COVER PLATE

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>BOX QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tech Post Access Cover Plate</td>
<td>MAUTPCP</td>
<td>3</td>
<td>5.55 lbs</td>
</tr>
</tbody>
</table>

Sold in box quantity of 3 which match number of access posts on Tech Post.

NOTE: Hardware not included, see fastener section.
For each box (3 Plates) which is 1 Tech Post: 12 Ea. #1-0049-142BKT (3/8”-16 x 1.69” Screw)
### MATRIX ALPHA® | POST CAPS

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>ITEM NUMBER</th>
<th>BAG QTY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” X 4” sq.</td>
<td>MAUCAP44</td>
<td>28</td>
<td>0.35 lbs Ea.</td>
</tr>
<tr>
<td>3” X 6” sq.</td>
<td>MAUCAP36</td>
<td>28</td>
<td>0.39 lbs Ea.</td>
</tr>
<tr>
<td>6” X 6” sq.</td>
<td>MAUCAP66</td>
<td>20</td>
<td>0.62 lbs Ea.</td>
</tr>
</tbody>
</table>

**NOTE:** FASTENERS NOT INCLUDED, HARDWARE REQUIRED

- MAUCAP44: 1 Ea. #1-0067-UBKT (#12 Tek Screw)
- MAUCAP36: 1 Ea. #1-0067-UBKT (#12 Tek Screw)
- MAUCAP66: 1 Ea. #1-0067-UBKT (#12 Tek Screw)

### MATRIX ALPHA® | ACCESSORIES

**Camera Arm**
- **DESCRIPTION:** Camera Arm
- **ITEM NUMBER:** MAUCA
- **SIZE:** 3” X 7” X 1/4” x 24”
- **WEIGHT:** 35.04 lbs

**Camera Arm Hardware**
- **DESCRIPTION:** Camera Arm Hardware
- **ITEM NUMBER:** MAXCA-HDW

**Note:** #MAXCA-HDW Hardware Kit includes: 4 Ea. #90-133-15409 (5” Round x 14GA Steel Plate), 14 Ea. #1-0049-142 (3/8” x 1.69” Screw), and 1 Ea #90-133-15410 (2” x 3-1/2” x 14GA Steel Plate)

**Davit Arm**
- **DESCRIPTION:** Davit Arm
- **ITEM NUMBER:** MAULA66
- **SIZE:** 7.1875” x 6.625”
- **WEIGHT:** 6.08 lbs

**Spike Wall Topper**
- **DESCRIPTION:** Spike Wall Topper
- **ITEM NUMBER:** MAUST10
- **SIZE:** 6.75” X 121.75” L
- **WEIGHT:** 12.54 lbs

Spike Wall Topper uses existing infill to rail fasteners for attachment, as a standard.

### Notes:
- If barb arms are to be installed add 3-1/2” to intermediate and corner posts.
- Note: Hardware not included, see fastener section.

**Line Barb Arm**
- **DESCRIPTION:** Line Barb Arm
- **ITEM NUMBER:** PBAU-L
- **SIZE:** 18”
- **WEIGHT:** 2.36 lbs

**End/Corner Barb Arm**
- **DESCRIPTION:** End/Corner Barb Arm
- **ITEM NUMBER:** MBAU-FC
- **SIZE:** 18”
- **WEIGHT:** 5.08 lbs

Hot dipped galvanized. 1 line barb arm required at each intermediate post. Corner barb arms required at corner posts.
### Animal Guard Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Item Number</th>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Shield Line Kit</td>
<td>ASLU</td>
<td>62&quot; L</td>
<td>41.15 lbs</td>
</tr>
<tr>
<td>Animal Shield Corner Kit</td>
<td>ASCU</td>
<td>12.75&quot; x 40.125&quot; x 10&quot;</td>
<td>21.00 lbs</td>
</tr>
</tbody>
</table>

ASLU - Installs along upper portion of fence at desired height from grade (field modifications may be required). One kit required every 62 inches.

ASCU - Installs at upper portion of fence adjacent to ASLU at each corner (field modifications may be required).

**Note:** #ASLU Animal Shield Line Kit includes: 1 Ea. #90-552-15568 (Line), 2 Ea. #90-130-15569 (Bracket) 10 Ea. #10049-X (3/8"-16 x 1.69 GRS Screw), 10 Ea. #10537 (3/8 Stainless Steel Nut), and 3 Ea. #1-0067-U (1/12-14 x 3/4 Stainless Steel Tek Screw).

#ASCU Animal Shield Corner Kit includes: 1 Ea. #90-552-15610 (Corner Cover), 1 Ea. #90-552-15611 (Corner Plate), 6 Ea. #90-130-15612 (Corner Bracket, and 12 Ea. #1-0049-X (3/8"-16 x 1.69 GRS Screw).

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<table>
<thead>
<tr>
<th>Description</th>
<th>Item Number</th>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom Gate Sweep Aluminum Brush Kit</td>
<td>BGSB96</td>
<td>96&quot; L</td>
<td>4 lbs</td>
</tr>
</tbody>
</table>

Installs along bottom of gate to mitigate gaps (field modification may be required). One kit required every 96 inches.

**Kit Contains:** (1) 96" Aluminum Brush Holder (90-552-15770) | (1) 96" Length 3" Nylon Crimped Strip Brush (90-552-15771) | (9) #12-14 x 3/4" Stainless Steel Tek Screw (1-0067-U)

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<table>
<thead>
<tr>
<th>Description</th>
<th>Item Number</th>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Gate Animal Mitigation</td>
<td>VGAMB144</td>
<td>6&quot; W x 72&quot; L</td>
<td>24 lbs</td>
</tr>
</tbody>
</table>

Installs along upper portion of fence at desired height from grade (field modifications may be required). One kit required every 62 inches.

**Contains:** (1) Animal Shield Vertical Bracket (90-552-15810) | (2) 1/4" Thick x 6" W x 72" L 60A Neoprene Strip (90-552-15809) | (20) 3/8"-16 x 1.69" GRS Screw (1-0049-X) | (10) 3/8" Stainless Steel Nut (HB537)

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<table>
<thead>
<tr>
<th>Description</th>
<th>Item Number</th>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gate Animal Shield (Flat)</td>
<td>ASGU</td>
<td>30&quot; W x 96&quot; L</td>
<td>54 lbs</td>
</tr>
</tbody>
</table>

Installs along upper portion of gate, matching height of adjacent ASLU (field modification may be required). One kit required every 96 inches.

**Contains:** (1) Flat Animal Shield (90-552-15655) | (30) 3/8"-16 x 1.69" GRS Screw (1-0049-X) | (30) 3/8" Stainless Steel Nut (HB537)
TO PLACE YOUR ORDER CALL 888-333-3422  VISIT AMERISTARFENCE.COM
E. Steel material for plated & bury posts 3”x6”x.1875” wall., 6”x6”x.1875” wall., shall be hot-dip galvanized to meet the requirements of ASTM A123/A123M with a minimum zinc coating weight of 1.7 oz/ft², Coating Thickness Grade 75.

F. Steel material for rails 2”x2”x16ga. shall be hot-dip galvanized to meet the requirements of ASTM A653/A653M with a minimum zinc coating weight of 1 oz/ft², Coating Designation G100.

G. Rails shall be a minimum 2” sq. x 16 Ga. and shall run continuous along front face of Matrix Alpha fence system. Rail changes in grade and direction shall be accomplished by Matrix Alpha hinged bracket. Hinged bracket shall fully engage each end of rail. Rail sections shall be joined by internal rail splice and secured using fastener. Rail to post attachment brackets shall be a minimum .875” wide x 14ga.

H. Fence post shall meet the minimum system requirements. Post options include 4” sq x 11ga, 3” x 6” x 14ga, 3” x 6” x.1875” or 6” sq x .1875”. Post size shall be based upon system design requirements.

I. The cross-sectional shape of the t-track shall conform to the manufacturer's mesh trim design with outside cross-section nominal dimensions of 3.5” x .5” minimum. Aluminum material for t-track shall conform to the requirements of ASTM B221, alloy designation 6063-T5.

J. Matrix Alpha mesh filler material shall comply with one of the options listed in Table 1.

2.03 FABRICATION

A. Posts shall be pre-cut to specified lengths. Rails shall be pre-cut to manageable length and adjoined using splice coupling and fastener.

B. T-track cover shall be precut to specified lengths and pre-drilled for mesh attachment. T-track shall be affixed vertically to mesh to accommodate the joining of specified filler material.

C. Mesh filler panels shall be pre-cut to match fence height. Each mesh panel shall be affixed to top rail using a minimum of 2 infill hanger brackets. Mesh infill shall be affixed at each remaining rail, minimum of 3 connection points per mesh panel at middle and bottom rails.

D. Integrated technology post shall be pre-manufactured with access ports strategically located and have predrilled holes for attachment. Technology post base shall be a minimum 6” x 6” square, nominally 18 feet above grade.

E. Pedestrian swing gates shall match fence system. Gate shall be pre-drilled to accept appropriate hardware set. Infill frames shall be fabricated as a single unit. Frame shall be of welded construction inset with mesh filler, attachment to gate frame by means of security fasteners. Gate jamb frame shall be fully welded consisting of 3” x 12ga square tubing for main jamb, 1” square gate stop, and strike mounting block, with gate stop bumpers. Jamb to include an electrical access point with conduit point of connection. Electrical connection to gate by means of Power Transfer connection mounted in jamb and gate. Gate shall be pre-assembled. Gate threshold to be mounted with fasteners allowing for placement below grade or removal after gate installation. Gate hardware to consist of exterior rated devices. Gate and hardware to be pre-assembled prior to shipping. Gate opening shall be designed to accommodate a 48” clear opening.

F. Sliding cantilever gates shall match fence system. Dual enclosed track slide gate shall be an aluminum component design using tracks, uprights, mesh filler, hardware, fittings, and fasteners. Gate installation shall comply with latest ASTM F2200 standards for automated gates, regardless if the gate is of manual operation.

G. Optional – Animal mitigation shield shall be securely mounted to top portion of fence and gate system. Animal shield shall provide positive deterrent from nuisance animals intruding into protected areas. System shall be installed along the upper most portion of the fence and gate system and throughout the entire perimeter including all corners and/or changes in fence direction. Animal mitigation system shall be evaluated and recommended by an accredited herpetologist for mitigating intrusion of nuisance animal’s i.e. snakes, raccoons, squirrels, iguanas, rodents of unusual size, possums, cat species & nutria.

H. Optional – Barbwire deterrent shall be installed at top of fence and gate system. Barbwire deterrent shall have a minimum of 3 strands and be affixed to barb arms. Barb arms shall be securely attached to each line and terminal posts.
I. Optional – Spike Deterrent Strips shall be securely attached to the top of fence and gate system. Spike Deterrent strips shall be 12ga. (0.075") galvanized steel, spike sets shall alternate between two heights every 2 inches, spike set heights shall be 2.75 inches and 3.5 inches. Spike deterrent strips shall affix atop fence and gate system not exceeding a distance between each strip section of 2 inches.

PART 3 - EXECUTION
3.01 PREPARATION
All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 FENCE INSTALLATION
Fence post shall be spaced to meet system requirements. Fence posts shall not exceed 12 feet on center. Fence framework and mesh filler shall be attached to system posts with fasteners supplied by the manufacturer. Posts shall be installed per system drawings (Note: In some cases, local restrictions of freezing weather conditions may require a greater depth). The “Earthwork” and “Concrete” sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.03 FENCE INSTALLATION MAINTENANCE
When cutting/drilling steel and aluminum system components, adhere to the following steps to seal exposed surfaces; 1) Remove all metal shavings from cut area. 2) Apply fence system manufacturer provided zinc-rich paint to thoroughly cover cut edge and/or drilled hole; let dry. Failure to seal exposed surfaces per these steps above will negate warranty. Use of non-Ameristar parts or components will negate the manufacturers' warranty.

3.04 GATE INSTALLATION
Gate posts shall be spaced according to the manufacturers’ gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. The manufacturers’ gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer's recommendations.

3.05 CLEANING
The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-Span™</td>
<td>Expanded Metal Mesh</td>
<td>.5&quot; x 12R (.188 strand width) Modified - (73% screening) / ASTM F2548</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.5&quot; x #13R - (43% screening) / ASTM F2548</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.75&quot; x #9F (37% screening) / ASTM F2548</td>
</tr>
<tr>
<td>X-Screen™</td>
<td>Louvered Mesh (Steel)</td>
<td>1.5&quot; x #14 (94% screening)</td>
</tr>
<tr>
<td>WireWorks™</td>
<td>Welded Wire Mesh</td>
<td>.5&quot; x 3&quot; x 8ga. (36% screening) / ASTM F2453/F2453M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.5&quot; x 3&quot; x 6ga. (43% screening) / ASTM F2453/F2453M</td>
</tr>
</tbody>
</table>
Matrix Alpha Perimeter Enclosure Grid Fence System by Ameristar® is manufactured from the highest quality materials by skilled craftsmen to meet the highest standards of workmanship in the industry.

The galvanized surface on all mesh and framework (i.e. rails and posts) by Ameristar is guaranteed under normal and proper usage, against corroding for a period of ten (10) years from the original purchase date (minimum threshold of 5% surface affected on overall project). Normal and proper usage does not include physical damage, abrasion or exposure to salty environments to the protective coating.

Matrix Alpha Perimeter Enclosure Grid Fence System is also guaranteed for the same period of time against defects in workmanship or materials.

Should any fence mesh or framework manufactured by Ameristar fail in accordance with any of the above conditions, Ameristar warrants to the original purchaser their redemption through replacement, renewal or issuance of a pro-rated credit. The decision as to which method of redemption is allowed is solely at the discretion of Ameristar.

If pro-rated allowance is the chosen alternative, the amount will be based on the total number of years under warranty from date of purchase to date of claim, based on the original cost of framing materials found to be defective. Notice of failure under the conditions of this warranty shall be sent to Ameristar or its authorized representative, in writing, together with proof of purchase and shall specify the nature of the defect and when it was first observed. When cutting, drilling or modifying Matrix Alpha components immediately seal the exposed surfaces by 1) Removing all metal shavings from cut area, 2) Apply two (2) coats of zinc finish (finish paint must have a minimum 69% zinc) to thoroughly cover cut edge and/or drilled areas; let dry.

Failure to seal exposed surfaces per steps the above steps will negate warranty. If the contractor uses non Ameristar parts/components this will negate the warranty. Should the fence be improperly installed, Ameristar shall not be responsible for guaranteed performance or appearance of the material. Neither does this guarantee apply when failure or damage is due to improper use or application, abuse or misuse, salty environments, vandalism or acts of God. Ameristar reserves the right to inspect the material to determine validity of the claim.

Upon validation of the claim by Ameristar or its authorized representative, redemption by replacement, renewal or issuance of a pro-rated credit shall be made by Ameristar. Reimbursement for the costs of removal and installation of materials are not included in the guarantee, nor will Ameristar provide those services.

The above constitutes the complete warranty by the manufacturer. No other agreement, written or implied, is valid. Ameristar does not authorize any other person or agent to make any other express warranties. Ameristar neither assumes nor authorizes any other person or agent to assume any other liability in connection with Matrix Alpha Perimeter Enclosure Grid Fence System. Some jurisdictions do not allow limitations on how long an implied warranty lasts, nor do they allow an exclusion or limitation of incidental or consequential damages; therefore, the limitations and exclusions noted herein may not apply.