Angle Wall Assembly

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-13015-R</td>
<td>1</td>
<td>Corner Goal, Lower Frame</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>GE-15002</td>
<td>1</td>
<td>Angle Wall Plastic 1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>GE-15004</td>
<td>1</td>
<td>Tote Slide Assembly</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>GE-15010</td>
<td>1</td>
<td>Litter Slide</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GE-15011</td>
<td>1</td>
<td>Litter Slide Cover</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>GE-15012</td>
<td>2</td>
<td>Vertical Support, Angle Wall</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>GE-15013</td>
<td>2</td>
<td>Horizontal Brace, Angle Wall</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>GE-15024</td>
<td>1</td>
<td>Litter Guard</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>GE-15034</td>
<td>1</td>
<td>Tote Chute Door Assembly</td>
<td></td>
</tr>
</tbody>
</table>
Step 1 - Place two (2) GE-15013 pipes onto two (2) GE-15012 Assemblies as shown.

Step 2 - Lower the assembly from Step 1 into the vertical tubes of GE-13015-R. GE-13015-R should already be assembled into the field border.
Step 3 - Fasten GE-15002 and GE-15034 to the frame, making sure that GE-15034 is closest to the center of the field and GE-15002 is closest to the End Panel. Chute door handles should be on the outside of the field.

Use cable ties to fasten GE-15002 and GE-15034 to the frame - 20 places.
Step 4 - Slide GE-15010 onto GE-15034, making sure that the holes line up. Use a cable tie to fasten GE-15010 to GE-15034.

Step 5 - Place GE-15011 onto GE-15010 as shown, making sure that the holes line up. Use one (1) cable tie per side to hold GE-15011 in place. Velcro GE-15024 to GE-15011.

Using 1" Hook and Loop, attach GE-15024 to GE-15011 as shown.
Step 7 - Place Assembled GE-15004 into the large hole in GE-15034, making sure that the Tote Slide is tight against the Polycarbonate wall. Detail C, D and E show proper alignment of GE-15004.
Angle Wall Assembly

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-13015-L</td>
<td>1</td>
<td>Corner Goal, Lower Frame</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>GE-15002</td>
<td>1</td>
<td>Angle Wall Plastic 1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>GE-15004</td>
<td>1</td>
<td>Tote Slide Assembly</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>GE-15010</td>
<td>1</td>
<td>Litter Slide</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GE-15011</td>
<td>1</td>
<td>Litter Slide Cover</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>GE-15012</td>
<td>2</td>
<td>Vertical Support, Angle Wall</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>GE-15013</td>
<td>2</td>
<td>Horizontal Brace, Angle Wall</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>GE-15024</td>
<td>1</td>
<td>Litter Guard</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>GE-15034</td>
<td>1</td>
<td>Tote Chute Door Assembly</td>
<td></td>
</tr>
</tbody>
</table>
Step 1 - Place two (2) GE-15013 pipes onto two (2) GE-15012 Assemblies as shown.

Step 2 - Lower the assembly from Step 1 into the vertical tubes of GE-13015-R. GE-13015-R should already be assembled into the field border.
Step 3 - Fasten GE-15002 and GE-15034 to the frame, making sure that GE-15034 is closest to the center of the field and GE-15002 is closest to the End Panel. Chute door handles should be on the outside of the field.

Use cable ties to fasten GE-15002 and GE-15034 to the frame - 20 places.
Step 4 - Slide GE-15010 onto GE-15034, making sure that the holes line up. Use a cable tie to fasten GE-15010 to GE-15034.

Step 5 - Place GE-15011 onto GE-15010 as shown, making sure that the holes line up. Use one (1) cable tie per side to hold GE-15011 in place. Velcro GE-15024 to GE-15011.

Using 1" Hook and Loop, attach GE-15024 to GE-15011 as shown.
Step 7 - Place Assembled GE-15004 into the large hole in GE-15034, making sure that the Tote Slide is tight against the Polycarbonate wall. Detail C, D and E show proper alignment of GE-15004.
Angle Wall Plastic 1

Note:
Material: Clear Polycarbonate, .25" Thick
Qty: 1
Scale: 1:8

REVISION HISTORY

<table>
<thead>
<tr>
<th>ZONE</th>
<th>REV</th>
<th>DESCRIPTION</th>
<th>APPROVED</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-1</td>
<td>1</td>
<td>FIRST Logo Shifted toward the Top</td>
<td>NJS</td>
<td>12/3/14</td>
</tr>
<tr>
<td>C-1</td>
<td>2</td>
<td>FIRST logo changed to 28.5&quot; wide</td>
<td>NJS</td>
<td>12/11/14</td>
</tr>
</tbody>
</table>
Material: Clear Polycarbonate Sheet, .25" Thick
Qty: 1
Scale: 1:8

Note:

ASME STANDARD, INCH

Scale: 1:8
Tote Slide Assembly

### Part List

<table>
<thead>
<tr>
<th>NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15005</td>
<td>Tote slide base</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>GE-15006</td>
<td>Base connector</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>GE-15007</td>
<td>Tote slide leg</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>GE-15008</td>
<td>Tote slide</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>GE-15009</td>
<td>Tote slide cover</td>
<td>1</td>
</tr>
</tbody>
</table>

### Notes

- Tote Slide Assembly
- Scale 5:16
- Unless otherwise specified all dimensions are in inches.
- Tolerances are:
  - X.X ± 0.1
  - X.XX ± 0.01
  - X.XXX ± 0.001
- DO NOT SCALE

---

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Step 1: GE-15005 and GE-15006 are fastened together using 3/16" Domed Rivets.

Rivet head on this surface

Apply 2" Hook to the bottom of GE-15005

Tote Slide Assembly
Step 2: Slide the feet of GE-15007 into the openings of GE-15005.

Step 3: Using four (4) cable ties - two (2) per side - attach GE-15008 to GE-15007.

- Insert feet into slot.
- Cable tie through these holes.

Cable tie here as well as the left side of the ramp.
Step 4: Using four (4) cable ties - two (2) per side - fasten GE-15009 to the outside of both GE-15008 parts.

Cable Tie here and in two (2) places on the other side.
Note:
Material: 5GA, 5052 Aluminum Sheet
Qty: 1
Scale: 3:4
Material: 5 GA, 5052 Aluminum Sheet
Qty: 1
Scale: 1:1
Remove all sharp edges and burrs.
Note:
Material: 5GA, 5052 Aluminum Sheet
Qty: 1
Scale: 1:4

Remove all burrs and sharp edges.
Material: 5052 Aluminum Sheet, .125" Thick
Qty: 1
Scale: 1:4

Note:

Material: 5052 Aluminum Sheet, .125" Thick
Qty: 1
Scale: 1:4

See Detail A
See Detail B
Note:
Material: 5052 Aluminum Sheet, .125" Thick
Qty: 1
Scale: 1:1
Remove all burrs and sharp edges.
Note:
Material: Clear Polycarbonate, .125"
Qty: 1
Scale: 3:4
**Title:** Vertical Support, Angle Wall

**Model Name:** GE-15012

---

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15012-01</td>
<td>1</td>
<td>Vertical Tube</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>GE-15012-02</td>
<td>1</td>
<td>Top Tube</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>GE-15012-03</td>
<td>1</td>
<td>Bottom Tube</td>
<td></td>
</tr>
</tbody>
</table>

---

**Dimensions:**

- (77.5) inches
- 48.5 inches
- (10.0) inches

**Tolerances:**

- X.X +/- 0.1
- X.XX +/- 0.01
- X.XXX +/- 0.001

**Notes:**

- Scale: 1:12
- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

---

**Material:**

- ASME STANDARD, INCH

---

**Scale:** 1:12

---

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Item: GE-15012-01, Vertical Tube
Qty: 1
Material: 1" 6061-T6 Aluminum Schedule 40 Pipe
Scale: 1:2

Item: GE-15012-02, Top Tube
Qty: 1
Material: 1" 6061-T6 Aluminum Schedule 40 Pipe
Scale: 1:2

Item: GE-15012-03, Bottom Tube
Qty: 1
Material: 1" 6061-T6 Aluminum Schedule 40 Pipe
Scale: 1:2

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE
Note:

Material: 1.25" Schedule 40 Aluminum Pipe
Qty: 1
Scale: 1:1
Paint Top surface of Item 1 white.

Attach Items 4 and 5 to Item 3 using #8 x 3/4" long wood screws (Qty. 24)

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15014-01</td>
<td>1</td>
<td>Step Top</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>GE-15014-02</td>
<td>4</td>
<td>Step Support</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>GE-15014-05</td>
<td>2</td>
<td>Step Face</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>GE-15015</td>
<td>1</td>
<td>Step Plastic, Red</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GE-15016</td>
<td>1</td>
<td>Step Plastic, Blue</td>
<td></td>
</tr>
</tbody>
</table>

Attach Items 4 and 5 to Item 3 using #8 x 3/4" long wood screws (Qty. 24)
Notes:
1. Items 4 and 5 have been hidden for clarity.
2. Glue and staple together as necessary.
**Item 1: Top Barrier**  
Qty: 1  
Material: 3/4" Plywood, Painted White

**Item 2: Support, Barrier**  
Qty: 4  
Material: 3/4" Plywood

**Item 3: Step Face**  
Qty: 2  
Material: 3/4" Plywood

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.  
ALL ANGLES ARE TRUE 90 DEGREES  
TOLERANCES ARE:  
X.X +/- 0.1  
X.XX +/- 0.01  
X.XXX +/- 0.001  
ANG +/- 1  
DO NOT SCALE
Notes:
1. Remove all burrs and sharp edges.
2. Material: 1/4" HDPE, Red, Orange Peel
Notes:
1. Remove all burrs and sharp edges.
2. Material: 1/4" HDPE, Blue, Orange Peel
Material: HDPE, .125" Thick, Red, Smooth
Qty: 1
Note:
Material: HDPE, .125" Thick, Blue, Smooth
Qty: 1

Scale 3:8
Scoring Platform

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15019-01</td>
<td>1</td>
<td>Scoring Platform 1</td>
<td>1/2&quot; Plywood</td>
</tr>
<tr>
<td>2</td>
<td>GE-15019-02</td>
<td>3</td>
<td>Scoring Platform 2</td>
<td>3/4&quot; Plywood</td>
</tr>
<tr>
<td>3</td>
<td>GE-15019-03</td>
<td>3</td>
<td>Scoring Platform 2</td>
<td>1/2&quot; Plywood</td>
</tr>
</tbody>
</table>

SCALE 1:8

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001

ANG +/- 1

DO NOT SCALE
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

0.1 ± 0.1

-0.001 ± 0.01

-0.0001 ± 0.001

ANG ± 1

DO NOT SCALE

SCALE 3:64

SCALE 9:64
Note:
PN: GE-15019-01, Scoring Platform 1
Material, Plywood, .5" Thick
Qty: 1
Scoring Platform

Note:
PN: GE-15019-02, Scoring Platform 2
Material, Plywood, .75" Thick
Qty: 3

Note:
PN: GE-15019-03, Scoring Platform 3
Material, Plywood, .5" Thick
Qty: 3
Model Name: GE-15020

Title: Small Scoring Platform

Scale: 1:2

Dimensions:
- 16.0° TYP
- 1.00
- 4.00
- 5.00
- 22.00
- 1.75

Tolerances:
- X.X +/- 0.1
- X.XX +/- 0.01
- X.XXX +/- 0.001
- ANG +/- 1

Unless otherwise specified, all dimensions are in inches. Tolerances are in inches.

DO NOT SCALE
NOTE
PN: GE-15020-01, Small Scoring Platform 1
Material: Plywood, .5" Thick
Qty: 1
NOTE

PN: GE-15020-01, Small Scoring Platform 2
Material: Plywood, .75" Thick
Qty: 3

NOTE

PN: GE-15020-01, Small Scoring Platform 3
Material: Plywood, .5" Thick
Qty: 3
### Backstop Bracket

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15021-01</td>
<td>1</td>
<td>Backstop Bracket 1</td>
<td>5052 Aluminum Sheet, 6 Gage (.162&quot;)</td>
</tr>
<tr>
<td>2</td>
<td>GE-15021-02</td>
<td>2</td>
<td>Backstop Bracket 2</td>
<td>5052 Aluminum Sheet, .25&quot;</td>
</tr>
</tbody>
</table>

**Dimensions:**
- Tolerances: X.X +/- 0.1
- X.XX +/- 0.01
- X.XXX +/- 0.001
- ANG +/- 1

**Scale:** 1:1
NOTE:
Scale: 7:8
Tap Holes after Welding.
Note:
GE-15021-01, Backstop Bracket 1
Material: 5052 Aluminum, 6 Gage (.162")
Qty: 1
Scale: 1:2
Remove all sharp edges and burrs.
Tap holes after welding.
GE-15021-02, Backstop Bracket 2
Material: 5052 Aluminum Sheet, .25" Thick
Qty: 2
Scale: 2:1

Remove all sharp edges and burrs.
Tap holes after welding.
**Title**: Backstop Base

**Model Name**: GE-15022

**Dimensions**: All dimensions are in inches.

**Tolerances**:
- X.X ± 0.1
- X.XX ± 0.01
- X.XXX ± 0.001
- ANG ± 1

**Material**:
- 5052 Aluminum Sheet, .25"
- Schedule 40 Aluminum Pipe, 1"

**Parts List**:

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15022_01</td>
<td>1</td>
<td>Backstop Base 1</td>
<td>5052 Aluminum Sheet, .25&quot;</td>
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<tr>
<td>2</td>
<td>GE-15022_02</td>
<td>2</td>
<td>Backstop Base 2</td>
<td>Schedule 40 Aluminum Pipe, 1&quot;</td>
</tr>
</tbody>
</table>

**Scale**: 3:8
DO NOT SCALE

Scale 3:8

Backstop Base

1.88

16.25

(1.88)

2X .83

.125

Scale 1:6

Sheet 2 of 3
Backstop Base

Scale 1:4

Note:
PN: GE-15022-01, Backstop Base 1
Material: 5052 Aluminum Sheet, .25"
Qty: 1

Note:
PN: GE-15022-02, Backstop Base 2
Material: Schedule 40 Aluminum Pipe, 1"
Qty: 2
Note

Finish - Parts will be powercoated black and white. Dimensions for coloring are shown on page 2.

<table>
<thead>
<tr>
<th>ITEM NO</th>
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<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15023-01</td>
<td>2</td>
<td>Backstop 1</td>
<td>Aluminum Schedule 40 Pipe, 1.25&quot;</td>
</tr>
<tr>
<td>2</td>
<td>GE-15023-02</td>
<td>1</td>
<td>Backstop 2</td>
<td>Aluminum Schedule 40 Pipe, 1.25&quot;</td>
</tr>
<tr>
<td>3</td>
<td>GE-15023-03</td>
<td>12</td>
<td>Backstop Tape</td>
<td>White Tape / Paint Line</td>
</tr>
</tbody>
</table>

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001

ANG +/- 1

DO NOT SCALE
SCALE 3:16

Note

All 2" sections called out by dimensions to be colored White.

All other sections to be colored Black.

Backstop
Notes:
1. Material: 1/8" thk clear polycarbonate.
2. Remove all burrs and sharp edges.
Note: Adhere and staple all velcro to the plywood.

Note: Clean all plastic prior to applying velcro
2" White Gaffers tape, 1" on top of platform, 1" on ramp, full length, around the entire platform.

2" White Gaffers tape, 1" on Carpet, 1" on scoring platform, full length, around the entire perimeter.

2" White Gaffers tape, 1" on both sides of the gaps called out.
Note:
Material: HDPE, .25" Thick, White, Orange Peel
Remove all burrs and sharp edges
Note:
Material: HDPE, .25" Thick, White, Orange Peel
Remove all burrs and sharp edges
Note:
- Material: HDPE, .25" Thick, White, Orange Peel
- Remove all burrs and sharp edges
Note:

Material: HDPE, .25" Thick, White, Orange Peel
Remove all burrs and sharp edges
Note:
Material: HDPE, .25" Thick, White, Orange Peel
Remove all burrs and sharp edges
Tote Chute Door Assembly

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GE-15003</td>
<td>1</td>
<td>Angle Wall Plastic 2</td>
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</tr>
<tr>
<td>2</td>
<td>GE-15035</td>
<td>1</td>
<td>tote chute door</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>GE-15036</td>
<td>2</td>
<td>tote chute door slide</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>GE-15037</td>
<td>2</td>
<td>tote chute door spacer</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GE-15038</td>
<td>2</td>
<td>Handle, McMaster #: 57455K71</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>HW-00082</td>
<td>2</td>
<td>FHCS 1/4-20 x .625&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Attach Items 3 and 4 to Item 1 with 3/16" Domed Rivet. Item 2 should be able to slide up and down freely. 12 Places.
1/4-20 UNC - 2B TAP 0.482
#7 DRILL (0.201)  THRU -(1) HOLE

1/4-20 UNC - 2B TAP 0.482
#7 DRILL (0.201)  THRU -(1) HOLE

Note:
Material: Clear Polycarbonate, .25" Thick
Remove all burrs and sharp edges
Note:

Material: Clear Polycarbonate Sheet, .25" Thick
Quantity: 1
Material: Delrin Acetal Resin Sheet, .375"
Qty: 1

Note

Tote Chute Door Spacer