The image contains a technical drawing of a shelf, end panel. The drawing includes dimensions and notes such as "9.17 [232.9 mm] 4 Places" and "46.34 [1177.0 mm]". The parts list includes:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>FE-00101-01</td>
<td>Long Sides</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>FE-00101-02</td>
<td>Short Sides</td>
</tr>
</tbody>
</table>

Additional notes indicate tolerances and angular specifications. The drawing is dated 10/25/2012 and is part of the FIRST project, with the address and phone number provided as well.
Item: 1, FE-00101-01, Long Sides
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

Item: 2, FE-00101-02, Short Sides
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

Φ1.66 (42.2 mm)
Φ1.38 (35.1 mm)

Φ0.27 (6.7 mm) Thru 2 Places
R 8.83 2 Places
REVISION HISTORY

ZONE  REV  DESCRIPTION  DATE  APPROVED
B-3   1  Changed hole position from 2.87" to 2.13" on sheet 4  10/29/2012  MLC

PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>FE-00102-01</td>
<td>Insert Mount</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>FE-00102-02</td>
<td>Insert</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>FE-00102-03</td>
<td>Vertical Supports</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>FE-00102-04</td>
<td>Horizontal Support</td>
</tr>
</tbody>
</table>

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906  --  FAX (603) 666-3907

DRAWN BY:  10/25/2012
CHECKED:  UNLESS OTHERWISE SPECIFIED
TOLERANCES: (INCHES)
FRAC. +/- 1/32
.00  +/- 0.001
.000 +/- 0.0005
ANGULAR +/- 25 Deg.

SHEET 1 OF 5

Title: Shelf Support, Inner

SIZE  SWG NO  REV
C  FE-00102  1
NOTE:
1.) Weld item #1 and #2 together first

<table>
<thead>
<tr>
<th>PARTS LIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITEM</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
</tbody>
</table>
Item: 1, FE-00101-01, Insert Mount
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

Item: 2, FE-00103-02, Insert
Material: 1" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2
Item: 3, FE-00103-03, Vertical Support
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/2
QTY: 2

Item: 4, FE-00103-04, Horizontal Support
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 1

R.83 [21.1 mm]
2 Places
PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
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<td>2</td>
<td>FE-00103-01</td>
<td>Insert Mount</td>
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<tr>
<td>2</td>
<td>2</td>
<td>FE-00103-02</td>
<td>Insert</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>FE-00103-03</td>
<td>Vertical Support</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>FE-00103-04</td>
<td>Horizontal Support</td>
</tr>
</tbody>
</table>

TOLERANCES: (INCHES)

- FRAC: +/- 1/32
- .00: +/- .01
- .005: +/- .005
- ANGULAR: +/- .25 Deg.
NOTE:
1.) Weld item #1 and #2 together first
Item: 1, FE-00103-01, Insert Mount
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

Item: 2, FE-00103-02, Insert
Material: 1" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2
Notes:
2. Remove all burrs and sharp edges.
3. Finish: none
Clamping Angle

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAC.</td>
<td>+/- 1/32</td>
</tr>
<tr>
<td>.00</td>
<td>+/- .01</td>
</tr>
<tr>
<td>.000</td>
<td>+/- .005</td>
</tr>
<tr>
<td>ANGULAR</td>
<td>+/- .25 Deg.</td>
</tr>
</tbody>
</table>

200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907
SLOT DIMENSIONS

NOTE:
1.) Material: 1/4" Clear Polycarbonate
2.) Remove all burrs and sharp edges
NOTE:
1.) Material: 1/4" Clear Polycarbonate
2.) Remove all burrs and sharp edges
NOTE:
1.) Material: 1/8" HDPE (red or blue)
2.) Remove all burrs and sharp edges
NOTE:
1.) Material: 1/8" HDPE (red or Blue)
2.) Remove all burrs and sharp edges
**NOTE:**
1. Material: 1/8" HDPE (red or blue)
2. Remove all burrs and sharp edges
DETAIL A  
SCALE 1/1
Item: 1 GE-13014-01, Sides
Resource: 1
Scale: 1/1
QTY: 2

Item: 2, GE-13014-02, Top
Scale: 1/1
QTY: 1
RESOURCE

<table>
<thead>
<tr>
<th>Resource</th>
<th>Material</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3' x 3' x 1/4&quot; 6061 Aluminum Angle</td>
<td>7-1/2 Feets</td>
</tr>
<tr>
<td>2</td>
<td>1-1/4 Schedule 40 Aluminum Tube</td>
<td>12- 1/2 Feets</td>
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</tbody>
</table>

PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>GE-13015-01</td>
<td>Bottom Rail, Field Rail</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>GE-13015-02</td>
<td>Top Rail</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>GE-13015-03</td>
<td>Attachment Tube, Short</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>GE-13015-04</td>
<td>Attachment Tube, Long</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>GE-13015-05</td>
<td>Vertical Sides</td>
</tr>
</tbody>
</table>

DRAWN BY: 9/18/2012
CHECKED: 9/18/2012

UNLESS OTHERWISE SPECIFIED
TOLERANCES: (INCHES)

FRAC. +/- 1/32
0.00 +/- .01
0.000 +/- .005
ANGULAR +/- .25 Deg.

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906  --  FAX (603) 666-3907

TITLE: Corner Goal, Lower Frame, Left

SIZE C
SWG NO GE-13015
REV 1
SCALE
SHEET 1 OF 3
NOTE:
1.) Weld not to penetrate into tube (Item #5)
NOTE:

1. Weld not to penetrate into tube (item #3 & 4)
Item: 4, GE-13015-04, Attachment Tube, Long
Resource: 2
Scale: 1/1
QTY: 1

Item: 5, GE-13015-05, Vertical Sides
Resource: 2
Scale: 1/1
QTY: 2

Item: 3, GE-13015-03, Attachment Tube, Short
Resource: 2
Scale: 1/1
QTY: 2
RESOURCES

<table>
<thead>
<tr>
<th>Resource</th>
<th>Material Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3&quot; x 3&quot; x 1/4&quot; 6061 Aluminum Angle</td>
<td>7-1/2 Feet</td>
</tr>
<tr>
<td>2</td>
<td>1-1/4 Schedule 40 Aluminum Tube</td>
<td>12-1/2 Feet</td>
</tr>
</tbody>
</table>

PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>GE-13015-01</td>
<td>Bottom Rail, Field Rail</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>GE-13015-02</td>
<td>Top Rail</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>GE-13015-03</td>
<td>Attachment Tube, Short</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>GE-13015-04</td>
<td>Attachment Tube, Long</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>GE-13015-05</td>
<td>Vertical Sides</td>
</tr>
</tbody>
</table>

TITLE
Corner Goal, Lower Frame Right

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

DRAWN BY: 9/20/2012
CHECKED:  

TOLERANCES: (INCHES)
- FRAC. +/- 1/32
- 0.00 +/- 0.01
- 0.000 +/- 0.005
- ANGULAR +/- 0.25 Deg.
Step 1
1. Assemble components as shown. Make two identical assemblies.

Step 2
1. Take the two assemblies from Step 1 and put them together as shown.

Step 2
1. Take the assembly from Step 2. Lift each leg off of the ground and place a base underneath it as shown.
2. Lower Item 1 over the top of the pyramid.
-2X Ø0.31
Using Item 1 as a guide, drill through Item 2 after assembly.

SECTION A-A
SCALE 1 / 4
NOTE:
1.) Finish: Powder Coat outside of tubes only, Red PMS #485 or Blue PMS #286
Gusset plate to be welded on centerline of tube

SECTION A-A
SCALE 1/3

NOTE:
- Make all dimensions
- Rem. all detail

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906  FAX (603) 666-3907

DRAWN
10/3/2012

CHECKED

TITLE
Cap, Pyramid

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)
FRAC. +/- 1/32
.00  +/- .01
.000  +/- .005

ANGULAR  +/- .25 Deg.

SIZE
C

SWG NO
GE-13018

REV
3

SCALE

SHEET 2 OF 6
**Item:** 1, GE-13018-01, Mounting Tubes  
**Material:** 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube  
**Scale:** 1/1  
**QTY:** 4

**Item:** 2, GE-13018-02, Horizontal Center Tube  
**Material:** 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube  
**Scale:** 1/1  
**QTY:** 1

**Item:** 3, GE-13018-03, Center Tube  
**Material:** 1" Schedule 40, A500 steel tube  
**Scale:** 1/1  
**QTY:** 1
**Item**: 5, GE-13018-04, Horizontal Tube  
**Material**: 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube  
**Scale**: 1/1  
**QTY**: 8

---

**Item**: 4, GE-13018-05, Gusset Plate  
**Material**: 1/4" thick, 1018 steel plate  
**Scale**: 1/1  
**QTY**: 8
NOTE:
1.) Finish: Powder Coat, Red PMS #485 or Blue PMS #286
Item: GE-13019-01, Short Insert
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 1

Item: GE-13019-02, Long Insert
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 1

Pyramid Leg, Base
Item: 3 GE-13019-03, Outer Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural Steel Round Tube
Scale: 1/1
QTY: 1
NOTE:
1.) Finish: Powder coat outside of tube only, Red PMS #485 or Blue PMS #286
 SECTION A-A
SCALE 1/1.5
Item: 1, GE-13020-01, Corner Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 2

Item: 3, GE-13020-03, Center Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 1

Item: 2, GE-13020-02, Gasket
Material: 1/4" thick, 1018 Steel Plate
Scale: 1/1
QTY: 1
Item: 4, GE-13020-04, Tube Stop
Material: 31 OD, 1018 Steel Round Bar
Scale: 1/1
QTY: 1

Item: 5, GE-13020-05, Inner Tube
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 2
NOTE:
1.) Finish: Powder coat Red PMS #485 or Blue PMS #286
**Item:** 1, GE-13021-01, Horizontal Bar
**Material:** 1-1/2" x .063" Wall thickness, 1020 DOM Structural steel round tube
**Scale:** 1/1
**QTY:** 1

**Item:** 2, GE-13021-02, Insert
**Material:** 1" Schedule 40, A500 steel tube
**Scale:** 1/1
**QTY:** 2
NOTE:
1.) Finish: Powder coat outside of tube only, Red PMS #485 or Blue PMS #286
**Item:** 1, GE-13022-01, Corner Tube
**Material:** 1-1/2" x .083" wall thickness, 1020 Structural steel round tube
**Scale:** 1/1
**QTY:** 2

**Item:** 2, GE-13022-02, Gusset
**Material:** 1/4" Thick, 1018 Steel Plate
**Scale:** 1/1
**QTY:** 1
Item: 3, GE-13022-03, Center Tube
Material: 1-1/2' x .083' wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 1

Item: 4, GE-13022-04, Tube Stop
Material: .31' OD, 1018 Steel Round Bar
Scale: 1/1
QTY: 1
NOTE:
1.) Finish: Powder coat Red PMS #485 of Blue PMS #286
**Item:** 1, GE-13023-01, Horizontal Bar  
**Material:** 1-1/2" Schedule 40, A500 steel tube  
**Scale:** 1/1  
**QTY:** 1

**Item:** 2, GE-13023-02, Insert  
**Material:** 1" Schedule 40, A500 steel tube  
**Scale:** 1/1  
**QTY:** 2
Apply 2" hook velcro, adhesive backed, to Item 2 as shown.
Item: 1, GE-13025-01, Base Plate
Material: 11 GA ASTM A366 Cold Rolled Steel Sheet
Scale: 1/4
QTY: 1

Item: 2, GE-13025-02, Mounting Bracket
Material: 7 GA ASTM A366 Cold Rolled Steel Sheet
Scale: 1/4
QTY: 1

Item: 1, GE-13025-01, Base Plate
Material: 11 GA ASTM A366 Cold Rolled Steel Sheet
Scale: 1/4
QTY: 1

Item: 2, GE-13025-02, Mounting Bracket
Material: 7 GA ASTM A366 Cold Rolled Steel Sheet
Scale: 1/4
QTY: 1

R.19 [4.8 mm]
R.25 [6.4 mm]

24.00 [609.6 mm]
1.25 [31.8 mm]
1.00 [25.4 mm]

.27 [6.7 mm] Thru.
Tubes to be flush

∅.27 Thru Drill Hole after welding
Item: 1, GE-13026-01, Outer Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural Steel Round Tube
Scale: 2:1
QTY: 1

Item: 2, GE-13026-02, Inner Tube
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 1
Step 1
1. Add vision target material to the front of ONE of Item 1.
2. Add velcro to the back of Item 1 as shown. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used (such as rivets or bolts).
3. Attach FIRST logo as shown. Logo has no functional purpose, it is cosmetic only.

Step 2
1. Add vision target material to the front of the other Item 1.
2. Add velcro to the back of Item 1 as shown. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used (such as rivets or bolts).

Step 3
1. Apply loop velcro to Item 3 as shown. Please note that there is a left and right version of the velcro per goal assembly.
Step 4

1. Bolt Items 7 and 8 to Item 6.
2. Add velcro to the frames as indicated. Velcro is used to aid in assembly and disassembly of GE-13027. A more permanent means of attachment may be used.

Step 5

1. Fasten Items 2 and 4 together using Item 12.
2. Attach Chain to Item 12 using zip-ties or carabiners. Chain is 2/0 twisted link machine chain, bright finish. Any chain of similar weight may be substituted.
3. Thread Item 13 into lowest links of chain, secure stops to lock chain into place.
Step 6
1. Pass Item 5 through the available holes in Item 9 as shown. Item 5 should be protruding approximately 2" from each side of Item 9.

Step 7
1. Attach goal plastic to the goal frame as shown.
Step 8
1. Take the assembly from Step 6 and place the tube into the slots of Item 3 as shown. Note that the bottom angle will be inside the side frames as shown in Detail B.

Step 9
1. Take the assembly from Step 5 and place it on the assembly from Step 8. The velcro on the bottom surface of the plastic should line up to the velcro on the gola fram. Chains should hang freely.
Step 1
1. Add vision target material to the front of Item 1.
2. Add velcro to the back of Item 1. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used.

Step 2
1. Bolt Items 5 and 6 to Item 7.
2. Add velcro to the frames as indicated. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used.
Step 3
1. Fasten Items 2 and 4 together using Item 12.

2. Attach Chain to Item 12 using zip-ties or carabiners. Chain is 2/0 twisted link machine chain, bright finish. Any chain of similar weight may be substituted.

3. Thread Item 13 into the lowest links of the chain, secure stops to lock chain into place.

Step 4
1. Pass Item 8 through the available holes in Item 9 as shown. Item 8 should be protruding approximately 2" from each side of Item 9.
Step 5
1. Apply loop velcro to Item 3 as shown. Please note that there is a left and right version of the velcro per goal assembly.

Step 6
1. Attach goal plastic to the goal frame as shown.
Step 7

1. Take the assembly from Step 4 and place the tube into the slots of Item 3 as shown. Note that the bottom angle will be inside the side frames as shown in Detail B.

Step 8

1. Take the assembly from Step 3 and place it on the assembly from Step 7. The velcro on the bottom surface of the plastic should line up to the velcro on the goal frame. Chains should hang freely.
Notes:

1. Material: 1/2" Electrical Metallic Tubing (EMT) IT (IMC)
2. Remove all burrs and sharp edges.
Notes:
1. Material: 1/4" thick white HDPE
2. Remove all burrs and sharp edges
Notes:
1. Material: 1/8" thick clear polycarbonate
2. Remove all burrs and sharp edges
Apply 1" loop velcro to edges of Item 1 as shown

Step 1
1. Apply loop velcro to Item 3 as shown. Please note that there is a left and right version of the velcro per goal assembly.

Step 2
1. Bolt Items 3 and 4 to Item 2.
2. Add velcro to the frames as indicated. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used.
**Step 3**

1. Fasten Items 6 and 7 together using Item 11.

2. Attach Chain to Item 11 using zip-ties or carabiners. Chain is 2/0 twisted link machine chain, bright finish. Any chain of similar weight may be substituted.

3. Thread item 12 into lowest links of chain, secure stops to lock chain into place.

**Step 4**

1. Pass Item 5 through the available holes in Item 8 as shown. Item 5 should be protruding approximately 2" from each side of Item 8.

---

Apply 1" loop velcro to this edge of Item 4 as shown (both ends)

Approximate Chain Length
Step 5
1. Insert Item 1 into the frames as shown.
2. Take the assembly from Step 4 and place the tube into the slots of Item 1 as shown. Note that the bottom angle will be inside the side frames as shown in Detail B.

Step 6
1. Take the assembly from Step 3 and place it on the assembly from Step 5. The velcro on the bottom surface of the plastic should line up to the velcro on the goal frame. Chains should hang freely.
Parts List

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>GE-13033-01</td>
<td>Vertical Support</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>GE-13033-02</td>
<td>Cross Bar Mount</td>
</tr>
</tbody>
</table>

First

200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

Title: F - Frame

Scales: C

Revision: 1

Sheet 1 of 3
Item: 1, GE-13033-01, Cross Bar Mount
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

Item: 2, GE-13033-02, Vertical Support
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 1
Item: 1, GE-13034, Cross Bar, Corner Goal
Material: 1" Schedule 40, 6061-T6 Aluminum
Scale: 1/1

Diameter: Ø1.32 [33.4 mm]
Ø1.05 [26.6 mm]

82.50 [2095.5 mm]

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

Cross Bar, Corner Goal

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SWG NO</th>
<th>REV</th>
<th>SCALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>GE-13034</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOLERANCES: (+/-)
- FRAC.: +/- 1/32
- .00: +/- .01
- .000: +/- .005
- ANGULAR: +/- .25 Deg.
Note:
1.) Material: 1/4" Clear Polycarbonate
2.) Remove all burrs and sharp edges
NOTE:
1.) Material: 1/4" HDPE, red (PMS #485) or Blue (PMS #286)
2.) Remove all burrs and sharp edges
NOTES:
1.) Material: 5052-H32 Aluminum Sheet .125" Thick
2.) Remove all burrs and sharp edges
NOTES:
1.) Material: 5052-H32 Aluminum Sheet .125" Thick
2.) Remove all burrs and sharp edges
Notes:

1. Material: 6061 Aluminum
2. Remove all burrs and sharp edges
Notes:

1. Material: 1-1/2" Steel DOM tubing, .083 wall thickness
2. Cover pole with Reflexite Retroreflective Fabric.
Notes:
1. Material: Clear Polycarbonate, .25" thick.
2. Remove all burns and sharp edges.

---

**FIRST**
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

**Side Plastic, Pyramid Goal**

<table>
<thead>
<tr>
<th>DRAWN</th>
<th>11/11/2012</th>
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</thead>
<tbody>
<tr>
<td>dFoster</td>
<td>CHECKED</td>
</tr>
</tbody>
</table>

**TOLERANCES (INCHES):**

- **FRAC.**: +/- 1/32
- **.00**: +/- .01
- **.000**: +/- .005
- **ANGULAR**: +/- .25 Deg.
Notes:

2. Remove all burrs and sharp edges.
Step 1
1. Fasten Items 2 and 8 together using Items 10 and 12.
2. Insert the assembly in to the reflective pole. Push firmly.

17" lengths of chain. 8 pieces total.

Step 2
1. Attach Chain to Item 2 using zip-ties or carabiners. Chain is 2/0 twisted link machine chain, bright finish. Any chain of similar weight may be substituted.

Step 3
1. Fasten Items 6 and 9 together using Items 10 and 11. Do not tighten completely. Pieces need to be able to freely slide back and forth.
2. Attach Item 7 using hardware provided with magnet.
3. Make two identical assemblies.
Step 4

1. Attach the assemblies from Step 3 to the pyramid top using Items 3, 10 and 12.

2. Apply four, 4" wide strips of reflective material to the pyramid top as shown.

Step 5

1. Place the assembly from Step 2 on to the center pole of the pyramid top as shown.

2. Attach four of Item 5 to the pyramid top using zip ties at the available locations.
Notes:
1. Material: 1/4" thick, Clear Polycarbonate
2. Remove all burrs and sharp edges
A \[ 0.60 \ (15.2 \text{ mm}) \] Thru 2 Places

B

- \[ 0.00 \ (0.0 \text{ mm}) \]
- \[ 2.00 \ (50.8 \text{ mm}) \]
- \[ 10.00 \ (254.0 \text{ mm}) \]
- \[ 12.00 \ (304.8 \text{ mm}) \]
Step 1
1. Apply 2" wide gaffers tape to Item 1 as shown. Tape will be either red or blue depending on corner.

Step 2
1. Apply 2" wide gaffers tape to Item 6 as shown. Tape will be either red or blue depending on corner.

Step 3
1. Insert Item 2 into Item 3 as shown.
2. Take two Item 5's. Insert them into one Item 4 as shown. Take another Item 4 and put it on to the other ends of the Item 5's. Lower the four assembled pieces on to Item 2.
Step 4
1. Apply 1" loop velcro, adhesive backed, to the edges of Item 7 as shown. Repeat for all Item 7's.

Step 5
1. Apply 1" hook velcro, adhesive backed, to the inside of the tabs of Item 8 as shown. Repeat for both tabs.

Step 6
1. Attach Item 8 to Item 7 with the velcro applied in Step 3 and 4. Repeat for all similar items.
Step 7
1. Attach Items 1 and 6 to the metal frames from Step 3 using zip ties.

Step 8
1. Attach the slide assemblies from Step 5 to the six slots on Item 1 using Items 9 and 10.
PARTS LIST

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<th>ITEM</th>
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<th>DESCRIPTION</th>
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<td>GE-13010</td>
<td>Feeder Plastic</td>
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<td>1</td>
<td>GE-13012</td>
<td>Corner Goal Plastic</td>
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<td>1</td>
<td>GE-13014</td>
<td>Corner Goal, Upper Frame</td>
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<td>1</td>
<td>GE-13016</td>
<td>Corner Goal, Lower Frame Right</td>
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<td>1</td>
<td>GE-13032</td>
<td>Low Goal Assembly</td>
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<tr>
<td>6</td>
<td>2</td>
<td>GE-13033</td>
<td>F-Frame</td>
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<tr>
<td>7</td>
<td>2</td>
<td>GE-13034</td>
<td>Cross Bar, Corner Goal</td>
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<tr>
<td>8</td>
<td>1</td>
<td>GE-13035</td>
<td>Lower Plastic, Corner Goal</td>
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<tr>
<td>9</td>
<td>3</td>
<td>GE-13044</td>
<td>Slide, Feeder</td>
</tr>
<tr>
<td>10</td>
<td>3</td>
<td>GE-13075</td>
<td>Cover, Slide</td>
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<tr>
<td>11</td>
<td>6</td>
<td>HW-00002</td>
<td>Nut, Lock 1/4-20</td>
</tr>
<tr>
<td>12</td>
<td>6</td>
<td>HW-00015</td>
<td>1/4-20 x 3/4&quot; Button head screw, zinc plated</td>
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TOLERANCES: (INCHES)

FRAC. +/- 1/32

-.00 +/- .01

-.000 +/- .005

ANGULAR +/- .25 Deg.

FIRST

200 Bedford Street, Manchester, NH 03101

(603) 666-3906 ~ FAX (603) 666-3907

Feeder/Low Goal Station

DRAWN

11/17/2012

CHECKED

UNLESS OTHERWISE SPECIFIED

SCALE

C

REV

GE-13048

SHEET 1 OF 4
NOTE:
1.) Material: 1/8" Hardboard
2.) Remove all burrs and sharp edges
NOTE:
1.) Material: 1/8" Hardboard
2.) Remove all burrs and sharp edges
NOTE:
1.) Material: 1/8" Hardboard
2.) Remove all burrs and sharp edges
Notes:
2. Finish: none
3. Remove all burrs and sharp edges
4. Holes may be drilled after welding

<table>
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<td>Vertical Member</td>
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<td>GE-13053-01</td>
<td>Horizontal Member</td>
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TOLERANCES: (INCHES)
FRAC. +/- .01
/.000 +/- .005
ANGULAR +/- .25 Deg.

SCALE
FRONT FRAME, LOW GOAL
Notes:
1. Material 6063 Alum, T52 1-1/2"x1/8" Angle
2. All dimensions typical unless otherwise specified
3. Finish: none
4. Remove all burrs and sharp edges
5. Holes may be drilled after welding
Notes:
1. Material 6063 Alum, T52 1-1/2"x1/8" Angle
2. All dimensions typical unless otherwise specified
3. Finish: none
4. Remove all burrs and sharp edges
5. Holes may be drilled after welding

**PARTS LIST**

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<thead>
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<td>GE-13056-03</td>
<td>Sensor Bracket</td>
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**DRAWN**
11/16/2012

**CHECKED**

**TITLE**: Side Frame 2, Low Goal

**UNLESS OTHERWISE SPECIFIED**

**TOLERANCES (INCHES)**

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<td>.000</td>
<td>+/- .005</td>
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**ANGULAR**: +/- .25 Deg.
Notes:
1. Material: 3/4" Galvanized Steel EMT
2. Remove burrs and sharp edges
Notes:
1. Material: 1/2" Galvanized Steel EMT
2. Remove burrs and sharp edges

UNLESS OTHERWISE SPECIFIED
TOLERANCES (INCHES)

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<td>.005</td>
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<tr>
<td>ANGULAR</td>
<td>+/- .25 Deg.</td>
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FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

Chain Pole, Low Goal

Dwg No: GE-13058
Notes:

1. Material: 1/8" Clear Polycarbonate
2. Remove all burrs and sharp edges
Notes:
1. Material: 1-1/2" x 1/8" thick, 6063-T52 Architectural Aluminum Angle
2. Finish: none
3. Remove all burrs and sharp edges.
4. Holes may be drilled prior to welding.

SECTION D-D
SCALE 0.17 : 1

GE-13061-01 (Qty.2)
GE-13061-02 (Qty.2)
GE-13061-03 (Qty.1)

6X Ø.27
Thru One Piece

Typ. 4 Corners

1/4

Typ. 4 Corners

1/4

Both Ends

of Item 3

1/4

DETAIL A
SCALE 1 / 2

DETAIL B
SCALE 1 / 2
Typ. All Pieces

1.00
.38

.38 .63

.38 .63

.38 .63

19.38
17.38

22.00

41.50

1.50

1.50

1.50

8.6

5.12

5.12

1.99

.00

.00

.00

.00

8.6

5.12

5.12

1.99

21.75

45° Both Ends

45° Both Ends
Notes:
1. Material: 1/2" Electrical Metallic Tubing (EMT) IT (IMC)
2. Remove all burrs and sharp edges.
Notes:
1. Material: 1-1/2" x 1/8" thick, 6063-T52 Aluminum Architectural Angle
2. Finish: none
3. Remove all burrs and sharp edges
4. Holes may be drilled after welding

**PARTS LIST**

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<td>GE-13065-01</td>
<td>Horizontal Beam</td>
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<td>2</td>
<td>GE-13065-02</td>
<td>Vertical Beam</td>
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**DRAWN**: [Drawn Name] 11/17/2012

**CHECKED**: [Checked Name]

**TITLE**: Front Frame, High Goal

**COMPANY**: FIRST

200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

**TOLERANCES (INCHES)**

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<tr>
<td>+/-</td>
<td>.25</td>
<td>+/-</td>
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**SCALE**: 1/2

**SHEET**: 1 OF 1
Notes:
1. Material: 1-1/2" x 1/8" thick, 6063-T52 Architectural Aluminum Angle
2. Finish: none
3. Remove all burrs and sharp edges
4. Holes may be drilled prior to welding
Notes:
1. Item 7: Hinge, Goal Basket is used for packing purposes only. Angle or other material may be substituted if available.

Rivet to Item 1 and 3 at available locations. (both sides)

Rivet to Item 3 at available locations.

Item 11 rests on Items 2 and 6. It is not fastened down.
Item: GE-13068-02, Hinge, Goal Basket
Material: 2" Hinge
QTY: 2
Scale: 1/1
Source: www.tchweb.com (P/N: #505-1965801) or similar
Notes:
1. Material: 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges
Notes:
1. Material: 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges
Notes:

1. Material: 1-1/2" x 1/8" thick, 6063-T52 Architectural Aluminum Angle
2. Finish: None
3. Remove all burrs and sharp edges
Notes:
1. Material: 1/8" thick, clear polycarbonate.
2. Remove all burrs and sharp edges.
Notes:
1. Material: 1/8" thick, clear polycarbonate.
2. Remove all burrs and sharp edges.
Notes:
1. Material: 1/8" Coroplast, Red or Blue
2. Remove all burns and sharp edges
Notes:
1. Material: 1/8" thick, clear polycarbonate
2. Remove all burns and sharp edges
Notes:
1. Material: 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges
Rivet to Item 1 and 3 at available locations. (both sides)

Item 11 rests on Items 2 and 6. It is not fastened down.

Notes:
1. Item 7: Hinge, High Goal Basket is used for packing purposes only. Angle or other material may be substituted if available.
Item: GE-13078-01, Hinge, High Goal Basket
Material: 2" Hinge
QTY: 2
Scale: 1/1
Source: www.tchweb.com (P/N: #505-1965801) or similar
Notes:
1. Material: 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges
Notes:
1. 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges

FRAC. | +/- 1/32
-----|--------
.00 | +/- .01
.000 | +/- .005
ANGULAR | +/- .25 Deg.
Notes:
1. Material: 1-1/2" x 1/8" thick, 6063-T52 Aluminum Architectural Angle
2. Remove all burrs and sharp edges
3. Finish: none
Notes:
1. Material: 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges
Rivet to Item 1 and 7 at available locations. (both sides)

Item 2 rests on Items 4 and 6. It is not fastened down.

Notes:
1. Item 5: Hinge, Goal Basket is used for packing purposes only. Angle or other material may be substituted if available.
Item: GE-13083-01, Hinge, Low Goal Basket
Material: 2" Hinge
QTY: 2
Scale: 1/1
Source: www.tchweb.com (P/N: #505-1965801) or similar
Notes:

1. Material: 1/4" thick, clear polycarbonate
2. Remove all burrs and sharp edges
Notes:
1. Material: 1/8" thick White HDPE
2. Remove all burrs and sharp edges
3. Alternate Material: 1/8 thick Hardboard
4" Wide Retro-Reflective Material (3M 8830 Silver Marking Film)

2" Black Gaffers Tape

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<td>GE-13085</td>
<td>End Panel Reflector</td>
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<tr>
<td>4</td>
<td>4</td>
<td>HW-00074</td>
<td>PHCS 1/4-20 x 1&quot;</td>
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<tr>
<td>5</td>
<td>4</td>
<td>HW-00076</td>
<td>Coupling Nut, 1/4-20 x 7/8&quot;</td>
</tr>
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DRAWN: __________________________  CHECKED: __________________________

12/30/2012 | 12/30/2012

UNLESS OTHERWISE SPECIFIED
TOLERANCES (INCHES)

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<th>FRAC.</th>
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<td>+/- 1/32</td>
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<tr>
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<tr>
<td>+/- .005</td>
<td>+/- .006</td>
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<tr>
<td>+/- .05</td>
<td>+/- .5 Deg.</td>
</tr>
</tbody>
</table>

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

TITLE
End Panel Reflector Assembly
Notes:

1. Leave stops loose until assembly is placed into a goal.

Material: 3/32" Zinc Coated Aluminum Stop
Do not squeeze stops until the wire is in the goal assembly!

Material: 3/32 - 1/8 in. Wire Rope, Vinyl Coated

Notes:
1. Leave stops loose until assembly is placed into a goal.
Notes:

1. Leave stops loose until assembly is placed into a goal.
Hinge: Continuous Piano Hinge
Source: www.tchweb.com
Part Number: 505-1965801 Or Similar

DETAI A
SCALE 1 / 4

PARTS LIST

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<th>ITEM</th>
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<th>DESCRIPTION</th>
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<tr>
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<td>GE-13074</td>
<td>Bottom, Goal Basket</td>
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<tr>
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<td>1</td>
<td>GE-13091-01</td>
<td>Hinge, Goal Basket</td>
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<td>10</td>
<td>HW-00010</td>
<td>Pop Rivet 3/16 Dia.</td>
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DRAWN: dfoster  2/22/2013
CHECKED:         

UNLESS OTHERWISE SPECIFIED
TOLERANCES: (INCHES)

FRAC. +/- 1/32
.00  +/- .01
.000 +/- .005
ANGULAR +/- .25 Deg.

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

TITLE
Bottom, Goal Basket, Assembly

SIZE
B

DWG NO
GE-13091

REV

SCALE

SHEET 1 OF 2
Vendor: Valco
Website: www.valcocleve.com
Part Number: CI-131
Description: Snap Button, Inverted 1.5 OD Tube

Snap Button, Inverted 1.5 OD Tube

<table>
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</tbody>
</table>

FIRST
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

DF0080
 SIZE : B
 SCALE : 1
 SHEET 1 OF 1