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SCALE 1:1
WEIGHT (kg) XXX
DRAWING NUMBER Entire Assembly
SHEET 1/8

SIZE

Wichita State University

CHECKED BY: Andrew Taylor
DATE: 12/04/2012

DESIGNED BY: Heath Daily
DATE: 12/04/2012

Isometric view
Scale: 1:8

Ball Guard A
Ball Guard B
Base Board
Leg
Pillar
Board A
Axis Assembly
Starting Corner

All measurements in inches unless otherwise noted.

Dwarven CNC Machine
Wichita State University
1:1 XXX Entire Assembly 1/8
Boards and Legs

Top View
Scale: 1:12

Ball Guard and Pillars

Top View
Scale: 1:12

Wichita State University
Wooden Assembly

(32) typ
1.25 typ

35 typ
24.125 typ
16.875 typ
9.625 typ

Dwarven CNC Machine

Andrew Taylor
12/04/2012
Heath Daily
12/04/2012
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Ball Guard A

Front View
Scale: 1:4

Side View
Scale: 1:4

Ball Guard B

Front View
Scale: 1:4

Side View
Scale: 1:4

Wichita State University
Dwarven CNC Machine
Andrew Taylor
12/04/2012
Heath Daily
12/04/2012

1:1 XXX Ball Guards 4/8
Leg

Pillar

Pillar with Ball

Ball Holders are centered on Pillars.
Aluminum Channel and LEGO Gear Racks

Side View
Scale: 1:1

(2.29)

Top View
Scale: 1:4

0.5

Front View
Scale: 1:4

0.5

Bottom View
Scale: 1:4

(29.57)
The measurements on this page are provided to aid the design of robots.

Front View
Scale: 1:5