Revision 1 - 5-Nov-2009 csm
All 10T Drive Sprockets replaced with 9T Drive Sprockets (8x)
Dimensions changed accordingly
Revision 2 - 6-Nov-2009 csm
Replace 4” (true) proxy wheels with more accurate model
which is 3.69” true diameter
Revision 3 - 19-Nov-2009 csm
Proxy Wheels replaced with downloaded AndyMark 4”
Plaction Wheels.
Revision 4 - 23-Dec-2009 csm
Simplified Pivot Braces
Pivot Bot Chassis mk VI
front elevation

Pivot Chain
Type 35 Steel - 32 Links (4 req'd)

Bumper Mount Hole
for 3/8" Bolt

Steering Motor

27.00
12.00
3.52
3.89
4.75
2.00
11.12
3.00

1/2" SCALE

Dad 11/1/2009
DWG NO
proto6

REV 4
SHEET 2 OF 5

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT
Pivot Bot Chassis mk VI
right elevation

Bumper Mounts for 3/8" bolts
Pivot Bot Chassis mk VI
Plan view

DRAWN
Dad 11/1/2009
CHECKED
QA
MFG
APPROVED

SIZE
B

DWG NO
proto6

SCALE 1 / 4

REV
4

Sheet 4 of 5
Pivot Bot Chassis mk VI
Bottom View

Pivot Wheel Assembly (4 req'd)

Steering Motor
FisherPrice or
RS-545 - either
with Bainbots P60
256:1 planetary
gearbox (4 req'd)

Bottom Pivot Plate
3/16" 6061 Al Plate
(4 req'd)

CLM Drive Motor
(4 req'd)