

FIA approved racing seat with 5-point harness

Wood frame is made of 2x4s and 4x4s with 6061 aluminum plate reinforcements

Seat will be bolted to cart frame with 3/8" bolts at four points using its existing bottom mount system

Footrest for passenger to keep feet inside cart

1/4" 6061 aluminum brace to be attached with #8 wood screws

DETAIL

SCALE 1 : 5

Gravity Wheels rated for 1200 lbs each, 8 total

SOLIDWORKS Educational Product. For Instructional Use Only

UNLESS OTHERWISE SPECIFIED:

Cart Plans

DIMENSIONS ARE IN INCHES

TITLE:

Cart

PAGE: 1/3

SCALE: 1:10

DETAIL

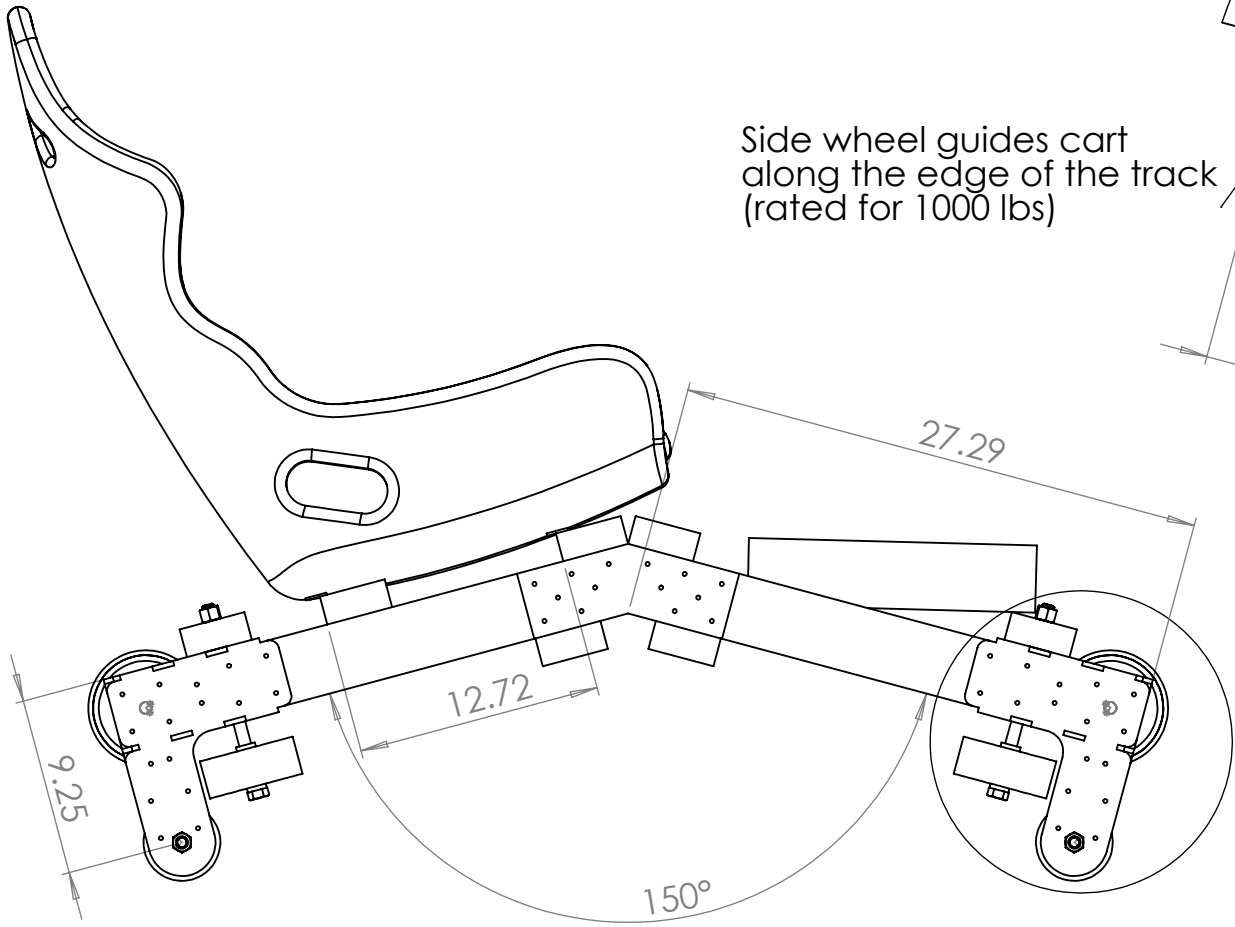
SCALE 1 : 5

Interlocking 6061
1/4" aluminum plate
reinforcement
Wheels axles are 5/8"
zinc-plated bolts

Side wheel guides cart
along the edge of the track
(rated for 1000 lbs)

Main wheel
(rated for 1200
lbs)

Upstop wheel (rated for
670 lbs) prevents cart
from flying up off the
track



| UNLESS OTHERWISE SPECIFIED: | | |
|-----------------------------|------------------------------------|-------------|
| Cart Plans | | |
| DIMENSIONS ARE IN INCHES | TITLE: | |
| | Cart Side View and Wheel Detail | |
| | PAGE: 2/3 | SCALE: 1:10 |

Wheel supports are 2x4s

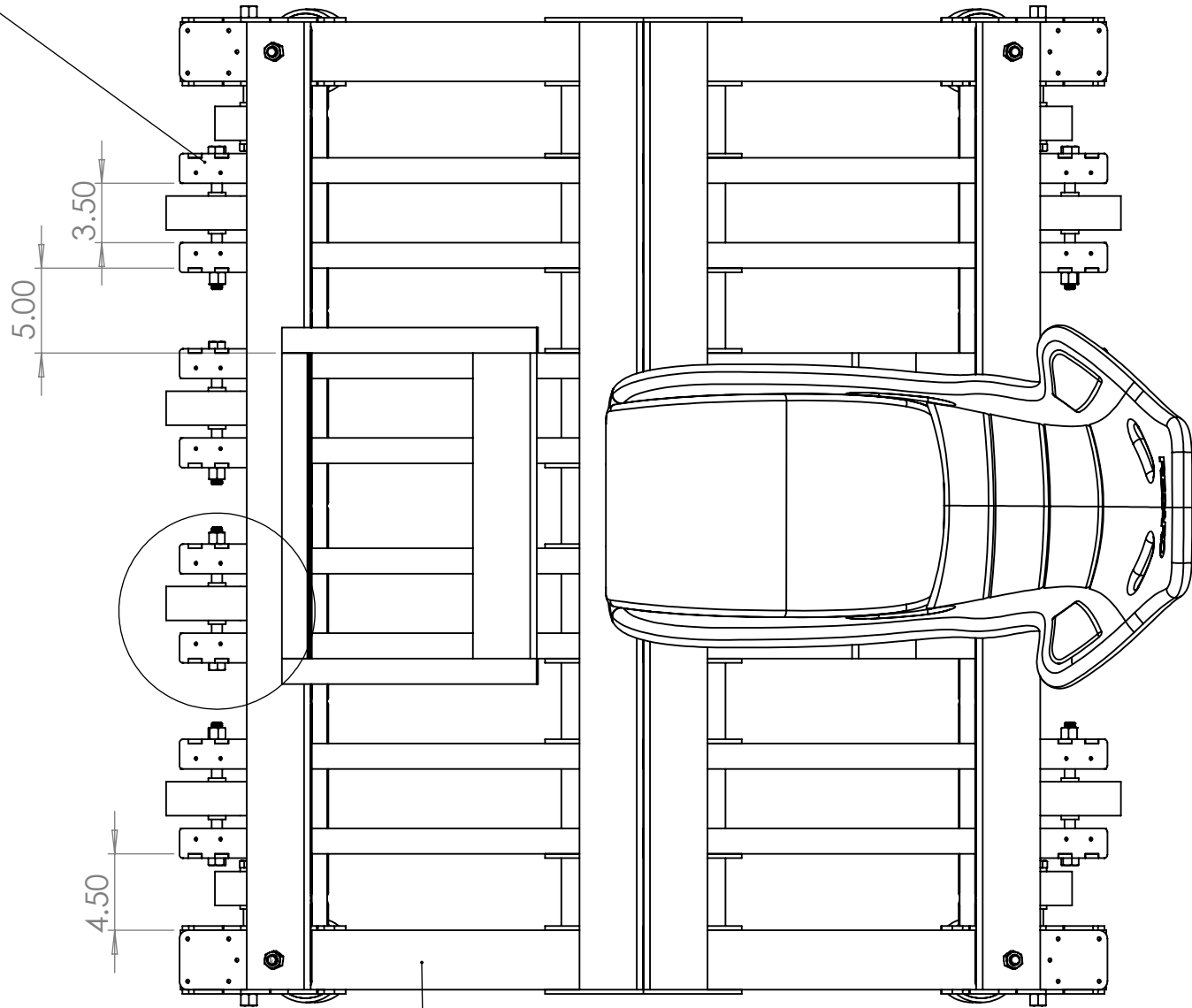
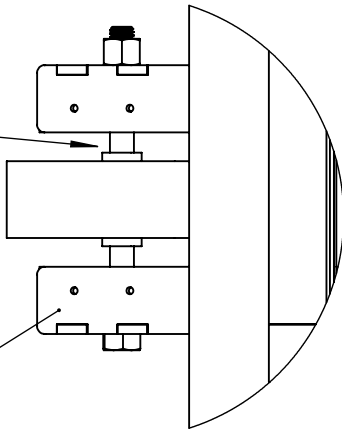
Each pair of wheel supports is spaced 5" apart (4 sets on the front and back of the cart, each)

DETAIL

SCALE 1 : 5

Each main wheel spins on a 5/8" bolt

2x4 ends are reinforced with 1/4" thick 6061 aluminum plate



Edge supports are 4x4s

| | | | |
|-----------------------------|-----------------------------|------------|-------------|
| UNLESS OTHERWISE SPECIFIED: | | Cart Plans | |
| DIMENSIONS ARE IN INCHES | TITLE: Cart Top View | | |
| | PAGE: 3/3 | | SCALE: 1:10 |