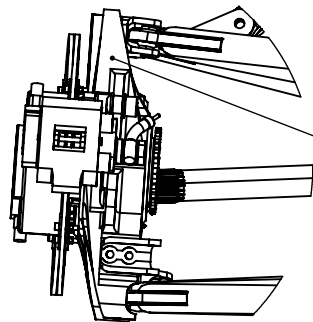


DETAIL A

SCALE 1 : 5



Student Designed
Aluminum CNC Upright

Homologated Anti-Intrusion
& Front Bulkhead
Composite Laminate

Prepreg Structural Enplates
with Positional Adjustment

Prepreg Multielement
Front & Rear Wing
S1223RTL Airfoils

Ground
Plane

A

46 [in] TOTAL HEIGHT
1168 [mm]

1 [in] RIDE HEIGHT
25.4 [mm]

45 [in] TRACK WIDTH
1142 [mm]

54 [in] TOTAL WIDTH
1372 [mm]



NOTES:

FSAE MICHIGAN - CAR #121
UNIVERSITY OF WISCONSIN
- MADISON

SCALE: 1: 10

DATE: 4/1/2023

DRAWN: A.SHUKLE

APPROVED: I.HEWETT

TITLE:

WR-223C FULL CAR ASSEMBLY

SIZE UW -MADISON PART NUMBER

A 1000-5000-23C

WEIGHT 428.5 LBS

SHEET 1 OF 3

Carbon Fiber Aerodynamic Package
Developed with Wind Tunnel & Track Correlated CFD Models

Student Designed and Manufactured Prepreg Carbon
Fiber and Aluminum Honeycomb Monocoque
Designed to accomodate both IC and EV powertrains

CFRP Steering Wheel
with Integrated LCD

Independent Ohlins
Dampers per Wheel
4-way-adjustable Coilover

Dual AP Racing 1 [in]
Bore, Brake Calipers

Toolless Quick-Adjustable Pedal Box

Topology Optimized Aluminum Gooseneck Mount
with 4-Point Adjustment Shims Capable of Translating
Front Wing in 2.5 [in] in Y & 3.5 [in] in X

Yamaha CP2
In-Line Twin,

Custom 3-Stage Dry Sump
Oil System

A
Ground
Plane



NOTES:

FSAE MICHIGAN - CAR #121
UNIVERSITY OF WISCONSIN
- MADISON

SCALE: 1: 12

DATE: 4/1/2023

DRAWN: A.SHUKLE

APPROVED: I.HEWETT

TITLE:

WR-223C FULL CAR ASSEMBLY

SIZE UW -MADISON PART NUMBER

A 1000-5000-23C

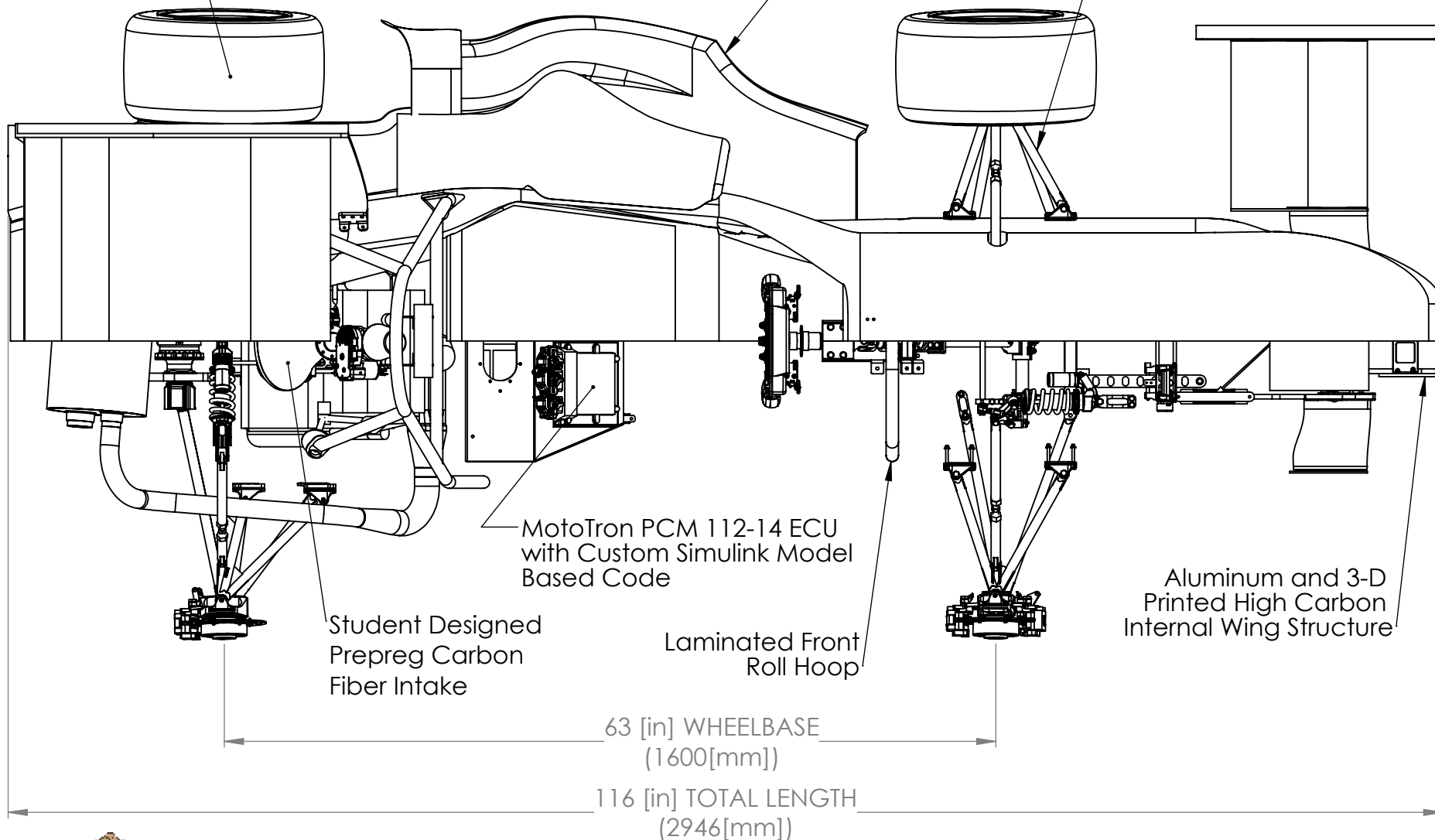
WEIGHT: 428.5 LBS

SHEET 2 OF 3

16x6-10 Hoosier
LCO Tires

Full Prepreg Carbon Fiber
Dual Venturi Tunnel Undertray

Dual Unequal Length
Short-Long Arm Suspension



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

NOTES:

FSAE MICHIGAN - CAR #121
UNIVERSITY OF WISCONSIN
- MADISON

SCALE: 1: 12

DATE: 4/1/2023

DRAWN: A.SHUKLE

APPROVED: I.HEWETT

TITLE:

WR-223C FULL CAR ASSEMBLY

SIZE UW -MADISON PART NUMBER

A 1000-5000-23C

WEIGHT: 428.5 LBS

SHEET 3 OF 3