Best Three View Drawing Award Winner (EV)

#E08 Jilin University EV

Second best
#E35 Prince of Songkla Univ. EV

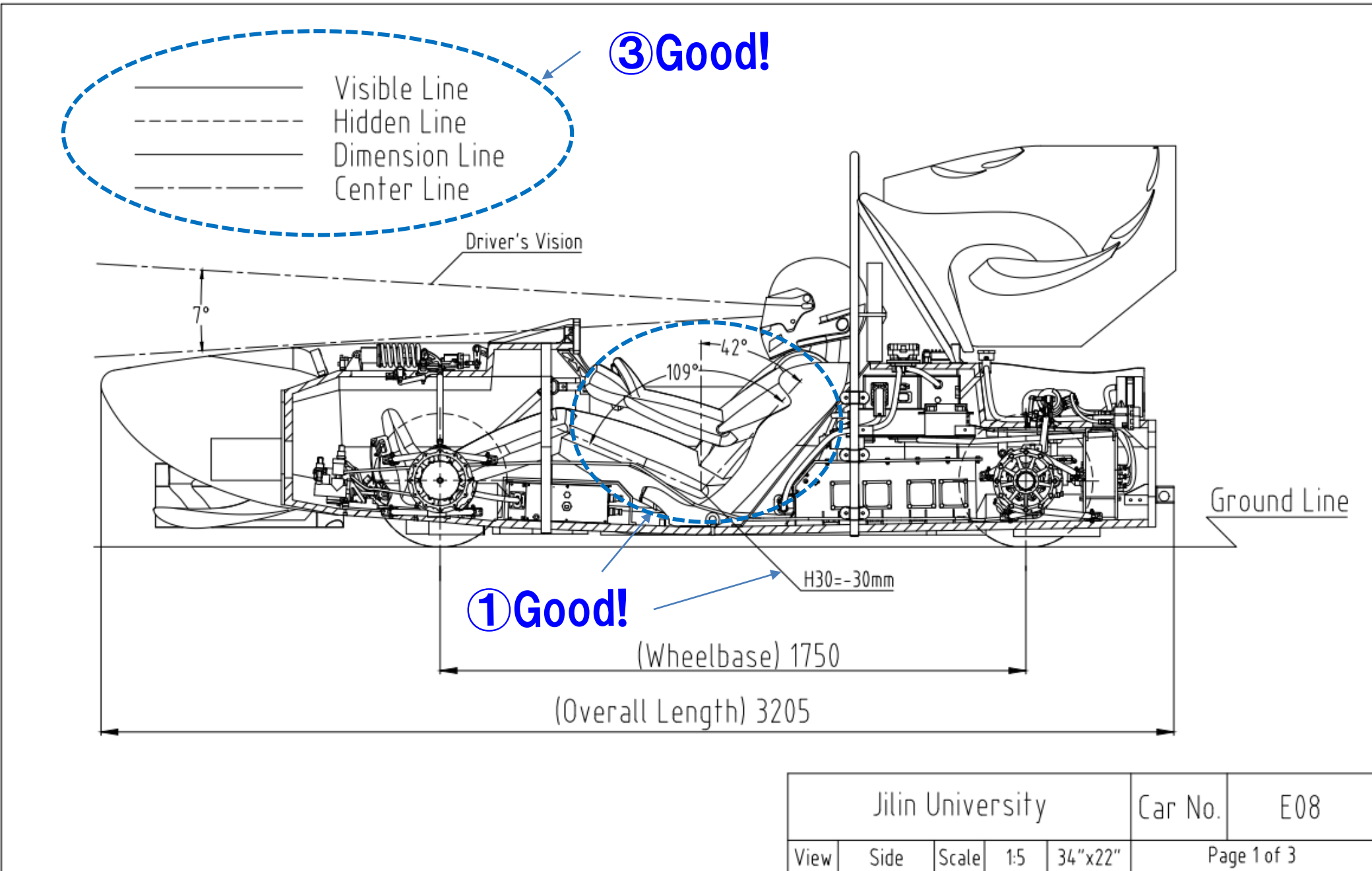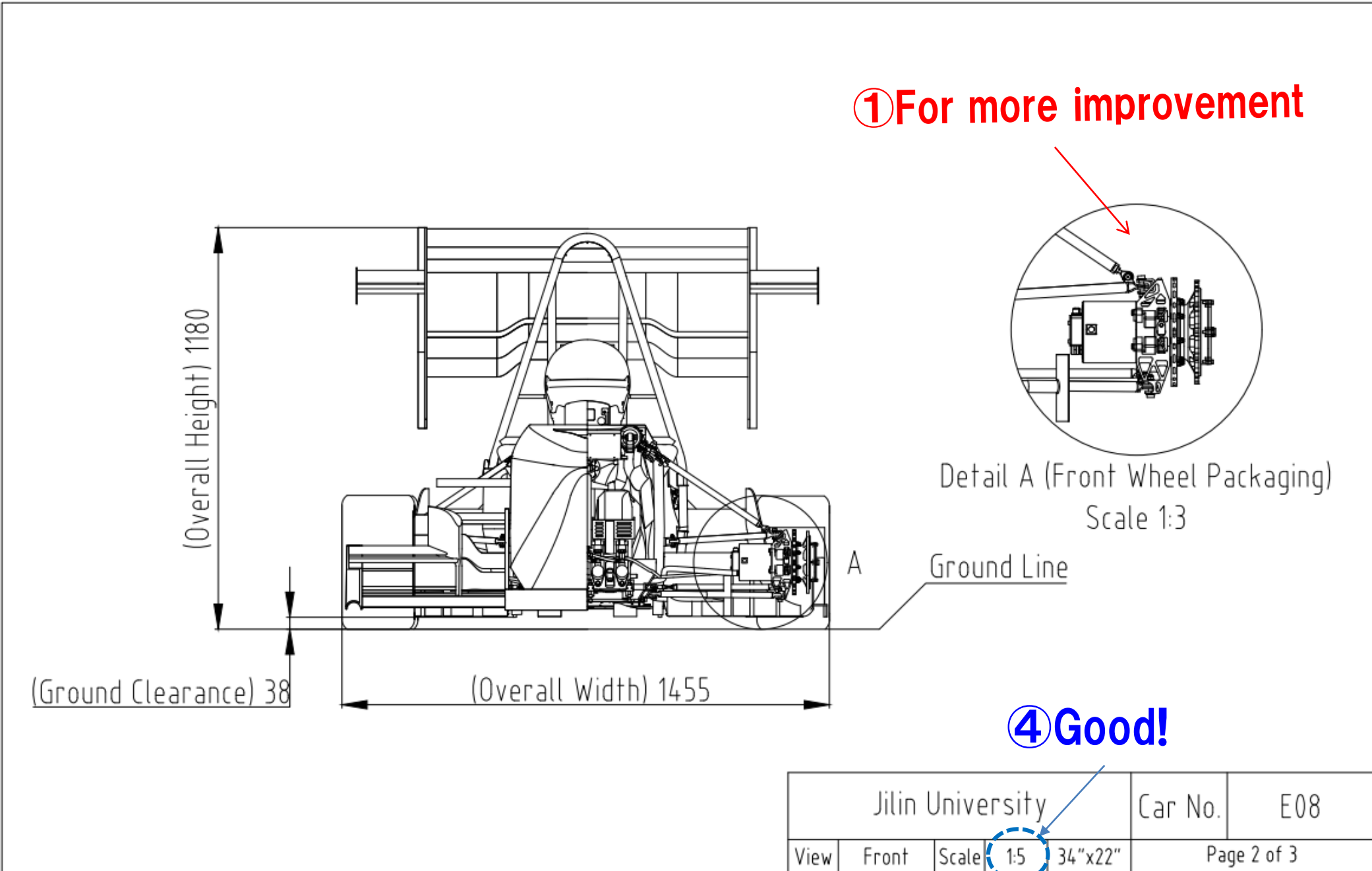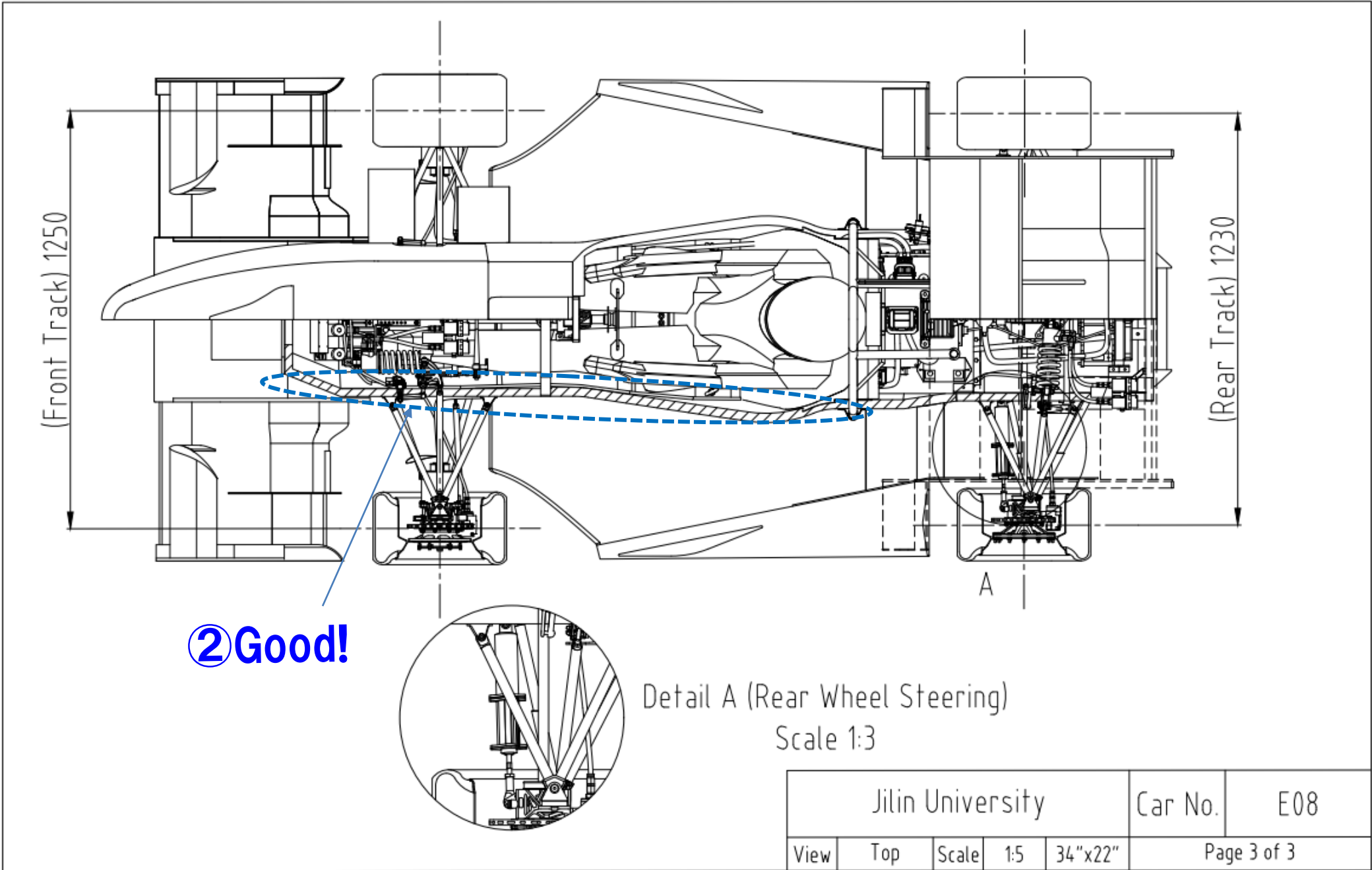### Third best
#E33 Univ. Gadjah Mada EV

#E08 Jilin University EV
This drawing is the best!

Noteworthy good points
① Ergonomic dimensions are shown
② Monocoque cross section line is shown.
③ Proper use of line variations
④ Recommended scale
For more improvement
① No component name and drawing intension

②Good!

Detail A (Rear Wheel Steering)
Scale 1:3

Jilin University		Car No.	E08
View	Top	Scale	1:5	34"x22"	Page 3 of 3

①For more improvement

Detail A (Front Wheel Packaging)
Scale 1:3

(Overall Height) 1180
Ground Line
(Ground Clearance) 38
(Overall Width) 1455

④Good!

A

Jilin University		Car No.	E08
View	Front	Scale	1:5	34"x22"	Page 2 of 3

③Good!

Visible Line
Hidden Line
Dimension Line
Center Line

Driver's Vision

7°

109° 42°

①Good!

H30=-30mm

Ground Line

(Wheelbase) 1750
(Overall Length) 3205

Jilin University		Car No.	E08
View	Side	Scale	1:5	34"x22"	Page 1 of 3

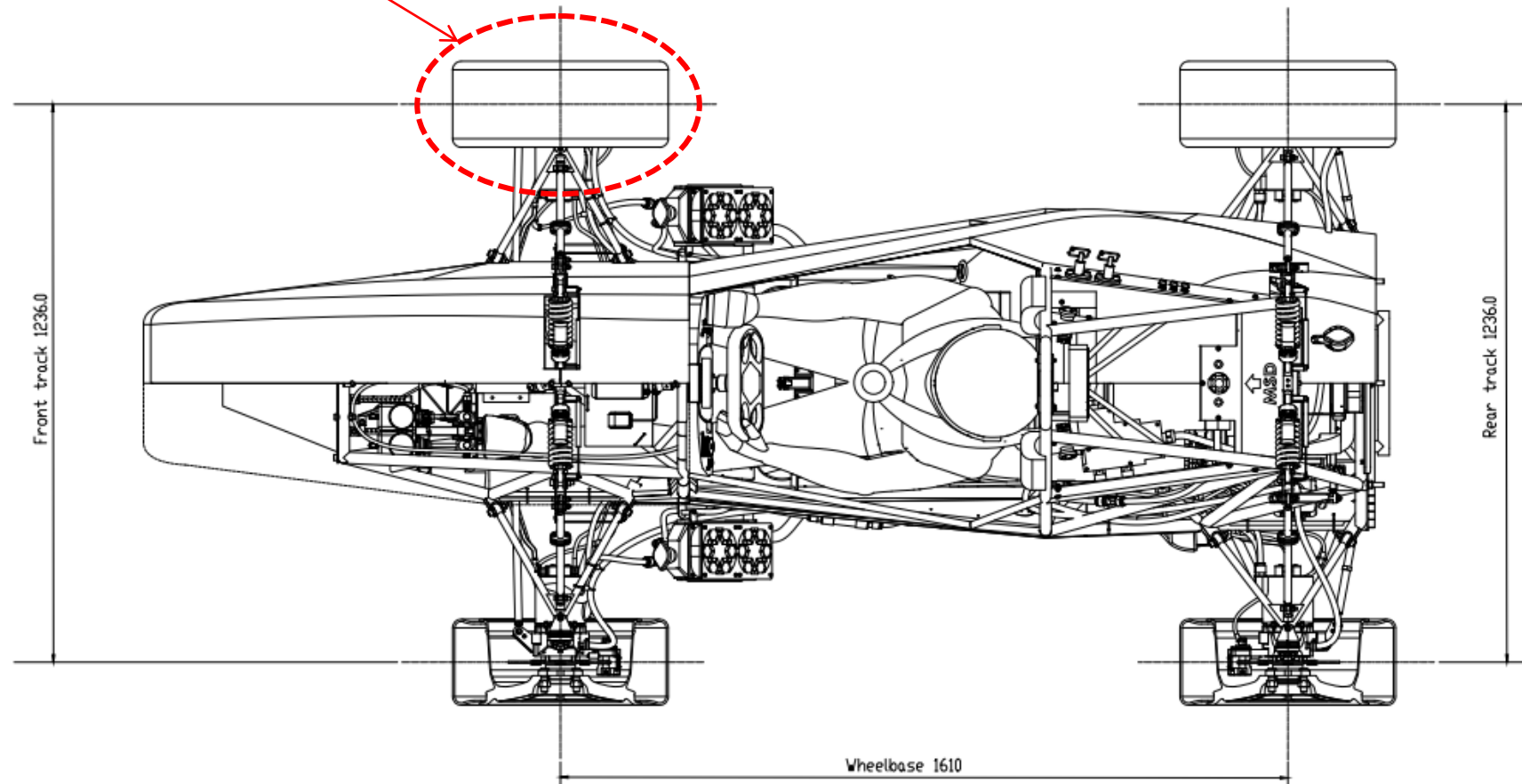# #E35 Prince of Songkla Univ. EV
This drawing is the second best!

Noteworthy good points
① Ergonomic dimensions are shown
② Component name is shown in detail drawing
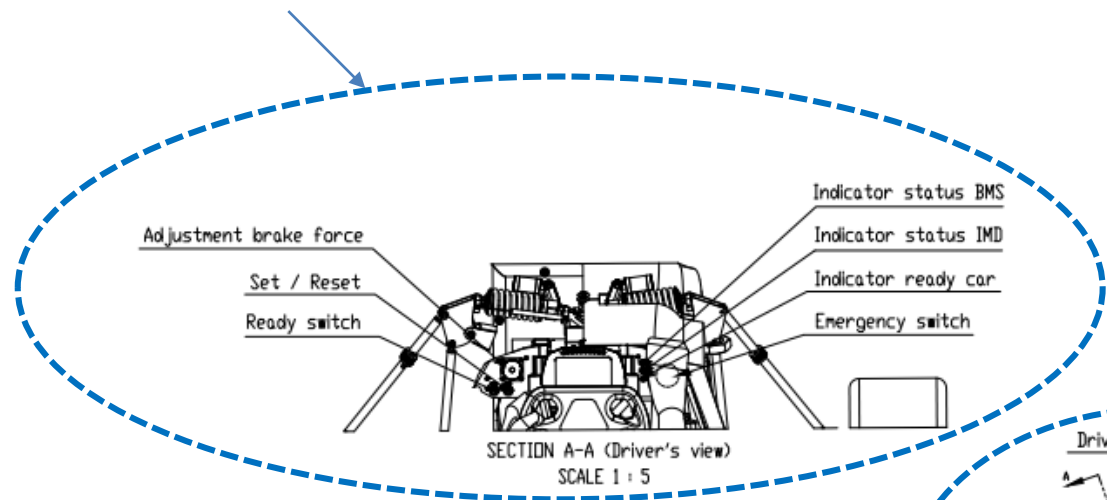③ Recommended scale

For more improvement
① Paper size is not specified
② Too many lines inside tires
③ Tire center line is not correct

③For more improvement

Prince of Songkla University
Car number : E35
View : Top View
Scale : 1:5
Sheet : 2/3

②Good!

Structure line
Dimention line
Center line
Angle line
Transparent line

Indicator status BMS
Indicator status IMD
Indicator ready car
Emergency switch

Adjustment brake force
Set / Reset
Ready switch

SECTION A-A (Driver's view)
SCALE 1 : 5

①Good!

Driver's vision

①For more improvement

Camber adjustment

DETAIL A
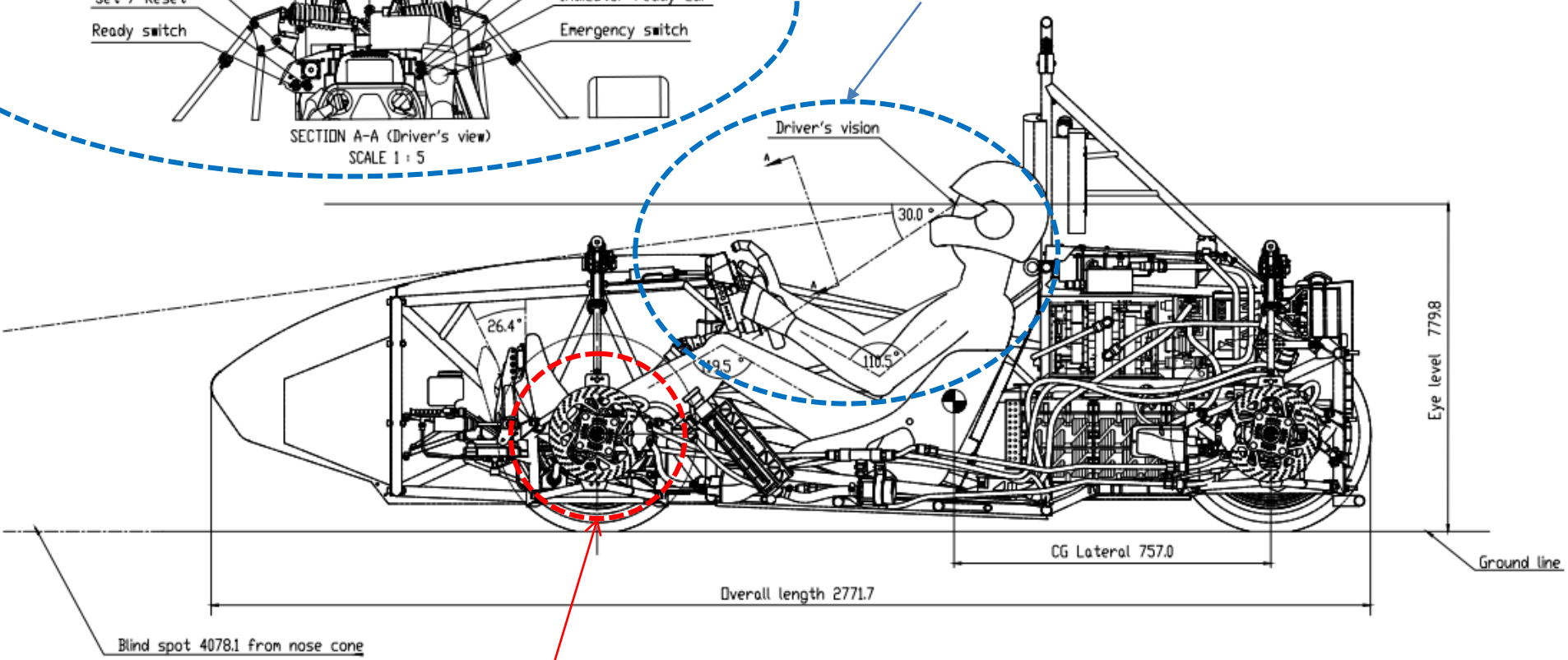SCALE 1 : 3
Suspension & Planetary Gear Box

①Good!

②For more improvement

Prince of Songkla University
Car number : E35
View : Front View
Scale : 1:5
Sheet : 1/3

Prince of Songkla University
Car number : E35
View : Side View
Scale : 1:5
Sheet : 3/3

#E33 Univ. Gadjah Mada EV
This drawing is the third best!

Noteworthy good points
① Component name is shown in detail drawing
② Paper size is specified
For more improvement
① Back view should not be shown.
② Not recommended scale
③ Eye point definition is not correct.

(Overall Length) 3283
(Wheelbase) 1580
(CG from front) 829
(Front Track Width) 1200
(Rear Track Width) 1200
Weight Distribution 47% Front

212
F-F (1 : 14)
Sprocket Chain Drivetrain Center Distance

Steering Rack
Steering Rod
Steering Pick-Up Point
Parallel/Ackermann
B (1 : 14)
STEERING GEOMETRY ASSEMBLY
①Good!

Three-View Drawing
AF-05
Document Type: Technical Drawing
Rev. A4
Unit mm | Scale 1 : 21 | Date 04/06/2025
Created By: Georgius Elang | Approved By: Akhsin M. | Component Number | Sheet 2 /3
ARJUNA Electric Vehicle Team Universitas Gadjah Mada

(Kingpin Inclination) 11,5°
(Overall Height) 1221
(Rear Wing Height) 1196
(Ground Clearance) 59
(CG Height) 265
(Front & Rear Track Width) 1200
(Overall Width) 1394
(Kingpin Inclination) 5.9
A (1 : 7)
②For more improvement
②Good!

Three-View Drawing
AF-05
Document Type: Technical Drawing
Rev. A4
Unit mm | Scale 1 : 14 | Date 04/06/2025
Created By: Georgius Elang | Approved By: Akhsin M. | Component Number | Sheet 1 /3
ARJUNA Electric Vehicle Team Universitas Gadjah Mada

C (1 : 9)
LV Box & antenna mounted on top chassis with nose cap
D (1 : 9)
Accumulator Container with Inlet Air Duct
E (1 : 9)
Back View of Inlet Air Duct
①For more improvement
③For more improvement
10°
116°
(Eye Level Height) 887
ground line
Back View of Powertrain (Including Cooling)
E
D

Three-View Drawing
AF-05
Document Type: Technical Drawing
Rev. A4
Unit mm | Scale 1 : 18 | Date 04/06/2025
Created By: Georgius Elang | Approved By: Akhsin M. | Component Number | Sheet 3 /3
ARJUNA Electric Vehicle Team Universitas Gadjah Mada