



# 2014 CAD FINAL PROJECT

## Soccartia 조

---

2014.06.12

2013020499 엄지환  
2013020659 최영주  
2013020574 이수명

# 목차

---

## 1. 준비

- 1-1. 선정동기
  - 1-2. 설계목표
- 

## 2. 설계

- 2-1. PART DESIGN
  - 2-2. ASSEMBLY
  - 2-3. KINEMATIC
- 

## 3. 결과 및 느낀점

- 3-1. 시뮬레이션
  - 3-2. 느낀점
-

# 1. 준비

## 1. 모델 선정



# 1. 준비

---

## 1-1. 선정 동기



- 자동차
- 수업내용 반영
- 난이도

# 1. 준비

---

## 1-2. 설계 목표

- 디자인
- 적재함 기능 구현
- 차의 움직임 구현
- 조향 장치 구현

# 1. 준비

## 1-3. 설계 준비

### 1-3. 1) 참고 모델



# 1. 준비

---

## 1-3. 설계 준비

### 1-3. 2) 설계 계획

#### ● PART DESIGN

- 1) 운전실
- 2) 프레임
- 3) 적재함

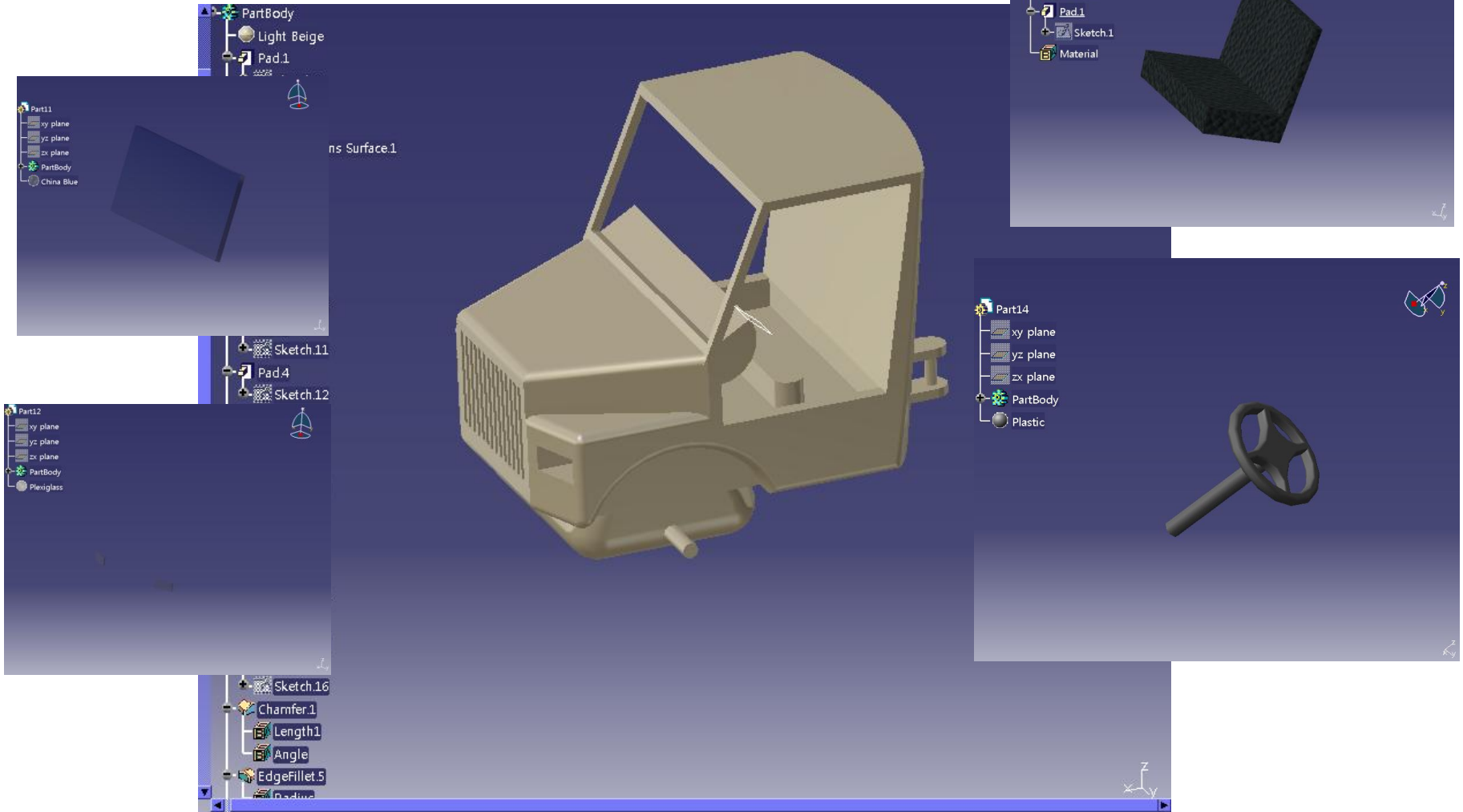
#### ● KINEMATIC

- 1) 유압실린더를 통한 적재함 구현
- 2) 적재함 뚜껑의 움직임 구현
- 3) 핸들의 구현
- 4) 바퀴의 조향 구현

## 2. 설계

### 2-1. PART DESIGN

#### 2-1. 1) 운전실

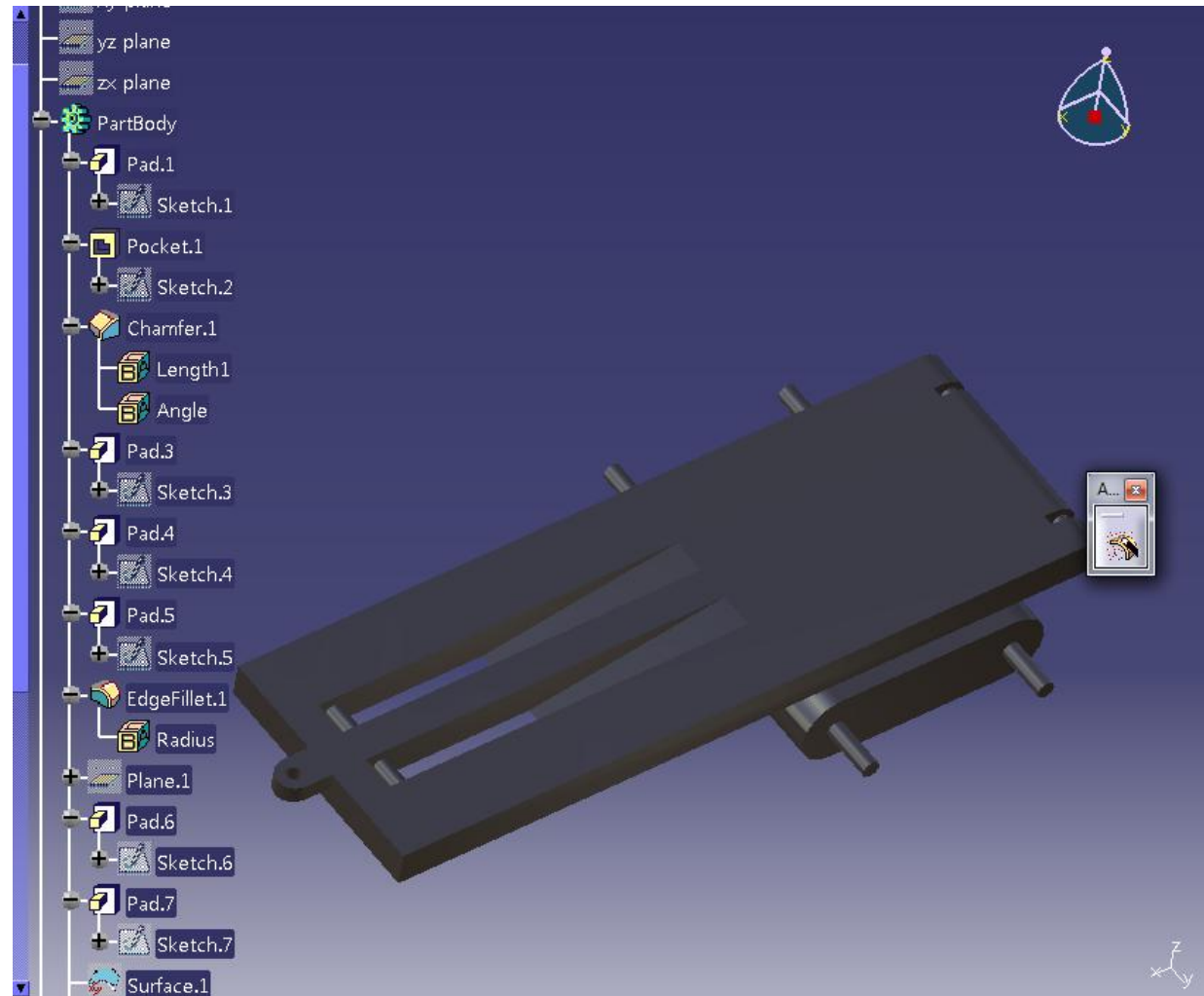




## 2. 설계

### 2-1. PART DESIGN

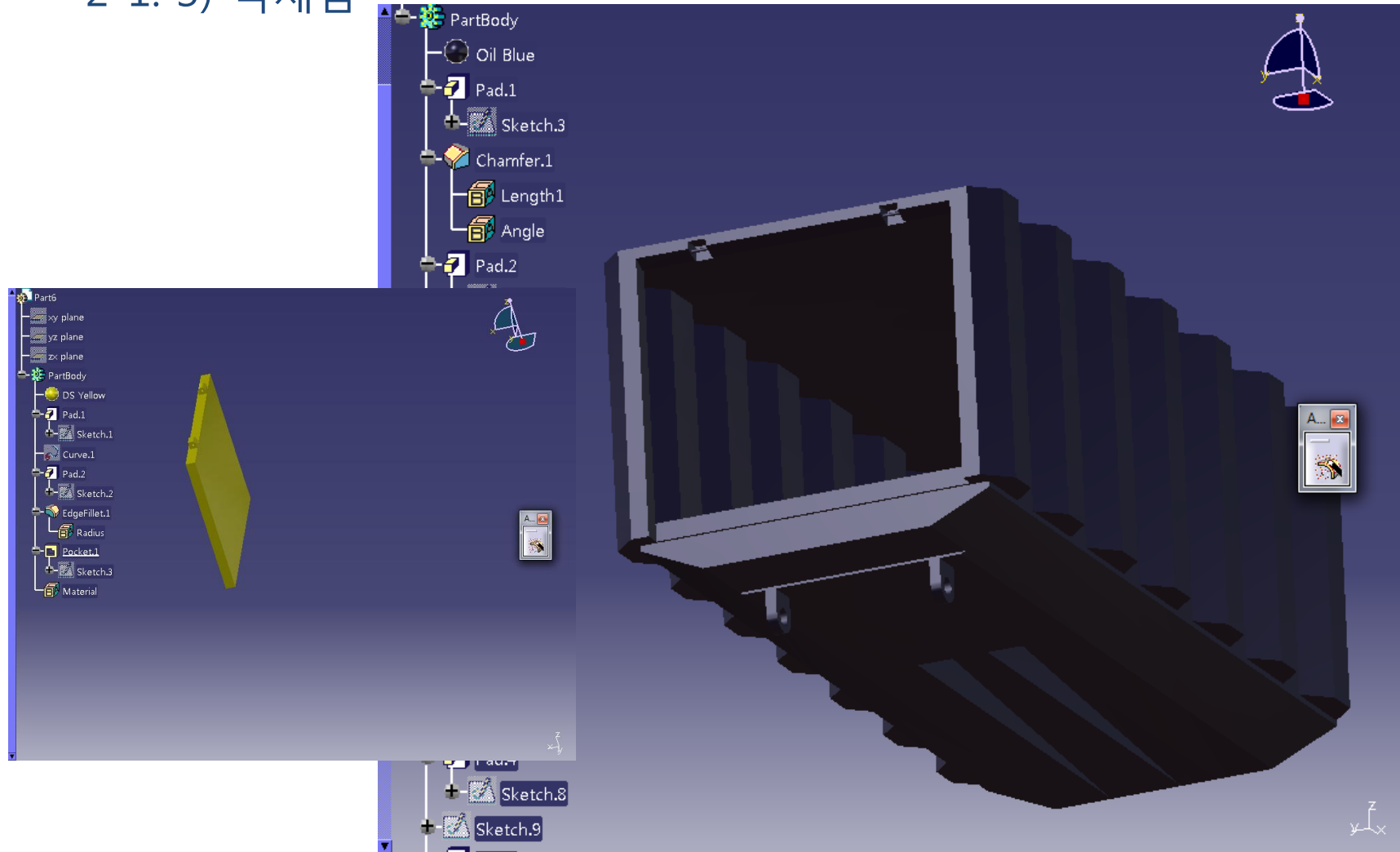
#### 2-1. 2) 프레임



## 2. 설계

### 2-1. PART DESIGN

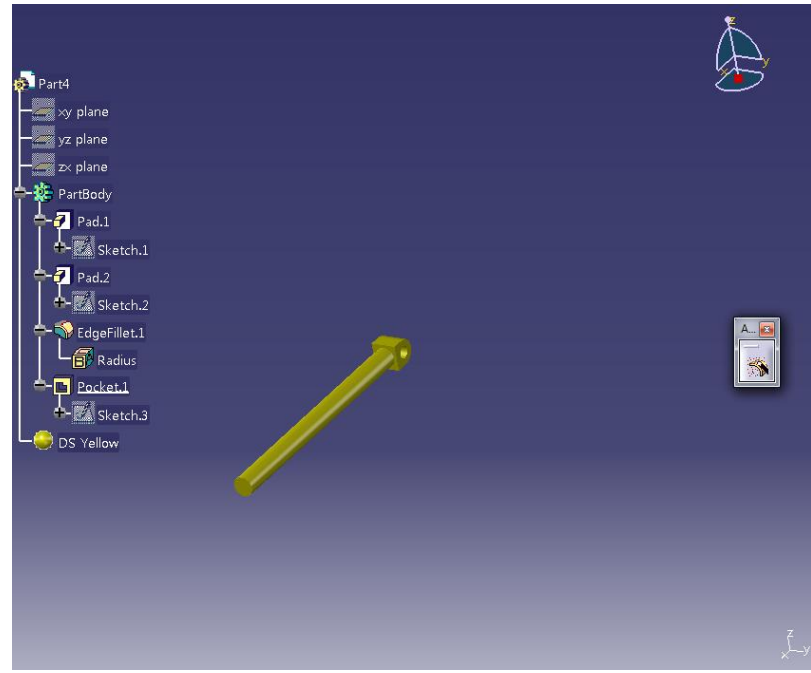
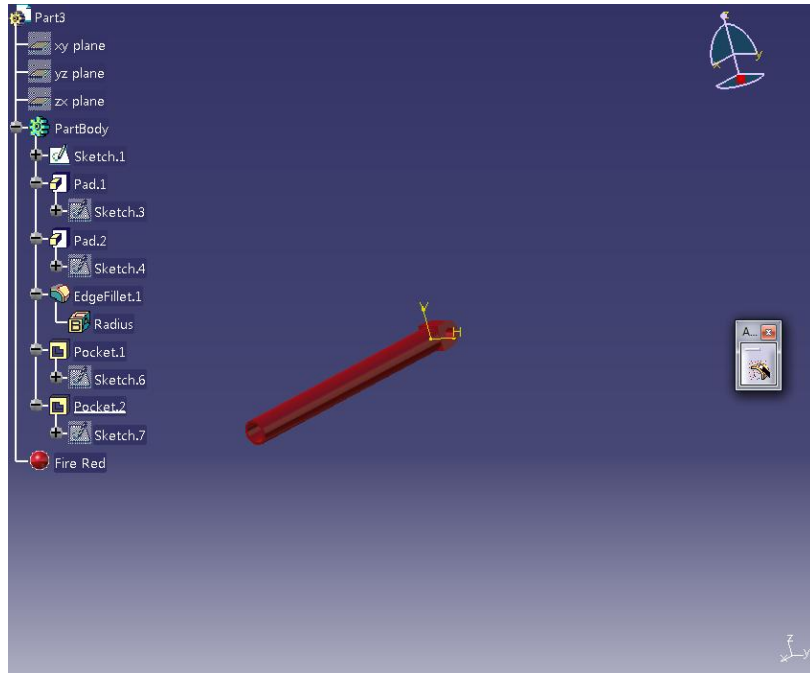
#### 2-1. 3) 적재함



## 2. 설계

### 2-1. PART DESIGN

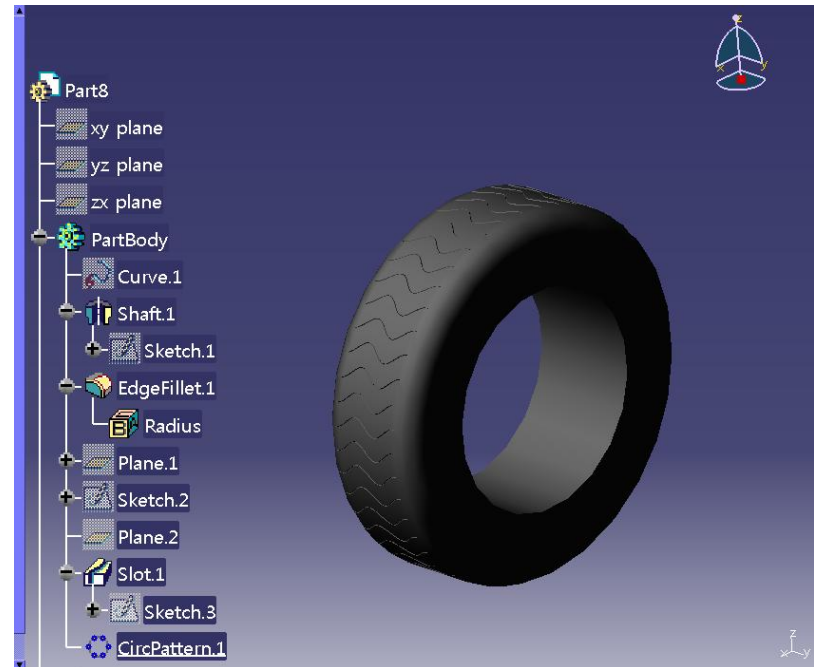
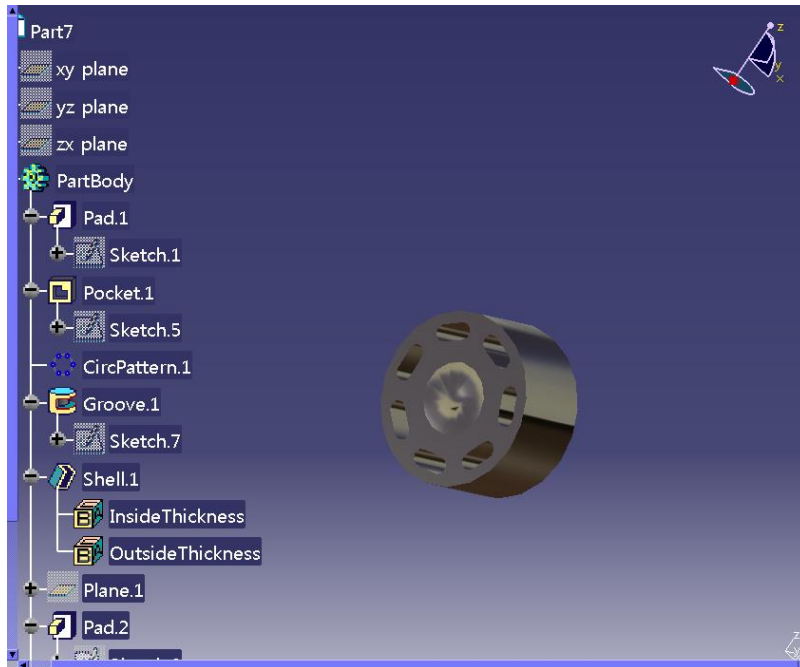
#### 2-1. 4) 피스톤



## 2. 설계

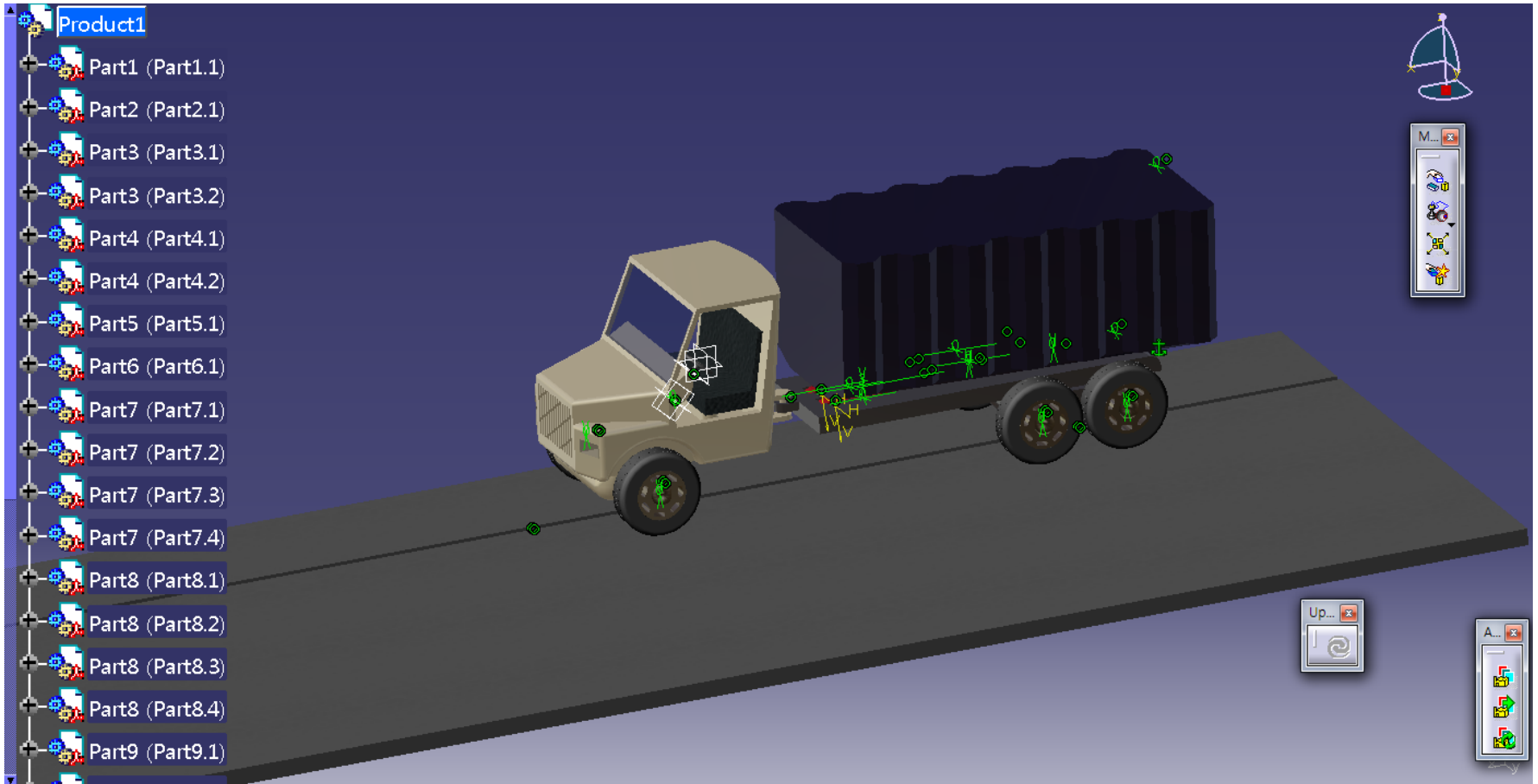
### 2-1. PART DESIGN

#### 2-1. 5) 바퀴



## 2. 설계

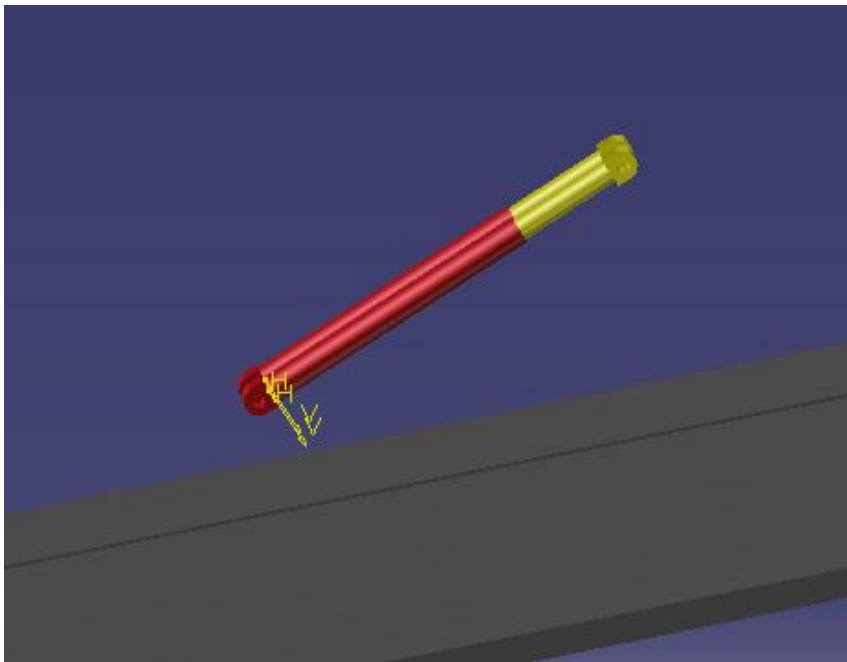
### 2-2. ASSEMBLY



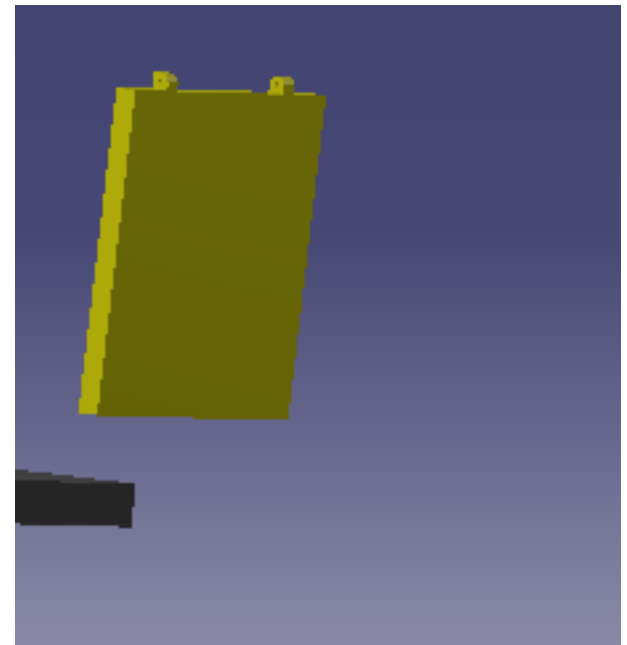
## 2. 설계

### 2-3. KINEMATIC

#### 2-3. 1) 적재함



실린더



적재함 뚜껑

## 2. 설계

### 2-3. KINEMATIC

#### 2-3. 2) 바퀴의 움직임



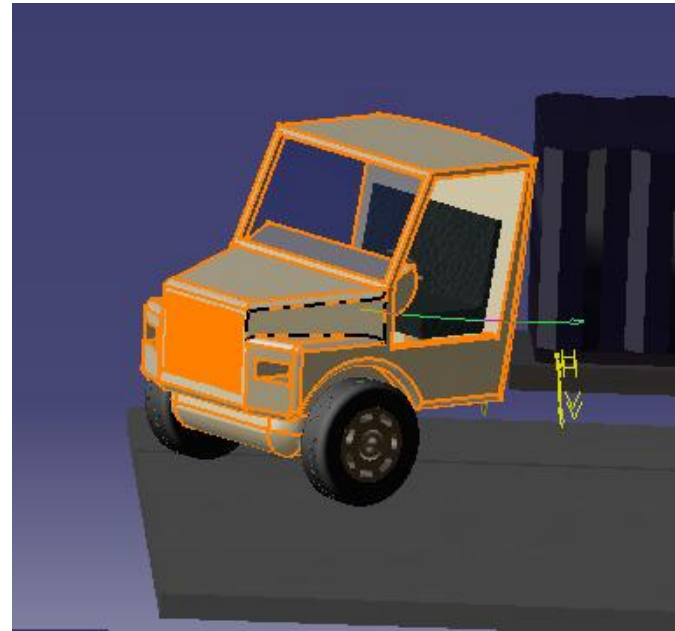
## 2. 설계

### 2-3. KINEMATIC

#### 2-3. 3) 조향



핸들



차체



### 3. 결과

#### 3-1 시뮬레이션



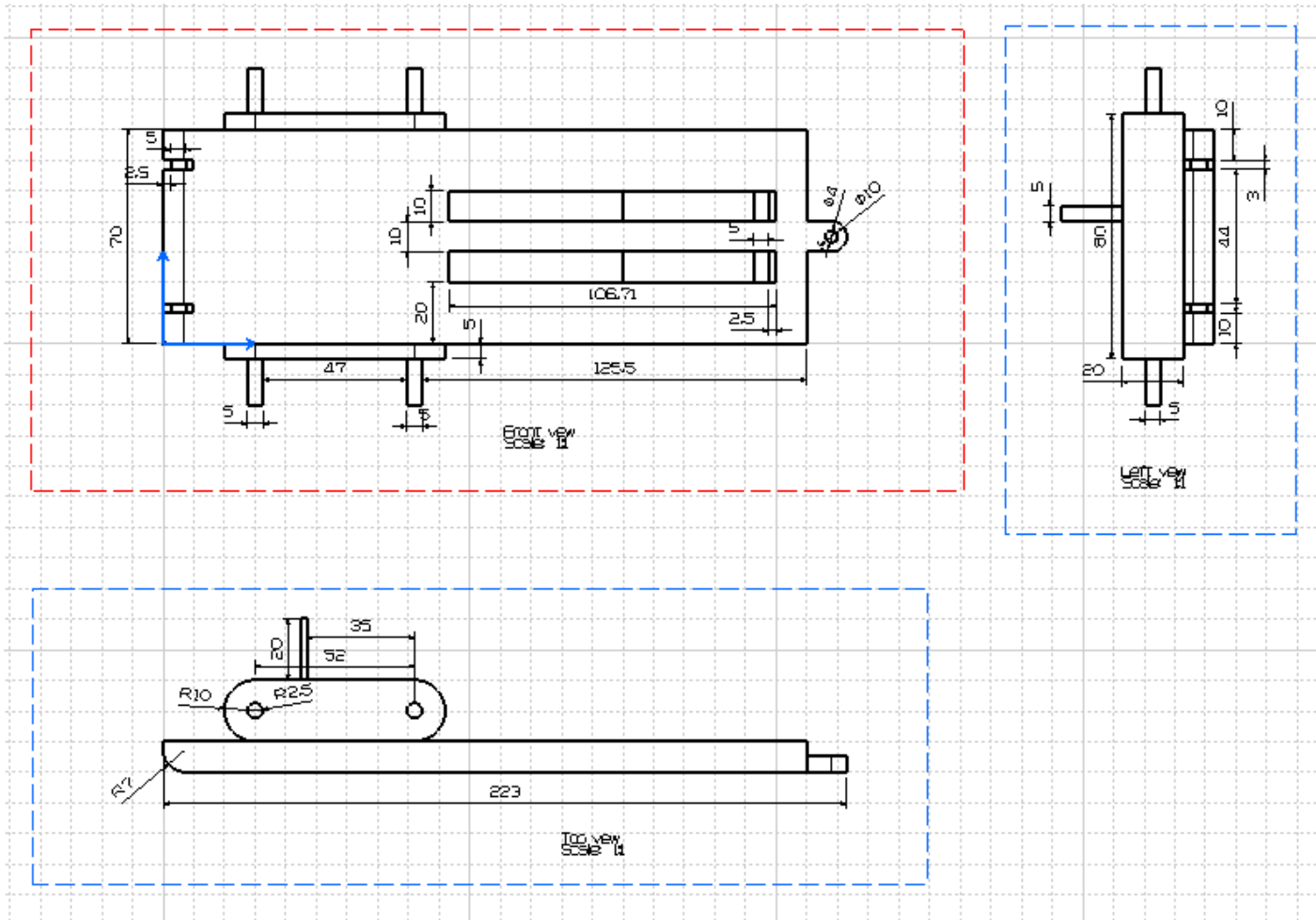
### 3. 결과

---

#### 3-2. 고찰 및 보완

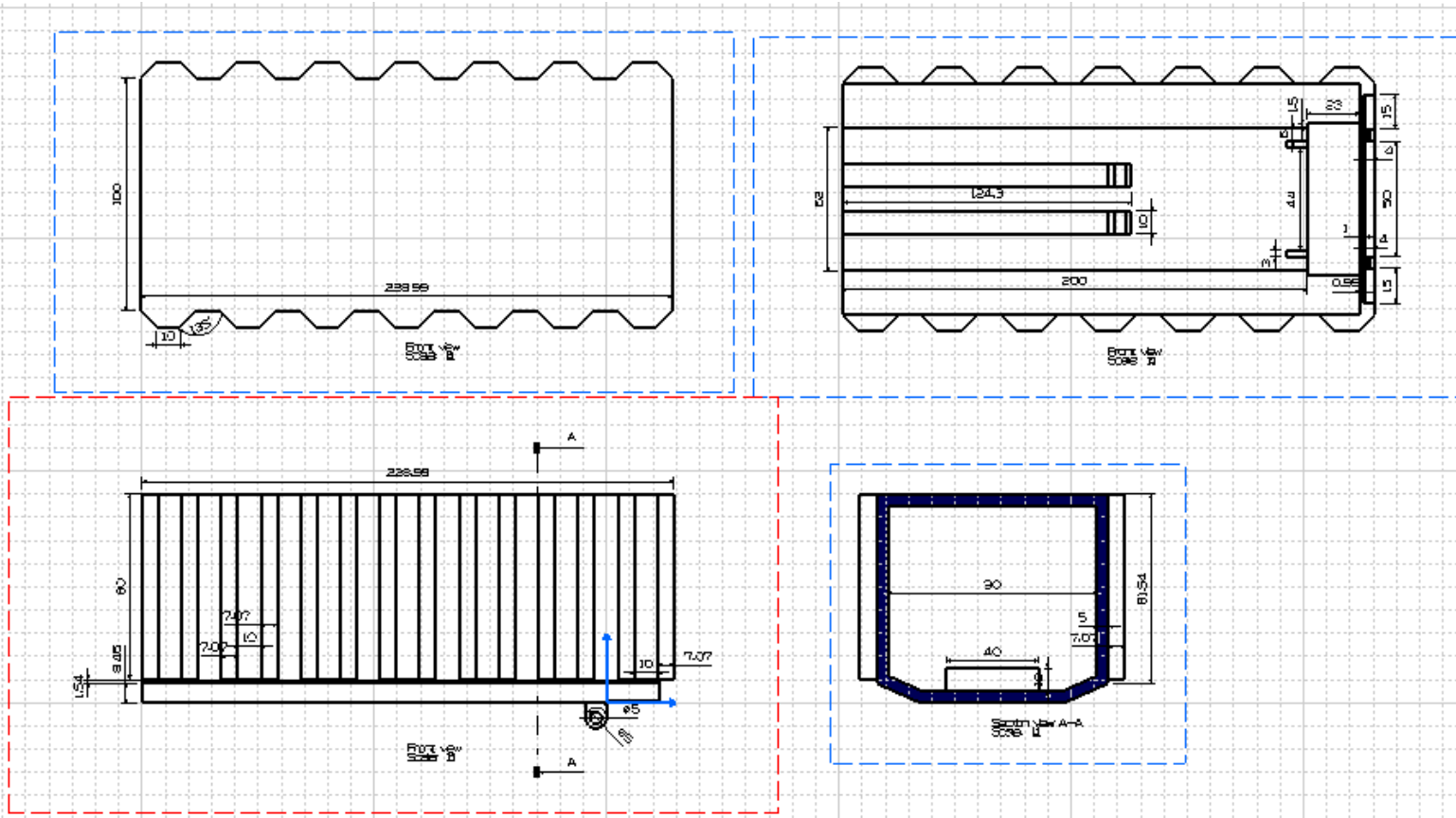
- 치수
- 적재함 작동 원리
- 조향 장치

## 4. DRAFTING



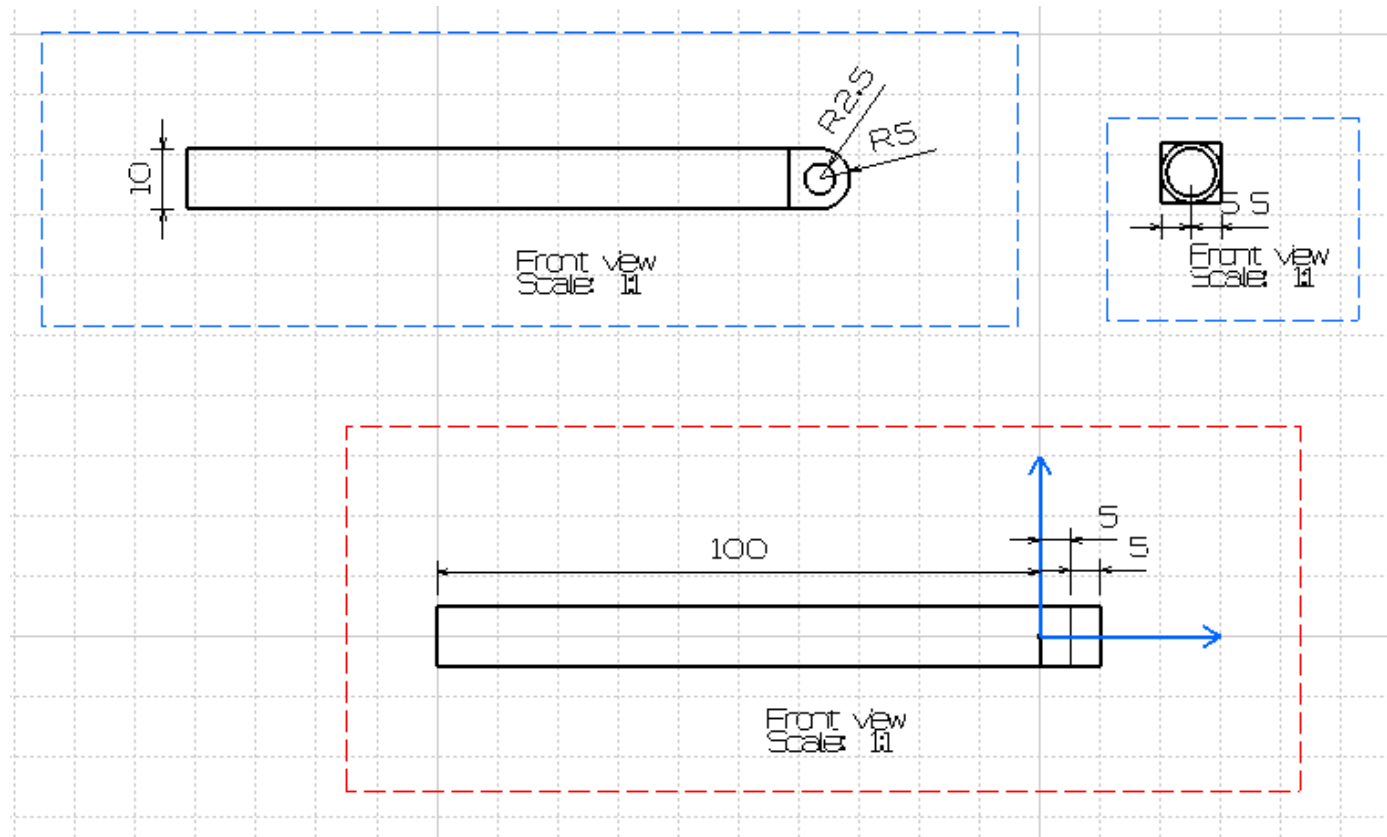
프레임

# 4. DRAFTING



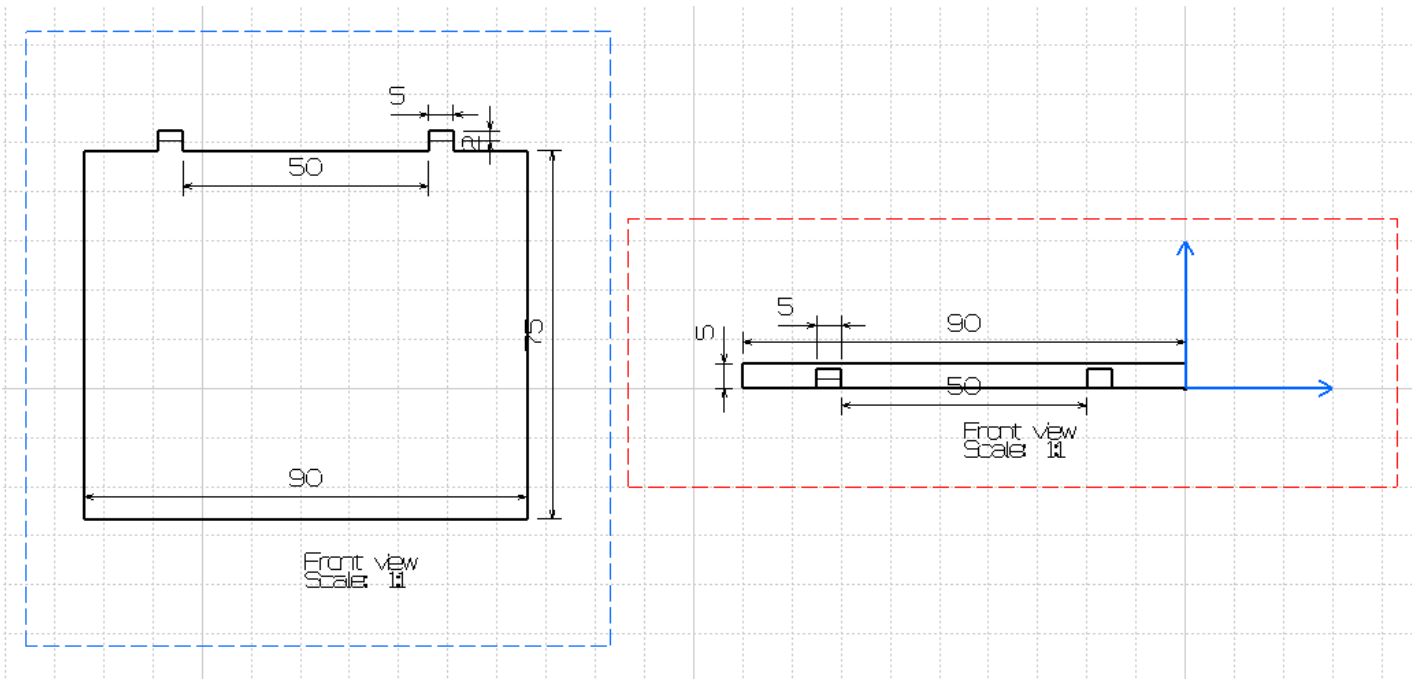
프레임

## 4. DRAFTING



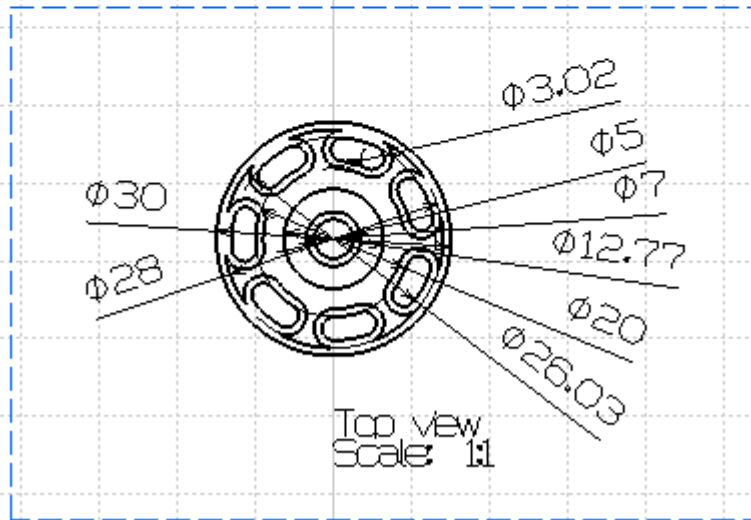
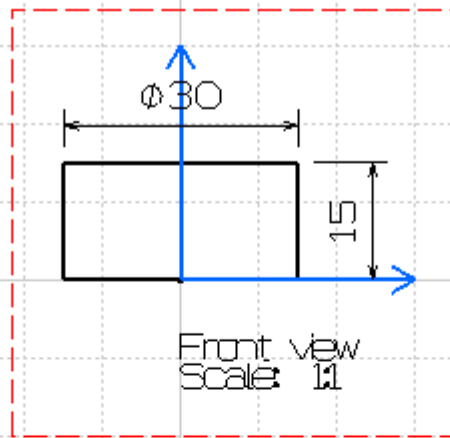
실린더1

## 4. DRAFTING



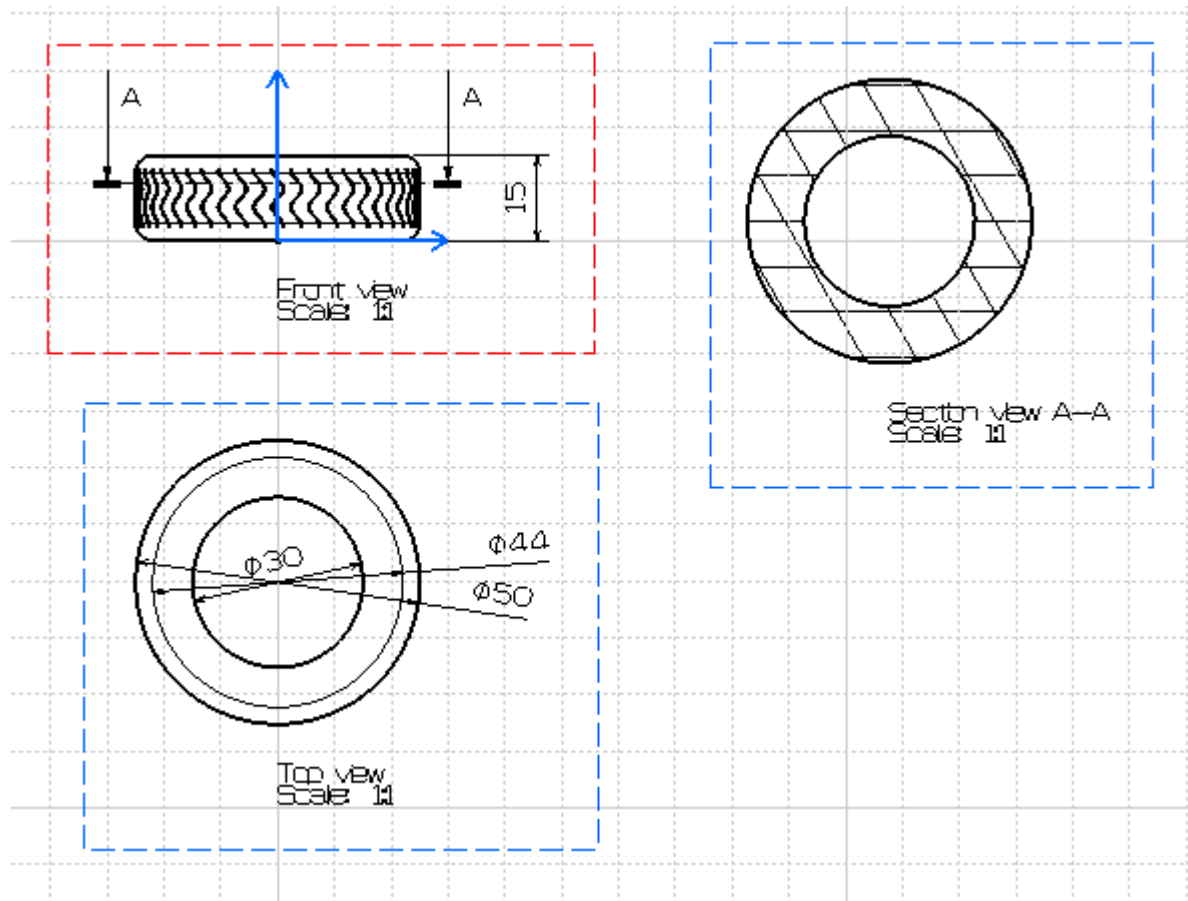
적재함 뚜껑

## 4. DRAFTING



타이어 휠

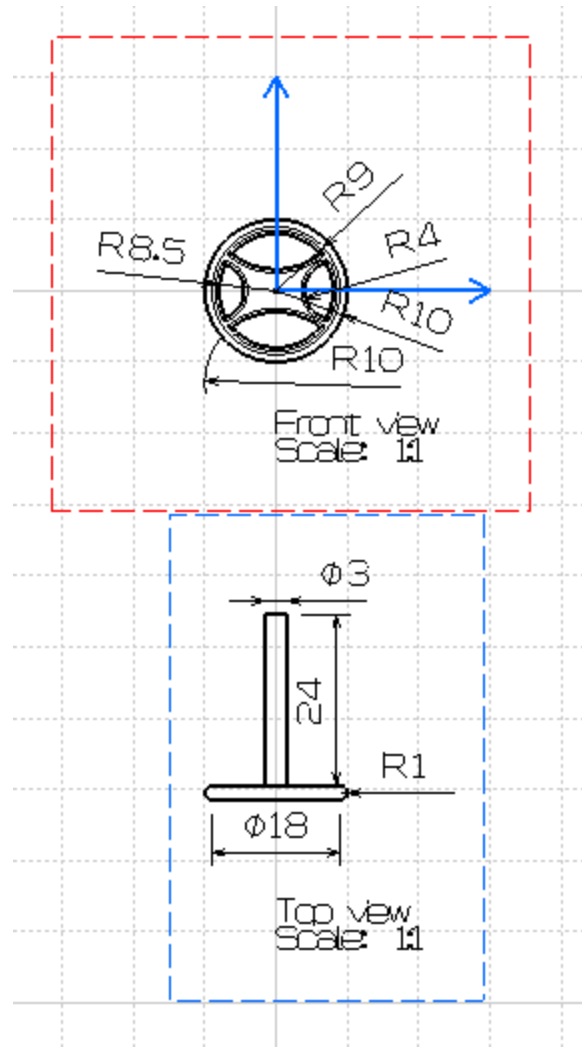
## 4. DRAFTING



타이어

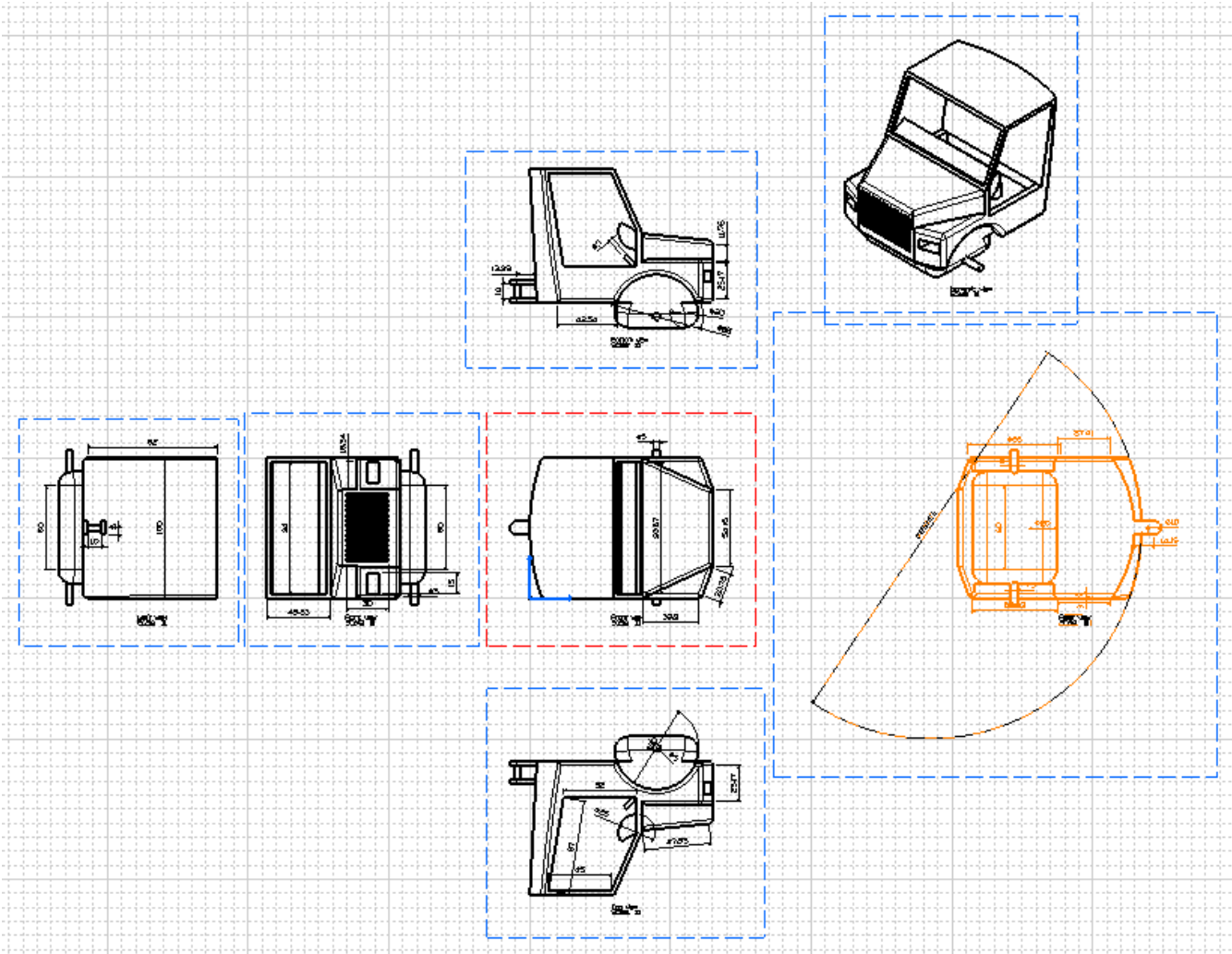


## 4. DRAFTING



한글

# 4. DRAFTING



운전실



# Q & A

---