ABC SPACECRAFT PROJECT

**Detailed Design Document**

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|  | Prepared By / Last Updated By | Reviewed by | Approved By |
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| Role | Tech | TL | DM |
| Signature |  |  |  |
| Date | 20th Mar 2017 |  |  |

Detailed Design

Requirement Traceability:

Components of our Spacecraft:

Structures: Parts: Dome, Deck1, Deck2, Wings

Dome: Dome consists of American national flag

Deck1: 14 cm height and 20 cm diameter

Deck2: 20 cm height and 20 cm diameter

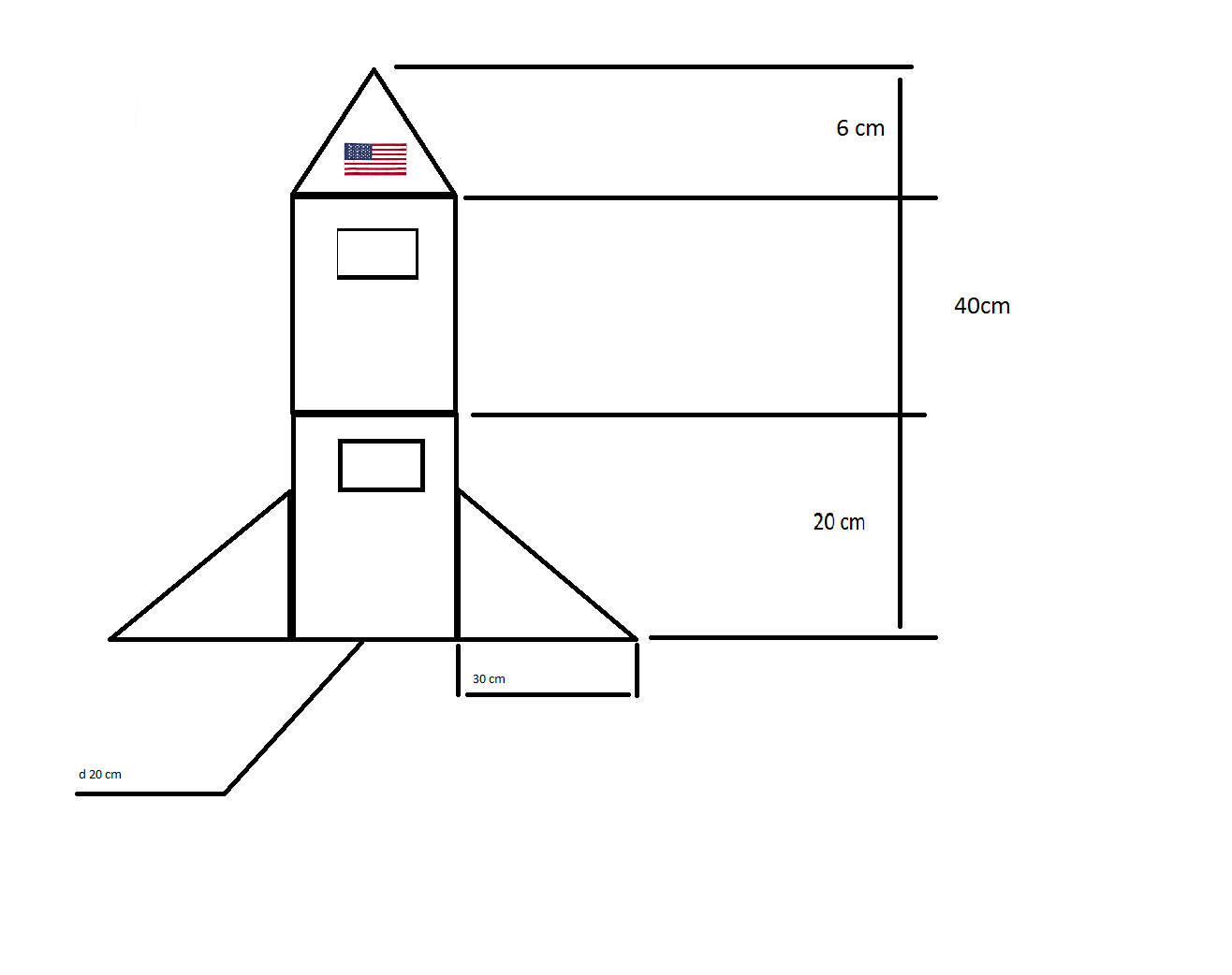
Wings: Span of 60 cm

Telecommunication: For radio communication between Earth and

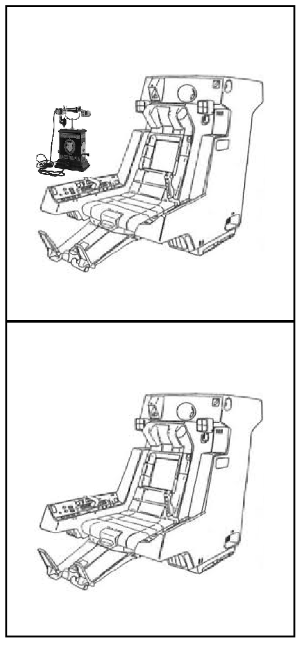
the spacecraft

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Assembled view of spacecraft (Prototype):



Exploded view:



**Lower Deck**

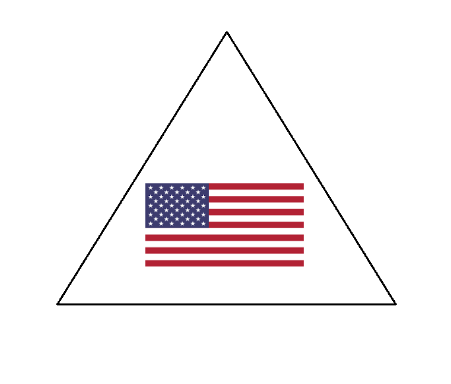
Components:

Seat

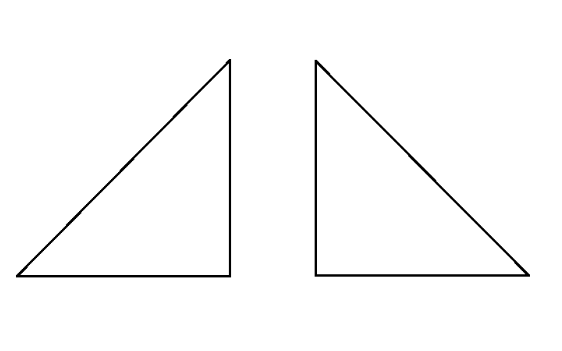
**Upper Deck**

Components:

Seat, Telephone



**Dome with American Flag**



**Wings**

**Span: 60 cm**