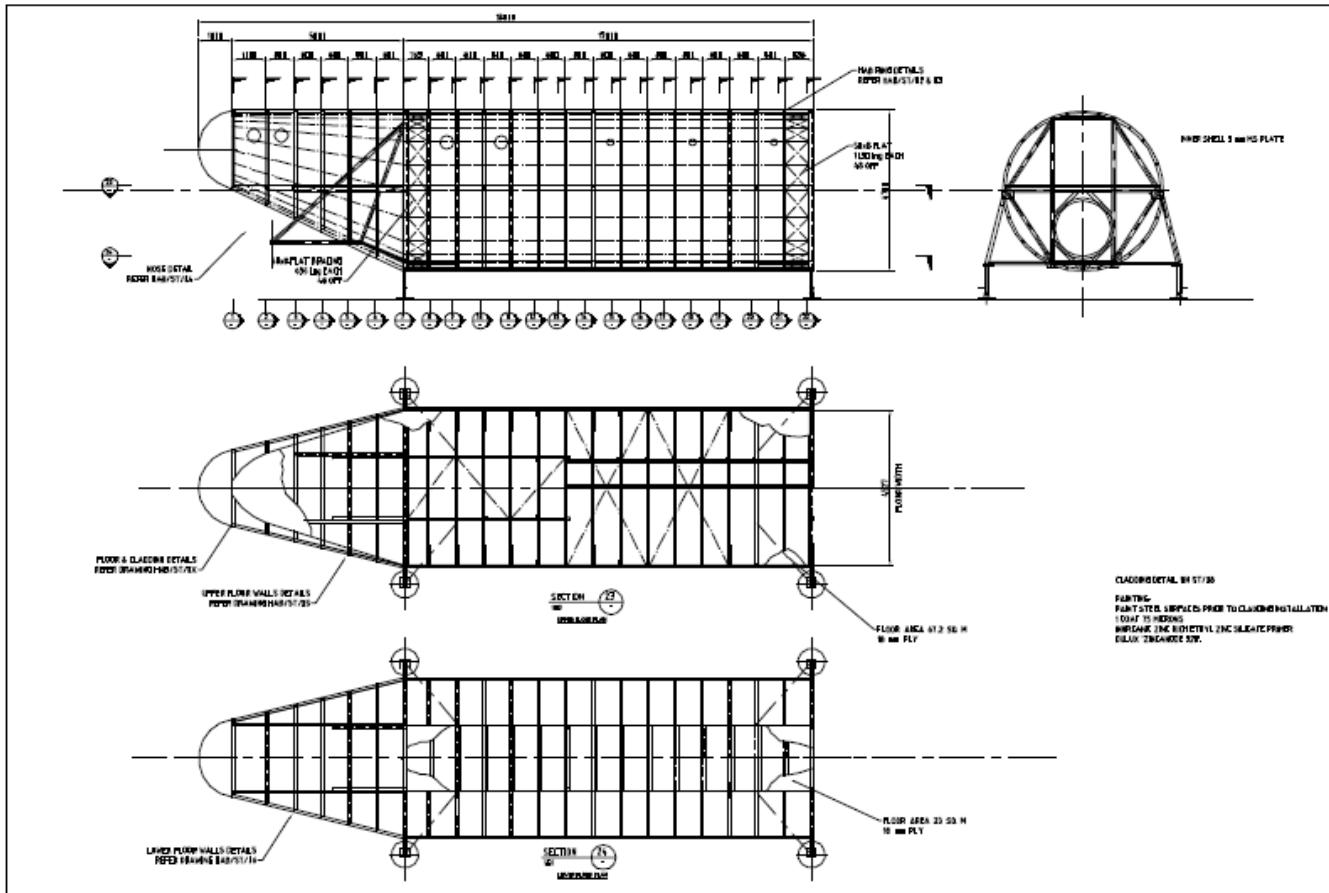


MARS-OZ:

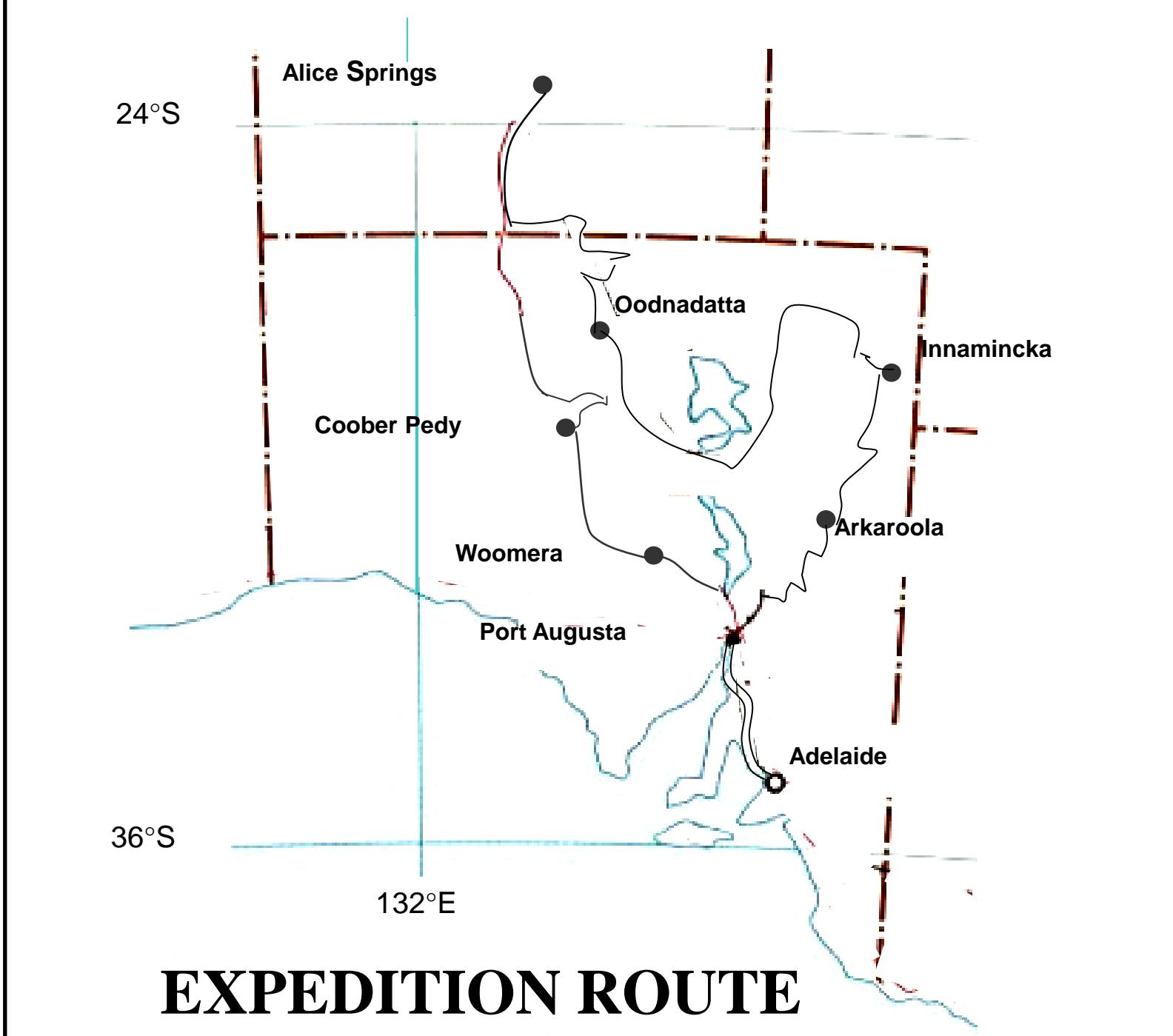
A Technical Description





BATTLER

DISCOVERY



MARS-OZ ANALOGUES I

4 m diameter fuel tank



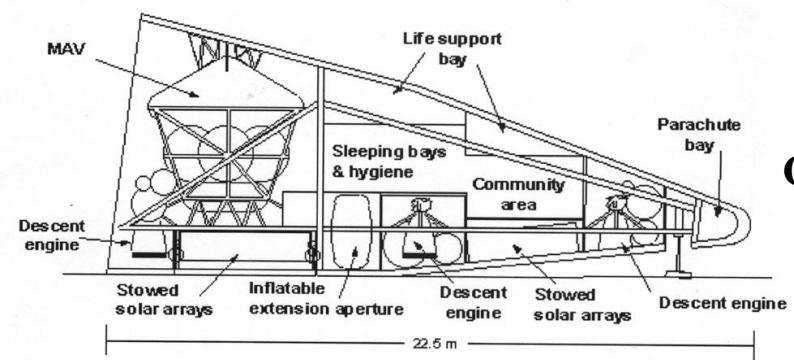
WHY MODEL A HORIZONTAL CONFIGURATION?

- **Easier to transport than alternative configurations (little on-site assembly required)**
- **Horizontal landers a strong contender for any crewed mission**
- **Other Mars Analogue Research Stations are based on Mars Direct**
- **Or not based on any specific mission architectures**
- **Imperative to test alternative configurations**

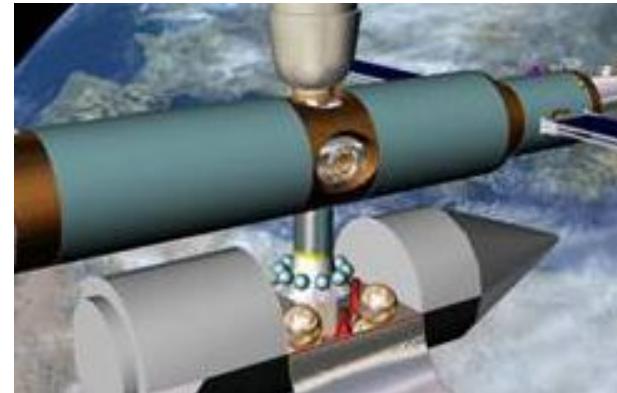
Inspirational and parallel concepts



Case for Mars 1984



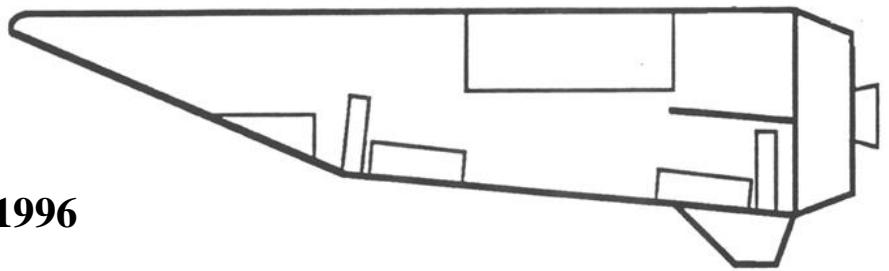
ISU 1991



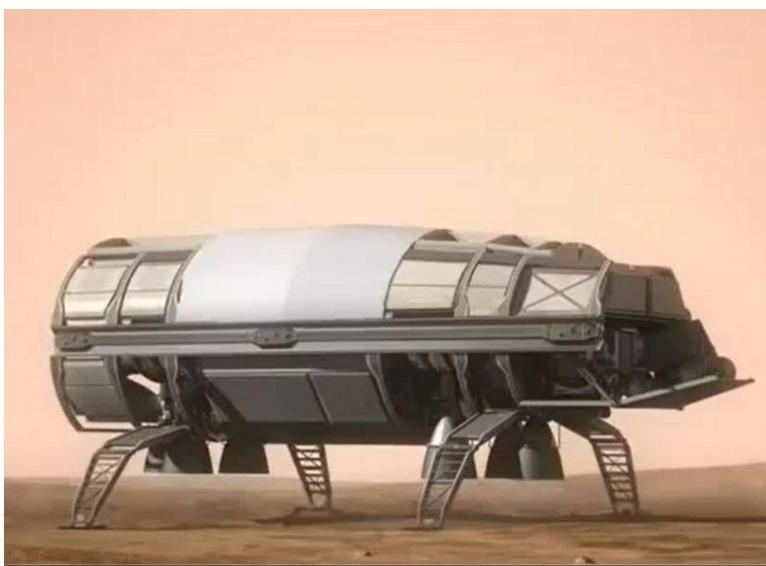
Energia 1989



DRM 4.0 2001

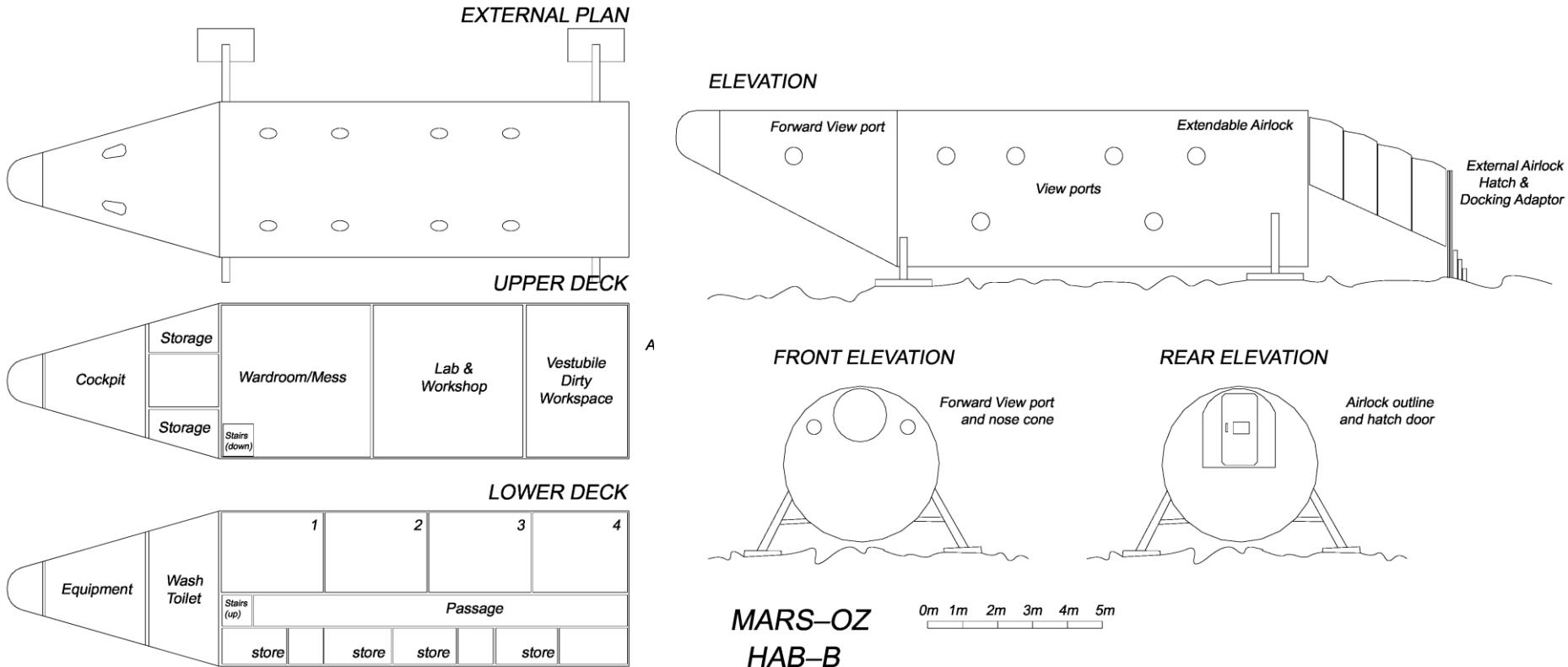


Grover *et al.* 1996

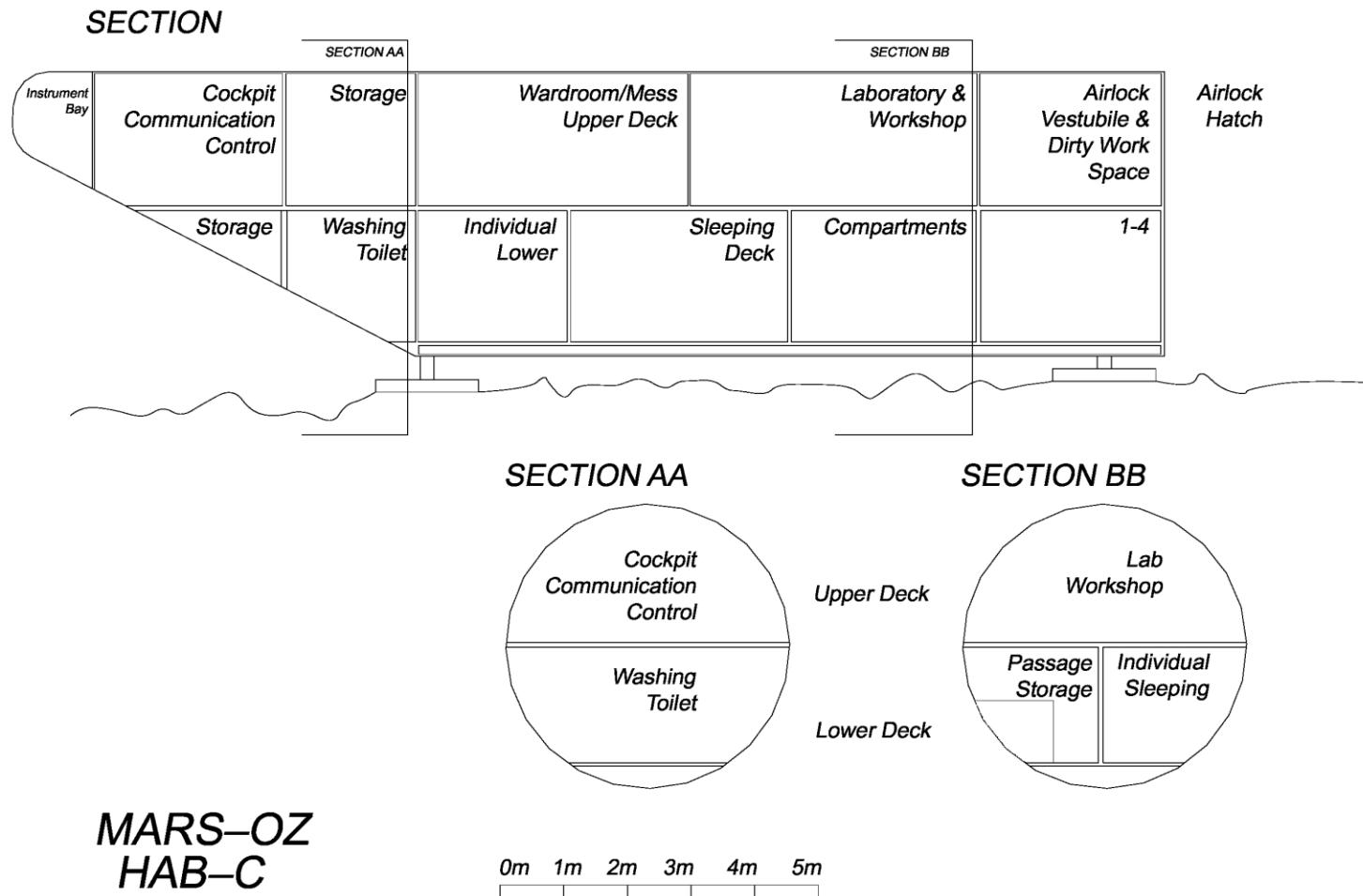


DRM 5.0 2001

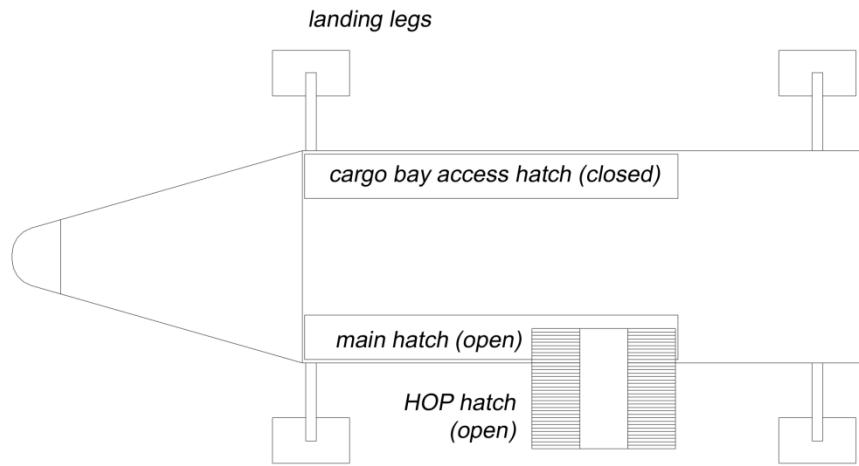
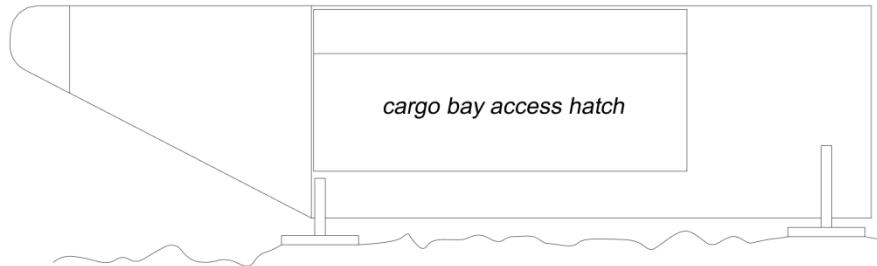
HABITAT MODULE 2002



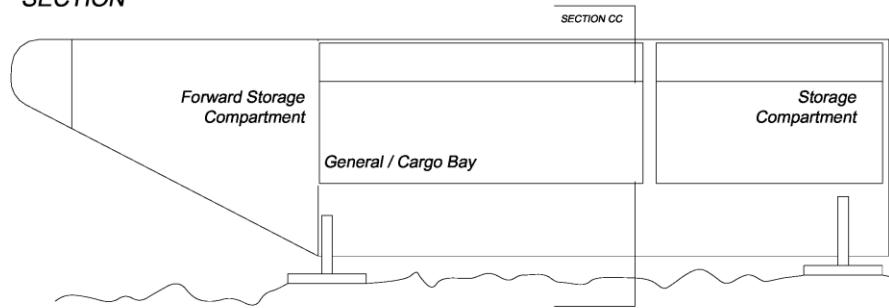
HABITAT MODULE II



CARGO MODULE 2002

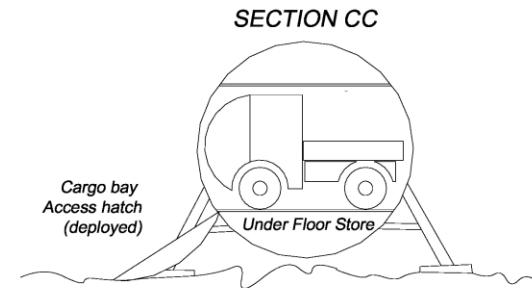


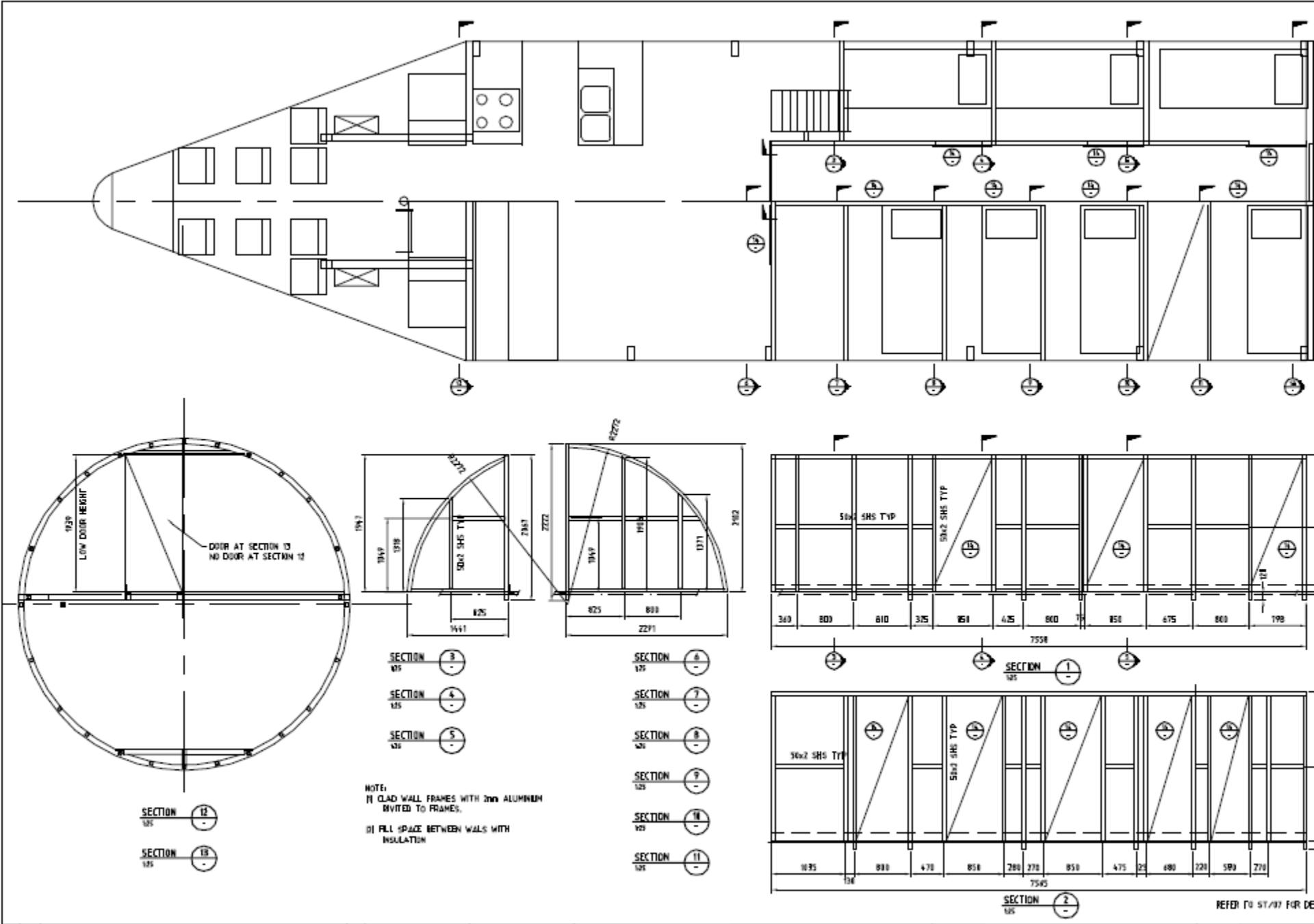
SECTION



MARS-OZ
CARGO
LANDER-B

0m 1m 2m 3m 4m 5m





DRAWING CHECK		CO-ORDINATION CHECK	
NAME:	REV:	NAME:	REV:
NAME DATE:	REV DATE:	NAME DATE:	REV DATE:
DESIGNER:	REVIEWER:	DESIGNER:	REVIEWER:

A TENDER ONLY

MARS SOCIETY AUSTRALIA

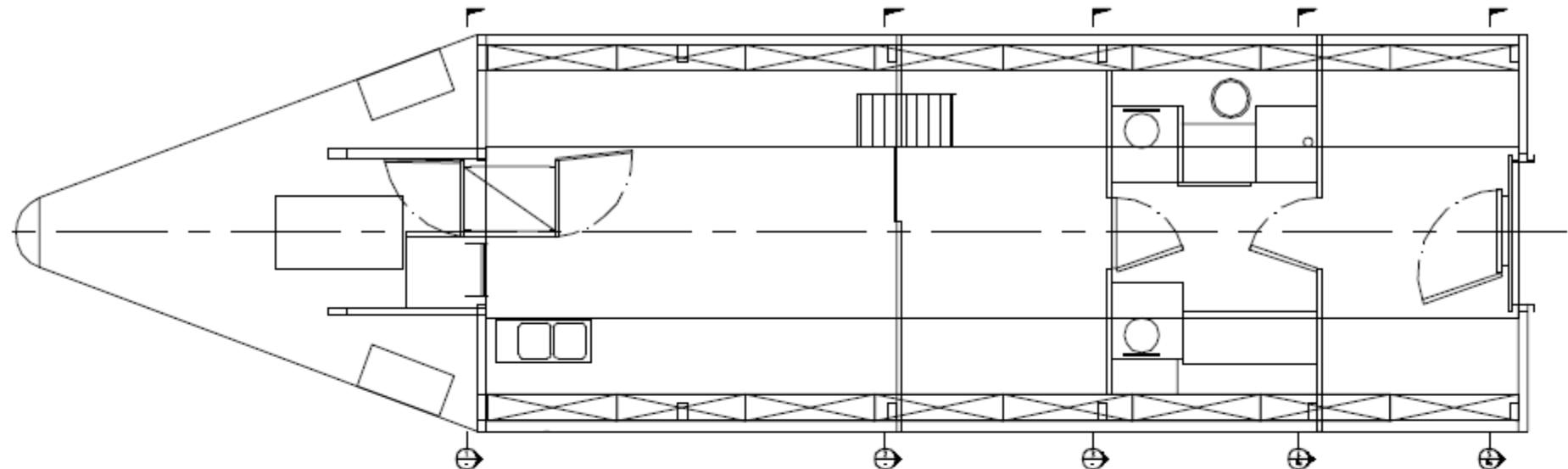
MARS-02 ANALOGUE BASE

MARS-02 HAB

HAB INTERNAL WALLS

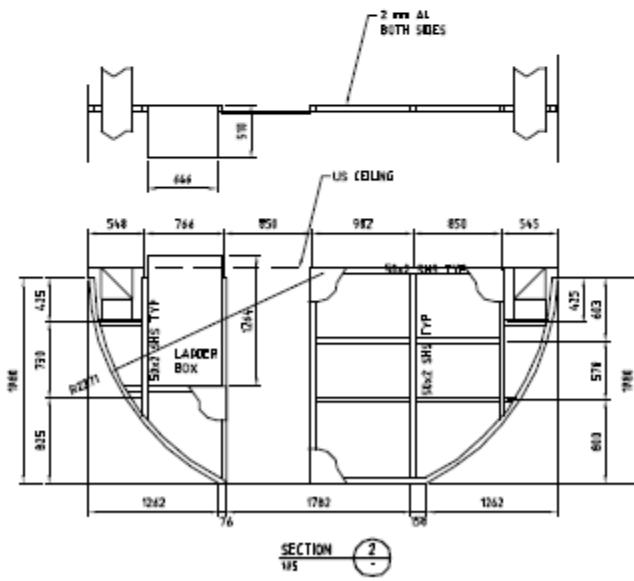
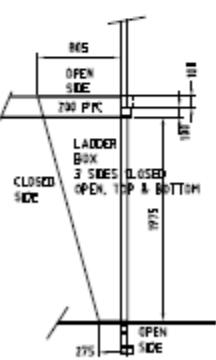
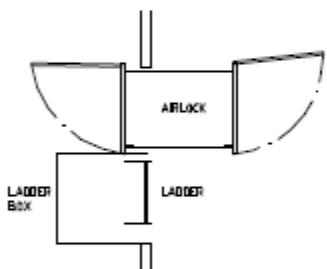
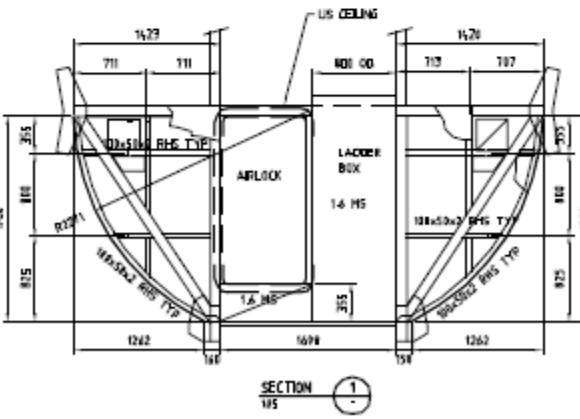
REF:	NAME:	REV:	DATE:
1	MARS-02 HAB INTERNAL WALLS	1	2012/01/15

DOC. NO. MARS-



NOTE:
11 GLAZED WALL FRAMES WITH 2mm ALUMINUM 3004
RIVITED TO FRAMES.

ALL SPACE BETWEEN WALLS WITH INSULATION



A **WINSTON TENDER ONLY**

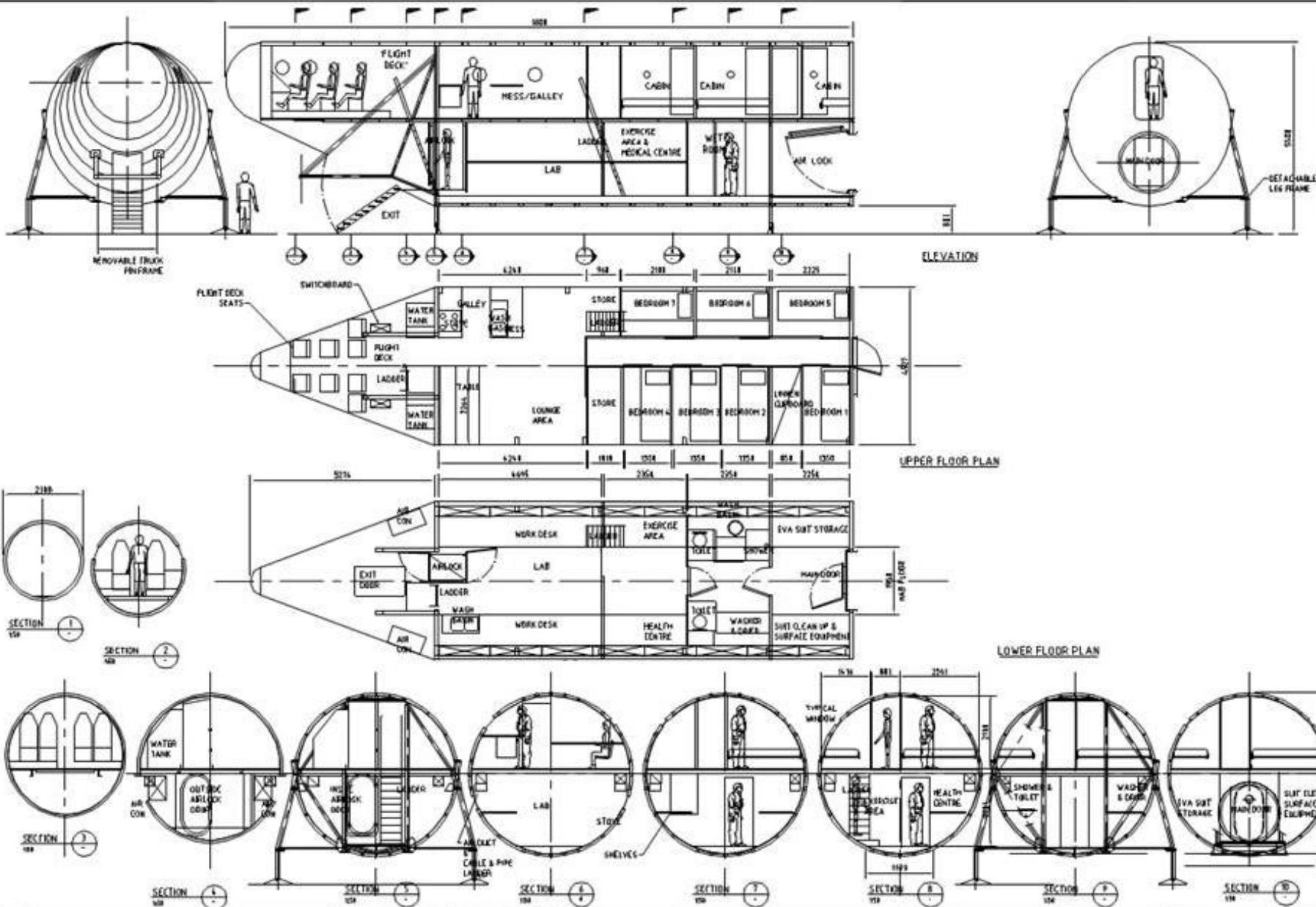
MARS SOCIETY AUSTRALIA

MARS-OZ ANALOGUE BASE

MARS-02 HAB

HAB INTERNAL WALLS

DRG No. **HAB/S**

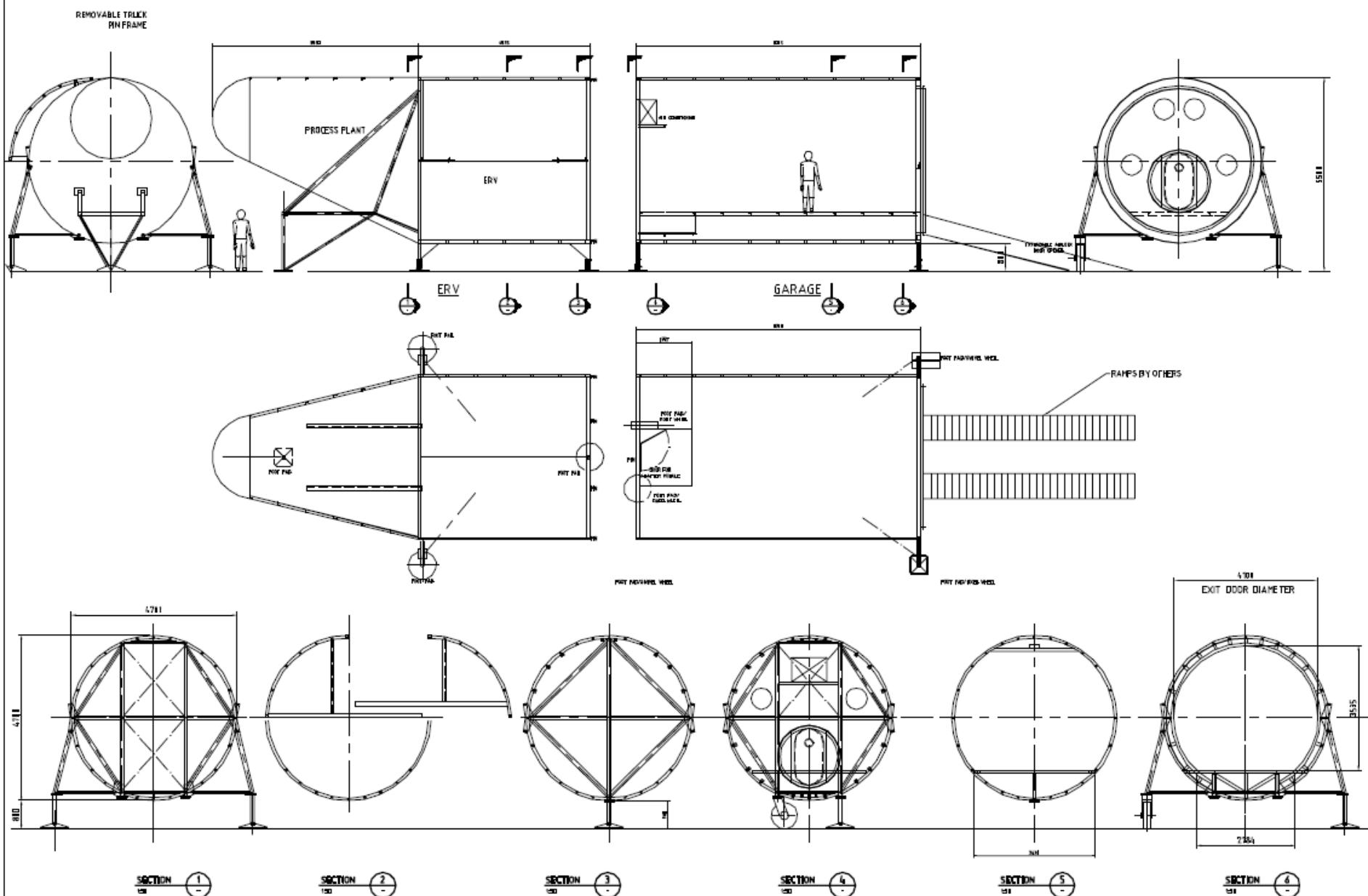


A. 1/11 TENDER ONLY
BY ME ERROR

MARS SOCIETY AUSTRALIA

MARS-02 ANALOGUE BASE
MARS-02 HAB
HAB FLOOR PLANS

A1
HAB/FLP/01



10%	100%	100%	100%

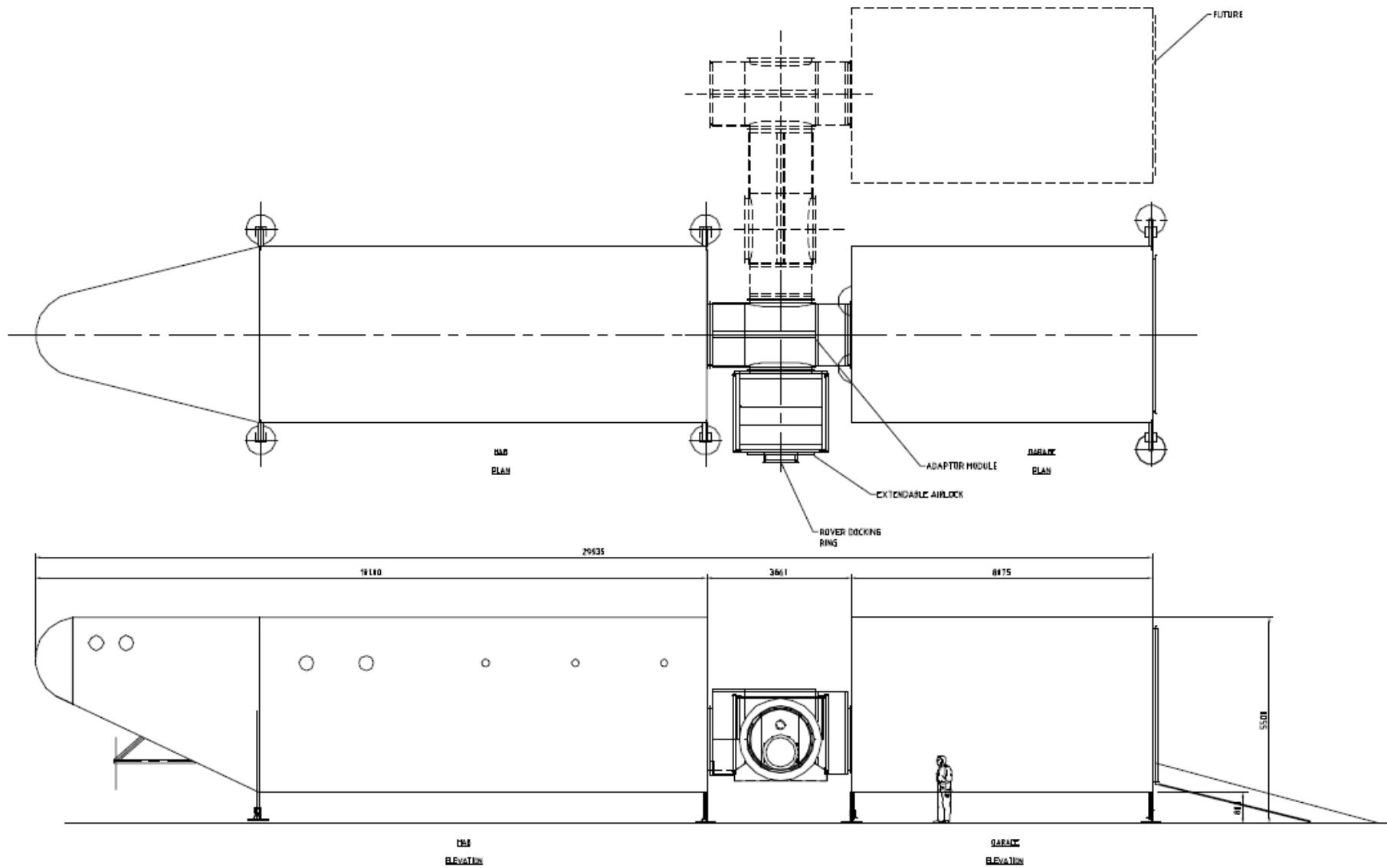
MARS SOCIETY AUSTRALIA

DRAWING CHECK		CO-ORDINATION CHECK	
MRN (P)	DM	T/A/03	MANUFACTURER (S)
ITEM (M)	DM	T/A/03	MANUFACTURER (S)
CHECK (S)	DM	T/A/03	MANUFACTURER (S)
REMOVED BY (P)		T/A/03	CHIEF INSPECTOR (S)

MARS-02 ANALOGUE BASE

**GARAGE
FLOOR PLANS**

A1
150 INDOOR N MUNICIPAL
NIGHT 5PM
GAR/FP



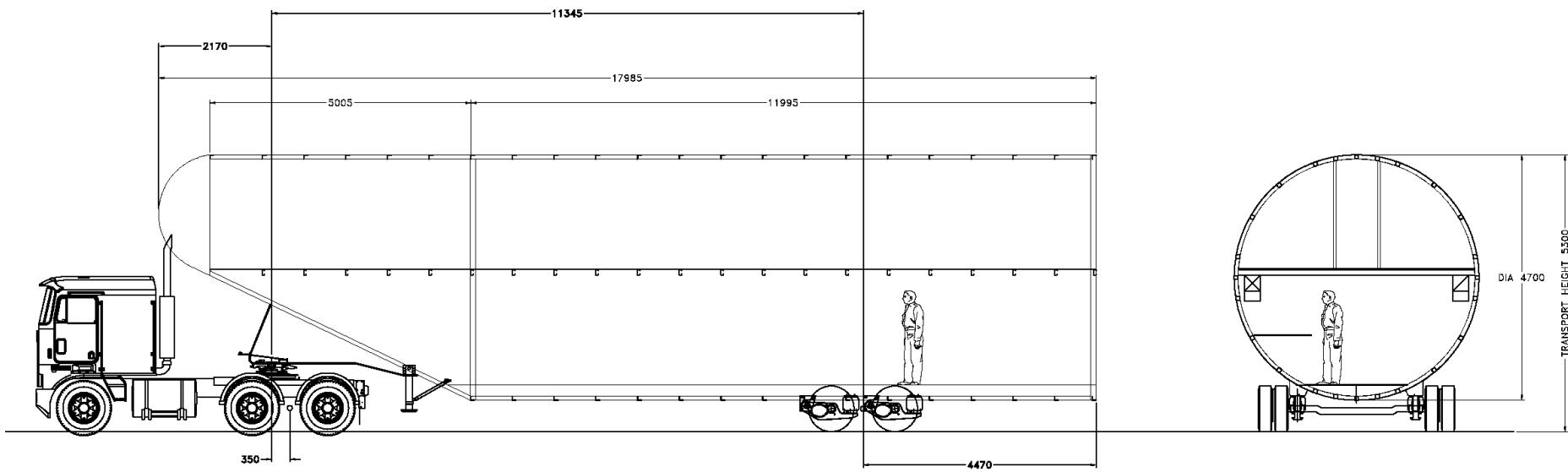
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CHARGE	DATE	CHARGE	DATE
DRAWN BY:	DRW	RECORDED BY:	
DESIGNER (NAME):	JACOB DRW	RECORDED BY:	
CHIEF INS. DRW		CHIEF INS.	
APPROVED BY:	DRW, JACOB (S)		

MARS SOCIETY AUSTRALIA

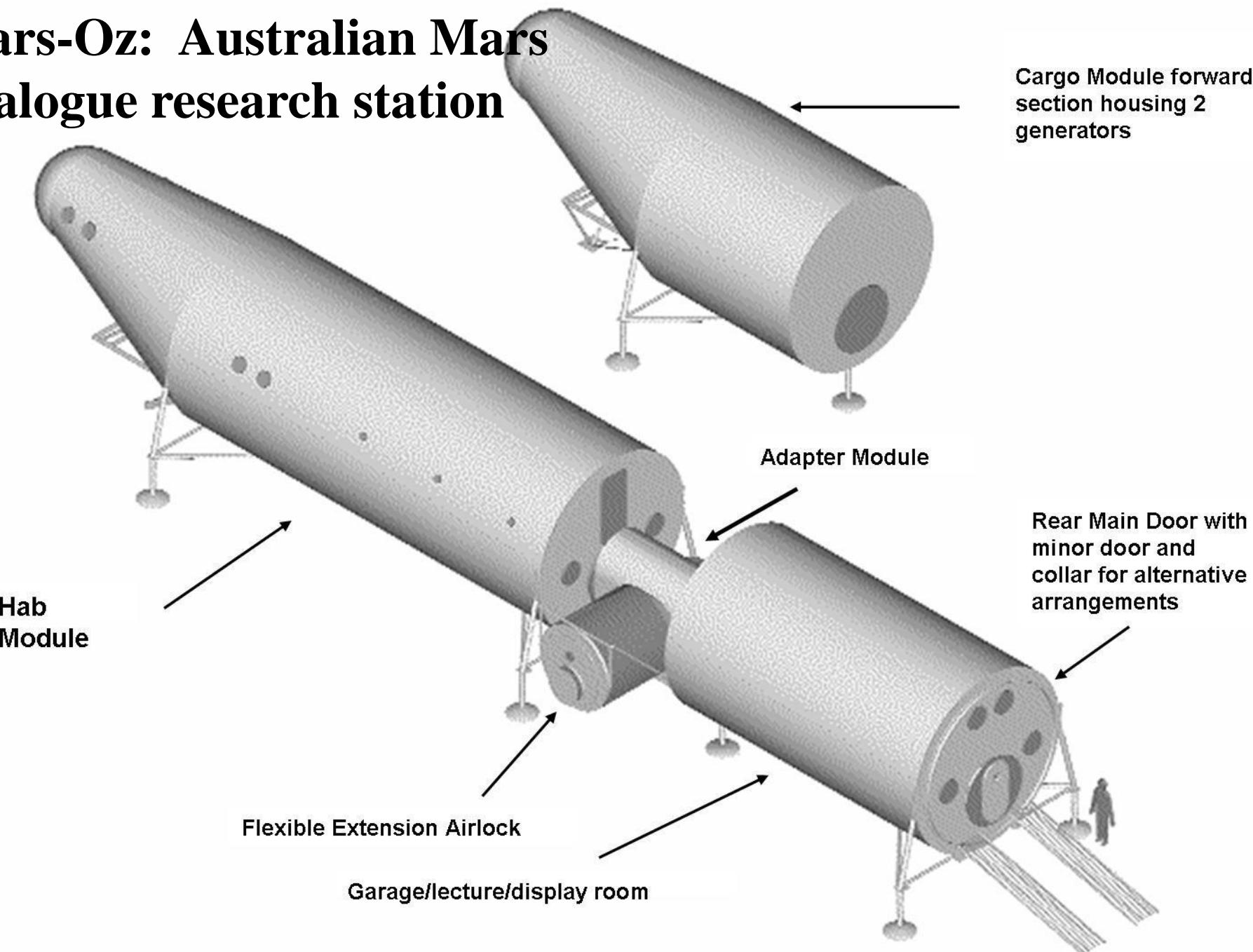
**MARS-OZ ANALOGUE BASE
MARS-OZ BASE
HAB AND GARAGE ASSEMBLY**

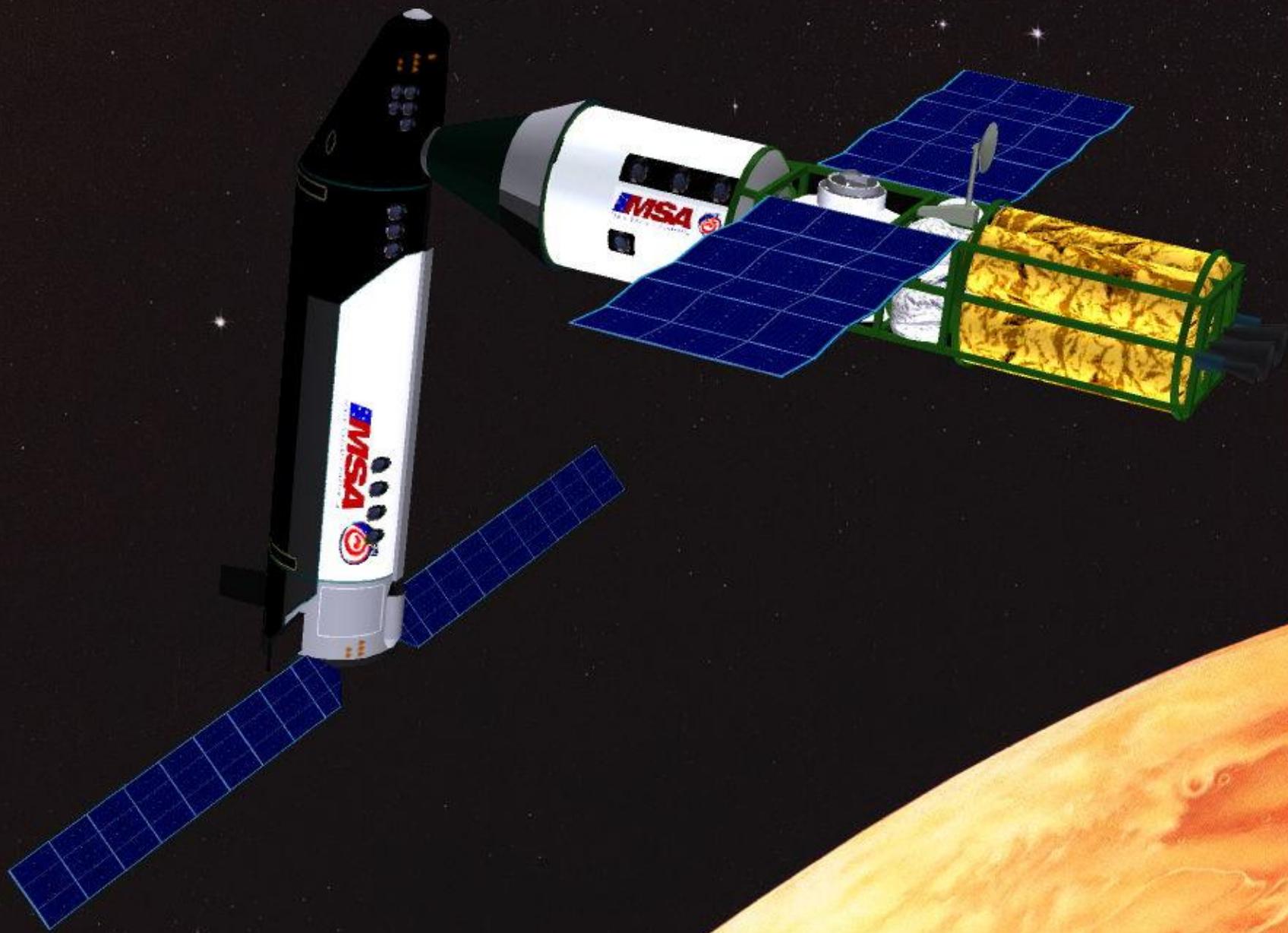
A1
HAB 758 ERÖFFNUNG
02/01/2014 10:00:00 10:00:00
DRG. No. HAB/GAR/PL

MARS-OZ A TRAILER



Mars-Oz: Australian Mars analogue research station





Starchaser MARSupial Rover

Final Design Report

MARS-OZ Design Project



Design Report

ENGN4221 Systems Engineering Project

June 2011



Final Design Report

MARS-OZ PIGLET

FINAL DESIGN REPORT

DESIGN OF A POWER SYSTEM FOR MARS OZ

Red Planet Renewables
29 May 2015

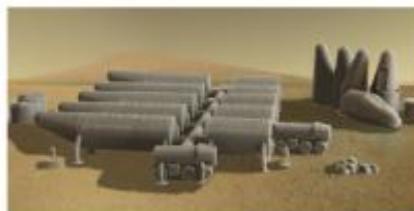
MARS-OZ Design



Mars-Oz Mission Design

Beyond the Mars-Oz Reference Mission

Mars-Oz Mission Design



Mars Station
2016

Final Design
Report:
Version R1.00

Page 3
2014

Mars-Oz Analogue Research Station Sub System
Research and Development Project:
Martian Habitat Lower Deck Work Spaces

A Collaboratoryative Project between
Mars Society of Australia and the Australian
National University



MARS SOLAR

MARS-Oz Solar Carpet Robot

Final Design Report



DISCUSSION

