


Request for Quotation	REV	A					 <b>MARS SPACE CONSTRUCTION, LLC</b> Montgomery, TX 77356 All we have to do is SCIENCE the HELL out of this					
							Texas Registered Engineering Firm F-XXX					
							Work by Mars Space Construction, LLC					
							Doc. I.D.	DES-Starship-005	Page	1 of 3	REV.	A
							Job No.	XXXXXXXX	By:	GJR	Date	11/22/2021
REV	Description		Eng	Date	Appr	Date						
<b>REVISION HISTORY</b>												
<p align="center"><b>Title: Starship Module - MSC Food (Dry Storage)</b></p> <p>Design Variables need to be defined: <u><a href="#">Links to other specifications</a></u></p> <p><u><a href="#">Water</a></u>  <u><a href="#">Oxygen</a></u>  <u><a href="#">Lighting</a></u></p> <p>Water Required?</p> <p>Lighting Required?</p> <p>Amount of Food Grown?</p> <p>What is the amount of food needed per person per day?</p> <p>Types of Food Grown in Green House:</p> <ol style="list-style-type: none"> <li>1. Greens – Lettuce, kale, spinach</li> <li>2. Radishes</li> <li>3.</li> </ol> <p>An astronaut on the ISS uses about 1.83 pounds (0.83 kilograms) of food per meal each day. About 0.27 pounds (0.12 kilograms) of this weight is packaging material.</p> <p>Food sources will include carry from Earth and food grown or raised on Mars. Carrying of Food from Earth requires expensive storage.</p> <p><b><u>NASA Reference Material:</u></b></p> <p><u><a href="#">Hydroponics (16.30) – growing food. Food module, Netherlands, bio experiments (YouTube)</a></u></p> <p><u><a href="#">Hydroponics (10.5) – growing food in water solution, send module to Mars with plants already into one half of their growth cycle. Send hydroponics lab already functioning and producing food.</a></u></p> <p><u><a href="#">Sustenance – NASA video (21.40-22.45) greenhouse module 18ft length x 8ft dia. hydroponics system.</a></u></p> <p><u><a href="#">Recycled “Goo” – NASA video (22.43-23.32) introduces microbes into waste, aerobic digestion, methane released, by-product introduced into greenhouse as soil additive.</a></u></p> <p><u><a href="#">Robot Swarm Bees - NASA video (24.00 - finish) introduces robotic bees to do surveillance and mapping on Mars</a></u></p> <p><u><a href="#">(Sustenance In Space by NASA)</a></u></p>												
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