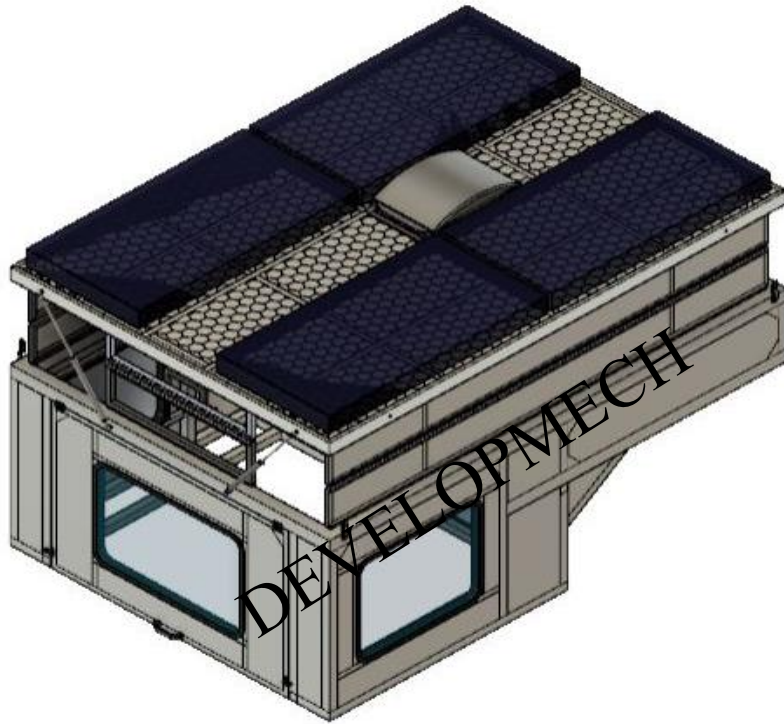
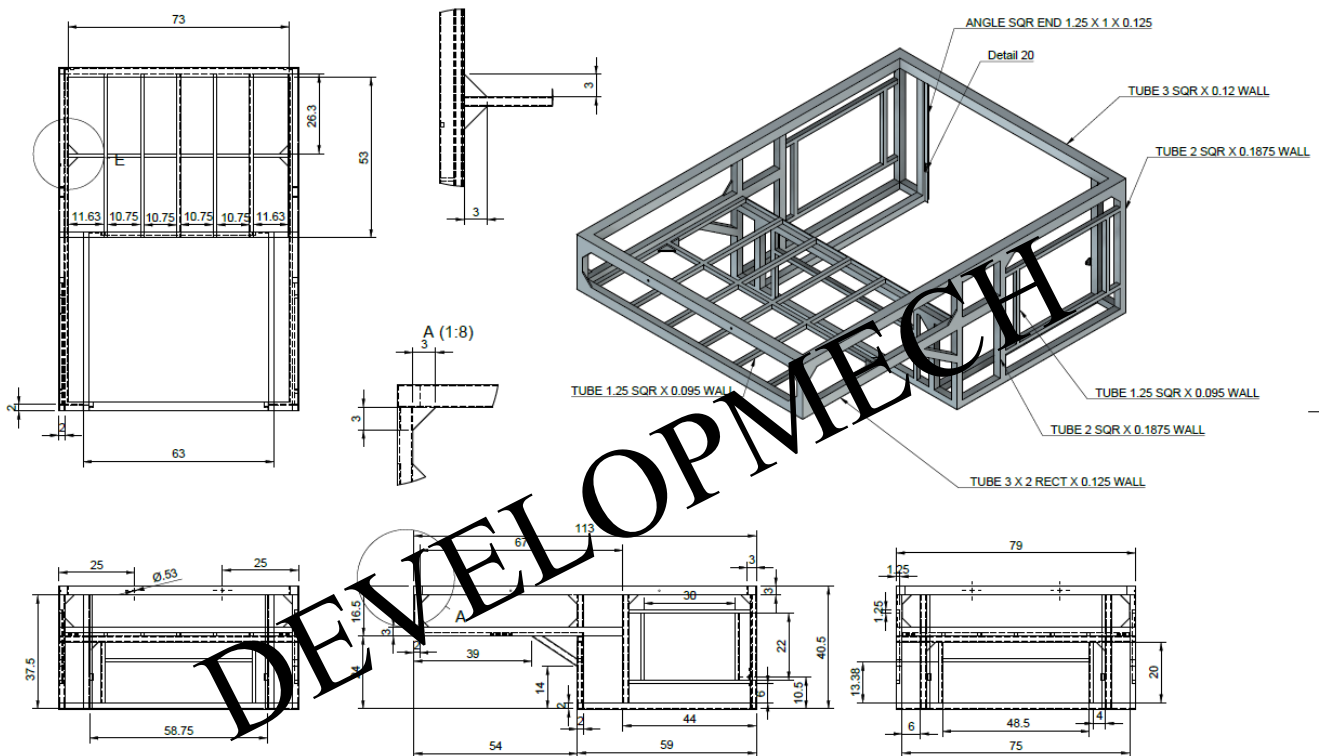


Camper Design for Nissan Ford 2022



E (1:8)



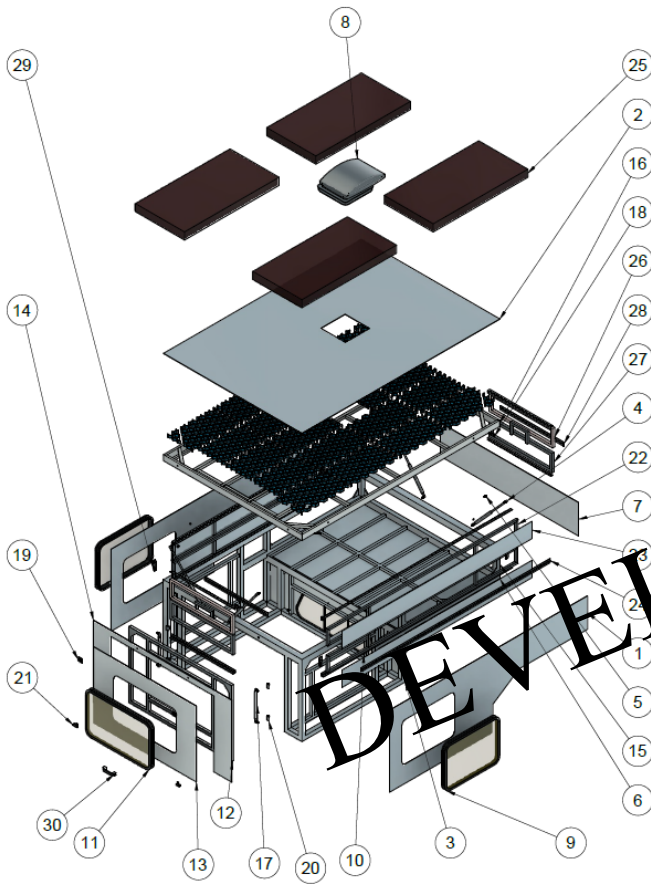
Dept.	Technical reference	Created by	Approved by
		Document type	Document status
		Title	DSG No.
		Main Structure	
Rev.	Date of issue	Sheet	
		3/7	



SOLIDWORKS

Analyzed with SOLIDWORKS Simulation

Simulation of M S 0412



Parts List			
Item	Qty	Part Name	Description
1	2	Side sheet	1 mm
2	1	Top sheet	1 mm
3	1	Front rear sheet	1 mm
4	4	Gas spring for roof	Extended Lg 26 Compressed Lg 14
5	8	Aluminum Heavy-Duty Rivet Nut	Rivet nuts M10 for gas springs
6	1	Bottom sheet	1 mm
7	1	Front sheet	1 mm
8	1	Maxxair Maxxfan Deluxe 14in	Exhaust
9	2	Side window	Window 30"x22"
10	1	Rear window	Rear sliding window
11	1	Back window	Window 36"x22"
12	1	Back door Frame	Aluminium Frame
13	1	Back Door Sheet	1 mm
14	1	Back sheet	1 mm
15	1	Main structure	Aluminium Frame
16	1	Roof With Honey Comb.	Aluminium Frame with 1.25 in thick Honey comb
17	2	Gas spring for back door	Extended Lg 27 compressed Lg 15
18	2	Spring-Loaded Side-Bolt Latch	Latch for Locking the Lifting Mechanism
19	2	Surface-Mount Hinge with Holes	Hinge for Back Door
20	2	Mounting Bracket for Back Door Gas Spring	Mounting Bracket For Back Door & Gas Spring
21	2	Screw-on Turn Latch	Latch for Back door
22	4	Roof side sheet frame	Aluminium frame
23	4	Roof frame sheet	1 mm
24	12	Roof Hinge	Piano Hinge 108 in
25	4	Soler Panel	200 watt solar panel
26	2	Roof lifting up	Aluminium Frame
27	2	Roof lifting down	Aluminium Frame
28	12	Hinge without Holes	Piano Hinge 36 in
29	4	Roof Latch	Latch for close lifting Mechanism
30	1	Pull Handle	Handle For Door

Dept.	Technical reference	Created by	Approved by
		Document type	Document status
		The B.O.M	Draw No.
			Rev. Date of issue Sheet 1/7

Model name: M S 0412
Study name: Static 1(-Default-)
Plot type: Factor of Safety Factor of Safety1
Criterion: Automatic
Factor of safety distribution: Min FOS = 2.2

