Appendix E. Mechanical PVDR Form



ASC2018 Mechanical PVDR Form

School/Team:	University of Waterloo /	' Midnight Sun Solar Car Team	Entry # 24
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Mechanical PVDR/Table of Contents

1.	History of tear	n and vehicle (one paragraph)	page	3
2.		cle: Single-Occupant (), Multi-Occupant (_x_) check one	page_	
3.		t (estimate) (<u>550</u>); Units (<u>x</u>) kg (<u>)</u> lbs,		
4.		ption shall be presented by profile and top view drawings showing		
	the placement	of major components such as driver, battery, ballast box, crush zone,		
		unting points, etc, along with overall dimensions including wheel base		_
	and tread		page_	3
5.		is and roll cage type: tubular frame (x), composite (), check one.		
		show the driver positioned in the frame/chassis, compliance		2
c		3,10.3.B,10.3.C, and description of method of construction	page_	_3
6.	10.3.G	rofile and frontal drawings shall show compliance with Regs 10.3.F and	naga	6
7.		point (_x_), 6 point (), check one	page_	
٠.		indicate location of mounting points and compliance with Reg. 10.3.E	page_	6
8.		em: Front wheel only (<u>x</u>), Front-rear (), check one.	pago_	
		d description of primary braking system shall show		
	compliance wi	th Regs.10.5 and 10.6	page_	6
9.		em type: rack and pinion (<u>x</u>), other (<u></u>), check one.		
		all include component selection and specs	page_	11_
10.		sion: type: a-arm (<u>x</u>), other (<u>)</u> , check one		
	Description shall include drawing/photos, component selection and engineering			
		onstrating proper selection and sizing of rod ends		12
11.	with shear loa	os sion: type: a-arm (), swing arm (_x_), other, check one.	page_	
11.		rall include drawing/photos with component selection and specs, and		
	engineering analysis demonstrating proper selection and sizing of rod			
	ends with she	, , , , , , , , , , , , , , , , , , , ,	page _	13
12.		method of analysis to be used to prove structural integrity	P . 3 -	
		onditions as per Appendix D, Section D.1	page _	13
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