

A Design Specification for The Great Recovery 2020

FOCUS		CRITERIA	JUSTIFICATION	SPECIFIC, REALISTIC AND USEFUL METHODS OF TESTING
		The solution must...	...because/ so that/in order to/the user requires/ research informs us that...	This will be tested by...
HUMAN CENTRED DESIGN	User needs	Most important	...enable the user to / afford the user the capability of...	
	User wants	Optional extras	...enable the user to / afford the user the capability of...	
	Functional Ergonomics	In order to be operable and functional	...the product must...	
CRITICAL DIMENSIONS	Human Dimensions	Anthropometrics	...be built around the following range of measurements...	
	Component Dimensions	Standard components	...take advantage of the following standard components...	
	Environment Dimensions	Interior/ Architectural/ Geological	...take account of the size of the spaces where it will be used...	
ENVIRONMENTS OF USE	Functional requirements	The range of conditions the solution must serve in	...the product must...	
CIRCULAR ECONOMY- (TOWARDS THE GREAT RECOVERY)	Reduce Waste and Pollution	Materials	...minimise material wastage and pollution by...	
		Manufacture	...minimise waste and pollution in manufacture by...	
	Keep products and materials in use	Durability	...be made durable by...	
		Maintenance	...be designed to be easy to maintain by...	
	Regenerate Natural Resources	Sustainable Sourcing	...ensuring that material is sourced from sustainable and certified suppliers such as... / ...ensure that biological nutrients can be safely returned to the earth by...	
SDG	Sustainable Development Goal issues related to the design problem	(Select 1 or more)	...be designed to support the SDGs by...	
STYLING	Delight the user	Aesthetics. Appeal to senses, and to the user's narrative	...be designed to be attractive to the user and target market by...	
	Effect of Function on form	Visual semantics	...be made intuitive to use with as little learning as possible by...	
	Fashion Trends	Short term initial sales	...fit in or not clash with current fashion trends by...	
	Circular Economy effects on styling	Aspects of styling that may be strongly guided by Circular Economy Needs	...all styling must conform to the ideals of a circular economy by...	
COSTING ISSUES- HOW TO OPTIMISE PROFIT AND QUALITY	Efficient waste free manufacture	Minimise material use and waste	...be designed to use the bare minimum of appropriate materials whilst still functioning effectively, in these areas... ..eliminate wastage of material and biological nutrients by...	
		Minimise energy use and waste	...minimise waste and pollution in manufacture by...	
		Minimise labour costs	...maximise the efficiency of labour by...	
	Maximise Quality	Design	...be designed so that even the smallest detail serves to improve the quality of the solution, in this case by...	
		Engineering	...appropriate and fine tolerances in the following areas.../ skillful use of these tools...	