## Team Yellow Wall Ace Product Contract

Needs	Component	Attribute	Metric	Unit	Value	Person
Easy to transport	Posts	Fit in a standard sized car	Post min. height	ft	< 7	Fiona, Jeremy,
						Rane
		Can be carried by 1 person	Weight	lbs	<20	Fiona, Jeremy,
					4.00	Rane
	Panels	Fit in a standard sized car	Panel width	in	= 36</td <td>Caitrin and Kelly</td>	Caitrin and Kelly
		Fit in a standard sized car	Panel height	in	= 36</td <td>Kelly and Caitrin</td>	Kelly and Caitrin
	Top Molding	Fit in a standard sized car	Width	in	=36</td <td>Helen, Caitrin,</td>	Helen, Caitrin,
						Kelly
Easy to Install	Posts	Guided set up	Constrained in x, y, & z direction?	binary	Yes/No	Laura
		Quickly set up	Time to set up post	min	<10	Karlen
	Panels	Quickly set up	Time to install one section	min	<3	Michael
			of panels			
		Weight	Panel weight	lbs	<5	Caitrin and Kelly
	Doors	One or two people can install	Weight of door	lbs	<30	Esther, Alex,
	D0013	One of two people can install	Weight of door	103	130	Eugene
	Endcap	Fine adjustment can be	Torque to tighten endcap	N-m	0.3N-M	Rane
	Linacap	tightened with the strength of	To que to tigriteir enduap		0.0.7	
Structurally	Posts	Does not buckle under	Deformation of post (in any	in	<0.1	Fiona, Jeremy,
	. 6515		direction)		10.2	Rane
Stable/ No damage	Panels	Won't fall out when you push	Force normal to wall which	N	>445	Caitrin
		on it	the panel withstands			
		Supports upper panels	Sit flush with bottom of	binary	yes/no	Kelly and Caitrin
		a spiral section in the section in t	floor	,	,, -	', ' ' ' ' ' '
			Load capacity in vertical	lbs	<40	Caitrin and Kelly
			direction			,
	Doors	Attachments must hold up the	Load capacity of door	lbs	>30 (or weight of	Esther, Alex,
		weight of the door	attachments		door)	Eugene
	Endcap	Force on ceiling	Force	N	70 <x<200 n<="" td=""><td>Sherife</td></x<200>	Sherife
		Friction force is sufficient to	Friction force	N	>360	Fiona, Jeremy,
		keep post up				Rane
Vertically fits the	Posts	height spans necessary range	Post obtainable heights	feet	7-10 ft	Fiona, Jeremy,
space	Top Molding	Covers gap between top of	Height	inches	>6	Rane Helen, Caitrin,
	Top Molums	wall and ceiling	neignt	michies		Kelly
	Doors	Fits interior door specs	width and height	inches	34" X 84"	Esther, Alex,
D	Panels	Materials	Sound Transmission Class	STC	>30	Eugene Esthor Alox
Reasonably	raneis	iviateriais		310	/30	Esther, Alex,
	Top Molding	No air gap between ceiling and	Rating	binary	yes/no	Eugene Helen, Caitrin,
	TOP WIGHTING	wall	i iusii agairist tile tellilig	Dillal y	yes/110	Kelly
	Doors	Appropriate materials, no gaps	STC rating	STC	>30	Esther
Must be fire safe	All	Materials	Pass the UL 72 fire resistance test	binary	yes/no	Caitrin