FLUID POWER CHALLENGE DÉFI ÉNERGIE DES FLUIDES

Design Portfolio Rubric for Pick 'n Place Challenge Grabber

(short version)

	Criteria	Points
Portfolio Rubric *Total possible points: 35*	• Quality of portfolio's presentation including title and index pages	0 – 5
	• At least three illustrations of the initial design concepts of a possible grabber	0 – 5
	• List of materials that would be used to build a prototype	0 – 5
	• Description of the use of principles of structural strength and stability	0 – 5
	• Rationale used do decide on the type of fluid power used and where to place the piston-syringes	0 – 5
	• An isometric drawing of the portion of the prototype used to grab the object	0 – 5
	• An orthographic drawing showing dimensions and construction notes	0 – 5
Tie-Breaker Questions *Total possible points: 10*	• What alternative designs did you consider before selecting one as the design of the prototype grabber?	0 – 5
	• Why did you select this design?	0 – 5

Canadian Fluid Power Association
Association canadienne d'énergie des fluides