

RANGER

Other issues

Al Ruwaad Model School	Innovation Touch	Fuse calculations on SID are just maximum power, not calculations of components. Calculations in safety review are good. No mention of micro-ROV or fluid power.
Alev High School	Alev Robotics	No fuse calculations on SID. No photo of Anderson powerpoles. Photo of fuse holder, but no photo of fuse. Company safety review fuse calculations show 30 amps, but must use a 25 amp fuse or less. Motors are not shrouded to IP-20 standards. No photo of control system; unable to verify any safety issues. A kill switch is not tether strain relief; your vehicle must have tether side strain relief. No mention of fluid power. No mention of micro-ROV.
Alpena High School	Underwater Research Robotics UR2	No mention whether fluid power is used.
American School of Bombay	MantaRays	No fuse calculations on SID or in safety review. No mention of micro-ROV.
Aptos High School	Seal Team Scalyr	-
Beijing National Day School	DeepDive BNDS	Fuse calculations on SID have no total value * 150%. No bottom side strain relief. Wires going into gland is not sufficient, need additional strain relief.
Boston College High School	Milton SLS	No SIDs or Company Safety Review turned in. Unable to determine if there are any safety issues.
Brooks DeBartolo Collegiate High School	Phoenix Robotics	No fuse calculations on SID.
California Academy of Mathematics and Science	45C	-
CMA Secondary School	CMAss Robotics	-
Cottonwood High School	Ursa Apex Robotics	-
DB-Excel	R-Mateys	SID fuse calculations show values that should use 15 amp fuse, not 25 amp fuse. No micro-ROV SID.
Design Vision	Aqautic Robotics	No micro-ROV documentation.

RANGER

Other issues

Dundee City Campus	Deep Sea Dundee	No cameras or other systems shown on SID, only motors. No fuse calculations on SID or in safety review. No mention or documentation of micro-ROV.
Glacier High School	Altum Operations	SID shows 25 amp fuse. 15 amp fuse shown in photo in safety review. No mention of fluid power in company safety review. ROV side strain relief is not sufficient. Zip ties alone are not sufficient strain relief (ELEC-024).
Granby High School	Granby Girls in Engineering	-
Harrington Middle School	HMS Seabots	-
Heritage Collegiate	Heritage Collegiate	No fuse calculations on SID. Check for sharp edges on motor shroud wires.
Hoffman Estates High School	HAWKS Engineering	No bottom side strain relief. Epoxy/glue is not sufficient. If tether is pulled, should not strain wires going into housing. Improperly colored Anderson powerpoles - red connected to black.
Homeschool	Deep Ocean Robotics	-
Kwok Tak Seng Catholic Secondary School	KTS Dolphin	-
Ideale Schools	Electro Gills	Math mistakes on your SID fuse calculations. Micro-ROV SID shows 25 amp fuse. Micro ROV is limited to 7.5 amp fuse. No photos of control system in Company Safety Review, unable to evaluate safety issues.
Moody High School	Aquabot Technicians	No photo of ROV side strain relief.
Mount Olive High School	Loggerhead ROV	-
Mountain Oaks School	Extreme Ocean Observing System Repair Company	-
Mt. Pearl Sr. High School	Husky Explorer	-
North Broward Preparatory School	H2O Bots	SID is not 1 page. SID shows fuse size, but no fuse calculations. Should not use MATE SIDs, but should create your own SIDs.

RANGER

Other issues

North Paulding High School	North Paulding Robotics	SID is not higher level interconnection diagram.
O'Donel High School	OD-4D	Company Safety Review and SID fuse calculations with 150% overprotection indicate you should use a 20 amp fuse, not a 25 amp fuse. No mention of micro-ROV.
Oostburg High School	Oostburg ROV	No cameras shown on SID; make sure cameras are powered from MATE supply.
Patrick Henry CCF	Dasyatis	SID shows incorrect fuse size (12 A). Should use 20 amp fuse. SID fuse calculations incomplete - do not show total and overprotection value. Total is shown in company safety review. No mention of fluid power or micro-ROV.
PT STEM Club	Sea Dragons	-
Puiching Middle School	The Phoenix	-
Robo-Tech	Robo-Tech	SID shows a 30 amp fuse. ROVs are limited to 25 amps. Company Safety review shows proper fuse and fuse calculations. No mention of micro-ROV.
Robotics Clubs USA	Kepler Enterprises	Fuse symbol on SID marginal. No fuse calculations on SID. You must have only a single connection point to power, company safety review shows two connection points. No photo of ROV side strain relief; wires going through penetrators is not sufficient strain relief. No mention of fluid power.
ROV Indonesia	SURO	Make sure the servo motors for your gripper get power from the main power supply. Propellers are not shrouded to IP-20 standards.
SEAL Robotics	SEAL Robotics	
Sidwell Friends School	Fox Enterprises	No bottom side strain relief. Wires going into connectors/penetrators is not sufficient strain relief (ELEC-024).
South Shore Regional Centre for Education	South Shore Robotics	Company Safety Review did not meet requirements set forth in manual. Unable to determine if safety issues exist.

RANGER

Other issues

Stansbury High School	Sea Storm	-
Staples High School	Curiodyssea	-
Tesla STEM	SeaPreme	Fuse on SID does not use standard symbol. No mention or documentation of Micro-ROV.
The Center for Robotics Development	RoboCenter	Connection to power not red/black Anderson powerpoles.
Vortex Brainnovates	Vortex Brainnovates	No fuse calculations on SID (max fuse size allowed is not fuse calculations). Uses an EXPLORER class power connector, not RANGER red/black Anderson Powerpoles. You must use Red/Black Anderson powerpoles or you will be unable to compete. No bottom side strain relief. Wires going into penetrators is not adequate strain relief (ELEC-024).
Walter Payton College Prep High School	Depth 34	-

	Micro-ROV	Image recognition documentation submitted	Other systems
Al Ruwaad Model School	?	No	-
Alev High School	?	No	-
Alpena High School	Copper Wire	Yes	-
American School of Bombay	?	No	-
Aptos High School	Copper Wire	Yes	-
Beijing National Day School	Copper Wire	No	-
Boston College High School	?	No	-
Brooks DeBartolo Collegiate High School	Copper Wire	No	Fluid Power approved.
California Academy of Mathematics and Science	Copper Wire	Yes	-
CMA Secondary School	Copper Wire	Yes	Fluid Power approved.
Cottonwood High School	Not attempting	No	Fluid Power approved.
DB-Excel	Copper Wire	Yes	Fluid Power approved.
Design Vision	?	No	Fluid Power approved.

	Micro-ROV	Image recognition documentation submitted	Other systems
Dundee City Campus	?	No	-
Glacier High School	Copper Wire	Yes	Fluid Power approved.
Granby High School	Copper Wire	No	Fluid Power approved.
Harrington Middle School	Copper Wire	Yes	Fluid Power approved.
Heritage Collegiate	Not attempting	No	-
Hoffman Estates High School	Copper Wire	No	Fluid Power approved.
Homeschool	Not attempting	Yes	-
Kwok Tak Seng Catholic Secondary School	Copper Wire	Yes	Fluid Power approved.
Ideale Schools	Copper Wire	No	-
Moody High School	Copper Wire	No	-
Mount Olive High School	Fiber Optics	Yes	Fluid Power approved. Laser approved.
Mountain Oaks School	Copper Wire	No	Fluid Power approved.
Mt. Pearl Sr. High School	Copper Wire	Yes	Fluid Power approved.
North Broward Preparatory School	Copper Wire	Yes	-

	Micro-ROV	Image recognition documentation submitted	Other systems
North Paulding High School	Copper Wire	Yes	Fluid Power approved.
O'Donel High School	?	No	Fluid Power approved.
Oostburg High School	Copper Wire	Yes	Fluid Power approved.
Patrick Henry CCF		No	
PT STEM Club	Fiber Optics	Yes	Fluid Power approved.
Puiching Middle School	Copper Wire	Yes	-
Robo-Tech	?	Yes	Fluid power approved.
Robotics Clubs USA		No	Fluid Power approved.
ROV Indonesia	Copper Wire	Yes	-
SEAL Robotics	Copper Wire	Yes	Fluid power approved.
Sidwell Friends School	Not attempting	Yes	-
South Shore Regional Centre for Education	Copper Wire	No	-

	Micro-ROV	Image recognition documentation submitted	Other systems
Stansbury High School	Not attempting	No	Laser approved.
Staples High School	Copper Wire	Yes	-
Tesla STEM	?	Yes	Laser approved.
The Center for Robotics Development	Copper Wire	Yes	Fluid Power approved.
Vortex Brainnovates	Copper Wire	Yes	Fluid Power approved.
Walter Payton College Prep High School	Not attempting	No	-