

CoT Eames Annex A - Basic space requirements for Civil Engineering Technology (CET) and Surveying and Geomatics Engineering Technology (GEMT)

General	General	Approximately 4,000 sf building with 2 overhead doors (one on each side of building) with access through the center. Consider raising eave height to provide overhead loft storage with exterior door access (if budget allows). Consider trench drain through center of building. Power (3 phase), Data, Water, Sewer.
	Offices	Minimum 4 office. Full height walls insulated for sound.
	Classroom(s)	Minimum of one classroom with 20 seats. Ideally 2 classrooms. Flexible space with movable tables. Overhead power with spooled outlets.
	Restrooms	As required by code
	Custodial	100 sf with mop sink and shelving
	Mechanical / Electrical room	As needed
Surveying & Geomatics	Survey Lab	Open room for indoor survey exercises.
	Survey Storage	200 sf
WAQTC Training	4 Work Stations	Sink (4 total), work benches, shelving, NCAT furnace (4 total), scale with density testing tank (4 total), SE setup with shaker (4 total), aggregate shaker (4 total), small asphalt oven (4 total), RICE test unit (4 total).
	Demonstration Lab	Open area for instructor demonstration, aggregate splitting, 4 asphalt splitting tables, proctor testing, equipment on carts, tables on casters, mobile bench/sink with water/sewer connections.
	Bituminous Asphalt Lab	Gyratory compactor, asphalt extractor, asphalt cutting saw, 2 ovens, CORE LOC, CORE DRY, 1 water bath units, mechanical aggregate washers, water distillation unit, bituminous asphalt splitter, sink, work benches, computer station.
	Aggregate Shaker/Splitter Lab	Located adjacent to Asphalt Lab. Multiple shakers, LA abrasion

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		unit, work benches, 2 mechanical splitters, soil compactor, exhaust system for dust, space for aggregate stockpiles.
Concrete Lab Area	Certified Lab	Work benches, scales, sink, density testing, RICE test, Atterberg limits machine, triaxial soil test apparatus, direct shear soil test, asphalt sample loader, aggregate, asphalt, concrete testing, wheel test loader, Compressive strength test, computer station.
	Convertible work area	Hose connection, mixers, form area, floor drain with sand separator/grease trap (as required by City of Pocatello)
	Sample Preparation and curing room	Cylinder end grinder, wet curing tubs, concrete specimen trim saw, walk in storage room w/ humidity control.