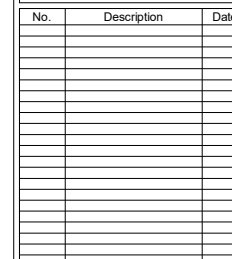




	Area 1: Strategy 3D Printer F270
	Machine Requirements Computer: Core i7 quad-core CPU with Windows 10, minimum 8 gb RAM recommended Software: Cura-3D Printer Display resolution: 191 cm (75.2") diagonal screen Display resolution: 16 bit color @ 1024x768 or better
	Area 2: 4 x 6 Form Scientific CNC Router
	Machine Requirements Computer: Core i7 quad-core CPU with Windows 10, minimum 8 gb RAM recommended Software: CNC software (Mastercam 6 etc.) Display resolution: 16 bit color @ 1024x768 or better Electrical: 100-120V/1A or 200-240V/7A 50/60 Hz (dedicated circuit)
	Area 3: Universal Laser System VL860
	Machine Requirements Computer: Core i7 quad-core CPU with Windows 10/11, 32GB RAM Software: Laser interface software required through Fireport or other Display resolution: 16 bit color @ 1024x768 or better Electrical: 110V/15A (dedicated circuit)
	Area 4: Double Beam Silk 3-Kilowatt Area (refer to Mainframe Page - Page P1)
	Display resolution: 1.64mm pixels (1600x1200) or better (refer to adjacent station) Dot beam size: 4.5mm pixels, 4.5mm, 3.9mm, 3.4mm (16 bit or 24 bit) Computer/Display resolution: 16 bit color @ 1024x768 or better Electrical: 200-240V/10A 50/60 Hz (dedicated circuit)
	Area 5: Roland MDX-500 Batching Mill
	Machine Requirements Computer: Core i7 quad-core CPU with Windows 10, 8.1 / 32 or 64-bit version, minimum 8 gb RAM recommended Software: CAM software (SolidWorks/CAD) Display resolution: 16 bit color @ 1024x768 or better Electrical: 100/200V = 10% 50/60Hz = 12A (dedicated circuit)
	Area 6: Formlabs 5000Z Desktop Vacuum Forming Machine
	Machine Requirements Computer: Core i7 quad-core CPU with Windows 10, 8.1 / 32 or 64-bit version, minimum 8 gb RAM recommended Software: CAM software (SolidWorks/CAD) Display resolution: 16 bit color @ 1024x768 or better Electrical: Single phase 200/240 13A 30W watts (dedicated circuit)
	Area 7: 3D Printing Station with seven 3D Printers
	Area Requirements: 3 Makers - Requirements: 8GB RAM Minimum, Boot Camp: Windows 7/8/10 64-bit and Mac OS 3 PCs with Windows 10, 8.1 / 32 or 64-bit version, minimum 8 gb RAM recommended Area Requirements: Area 8: Sewing Station - Fabric Heat Sealing Machine
	Area 9: Signs & Lab Coordinator Station
	1 Mile - Requirements: 8GB RAM Minimum, Boot Camp: Windows 7/8/10 64-bit and Mac OS 1 Mile - Requirements: 8GB RAM Minimum, Boot Camp: Windows 7/8/10 64-bit and Mac OS Software: AutoCAD, MODO, Adobe Suite, Corel, Fusion360 Electrical: 100V/16A 1 recommended, 240V or higher ethernet cable Electrical: (wasting)
	Area Requirements: Computer: i7 Electrical: 1600W Electrical: 1600W
	Area 10: Wood Shop Area
	Grizzly Combination Drill/Sander HTF345 Split Compound Mill Saw Variable Speed Drill Press Variable Band Saw Band Chain Drive
	Area Requirements: Computer: i7 Electrical: 1600W Electrical: 1600W
	Area 11: Table Saw Area
	Sawing 10' Table Saw
	Area Requirements: Computer: i7 Electrical: 1600W Electrical: 1600W
	Area 12: Hyster Forklift/Belt Drive Dust Collector
	Area Requirements: Electrical: 1600W Electrical: 1600W
	Area 13: Design Space/Electrical Work Area/Handlamps/Workbenches Station
	Computer: i7 Electrical: (Refer to Plans Page P2) 1) Allow responses to coursework lighting using empty wiring plug boxes
	Area 14: Digital Work Station & Large Format Print Station
	Computer: 3 Makers - Requirements: 8GB RAM Minimum, Boot Camp: Windows 7/8/10 64-bit and Mac OS 3 PCs with Windows 10, 8.1 / 32 or 64-bit version, minimum 8 gb RAM recommended Software: AutoCAD, MODO, Adobe Suite, Corel, Fusion360 Electrical: 100V/16A 1 recommended, 240V or higher ethernet cable Electrical: 100V/20V = 10% 54A 3000W
	Area 14: Digital Multimedia station / Small Format Print Station
	Computer: 1 Maker - Requirements: 8GB RAM Minimum, Boot Camp: Windows 7/8/10 64-bit and Mac OS Printer: 14" HP ColorJet Laser and Professional Color Laser Printer - Samsung 30W Wide-area Electrical: 100V/16A 1 recommended, 240V or higher ethernet cable Electrical: 100V/20V = 10% 54A 3000W
	Area 15: COGS-108 Teaching station
	Computer: 3 Makers - Requirements: 8GB RAM Minimum, Boot Camp: Windows 7, 8.1 and Mac OS Software: AutoCAD, MODO, Adobe Suite, Corel, Fusion360 Electrical: 100V/16A 1 recommended, 240V or higher ethernet cable
	Area 15: COGS-108 Office
	Refer to shop table to use same table Leaving electrical wiring
	Area 16: COGS-110-112 Office
	Shop materials and storage space
	Area 17: COGS-110 (office) All supplies area



SPEC/FURNISHINGS

A1.4

Scale $1/4" = 1'-0"$