

**New Mexico State University Aggie Innovation Space
Las Cruces, New Mexico
Opinion of Probable Construction Cost
10-May-21**

Project name
Planner
Job size

Conceptual Estimate
ARC
6600 sf

	Description	Takeoff Qty	Total Unit Cost	Amount
20000	EXISTING CONDITIONS			
030513	Selective Demolition			
	Cut opening in existing wall for corridor extension, prep surfaces	1.00 ls	1,000.00 /ls	1,000
	Misc. pavement and utility removals at addition area	8,400.00 sf	1.25 /sf	10,500
	Selective Demolition			11,500
	EXISTING CONDITIONS			11,500
030000	CONCRETE			
030513	Concrete Surface Treatments			
	Concrete sealer	4,375.00 sf	2.00 /sf	8,750
	Concrete Surface Treatments			8,750
033100	Structural Concrete			
	Footings & stem walls, incl excavation and backfill	6,600.00 sf	12.50 /sf	82,500
	4" slab on grade on 4" Aggregate Base Course	6,600.00 sf	7.25 /sf	47,850
	Structural Concrete			130,350
	CONCRETE			139,100
050000	METALS			
051200	Structural Steel Framing			
	Steel columns, beams, lateral bracing, roof joists and misc. steel, for one story bldg. @ 15 lb/sf, max. ht. = 30', incl entry roof	51.39 ton	6,000.00 /ton	308,340
	Structural Steel Framing			308,340
053123	Steel Roof Decking			
	1.5" B deck, 22 ga	6,852.00 sf	5.00 /sf	34,260
	Steel Roof Decking			34,260
054000	Cold-Formed Metal Framing			
	6" metal studs, exterior walls, max. ht. = 30'	3,385.00 sf	12.00 /sf	40,620
	Cold-Formed Metal Framing			40,620
	METALS			383,220
060000	WOOD, PLASTICS AND COMPOSITES			
61053	Rough Carpentry			
	Misc. blocking and backing	1.00 ls	1,500.00 /ls	1,500
	Rough Carpentry			1,500
61643	Gypsum Sheathing			
	5/8" Densdeck at walls and back of parapets	4,503.00 sf	3.00 /sf	13,509
	Gypsum Sheathing			13,509
	WOOD, PLASTICS AND COMPOSITES			15,009
070000	THERMAL AND MOISTURE PROTECTION			
072100	Thermal Insulation			
	2" rigid perimeter insulation	452.00 sf	1.40 /sf	633
	R-19 wall insulation	2,363.00 sf	1.25 /sf	2,954
	Thermal Insulation			3,587
072200	Roof and Deck Insulation			
	Rigid roof insulation, tapered to drain, R-38	6,852.00 sf	7.50 /sf	51,390
	Roof and Deck Insulation			51,390
072400	Exterior Insulation and Finish Systems			
	EIFS on 2" polystyrene, max. ht. = 30'	3,385.00 sf	15.00 /sf	50,775
	Exterior Insulation and Finish Systems			50,775
072500	Weather Barriers			
	Fluid applied weather barrier	3,385.00 sf	4.50 /sf	15,233
	Weather Barriers			15,233
074000	Metal panel soffit			
	Metal panel soffit, extr.	252.00 sf	42.00 /sf	10,584
	Metal panel soffit			10,584

075400	Thermoplastic Membrane Roofing			
	Thermoplastic Olefin Roofing, 80 mil fleeceback	68.50 sq	1,400.00 /sq	95,900
	TPO flashings, run membrane to top of parapet	2,020.00 sf	15.00 /sf	30,300
	Thermoplastic Membrane Roofing			126,200
076200	Sheet Metal Flashing and Trim			
	Metal coping cap	292.00 lf	36.00 /lf	10,512
	Sheet Metal Flashing and Trim			10,512
079200	Joint Sealants			
	Misc. sealants	1.00 ls	3,500.00 /ls	3,500
	2" expansion joint at existing bldg roof	156.00 lf	65.00 /lf	10,140
	Surface Mount Exterior Expansion Joint @ existing bldg wall	41.00 lf	40.00 /lf	1,640
	Joint Sealants			15,280
	THERMAL AND MOISTURE PROTECTION			283,560
080000	OPENINGS			
081700	Integrated Door Opening Assemblies			
	Intr wd dr/hm frm/hw single w/ view lite	7.00 ea	1,750.00 /ea	12,250
	Intr wd dr/hm frm/hw double w/ view lite	3.00 ea	2,400.00 /ea	7,200
	Extr HM dr/hm frm/hw double	1.00 ea	2,000.00 /ea	2,000
	Remove and replace 10' x 10' overhead door	1.00 ea	6,500.00 /ea	6,500
	Integrated Door Opening Assemblies			27,950
084300	Storefronts			
	3/4" Temp all-glass double door and hardware	2.00 ea	4,800.00 /ea	9,600
	Storefront glazing, complete	344.00 sf	60.00 /sf	20,640
	Interior glazing in frame	480.00 sf	52.00 /sf	24,960
	Exterior glazing in frame	905.00 sf	56.00 /sf	50,680
	Storefronts			105,880
084500	Translucent Wall and Roof Assemblies			
	Skylight barrel vault	560.00 sf	180.00 /sf	100,800
	Translucent Wall and Roof Assemblies			100,800
	OPENINGS			234,630
090000	FINISHES			
090100	Maintenance of Finishes			
	Patch and repair finishes in existing Machine Areas	5,950.00 sf	5.00 /sf	29,750
	Maintenance of Finishes			29,750
092100	Plaster and Gypsum Board Assemblies			
	Stud wall, NLB, 20 ga, 16" OC, 4" wide, max. ht. = 30'	7,810.00 sf	4.60 /sf	35,926
	5/8" X gyp bd, top layer taped and finished, double layer at Corridor, Lg. Work Area and 3D Equipment Room, max. ht. = 30'	32,792.00 sf	2.80 /sf	91,818
	Gyp bd ceiling on metal framing	1,680.00 sf	11.00 /sf	18,480
	Plaster and Gypsum Board Assemblies			146,224
092100	Tiling			
	Ceramic floor tile	1,510.00 sf	14.00 /sf	21,140
	Ceramic base	250.00 lf	12.00 /lf	3,000
	Tiling			24,140
095100	Acoustical Ceilings			
	2x4 lay-in grid and acoustical ceiling panels	1,904.00 sf	6.50 /sf	12,376
	Acoustical Ceilings			12,376
96000	Flooring			
	Resilient base	774.00 lf	3.50 /lf	2,709
	VCT	1,228.00 sf	4.25 /sf	5,219
	Flooring			7,928
099000	Painting			
	Paint gyp bd wall	19,415.00 sf	1.10 /sf	21,357
	Paint gyp bd ceiling	1,680.00 sf	1.25 /sf	2,100
	Paint exposed ceiling structure	2,510.00 sf	7.00 /sf	17,570
	Paint/stain door and frame, single	7.00 ea	140.00 /ea	980
	Paint/stain door and frame, double	4.00 ea	200.00 /ea	800
	Paint overhead door and frame	1.00 ea	350.00 /ea	350

	Painting			43,157
	FINISHES			263,574
100000	SPECIALTIES			
100500	Builders' Specialties			
	Builders' specialties allowance	6,600.00 sf	1.50 /sf	9,900
	Shade fins at windows	108.00 lf	120.00 /lf	12,960
	Builders Specialties			22,860
	SPECIALTIES			22,860
120000	FURNISHINGS			
123600	Countertops			
	Reception service counter	10.00 lf	180.00 /lf	1,800
	Window coverings, exterior only	1,249.00 sf	17.00 /sf	21,233
	Countertops			23,033
	FURNISHINGS			23,033
210000	FIRE SUPPRESSION			
210500	Common Work Results for Fire Suppression			
	Wet pipe fire protection system	6,600.00 sf	3.50 /sf	23,100
	Revise fire protection System at new Conference Room	440.00 sf	3.50 /sf	1,540
	Common Work Results for Fire Suppression			24,640
	FIRE SUPPRESSION			24,640
220000	PLUMBING			
220099	Plumbing Systems			
	Plumbing supply, waste and vent piping for EWC, sinks, eyewash stations, water heater	6,600.00 sf	12.00 /sf	79,200
	Plumbing Systems			79,200
221400	Facility Storm Drainage			
	Roof drain / overflow drain & piping	4.00 drains	3,200.00 /drain	12,800
	Facility Storm Drainage			12,800
	PLUMBING			92,000
230000	HEATING, VENTILATING AND AIR-CONDITIONING (HVAC)			
230500	Common Work Results for HVAC			
	HVAC System, complete, based on rooftop units connected to NMSU central systems	6,600.00 sf	38.00 /sf	250,800
	Revise HVAC System at new Conference Room	440.00 sf	12.00 /sf	5,280
	Common Work Results for HVAC			256,080
	HEATING, VENTILATING AND AIR-CONDITIONING (HVAC)			256,080
260000	ELECTRICAL			
260099	Electrical Systems			
	Service & distribution	6,600.00 sf	10.00 /sf	66,000
	Power & motor circuits	6,600.00 sf	6.50 /sf	42,900
	Lighting, incl Entry soffit	6,852.00 sf	16.00 /sf	109,632
	Lighting and outlets at new Conference Room	440.00 sf	6.00 /sf	2,640
	Lightning protection system - area of roof	6,852.00 sf	2.25 /sf	15,417
	Grounding system	6,600.00 sf	1.75 /sf	11,550
	Electrical Systems			248,139
	ELECTRICAL			248,139
270000	COMMUNICATIONS			
270500	Common Work Results for Communications			
	Communications & IT (empty pathways)	6,600.00 sf	2.75 /sf	18,150
	Revise Communications & IT System at new Conference Room	440.00 sf	2.75 /sf	1,210
	Common Work Results for Communications			19,360
	COMMUNICATIONS			19,360
280000	ELECTRONIC SAFETY AND SECURITY			
281300	Access Control			

Estimate Totals

Description	Amount	Totals	Rate	Cost per Unit
Unloaded total	2,120,355	2,120,355		321.27 /sf
General Requirements	254,443		12.000 %	38.55 /sf
General Contractor OH&P	118,740		5.000 %	17.99 /sf
Performance & Payment Bond	62,338		2.500 %	9.45 /sf
	2,555,876	2,555,876		387.25 /sf
Contingency	383,381		15.000 %	58.09 /sf
	2,939,258	2,939,258		445.34 /sf
Escalation	176,355		6.000 %	26.72 /sf
	3,115,613	3,115,613		472.06 /sf
Total		3,115,613		472.06 /sf