

Joliet Junior College Classroom and Greenhouse Building  
Design Development Budget Estimate: Basic Building

Location	Description	Detail	Quantity	Unit	Unit Cost	
<b>Educational Building:Exterior</b>						<b>\$485,587</b>
<b>Foundations</b>	Foundations: Excavation	Building, Greenhouse, Interior	2342	cy	\$30.00	\$70,260
	Foundations: Back Fill	Building, Greenhouse, Interior	2205	cy	\$44.00	\$97,020
	Foundations: Concrete		190	cy	\$400.00	\$76,000
	Floor Slab	Presumes complete slab in greenhouse (deduct \$7,694)	146	cy	\$200.00	\$29,200
<b>Enclosure</b>	Walls: Fire Wall	Clad CMU between greenhouses & educ.	456	s.f.	\$16.00	\$7,296
	Walls: SIP Panels		5534	s.f.	\$6.00	\$33,204
	Walls: Siding	Cementitious Siding	1958	s.f.	\$10.00	\$19,580
	Walls: Siding	Metal Siding	672	s.f.	\$15.00	\$10,080
	Walls: Trim		798	sf	\$8.00	\$6,384
	Doors: Aluminum	Aluminum	5	doors	\$1,700.00	\$8,500
	Doors: Hollow Metal		3	doors	\$750.00	\$2,250
	Windows: Aluminum	Aluminum	501	s.f.	\$70.00	\$35,070
	Overhead Doors	8'x8'	2	doors	\$1,500.00	\$3,000
<b>Roof Framing</b>	Vented Nailbase insulation		4561	s.f.	\$7.00	\$31,927
	Wood Joists/Rafters	includes decking	4561	s.f.	\$8.00	\$36,488
<b>Roofing</b>	30 year asphalt shingles		46	sq	\$210.00	\$9,660
	Fasica		565	s.f.	\$5.50	\$3,108
	Soffit		540	s.f.	\$4.00	\$2,160
	Gutters & Downspouts		200	l.f.	\$22.00	\$4,400
<b>Educational Building:Interior</b>						<b>\$650,614</b>
<b>Construction</b>	Walls: Drywall over SIP	includes paint	2322	sf	\$2.20	\$5,108
	Walls: Drywall	Drywall, 2x6 stud, 1 layer abuse resistant drywall each side	589	sf	\$4.25	\$2,503
	Walls: Drywall	Drywall, 2x4 stud, 1 layer abuse resistant drywall each side	1301	sf	\$3.25	\$4,228
	Doors: Wood	Wood door	10	ea	\$250.00	\$2,500
	Doors: HM Frames	HM	10	ea	\$250.00	\$2,500
	Door Hardware	Allowance	1	ea	\$25,000.00	\$25,000
	Flooring: Sealed Concrete		3299	s.f.	\$1.00	\$3,299
	Flooring: Greenhouse	Sealed Concrete	7949	s.f.	\$1.00	\$7,949
	Ceiling: Multipurpose Lab	Exposed	931	s.f.	\$0.90	\$838
	Ceiling: Mechanical	Exposed	351	s.f.	\$0.90	\$316
	Ceiling: ACT	Corridor, toilets, office, head house	1320	s.f.	\$3.00	\$3,960
	Lab Casework		50	l.f.	\$250.00	\$12,500
	Mobile Tables		16	ea	\$750.00	\$12,000
<b>Systems</b>	HVAC		11519	gsf	\$20.00	\$230,380
	Electrical		11519	gsf	\$16.00	\$184,304
	Plumbing		11519	gsf	\$12.00	\$138,228
	Technology	Wiring only	1	ls	\$10,000.00	\$10,000
		Semi Smart Classroom	1	ls	\$5,000.00	\$5,000
<b>Greenhouse</b>						<b>\$731,599</b>
	Greenhouse Structure		7947	s.f.	\$55.00	\$437,085
	Greenhouse Labor					
	(Presume Glazier's Union: 1 Foreman, 3 laborers)	5 days/week; 8 weeks	1	ls	\$94,080.00	\$94,080
		8 working Saturdays	1	ls	\$25,600.00	\$25,600
	Greenhouse Equipment		7947	s.f.	\$22.00	\$174,834
<b>Site</b>						<b>\$446,214</b>
<b>Utilities</b>	Gas		250	lf	\$60.00	\$15,000
	Sanitary		1	ls	\$164,918.00	\$164,918
	Electrical	upgrade service to site from single phase	1	ls	\$30,000.00	\$30,000
	Water		1	ls	\$36,504.00	\$36,504
	Storm	City of Joliet will dictate (hold this number for now per RTA)	2	acre	\$75,000.00	\$150,000
<b>Site Paving</b>	Seal coat and paint existing parking lot		1,777	sy	\$6.00	\$10,662
	Gravel Road	from exit road, behind the barn to the head house & along west side	1,111	cy	\$30.00	\$33,330
	Sidewalk		145	sy	\$40.00	\$5,800
<b>Site and Building Subtotal</b>						<b>\$2,314,013</b>
<b>General Contractor's Overhead and Profit</b>						<b>\$231,401</b>
<b>Total Building Construction</b>						<b>\$2,545,415</b>
<b>Landscaping &amp; FFE</b>						<b>\$522,600</b>
<b>FFE</b>			1	ls	\$20,000.00	\$20,000
<b>Landscape</b>	Plant Collection Garden		1	ea	\$204,800.00	\$204,800
	Formal Perennial Garden		1	ea	\$100,000.00	\$100,000
	Vinyard/Fruit Trees		1	ea	\$3,500.00	\$3,500
	Turf Plots		1	ea	\$5,000.00	\$5,000
	soil prep and dressing		1	ea	\$90,000.00	\$90,000
<b>Site Fence</b>	12 Foot high, vinyl coated chain link		3310	l.f.	\$30.00	\$99,300
<b>Sub Total Building Construction, Site &amp; Landscape</b>						<b>\$3,068,015</b>
<b>Contingency</b>						<b>\$306,801</b>
<b>Total</b>						<b>\$3,374,816</b>

Comments

1. Cost estimate excludes left hand turn lane on Houbold Rd. Unknown if City will require at this time
2. Cost estimate excludes sprinklers
3. Cost estimate excludes permit fees