



MJA CONSTRUCTION SERVICES

**BRYAM TOWNSHIP  
NEW MUNICIPAL BUILDING  
SCHEMATIC ESTIMATE BACKUP**

Revised 5/5/2017

Building Areas	First Floor	14395	sf
	Total	<b>14395</b>	sf

**DIVISION 01 - GENERAL CONDITIONS**

Description	Quantity	Unit	Unit Cost	Total
Eng. / Surveying / Layout	8	mwks	\$ 2,000.00	\$ 16,000
Clean-up and misc. daily labor cost	11	mo	\$ 3,500.00	\$ 38,500
Dumpster	11	mo	\$ 2,000.00	\$ 22,000
Site Supervision / Project Administration	12	mo	\$ 10,000.00	\$ 120,000
Temp. facilities / trailers	12	mo	\$ 750.00	\$ 9,000
Temp. fencing / site protection / security	1	allow	\$ 5,000.00	\$ 5,000
Temporary protection	14395	sf	\$ 0.95	\$ 13,675
Testing & inspections	5	mo	\$ 750.00	\$ 3,750
Other misc. requirements	12	mo	\$ 250.00	\$ 3,000
Final Cleaning	14395	sf	\$ 0.25	\$ 3,599
<b>TOTAL GENERAL CONDITIONS</b>	<b>\$ 16.29</b>	<b>\$/sf</b>		<b>\$ 234,524</b>

**DIVISION 02 - DEMOLITION**

Description	Quantity	Unit	Unit Cost	Total
Demo existing building including foundations	10800	sf	\$ 10.00	\$ 108,000
<b>TOTAL DEMOLITION</b>	<b>\$ 7.50</b>	<b>\$/sf</b>		<b>\$ 108,000</b>

**DIVISION 03 - CONCRETE**

Description	Quantity	Unit	Unit Cost	Total
Footings 3' 0" x 1' Exterior wall	590	lf	\$ 50.00	\$ 29,500
Footings 2' 0" x 1' Interior CMU wall	135	lf	\$ 45.00	\$ 6,075
Column footings type F3 4' x 4' x 1'6"	30	ea	\$ 400.00	\$ 12,000
Canopy column footings	4	ea	\$ 200.00	\$ 800
Under slab drainage	14395	sf	\$ 3.00	\$ 43,185
Slab on grade 5"	14395	sf	\$ 6.00	\$ 86,370
Slab on grade air/water barrier	14395	sf	\$ 1.25	\$ 17,994
Slab on grade insulation	14395	sf	\$ 1.50	\$ 21,593
Slab on grade 5" entrance	200	sf	\$ 5.50	\$ 1,100
<b>TOTAL CONCRETE</b>	<b>\$ 15.19</b>	<b>\$/sf</b>		<b>\$ 218,616</b>

**DIVISION 04 - MASONRY**

Description	Quantity	Unit	Unit Cost	Total
Exterior wall foundation wall 12" CMU 2 ft tall	1180	sf	\$ 20.00	\$ 23,600
Exterior wall 8" CMU wall w/ brick veneer	8260	sf	\$ 40.00	\$ 330,400
Interior partition 8" CMU	1890	sf	\$ 28.00	\$ 52,920
Cast stone water table 12" / decorative cast stone	1	allow	\$ 50,000.00	\$ 50,000
Precast concrete headers & sills 7"	270	lf	\$ 50.00	\$ 13,500
<b>TOTAL MASONRY</b>	<b>\$ 32.68</b>	<b>\$/sf</b>		<b>\$ 470,420</b>

**DIVISION 05 - METALS**

Description	Quantity	Unit	Unit Cost	Total
Structural steel & structural metal framing 14395 sf	65	tons	\$ 3,300.00	\$ 214,500
Metal truss roof framing pitched	18714	sf	\$ 4.50	\$ 84,211
Entrance canopy steel & pitched roof framing	200	sf	\$ 6.00	\$ 1,200
Roof deck pitched	18714	sf	\$ 4.50	\$ 84,211
Roof deck pitched canopy	250	sf	\$ 3.00	\$ 749
Decorative columns 8" dia 10 ft tall	4	ea	\$ 500.00	\$ 2,000
Misc bolts, fasteners, masonry clips, connections, etc.	1	allow	\$ 5,000.00	\$ 5,000
<b>TOTAL METALS</b>	<b>\$ 27.22</b>	<b>\$/sf</b>		<b>\$ 391,870</b>

**MJA CONSTRUCTION SERVICES**

**DIVISION 06 - WOOD & PLASTICS**

Description	Quantity	Unit	Unit Cost	Total
Restroom / toilet vanity counter solid surface	29	lf	\$ 300.00	\$ 8,700
Cash window counter top 4' wide solid surface	9	lf	\$ 350.00	\$ 3,150
TACO window counter top 4' wide solid surface	9	lf	\$ 350.00	\$ 3,150
Construction dept counter 3.5 ft wide solid surface	23	lf	\$ 350.00	\$ 8,050
Construction dept side counter 3 ft wide solid surface	6	lf	\$ 350.00	\$ 2,100
Break room base cabinet solid surface	14	lf	\$ 350.00	\$ 4,900
Break room upper cabinet	14	lf	\$ 200.00	\$ 2,800
Mail room base cabinet	11	lf	\$ 350.00	\$ 3,850
Mail room mail boxes / upper cabinet	11	lf	\$ 200.00	\$ 2,200
Courtroom bench / Dias 3 ft wide wood trim	22	lf	\$ 600.00	\$ 13,200
Wood blocking	1	allow	\$ 7,500.00	\$ 7,500
<b>TOTAL WOOD &amp; PLASTICS</b>	<b>\$ 4.14</b>	<b>\$/sf</b>		<b>\$ 59,600</b>

**DIVISION 07 - THERMAL & MOISTURE PROTECTION**

Description	Quantity	Unit	Unit Cost	Total
Asphalt Shingle roofing system / insulation	18714	sf	\$ 11.00	\$ 205,849
Asphalt Shingle roofing system / insulation canopy	250	sf	\$ 11.00	\$ 2,750
Gutters & Leaders	590	lf	\$ 15.00	\$ 8,850
Edging, flashing etc. pitched	590	lf	\$ 15.00	\$ 8,850
Edging, flashing etc. pitched canopy	150	lf	\$ 15.00	\$ 2,250
Canopy soffit AL	200	sf	\$ 10.00	\$ 2,000
Exterior wall insulation	8260	sf	\$ 1.35	\$ 11,151
Partition wall batt insulation	13400	sf	\$ 1.35	\$ 18,090
Caulking & sealing	1	allow	\$ 10,000.00	\$ 10,000
<b>TOTAL THERMAL &amp; MOISTURE</b>	<b>\$ 18.74</b>	<b>\$/sf</b>		<b>\$ 269,790</b>

**DIVISION 08 - OPENINGS**

Description	Quantity	Unit	Unit Cost	Total
Exterior door (2) 3' 0" x 7' 0" AL / GL	1	pr	\$ 5,000.00	\$ 5,000
Exterior door (2) 3' 0" x 7' 0" AL / GL vestibule	1	pr	\$ 5,000.00	\$ 5,000
Exterior door 3' 0" x 7' 0" AL / GL	1	ea	\$ 2,500.00	\$ 2,500
Exterior door 3' 0" x 7' 0" HM	6	ea	\$ 1,500.00	\$ 9,000
Exterior door auto openers	2	ea	\$ 3,750.00	\$ 7,500
Exterior Sally Port Garage door 13 ft x 10 ft	1	ea	\$ 2,300.00	\$ 2,300
Interior door 3' 0" x 7' 0" Office	16	ea	\$ 1,200.00	\$ 19,200
Interior door 3' 0" x 7' 0" Police service, holding, processing, etc	6	ea	\$ 1,750.00	\$ 10,500
Interior door (2) 3' 0" x 7' 0" Corridor Police service	1	pr	\$ 4,000.00	\$ 4,000
Interior door 3' 0" x 7' 0" No glazing	22	ea	\$ 1,000.00	\$ 22,000
Interior door (2) 3' 0" x 7' 0" AL / GL	1	pr	\$ 5,000.00	\$ 5,000
<b>Subtotal Doors</b>	<b>\$ 6.39</b>	<b>\$/sf</b>	<b>\$ 92,000</b>	
Exterior window 2' 0" x 4' 0"	8	ea	\$ 600.00	\$ 4,800
Exterior window 3' 0" x 4' 0"	10	ea	\$ 800.00	\$ 8,000
Exterior window 4' 0" x 4' 0"	3	ea	\$ 1,100.00	\$ 3,300
Exterior window 8' 0" x 4' 0"	15	ea	\$ 2,100.00	\$ 31,500
Exterior window 12' 0" x 4' 0"	1	ea	\$ 3,200.00	\$ 3,200
Exterior storefront wall vestibule	660	sf	\$ 65.00	\$ 42,900
Interior storefront glass wall	322	sf	\$ 80.00	\$ 25,760
Interior sidelights	245	sf	\$ 65.00	\$ 15,925
Cash window / pass through 4' x 9'	36	sf	\$ 100.00	\$ 3,600
TACO window / pass through 4' x 9'	36	sf	\$ 100.00	\$ 3,600
Police reception window / pass through 2' x 4'	8	sf	\$ 100.00	\$ 800
Door glazing (allow)	10	sf	\$ 40.00	\$ 400
<b>Subtotal Windows</b>	<b>\$ 9.99</b>	<b>\$/sf</b>	<b>\$ 143,785</b>	
<b>TOTAL OPENINGS</b>	<b>\$ 16.38</b>	<b>\$/sf</b>		<b>\$ 235,785</b>

**MJA CONSTRUCTION SERVICES**

**DIVISION 09 - FINISHES**

Description	Quantity	Unit	Unit Cost	Total
Exterior wall 2 1/2" Z- furring w/ 5/8" gyp	8260	sf	\$ 9.25	\$ 76,405
Interior wall 2 1/2" Z- furring w/ 5/8" gyp	1610	sf	\$ 9.25	\$ 14,893
Interior partition 3 5/8" metal stud & 5/8" gyp ins -Bullet Resistant	2,000	sf	\$ 16.00	\$ 32,000
Interior partition 3 5/8" metal stud & 5/8" gyp ins	13,400	sf	\$ 10.00	\$ 134,000
Interior partition 3 5/8" metal stud & 5/8" gyp one side chase	840	sf	\$ 9.50	\$ 7,980
Courtroom ramp low wall 4 ft tall wood trim	16	sf	\$ 45.00	\$ 720
Courtroom ramp 3 ft wide 6 ft long	18	sf	\$ 25.00	\$ 450
Courtroom raised dais 6" tall platform	140	sf	\$ 40.00	\$ 5,600
<b>Subtotal Gypsum Partitions</b>	<b>\$ 18.90</b>	<b>\$/sf</b>	<b>\$</b>	<b>272,048</b>
Ceramic tile floor & base	1,100	sf	\$ 12.00	\$ 13,200
Ceramic tile wall	3,400	sf	\$ 11.00	\$ 37,400
<b>Subtotal Tile</b>	<b>\$ 3.52</b>	<b>\$/sf</b>	<b>\$</b>	<b>50,600</b>
Gyp ceiling / soffits	500	sf	\$ 11.00	\$ 5,500
ACT ceiling	13,669	sf	\$ 4.00	\$ 54,676
Exposed	226	sf	\$ -	\$ -
<b>Subtotal Ceilings</b>	<b>\$ 4.18</b>	<b>\$/sf</b>	<b>\$</b>	<b>60,176</b>
Sealed concrete	555	sf	\$ 1.25	\$ 694
VCT & base	8,830	sf	\$ 3.50	\$ 30,905
Carpet & base	3,910	sf	\$ 4.25	\$ 16,618
Painting, walls	35,000	sf	\$ 1.35	\$ 47,250
Painting, gyp ceilings & soffits	500	sf	\$ 1.65	\$ 825
Painting & staining doors	53	ea	\$ 75.00	\$ 3,975
Painting , staining interior trim / millwork	1	allow	\$ 7,500.00	\$ 7,500
<b>Subtotal Other Finishes</b>	<b>\$ 7.49</b>	<b>\$/sf</b>	<b>\$</b>	<b>107,766</b>
<b>TOTAL FINISHES</b>	<b>\$ 34.08</b>	<b>\$/sf</b>		<b>\$ 490,590</b>

**DIVISION 10 - SPECIALTIES**

Description	Quantity	Unit	Unit Cost	Total
Entry mat vestibule	200	sf	\$ 45.00	\$ 9,000
Fire extinguisher cabinets recessed (allow)	5	ea	\$ 325.00	\$ 1,625
Restroom toilet partitions phenolic	9	ea	\$ 1,000.00	\$ 9,000
Restroom accessories	2	allow	\$ 1,000.00	\$ 2,000
Bathroom / locker room accessories	4	allow	\$ 2,000.00	\$ 8,000
Lockers men 24"	16	ea	\$ 500.00	\$ 8,000
Lockers women 12"	4	ea	\$ 300.00	\$ 1,200
Holding cell equipment Adult	1	ea	\$ 4,000.00	\$ 4,000
Holding cell equipment Juvenile	1	ea	\$ 4,000.00	\$ 4,000
Evidence room lockers / pass through	4	ea	\$ 1,250.00	\$ 5,000
Long term storage shelving	110	lf	\$ 20.00	\$ 2,200
Code signage	14395	sf	\$ 0.25	\$ 3,599
Visual display - tack boards	1	allow	\$ 5,000.00	\$ 5,000
Window treatment	760	sf	\$ 15.00	\$ 11,400
Window treatment - window walls	322	sf	\$ 20.00	\$ 6,440
<b>TOTAL SPECIALTIES</b>	<b>\$ 5.59</b>	<b>\$/sf</b>		<b>\$ 80,464</b>

**DIVISION 11 - EQUIPMENT**

Description	Quantity	Unit	Unit Cost	Total
By owner - GC install only	1	allow	\$ 7,500.00	\$ 7,500
A/V, IT & Security	14395	allow	\$ 5.00	\$ 71,975
<b>TOTAL EQUIPMENT</b>	<b>\$ 5.52</b>	<b>\$/sf</b>		<b>\$ 79,475</b>

**MJA CONSTRUCTION SERVICES**

**DIVISION 12 - FURNISHINGS**

Description	Quantity	Unit	Unit Cost	Total
FF&E By Owner below the line			\$ -	\$ -
<b>TOTAL FURNISHINGS</b>		\$/sf		\$ -

**DIVISION 14 - CONVEYING SYSTEM**

Description	Quantity	Unit	Unit Cost	Total
None			\$ -	\$ -
<b>TOTAL CONVEYING SYSTEM</b>		\$/sf		\$ -

**DIVISION 21 - FIRE SUPPRESSION**

Description	Quantity	Unit	Unit Cost	Total
Fire sprinkler system complete or fire water tank	14,395	sf	\$ 4.75	\$ 68,376
Pre-action heads Canopy	200	sf	\$ 4.50	\$ 900
<b>TOTAL FIRE SUPPRESSION</b>		\$/sf		\$ 69,276

**DIVISION 22 - PLUMBING**

Description	Quantity	Unit	Unit Cost	Total
Water closet	8	ea	\$ 1,200.00	\$ 9,600
Urinal	4	ea	\$ 1,200.00	\$ 4,800
Lavatory	10	ea	\$ 1,100.00	\$ 11,000
Mop sink	3	ea	\$ 1,500.00	\$ 4,500
Bi-level drinking fountain ( allow)	2	ea	\$ 2,100.00	\$ 4,200
Hose bibb ( allow)	4	ea	\$ 350.00	\$ 1,400
Domestic HW water heater	1	ea	\$ 7,500.00	\$ 7,500
Domestic HW recirculation pump	1	ea	\$ 250.00	\$ 250
Domestic HW expansion tank & accessories	1	ea	\$ 1,500.00	\$ 1,500
3" - FD -A floor drain w/ Trap primer	5	ea	\$ 450.00	\$ 2,250
4" - FD - B floor drain	2	ea	\$ 550.00	\$ 1,100
HW & CW Piping	14395	sf	\$ 5.25	\$ 75,574
Sanitary & vent piping	14395	sf	\$ 3.50	\$ 50,383
Storm water piping	1	allow	\$ 3,500.00	\$ 3,500
<b>TOTAL PLUMBING</b>		\$/sf		\$ 177,556

**DIVISION 23 - HEATING, VENTILATING & AIR CONDITIONING**

Description	Quantity	Unit	Unit Cost	Total
Heating & Cooling System Equipment	14395	sf	\$ 20.00	\$ 287,900
EF exhaust fans	5	ea	\$ 750.00	\$ 3,750
Ductwork	14395	sf	\$ 4.00	\$ 57,580
Misc HVAC	14395	sf	\$ 4.50	\$ 64,778
Testing & balancing	14395	sf	\$ 1.25	\$ 17,994
<b>TOTAL HVAC</b>		\$/sf		\$ 432,001

**DIVISION 25 - INTEGRATED AUTOMATION**

Description	Quantity	Unit	Unit Cost	Total
Building Automation / Controls	14395	sf	\$ 2.25	\$ 32,389
<b>TOTAL INTEGRATED AUTOMATION</b>		\$/sf		\$ 32,389

**MJA CONSTRUCTION SERVICES**

**DIVISION 26 - ELECTRICAL**

Description	Quantity	Unit	Unit Cost	Total
Main service meter riser & pan	1	ea	\$ 2,000.00	\$ 2,000
Main distribution panel	1	ea	\$ 5,000.00	\$ 5,000
Sub panels	6	ea	\$ 2,500.00	\$ 15,000
Emergency generator	1	ea	\$ 70,000.00	\$ 70,000
ATS	1	ea	\$ 4,500.00	\$ 4,500
Electrical feeders conduit & wire	14,395	sf	\$ 2.75	\$ 39,586
Distribution wiring	14,395	sf	\$ 3.00	\$ 43,185
Motors, pumps & connections	14,395	sf	\$ 0.75	\$ 10,796
Lighting fixtures general	14,395	sf	\$ 4.00	\$ 57,580
Lighting fixtures special	14,395	sf	\$ 3.00	\$ 43,185
Lighting fixtures emergency	14,395	sf	\$ 1.75	\$ 25,191
Exterior lighting	14,395	sf	\$ 1.50	\$ 21,593
Outlets, switches , devices	14,395	sf	\$ 3.00	\$ 43,185
<b>TOTAL ELECTRICAL</b>	<b>\$ 26.45</b>	<b>\$/sf</b>		<b>\$ 380,801</b>

**DIVISION 27 - COMMUNICATIONS**

Description	Quantity	Unit	Unit Cost	Total
Tele/data outlets	14395	sf	\$ 2.25	\$ 32,389
Courtroom PA & recording system	1	allow	\$ 15,000.00	\$ 15,000
<b>TOTAL COMMUNICATIONS</b>	<b>\$ 3.29</b>	<b>\$/sf</b>		<b>\$ 47,389</b>

**DIVISION 28 - ELECTRONIC SAFETY & SECURITY**

Description	Quantity	Unit	Unit Cost	Total
Fire alarm system complete & tie in	14395	sf	\$ 2.50	\$ 35,988
Camera system	14395	sf	\$ 5.00	\$ 71,975
Subtotal Fire Alarm System	<b>\$ 7.50</b>	<b>\$/sf</b>	<b>\$ 107,963</b>	
ES electric door strike	2	ea	\$ 450.00	\$ 900
HC access push button panel	2	ea	\$ 2,500.00	\$ 5,000
Door controls head end	1	allow	\$ 15,000.00	\$ 15,000
Police Dept / courtroom security system	1	allow	\$ 45,000.00	\$ 45,000
Subtotal Security System	<b>\$ 4.58</b>	<b>\$/sf</b>	<b>\$ 65,900</b>	
<b>TOTAL ELEC. SAFETY &amp; SECURITY</b>	<b>\$ 12.08</b>	<b>\$/sf</b>		<b>\$ 173,863</b>

**DIVISION 31 - EARTHWORK**

Description	Quantity	Unit	Unit Cost	Total
Silt fence	750	lf	\$ 3.50	\$ 2,625
Inlet protection	5	ea	\$ 125.00	\$ 625
Tree protection	20	ea	\$ 250.00	\$ 5,000
Construction entrance	1	ea	\$ 2,500.00	\$ 2,500
Site clearing	5	eq day	\$ 2,100.00	\$ 10,500
Strip and stockpile soil	15000	sf	\$ 1.00	\$ 15,000
Grading	5	eq day	\$ 2,100.00	\$ 10,500
Premium for ledge / rock excavation ( allowance)	1	allow	\$ 75,000.00	\$ 75,000
Foundation excavation & backfill	200	cy	\$ 7.50	\$ 1,500
<b>TOTAL EARTHWORK</b>	<b>\$ 8.56</b>	<b>\$/sf</b>		<b>\$ 123,250</b>

**MJA CONSTRUCTION SERVICES**

**DIVISION 32 - EXTERIOR IMPROVEMENTS**

Description	Quantity	Unit	Unit Cost	Total
Concrete paving @ walkways	1000	sf	\$ 6.00	\$ 6,000
Asphalt pavement	20000	sf	\$ 4.25	\$ 85,000
Striping parking space	100	ea	\$ 75.00	\$ 7,500
Striping ADA parking space	4	ea	\$ 95.00	\$ 380
Striping crosswalks 5 ft wide	60	lf	\$ 10.00	\$ 600
Belgium block curb	500	lf	\$ 15.00	\$ 7,500
Lawn - seeded	10000	sf	\$ 0.15	\$ 1,500
Trees & plantings	1	allow	\$ 10,000.00	\$ 10,000
Mulch - planting beds / ground cover	1000	sf	\$ 5.00	\$ 5,000
Storm water detention system	1	allow	\$ 50,000.00	\$ 50,000
Site lighting 12 ft AL pole LED fixture	15	ea	\$ 2,000.00	\$ 30,000
Site lighting concrete base 1.5 ft dia.	15	ea	\$ 200.00	\$ 3,000
Site lighting conduit & wire	1500	lf	\$ 20.00	\$ 30,000
<b>TOTAL EXTERIOR IMPROVEMENTS</b>	<b>\$ 16.43</b>	<b>\$/sf</b>		<b>\$ 236,480</b>

**DIVISION 33 - UTILITIES**

Description	Quantity	Unit	Unit Cost	Total
New Domestic water well	1	ea	\$ 50,000.00	\$ 50,000
Connection to sanitary service	1	ea	\$ 5,000.00	\$ 5,000
Connection to electrical service	1	ea	\$ 25,000.00	\$ 25,000
Connection to tele / data services	1	ea	\$ 10,000.00	\$ 10,000
<b>TOTAL UTILITIES</b>	<b>\$ 6.25</b>	<b>\$/sf</b>		<b>\$ 90,000</b>

<b>DIVISION 01 - 33 TOTAL CONSTRUCTION</b>			<b>\$ 305.81</b>	<b>\$/sf</b>	<b>\$ 4,402,139</b>
--	--	--	------------------	--------------	---------------------

DPW breakroom Building Renovation	1200	sf	\$ 100.00		<b>\$ 120,000</b>
-----------------------------------	------	----	-----------	--	-------------------

<b>Construction Detail Total</b>					<b>\$ 4,522,139</b>
----------------------------------	--	--	--	--	---------------------