

<p align="center">New Millis Police Station Preliminary Construction Estimate</p>	<p align="center">Variables</p>	<p align="center">Project Costs</p>
<p>Building Square Footage</p>	<p align="center">12,046</p>	
<p>Construction Costs</p>		
<p>New Police Headquarters</p> <p align="right">Subtotal</p>	<p>\$ 356.69</p>	<p>\$ 4,296,693</p> <p>\$ 4,296,693</p>
<p>Construction Contingencies</p> <p align="right">Subtotal</p>	<p>15%</p>	<p>\$ 644,504</p> <p>\$ 4,941,197</p>
<p>Contractor profit</p> <p>Bond</p> <p align="right">Construction Cost</p>	<p>10%</p> <p>1%</p>	<p>\$ 429,669</p> <p>\$ 42,967</p> <p>\$ 5,413,833</p>
<p>Design Engineering Fees (Allowance)</p>	<p>9%</p>	<p>\$ 444,708</p>
<p>Owners Project Manager (Allowance)</p>	<p>4%</p>	<p>\$ 197,648</p>
<p>Furniture and Equipment (Allowance)</p>	<p>10%</p>	<p>\$ 494,120</p>
<p>Communication Technologies (Allowance)</p>		<p>\$ 250,000</p>
<p>Additional Project Costs (testing, survey, geotech, etc.)</p> <p align="right">Subtotal</p>	<p>3%</p>	<p>\$ 128,901</p> <p>\$ 6,929,209</p>
<p>Construction Escalation to 2014 - 3%</p>		<p>\$ 128,901</p>
<p>TOTAL PROJECT COST</p>		<p>\$ 7,058,110</p>



CONSTRUCTION COST ENGINEERING OF BOSTON

Town of Millis Police Headquarters		13 1300
Area 12,046 SF	Perimeter 636 LF	
12046 SF	Police Stations	Last Updated
Year 2013	Cost File 2013 Boston Union Average	4/2/2013 10:31:14 AM

Project Summary

Division	Total		
01 GENERAL REQUIREMENTS	424,020	\$35.20 /SF	9.9 %
02 SITE CONSTRUCTION	341,557	\$28.35 /SF	7.9 %
03 CONCRETE	264,758	\$21.98 /SF	6.2 %
04 MASONRY	399,657	\$33.18 /SF	9.3 %
05 METALS	47,347	\$3.93 /SF	1.1 %
06 WOOD AND PLASTICS	458,837	\$38.09 /SF	10.7 %
07 THERMAL AND MOISTURE PROTECTION	304,765	\$25.30 /SF	7.1 %
08 DOORS AND WINDOWS	299,582	\$24.87 /SF	7.0 %
09 FINISHES	335,693	\$27.87 /SF	7.8 %
10 SPECIALTIES	68,725	\$5.71 /SF	1.6 %
11 EQUIPMENT	169,637	\$14.08 /SF	3.9 %
12 FURNISHINGS	13,014	\$1.08 /SF	0.3 %
15 MECHANICAL	659,217	\$54.72 /SF	15.3 %
16 ELECTRICAL	453,171	\$37.62 /SF	10.5 %
Project	56,713	\$4.71 /SF	1.3 %

Sub Total		4,296,693	356.69 / SF
Profit	10 %	429,669	
Bond	1 %	42,967	
Contingency	15 %	644,504	
Escalation	3 %	128,901	
Grand Total		5,542,734	460.13 / SF



CONSTRUCTION COST ENGINEERING OF BOSTON

Sub Division Summary

Town of Millis Police Headquarters		13 1300
Area 12,046 SF	Perimeter 636 LF	
12046 SF	Police Stations	Last Updated
Year 2013	Cost File 2013 Boston Union Average	4/2/2013 10:31:14 AM

SubDivision	Description	Total	
<u>01 GENERAL REQUIREMENTS</u>		<u>\$424,020</u>	
01000	General Requirements	\$290,166	24.09 SF
01300	Submittals	\$15,388	1.28 SF
01310	Project Management & Coordination	\$44,000	3.65 SF
01500	Construction Facilities & Temp Controls	\$43,008	3.57 SF
01600	Material and Equipment	\$19,976	1.66 SF
01700	Contract Closeout	\$11,482	0.95 SF
<u>02 SITE CONSTRUCTION</u>		<u>\$341,557</u>	
02100	Site Preparation	\$7,398	0.61 SF
02200	Earthwork	\$47,049	3.91 SF
02273	Erosion and Sediment Control	\$9,589	0.80 SF
02500	Paving and Surfacing	\$34,174	2.84 SF
02515	Exterior Stone Paving	\$13,513	1.12 SF
02524	Curbs, Gutters and Walks	\$28,443	2.36 SF
02600	Piped Utilities	\$11,190	0.93 SF
02700	Sewage and Drainage	\$159,633	13.25 SF
02800	Site Improvements and Amenities	\$7,615	0.63 SF
02830	Site Concrete	\$8,011	0.67 SF
02900	Landscaping	\$14,941	1.24 SF

SubDivision	Description	Total	
<u>03 CONCRETE</u>			<u>\$264,758</u>
03000	Concrete	\$48,076	3.99 SF
03100	Concrete Forms and Accessories	\$1,756	0.15 SF
03200	Concrete Reinforcement	\$24,240	2.01 SF
03300	Cast-In-Place Concrete	\$186,365	15.47 SF
03810	Concrete Saw Cutting	\$4,320	0.36 SF
<u>04 MASONRY</u>			<u>\$399,657</u>
04100	Masonry Accessories	\$78,439	6.51 SF
04200	Masonry Units	\$321,218	26.67 SF
<u>05 METALS</u>			<u>\$47,347</u>
05000	Metals	\$2,475	0.21 SF
05100	Structural Steel	\$44,872	3.73 SF
<u>06 WOOD AND PLASTICS</u>			<u>\$458,837</u>
06000	Wood and Plastics	\$335,257	27.83 SF
06100	Rough Carpentry	\$123,581	10.26 SF
<u>07 THERMAL AND MOISTURE PROTECTION</u>			<u>\$304,765</u>
07000	Thermal and Moisture Protection	\$13,584	1.13 SF
07200	Thermal Protection, Insulation	\$69,154	5.74 SF
07270	Air/Vapor Barriers	\$9,859	0.82 SF
07300	Shingles, Roof Tiles, and Roof Coverin	\$58,214	4.83 SF
07400	Roofing and Siding Panels	\$66,818	5.55 SF
07600	Flashing and Sheet Metal	\$70,475	5.85 SF
07840	Firestopping	\$8,060	0.67 SF
07900	Joint Sealers	\$8,603	0.71 SF

SubDivision	Description	Total	
<u>08 DOORS AND WINDOWS</u>			<u>\$299,582</u>
08000	Doors and Windows	\$167,108	13.87 SF
08300	Specialty Doors	\$4,718	0.39 SF
08400	Entrances and Storefronts	\$27,041	2.24 SF
08500	Metal Windows	\$100,716	8.36 SF
<u>09 FINISHES</u>			<u>\$335,693</u>
09000	Finishes	\$123,703	10.27 SF
09200	Plaster and Gypsum Board	\$108,856	9.04 SF
09300	Tile	\$48,669	4.04 SF
09650	Resilient Flooring	\$7,994	0.66 SF
09653	Resilient Wall Base and Accessories	\$10,709	0.89 SF
09670	Resinous Flooring	\$35,762	2.97 SF
<u>10 SPECIALTIES</u>			<u>\$68,725</u>
10000	Specialties	\$68,725	5.71 SF
<u>11 EQUIPMENT</u>			<u>\$169,637</u>
11000	Equipment	\$92,569	7.68 SF
11020	Security and Vault Equipment	\$77,067	6.40 SF
<u>12 FURNISHINGS</u>			<u>\$13,014</u>
12000	Furnishings	\$13,014	1.08 SF
<u>15 MECHANICAL</u>			<u>\$659,217</u>
15000	Mechanical	\$659,217	54.72 SF
<u>16 ELECTRICAL</u>			<u>\$453,171</u>

SubDivision	Description	Total	
16000	Electrical	\$453,171	37.62 SF

<u>Project</u>		<u>\$56,713</u>	
17000	Communications	\$56,713	4.71 SF

Sub Total		4,296,693	356.69 / SF
Profit	10 %	429,669	
Bond	1 %	42,967	
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Description Quantity Unit Unit Cost Extended Cost

01 GENERAL REQUIREMENTS

01000 General Requirements

General superintendent	52	WEEK	2763.09	143,681
Asst. superintendent	26	WEEK	2201.60	57,242
Main office, general clerk	26	WEEK	1664.00	43,264
Cutting & patching, misc.	6	JOB	330.00	1,980
Permit fee \$10/m	4000	JOB	11.00	44,000
01000 General Requirements				290,166

01300 Submittals

Scheduling, progress cpm	1	EA	1100.00	1,100
Scheduling, cpm, update	11	EA	275.00	3,025
Survey, 3 man crew, line & grade	2	DAY	2215.92	4,432
Additional drawings	5	JOB	275.00	1,375
Drawings, shop/product data sheets	25	SET	218.23	5,456
01300 Submittals				15,388

01310 Project Management & Coordination

Insurance, 1%	40000	JOB	1.10	44,000
01310 Project Management & Coordination				44,000

01500 Construction Facilities & Temp Controls

Temporary heat, 24 hrs day, per wk office only	117	csf	35.82	4,190
Temporary electric, power/lights	12	MONTH	440.00	5,280
Rough hardware	5	JOB	385.00	1,925
Cleaning general, site 1 hour/day	250	HR	42.48	10,620

01 GENERAL REQUIREMENTS

Description	Quantity	Unit	Unit Cost	Extended Cost
Office trailer, furnished, 36'x8'	12	MONTH	264.00	3,168
Storage trailer, 28'x10'	12	MONTH	110.00	1,320
Project sign, 4' x 8' x 1 7/8"	1	EA	1033.57	1,034
Barrier, plywood on 2"x4"frame 4'	100	LF	24.03	2,403
Temporary fire, protection	6	JOB	550.00	3,300
Telephone, general clerk use	12	MONTH	275.00	3,300
Telephone,dedicated f/fax	12	MONTH	275.00	3,300
Owners rep trailer	12	MONTH	264.00	3,168
01500	Construction Facilities & Temp Controls			43,008

01600 Material and Equipment

Toilet, portable chemical, rent	24	MONTH	99.00	2,376
Equipment rentals, misc	4	JOB	4400.00	17,600
01600	Material and Equipment			19,976

01700 Contract Closeout

Clean-up, final	0.5	WEEK	6796.80	3,398
Punchlist, survey/check	2	WEEK	4041.60	8,083
01700	Contract Closeout			11,482

02 SITE CONSTRUCTION**02100 Site Preparation**

Strip & stockpile loam	100	CY	4.40	440
Clear & grub, and grade site work area	1	ACRE	6957.50	6,958
02100	Site Preparation			7,398

02200 Earthwork

Excavation, structural w/hyd. exvtr	376	CY	15.86	5,965
Excavation, trench,4'deep,w/backhoe	100	CY	12.48	1,248
Grading, fine,3 passes w/mtr grader	1000	SY	1.32	1,324
Hand excavation, trench under slab	20	CY	55.00	1,100
Fill, gravel,12"deep,under flr slab	12046	SF	1.19	14,291
Fill, gravel,12"deep,under apron slab	300	SF	1.19	356
Excavation, hyd.execav.1.5cy60cy/hr	1680	CY	4.96	8,329
Grading, finish by hand sog	12046	SF	0.68	8,187
Excavation, trench,,w/backhoe	250	CY	12.48	3,120

02 SITE CONSTRUCTION

Description	Quantity	Unit	Unit Cost	Extended Cost
Backfill, compaction, vib/plate 6"	250	CY	12.52	3,130
02200	Earthwork			47,049
02273 Erosion and Sediment Control				
Erosion control, silt fence, mirafi	800	SY	3.96	3,169
Erosion con., hay bales, stake/remov	800	LF	4.06	3,251
Filter fabric, mirafi	800	SY	3.96	3,169
02273	Erosion and Sediment Control			9,589
02500 Paving and Surfacing				
Paint, stripping and hp symbols	100	SF	4.88	488
Bollards, 8" pipe w/cement 6'6"	12	EA	172.04	2,064
Basecourse, bank run gravel, 12" deep	1000	SY	5.48	5,476
Bitum., paving, wearing course 1.5"	1000	SY	8.00	8,002
Paint, parking stall, white	20	STALL	6.63	133
Sidewalk, concrete 4"	1000	SF	5.81	5,813
Bitum., paving, binder course 2" dbl for H.D.	1000	SY	11.00	11,001
Bollards, 8" pipe w/cement 6'-6" for Island	2	EA	364.54	729
Basecourse, bank run gravel, 8" deep sidewalks	110	SY	4.25	468
02500	Paving and Surfacing			34,174
02515 Exterior Stone Paving				
Pavers, granite 2" rumple strip 6' wide	200	SF	36.62	7,323
Pavers, fieldstone 2"	200	SF	30.95	6,190
02515	Exterior Stone Paving			13,513
02524 Curbs, Gutters and Walks				
Curbs, granite split face st.5"x16" slope edging	1000	LF	26.88	26,879
Curbs, granite split face st.6"x18"	50	LF	31.28	1,564
02524	Curbs, Gutters and Walks			28,443
02600 Piped Utilities				
Pipe, ductile iron, 4" diam. cl250	100	LF	26.26	2,626
Tapping sleeves & valves	1	EA	385.00	385
Pipe, ductile iron, 6" diam. cl250	100	LF	40.90	4,090

02 SITE CONSTRUCTION

Description	Quantity	Unit	Unit Cost	Extended Cost
Pipe, ductile iron, 8"diam. cl250	100	LF	40.90	4,090
02600	Piped Utilities			11,190

02700 Sewage and Drainage

ALLOWANCE FOR STORM & SEWER THIS SECTION	0	EA	0.00	0
Manhole & c. basin, precast, 4'x4'd	10	EA	2278.35	22,784
Frames & covers, heavy traffic 36"	10	EA	924.74	9,247
Drainage pipe, d.i. 8"dia	100	LF	40.90	4,090
Drainage pipe, d.i., 12" dia	100	LF	63.55	6,355
Sewage pipe, pvc, 6"dia.	100	LF	10.66	1,066
Pipe, flared ends	2	EA	770.00	1,540
Stormsepter 5000 gal	1	EA	8250.00	8,250
Outlet structures	1	EA	2750.00	2,750
Drainage pipe, ductile iron, 10"dia	100	LF	52.65	5,265
Inverts, single channel, brick	10	EA	656.23	6,562
Drainage pipe, ductile iron, 18" dia	100	LF	89.71	8,971
Drainage pipe, ductile iron, 15" dia	100	LF	75.62	7,562
Ductile iron, 6"dia roof drain	100	LF	29.13	2,913
Pipe, plastic, cpvc	100	LF	31.18	3,118
Stormtech units sc-740	50	EA	572.45	28,622
Leaching 3/4" -2" filter stone, washed	200	CY	22.00	4,400
Manhole, 4'x4' 8'dp relocation	3	EA	4587.30	13,762
Frames & covers, heavy traffic 36" relocate	3	EA	924.74	2,774
Inverts, single channel, brick relocate	3	EA	656.23	1,969
Pipe, rein.concrete, 24"dia., class 3 relocate	300	LF	58.78	17,633
02700	Sewage and Drainage			159,633

02800 Site Improvements and Amenities

Fence, around generator pad	50	LF	41.32	2,066
Fence, gate	2	EA	361.06	722
Guard rail, WOOD	100	LF	17.58	1,758
Parking barriers, precast 8"x13"x6' curb stop	20	EA	56.58	1,132
Benches, fiberglass 8'	2	EA	969.06	1,938
02800	Site Improvements and Amenities			7,615

02830 Site Concrete

Conc. emergency generator pad/xmtr	10	CY	180.12	1,801
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02 SITE CONSTRUCTION

Description	Quantity	Unit	Unit Cost	Extended Cost
Concrete in place, ground slab, 12" apron	300	SF	7.05	2,116
Field stone wall, 2' wide	100	SFFACE	40.94	4,094
02830	Site Concrete			8,011

02900 Landscaping

Topsoll, spread w/loader hand dress	100	CY	18.22	1,822
Trees allowance	20	EA	385.00	7,700
Shrubs 2' high	25	EA	44.00	1,100
Seeding, turf mix, push spreader	50	MSF	86.39	4,320
02900	Landscaping			14,941

03 CONCRETE**03000 Concrete**

Layout	80	hr	174.50	13,960
Set anchor bolts & base plates	160	ea	161.66	25,866
Misc materials, tools, supplies	1	ls	8250.00	8,250
03000	Concrete			48,076

03100 Concrete Forms and Accessories

Expansion joint, bit.fiber, 1/2"x6"	636	LF	2.76	1,756
03100	Concrete Foms and Accessories			1,756

03200 Concrete Reinforcement

Reinforcing, 100#/cy	12.7	TON	1128.05	14,326
Welded wire fabric, 6x6-w1.4xw1.4 office	109.35	CSF	73.75	8,064
Welded wire fabric, 6x6-w2.9xw2.9 garage	11.11	CSF	100.13	1,112
Welded wire fabric, 6x6-w1.4xw1.4 sidewalks	10	CSF	73.75	737
03200	Concrete Reinforcement			24,240

03300 Cast-in-Place Concrete

Conc. fixed platforms	4	EA	770.00	3,080
Finishing, broom finish sidewalks	1000	SF	1.48	1,485
Finishing floor, steeltrowel	12046	SF	1.60	19,316

03 CONCRETE

Description	Quantity	Unit	Unit Cost	Extended Cost
Concrete, housekeeping pads	4	EA	220.00	880
Concrete, sealer, hardener&dustprf garage	1111	SF	0.52	578
Concrete in place, stripfoot,36"x12	78.6	CY	321.98	25,308
Concrete in place, spread footing	17	CY	440.64	7,491
Concrete in place, grade wall 16"x4'	110.2	CY	516.40	56,907
Concrete in place, ground slab, 4" office	10935	SF	4.02	43,930
Concrete in place, ground slab, 6" garage	1111	SF	4.89	5,432
Concrete in place, thickened slab f/cmu,24"x12	65	CY	337.82	21,958
03300		Cast-In-Place Concrete		186,365

03810 Concrete Saw Cutting

Saw cut, conc slab, 1"	1875	LF	2.17	4,065
Saw cut, asphalt, to 3" deep	200	LF	1.28	255
03810		Concrete Saw Cutting		4,320

04 MASONRY**04100 Masonry Accessories**

Install hm frames in cmu partitions	38	ea	191.09	7,262
Control joint, pvc 8" wall	165	LF	5.53	913
Staging, 2 use per month	20000	SF	1.32	26,305
Forklift, w/ operator	30	DAY	1113.50	33,405
Mortar Dropping Collection Device 1"	636	LF	2.71	1,722
Weep Vent Inserts	318	EA	1.45	462
Lintels, steel angles, plain	5000	LB	1.67	8,370
04100		Masonry Accessories		78,439

04200 Masonry Units

Cmu, back up, 8"thick	8132	SF	12.81	104,177
Cmu, bond beam, 8"thick 4' oc vert. bu	1908	LF	15.67	29,907
Cmu, bond beam, 8"thick 4' oc vert. partitions	2628	LF	15.67	41,192
Cmu, partitlon, 8" thick	10950	SF	13.33	145,943
04200		Masonry Units		321,218

05 METALS

Description	Quantity	Unit	Unit Cost	Extended Cost
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05 METALS**05000 Metals**

Steel brackets for casework - allow	1	ls	2475.00	2,475
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05000 Metals				2,475
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05100 Structural Steel

Fabricate columns & beams misc	10	tn	1650.00	16,500
Erect steel	10	tn	1016.90	10,169
Furnish galvanized lintels	16	ea	131.44	2,103
Supports for coiling doors	3	ea	2171.90	6,516
Steel channel overhead door frames	3	ea	3194.91	9,585

05100 Structural Steel				44,872
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06 WOOD AND PLASTICS**06000 Wood and Plastics**

Air infiltration barrier	8132	sf	1.62	13,147
In wall blocking	1	ls	3061.66	3,062
Metal hurricane ties & anchor bolts - allowance	1	ls	3850.00	3,850
Pvc watertable trim & board	429	lf	14.20	6,092
Pvc 6" corner board	319	lf	25.56	8,155
Pvc 1'-2" frieze board at eaves	252	lf	10.65	2,683
Azek small crown mold at	701	lf	10.65	7,464
Pvc 6" door trim	74	lf	9.21	681
Pvc 4" window jamb trim (104 each)	491	lf	15.33	7,529
Azek window crosshead-windows (51 each)	192	lf	61.35	11,779
Pvc 3" apron board (51 each)	191	lf	40.90	7,812
Pvc 2" sill board (51 each)	204	lf	40.90	8,343
Azex window crosshead - doors (3 each)	13	lf	42.47	552
Pvc 8" fascia board	488	lf	10.65	5,196
Pvc 1'-2" vented soffit board	476	lf	15.98	7,608
Pvc 10" frieze board at gables/windows	286	lf	10.65	3,045
Azex window crosshead - overhead doors (2 each)	26	lf	28.31	736

06 WOOD AND PLASTICS

Description	Quantity	Unit	Unit Cost	Extended Cost
Pvc 6" soffit board - widows	55	lf	10.65	586
Pvc 14" corner board - entry vest	37	lf	28.41	1,051
Azek large crown mold at ent./vest	96	lf	10.65	1,022
Azek medium crown mold at ent./vest	135	lf	10.66	1,439
Pvc 10" fascia board at ent./vest	90	lf	10.65	958
Pvc 2'-3" frieze board at entry vest	78	lf	15.98	1,247
Azek 3" bed mold at ent vest/permit ent	78	lf	10.65	831
Melton columns - 1'4" x 10'-0	8	ea	572.88	4,583
Pvc 10" soffit board - entry vest gable	90	lf	15.98	1,438
Pvc 6" fascia board at ent./vest	42	lf	10.65	447
Pvc 2" accent trim at entry vest gable end	96	lf	15.98	1,534
Azex 12" door pilasters - entry vest	20	lf	28.64	573
Pvc 4" fascia at door canopy	111	lf	8.95	994
Pvc 8" fascia board at door canopy/permit entry	41	lf	8.95	367
Pvc 6" soffit board - door canopy	47	lf	8.95	421
Pvc 4" soffit board - door canopy	41	lf	8.95	367
Azex canopy brackets - door canopy	6	ea	286.44	1,719
Upper cabinets	151	lf	190.83	28,816
Base cabinets with p-lam tops	348	lf	289.63	100,790
Mailroom 223 mail slots	1	ls	1100.00	1,100
Window trim	51	ea	173.22	8,834
Wainscot paneling - 4'	385	sf	21.24	8,176
Wood base	969	lf	9.18	8,899
Countertop only - p-lam	229	lf	67.92	15,553
Vanities - solid surface	89	lf	135.83	12,089
Waiting area 226 casework	13	lf	271.66	3,532
Closet shelving	13	lf	37.94	493
Countertop - epoxy resin	59	lf	163.33	9,637
Countertop - stainless	40	lf	95.42	3,817
Window sills & aprons - solid surface	51	ea	113.83	5,805
Exterior paneling -	490	sf	21.24	10,405
06000		Wood and Plastics		335,257

06100 Rough Carpentry

Sheathing, roof, 3/4" cdx plywood	17424	SF	2.43	42,425
Roof truss, wood,40' span	62	EA	476.84	29,564
Roof truss, wood,76' span	56	EA	564.84	31,631
Sheathing, wall, 5/8" ext plywood	8132	SF	2.45	19,960
06100		Rough Carpentry		123,581

07 THERMAL AND MOISTURE PROTECTION

Description	Quantity	Unit	Unit Cost	Extended Cost
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07 THERMAL AND MOISTURE PROTECTION**07000 Thermal and Moisture Protection**

1/2" rigid insulation under pvc clapboards	8132	sf	1.67	13,584
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07000 Thermal and Moisture Protection				13,584
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07200 Thermal Protection, Insulation

Spray cellulose insulation - exterior walls	8132	sf	3.08	25,018
Spray cellulose insulation - truss botton chord	12046	sf	3.08	37,059
Rigid Insulation perimeter under slab	2540	sf	1.39	3,539
Rigid insulation at foundation walls	2540	sf	1.39	3,539

07200 Thermal Protection, Insulation				69,154
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07270 Air/Vapor Barriers

Ice & water, shield f/eaves, valley	17424	SF	0.57	9,859
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07270 Air/Vapor Barriers				9,859
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07300 Shingles, Roof Tiles, and Roof Coverings

Shingles, asphalt, prem c, 300-385	174.24	SQ	334.10	58,214
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07300 Shingles, Roof Tiles, and Roof Coverings				58,214
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07400 Roofing and Siding Panels

6" clapboards, hardi board	8132	SF	8.22	66,818
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07400 Roofing and Siding Panels				66,818
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07600 Flashing and Sheet Metal

Downspouts - copper	10	ea	925.67	9,257
Gutters - copper	636	lf	93.34	59,361
Ridge vent - sub	226	lf	8.21	1,856

07600 Flashing and Sheet Metal				70,475
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07840 Firestopping

07 THERMAL AND MOISTURE PROTECTION

Description	Quantity	Unit	Unit Cost	Extended Cost
Miscellaneous firestopping	12046	sf	0.67	8,060
07840 Firestopping				8,060
07900 Joint Sealers				
Misc exterior joint sealants	12046	sf	0.36	4,301
Misc interior joint sealants	12046	sf	0.36	4,301
07900 Joint Sealers				8,603

08 DOORS AND WINDOWS

08000 Doors and Windows				
Furnish hm frame & install	52	ea	422.08	21,948
Furnish hm door & install	8	ea	449.58	3,597
Furnish hm door with vision panel & install	3	ea	477.08	1,431
Furnish wood door & install	20	ea	436.66	8,733
Furnish wood doors with vision panel(s)	23	ea	447.66	10,296
Furnish wood doors 5 - bullet resistant	1	ea	951.38	951
Furnish egress hardware & install	3	ea	935.00	2,805
Furnish basic hardware & install	52	ea	629.72	32,745
Unload & distribute doors & hardware	52	ea	134.72	7,005
Full height mirrors in physical training 115	7	ea	1216.96	8,519
Fiberglass clad wood windows - type win-1 - marvin -	28	ea	1034.75	28,973
Fiberglass clad wood windows - type win-2/3 - marvin	23	ea	737.40	16,960
Mirror finish - type win-3 - allowance	8	ea	165.00	1,320
Fiberglass clad wood windows - type win-1/2/3 -	51	ea	427.90	21,823
08000 Doors and Windows				167,108

08300 Specialty Doors				
Overhead door, steel 24ga. 10' x 12' h	2	EA	2359.14	4,718
08300 Specialty Doors				4,718

08400 Entrances and Storefronts				
Interior storefront doors, 1-2	4	ea	3093.92	12,376
Interior aluminum storefront, 2-2a	240	sf	61.10	14,665

08 DOORS AND WINDOWS

Description	Quantity	Unit	Unit Cost	Extended Cost
08400	Entrances and Storefronts			27,041

08500 Metal Windows

Aluminum window	1372	SF	53.72	73,702
Bullet glass in frame admin area	200	sf	135.07	27,013
08500	Metal Windows			100,716

09 FINISHES**09000 Finishes**

Gwb ceilings/soffits - no framing	342	sf	10.54	3,604
Type g-1 partition - no framing	1608	sf	4.29	6,898
Exterior backup partition -	8132	sf	4.29	34,886
Bullet resistant panels	750	sf	30.93	23,194
Acoustical ceilings 2x2	2510	sf	3.79	9,524
Sealed concrete conc	1547	sf	1.23	1,910
Carpet cpt-1	153.22	sy	38.50	5,899
Paint gwb ceilings	342	sf	0.65	222
Paint all walls	44000	sf	0.65	28,556
Paint doors	52	ea	74.25	3,861
Paint hm frames	52	ea	99.00	5,148
09000	Finishes			123,703

09200 Plaster and Gypsum Board

Furring, walls, 3/4"galvanized, 16"o.c.	8132	SF	3.27	26,557
Part.gwb, hi-impact 5/8", w/m.stud.sgl	7000	SF	8.58	60,046
Drywall, hi Impact, 5/8" on walls t&f	8132	SF	2.74	22,253
09200	Plaster and Gypsum Board			108,856

09300 Tile

Ceramic tile	585	sf	16.47	9,637
Ceramic wall tile	2400	sf	14.18	34,043
Tile base	400	lf	12.47	4,989
09300	Tile			48,669

09650 Resilient Flooring

09 FINISHES

Description	Quantity	Unit	Unit Cost	Extended Cost
Vct flooring vct, vct-1	830	sf	3.42	2,838
Sheet vinyl flooring svt-2	585	sf	8.81	5,157
09650	Resilient Flooring			7,994

09653 Resilient Wall Base and Accessories

Resilient base b, b-1, b-2	2741	lf	3.91	10,709
09653	Resilient Wall Base and Accessories			10,709

09670 Resinous Flooring

Epoxy floors ep	2100	sf	14.62	30,698
Epoxy cove base eb	402	lf	12.60	5,064
09670	Resinous Flooring			35,762

10 SPECIALTIES**10000 Specialties**

Fixed marker boards - 6' x 4'	4	ea	498.30	1,993
Tackboards - 6' x 4'	6	ea	498.30	2,990
Manually operated projection screen	2	ea	605.00	1,210
Louvers - I1	16	sf	93.50	1,496
Signage	1	ls	6128.10	6,128
Evidence lockers	2	ea	302.50	605
Wardrobe lockers	42	ea	302.50	12,705
Prisoner lockers	5	ea	412.50	2,063
Wall protection sheet wp-1	1588	sf	8.80	13,974
Crash rails	148	lf	18.57	2,748
Fire extinguishers	10	ea	385.00	3,850
Wire mesh partitions	12	lf	168.30	2,020
Hc toilet compartments, baked enamel	4	ea	990.00	3,960
Standard toilet compartments, baked enamel	1	ea	825.00	825
Wall hung urinal screens, baked enamel	1	ea	275.00	275
Coat/robe hooks	5	ea	42.08	210
Grab bars	12	ea	195.80	2,350
Toilet paper holders	12	ea	195.80	2,350
Framed mirrors, single sinks	11	ea	267.30	2,940
Soap dispensers	11	ea	106.70	1,174
Paper towel dispenser	11	ea	195.80	2,154

10 SPECIALTIES

Description	Quantity	Unit	Unit Cost	Extended Cost
Sanitary napkin dispenser	6	ea	117.70	706
10000 Specialties				68,725

11 EQUIPMENT

11000 Equipment

Detention equipment - sub	1	ls	75900.00	75,900
Detention equipment - sub	437	sf	27.50	12,018
Refrigerator/freezer - ge #gbsc0hbxww	2	ea	1193.50	2,387
Undercounter refridgerator - u-line 29r-w (k-10)	1	ea	1150.60	1,151
Microwave unit - under mount - ge#jnm1541dmww	1	ea	291.50	292
Microwave unit - counter top - ge #je1460dmww	1	ea	198.00	198
Dishwasher - ge #glda696pss	1	ea	624.80	625
11000 Equipment				92,569

11020 Security and Vault Equipment

High density storage files	1	allow	77067.36	77,067
11020 Security and Vault Equipment				77,067

12 FURNISHINGS

12000 Furnishings

Walk off mats wom	170	sf	46.56	7,916
Exterior vertical louvers blinds - sub	1	ls	4840.00	4,840
Black out window shades - conf rm 227 - sub	1	ls	258.50	259
12000 Furnishings				13,014

15 MECHANICAL

15000 Mechanical

Fire protection - sub	12046	sf	4.95	59,628
Plumbing - sub	12046	sf	8.85	106,667
Hvac - sub	12046	sf	40.92	492,922

15 MECHANICAL

Description	Quantity	Unit	Unit Cost	Extended Cost
	15000	Mechanical		659,217

16 ELECTRICAL

16000 Electrical

Electrical - sub	12046	sf	37.62		453,171
	16000	Electrical			453,171

Project

17000 Communications

Electrical - sub	12046	sf	4.71		56,713
	17000	Communications			56,713

Sub Total		4,296,693	356.69 / SF
Profit	10 %	429,669	
Bond	1 %	42,967	
Contingency	15 %	644,504	
Escalation	3 %	128,901	
Grand Total		5,542,734	460.13 / SF