



# **HAVERFORD TOWNSHIP NEW MUNICIPAL BUILDING**

## **Design Development Cost Estimate**

RC Project No. 15-1613  
December 1, 2015



December 1, 2015

Ms. Lori Hanlon-Widdop  
Haverford Township  
2325 Darby Road  
Havertown, PA 19083

RE: **Haverford Township**  
New Municipal Building  
RC Project No. 15-1613  
*Design Development Cost Estimate*

Dear Lori:

Reynolds Construction is pleased to present our Design Development Cost Estimate for the construction of the **New Municipal Building for Haverford Township.**

If you have any comments, questions or concerns regarding this estimate please feel free to contact me.

Sincerely,

**REYNOLDS CONSTRUCTION, LLC**

*William M. MacLaughlin*

William M. MacLaughlin  
Project Executive

Attachment

cc: Edward M. Mangold, AIA - KCBA  
John Luzik - RC

**Haverford Township  
New Municipal Building**

**Design Development Cost Estimate**

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**Haverford Township  
New Municipal Building**

**Design Development Cost Summary**

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Lower Level	24,374	sf
Upper Level	18,621	sf
Upper Level Storage	1,192	sf
<b>Total Building Area</b>	<b>44,187</b>	sf
	<b>Cost</b>	<b>Cost / sf</b>
Site Work	\$3,125,028	\$ 70.72
New Building	\$11,456,704	\$ 259.28
Total Construction Cost	<b>\$14,581,732</b>	\$ 330.00
Estimated Soft Costs (See Attached)	<b>\$ 2,932,700</b>	
<b>ESTIMATED TOTAL PROJECT COST</b>	<b>\$17,514,432</b>	

**Haverford Township  
New Municipal Building**

**Design Development Cost Estimate**

**Soft Costs Breakdown**

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Architectural / Engineering Fees	\$ 795,000
Reimbursables	\$ 15,000
Included in A/E Fee	NA
Construction Managers Fee	\$ 347,700
Construction Managers Reimbursable Expenses	\$ 10,000
Traffic Study	Complete
HVAC Commissioning	\$ 40,000
Building Permit Fee	NA
Traffic Impact Fees	Complete
Erosion Control Permit	\$ 15,000
Miscellaneous Site Permits	\$ 10,000
Sewage Tap in Fee	NA
Water Company Fees	NA
Utility Company Fees (Allowance)	\$ 25,000
Legal Fees (Allowance)	\$ 20,000
Misc Soft Costs	\$ 10,000
Printing Cost	\$ 10,000
Advertisement Cost	\$ 5,000
Builders Risk Insurance @ .17% of Building Construction	\$ 25,000
Testing Agency Fees	\$ 75,000
Asbestos Consultant Fees	\$ 10,000
Asbestos Abatement (Allowance)	\$ 50,000
Movable Furniture, Fixtures and Equipment (Allowance)	\$ 550,000
Moving & Storage Costs	\$ 40,000
Tele-Data/Technology	\$ 150,000
Construction Contingency 4%	\$ 530,000
Bond / Financing Cost	\$ 200,000
<b>TOTAL SOFT COSTS</b>	<b>\$ 2,932,700</b>

# Haverford Township New Municipal Building

## Design Development Cost Estimate

### Clarifications

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1. Our budget estimate is based on the following documents:
  - Site Drawing dated 10/26/15
  - Building Floor plans and elevations dated 11/13/15
  
2. Exclusions:
  - Building Permit
  - Sewage Tap in Fee
  - Water Company Fees
  
3. All storage shelving shown in the following spaces is assumed to be by the Owner:
  - Record Storage
  - Finance Storage
  - Admin Storage
  - Paramedics Storage
  - Codes Active Files
  - Finance Storage
  - General Records
  - Records Work Area
  - Archived Storage
  - Armory Storage
  - Evidence Room
  - Evidence Custodian
  - Files
  
4. We assume that all utilities are available in the street and therefore no offsite utility work is included.
  
5. We have provided the following allowances in the estimate:

• Design Contingency	\$680,481
• Escalation projection until bidding	\$218,726
• Submittal Exchange	\$8,000
• Off-site road improvements	\$75,000
• Memorial	\$35,000
• Rock excavation	\$75,000
• Landscaping	\$100,000
• Detention Equipment Not Listed	\$15,000
• Elevator	\$85,000
• Police storage building	\$10,000

6. Building Areas:

• Lower Level	24,374 SF
• Upper Level	18,621 SF
• Township Storage	1,192 SF
Total	44,187 SF

7. Motorized shades were estimated for the commissioners Board Room.

**Standard Estimate Report**  
*Haverford Township Bldg*

<b>Project name</b>	Haverford Township Bldg Haverford Township PA
<b>Estimator</b>	JML
<b>Labor rate table</b>	Deleware County
<b>Equipment rate table</b>	Equipment
<b>Duration</b>	
<b>Bid date</b>	12/1/2015
<b>Report format</b>	Sorted by 'N/R/Site/Group phase/Phase' 'Detail' summary



Item	Description	Takeoff Qty	Labor	Material	Subcontract	Equipment	Total	Amount
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	
<b>Site</b>								
<b>Site Work</b>								
<hr/>								
2000.000	<b>DEMOLITION</b>							
<hr/>								
2060.100	<i>Building Demolition</i>							
30	Demo Masonry Building	14,000.00 sf	-	-	6.50 /sf	-	6.50 /sf	91,000
	<i>Building Demolition</i>							91,000
2070.100	<i>Demo Site</i>							
05	Demo Underground Storage Tanks	1.00 ea	-	-	15,000.00 /ea	-	15,000.00 /ea	15,000
06	Contaminated Earth Removal and Replacement	250.00 cy	-	-	75.00 /cy	-	75.00 /cy	18,750
14	Demo Utility Lines	1,500.00 lf	15.00 /lf	-	-	6.00 /lf	21.00 /lf	31,500
18	Demo Concrete Sidewalks	3,200.00 sf	1.34 /sf	-	-	0.40 /sf	1.74 /sf	5,555
202	Demo Bituminous Pave > 3"	128,145.00 sf	0.73 /sf	-	-	0.22 /sf	0.95 /sf	121,331
204	Saw Cut Asphalt Paving	400.00 lf	2.48 /lf	-	-	1.50 /lf	3.98 /lf	1,590
210	Remove Bituminous to Waste	3,940.00 cy	7.67 /cy	-	-	7.07 /cy	14.74 /cy	58,057
	<i>Demo Site</i>							251,783
	2,004.120 Labor hours							
	1,044.65 Equipment hours							
2070.110	<i>Demo Site Improvements</i>							
24	Demo Small Signs	10.00 ea	19.60 /ea	-	-	-	19.60 /ea	196
81	Demo Small Trees	15.00 ea	400.76 /ea	-	-	90.00 /ea	490.76 /ea	7,361
100	Demo Garage	625.00 sf	5.00 /sf	-	-	1.123 /sf	6.123 /sf	3,827
	<i>Demo Site Improvements</i>							11,384
	140.121 Labor hours							
	48.93 Equipment hours							
	<b>DEMOLITION</b>							
	2,144.241 Labor hours							354,168
	1,093.58 Equipment hours							
2100.000	<b>SITE WORK</b>							
<hr/>								
2100.050	<i>Sitework Gen. Conditions</i>							
0001	Surveying / Layout	1.00 ls	-	-	8,000.00 /ls	-	8,000.00 /ls	8,000
0002	Traffic Control	1.00 ls	-	-	7,500.00 /ls	-	7,500.00 /ls	7,500
0003	Site Mobilization for Site Contractor	1.00 ls	-	-	25,000.00 /ls	-	25,000.00 /ls	25,000
0004	Street Cleaning	1.00 ls	-	-	15,000.00 /ls	-	15,000.00 /ls	15,000
0005	Site Supervision for Site Contractor	1.00 ls	-	-	30,000.00 /ls	-	30,000.00 /ls	30,000
0006	Testing of Utility Lines	1.00 ls	-	-	3,000.00 /ls	-	3,000.00 /ls	3,000
0010	Contractor Trailer Area & Laydown Area 8" Stone	12,000.00 sf	0.331 /sf	0.48 /sf	-	0.19 /sf	1.001 /sf	12,015
0012	Regrade laydown Area for Parking lot	1,400.00 sy	1.33 /sy	-	-	0.76 /sy	2.09 /sy	2,919
	<i>Sitework Gen. Conditions</i>							103,434
	70.40 Labor hours							
	70.40 Equipment hours							
2100.055	<i>Barricades</i>							
100	Penndot Concrete Barricades Rental	250.00 lf	-	-	30.00 /lf	-	30.00 /lf	7,500
	<i>Barricades</i>							7,500
2105.100	<i>Drains</i>							
n	10 Foundation Drain	1,100.00 lf	11.76 /lf	4.00 /lf	-	-	15.76 /lf	17,333
n	20 Under Slab Drain	800.00 lf	5.88 /lf	3.50 /lf	-	-	9.38 /lf	7,503

Item	Description	Takeoff Qty					Total	
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost	Unit Cost	Amount
	<i>Drains</i>							24,836
	300.00 Labor hours							
	<b>SITE WORK</b>							<b>135,769</b>
	370.40 Labor hours							
	70.40 Equipment hours							
<b>2210.000</b>	<b>EARTHWORK</b>							
<b>2210.110</b>	<i>Grading- Rough</i>							
10	Rough Grading Site, Large Area	24,000.00 sy	0.50 /sy	-	-	0.35 /sy	0.85 /sy	20,333
----	Relace Unsuitable Soils	2,500.00 cy	-	-	30.00 /cy	-	30.00 /cy	75,000
	<i>Grading- Rough</i>							95,333
	144.914 Labor hours							
	144.914 Equipment hours							
<b>2210.120</b>	<i>Grading- Fine</i>							
10	Fine Grade Roads & Parking Lots	13,308.00 sy	0.662 /sy	-	-	0.37 /sy	1.032 /sy	13,740
30	Fine Grade Building Pad	3,200.00 sy	1.05 /sy	-	-	0.40 /sy	1.45 /sy	4,630
40	Fine Grade Walks	1,258.00 sy	1.05 /sy	-	-	0.40 /sy	1.45 /sy	1,820
45	Fine Grade Lawns	6,870.00 sy	0.662 /sy	-	-	0.37 /sy	1.032 /sy	7,093
	<i>Grading- Fine</i>							27,284
	227.47 Labor hours							
	227.47 Equipment hours							
<b>2220.110</b>	<i>Strip Topsoil</i>							
10	Strip to Stockpile on Site (Loader)	1,145.00 cy	5.00 /cy	-	-	5.151 /cy	10.151 /cy	11,623
	<i>Strip Topsoil</i>							11,623
	99.54 Labor hours							
	99.54 Equipment hours							
<b>2220.150</b>	<i>Rock Excavation</i>							
01	Rock Excavation Allowance (LS)	1.00 ls	-	-	75,000.00 /ls	-	75,000.00 /ls	75,000
02	Rock Excavation Allowance for Utilities	1.00 ls	-	-	15,000.00 /ls	-	15,000.00 /ls	15,000
	<i>Rock Excavation</i>							90,000
<b>2220.201</b>	<i>Site Excavation</i>							
37	Excavation - Haul out - Loader/Trucks (30 min Haul)	20,022.00 cy	6.60 /cy	-	-	8.75 /cy	15.35 /cy	307,230
	<i>Site Excavation</i>							307,230
	2,002.20 Labor hours							
	2,002.20 Equipment hours							
<b>2221.240</b>	<i>Bldg Exc- Footings</i>							
11	Exc Continuous Footings - inc Haul off Spoils	750.00 cy	11.80 /cy	-	-	10.00 /cy	21.80 /cy	16,350
	<i>Bldg Exc- Footings</i>							16,350
	125.00 Labor hours							
	150.00 Equipment hours							
<b>2250.000</b>	<i>Respread Topsoil</i>							
20	Respread Topsoil - Confined Areas (No Import)	1,146.00 cy	14.88 /cy	-	-	3.75 /cy	18.63 /cy	21,345
	<i>Respread Topsoil</i>							21,345
	254.67 Labor hours							
	127.333 Equipment hours							
	<b>EARTHWORK</b>							<b>569,163</b>
	2,853.79 Labor hours							
	2,751.454 Equipment hours							

Item	Description	Takeoff Qty					Total	Amount
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost		
<b>2270.000</b>	<b>EROSION CONTROL</b>							
<i>2272.201</i>	<i>Temp Erosion Control</i>							
01	Temp E&S Control Allowance	1.00 ls	-	-	25,000.00 /ls	-	25,000.00 /ls	25,000
06	Concrete Wash-out pit	1.00 ls	-	-	1,200.00 /ls	-	1,200.00 /ls	1,200
100	Maintain E&S Control	1.00 ls	-	-	3,500.00 /ls	-	3,500.00 /ls	3,500
	<i>Temp Erosion Control</i>							<u>29,700</u>
	<b>EROSION CONTROL</b>							<b>29,700</b>
<b>2500.000</b>	<b>ASPHALT &amp; CONCRETE</b>							
<i>2510.120</i>	<i>Asphalt Paving - SY</i>							
10	Fine Grade Paving	13,308.00 sy	0.662 /sy	-	-	0.37 /sy	1.032 /sy	13,740
27	Stone Base at Paved Areas (8")	13,308.00 sy	0.662 /sy	9.00 /sy	-	0.37 /sy	10.032 /sy	133,512
31	Binder Course - 3" Superpave 25 mm	13,308.00 sy	1.98 /sy	13.55 /sy	-	0.98 /sy	16.51 /sy	219,718
51	Wearing Course - 1 1/2" ID-2	13,308.00 sy	2.10 /sy	6.98 /sy	-	1.04 /sy	10.112 /sy	134,569
	<i>Asphalt Paving - SY</i>							<u>501,539</u>
	1,100.463 Labor hours							
	627.111 Equipment hours							
<i>2513.105</i>	<i>Pavement Patch</i>							
70	Permanent Pavement Patch	65.00 sy	-	-	85.00 /sy	-	85.00 /sy	5,525
	<i>Pavement Patch</i>							<u>5,525</u>
<i>2515.110</i>	<i>Site Pavers</i>							
40	Pavers Granite @ Outdoor Plaza	710.00 sf	12.844 /sf	15.75 /sf	-	2.25 /sf	30.844 /sf	21,899
	<i>Site Pavers</i>							<u>21,899</u>
	142.00 Labor hours							
	47.333 Equipment hours							
<i>2520.110</i>	<i>Concrete Paving</i>							
1	Concrete Equipment Pads for MEP	250.00 sf	8.43 /sf	3.41 /sf	-	0.482 /sf	12.32 /sf	3,080
	<i>Concrete Paving</i>							<u>3,080</u>
	32.143 Labor hours							
	3.571 Equipment hours							
<i>2520.200</i>	<i>Concrete Sidewalks</i>							
4	Excavate and Fine Grade Walks	11,317.00 sf	0.57 /sf	-	-	0.22 /sf	0.781 /sf	8,843
6	Stone Under Walks - 4"	11,317.00 sf	0.63 /sf	0.63 /sf	-	0.24 /sf	1.493 /sf	16,898
7	4" Concrete Walk	11,317.00 sf	4.72 /sf	1.543 /sf	-	0.27 /sf	6.533 /sf	73,939
11	Handi-cap Curb Cut for Sidewalks	4.00 ea	295.02 /ea	62.50 /ea	-	84.38 /ea	441.89 /ea	1,768
	<i>Concrete Sidewalks</i>							<u>101,448</u>
	1,023.96 Labor hours							
	291.67 Equipment hours							
<i>2525.107</i>	<i>Curbs- Concrete</i>							
10	Excavate Concrete Curb	5,100.00 lf	2.832 /lf	-	-	1.00 /lf	3.832 /lf	19,542
15	Concrete Curb - 18" (Slip Form)	5,100.00 lf	12.60 /lf	3.472 /lf	-	1.333 /lf	17.404 /lf	88,763
20	Backfill Concrete Curb	5,100.00 lf	2.231 /lf	-	-	0.563 /lf	2.794 /lf	14,249
	<i>Curbs- Concrete</i>							<u>122,554</u>
	1,326.00 Labor hours							
	323.00 Equipment hours							
<i>2530.000</i>	<i>Concrete Steps</i>							
10	Concrete Steps	65.00 lf	73.754 /lf	10.50 /lf	-	3.38 /lf	87.63 /lf	5,696
11	Railings at Concrete Steps	24.00 lf	40.00 /lf	45.00 /lf	-	-	85.00 /lf	2,040

Item	Description	Takeoff Qty					Total	Amount
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost		
	<i>Concrete Steps</i>						7,736	
	73.13 Labor hours							
	6.50 Equipment hours							
2580.100	<i>Pavement Marking</i>							
01	Traffic Markings	26.00 ea	-	-	10.00 /ea	-	260	
220	Parking Spaces	235.00 ea	-	-	10.00 /ea	-	2,350	
222	Parking Spaces Handicap	9.00 ea	-	-	50.00 /ea	-	450	
224	Painted Crosswalks	2,920.00 sf	-	-	2.00 /sf	-	5,840	
226	Painted Handicap Symbol	9.00 ea	-	-	65.00 /ea	-	585	
	<i>Pavement Marking</i>						9,485	
	<b>ASPHALT &amp; CONCRETE</b>						<b>773,266</b>	
	3,697.69 Labor hours							
	1,299.184 Equipment hours							
2600.000	<b>SITE UTILITIES</b>							
2603.100	<i>Sanitary Lines</i>							
15	Sanitary - 6" PVC >5' DP	250.00 lf	28.50 /lf	6.00 /lf	-	10.00 /lf	11,124	
75	Sanitary Manholes	1.00 ea	1,367.88 /ea	1,800.00 /ea	-	480.00 /ea	3,648	
78	Sanitary Clean Outs	1.00 ea	239.38 /ea	500.00 /ea	-	84.00 /ea	823	
80	Sanitary Tie-In to Existing	1.00 ea	1,999.97 /ea	1,500.00 /ea	-	499.05 /ea	3,999	
	<i>Sanitary Lines</i>						19,595	
	157.610 Labor hours							
	61.05 Equipment hours							
2604.100	<i>Water Lines</i>							
10	Water Lines - 6" Ductile Push-on <5' DP	300.00 lf	27.36 /lf	17.00 /lf	-	9.60 /lf	16,187	
100	Water Meter Pit	1.00 ea	4,007.56 /ea	25,000.00 /ea	-	1,000.00 /ea	30,008	
130	Water Tap-in to Existing Water Line	1.00 ea	1,603.02 /ea	2,500.00 /ea	-	400.00 /ea	4,503	
	<i>Water Lines</i>						50,698	
	204.00 Labor hours							
	76.00 Equipment hours							
2604.500	<i>Gas Lines</i>							
31	Gas Line Excavation and Backfill, Includes stone bedding	300.00 lf	13.36 /lf	6.50 /lf	-	10.00 /lf	8,958	
	<i>Gas Lines</i>						8,958	
	60.00 Labor hours							
	60.00 Equipment hours							
2605.100	<i>Storm Water Management System</i>							
1	Sub-Surface Perimeter Drain at Foundation Retaining Wall	450.00 lf	8.02 /lf	10.00 /lf	-	3.333 /lf	9,607	
5	Rain Water Conductors 10" PVC	1,000.00 lf	13.68 /lf	10.00 /lf	-	4.80 /lf	28,479	
6	Rain Water Conductors 10" PVC Cleanouts	6.00 ea	75.00 /ea	10.00 /ea	-	12.50 /ea	585	
35	Storm Drain Clean Out	3.00 ea	265.523 /ea	100.00 /ea	-	112.50 /ea	1,434	
40	Storm Manholes	10.00 ea	1,062.09 /ea	1,000.00 /ea	-	450.00 /ea	25,121	
72	Oil Interceptor Structure	1.00 ea	2,735.77 /ea	1,500.00 /ea	-	960.00 /ea	5,196	
112	CMP Storm Lines - 15" to 24"	800.00 lf	22.80 /lf	15.00 /lf	-	15.00 /lf	42,238	
560	Underground Storm Water Infiltration System by CUFT	20,000.00 cf	2.00 /cf	1.00 /cf	-	0.702 /cf	74,036	
	<i>Storm Water Management System</i>						186,695	
	1,320.51 Labor hours							
	616.69 Equipment hours							

Item	Description	Takeoff Qty					Total	Amount
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost		
<b>SITE UTILITIES</b>							<b>265,946</b>	
	1,742.12 Labor hours							
	813.733 Equipment hours							
<b>2830.000</b>	<b>FENCING</b>							
<i>2830.006</i>	<i>Chain Link Fence- 6'</i>							
	2 6' Chain Link Fence top of Retaining Walls	415.00 lf	-	-	45.00 /lf	-	18,675	
	2 6' Chain Link Fence Around Township Parking	674.00 lf	-	-	45.00 /lf	-	30,330	
	4 6' Fence Man Gate	2.00 ea	-	-	1,000.00 /ea	-	2,000	
	10 6' Fence Vehicle Gate 20' Opening	2.00 ea	-	-	2,800.00 /ea	-	5,600	
	<i>Chain Link Fence- 6'</i>						<u>56,605</u>	
	<b>FENCING</b>						<b>56,605</b>	
<b>2840.000</b>	<b>MISC SITE ITEMS</b>							
<i>2840.100</i>	<i>Guard Rails</i>							
	10 Steel / Wood Guard Rails	450.00 lf	-	-	25.00 /lf	-	11,250	
	<i>Guard Rails</i>						<u>11,250</u>	
<i>2840.210</i>	<i>Street Signs</i>							
	10 Standard Signs 18" x 24"	20.00 ea	-	-	85.00 /ea	-	1,700	
	<i>Street Signs</i>						<u>1,700</u>	
<i>2870.100</i>	<i>Site Furnishings</i>							
	10 Site Furniture Allowance	1.00 ls	-	-	20,000.00 /ls	-	20,000	
	20 Bench @ Outdoor Plaza	4.00 ea	176.36 /ea	650.00 /ea	-	-	826.36	
	<i>Site Furnishings</i>						<u>23,305</u>	
	12.00 Labor hours							
<i>2894.100</i>	<i>Site Landscaped Walls</i>							
	30 Concrete Retaining Wall Brick Faced w/ Footing	3,960.00 sf	-	-	50.00 /sf	-	198,000	
	<i>Site Landscaped Walls</i>						<u>198,000</u>	
<i>2896.100</i>	<i>Misc. Site Improvements</i>							
	10 Misc. Site Improvements	1.00 ls	-	-	25,000.00 /ls	-	25,000	
	15 Underground Tanks and Fuel Pumps (Allowance)	1.00 alw	-	-	50,000.00 /alw	-	50,000	
	30 Concrete Filled Pipe Bollards	10.00 ea	-	-	750.00 /ea	-	7,500	
	40 Dumpster Enclosure Walls	50.00 lf	94.06 /lf	150.00 /lf	-	-	244.06	
----	Off Site Improvement Allowance	1.00 al	-	-	75,000.00 /al	-	75,000	
----	Generator Enclosure	1.00 ea	-	-	18,000.00 /ea	-	18,000	
----	Memorial	1.00 al	-	-	35,000.00 /al	-	35,000	
	<i>Misc. Site Improvements</i>						<u>222,703</u>	
	80.00 Labor hours							
	<b>MISC SITE ITEMS</b>						<b>456,958</b>	
	92.00 Labor hours							
<b>2900.000</b>	<b>LANDSCAPING</b>							
<i>2900.100</i>	<i>Landscaping</i>							
	2 Landscaping Allowance	1.00 ls	-	-	100,000.00 /ls	-	100,000	
	<i>Landscaping</i>						<u>100,000</u>	
<i>2930.110</i>	<i>Lawns &amp; Grasses</i>							
	20 Sodding	6,870.00 sy	-	-	6.50 /sy	-	44,655	

Item	Description	Takeoff Qty	Labor	Material	Subcontract	Equipment	Total	Amount
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	
	Lawns & Grasses							44,655
	<b>LANDSCAPING</b>							<b>144,655</b>
	<b>Site Site Work</b>							<b>2,786,230</b>
	10,900.231 Labor hours							
	6,028.35 Equipment hours							

## Partial Totals

Description	Amount	Totals	Percent of Total
Labor	748,990		23.97%
Material	570,548		18.26%
Subcontract	1,073,170		34.34%
Equipment	393,522		12.59%
Other			
	<u>2,786,230</u>	<b>2,786,230</b>	
Escalation	46,875		1.500 %
Overhead and Profit	83,587		3.000 %
Contingency	145,835		5.000 %
Bond & Insurance on Total	62,501		2.000 %
<b>Partial Total</b>		<b>3,125,028</b>	

**Standard Estimate Report**  
*Haverford Township Bldg*

<b>Project name</b>	Haverford Township Bldg Haverford Township PA
<b>Estimator</b>	JML
<b>Labor rate table</b>	Deleware County
<b>Equipment rate table</b>	Equipment
<b>Duration</b>	
<b>Bid date</b>	12/1/2015
<b>Report format</b>	Sorted by 'N/R/Site/Group phase/Phase' 'Detail' summary



Item	Description	Takeoff Qty					Total	
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost	Unit Cost	Amount
<b>New Construction</b>								
<b>1000.000 GENERAL CONDITIONS</b>								
1025.000	General Conditions	15.00 mo	15,000.00 /mo	2,500.00 /mo	-	5,000.00 /mo	22,500.00 /mo	337,500
----	Submittal Exchange	1.00 ls	-	8,000.00 /ls	-	-	8,000.00 /ls	8,000
	General Conditions							345,500
								<b>345,500</b>
<b>3000.000 CONCRETE</b>								
3000.110	Conc Budget- Footings							
n	50 CY Continous Retaining Wall Footing	209.00 cy	343.381 /cy	140.00 /cy	-	32.00 /cy	515.381 /cy	107,715
n	50 CY Continous Footings	48.00 cy	343.381 /cy	140.00 /cy	-	32.00 /cy	515.381 /cy	24,738
	111 CY Column Footings	70.00 cy	384.97 /cy	180.00 /cy	-	32.00 /cy	596.97 /cy	41,788
	Conc Budget- Footings							174,240
	1,635.79 Labor hours							
	209.28 Equipment hours							
3000.120	Conc Budget- Column-Pier							
	100 CY Concrete Piers @ Retaining Wall	30.00 cy	1,227.650 /cy	250.00 /cy	-	36.00 /cy	1,513.65 /cy	45,410
	100 CY Concrete Piers @ Exterior Masonry Walls	4.50 cy	1,227.650 /cy	250.00 /cy	-	36.00 /cy	1,513.65 /cy	6,811
	Conc Budget- Column-Pier							52,221
	575.00 Labor hours							
3000.130	Conc Budget- Slabs							
	13 Frost Pads at Entry Ways in Front of Exterior Doors	460.00 sf	5.582 /sf	1.62 /sf	-	0.37 /sf	7.573 /sf	3,484
	110 SF Slab on Grade 5" thick with Stone Base	24,374.00 sf	4.85 /sf	2.154 /sf	-	0.63 /sf	7.63 /sf	185,945
	114 SF Slab on Metal Deck 5.5"	23,553.00 sf	3.62 /sf	1.36 /sf	-	0.54 /sf	5.52 /sf	129,963
	114 SF Slab on Acoustic Metal Deck	780.00 sf	3.62 /sf	1.36 /sf	-	0.54 /sf	5.52 /sf	4,304
	Conc Budget- Slabs							323,695
	2,884.213 Labor hours							
	272.45 Equipment hours							
3000.140	Conc Budget- Retain Walls							
n	110 SF Retaining Wall 16" Thick	4,690.00 sf	36.78 /sf	7.85 /sf	-	1.86 /sf	46.491 /sf	218,040
	Conc Budget- Retain Walls							218,040
	2,377.550 Labor hours							
	58.16 Equipment hours							
3000.145	Conc Budget- Pit-Trench							
n	110 EA Concrete Elevator Pit	1.00 ea	3,683.41 /ea	2,265.00 /ea	-	855.25 /ea	6,803.66 /ea	6,804
	Conc Budget- Pit-Trench							6,804
	50.48 Labor hours							
	17.105 Equipment hours							
3000.150	Conc Budget- Misc							
	110 SF Pan Landings	160.00 sf	8.00 /sf	1.563 /sf	-	-	9.562 /sf	1,530
	Conc Budget- Misc							1,530
	17.07 Labor hours							
3150.635	Rigid Insulation							
	6 Foundation Insulation 2.0"	7,578.00 sf	0.59 /sf	1.313 /sf	-	-	1.90 /sf	14,401

Item	Description	Takeoff Qty	Labor	Material	Subcontract	Equipment	Total	Amount
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	
	<i>Rigid Insulation</i>							14,401
	75.78 Labor hours							
3390.180	<i>Conc. Surface Treatment</i>							
	4 Seal Floors	4,193.00 sf	0.12 /sf	0.17 /sf	-	-	0.29 /sf	1,199
	<i>Conc. Surface Treatment</i>							1,199
	8.39 Labor hours							
	<b>CONCRETE</b>							<b>792,130</b>
	7,624.261 Labor hours							
	556.99 Equipment hours							
4000.000	<b>MASONRY</b>							
4000.210	<i>General Items</i>							
	105 CMU Partition Holding Cells (Full Grout & Reinforcement)	1,476.00 sf	14.50 /sf	6.88 /sf	-	0.86 /sf	22.24 /sf	32,819
	170 CMU Ground Face Veneer	5,500.00 sf	14.68 /sf	12.25 /sf	-	1.01 /sf	27.934 /sf	153,634
	<i>General Items</i>							186,454
	1,497.194 Labor hours							
	256.84 Equipment hours							
4210.110	<i>Brick- Standard</i>							
	5 Standard Brick	5,190.00 sf	23.714 /sf	7.88 /sf	-	0.992 /sf	32.581 /sf	169,098
	<i>Brick- Standard</i>							169,098
	2,129.231 Labor hours							
	194.63 Equipment hours							
4220.040	<i>Block- 4" CMU</i>							
	10 4" Block Backup Behind Stone	2,937.00 sf	7.731 /sf	4.15 /sf	-	0.53 /sf	12.41 /sf	36,439
	<i>Block- 4" CMU</i>							36,439
	332.86 Labor hours							
	58.74 Equipment hours							
4220.060	<i>Block- 6" CMU</i>							
	12 6" Block Partition	660.00 sf	7.561 /sf	6.55 /sf	-	0.61 /sf	14.721 /sf	9,716
	<i>Block- 6" CMU</i>							9,716
	73.154 Labor hours							
	15.22 Equipment hours							
4220.080	<i>Block- 8" CMU</i>							
	10 8" Block Backup	12,953.00 sf	8.00 /sf	7.45 /sf	-	0.65 /sf	16.10 /sf	208,501
	10 8" Block Backup @ Elevator	1,224.00 sf	8.00 /sf	7.45 /sf	-	0.65 /sf	16.10 /sf	19,702
	12 8" Block Partition	28,760.00 sf	8.28 /sf	7.45 /sf	-	0.67 /sf	16.40 /sf	471,630
	<i>Block- 8" CMU</i>							699,834
	6,081.91 Labor hours							
	1,073.28 Equipment hours							
4220.140	<i>Block- 16" CMU</i>							
	9 16" Block Foundation	1,050.00 sf	14.272 /sf	12.60 /sf	-	1.411 /sf	28.283 /sf	29,698
	<i>Block- 16" CMU</i>							29,698
	219.692 Labor hours							
	56.00 Equipment hours							
4400.980	<i>Stone</i>							
	111 Stone Facing	4,327.00 sf	-	-	36.00 /sf	-	36.00 /sf	155,772
	<i>Stone</i>							155,772
4410.500	<i>Cast Stone</i>							
	2 Cast Date Stone	1.00 ea	-	-	950.00 /ea	-	950.00 /ea	950
	15 Cast Stone Wall Cap	382.00 lf	57.981 /lf	46.00 /lf	-	-	103.981 /lf	39,721

Item	Description	Takeoff Qty					Total	Amount
			Labor	Material	Subcontract	Equipment		
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	
	Cast Stone							40,671
	324.70 Labor hours							
4410.520	Limestone at Wall							
	15 Limestone Sills	335.00 lf	16.50 /lf	38.55 /lf	-	1.13 /lf	56.18 /lf	18,820
	Limestone at Wall							18,820
	81.033 Labor hours							
	14.30 Equipment hours							
	<b>MASONRY</b>							<b>1,346,500</b>
	10,739.772 Labor hours							
	1,669.00 Equipment hours							
<b>5100.000</b>	<b>STRUCTURAL STEEL</b>							
5120.000	Structural Framing System							
	120 Canopy Roof Columns & Structure	1,746.00 sf	3.68 /sf	23.00 /sf	-	1.08 /sf	27.753 /sf	48,458
	Structural Framing System							48,458
	64.47 Labor hours							
	10.745 Equipment hours							
5120.005	Structural Steel W-Flange							
	10 Steel W-Flange @ Beams	84.00 ton	1,062.114 /ton	2,700.00 /ton	-	311.111 /ton	4,073.23 /ton	342,151
	20 Steel - Misc Framing (Bent Pates/Connections)	34.00 ton	1,365.58 /ton	2,800.00 /ton	-	400.00 /ton	4,565.58 /ton	155,230
	Structural Steel W-Flange							497,380
	1,362.29 Labor hours							
	227.05 Equipment hours							
5120.020	Structural Steel Tube							
	5 Steel Square Tube @ Columns	28.00 ton	1,194.88 /ton	3,600.00 /ton	-	350.00 /ton	5,144.88 /ton	144,057
	Structural Steel Tube							144,057
	336.00 Labor hours							
	56.00 Equipment hours							
5120.080	Struct Steel Connections							
	10 Nelson Shear Studs (Field Applied)	3,364.00 ea	1.24 /ea	1.55 /ea	-	0.15 /ea	2.94 /ea	9,890
	Struct Steel Connections							9,890
	48.23 Labor hours							
	42.05 Equipment hours							
5210.117	Joists DLH							
	6412 Joist Truss	8.00 ton	168.00 /ton	3,300.00 /ton	-	122.00 /ton	3,590.00 /ton	28,720
	Joists DLH							28,720
5310.110	Steel Roof Decking							
	120 Steel Roof Deck Type B Wide Rib - 1-1/2" 20 ga.	27,240.00 sf	1.351 /sf	2.20 /sf	-	0.22 /sf	3.771 /sf	102,719
	Steel Roof Decking							102,719
	527.91 Labor hours							
	34.26 Equipment hours							
5310.120	Steel Floor Decking							
	620 Composite Steel Floor Deck Lok-Floor 3" 20 ga.	23,553.00 sf	1.38 /sf	2.10 /sf	-	0.15 /sf	3.62 /sf	85,209
	Steel Floor Acoustic Deck Ove Cells	780.00 sf	1.38 /sf	6.85 /sf	-	0.15 /sf	8.37 /sf	6,527
	Steel Floor Decking							91,737
	405.55 Labor hours							
	20.28 Equipment hours							

Item	Description	Takeoff Qty					Total	
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Amount
<b>STRUCTURAL STEEL</b>								<b>922,960</b>
	2,744.44 Labor hours							
	390.38 Equipment hours							
<b>5500.000</b>	<b>MISCELLANEOUS METALS</b>							
<i>5510.100</i>	<i>Stairs &amp; Ladders</i>							
08	Metal Stairs Concrete Pans with Railings	1.00 set	3,784.00 /set	24,000.00 /set	-	400.00 /set	28,184.00 /set	28,184
101	Steel Roof Ladder	1.00 ea	475.64 /ea	1.00 /ea	-	-	476.64 /ea	477
102	Elevator Pit Ladder	1.00 ea	432.40 /ea	600.00 /ea	-	-	1,032.40 /ea	1,032
	<i>Stairs &amp; Ladders</i>							<u>29,693</u>
	54.26 Labor hours							
<i>5520.100</i>	<i>Handrails- Steel</i>							
20	Steel Pipe Rail 2 Line	48.00 lf	25.944 /lf	35.00 /lf	-	2.00 /lf	62.944 /lf	3,021
	<i>Handrails- Steel</i>							<u>3,021</u>
	14.40 Labor hours							
<i>5520.500</i>	<i>Handrails- Metal/Glass</i>							
10	Metal & Glass Rail System @ Stair	34.00 lf	172.96 /lf	175.00 /lf	-	-	347.96 /lf	11,831
	<i>Handrails- Metal/Glass</i>							<u>11,831</u>
	68.00 Labor hours							
<i>5590.100</i>	<i>Misc Metals</i>							
13	Elevator Hoist Beams 10' Long	1.00 ea	345.92 /ea	500.00 /ea	-	-	845.92 /ea	846
16	Elevator Sill Angle	2.00 ea	172.96 /ea	100.00 /ea	-	-	272.96 /ea	546
150	Folding Partition Support Steel	80.00 lf	43.24 /lf	22.50 /lf	-	-	65.74 /lf	5,259
166	Ceiling Mounted Projector Support Framing @ Commissioners Room	1.00 ea	-	-	2,500.00 /ea	-	2,500.00 /ea	2,500
900	Misc Metals - not identified above	1.00 ls	-	-	12,000.00 /ls	-	12,000.00 /ls	12,000
	<i>Misc Metals</i>							<u>21,151</u>
	48.00 Labor hours							
<b>MISCELLANEOUS METALS</b>								<b>65,696</b>
	184.66 Labor hours							
<b>6000.000</b>	<b>ROUGH CARPENTRY</b>							
<i>6002.100</i>	<i>Blocking</i>							
10	Misc. Interior Blocking	1.00 ls			10,000.00 /ls	-	10,000.00 /ls	10,000
20	Misc. Roof Blocking	1.00 ls			6,500.00 /ls	-	6,500.00 /ls	6,500
	<i>Blocking</i>							<u>16,500</u>
<i>6126.200</i>	<i>Decks &amp; Railings</i>							
12	Daes	390.00 sf	-	0.00	20.00 /sf	-	20.00 /sf	7,800
	<i>Decks &amp; Railings</i>							<u>7,800</u>
<b>ROUGH CARPENTRY</b>								<b>24,300</b>
<b>6200.000</b>	<b>FINISH CARPENTRY</b>							
<i>6220.120</i>	<i>Base Molding</i>							
34	Interior Wood Base	326.00 lf	2.39 /lf	3.65 /lf	-	-	6.04 /lf	1,968
	<i>Base Molding</i>							<u>1,968</u>
	10.87 Labor hours							
<i>6220.150</i>	<i>Rails</i>							
12	Closet Poles 1 1/4" *	7.00 lf	1.56 /lf	1.85 /lf	-	-	3.41 /lf	24

Item	Description	Takeoff Qty					Total	
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost	Unit Cost	Amount
	<i>Rails</i>							24
	0.152 Labor hours							
6220.200	<i>Shelving</i>							
	24 Shelving	124.00 lf	2.39 /lf	15.50 /lf	-	-	17.89 /lf	2,218
	<i>Shelving</i>							2,218
	4.133 Labor hours							
6220.470	<i>Solid Surface</i>							
	60 Solid Surface Window Stool *	315.00 lf	12.55 /lf	35.00 /lf	-	-	47.55 /lf	14,978
	80 Solid Surface Countertops *	80.50 sf	8.95 /sf	80.00 /sf	-	-	88.95 /sf	7,160
	<i>Solid Surface</i>							22,139
	65.28 Labor hours							
6220.600	<i>Wood Paneling</i>							
	30 Wood Wall Panels	165.00 sf	4.773 /sf	18.50 /sf	-	-	23.273 /sf	3,840
	<i>Wood Paneling</i>							3,840
	11.00 Labor hours							
6410.100	<i>Custom Cabinets</i>							
	50 Custom Reception Desk	1.00 al	0.00	0.00	100.00 /al	-	100.00 /al	100
	<i>Custom Cabinets</i>							100
	1.00 Labor hours							
	<b>FINISH CARPENTRY</b>							<b>30,289</b>
	92.43 Labor hours							
<b>7000.000</b>	<b>THERMAL &amp; MOIST PROTECT</b>							
7100.100	<i>Waterproofing</i>							
	05 Waterproofing Single Elev Pit	1.00 ea	-	-	2,500.00 /ea	-	2,500.00 /ea	2,500
	20 Neoprene Sheets	5,200.00 sf	1.95 /sf	2.10 /sf	-	-	4.05 /sf	21,061
	200 Protection Board for Waterproofing	5,200.00 sf	0.52 /sf	1.95 /sf	-	-	2.47 /sf	12,844
	205 Drainage Board for Waterproofing	5,200.00 sf	0.52 /sf	1.55 /sf	-	-	2.07 /sf	10,764
	<i>Waterproofing</i>							47,169
	199.333 Labor hours							
7195.100	<i>Air Barriers</i>							
	30 Vapor Permeable Air Barrier - Perm-A-Barrier Sheet	12,950.00 sf	2.23 /sf	2.14 /sf	-	-	4.37 /sf	56,576
	<i>Air Barriers</i>							56,576
	370.00 Labor hours							
7210.800	<i>Insulation- Sprayed On</i>							
	40 Spray Applied Insulation (closed cell foam) 2"	12,950.00 sf	1.68 /sf	3.55 /sf	-	-	5.23 /sf	67,728
	<i>Insulation- Sprayed On</i>							67,728
	278.90 Labor hours							
7220.100	<i>Insulation- Roof Deck</i>							
	300 Roof Deck Insulation 4.00"	27,240.00 sf	0.86 /sf	1.89 /sf	-	0.09 /sf	2.84 /sf	77,362
	500 Roof Deck Insulation Tapered	1,070.00 sf	0.624 /sf	1.61 /sf	-	-	2.23 /sf	2,385
	<i>Insulation- Roof Deck</i>							79,747
	308.871 Labor hours							
7315.100	<i>Green Roof</i>							
	10 Green Roof Premium	5,290.00 sf	-	-	20.00 /sf	-	20.00 /sf	105,800
	<i>Green Roof</i>							105,800
7530.100	<i>Roofing- Membrane</i>							
	204 TPO Membrane Roofing - Fully Adhered .060	21,950.00 sf	2.95 /sf	4.25 /sf	-	0.143 /sf	7.343 /sf	161,175
	502 Membrane Roofing @ Green Roofs	5,290.00 sf	2.59 /sf	6.00 /sf	-	0.234 /sf	8.824 /sf	46,678

Item	Description	Takeoff Qty	Labor	Material	Subcontract	Equipment	Total	Amount
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	
	<i>Roofing- Membrane</i>							207,853
	1,200.624 Labor hours							
	103.473 Equipment hours							
7610.100	<i>Rooftop Mechanical Screening</i>							
2	Roof Top Mechanical Screening	2,400.00 sf	13.55 /sf	10.50 /sf	-	0.42 /sf	24.47 /sf	58,718
	<i>Rooftop Mechanical Screening</i>							58,718
	441.87 Labor hours							
	7.68 Equipment hours							
7620.100	<i>Flashing- Aluminum</i>							
19	Aluminum Coping	685.00 lf	12.00 /lf	12.00 /lf	-	-	24.00 /lf	16,440
30	Aluminum Fascia .050	1,453.00 sf	4.773 /sf	8.52 /sf	-	-	13.293 /sf	19,315
	<i>Flashing- Aluminum</i>							35,755
	224.74 Labor hours							
7630.120	<i>Soffit</i>							
15	Aluminum Metal Panel Soffit	1,756.00 sf	13.121 /sf	8.56 /sf	-	-	21.681 /sf	38,072
----	Canopy Soffit	1,746.00 sf	-	-	30.00 /sf	-	30.00 /sf	52,380
	<i>Soffit</i>							90,452
	292.67 Labor hours							
7720.100	<i>Roof Accessories</i>							
11	Roof Hatch	1.00 ea	286.40 /ea	900.00 /ea	-	-	1,186.40 /ea	1,186
50	Walkway Pads	768.00 sf	2.30 /sf	2.75 /sf	-	-	5.05 /sf	3,878
50	Concrete Roof Patio	3,160.00 sf	3.35 /sf	1.75 /sf	-	0.14 /sf	5.24 /sf	16,558
	<i>Roof Accessories</i>							21,623
	4.00 Labor hours							
	<b>THERMAL &amp; MOIST PROTECT</b>							<b>771,421</b>
	3,321.00 Labor hours							
	111.153 Equipment hours							
<b>8100.000</b>	<b>DOORS AND FRAMES</b>							
8100.200	<i>Doors- Hol Metal Frames</i>							
05	Grout HM Frames	84.00 ea	64.284 /ea	20.00 /ea	-	-	84.284 /ea	7,080
10	HM Single Frames	79.00 ea	85.712 /ea	170.00 /ea	-	-	255.712 /ea	20,201
20	HM Double Frames	5.00 ea	128.57 /ea	190.00 /ea	-	-	318.57 /ea	1,593
	<i>Doors- Hol Metal Frames</i>							28,874
	199.333 Labor hours							
8100.300	<i>Doors- Hol Metal</i>							
10	HM Doors	16.00 leaf	96.43 /leaf	300.00 /leaf	-	-	396.43 /leaf	6,343
	<i>Doors- Hol Metal</i>							6,343
	24.00 Labor hours							
8120.100	<i>Doors - Alum. and Glass</i>							
10	Aluminum Door & Frame & Hardware - by leaf	30.00 leaf	514.272 /leaf	2,000.00 /leaf	-	-	2,514.272 /leaf	75,428
----	Aluminum Single Door Frames	39.00 ea	142.550 /ea	800.00 /ea	-	-	942.55 /ea	36,759
	<i>Doors - Alum. and Glass</i>							112,188
	240.00 Labor hours							
8200.100	<i>Doors - Wood</i>							
104	Wood Door Leafs - Oak	112.00 ea	96.43 /ea	290.00 /ea	-	-	386.43 /ea	43,280
	<i>Doors - Wood</i>							43,280
	168.000 Labor hours							
8360.100	<i>Doors- Overhead</i>							
10	Overhead Sectional Doors 10x12	1.00 ea	-	-	5,000.00 /ea	-	5,000.00 /ea	5,000
10	Overhead Sectional Door 20x12	1.00 ea	-	-	10,000.00 /ea	-	10,000.00 /ea	10,000

Item	Description	Takeoff Qty					Total	Amount
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost		
8360.100	Doors- Overhead 10 Overhead Sectional Doors 12x12 Doors- Overhead	1.00 ea	-	-	6,200.00 /ea	-	6,200.00 /ea	6,200
								21,200
	<b>DOORS AND FRAMES</b>							<b>211,884</b>
	631.333 Labor hours							
<b>8500.000</b>	<b>WINDOWS</b>							
8520.100	Windows- Aluminum 300 Aluminum Windows Slider (HDC) Windows- Aluminum	50.00 sf	14.32 /sf	45.00 /sf	-	-	59.32 /sf	2,966
	10.00 Labor hours							2,966
8650.100	Windows - Special 10 Bulletproof Pass Through Window Windows - Special	1.00 ea	-	-	3,800.00 /ea	-	3,800.00 /ea	3,800
								3,800
	<b>WINDOWS</b>							<b>6,766</b>
	10.00 Labor hours							
<b>8710.000</b>	<b>FINISH HARDWARE</b>							
8710.090	Finish Hardware 5 Finish Hardware Finish Hardware	102.00 ea	190.77 /ea	650.00 /ea	-	-	840.77 /ea	85,759
	309.091 Labor hours							85,759
	<b>FINISH HARDWARE</b>							<b>85,759</b>
	309.091 Labor hours							
<b>8800.000</b>	<b>ALUMINUM, GLASS &amp; GLAZING</b>							
8810.100	Glazing- Glass 500 One Way Glass Glazing- Glass	24.00 sf	9.053 /sf	32.00 /sf	-	-	41.053 /sf	985
	2.40 Labor hours							985
8920.010	Aluminum Glass & Glazing 1000 Glazed Curtain Wall System 1200 Glazed Storefront System Exterior 1200 Glazed Storefront System Interior 4000 Ornamental Sun Shade	2,226.00 sf 1,639.00 sf 929.00 sf 100.00 lf	30.18 /sf 16.00 /sf 16.00 /sf -	50.00 /sf 42.00 /sf 38.00 /sf -	- 0.00 -	- - -	80.18 /sf 58.00 /sf 54.00 /sf 225.00 /lf	178,476 95,062 50,166 22,500
	Aluminum Glass & Glazing 742.00 Labor hours							346,204
8925.010	Mirrors 1011 Unframed Mirrors @ Work Out Room Mirrors	240.00 sf	-	-	18.50 /sf	-	18.50 /sf	4,440
								4,440
	<b>ALUMINUM, GLASS &amp; GLAZING</b>							<b>351,630</b>
	744.40 Labor hours							
<b>9100.000</b>	<b>DRYWALL</b>							
9100.040	Drywall Budget Pricing 10 LF of 4" Drywall Partition 14' High 10 LF of Drywall Partition 16'	1,281.00 lf 120.00 lf	105.00 /lf 150.00 /lf	40.83 /lf 65.45 /lf	- -	- -	145.830 /lf 215.45 /lf	186,808 25,853

Item	Description	Takeoff Qty					Total	
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Amount
9100.040	<i>Drywall Budget Pricing</i>							
10	LF of 6" Drywall Partition 16' High	511.00 lf	122.01 /lf	54.25 /lf	-	-	176.26 /lf	90,067
10	LF of 4" Drywall Partition 14' High (1 side DW)	673.00 lf	105.00 /lf	40.83 /lf	-	-	145.830 /lf	98,143
25	SF of Drywall & Metal Framing @ Exterior Walls	17,690.00 sf	6.45 /sf	2.85 /sf	-	-	9.30 /sf	164,517
26	SF of Suspended Drywall Ceiling	4,042.00 sf	8.93 /sf	5.00 /sf	-	-	13.93 /sf	56,299
40	SF of Bulkhead	3,988.00 sf	8.902 /sf	3.00 /sf	-	-	11.902 /sf	47,465
115	Column Enclosure	1,460.00 sf	-	-	30.00 /sf	-	30.00 /sf	43,800
	<i>Drywall Budget Pricing</i>							
	6,339.061 Labor hours							712,952
	<b>DRYWALL</b>							<b>712,952</b>
	6,339.061 Labor hours							
9300.000	<b>CERAMIC &amp; GLAZED TILE</b>							
9310.200	<i>Tile- Porcelain</i>							
10	Porcelain Tile Floor - Thin Set *	2,583.00 sf	8.12 /sf	6.98 /sf	-	-	15.10 /sf	39,004
10	Porcelain Tile Floor - Thin Set @ Stair Landing	160.00 sf	8.12 /sf	6.98 /sf	-	-	15.10 /sf	2,416
30	Porcelain Tile Cove Base	1,186.00 lf	7.82 /lf	5.51 /lf	-	-	13.33 /lf	15,809
50	Porcelain Tile Walls *	5,219.00 sf	8.05 /sf	6.98 /sf	-	-	15.03 /sf	78,442
	<i>Tile- Porcelain</i>							
	1,030.223 Labor hours							135,671
9312.100	<i>Thresholds</i>							
50	Marble Thresholds	10.00 ea	-	-	40.00 /ea	-	40.00 /ea	400
	<i>Thresholds</i>							400
	<b>CERAMIC &amp; GLAZED TILE</b>							<b>136,071</b>
	1,030.223 Labor hours							
9500.000	<b>ACOUSTICAL &amp; CEILINGS</b>							
9510.400	<i>Ceilings- Panels 2x4</i>							
20	Ceiling Textured Tile	25,442.00 sf	1.60 /sf	2.25 /sf	-	-	3.85 /sf	97,952
50	Ceiling Moisture Resistant Tile	1,925.00 sf	1.86 /sf	4.00 /sf	-	-	5.86 /sf	11,270
	<i>Ceilings- Panels 2x4</i>							109,222
	595.24 Labor hours							
9510.800	<i>Ceilings- Linear Metal</i>							
10	Linear Metal Ceiling	2,754.00 sf	9.23 /sf	12.55 /sf	-	-	21.78 /sf	59,982
	<i>Ceilings- Linear Metal</i>							59,982
	342.66 Labor hours							
9510.900	<i>Ceilings- Linear Wood</i>							
10	Wood Ceilings	244.00 sf	9.65 /sf	20.35 /sf	-	-	30.00 /sf	7,320
	<i>Ceilings- Linear Wood</i>							7,320
	31.74 Labor hours							
	<b>ACOUSTICAL &amp; CEILINGS</b>							<b>176,524</b>
	969.633 Labor hours							
9560.000	<b>FLOORING</b>							
9650.100	<i>Flooring- Resilient</i>							
10	Standard VCT Tile	11,700.00 sf	1.75 /sf	1.85 /sf	-	-	3.60 /sf	42,120
40	Rubber Tile Athletic Floor (Mondo)	874.00 sf	5.673 /sf	5.513 /sf	-	-	11.19 /sf	9,776



Item	Description	Takeoff Qty					Total	
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost	Unit Cost	Amount
	<i>Flooring- Resilient</i>							51,896
	376.164 Labor hours							
9678.110	<i>Flooring- Base</i>							
	40 Vinyl Cove Base 4"	7,547.00 lf	1.68 /lf	0.87 /lf	-	-	2.55 /lf	19,216
	<i>Flooring- Base</i>							19,216
	193.513 Labor hours							
9690.110	<i>Carpet Tile</i>							
	11 Carpet Tile Type 1	1,130.00 sy	9.32 /sy	38.00 /sy	-	-	47.32 /sy	53,471
	11 Carpet Tile Type 2	610.00 sy	9.32 /sy	38.00 /sy	-	-	47.32 /sy	28,865
----	High Wear Carpet Tile at Entrances	421.00 sf	9.32 /sf	42.00 /sf	-	-	51.32 /sf	21,606
	<i>Carpet Tile</i>							103,942
	207.89 Labor hours							
9750.100	<i>Terrazzo</i>							
	30 Epoxy Terrazzo	3,120.00 sf	16.67 /sf	5.00 /sf	-	2.083 /sf	23.751 /sf	74,103
	70 Precast Terrazzo Cove Base	261.00 lf	17.12 /lf	12.19 /lf	-	-	29.31 /lf	7,649
	90 Precast Terrazzo Tread	224.00 lf	20.90 /lf	32.00 /lf	-	-	52.90 /lf	11,850
----	Terrazzo Township Seal Inlaid in Floor	1.00 ea	-	-	4,000.00 /ea	-	4,000.00 /ea	4,000
	<i>Terrazzo</i>							97,602
	974.543 Labor hours							
	832.00 Equipment hours							
	<b>FLOORING</b>							<b>272,656</b>
	1,752.105 Labor hours							
	832.00 Equipment hours							
9800.000	<b>PAINTING</b>							
9920.100	<i>Painting- Interior</i>							
	10 Paint Walls *	84,453.00 sf	0.692 /sf	0.13 /sf	-	0.031 /sf	0.85 /sf	71,603
	20 Paint Ceilings/Bulkhead	5,050.00 sf	0.82 /sf	0.13 /sf	-	0.04 /sf	0.98 /sf	4,945
	30 Paint Int. Met. Stairs	2.00 fl	850.00 /fl	85.00 /fl	0.00	-	935.00 /fl	1,870
	50 Paint Interior Door Frames	84.00 ea	22.492 /ea	2.70 /ea	-	-	25.192 /ea	2,116
	110 Paint Exposed Structural	1,617.00 sf	0.45 /sf	0.75 /sf	-	-	1.20 /sf	1,940
	<i>Painting- Interior</i>							82,475
	1,146.48 Labor hours							
	1,112.88 Equipment hours							
	<b>PAINTING</b>							<b>82,475</b>
	1,146.48 Labor hours							
	1,112.88 Equipment hours							
10000.000	<b>SPECIALTIES</b>							
10100.110	<i>Visual Display Boards</i>							
	10 Markerboards Allowance	520.00 sf	3.42 /sf	8.50 /sf	-	-	11.92 /sf	6,198
	30 Tack Boards Allowance	350.00 sf	3.42 /sf	7.00 /sf	-	-	10.42 /sf	3,647
	<i>Visual Display Boards</i>							9,845
	43.50 Labor hours							
10160.110	<i>Toilet Partition - Floor</i>							
	45 Toilet Partition - Solid Polymer Floor Mounted Overhead Braced	3.00 ea	428.56 /ea	800.00 /ea	-	-	1,228.56 /ea	3,686
	47 HC Toilet Partition - Solid Polymer Floor Mounted Overhead Braced	4.00 ea	428.56 /ea	900.00 /ea	-	-	1,328.56 /ea	5,314

Item	Description	Takeoff Qty					Total	Amount
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost		
	<i>Toilet Partition - Floor</i>							9,000
	46.67 Labor hours							
10166.102	<i>Urinal Screens Wall set</i>							
	50 Urinal Screen - Solid Plastic - Wall Hung	2.00 ea	193.05 /ea	275.00 /ea	-	-	468.05 /ea	936
	<i>Urinal Screens Wall set</i>							936
	6.01 Labor hours							
10210.100	<i>Louvers Metal</i>							
	60 Alum Louvers Stationary	48.00 sf	14.32 /sf	32.00 /sf	-	-	46.32 /sf	2,223
	<i>Louvers Metal</i>							2,223
	9.60 Labor hours							
10222.100	<i>Operable Partitions</i>							
	10 Folding Partition	978.00 sf	13.43 /sf	40.25 /sf	-	-	53.68 /sf	52,499
	<i>Operable Partitions</i>							52,499
	183.443 Labor hours							
10430.100	<i>Signs &amp; Letters</i>							
	35 Signs - Interior Signage for Rooms	134.00 ea	35.80 /ea	45.00 /ea	-	-	80.80 /ea	10,827
	72 Exterior Building Letters 12" Aluminum	17.00 ea	42.86 /ea	140.00 /ea	-	-	182.86 /ea	3,109
	72 Interior Building Letters 12" Aluminum-Room 201	17.00 ea	42.86 /ea	140.00 /ea	-	-	182.86 /ea	3,109
	78 Exterior Building Letters 24" Aluminum @ Entrance	17.00 ea	42.86 /ea	162.00 /ea	-	-	204.86 /ea	3,483
	<i>Signs &amp; Letters</i>							20,527
	101.00 Labor hours							
10505.100	<i>Lockers</i>							
	8 Lockers 12"x24"x72"	6.00 ea	47.733 /ea	190.00 /ea	-	-	237.733 /ea	1,426
	15 Lockers (Heavy Duty) 24"x24"x72"	64.00 ea	47.733 /ea	245.00 /ea	-	-	292.733 /ea	18,735
	16 Lockers 24"x16"x72"	10.00 ea	47.733 /ea	210.00 /ea	-	-	257.733 /ea	2,577
	31 Locker Room Benches	34.00 lf	14.32 /lf	25.00 /lf	-	-	39.32 /lf	1,337
	<i>Lockers</i>							24,076
	60.133 Labor hours							
10522.100	<i>Fire Cabinets</i>							
	35 Fire Extin. Cabinet Semi-Recessed	16.00 ea	85.712 /ea	200.00 /ea	-	-	285.712 /ea	4,571
	<i>Fire Cabinets</i>							4,571
	21.333 Labor hours							
10529.200	<i>Fire Control/Supression</i>							
	12 Fire Extinguisher CO2 10 lbs	16.00 ea	32.142 /ea	65.00 /ea	-	-	97.142 /ea	1,554
	<i>Fire Control/Supression</i>							1,554
	8.00 Labor hours							
10557.100	<i>Postal Equip</i>							
	10 Mailboxes	40.00 ea	13.39 /ea	35.00 /ea	-	-	48.39 /ea	1,936
	<i>Postal Equip</i>							1,936
	8.00 Labor hours							
10810.200	<i>Toilet Access by each</i>							
	20 Shower Curtain Rods	2.00 ea	32.14 /ea	20.00 /ea	-	-	52.14 /ea	104
	22 Shower Curtain	2.00 ea	25.72 /ea	25.00 /ea	-	-	50.72 /ea	101
	30 Soap Dispensers	16.00 ea	32.142 /ea	35.00 /ea	-	-	67.142 /ea	1,074
	35 Hand Dryer	2.00 ea	57.86 /ea	250.00 /ea	-	-	307.86 /ea	616
	47 Paper Towel Waste Disposal - semi-recessed	16.00 ea	48.213 /ea	200.00 /ea	-	-	248.213 /ea	3,971
	70 Toilet Tissue Dispenser Double	13.00 ea	25.714 /ea	30.00 /ea	-	-	55.714 /ea	724
	80 Sanitary Napkin Dispenser	5.00 ea	32.142 /ea	500.00 /ea	-	-	532.142 /ea	2,661
	100 Janitor Util Hook Strip & Shelf	2.00 ea	19.66 /ea	250.00 /ea	0.00	-	269.66 /ea	539
	112 Robe Hook	20.00 ea	19.66 /ea	90.00 /ea	0.00	-	109.66 /ea	2,193
	160 Under Lavatory Guard	18.00 ea	20.984 /ea	50.00 /ea	-	-	70.984 /ea	1,278
	184 Toilet Grab Bars - 18"	10.00 ea	21.502 /ea	40.00 /ea	-	-	61.502 /ea	615

Item	Description	Takeoff Qty					Total	Amount
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost		
10810.200	<i>Toilet Access by each</i>							
185	Toilet Grab Bars - 36"	10.00 ea	21.50 /ea	50.00 /ea	-	-	71.50 /ea	715
186	Toilet Grab Bars - 42"	10.00 ea	21.50 /ea	55.00 /ea	-	-	76.50 /ea	765
195	Baby Changing Station	2.00 ea	95.47 /ea	280.00 /ea	-	-	375.47 /ea	751
200	Folded Shower Seat	2.00 ea	96.43 /ea	225.00 /ea	-	-	321.43 /ea	643
	<i>Toilet Access by each</i>							16,751
	59.992 Labor hours							
10810.600	<i>Grab Bars</i>							
40	Grab Bars - Handicap Shower	2.00 ea	21.50 /ea	50.00 /ea	-	-	71.50 /ea	143
	<i>Grab Bars</i>							143
	0.67 Labor hours							
10810.700	<i>Mirrors</i>							
20	Framed Mirrors 18" x 36"	4.00 ea	26.78 /ea	120.00 /ea	-	-	146.78 /ea	587
30	Tilt Mirror 16" x 30"	10.00 ea	35.703 /ea	170.00 /ea	-	-	205.703 /ea	2,057
	<i>Mirrors</i>							2,644
	6.933 Labor hours							
	<b>SPECIALTIES</b>							146,705
	555.28 Labor hours							
11000.000	<b>EQUIPMENT</b>							
11800.100	<i>Detention Equipment</i>							
-sub	Misc. Detention Equipment	1.00 ls	-	-	15,000.00 /ls	-	15,000.00 /ls	15,000
----	Cell Door	6.00 ea	-	-	8,000.00 /ea	-	8,000.00 /ea	48,000
----	Fire Arms Locker	3.00 ea	130.00 /ea	650.00 /ea	-	-	780.00 /ea	2,340
	<i>Detention Equipment</i>							65,340
	<b>EQUIPMENT</b>							65,340
12000.000	<b>FURNISHINGS</b>							
12301.100	<i>Casework- P Lam</i>							
5	Base Mounted Cabinets 24" Deep	98.50 lf	89.50 /lf	200.00 /lf	-	-	289.50 /lf	28,516
7	Tall Cabinets	8.50 lf	95.47 /lf	260.00 /lf	-	-	355.47 /lf	3,021
10	Wall Mounted Cabinets	7.50 lf	71.60 /lf	100.00 /lf	-	-	171.60 /lf	1,287
100	Plastic Laminate Counter Tops	269.50 lf	35.80 /lf	40.00 /lf	-	-	75.80 /lf	20,428
	<i>Casework- P Lam</i>							53,252
	276.71 Labor hours							
12380.120	<i>Casework- Display</i>							
30	Kiosk	1.00 ea	859.23 /ea	2,600.00 /ea	-	-	3,459.23 /ea	3,459
30	Display Cases Illuminated	1.00 ea	859.23 /ea	2,800.00 /ea	-	-	3,659.23 /ea	3,659
	<i>Casework- Display</i>							7,118
	24.001 Labor hours							
12515.100	<i>Blinds</i>							
10	Window Blinds	1,417.00 sf	0.00	0.00	7.00 /sf	-	7.00 /sf	9,919
30	Motorized Blinds - Commissioners Baord Room	426.00 sf	2.25 /sf	17.50 /sf	-	-	19.75 /sf	8,413
	<i>Blinds</i>							18,332
	12.29 Labor hours							
	<b>FURNISHINGS</b>							78,703
	313.00 Labor hours							
13000.000	<b>SPECIAL CONSTRUCTION</b>							

Item	Description	Takeoff Qty					Total	
			Labor Unit Cost	Material Unit Cost	Subcontract Unit Cost	Equipment Unit Cost	Unit Cost	Amount
13122.100	<i>Metal Buildings</i>							
10	Pole Building for Police Storage <i>Metal Buildings</i>	1.00 al	-	-	10,000.00 /al	-	10,000.00 /al	10,000 10,000
<b>SPECIAL CONSTRUCTION</b>								<b>10,000</b>
<b>14000.000</b>	<b>CONVEYING SYSTEMS</b>							
14240.100	<i>Elevator Hydraulic</i>							
220	Passenger Elevator Hydraulic - 2 Stop 2500 lb <i>Elevator Hydraulic</i>	1.00 ea	-	-	85,000.00 /ea	-	85,000.00 /ea	85,000 85,000
<b>CONVEYING SYSTEMS</b>								<b>85,000</b>
<b>15300.000</b>	<b>SPRINKLER SYSTEMS</b>							
15300.120	<i>Sprinkler</i>							
05	Sprinkler Systems <i>Sprinkler</i>	44,187.00 sf	-	-	6.42 /sf	-	6.42 /sf	283,681 283,681
<b>SPRINKLER SYSTEMS</b>								<b>283,681</b>
<b>15400.000</b>	<b>PLUMBING SYSTEMS</b>							
15400.430	<i>Plumbing</i>							
05	Plumbing System <i>Plumbing</i>	44,187.00 sf	-	-	11.911 /sf	-	11.911 /sf	526,311 526,311
<b>PLUMBING SYSTEMS</b>								<b>526,311</b>
<b>15500.000</b>	<b>HVAC SYSTEMS</b>							
15510.000	<i>HVAC</i>							
10	HVAC Systems <i>HVAC</i>	44,187.00 sf	-	-	28.97 /sf	-	28.97 /sf	1,280,097 1,280,097
<b>HVAC SYSTEMS</b>								<b>1,280,097</b>
<b>16000.000</b>	<b>ELECTRICAL</b>							
16010.000	<i>Electrical</i>							
05	Electrical Systems	44,187.00 sf	-	-	28.25 /sf	-	28.25 /sf	1,248,283
----	Site Electric <i>Electrical</i>	1.00 al	-	-	80,000.00 /al	-	80,000.00 /al	80,000 1,328,283
16200.000	<i>Security</i>							
10	CCTV System <i>Security</i>	1.00 al	-	-	75,000.00 /al	-	75,000.00 /al	75,000 75,000
<b>ELECTRICAL</b>								<b>1,403,283</b>

**Standard Estimate Report**  
*Haverford Township Bldg*

Item	Description	Takeoff Qty	Labor	Material	Subcontract	Equipment	Total	Amount
			Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	
<b>New New Construction</b>								<b>10,214,634</b>
	38,507.15 Labor hours							
	4,672.39 Equipment hours							

Partial Totals

Description	Amount	Totals	Percent of Total
Labor	2,985,855		26.06%
Material	2,861,578		24.98%
Subcontract	4,117,733		35.94%
Equipment	249,468		2.18%
Other			
	<b>10,214,634</b>	<b>10,214,634</b>	
Escalation	171,851		1.500 %
Overhead and Profit	306,439		3.000 %
Contingency	534,646		5.000 %
Bond & Insurance on Total	229,134		2.000 %
<b>Partial Total</b>		<b>11,456,704</b>	

Description	Days Plan	Days Left	Start	Finish	2015		2016											
					Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
<b>Haverford Township Police / Administration Building</b>	<b>468</b>	<b>461</b>	<b>Nov-13-15 A</b>	<b>Sep-20-17</b>														
<b>Design</b>	<b>99</b>	<b>92</b>	<b>Nov-13-15 A</b>	<b>Apr-06-16</b>														
<b>Design Development</b>	<b>22</b>	<b>15</b>	<b>Nov-13-15 A</b>	<b>Dec-17-15</b>														
dd.5 D D Estimate	10	3	Nov-13-15 A	Dec-01-15														
dd.4 Preliminary Site Utilization and Phasing Plan	10	3	Nov-13-15 A	Dec-01-15														
dd.6 Value Engineering	10	3	Nov-13-15 A	Dec-01-15														
dd.7 Steering Committee Meeting: Present DD Estimate, and V E	1	1	Dec-01-15	Dec-01-15														
dd.8 Commissioners Meeting: Present DD Estimate, and V E	1	1	Dec-17-15*	Dec-17-15														
<b>Construction Documents</b>	<b>89</b>	<b>89</b>	<b>Dec-02-15</b>	<b>Apr-06-16</b>														
cd.1 C D Drawings for Review (30%)	19	19	Dec-02-15	Dec-29-15														
cd.2 Request Service Availability Letters	1	1	Dec-30-15	Dec-30-15														
cd.4 Owner and CM Review of 30% Drawings	10	10	Dec-30-15	Jan-13-16														
cd.5 Value Engineering	10	10	Dec-30-15	Jan-13-16														
cd.18 C D Drawings for Review (60%)	28	28	Dec-30-15	Feb-08-16														
cd.6 Utility Service Availability Review	15	15	Dec-31-15	Jan-21-16														
cd.8 Receive Utility Service Availability Letters	1	1	Jan-22-16	Jan-22-16														
cd.19 Owner and CM Review of 60% Drawings	10	10	Feb-09-16	Feb-22-16														
cd.7 C D Drawings (90%)	30	30	Feb-09-16	Mar-21-16														
cd.14 Owner Meeting: Present CD Documents	1	1	Mar-22-16	Mar-22-16														
cd.10 Prepare Bid Package Descriptions	10	10	Mar-22-16	Apr-04-16														
cd.9 Local Building Inspector Review Drawings	10	10	Mar-22-16	Apr-04-16														
cd.12 Constructability Review	10	10	Mar-22-16	Apr-04-16														
cd.13 C D Drawings for Bidding	12	12	Mar-22-16	Apr-06-16														
cd.16 Owner's Review of C D Drawings	10	10	Mar-23-16	Apr-05-16														
cd.17 Complete Construction Documents	0	0		Apr-06-16														
<b>Land Development and Permitting</b>	<b>122</b>	<b>116</b>	<b>Nov-16-15 A</b>	<b>May-10-16</b>														
<b>Preliminary/Final Land Development Plan</b>	<b>88</b>	<b>88</b>	<b>Jan-08-16</b>	<b>May-10-16</b>														
pf.1 Prepare Prelim/Final Land Development Plans	39	39	Jan-08-16	Mar-02-16														
pf.2 Submit Prelim/Final Plans to Township	1	1	Mar-03-16	Mar-03-16														
pf.3 Township Review Prelim/Final Plans	4	4	Mar-04-16	Mar-09-16														
pf.4 Township Planning Comm Meeting for Comments	1	1	Mar-10-16	Mar-10-16														
pf.5 Revise Prelim/Final Plans per Township Comments	19	19	Mar-11-16	Apr-06-16														
pf.6 Resubmit Prelim/Final Plans to Township	1	1	Apr-07-16	Apr-07-16														

**Haverford Township Police / Administration Building  
Preconstruction Schedule**

Schedule ID 1613p rev 5  
Data Date Nov-24-15  
Run Date Nov-25-15

