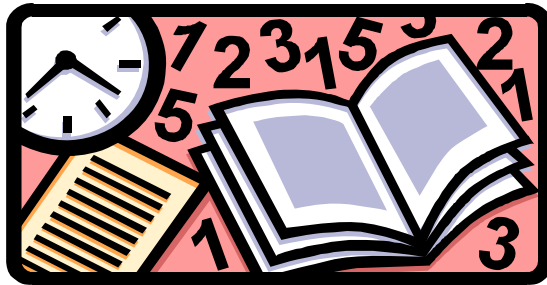
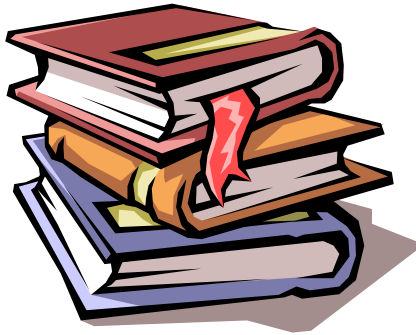


Proposed New Library Building

Kisent Template



Kisent Corporation

NOTE

The labor crew cost in this report is based on an average crew make up with the wages, fringes and burdens based on the national averages for each trade. An actual project will be based on average labor rates for the specific region in which the project is to be constructed.

New Library Building

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October 12, 2007

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PROJECT DIRECTORY

Architect XYZ Design
 123 A Street

New Library Building

Clarifications and Qualifications

October 12, 2007

EXECUTIVE SUMMARY

Project Scope

This project consists of new Library building including a ground floor and a partial basement. The total gross area of the building will be approximately 24,000 square feet.

The elements that comprise this submittal are the project definitions, design criteria for each of the definitions, clarifications and qualifications, a pending item list and the detailed estimate and summary.

The project definitions are divided into the following sections:

- Program Space - Owner required rooms and areas
- Core Space - corridors, public toilets, support and misc. areas.
- The Building Shell - structural and exterior closure information.
- The Site - grading, roads, parking and site improvements.

The prices in the estimated construction cost include the following markups and adjustments:

- Sales Tax on the Material
- Subcontractor Direct and Indirect Job Costs
- Subcontractor Overhead and Profit
- General Contractor or Prime Contractor General Conditions
- General Contractor or Prime Contractor Overhead and Profit
- Construction Bonds
- Design Contingency

Exclusions

The following items are NOT included in this project:

- Hazardous Abatement
- Loose / Not Built-In Furniture
- Art Work
- Land and Real Estate Costs
- Design Fees
- Legal and Accounting Fees
- Construction Manager's Fees
- Construction Contingency

New Library Building

Clarifications and Qualifications

October 12, 2007

ARCHITECTURAL

General Overview

The following is a general overview of the architectural finishes for the various rooms in this project:

Library - carpet floor covering, painted gypsum board walls with acoustical panels, hollow core steel doors, acoustic tile ceilings with acoustical clouds.

Corridors - VCT floor covering, painted gypsum board walls and acoustic tile ceilings.

Public Toilets - ceramic tile floors and bottom half of walls, painted gypsum board top of walls and ceilings.

Main Entrance Lobby - VCT floor covering, hollow core steel doors, painted gypsum board walls and ceilings.

Space Definitions and Design Criteria

Space and functional definitions are included in this submittal for the Program and Core areas along with individual criteria sheets for each space.

Additionally this submittal includes definitions and criteria sheets for the building shell and the site.

STRUCTURAL

General Overview

The basement and ground floor structure is cast in place footings, grade beams and reinforced slab on grade.

The ground floor area that is elevated over the basement has a structural steel frame, steel deck with cast in place concrete.

The flat roof structure is a steel frame, steel deck with cast in place concrete.. The roofing material is a 60 mil EPDM fully adhered single ply membrane on polyiso insulation.

The exterior of the building will have fluted face CMU and aluminum frame insulated windows.

Design Criteria

Detailed criteria sheets are included in this submittal for the entire building structure and exterior closure.

New Library Building

Clarifications and Qualifications

October 12, 2007

MECHANICAL

General Overview

The mechanical systems in this submittal includes detail for the following:

- Supply and return grilles and diffusers for the defined program and core spaces.
- Plumbing fixtures with rough-ins for the public toilets, break and janitor rooms.
- Roof drains with riser piping.
- Elevator shaft sump pumps.

In addition to the detail listed above, allowances are included on the *Mechanical Infrastructure* design criteria sheet for the following:

- The fire protection system.
- The plumbing risers, pumps and service equipment.
- The HVAC heating, cooling, air distribution, exhaust and controls.

ELECTRICAL

General Overview

The electrical systems in this submittal include detail for the following:

- Lighting, switches and receptacles for the defined program and core spaces.
- Communication rough-in including outlet Boxes and empty conduit.
- Electrical connections to the elevators.

In addition to the detail listed above, allowances are included on the *Electrical Infrastructure* design criteria sheet for the following:

- The electrical distribution system (switchboards, panelboards and feeders).
- A generator or emergency power system.
- Motor and equipment wiring.
- Miscellaneous additional lights, switches, receptacles and branch wiring.
- Site lighting.
- Grounding and lightning protection systems.
- The communication system risers and horizontal rough-in.
- A complete fire alarm system.
- A security access control system.

New Library Building

Pending Item List

October 12, 2007

The following is a list of items that may be required but are currently not included.

Program Space

Main Library	Program Space Line #	1
Wall Finish - Wood Panel		
VCT & Vinyl Sheet Flooring		
Reception Area	Program Space Line #	3
VCT & Vinyl Sheet Flooring		
Marble - Granite - Quarry Tile Floors		
Ceiling Tile - Standard with Suspended Grid		

Core Space

Main Lobby	Core Space Line #	1
Wall Finish - Wood Panel		
Marble - Granite - Quarry Tile Floors		
Voice - Data Jacks, Plates & Cable		
Electrical Infrastructure	Core Space Line #	14
Allowance for Sound - Paging - Intercom System		
Allowance for Clock System		

Building Shell

Main Foundation	Building Shell Line #	1
Dewatering Pumps		
Optional Foundation Work	Building Shell Line #	2
Driven Steel H Piles		
Driven Steel Pipe Piles		
Driven Precast Concrete Piles		
Bored Caisson Shafts		
Bored Caisson Bells for Shafts Up to 4'-0"		
Pile Testing		
Pile Caps - Up to 5'-0" Square		
Steel Sheet Piling		
Excavation Required for Pilings & Caissons		
Roofing	Building Shell Line #	9
Skylight - Glass Units		
North Wall Exterior Closure	Building Shell Line #	11
Face Brick Sailor, Soldier & Rowlock Courses		
Cast Stone Accents - Quoins & Ornaments		
Cast Stone Door Trim & Entrances		

New Library Building

Pending Item List

October 12, 2007

The following is a list of items that may be required but are currently not included.

Site

Site Clearing & Preparation	Site Line #	1
Earthwork - Rock Excavation		
Earthwork - Haul-Off Excess		
Earthwork - Import Borrow or Fill Dirt		
Dewatering Pumps		
Site Improvement	Site Line #	3
Security Bollards		
Landscaping & Outdoor Fixtures	Site Line #	4
Allowance for Fountain or Water Feature		
Outdoor Smoking Shelter		

New Library Building

Summary of Project Definitions

October 12, 2007

Program Space			
Defined Area		20,000	
Gross Area		24,000	
Net Gross Factor		120%	
Approximate Cost		\$1,625,983	\$67.75 / SQFT
Gen. Cond. OH&P	15%	\$243,898	
Contingencies	7%	\$130,892	
Approx. Cost with Markup		\$2,000,772	\$83.37 / SQFT

Core Space			
Defined Area		3,700	Defined Area is
Defined Core & Program Area		23,700	Balanced with the Gross
Slab Openings / Voids		(300)	
Program Gross Area - Openings		23,700	
Approximate Cost		\$1,025,053	\$43.25 / SQFT
Gen. Cond. OH&P	15%	\$153,758	
Contingencies	7%	\$82,517	
Approx. Cost with Markup		\$1,261,327	\$53.22 / SQFT

Building Shell			
Approximate Cost		\$1,616,940	\$68.23 / SQFT
Gen. Cond. OH&P	15%	\$242,541	
Contingencies	7%	\$130,164	
Approx. Cost with Markup		\$1,989,645	\$83.95 / SQFT

Site			
Approximate Cost		\$421,593	\$17.79 / SQFT
Gen. Cond. OH&P	15%	\$63,239	
Contingencies	7%	\$33,938	
Approx. Cost with Markup		\$518,770	\$21.89 / SQFT

Totals			
Defined Area		23,700	
Gross Area		23,700	
Net Gross Factor		100%	
Approximate Cost		\$4,689,569	\$197.87 / SQFT
Gen. Cond. OH&P	15%	\$703,435	
Contingencies	7%	\$377,510	
Approx. Cost with Markup		\$5,770,514	\$243.48 / SQFT

New Library Building Project Definitions

Program Space

Sheet 1 of 1

October 12, 2007

Ref #	Name of Space	Qty	Size of Each	Design Parameters						Design Parameters						Approx. Cost						
				Parameter # 1		Parameter # 2		Parameter # 3		Parameter # 4		Parameter # 5		Parameter # 6								
1	Main Library	1	16,000	Area / Size	16,000.	SQFT	Partition Height	14.	VLF	Number of Doors	3.	EACH	Length of Single Faced Shelves	300.	LNFT	Length of Double Faced Shelves	1,200.	LNFT	Room Perimeter	569.	LNFT	\$861,547
2	Main Library Mechanical & Electrical	1		Area / Size	16,000.	SQFT	Partition Height	14.	VLF	Number of Doors	3.	EACH	Length of Single Faced Shelves	300.	LNFT	Length of Double Faced Shelves	1,200.	LNFT	Room Perimeter	569.	LNFT	\$535,015
3	Reception Area	1	320	Area / Size	320.	SQFT	Partition Height	12.	VLF	Ceiling Height	10.	VLF	Number of Doors	1.	EACH	Room Perimeter	80.	LNFT	Reception Desk Length	8.	LNFT	\$23,593
4	Librarian's Office	1	180	Area / Size	180.	SQFT	Partition Height	10.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	60.	LNFT				\$10,786
5	Library Staff Office	2	120	Area / Size	120.	SQFT	Partition Height	10.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	49.	LNFT				\$13,449
6	Conference Room	1	400	Area / Size	400.	SQFT	Partition Height	11.	VLF	Ceiling Height	10.	VLF	Number of Doors	2.	EACH	Room Perimeter	90.	LNFT				\$15,227
7	Library Board Conference Room	1	800	Area / Size	800.	SQFT	Partition Height	11.	VLF	Ceiling Height	10.	VLF	Number of Doors	2.	EACH	Room Perimeter	127.	LNFT				\$23,320
8	Administrative Private Toilet	2	40	Area / Size	40.	SQFT	Partition Height	12.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	28.	LNFT	Length of Counter	3.	LNFT	\$15,405
9	Administrative Private Toilet Fixtures	2		Lavatories	1.	EACH	Water Closets	1.	EACH	Water Closets - Handicap	.	EACH	Bath Tub / Showers	.	EACH	Electric Hand Dryers	.	EACH				\$8,706
10	Copy Room	2	80	Area / Size	80.	SQFT	Partition Height	10.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	40.	LNFT				\$11,443
11	Lunch / Break Room	1	320	Area / Size	320.	SQFT	Partition Height	12.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	80.	LNFT	Cabinet & Counter Length	12.	LNFT	\$26,941
12	Lunch / Break Room Appliances	1	0	Number of Compactors	.	EACH	Number of Dishwashers	1.	EACH	Number of Refrig. / Freezers	1.	EACH	Number of Microwaves	1.	EACH	Number of Cooktops	.	EACH	Number of Ranges / Ovens	1.	EACH	\$7,352
13	General Storage Room	1	420	Area / Size	420.	SQFT	Partition Height	10.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	92.	LNFT				\$13,618
14	Computer Server IT Room	1	240	Area / Size	240.	SQFT	Partition Height	10.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	70.	LNFT				\$11,340
15	Receiving / Loading Dock	1	240	Area / Size	240.	SQFT	Partition Height	12.	VLF	Length of Dock	20.	LNFT	Number of Overhead Doors	1.	EACH	Number of Personnel Doors	1.	EACH	Room Perimeter	70.	LNFT	\$26,367
16	Maintenance Office	1	180	Area / Size	180.	SQFT	Partition Height	10.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	60.	LNFT				\$8,257
17	Basement Storage Room	1	420	Area / Size	420.	SQFT	Partition Height	10.	VLF	Ceiling Height	9.	VLF	Number of Doors	1.	EACH	Room Perimeter	92.	LNFT				\$13,618

New Library Building Project Definitions

Building Shell

Sheet 1 of 1

October 12, 2007

Ref #	Name of Space	Qty	Size of Each	Design Parameters						Design Parameters						Approx. Cost							
				Parameter # 1		Parameter # 2		Parameter # 3		Parameter # 4		Parameter # 5		Parameter # 6									
1	Main Foundation	1	21,100	Foundation Area	21,100.	SQFT	Perimeter of Foundation	650.	LNFT	Typical Bay Size	625.	SQFT	Length of Foundation Wall	100.	LNFT	Height of Foundation Wall	5.	VLF				\$230,159	
2	Optional Foundation Work	1	0	Steel H Piles	.	EACH	Steel Pipe Piles	.	EACH	Precast Concrete Piles	.	EACH	Caissons	.	EACH	Piling Tests	.	EACH	Pile Caps	.	EACH	\$0	
3	Partial Basement	1	2,500	Basement or Slab Area	2,500.	SQFT	Basement or Slab Perimeter	225.	LNFT	Depth of Basement	10.	VLF										\$107,791	
4	Slab on Grade - NO Basement	1	18,600	Basement or Slab Area	18,600.	SQFT	Basement or Slab Perimeter	500.	LNFT	Depth of Basement	1.	VLF										\$200,022	
5	Ground Floor Above Basement Steel Frame	1	2,500	Size (Area) of Building	2,500.	SQFT	Avg. LBS of Steel per Building Area	12.	LBS	Perimeter of Floor (Average)	225.	LNFT	Number of Floors	1.	EACH								\$51,575
6	Ground Floor Above Basement Concrete Slab	1	2,500	Elevated Floor Area	2,500.	SQFT	Avg. Space Between Columns	25.	LNFT	Average Height Floor to Floor	12.	VLF											\$15,610
7	Roof Steel Frame	1	21,100	Size (Area) of Roof	21,100.	SQFT	Avg. LBS of Steel per Area of Roof	8.	LBS														\$309,959
8	Roof Concrete & Plank	1	21,100	Roof Area	21,100.	SQFT	Avg. Space Between Columns	.	LNFT	Height From Floor Below	.	VLF											\$98,326
9	Roofing	1	21,100	Size (Area) of Roof	21,100.	SQFT	Perimeter Length of Roof	654.	LNFT	Number of Roof Hatches	1.	EACH	Number of Roof Vents	4.	EACH	Number of Roof Curbs	3.	EACH	Area of Walkway or Pavers	400.	SQFT		\$177,828
10	Roof Drains	1	21,100	Area / Size of Roof	21,100.	SQFT	Average Area per Drain	3,000.	SQFT	Average Height of Riser	15.	VLF	Cornice / Balcony Drains	.	EACH	Scupper Drains	.	EACH	Roof Planter Drains	.	EACH		\$9,367
11	North Wall Exterior Closure	1	2,650	CMU Wall Area	2,650.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	1,130.	SQFT	Total Area of Wall	3,780.	SQFT		\$29,018
12	North Wall Ext. Doors, Windows & Misc.	1	1,130	CMU Wall Area	2,650.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	1,130.	SQFT	Total Area of Wall	3,780.	SQFT		\$65,845
13	East Wall Exterior Closure	1	1,200	CMU Wall Area	1,200.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	600.	SQFT	Total Area of Wall	1,800.	SQFT		\$13,140
14	East Wall Ext. Doors, Windows & Misc.	1	600	CMU Wall Area	1,200.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	600.	SQFT	Total Area of Wall	1,800.	SQFT		\$33,933
15	South Wall Exterior Closure	1	2,650	CMU Wall Area	2,650.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	1,130.	SQFT	Total Area of Wall	3,780.	SQFT		\$29,018
16	South Wall Ext. Doors, Windows & Misc.	1	1,130	CMU Wall Area	2,650.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	1,130.	SQFT	Total Area of Wall	3,780.	SQFT		\$65,845
17	West Wall Exterior Closure	1	1,200	CMU Wall Area	1,200.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	600.	SQFT	Total Area of Wall	1,800.	SQFT		\$13,140
18	West Wall Ext. Doors, Windows & Misc.	1	600	CMU Wall Area	1,200.	SQFT	Brick Wall Area	.	SQFT	Stone Veneer & Misc Area	.	SQFT	Curtain Wall Area	.	SQFT	Window - Glazing - Storefront Area	600.	SQFT	Total Area of Wall	1,800.	SQFT		\$33,933
19	Stair 1 - Ground Floor to Basement	1	100	Number of Stair Landings	2.	EACH	Height of Stairs in Feet	15.	VLF	Number of Risers	22.	EACH	Railing / Handrail on 1 or 2 Sides	2.	EACH	Length of Railing or Handrail	64.	LNFT	Number of Doors	2.	EACH		\$50,797
20	Stair 2 - Basement to Roof	1	200	Number of Stair Landings	3.	EACH	Height of Stairs in Feet	30.	VLF	Number of Risers	45.	EACH	Railing / Handrail on 1 or 2 Sides	2.	EACH	Length of Railing or Handrail	123.	LNFT	Number of Doors	3.	EACH		\$81,637

New Library Building Project Definitions

Site

Sheet 1 of 1

October 12, 2007

Ref #	Name of Space	Qty	Size of Each	Design Parameters						Design Parameters						Approx. Cost
				Parameter # 1		Parameter # 2		Parameter # 3		Parameter # 4		Parameter # 5		Parameter # 6		
1	Site Clearing & Preparation	1	3	Size (1 Acre = 43,560 SqFt)	3. ACRE	Tree / Vegetation Removal Area	1. ACRE	Residential Buidings to Remove	1. EACH	Other Building Demo (Gross Area)	8,000. SQFT	Roads / Parking Lots to Remove	2,500. SQYD			\$143,725
2	Main Parking Lot	1	15,000	Roadway Length	20. LNFT	Roadway Width	30. LNFT	Parking Lot Size (Area)	15,000. SQFT	Parking Lot Standard Spaces	35. EACH	Handicap Spaces	5. EACH			\$69,735
3	Site Improvement	1	0	Size / Area	20,000. SQFT	Sidewalk Area	2,000. SQFT	Patio - Plaza Area	8,000. SQFT	Length of Retaining Wall	100. LNFT	Length of Fence	200. LNFT	Fence Gates	2. EACH	\$108,109
4	Landscaping & Outdoor Fixtures	1	0	Grass Area	30,000. SQFT	Flagpoles	3. EACH	Bike Racks	2. EACH	Planters	10. EACH	Benches / Tables	2. EACH	Smoking Shelters	. EACH	\$100,023

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Program - 1						
Description / Space							Main Library				October 12, 2007		
Parameters	16,000.	SQFT	Area / Size	Project Breakdowns									
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate								
	3.	EACH	Number of Doors	Location	Ground Floor								
	300.	LNFT	Length of Single Faced Shelves	Dept. / Group	General Assembly								
	1,200.	LNFT	Length of Double Faced Shelves	Space Description	Main Library								
	569.	LNFT	Room Perimeter										
Quantity / Multiplier	1.			Approx. Cost	\$861,547								
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
CMU Interior Wall			None Required										
Wall Framing - Interior Metal Studs	7,966.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Hollow Core Steel Door	3	EACH	Single H.C. Steel Door + Frame, Panic Bar & Closer - 4'-0" x 7'-0"						
Gypsum Board on Walls	7,966.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing	Solid Core Wood Door			None Required						
Additional Gypsum Board on Walls			None Required	Additional Door Hardware			None Required						
Beam & Soffit Framing with Gypsum Board			None Required	Additional Door Hardware			None Required						
Column Framing with Gypsum Board			None Required	Adder for SideLights	6	EACH	Hollow Core Metal Door - Add for Sidelight - Insulating Glass						
				Glazing Window Frames			None Required						
Wall Finish - Wood Panel			Not Selected	Glazing - Safety, Security & Misc Glass			None Required						
Wall Finish - Paint & Wall Coverings	7,966.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface										
Additional Wall Finish - Paint & Wall Coverings			None Required	Library Stack Shelves - Single	300	LNFT	Library Shelving - Laminated Wood - Single Faced - 90" H						
				Library Stack Shelves - Double	1200	LNFT	Library Shelving - Laminated Wood - Double Faced - 90" H						
Acoustical Treatment	569.	SQFT	Fabric Wrapped Acoustical Panel - 1-1/2" Thick	Library Built-In Desk	2	EACH	Library Built-In Check Out - Charging - Assistance Desk - Standard						
				Library Carrel	5	EACH	Library Carrel - Laminated Wood - Double - 36" x 64" x 48"						
Carpet Floor Covering	16,000.	SQFT	Carpet - Commercial Grade - Heavy Duty	Library Computer Station	5	EACH	Library Computer Station - Lam. Wood - Double - 30" x 60" x 32"						
Carpet Pad	16,000.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Heavy Duty (8 LB)										
VCT & Vinyl Sheet Flooring			Not Selected	Casework 1			None Required						
Wood & Laminate Floors			None Required	Casework 2			None Required						
Marble - Granite - Quarry Tile Floors			None Required	Casework 3			None Required						
Wall Cove & Base	569.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Casework - Work Surface or Counter Top			None Required						
Ceiling Tile - Standard with Suspended Grid			None Required	Audio - Visual System Allowance	1	LSUM	\$10,000 Allowance for Audio / Visual System Rough-In						
Ceiling Tile - Fire Rated with Suspended Grid	16000	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid										
Ceiling - Gypsum Board on Metal Framing			None Required										
Ceiling Finish - Painting			None Required										
Ceiling Clouds	1600	SQFT	Suspended Ceiling Cloud - 2" Fabric Covered Acoustic Board										
Ceiling Baffles			None Required										
Fiberglass Insulation	16000	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick										
Acoustical Sound Batt	7966	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick										

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

		Program - 1
Project Name	New Library Building	
Description / Space	Main Library	October 12, 2007
Comments and Clarifications		
<p>1. The owner will inform the design team if the stack shelves can be used / refurbished.</p> <p>2. The humidity level in this area is critical and therefore shall be carefully monitored and maintained.</p>		
Kisent Budgetware & Estimating System®		

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Program - 2				
Description / Space							New Library Building				
Main Library Mechanical & Electrical							October 12, 2007				
Parameters	16,000.	SQFT	Area / Size	Project Breakdowns							
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate						
	3.	EACH	Number of Doors	Location	Ground Floor						
	300.	LNFT	Length of Single Faced Shelves	Dept. / Group	General Assembly						
	1,200.	LNFT	Length of Double Faced Shelves	Space Description	Main Library Mechanical & Electrical						
	569.	LNFT	Room Perimeter								
Quantity / Multiplier	1.			Approx. Cost	\$535,015						
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Allowance for Entire HVAC System			None Required	Allowance for Fire Alarm System	16000	SQFT	\$1.25 / SQFT Allowance for Fire Alarm System				
Allowance for AHU Equipment	1.	LSUM	\$20,000 Allowance for AHU Equipment	Allowance for Security Access Control System	16000	SQFT	\$1.00 / SQFT Allowance for Security Access Control System				
Allowance for RTU - Packaged HVAC Units			None Required	Allowance for Cable TV System	16000	SQFT	\$0.25 / SQFT Allowance for Cable TV System				
Supply Air Diffuser with Flex Duct	53.	EACH	24" x 24" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap								
Return Air Grille	40.	EACH	Aluminum Return Air Grille - Plenum No Duct - 24" x 24"								
Allowance for HVAC Ductwork			None Required								
Allowance for HVAC Controls			None Required								
Allowance for Electrical Distribution	16,000.	SQFT	\$2.50 / SQFT Allowance for Electric Distribution Equip. & Feeders								
Allowance for Motor & Equipment Wiring	16,000.	SQFT	\$1.00 / SQFT Allowance for Motor & Equipment Wiring								
Fluorescent Parabolics & Recessed Indirect	229.	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In								
Indirect Fluorescent Pendants & Wall Mounted	300.	EACH	4' - 3 Lamp Decorative Direct / Indirect Pendant Fluorescent								
Library Stack Shelving Light Bracket	300.	EACH	Library Stack Shelving Light Fixture Support Bracket - Standard								
Downlights & Wall Washers - Compact Fluorescents	32.	EACH	6" Comp. Fluor. Downlight - (2) 26W Lamp - Clear Open Reflector								
Fluorescent Light Adder for Emergency Battery	56.	EACH	Adder for Emergency Battery Backup								
Decorative - Accent Lighting Allowances			None Required								
Exit Light	9.	EACH	Exit Light with Battery - Single Face - Edge-Lit - LED								
Switches with Plates			None Required								
Switches - Occupancy Sensor	20	EACH	Occ. Sensor - Ceiling Mtd - Dual Tech. - 24 VDC + Relay								
Receptacles with Plates	47	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A								
Additional Receptacles with Plates	12	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A								
Receptacles with Floor Boxes & Poke Thrus	5	EACH	Iso.Gr. Dplx Recept. + Comm. Opening - 2 Gang Steel Floor Box + Trim								
Electric Rough-In Box with Conduit & Wire	1010	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire								
Voice - Data Jacks, Plates & Cable			None Required								
Additional Voice - Data Jacks, Plates & Cable			None Required								
Communication Rough-In Box & Conduit	20	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String								

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Program - 3	
Description / Space		Reception Area					October 12, 2007		
Parameters	320.	SQFT	Area / Size		Project Breakdowns				
	12.	VLF	Partition Height		Base / Options	00 - Base Estimate			
	10.	VLF	Ceiling Height		Location	Ground Floor			
	1.	EACH	Number of Doors		Dept. / Group	General Assembly			
	80.	LNFT	Room Perimeter		Space Description	Reception Area			
	8.	LNFT	Reception Desk Length						
Quantity / Multiplier	1.				Approx. Cost	\$23,593			
System	Qty	U/M	Criteria Selection		System	Qty	U/M	Criteria Selection	
Wall Framing - Interior Metal Studs	960.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC		Additional Door Hardware			None Required	
Gypsum Board on Walls	960.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing		Adder for SideLights	2	EACH	Solid Core Wood Door - Add for Sidelight - Interior Glass	
Additional Gypsum Board on Walls			None Required		Glazing Window Frames			None Required	
Beam & Soffit Framing with Gypsum Board	8.	LNFT	Beam / Soffit - 1/2" Gyp. Bd. - Mtl Frame - Lvl 4 Finish - Medium		Glazing - Safety, Security & Misc Glass			None Required	
Column Framing with Gypsum Board			None Required		Aluminum Windows - Slider	1	EACH	Alum. Window - Slider - Std. Glass - Comm. Gr. - 36" x 36"	
Wall Finish - Wood Panel			None Required		Casework 1	8	LNFT	Plastic Laminated Casework - Special Order - Base Cabinet	
Wall Finish - Paint & Wall Coverings	960.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface		Casework 2	8	LNFT	Plastic Laminated Casework - Special Order - Wall Cabinet	
Additional Wall Finish - Paint & Wall Coverings			None Required		Casework - Work Surface or Counter Top	8	LNFT	Solid Plastic / Polymer Work Surface / Counter Top - No Backsplash	
Carpet Floor Covering	320.	SQFT	Carpet - Commercial Grade - Heavy Duty		Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap	
Carpet Pad	320.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Heavy Duty (8 LB)		Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"	
VCT & Vinyl Sheet Flooring			Not Selected						
Wood & Laminate Floors			None Required		Fluorescent Parabolics & Recessed Indirect	5	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In	
Marble - Granite - Quarry Tile Floors			Not Selected		Ceiling Mounted Fluorescent Light			None Required	
Wall Cove & Base	80.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High		Downlights & Wall Washers - Compact Fluorescents			None Required	
Ceiling Tile - Standard with Suspended Grid			Not Selected		Switches with Plates			None Required	
Ceiling Tile - Fire Rated with Suspended Grid	320.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid		Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch	
Ceiling - Gypsum Board on Metal Framing			None Required		Receptacles with Plates	7	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A	
Ceiling Finish - Painting			None Required		Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A	
Fiberglass Insulation	320	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick		Receptacles with Floor Boxes & Poke Thrus	1	EACH	Iso.Gr. Dbl. Duplex Receptacle - Fire Rated Poke Thru with Core Drill	
Acoustical Sound Batt	960	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick		Power Connection for Partition or Furniture			None Required	
Hollow Core Steel Door			None Required		Electric Rough-In Box with Conduit & Wire	15	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire	
Additional Hollow Core Steel Door			None Required		Voice - Data Jacks, Plates & Cable			None Required	
Solid Core Wood Door	1	EACH	Double Wood Door, Frame, Lockset & Closer - Oak - 6'-0" x 8'-0"		Additional Voice - Data Jacks, Plates & Cable			None Required	
Additional Solid Core Wood Door			None Required		Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-St Ftgs & Pull String	
Additional Door Hardware			None Required		Communication Rough-In for Partition or Furniture	1	EACH	Communication Connection Rough-In to Furniture - Poke Thru Floor Box	

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Program - 4					
Description / Space							New Library Building		Librarian's Office		October 12, 2007	
Parameters	180.	SQFT	Area / Size	Project Breakdowns								
	10.	VLF	Partition Height	Base / Options	00 - Base Estimate							
	9.	VLF	Ceiling Height	Location	Ground Floor							
	1.	EACH	Number of Doors	Dept. / Group	Administrative							
	60.	LNFT	Room Perimeter	Space Description	Librarian's Office							
Quantity / Multiplier	1.			Approx. Cost	\$10,786							
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	
Wall Framing - Interior Metal Studs	600.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Additional Door Hardware			None Required					
Gypsum Board on Walls	600.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing	Adder for SideLights			None Required					
Additional Gypsum Board on Walls			None Required	Glazing Window Frames			None Required					
Beam & Soffit Framing with Gypsum Board			None Required	Glazing - Safety, Security & Misc Glass			None Required					
Column Framing with Gypsum Board			None Required									
				Casework 1			None Required					
Wall Finish - Wood Panel			None Required	Casework 2			None Required					
Wall Finish - Paint & Wall Coverings	600.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface	Casework 3			None Required					
Additional Wall Finish - Paint & Wall Coverings			None Required	Casework - Work Surface or Counter Top			None Required					
Carpet Floor Covering	180.	SQFT	Carpet - Commercial Grade - Medium Duty	Supply Air Diffuser with Flex Duct	1	EACH	18" x 18" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap					
Carpet Pad	180.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"					
VCT & Vinyl Sheet Flooring			None Required									
Wood & Laminate Floors			None Required	Fluorescent Parabolics & Recessed Indirect	3	EACH	2' x 4' - 3 Lamp Premium Direct / Indirect Fluorescent Lay In					
Marble - Granite - Quarry Tile Floors			None Required	Ceiling Mounted Fluorescent Light			None Required					
Wall Cove & Base	60.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Downlights & Wall Washers - Compact Fluorescents	4	EACH	6" Comp. Fluor. Downlight - (2) 26W Lamp - Open Reflector with Baffle					
Ceiling Tile - Standard with Suspended Grid			None Required	Switches with Plates			None Required					
Ceiling Tile - Fire Rated with Suspended Grid	180.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch					
Ceiling - Gypsum Board on Metal Framing			None Required	Receptacles with Plates	5	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A					
Ceiling Finish - Painting			None Required	Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A					
				Receptacles with Floor Boxes & Poke Thrus			None Required					
Fiberglass Insulation	180	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Power Connection for Partition or Furniture			None Required					
Acoustical Sound Batt	600	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Electric Rough-In Box with Conduit & Wire	14	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire					
Hollow Core Steel Door			None Required	Voice - Data Jacks, Plates & Cable			None Required					
Additional Hollow Core Steel Door			None Required	Additional Voice - Data Jacks, Plates & Cable			None Required					
Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"	Communication Rough-In Box & Conduit	2	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String					
Additional Solid Core Wood Door			None Required	Communication Rough-In for Partition or Furniture			None Required					
Additional Door Hardware			None Required									

Kisent Budgetware & Estimating System

EZ Model File: Office - Standard

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Program - 5	
Description / Space		Library Staff Office					October 12, 2007		
Parameters	120.	SQFT	Area / Size	Project Breakdowns					
	10.	VLF	Partition Height	Base / Options	00 - Base Estimate				
	9.	VLF	Ceiling Height	Location	Ground Floor				
	1.	EACH	Number of Doors	Dept. / Group	Administrative				
	49.	LNFT	Room Perimeter	Space Description	Library Staff Office				
Quantity / Multiplier	2.			Approx. Cost	\$15,133				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
Wall Framing - Interior Metal Studs	490.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Additional Door Hardware			None Required		
Gypsum Board on Walls	490.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing	Adder for SideLights			None Required		
Additional Gypsum Board on Walls			None Required	Glazing Window Frames			None Required		
Beam & Soffit Framing with Gypsum Board			None Required	Glazing - Safety, Security & Misc Glass			None Required		
Column Framing with Gypsum Board			None Required						
				Casework 1			None Required		
Wall Finish - Wood Panel			None Required	Casework 2			None Required		
Wall Finish - Paint & Wall Coverings	490.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface	Casework 3			None Required		
Additional Wall Finish - Paint & Wall Coverings			None Required	Casework - Work Surface or Counter Top			None Required		
Carpet Floor Covering	120.	SQFT	Carpet - Commercial Grade - Medium Duty	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap		
Carpet Pad	120.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"		
VCT & Vinyl Sheet Flooring			None Required						
Wood & Laminate Floors			None Required	Fluorescent Parabolics & Recessed Indirect	2	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In		
Marble - Granite - Quarry Tile Floors			None Required	Ceiling Mounted Fluorescent Light			None Required		
Wall Cove & Base	49.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Downlights & Wall Washers - Compact Fluorescents			None Required		
Ceiling Tile - Standard with Suspended Grid			None Required	Switches with Plates			None Required		
Ceiling Tile - Fire Rated with Suspended Grid	120.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch		
Ceiling - Gypsum Board on Metal Framing			None Required	Receptacles with Plates	4	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A		
Ceiling Finish - Painting			None Required	Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A		
				Receptacles with Floor Boxes & Poke Thrus			None Required		
Fiberglass Insulation	120	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Power Connection for Partition or Furniture			None Required		
Acoustical Sound Batt	490	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Electric Rough-In Box with Conduit & Wire	8	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire		
Hollow Core Steel Door			None Required	Voice - Data Jacks, Plates & Cable			None Required		
Additional Hollow Core Steel Door			None Required	Additional Voice - Data Jacks, Plates & Cable			None Required		
Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"	Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String		
Additional Solid Core Wood Door			None Required	Communication Rough-In for Partition or Furniture			None Required		
Additional Door Hardware			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Program - 6	
Description / Space		Conference Room					October 12, 2007		
Parameters	400.	SQFT	Area / Size	Project Breakdowns					
	11.	VLF	Partition Height	Base / Options	00 - Base Estimate				
	10.	VLF	Ceiling Height	Location	Ground Floor				
	2.	EACH	Number of Doors	Dept. / Group	Administrative				
	90.	LNFT	Room Perimeter	Space Description	Conference Room				
Quantity / Multiplier	1.			Approx. Cost	\$15,227				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
Wall Framing - Interior Metal Studs	990.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Glazing Window Frames			None Required		
Gypsum Board on Walls	990.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing	Glazing - Safety, Security & Misc Glass			None Required		
Additional Gypsum Board on Walls			None Required						
Beam & Soffit Framing with Gypsum Board			None Required	Casework 1			None Required		
Column Framing with Gypsum Board			None Required	Casework 2			None Required		
				Casework 3			None Required		
Wall Finish - Wood Panel			None Required	Casework - Work Surface or Counter Top			None Required		
Wall Finish - Paint & Wall Coverings	990.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface						
Additional Wall Finish - Paint & Wall Coverings			None Required	Audio - Visual System Allowance			None Required		
Carpet Floor Covering	400.	SQFT	Carpet - Commercial Grade - Medium Duty	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap		
Carpet Pad	400.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"		
VCT & Vinyl Sheet Flooring			None Required						
Wood & Laminate Floors			None Required	Fluorescent Parabolics & Recessed Indirect	6	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In		
Marble - Granite - Quarry Tile Floors			None Required	Indirect Fluorescent Pendants & Wall Mounted			None Required		
Wall Cove & Base	90.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Downlights & Wall Washers - Compact Fluorescents			None Required		
				Fluorescent Light Adder for Emergency Battery			None Required		
Ceiling Tile - Standard with Suspended Grid			None Required	Decorative - Accent Lighting Allowances			None Required		
Ceiling Tile - Fire Rated with Suspended Grid	400.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid						
Ceiling - Gypsum Board on Metal Framing			None Required	Switches with Plates	1	EACH	SPST - 3 Gang Switch with Plastic Plate		
Ceiling Finish - Painting			None Required	Dimmer Switches	1	EACH	Fluorescent Slide Dimmer - 1000W - 20 Lamps		
				Switches - Occupancy Sensor			None Required		
Fiberglass Insulation	400	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Receptacles with Plates	8	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A		
Acoustical Sound Batt	990	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A		
				Receptacles with Floor Boxes & Poke Thrus	1	EACH	Iso.Gr. Dplx Recept. + Comm. Opening - 2 Gang Steel Floor Box + Trim		
Hollow Core Steel Door			None Required	Electric Rough-In Box with Conduit & Wire	18	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftg's & Wire		
Solid Core Wood Door	2	EACH	Single Wood Door, Frame & Lockset - Oak - 3'-0" x 6'-8" or 7'-0"						
Additional Door Hardware			None Required	Voice - Data Jacks, Plates & Cable			None Required		
Additional Door Hardware			None Required	Additional Voice - Data Jacks, Plates & Cable			None Required		
Adder for SideLights			None Required	Communication Rough-In	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftg's & Pull String		

Kisent Budgetware & Estimating System

EZ Model File: Conference Rooms

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Program - 7			
Description / Space		Library Board Conference Room					October 12, 2007				
Parameters	800.	SQFT	Area / Size		Project Breakdowns						
	11.	VLF	Partition Height		Base / Options	00 - Base Estimate					
	10.	VLF	Ceiling Height		Location	Ground Floor					
	2.	EACH	Number of Doors		Dept. / Group	Administrative					
	127.	LNFT	Room Perimeter		Space Description	Library Board Conference Room					
Quantity / Multiplier	1.				Approx. Cost	\$26,051					
System	Qty	U/M	Criteria Selection			System	Qty	U/M	Criteria Selection		
Wall Framing - Interior Metal Studs	1,397.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC			Glazing Window Frames			None Required		
Gypsum Board on Walls	1,397.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing			Glazing - Safety, Security & Misc Glass			None Required		
Additional Gypsum Board on Walls			None Required								
Beam & Soffit Framing with Gypsum Board			None Required			Casework 1			None Required		
Column Framing with Gypsum Board			None Required			Casework 2			None Required		
						Casework 3			None Required		
Wall Finish - Wood Panel			None Required			Casework - Work Surface or Counter Top			None Required		
Wall Finish - Paint & Wall Coverings	1,397.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface								
Additional Wall Finish - Paint & Wall Coverings			None Required			Audio - Visual System Allowance			None Required		
Carpet Floor Covering	800.	SQFT	Carpet - Commercial Grade - Medium Duty			Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap		
Carpet Pad	800.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)			Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"		
VCT & Vinyl Sheet Flooring			None Required								
Wood & Laminate Floors			None Required			Fluorescent Parabolics & Recessed Indirect	12	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In		
Marble - Granite - Quarry Tile Floors			None Required			Indirect Fluorescent Pendants & Wall Mounted			None Required		
Wall Cove & Base	127.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High			Downlights & Wall Washers - Compact Fluorescents			None Required		
						Fluorescent Light Adder for Emergency Battery			None Required		
Ceiling Tile - Standard with Suspended Grid			None Required			Decorative - Accent Lighting Allowances			None Required		
Ceiling Tile - Fire Rated with Suspended Grid	800.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid								
Ceiling - Gypsum Board on Metal Framing			None Required			Switches with Plates	1	EACH	SPST - 3 Gang Switch with Plastic Plate		
Ceiling Finish - Painting			None Required			Dimmer Switches	1	EACH	Fluorescent Slide Dimmer - 1000W - 20 Lamps		
						Switches - Occupancy Sensor			None Required		
Fiberglass Insulation	800	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick			Receptacles with Plates	11	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A		
Acoustical Sound Batt	1397	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick			Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A		
						Receptacles with Floor Boxes & Poke Thrus	1	EACH	Iso.Gr. Dplx Recept. + Comm. Opening - 2 Gang Steel Floor Box + Trim		
Hollow Core Steel Door			None Required			Electric Rough-In Box with Conduit & Wire	27	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftg's & Wire		
Solid Core Wood Door	2	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"								
Additional Door Hardware			None Required			Voice - Data Jacks, Plates & Cable			None Required		
Additional Door Hardware			None Required			Additional Voice - Data Jacks, Plates & Cable			None Required		
Adder for SideLights			None Required			Communication Rough-In	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftg's & Pull String		

Kisent Budgetware & Estimating System

EZ Model File: Conference Rooms

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Program - 8		
Description / Space							New Library Building		
Administrative Private Toilet							October 12, 2007		
Parameters	40.	SQFT	Area / Size	Project Breakdowns					
	12.	VLF	Partition Height	Base / Options	00 - Base Estimate				
	9.	VLF	Ceiling Height	Location	Ground Floor				
	1.	EACH	Number of Doors	Dept. / Group	Administrative				
	28.	LNFT	Room Perimeter	Space Description	Administrative Private Toilet				
	3.	LNFT	Length of Counter						
Quantity / Multiplier	2.			Approx. Cost	\$15,405				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
CMU Interior Wall			None Required	Additional Hollow Core Steel Door			None Required		
Wall Framing - Interior Metal Studs	336.	SQFT	Metal Stud Wall - 20 ga. Non-Load Bear. - 6" W - 16" OC	Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Birch- 3'-0" x 6'-8" or 7'-0"		
Gypsum Board on Walls	336.	SQFT	5/8" Water Resistant Gypsum Board on Walls with Level 4 Finishing	Additional Solid Core Wood Door			None Required		
Additional Gypsum Board on Walls			None Required	Additional Door Hardware			None Required		
Beam & Soffit Framing with Gypsum Board	7.	LNFT	Beam / Soffit - 1/2" Gyp. Bd. - Mtl Frame - Lvl 4 Finish - Medium	Additional Door Hardware			None Required		
Column Framing with Gypsum Board			None Required						
				Casework 1			None Required		
Ceramic Tile Wall Covering	168.	SQFT	Ceramic Tile Wall - Common Stock - 6" x 6"	Casework 2			None Required		
Wall Finish - Paint & Wall Coverings	336.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface	Casework 3			None Required		
Additional Wall Finish - Paint & Wall Coverings			None Required	Casework - Work Surface or Counter Top	3	LNFT	Epoxy Resin Work Surface / Counter Top - With Backsplash		
Ceramic Tile Floor Covering	40.	SQFT	Ceramic Tile Floor - Common Stock - Group 4 (Hvy Duty)	Mirrors	1	EACH	Mirror - Standard with Angle Frame & Shelf - 24" x 36"		
VCT & Vinyl Sheet Flooring			None Required						
Carpet Floor Covering			None Required	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap		
Carpet Pad			None Required	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"		
Marble - Granite - Quarry Tile Floors			None Required						
Terrazzo Floors			None Required	Fluorescent Parabolics & Recessed Indirect			None Required		
				Ceiling Mounted Fluorescent Light	1	EACH	2' x 2' - 2 Lamp Acrylic Lens Fluorescent Lay In		
Ceramic Tile Trim Pieces	28.	LNFT	Ceramic Tile Trim - Base - 4" High	Downlights & Wall Washers - Compact Fluorescents			None Required		
Wall Cove & Base			None Required						
				Switches with Plates			None Required		
Ceiling Tile - Standard with Suspended Grid			None Required	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch		
Ceiling Tile - Fire Rated with Suspended Grid			None Required	Receptacles with Plates	1	EACH	GFI Recept. with Stls. Stl. Plate - Spec Grade - 20A		
Ceiling - Gypsum Board on Metal Framing	40	SQFT	1/2" Water Res. Gyp. Bd. Suspended Ceiling - Mtl. Frame - Lvl 4 Finish	Additional Receptacles with Plates			None Required		
Ceiling Finish - Painting	40	SQFT	Painting - Primer + 2 Finish Coats - Sprayer - Smooth Surface	Electric Rough-In Box with Conduit & Wire	3	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St'Comp Ftgs & Wire		
Fiberglass Insulation	40	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Voice - Data Jacks, Plates & Cable			None Required		
Acoustical Sound Batt	336	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Communication Rough-In Box & Conduit			None Required		
Hollow Core Steel Door			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Program - 9
Description / Space		Administrative Private Toilet Fixtures					October 12, 2007	
Parameters	1.	EACH	Lavatories	Project Breakdowns				
	1.	EACH	Water Closets	Base / Options	00 - Base Estimate			
		EACH	Water Closets - Handicap	Location	Ground Floor			
		EACH	Bath Tub / Showers	Dept. / Group	Administrative			
		EACH	Electric Hand Dryers	Space Description	Administrative Private Toilet Fixtures			
Quantity / Multiplier	2.			Approx. Cost	\$8,706			
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	
Lavatories - Counter Mounted	1.	EACH	Lavatory- Porc. Enamel C.I.- Counter Mtd. Std. Color- 20" X 17"					
Lavatories - Wall Mounted			None Required					
Lavatory Faucets	1.	EACH	Lavatory Faucet - Automatic Sensor Operated - Standard					
Lavatory Rough-In	1.	EACH	Counter Top Sink / Lavatory Rough-In - Copper Supply - C.I. Waste					
Water Closet Fixtures	1.	EACH	Water Closet - Back Outlet Bowl Only - Floor Mtd. - Standard					
Water Closet Fixtures - Handicap			None Required					
Grab Bars			None Required					
Water Closet Seats & Covers	1.	EACH	Toilet Seat with Cover - Antimicrobial Composition					
Water Closet Flush Valves	1.	EACH	Exposed Flush Valve - Top Spud - Water Closet					
Water Closet Rough-In	1.	EACH	Floor Mount Water Closet Rough-In - Copper Supply - C.I. Waste					
Bath Tub - Shower Mixing Valves, Heads & Spouts			None Required					
Bath Tub - Shower Rough-In			None Required					
Paper Towel Dispensers			None Required					
Waste Receptacle			None Required					
Paper Towel Dispenser with Waste Receptacle	1.	EACH	Towel Disp.-Waste Receptacle- Stls. Stl.- Surface Mtd.- 42" Tall					
Hand Dryer			None Required					
Electrical Connection to Motor - Equipment			None Required					
Electric Rough-In Box with Conduit & Wire			None Required					
Soap Dispenser	1	EACH	Soap Dispenser - Lavatory Mounted - Manual					
Toilet Seat Cover Dispenser			None Required					
Toilet Tissue Dispenser			None Required					
Toilet Seat Cover & Tissue Dispenser	1	EACH	Combo.- Recessed- Seat Cover / Dual Tissue Dispenser					
Tampon - Napkin Vendor			None Required					
Baby Changing Stations			None Required					
Baby Changing Station Liner Dispenser			None Required					

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Program - 10			
Description / Space							New Library Building		October 12, 2007	
Parameters	80.	SQFT	Area / Size	Project Breakdowns						
	10.	VLF	Partition Height	Base / Options	00 - Base Estimate					
	9.	VLF	Ceiling Height	Location	Ground Floor					
	1.	EACH	Number of Doors	Dept. / Group	Administrative					
	40.	LNFT	Room Perimeter	Space Description	Copy Room					
Quantity / Multiplier	2.			Approx. Cost	\$11,443					
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection			
Wall Framing - Interior Metal Studs	400.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Glazing - Safety, Security & Misc Glass			None Required			
Gypsum Board on Walls	400.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing							
Additional Gypsum Board on Walls			None Required	Casework 1			None Required			
Beam & Soffit Framing with Gypsum Board			None Required	Casework 2			None Required			
Column Framing with Gypsum Board			None Required	Casework 3			None Required			
				Casework - Work Surface or Counter Top			None Required			
Wall Finish - Paint & Wall Coverings	400.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface							
Additional Wall Finish - Paint & Wall Coverings			None Required	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap			
				Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"			
Carpet Floor Covering	80.	SQFT	Carpet - Commercial Grade - Medium Duty							
Carpet Pad	80.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)	Fluorescent Parabolics & Recessed Indirect	2	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In			
VCT & Vinyl Sheet Flooring			None Required	Ceiling Mounted Fluorescent Light			None Required			
Wood & Laminate Floors			None Required	Downlights & Wall Washers - Compact Fluorescents			None Required			
Marble - Granite - Quarry Tile Floors			None Required							
Wall Cove & Base	40.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Switches with Plates			None Required			
				Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch			
Ceiling Tile - Standard with Suspended Grid			None Required	Receptacles with Plates	3	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A			
Ceiling Tile - Fire Rated with Suspended Grid	80.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid	Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A			
Ceiling - Gypsum Board on Metal Framing			None Required	Receptacles with Floor Boxes & Poke Thrus			None Required			
Ceiling Finish - Painting			None Required	Electric Rough-In Box with Conduit & Wire	7	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire			
				Special Purpose Receptacles			None Required			
Fiberglass Insulation	80	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick							
Acoustical Sound Batt	400	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Voice - Data Jacks, Plates & Cable			None Required			
				Additional Voice - Data Jacks, Plates & Cable			None Required			
Hollow Core Steel Door			None Required	Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String			
Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"							
Additional Door Hardware			None Required							
Additional Door Hardware			None Required							
Adder for SideLights			None Required							
Glazing Window Frames			None Required							

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Program - 11							
Project Name		New Library Building					
Description / Space		Lunch / Break Room			October 12, 2007		
Parameters	320.	SQFT	Area / Size	Project Breakdowns			
	12.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	9.	VLF	Ceiling Height	Location	Ground Floor		
	1.	EACH	Number of Doors	Dept. / Group	Administrative		
	80.	LNFT	Room Perimeter	Space Description	Lunch / Break Room		
	12.	LNFT	Cabinet & Counter Length				
Quantity / Multiplier	1.			Approx. Cost	\$26,941		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
CMU Interior Wall			None Required	Additional Hollow Core Steel Door			None Required
Wall Framing - Interior Metal Studs	960.	SQFT	Metal Stud Wall - 20 ga. Non-Load Bear. - 6" W - 16" OC	Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"
Gypsum Board on Walls	960.	SQFT	5/8" Water Resistant Gypsum Board on Walls with Level 4 Finishing	Additional Solid Core Wood Door			None Required
Additional Gypsum Board on Walls			None Required	Additional Door Hardware			None Required
Beam & Soffit Framing with Gypsum Board	12.	LNFT	Beam / Soffit - 1/2" Gyp. Bd. - Mtl Frame - Lvl 4 Finish - Medium	Additional Door Hardware			None Required
Column Framing with Gypsum Board			None Required				
				Casework 1	12	LNFT	Plastic Laminated Casework - Common Stock - Base Cabinet
Ceramic Tile Wall Covering	36.	SQFT	Ceramic Tile Wall - Common Stock - 6" x 6"	Casework 2	12	LNFT	Plastic Laminated Casework - Common Stock - Wall Cabinet
Wall Finish - Paint & Wall Coverings	720.	SQFT	Vinyl Wall Covering - 20 oz. Medium Weight - Decorative Pattern	Casework 3			None Required
Additional Wall Finish - Paint & Wall Coverings	960.	SQFT	Painting - Primer + 1 Finish Coat - Brush / Roller - Smooth Surface	Casework - Work Surface or Counter Top	12	LNFT	Epoxy Resin Work Surface / Counter Top - With Backsplash
Ceramic Tile Floor Covering			None Required	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
VCT & Vinyl Sheet Flooring	320.	SQFT	VCT - Vinyl Composite Tile Flooring - Marble or Stone Pattern - Heavy Duty	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"
Carpet Floor Covering			None Required				
Carpet Pad			None Required	Fluorescent Parabolics & Recessed Indirect	5	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In
Marble - Granite - Quarry Tile Floors			None Required	Ceiling Mounted Fluorescent Light			None Required
Terrazzo Floors			None Required	Downlights & Wall Washers - Compact Fluorescents	4	EACH	6" Comp. Fluor. Downlight - (2) 26W Lamp - Clear Open Reflector
Ceramic Tile Trim Pieces			None Required	Switches with Plates			None Required
Wall Cove & Base	80	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Ceiling Mtd - Infrared - Self Contained
				Receptacles with Plates	3	EACH	Duplex Recept. with Stls. Stl. Plate - Spec Grade - 20A
Ceiling Tile - Standard with Suspended Grid			None Required	Additional Receptacles with Plates	2	EACH	GFI Recept. with Stls. Stl. Plate - Spec Grade - 20A
Ceiling Tile - Fire Rated with Suspended Grid	320	SQFT	15/16" T Bar Suspended Ceiling - Average Tile - 2' x 4' Fire Rated Grid	Electric Rough-In Box with Conduit & Wire	15	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire
Ceiling - Gypsum Board on Metal Framing			None Required				
Ceiling Finish - Painting			None Required	Voice - Data Jacks, Plates & Cable	1	EACH	Voice/Data Plate + (1)Cat 3 Jack & 150' Plenum Cable
				Additional Voice - Data Jacks, Plates & Cable			None Required
Fiberglass Insulation	320	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 10' of 3/4" EMT St-SS Ftgs & Pull String
Acoustical Sound Batt	960	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick				
Hollow Core Steel Door			None Required				

Kiscent Budgetware & Estimating System

EZ Model File: Lunch - Break Room

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Program - 12	
Description / Space		Lunch / Break Room Appliances					October 12, 2007		
Parameters		EACH	Number of Compactors		Project Breakdowns				
	1.	EACH	Number of Dishwashers		Base / Options	00 - Base Estimate			
	1.	EACH	Number of Refrig. / Freezers		Location	Ground Floor			
	1.	EACH	Number of Microwaves		Dept. / Group	Administrative			
		EACH	Number of Cooktops		Space Description	Lunch / Break Room Appliances			
	1.	EACH	Number of Ranges / Ovens						
Quantity / Multiplier	1.				Approx. Cost	\$7,352			
System	Qty	U/M	Criteria Selection		System	Qty	U/M	Criteria Selection	
Kitchen Sink	1.	EACH	Kitchen Sink - Stainless Steel - 43" x 22" Double						
Kitchen Sink Faucet	1.	EACH	Kitchen Sink Faucet - Standard						
Kitchen Sink Rough-In	1.	EACH	Kitchen Sink Rough-In - Copper Supply - C.I. Waste						
Garbage Disposal	1.	EACH	Garbage Disposal - Standard						
Trash Compactor			None Required						
Dishwasher	1.	EACH	Dishwashers - Built-In - Standard						
Refrigerator	1.	EACH	Kitchen Refrigerator - 20 CUFT - Standard						
Freezer			None Required						
Ice Maker - Light Duty			None Required						
Microwave	1.	EACH	Microwave - Standard						
Range Hood - Microhood			None Required						
Receptacles with Plates for Appliances	4.	EACH	Duplex Recept. with Stls. Stl. Plate - Spec Grade - 20A						
Electric Rough-In Box with Conduit & Wire	4.	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St*Comp Ftgs & Wire						
Cooktop - Gas			None Required						
Oven - Gas			None Required						
Range - Gas			None Required						
Gas Valve			None Required						
Gas Flexible Connection			None Required						
Cooktop - Electric			None Required						
Oven - Electric			None Required						
Range - Electric	1	EACH	Electric Freestanding Range - Single Oven - Standard						
Receptacle for Cooktop			None Required						
Receptacle for Oven or Range	1	EACH	Special Outlet with Box, Plate, 50' of EMT & Wire - N14-50R						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Program - 13						
Description / Space							General Storage Room				October 12, 2007		
Parameters	420.	SQFT	Area / Size				Project Breakdowns						
	10.	VLF	Partition Height				Base / Options		00 - Base Estimate				
	9.	VLF	Ceiling Height				Location		Ground Floor				
	1.	EACH	Number of Doors				Dept. / Group		Support & Infrastructure				
	92.	LNFT	Room Perimeter				Space Description		General Storage Room				
Quantity / Multiplier							1.		Approx. Cost			\$15,284	
System	Qty	U/M	Criteria Selection				System	Qty	U/M	Criteria Selection			
Wall Framing - Interior Metal Studs	920.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC				Glazing - Safety, Security & Misc Glass			None Required			
Gypsum Board on Walls	920.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing										
Additional Gypsum Board on Walls			None Required				Casework 1			None Required			
Beam & Soffit Framing with Gypsum Board			None Required				Casework 2			None Required			
Column Framing with Gypsum Board			None Required				Casework 3			None Required			
							Casework - Work Surface or Counter Top			None Required			
Wall Finish - Paint & Wall Coverings	920.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface										
Additional Wall Finish - Paint & Wall Coverings			None Required				Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap			
							Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"			
Carpet Floor Covering	420.	SQFT	Carpet - Commercial Grade - Medium Duty										
Carpet Pad	420.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)				Fluorescent Parabolics & Recessed Indirect	6	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In			
VCT & Vinyl Sheet Flooring			None Required				Ceiling Mounted Fluorescent Light			None Required			
Wood & Laminate Floors			None Required				Downlights & Wall Washers - Compact Fluorescents			None Required			
Marble - Granite - Quarry Tile Floors			None Required										
Wall Cove & Base	92.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High				Switches with Plates			None Required			
							Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch			
Ceiling Tile - Standard with Suspended Grid			None Required				Receptacles with Plates	8	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A			
Ceiling Tile - Fire Rated with Suspended Grid	420.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid				Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A			
Ceiling - Gypsum Board on Metal Framing			None Required				Receptacles with Floor Boxes & Poke Thrus			None Required			
Ceiling Finish - Painting			None Required				Electric Rough-In Box with Conduit & Wire	16	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire			
							Special Purpose Receptacles			None Required			
Fiberglass Insulation	420	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick										
Acoustical Sound Batt	920	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick				Voice - Data Jacks, Plates & Cable			None Required			
							Additional Voice - Data Jacks, Plates & Cable			None Required			
Hollow Core Steel Door			None Required				Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String			
Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"										
Additional Door Hardware			None Required										
Additional Door Hardware			None Required										
Adder for SideLights			None Required										
Glazing Window Frames			None Required										

Kisent Budgetware & Estimating System

EZ Model File: Office - Auxiliary Rooms

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Program - 14

Project Name		New Library Building					
Description / Space		Computer Server IT Room				October 12, 2007	
Parameters	240.	SQFT	Area / Size	Project Breakdowns			
	10.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	9.	VLF	Ceiling Height	Location	Ground Floor		
	1.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure		
	70.	LNFT	Room Perimeter	Space Description	Computer Server IT Room		
Quantity / Multiplier		1.		Approx. Cost		\$12,926	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Wall Framing - Interior Metal Studs	700.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Glazing - Safety, Security & Misc Glass			None Required
Gypsum Board on Walls	700.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing				
Additional Gypsum Board on Walls			None Required	Casework 1			None Required
Beam & Soffit Framing with Gypsum Board			None Required	Casework 2			None Required
Column Framing with Gypsum Board			None Required	Casework 3			None Required
				Casework - Work Surface or Counter Top			None Required
Wall Finish - Paint & Wall Coverings	700.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface				
Additional Wall Finish - Paint & Wall Coverings			None Required	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
				Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"
Carpet Floor Covering	240.		None Required				
Carpet Pad	240.		None Required	Fluorescent Parabolics & Recessed Indirect	4	EACH	2' x 4' - 3 Lamp Commercial Direct / Indirect Fluorescent Lay In
VCT & Vinyl Sheet Flooring		SQFT	VCT - Vinyl Composite Tile Flooring - Solid Color - Medium Duty	Ceiling Mounted Fluorescent Light			None Required
Wood & Laminate Floors			None Required	Downlights & Wall Washers - Compact Fluorescents			None Required
Marble - Granite - Quarry Tile Floors			None Required				
Wall Cove & Base	70.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Switches with Plates			None Required
				Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch
Ceiling Tile - Standard with Suspended Grid			None Required	Receptacles with Plates	6	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A
Ceiling Tile - Fire Rated with Suspended Grid	240.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid	Additional Receptacles with Plates	4	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A
Ceiling - Gypsum Board on Metal Framing			None Required	Receptacles with Floor Boxes & Poke Thrus			None Required
Ceiling Finish - Painting			None Required	Electric Rough-In Box with Conduit & Wire	15	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire
				Special Purpose Receptacles	1	EACH	Twist-Lock Outlet with Box, Plate, 100' of EMT & Wire - L5-20R
Fiberglass Insulation	240	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick				
Acoustical Sound Batt	700	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Voice - Data Jacks, Plates & Cable			None Required
				Additional Voice - Data Jacks, Plates & Cable			None Required
Hollow Core Steel Door			None Required	Communication Rough-In Box & Conduit	4	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String
Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"				
Additional Door Hardware			None Required				
Additional Door Hardware			None Required				
Adder for SideLights			None Required				
Glazing Window Frames			None Required				

Kisent Budgetware & Estimating System

EZ Model File: Office - Auxiliary Rooms

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Program - 15	
Description / Space		Receiving / Loading Dock					October 12, 2007		
Parameters	240.	SQFT	Area / Size	Project Breakdowns					
	12.	VLF	Partition Height	Base / Options	00 - Base Estimate				
	20.	LNFT	Length of Dock	Location	Ground Floor				
	1.	EACH	Number of Overhead Doors	Dept. / Group	Support & Infrastructure				
	1.	EACH	Number of Personnel Doors	Space Description	Receiving / Loading Dock				
	70.	LNFT	Room Perimeter						
Quantity / Multiplier	1.				Approx. Cost	\$26,367			
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
CMU Wall - Standard Medium Weight			None Required	Stairs - CIP Concrete - Up to 54" Wide			None Required		
CMU Wall - Split Face Medium Weight	840.	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Split Face - 5% Openings	Railings for Stairs - Pipe	10	LNFT	1-1/2" Stair / Floor Mounted (2) Pipe Rail - Steel		
CMU Wall - Ground Burnished Face			None Required	Truck Dock Ladder			None Required		
CMU Wall - Split Rib Face			None Required						
Precast Concrete Wall Panels			None Required	Dock Bumper	2	EACH	Laminated Dock Bumper - 6" Thick - 12" H x 24" W		
				Dock Leveler - Manual	1	EACH	Manual Dock Leveler - Hinged Lip - 25,000 Lb. - 6' x 10'		
Wall Framing - Interior Metal Studs			None Required	Dock Leveler - Hydraulic			None Required		
Load Bearing Metal Stud Walls - 18 & 16 Gauge			None Required	Truck Restraint			None Required		
Gypsum Board on Walls			None Required	Truck Dock Traffic Light			None Required		
Wall Finish - Paint & Wall Coverings	840.	SQFT	Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface	Supply Air Diffuser with Flex Duct	1	EACH	24" x 24" Air Diffuser with Flex Duct & Tap		
Wall Cove & Base	70.	LNFT	Vinyl or Rubber Base - .080" Thick - 4" High	Return Air Grille with Flex Duct	1	EACH	18" x 18" Aluminum Return Grille with Flex Duct & Tap		
Ceiling - Gypsum Board on Metal Framing			None Required	Fluorescent Strip & Industrial Lights	3	EACH	4' Industrial Fluorescent - 2 Lamp HO (High Output)		
Ceiling Finish - Painting			None Required	Fluorescent Strips & Industrial Options			None Required		
Ceiling Tile - Standard with Suspended Grid			None Required	High Bay Light - HPS			None Required		
Ceiling Tile - Fire Rated with Suspended Grid			None Required	High Bay Light - MH			None Required		
				Low Bay Light - HPS & MH			None Required		
Overhead Door - Light Duty			None Required	High Bay & Low Bay Accessories			None Required		
Overhead Door - Medium Duty			None Required	Emergency Battery Light	1	EACH	Em. Light - Ni. Cad. Battery - Comm'l - Thermoplastic - (2) 12W Heads		
Overhead Door - Heavy Duty Non-Insulated			None Required	Exit Light			None Required		
Overhead Door - Heavy Duty Insulated	1	EACH	Overhead Door- Hvy. Duty Insulated-Manual- 8' x 10'						
Overhead Door - Telescoping			None Required	Switches with Plate	2	EACH	3 Way - 1 Gang Switch with Stainless Steel Plate		
Overhead Door - Add for Electric Hoist			None Required	Receptacles with Plate	5	EACH	Duplex Recept. with Stls. Stl. Plate - Spec Grade - 20A		
Bug Blocking Screen			None Required	Switches & Receptacles with WP Covers & Boxes	2	EACH	Single Gang Receptacle with WP Cover - Cast Iron FS Box - GFI Duplex		
Door Seal	1	EACH	Door Seal - Hypalon Coated - 10" Deep - 8' x 10' Opening	Electric Rough-In Box with Conduit & Wire	13	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St-SS Ftgs & Wire		
Hollow Core Steel Doors with Frames & Hardware	1	EACH	Single H.C. Steel Door with Frame & Lockset - 3'-0" x 7'-0"						
				Voice - Data Jacks, Plates & 150 Ft of Cable			None Required		
CIP Straight Concrete Walls	100	SQFT	Conc. Wall - Strt. Forms - 70 LBS/CUYD - 4000 PSI - 8"	Communication Rough-In Box & Conduit Only	1	EACH	Comm. Rough-In Box - 100' of 3/4" EMT St-SS Ftgs & Pull String		
Precast Concrete Stairs	1	EACH	Precast Stairs - Set with Crane - 5' Wide x 5 Risers						

Kiscent Budgetware & Estimating System

EZ Model File: Loading Dock

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Program - 16							
Project Name		New Library Building					
Description / Space		Maintenance Office			October 12, 2007		
Parameters	180.	SQFT	Area / Size	Project Breakdowns			
	10.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	9.	VLF	Ceiling Height	Location	Basement		
	1.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure		
	60.	LNFT	Room Perimeter	Space Description	Maintenance Office		
Quantity / Multiplier	1.			Approx. Cost	\$9,237		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Wall Framing - Interior Metal Studs	600.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Additional Door Hardware			None Required
Gypsum Board on Walls	600.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing	Adder for SideLights			None Required
Additional Gypsum Board on Walls			None Required	Glazing Window Frames			None Required
Beam & Soffit Framing with Gypsum Board			None Required	Glazing - Safety, Security & Misc Glass			None Required
Column Framing with Gypsum Board			None Required				
				Casework 1			None Required
Wall Finish - Wood Panel			None Required	Casework 2			None Required
Wall Finish - Paint & Wall Coverings	600.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface	Casework 3			None Required
Additional Wall Finish - Paint & Wall Coverings			None Required	Casework - Work Surface or Counter Top			None Required
Carpet Floor Covering	180.	SQFT	Carpet - Commercial Grade - Medium Duty	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
Carpet Pad	180.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"
VCT & Vinyl Sheet Flooring			None Required				
Wood & Laminate Floors			None Required	Fluorescent Parabolics & Recessed Indirect	3	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In
Marble - Granite - Quarry Tile Floors			None Required	Ceiling Mounted Fluorescent Light			None Required
Wall Cove & Base	61.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Downlights & Wall Washers - Compact Fluorescents			None Required
Ceiling Tile - Standard with Suspended Grid			None Required	Switches with Plates			None Required
Ceiling Tile - Fire Rated with Suspended Grid	180.	SQFT	15/16" T Bar Suspended Ceiling - Average Tile - 2' x 2' Fire Rated Grid	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch
Ceiling - Gypsum Board on Metal Framing			None Required	Receptacles with Plates	5	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A
Ceiling Finish - Painting			None Required	Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A
				Receptacles with Floor Boxes & Poke Thrus			None Required
Fiberglass Insulation	180	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Power Connection for Partition or Furniture			None Required
Acoustical Sound Batt	600	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Electric Rough-In Box with Conduit & Wire	10	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire
Hollow Core Steel Door			None Required	Voice - Data Jacks, Plates & Cable			None Required
Additional Hollow Core Steel Door			None Required	Additional Voice - Data Jacks, Plates & Cable			None Required
Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"	Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String
Additional Solid Core Wood Door			None Required	Communication Rough-In for Partition or Furniture			None Required
Additional Door Hardware			None Required				

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Program - 17						
Description / Space							October 12, 2007						
Parameters	420.	SQFT	Area / Size					Project Breakdowns					
	10.	VLF	Partition Height	Base / Options		00 - Base Estimate							
	9.	VLF	Ceiling Height	Location		Basement							
	1.	EACH	Number of Doors	Dept. / Group		Support & Infrastructure							
	92.	LNFT	Room Perimeter	Space Description		Basement Storage Room							
Quantity / Multiplier		1.			Approx. Cost		\$15,284						
System	Qty	U/M	Criteria Selection			System	Qty	U/M	Criteria Selection				
Wall Framing - Interior Metal Studs	920.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC			Glazing - Safety, Security & Misc Glass			None Required				
Gypsum Board on Walls	920.	SQFT	5/8" Standard Gypsum Board on Walls with Level 4 Finishing										
Additional Gypsum Board on Walls			None Required			Casework 1			None Required				
Beam & Soffit Framing with Gypsum Board			None Required			Casework 2			None Required				
Column Framing with Gypsum Board			None Required			Casework 3			None Required				
						Casework - Work Surface or Counter Top			None Required				
Wall Finish - Paint & Wall Coverings	920.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface										
Additional Wall Finish - Paint & Wall Coverings			None Required			Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap				
						Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"				
Carpet Floor Covering	420.	SQFT	Carpet - Commercial Grade - Medium Duty										
Carpet Pad	420.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)			Fluorescent Parabolics & Recessed Indirect	6	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In				
VCT & Vinyl Sheet Flooring			None Required			Ceiling Mounted Fluorescent Light			None Required				
Wood & Laminate Floors			None Required			Downlights & Wall Washers - Compact Fluorescents			None Required				
Marble - Granite - Quarry Tile Floors			None Required										
Wall Cove & Base	92.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High			Switches with Plates			None Required				
						Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch				
Ceiling Tile - Standard with Suspended Grid			None Required			Receptacles with Plates	8	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A				
Ceiling Tile - Fire Rated with Suspended Grid	420.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid			Additional Receptacles with Plates	1	EACH	2 Gang Iso-Gr. Duplex Recept. with Plastic Plate - Spec Grade - 20A				
Ceiling - Gypsum Board on Metal Framing			None Required			Receptacles with Floor Boxes & Poke Thrus			None Required				
Ceiling Finish - Painting			None Required			Electric Rough-In Box with Conduit & Wire	16	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire				
						Special Purpose Receptacles			None Required				
Fiberglass Insulation	420	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick										
Acoustical Sound Batt	920	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick			Voice - Data Jacks, Plates & Cable			None Required				
						Additional Voice - Data Jacks, Plates & Cable			None Required				
Hollow Core Steel Door			None Required			Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String				
Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset-Oak- 3'-0" x 6'-8" or 7'-0"										
Additional Door Hardware			None Required										
Additional Door Hardware			None Required										
Adder for SideLights			None Required										
Glazing Window Frames			None Required										

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 1

Project Name		New Library Building					
Description / Space		Main Lobby				October 12, 2007	
Parameters	450.	SQFT	Area / Size	Project Breakdowns			
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	12.	VLF	Ceiling Height	Location	Ground Floor		
	2.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure		
	95.	LNFT	Room Perimeter	Space Description	Main Lobby		
Quantity / Multiplier		1.		Approx. Cost		\$42,438	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Wall Framing - Interior Metal Studs	1,330.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Additional Door Hardware			None Required
Gypsum Board on Walls	1,330.	SQFT	5/8" Fire Resistant Gypsum Board on Walls with Level 4 Finishing	Adder for SideLights			None Required
Additional Gypsum Board on Walls	1,330.	SQFT	5/8" Fire Resistant Gypsum Board on Walls with Level 2 Finishing	Glazing Window Frames			None Required
Beam & Soffit Framing with Gypsum Board	300.	LNFT	Beam / Soffit - 5/8" Fire Res. Gyp. Bd. - Lvl 4 Fin. - Mtl Frame - Large	Glazing - Safety, Security & Misc Glass			None Required
Column Framing with Gypsum Board	60.	VLF	24" Sq. Column Frame - 3-5/8" Mtl Studs - 5/8" Fire Res. Gyp. Bd. - Lvl 4 Fin.				
				Supply Air Diffuser with Flex Duct	2	EACH	24" x 24" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
Wall Finish - Wood Panel			Not Selected	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 24" x 24"
Wall Finish - Paint & Wall Coverings	1,330.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface				
Additional Wall Finish - Paint & Wall Coverings			None Required	Fluorescent Parabolics & Recessed Indirect	7	EACH	2' x 4' - 2 Lamp 3" Parabolic Fluorescent Lay In
				Ceiling Mounted Fluorescent Light			None Required
Carpet Floor Covering			None Required	Downlights & Wall Washers - Compact Fluorescents	9	EACH	8" Comp. Fluor. Downlight - (2) 42W Lamp - Clear Open Reflector
Carpet Pad			None Required				
VCT & Vinyl Sheet Flooring	450.	SQFT	VCT - Vinyl Composite Tile Flooring - Solid Color - Heavy Duty	Switches with Plates			None Required
Wood & Laminate Floors			None Required	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Ceiling Mtd - Infrared - Self Contained
Marble - Granite - Quarry Tile Floors			Not Selected	Receptacles with Plates	5	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A
Wall Cove & Base	95.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Additional Receptacles with Plates			None Required
				Receptacles with Floor Boxes & Poke Thrus			None Required
Ceiling Tile - Standard with Suspended Grid			None Required	Electric Rough-In Box with Conduit & Wire	22	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St*Comp Ftgs & Wire
Ceiling Tile - Fire Rated with Suspended Grid			None Required				
Ceiling - Gypsum Board on Metal Framing	450	SQFT	5/8" Fire Rtd. Gyp. Bd. Suspended Ceiling - Mtl. Frame - Lvl 4 Finish	Voice - Data Jacks, Plates & Cable			Not Selected
Ceiling Finish - Painting	450	SQFT	Painting - Primer + 2 Finish Coats - Sprayer - Smooth Surface	Additional Voice - Data Jacks, Plates & Cable			None Required
				Communication Rough-In Box & Conduit	2	EACH	Comm. Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String
Fiberglass Insulation	450	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick				
Acoustical Sound Batt	1330	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick				
Hollow Core Steel Door	2	EACH	Double H.C. Steel Door + Frame, Panic Bar & Closer - 6'-0" x 8'-0"				
Additional Hollow Core Steel Door			None Required				
Solid Core Wood Door			None Required				
Additional Solid Core Wood Door			None Required				
Additional Door Hardware			None Required				

Kisent Budgetware & Estimating System

EZ Model File: Corridors & Lobbies

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

		Core - 1
Project Name	New Library Building	
Description / Space	Main Lobby	October 12, 2007
Comments and Clarifications		
<p>1. The owner will provide all interior potted plants and furnishings for the main lobby.</p> <p>2. Decorative upgrades for this area should be reviewed early in the design process.</p> <p>3. The owner will relocate a wall mounted information display board for this area.</p>		
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BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 2

Project Name		New Library Building					
Description / Space		Ground Floor Corridor				October 12, 2007	
Parameters	200.	SQFT	Area / Size	Project Breakdowns			
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	10.	VLF	Ceiling Height	Location	Ground Floor		
	2.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure		
	50.	LNFT	Room Perimeter	Space Description	Ground Floor Corridor		
Quantity / Multiplier	1.			Approx. Cost	\$17,399		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Wall Framing - Interior Metal Studs	700.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Additional Door Hardware			None Required
Gypsum Board on Walls	700.	SQFT	5/8" Fire Resistant Gypsum Board on Walls with Level 4 Finishing	Adder for SideLights			None Required
Additional Gypsum Board on Walls	700.	SQFT	5/8" Fire Resistant Gypsum Board on Walls with Level 2 Finishing	Glazing Window Frames			None Required
Beam & Soffit Framing with Gypsum Board			None Required	Glazing - Safety, Security & Misc Glass			None Required
Column Framing with Gypsum Board			None Required				
				Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
Wall Finish - Wood Panel			None Required	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"
Wall Finish - Paint & Wall Coverings	700.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface				
Additional Wall Finish - Paint & Wall Coverings			None Required	Fluorescent Parabolics & Recessed Indirect			None Required
				Ceiling Mounted Fluorescent Light	3	EACH	2' x 4' - 2 Lamp Acrylic Lens Fluorescent Lay In
Carpet Floor Covering			None Required	Downlights & Wall Washers - Compact Fluorescents			None Required
Carpet Pad			None Required				
VCT & Vinyl Sheet Flooring	200.	SQFT	VCT - Vinyl Composite Tile Flooring - Marble or Stone Pattern - Heavy Duty	Switches with Plates			None Required
Wood & Laminate Floors			None Required	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Ceiling Mtd - Infrared - Self Contained
Marble - Granite - Quarry Tile Floors			None Required	Receptacles with Plates	1	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A
Wall Cove & Base	50.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Additional Receptacles with Plates			None Required
				Receptacles with Floor Boxes & Poke Thrus			None Required
Ceiling Tile - Standard with Suspended Grid			None Required	Electric Rough-In Box with Conduit & Wire	5	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St*Comp Ftgs & Wire
Ceiling Tile - Fire Rated with Suspended Grid	200.	SQFT	15/16" T Bar Suspended Ceiling - Average Tile - 2' x 4' Fire Rated Grid				
Ceiling - Gypsum Board on Metal Framing			None Required	Voice - Data Jacks, Plates & Cable			None Required
Ceiling Finish - Painting			None Required	Additional Voice - Data Jacks, Plates & Cable			None Required
				Communication Rough-In Box & Conduit			None Required
Fiberglass Insulation	200	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick				
Acoustical Sound Batt	700	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick				
Hollow Core Steel Door	2	EACH	Double H.C. Steel Door + Frame, Panic Bar & Closer - 6'-0" x 8'-0"				
Additional Hollow Core Steel Door			None Required				
Solid Core Wood Door			None Required				
Additional Solid Core Wood Door			None Required				
Additional Door Hardware			None Required				

Kisent Budgetware & Estimating System

EZ Model File: Corridors & Lobbies

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 3

Project Name		New Library Building					
Description / Space		Mens Toilet Walls & Misc.				October 12, 2007	
Parameters	160.	SQFT	Area / Size	Project Breakdowns			
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	9.	VLF	Ceiling Height	Location	Ground Floor		
	1.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure		
	57.	LNFT	Room Perimeter	Space Description	Mens Toilet Walls & Misc.		
	10.	LNFT	Length of Counter				
Quantity / Multiplier		1.			Approx. Cost	\$21,537	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
CMU Interior Wall			None Required	Additional Hollow Core Steel Door			None Required
Wall Framing - Interior Metal Studs	798.	SQFT	Metal Stud Wall - 20 ga. Non-Load Bear. - 6" W - 16" OC	Solid Core Wood Door			None Required
Gypsum Board on Walls	798.	SQFT	5/8" Water Resistant Gypsum Board on Walls with Level 4 Finishing	Additional Solid Core Wood Door			None Required
Additional Gypsum Board on Walls			None Required	Additional Door Hardware	1	EACH	Overhead Door Holder / Stop - Heavy Duty
Beam & Soffit Framing with Gypsum Board	14.	LNFT	Beam / Soffit - 1/2" Gyp. Bd. - Mtl Frame - Lvl 4 Finish - Medium	Additional Door Hardware			None Required
Column Framing with Gypsum Board			None Required				
				Casework 1			None Required
Ceramic Tile Wall Covering	399.	SQFT	Ceramic Tile Wall - Common Stock - 6" x 6"	Casework 2			None Required
Wall Finish - Paint & Wall Coverings	399.	SQFT	Vinyl Wall Covering - 20 oz. Medium Weight - Decorative Pattern	Casework 3			None Required
Additional Wall Finish - Paint & Wall Coverings	798.	SQFT	Painting - Primer + 1 Finish Coat - Brush / Roller - Smooth Surface	Casework - Work Surface or Counter Top	10	LNFT	Epoxy Resin Work Surface / Counter Top - With Backsplash
Ceramic Tile Floor Covering	160.	SQFT	Ceramic Tile Floor - Common Stock - Group 4 (Hvy Duty)	Mirrors	2	EACH	Mirror - Standard with Angle Frame - 36" x 60"
VCT & Vinyl Sheet Flooring			None Required				
Carpet Floor Covering			None Required	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
Carpet Pad			None Required	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"
Marble - Granite - Quarry Tile Floors			None Required				
Terrazzo Floors			None Required	Fluorescent Parabolics & Recessed Indirect			None Required
				Ceiling Mounted Fluorescent Light	2	EACH	2' x 4' - 3 Lamp Acrylic Lens Fluorescent Lay In
Ceramic Tile Trim Pieces	57.	LNFT	Ceramic Tile Trim - Base - 4" High	Downlights & Wall Washers - Compact Fluorescents	3	EACH	6" Comp. Fluor. Downlight - (2) 26W Lamp - Clear Open Reflector
Wall Cove & Base			None Required				
				Switches with Plates			None Required
Ceiling Tile - Standard with Suspended Grid			None Required	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Ceiling Mtd - Infrared - Self Contained
Ceiling Tile - Fire Rated with Suspended Grid			None Required	Receptacles with Plates	1	EACH	GFI Recept. with Stls. Stil. Plate - Spec Grade - 20A
Ceiling - Gypsum Board on Metal Framing	160	SQFT	1/2" Water Res. Gyp. Bd. Suspended Ceiling - Mtl. Frame - Lvl 4 Finish	Additional Receptacles with Plates			None Required
Ceiling Finish - Painting	160	SQFT	Painting - Primer + 2 Finish Coats - Sprayer - Smooth Surface	Electric Rough-In Box with Conduit & Wire	7	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St' Comp Ftgs & Wire
Fiberglass Insulation	160	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Voice - Data Jacks, Plates & Cable			None Required
Acoustical Sound Batt	798	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Communication Rough-In Box & Conduit			None Required
Hollow Core Steel Door	1	EACH	Single H.C. Steel Door with Frame & Lockset - 4'-0" x 7'-0"				

Kiscent Budgetware & Estimating System

EZ Model File: Public Toilet

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 4

Project Name		New Library Building					
Description / Space		Mens Toilet Fixtures				October 12, 2007	
Parameters	2.	EACH	Lavatories	Project Breakdowns			
	2.	EACH	Water Closets	Base / Options	00 - Base Estimate		
	1.	EACH	Water Closets - Handicap	Location	Ground Floor		
	2.	EACH	Urinals	Dept. / Group	Support & Infrastructure		
		EACH	Drinking Fountains / Coolers	Space Description	Mens Toilet Fixtures		
	1.	EACH	Electric Hand Dryers				
Quantity / Multiplier	1.			Approx. Cost	\$19,354		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Lavatories - Counter Mounted	2.	EACH	Lavatory- Porc. Enamel C.I.- Counter Mtd. Std. Color- 20" X 17"				
Lavatories - Wall Mounted			None Required	Paper Towel Dispensers			None Required
Lavatory Faucets	2.	EACH	Lavatory Faucet - Automatic Sensor Operated - Decorative	Waste Receptacle			None Required
Lavatory Rough-In	2.	EACH	Counter Top Sink / Lavatory Rough-In - Copper Supply - C.I. Waste	Paper Towel Dispenser with Waste Receptacle	1	EACH	Towel Disp.-Waste Receptacle- Stls. Stl.- Surface Mtd.- 42" Tall
				Hand Dryer	1	EACH	Hand Dryer - Sensor Operated - Surface Mount - White
Water Closet Fixtures	2.	EACH	Water Closet - Back Outlet Bowl Only - Floor Mtd. - Standard	Electrical Connection to Motor - Equipment	1	EACH	Motor / Equip Connection - 208V/240V 2P - 20A (< 2 Hp)
Water Closet Fixtures - Handicap	1.	EACH	Water Closet - Back Outlet Bowl Only - Floor Mtd. - ADA Height	Electric Rough-In Box with Conduit & Wire	1	EACH	Rough In Box, Ring & 30' of 3/4" EMT - St'SS Figs & Wire
Grab Bars	1.	EACH	Grab Bar - Stainless Steel - Safety Grip Finish - 36"				
Water Closet Seats & Covers	3.	EACH	Toilet Seat - NO Cover - Antimicrobial Composition	Soap Dispenser	2	EACH	Soap Dispenser - Lavatory Mounted - Manual
Water Closet Flush Valves	3.	EACH	Exposed Flush Valve- Sensor Oper. - Top Spud - Water Closet	Toilet Seat Cover Dispenser			None Required
Water Closet Rough-In	3.	EACH	Floor Mount Water Closet Rough-In - Copper Supply - C.I. Waste	Toilet Tissue Dispenser			None Required
				Toilet Seat Cover & Tissue Dispenser	3	EACH	Combo.- Recessed- Seat Cover / Dual Tissue Dispenser
Urinal Fixtures	2.	EACH	Wall Hung Urinal - Blowout Flush - Vit. China - Std. Color	Tampon - Napkin Vendor			None Required
Urinal Flush Valves	2.	EACH	Exposed Flush Valve + Auto. Sensor / Oper. - Top Spud - Urinal				
Urinal Rough-In	2.	EACH	Wall Hung Urinal Rough-In - Carrier - Copper Supply - C.I. Waste	Baby Changing Stations			None Required
				Baby Changing Station Liner Dispenser			None Required
Water Coolers - Stainless Steel			None Required				
Water Coolers - Vinyl Clad & Polymer			None Required				
Drinking Fountains - Stainless Steel			None Required				
Drinking Fountains - Enamel Coated			None Required				
Drinking Fountains - Polymarble - Vit China - Cast Stone			None Required				
Drinking Fountain Remote Cooler			None Required				
Drinking Fountain - Water Cooler Rough-In			None Required				
Receptacles with Plate			None Required				
Electric Rough-In Box with Conduit & Wire			None Required				
Toilet Partition - Corner Unit	1	EACH	Toilet Partition- Enam. Stl.- Corner Unit- Triple Stall- (1) Handicap				
Toilet Partition - Wall to Wall			None Required				
Urinal Partition - Screen	1	EACH	Urinal Screen - Baked Enamel				

Kiscent Budgetware & Estimating System

EZ Model File: Public Toilet Fixtures

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 5

Project Name		New Library Building					
Description / Space		Womens Toilet Walls & Misc.				October 12, 2007	
Parameters	160.	SQFT	Area / Size	Project Breakdowns			
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	9.	VLF	Ceiling Height	Location	Ground Floor		
	1.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure		
	57.	LNFT	Room Perimeter	Space Description	Womens Toilet Walls & Misc.		
	10.	LNFT	Length of Counter				
Quantity / Multiplier	1.			Approx. Cost	\$22,737		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
CMU Interior Wall			None Required	Additional Hollow Core Steel Door			None Required
Wall Framing - Interior Metal Studs	798.	SQFT	Metal Stud Wall - 20 ga. Non-Load Bear. - 6" W - 16" OC	Solid Core Wood Door			None Required
Gypsum Board on Walls	798.	SQFT	5/8" Water Resistant Gypsum Board on Walls with Level 4 Finishing	Additional Solid Core Wood Door			None Required
Additional Gypsum Board on Walls			None Required	Additional Door Hardware	1	EACH	Overhead Door Holder / Stop - Heavy Duty
Beam & Soffit Framing with Gypsum Board	14.	LNFT	Beam / Soffit - 1/2" Gyp. Bd. - Mtl Frame - Lvl 4 Finish - Medium	Additional Door Hardware			None Required
Column Framing with Gypsum Board			None Required				
				Casework 1			None Required
Ceramic Tile Wall Covering	399.	SQFT	Ceramic Tile Wall - Common Stock - 6" x 6"	Casework 2			None Required
Wall Finish - Paint & Wall Coverings	399.	SQFT	Vinyl Wall Covering - 20 oz. Medium Weight - Decorative Pattern	Casework 3			None Required
Additional Wall Finish - Paint & Wall Coverings	798.	SQFT	Painting - Primer + 1 Finish Coat - Brush / Roller - Smooth Surface	Casework - Work Surface or Counter Top	10	LNFT	Epoxy Resin Work Surface / Counter Top - With Backsplash
Ceramic Tile Floor Covering	160.	SQFT	Ceramic Tile Floor - Common Stock - Group 4 (Hvy Duty)	Mirrors	2	EACH	Mirror - Standard with Angle Frame - 36" x 60"
VCT & Vinyl Sheet Flooring			None Required				
Carpet Floor Covering			None Required	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
Carpet Pad			None Required	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"
Marble - Granite - Quarry Tile Floors			None Required				
Terrazzo Floors			None Required	Fluorescent Parabolics & Recessed Indirect			None Required
				Ceiling Mounted Fluorescent Light	2	EACH	2' x 4' - 3 Lamp Acrylic Lens Fluorescent Lay In
Ceramic Tile Trim Pieces	57.	LNFT	Ceramic Tile Trim - Base - 4" High	Downlights & Wall Washers - Compact Fluorescents	3	EACH	6" Comp. Fluor. Downlight - (2) 26W Lamp - Clear Open Reflector
Wall Cove & Base			None Required				
				Switches with Plates			None Required
Ceiling Tile - Standard with Suspended Grid			None Required	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Ceiling Mtd - Infrared - Self Contained
Ceiling Tile - Fire Rated with Suspended Grid			None Required	Receptacles with Plates	1	EACH	GFI Recept. with Stls. Stil. Plate - Spec Grade - 20A
Ceiling - Gypsum Board on Metal Framing	160	SQFT	1/2" Water Res. Gyp. Bd. Suspended Ceiling - Mtl. Frame - Lvl 4 Finish	Additional Receptacles with Plates			None Required
Ceiling Finish - Painting	160	SQFT	Painting - Primer + 2 Finish Coats - Sprayer - Smooth Surface	Electric Rough-In Box with Conduit & Wire	7	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St'Comp Ftgs & Wire
Fiberglass Insulation	160	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Voice - Data Jacks, Plates & Cable			None Required
Acoustical Sound Batt	798	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Communication Rough-In Box & Conduit			None Required
Hollow Core Steel Door	1	EACH	Single H.C. Steel Door with Frame & Lockset - 4'-0" x 7'-0"				

Kiscent Budgetware & Estimating System

EZ Model File: Public Toilet

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 6

Project Name		New Library Building					
Description / Space		Womens Toilet Fixtures				October 12, 2007	
Parameters	2.	EACH	Lavatories	Project Breakdowns			
	3.	EACH	Water Closets	Base / Options	00 - Base Estimate		
	1.	EACH	Water Closets - Handicap	Location	Ground Floor		
		EACH	Urinals	Dept. / Group	Support & Infrastructure		
	1.	EACH	Drinking Fountains / Coolers	Space Description	Womens Toilet Fixtures		
	1.	EACH	Electric Hand Dryers				
Quantity / Multiplier		1.		Approx. Cost		\$21,278	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Lavatories - Counter Mounted	2.	EACH	Lavatory- Porc. Enamel C.I.- Counter Mtd. Std. Color- 20" X 17"				
Lavatories - Wall Mounted			None Required	Paper Towel Dispensers			None Required
Lavatory Faucets	2.	EACH	Lavatory Faucet - Automatic Sensor Operated - Decorative	Waste Receptacle			None Required
Lavatory Rough-In	2.	EACH	Counter Top Sink / Lavatory Rough-In - Copper Supply - C.I. Waste	Paper Towel Dispenser with Waste Receptacle	1	EACH	Towel Disp.-Waste Receptacle- Stls. Stl.- Surface Mtd.- 42" Tall
				Hand Dryer	1	EACH	Hand Dryer - Sensor Operated - Surface Mount - White
Water Closet Fixtures	3.	EACH	Water Closet - Back Outlet Bowl Only - Floor Mtd. - Standard	Electrical Connection to Motor - Equipment	1	EACH	Motor / Equip Connection - 208V/240V 2P - 20A (< 2 Hp)
Water Closet Fixtures - Handicap	1.	EACH	Water Closet - Back Outlet Bowl Only - Floor Mtd. - ADA Height	Electric Rough-In Box with Conduit & Wire	1	EACH	Rough In Box, Ring & 30' of 3/4" EMT - St*SS Ftgs & Wire
Grab Bars	1.	EACH	Grab Bar - Stainless Steel - Safety Grip Finish - 36"				
Water Closet Seats & Covers	4.	EACH	Toilet Seat - NO Cover - Antimicrobial Composition	Soap Dispenser	2	EACH	Soap Dispenser - Lavatory Mounted - Manual
Water Closet Flush Valves	4.	EACH	Exposed Flush Valve- Sensor Oper. - Top Spud - Water Closet	Toilet Seat Cover Dispenser			None Required
Water Closet Rough-In	4.	EACH	Floor Mount Water Closet Rough-In - Copper Supply - C.I. Waste	Toilet Tissue Dispenser			None Required
				Toilet Seat Cover & Tissue Dispenser	4	EACH	Combo.- Recessed- Seat Cover / Dual Tissue Dispenser
Urinal Fixtures			None Required	Tampon - Napkin Vendor	1	EACH	Tampon / Napkin Vendor
Urinal Flush Valves			None Required				
Urinal Rough-In			None Required	Baby Changing Stations			None Required
				Baby Changing Station Liner Dispenser			None Required
Water Coolers - Stainless Steel	1.	EACH	Stls. Stl. Water Cooler - Surf. Wall Mtd. - Two Station - ADA				
Water Coolers - Vinyl Clad & Polymer			None Required				
Drinking Fountains - Stainless Steel			None Required				
Drinking Fountains - Enamel Coated			None Required				
Drinking Fountains - Polymarble - Vit China - Cast Stone			None Required				
Drinking Fountain Remote Cooler			None Required				
Drinking Fountain - Water Cooler Rough-In	1	EACH	Wall Hung Wat.Cooler-Fountain Rough-In- Carrier- Cu. Supply- C.I. Waste				
Receptacles with Plate	1	EACH	GFI Recept. with Stls. Stl. Plate - Spec Grade - 20A				
Electric Rough-In Box with Conduit & Wire	1	EACH	Rough In Box, Ring & 30' of 3/4" EMT - St*SS Ftgs & Wire				
Toilet Partition - Corner Unit	1	EACH	Toilet Partition- Enam. Stl.- Corner Unit- Triple Stall- (1) Handicap				
Toilet Partition - Wall to Wall			None Required				
Urinal Partition - Screen			None Required				

Kiscent Budgetware & Estimating System

EZ Model File: Public Toilet Fixtures

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Core - 7	
Description / Space		Janitor Room					October 12, 2007		
Parameters	80.	SQFT	Area / Size	Project Breakdowns					
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate				
		VLF	Ceiling Height	Location	Ground Floor				
	1.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure				
	40.	LNFT	Room Perimeter	Space Description	Janitor Room				
Quantity / Multiplier	1.			Approx. Cost	\$12,664				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
CMU Interior Wall			None Required	Solid Core Wood Door	1	EACH	Single Wood Door, Frame & Lockset - Birch- 3'-0" x 6'-8" or 7'-0"		
Wall Framing - Interior Metal Studs	560.	SQFT	Metal Stud Wall - 20 ga. Non-Load Bear. - 6" W - 16" OC	Additional Door Hardware			None Required		
Gypsum Board on Walls	560.	SQFT	5/8" Water Resistant Gypsum Board on Walls with Level 4 Finishing						
Additional Gypsum Board on Walls			None Required	Casework 1	6	LNFT	Plastic Laminated Casework - Common Stock - Tall Storage		
Beam & Soffit Framing with Gypsum Board			None Required	Casework 2	6	LNFT	Plastic Laminated Casework - Common Stock - Shelving		
Column Framing with Gypsum Board			None Required	Casework 3			None Required		
				Casework - Work Surface or Counter Top			None Required		
Ceramic Tile Wall Covering	20.	SQFT	Ceramic Tile Wall - Common Stock - 6" x 6"						
Wall Finish - Paint & Wall Coverings	560.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface	Service - Mop Sink	1	EACH	Service / Mop Sink - Wall Mtd. - Enameled Cast Iron - 24" x 20"		
				Service - Mop Sink Faucet	1	EACH	Service Utility Faucet - Commercial Grade - Heavy Duty		
Ceramic Tile Floor Covering			None Required	Service - Mop Sink Rough-In	1	EACH	Wall Hung Sink Rough-In- Carrier-Copper Supply- PVC Waste		
VCT & Vinyl Sheet Flooring	80.	SQFT	VCT - Vinyl Composite Tile Flooring - Solid Color - Medium Duty						
Carpet Floor Covering			None Required	Supply Air Diffuser with Flex Duct	1	EACH	9" x 9" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap		
Carpet Pad			None Required	Return Air Grille	1	EACH	12" x 12" Aluminum Return Grille with Flex Duct & Tap		
Marble - Granite - Quarry Tile Floors			None Required						
Terrazzo Floors			None Required	Ceiling Mounted Fluorescent Light	1	EACH	2' x 4' - 2 Lamp Acrylic Lens Fluorescent Lay In		
				Fluorescent Strip & Industrial Lights			None Required		
Ceramic Tile Trim Pieces			None Required	Fluorescent Strips & Industrial Options			None Required		
Wall Cove & Base	40.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Downlights & Wall Washers - Compact Fluorescents			None Required		
Ceiling - Open & Grid Only			None Required	Switches with Plates			None Required		
Ceiling Tile - Standard with Suspended Grid			None Required	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch		
Ceiling Tile - Fire Rated with Suspended Grid	80	SQFT	15/16" T Bar Suspended Ceiling - Average Tile - 2' x 4' Fire Rated Grid	Receptacles with Plates	2	EACH	Duplex Recept. with Stls. Stl. Plate - Spec Grade - 20A		
Ceiling - Gypsum Board on Metal Framing			None Required	Additional Receptacles with Plates	2	EACH	GFI Recept. with Stls. Stl. Plate - Spec Grade - 20A		
Ceiling Finish - Painting			None Required	Electric Rough-In Box with Conduit & Wire	6	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St'Comp Ftgs & Wire		
Fiberglass Insulation	80	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	Voice - Data Jacks, Plates & Cable			None Required		
Acoustical Sound Batt	560	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 50' of 3/4" EMT St-SS Ftgs & Pull String		
Hollow Core Steel Door			None Required						

Kisient Budgetware & Estimating System

EZ Model File: Janitor Room

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 8

Project Name		New Library Building					
Description / Space		Ground Floor Elevator Lobby				October 12, 2007	
Parameters	440.	SQFT	Area / Size	Project Breakdowns			
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate		
	10.	VLF	Ceiling Height	Location	Ground Floor		
	2.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure		
	94.	LNFT	Room Perimeter	Space Description	Ground Floor Elevator Lobby		
Quantity / Multiplier		1.		Approx. Cost		\$27,049	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Wall Framing - Interior Metal Studs	1,316.	SQFT	Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	Additional Door Hardware			None Required
Gypsum Board on Walls	1,316.	SQFT	5/8" Fire Resistant Gypsum Board on Walls with Level 4 Finishing	Adder for SideLights			None Required
Additional Gypsum Board on Walls	1,316.	SQFT	5/8" Fire Resistant Gypsum Board on Walls with Level 2 Finishing	Glazing Window Frames			None Required
Beam & Soffit Framing with Gypsum Board			None Required	Glazing - Safety, Security & Misc Glass			None Required
Column Framing with Gypsum Board			None Required	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap
Wall Finish - Wood Panel			None Required	Return Air Grille	1	EACH	Aluminum Return Air Grille - Plenum No Duct - 18" x 18"
Wall Finish - Paint & Wall Coverings	1,316.	SQFT	Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface				
Additional Wall Finish - Paint & Wall Coverings			None Required	Fluorescent Parabolics & Recessed Indirect	7	EACH	2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In
				Ceiling Mounted Fluorescent Light			None Required
Carpet Floor Covering	440.	SQFT	Carpet - Commercial Grade - Medium Duty	Downlights & Wall Washers - Compact Fluorescents			None Required
Carpet Pad	440.	SQFT	Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)				
VCT & Vinyl Sheet Flooring			None Required	Switches with Plates			None Required
Wood & Laminate Floors			None Required	Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Ceiling Mtd - Infrared - Self Contained
Marble - Granite - Quarry Tile Floors			None Required	Receptacles with Plates	5	EACH	Duplex Receptacle with Plastic Plate - Spec Grade - 20A
Wall Cove & Base	94.	LNFT	Vinyl or Rubber Base - .125" Thick - 4" High	Additional Receptacles with Plates			None Required
				Receptacles with Floor Boxes & Poke Thrus			None Required
Ceiling Tile - Standard with Suspended Grid			None Required	Electric Rough-In Box with Conduit & Wire	13	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St*Comp Ftgs & Wire
Ceiling Tile - Fire Rated with Suspended Grid	440.	SQFT	15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid				
Ceiling - Gypsum Board on Metal Framing			None Required	Voice - Data Jacks, Plates & Cable			None Required
Ceiling Finish - Painting			None Required	Additional Voice - Data Jacks, Plates & Cable			None Required
				Communication Rough-In Box & Conduit			None Required
Fiberglass Insulation	440	SQFT	Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick				
Acoustical Sound Batt	1316	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick				
Hollow Core Steel Door	2	EACH	Double H.C. Steel Door + Frame, Panic Bar & Closer - 6'-0" x 8'-0"				
Additional Hollow Core Steel Door			None Required				
Solid Core Wood Door			None Required				
Additional Solid Core Wood Door			None Required				
Additional Door Hardware			None Required				

Kisent Budgetware & Estimating System

EZ Model File: Corridors & Lobbies

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Core - 9	
Description / Space		Main Mechanical Room					October 12, 2007		
Parameters	800.	SQFT	Area / Size		Project Breakdowns				
	14.	VLF	Partition Height		Base / Options	00 - Base Estimate			
		VLF	Ceiling Height		Location	Basement			
	2.	EACH	Number of Doors		Dept. / Group	Support & Infrastructure			
	127.	LNFT	Room Perimeter		Space Description	Main Mechanical Room			
Quantity / Multiplier	1.				Approx. Cost	\$30,987			
System	Qty	U/M	Criteria Selection		System	Qty	U/M	Criteria Selection	
CMU Interior Wall	1,778.	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Standard						
Wall Framing - Interior Metal Studs			None Required		Supply Air Diffuser with Flex Duct	2	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap	
Gypsum Board on Walls			None Required		Return Air Grille	2	EACH	18" x 18" Aluminum Return Grille with Flex Duct & Tap	
Additional Gypsum Board on Walls			None Required						
Beam & Soffit Framing with Gypsum Board			None Required		Ceiling Mounted Fluorescent Light			None Required	
Column Framing with Gypsum Board			None Required		Fluorescent Strip & Industrial Lights	13	EACH	4' Industrial Fluorescent - 2 Lamp	
					Fluorescent Strips & Industrial Options	13	EACH	Fixture Support - Jack Chain	
Wall Finish - Paint & Wall Coverings	1,778.	SQFT	Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface		Downlights & Wall Washers - Compact Fluorescents			None Required	
Additional Wall Finish - Paint & Wall Coverings			None Required		Emergency Battery Light	2	EACH	Em. Light - Ni. Cad. Battery - Comm'l - Thermoplastic - (2) 12W Heads	
					Exit Light			None Required	
Epoxy, Sealed & Painted Floors	800.	SQFT	Epoxy Sealer / Coating - Floor Finish - Medium Duty						
VCT & Vinyl Sheet Flooring			None Required		Switches with Plates			None Required	
Carpet Floor Covering			None Required		Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch	
Carpet Pad			None Required		Receptacles with Plates	3	EACH	Duplex Recept. with Stls. Stl. Plate - Spec Grade - 20A	
					Additional Receptacles with Plates	1	EACH	GFI Recept. with Stls. Stl. Plate - Spec Grade - 20A	
Wall Cove & Base	127.	LNFT	Vinyl or Rubber Base - .080" Thick - 4" High		Electric Rough-In Box with Conduit & Wire	33	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire	
Ceiling - Open & Grid Only	1.	****	Open Ceiling - Unfinished		Voice - Data Jacks, Plates & Cable			None Required	
Ceiling Tile - Standard with Suspended Grid			None Required		Communication Rough-In Box & Conduit			None Required	
Ceiling Tile - Fire Rated with Suspended Grid			None Required						
Ceiling - Gypsum Board on Metal Framing			None Required						
Ceiling Finish - Painting			None Required						
Fiberglass Insulation			None Required						
Acoustical Sound Batt			None Required						
Hollow Core Steel Door	2	EACH	Double H.C. Steel Door with Frame & Lockset - 6'-0" x 8'-0"						
Solid Core Wood Door			None Required						
Additional Door Hardware			None Required						
Adder for Transom	2	EACH	Double Door - Add for Transom Frame with Metal Panel						

Kisient Budgetware & Estimating System

EZ Model File: MEP Room

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Core - 10	
Description / Space		Main Electric Room					October 12, 2007		
Parameters	650.	SQFT	Area / Size		Project Breakdowns				
	14.	VLF	Partition Height		Base / Options	00 - Base Estimate			
		VLF	Ceiling Height		Location	Basement			
	2.	EACH	Number of Doors		Dept. / Group	Support & Infrastructure			
	115.	LNFT	Room Perimeter		Space Description	Main Electric Room			
Quantity / Multiplier	1.				Approx. Cost	\$33,363			
System	Qty	U/M	Criteria Selection		System	Qty	U/M	Criteria Selection	
CMU Interior Wall	1,610.	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Standard						
Wall Framing - Interior Metal Studs			None Required		Supply Air Diffuser with Flex Duct	4	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap	
Gypsum Board on Walls			None Required		Return Air Grille	4	EACH	18" x 18" Aluminum Return Grille with Flex Duct & Tap	
Additional Gypsum Board on Walls			None Required						
Beam & Soffit Framing with Gypsum Board			None Required		Ceiling Mounted Fluorescent Light			None Required	
Column Framing with Gypsum Board			None Required		Fluorescent Strip & Industrial Lights	11	EACH	4' Industrial Fluorescent - 2 Lamp	
					Fluorescent Strips & Industrial Options	11	EACH	Fixture Support - Jack Chain	
Wall Finish - Paint & Wall Coverings	1,610.	SQFT	Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface		Downlights & Wall Washers - Compact Fluorescents			None Required	
Additional Wall Finish - Paint & Wall Coverings			None Required		Emergency Battery Light	2	EACH	Em. Light - Ni. Cad. Battery - Comm'l - Thermoplastic - (2) 12W Heads	
					Exit Light			None Required	
Epoxy, Sealed & Painted Floors	650.	SQFT	Epoxy Sealer / Coating - Floor Finish - Medium Duty						
VCT & Vinyl Sheet Flooring			None Required		Switches with Plates			None Required	
Carpet Floor Covering			None Required		Switches - Occupancy Sensor	1	EACH	Occupancy Sensor - Wall Mtd - Infrared - with Switch	
Carpet Pad			None Required		Receptacles with Plates	3	EACH	Duplex Recept. with Stls. Stl. Plate - Spec Grade - 20A	
					Additional Receptacles with Plates			None Required	
Wall Cove & Base	115.	LNFT	Vinyl or Rubber Base - .080" Thick - 4" High		Electric Rough-In Box with Conduit & Wire	28	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Figs & Wire	
Ceiling - Open & Grid Only	1.	****	Open Ceiling - Unfinished		Voice - Data Jacks, Plates & Cable			None Required	
Ceiling Tile - Standard with Suspended Grid			None Required		Communication Rough-In Box & Conduit			None Required	
Ceiling Tile - Fire Rated with Suspended Grid			None Required						
Ceiling - Gypsum Board on Metal Framing			None Required						
Ceiling Finish - Painting			None Required						
Fiberglass Insulation			None Required						
Acoustical Sound Batt			None Required						
Hollow Core Steel Door	2	EACH	Double H.C. Steel Door with Frame & Lockset - 6'-0" x 8'-0"						
Solid Core Wood Door			None Required						
Additional Door Hardware			None Required						
Adder for Transom	1	EACH	Double Door - Add for Transom Frame with Metal Panel						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Core - 11	
Description / Space		Grounds Maintenance Room					October 12, 2007		
Parameters	320.	SQFT	Area / Size		Project Breakdowns				
	14.	VLF	Partition Height		Base / Options	00 - Base Estimate			
		VLF	Ceiling Height		Location	Ground Floor			
	2.	EACH	Number of Doors		Dept. / Group	Support & Infrastructure			
	80.	LNFT	Room Perimeter		Space Description	Grounds Maintenance Room			
Quantity / Multiplier	1.				Approx. Cost	\$21,022			
System	Qty	U/M	Criteria Selection		System	Qty	U/M	Criteria Selection	
CMU Interior Wall	1,120.	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Standard						
Wall Framing - Interior Metal Studs			None Required		Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap	
Gypsum Board on Walls			None Required		Return Air Grille	1	EACH	18" x 18" Aluminum Return Grille with Flex Duct & Tap	
Additional Gypsum Board on Walls			None Required						
Beam & Soffit Framing with Gypsum Board			None Required		Ceiling Mounted Fluorescent Light			None Required	
Column Framing with Gypsum Board			None Required		Fluorescent Strip & Industrial Lights	5	EACH	4' Industrial Fluorescent - 2 Lamp	
					Fluorescent Strips & Industrial Options	5	EACH	Fixture Support - Jack Chain	
Wall Finish - Paint & Wall Coverings	1,120.	SQFT	Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface		Downlights & Wall Washers - Compact Fluorescents			None Required	
Additional Wall Finish - Paint & Wall Coverings			None Required		Emergency Battery Light			None Required	
					Exit Light			None Required	
Epoxy, Sealed & Painted Floors	320.	SQFT	Epoxy Sealer / Coating - Floor Finish - Medium Duty						
VCT & Vinyl Sheet Flooring			None Required		Switches with Plates	2	EACH	3 Way - 2 Gang Switch with Stainless Steel Plate	
Carpet Floor Covering			None Required		Switches - Occupancy Sensor			None Required	
Carpet Pad			None Required		Receptacles with Plates			None Required	
					Additional Receptacles with Plates	3	EACH	GFI Recept. with Stls. Stl. Plate - Spec Grade - 20A	
Wall Cove & Base	80.	LNFT	Vinyl or Rubber Base - .080" Thick - 4" High		Electric Rough-In Box with Conduit & Wire	15	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Ftgs & Wire	
Ceiling - Open & Grid Only	1.	****	Open Ceiling - Unfinished		Voice - Data Jacks, Plates & Cable			None Required	
Ceiling Tile - Standard with Suspended Grid			None Required		Communication Rough-In Box & Conduit	1	EACH	Comm. Rough-In Box - 50' of 3/4" EMT St-SS Ftgs & Pull String	
Ceiling Tile - Fire Rated with Suspended Grid			None Required						
Ceiling - Gypsum Board on Metal Framing			None Required						
Ceiling Finish - Painting			None Required						
Fiberglass Insulation			None Required						
Acoustical Sound Batt			None Required						
Hollow Core Steel Door	2	EACH	Double H.C. Steel Door with Frame & Lockset - 6'-0" x 8'-0"						
Solid Core Wood Door			None Required						
Additional Door Hardware			None Required						
Adder for Transom			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Core - 12	
Description / Space		Main Communication Room					October 12, 2007		
Parameters	320.	SQFT	Area / Size	Project Breakdowns					
	14.	VLF	Partition Height	Base / Options	00 - Base Estimate				
		VLF	Ceiling Height	Location	Ground Floor				
	2.	EACH	Number of Doors	Dept. / Group	Support & Infrastructure				
	80.	LNFT	Room Perimeter	Space Description	Main Communication Room				
Quantity / Multiplier	1.			Approx. Cost	\$14,972				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
CMU Interior Wall			None Required						
Wall Framing - Interior Metal Studs	1,120.	SQFT	Metal Stud Wall - 20 ga. Non-Load Bear. - 6" W - 16" OC	Supply Air Diffuser with Flex Duct	1	EACH	12" x 12" Diffuser in 24" x 24" Lay In Panel + Flex Duct & Tap		
Gypsum Board on Walls	1,120.	SQFT	5/8" Fire Resistant Gypsum Board on Walls with Level 2 Finishing	Return Air Grille	1	EACH	18" x 18" Aluminum Return Grille with Flex Duct & Tap		
Additional Gypsum Board on Walls			None Required						
Beam & Soffit Framing with Gypsum Board			None Required	Ceiling Mounted Fluorescent Light			None Required		
Column Framing with Gypsum Board			None Required	Fluorescent Strip & Industrial Lights	5	EACH	4' Industrial Fluorescent - 2 Lamp		
				Fluorescent Strips & Industrial Options	5	EACH	Fixture Support - Jack Chain		
Wall Finish - Paint & Wall Coverings	1,120.	SQFT	Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface	Downlights & Wall Washers - Compact Fluorescents			None Required		
Additional Wall Finish - Paint & Wall Coverings			None Required	Emergency Battery Light			None Required		
				Exit Light			None Required		
Epoxy, Sealed & Painted Floors	320.	SQFT	Epoxy Sealer / Coating - Floor Finish - Medium Duty						
VCT & Vinyl Sheet Flooring			None Required	Switches with Plates	2	EACH	3 Way - 2 Gang Switch with Stainless Steel Plate		
Carpet Floor Covering			None Required	Switches - Occupancy Sensor			None Required		
Carpet Pad			None Required	Receptacles with Plates	4	EACH	Duplex Recept. with Stls. Stl. Plate - Spec Grade - 20A		
				Additional Receptacles with Plates			None Required		
Wall Cove & Base	80.	LNFT	Vinyl or Rubber Base - .080" Thick - 4" High	Electric Rough-In Box with Conduit & Wire	16	EACH	Rough In Box, Ring & 15' of 3/4" EMT - St*Comp Fgts & Wire		
Ceiling - Open & Grid Only	1.	****	Open Ceiling - Unfinished	Voice - Data Jacks, Plates & Cable			None Required		
Ceiling Tile - Standard with Suspended Grid			None Required	Communication Rough-In Box & Conduit			None Required		
Ceiling Tile - Fire Rated with Suspended Grid			None Required						
Ceiling - Gypsum Board on Metal Framing			None Required						
Ceiling Finish - Painting			None Required						
Fiberglass Insulation			None Required						
Acoustical Sound Batt	1120	SQFT	Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick						
Hollow Core Steel Door	2	EACH	Double H.C. Steel Door with Frame & Lockset - 6'-0" x 7'-0"						
Solid Core Wood Door			None Required						
Additional Door Hardware			None Required						
Adder for Transom			None Required						

Kisient Budgetware & Estimating System

EZ Model File: MEP Room

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 13

Project Name		New Library Building					
Description / Space		Mechanical Infrastructure				October 12, 2007	
Parameters	23,700.	SQFT	Area / Size	Project Breakdowns			
				Base / Options	00 - Base Estimate		
				Location	Shell & Structure		
				Dept. / Group	Support & Infrastructure		
				Space Description	Mechanical Infrastructure		
Quantity / Multiplier	1.			Approx. Cost	\$485,850		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Allowance for Entire Fire Protection	23,700.	SQFT	\$2.00 / SQFT Allowance for Entire Fire Protection System				
Allowance for Fire Pump			None Required				
Allowance for Wet Pipe Fire Protection			None Required				
Allowance for Dry Pipe Fire Protection			None Required				
Allowance for Entire Plumbing System	23,700.	SQFT	\$3.50 / SQFT Allowance for Entire Plumbing System				
Allowance for Plumbing Service Equipment & Pumps			None Required				
Allowance for Hot Water Equipment			None Required				
Allowance for Domestic Water Distribution			None Required				
Allowance for Sanitary Sewer Equipment			None Required				
Allowance for Sanitary Sewer Piping			None Required				
Allowance for Misc Plumbing Fixtures			None Required				
Allowance for Rain Water Drainage System			None Required				
Allowance for Entire HVAC System	23,700.	SQFT	\$15.00 / SQFT Allowance for Entire HVAC System				
Allowance for Chiller - Cooling Tower			None Required				
Allowance for HVAC Heating Equipment			None Required				
Allowance for AHU Equipment			None Required				
Allowance for RTU - Packaged HVAC Units			None Required				
Allowance for Exhaust Equipment			None Required				
Allowance for HVAC Ductwork			None Required				
Allowance for HVAC Controls			None Required				

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 14

Project Name		New Library Building					
Description / Space		Electrical Infrastructure				October 12, 2007	
Parameters	23,700.	SQFT	Area / Size	Project Breakdowns			
				Base / Options	00 - Base Estimate		
				Location	Shell & Structure		
				Dept. / Group	Support & Infrastructure		
				Space Description	Electrical Infrastructure		
Quantity / Multiplier	1.			Approx. Cost	\$151,675		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Allowance for Primary Electrical Service			None Required				
Allowance for Electrical Distribution	7,700.	SQFT	\$3.00 / SQFT Allowance for Electric Distribution Equip. & Feeders				
Allowance for Generator - Emergency Power	1.	LSUM	\$15,000 Generator / Emergency Power Allowance				
Allowance for Motor & Equipment Wiring	7,700.	SQFT	\$1.50 / SQFT Allowance for Motor & Equipment Wiring				
Allowance for Misc Core Lighting			None Required				
Allowance for Misc Additional Lighting	1.	LSUM	\$15,000.00 Allowance for Misc. Additional Lighting				
Allowance for Site Lighting	1.	LSUM	\$25,000.00 Allowance for Site Lighting				
Allowance for Switches & Lighting Control	1.	LSUM	\$5,000 Allowance for Misc. Switches & Lighting Controls				
Allowance for Receptacles & Misc Branch	23,700.	SQFT	\$0.50 / SQFT Allowance for Receptacles & Misc. Branch Wiring				
Allowance for Grounding	23,700.	SQFT	\$0.25 / SQFT Allowance for Grounding				
Allowance for Lightning Protection	7,700.	SQFT	\$0.25 / SQFT Allowance for TVSS / Lightning Protection				
Allowance for Communication Rough-In	23,700.	SQFT	\$0.75 / SQFT Allowance for Communication Rough-In				
Allowance for Voice - Data Cabling			None Required				
Allowance for Fire Alarm System	7700	SQFT	\$1.00 / SQFT Allowance for Fire Alarm System				
Allowance for Security Access Control System			None Required				
Allowance for CCTV System	23700	SQFT	\$0.50 / SQFT Allowance for Security CCTV System				
Allowance for Sound - Paging - Intercom System			Not Selected				
Allowance for Cable TV System			None Required				
Allowance for Clock System			Not Selected				

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

		Core - 14
Project Name	New Library Building	
Description / Space	Electrical Infrastructure	October 12, 2007
Comments and Clarifications		
<p>NOTE: Additional electrical infrastructure is included with the Main Library.</p>		
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BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 15

Project Name		New Library Building					
Description / Space		Freight Elevator				October 12, 2007	
Parameters	5,000.	LBS	Capacity of Elevator	Project Breakdowns			
	2.	EACH	Number of Stops	Base / Options	00 - Base Estimate		
	15.	VLF	Length of Travel	Location	Shell & Structure		
	1.	EACH	# of Elevators in Group	Dept. / Group	Support & Infrastructure		
				Space Description	Freight Elevator		
Quantity / Multiplier	1.			Approx. Cost	\$103,048		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Hydraulic Freight Elevators - 4000 to 8000 LBS	1.	EACH	Freight Elevator - Hydraulic - 5000 LB - 2 Stops - 50 FPM				
Hydraulic Freight Elevators - 10000 to 20000 LBS			None Required	Cast In Place Straight Concrete Walls			None Required
Electric Freight Elevators - 4000 to 6000 LBS			None Required				
Electric Freight Elevators - 8000 to 12000 LBS			None Required	Wall Framing - Interior Metal Studs			None Required
Electric Freight Elevators - 15000 & 20000 LBS			None Required	Gypsum Board on Walls			None Required
Additional Freight Elevator Stops & Vertical Travel			None Required	Shaft Wall Framing with Gypsum & Core Board	840	SQFT	Shaft Wall - 2-1/2" CT Studs - 1" Core Bd - (1) 5/8" FR Gyp. Bd. 1 Side
Cap Upgrades for Freight Elevator			None Required				
				Painting - Walls & Ceilings	840	SQFT	Painting - Primer + 2 Finish Coats - Sprayer - Smooth Surface
Hydraulic Holed Passenger Elevators			None Required				
Hydraulic Holeless Passenger Elevators			None Required	Sump Pumps - Standard	1	EACH	Pedestal Sump Pump - Cast Iron / Steel - 1/2 HP
Electric Passenger Elevators Up to 7 Stops			None Required				
Electric Passenger Elevators - 8 to 20 Stops			None Required	Electric Feeder & Connection to Elevator	1	EACH	100' Long - 60A IMC Feeder, Encl. ST Brkr. & Elevator Conn.
Additional Passenger Elev Stops & Vertical Travel			None Required	Electric Connection to Elevator Lighting	1	EACH	Connect Elev. Lgts. + Sw & 100' 3/4" EMT DC*SS Ftgs & Wire
Cap Upgrades for Passenger Elevator			None Required				
				Elevator Pit Receptacle	1	EACH	1 Gang Receptacle with WP Cover - Cast Iron FS Box - GFI Duplex
Hydraulic Service / Hospital Elevators			None Required	Elevator Pit & Shaft Utility Light	1	EACH	Compact Fluorescent Light - Vapor-Tite "Jelly Jar" with Guard
Electric Service / Hospital Elevators - 5000 to 8000 LBS			None Required	Elevator Pit & Shaft Light Switch	1	EACH	1 Gang Switch with WP Cover - Cast Iron FS Box - SPST 20A
Electric Service/Hospital Elevators- 10000 & 12000 LB			None Required	Electric Rough-In Box with Conduit & Wire	3	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St*SS Ftgs & Wire
Additional Serv./Hosp. Elev Stops & Vert. Travel			None Required				
Cap Upgrades for Service / Hospital Elevator			None Required	Elevator Shaft Smoke Detector	1	EACH	Fire Alarm Aux. Cont. Smoke Det. + Box, 30' of 3/4" EMT & Cable
				Elevator Shaft Heat Detector	1	EACH	Fire Alarm Aux. Cont. Heat Det. + Box, 30' of 3/4" EMT & Cable
Add for Grouped Elevator Controls			None Required				
Elevator Pit Excavation	1	EACH	Pit Excavation - Single Hydraulic Elevator - 4000 LB to 6000 LB				
Elevator Pit Construction	1	EACH	Elevator Pit Construction - Single Hydraulic - 4000 LB to 6000 LB				
CMU Wall - Standard Light Weight			None Required				
CMU Wall - Standard Medium Weight	840	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Standard - 5% Openings				
CMU Wall - Split Face Light Weight			None Required				
CMU Wall - Split Face Medium Weight			None Required				

Kisient Budgetware & Estimating System

EZ Model File: Elevators

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Core - 16

Project Name		New Library Building					
Description / Space		Elevator Machine Room				October 12, 2007	
Parameters	120.	SQFT	Size (Area) of Room	Project Breakdowns			
	14.	VLF	Height of Walls	Base / Options	00 - Base Estimate		
	49.	LNFT	Perimeter Wall Length	Location	Ground Floor		
				Dept. / Group	Support & Infrastructure		
				Space Description	Elevator Machine Room		
Quantity / Multiplier		1.		Approx. Cost		\$13,766	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Footings - Continuous NO Reinforcing			None Required	Emergency Battery Light			None Required
Footings - Continuous with Reinforcing	49.	LNFT	Contin. Footing - With Forms - Reinf. 3000 PSI - 24" x 24"				
				Switches with Plate	1	EACH	SPST - 1 Gang Switch with Stainless Steel Plate
CMU Wall - Standard Light Weight			None Required	Switches - Occupancy Sensor			None Required
CMU Wall - Standard Medium Weight	686.	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Standard - No Openings	Receptacles with Plate	1	EACH	GFI Recept. with Stls. Stl. Plate - Spec Grade - 20A
CMU Wall - Split Face Light Weight			None Required	Electric Rough-In Box with Conduit & Wire	6	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St'SS Ftgs & Wire
CMU Wall - Split Face Medium Weight			None Required				
CMU Wall - Ground Burnished Face			None Required	Elevator Smoke Detector	1	EACH	Fire Alarm Aux. Cont. Smoke Det. + Box, 30' of 3/4" EMT & Cable
				Elevator Heat Detector	1	EACH	Fire Alarm Aux. Cont. Heat Det. + Box, 30' of 3/4" EMT & Cable
Cast In Place Straight Concrete Walls			None Required				
				Voice - Data Jacks, Plates & Cable	1	EACH	Voice/Data Plate + (1)Cat 3 Jack & 150' Cable
Wall Framing - Interior Metal Studs			None Required	Communication Rough-In Box & Conduit Only	1	EACH	Comm. Rough-In Box - 100' of 3/4" EMT St-SS Ftgs & Pull String
Gypsum Board on Walls			None Required				
Ceiling - Open & Grid Only	120.	****	Open Ceiling - Unfinished				
Ceiling - Gypsum Board on Metal Framing			None Required				
Ceiling Tile - Fire Rated with Suspended Grid			None Required				
Painting - Walls & Ceilings	686.	SQFT	Painting - Primer + 2 Finish Coats - Sprayer - Rough Surface				
Fire Rated Doors with Hardware	1	EACH	Double Fire Door - Steel 18 ga. - Full Panel - 6'-0" x 6'-8" or 7'-0"				
Hollow Core Steel Doors with Frames & Hardware			None Required				
Wood Doors with Frames & Hardware			None Required				
Supply Air Diffuser with Flex Duct	1	EACH	18" x 18" Air Diffuser with Flex Duct & Tap				
Return Air Grille	1	EACH	18" x 18" Aluminum Return Grille with Flex Duct & Tap				
Fluorescent Strip & Industrial Lights	2	EACH	4' Industrial Fluorescent - 2 Lamp				
Fluorescent Strips & Industrial Options	2	EACH	Fixture Support - Jack Chain				
Ceiling Mounted Fluorescent Light			None Required				

Kisient Budgetware & Estimating System

EZ Model File: Elevator Machine Room

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 1
Description / Space		Main Foundation					October 12, 2007	
Parameters	21,100.	SQFT	Foundation Area	Project Breakdowns				
	650.	LNFT	Perimeter of Foundation	Base / Options	00 - Base Estimate			
	625.	SQFT	Typical Bay Size	Location	Shell & Structure			
	100.	LNFT	Length of Foundation Wall	Dept. / Group	Support & Infrastructure			
	5.	VLF	Height of Foundation Wall	Space Description	Main Foundation			
Quantity / Multiplier	1.			Approx. Cost	\$230,159			
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	
Allowance for Complete Foundation			None Required	Sand Base for Foundations			None Required	
				Stone Base for Foundations			None Required	
Continuous Footings - NO Reinforcing			None Required					
Additional Continuous Footings - NO Reinforcing			None Required	Footing & Foundation Wall Excavation	1705	LNFT	Footing & Foundation Wall Excavation - 4' Wide x 6' Deep	
				Foundation Mat Excavation			None Required	
Continuous Footings with Reinforcing	1,055.	LNFT	Contin. Footing - With Forms - Reinf. 3000 PSI - 24" x 18"					
Additional Continuous Footings with Reinforcing			None Required	Footing & Foundation Backfill	1705	LNFT	Foundation Backfill - 1/2 On Site Dirt - 1/2 Stone - Up to 5' Deep	
				Additional Foundation Backfill			None Required	
Spread Column Footings	34.	EACH	Column Footing - Rebar Reinf. - 3000 PSI - 10'-0" x 10'-0" x 36"					
Additional Spread Column Footings			None Required	Dewatering Pumps			Not Selected	
				Dewatering Sump Holes			None Required	
Grade Beams - 3000 & 3500 PSI			None Required	Dewatering Wellpoint System - Installation			None Required	
Additional Grade Beams - 3000 & 3500 PSI			None Required	Dewatering Wellpoint System - Operating Cost			None Required	
Grade Beams - 4000 & 4500 PSI	650.	LNFT	Grade Beam - 150 LB / CUYD Reinf. - 4000 PSI - 24" x 36"					
Additional Grade Beams - 4000 & 4500 PSI			None Required	Allowance for Miscellaneous Foundation Work			None Required	
Grade Beams - 5000 PSI			None Required					
Additional Grade Beams - 5000 PSI			None Required	Allowance for Slurry Wall			None Required	
Grade Beams - 6000 PSI			None Required	Allowance for Underpinning Foundation			None Required	
Additional Grade Beams - 6000 PSI			None Required					
Foundation Walls	500	SQFT	Foundation Wall - 140 LBS/CUYD Reinf. - 4500 PSI - 12" Thick					
Additional Foundation Walls			None Required					
Concrete Piers			None Required					
Additional Concrete Piers			None Required					
Foundation Mats or Structural Mats			None Required					
Additional Foundation Mats or Structural Mats			None Required					
Foundation Mats - Add for Sloped or Unique			None Required					

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 2
Description / Space		Optional Foundation Work					October 12, 2007	
Parameters		EACH	Steel H Piles	Project Breakdowns				
		EACH	Steel Pipe Piles	Base / Options	00 - Base Estimate			
		EACH	Precast Concrete Piles	Location	Shell & Structure			
		EACH	Caissons	Dept. / Group	Support & Infrastructure			
		EACH	Piling Tests	Space Description	Optional Foundation Work			
		EACH	Pile Caps					
Quantity / Multiplier	1.			Approx. Cost				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	
Driven Steel Pile Equipment Mobilization			None Required					
				Steel Sheet Piling Mobilization			None Required	
Driven Steel H Piles			Not Selected	Steel Sheet Piling			Not Selected	
Additional Driven Steel H Piles			None Required					
				Excavation Required for Pilings & Caissons			Not Selected	
Driven Steel Pipe Piles			Not Selected	Backfill Required for Pilings & Caissons			None Required	
Additional Driven Steel Pipe Piles			None Required					
Driven Concrete Pile Equipment Mobilization			None Required					
Driven Precast Concrete Piles			Not Selected					
Additional Driven Precast Concrete Piles			None Required					
Bored Caisson Equipment Mobilization			None Required					
Bored Caisson Shafts			Not Selected					
Bored Caisson Bells for Shafts Up to 4'-0"			Not Selected					
Bored Caisson Bells for Shafts Over 4'-0"			None Required					
Additional Bored Caisson Shafts			None Required					
Bored Caisson Bells for Shafts Up to 4'-0"			None Required					
Bored Caisson Bells for Shafts Over 4'-0"			None Required					
Pile Testing			Not Selected					
Additional Pile Testing			None Required					
Pile Caps - Up to 5'-0" Square			Not Selected					
Additional Pile Caps - Up to 5'-0" Square			None Required					
Pile Caps - Over 5'-0" Square			None Required					
Additional Pile Caps - Over 5'-0" Square			None Required					

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Shell - 3
Description / Space							October 12, 2007
Parameters	2,500.	SQFT	Basement or Slab Area	Project Breakdowns			
	225.	LNFT	Basement or Slab Perimeter	Base / Options	00 - Base Estimate		
	10.	VLF	Depth of Basement	Location	Basement		
				Dept. / Group	Support & Infrastructure		
				Space Description	Partial Basement		
Quantity / Multiplier	1.			Approx. Cost	\$107,791		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Basement - Slab Excavation	972.	CUYD	Basement Excav. - 5 Mile Haul Off - No Shoring - Medium Area	Dewatering Sump Holes			None Required
Steel Sheet Piling Mobilization			None Required				
Steel Sheet Piling			None Required				
Slab On Grade - Sand Base	2,500.	SQFT	Sand Fill Under Slab On Grade - 6"				
Slab On Grade - Stone Base	2,500.	SQFT	Stone Fill Under Slab On Grade - 6"				
Slab On Grade - 3000 PSI			None Required				
Slab On Grade - 3500 PSI			None Required				
Slab On Grade - 4000 PSI	2,500.	SQFT	Slab On Grade - Rebar Reinf. - 4000 PSI - Trowel Finish - 8"				
Slab On Grade - 4500 PSI			None Required				
Slab On Grade - 5000 PSI			None Required				
Slab On Grade - Add for Sloped or Unique			None Required				
CIP Straight Concrete Walls	2,250.	SQFT	Conc. Wall - Strt. Forms - 70 LBS/CUYD - 4000 PSI - 8"				
Additional CIP Straight Concrete Walls			None Required				
CIP Curved Concrete Walls			None Required				
Additional CIP Curved Concrete Walls			None Required				
Basement - Slab Backfill	225	LNFT	Basement Backfill - 1/2 On Site Dirt - 1/2 Stone - 10' to 15' Deep				
Additional Basement - Slab Backfill			None Required				
Basement Wall Waterproofing	2250	SQFT	Bitum. Asphalt Waterproofing - Sprayed & Brushed - Thick Coating				
Additional Basement Wall Waterproofing	2250	SQFT	Soil Sheet Drain Board - Polystyrene with Filter - 2"				
Basement Perimeter Drain Pipe	225	LNFT	Single Wall HDPE Pipe - Flexible - Perforated + Filter Sock - 10"				
Under Slab Drain Pipe			None Required				
Dewatering Pumps			None Required				

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Shell - 4
Description / Space							October 12, 2007
Parameters	18,600.	SQFT	Basement or Slab Area	Project Breakdowns			
	500.	LNFT	Basement or Slab Perimeter	Base / Options	00 - Base Estimate		
	1.	VLF	Depth of Basement	Location	Ground Floor		
				Dept. / Group	Support & Infrastructure		
				Space Description	Slab on Grade - NO Basement		
Quantity / Multiplier	1.			Approx. Cost	\$205,974		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Basement - Slab Excavation			None Required	Dewatering Sump Holes			None Required
Steel Sheet Piling Mobilization			None Required				
Steel Sheet Piling			None Required				
Slab On Grade - Sand Base	18,600.	SQFT	Sand Fill Under Slab On Grade - 6"				
Slab On Grade - Stone Base	18,600.	SQFT	Stone Fill Under Slab On Grade - 6"				
Slab On Grade - 3000 PSI			None Required				
Slab On Grade - 3500 PSI			None Required				
Slab On Grade - 4000 PSI	18,600.	SQFT	Slab On Grade - Rebar Reinf. - 4000 PSI - Trowel Finish - 6"				
Slab On Grade - 4500 PSI			None Required				
Slab On Grade - 5000 PSI			None Required				
Slab On Grade - Add for Sloped or Unique			None Required				
CIP Straight Concrete Walls			None Required				
Additional CIP Straight Concrete Walls			None Required				
CIP Curved Concrete Walls			None Required				
Additional CIP Curved Concrete Walls			None Required				
Basement - Slab Backfill	500	LNFT	Basement Backfill - 1/2 On Site Dirt - 1/2 Stone - Up to 5' Deep				
Additional Basement - Slab Backfill			None Required				
Basement Wall Waterproofing			None Required				
Additional Basement Wall Waterproofing			None Required				
Basement Perimeter Drain Pipe			None Required				
Under Slab Drain Pipe			None Required				
Dewatering Pumps			None Required				

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 5
Description / Space		Ground Floor Above Basement Steel Frame					October 12, 2007	
Parameters	2,500.	SQFT	Size (Area) of Building	Project Breakdowns				
	12.	LBS	Avg. LBS of Steel per Building Area	Base / Options	00 - Base Estimate			
	225.	LNFT	Perimeter of Floor (Average)	Location	Ground Floor			
	1.	EACH	Number of Floors	Dept. / Group	Support & Infrastructure			
				Space Description	Ground Floor Above Basement Steel Frame			
Quantity / Multiplier	1.			Approx. Cost	\$51,575			
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	
Structural Steel - Up to 5 Stories - Basic Design			None Required					
Structural Steel - Up to 5 Stories - Standard Design	2,500.	SQFT	Structural Steel - Standard Design - 1 to 2 Stories - 12 LBS / SQFT					
Structural Steel - Up to 5 Stories - Standard + Accents			None Required					
Structural Steel - Up to 5 Stories - Special Design			None Required					
Structural Steel - Up to 5 Stories - Elaborate Design			None Required					
Structural Steel - Over 5 Stories - Standard Design			None Required					
Structural Steel - Over 5 Stories - Standard + Accents			None Required					
Structural Steel - Over 5 Stories - Special Design			None Required					
Structural Steel - Over 5 Stories - Elaborate Design			None Required					
Metal Deck - Form Deck			None Required					
Metal Deck - Rib Deck			None Required					
Composite Metal Deck	2,500.	SQFT	18 Ga. x 2" D - Composite Metal Deck with Crane & Welder					
Cellular Metal Deck			None Required					
Metal Deck Adder for Acoustic Deck			None Required					
Metal Deck Edge - Pour Stop			None Required					
Fireproofing Steel per Building Area - Mineral Wool	2,500.	SQFT	Fireproofing - 1" Min. Wool - Entire Steel Structure - Std. Design					
Add'l Fireproofing Steel per Building Area - Mineral Wool			None Required					
Fireproofing Steel per Building Area - Vermiculite			None Required					
Add'l Fireproofing Steel per Building Area - Vermiculite			None Required					
Fireproofing Steel per Building Area - Intumescent			None Required					
Add'l Fireproofing Steel per Building Area - Intumescent			None Required					

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Shell - 6

Project Name		New Library Building					
Description / Space		Ground Floor Above Basement Concrete Slab				October 12, 2007	
Parameters	2,500.	SQFT	Elevated Floor Area	Project Breakdowns			
	25.	LNFT	Avg. Space Between Columns	Base / Options	00 - Base Estimate		
	12.	VLF	Average Height Floor to Floor	Location	Ground Floor		
				Dept. / Group	Support & Infrastructure		
				Space Description	Ground Floor Above Basement Concrete Slab		
Quantity / Multiplier	1.			Approx. Cost	\$15,610		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Concrete Columns - 3500 PSI			None Required	Elevated Slab Blockout	500	LNFT	Elevated Slab - Blockout Edge Form - 6" Deep
Concrete Columns - 4000 PSI			None Required	Elevated Slab Depression			None Required
Concrete Columns - 4500 PSI			None Required				
Concrete Columns - Add For Capitals			None Required	Precast Concrete Planks			None Required
				Additional Precast Concrete Planks			None Required
Concrete Beams - CIP - 3500 PSI			None Required	Precast Concrete Single & Double Tees			None Required
Concrete Beams - CIP - 4000 PSI			None Required	Precast Concrete Columns & Beams			None Required
Concrete Beams - CIP - 4500 PSI			None Required	Additional Precast Concrete Columns & Beams			None Required
Concrete Shear Walls			None Required	Site Precast - Tilt Up Walls			None Required
CIP Straight Concrete Walls			None Required	Site Precast - Tilt Up Wall Options			None Required
CIP Curved Concrete Walls			None Required	Site Precast Columns & Beams			None Required
				Additional Site Precast Columns & Beams			None Required
Elevated Flat Concrete Slab - CIP			None Required				
Elevated Slab Drop Panels			None Required	Concrete Topping			None Required
Elevated Slab on Deck/Plank - WWF- 3000 & 3500 PSI			None Required				
Elevated Slab on Deck/Plank - WWF- 4000 to 5000 PSI	2,500.	SQFT	Elevated Slab on Deck - 4x4 WWF - 4000 PSI - Trowel Fin. - 5-1/2"				
Elevated Slab on Deck/Plank - Rebar- 3000 & 3500 PSI			None Required				
Elevated Slab on Deck/Plank - Rebar- 4000 to 5000 PSI			None Required				
Elevated One-Way Slab - 4000 PSI			None Required				
Elevated One-Way Slab - 4500 PSI			None Required				
Elevated One-Way Slab - 5000 PSI			None Required				
Elevated Two-Way Slab - 4000 PSI			None Required				
Elevated Two-Way Slab - 4500 PSI			None Required				
Elevated Two-Way Slab - 5000 PSI			None Required				

Kisient Budgetware & Estimating System

EZ Model File: Elevated Concrete Floors

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Shell - 8

Project Name		New Library Building					
Description / Space		Roof Concrete & Plank				October 12, 2007	
Parameters	21,100.	SQFT	Roof Area	Project Breakdowns			
		LNFT	Avg. Space Between Columns	Base / Options	00 - Base Estimate		
		VLF	Height From Floor Below	Location	Shell & Structure		
				Dept. / Group	Support & Infrastructure		
				Space Description	Roof Concrete & Plank		
Quantity / Multiplier	1.			Approx. Cost	\$98,326		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Concrete Columns - 3500 PSI			None Required	Elevated Slab Blockout			None Required
Concrete Columns - 4000 PSI			None Required	Elevated Slab Depression			None Required
Concrete Columns - 4500 PSI			None Required				
Concrete Columns - Add For Capitals			None Required	Precast Concrete Planks			None Required
				Additional Precast Concrete Planks			None Required
Concrete Beams - CIP - 3500 PSI			None Required	Precast Concrete Single & Double Tees			None Required
Concrete Beams - CIP - 4000 PSI			None Required	Precast Concrete Columns & Beams			None Required
Concrete Beams - CIP - 4500 PSI			None Required	Additional Precast Concrete Columns & Beams			None Required
Concrete Shear Walls			None Required	Site Precast Columns & Beams			None Required
CIP Straight Concrete Walls			None Required	Additional Site Precast Columns & Beams			None Required
CIP Curved Concrete Walls			None Required				
				Concrete Topping			None Required
Elevated Flat Concrete Slab - CIP			None Required				
Elevated Slab Drop Panels			None Required				
Elevated Slab on Deck/Plank - WWF- 3000 & 3500 PSI	21,100.	SQFT	Elevated Slab on Deck - 6x6 WWF - 3000 PSI - Trowel Fin. - 4-1/2"				
Elevated Slab on Deck/Plank - WWF- 4000 to 5000 PSI			None Required				
Elevated Slab on Deck/Plank - Rebar- 3000 & 3500 PSI			None Required				
Elevated Slab on Deck/Plank - Rebar- 4000 to 5000 PSI			None Required				
Elevated One-Way Slab - 4000 PSI			None Required				
Elevated One-Way Slab - 4500 PSI			None Required				
Elevated One-Way Slab - 5000 PSI			None Required				
Elevated Two-Way Slab - 4000 PSI			None Required				
Elevated Two-Way Slab - 4500 PSI			None Required				
Elevated Two-Way Slab - 5000 PSI			None Required				

Kiscent Budgetware & Estimating System

EZ Model File: Roof Concrete Structure

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 9
Description / Space		Roofing					October 12, 2007	
Parameters	21,100.	SQFT	Size (Area) of Roof	Project Breakdowns				
	654.	LNFT	Perimeter Length of Roof	Base / Options	00 - Base Estimate			
	1.	EACH	Number of Roof Hatches	Location	Shell & Structure			
	4.	EACH	Number of Roof Vents	Dept. / Group	Support & Infrastructure			
	3.	EACH	Number of Roof Curbs	Space Description	Roofing			
	400.	SQFT	Area of Walkway or Pavers					
Quantity / Multiplier	1.			Approx. Cost	\$177,828			
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	
Allowance for Complete Roofing			None Required	Shingle & Slate Roof Underlayments			None Required	
Green Roof Allowance			None Required	Roof Shingles & Shakes			None Required	
				Slate Roof			None Required	
Single Ply Membrane Roof - EPDM with EPS Insulation			None Required					
Single Ply Membrane Roof - EPDM with Polyiso Insulation			None Required	Skylight - Glass Units			Not Selected	
Single Ply Membrane Roof - PVC with EPS Insulation			None Required	Skylight - Field Assembled			None Required	
Single Ply Membrane Roof - PVC with Polyiso Insulation	21,100.	SQFT	60mil PVC Single Ply Membrane Roof - 4" Polyiso. Ins. - Fully Adhered	Skylight - Acrylic Dome			None Required	
Single Ply Membrane Roofing - Add for Tapered Insulation			None Required					
				Allowance for Misc. Roof Accessories	1	LSUM	\$7,500 Allowance for Miscellaneous Roof Accessories	
Roof Deck Insulation - Polyiso			None Required					
Additional Roof Deck Insulation - Polyiso			None Required	Roof to Roof Expansion Joints	70	LNFT	Roof to Roof Expant. Joint - Foam Insul. - Reinf. Membrane - 4" to 6" Opening	
Roof Deck Insulation - Polystyrene & EPS			None Required	Roof to Wall Expansion Joint			None Required	
Additional Roof Deck Insulation - Polystyrene & EPS			None Required	Roof Gravel Stop & Drip Edge	654	LNFT	Roofing - Gravel Stop - Galvanized Steel - 8" Face Height	
Roof Deck Insul. - Fiberboard, Fiberglass & Perlite			None Required	Roof Snow Guards & Equipment Tie-Offs			None Required	
Add'l Roof Insul. - Fiberboard, Fiberglass & Perlite			None Required	Roof Pitch Pockets, Vent Flashing & Reglets			None Required	
				Roof Flashing			None Required	
Roof Underlayments	21,100.	SQFT	Roofing Underlayment - Polyester Backed	Roof Ridge Cap			None Required	
				Roof Curbs & Cants	150	LNFT	Roofing - Treated Wood Curb - 4" x 6"	
Single Ply Membrane Roof - PIB & CSPE - NO Insulation			None Required					
Built Up Roof			None Required	Roof Hatch with Curb	1	EACH	Roof Hatch With Curb - Aluminum - Single Door - 48" x 48"	
Modified Bitumen Roof			None Required	Roof Vents - Misc Non Smoke Type	4	EACH	Louvered Intake Mushroom Top Roof Vent - Galvanized Steel - 18"	
				Roof Smoke Vents			None Required	
Roof Coatings			None Required					
				Roof Pavers & Walkways	100	EACH	Concrete Roof Paver - Standard Weight - 24" x 24" x 1-1/2"	
Standing Seam Metal Roof - Steel			None Required					
Standing Seam Metal Roof - Aluminum & Copper			None Required					
Metal Roof Panels			None Required					
Clay, Concrete & Metal Roof Tile			None Required					

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Shell - 11

Project Name		New Library Building					
Description / Space		North Wall Exterior Closure				October 12, 2007	
Parameters	2,650.	SQFT	CMU Wall Area	Project Breakdowns			
		SQFT	Brick Wall Area	Base / Options	00 - Base Estimate		
		SQFT	Stone Veneer & Misc Area	Location	Shell & Structure		
		SQFT	Curtain Wall Area	Dept. / Group	Support & Infrastructure		
	1,130.	SQFT	Window - Glazing - Storefront Area	Space Description	North Wall Exterior Closure		
	3,780.	SQFT	Total Area of Wall				
Quantity / Multiplier	1.			Approx. Cost	\$29,018		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Exterior Closure Allowance			None Required	Cast Stone Panels			None Required
				Cast Stone Bandings			None Required
CMU Wall - Standard Light Weight			None Required	Cast Stone Water Tables			None Required
CMU Wall - Standard Medium Weight			None Required	Cast Stone Accents - Quoins & Ornaments			Not Selected
CMU Wall - Split Face Light Weight			None Required	Cast Stone Door Trim & Entrances			Not Selected
CMU Wall - Split Face Medium Weight			None Required	Cast Stone Window Trim			None Required
CMU Wall - Split Rib Face			None Required	Cast Stone Columns			None Required
CMU Wall - Ground Burnished Face			None Required	Cast Stone Pedestals - Plinths			None Required
CMU Wall - Fluted Face	2,650.	SQFT	8" CMU Hollow Block Wall - Fluted Face - 30% Openings				
CMU Wall - Scored Face			None Required	Precast Concrete Wall Panels			None Required
CMU Wall - Slump Block			None Required	Metal Panels & Sandwich Panels			None Required
CMU Wall - Simulated Brick Face			None Required	EIFS - Prefab Set with Crane			None Required
				EIFS - Built On Site			None Required
Glazed Face Block Walls			None Required	SIPS Panels			None Required
Glazed Face Block Door Openings & Ends			None Required	Stucco			None Required
Glazed Face Block Misc Pieces			None Required	Exterior Painting			None Required
AAC - Autoclaved Aerated Concrete Block Walls			None Required				
AAC - Autoclaved Aerated Concrete Bond Beams & Lintels			None Required	Simulated Brick & Stone Walls			None Required
				Simulated Brick & Stone Corners			None Required
CMU Back-Up			None Required				
Load Bearing Metal Stud Walls - 18 & 16 Gauge			None Required	Parapet Wall Cap - Metal Coping			None Required
Load Bearing Metal Stud Walls - 14 & 12 Gauge			None Required	Parapet Wall Cap - Concrete & Cast Stone			None Required
				Parapet Wall Cap - Concrete Corners			None Required
Face Brick Base Course			None Required	Parapet Wall Cap - Natural Stone			None Required
Face Brick Running Bond			None Required				
Face Brick Header Course			None Required	Sheathing			None Required
Face Brick Sailor, Soldier & Rowlock Courses			Not Selected	Moisture - Vapor Barriers			None Required
Face Brick Ornamental Accents - Quoins, Etc			None Required	Fiberglass Insulation			None Required
Face Brick Columns			None Required	Polystyrene & Polyiso Insulation			None Required

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 12	
Description / Space		North Wall Ext. Doors, Windows & Misc.					October 12, 2007		
Parameters	2,650.	SQFT	CMU Wall Area	Project Breakdowns					
		SQFT	Brick Wall Area	Base / Options	00 - Base Estimate				
		SQFT	Stone Veneer & Misc Area	Location	Shell & Structure				
		SQFT	Curtain Wall Area	Dept. / Group	Support & Infrastructure				
	1,130.	SQFT	Window - Glazing - Storefront Area	Space Description	North Wall Ext. Doors, Windows & Misc.				
	3,780.	SQFT	Total Area of Wall						
Quantity / Multiplier	1.			Approx. Cost	\$65,845				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
Allowance for Misc Exterior Closure Work			None Required	Aluminum Windows - Slider			None Required		
				Aluminum Windows - Fixed - Picture - Non Opening			None Required		
Storefront Doors & Frames	1.	EACH	Storefront Dbl Door & Frame - Alum. - Ins. Glass - 6'-0" x 7'-0"	Aluminum Windows - Projected & Awning Style			None Required		
Storefront Side Lites, Transoms & Accessories	2.	EACH	Storefront Door - Side Lite - Alum. - Ins. Glass - 1'-6" x 7'-0"						
Automatic Sliding, Balanced & Revolving Doors			None Required	Vinyl Windows - Avg Cost per Area			None Required		
Exterior Steel Entrance Door	2.	EACH	Double H.C. Steel Door - Frame, Panic Bar & Closer - 6'-0" x 7'-0"	Vinyl Windows - Casement			None Required		
				Vinyl Windows - Single & Double Hung			None Required		
Overhead Door - Medium Duty			None Required	Vinyl Windows - Slider			None Required		
Overhead Door - Non-Insulated Heavy Duty			None Required	Vinyl Windows - Fixed - Picture - Non Opening			None Required		
Overhead Door - Insulated Heavy Duty			None Required	Vinyl Windows - Awning Style			None Required		
Overhead Door Adder for Electric Operator			None Required						
Overhead Telescoping Steel Door			None Required	Wood & Clad Wood Windows - Avg Cost per Area			None Required		
				Wood & Clad Wood Windows - Casement			None Required		
Steel Rolling Service Door			None Required	Wood & Clad Wood Windows - Single Hung			None Required		
Vertical Lift Warehouse Door			None Required	Wood & Clad Wood Windows - Double Hung			None Required		
				Wood & Clad Wood Windows - Slider			None Required		
Exterior Wood Door			None Required	Wood & Clad Windows - Fixed - Non Opening			None Required		
Exterior Fiberglass Door			None Required	Wood & Clad Wood Windows - Awning Style			None Required		
Exterior Storm & Screen Doors			None Required						
Sliding Glass Patio Door			None Required	Bay Windows			None Required		
				Bow Windows			None Required		
Garage Door			None Required						
Garage Door Adder for Electric Opener			None Required	Scaffolding for Exterior Construction	3780	SQFT	Elevating Scaffold & Forklift - Up to 20' Work Height - Per Area of Wall		
				Material & Personnel Lift - Setup & Dismantle			None Required		
Curtain Wall System			None Required	Material & Personnel Lift - Rental & Operator			None Required		
Window Wall, Ribbon Windows & Strip Windows			None Required	Material & Personnel Lift - Rental Over 100 Feet			None Required		
				Sidewalk Protection - Setup & Dismantle			None Required		
Aluminum Windows - Avg Cost per Area	1130	SQFT	Alum. Window - Single Hung - Insul. Glass - Comm'l Grade - Avg. Cost	Sidewalk Protection - Rental Cost			None Required		
Aluminum Windows - Casement			None Required						
Aluminum Windows - Single & Double Hung			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 13
Description / Space		East Wall Exterior Closure					October 12, 2007	
Parameters	1,200.	SQFT	CMU Wall Area	Project Breakdowns				
		SQFT	Brick Wall Area	Base / Options	00 - Base Estimate			
		SQFT	Stone Veneer & Misc Area	Location	Shell & Structure			
		SQFT	Curtain Wall Area	Dept. / Group	Support & Infrastructure			
	600.	SQFT	Window - Glazing - Storefront Area	Space Description	East Wall Exterior Closure			
	1,800.	SQFT	Total Area of Wall					
Quantity / Multiplier	1.			Approx. Cost	\$15,564			
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	
Exterior Closure Allowance			None Required	Cast Stone Panels			None Required	
				Cast Stone Bandings			None Required	
CMU Wall - Standard Light Weight			None Required	Cast Stone Water Tables			None Required	
CMU Wall - Standard Medium Weight			None Required	Cast Stone Accents - Quoins & Ornaments			None Required	
CMU Wall - Split Face Light Weight			None Required	Cast Stone Door Trim & Entrances			None Required	
CMU Wall - Split Face Medium Weight			None Required	Cast Stone Window Trim			None Required	
CMU Wall - Split Rib Face			None Required	Cast Stone Columns			None Required	
CMU Wall - Ground Burnished Face			None Required	Cast Stone Pedestals - Plinths			None Required	
CMU Wall - Fluted Face	1,200.	SQFT	8" CMU Hollow Block Wall - Fluted Face - 30% Openings					
CMU Wall - Scored Face			None Required	Precast Concrete Wall Panels			None Required	
CMU Wall - Slump Block			None Required	Metal Panels & Sandwich Panels			None Required	
CMU Wall - Simulated Brick Face			None Required	EIFS - Prefab Set with Crane			None Required	
				EIFS - Built On Site			None Required	
Glazed Face Block Walls			None Required	SIPS Panels			None Required	
Glazed Face Block Door Openings & Ends			None Required	Stucco			None Required	
Glazed Face Block Misc Pieces			None Required	Exterior Painting			None Required	
AAC - Autoclaved Aerated Concrete Block Walls			None Required					
AAC - Autoclaved Aerated Concrete Bond Beams & Lintels			None Required	Simulated Brick & Stone Walls			None Required	
				Simulated Brick & Stone Corners			None Required	
CMU Back-Up			None Required					
Load Bearing Metal Stud Walls - 18 & 16 Gauge			None Required	Parapet Wall Cap - Metal Coping			None Required	
Load Bearing Metal Stud Walls - 14 & 12 Gauge			None Required	Parapet Wall Cap - Concrete & Cast Stone			None Required	
				Parapet Wall Cap - Concrete Corners			None Required	
Face Brick Base Course			None Required	Parapet Wall Cap - Natural Stone			None Required	
Face Brick Running Bond			None Required					
Face Brick Header Course			None Required	Sheathing			None Required	
Face Brick Sailor, Soldier & Rowlock Courses			None Required	Moisture - Vapor Barriers			None Required	
Face Brick Ornamental Accents - Quoins, Etc			None Required	Fiberglass Insulation			None Required	
Face Brick Columns			None Required	Polystyrene & Polyiso Insulation			None Required	

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Shell - 14		
Description / Space							October 12, 2007		
Parameters	1,200.	SQFT	CMU Wall Area	Project Breakdowns					
		SQFT	Brick Wall Area	Base / Options	00 - Base Estimate				
		SQFT	Stone Veneer & Misc Area	Location	Shell & Structure				
		SQFT	Curtain Wall Area	Dept. / Group	Support & Infrastructure				
	600.	SQFT	Window - Glazing - Storefront Area	Space Description	East Wall Ext. Doors, Windows & Misc.				
	1,800.	SQFT	Total Area of Wall						
Quantity / Multiplier	1.			Approx. Cost	\$35,682				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
Allowance for Misc Exterior Closure Work			None Required	Aluminum Windows - Slider			None Required		
				Aluminum Windows - Fixed - Picture - Non Opening			None Required		
Storefront Doors & Frames			None Required	Aluminum Windows - Projected & Awning Style			None Required		
Storefront Side Lites, Transoms & Accessories			None Required						
Automatic Sliding, Balanced & Revolving Doors			None Required	Vinyl Windows - Avg Cost per Area			None Required		
Exterior Steel Entrance Door	2.	EACH	Double H.C. Steel Door - Frame, Panic Bar & Closer - 6'-0" x 7'-0"	Vinyl Windows - Casement			None Required		
				Vinyl Windows - Single & Double Hung			None Required		
Overhead Door - Medium Duty			None Required	Vinyl Windows - Slider			None Required		
Overhead Door - Non-Insulated Heavy Duty			None Required	Vinyl Windows - Fixed - Picture - Non Opening			None Required		
Overhead Door - Insulated Heavy Duty			None Required	Vinyl Windows - Awning Style			None Required		
Overhead Door Adder for Electric Operator			None Required						
Overhead Telescoping Steel Door			None Required	Wood & Clad Wood Windows - Avg Cost per Area			None Required		
				Wood & Clad Wood Windows - Casement			None Required		
Steel Rolling Service Door			None Required	Wood & Clad Wood Windows - Single Hung			None Required		
Vertical Lift Warehouse Door			None Required	Wood & Clad Wood Windows - Double Hung			None Required		
				Wood & Clad Wood Windows - Slider			None Required		
Exterior Wood Door			None Required	Wood & Clad Windows - Fixed - Non Opening			None Required		
Exterior Fiberglass Door			None Required	Wood & Clad Wood Windows - Awning Style			None Required		
Exterior Storm & Screen Doors			None Required						
Sliding Glass Patio Door			None Required	Bay Windows			None Required		
				Bow Windows			None Required		
Garage Door			None Required						
Garage Door Adder for Electric Opener			None Required	Scaffolding for Exterior Construction	1800	SQFT	Elevating Scaffold & Forklift - Up to 20' Work Height - Per Area of Wall		
				Material & Personnel Lift - Setup & Dismantle			None Required		
Curtain Wall System			None Required	Material & Personnel Lift - Rental & Operator			None Required		
Window Wall, Ribbon Windows & Strip Windows			None Required	Material & Personnel Lift - Rental Over 100 Feet			None Required		
				Sidewalk Protection - Setup & Dismantle			None Required		
Aluminum Windows - Avg Cost per Area	600	SQFT	Alum. Window - Single Hung - Insul. Glass - Comm'l Grade - Avg. Cost	Sidewalk Protection - Rental Cost			None Required		
Aluminum Windows - Casement			None Required						
Aluminum Windows - Single & Double Hung			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Shell - 15						
Description / Space							New Library Building				October 12, 2007		
Parameters	2,650.	SQFT	CMU Wall Area	Project Breakdowns									
		SQFT	Brick Wall Area	Base / Options		00 - Base Estimate							
		SQFT	Stone Veneer & Misc Area	Location		Shell & Structure							
		SQFT	Curtain Wall Area	Dept. / Group		Support & Infrastructure							
	1,130.	SQFT	Window - Glazing - Storefront Area	Space Description		South Wall Exterior Closure							
	3,780.	SQFT	Total Area of Wall										
Quantity / Multiplier							1.		Approx. Cost			\$34,371	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
Exterior Closure Allowance			None Required	Cast Stone Panels			None Required						
				Cast Stone Bandings			None Required						
CMU Wall - Standard Light Weight			None Required	Cast Stone Water Tables			None Required						
CMU Wall - Standard Medium Weight			None Required	Cast Stone Accents - Quoins & Ornaments			None Required						
CMU Wall - Split Face Light Weight			None Required	Cast Stone Door Trim & Entrances			None Required						
CMU Wall - Split Face Medium Weight			None Required	Cast Stone Window Trim			None Required						
CMU Wall - Split Rib Face			None Required	Cast Stone Columns			None Required						
CMU Wall - Ground Burnished Face			None Required	Cast Stone Pedestals - Plinths			None Required						
CMU Wall - Fluted Face	2,650.	SQFT	8" CMU Hollow Block Wall - Fluted Face - 30% Openings										
CMU Wall - Scored Face			None Required	Precast Concrete Wall Panels			None Required						
CMU Wall - Slump Block			None Required	Metal Panels & Sandwich Panels			None Required						
CMU Wall - Simulated Brick Face			None Required	EIFS - Prefab Set with Crane			None Required						
				EIFS - Built On Site			None Required						
Glazed Face Block Walls			None Required	SIPS Panels			None Required						
Glazed Face Block Door Openings & Ends			None Required	Stucco			None Required						
Glazed Face Block Misc Pieces			None Required	Exterior Painting			None Required						
AAC - Autoclaved Aerated Concrete Block Walls			None Required										
AAC - Autoclaved Aerated Concrete Bond Beams & Lintels			None Required	Simulated Brick & Stone Walls			None Required						
				Simulated Brick & Stone Corners			None Required						
CMU Back-Up			None Required										
Load Bearing Metal Stud Walls - 18 & 16 Gauge			None Required	Parapet Wall Cap - Metal Coping			None Required						
Load Bearing Metal Stud Walls - 14 & 12 Gauge			None Required	Parapet Wall Cap - Concrete & Cast Stone			None Required						
				Parapet Wall Cap - Concrete Corners			None Required						
Face Brick Base Course			None Required	Parapet Wall Cap - Natural Stone			None Required						
Face Brick Running Bond			None Required										
Face Brick Header Course			None Required	Sheathing			None Required						
Face Brick Sailor, Soldier & Rowlock Courses			None Required	Moisture - Vapor Barriers			None Required						
Face Brick Ornamental Accents - Quoins, Etc			None Required	Fiberglass Insulation			None Required						
Face Brick Columns			None Required	Polystyrene & Polyiso Insulation			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 16	
Description / Space		South Wall Ext. Doors, Windows & Misc.					October 12, 2007		
Parameters	2,650.	SQFT	CMU Wall Area	Project Breakdowns					
		SQFT	Brick Wall Area	Base / Options	00 - Base Estimate				
		SQFT	Stone Veneer & Misc Area	Location	Shell & Structure				
		SQFT	Curtain Wall Area	Dept. / Group	Support & Infrastructure				
	1,130.	SQFT	Window - Glazing - Storefront Area	Space Description	South Wall Ext. Doors, Windows & Misc.				
	3,780.	SQFT	Total Area of Wall						
Quantity / Multiplier	1.			Approx. Cost	\$69,060				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
Allowance for Misc Exterior Closure Work			None Required	Aluminum Windows - Slider			None Required		
				Aluminum Windows - Fixed - Picture - Non Opening			None Required		
Storefront Doors & Frames	1.	EACH	Storefront Dbl Door & Frame - Alum. - Ins. Glass - 6'-0" x 7'-0"	Aluminum Windows - Projected & Awning Style			None Required		
Storefront Side Lites, Transoms & Accessories	2.	EACH	Storefront Door - Side Lite - Alum. - Ins. Glass - 1'-6" x 7'-0"						
Automatic Sliding, Balanced & Revolving Doors			None Required	Vinyl Windows - Avg Cost per Area			None Required		
Exterior Steel Entrance Door	2.	EACH	Double H.C. Steel Door - Frame, Panic Bar & Closer - 6'-0" x 7'-0"	Vinyl Windows - Casement			None Required		
				Vinyl Windows - Single & Double Hung			None Required		
Overhead Door - Medium Duty			None Required	Vinyl Windows - Slider			None Required		
Overhead Door - Non-Insulated Heavy Duty			None Required	Vinyl Windows - Fixed - Picture - Non Opening			None Required		
Overhead Door - Insulated Heavy Duty			None Required	Vinyl Windows - Awning Style			None Required		
Overhead Door Adder for Electric Operator			None Required						
Overhead Telescoping Steel Door			None Required	Wood & Clad Wood Windows - Avg Cost per Area			None Required		
				Wood & Clad Wood Windows - Casement			None Required		
Steel Rolling Service Door			None Required	Wood & Clad Wood Windows - Single Hung			None Required		
Vertical Lift Warehouse Door			None Required	Wood & Clad Wood Windows - Double Hung			None Required		
				Wood & Clad Wood Windows - Slider			None Required		
Exterior Wood Door			None Required	Wood & Clad Windows - Fixed - Non Opening			None Required		
Exterior Fiberglass Door			None Required	Wood & Clad Wood Windows - Awning Style			None Required		
Exterior Storm & Screen Doors			None Required						
Sliding Glass Patio Door			None Required	Bay Windows			None Required		
				Bow Windows			None Required		
Garage Door			None Required						
Garage Door Adder for Electric Opener			None Required	Scaffolding for Exterior Construction	3780	SQFT	Elevating Scaffold & Forklift - Up to 20' Work Height - Per Area of Wall		
				Material & Personnel Lift - Setup & Dismantle			None Required		
Curtain Wall System			None Required	Material & Personnel Lift - Rental & Operator			None Required		
Window Wall, Ribbon Windows & Strip Windows			None Required	Material & Personnel Lift - Rental Over 100 Feet			None Required		
				Sidewalk Protection - Setup & Dismantle			None Required		
Aluminum Windows - Avg Cost per Area	1130	SQFT	Alum. Window - Single Hung - Insul. Glass - Comm'l Grade - Avg. Cost	Sidewalk Protection - Rental Cost			None Required		
Aluminum Windows - Casement			None Required						
Aluminum Windows - Single & Double Hung			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Shell - 17

Project Name		New Library Building					
Description / Space		West Wall Exterior Closure				October 12, 2007	
Parameters	1,200.	SQFT	CMU Wall Area	Project Breakdowns			
		SQFT	Brick Wall Area	Base / Options	00 - Base Estimate		
		SQFT	Stone Veneer & Misc Area	Location	Shell & Structure		
		SQFT	Curtain Wall Area	Dept. / Group	Support & Infrastructure		
	600.	SQFT	Window - Glazing - Storefront Area	Space Description	West Wall Exterior Closure		
	1,800.	SQFT	Total Area of Wall				
Quantity / Multiplier	1.			Approx. Cost	\$15,564		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Exterior Closure Allowance			None Required	Cast Stone Panels			None Required
				Cast Stone Bandings			None Required
CMU Wall - Standard Light Weight			None Required	Cast Stone Water Tables			None Required
CMU Wall - Standard Medium Weight			None Required	Cast Stone Accents - Quoins & Ornaments			None Required
CMU Wall - Split Face Light Weight			None Required	Cast Stone Door Trim & Entrances			None Required
CMU Wall - Split Face Medium Weight			None Required	Cast Stone Window Trim			None Required
CMU Wall - Split Rib Face			None Required	Cast Stone Columns			None Required
CMU Wall - Ground Burnished Face			None Required	Cast Stone Pedestals - Plinths			None Required
CMU Wall - Fluted Face	1,200.	SQFT	8" CMU Hollow Block Wall - Fluted Face - 30% Openings				
CMU Wall - Scored Face			None Required	Precast Concrete Wall Panels			None Required
CMU Wall - Slump Block			None Required	Metal Panels & Sandwich Panels			None Required
CMU Wall - Simulated Brick Face			None Required	EIFS - Prefab Set with Crane			None Required
				EIFS - Built On Site			None Required
Glazed Face Block Walls			None Required	SIPS Panels			None Required
Glazed Face Block Door Openings & Ends			None Required	Stucco			None Required
Glazed Face Block Misc Pieces			None Required	Exterior Painting			None Required
AAC - Autoclaved Aerated Concrete Block Walls			None Required				
AAC - Autoclaved Aerated Concrete Bond Beams & Lintels			None Required	Simulated Brick & Stone Walls			None Required
				Simulated Brick & Stone Corners			None Required
CMU Back-Up			None Required				
Load Bearing Metal Stud Walls - 18 & 16 Gauge			None Required	Parapet Wall Cap - Metal Coping			None Required
Load Bearing Metal Stud Walls - 14 & 12 Gauge			None Required	Parapet Wall Cap - Concrete & Cast Stone			None Required
				Parapet Wall Cap - Concrete Corners			None Required
Face Brick Base Course			None Required	Parapet Wall Cap - Natural Stone			None Required
Face Brick Running Bond			None Required				
Face Brick Header Course			None Required	Sheathing			None Required
Face Brick Sailor, Soldier & Rowlock Courses			None Required	Moisture - Vapor Barriers			None Required
Face Brick Ornamental Accents - Quoins, Etc			None Required	Fiberglass Insulation			None Required
Face Brick Columns			None Required	Polystyrene & Polyiso Insulation			None Required

Kisient Budgetware & Estimating System

EZ Model File: Exterior Brick, CMU & Stone

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name		New Library Building						Shell - 18	
Description / Space		West Wall Ext. Doors, Windows & Misc.						October 12, 2007	
Parameters	1,200.	SQFT	CMU Wall Area	Project Breakdowns					
		SQFT	Brick Wall Area	Base / Options	00 - Base Estimate				
		SQFT	Stone Veneer & Misc Area	Location	Shell & Structure				
		SQFT	Curtain Wall Area	Dept. / Group	Support & Infrastructure				
	600.	SQFT	Window - Glazing - Storefront Area	Space Description	West Wall Ext. Doors, Windows & Misc.				
	1,800.	SQFT	Total Area of Wall						
Quantity / Multiplier	1.			Approx. Cost	\$35,682				
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection		
Allowance for Misc Exterior Closure Work			None Required	Aluminum Windows - Slider			None Required		
				Aluminum Windows - Fixed - Picture - Non Opening			None Required		
Storefront Doors & Frames			None Required	Aluminum Windows - Projected & Awning Style			None Required		
Storefront Side Lites, Transoms & Accessories			None Required						
Automatic Sliding, Balanced & Revolving Doors			None Required	Vinyl Windows - Avg Cost per Area			None Required		
Exterior Steel Entrance Door	2.	EACH	Double H.C. Steel Door - Frame, Panic Bar & Closer - 6'-0" x 7'-0"	Vinyl Windows - Casement			None Required		
				Vinyl Windows - Single & Double Hung			None Required		
Overhead Door - Medium Duty			None Required	Vinyl Windows - Slider			None Required		
Overhead Door - Non-Insulated Heavy Duty			None Required	Vinyl Windows - Fixed - Picture - Non Opening			None Required		
Overhead Door - Insulated Heavy Duty			None Required	Vinyl Windows - Awning Style			None Required		
Overhead Door Adder for Electric Operator			None Required						
Overhead Telescoping Steel Door			None Required	Wood & Clad Wood Windows - Avg Cost per Area			None Required		
				Wood & Clad Wood Windows - Casement			None Required		
Steel Rolling Service Door			None Required	Wood & Clad Wood Windows - Single Hung			None Required		
Vertical Lift Warehouse Door			None Required	Wood & Clad Wood Windows - Double Hung			None Required		
				Wood & Clad Wood Windows - Slider			None Required		
Exterior Wood Door			None Required	Wood & Clad Windows - Fixed - Non Opening			None Required		
Exterior Fiberglass Door			None Required	Wood & Clad Wood Windows - Awning Style			None Required		
Exterior Storm & Screen Doors			None Required						
Sliding Glass Patio Door			None Required	Bay Windows			None Required		
				Bow Windows			None Required		
Garage Door			None Required						
Garage Door Adder for Electric Opener			None Required	Scaffolding for Exterior Construction	1800	SQFT	Elevating Scaffold & Forklift - Up to 20' Work Height - Per Area of Wall		
				Material & Personnel Lift - Setup & Dismantle			None Required		
Curtain Wall System			None Required	Material & Personnel Lift - Rental & Operator			None Required		
Window Wall, Ribbon Windows & Strip Windows			None Required	Material & Personnel Lift - Rental Over 100 Feet			None Required		
				Sidewalk Protection - Setup & Dismantle			None Required		
Aluminum Windows - Avg Cost per Area	600	SQFT	Alum. Window - Single Hung - Insul. Glass - Comm'l Grade - Avg. Cost	Sidewalk Protection - Rental Cost			None Required		
Aluminum Windows - Casement			None Required						
Aluminum Windows - Single & Double Hung			None Required						

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Shell - 19

Project Name		New Library Building					
Description / Space		Stair 1 - Ground Floor to Basement				October 12, 2007	
Parameters	2.	EACH	Number of Stair Landings	Project Breakdowns			
	15.	VLF	Height of Stairs in Feet	Base / Options	00 - Base Estimate		
	22.	EACH	Number of Risers	Location	Shell & Structure		
	2.	EACH	Railing / Handrail on 1 or 2 Sides	Dept. / Group	Support & Infrastructure		
	64.	LNFT	Length of Railing or Handrail	Space Description	Stair 1 - Ground Floor to Basement		
	2.	EACH	Number of Doors				
Quantity / Multiplier	1.			Approx. Cost	\$50,797		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Stairs - Concrete on Metal Pan - Up to 54" Wide	22.	EACH	Concrete Stairs on Metal Pan - 3500 PSI - 48" W Riser				
Stairs - Concrete on Metal Pan - Over 54" Wide			None Required	CMU Wall - Standard Light Weight			None Required
Metal Pan for Concrete Stairs & Landings	22.	EACH	Metal Pan Stair - 48" Wide	CMU Wall - Standard Medium Weight			None Required
				CMU Wall - Split Face Light Weight			None Required
Stair Landing - Concrete on Metal Pan - Up to 54" Wide	2.	EACH	Concrete Stairs on Metal Pan - 3500 PSI - 48" x 96" Landing	CMU Wall - Split Face Medium Weight	1800	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Split Face - 5% Openings
Stair Landing - Concrete on Metal Pan - Over 54" Wide			None Required	CMU Wall - Ground Burnished Face			None Required
Metal Pan for Concrete Stairs & Landings	2.	EACH	Metal Pan Stair Landing - 48" x 96"				
				Cast In Place Straight Concrete Walls			None Required
Stairs & Landings - CIP Concrete - Up to 54" Wide			None Required				
Stairs & Landings - CIP Concrete - Up to 54" Wide			None Required	Wall Framing - Interior Metal Studs			None Required
Stairs & Landings - CIP Concrete - Over 54" Wide			None Required	Gypsum Board on Walls			None Required
Stairs & Landings - CIP Concrete - Over 54" Wide			None Required	Stair Wall Framing with Gypsum & Core Board	1800	SQFT	Stair Wall - 2-1/2" CT Studs- 1" Core Bd- (2) 5/8" FR Gyp. Bd. 1 Side
Precast Concrete Stairs			None Required				
				Ceiling - Gypsum Board on Metal Framing			None Required
Monumental Stair Allowance			None Required	Ceiling Tile - Fire Rated with Suspended Grid			None Required
Carpet Floor Covering			None Required	Painting - Walls & Ceilings	1800	SQFT	Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface
Terrazzo Stairs & Risers			None Required				
Terrazzo Landings			None Required	Fire Rated Doors with Hardware			None Required
				Hollow Core Steel Doors with Frames & Hardware	2	EACH	Single H.C. Steel Door + Frame, Panic Bar & Closer - 3'-0" x 7'-0"
Pipe Railings for Stairs	64	LNFT	1-1/2" Wall Mounted Pipe Rail - Steel	Additional Door Hardware			None Required
Additional Pipe Railings for Stairs			None Required				
Ornamental Handrails			None Required	Exit Light	2	EACH	Exit Light - Single Face - Edge-Lit - LED
Additional Ornamental Handrails			None Required	Emergency Battery Light			None Required
				Wall Mounted Fluorescent Light	4	EACH	4' Commercial Wall Bracket Fluorescent
Metal Stair Tread			None Required	Ceiling Mounted Fluorescent Light			None Required
Spiral Metal Stairs with Railing & Top Landing			None Required	Fluorescent Light Adder for Emergency Battery			None Required
Fixed Steel Ladders			None Required	Electric Rough-In Box with Conduit & Wire	6	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St*SS Figs & Wire
Fire Escape Ladders			None Required				
Fire Escape Landings			None Required				

Kisient Budgetware & Estimating System

EZ Model File: Stairs & Landings

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Project Name							Shell - 20						
Description / Space							October 12, 2007						
Parameters	3.	EACH	Number of Stair Landings				Project Breakdowns						
	30.	VLF	Height of Stairs in Feet	Base / Options		00 - Base Estimate							
	45.	EACH	Number of Risers	Location		Shell & Structure							
	2.	EACH	Railing / Handrail on 1 or 2 Sides	Dept. / Group		Support & Infrastructure							
	123.	LNFT	Length of Railing or Handrail	Space Description		Stair 2 - Basement to Roof							
	3.	EACH	Number of Doors										
Quantity / Multiplier	1.				Approx. Cost	\$91,000							
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection						
Stairs - Concrete on Metal Pan - Up to 54" Wide	45.	EACH	Concrete Stairs on Metal Pan - 3500 PSI - 48" W Riser										
Stairs - Concrete on Metal Pan - Over 54" Wide			None Required	CMU Wall - Standard Light Weight			None Required						
Metal Pan for Concrete Stairs & Landings	45.	EACH	Metal Pan Stair - 48" Wide	CMU Wall - Standard Medium Weight			None Required						
				CMU Wall - Split Face Light Weight			None Required						
Stair Landing - Concrete on Metal Pan - Up to 54" Wide	3.	EACH	Concrete Stairs on Metal Pan - 3500 PSI - 48" x 96" Landing	CMU Wall - Split Face Medium Weight	2700	SQFT	8" CMU Hollow Block Wall - Med. Wt. - Split Face - 5% Openings						
Stair Landing - Concrete on Metal Pan - Over 54" Wide			None Required	CMU Wall - Ground Burnished Face			None Required						
Metal Pan for Concrete Stairs & Landings	3.	EACH	Metal Pan Stair Landing - 48" x 96"										
				Cast In Place Straight Concrete Walls			None Required						
Stairs & Landings - CIP Concrete - Up to 54" Wide			None Required										
Stairs & Landings - CIP Concrete - Up to 54" Wide			None Required	Wall Framing - Interior Metal Studs			None Required						
Stairs & Landings - CIP Concrete - Over 54" Wide			None Required	Gypsum Board on Walls			None Required						
Stairs & Landings - CIP Concrete - Over 54" Wide			None Required	Stair Wall Framing with Gypsum & Core Board	2700	SQFT	Stair Wall - 2-1/2" CT Studs- 1" Core Bd- (2) 5/8" FR Gyp. Bd. 1 Side						
Precast Concrete Stairs			None Required										
				Ceiling - Gypsum Board on Metal Framing			None Required						
Monumental Stair Allowance			None Required	Ceiling Tile - Fire Rated with Suspended Grid			None Required						
Carpet Floor Covering			None Required	Painting - Walls & Ceilings	2700	SQFT	Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface						
Terrazzo Stairs & Risers			None Required										
Terrazzo Landings			None Required	Fire Rated Doors with Hardware			None Required						
				Hollow Core Steel Doors with Frames & Hardware	3	EACH	Single H.C. Steel Door + Frame, Panic Bar & Closer - 3'-0" x 7'-0"						
Pipe Railings for Stairs	123	LNFT	1-1/2" Wall Mounted Pipe Rail - Steel	Additional Door Hardware			None Required						
Additional Pipe Railings for Stairs			None Required										
Ornamental Handrails			None Required	Exit Light	3	EACH	Exit Light - Single Face - Edge-Lit - LED						
Additional Ornamental Handrails			None Required	Emergency Battery Light			None Required						
				Wall Mounted Fluorescent Light	5	EACH	4' Commercial Wall Bracket Fluorescent						
Metal Stair Tread			None Required	Ceiling Mounted Fluorescent Light			None Required						
Spiral Metal Stairs with Railing & Top Landing			None Required	Fluorescent Light Adder for Emergency Battery			None Required						
Fixed Steel Ladders			None Required	Electric Rough-In Box with Conduit & Wire	8	EACH	Rough In Box, Ring & 20' of 3/4" EMT - St*SS Figs & Wire						
Fire Escape Ladders			None Required										
Fire Escape Landings			None Required										

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Site - 1

Project Name		New Library Building						
Description / Space		Site Clearing & Preparation				October 12, 2007		
Parameters	3.	ACRE	Size (1 Acre = 43,560 SqFt)		Project Breakdowns			
	1.	ACRE	Tree / Vegetation Removal Area		Base / Options	00 - Base Estimate		
	1.	EACH	Residential Buidings to Remove		Location	Site		
	8,000.	SQFT	Other Building Demo (Gross Area)		Dept. / Group	Support & Infrastructure		
	2,500.	SQYD	Roads / Parking Lots to Remove		Space Description	Site Clearing & Preparation		
Quantity / Multiplier		1.			Approx. Cost	\$143,725		
System	Qty	U/M	Criteria Selection		System	Qty	U/M	Criteria Selection
Clearing	1.	ACRE	Cut & Chip Trees - Average Density (Acres)					
Additional Clearing			None Required					
Demolition - Residential Buildings	1.	EACH	Demolish Medium Residential Building					
Demolition - Commercial Buildings	8,000.	SQFT	Demolish Steel Frame Building - 1 or 2 Story - Med. Density of Interior Walls					
Demolition - Additional Commercial Buildings			None Required					
Demolition - Slabs on Grade	4,000.	SQFT	Demolish Slab on Grade & Footings - Good Conditions					
Demolition - Asphalt Roads & Parking Lots	2,500.	SQYD	Asphalt Pavement Demolition - 6" Thick					
Demolition - Concrete Roads & Parking Lots			None Required					
Earthwork - Strip Topsoil	14,520.	SQYD	Strip & Stockpile Topsoil - Medium Site - Average 6" Depth					
Earthwork - Rough Grading	29,040.	CUYD	Mass Excavation - Rough Grading - Medium Site - Common Earth					
Earthwork - Additional Rough Grading			None Required					
Earthwork - Rock Excavation			Not Selected					
Earthwork - Bank Excavation			None Required					
Earthwork - Haul-Off Excess			Not Selected					
Earthwork - Import Borrow or Fill Dirt			Not Selected					
Erosion Control	600	LNFT	Erosion Control - Plastic Silt Fence with Stakes - Install & Remove					
Additional Erosion Control	600	LNFT	Erosion Control - Hay Bales with Stakes - Install & Remove					
Dewatering Pumps			Not Selected					
Dewatering Sump Holes			None Required					
Dewatering Wellpoint System - Installation			None Required					
Dewatering Wellpoint System - Operating Cost			None Required					

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

		Site - 1
Project Name	New Library Building	
Description / Space	Site Clearing & Preparation	October 12, 2007
Comments and Clarifications		
<p>1. Due to the location of this project, the need for a perimeter buffer should be reviewed before the start of Site Preparation.</p> <p>2. Any shade trees on the perimeter of this site should be protected during construction.</p>		
Kisent Budgetware & Estimating System [®]		

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Site - 2

Project Name		New Library Building					
Description / Space		Main Parking Lot				October 12, 2007	
Parameters	20.	LNFT	Roadway Length	Project Breakdowns			
	30.	LNFT	Roadway Width	Base / Options	00 - Base Estimate		
	15,000.	SQFT	Parking Lot Size (Area)	Location	Site		
	35.	EACH	Parking Lot Standard Spaces	Dept. / Group	Support & Infrastructure		
	5.	EACH	Parking Lot Handicap Spaces	Space Description	Main Parking Lot		
Quantity / Multiplier		1.		Approx. Cost		\$69,735	
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Rough Grading	867.	CUYD	Mass Excavation - Rough Grading - Medium Site - Common Earth	Additional Parking Concrete Curbs & Gutters			None Required
Finish Grading	1,733.	SQYD	Finish Grading - Medium Site	Parking Concrete Barriers			None Required
				Parking Concrete Sidewalks	740	SQFT	Concrete Sidewalk - 3000 PSI - WWF - Broom Finish - 5" Thick
Roadway Sub Base - Stone & Gravel	67.	SQYD	Crusher Run Stone Base - Spread & Compacted - 6" Deep				
Roadway Asphalt Paving - Base Course	67.	SQYD	Asphalt Paving - Base Course - 4" Thick	Parking Pavement Striping	35	EACH	Pavement Striping with Layout - Standard Parking Stall - Painted
Roadway Asphalt Paving - Top Wearing Course	67.	SQYD	Asphalt Paving - Top (Wearing) Course - 2" Thick	Additional Parking Pavement Striping	5	EACH	Pavement Striping with Layout - Handicap Parking Stall - Painted
Roadway Concrete Paving			None Required	Additional Parking Pavement Striping	4	EACH	Pavement Striping with Layout - Cross Walk
				Additional Parking Pavement Striping	500	SQFT	Pavement Striping with Layout - No Parking with Cross Lines
Roadway Concrete Curbs			None Required				
Additional Roadway Concrete Curbs			None Required	Parking Signs	7	EACH	Parking Sign with Post - Average
Roadway Concrete Curbs & Gutters	40.	LNFT	Concrete Curb & Gutter - Form & Strip - 6" Curb + 12" Gutter	Additional Parking Signs			None Required
Additional Roadway Concrete Curbs & Gutters			None Required				
Roadway Concrete Barriers			None Required	Parking Bumpers	40	EACH	Parking Lot Bumper - Precast Concrete with Pins - 6' Long
Roadway Concrete Sidewalks	60.	SQFT	Concrete Sidewalk - 3000 PSI - WWF - Broom Finish - 5" Thick				
Roadway Striping	20.	LNFT	Pavement Striping with Layout on Roadways - Painted - 6" Wide				
Additional Roadway Striping	2.	EACH	Pavement Striping with Layout - Cross Walk				
Additional Roadway Striping	2.	EACH	Pavement Striping with Layout - Turn Arrow or Shape				
Roadway Traffic Signs	5	EACH	Traffic Sign with Post - Average				
Additional Roadway Traffic Signs			None Required				
Parking Sub Base - Stone & Gravel	1667	SQYD	Crusher Run Stone Base - Spread & Compacted - 6" Deep				
Parking Asphalt Paving - Base Course	1667	SQYD	Asphalt Paving - Base Course - 2-1/2" Thick				
Parking Asphalt Paving - Top Wearing Course	1667	SQYD	Asphalt Paving - Top (Wearing) Course - 1-1/2" Thick				
Parking Concrete Paving			None Required				
Parking Concrete Curbs			None Required				
Additional Parking Concrete Curbs			None Required				
Parking Concrete Curbs & Gutters	613	LNFT	Concrete Curb & Gutter - Form & Strip - 6" Curb + 12" Gutter				

Kisent Budgetware & Estimating System

EZ Model File: Roadways & Parking

BUILDING PROGRAM - DESIGN and CONSTRUCTION CRITERIA

Site - 3

Project Name		New Library Building					
Description / Space		Site Improvement				October 12, 2007	
Parameters	20,000.	SQFT	Size / Area	Project Breakdowns			
	2,000.	SQFT	Sidewalk Area	Base / Options	00 - Base Estimate		
	8,000.	SQFT	Patio - Plaza Area	Location	Site		
	100.	LNFT	Length of Retaining Wall	Dept. / Group	Support & Infrastructure		
	200.	LNFT	Length of Fence	Space Description	Site Improvement		
	2.	EACH	Fence Gates				
Quantity / Multiplier	1.			Approx. Cost	\$108,109		
System	Qty	U/M	Criteria Selection	System	Qty	U/M	Criteria Selection
Earthwork - Finish Grading	2,222.	SQYD	Finish Grading - Medium Site	Wall Cap - Natural Stone			None Required
Earthwork - Topsoil Spread from Pile	333.	CUYD	Spread Topsoil from Stockpile on Site - Medium Site				
Earthwork - Topsoil Import & Spread			None Required	Fence - Chain Link & Security			None Required
				Fence - Security Options			None Required
Concrete Sidewalks	2,000.	SQFT	Concrete Sidewalk - 3000 PSI - WWF - Broom Finish - 6" Thick	Fence - Aluminum			None Required
Concrete Patio - Plaza	8,000.	SQFT	Concrete Patio/Plaza - 3000 PSI - WWF - Exp. Agg. Fin. - 6" Thick	Fence - Steel	200	LNFT	Steel Fence - Standard Design - 60" High
Concrete Curbs & Gutters			None Required	Fence - Ornamental Wire			None Required
Stairs - CIP Concrete - Up to 54"			None Required	Fence - Wood			None Required
Stairs - CIP Concrete - Over 54"			None Required	Fence - Vinyl			None Required
Paver Block			None Required	Fence Gate - Standard Chain Link			None Required
Paver Brick			None Required	Fence Gate - Heavy Duty Chain Link			None Required
Paver Brick Edge			None Required	Fence Gate - Aluminum			None Required
Paver Stone			None Required	Fence Gate - Steel	2	EACH	Steel Fence Gate - Standard Design - 60" H x 48" W
Paver Stone Edge			None Required	Fence Gate - Ornamental Wire			None Required
Paver Stone Stair Tread			None Required	Fence Gate - Wood			None Required
				Fence Gate - Vinyl			None Required
Footings - Continuous NO Reinforcing	100.	LNFT	Contin. Footing with Forms - No Reinf. - 3000 PSI - 12" x 30"				
Footings - Continuous with Reinforcing			None Required	Security Bollards			Not Selected
CIP Straight Concrete Walls			None Required				
CIP Curved Concrete Walls			None Required				
Stone Sub Base			None Required				
Retaining Wall	600	SQFT	Interlock Retaining Wall - Exc. & Fill - Common Medium - Over 4' H				
Additional Retaining Wall			None Required				
Drain Pipe	200	LNFT	Single Wall HDPE Pipe - Flexible - Perforated + Filter Sock - 6"				
Bird Repellent Spikes			None Required				
Brick Fence - Wall			None Required				
Wall Cap - Concrete & Cast Stone			None Required				

Kisient Budgetware & Estimating System

EZ Model File: Site Improvement

Kisent Corporation

Project: New Library Building

Lombard, Illinois

Date: 10/11/07

Description	Quantity	U/M	Unit Price	Unit Price Ext
02 - SITEWORK				
Demolish Medium Residential Building	1	EACH	\$6,146.68	\$6,146.68
Demolish Steel Frame Building - 1 or 2 Story - Med. Density of Interior Walls	8000	SQFT	\$3.91	\$31,280.00
Demolish Slab on Grade & Footings - Good Conditions	4000	SQFT	\$2.97	\$11,880.00
Mass Excavation - Rough Grading - Medium Site - Common Earth	29907	CUYD	\$2.10	\$62,804.70
Cut & Chip Trees - Average Density	1	ACRE	\$6,404.62	\$6,404.62
Strip & Stockpile Topsoil - Medium Site - Average 6" Depth	14520	SQYD	\$0.65	\$9,438.00
Finish Grading - Medium Site	3955	SQYD	\$1.14	\$4,508.70
Spread Topsoil from Stockpile on Site - Medium Site	333	CUYD	\$3.58	\$1,192.14
Basement / Slab Excavation - 5 Mile Haul Off - No Shoring - Medium Area	972	CUYD	\$9.32	\$9,059.04
Basement Edge Backfill - 1/2 On Site Material - 1/2 Stone - 10' to 15' Deep	225	LNFT	\$34.71	\$7,809.75
Basement / Slab Edge Backfill - 1/2 On Site Material - 1/2 Stone - Up to 5' Deep	500	LNFT	\$6.83	\$3,415.00
Footing & Foundation Wall Excavation - 4' Wide x 6' Deep	1705	LNFT	\$6.31	\$10,758.55
Foundation Edge Backfill - 1/2 On Site Material - 1/2 Stone - Up to 5' Deep	1705	LNFT	\$6.83	\$11,645.15
Crusher Run Stone Base - Spread & Compacted - 6" Deep	1734	SQYD	\$4.49	\$7,785.66
Erosion Control - Plastic Silt Fence with Stakes - Install & Remove	600	LNFT	\$1.12	\$672.00
Erosion Control - Hay Bales with Stakes - Install & Remove	600	LNFT	\$1.44	\$864.00
Asphalt Paving - Base Course - 4" Thick	67	SQYD	\$16.32	\$1,093.44
Asphalt Paving - Top (Wearing) Course - 2" Thick	67	SQYD	\$11.22	\$751.74
Asphalt Paving - Base Course - 2-1/2" Thick	1667	SQYD	\$12.26	\$20,437.42
Asphalt Paving - Top (Wearing) Course - 1-1/2" Thick	1667	SQYD	\$9.86	\$16,436.62
Concrete Curb & Gutter - Form & Strip - 6" Curb + 12" Gutter	653	LNFT	\$11.90	\$7,770.70
Concrete Sidewalk - 3000 PSI - WWF - Broom Finish - 5" Thick	800	SQFT	\$6.30	\$5,040.00
Concrete Sidewalk - 3000 PSI - WWF - Broom Finish - 6" Thick	2000	SQFT	\$6.86	\$13,720.00
Concrete Sidewalk - 3000 PSI - WWF - Exp. Aggregate Finish - 6" Thick	8000	SQFT	\$8.27	\$66,160.00
Asphalt Pavement Demolition - 6" Thick	2500	SQYD	\$6.29	\$15,725.00
Single Wall HDPE Pipe - Flexible - Perforated with Filter Sock - 10"	225	LNFT	\$8.91	\$2,004.75
Single Wall HDPE Pipe - Flexible - Perforated with Filter Sock - 6"	200	LNFT	\$4.48	\$896.00
Interlock Segment Retaining Wall - Exc. & Fill - Common Medium - Over 4' H	600	SQFT	\$20.34	\$12,204.00
Steel Fence - Standard Design - 60" High	200	LNFT	\$37.24	\$7,448.00
Steel Fence Gate - Standard Design - 60" H x 48" W	2	EACH	\$442.43	\$884.86
Pavement Striping with Layout on Roadways - Painted - 6" Wide	20	LNFT	\$0.47	\$9.40
Pavement Striping with Layout - Cross Walk	6	EACH	\$39.03	\$234.18
Pavement Striping with Layout - Turn Arrow or Shape	2	EACH	\$29.81	\$59.62
Traffic Sign with Post - Average	5	EACH	\$179.40	\$897.00
Pavement Striping with Layout - Standard Parking Stall - Painted	35	EACH	\$11.88	\$415.80
Pavement Striping with Layout - Handicap Parking Stall - Painted	5	EACH	\$29.81	\$149.05
Pavement Striping with Layout - No Parking with Cross Lines	500	SQFT	\$4.84	\$2,420.00
Parking Sign with Post - Average	7	EACH	\$122.72	\$859.04
Parking Lot Bumper - Precast Concrete with Pins - 6' Long	40	EACH	\$38.47	\$1,538.80
\$25,000 Allowance for Outdoor Signage	1	EACH	\$25,000.00	\$25,000.00
Bike Rack - Standard - 8'-0"	2	EACH	\$565.17	\$1,130.34
Concrete or GFRP Planter - 72"	10	EACH	\$2,080.22	\$20,802.20
Outdoor Bench - Concrete - Standard - 6'-0"	2	EACH	\$1,000.19	\$2,000.38
Trash Receptacle - Steel with Decorative Plastic Cover - Medium	2	EACH	\$571.39	\$1,142.78
Landscape Prep. - Level / Rake / Roll with Tractor - 10,000 to 50,000 SqFt	30000	SQFT	\$0.20	\$6,000.00
Spread Grass Seed with Hydro-Mulcher - Turf Mix	30000	SQFT	\$0.06	\$1,800.00
Spread Fiber Mulch Over Seed with Tractor	30000	SQFT	\$0.02	\$600.00
\$25,000 Allowance for Landscaping	1	LSUM	\$25,000.00	\$25,000.00
				\$446,295.11
03 - CONCRETE				
Sand Fill Under Slab On Grade - 6"	21100	SQFT	\$1.16	\$24,476.00
Stone Fill Under Slab On Grade - 6"	21100	SQFT	\$1.25	\$26,375.00
Slab On Grade - Rebar Reinf. - 4000 PSI - Trowel Finish - 8"	2500	SQFT	\$10.01	\$25,025.00
Conc. Wall - Strt. Forms - 70 LBS/CUYD - Pumped 4000 PSI - 8"	2350	SQFT	\$22.01	\$51,723.50
Slab On Grade - Rebar Reinf. - 4000 PSI - Trowel Finish - 6"	18600	SQFT	\$8.15	\$151,590.00
Elevated Slab on Deck - 4x4 WWF - 4000 PSI - Trowel Fin. - 5-1/2"	2500	SQFT	\$5.31	\$13,275.00
Elevated Slab - Blockout Edge Form - 6" Deep	500	LNFT	\$4.62	\$2,310.00
Continuous Footing - With Forms - With Reinf. - 3000 PSI - 24" x 24"	49	LNFT	\$44.95	\$2,202.55
Elevated Slab on Deck - 6x6 WWF - 3000 PSI - Trowel Fin. - 4-1/2"	21100	SQFT	\$4.64	\$97,904.00
Continuous Footing - With Forms - No Reinf. - 3000 PSI - 12" x 30"	100	LNFT	\$30.77	\$3,077.00
Concrete Stairs on Metal Pan - 3500 PSI - WWF - 48" W Riser	67	EACH	\$88.65	\$5,939.55
Concrete Stairs on Metal Pan - 3500 PSI - WWF - 48" x 96" Landing	5	EACH	\$578.06	\$2,890.30
Continuous Footing - With Forms - With Reinf. - 3000 PSI - 24" x 18"	1055	LNFT	\$35.26	\$37,199.30
Column Footing - 50LBS/CUYD Reinf. - 3000 PSI - 10'-0" x 10'-0" x 36"	34	EACH	\$2,749.10	\$93,469.40
Grade Beam - 150 LB / CUYD Reinf. - 4000 PSI - 24" x 36"	650	LNFT	\$98.04	\$63,726.00
Foundation Wall with Forms & Pump - 140 LBS/CUYD - 4500 PSI - 12"	500	SQFT	\$26.70	\$13,350.00
Precast Stairs - Set with Crane - 5' Wide x 5 Risers	1	EACH	\$905.46	\$905.46
				\$615,438.06
04 - MASONRY				
8" CMU Hollow Block Wall - Med. Wt. - Standard - No Openings	686	SQFT	\$7.81	\$5,357.66
8" CMU Hollow Block Wall - Med. Wt. - Standard - 5% Openings	5348	SQFT	\$8.03	\$42,944.44

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04 - MASONRY				
8" CMU Hollow Block Wall - Fluted Face - 30% Openings	7700	SQFT	\$10.95	\$84,315.00
Elevating Scaffold & Forklift - Up to 20' Work Height - Per Area of Wall	11160	SQFT	\$3.35	\$37,386.00
8" CMU Hollow Block Wall - Med. Wt. - Split Face - 5% Openings	5340	SQFT	\$8.65	\$46,191.00
				\$216,194.10
05 - METALS				
Structural Steel - Standard Design - 1 to 2 Stories - 12 LBS / SQFT	2500	SQFT	\$13.80	\$34,500.00
Structural Steel - Standard Design - 1 to 2 Stories - 8 LBS / SQFT	21100	SQFT	\$9.20	\$194,120.00
18 Ga. x 2" D - Composite Metal Deck with Crane & Welder	23600	SQFT	\$3.52	\$83,072.00
Metal Pan Stair - 48" Wide	67	EACH	\$349.84	\$23,439.28
Metal Pan Stair Landing - 48" x 96"	5	EACH	\$2,531.46	\$12,657.30
1-1/2" Stair / Floor Mounted (2) Pipe Rail - Steel	10	LNFT	\$31.56	\$315.60
1-1/2" Wall Mounted Pipe Rail - Steel	187	LNFT	\$20.65	\$3,861.55
				\$351,965.73
06 - WOOD & PLASTICS				
Plastic Laminated Casework - Common Stock - Avg. Cost - Tall Storage	6	LNFT	\$417.05	\$2,502.30
Plastic Laminated Casework - Common Stock - Avg. Cost - Shelving	6	LNFT	\$143.52	\$861.12
Plastic Laminated Casework - Common Stock - Avg. Cost - Base Cabinet	12	LNFT	\$358.77	\$4,305.24
Plastic Laminated Casework - Common Stock - Avg. Cost - Wall Cabinet	12	LNFT	\$273.54	\$3,282.48
Epoxy Resin Work Surface / Counter Top - With Backsplash	38	LNFT	\$157.00	\$5,966.00
Plastic Laminated Casework - Special Order - Avg. Cost - Base Cabinet	8	LNFT	\$493.58	\$3,948.64
Plastic Laminated Casework - Special Order - Avg. Cost - Wall Cabinet	8	LNFT	\$374.64	\$2,997.12
Solid Plastic / Polymer Work Surface / Counter Top - No Backsplash	8	LNFT	\$123.30	\$986.40
				\$24,849.30
07 - THERMAL & MOISTURE PROTECTION				
Bituminous Asphalt Waterproofing - Sprayed & Brushed - Thick Coating	2250	SQFT	\$1.17	\$2,632.50
Soil Sheet Drain Board - Polystyrene with Polypropylene Filter - 2"	2250	SQFT	\$2.55	\$5,737.50
Unfaced Fiberglass Non-Rigid Insulation - 3-1/2" Thick	21250	SQFT	\$0.67	\$14,237.50
Fireproofing per Area of Building - 1" Mineral Wool - Entire Steel Structure - Std. Design	2500	SQFT	\$3.30	\$8,250.00
Fireproofing per Area of Building - 1" Mineral Wool - Steel Beams - Std. Design	21100	SQFT	\$1.55	\$32,705.00
Fireproofing per Area of Building - 1" Mineral Wool - Steel Columns - Std. Design	21100	SQFT	\$0.42	\$8,862.00
60 mil PVC Single Ply Membrane Roofing - 4" Polyiso. Insul. - Fully Adhered	21100	SQFT	\$7.11	\$150,021.00
Roofing Underlayment - Polyester Backed	21100	SQFT	\$0.41	\$8,651.00
Roofing - Gravel Stop - Galvanized Steel - 8" Face Height	654	LNFT	\$7.78	\$5,088.12
Roofing - Treated Wood Curb - 4" x 6"	150	LNFT	\$4.80	\$720.00
Concrete Roof Paver - Standard Weight - 24" x 24" x 1-1/2"	100	EACH	\$24.37	\$2,437.00
Roof to Roof Expansion Joint - Foam Insul. - Reinf. Membrane - 4" to 6" Opening	70	LNFT	\$16.88	\$1,181.60
\$7,500 Allowance for Miscellaneous Roof Accessories	1	LSUM	\$7,500.00	\$7,500.00
Roof Hatch With Curb - Aluminum - Single Door - 48" x 48"	1	EACH	\$1,485.08	\$1,485.08
Louvered Intake Mushroom Top Roof Vent - Galvanized Steel - 18"	4	EACH	\$186.04	\$744.16
				\$250,252.46
08 - DOORS AND WINDOWS				
Double Hollow Core Steel Door with Frame, Panic Bar & Closer - 6'-0" x 8'-0"	6	EACH	\$3,709.37	\$22,256.22
Double Fire Door - Steel 18 ga. - Full Panel - 6'-0" x 6'-8" or 7'-0"	1	EACH	\$1,427.68	\$1,427.68
Double Hollow Core Steel Door with Frame, Panic Bar & Closer - 6'-0" x 7'-0"	8	EACH	\$3,508.27	\$28,066.16
Single Hollow Core Steel Door with Frame, Panic Bar & Closer - 4'-0" x 7'-0"	3	EACH	\$1,832.15	\$5,496.45
Hollow Core Metal Door - Add for Sidelight - Insulating Glass	6	EACH	\$372.70	\$2,236.20
Single Hollow Core Steel Door with Frame & Lockset - 3'-0" x 7'-0"	1	EACH	\$920.00	\$920.00
Double Hollow Core Steel Door with Frame & Lockset - 6'-0" x 8'-0"	6	EACH	\$1,587.17	\$9,523.02
Double Door - Add for Transom Frame with Metal Panel	3	EACH	\$703.55	\$2,110.65
Double Hollow Core Steel Door with Frame & Lockset - 6'-0" x 7'-0"	2	EACH	\$1,386.07	\$2,772.14
Single Hollow Core Steel Door with Frame & Lockset - 4'-0" x 7'-0"	2	EACH	\$1,017.85	\$2,035.70
Single Hollow Core Steel Door with Frame, Panic Bar & Closer - 3'-0" x 7'-0"	5	EACH	\$1,734.30	\$8,671.50
Single Solid Core Wood Door, Frame & Lockset - Oak - 3'-0" x 6'-8" or 7'-0"	14	EACH	\$650.97	\$9,113.58
Single Solid Core Wood Door, Frame & Lockset - Birch - 3'-0" x 6'-8" or 7'-0"	3	EACH	\$617.27	\$1,851.81
Double Solid Core Wood Door, Frame, Lockset & Closer - Oak - 6'-0" x 8'-0"	1	EACH	\$1,585.12	\$1,585.12
Solid Core Wood Door - Add for Sidelight - Interior Glass	2	EACH	\$305.29	\$610.58
Overhead Door - Heavy Duty Insulated - Manually Operated - 8' x 10'	1	EACH	\$1,554.69	\$1,554.69
Storefront Double Door & Frame - Aluminum - Insulated Glass - 6'-0" x 7'-0"	2	EACH	\$4,282.92	\$8,565.84
Storefront Door - Side Lite - Aluminum - Insulated Glass - 1'-6" x 7'-0"	4	EACH	\$1,275.53	\$5,102.12
Aluminum Window - Single Hung - Insul. Glass - Commercial Grade - Avg. Cost	3460	SQFT	\$34.84	\$120,546.40
Aluminum Window - Slider - Std. Glass - Commercial Grade - 36" x 36"	1	EACH	\$328.64	\$328.64
Overhead Door Holder / Stop - Heavy Duty	2	EACH	\$224.40	\$448.80
				\$235,223.30
09 - FINISHES				
Metal Stud Wall - 25 ga. Non-Load Bear. - 3-5/8" W - 24" OC	20179	SQFT	\$1.19	\$24,013.01
Beam / Soffit Framing - 5/8" Fire Res. Gyp. Bd. - Lvl 4 Fin. on Mtl Framing - Large	300	LNFT	\$29.30	\$8,790.00
Column Framing - 5/8" Fire Res. Gyp. Bd. - Lvl 4 Fin. on 3-5/8" Mtl Studs - 24" Sq.	60	VLF	\$34.81	\$2,088.60
Metal Stud Wall - 20 ga. Non-Load Bear. - 6" W - 16" OC	4908	SQFT	\$2.69	\$13,202.52
Beam / Soffit Framing - 1/2" Gyp. Bd. - Level 4 Finish on Metal Framing - Medium	62	LNFT	\$20.24	\$1,254.88
5/8" Fire Rated Gyp. Bd. Suspended Ceiling - Metal Framing - Level 4 Finish	450	SQFT	\$5.64	\$2,538.00
1/2" Water Res. Gyp. Bd. Suspended Ceiling - Metal Framing - Level 4 Finish	400	SQFT	\$5.66	\$2,264.00
5/8" Standard Gypsum Board on Walls with Level 4 Finishing	16833	SQFT	\$1.88	\$31,646.04

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09 - FINISHES				
5/8" Fire Resistant Gypsum Board on Walls with Level 4 Finishing	3346	SQFT	\$1.97	\$6,591.62
5/8" Fire Resistant Gypsum Board on Walls with Level 2 Finishing	4466	SQFT	\$1.63	\$7,279.58
Shaft / Stair Wall - 2-1/2" CT Studs - 1" Core Bd - (1) 5/8" FR Gyp. Bd. 1 Side	840	SQFT	\$4.71	\$3,956.40
5/8" Water Resistant Gypsum Board on Walls with Level 4 Finishing	3788	SQFT	\$2.06	\$7,803.28
Shaft / Stair Wall - 2-1/2" CT Studs - 1" Core Bd - (2) 5/8" FR Gyp. Bd. 1 Side	4500	SQFT	\$6.25	\$28,125.00
Ceramic Tile Wall - Common Stock - 6" x 6"	1190	SQFT	\$9.22	\$10,971.80
Ceramic Tile Floor - Common Stock - Group 4 (Heavy Duty)	400	SQFT	\$15.27	\$6,108.00
Ceramic Tile Trim - Base - 4" High	170	LNFT	\$15.10	\$2,567.00
15/16" T Bar Suspended Ceiling - Tegular Tile - 2' x 2' Fire Rated Grid	19620	SQFT	\$3.71	\$72,790.20
15/16" T Bar Suspended Ceiling - Average Tile - 2' x 4' Fire Rated Grid	600	SQFT	\$2.96	\$1,776.00
15/16" T Bar Suspended Ceiling - Average Tile - 2' x 2' Fire Rated Grid	180	SQFT	\$3.29	\$592.20
Acoustical Glass Fiber Batt - Unfaced - 3-1/2" Thick	25087	SQFT	\$0.66	\$16,557.42
Fabric Wrapped Acoustical Panel - 1-1/2" Thick	569	SQFT	\$12.67	\$7,209.23
Open Ceiling - Unfinished	124	****		
Suspended Ceiling Cloud - 2" Fabric Covered Acoustic Board	1600	SQFT	\$15.76	\$25,216.00
VCT - Vinyl Composite Tile Flooring - Solid Color - Heavy Duty	450	SQFT	\$4.34	\$1,953.00
VCT - Vinyl Composite Tile Flooring - Marble or Stone Pattern - Heavy Duty	520	SQFT	\$6.03	\$3,135.60
VCT - Vinyl Composite Tile Flooring - Solid Color - Medium Duty	80	SQFT	\$3.33	\$266.40
Vinyl or Rubber Base - .125" Thick - 4" High	1778	LNFT	\$2.36	\$4,196.08
Vinyl or Rubber Base - .080" Thick - 4" High	472	LNFT	\$2.23	\$1,052.56
Carpet - Commercial Grade - Medium Duty	3240	SQFT	\$3.48	\$11,275.20
Carpet Pad - Rebond (Bonded Urethane Foam) - Medium Duty (6 LB)	3240	SQFT	\$0.83	\$2,689.20
Carpet - Commercial Grade - Heavy Duty	16320	SQFT	\$4.59	\$74,908.80
Carpet Pad - Rebond (Bonded Urethane Foam) - Heavy Duty (8 LB)	16320	SQFT	\$1.06	\$17,299.20
Painting - Primer + 2 Finish Coats - Brush / Roller - Smooth Surface	21411	SQFT	\$1.10	\$23,552.10
Painting - Primer + 2 Finish Coats - Sprayer - Smooth Surface	1690	SQFT	\$0.84	\$1,419.60
Painting - Primer + 2 Finish Coats - Sprayer - Rough Surface	686	SQFT	\$0.92	\$631.12
Painting - Primer + 1 Finish Coat - Sprayer - Smooth Surface	10968	SQFT	\$0.57	\$6,251.76
Painting - Primer + 1 Finish Coat - Brush / Roller - Smooth Surface	2556	SQFT	\$0.78	\$1,993.68
Epoxy Sealer / Coating - Floor Finish - Medium Duty	2090	SQFT	\$2.38	\$4,974.20
Vinyl Wall Covering - 20 oz. Medium Weight - Decorative Pattern	1518	SQFT	\$2.74	\$4,159.32
				\$443,098.60
10 - SPECIALTIES				
Toilet Partition - Enameled Steel - Corner Unit - Triple Stall - (1) Handicap	2	EACH	\$2,228.74	\$4,457.48
Urinal Screen - Baked Enamel	1	EACH	\$206.13	\$206.13
Flagpole - Aluminum - Internal Halyard - Manual - 90 MPH Wind - 30'	3	EACH	\$4,232.61	\$12,697.83
Flagpole Base Foundation - Excavation & Concrete - Up to 30' High	3	EACH	\$760.32	\$2,280.96
Crane For Flagpole Installation - Up to 30' Tall	3	EACH	\$623.00	\$1,869.00
Mirror - Standard with Angle Frame & Shelf - 24" x 36"	2	EACH	\$264.85	\$529.70
Towel Disp. / Waste Receptacle - Stainless Steel - Surface Mtd. - 42" Tall	4	EACH	\$736.24	\$2,944.96
Soap Dispenser - Lavatory Mounted - Manual	6	EACH	\$147.87	\$887.22
Combination Unit - Recessed - Seat Cover / Dual Tissue Dispenser	9	EACH	\$394.86	\$3,553.74
Mirror - Standard with Angle Frame - 36" x 60"	4	EACH	\$830.61	\$3,322.44
Grab Bar - Stainless Steel - Safety Grip Finish - 36"	2	EACH	\$95.93	\$191.86
Hand Dryer - Sensor Operated - Surface Mount - White	2	EACH	\$668.41	\$1,336.82
Tampon / Napkin Vendor	1	EACH	\$440.10	\$440.10
				\$34,718.24
11 - EQUIPMENT				
Library Shelving - Laminated Wood - Single Faced - 90" H	300	LNFT	\$248.58	\$74,574.00
Library Shelving - Laminated Wood - Double Faced - 90" H	1200	LNFT	\$435.31	\$522,372.00
Library Built-In Check Out - Charging - Assistance Desk - Standard	2	EACH	\$2,203.98	\$4,407.96
Library Carrel - Laminated Wood - Double - 36" x 64" x 48"	5	EACH	\$1,027.61	\$5,138.05
Library Computer Station - Laminated Wood - Double - 30" x 60" x 32"	5	EACH	\$919.77	\$4,598.85
\$10,000 Allowance for Audio / Visual System Rough-In	1	LSUM	\$10,000.00	\$10,000.00
Manual Dock Leveler - Hinged Lip - 25,000 Lb. - 6' x 10'	1	EACH	\$5,572.01	\$5,572.01
Door Seal - Hypalon Coated - 10" Deep - 8' x 10' Door Opening	1	EACH	\$1,293.78	\$1,293.78
Laminated Dock Bumper - 6" Thick - 12" H x 24" W	2	EACH	\$135.69	\$271.38
Kitchen Refrigerator - 20 CUFT - Standard	1	EACH	\$1,073.27	\$1,073.27
Microwave - Standard	1	EACH	\$570.34	\$570.34
Electric Freestanding Range - Single Oven - Standard	1	EACH	\$1,005.86	\$1,005.86
Garbage Disposal - Standard	1	EACH	\$302.83	\$302.83
Dishwashers - Built-In - Standard	1	EACH	\$869.31	\$869.31
				\$632,049.64
14 - CONVEYORS				
Pit Excavation - Single Hydraulic Elevator - 4000 LB to 6000 LB	1	EACH	\$2,249.35	\$2,249.35
Elevator Pit Construction - Single Hydraulic - 4000 LB to 6000 LB	1	EACH	\$7,562.24	\$7,562.24
Freight Elevator - Hydraulic - 5000 LB - 2 Stops - 50 FPM	1	EACH	\$75,415.34	\$75,415.34
				\$85,226.93
15 - MECHANICAL				
Roof Drain - Cast Iron Body - Galvanized Dome - 2" to 4" Pipe	8	EACH	\$440.05	\$3,520.40
Roof Drain - Add for Vertical Expansion Joint - 4" Pipe	8	EACH	\$343.28	\$2,746.24
\$2.00 / SQFT Allowance for Entire Fire Protection System	23700	SQFT	\$2.00	\$47,400.00

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15 - MECHANICAL				
\$3.50 / SQFT Allowance for Entire Plumbing System	23700	SQFT	\$3.50	\$82,950.00
PVC DWV Sch 40 - (1) Tee, (2) Elbows & 10' of Pipe - 4"	8	EACH	\$241.56	\$1,932.48
PVC DWV Sch 40 - Add for Each 1' of Riser Pipe - 4"	120	LNFT	\$9.73	\$1,167.60
Service / Mop Sink - Wall Mtd. - Enameled Cast Iron - 24" x 20"	1	EACH	\$978.29	\$978.29
Service Utility Faucet - Commercial Grade - Heavy Duty	1	EACH	\$446.79	\$446.79
Wall Hung Sink / Lavatory Rough-In - Carrier - Copper Supply - PVC Waste	1	EACH	\$585.60	\$585.60
Kitchen Sink - Stainless Steel - 43" x 22" Double	1	EACH	\$902.23	\$902.23
Kitchen Sink Faucet - Standard	1	EACH	\$244.57	\$244.57
Counter Top Sink / Lavatory Rough-In - Copper Supply - C.I. Waste	7	EACH	\$516.03	\$3,612.21
Lavatory - Porcelain Enamel C.I. - Counter Mounted - Std. Color - 20" X 17"	6	EACH	\$338.45	\$2,030.70
Lavatory Faucet - Automatic Sensor Operated - Standard	2	EACH	\$405.13	\$810.26
Water Closet - Back Outlet Bowl Only - Floor Mtd. - Standard	7	EACH	\$758.77	\$5,311.39
Toilet Seat with Cover - Antimicrobial Composition	2	EACH	\$86.42	\$172.84
Exposed Flush Valve - Top Spud - Water Closet	2	EACH	\$217.61	\$435.22
Floor Mount Water Closet Rough-In - Copper Supply - C.I. Waste	9	EACH	\$751.63	\$6,764.67
Lavatory Faucet - Automatic Sensor Operated - Decorative	4	EACH	\$499.50	\$1,998.00
Water Closet - Back Outlet Bowl Only - Floor Mtd. - ADA Height	2	EACH	\$839.65	\$1,679.30
Toilet Seat - NO Cover - Antimicrobial Composition	7	EACH	\$72.93	\$510.51
Exposed Flush Valve + Auto. Sensor / Oper. - Top Spud - Water Closet	7	EACH	\$487.23	\$3,410.61
Wall Hung Urinal - Blowout Flush - Vitreous China - Std. Color	2	EACH	\$973.46	\$1,946.92
Exposed Flush Valve + Auto. Sensor / Oper. - Top Spud - Urinal	2	EACH	\$487.23	\$974.46
Wall Hung Urinal Rough-In - Carrier - Copper Supply - C.I. Waste	2	EACH	\$852.28	\$1,704.56
Sts. Stil. Water Cooler - Surface Wall Mtd. - Two Station - ADA Unit	1	EACH	\$2,229.62	\$2,229.62
Wall Hung Wat.Cooler / Fountain Rough-In - Carrier - Cu. Supply - C.I. Waste	1	EACH	\$563.69	\$563.69
Pedestal Sump Pump - Cast Iron / Steel - 1/2 HP	1	EACH	\$464.61	\$464.61
\$15.00 / SQFT Allowance for Entire HVAC System	23700	SQFT	\$15.00	\$355,500.00
\$20,000 Allowance for AHU Equipment	1	LSUM	\$20,000.00	\$20,000.00
12" x 12" Diffuser in 24" x 24" Lay In Panel with Flex Duct & Tap	26	EACH	\$340.38	\$8,849.88
Aluminum Return Air Grille - 18" x 18"	19	EACH	\$90.52	\$1,719.88
24" x 24" Diffuser in 24" x 24" Lay In Panel with Flex Duct & Tap	55	EACH	\$778.11	\$42,796.05
Aluminum Return Air Grille - 24" x 24"	41	EACH	\$135.77	\$5,566.57
18" x 18" Air Diffuser with Flex Duct & Tap	1	EACH	\$635.95	\$635.95
18" x 18" Aluminum Return Grille with Flex Duct & Tap	10	EACH	\$351.57	\$3,515.70
9" x 9" Diffuser in 24" x 24" Lay In Panel with Flex Duct & Tap	1	EACH	\$294.84	\$294.84
12" x 12" Aluminum Return Grille with Flex Duct & Tap	1	EACH	\$227.55	\$227.55
24" x 24" Air Diffuser with Flex Duct & Tap	1	EACH	\$834.27	\$834.27
18" x 18" Diffuser in 24" x 24" Lay In Panel with Flex Duct & Tap	1	EACH	\$587.85	\$587.85
				\$618,022.31
16 - ELECTRICAL				
Rough In Box, Plaster Ring & 15' of 3/4" EMT - St*Comp Ftgs & Branch Wire	1304	EACH	\$169.11	\$220,519.47
Rough In Box, Plaster Ring & 20' of 3/4" EMT - St*Comp Ftgs & Branch Wire	44	EACH	\$211.96	\$9,326.24
Rough In Box, Plaster Ring & 20' of 3/4" EMT - St*SS Ftgs & Branch Wire	36	EACH	\$197.76	\$7,119.36
Rough In Box, Plaster Ring & 30' of 3/4" EMT - St*SS Ftgs & Branch Wire	3	EACH	\$279.74	\$839.22
SPST - 3 Gang Switch with Plastic Plate	2	EACH	\$84.62	\$169.24
Fluorescent Slide Dimmer - 1000W - 20 Lamps	2	EACH	\$96.68	\$193.36
Duplex Receptacle with Plastic Plate - Spec Grade - 20A	130	EACH	\$30.53	\$3,968.90
2 Gang Iso-Gr. Duplex Receptacle with Plastic Plate - Spec Grade - 20A	27	EACH	\$88.04	\$2,377.08
Iso.Gr. Dplx Recept. + Comm. Opening - 2 Gang Steel Floor Box + Trim	7	EACH	\$334.63	\$2,342.41
Occupancy Sensor - Ceiling Mtd - Infrared - Self Contained	6	EACH	\$110.16	\$660.96
\$5,000 Allowance for Misc. Switches & Lighting Controls	1	LSUM	\$5,000.00	\$5,000.00
\$0.50 / SQFT Allowance for Receptacles & Misc. Branch Wiring	23700	SQFT	\$0.50	\$11,850.00
SPST - 1 Gang Switch with Stainless Steel Plate	1	EACH	\$30.13	\$30.13
GFI Receptacle with Stainless Steel Plate - Spec Grade - 20A	14	EACH	\$42.55	\$595.70
Single Gang Receptacle with WP Cover - Cast Iron FS Box - GFI Duplex	3	EACH	\$100.71	\$302.13
Single Gang Switch with WP Cover - Cast Iron FS Box - SPST 20A	1	EACH	\$88.29	\$88.29
Occupancy Sensor - Wall Mtd - Infrared - with Switch	15	EACH	\$55.65	\$834.75
Duplex Receptacle with Stainless Steel Plate - Spec Grade - 20A	24	EACH	\$31.14	\$747.36
Occ. Sensor - Ceiling Mtd - Infrared & Ultrasonic - 24 VDC with Relay	20	EACH	\$172.56	\$3,451.20
3 Way - 1 Gang Switch with Stainless Steel Plate	2	EACH	\$38.80	\$77.60
Special Outlet with Box, Plate, 50' of EMT & Wire - N14-50R	1	EACH	\$895.62	\$895.62
3 Way - 2 Gang Switch with Stainless Steel Plate	4	EACH	\$73.65	\$294.60
Twist-Lock Outlet with Box, Plate, 100' of EMT & Wire - L5-20R	1	EACH	\$798.10	\$798.10
Iso.Gr. Dbl. Duplex Receptacle - Fire Rated Poke Thru with Core Drill	1	EACH	\$332.19	\$332.19
\$0.25 / SQFT Allowance for Grounding	23700	SQFT	\$0.25	\$5,925.00
\$3.00 / SQFT Allowance for Electric Distribution Equip. & Feeders	7700	SQFT	\$3.00	\$23,100.00
\$2.50 / SQFT Allowance for Electric Distribution Equip. & Feeders	16000	SQFT	\$2.50	\$40,000.00
\$1.50 / SQFT Allowance for Motor & Equipment Wiring	7700	SQFT	\$1.50	\$11,550.00
100' Long - 60A IMC Feeder, Encl. ST Brkr. & Elevator Controller Connection	1	EACH	\$3,180.67	\$3,180.67
Connect Elevator Lights - Switch & 100' of 3/4" EMT DC*SS Ftgs & Wire	1	EACH	\$899.15	\$899.15
\$1.00 / SQFT Allowance for Motor & Equipment Wiring	16000	SQFT	\$1.00	\$16,000.00
Motor / Equip Connection - 208V/240V - 2P - 20A (< 2 Hp)	2	EACH	\$31.97	\$63.94
Fixture Support - Jack Chain	36	EACH	\$1.80	\$64.80

Kisent Corporation

Project: New Library Building

Lombard, Illinois

Date: 10/11/07

Description	Quantity	U/M	Unit Price	Unit Price Ext
16 - ELECTRICAL				
2' x 4' - 3 Lamp 3" Parabolic Fluorescent Lay In	287	EACH	\$158.29	\$45,429.23
2' x 4' - 2 Lamp 3" Parabolic Fluorescent Lay In	7	EACH	\$146.55	\$1,025.85
8" Comp. Fluor. Downlight - (2) 42W Lamp - Clear Open Reflector	9	EACH	\$226.09	\$2,034.81
2' x 4' - 2 Lamp Acrylic Lens Fluorescent Lay In	4	EACH	\$122.29	\$489.16
\$15,000.00 Allowance for Misc. Additional Lighting	1	LSUM	\$15,000.00	\$15,000.00
4' Industrial Fluorescent - 2 Lamp	36	EACH	\$102.46	\$3,688.56
Compact Fluorescent Light - Vapor-Tite "Jelly Jar" with Guard	1	EACH	\$118.06	\$118.06
4' - 3 Lamp Decorative Direct / Indirect Pendant Fluorescent	300	EACH	\$365.90	\$109,770.00
Library Stack Shelving Light Fixture Support Bracket - Standard	300	EACH	\$93.02	\$27,906.00
6" Comp. Fluor. Downlight - (2) 26W Lamp - Clear Open Reflector	42	EACH	\$195.09	\$8,193.78
Adder for Emergency Battery Backup	56	EACH	\$139.62	\$7,818.72
Exit Light with Battery - Single Face - Edge-Lit - LED	9	EACH	\$255.16	\$2,296.44
4' Industrial Fluorescent - 2 Lamp HO (High Output)	3	EACH	\$142.90	\$428.70
Em. Light - Ni. Cad. Battery - Commercial - Thermoplastic - (2) 12W Heads	5	EACH	\$207.98	\$1,039.90
2' x 4' - 3 Lamp Commercial Direct / Indirect Fluorescent Lay In	4	EACH	\$251.51	\$1,006.04
2' x 4' - 3 Lamp Premium Direct / Indirect Fluorescent Lay In	3	EACH	\$339.14	\$1,017.42
6" Comp. Fluor. Downlight - (2) 26W Lamp - Open Reflector with Baffle	4	EACH	\$201.83	\$807.32
2' x 2' - 2 Lamp Acrylic Lens Fluorescent Lay In	2	EACH	\$115.54	\$231.08
2' x 4' - 3 Lamp Acrylic Lens Fluorescent Lay In	4	EACH	\$134.02	\$536.08
Exit Light - Single Face - Edge-Lit - LED	5	EACH	\$194.50	\$972.50
4' Commercial Wall Bracket Fluorescent	9	EACH	\$179.67	\$1,617.03
\$25,000.00 Allowance for Site Lighting	1	LSUM	\$25,000.00	\$25,000.00
\$15,000 Generator / Emergency Power Allowance	1	LSUM	\$15,000.00	\$15,000.00
\$0.25 / SQFT Allowance for TVSS / Lightning Protection	7700	SQFT	\$0.25	\$1,925.00
\$1.00 / SQFT Allowance for Fire Alarm System	7700	SQFT	\$1.00	\$7,700.00
\$0.50 / SQFT Allowance for Security CCTV System	23700	SQFT	\$0.50	\$11,850.00
Fire Alarm Aux. Contact Smoke Detector with Box, 30' of 3/4" EMT & Cable	2	EACH	\$484.80	\$969.60
Fire Alarm Aux. Contact Heat Detector with Box, 30' of 3/4" EMT & Cable	2	EACH	\$484.80	\$969.60
\$1.25 / SQFT Allowance for Fire Alarm System	16000	SQFT	\$1.25	\$20,000.00
\$1.00 / SQFT Allowance for Security Access Control System	16000	SQFT	\$1.00	\$16,000.00
Communication Rough-In Box - 25' of 3/4" EMT St-SS Ftgs & Pull String	38	EACH	\$182.23	\$6,924.74
\$0.75 / SQFT Allowance for Communication Rough-In	23700	SQFT	\$0.75	\$17,775.00
Voice / Data Plate with (1) Cat 3 Jack & 150' of Cable	1	EACH	\$110.60	\$110.60
Communication Rough-In Box - 100' of 3/4" EMT St-SS Ftgs & Pull String	2	EACH	\$604.64	\$1,209.28
Communication Rough-In Box - 50' of 3/4" EMT St-SS Ftgs & Pull String	2	EACH	\$328.66	\$657.32
Voice / Data Plate with (1) Cat 3 Jack & 150' of Plenum Cable	1	EACH	\$118.10	\$118.10
Communication Rough-In Box - 10' of 3/4" EMT St-SS Ftgs & Pull String	1	EACH	\$102.24	\$102.24
Communication Connection Rough-In to Furniture - Poke Thru Floor Box	1	EACH	\$308.22	\$308.22
\$0.25 / SQFT Allowance for Cable TV System	16000	SQFT	\$0.25	\$4,000.00
				\$735,643.85

**** REPORT TOTAL ****

\$4,688,977.50

Project Labor Crew Report

Labor Group	Classification	Avg in Crew	Productivity	Base Rate	Burden 1	Burden 2	Total Rate	Rate X Qty
Crew Code: BRICK								
Bricklayers	Apprentice	1.0	100.00%	\$18.18	\$11.94	\$11.19	\$41.31	\$41.31
Bricklayers	Journeyman	3.0	100.00%	\$26.40	\$11.94	\$14.24	\$52.58	\$157.74
Bricklayers	Foreman	1.0	70.00%	\$27.92	\$11.94	\$14.81	\$54.67	\$54.67
Crew Totals		5.0	94.00%	Productive				\$253.72
Composite Rate Per Productive Hour								\$53.98
Crew Code: CARP								
Carpenter	Foreman	1.0	60.00%	\$29.32	\$11.24	\$15.47	\$56.03	\$56.03
Carpenter	Journeyman	3.0	100.00%	\$28.31	\$11.24	\$15.09	\$54.64	\$163.92
Carpenter	Apprentice	1.0	100.00%	\$18.02	\$11.24	\$11.16	\$40.43	\$40.43
Crew Totals		5.0	92.00%	Productive				\$260.38
Composite Rate Per Productive Hour								\$56.60
Crew Code: CARP-LABOR								
Carpenter	Journeyman	2.0	100.00%	\$28.31	\$11.24	\$15.09	\$54.64	\$109.28
Labor	Journeyman	2.0	100.00%	\$25.20	\$10.44	\$13.95	\$49.59	\$99.18
Crew Totals		4.0	100.00%	Productive				\$208.46
Composite Rate Per Productive Hour								\$52.12
Crew Code: DRIVER								
Operating Engineers	Building Class (Small, Medium)	1.0	100.00%	\$29.23	\$11.72	\$16.03	\$56.98	\$56.98
Crew Totals		1.0	100.00%	Productive				\$56.98
Composite Rate Per Productive Hour								\$56.98
Crew Code: ELECT1								
Electricians	Foreman	1.0	60.00%	\$29.69	\$15.64	\$12.31	\$57.64	\$57.64
Electricians	Journeyman	3.0	100.00%	\$27.71	\$15.64	\$11.77	\$55.12	\$165.36
Electricians	Apprentice	1.0	100.00%	\$19.08	\$15.64	\$9.43	\$44.15	\$44.15
Crew Totals		5.0	92.00%	Productive				\$267.15
Composite Rate Per Productive Hour								\$58.08
Crew Code: ELEV								
Elevator Constructors-Mechanics	Journeyman	2.0	100.00%	\$36.97	\$10.81	\$13.45	\$61.23	\$122.46
Elevator Constructors-Mechanics	Foreman	1.0	75.00%	\$37.77	\$10.81	\$13.68	\$62.26	\$62.26
Crew Totals		3.0	92.00%	Productive				\$184.72
Composite Rate Per Productive Hour								\$66.93

Project Labor Crew Report

Labor Group	Classification	Avg in Crew	Productivity	Base Rate	Burden 1	Burden 2	Total Rate	Rate X Qty
Crew Code: IRONA								
Ironworkers - Architectural - Ornamental	Journeyman	3.0	100.00%	\$22.39	\$12.24	\$14.60	\$49.23	\$147.69
Ironworkers - Architectural - Ornamental	Apprentice	1.0	100.00%	\$13.84	\$12.24	\$10.99	\$37.07	\$37.07
Ironworkers - Architectural - Ornamental	Foreman	1.0	60.00%	\$24.28	\$12.24	\$15.39	\$51.91	\$51.91
Crew Totals		5.0	92.00%	Productive			\$236.67	
							Composite Rate Per Productive Hour	\$51.45
Crew Code: IRONS								
Ironworkers - Structural	Foreman	1.0	60.00%	\$32.46	\$17.49	\$28.55	\$78.50	\$78.50
Ironworkers - Structural	Journeyman	3.0	100.00%	\$30.85	\$17.49	\$27.63	\$75.97	\$227.91
Ironworkers - Structural	Apprentice	1.0	100.00%	\$18.55	\$17.49	\$20.60	\$56.64	\$56.64
Crew Totals		5.0	92.00%	Productive			\$363.05	
							Composite Rate Per Productive Hour	\$78.92
Crew Code: LABORER								
Labor	Journeyman	2.0	100.00%	\$25.20	\$10.44	\$13.95	\$49.59	\$99.18
Labor	Foreman	1.0	70.00%	\$26.61	\$10.44	\$14.51	\$51.56	\$51.56
Labor	Apprentice	1.0	100.00%	\$16.94	\$10.44	\$10.72	\$38.09	\$38.09
Crew Totals		4.0	93.00%	Productive			\$188.83	
							Composite Rate Per Productive Hour	\$50.76
Crew Code: MASON								
Cement Masons	Journeyman	3.0	100.00%	\$28.94	\$9.59	\$17.78	\$56.31	\$168.93
Cement Masons	Apprentice	1.0	100.00%	\$18.94	\$9.59	\$13.17	\$41.70	\$41.70
Cement Masons	Foreman	1.0	60.00%	\$30.45	\$9.59	\$18.48	\$58.53	\$58.53
Crew Totals		5.0	92.00%	Productive			\$269.16	
							Composite Rate Per Productive Hour	\$58.51
Crew Code: OPERH								
Operating Engineers	Heavy Equipment	1.0	100.00%	\$29.62	\$11.72	\$16.18	\$57.52	\$57.52
Crew Totals		1.0	100.00%	Productive			\$57.52	
							Composite Rate Per Productive Hour	\$57.52
Crew Code: OPERM								
Operating Engineers	Building Class (Small, Medium)	1.0	100.00%	\$29.23	\$11.72	\$16.03	\$56.98	\$56.98
Crew Totals		1.0	100.00%	Productive			\$56.98	
							Composite Rate Per Productive Hour	\$56.98

Project Labor Crew Report

Labor Group	Classification	Avg in Crew	Productivity	Base Rate	Burden 1	Burden 2	Total Rate	Rate X Qty
Crew Code: PAINT								
Painters	Foreman	1.0	60.00%	\$29.77	\$10.18	\$13.65	\$53.59	\$53.59
Painters	Journeyman	3.0	100.00%	\$26.46	\$10.18	\$12.52	\$49.15	\$147.45
Painters	Apprentice	1.0	100.00%	\$17.69	\$10.18	\$9.52	\$37.38	\$37.38
Crew Totals		5.0	92.00%	Productive				\$238.42
Composite Rate Per Productive Hour								\$51.83
Crew Code: PIPEFITTERS								
Pipefitter	Apprentice	1.0	100.00%	\$20.00	\$13.41	\$10.30	\$43.71	\$43.71
Pipefitter	Foreman	1.0	60.00%	\$31.68	\$13.41	\$13.90	\$58.99	\$58.99
Pipefitter	Journeyman	3.0	100.00%	\$30.08	\$13.41	\$13.41	\$56.90	\$170.70
Crew Totals		5.0	92.00%	Productive				\$273.40
Composite Rate Per Productive Hour								\$59.43
Crew Code: PLAST								
Plasterers	Apprentice	1.0	100.00%	\$17.29	\$11.36	\$9.50	\$38.14	\$38.14
Plasterers	Foreman	1.0	60.00%	\$27.79	\$11.36	\$12.98	\$52.12	\$52.12
Plasterers	Journeyman	3.0	100.00%	\$26.24	\$11.36	\$12.47	\$50.06	\$150.18
Crew Totals		5.0	92.00%	Productive				\$240.44
Composite Rate Per Productive Hour								\$52.27
Crew Code: PLMBR								
Plumbers	Apprentice	1.0	100.00%	\$21.60	\$13.30	\$9.82	\$44.72	\$44.72
Plumbers	Foreman	1.0	60.00%	\$33.36	\$13.30	\$13.13	\$59.78	\$59.78
Plumbers	Journeyman	3.0	100.00%	\$31.76	\$13.30	\$12.68	\$57.74	\$173.22
Crew Totals		5.0	92.00%	Productive				\$277.72
Composite Rate Per Productive Hour								\$60.37
Crew Code: POUR-IN-PLACE								
Labor	Journeyman	2.0	100.00%	\$25.20	\$10.44	\$13.95	\$49.59	\$99.18
Cement Masons	Apprentice	1.0	100.00%	\$18.94	\$9.59	\$13.17	\$41.70	\$41.70
Cement Masons	Foreman	1.0	60.00%	\$30.45	\$9.59	\$18.48	\$58.53	\$58.53
Cement Masons	Journeyman	2.0	100.00%	\$28.94	\$9.59	\$17.78	\$56.31	\$112.62
Crew Totals		6.0	93.00%	Productive				\$312.03
Composite Rate Per Productive Hour								\$55.92

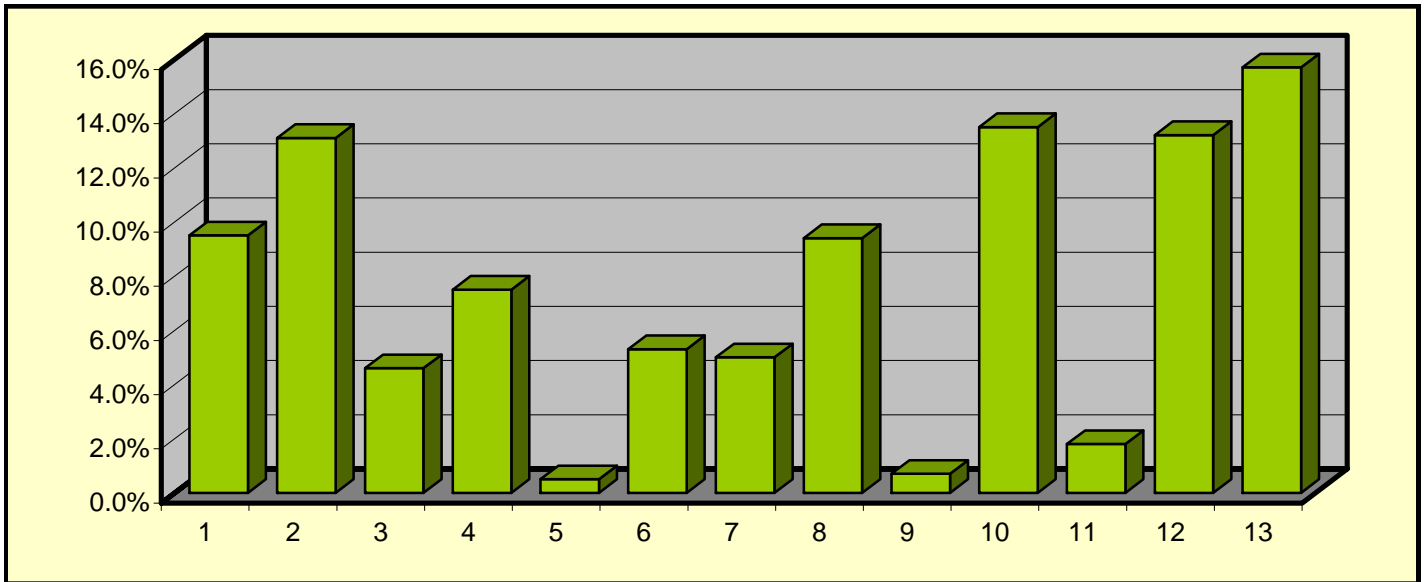
Project Labor Crew Report

Labor Group	Classification	Avg in Crew	Productivity	Base Rate	Burden 1	Burden 2	Total Rate	Rate X Qty
Crew Code: ROOF								
Roofers	Foreman	1.0	60.00%	\$27.64	\$7.65	\$18.76	\$54.05	\$54.05
Roofers	Journeyman	3.0	100.00%	\$26.09	\$7.65	\$17.93	\$51.67	\$155.01
Roofers	Apprentice	1.0	100.00%	\$17.83	\$7.65	\$13.54	\$39.02	\$39.02
Crew Totals		5.0	92.00%	Productive				\$248.08
Composite Rate Per Productive Hour								\$53.93
Crew Code: SHTML								
Sheet Metal Workers	Apprentice	1.0	100.00%	\$18.40	\$14.18	\$10.80	\$43.38	\$43.38
Sheet Metal Workers	Foreman	1.0	60.00%	\$31.94	\$14.18	\$15.28	\$61.39	\$61.39
Sheet Metal Workers	Journeyman	3.0	100.00%	\$29.57	\$14.18	\$14.50	\$58.25	\$174.75
Crew Totals		5.0	92.00%	Productive				\$279.52
Composite Rate Per Productive Hour								\$60.77
Crew Code: TELCOM								
Electricians- Telecommunications	Apprentice	1.0	100.00%	\$16.79	\$11.27	\$7.62	\$35.68	\$35.68
Electricians- Telecommunications	Journeyman	3.0	100.00%	\$24.76	\$11.27	\$9.78	\$45.81	\$137.43
Electricians- Telecommunications	Foreman	1.0	70.00%	\$26.67	\$11.27	\$10.31	\$48.24	\$48.24
Crew Totals		5.0	94.00%	Productive				\$221.35
Composite Rate Per Productive Hour								\$47.10
Crew Code: TILE								
Ceramic Tile Layers	Apprentice	1.0	100.00%	\$17.46	\$10.60	\$8.74	\$36.80	\$36.80
Ceramic Tile Layers	Journeyman	3.0	100.00%	\$27.46	\$10.60	\$11.86	\$49.92	\$149.76
Ceramic Tile Layers	Journeyman	1.0	60.00%	\$27.46	\$10.60	\$11.86	\$49.92	\$49.92
Crew Totals		5.0	92.00%	Productive				\$236.48
Composite Rate Per Productive Hour								\$51.41

PROJECT RECAP & SUMMARY

Description	Unit Price Ext	Value Per: 23700 SQFT
02 - SITEWORK	\$446,295.11	\$18.83
03 - CONCRETE	\$615,438.06	\$25.97
04 - MASONRY	\$216,194.10	\$9.12
05 - METALS	\$351,965.73	\$14.85
06 - WOOD & PLASTICS	\$24,849.30	\$1.05
07 - THERMAL & MOISTURE PROTECTION	\$250,252.46	\$10.56
08 - DOORS AND WINDOWS	\$235,223.30	\$9.93
09 - FINISHES	\$443,098.60	\$18.70
10 - SPECIALTIES	\$34,718.24	\$1.46
11 - EQUIPMENT	\$632,049.64	\$26.67
14 - CONVEYORS	\$85,226.93	\$3.60
15 - MECHANICAL	\$618,022.31	\$26.08
16 - ELECTRICAL	\$735,643.85	\$31.04
**** REPORT TOTAL ****	\$4,688,977.50	\$197.85
===== SUMMARY =====		
SUMMARY MARKUPS		
General Conditions OH&P *** 15.00% of Total	\$703,346.63	\$29.68
Contingencies *** 7.00% of Total	\$377,462.69	\$15.93
MARKUP TOTAL	\$1,080,809.00	\$45.60
ESTIMATE TOTAL	\$5,769,787.00	\$243.45

New Library Building Percentage of Cost Report



1	02 - SITEWORK	\$446,295.11	9.5%
2	03 - CONCRETE	\$615,438.06	13.1%
3	04 - MASONRY	\$216,194.10	4.6%
4	05 - METALS	\$351,965.73	7.5%
5	06 - WOOD & PLASTICS	\$24,849.30	0.5%
6	07 - THERMAL & MOISTURE PROTECTION	\$250,252.46	5.3%
7	08 - DOORS AND WINDOWS	\$235,223.30	5.0%
8	09 - FINISHES	\$443,098.60	9.4%
9	10 - SPECIALTIES	\$34,718.24	0.7%
10	11 - EQUIPMENT	\$632,049.64	13.5%
11	14 - CONVEYORS	\$85,226.93	1.8%
12	15 - MECHANICAL	\$618,022.31	13.2%
13	16 - ELECTRICAL	\$735,643.82	15.7%

**** REPORT TOTAL ****

\$4,688,977.60