

Shutesbury Public Library
Shutesbury, MA

July 28, 2023

GRAND SUMMARY

BUILDING AND SITE		\$4,709,211

TOTAL DIRECT COST		\$4,709,211
GENERAL CONDITIONS	7%	\$329,645
GENERAL REQUIREMENTS	3%	\$125,971
P&P BOND AND INSURANCE	1.85%	\$95,549
PERMIT	0%	\$0
FEE/PROFIT	2.5%	\$131,509
DESIGN CONTINGENCY	10%	\$539,189
ESCALATION (spring 2024)	3.5%	\$207,588

TOTAL CONSTRUCTION COST		\$6,138,662
COST PER SF	\$1,416.40	

NEW ALTERNATES:

FLOOR FINISH:

ILO TARKETT LINOLEUM SUBSTITUTE FINISHED RETRO PLATE CONCRETE		\$8,845
ILO MOSA "MAESTRICHT" PORCELAIN TILE SUBSTITUTE FINISHED RETRO PLATE CONCRETE		(\$4,774)

EXTERIOR WALL FINISH:

ILO 1X6 VERTICAL HARDIE PLANK FIBER CEMENT BOARDS SUBSTITUTE 1X6 VERT YELLOW CEDAR SHIPLAP BOARDS WITH BLEACHING STAIN		\$9,253
ILO 1X6 VERTICAL HARDIE PLANK FIBER CEMENT BOARDS SUBSTITUTE SLATE SHINGLE WALL CLADDING W/FRACTURED EDGES & 8" EXPOSURE VERMONT STRUCT. SLATE (UNFADING GREEN)		(\$4,675)
ILO 1X6 VERTICAL HARDIE PLANK FIBER CEMENT BOARDS SUBSTITUTE 1X6 KEBONY ENGINEERED WOOD SIDING THERMALLY MODIFIED WD (RESAWN TIMBER ACCOYA, ADOBO OR KEBONY)		\$13,233

ROOF FINISH:

ILO 24 GA. KYNAR COATED STEEL STANDING SEAM ROOF (MS METAL SALES "MAGNA-LDC") SUBSTITUTE STANDING SEAM ROOF (ATAS INTERNATIONAL FIELD-LOC, FLS180)		\$0
ILO 24 GA. KYNAR COATED STEEL STANDING SEAM ROOF (MS METAL SALES "MAGNA-LDC") SUBSTITUTE ASPHALT SHINGLES		(\$131,950)

ROOF INSULATION:

ILO 5" RIGID POLYISOCYANURATE INSULATION SUBSTITUTE 7" RIGID POLYISOCYANURATE INSULATION		\$21,281
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PROJECT: Shutesbury Public Library
 LOCATION: Shutesbury, MA
 CLIENT: Oudens Ello Architects, LCC
 DATE: 28-Jul-23

NO. OF SQ. FT.: 4,334
 COST PER SQ. FT.: \$1,086.57
 *Scaled GSF

Project No: 23024

SUMMARY

BUILDING AND SITE

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 02 - EXISTING CONDITIONS			
022820 ASBESTOS REMEDIATION	0	0%	0.00
024100 BUILDING DEMOLITION	0	0%	0.00
DIVISION 03 - CONCRETE			
033000 CAST IN PLACE CONCRETE	246,734	5%	56.93
DIVISION 04 - MASONRY			
042000 MASONRY* (NO SPEC)	0	0%	0.00
DIVISION 05 - METALS			
055000 MISCELLANEOUS & ORNAMENTAL IRON*	7,417	0%	1.71
DIVISION 06 - WOOD, PLASTICS & COMPOSITES			
061000 ROUGH CARPENTRY	453,387	10%	104.61
064000 EXTERIOR FINISH CARPENTRY	159,094	3%	36.71
064020 INTERIOR ARCHITECTURAL WOODWORK	65,795	1%	15.18
DIVISION 07 - THERMAL & MOISTURE PROTECTION			
071000 AIR/VAPOR BARRIER, WATERPROOF. & CAULKING*	69,309	1%	15.99
070002 ROOFING AND FLASHING*	293,552	6%	67.73
072100 BUILDING INSULATION	28,082	1%	6.48
074470 CONCRETE FACED INSULATED PANEL	67,430	1%	15.56
074500 METAL WALL PANEL	0	0%	0.00
078410 FIRESTOPPING	5,000	0%	1.15
DIVISION 08 - OPENINGS			
085200 ALUM WINDOWS & DOORS	293,475	6%	67.71
081113 HOLLOW METAL DOOR AND FRAMES	5,600	0%	1.29
081400 WOOD DOORS	5,480	0%	1.26
083300 SPECIAL DOORS	60,650	1%	13.99
087100 FINISH HARDWARE	13,500	0%	3.11
088000 GLASS AND GLAZING*	0	0%	0.00
089000 LOUVERS AND VENTS	6,890	0%	1.59

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 09 - FINISHES			
092116 GYPSUM WALLBOARD SYSTEMS	129,992	3%	29.99
093000 TILE *	19,187	0%	4.43
096519 RESILIENT FLOORING*	17,402	0%	4.02
099100 PAINTING*	22,543	0%	5.20
095100 ACOUSTICAL CEILINGS*	50,806	1%	11.72
095900 WOOD FLOORING	0	0%	0.00
096800 CARPETING	11,061	0%	2.55
DIVISION 10 - SPECIALTIES			
101100 VISUAL DISPLAY UNITS	2,500	0%	0.58
101400 SIGNAGE	4,000	0%	0.92
102800 TOILET ACCESSORIES	4,369	0%	1.01
109000 MISC EQUIPMENT	2,550	0%	0.59
DIVISION 11 - EQUIPMENT			
119000 EQUIPMENT	15,050	0%	3.47
DIVISION 12 - FURNISHINGS			
129000 FIXED FURNISHINGS	16,032	0%	3.70
DIVISION 13 - SPECIAL CONSTRUCTION			
130000 SPECIAL CONSTRUCTION	0	0%	0.00
DIVISION 14 - CONVEYING EQUIPMENT			
142400 ELEVATORS*	0	0%	0.00
DIVISION 21 - FIRE SUPPRESSION			
210000 FIRE SUPPRESSION*	0	0%	0.00
DIVISION 22 - PLUMBING			
220000 PLUMBING*	152,020	3%	35.08
DIVISION 23 - HVAC			
230000 HVAC*	435,714	9%	100.53
DIVISION 26 - ELECTRICAL			
260000 ELECTRICAL*	610,469	13%	140.86
DIVISION 31 - EARTHWORK			
312000 EARTHWORK	225,391	5%	52.01
311000 SITE PREPARATION & CLEARING	272,750	6%	62.93

	DIVISION TOTAL	PERCENT OF PROJECT	COST PER SF
DIVISION 32 - EXTERIOR IMPROVEMENTS			
320000 PAVEMENT, CURBING & EDGING	218,956	5%	50.52
323100 SITE IMPROVEMENTS	44,010	1%	10.15
328000 IRRIGATION	0	0%	0.00
329000 LANDSCAPING	328,576	7%	75.81
DIVISION 33 - UTILITIES			
330000 UTILITIES	344,438	7%	79.47

DIRECT COST	4,709,211	100%	1086.57

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
DIVISION 02 - EXISTING CONDITIONS				
022820 ASBESTOS REMEDIATION				
Hazardous Waste Removal - Allow		NIC		----- 0
024100 BUILDING DEMOLITION				
Building Demolition- Allow		W/ SITEWORK		----- 0
DIVISION 03 - CONCRETE				
033000 CAST IN PLACE CONCRETE				
16" D Column Footings (1 EA) :				
4,000 psi, NW, (incl. placement)	1	CY	302.00	302
Formwork	32	SFCA	15.00	480
Reinforcing steel	75	LBS	1.60	120
<i>*unit cost \$902.00</i>				
Wall Footing - 1'-4" x 3' thick				
4,000 psi, NW, (incl. placement)	38	CY	302.00	11,476
Formwork	1,528	SFCA	14.00	21,392
Rebar	2,888	LBS	1.60	4,621
<i>*unit cost \$986.55</i>				
24" Foundation Frost Wall x 4' deep:				
4,000 psi, NW, (incl. placement)	115	CY	315.00	36,225
Formwork	3,104	SFCA	20.00	62,080
Reinforcing steel	10,350	LBS	1.60	16,560
<i>*unit cost \$998.83</i>				
Int Wall Footing				
4,000 psi, NW, (incl. placement)	25	CY	315.00	7,875
Formwork	404	SFCA	26.00	10,504
Reinforcing steel	3,750	LBS	1.60	6,000
<i>*unit cost \$975.16</i>				
Misc. Concrete				
Piers & pilasters	8	CY	1,025.00	8,200
Mech trenches	35	LF	90.00	3,150
Equipment pads	1	LS	5,000.00	5,000
6" Slab on Grade :				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
4,000 psi, NW, (incl. placement)	80	CY	318.00	25,522
6x6 W2.9 X W2.9	4,334	SF	2.60	11,268
15 mill poly	4,334	SF	0.84	3,641
Control Joint	290	LF	2.60	754
Depressed slab edge -mat	75	LF	5.50	413
Trowel Finish	4,334	SF	2.42	10,488
*unit cost \$12.02				
Sealed concrete slab MEP & storage	221	SF	3.00	663

				246,734

DIVISION 04 - MASONRY

042000 MASONRY* (NO SPEC)		N/A		

				0

DIVISION 05 - METALS

055000 MISCELLANEOUS & ORNAMENTAL IRON*

	W / UNIT COST			
Stl supports @ CTR	15	VLF	350.00	5,250
Attic access ladder	4,334	GSF	0.50	2,167
Misc. metals				

				7,417

051200 STRUCTURAL STEEL FRAMING

not included				

				0

DIVISION 06 - WOOD, PLASTICS & COMPOSITES

061000 ROUGH CARPENTRY

Exterior Wall:				
EX 1A Ext. wall frame - 2" x 12"	4,010	SF	18.50	74,185
1/2" Ext grade ply nail base sheathing	4,010	SF	4.65	18,647
Strapping		carried w/ siding		
Interior Load bearing Shearwall (per structural):				
7A/B 2 X 8 Interior Shearwall Framing (inc.s openi	3,929	SF	9.50	37,326
1/2" Shearwall Plywood (70 lf)	1,400	SF	7.25	10,150

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Interior Partitions:				
Type 1A	817	SF	5.10	4,167
Type 1C	650	SF	5.10	3,315
Type 2A	515	SF	5.10	2,627
Type 3D	232	SF	7.50	1,740
Type 3E	230	SF	7.50	1,725
Type 4 D	271	SF	5.10	1,382
7B	92	SF	7.50	690
Roof:				
(2) 3.25 X 11.25 LVL	347	BF	20.00	6,947
1.5 X 11.5	1392	BF	20.00	27,830
1.5 X 5.5	653	BF	20.00	13,063
1.5 X 5.5	476	BF	20.00	9,529
3.5 x 11.25 GL	2671	BF	20.00	53,419
5.25 x 11.25 GL	79	BF	20.00	1,575
5.5 x 7.25 GL	76	BF	20.00	1,529
8.75 x 16.5 GL	590	BF	20.00	11,791
Hangers and Plates	4334	GSF	10.00	43,340
R1 - 2" T&G Decking	4,818	SF	19.50	93,951
R2 - 3/4" CDX Roof sheathing	151	SF	4.50	680
3/8" Plywood sheathing	4,818	SF	3.15	15,177
Roof Framing Blocking	4,969	SF	2.00	9,938
Interior blocking	4,334	GSF	1.00	4,334
Misc. rough carpentry	4,334	GSF	1.00	4,334

				453,387

064000 EXTERIOR FINISH CARPENTRY

Exterior Siding & Trim :				
WD1 Hardi Brd Siding (1x4 vert bd)	3,393	SF	38.00	128,934
Hardi trim	638	LF	26.00	16,588
2 Coat Field finish	3,393	SF	4.00	13,572

				159,094

064020 INTERIOR ARCHITECTURAL WOODWORK

Ext Window/Storefront:				
Int window sill	100	LF	85.00	8,500
Int perim trim		NIC		
Interior Trim:				
Applied trim @ HM SGL frame (12 EA)		TBD		
Maple Running applied trim	1	LS	2,500.00	2,500

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Interior Wall Panel:				
WP - 1 Forbo Tack Surface		NIC		
W-WP Wood Panel (vest & lobby)	500	SF	35.00	17,500
* 5" Maple Ship Lap - urethan finish				
Staff Work rm 014:				
Maple Ven CTR w/ stl supports	32	LF	250.00	8,000
Storage Cabinet below counter	8	LF	250.00	2,000
Adult Computer Rm021:				
Maple Ven CTR w/ stl supports	8	LF	250.00	2,000
Teens Rm 016:				
Maple Ven CTR w/ stl supports	12	LF	250.00	3,000
Circ. Main Desk - Note #2	14	LF	1,100.00	15,400
#3 Custom Built-in Bookshelves		nic		
Kitchen Rm 003:				
Solid surf CTR	7	LF	265.00	1,855
Base cab (nic ctr)	5	LF	250.00	1,250
Wall cab 27 "H	7	LF	250.00	1,750
Wall cab 36 "H	8	LF	255.00	2,040
*Maple veneer cabinets				

				65,795

DIVISION 07 - THERMAL & MOISTURE PROTECTION

071000 AIR/VAPOR BARRIER, WATERPROOF. & CAULKING*

Air & Vapor Barrier Membrane:

Typ ext wall air & vapor barrier	4,010	SF	8.75	35,088
Perim ext wall open	638	LF	8.75	5,583

Foundation:

Dampproof found face	1,552	SF	2.35	3,647
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Window, Dr & louver perim sealant

Interior Sealant	638	LF	12.00	7,656
	4,334	GSF	4.00	17,336

69,309

070002 ROOFING AND FLASHING*

075600 METAL ROOFING ROOFING

24 ga. Standing seam metal roofing	5,800	SF	29.00	168,200
5" Nilable Rigid Insul.	5,800	SF	15.50	89,900

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Cont. A & V barrier	5,800	SF	3.75	21,750
Base flashing	68	LF	28.56	1,942
076200 SHEETMETAL FLASHING AND TRIM				
Roof:				
Metal Fascia trim/drip edge	292	LF	30.00	8,760
Metal Rake	100	LF	30.00	3,000

				293,552
072100 BUILDING INSULATION				
2" Rigid Insul. - foundation	1,552	SF	2.85	4,423
Ext wall- 1 1/2" Rigid insul	4,010	SF	3.80	15,238
Ext wall- 3 1/2" Batt Insul	4,010	SF	2.10	8,421
Roof insulation		W/Roofing		

				28,082
074470 CONCRETE FACED INSULATED PANEL				
Concrete faced Insulated Panel	613	SF	110.00	67,430

				67,430
074500 METAL WALL PANEL				
Alum. Fascia coping		W / 072100		

				0
078410 FIRESTOPPING				
Firestopping	1	LS	5,000.00	5,000

				5,000
DIVISION 08 - OPENINGS				
085200 ALUM WINDOWS & DOORS				
Ext Aluminum Clad Entries, (inc. frames door, hardware and glazing):				
Dbl Main entry (6' x 9')	2	EA	12,000.00	24,000
Sgl Egress (3' x 9')	4	EA	6,000.00	24,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Int Aluminum Clad Entries, (inc. frames door, hardware and glazing):				
Dbl Vestibule (6' x 9')	1	EA	12,000.00	12,000
Sgl Admin & Teen RMS (3' x 9')	4	EA	2,500.00	10,000
Dbl Glaze:				
Ext. Alum clad wood window/storefront	1,227	SF	150.00	184,050
Wood Frame Storefront:				
Vestibule,Admin. & Teen RMS (5loc) 9'H	415	SF	95.00	39,425

				293,475
081113 HOLLOW METAL DOOR AND FRAMES				
INT H.M./ WD Door Frame:				
Single Door	8	EA	700.00	5,600

				5,600
081400 WOOD DOORS				
Interior borrowed light		W / 085200		
7' Interior HM/ WD Door(Pre-finished) :				
MEP & storage - sgl	6	EA	685.00	4,110
Toilet rm - sgl user	2	EA	685.00	1,370

				5,480
083300 SPECIAL DOORS				
Bi Parting Meeting Room door on track	140	SF	200.00	28,000
Bi Parting Childrens Room door on track	90	SF	200.00	18,000
Int Man. Op sliding security grill (10' x9')	90.0	SF	135.00	12,150
Access panels	1	LS	2,500.00	2,500
*Includes section 086300				

				60,650
087100 FINISH HARDWARE				
Hardware Set @ Int WD/ H.M. Door:				
MEP & storage - sgl	6	EA	750.00	4,500
Toilet rm - sgl user	2	EA	1,250.00	2,500
Auto Door Opener -main entry/vest -dbl	1	EA	6,500.00	6,500
*Balance of finish hardware is included in 085200				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
				----- 13,500
088000 GLASS AND GLAZING*				
Glass & Glazing		W / UNIT COST		----- 0
089000 LOUVERS AND VENTS				
Louwer	53	SF	130.00	6,890
				----- 6,890
DIVISION 09 - FINISHES				
092116 GYPSUM WALLBOARD SYSTEMS				
1 Lyr 5/8 @ ext wall	4,000	SF	4.25	17,000
Interior Partition GWB & Insul (NIC Framing 061000):				
Type 1A	817	SF	10.50	8,579
Type 1C	873	SF	10.50	9,167
Type 2A	976	SF	13.00	12,688
Type 3D	232	SF	15.50	3,596
Type 3E	230	SF	15.50	3,565
Type 4 D	271	SF	6.00	1,626
7B	307	SF	10.50	3,224
7C	554	SF	10.50	5,817
7'H Jan closet FRP wall panel	203	SF	12.50	2,538
GWB Ceiling-Complete:				
C-GWB Gyp Ceiling	408	SF	14.50	5,916
C-PERF Gyp Ceiling w/ Insul	1,004	SF	32.00	32,128
GWB Soffit - Complete:				
16"W @ Built-in Shelving	240	SF	35.00	8,400
Level 5 Finish - Premium	9,000	SF	1.75	15,750
				----- 129,992

093000 TILE *

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Toilet room (2 EA):				
F-Tile porcelain tile (thin set)	113	SF	47.00	5,311
W-Tile wall tile - 8'	425	SF	30.00	12,750
Stone threshold	2	EA	85.00	170
Tile backer bd premium	425	SF	2.25	956

				19,187
096519 RESILIENT FLOORING*				
Moisture mitigation(spec)				
LIN Linoleum Sheet Flooring	1,512	SF	10.00	15,120
B-VNL 4" Vinyl base	652	LF	3.50	2,282

				17,402
099100 PAINTING*				
Exterior Painting:				
C-EXP	705	N/A SF	2.75	1,939
Interior Painting:				
Walls	4,334	GSF	4.50	19,503
C-GWB Gyp Ceiling	181	SF	1.50	272
C-PERF Gyp Ceiling	446	SF	1.50	669
GWB Soffit	107	SF	1.50	161

				22,543
095100 ACOUSTICAL CEILINGS*				
ACT-1 2 x 2 x 3/4 ACT	1,327	SF	10.00	13,270
16" D Soundscape lineal baffle	816	LF	46.00	37,536
Acoustical wall panels		NIC		

				50,806
095900 WOOD FLOORING				
		n/a		-----
				0
096800 CARPETING				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
CPT	2,011	SF	5.50	11,061

				11,061

DIVISION 10 - SPECIALTIES

101100 VISUAL DISPLAY UNITS

Allow:

Markerboards and tackboards(spec)	1	LS	2,500.00	2,500

				2,500

101400 SIGNAGE

Int signage	1	LS	2,000.00	2,000
Ext signage	1	LS	2,000.00	2,000
Site sign		w/323100		
Parking/traffic sign		w/323100		

				4,000

102800 TOILET ACCESSORIES

Furnish & Install:

Paper towel dispenser	2	EA	300.00	600
Toilet tissue dispenser	2	EA	75.00	150
Waste receptacle	2	EA	375.00	750
Grab bars toilet	4	EA	125.00	500
Soap dispenser	2	EA	65.00	130
Sanitary prod vendor	2	EA	95.00	190
Sanitary prod disposal	2	EA	60.00	120
Changing table	2	EA	500.00	1,000
Tilt Mirrors	2	EA	350.00	700
Mop and broom holder	1	EA	165.00	165
Coat hook	2	EA	32.00	64

				4,369

109000 MISC EQUIPMENT

AED cab (nic device)	1	EA	450.00	450
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DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Allow:				
Fire extinguisher & cab	4	EA	525.00	2,100
*Includes Sections 104100, 104400 & 105626				-----
				2,550
DIVISION 11 - EQUIPMENT				
119000 EQUIPMENT				
Kitchen:				
Undercounter reffridgerator	1	EA	1,300.00	1,300
24" Refrigerator	1	EA	750.00	750
Meeting Room:				
14' Elec Op projection screen	1	EA	7,500.00	7,500
Allow -Clg projection mount	1	EA	1,500.00	1,500
AV Equipment		NIC		
Library Equipment(115100):				
SS Book drop - Rm 028	1	EA	4,000.00	4,000
Site Book drop		N/A		
*Includes sections 111310 & 111320				-----
				15,050
DIVISION 12 - FURNISHINGS				
129000 FIXED FURNISHINGS				
Recessed SS vestibule mat (1 ea)	61	SF	50.00	3,050
Allow:				
Int. blinds		NIC		
RS-M Ext Roller Shade(chain driven)	324	SF	24.00	7,776
RS-E Ext Roller Shade(chain driven)	548	SF	9.50	5,206
*Includes sections 122400 & 124813				-----
				16,032
DIVISION 14 - CONVEYING EQUIPMENT				
142400 ELEVATORS*				
		N/A		

				0
DIVISION 21 - FIRE SUPPRESSION				

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
210000 FIRE SUPPRESSION*		n/a		----- 0
DIVISION 22 - PLUMBING				
220000 PLUMBING*				
Plumbing Fixture Connection:				
WC-1A water closet, ADA	2	EA	2,150.00	4,300
L-1A lavatory, ADA	2	EA	1,475.00	2,950
EWC-1 electric water cooler	1	EA	3,350.00	3,350
SK-1 sink	1	EA	1,600.00	1,600
MSB-1 mop sink basin	1	EA	1,650.00	1,650
HB-1 hose bib	4	EA	350.00	1,400
WH-1 wall hydrant	4	EA	350.00	1,400
Electric Water Heater Schedule:				
EWH-1 water heater - 50 gal.	2	EA	2,500.00	5,000
Circ pump	2	EA	1,800.00	3,600
Sanitary System:				
Underground D/W/V Pipe:				
2"	50	LF	65.00	3,250
4"	100	LF	85.00	8,500
Cleanout	2	EA	510.00	1,020
Floor drain	2	EA	925.00	1,850
Tight tank	1	LS	10,000.00	10,000
Above Ground D/W/V Pipe:				
2" San vent	100	LF	75.00	7,500
4" San Vent	100	LF	90.00	9,000
Propane tank and piping - generator	1	LS	30,000.00	30,000
Domestic Piping:				
1 1/2"	150	LF	50.00	7,500
1"	150	LF	40.00	6,000
1" Pipe Insulation:				
1 1/2"	150	LF	16.00	2,400
1"	150	LF	13.00	1,950
Elec. trap primer	1	LS	3,000.00	3,000
Well Pressure Tank	1	LS	12,000.00	12,000
1 1/2" RBPB	1	EA	1,300.00	1,300
4" BFP	1	LS	6,500.00	6,500
Test, Permit, Sanitize, Misc.	1	LS	15,000.00	15,000

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
				----- 152,020
DIVISION 23 - HVAC				
230000 HVAC*				
Packaged 100% Outside Air Energy Recovery Unit Schedule:				
ERV-1 900 cfm	1	EA	8,000.00	8,000
Air Distribution:				
Galv Ductwork	4,000	LBS	19.00	76,000
Duct Insulation	1,500	EA	7.50	11,250
Linear Diffuser	150	EA	245.00	36,750
Return Grill	25	EA	180.00	4,500
Supply grill	15	EA	205.00	3,075
VRF System - Outdoor Units:				
ACCU - 1	12	TONS	2,850.00	34,200
VRF System - Indoor Units:				
Fan Coil	10	EA	3,500.00	35,000
Heat Recovery Branch Controller Box	2	EA	13,000.00	26,000
Refrigerant Piping				
Main	400	LF	55.00	22,000
Branch	1,200	LF	47.50	57,000
AC Split system	3	EA	12,500.00	37,500
Fan Schedule:				
EF-1	1	EA	3,400.00	3,400
EF-2,3	2	EA	3,500.00	7,000
Electric Heaters:				
CUH - 1, 2, 3	3	EA	2,600.00	7,800
UH	8	EA	1,500.00	12,000
Floor duct heater	45	LF	150.00	6,750
Misc. HVAC				
Fire stopping	1	LS	2,500.00	2,500
Auto temp control	4,334	SF	8.00	34,672
Seismic and vibration	1	LS	7,500.00	7,500
Test and Balance	4,334	SF	0.65	2,817
Misc. HVAC	1	LS	40,000.00	40,000
				----- 435,714

DIVISION 26 - ELECTRICAL

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
260000 ELECTRICAL*				
Lighting Fixtures:	4,334	GSF	15.00	65,010
Light Control	4,334	GSF	3.00	13,002
Site Lighting				
EX11 Bega 16' w/tri head	2	EA	5,000.00	10,000
PVC-1"C-2#8 & 11#10	400	LF	6.20	2,480
Pole base anchor bolts (4)	2	EA	76.50	153
Pole base grounding	2	EA	180.00	360
Pole base sleeves & 90 deg	2	EA	122.50	245
Site Electric:				
PVC-4"C-w/PS (T/D)	900	LF	13.50	12,150
Telcom pole dressing	1	EA	1,140.00	1,140
Power pole dressing	1	EA	1,520.00	1,520
PVC-4"C -4#600 & 1#600G	50	LF	93.60	4,680
PVC-4"C - w/PS	900	LF	13.50	12,150
EX09 xfmrs	1	EA	312.00	312
EX)(WP j-box	1	EA	70.50	71
Misc. Power Wiring Devices:	4,334	GSF	5.00	21,670
Fire Alarm System	4,334	GSF	4.00	17,336
Bi directional attenea	1	LS	25,000.00	25,000
TD - A/V				
Tele data wiring	4,334	GSF	4.00	17,336
AV System	1	LS	25,000.00	25,000
Main Service, Panels and Feeders	4,334	GSF	5.50	23,837
Mech Equip Conns & Power:	4,334	GSF	3.75	16,253
Gear & Feeders:				
400A dist board	1	EA	11,500.00	11,500
Exterior Generator dock station	1	LS	3,500.00	3,500
DP22-200A MLO	1	EA	3,240.00	3,240
P21 - 125A MLO	1	EA	2,660.00	2,660
P22 - 125A M c/b	1	EA	3,150.00	3,150
EMT-2"C-4 #3/0 & 1#6	100	LF	60.50	6,050
EMT-1 1/2"C-4 #1 & 1#6	50	LF	23.40	1,170
Roof PV	60	KW	2,900.00	174,000
18% OH&P	1	LS	85,495.32	85,495
DJE	1	LS	50,000.00	50,000

				610,469

DIVISION 31 - EARTHWORK

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
312000 EARTHWORK				
Site Earthwork:				
Site Cut	1,500	CY	12.00	18,000
Supply Fill	950	CY	18.00	17,100
Dispose surplus soil	800	CY	12.00	9,600
Soil disposal (less than RSC -1)	1,360	TON	22.00	29,920
Site grading	11,424	SY	2.20	25,133
Ledge removal		NIC		
*Assumes No arsenic soils				
Building Earthwork:				
4' d Over excavate unsuitable at bldg ftp (5,000 SF)	745	CY	10.00	7,450
Dispose surplus soil	745	CY	12.00	8,940
Soil disposal (less than RSC -1)	1,267	TON	22.00	27,863
Structural fill	745	CY	52.00	38,740
Frost wall/column exec./backfill	1,200	CY	20.00	24,000
Building Fill	290	CY	48.00	13,920
8" Gravel base @ SOG	105	CY	45.00	4,725
Foundation drain		N/A		

				225,391
311000 SITE PREPARATION & CLEARING				
100% Clear and grub	27,674	SF	0.45	12,453
Selective Clear and Grub	22,156	SF	0.20	4,431
Strip top soil - 12"	3,808	CY	10.25	39,032
Dispose surplus soil	2,719	CY	12.00	32,628
Soil disposal (less than RSC -1)	4,622	TON	22.00	101,691
Erosion control-perim	1,900	LF	5.35	10,165
Tree protection-allow	1	LS	450.00	450
Allow:				
Construction fence	2,100	LF	14.00	29,400
Construction entrance	1	EA	5,000.00	5,000
Snow removal	1	LS	7,500.00	7,500
Street sweep	1	LS	5,000.00	5,000
Building removal	See Grand summary			
Misc site prep	1	LS	25,000.00	25,000

				272,750

DIVISION 32 - EXTERIOR IMPROVEMENTS

320000 PAVEMENT, CURBING & EDGING

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Drive & Parking:				
Asphalt drive 2" base & 1 1/2" top	1,815	SY	46.00	83,490
12" Gravel base	605	CY	57.00	34,485
Bit Berm Curbing	384	LF	6.50	2,496
Pavement markings/line painting	1	LS	3,500.00	3,500
4" Concrete Pavement:				
Concrete Sidewalks	2,525	SF	12.00	30,300
8" Gravel base	62	CY	65.00	4,030
ADA Paver	1	EA	450.00	450
UP Unit Pavers w/ Sand Base:				
Concrete Paver	710	SF	38.00	26,980
8" Gravel base	18	CY	65.00	1,170
ME Stone drainage Bedding- Gravel Drip:				
Crushed stone w/ sand bed	466	SF	12.00	5,592
3" river rock w/sand bed (@ scupper DS (2 loc)	466	SF	12.00	5,592
6" Gravel base	10	CY	85.00	850
Impermeable layer	466	SF	2.25	1,049
Metal landscape edging	311	LF	16.00	4,976
DG Stabilized crushed stone paving :				
4" - 3/8 crushed stone w/ stab.	150	SF	8.50	1,275
Weed barrier	150	SF	1.10	165
8" Gravel base	5	CY	100.00	500
G Gravel shoulder				
8" Gravel base	93	CY	100.00	9,300
Weed barrier	2,506	SF	1.10	2,757

				218,956
323100 SITE IMPROVEMENTS				
Concrete Seat Wall - Straight	16	LF	750.00	12,000
Reclaimed Granite Bench	16	LF	450.00	7,200
Misc. Site Improvements	1	LS	10,000.00	10,000
*Includes Stone Pavers (129300)				
Allow:				
EV charging station		TBD		
Entrance sign -complete	1	LS	10,000.00	10,000
Bike loop (129310)	5	EA	750.00	3,750
Bike repair sta (129310)		NIC		
ADA Parking sign	2	EA	265.00	530
High-eff parking sign	2	EA	265.00	530

				44,010

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
328000 IRRIGATION				
Irrigation System		NIC		----- 0
329000 LANDSCAPING				
Trees:				
Sugar Maple (2.5-3" cal)	13	EA	1,800.00	23,400
Paper Birch (2.5-3" cal)	12	EA	1,800.00	21,600
Tupelo (2.5-3" cal)	9	EA	1,800.00	16,200
Sassafras (2.5-3" cal)	4	EA	1,800.00	7,200
Shrub Area:				
Bottlebrush Buckeye (3 gal)	31	EA	145.00	4,495
Summersweet Clethra (5 gal)	131	EA	195.00	25,545
Red Sprite Winterberry (3 gal 3'H)	156	EA	145.00	22,620
Highbush Blueberry (3 gal)	103	EA	145.00	14,935
Ground Covers:				
Bioswale Mix (Varies)	8,130	SF	5.00	40,650
Christmas Fern (1 qt 1,128 SF)	523	EA	6.75	3,530
Lowbush Blueberry - Sod	5,519	SF	1.00	5,519
Wildflower Mix Seeded	31,780	SF	0.50	15,890
Plant maintenance	1	LS	10,000.00	10,000
Hydro seeding:				
Bioswale Mix (Varies)	5,217	SF	0.50	2,609
Wildflower Mix Seeded (scheduled)	27,852	SF	0.50	13,926
Wildflower Mix Seeded (balance per L3.0)	31,019	SF	0.50	15,510
PA Planting Bed and Bio Swale:				
24" Planting loam - import	601	CY	78.00	46,878
3" Bark mulch	75	CY	66.00	4,950
Meadows :				
6" loam - amend	690	CY	48.00	33,120
				----- 328,576

DIVISION 33 - UTILITIES

330000 UTILITIES

Water Supply:				
Site well	1	LOC	30,000.00	30,000
8" Main / Fire Gate valve	2	EA	2,600.00	5,200
8" di water main	100	LF	136.00	13,600

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Sanitary:				
Sewer man hole	1	EA	5,500.00	5,500
8" Sewer main - gravity feed	100	LF	110.00	11,000
Leaching Field	1,775	SF	23.50	41,713
D Box and manifold	1	LS	2,500.00	2,500
Septic Tank	1	LS	10,000.00	10,000
Site Drainage :				
Catch basin	2	EA	5,000.00	10,000
Manhole	4	EA	5,200.00	20,800
24" Area drain	1	EA	3,100.00	3,100
Outlet control structure	1	EA	9,500.00	9,500
Flared end w/ rip rap				
12" CPP drain line	490	LF	102.00	49,980
Spillway rip rap	100	SF	25.00	2,500
Bio Retention Basin :				
6" Perf Pipe	500	SF	1.25	625
Overflow turret	1	EA	6,500.00	6,500
Electrical:				
Transformer pad	1	EA	4,000.00	4,000
Generator Pad	1	EA	6,000.00	6,000
Primary duct bank	450	LF	95.00	42,750
Secondary duct bank	26	LF	95.00	2,470
Tele/data duct bank	450	LF	95.00	42,750
Light pole base	2	EA	775	1,550
Lighting loop trench/PVC	400	LF	16.00	6,400

				344,438

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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FLOOR FINISH:

ILO TARKETT LINOLEUM SUBSTITUTE FINISHED RETRO
PLATE CONCRETE

Deduct:				
LIN Linoleum Sheet Flooring	-1,512	SF	10.00	-15,120
Add:				
Architectural Concrete Finish	1,512	SF	14.50	21,924

SUBTOTAL				6,804
MARKUPS		30 %		2,041

TOTAL				8,845

ILO MOSA "MAESTRICHT" PORCELAIN TILE SUBSTITUTE
FINISHED RETRO PLATE CONCRETE

Deduct:				
F-Tile porcelain tile (thin set)	-113	SF	47.00	-5,311
Add:				
Architectural Concrete Finish	113	SF	14.50	1,639

SUBTOTAL				-3,673
MARKUPS		30 %		-1,102

TOTAL				-4,774

EXTERIOR WALL FINISH:

ILO 1X6 VERTICAL HARDIE PLANK FIBER CEMENT BOARDS
SUBSTITUTE 1X6 VERT YELLOW CEDAR SHIPLAP BOARDS WITH
BLEACHING STAIN

Deduct				
WD1 Hardi Brd Siding (1x4 vert bd)	-3,393	SF	38.00	-128,934
Hardi trim	-638	LF	26.00	-16,588
2 Coat Field finish	-3,393	SF	4.00	-13,572
Add:				
WD1 Alaskan Yellow Ship Lap Siding (1x4 vert bd)	3,393	SF	42.00	142,506
Cedar Window surround trim	638	LF	35.00	22,330
Cedar bleaching	393	SF	3.50	1,376

SUBTOTAL				7,118
MARKUPS		30 %		2,135

TOTAL				9,253

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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ILO 1X6 VERTICAL HARDIE PLANK FIBER CEMENT BOARDS
 SUBSTITUTE SLATE SHINGLE WALL CLADDING W/FRACTURED EDGES
 & 8" EXPOSURE VERMONT STRUCT. SLATE (UNFADING GREEN)

Deduct				
WD1 Hardi Brd Siding (1x4 vert bd)	-3,393	SF	38.00	-128,934
Hardi trim	-638	LF	26.00	-16,588
2 Coat Field finish	-3,393	SF	4.00	-13,572
Add:				
Slate Shingle Siding	3,393	SF	32.00	108,576
3/4" CDX Sheathing	3,393	SF	4.00	13,572
Felt Paper 15 lbs + edge and corner sealing	3,393	SF	4.00	13,572
3/4" Wall sheathing	638	LF	5.00	3,190
Exterior Trim	638	LF	26.00	16,588
SUBTOTAL				-3,596
MARKUPS		30 %		-1,079
TOTAL				-4,675

ILO 1X6 VERTICAL HARDIE PLANK FIBER CEMENT BOARDS
 SUBSTITUTE 1X6 KEBONY ENGINEERED WOOD SIDING THERMALLY
 MODIFIED WD (RESAWN TIMBER ACCOYA, ADOBO OR KEBONY)

Deduct				
WD1 Hardi Brd Siding (1x4 vert bd)	-3,393	SF	38.00	-128,934
Hardi trim	-638	LF	26.00	-16,588
2 Coat Field finish	-3,393	SF	4.00	-13,572
Add:				
Keboy Engineered siding	3,393	SF	45.00	152,685
Exterior Trim	638	LF	26.00	16,588
SUBTOTAL				10,179
MARKUPS		30 %		3,054
TOTAL				13,233

ROOF FINISH:

ILO 24 GA. KYNAR COATED STEEL STANDING SEAM ROOF (MS METAL
 SALES "MAGNA-LDC") SUBSTITUTE STANDING SEAM ROOF (ATAS
 INTERNATIONAL FIELD-LOC, FLS180)

Deduct:				
24 ga. Standing seam metal roofing	-5,800	SF	29.00	-168,200
Add:				
Atlas Field loc	5,800	SF	29.00	168,200

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
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SUBTOTAL				0
MARKUPS		30 %		0
TOTAL				0

ILO 24 GA. KYNAR COATED STEEL STANDING SEAM ROOF (MS METAL SALES "MAGNA-LDC") SUBSTITUTE ASPHALT SHINGLES

Deduct:				
24 ga. Standing seam metal roofing	-5,800	SF	29.00	-168,200
Add:				
Asphalt shingle	5,800	SF	11.50	66,700
SUBTOTAL				-101,500
MARKUPS		30 %		-30,450
TOTAL				-131,950

ROOF INSULATION:

ILO 5" RIGID POLYISOCYANURATE INSULATION SUBSTITUTE 7" RIGID POLYISOCYANURATE INSULATION

Premium:				
Additional 2" thickness	5,800	SF	2.65	15,370
Fascia depth	1	LS	1,000.00	1,000
SUBTOTAL				16,370
MARKUPS		30 %		4,911
TOTAL				21,281