Design Development Cost Estimate

New Department of Public Works Facility

17 Town Hall

Truro, Ma

Prepared by:

TCi Construction Cost Estimating

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Prepared for:

Weston and Sampson

October 28, 2025

MAIN CONSTRUCTION COST SUMMARY

	Building GSF	$/sf	Estimated Construction Cost
BASE ESTIMATE	21,040	$1,197.01	$25,185,021
TOTAL DD BASE CONSTRUCTION COSTS	**21,040**	**$1,197.01**	**$25,185,021**

Alternates

1. Add 5,000 SF Fleet storage		add	**$1,450,650**
2. Add 4,050 SF Detached Cold Storage building		add	**$1,938,573**

QUALIFICATIONS

This Schematic Design cost estimate was produced from drawings prepared by Weston and Sampson and their design team dated October 4, 2025.

This estimate includes all direct construction costs, general contractor's overhead and profit and design contingency. Cost escalation assumes bid received 1st quarter 2026. Phased construction starting June 2026

Bidding conditions are expected to be chapter 149 public bidding to pre-qualified general contractors, and pre-qualified sub-contractors, open specifications for materials and manufactures. The project is expected to be bid and construction start there after with one continuous phase.

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

All professional fees and insurance
All Furnishings, Fixtures and Equipment not identified
Items identified in the design as Not In Contract (NIC)
Items identified in the design as by others
Special foundations (unless indicated by design engineers)
Utility company back charges, including work required off-site
Work to City streets and sidewalks, (except as noted in this estimate)
Construction or occupancy phasing or off hours' work, (except as noted in this estimate)
Off hours
Ledge & contaminated soils
Building Permit
Temporary trailer rentals and or renovations to vehicle maintenace
Demolition of buildings except vehicle maintenance for temp usage
Sliding entry gates

CONSTRUCTION COST SUMMARY IN CSI FORMAT	*Filed Sub-Bids (includes contingencies)*	*BASE ESTIMATE*	*21,040* *$/sf*
DIV. 2 DEMOLITION			
020500 Demolition		$48,000	*$2.28*
024500 Hazardous Material Abatement		$20,000	*$0.95*
DIV. 3 CONCRETE			
033000 Cast-in-Place Concrete		$1,307,685	*$62.15*
DIV. 4 MASONRY			
042000 Unit Masonry - FSB	**$350,817**	$307,734	*$14.63*
DIV. 5 METALS			
055000 Metal Fabrications - FSB	**$269,872**	$236,730	*$11.25*
DIV. 6 WOODS & PLASTICS			
061000 Rough Carpentry		$121,930	*$5.80*
064020 Interior Architectural Woodwork		$33,910	*$1.61*
DIV. 7 THERMAL & MOISTURE PROTECTION			
072100 Thermal Insulation		$103,100	*$4.90*
072700 Air Barriers & Waterproofing - FSB	**$220,511**	$103,655	*$4.93*
074600 Cement Board Siding and Trim		$56,400	*$2.68*
075400 Membrane Roofing		$0	*$0.00*
075450 Through-wall flashing		$0	*$0.00*
077200 Roof Accessories		$8,400	*$0.40*
078410 Penetration Firestopping		$6,312	*$0.30*
079200 Joint Sealants		$89,776	*$4.27*
DIV. 8 DOORS & WINDOWS			
081110 Doors and Frames		$104,900	*$4.99*
083110 Access Doors and Frames		$0	*$0.00*
083310 Overhead Coiling Doors		$214,000	*$10.17*
084110 Aluminum Windows		$51,600	*$2.45*
084500 Aluminum Storefront and Curtainwall		$7,500	*$0.36*
084550 Skylights		$0	*$0.00*
084555 Sunshades		$0	*$0.00*
084600 Translucent Windows		$106,575	*$5.07*
087100 Door Hardware		$63,600	*$3.02*
088000 Glazing		$9,000	*$0.43*
089000 Louvers and Vents		$10,000	*$0.48*
DIV. 9 FINISHES			
092110 Gypsum Board Assemblies		$509,190	*$24.20*
093000 Tiling - FSB	**$31,225**	$27,390	*$1.30*
095100 Acoustical Ceilings - FSB	**$31,920**	$28,000	*$1.33*
096510 Resilient Flooring and Accessories - FSB	**$29,138**	$25,560	*$1.21*
096550 Carpet		$4,800	*$0.23*
097300 Resinous flooring and base		$13,500	*$0.64*
099000 Painting and Coating - FSB	**$176,206**	$154,567	*$7.35*
DIV 10 SPECIALTIES			
101400 Signage		$17,000	*$0.81*
102800 Toilet Accessories		$8,213	*$0.39*
104400 Fire Protection Specialties		$1,500	*$0.07*
106500 Toilet Partitions		$2,900	*$0.14*
108500 Lockers		$19,250	*$0.91*
109400 Screen Partitions		$0	*$0.00*
109500 Fall Arrest		$20,000	*$0.95*
DIV. 11 EQUIPMENT			
113100 Appliances		$0	*$0.00*
118100 Industrial Equipment		$881,225	*$41.88*
DIV. 12 FURNISHINGS			
122110 Horizontal Louver Blinds		$4,800	*$0.23*
DIV. 13 SPECIAL CONSTRUCTION			
13100 Pre-fabricated Metal Building, Mezzanine Steel and Decking		$2,497,198	*$118.69*
13200 Fabric Structure Salt Shed Building		$285,000	*$13.55*

CONSTRUCTION COST SUMMARY IN CSI FORMAT		Filed Sub-Bids (includes contingencies)	BASE ESTIMATE	21,040 $/sf
DIV. 21 FIRE SUPPRESSION				
210000 Fire Suppression - FSB		**$605,030**	$530,728	*$25.22*
DIV. 22 PLUMBING				
220000 Plumbing - FSB		**$1,092,348**	$958,200	*$45.54*
DIV. 23 HVAC				
220000 HVAC - FSB		**$3,660,581**	$3,211,036	*$152.62*
DIV. 26 ELECTRICAL				
260000 Electrical - FSB		**$2,178,728**	$1,911,165	*$90.83*
DIV. 31 EARTHWORK				
311000 Site Clearing			$197,270	*$9.38*
312000 Earthwork			$848,390	*$40.32*
312500 Erosion and Sedimentation Controls			$29,000	*$1.38*
315000 Ground Improvements			$0	*$0.00*
DIV. 32 EXTERIOR IMPROVEMENTS				
321216 Asphalt Paving			$379,500	*$18.04*
321213 Portland Cement Concrete Paving			$26,160	*$1.24*
321613 Curbs and Gutters			$37,800	*$1.80*
323100 Site Improvements			$102,150	*$4.86*
329000 Landscaping			$75,000	*$3.56*
DIV. 33 UTILITIES				
331000 On Site Water Distribution			$127,590	*$6.06*
331000 Off Site Well And Water Distribution			$538,750	*$25.61*
333000 Sanitary Sewerage Utilities			$264,100	*$12.55*
334000 Storm Drainage			$584,500	*$27.78*
335000 Gas			$0	*$0.00*
SUBTOTAL DIRECT (TRADE) COST			*$17,332,239*	*$823.78*
GENERAL CONDITIONS, REQUIREMENTS & GL INSURANCE (27 months phased)			$3,240,000	
BONDS	1.8%		$311,980	
GC - OVERHEAD & PROFIT	5%		$1,044,211	
DESIGN AND PRICING CONTINGENCY	7.5%		$1,644,632	
ESCALATION TO 1ST QUARTER 2026 BID	5%		$1,178,653	
OUTER CAPE PREMIUM			included in trades	
TARIFFS COST INCREASE ALLOWANCE	2.5%		$433,306	
TOTAL DD BASE CONSTRUCTION COSTS			**$25,185,021**	*$1,197.01*

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING							
	GROSS FLOOR AREA CALCULATION							
		Base footprint			**18,680**			
		Mezzanine			**2,360**			
		TOTAL GROSS FLOOR AREA (including mezzanine)				**21,040**	*gsf*	
	A10	***FOUNDATIONS***						
	A1010	**STANDARD FOUNDATIONS**						
		Strip footings						
03300		Formwork	**900**	sf	18.00	16,200		
03300		Re-bar	**3,180**	lbs	2.50	7,950		
03300		Concrete material	**53**	cy	190.00	10,070		
03300		Placing concrete	**53**	cy	40.00	2,120		
		Foundation walls						
03300		Formwork	**9,912**	sf	18.00	178,416		
03300		Re-bar	**17,340**	lbs	2.50	43,350		
03300		Concrete material	**289**	cy	190.00	54,910		
03300		Placing concrete	**289**	cy	40.00	11,560		
		3' -4" Back up knee walls						
03300		Formwork	**2,470**	sf	18.00	44,460		
03300		Re-bar	**2,040**	lbs	2.50	5,100		
03300		Concrete material	**34**	cy	190.00	6,460		
03300		Placing concrete	**34**	cy	40.00	1,360		
		4' -8" Back up knee walls						
03300		Formwork	**713**	sf	18.00	12,834		
03300		Re-bar	**600**	lbs	2.50	1,500		
03300		Concrete material	**10**	cy	190.00	1,900		
03300		Placing concrete	**10**	cy	40.00	400		
		5' -4" Back up knee walls						
03300		Formwork	**714**	sf	18.00	12,852		
03300		Re-bar	**600**	lbs	2.50	1,500		
03300		Concrete material	**10**	cy	190.00	1,900		
03300		Placing concrete	**10**	cy	40.00	400		
		F8 Column footings						
03300		Formwork	**720**	sf	18.00	12,960		
03300		Re-bar	**6,720**	lbs	2.50	16,800		
03300		Concrete material	**112**	cy	190.00	21,280		
03300		Placing concrete	**112**	cy	40.00	4,480		
		F10 Column footings						
03300		Formwork	**210**	sf	18.00	3,780		
03300		Re-bar	**2,460**	lbs	2.50	6,150		
03300		Concrete material	**41**	cy	190.00	7,790		
03300		Placing concrete	**41**	cy	40.00	1,640		
		F12 Column footings						
03300		Formwork	**96**	sf	18.00	1,728		
03300		Re-bar	**1,320**	lbs	2.50	3,300		
03300		Concrete material	**22**	cy	190.00	4,180		
03300		Placing concrete	**22**	cy	40.00	880		
		F14 Column footings						
03300		Formwork	**62**	sf	18.00	1,116		
03300		Re-bar	**1,020**	lbs	2.50	2,550		
03300		Concrete material	**17**	cy	190.00	3,230		
03300		Placing concrete	**17**	cy	40.00	680		
		F12x14 Column footings						
03300		Formwork	**540**	sf	18.00	9,720		
03300		Re-bar	**8,820**	lbs	2.50	22,050		
03300		Concrete material	**147**	cy	190.00	27,930		
03300		Placing concrete	**147**	cy	40.00	5,880		
		Piers						
03300		Formwork	**320**	sf	18.00	5,760		
03300		Re-bar	**1,500**	lbs	2.50	3,750		
03300		Concrete material	**25**	cy	190.00	4,750		
03300		Placing concrete	**25**	cy	40.00	1,000		
		SUBTOTAL					588,626	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	A1030 LOWEST FLOOR CONSTRUCTION						
	8" Slab on grade						
03300	Vapor barrier	**13,500**	sf	2.00	27,000		
03300	Reinforcing	**13,500**	sf	2.50	33,750		
03300	Concrete - 8" thick	**374**	cy	190.00	71,060		
03300	Placing concrete	**374**	cy	45.00	16,830		
03300	Finishing and curing concrete	**13,500**	sf	1.65	22,275		
03300	Control joints - saw cut	**13,500**	sf	0.50	6,750		
	6" Slab on grade						
03300	Vapor barrier	**4,400**	sf	2.00	8,800		
03300	Reinforcing	**4,400**	sf	1.50	6,600		
03300	Concrete - 6" thick	**90**	cy	190.00	17,100		
03300	Placing concrete	**90**	cy	45.00	4,050		
03300	Finishing and curing concrete	**4,400**	sf	1.65	7,260		
03300	Control joints - saw cut	**4,400**	sf	0.50	2,200		
	Miscellaneous						
07210	R10 - 25 PSI Rigid insulation at 4' horizontal	**520**	sf	5.00	2,600		
07210	R10 - 60 PSI Rigid insulation at 4' horizontal	**1,640**	sf	6.00	9,840		
07210	R15 - 60 PSI rigid insulation vertical	**3,320**	sf	6.00	19,920		
07210	R15 - 60 PSI rigid insulation underslab at maintenance	**3,600**	sf	6.00	21,600		
07270	Dampproofing of foundation walls	**3,720**	sf	4.00	14,880		
03300	4' haunch under CM walls	**40**	cy	350.00	14,000		
03300	Wash bay sump	**1**	ea	12,000.00	12,000		
03300	Fluid room sump	**1**	ea	5,000.00	5,000		
03300	Curbs, equipment Pads and supports	**1**	ls	7,500.00	7,500		
03300	Outer cape premium	**1**	ls	91,964.10	91,964		
	SUBTOTAL					422,979	
	TOTAL - FOUNDATIONS						***$1,011,605***
	B10 SUPERSTRUCTURE						
	B1010 FLOOR CONSTRUCTION						
	Mezzanine Floor Structure - Steel:						
13100	W columns, beam, bracing, HSS tubes, L angles and Channels	**14**	tons	6,000.00	84,000		
	Mezzanine Floor Structure						
13100	Floor deck - 1 1/2'' deck	**2,360**	sf	5.50	12,980		
03300	WWF reinforcement	**2,360**	sf	2.00	4,720		
03300	2" Concrete Fill to metal deck	**29**	cy	195.00	5,655		
03300	Place and finish concrete	**2,360**	sf	2.00	4,720		
	Miscellaneous						
05500	Misc metals - overall added cost for FSB pricing	**21,040**	sf	6.00	126,240		
07841	Firestopping	**21,040**	sf	0.30	6,312		
13100	Outer cape premium	**1**	ls	9,698.00	9,698		
	SUBTOTAL					254,325	
	B1020 ROOF CONSTRUCTION						
	Pre-fabricated Structure (includes steel, insulated metal panels walls and roof) :						
13100	Main Building - Prefabricated metal building package (galv steel, metal panels, metal roof, gutters, downspouts and snow guards)	**18,680**	sf	115.00	2,148,200		
13100	Entry canopy structure and roof, gutters and downspouts	**200**	sf	125.00	25,000		
13100	Outer cape premium	**1**	ls	217,320.00	217,320		
	Miscellaneous						
06100	Entry canopy soffits - 1x4 T&G teak wd ceiling	**260**	sf	40.00	10,400		
05500	Overhead door openings	**6**	ea	1,500.00	9,000		
05500	Window openings	**240**	sf	12.00	2,880		
05500	Translucent window openings	**735**	sf	12.00	8,820		
	SUBTOTAL					2,421,620	
	TOTAL - SUPERSTRUCTURE						***$2,675,945***

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	B20 EXTERIOR CLOSURE						
	B2010 EXTERIOR WALLS						
	Admin exterior wall back-up						
09211	6" Metal stud, sheathing	**1,820**	sf	22.00	40,040		
09211	5/8" int gwb	**1,820**	sf	8.00	14,560		
09900	Paint	**1,820**	sf	2.00	3,640		
	CMU & Fiber cement						
07460	Fiber cement board lap siding	**1,410**	sf	40.00	56,400		
04200	CMU veneer	**2,050**	sf	55.00	112,750		
07270	Air barrier	**3,460**	sf	10.00	34,600		
07210	Rigid insulation	**2,050**	sf	6.00	12,300		
07270	Outer cape premium	**1**	ls	11,275.00	11,275		
	SUBTOTAL					285,565	
	B2020 WINDOWS						
	Storefront and windows						
84600	Translucent windows	**735**	sf	145.00	106,575		
84110	W - Aluminum windows (triple glazed)	**240**	sf	215.00	51,600		
08900	Louvers	**1**	ls	10,000.00	10,000		
07920	Backer rod & double sealant	**618**	lf	12.00	7,416		
06100	Wood blocking at openings	**618**	lf	10.00	6,180		
07920	Waterproofing - overall added cost for FSB pricing	**21,040**	sf	3.50	73,640		
	SUBTOTAL					255,411	
	B2030 EXTERIOR DOORS						
	Overhead doors						
08331	18x16 OHD	**2**	ea	28,800.00	57,600		
08331	16x16 OHD	**3**	ea	25,600.00	76,800		
08331	14x14 OHD	**1**	ea	19,600.00	19,600		
08331	16x16 OHD poly	**2**	ea	30,000.00	60,000		
	Man Doors						
08111	HM doors with half light/HM frame 3x7 HM	**9**	ea	2,500.00	22,500		
08111	HM flush doors/frame 6x7 HM	**1**	ea	3,500.00	3,500		
84500	CW-1- Alum entry and side/tran triple glazed	**1**	ea	7,500.00	7,500		
08710	Hardware	**12**	lvs	1,500.00	18,000		
	Misc						
09900	Paint	**12**	ea	200.00	2,400		
07920	Backer rod & double sealant	**360**	lf	12.00	4,320		
06100	Wood blocking at openings	**360**	lf	10.00	3,600		
	SUBTOTAL					275,820	
	TOTAL - EXTERIOR CLOSURE						***$816,796***
	B30 ROOFING						
	B3010 ROOF COVERINGS						
	All roofing, gutters, downspouts and snow guards included with Prefabricated metal building						
	SUBTOTAL					-	
	B3020 ROOF OPENINGS						
07720	Roof hatch and ladder	**1**	ea	6,750.00	6,750		
07720	Roof ladders	**1**	ea	1,650.00	1,650		
10950	Fall arrest system allowance	**1**	ls	20,000.00	20,000		
	SUBTOTAL					28,400	
	TOTAL - ROOFING						***$28,400***

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	C10 INTERIOR CONSTRUCTION						
	C1010 PARTITIONS						
09211	1B Fur-out	**1,992**	sf	14.00	27,888		
09211	2B Fur-out	**1,332**	sf	15.00	19,980		
09211	3A GWB partition	**4,298**	sf	20.00	85,960		
09211	4B 2H GWB rated partition	**320**	sf	25.00	8,000		
09211	6A at Mezz	**1,888**	sf	22.00	41,536		
04200	8A 2HR walls	**1,316**	sf	36.00	47,376		
04200	8A CMU walls at FP rm	**420**	sf	34.00	14,280		
04200	8 CMU wall	**96**	sf	34.00	3,264		
04200	8A CMU walls under mezz	**1,617**	sf	34.00	54,978		
04200	8A CMU wall at wash equip	**840**	sf	34.00	28,560		
	18 - Wash bay separation walls						
04200	8" CMU wall to 8'	**480**	sf	35.00	16,800		
09211	6" metal stud and gwb each side	**1,200**	sf	22.00	26,400		
	F1 - Fire separation walls						
09211	8" lgmf with gwb each side to deck above knee wall 5'-4"	**1,600**	sf	25.00	40,000		
07210	3" closed cell spray foam	**1,600**	sf	10.00	16,000		
04200	4" CMU behind knee wall	**440**	sf	30.00	13,200		
07210	2" rigid behind knee wall	**440**	sf	6.00	2,640		
07270	AVB	**440**	sf	10.00	4,400		
	F2 - Fire separation walls						
09211	8" lgmf with gwb each side to deck above knee wall 5'-4"	**1,400**	sf	25.00	35,000		
07210	3" closed cell spray foam	**1,400**	sf	10.00	14,000		
07210	2" rigid behind knee wall	**700**	sf	6.00	4,200		
07270	AVB	**700**	sf	10.00	7,000		
	Misc						
06100	Rough blocking	**800**	lf	10.00	8,000		
09211	Outer cape premium - drywall	**1**	ls	28,476.40	28,476		
04200	Outer cape premium - masonry	**1**	ls	16,525.80	16,526		
	SUBTOTAL					564,464	
	C1020 INTERIOR DOORS						
	Doors and Frames						
08111	Single doors and frames	**26**	lvs	1,800.00	46,800		
08111	Double doors and frames	**6**	pr	3,200.00	19,200		
	Hardware						
08710	Hardware	**38**	lvs	1,200.00	45,600		
	Misc						
08800	Glazing to doors and frames	**180**	sf	50.00	9,000		
08111	Door sidelights	**12**	ea	800.00	9,600		
08111	HM1 window frames	**2**	ea	1,650.00	3,300		
09900	Paint HM frames	**40**	ea	200.00	8,000		
07920	Sealants & caulking	**40**	ea	110.00	4,400		
12211	Interior blinds	**6**	ea	200.00	1,200		
	SUBTOTAL					147,100	
	C1030 SPECIALTIES / MILLWORK						
06402	Restroom vanities	**10**	lf	475.00	4,750		
06402	Window sills	**64**	lf	65.00	4,160		
06402	Kitchen wall, base cabinets & counters	**20**	lf	700.00	14,000		
06402	Admin copy/file - base and wall cabinet & counter	**5**	lf	700.00	3,500		
06402	Misc millwork and finish carpentry	**1**	ls	7,500.00	7,500		
10140	Tack/white boards	**2**	ea	500.00	1,000		
	Lockers						
10850	Lockers	**16**	ea	950.00	15,200		
10850	Lockers benches	**1**	ea	750.00	750		
10850	ADA benches	**2**	ea	1,650.00	3,300		

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING							
		Restrooms						
10650		Toilet partitions HC	**1**	ea	1,600.00	1,600		
10650		Toilet partitions Reg	**1**	ea	1,300.00	1,300		
10280		Soap disp	**4**	ea	30.00	120		
10280		Mirror	**4**	ea	285.00	1,140		
10280		Robe hook	**8**	ea	30.00	240		
10280		18" Grab bar	**3**	ea	150.00	450		
10280		42" Grab bar	**6**	ea	150.00	900		
10280		Shower seat and bars	**2**	ea	285.00	570		
10280		Wet gear hooks	**8**	ea	65.00	520		
10280		SRWR	**3**	ea	250.00	750		
10280		TTD	**4**	ea	110.00	440		
10280		SND	**4**	ea	165.00	660		
10280		PTD	**3**	ea	330.00	990		
10280		Hooks	**8**	ea	40.00	320		
10280		Shower curtain and rods	**3**	ea	276.00	828		
10280		Jan closet MB	**1**	ea	285.00	285		
		Miscellaneous						
06100		Plywood backers, locker bases and misc	**650**	sf	5.00	3,250		
10440		Fire extinguisher cabinets	**6**	ea	250.00	1,500		
10140		Town seal/ exterior signage	**1**	ls	8,500.00	8,500		
10140		Interior signage	**1**	ls	7,500.00	7,500		
		SUBTOTAL					86,023	
		TOTAL - INTERIOR CONSTRUCTION						***$797,587***
	C20	***STAIRCASES***						
	C2010	**STAIR CONSTRUCTION**						
05500		Mezzanine Stairs	**1**	ea	17,500.00	17,500		
05500		Mezzanine railings	**90**	lf	185.00	16,650		
05500		Gates	**1**	ea	1,250.00	1,250		
05500		Ladders	**1**	ea	1,250.00	1,250		
03300		Concrete material in pan infill	**1**	ea	1,200.00	1,200		
		SUBTOTAL					37,850	
	C2020	**STAIR FINISHES**						
09900		Paint to mezzanine stairs	**1**	ea	3,850.00	3,850		
09900		Paint to mezzanine rails/gates/ladder	**100**	lf	35.00	3,500		
		SUBTOTAL					7,350	
		TOTAL - STAIRCASES						***$45,200***
	C30	***INTERIOR FINISHES***						
	C3010	**WALL FINISHES**						
09900		Paint to GWB	**23,536**	sf	1.50	35,304		
09900		Paint to interior CMU	**9,498**	sf	2.50	23,745		
09300		Wall tile	**750**	sf	33.00	24,750		
06100		FRP to janitor closet	**200**	sf	15.00	3,000		
06100		Wash bay - 1/2" PVC panels	**3,500**	sf	25.00	87,500		
07270		Wash bay - AVB	**3,500**	sf	9.00	31,500		
09211		Exterior wall framing and column wraps	**2,850**	sf	18.00	51,300		
		SUBTOTAL					257,099	
	C3020	**FLOOR FINISHES**						
09651		LVT	**1,500**	sf	14.00	21,000		
09665		Carpet tile	**800**	sf	6.00	4,800		
09730		RF - Resinous Flooring	**750**	sf	18.00	13,500		
09900		SC - Sealed Concrete	**17,910**	sf	1.50	26,865		
09300		Tile	**80**	sf	33.00	2,640		
09651		Rubber base	**760**	lf	6.00	4,560		
09900		Line stripping	**600**	sf	5.00	3,000		
		SUBTOTAL					76,365	

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING							
	C3030	**CEILING FINISHES**						
09510		A1 - ACT ceilings; 2' x 2'	**2,000**	sf	11.00	22,000		
09510		A2 - ACT ceilings; 2' x 2'	**500**	sf	12.00	6,000		
09211		G1 - GWB ceiling	**400**	sf	18.00	7,200		
09211		G2 - GWB ceiling	**475**	sf	22.00	10,450		
09211		G3 - GWB ceiling	**560**	lf	125.00	70,000		
09211		Drop gwb soffits	**40**	lf	60.00	2,400		
09900		Paint to GWB ceilings and soffits	**3,275**	sf	2.00	3,800		
09900		Exposed prefab metal columns and beams	**16,185**	sf	2.50	40,463		
		SUBTOTAL					162,313	
		TOTAL - INTERIOR FINISHES						***495,777***
	D20	***PLUMBING***						
	D20	**PLUMBING**						
		Equipment						
220000		Water Meter	**1**	ea	2,950.00	2,950		
220000		Backflow Preventor Assembly	**1**	ea	6,045.00	6,045		
220000		Water Pressure Regulator	**1**	ea	1,170.00	1,170		
220000		Heat Pump Water Heaters	**1**	ea	15,112.50	15,113		
220000		Hot Water Storage Tank	**1**	ea	7,020.00	7,020		
220000		Recirc Pump	**1**	ea	1,235.00	1,235		
220000		Expansion Tank	**1**	ea	455.00	455		
220000		Thermostatic Mixing Valve	**2**	ea	2,710.50	5,421		
220000		Oil/Water Seperator	**1**	ea	11,830.00	11,830		
220000		Air Compressor w/ Dryer	**1**	ea	31,083.00	31,083		
220000		Trap Primers	**6**	ea	425.00	2,550		
220000		Make Up Water Station	**1**	ea	1,140.00	1,140		
220000		Plumbing Specialties	**1**	ls	11,398.70	11,399		
220000		Equipment Connections	**18**	ea	845.00	15,210		
		Fixtures						
220000		Water Closets	**10**	ea	1,413.50	14,135		
220000		Urinal	**2**	ea	1,216.54	2,433		
220000		Lavatory	**10**	ea	1,292.50	12,925		
220000		Showers	**4**	ea	2,035.00	8,140		
220000		Sink - Mop	**2**	ea	1,292.50	2,585		
220000		Kitchen Sink	**1**	ea	1,527.54	1,528		
220000		Kitchen Sink Garbage Disposal	**1**	ea	780.00	780		
220000		Hand Sink	**1**	ea	1,235.00	1,235		
220000		Shop Sink	**1**	ea	4,810.00	4,810		
220000		Emergency Shower / Eyewash	**1**	ea	3,918.75	3,919		
220000		Bottle Fill Station	**1**	ea	2,887.50	2,888		
220000		Wall Hydrant	**6**	ea	357.50	2,145		
220000		Hose Bibbs	**3**	ea	258.50	776		
220000		Hose Stations	**4**	ea	884.00	3,536		
220000		Ice Machine Box	**1**	ea	181.50	182		
220000		Outlet Box	**1**	ea	287.64	288		
220000		Compressed Air Outlets	**12**	ea	294.87	3,538		
220000		Floor Drains	**9**	ea	654.50	5,891		
220000		Floor Sinks	**2**	ea	808.50	1,617		
220000		(2) Trench Drains	**33**	lf	158.50	5,231		
220000		Trench Drain Catch Basin	**1**	ea	1,365.00	1,365		
220000		Clean Outs	**1**	ea	262.00	262		
220000		Vent Thru Roof	**12**	ea	290.00	3,480		
220000		Hose Connection	**5**	ea	475.00	2,375		
220000		Compressed Air Equipment Connections	**5**	ea	475.00	2,375		
220000		Fixture Rough Ins	**40**	ea	624.00	24,960		
		Piping						
220000		Water Service	**25**	lf	168.32	4,208		
220000		Water - 1/2"	**600**	lf	39.00	23,400		
220000		Water - 3/4"	**500**	lf	42.25	21,125		
220000		Water - 1"	**300**	lf	48.75	14,625		
220000		Water - 1 1/4"	**150**	lf	53.95	8,093		
220000		Water - 1 1/2"	**120**	lf	59.80	7,176		
220000		Water - 2 1/2"	**200**	lf	71.50	14,300		
220000		UGSan - 2"	**70**	lf	94.25	6,598		
220000		UGSan - 4"	**200**	lf	130.00	26,000		
220000		San - 2"	**180**	lf	94.25	16,965		
220000		San - 3"	**110**	lf	123.50	13,585		
220000		San - 4"	**340**	lf	130.00	44,200		
220000		Vent - 1 1/2"	**60**	lf	76.05	4,563		
220000		Vent - 2"	**120**	lf	88.40	10,608		
220000		Vent - 2 1/2"	**60**	lf	94.25	5,655		
220000		Vent - 3"	**140**	lf	100.10	14,014		
220000		UGOil Vent - 2"	**60**	lf	113.75	6,825		
220000		UGOil Vent - 4"	**130**	lf	140.40	18,252		
220000		Oil Vent - 2"	**50**	lf	94.25	4,713		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
220000	UG Oil Waste - 4"	**600**	lf	140.40	84,240		
220000	UG Oil Waste - 6"	**300**	lf	166.40	49,920		
220000	Compressed Air- 1/2"	**120**	lf	41.60	4,992		
220000	Compressed Air - 3/4"	**800**	lf	45.50	36,400		
220000	Compressed Air - 1"	**150**	lf	51.35	7,703		
220000	Compressed Air - 1 1/2"	**150**	lf	58.50	8,775		
220000	Compressed Air - 2"	**100**	lf	71.50	7,150		
220000	Insulation	**1,895**	lf	13.98	26,492		
	Trade Requirements						
220000	Excavation & Backfill	**400**	cy	49.87	19,948		
220000	Project Supervision	**600**	hrs	130.00	78,000		
220000	Coordination	**400**	hrs	130.00	52,000		
220000	Outer cape premium	**1**	ls	86,654.50	86,655		
	SUBTOTAL					953,200	
	TOTAL - PLUMBING						***$953,200***
	D30 HVAC						
	D30 HVAC						
	Equipment						
230000	(2) Ground Source Geothermal Heat Pumps - GSHP 1 thru 2	**60**	tons	1,982.50	118,950		
230000	Geothermal Heat Exchanger - HX 1	**1**	ea	14,040.00	14,040		
230000	Geothermal Pumps - P 1A & B	**2**	ea	33,540.00	67,080		
230000	VFD - Geothermal Pumps P1 A & B	**2**	ea	26,520.00	53,040		
230000	Primary Loop Pumps - P 2A & B	**2**	ea	3,770.00	7,540		
230000	VFD - Primary Loop Pumps - P 2A & B	**2**	ea	2,080.00	4,160		
230000	Secondary Loop Pumps - P 3A & B	**2**	ea	3,282.50	6,565		
230000	VFD - Secondary Loop Pumps - P 3A & B	**2**	ea	3,120.00	6,240		
230000	Geothermal Pumps - P 4A & B	**2**	ea	5,915.00	11,830		
230000	VFD - Geothermal Pumps - P 4A & B	**2**	ea	3,120.00	6,240		
230000	Air Seperator - Geothermal	**2**	ea	5,460.00	10,920		
230000	Expansion Tank - Geothermal	**2**	ea	8,053.50	16,107		
230000	Buffer Tank - Geothermal	**1**	ea	17,290.00	17,290		
230000	Bypass Chemical Shot Feeder - Geothermal	**1**	ea	2,750.00	2,750		
230000	Glycol Feeder - Geothermal	**2**	ea	10,465.00	20,930		
230000	Glycol - Geothermal	**220**	gal	33.50	7,370		
230000	Radiant Manifold - Fleet Maintenance	**3**	ea	5,070.00	15,210		
230000	Radiant Floor Coverage - Fleet Maintenance Bay	**8,696**	sf	20.00	173,920		
230000	(1) Energy Recovery Unit - ERU 1	**2,500**	cfm	9.25	23,125		
230000	(2) Heat Recovery Unit - HRU 1 & 2	**4,275**	cfm	14.50	61,988		
230000	(1) Energy Recovery Unit - ERU 1	**750**	cfm	8.50	6,375		
230000	Fan Coil Units	**10**	ea	5,590.00	55,900		
230000	(1) Heating & Ventilation - HV 1	**2,500**	cfm	5.00	12,500		
230000	Gravity Ventilators	**6**	ea	5,785.00	34,710		
230000	(3) Louvers & Dampers - Outside & Exhaust	**20**	sf	205.00	4,100		
230000	Ductless Splt Heat Pump - HP/CU	**2**	ea	3,965.00	7,930		
230000	Exhaust Fan - EF 1	**3**	ea	4,940.00	14,820		
230000	Exhaust Fan - EF 2A	**3**	ea	3,120.00	9,360		
230000	Exhaust Fan - EF 2B	**3**	ea	2,145.00	6,435		
230000	Exhaust Fan - EF 3A	**1**	ea	5,980.00	5,980		
230000	Exhaust Fan - EF 3B & 3C	**2**	ea	7,215.00	14,430		
230000	Ceiling Fans	**3**	ea	7,865.00	23,595		
230000	Unit Heaters - UH 1 thru UH 5	**5**	ea	1,495.00	7,475		
230000	Unit Heaters - 6A thru 6C	**4**	ea	3,380.00	13,520		
230000	RGDs	**100**	ea	292.00	29,200		
	Geothermal Well Field						
230000	Geothermal Test Well				by others		
230000	Geothermal Wells	**15**	ea	16,500.00	247,500		
230000	Geothermal Manifold	**1**	ea	15,860.00	15,860		
230000	Geothermal Horizontal Piping to Manifold	**1,200**	lf	49.40	59,280		
230000	Geothermal Horizontal Piping from Manifold to Geo Mechanical Room	**400**	lf	110.50	44,200		
230000	Sediment and Water Handling	**1**	ls	20,000.00	20,000		
	Sheet Metal						
230000	Galvanized	**26,300**	lbs	17.35	456,305		
230000	Sheet Metal Specialties	**1**	ls	45,630.50	45,631		
230000	Equipment Connections	**1**	ls	14,040.00	14,040		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	Piping						
230000	Dual Temp Water from GSHP to Equipment	**3,000**	lf	123.50	370,500		
230000	Hot Water	**360**	lf	65.00	23,400		
230000	Refrigerant Line Sets	**2**	ea	1,332.50	2,665		
230000	Condensate	**300**	lf	42.90	12,870		
230000	Geothermal Piping at GSHP Mechanical Room	**200**	lf	49.40	9,880		
230000	Dual Temp Specialties	**1**	ls	37,050.00	37,050		
230000	Hot Water Specialties	**1**	ls	2,340.00	2,340		
230000	Refrigerant Specialties	**1**	ls	666.25	666		
230000	Geothermal Specialties	**1**	ls	2,470.00	2,470		
230000	Equipment Connections	**1**	ls	22,750.00	22,750		
	Insulation						
230000	Sheet Metal - Galvi	**17,884**	sf	4.35	77,795		
230000	Piping	**3,860**	lf	19.85	76,621		
	Controls						
230000	ATC	**21,040**	sf	7.75	163,060		
230000	CO2/NO2 Monitoring	**21,040**	sf	3.00	63,120		
230000	BMS Network	**1**	ls	30,700.00	30,700		
230000	Network Integration	**1**	ls	10,150.00	10,150		
	Commissioning						
230000	Start Up	**280**	hrs	130.00	36,400		
230000	Testing, Adjusting, & Balancing	**320**	hrs	135.00	43,200		
230000	3rd Party Cx Assist	**240**	hrs	140.00	33,600		
	Trade Requirements						
230000	Project Supervision	**400**	hrs	130.00	52,000		
230000	Coordination	**200**	hrs	130.00	26,000		
230000	Crane	**1**	ls	12,500.00	12,500		
230000	Rigging	**80**	hrs	130.00	10,400		
230000	Outer cape premium	**1**	ls	291,457.80	291,458		
	SUBTOTAL					3,206,036	
	TOTAL - HVAC						***$3,206,036***
	D40 FIRE PROTECTION						
	D40 FIRE PROTECTION						
210000	FP service equipment, valves, compressors and misc	**1**	ls	20,000.00	20,000		
210000	Mains, branch and heads	**21,040**	sf	12.00	252,480		
210000	500 GMP Fire pump, 7 GMP jockey and turbine vault	**1**	ls	110,000.00	110,000		
210000	30,000 gal tank and piping assembly	**1**	ls	85,000.00	85,000		
210000	Hydraulic calculations, coordination and testing	**1**	ls	15,000.00	15,000		
210000	Outer cape premium	**1**	ls	48,248.00	48,248		
	SUBTOTAL					530,728	
	TOTAL - FIRE PROTECTION						***$530,728***

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	D50 ELECTRICAL						
	D50 ELECTRICAL						
	Light Fixtures						
260000	Type LR22	**9**	ea	410.00	3,690		
260000	Type LS4	**8**	ea	320.00	2,560		
260000	Type LS8	**5**	ea	640.00	3,200		
260000	Type LR4	**6**	ea	615.00	3,690		
260000	Type LR6	**4**	ea	925.00	3,700		
260000	Type LR8	**4**	ea	1,200.00	4,800		
260000	Type LS4H	**1**	ea	340.00	340		
260000	Type LS8H	**29**	ea	580.00	16,820		
260000	Type LSV8	**9**	ea	580.00	5,220		
260000	Type LP1 Hi Bay	**20**	ea	425.00	8,500		
260000	Type LP8	**1**	ea	1,285.00	1,285		
260000	Type LP10	**3**	ea	1,550.00	4,650		
260000	Type RC1	**5**	ea	400.00	2,000		
260000	Type RC2	**8**	ea	400.00	3,200		
260000	Type RSH	**3**	ea	410.00	1,230		
260000	Exit	**14**	ea	400.00	5,600		
260000	Type SL3 Exter Wallpack	**8**	ea	475.00	3,800		
260000	Type SL4 Exter Wallpack	**10**	ea	1,000.00	10,000		
260000	Type UC	**12**	lf	130.00	1,560		
260000	Type LWS	**44**	lf	165.00	7,260		
260000	Addressable Luminaire Module	**115**	ea	90.00	10,350		
260000	Emergency Battery Ballast	**42**	ea	150.00	6,300		
	Branch Circuitry						
260000	3/4" Emt, 4#12	**5,389**	lf	20.00	107,780		
260000	MC Cable	**3,592**	lf	8.00	28,736		
260000	3/4" Emt, 4#10	**120**	lf	20.00	2,400		
260000	1" Emt, 4#8	**100**	lf	28.00	2,800		
260000	Plenum Cable	**2,770**	lf	1.50	4,155		
260000	Plug Load Controller Xmitters	**1**	ls	4,600.00	4,600		
260000	Core for Poke-Thru's	**8**	ea	55.00	440		
260000	Switches	**1**	ea	100.00	100		
260000	OS, VS Power Pack	**22**	ea	200.00	4,400		
260000	Lighting Wall Station L	**29**	ea	245.00	7,105		
260000	Master Lighting Wall Station M	**9**	ea	700.00	6,300		
260000	Occupancy Sensor clg	**27**	ea	275.00	7,425		
260000	Occupancy Sensor HB clg	**16**	ea	300.00	4,800		
260000	Duplex Receptacles	**31**	ea	100.00	3,100		
260000	Junc Boxes, Misc	**16**	ea	75.00	1,200		
260000	Receptacles GFI	**7**	ea	120.00	840		
260000	Receptacles Quad	**4**	ea	165.00	660		
260000	Receptacles I/O Module	**34**	ea	135.00	4,590		
260000	Receptacles Quad, I/O Module	**6**	ea	245.00	1,470		
260000	Floor Power Outlet, poke-thru	**4**	ea	440.00	1,760		
260000	Cond Pump Conn	**10**	ea	175.00	1,750		
260000	Receptacles GFI WP	**19**	ea	275.00	5,225		
260000	Receptacles 20/2A	**3**	ea	110.00	330		
260000	Receptacles 20/2A Tw Lk	**2**	ea	120.00	240		
260000	Receptacles Cord/Reel - Allow	**16**	ea	600.00	9,600		
260000	EPO	**6**	ea	245.00	1,470		
260000	Manual Snap Switch Starter, 120v	**35**	ea	200.00	7,000		
260000	30 Amp Receptacle	**3**	ea	145.00	435		
260000	50 Amp Receptacle	**1**	ea	220.00	220		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	Power Circuitry						
260000	1/2" Emt, 2#14	**330**	lf	10.00	3,300		
260000	3/4" Emt, 4#12	**1,560**	lf	12.00	18,720		
260000	3/4" Emt, 2#18	**180**	lf	10.00	1,800		
260000	3/4" Emt, 4#10	**3,600**	lf	13.00	46,800		
260000	1" Emt, 4#8	**100**	lf	18.00	1,800		
260000	1" Emt, 4#6	**200**	lf	22.00	4,400		
260000	1 1/4" Emt, 4#4	**400**	lf	30.00	12,000		
260000	1 1/4" Emt, 4#2	**80**	lf	36.00	2,880		
260000	1 1/2" Emt, 4#1	**50**	lf	42.00	2,100		
260000	2" Emt, 4 3/0	**170**	lf	60.00	10,200		
260000	3" Emt, 4 350Mcm	**30**	lf	110.00	3,300		
260000	3 1/2" Emt, 4 500 Mcm	**30**	lf	145.00	4,350		
260000	4" Emt, 4 600 Mcm	**80**	lf	175.00	14,000		
260000	3/4" Rigid, 4#10	**100**	lf	25.00	2,500		
260000	2" Rigid, 4 1/0	**30**	lf	75.00	2,250		
260000	1" Pvc, 4#6 UG	**280**	lf	16.00	4,480		
260000	1" EMT Cdt. Future PV	**100**	lf	12.00	1,200		
260000	4" EMT Cdt. Future PV	**700**	lf	38.00	26,600		
260000	PV Power Pullbox, WP	**2**	ea	470.00	940		
260000	PV Comm Pullbox, WP	**2**	ea	275.00	550		
	Lightning Protection & Grounding						
260000	Lightning Protection Allowance	**1**	ls	20,000.00	20,000		
260000	Service Grounding	**1**	ls	4,500.00	4,500		
260000	MDF Grounding	**1**	ls	1,500.00	1,500		
	Power Equipment						
260000	100 Amp Panel Board	**4**	ea	4,200.00	16,800		
260000	225 Amp Panel Board	**9**	ea	6,250.00	56,250		
260000	225 Amp Panel Board, 2-Section	**2**	ea	12,000.00	24,000		
260000	800 Amp Distr Board	**1**	ea	20,000.00	20,000		
260000	1000 Amp Main Switchboard	**1**	ls	70,000.00	70,000		
260000	MMU Metering Cabinet	**1**	ea	8,400.00	8,400		
260000	CT's for MMU	**11**	ea	830.00	9,130		
260000	Lighting Control Panel - Allow	**1**	ea	5,400.00	5,400		
260000	SPD @ MDB	**1**	ea	2,700.00	2,700		
260000	SPD @ Panel	**18**	ea	1,000.00	18,000		
260000	Shunt Trip Adder	**3**	ea	450.00	1,350		
260000	30 Kva Transformer	**5**	ea	6,800.00	34,000		
260000	112 Kva Transformer	**2**	ea	11,000.00	22,000		
260000	Future PV Disc 800A	**1**	ea		-		
260000	Future PV Meter 800A	**1**	ea		-		
	Emergency Power						
260000	400KW Emergency Generator, diesel, WP	**1**	ea	150,000.00	150,000		
260000	100 Amp Encl Ckt Brkr, EG	**1**	ea	1,750.00	1,750		
260000	200 Amp Encl Ckt Brkr, EG	**1**	ea	2,500.00	2,500		
260000	400/250 Amp Encl Ckt Brkr, EG	**1**	ea	4,500.00	4,500		
260000	800 Amp Encl Ckt Brkr, EG	**1**	ea	8,500.00	8,500		
260000	EG Tap Box 1000A	**1**	ea	27,000.00	27,000		
260000	Manual Transfer Sw 100A	**1**	ea	5,300.00	5,300		
260000	Autotransfer Sw 100A, Byp Isol	**1**	ea	10,000.00	10,000		
260000	EG Cam Lock Conn 150A	**1**	ea	6,200.00	6,200		
260000	Manual Transfer Sw 200A	**1**	ea	7,000.00	7,000		
260000	Autotransfer Sw 800A	**1**	ea	21,000.00	21,000		
260000	EG Annunciator	**1**	ea	1,400.00	1,400		
260000	250KW Load Bank	**1**	ea	22,000.00	22,000		
260000	24KW UPS, Batteries - ALLOW	**1**	ls	25,000.00	25,000		
260000	200 Amp Disconnect, UPS	**1**	ea	2,210.00	2,210		
260000	Portable Generator	**NIC**					
260000	Install OH Door CP FBO	**8**	ea	340.00	2,720		
260000	Photo Eye Micro Sw MS (Door, FBO)	**40**	ea	90.00	3,600		
260000	OH Door Pushbutton Controller	**8**	ea	335.00	2,680		
260000	OH Door Traffic Light	**8**	ea	250.00	2,000		
260000	20/2 Amp Disconnect	**4**	ea	480.00	1,920		
260000	30/2 Amp Disconnect	**2**	ea	480.00	960		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
260000	30 Amp Disconnect OH Door	**8**	ea	650.00	5,200		
260000	30 Amp Disconnect	**16**	ea	650.00	10,400		
260000	60 Amp Disconnect	**1**	ea	1,100.00	1,100		
260000	100/2 Amp Disconnect	**1**	ea	1,200.00	1,200		
260000	100 Amp Disconnect	**3**	ea	1,500.00	4,500		
260000	Install Veh Exh CP FBO	**1**	ea	340.00	340		
260000	Pressure Sensor Backbox, stubup	**6**	ea	57.00	342		
260000	Install 10HP VFD FBO	**10**	ea	840.00	8,400		
260000	Install Jockey Pump Controller FBO	**1**	ea	1,200.00	1,200		
260000	Install Fire Pump Controller/ATS FBO	**1**	ea	2,600.00	2,600		
260000	Install Misc Sensor FBO	**3**	ea	90.00	270		
260000	Install Water Meter FBO	**1**	ea	175.00	175		
260000	Instal Misc CP FBO	**2**	ea	340.00	680		
260000	Instal Power Sujpply FBO	**1**	ea	100.00	100		
	Fire Alarm						
260000	3/4" Rigid, 3#10	**50**	lf	18.00	900		
260000	MC/ Teflon Cable	**2,920**	lf	6.00	17,520		
260000	FATC	**1**	ea	900.00	900		
260000	Pull Station	**12**	ea	185.00	2,220		
260000	Audible/Visual	**23**	ea	320.00	7,360		
260000	Audible/Visual WP	**1**	ea	380.00	380		
260000	Smoke Detector	**16**	ea	345.00	5,520		
260000	CO Detector	**4**	ea	345.00	1,380		
260000	WP Bell	**1**	ea	225.00	225		
260000	WP Beacon	**1**	ea	225.00	225		
260000	Annunciator	**1**	ea	1,750.00	1,750		
260000	Central Equipment FACP (filing, program, test)	**1**	ls	16,000.00	16,000		
260000	Fused Disc	**1**	ea	670.00	670		
260000	Communicator	**1**	ea	185.00	185		
260000	Misc Connections - Allow	**24**	ea	235.00	5,640		
260000	Master Box Radio, Antenna (allow)	**1**	ea	7,500.00	7,500		
260000	Knox Box	**2**	ea	300.00	600		
260000	SPD	**3**	ea	600.00	1,800		
260000	BDA Allowance ((2) Amps)	**1**	ls	65,000.00	65,000		
	Telecommunications System						
260000	MDF Racks, Terms, etc (PBX by others)	**1**	ls	10,000.00	10,000		
260000	CAT 6A Cable	**8,850**	lf	1.40	12,390		
260000	Main Ground Bar	**1**	ea	1,000.00	1,000		
260000	Ground Bar	**1**	ea	600.00	600		
260000	1" EMT, #1/0G	**100**	lf	16.00	1,600		
260000	2" EMT Cdt	**360**	lf	20.00	7,200		
260000	Roof Pene, Antenna Weatherhead	**4**	ea	530.00	2,120		
260000	2" Wall Sleeve	**6**	ea	100.00	600		
260000	4" Wall Sleeve	**4**	ea	110.00	440		
260000	24" Cable Tray (allow)	**220**	lf	40.00	8,800		
260000	J-Hook Pathway (allow)	**200**	lf	4.00	800		
260000	Tel Outlet w/ Stubup 1C	**9**	ea	57.00	513		
260000	WAP Outlet 2c AN	**10**	ea	57.00	570		
260000	TVC Outlet w/ Stubup 2C	**1**	ea	70.00	70		
260000	Tel/Data Outlet w/ Stubup 3C	**4**	ea	80.00	320		
260000	Floor Data Outlet 4C	**4**	ea	325.00	1,300		
260000	ARA Area Phone	**1**	ea	500.00	500		
260000	SRP	**1**	ea	500.00	500		
	Security System						
260000	3/4" Emt, 4#12	**260**	lf	10.00	2,600		
260000	Composite Cable	**1,560**	lf	2.00	3,120		
260000	Plenum Cable	**3,710**	lf	1.00	3,710		
260000	Coax Cable	**3,000**	lf	0.80	2,400		
260000	Access Control Central Eqpt	**1**	ea	10,000.00	10,000		
260000	CPU	**1**	ea	2,600.00	2,600		
260000	CCTV Monitoring/Recording Eqpt	**1**	ls	9,500.00	9,500		
260000	UPS, Rack Mtd	**1**	ls	3,000.00	3,000		
260000	Door Junc Box	**13**	ea	60.00	780		
260000	Door Contact Switch	**19**	ea	150.00	2,850		
260000	Overhead Door Contact Switch	**8**	ea	265.00	2,120		
260000	Request to Exit REX	**13**	ea	185.00	2,405		
260000	Card Reader	**13**	ea	625.00	8,125		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
260000	Motion Sensor	**9**	ea	450.00	4,050		
260000	Electric Lock EL	**13**	ea	425.00	5,525		
260000	Power Hinge EH	**13**	ea	425.00	5,525		
260000	PT Power Supply @ Door Locks	**13**	ea	350.00	4,550		
260000	TS Switch @ Doors	**13**	ea	150.00	1,950		
260000	CCTV Camera Fixed (allow)	**12**	ea	1,100.00	13,200		
260000	CCTV Camera, WP	**8**	ea	1,700.00	13,600		
	AV/Sound/PA/Intercom System						
260000	Plenum Cable	**250**	lf	1.25	313		
260000	Sound Rack	**1**	ea	5,300.00	5,300		
260000	Speaker	**2**	ea	225.00	450		
260000	Volume Control	**2**	ea	155.00	310		
260000	A/V System Roughin Allowance	**21,040**	sf	0.20	4,208		
	Misc						
260000	Temp Power and Lighting	**1**	ls	25,000.00	25,000		
260000	Misc Demo, Removals	**1**	ls	15,000.00	15,000		
260000	Startup, Testing, Commissioning	**1**	ls	25,000.00	25,000		
	SITE WORK						
	Site Lighting						
260000	Type SL1 Light Pole w/ 1-Fixt	**8**	ea	3,600.00	28,800		
260000	Type SL2 Light Pole w/ 2-Fixt	**1**	ea	4,500.00	4,500		
260000	Type SL6 Flagpole Light	**3**	ea	500.00	1,500		
260000	1" PVC, 3#8, #10 UG	**900**	lf	10.00	9,000		
260000	#10 Wire in Poles	**810**	lf	1.15	932		
260000	Site Lighting Controls	**1**	ls	3,500.00	3,500		
	EV Charging Stations						
260000	EV Charging Station	**2**	ea	5,500.00	11,000		
260000	1" PVC, 3#8, #10 UG	**300**	lf	10.00	3,000		
	Site Utilities						
260000	Utility Pole Riser	**1**	ls	3,500.00	3,500		
260000	4" PVC CDT UG (Pri)	**280**	lf	15.00	4,200		
260000	Utility Transformer Pad	**1**	ls	3,500.00	3,500		
260000	1000 Amp CT Cabinet	**1**	ea	9,200.00	9,200		
260000	4" PVC, 4 600 Mcm UG (Sec)	**650**	lf	160.00	104,000		
260000	4" PVC CDT UG (Spare)	**310**	lf	15.00	4,650		
260000	4" PVC, 4 600 Mcm UG (EG)	**190**	lf	160.00	30,400		
260000	4" PVC CDT UG (EG Spare)	**50**	lf	15.00	750		
260000	2" PVC, 4#1 (EG) UG	**390**	lf	30.00	11,700		
260000	1" PVC, EG Controls, 120v, UG	**150**	lf	9.00	1,350		
	Misc Power						
260000	Electric Handhole	**1**	ea	5,500.00	5,500		
	Telecommunications						
260000	Telecomm Utility Riser	**1**	ls	3,500.00	3,500		
260000	4" PVC (Tel,empty)	**720**	lf	15.00	10,800		
260000	1 1/4" Innderduct	**540**	lf	3.00	1,620		
	Misc						
260000	Temp Power	**1**	ls	6,000.00	6,000		
260000	Remove Exist Service, Xfmr, Fdrs, Eqpt	**1**	ls	2,500.00	2,500		
260000	Misc Site Demo	**1**	ls	3,000.00	3,000		
260000	Misc Eqpt Rentals	**1**	ls	2,500.00	2,500		
260000	Outer cape premium	**1**	ls	89,341.20	89,341		
	SUBTOTAL					1,876,165	
	TOTAL - ELECTRICAL						***$1,876,165***

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	E20 FURNISHINGS						
	E2010 FIXED FURNISHINGS						
12211	Horizontal Louver Blinds/Blackout	**240**	sf	15.00	3,600		
11310	Kitchen appliances				by owner		
	SUBTOTAL					$3,600	
	E2020 MOVABLE FURNISHINGS						
	All movable furnishings to be provided and installed by owner					NIC	
	SUBTOTAL						
	TOTAL - FURNISHINGS						***$3,600***
	F10 INDUSTRIAL EQUIPMENT						
	Maintenance Equipment Schedule						
11810	CD-1 Wood Workbench with Casters 1 ERO N/A	**ERO**					
11810	CD-2 Steel Work Bench (72inx36in) (14,000 Lbs Capacity) 1 N 12 40 00	**1**	ea	1,037.30	1,037		
11810	CD-3 Electric Charging Workbench 1 N 12 40 00	**1**	ea	937.60	938		
11810	CD-4 Long Wood Workbench 1 N 12 40 00	**1**	ea	600.00	600		
11810	CD-5 Heavy Duty Thick Top Workbench 1 N 12 40 00	**1**	ea	850.00	850		
11810	CH-1 Carpentry Tool Drawer 1 ERO N/A	**ERO**					
11810	CH-2 Flammable Cabinet (Green)(60-Gallons) 1 ERO N/A	**ERO**					
11810	CH-3 Flammable Cabinet (45-Gallons) 1 ERO N/A	**ERO**					
11810	CH-4 Parts Shelving (6' x 2') 1 N 12 40 00	**1**	ea	1,005.40	1,005		
11810	CM-1 Miter Saw with Stand 1 ERO N/A	**ERO**					
11810	CM-2 Saw Horse 1 ERO N/A	**ERO**					
11810	CM-3 Pallet Jack 1 ERO N/A	**ERO**					
11810	CM-4 Portable Table Saw 1 ERO N/A	**ERO**					
11810	CM-5 Portable Dust Collector 1 N 12 40 00	**1**	ea	1,280.00	1,280		
11810	CM-6 Bench Vise 1 N 12 40 00	**1**	ea	691.90	692		
11810	MA-1 5 Ton Bridge Crane 1 N 14 22 13	**1**	ea	185,000.00	185,000		
11810	MB-1 18k Mobile Column 6 N 14 45 00	**6**	ea	65,000.00	390,000		
11810	MB-2 20K 2 Post Lift 1 N 14 45 00	**1**	ea	38,000.00	38,000		
11810	MC-1 2-Drum Spill Pallet 2 ERO 11 11 29	**ERO**					
11810	MC-2 55-Gallon Drum 10 NIC N/A	**NIC**					
11810	MC-3 Waste Oil Caddy 1 ERO N/A	**ERO**					
11810	MC-4 Grease Cart 1 ERO N/A	**ERO**					
11810	MC-5-9 Fluid storage	**1**	ls	95,000.00	95,000		
11810	MC-5 600-Gallon Bulk Fluids Tank (300G 15W-40/180G 0W-30/120G 0W-20) 1	**1**	ea		inc above		
11810	MC-6 400-Gallon Waste Oil Tank 1 N 11 11 29	**1**	ea		inc above		
11810	MC-7 Wall Mounted Lube Pumps 3 N 11 11 29	**3**	ea		inc above		
11810	MC-8 Lube Reel Bank (0W-20, 0W-30, 15W-40, Electric Reel, 1/2" Air) 1 N 11 1	**1**	ea		inc above		
11810	MC-9 Fluid Storage Room Sump Alarm 1 N 11 11 29	**1**	ea		inc above		
11810	MD-1 Metal Worktop 1 ERO N/A	**ERO**					
11810	MD-2 Electric Charging Workbench 1 N 12 40 00	**1**	ea	937.60	938		
11810	MD-3 Steel Work Bench on Casters 2 N 12 40 00	**2**	ea	2,800.00	5,600		
11810	MD-4 Heavy Duty Thick Top Workbench 1 N 12 40 00	**1**	ea	950.00	950		
11810	MF-1 Torch Cart 1 ERO N/A	**ERO**					
11810	MF-2 Lincoln AC225 Arc Welder 1 ERO N/A	**ERO**					
11810	MF-3 Miller Millermatic 252 1 ERO N/A	**ERO**					
11810	MF-4 Metabo HPT Hammer Cart 1 ERO N/A	**ERO**					
11810	MF-5 Thermal Dynamics Welder 1 ERO N/A	**ERO**					
11810	MF-6 Lincoln Welden Power 1 ERO N/A	**ERO**					
11810	MF-7 Lincoln SP-170T Arc Welder 1 ERO N/A	**ERO**					
11810	MF-8 Drill Press 1 ERO N/A	**ERO**					
11810	MF-9 Shop Press 1 ERO N/A	**ERO**					
11810	MF-10 Portable Weld Fume Extractor 1 NIC N/A	**NIC**					
11810	MF-11 Welding Screen 2 NIC N/A	**NIC**					
11810	MF-12 Oxygen/Acetylene Tank Storage Cage 2 N 12 40 00	**2**	ea	1,303.50	2,607		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
11810	MG-1 Tire Changer 1 ERO N/A	**ERO**					
11810	MG-2 Tire Balancer 1 ERO N/A	**ERO**					
11810	MG-3 Tire Storage Rack 2 N 12 40 00	**2**		220.00	440		
11810	MH-1 Snap-on Tool Box 1 ERO N/A	**ERO**					
11810	MH-2 MAC Tools Blue Cart 1 ERO N/A	**ERO**					
11810	MH-3 Wooden Cabinet (Glass Window) 1 ERO N/A	**ERO**					
11810	MH-4 Windshield Wiper Blade Rack 1 ERO N/A	**ERO**					
11810	MH-5 Nuts and Bolts Storage 4 ERO N/A	**ERO**					
11810	MH-6 Flammable Cabinet (60-Gallons) 1 ERO N/A	**ERO**					
11810	MH-7 Metal Cabinet 1 N 12 40 00	**1**	ea	1,450.00	1,450		
11810	MH-10 Cantilever Rack (Flat) 1 N 12 40 00	**1**	ea	2,310.00	2,310		
11810	MM-1 Tall Jack Stand 1 ERO N/A	**ERO**					
11810	MM-2 Small Jack Stands 8 ERO N/A	**ERO**					
11810	MM-3 Floor Jack 1 ERO N/A	**ERO**					
11810	MM-4 Chop Saw on Cart 1 ERO N/A	**ERO**					
11810	MM-5 Snap-on Battery Charger 1 ERO N/A	**ERO**					
11810	MM-6 Chain Sharpener 1 ERO N/A	**ERO**					
11810	MM-7 Heated Carpet Extractor 1 ERO N/A	**ERO**					
11810	MM-8 Parts Washer 1 N 12 40 00	**1**	ea	2,500.00	2,500		
11810	MM-9 Pedestal Grinder 2 N 12 40 00	**2**	ea	559.90	1,120		
11810	MM-10 Bench Vise 1 N 12 40 00	**1**	ea	691.90	692		
11810	SD-1 Drafting Table 1 ERO N/A	**ERO**					
11810	SD-2 Computer Desk 1 N 12 40 00	**1**		506.00	506		
11810	SH-1 Hanging Vinyl Storage 1 ERO N/A	**ERO**					
11810	SH-2 Parts Shelving (6' x 2') 2 N 12 40 00	**2**		800.00	1,600		
11810	SM-1 Vinyl Express Printer 1 ERO N/A	**ERO**					
	Mezzanine Industrial Equipment Schedule						
11810	ME-1 Hose Clamp Rack 2 ERO N/A	**ERO**					
11810	ME-2 Hydraulic Hose Bins 1 ERO N/A	**ERO**					
11810	ME-3 Hydraulic Hose Chop Saw 1 ERO N/A	**ERO**					
11810	ME-4 Hydraulic Hose Crimper 1 ERO N/A	**ERO**					
11810	ME-5 Steel Work Bench on Casters 1 N 12 40 00	**1**	ea	2,800.00	2,800		
11810	ME-6 Hydraulic Hose Reel Rack 2 N 12 40 00	**2**	ea	836.00	1,672		
11810	ME-7 Hydraulic Vertical Storage Cabinet 1 N 12 40 00	**1**	ea	1,556.50	1,557		
11810	MH-8 Parts Shelving (6' x 2') 12 N 12 40 00	**12**	ea	1,005.40	12,065		
11810	MH-9 Parts Shelving (6' x 2') 3 N 12 40 00 Reserved for existing sliding drawers	**3**	ea	1,005.40	3,016		
	Wash Bay						
11810	Manual high pressure wash and undercarriage wash	NIC					
11810	V-1 Manual Wash Pressure Plant 1 N 11 11 26	NIC					
11810	V-2 Manual Wash Control Panel 1 N 11 11 26	NIC					
11810	V-3 Festoons 2 N 11 11 26	NIC					
11810	V-4 Manual Wash On/Off Switch 2 N 11 11 26	NIC					
11810	V-5 Undercarriage Wash Pressure Plant 1 N 11 11 26	NIC					
11810	V-6 Undercarriage Wash Control Panel 1 N 11 11 26	NIC					
11810	V-7 Automatic Undercarriage Pre-Fab Trenches 2 N 11 11 26	**2**	ea	25,000.00	50,000		
11810	V-8 Automatic Undercarriage photo Eye 2 N 11 11 26	NIC					
11810	V-9 Automatic Wheel Washers 1 N 11 11 26	NIC					
11810	V-10 Vehicle Wash Guide Rails 1 N 11 11 26	NIC					
11810	V-11 Vehicle Wash Soap drum 1 N 11 11 26	NIC					
11810	V-12 Undercarriage Wash Control Station 2 N 11 11 26	**2**	ea	5,000.00	10,000		
11810	V-13 Vehicle Wash Pre-Treatment Tank (1500gal) 1 N 11 11 26	**1**	ea	20,000.00	20,000		
11810	V-14 Mobile Platform 1 N 11 11 26	NIC					
11810	V-15 Loop Detector 2 N 11 11 26	**2**	ea	7,500.00	15,000		
11810	V-16 Vehicle Wash Entry Traffic Light 1 N 11 11 26	NIC					
11810	V-17 Undercarriage Wash Status Light 1 N 11 11 26	NIC					
	Misc						
11810	Connect and or install ERO equipment	**200**	hrs	150.00	30,000		
	SUBTOTAL					881,225	
	TOTAL - INDUSTRIAL EQUIPMENT						***$881,225***

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	B SITEWORK						
	Building Demolition						
02050	Demolish and remove vehicle maintenance building only	**4,000**	sf	12.00	48,000		
02450	Haz-mat allowance	**4,000**	sf	5.00	20,000		
220000	Demo, cut and cap plumbing	**1**	ea	5,000.00	5,000		
230000	Demo, cut, cap and decommission HVAC	**1**	ea	5,000.00	5,000		
260000	Demo/make safe electrical	**1**	ea	5,000.00	5,000		
	SUBTOTAL					83,000	
	Site Demo & Prep						
312000	Mobilization	**1**	ea	7,500.00	7,500		
311000	Site fencing, gates, protection, barricades	**1**	ls	25,000.00	25,000		
311000	Stabilized Construction Entrance	**1**	ea	7,500.00	7,500		
312500	Compost filter tubes and silt fence	**1,500**	lf	19.00	28,500		
312500	Inlet protection	**2**	ea	250.00	500		
311000	Tree/stump removals	**27**	ea	500.00	13,500		
311000	Clear and grub	**28,800**	sf	0.90	25,920		
311000	Sawcut and remove paving & curbing	**37,500**	sf	0.85	31,875		
311000	Remove sand and gravel	**1,159**	cy	25.00	28,975		
311000	Remove flag pole and bollards	**1**	ls	2,500.00	2,500		
311000	Remove concrete walks, ramps, pads and misc items at building perimeter	**1**	ls	20,000.00	20,000		
311000	Remove drainage structures & piping	**2**	ea	3,500.00	7,000		
311000	Remove wells	**2**	ea	10,000.00	20,000		
311000	Remove septic systems	**1**	ls	15,000.00	15,000		
	SUBTOTAL					233,770	
	Earthwork						
312000	Strip topsoil	**625**	cy	15.00	9,375		
312000	Screen & Respread	**625**	cy	25.00	15,625		
312000	Site Cuts to Fills	**5,500**	cy	18.00	99,000		
312000	Remove unsuitable material under building and export	**3,200**	cy	45.00	144,000		
312000	Import structural fill under building	**3,200**	cy	60.00	192,000		
312000	Sloped riprap	**400**	cy	65.00	26,000		
312000	Easrthwork to support geothermal wells	**1,000**	cy	75.00	75,000		
	Structural excavation and backfill						
312000	Import 12" subbase for under slabs	**725**	cy	60.00	43,500		
312000	E&E foundation footing and walls	**1,250**	cy	25.00	31,250		
312000	E&B foundation column footings	**500**	cy	25.00	12,500		
	SUBTOTAL					648,250	
	Paving and curbing						
312000	12" Dense Grade at paving and walks	**2,296**	cy	60.00	137,760		
321216	Asphalt pavement	**62,000**	sf	6.00	372,000		
321216	Patch roads and connections	**1**	ls	7,500.00	7,500		
321613	Granite curbs	**100**	lf	58.00	5,800		
321613	Bitum berm	**1,600**	lf	20.00	32,000		
	SUBTOTAL					555,060	
	Storm						
334000	CB	**9**	ea	6,500.00	58,500		
334000	DMH	**12**	ea	8,500.00	102,000		
334000	YD	**1**	ea	4,500.00	4,500		
334000	OCS	**3**	ea	12,500.00	37,500		
334000	FE	**2**	ea	3,500.00	7,000		
334000	12" HDPE piping	**900**	lf	100.00	90,000		
334000	6" HDPE piping	**500**	lf	50.00	25,000		
334000	MC-4500 Storm water infiltration system (E,B, prep and manifolds)	**104**	ea	2,500.00	260,000		
	SUBTOTAL					584,500	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	Water						
	Onsite water						
331000	8'' DI piping	**410**	lf	150.00	61,500		
331000	4'' DI piping	**200**	lf	95.00	19,000		
331000	4'' DI domestic water	**22**	lf	95.00	2,090		
331000	3,000 gal domestic water tank	**1**	lf	20,000.00	20,000		
331000	Connections, Ts, valves and hydrants	**1**	ls	25,000.00	25,000		
	SUBTOTAL					127,590	
	Offsite well						
331200	Offsite well assembly	**1**	ls	150,000.00	150,000		
331200	Mobilization/Demobilization	**1**	ls		inc above		
331200	Min. 8" Drilling (Overburden)	**30**	ft		inc above		
331200	Install temporary surface casing (Overburden)	**30**	ft		inc above		
331200	Cement Grout between temporary surface casing and 4” Permanent Casing	**30**	ft		inc above		
331200	Drill minimum 4” Borehole and sample	**160**	ft		inc above		
331200	Install 4” PVC threaded and coupled Casing	**150**	ft		inc above		
331200	Install 4” stainless steel, wire-wrapped screen	**10**	ft		inc above		
331200	Development (air lift)	**4**	hrs		inc above		
331200	Pumping Test/Rate Test (48-hr minimum)	**48**	hrs		inc above		
331200	Pitless Adaptor w/ Install & Connect	**1**	ea		inc above		
331200	Submersible Pump & Wiring	**1**	ea		inc above		
331200	Pump Column/Pipe w/ Connections	**150**	lf		inc above		
331200	Wellhead completion w/ cap	**1**	ea		inc above		
331200	In-line flow meter with totalizer	**1**	ea		inc above		
331200	Abandonment of existing Boyd Well(s)	**1**	ls		inc above		
	Piping						
331200	Meeting House crossing	**1**	ls	20,000.00	20,000		
331200	Mobilization/Demobilization	**1**	ls	7,500.00	7,500		
331200	Controls (in building/structure)	**1**	ls	10,000.00	10,000		
331200	Mechanical Components (in building/structure)	**1**	ls	15,000.00	15,000		
331200	Building/Structure (vault or shed)	**1**	ls	50,000.00	50,000		
331200	Electrical	**1**	ls	45,000.00	45,000		
331200	Treatment – Chlorination for potable only	**1**	ls	5,000.00	5,000		
331200	Backup generator – propane	**1**	ls	35,000.00	35,000		
331200	3-inch HDPE pipe & fittings from the well to Complex (800-2,600 lf)	**1,000**	lf	65.00	65,000		
331200	Hydrant	**2**	ea	4,500.00	9,000		
331200	2-inch blow off	**3**	ea	75.00	225		
331200	3-inch gate valve	**3**	ea	75.00	225		
331200	Demo, remove, excavate and backfill trenches	**1,000**	cy	45.00	45,000		
331200	Test pits	**3**	ea	600.00	1,800		
331200	Temp. and Final pavement patch	**2,000**	sf	25.00	50,000		
331200	Landscape restoration	**2,000**	sf	15.00	30,000		
	SUBTOTAL					538,750	
	Sanitary / Septic						
333000	Town hall tie in	**1**	ls	2,500.00	2,500		
333000	6'' PVC sewer	**186**	lf	100.00	18,600		
333000	Oil/Water separator	**1**	ls	10,000.00	10,000		
333000	5,000 gal tight tank	**1**	ls	20,000.00	20,000		
333000	SMH	**2**	ls	6,500.00	13,000		
333000	Septic system - two compartment 2,000 gal tanks, piping, 3 trenches and Nitogen removal	**1**	ls	200,000.00	200,000		
	SUBTOTAL					264,100	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	NEW BUILDING						
	Site Improvements						
323100	30' Sliding entry gate and access key pad				NIC		
323100	40' Sliding entry gate and access key pad				NIC		
323100	Parking signs	**8**	ea	250.00	2,000		
321213	Concrete walks	**400**	sf	15.00	6,000		
321213	Knockdown pad	**1,260**	sf	16.00	20,160		
323100	20x20 blocks walls at storage bins	**750**	sf	65.00	48,750		
323100	Parking space lines, symbols and hatching	**27**	ea	250.00	6,750		
323100	6' wood stockade fence	**470**	lf	95.00	44,650		
05500	Site bollards	**47**	ea	800.00	37,600		
03300	Transformer Pad	**1**	ea	5,000.00	5,000		
03300	Generator Pad	**1**	ea	8,500.00	8,500		
03300	Fire cistern Pad	**1**	ea	20,000.00	20,000		
03300	Tight tank Pad	**1**	ea	18,000.00	18,000		
03300	Dom water tank Pad	**1**	ea	9,000.00	9,000		
312000	E&B Elec/communication duct banks	**340**	lf	55.00	18,700		
03300	Encase duct banks in concrete	**50**	cy	350.00	17,500		
	SUBTOTAL					262,610	
	60' x 50' Salt Shed						
312000	Excavate and backfill	**3,000**	sf	10.00	30,000		
312000	8" crushed stone bedding under1'-6" mat slab	**103**	cy	60.00	6,180		
03300	1'-6" mat slab	**216**	cy	375.00	81,000		
03300	12'-4" ht x 1'-6" thick perimeter walls	**140**	cy	950.00	133,000		
05500	2'-4" structural fill/stone under 8" slab	**259**	cy	60.00	15,540		
03300	8" slab	**79**	cy	375.00	29,625		
03300	PT framing and plywood at interior	**1,800**	sf	15.00	27,000		
13200	Structure - fabric roof structure	**3,000**	sf	95.00	285,000		
260000	Electrical - lighting and power	**3,000**	sf	10.00	30,000		
	SUBTOTAL					637,345	
	Landscaping						
329000	Landscaping allowance	**1**	ls	75,000.00	75,000		
	SUBTOTAL					75,000	
	TOTAL - SITEWORK						***4,009,975***

DESCRIPTION		QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
1. Add 5,000 SF Fleet storage							
GROSS FLOOR AREA CALCULATION							
	Add 5,000 sf			**5,000**			
TOTAL GROSS FLOOR AREA					**5,000**	*gsf*	
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings to walls						
	Formwork	**130**	sf	18.00	2,340		
	Re-bar	**480**	lbs	2.50	1,200		
	Concrete material	**8**	cy	190.00	1,520		
	Placing concrete	**8**	cy	40.00	320		
	Foundation walls						
	Formwork	**780**	sf	18.00	14,040		
	Re-bar	**1,495**	lbs	2.50	3,738		
	Concrete material	**23**	cy	190.00	4,370		
	Placing concrete	**23**	cy	40.00	920		
	Back up knee walls						
	Formwork	**540**	sf	18.00	9,720		
	Re-bar	**455**	lbs	2.50	1,138		
	Concrete material	**7**	cy	190.00	1,330		
	Placing concrete	**7**	cy	40.00	280		
	12x14 Column footings						
	Formwork	**260**	sf	18.00	4,680		
	Re-bar	**2,475**	lbs	2.50	6,188		
	Concrete material	**33**	cy	190.00	6,270		
	Placing concrete	**33**	cy	40.00	1,320		
	Piers						
	Formwork	**32**	sf	18.00	576		
	Re-bar	**75**	lbs	2.50	188		
	Concrete material	**1**	cy	190.00	190		
	Placing concrete	**1**	cy	40.00	40		
	SUBTOTAL					60,368	
A1030	LOWEST FLOOR CONSTRUCTION						
	8" Slab on grade						
	Vapor barrier	**5,000**	sf	2.00	10,000		
	Reinforcing	**5,500**	sf	2.50	13,750		
	Concrete - 8" thick	**132**	cy	190.00	25,080		
	Placing concrete	**132**	cy	45.00	5,940		
	Finishing and curing concrete	**5,000**	sf	1.65	8,250		
	Control joints - saw cut	**5,500**	sf	0.50	2,750		
	R10 - 25 PSI Rigid insulation at 4' horizontal	**260**	sf	5.00	1,300		
	R10 - 60 PSI Rigid insulation at 4' horizontal	**260**	sf	6.00	1,560		
	Dampproofing of foundation walls	**390**	sf	4.00	1,560		
	SUBTOTAL					70,190	
TOTAL - FOUNDATIONS							***$130,558***

DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
1. Add 5,000 SF Fleet storage						
B10 SUPERSTRUCTURE						
B1020 ROOF CONSTRUCTION						
Pre-fabricated Structure (includes steel, insulated metal panels walls and roof) :						
Prefabricated metal building package (galv steel, metal panels, metal roof, gutters, downspouts and snow guards)	**5,000**	sf	110.00	550,000		
Outer cape premium	**1**	ls	55,000.00	55,000		
SUBTOTAL					605,000	
TOTAL - SUPERSTRUCTURE						***$605,000***
B30 ROOFING						
B3010 ROOF COVERINGS						
All roofing, gutters, downspouts and snow guards included with Prefabricated metal building						
SUBTOTAL					-	
B3020 ROOF OPENINGS						
Fall arrest system allowance	**1**	ls	2,500.00	2,500		
SUBTOTAL					2,500	
TOTAL - ROOFING						**$2,500**
D20 PLUMBING						
D20 PLUMBING						
(2) Trench Drains	**34**	lf	158.50	5,389		
Trench Drain Catch Basin	**1**	ea	1,365.00	1,365		
Floor Drains	**1**	ea	654.50	655		
San - 4"	**200**	lf	130.00	26,000		
Vent - 2"	**100**	lf	88.40	8,840		
Water - 2 1/2"	**60**	lf	71.50	4,290		
Insulation	**60**	lf	13.98	839		
Excavation & Backfill	**100**	cy	49.87	4,987		
Project Supervision	**24**	hrs	130.00	3,120		
Coordination	**16**	hrs	130.00	2,080		
Outer cape premium	**1**	ls	5,756.50	5,757		
SUBTOTAL					63,322	
TOTAL - PLUMBING						***$63,322***

DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
1. Add 5,000 SF Fleet storage						
D30 HVAC						
D30 HVAC						
Equipment						
Ceiling Fans	**1**	ea	7,865.00	7,865		
Unit Heaters - UH 7A thru 7F	**6**	ea	3,380.00	20,280		
Exhaust Fan - EF 4A, 4B, & 4C	**3**	ea	4,420.00	13,260		
Sheet Metal						
Galvanized	**300**	lbs	17.35	5,205		
Sheet Metal Specialties	**1**	ls	520.50	521		
Equipment Connections	**1**	ls	14,040.00	14,040		
Piping						
Hot Water	**360**	lf	65.00	23,400		
Hot Water Specialties	**1**	ls	2,340.00	2,340		
Equipment Connections	**1**	ls	2,600.00	2,600		
Insulation						
Sheet Metal	**204**	sf	4.35	887		
Piping	**360**	lf	19.85	7,146		
Controls						
Ceiling Fans	**1**	ea	1,210.00	1,210		
Unit Heaters	**6**	ea	1,210.00	7,260		
BMS Network	**1**	ls	3,540.00	3,540		
Network Integration	**1**	ls	1,770.00	1,770		
Commissioning						
Start Up	**16**	hrs	130.00	2,080		
Testing, Adjusting, & Balancing	**8**	hrs	135.00	1,080		
3rd Party Cx Assist	**8**	hrs	140.00	1,120		
Trade Requirements						
Project Supervision	**16**	hrs	130.00	2,080		
Coordination	**8**	hrs	130.00	1,040		
Rigging	**1**	ls	780.00	780		
Outer cape premium	**1**	ls	11,950.40	11,950		
SUBTOTAL					131,454	
TOTAL - HVAC						***$131,454***
D40 FIRE PROTECTION						
D40 FIRE PROTECTION						
Sprinkler heads	**56**	ea	125.00	7,000		
Branch sprinkler piping with fittings & hangers	**672**	lf	38.00	25,536		
Main sprinkler piping with fittings & hangers	**100**	lf	60.00	6,000		
Hydraulic calculations, coordination and testing	**1**	ls	5,000.00	5,000		
Outer cape premium	**1**	ls	4,353.60	4,354		
SUBTOTAL					47,890	
TOTAL - FIRE PROTECTION						***$47,890***
D50 ELECTRICAL						
D50 ELECTRICAL						
Light Fixtures						
Type LP1 Hi Bay	**15**	ea	425.00	6,375		
Addressable Luminaire Module	**15**	ea	90.00	1,350		
Branch Circuitry						
3/4" Emt, 4#12	**252**	lf	20.00	5,040		
MC Cable	**168**	lf	8.00	1,344		
Plenum Cable	**270**	lf	1.50	405		
OS, VS Power Pack	**3**	ea	200.00	600		
Occupancy Sensor HB clg	**6**	ea	310.00	1,860		
Receptacles GFI WP	**2**	ea	275.00	550		
Manual Snap Switch Starter, 120v	**1**	ea	200.00	200		

DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
1. Add 5,000 SF Fleet storage						
Power Circuitry						
3/4" Emt, 4#10	**450**	lf	15.00	6,750		
Power Equipment						
30 Amp Disconnect	**3**	ea	675.00	2,025		
Install 10HP VFD FBO	**2**	ea	900.00	1,800		
Fire Alarm						
MC/ Teflon Cable	**120**	lf	6.00	720		
Audible/Visual	**2**	ea	330.00	660		
Misc Connections	**1**	ea	240.00	240		
Telecommunications System						
CAT 6A Cable	**600**	lf	1.35	810		
WAP Outlet 2c AN	**2**	ea	60.00	120		
Misc						
Outer cape premium	**1**	ls	3,084.90	3,085		
SUBTOTAL					33,934	
TOTAL - ELECTRICAL						***$33,934***
B SITEWORK						
Deduct paving	**(5,000)**	sf	5.00	(25,000)		
Over excavate foundation footprint and export	**741**	cy	30.00	22,230		
Import structural fill	**185**	cy	60.00	11,100		
Import 12" subbase for under slabs	**185**	cy	60.00	11,100		
Backfill foundation footing and walls	**74**	cy	25.00	1,850		
Backfill foundation column footings	**15**	cy	25.00	375		
SUBTOTAL					21,655	
TOTAL - SITEWORK						***21,655***
SUBTOTAL						***$1,036,313***
GENERAL CONDITIONS & REQUIREMENTS				15%		$155,447
BONDS				1.8%		$18,654
GC - OVERHEAD & PROFIT				5%		$51,816
DESIGN AND PRICING CONTINGENCY				7.5%		$94,667
ESCALATION TO 1ST QUARTER 2026				5%		$67,845
OUTER CAPE PREMIUM						included in trades
TARIFFS COST INCREASE ALLOWANCE				2.5%		$25,908
TOTAL - ALTERNATE 1						***$1,450,650***

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	2. Add 4,050 SF Detached Cold Storage building						
A10	*FOUNDATIONS*						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings to walls						
	Formwork	**400**	sf	18.00	7,200		
	Re-bar	**1,380**	lbs	2.50	3,450		
	Concrete material	**23**	cy	190.00	4,370		
	Placing concrete	**23**	cy	40.00	920		
	Foundation walls						
	Formwork	**3,756**	sf	18.00	67,608		
	Re-bar	**7,150**	lbs	2.50	17,875		
	Concrete material	**110**	cy	190.00	20,900		
	Placing concrete	**110**	cy	40.00	4,400		
	3'-4" Back up knee walls						
	Formwork	**1,332**	sf	18.00	23,976		
	Re-bar	**1,170**	lbs	2.50	2,925		
	Concrete material	**18**	cy	190.00	3,420		
	Placing concrete	**18**	cy	40.00	720		
	F8 Column footings						
	Formwork	**256**	sf	18.00	4,608		
	Re-bar	**1,500**	lbs	2.50	3,750		
	Concrete material	**20**	cy	190.00	3,800		
	Placing concrete	**20**	cy	40.00	800		
	F10 Column footings						
	Formwork	**800**	sf	18.00	14,400		
	Re-bar	**5,850**	lbs	2.50	14,625		
	Concrete material	**78**	cy	190.00	14,820		
	Placing concrete	**78**	cy	40.00	3,120		
	Piers						
	Formwork	**192**	sf	18.00	3,456		
	Re-bar	**300**	lbs	2.50	750		
	Concrete material	**4**	cy	190.00	760		
	Placing concrete	**4**	cy	40.00	160		
	Outer cape premium	**1**	ls	22,281.30	22,281		
	SUBTOTAL					245,094	
A1030	**LOWEST FLOOR CONSTRUCTION**						
	8" Slab on grade						
	Vapor barrier	**4,050**	sf	2.00	8,100		
	Reinforcing	**4,050**	sf	2.50	10,125		
	Concrete - 8" thick	**112**	cy	190.00	21,280		
	Placing concrete	**112**	cy	45.00	5,040		
	Finishing and curing concrete	**4,050**	sf	1.65	6,683		
	Control joints - saw cut	**4,050**	sf	0.50	2,025		
	Outer cape premium	**1**	ls	5,325.30	5,325		
	SUBTOTAL					58,578	
	TOTAL - FOUNDATIONS						***$303,672***

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	2. Add 4,050 SF Detached Cold Storage building						
B10	***SUPERSTRUCTURE***						
B1020	**ROOF CONSTRUCTION**						
	Pre-fabricated Structure (includes steel, metal panels walls and roof) :						
	Prefabricated metal building package (galv steel, metal panels, metal roof, gutters, downspouts and snow guards)	**4,050**	sf	115.00	465,750		
	Outer cape premium	**1**	ls	46,575.00	46,575		
	SUBTOTAL					512,325	
	TOTAL - SUPERSTRUCTURE						***$512,325***
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**						
	CMU						
	CMU veneer	**950**	sf	55.00	52,250		
	Air barrier	**950**	sf	10.00	9,500		
	Outer cape premium	**1**	ls	5,225.00	5,225		
	SUBTOTAL					66,975	
B2020	**WINDOWS**						
	Storefront and windows						
	Translucent windows	**500**	sf	145.00	72,500		
	Backer rod & double sealant	**230**	lf	12.00	2,760		
	Wood blocking at openings	**230**	lf	10.00	2,300		
	Waterproofing - overall added cost for FSB pricing	**4,050**	sf	3.50	14,175		
	SUBTOTAL					91,735	
B2030	**EXTERIOR DOORS**						
	Overhead doors						
	22x16 OHD	**5**	ea	38,000.00	190,000		
	Man Doors						
	HM doors with half light/HM frame 3x7 HM	**1**	ea	2,500.00	2,500		
	Hardware	**1**	lvs	1,500.00	1,500		
	Misc						
	Paint	**1**	ea	200.00	200		
	Backer rod & double sealant	**30**	lf	12.00	360		
	Wood blocking at openings	**30**	lf	10.00	300		
	SUBTOTAL					194,860	
	TOTAL - EXTERIOR CLOSURE						***$353,570***
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	All roofing, gutters, downspouts and snow guards included with Prefabricated metal building						
	SUBTOTAL					-	
B3020	**ROOF OPENINGS**						
	Fall arrest system allowance	**1**	ls	2,500.00	2,500		
	SUBTOTAL					2,500	
	TOTAL - ROOFING						***$2,500***
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Floor drains allowance	**4,050**	sf	5.00	20,250		
	SUBTOTAL					20,250	
	TOTAL - PLUMBING						***$20,250***

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
2. Add 4,050 SF Detached Cold Storage building							
D30	*HVAC*						
D30	**HVAC**						
	Ventilation allowance	**4,050**	sf	5.00	20,250		
	SUBTOTAL					20,250	
	TOTAL - HVAC						***$20,250***
D40	*FIRE PROTECTION*						
D40	**FIRE PROTECTION**						
	N/A						
	SUBTOTAL					-	
	TOTAL - FIRE PROTECTION						***$0***
D50	*ELECTRICAL*						
D50	**ELECTRICAL**						
	Light Fixtures						
	Type LSV8	**20**	ea	575.00	11,500		
	Exit	**1**	ea	400.00	400		
	Addressable Luminaire Module	**20**	ea	90.00	1,800		
	Emergency Battery Ballast	**3**	ea	150.00	450		
	Branch Circuitry						
	3/4" Emt, 4#12	**446**	lf	20.00	8,920		
	MC Cable	**298**	lf	8.00	2,384		
	Plenum Cable	**280**	lf	1.50	420		
	OS, VS Power Pack	**2**	ea	200.00	400		
	Lighting Wall Station L	**1**	ea	245.00	245		
	Occupancy Sensor clg	**3**	ea	265.00	795		
	Receptacles GFI WP	**8**	ea	275.00	2,200		
	Power Circuitry						
	3/4" Emt, 4#12	**800**	lf	13.00	10,400		
	3/4" Emt, 4#10	**750**	lf	15.00	11,250		
	1" Emt, 4#6	**10**	lf	24.00	240		
	1 1/4" Emt, 4#2	**10**	lf	38.00	380		
	2" Pvc, 4 3/0 UG	**180**	lf	55.00	9,900		
	Power Equipment						
	225 Amp Panel Board	**2**	ea	6,000.00	12,000		
	SPD @ Panel	**1**	ea	1,000.00	1,000		
	30 Kva Transformer	**1**	ea	7,000.00	7,000		
	Install OH Door CP FBO	**5**	ea	350.00	1,750		
	Photo Eye Micro Sw MS (Door, FBO)	**25**	ea	95.00	2,375		
	OH Door Pushbutton Controller	**5**	ea	340.00	1,700		
	OH Door Traffic Light	**5**	ea	275.00	1,375		
	30 Amp Disconnect OH Door	**5**	ea	660.00	3,300		
	Fire Alarm						
	MC/ Teflon Cable	**200**	lf	6.00	1,200		
	Audible/Visual	**2**	ea	325.00	650		
	Smoke Detector	**2**	ea	350.00	700		
	Misc						
	Temp Power and Lighting	**1**	ls	3,500.00	3,500		
	SUBTOTAL					98,234	
	TOTAL - ELECTRICAL						***$98,234***

DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
2. Add 4,050 SF Detached Cold Storage building						
B SITEWORK						
Remove wells	**3**	ea	10,000.00	30,000		
Over excavate foundation footprint and export	**600**	cy	30.00	18,000		
Import structural fill	**150**	cy	60.00	9,000		
Import 12" subbase for under slabs	**150**	cy	60.00	9,000		
Backfill foundation footing and walls	**278**	cy	25.00	6,950		
Backfill foundation column footings	**45**	cy	25.00	1,125		
SUBTOTAL					74,075	
TOTAL - SITEWORK						***74,075***
SUBTOTAL						***$1,384,876***
	GENERAL CONDITIONS & REQUIREMENTS			15%		$207,731
	BONDS			1.8%		$24,928
	GC - OVERHEAD & PROFIT			5%		$69,244
	DESIGN AND PRICING CONTINGENCY			7.5%		$126,508
	ESCALATION TO 1ST QUARTER 2026			5%		$90,664
	OUTER CAPE PREMIUM					included in trades
	TARIFF PREMIUM			2.5%		$34,622
TOTAL - ALTERNATE 2						***$1,938,573***