

February 6, 2019

Concept Design Estimate



Architect:

Bargmann Hendrie Archetype Inc 9 Channel Center Street, Suite 300 Boston, MA 02210 (617) 350 0450

Cost Consultant:

Daedalus Projects Incorporated 1 Faneuil Hall Market Place South Market Bldg, Suite 4195 Boston, MA 02109-6119 (617) 451 2717



INTRODUCTION

Project Description:

The project consists of a new senior center building in Norton, MA concrete foundations and slab on grade, combined wood & steel framed structure fiber cement exterior facade siding, aluminum windows, asphalt shingles pitch roofing interior program fitout and MEP systems site preparation, bulk earthwork, site utilities, exterior site improvements

Project Particulars:

Documents prepared by Bargmann Hendrie + Archetype, Inc. received January 4, 2019

Floor Plan Option A drawing

Norton Senior Center Elevations

Senior Center Program matrix

Site Narrative - Norton Senior Center prepared by Pace

47 Elm street Site Plan

Detailed quantity takeoff from these documents where possible

Daedalus Projects, Inc. experience with similar projects of this nature

Design intent and scope review discussions with Bargmann Hendrie + Archetype, Inc.

Project Assumptions:

The project will be by a General Contractor under a Lump Sum Contract in a single construction phase Our costs assume that there will be competitive bidding in all trades and sub-trades i.e. at least four (4) bids per trade or sub-trade

Unit rates are based on current dollars escalated to mid-point of construction

Subcontractor's markups are included in each unit rate. These markups cover field and home office overhead and subcontractor's profit

Operation during normal business hours

No occupancy of Project zone during construction

Lay-down/storage area, jobsite shed and trailers, and construction site entrance will be located adjacent to Project area

Temporary electrical and water site utility connections will be available. General Conditions value includes utility connections and consumption costs

Noise and vibration disturbances are anticipated and will be minimized or avoided during normal business hours Design and Pricing Contingency markup is an allowance for unforeseen design issues, design detail development and specification clarifications during the design period

General Conditions includes supervision, general facilities to support Project, and site office overheads that are not attributable to the direct trade costs

Project Requirements value includes scaffolding, staging and access, temporary protection, and cleaning

Fee markup is calculated on a percentage basis of direct trade construction costs

Anticipated start of construction is January 1, 2021

An escalation projection has been included from now to the anticipated start of construction and is carried at a rate of 4% per year. Escalation during construction duration has been included in the unit rate details



Construction Cost Estimate Exclusions:

Unforeseen Conditions Contingency

Utility company back charges during construction

Owner's site representation and project administration

Owner's administration; legal fees, advertising, permitting, Owner's insurance, administration, interest expense

Architectural/Engineering; Designer and other Professional fees, testing, printing, surveying.

Project costs; utility company back charges prior to construction, construction of swing space and temporary program facilities, program related phasing, relocation

Site or existing condition surveys and investigations

Work beyond the boundary of the Project

Third Party testing and commissioning

Owner furnished and installed products; furnishings, equipment, artwork, loose case goods, and similar items



MAIN SUMMARY

Norton Senior Center New Construction Norton, MA 10,825 GSF

		COST	COST/GSF
		\$909,014	\$3.99
10,825 GSF		\$3,342,091	\$308.74
		\$4,251,105	\$392.71
10.00%		\$425 200	\$39.28
10.0070		Ψ120,200	ψ00.20
		\$4,676,305	\$431.99
9 MTHS	\$60,000	\$540,000	\$49.88
1.10%	\$4,676,305	\$51,400	\$4.75
1.20%	\$5,267,705	\$63,200	\$5.84
2.50%	\$5,330,905	\$133,300	\$12.31
		\$5,464,205	\$504.78
7.70%	\$5,464,205	\$420,700	\$38.86
		\$5,884,905	\$543.64
	1.10% 1.20% 2.50%	10.00% 9 MTHS \$60,000 1.10% \$4,676,305 1.20% \$5,267,705 2.50% \$5,330,905	\$3,342,091 \$4,251,105 10.00% \$425,200 \$4,676,305 9 MTHS \$60,000 \$540,000 \$51,400 \$51,400 \$63,200 \$1.20% \$5,330,905 \$5,464,205



10,825 GSF

DIRECT TRADE COST SUMMARY

DESCRIPTION	COST	COST/GSF
02-EXISTING CONDITIONS	\$5,000	\$0.46
03-CONCRETE	\$275,220	\$25.42
04-MASONRY	\$53,379	\$4.93
05-METALS	\$129,491	\$11.96
06-WOOD, PLASTICS AND COMPOSITES	\$593,959	\$54.87
07-THERMAL AND MOISTURE PROTECTION	\$490,508	\$45.31
08-OPENINGS	\$281,170	\$25.97
09-FINISHES	\$367,899	\$33.99
10-SPECIALTIES	\$90,835	\$8.39
11- EQUIPMENT	\$79,800	\$7.37
12-FURNISHINGS	\$13,963	\$1.29
21-FIRE SUPPRESSION	\$77,399	\$7.15
22-PLUMBING	\$198,495	\$18.34
23-HVAC	\$411,350	\$38.00
26-ELECTRICAL	\$273,623	\$25.28
31-EARTHWORK	\$239,162	\$22.09
32-EXTERIOR IMPROVEMENTS	\$254,147	\$23.48
33-UTILITIES	\$415,705	\$38.40
Direct Trade Cost Total	\$4,251,105	\$392.71



					10,025 GSF
	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
		_			
9	02-EXISTING CONDITIONS				
10					
11	Asbestos Abatement				
12	Hazardous abatement at existing building				By Town
13	Demolition of former factory site				By Town
14	Miscellaneous demolition and disposal	1	AL	\$5,000.00	\$5,000
15	02-EXISTING CONDITIONS TOTAL				\$5,000
16					
17					
18	03-CONCRETE				
19					
20	Strip footing; Assume CF3.0'x12"	503	LF		
21	Concrete; material	59	CY	\$130.00	\$7,670
22	Concrete; place	59	CY	\$85.00	\$5,015
23	Reinforcement	2,582	LBS	\$1.25	\$3,228
24	Formwork	1,257	SF	\$9.00	\$11,309
25	Keyways	503	LF	\$2.50	\$1,257
26	Isolated footing; Assume F6x6x1'-6"	42	EA		
27	Concrete; material	88	CY	\$130.00	\$11,466
28	Concrete; place	88	CY	\$85.00	\$7,497
29	Reinforcement	7,497	LBS	\$1.25	\$9,371
30	Formwork	1,512	SF	\$10.00	\$15,120
31	Foundation wall, Assume 16" thick	1,708	SF		
32	Concrete; material	88	CY	\$130.00	\$11,440
33	Concrete; place	88	CY	\$85.00	\$7,480
34	Reinforcement;	11,000	LBS	\$1.25	\$13,750
35	Formwork	3,416	SF	\$12.00	\$40,992
36	Masonry shelf	458	LF	\$7.00	\$3,206
37	Pier/pilaster; assume 16"x16"	42	EA		
38	Concrete	10	CY	\$130.00	\$1,300
39	Rebar	2,000	LBS	\$1.25	\$2,500
40	Formwork	2,346	SF	\$12.00	\$28,153
41	Place and finish	10	CY	\$85.00	\$850
42	Slab on grade; 5" thick	10,825	SF		
43	Concrete; material	185	CY	\$130.00	\$24,050
44	Concrete; place & finish	10,825	SF	\$2.50	\$27,063
45	Moisture mitigation	185	CY	\$65.00	\$12,025
46	WWF 4x4	12,449	SF	\$0.75	\$9,337
47	10 Mil vapor barrier	12,449	SF	\$0.75	\$9,337
48	Rigid insulation under slab on grade - 4 feet around the perimeter	1,952	SF	\$2.50	\$4,880
49	Slab isolation joints	941	LF	\$5.50	\$5,177
50	Slab on grade at canopy connect; 5" thick	325	SF		



					10,825 GSF
	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
51	Concrete; material	6	CY	\$130.00	\$780
52	Concrete; place & finish	325	SF	\$2.50	\$813
53	Slab isolation joints	28	LF	\$5.50	\$155
54	03-CONCRETE TOTAL			-	\$275,220
55					
56					
57	04-MASONRY				
58					
59	Unit Masonry				
60	Arch. concrete block stone masonry blocks water base	1,130	SF	\$28.50	\$32,205
61	Architectural brick pier base at exterior column	2	EA	\$800.00	\$1,600
62	6" CMU backup at MEP room	441	SF	\$20.00	\$8,820
63	10" CMU wall at Pantry	396	SF	\$24.00	\$9,504
64	Masonry lintels - installation	1	EA	\$1,250.00	\$1,250
65	04-MASONRY TOTAL			-	\$53,379
66					•
67					
68	05-METALS				
69		1			
70	Structural Steel Framing				
71	Steel Decking				
72	WF roof framing at Multipurpose Room only; Assume 10#/GSF	8	TNS	\$3,900.00	\$31,200
73	HSS-shape columns; Assume 4#/SF	3	TNS	\$4,350.00	\$13,920
74	Galvanized composite steel roof deck at Multipurpose Room	1,600	SF	\$3.75	\$6,000
75	Canopy, Connect for Senior Center and Townhall	325	GSF	\$120.00	\$39,000
76	05 50 00* Miscellaneous and Ornamental Iron				
77	Metal Fabrications				
78	Steel support for operable partitions	42	LF	\$150.00	\$6,300
79	Lintel for masonry construction - material	1	EA	\$250.00	\$250
80	Miscellaneous interior metals	10,825	GSF	\$2.50	\$27,063
81	Miscellaneous metals for new exterior masonry	441	SF	\$3.50	\$1,544
82	Miscellaneous metals for exterior remainder	4,215	SF	\$1.00	\$4,215
83	05-METALS TOTAL			-	\$129,491
84					
85					
86	06-WOOD, PLASTICS AND COMPOSITES				
87					
88	Rough Carpentry				
89	Exterior wall framing; 2x6 wood stud, 5/8" plywood sheathing	4,215	SF	\$9.50	\$40,043
90	Wood header at wood exterior wall	237	LF	\$14.00	\$3,318
91	Prefabricated wood trusses @ 2'-0" O.C. at roof	15,545	GSF	\$19.50	\$303,128
92	Rough carpentry, roof parapet blocking	574	LF	\$15.00	\$8,610



					10,825 GSF
	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
93	5/8" Plywood pitch roof sheathing, rough carpentry, blocking	15,545	SF	\$5.00	\$77,725
94	Wood/steel misc. connections	10,825	GSF	\$1.00	\$10,825
95	Install doors and frames	28	OPEN	\$175.00	\$4,900
96	Rough carpentry/blocking; interior partitions and ceilings	15,051	SF	\$1.50	\$22,577
97	Exterior Finish Carpentry				
98	Decorative column enclosure	2	EA	\$1,800.00	\$3,600
99	Interior Architectural Woodwork				
100	Custom wood cabinets with plastic laminate countertop at Reception	12	LF	\$520.00	\$6,240
101	Vanity counter @ Gangs Restroom	10	LF	\$240.00	\$2,400
102	Corian counter	3	LF	\$240.00	\$720
103	Plastic laminate cabinets and solid countertop at offices	26	LF	\$410.00	\$10,660
104	Built in countertop at café	13	LF	\$240.00	\$3,120
105	Gas fireplace at @ Café	1	EA	\$15,000.00	\$15,000
106	Closets shelf and rod at Storage	5	Room	\$800.00	\$4,000
107	Base and wall cabinet, countertop at Kitchen	34	LF	\$550.00	\$18,700
108	Service counters at Kitchen	9	LF	\$1,080.00	\$9,720
109	Wood base at corridor and lobby	465	LF	\$10.00	\$4,650
110	Wood chair rail at corridor	310	LF	\$35.00	\$10,850
111	Window sill	191	LF	\$32.00	\$6,112
112	Miscellaneous standing and running trim	10,825	GSF	\$2.50	\$27,063
113	06-WOOD, PLASTICS AND COMPOSITES TOTAL				\$593,959
114					
115					
116	07-THERMAL AND MOISTURE PROTECTION				
117					
118	07 00 01* Waterproofing Dampproofing and Caulking				
119	Fluid applied air/vapor barrier @ exterior wall - change to zip system	4,215	SF	\$7.20	\$30,348
120	Caulking and sealants	10,825	GSF	\$2.50	\$27,063
121	07 00 02* Roofing and Flashing				
122	Asphalt shingle roofing assembly	17,145	SF	\$12.50	\$214,313
123	Ice and water shield @ roof	5,658	SF	\$1.50	\$8,487
124	Vented ridge cap	313	LF	\$32.00	\$10,016
125	Roof valley flashing	510	LF	\$16.00	\$8,160
126	New thru wall flashing	574	LF	\$17.00	\$9,758
127	Pad-type, flat-mounted snow guards at entrance	46	LF	\$50.00	\$2,300
128	Roof hatch and curb; allow	1	EA	\$3,500.00	\$3,500
129	Aluminum gutter	330	LF	\$32.00	\$10,560
130	Aluminum downspouts	1	AL	\$6,600.00	\$6,600
131	Misc. roof accessories	1	LS	\$3,500.00	\$3,500
132	07 21 00 Thermal Insulation				
133	2" Rigid insulation at foundation wall	1,708	SF	\$2.50	\$4,270
134	Rigid insulation at exterior wall	4,215	SF	\$2.50	\$10,538



Direct Trade Cost Details

Fiber cement siding, board and batten 1,630						10,825 GSF
138 Fiber cement siding, board and batten 1,630 SF \$15.00 \$24,450 137 Fiber cement clapboard siding 2,155 SF \$15.00 \$33,403 38 Fiber cement smooth fascia 3,654 SF \$18.00 \$65,772 140 Fiber cement smooth fascia 3,654 SF \$18.00 \$65,772 140 Fiber cement smooth fascia 10,825 GSF \$18.00 \$65,772 140 Fiber cement smooth fascia 10,825 GSF \$18.00 \$65,772 140 Fiber cement smooth fascia \$60,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,500		ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
136 Fiber cement siding, board and batten 1,630 SF \$15.00 \$24,450 137 Fiber cement clapboard siding 2,155 SF \$15.00 \$33,403 38 Fiber cement smooth fascia 3,654 SF \$18.00 \$65,772 140 Fiber cement smooth fascia 3,654 SF \$18.00 \$65,772 140 Fiber cement smooth fascia 10,825 GSF \$18.00 \$65,772 140 Fiber cement smooth fascia 10,825 GSF \$18.00 \$65,772 140 Fiber cement smooth fascia 10,825 GSF \$1.00 \$56,133 141 Fiber cement smooth fascia \$1,900 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.500 <						
Fiber cement clapboard siding 2,155 SF \$15.00 \$33,403 \$15.00 \$12.000 \$15.00 \$		~				
138 Fiber cement smooth framboard 3.654 SF \$18.00 \$15,00 139 Fiber cement smooth fascia 3.654 SF \$18.00 \$65,772 140 Firestopping: based on floor area 10,825 GSF \$0.00 \$55,413 141 THERMAL AND MOISTURE PROTECTION TOTAL 3490,508 142 SF \$1.00 \$490,508 143 BUPS INTROS \$1.00 \$1.00 145 SF \$1.500.00 \$1.500 146 BUF; Interior window framing 260 SF \$75.00 \$19,500 149 Exterior door \$1 LS \$1,500.00 \$12,000 150 HM door and frame, 3"0"x8"-0", hardware 8 LEAF \$1,500.00 \$35,000 151 Aluminum commercial double door 6"0"x8"-0" 1 PR \$1,500.00 \$35,000 152 Overhead Door Rolling at pantry area 8" X 12" 1 EA \$350.00 \$8,500 153 Interior solid core wood door 4 PR \$700.00 <td>136</td> <td>_</td> <td>•</td> <td></td> <td>•</td> <td></td>	136	_	•		•	
Fiber cement smooth fascia 3,654 SF \$18.00 \$65,772	137		•		•	
140 Firestopping; based on floor area 10,825 GSF \$0.50 \$5,413 141 07-THERMAL AND MOISTURE PROTECTION TOTAL \$490,508 142 143 144 08-OPENINGS	138				•	
141 07-THERMAL AND MOISTURE PROTECTION TOTAL	139					
142	140	• • •	10,825	GSF	\$0.50	
144 145 146 145	141	07-THERMAL AND MOISTURE PROTECTION TOTAL				\$490,508
145 146 147 148	142					
145 146 08 00 01* Glass and Glazing 1 LS \$1,500.00 \$1,500 147 Door glazing 1 LS \$1,500.00 \$19,500 148 BLF; Interior window framing 260 SF \$75.00 \$19,500 149 Exterior door 1 PR \$7,500.00 \$7,500 151 Alluminum commercial double door 6'-0'x8'-0" 1 PR \$7,500.00 \$7,500 152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$7,500 153 Interior door 29 LEAF \$0.00 Inc. w/ cooler 154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 24 LEAF \$350.00 \$8,400 157 double door 24 LEAF \$350.00 \$5,760 158 Boor Frames 24 EA \$240.00 \$5,760 159 HMF, single 24 EA	143					
146 08 00 01* Glass and Glazing 147 Door glazing 1 LS \$1,500.00 \$1,500.00 148 BLF; Interior window framing 260 SF \$75.00 \$1,500.00 150 HM door and frame, 3'-0"x8'-0", hardware 8 LEAF \$1,500.00 \$12,000 151 Aluminum commercial double door 6'-0"x8'-0" 1 PR \$7,500.00 \$7,500 152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$8,500 153 Interior door 29 LEAF \$0.00 Inc. w/ cooler 153 Interior solid core wood door 24 LEAF \$0.00 \$8,500 155 Interior solid core wood door 24 LEAF \$350.00 \$8,400 157 double door 24 LEAF \$350.00 \$8,400 157 double door 24 EA \$240.00 \$5,760 158 HMF, single 24 EA \$240.00 \$5,760 160 HMF	144	08-OPENINGS				
147 Door glazing 1 LS \$1,500.00 \$1,500.01 148 BLF; Interior window framing 260 SF \$75.00 \$19,500 149 Exterior door SEXterior door \$1,500.00 \$12,000 150 HM door and frame, 3'-0"x8'-0", hardware 8 LEAF \$1,500.00 \$7,500 151 Aluminum commercial double door 6'-0"x8'-0" 1 PR \$7,500.00 \$7,500 152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$8,500 153 Interior alor 29 LEAF \$0.00 Inc. w/ cooler 154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 24 LEAF \$350.00 \$8,400 157 double door 24 LEAF \$350.00 \$8,400 157 double door 4 PR \$700.00 \$5,760 158 HMF, single 24 EA \$300.00 \$1,560 <td>145</td> <td></td> <td></td> <td></td> <td></td> <td></td>	145					
148 BLF; Interior window framing 260 SF \$75.00 \$19,500 149 Exterior door 150 HM door and frame, 3'-0"x8'-0", hardware 8 LEAF \$1,500.00 \$12,000 151 Aluminum commercial double door 6'-0"x8'-0" 1 PR \$7,500.00 \$7,500 152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$8,500 153 Interior door 29 LEAF \$0.00 Inc. w/ cooler 154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 24 LEAF \$350.00 \$8,400 157 double door 24 LEAF \$350.00 \$8,400 157 double door 24 EA \$240.00 \$5,760 158 Door Frames 24 EA \$240.00 \$5,760 160 HMF, single 24 EA \$240.00 \$5,760 161 Access doors at MEP installation	146	08 00 01* Glass and Glazing				
149 Exterior door 150 HM door and frame, 3'-0"x8'-0", hardware 8 LEAF \$1,500.00 \$12,000 151 Aluminum commercial double door 6'-0"x8'-0" 1 PR \$7,500.00 \$7,500 152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$8,500 153 Interior door 29 LEAF \$0.00 Inc. w/ cooler 154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 24 LEAF \$350.00 \$8,400 157 double door 24 LEAF \$350.00 \$8,400 158 Door Frames 24 EA \$300.00 \$2,800 158 Door Frames 24 EA \$240.00 \$5,760 160 HMF, single 24 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitch	147	Door glazing	1	LS	\$1,500.00	\$1,500
150 HM door and frame, 3'-0"x8'-0", hardware 8 LEAF \$1,500.00 \$12,000 151 Aluminum commercial double door 6'-0"x8'-0" 1 PR \$7,500.00 \$75,00 152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$8,500.00 153 Interior door 29 LEAF \$0.00 Inc. w/ cooler 154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 24 LEAF \$350.00 \$8,400 157 Interior solid core wood door 4 PR \$700.00 \$2,800 157 Interior solid core wood door 4 PR \$700.00 \$2,800 158 Door Frames 24 LEAF \$350.00 \$5,760 158 HMF, single 24 EA \$390.00 \$1,560 160 HMF, double 4 EA \$300.00 \$2,400 161 Access doors at MEP installation 8 EA	148	BLF; Interior window framing	260	SF	\$75.00	\$19,500
151 Aluminum commercial double door 6'-0''x8'-0" 1 PR \$7,500.00 \$7,500 152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$8,500 153 Interior door 29 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 1 LEAF \$50.00 \$8,400 156 Single door 4 PR \$700.00 \$2,800 157 double door 4 PR \$700.00 \$2,800 157 HMF, single 24 EA \$240.00 \$5,760 160 HMF, single 24 EA \$240.00 \$5,760 161 Access doors at MEP installation 8 EA \$300.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 163 Aluminum Westibule double doors 1 PR	149	Exterior door				
152 Overhead Door Rolling at pantry area 8' X 12' 1 EA \$8,500.00 \$8,500.01 153 Interior door 29 LEAF \$0.00 Inc. w/ cooler 154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 24 LEAF \$350.00 \$8,400 157 double door 24 PR \$700.00 \$2,800 158 Door Frames 1 EA \$240.00 \$5,760 160 HMF, single 24 EA \$240.00 \$5,760 160 HMF, double 4 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 163 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 164 Aluminum windows, single hung operation, insulating glass 1 PR <td>150</td> <td>HM door and frame, 3'-0"x8'-0", hardware</td> <td>8</td> <td>LEAF</td> <td>\$1,500.00</td> <td>\$12,000</td>	150	HM door and frame, 3'-0"x8'-0", hardware	8	LEAF	\$1,500.00	\$12,000
153 Interior door 29 LEAF 154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 34 LEAF \$350.00 \$8,400 157 double door 4 PR \$700.00 \$2,800 158 Door Frames 8 EA \$240.00 \$5,760 160 HMF, single 24 EA \$240.00 \$5,760 161 Access doors at MEP installation 8 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 165 Aluminum windows, single hung operation, insulating glass 1 PR \$90.00	151	Aluminum commercial double door 6'-0"x8'-0"	1	PR	\$7,500.00	\$7,500
154 Cooler; single 1 LEAF \$0.00 Inc. w/ cooler 155 Interior solid core wood door 156 single door 24 LEAF \$350.00 \$8,400 157 double door 4 PR \$700.00 \$2,800 158 Door Frames 24 EA \$240.00 \$5,760 160 HMF, single 24 EA \$390.00 \$1,560 160 HMF, double 4 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Windows, single hung operation, insulating glass 1 PR \$7,000.00 \$125,550 168 </td <td>152</td> <td>Overhead Door Rolling at pantry area 8' X 12'</td> <td>1</td> <td>EA</td> <td>\$8,500.00</td> <td>\$8,500</td>	152	Overhead Door Rolling at pantry area 8' X 12'	1	EA	\$8,500.00	\$8,500
Interior solid core wood door 156 single door 24 LEAF \$350.00 \$8,400 157 double door 4 PR \$700.00 \$2,800 158 Door Frames 24 EA \$240.00 \$5,760 160 HMF, single 24 EA \$390.00 \$1,560 160 HMF, double 4 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1 PR \$90.00 \$125,550 168 <td>153</td> <td>Interior door</td> <td>29</td> <td>LEAF</td> <td></td> <td></td>	153	Interior door	29	LEAF		
156 single door 24 LEAF \$350.00 \$8,400 157 double door 4 PR \$700.00 \$2,800 158 Door Frames 24 EA \$240.00 \$5,760 160 HMF, single 24 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1 PR \$7,000.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$15.00 \$39,100 169 <t< td=""><td>154</td><td>Cooler; single</td><td>1</td><td>LEAF</td><td>\$0.00</td><td>Inc. w/ cooler</td></t<>	154	Cooler; single	1	LEAF	\$0.00	Inc. w/ cooler
157 double door 4 PR \$700.00 \$2,800 158 Door Frames 24 EA \$240.00 \$5,760 159 HMF, single 24 EA \$390.00 \$1,560 160 HMF, double 4 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1 PR \$7,000.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169	155	Interior solid core wood door				
158 Door Frames 159 HMF, single 24 EA \$240.00 \$5,760 160 HMF, double 4 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule dooled doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1,395 SF \$90.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 1 Door hardware, heavy duty mortise locksets 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500	156	single door	24	LEAF	\$350.00	\$8,400
159 HMF, single 24 EA \$240.00 \$5,760 160 HMF, double 4 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1 PR \$7,000.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$15.00 \$39,100 169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 17	157	double door	4	PR	\$700.00	\$2,800
160 HMF, double 4 EA \$390.00 \$1,560 161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1 PR \$7,000.00 \$1,25,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$90.00 \$39,100 169 Door Hardware 1 SET \$2,500.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500	158	Door Frames				
161 Access doors at MEP installation 8 EA \$300.00 \$2,400 162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames	159	HMF, single	24	EA	\$240.00	\$5,760
162 Overhead Door Rolling at kitchen serving area 8' x 12' 1 EA \$5,000.00 \$5,000 163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 5F \$90.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 170 Door hardware, heavy duty mortise locksets 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 173 Mechanical louver 1 LS \$1,500.00 \$1,500	160	HMF, double	4	EA	\$390.00	\$1,560
163 Overhead Door Rolling Counter wood door at Reception desk 1 EA \$5,000.00 \$5,000 164 Entrance Doors in Existing Frames 1 PR \$7,000.00 \$7,000 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1 1,395 SF \$90.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500	161	Access doors at MEP installation	8	EA	\$300.00	\$2,400
164 Entrance Doors in Existing Frames 165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 1,395 SF \$90.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500 173 Mechanical louver 1 LS \$1,500.00 \$1,500	162	Overhead Door Rolling at kitchen serving area 8' x 12'	1	EA	\$5,000.00	\$5,000
165 Aluminum Vestibule double doors 1 PR \$7,000.00 \$7,000 166 Aluminum windows, single hung operation, insulating glass 167 Single hung window; 7' 3" x 3' 0" 1,395 SF \$90.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500 173 Mechanical louver 1 LS \$1,500.00 \$1,500	163	Overhead Door Rolling Counter wood door at Reception desk	1	EA	\$5,000.00	\$5,000
166 Aluminum windows, single hung operation, insulating glass 167 Single hung window; 7' 3" x 3' 0" 1,395 SF \$90.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500	164	Entrance Doors in Existing Frames				
167 Single hung window; 7' 3" x 3' 0" 1,395 SF \$90.00 \$125,550 168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500 173 Mechanical louver 1 LS \$1,500.00 \$1,500	165	Aluminum Vestibule double doors	1	PR	\$7,000.00	\$7,000
168 Interior glass storefront at Wellness Center & cafe 10' 4" high assumed 340 SF \$115.00 \$39,100 169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500	166	Aluminum windows, single hung operation, insulating glass				
169 Door Hardware 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500	167	Single hung window; 7' 3" x 3' 0"	1,395	SF	\$90.00	\$125,550
170 Door hardware, heavy duty mortise locksets 32 OPEN \$800.00 \$25,600 171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500 173 Mechanical louver 1 LS \$1,500.00 \$1,500	168	Interior glass storefront at Wellness Center & cafe 10' 4" high assumed	340	SF	\$115.00	\$39,100
171 Automatic door operator 1 SET \$2,500.00 \$2,500 172 Louvers and Vents 1 LS \$1,500.00 \$1,500 173 Mechanical louver 1 LS \$1,500.00 \$1,500	169	•				
172 Louvers and Vents 173 Mechanical louver 1 LS \$1,500.00 \$1,500	170	Door hardware, heavy duty mortise locksets	32	OPEN	\$800.00	\$25,600
172 Louvers and Vents 173 Mechanical louver 1 LS \$1,500.00 \$1,500	171	Automatic door operator	1	SET	\$2,500.00	\$2,500
 i i	172	Louvers and Vents				
	173	Mechanical louver	1	LS	\$1,500.00	\$1,500
	174	08-OPENINGS TOTAL				\$281,170



Direct Trade Cost Details

	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
177	09-FINISHES				
178					
179	09 00 01* Tiling				
180	Tile 1: Ceramic mosaic 12"x24" floor tile in bathrooms	580	SF	\$21.50	\$12,470
181	Tile 2: Ceramic 12"x24" wall tile in bathrooms w/metal trim at exposed e		SF	\$23.50	\$21,432
182	Tile 3: Quarry floor tile at kitchen, pantry, receiving	545	SF	\$24.00	\$13,080
183	Quarry tile wall base	150	LF	\$14.00	\$2,100
184	09 00 02* Acoustical Panel Ceilings				
185	Acoustical tile ceiling; 2'x2'	6,380	SF	\$5.50	\$35,090
186	ACT at kitchen	545	SF	\$6.00	\$3,270
187	09 00 03* Resilient Flooring				
188	Resilient flooring; Marmoleum Sheet Corridors & program	6,148	SF	\$7.00	\$43,036
189	LVT at Café	474	SF	\$8.00	\$3,792
190	Wall base	1,541	LF	\$3.50	\$5,394
191	09 00 04* Carpet Flooring				
192	Carpet at offices	112	SY	\$45.00	\$5,040
193	09 00 04* Painting and Coating				
194	Interior				
195	Sealed concrete floor assume @ Mechanical & pantry area	1,130	SF	\$1.50	\$1,695
196	GWB walls	18,996	SF	\$1.10	\$20,895
197	GWB ceiling / soffits	7,898	SF	\$1.50	\$11,847
198	CMU wall	1,674	SF	\$1.50	\$2,511
199	Exposed ceiling and trusses@ lobby and cafe, paint	1,245	SF	\$3.00	\$3,735
200	Exposed ceiling @ Sprinkler and Mechanical	1,130	SF	\$1.25	\$1,413
201	Door frame	32	OPEN	\$50.00	\$1,600
202	Exterior				
203	Misc. painting	10,825	SF	\$1.50	\$16,238
204	Gypsum Board Assemblies				
205	Exterior wall, drywall interior layer	4,215	SF	\$2.75	\$11,591
206	Interior partitions; abuse resistant	8,842	SF		
207	GWB partitions 35/8" metal stud, (2) 5/8" GWB, 31/2" batt insulation	8,547	SF	\$10.00	\$85,470
208	Chase walls; 35/s" metal stud, (1) 5/s" GWB	295	SF	\$6.50	\$1,918
209	column enclosure	3	EA	\$600.00	\$1,800
210	GWB ceiling @ Restrooms	582	SF	\$12.00	\$6,984
211	GWB ceiling @ vestibule	100	SF	\$12.00	\$1,200
212	Gypsum wallboard soffit @ perimeter windows	1,312	LF	\$25.00	\$32,800
213	Exterior soffit	660	SF	\$25.00	\$16,500
214	Interior soffit; allow	1	AL	\$5,000.00	\$5,000
215	09-FINISHES TOTAL			_	\$367,899
216					



	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
219	10-SPECIALTIES				
220					
221	Visual Display Units			* • • • • • • • • • • • • • • • • • • •	***
222	Visual display boards; bulletin board, brochure holder and building map	1	AL	\$2,800.00	\$2,800
223	Signage	40.00	005	44.00	440.005
224	Code-required interior panel signage, access. Signage; Interior & Exterior	10,825	GSF	\$1.00	\$10,825
225	Toilet Compartments	•	ОТАЦІ	#4.450.00	#0.000
226	Phenolic resin, overhead braced		STALL	\$1,150.00	\$2,300
227	ADA	2	STALL	\$1,450.00	\$2,900
228	Urinal screen	2	EA	\$850.00	\$1,700
229	Corner Guards			# 4.000.00	#4.000
230	Corner guards; allow	1	LS	\$1,000.00	\$1,000
231	Movable partition at multi purpose room; motorized	42	LF	\$1,105.00	\$46,410
232	Toilet and Bath Accessories		_ ^	# 5 000 00	*
233	Toilet accessories; gang toilet	4	EA	\$5,000.00	\$20,000
234	Toilet accessories; single user	2	EA	\$700.00	\$1,400
235	Utility shelf/ mop & broom holder; Janitor	1	SET	\$150.00	\$150
236	Fire Protection Specialties		_ ^	# 450.00	#4.050
237	Recessed fire extinguisher and cabinet	3	EA	\$450.00	\$1,350
238	10-SPECIALTIES TOTAL				\$90,835
239					
240	// - 0/11-11-11-1				
241	11- EQUIPMENT				
242			005	# 000 00	#70.000
	Food service equipment	399	GSF	\$200.00	\$79,800
244	11- EQUIPMENT TOTAL				\$79,800
245					
246	40 EUDWIGUINGO				
247	12-FURNISHINGS				
248	140 A T A A				
249	Window Treatment	4.00=	0.5	47.5 0	4.0.400
250	Roller shades, manual shade operators	1,395	SF	\$7.50	\$10,463
	Entrance Mats	400	0=	***	* 0 = 00
252	Recessed walk off mats at entry	100	SF	\$35.00	\$3,500
253	12-FURNISHINGS TOTAL				\$13,963
254					
255	-/				
	21-FIRE SUPPRESSION				
257	0	40.00-	005	47.45	#77.000
	Sprinkler Coverage	10,825	GSF	\$7.15	\$77,399
	21-FIRE SUPPRESSION TOTAL				\$77,399
260					



Direct Trade Cost Details

					10,825 GSF
	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
264	22 DI LIMPING				
261 262	22-PLUMBING				
263	Equipment				
264	Gas fired hot water heater w/ storage tank	1	EA	\$18,000.00	\$18,000
265	Water meter assembly	1	EA	\$4,000.00	\$4,000
266	Reduced pressure backflow preventer, 4" main	1	EA	\$4,200.00	\$4,200
267	Backflow preventer, local	1	EA	\$725.00	\$725
268	Connection to gas meter (provided by others)	10	EA	\$750.00	\$7,500
269	Hot water circulation pump assembly	2	EA	\$1,200.00	\$2,400
270	Mixing valve	1	EA	\$4,500.00	\$4,500
271	Floor drain	1	EA	\$700.00	\$700
272	Kitchen floor sink	1	EA	\$950.00	\$950
273	Trap primer	1	EA	\$700.00	\$700
274	Wall hydrant	1	EA	\$325.00	\$325
275	Hose bibb	1	EA	\$250.00	\$250
276	Interior grease interceptor	1	EA	\$3,500.00	\$3,500
277	Rough-in & connection to kitchen equipment	1	EA	\$5,000.00	\$5,000
278	Plumbing Fixtures				
279	- Water Closet	6	EA	\$1,850.00	\$11,100
280	- Urinal	2	EA	\$1,600.00	\$3,200
281	- Lavatory; wall hung	2	EA	\$1,200.00	\$2,400
282	- Lavatory; counter mount	4	EA	\$980.00	\$3,920
283	- Janitor Closet	1	EA	\$2,500.00	\$2,500
284	- kitchen Sinks	3	EA	\$1,800.00	\$5,400
285	Domestic Water Piping				
286	Copper pipe type L with fittings & hangers	10,825	GSF	\$3.50	\$37,888
287	Sanitary Waste And Vent Piping				
288	Cast iron pipe with fittings & hangers	10,825	GSF	\$4.50	\$48,713
	Natural Gas Piping	10,825	GSF	\$1.00	\$10,825
	Miscellaneous	_		40 500 00	#0.500
291	System testing and flushing	1	LS	\$2,500.00	\$2,500
292	Coring, cutting, sleeves & fire stopping	1	LS	\$2,000.00	\$2,000
293	Seismic Restraints and Structural Steel Comp.	1	LS	\$1,500.00	\$1,500
294	Hydraulic lifts/rigging	1	LS	\$5,000.00	\$5,000 \$3,500
295	Shop drawings / BIM / ENG Support / As-Built	1	LS	\$3,500.00	\$3,500
296	Commissioning Support	1	LS	\$2,000.00	\$2,000
297	Fees & permits	1	LS	\$3,300.00	\$3,300
298 299	22-PLUMBING TOTAL				\$198,495
299					



	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
		ı			
	23-HVAC				
302			0=4	400.00	* * * * * * * * * * * * * * * * * * *
	HVAC	10,825	GFA	\$38.00	\$411,350
	23-HVAC TOTAL				\$411,350
305					
306 307	26-ELECTRICAL				
308	20-ELECTRICAL				
309	Interior Electrical				
310	Gear & Distribution				
311	Normal Power	10,825	GSF	\$2.50	\$27,063
312	Emergency Power	10,825	GSF	\$0.75	\$8,119
313	Equipment Wiring	10,825	GSF	\$2.25	\$24,356
314	Lighting & Branch Power	,		•	, , ,
315	Type 2x2 lay-in fixture	79	EA	\$220.00	\$17,380
316	Type Downlight	9	EA	\$250.00	\$2,250
317	Type Pendant fixture	10	EA	\$300.00	\$3,000
318	Type Linear fixture	411	LF	\$80.00	\$32,880
319	Type 4' fixture	4	EA	\$125.00	\$500
320	Lighting control system	10,825	GSF	\$0.75	\$8,119
321	Branch devices	10,825	GSF	\$0.50	\$5,413
322	Branch circuitry	10,825	GSF	\$4.50	\$48,713
323	Fire alarm	10,825	GSF	\$3.00	\$32,475
324	Telephone/Data/CATV	10,825	GSF	\$3.50	\$37,888
325	Security System				
326	Security system				NIC
327	AV/Sound System				
328	Rough-in and power connections	10,825	GSF	\$0.25	\$2,706
329	Lightning Protection				
330	Lightning protection system				NIC
331	Miscellaneous	_			
332	Fees & Permits	1	LS	\$3,763.00	\$3,763
333	Coordination & management	1	LS	\$8,000.00	\$8,000
334	Testing	1	LS	\$3,500.00	\$3,500
335	Temp power & lights	1	LS	\$7,500.00	\$7,500
336	26-ELECTRICAL TOTAL				\$273,623
338					
339	31-EARTHWORK				
340		I			
341	Site Clearing				
342	Clear and grub	1	ACRE	\$5,000.00	\$5,522



					10,825 GSF
	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
343	Construction fence	1,444	LF	\$14.00	\$20,216
344	Double construction gate	1	EA	\$2,500.00	\$2,500
345	Construction entrance	1	LS	\$7,500.00	\$7,500
346	Wash down/re-fueling	1,500	SF	\$2.50	\$3,750
347	Temp signs	1	LS	\$1,500.00	\$1,500
348	Haybale and erosion control netting; install, maintain and dispose	1,444	LF	\$12.00	\$17,328
349	Haybales at stockpile topsoil areas	1	LS	\$1,500.00	\$1,500
350	Senior Center Building Earthwork	10,825			
351	Bulk excavation, disposal	601	CY	\$27.00	\$16,227
352	Continuous footings	503	LF		
353	Excavation, disposal	279	CY	\$26.00	\$7,254
354	Backfill with imported fill	132	CY	\$25.00	\$3,300
355	Perimeter foundation drain	500	LF	\$18.50	\$9,242
356	Spread footings	42	EA		
357	Excavation, disposal	348	CY	\$26.00	\$9,048
358	Backfill with imported fill	250	CY	\$25.00	\$6,245
359	Backfill selected excavated material behind wall	140	CY	\$10.00	\$1,400
360	Rough and fine grade for new slab	10,825	SF	\$1.50	\$16,238
361	Gravel below slab; 12" thick	441	CY	\$32.00	\$14,112
362					
363	Site Earthwork				
364	Remove & stockpile topsoil	826	CY	\$8.00	\$6,608
365	Asphalt pavement cut and fill	713	CY	\$12.00	\$8,556
366	Concrete pavement cut and fill	55	CY	\$12.00	\$660
367	Site grade cut and fill	1,892	CY	\$10.00	\$18,920
368	Rough and fine grade of sitework	93,072	SF	\$0.50	\$46,536
369	Dewatering	1	LS	\$15,000.00	\$15,000
370	31-EARTHWORK TOTAL				\$239,162
371					
372		_			
373	32-EXTERIOR IMPROVEMENTS				
374					
375	Exterior Improvements				
376	Bollards	8	EA	\$600.00	\$4,800
377	Flagpole	1	EA	\$7,500.00	\$7,500
378	Bike racks	1	AL	\$1,500.00	\$1,500
379	Bench	4	EA	\$1,500.00	\$6,000
380	Traffic and pedestrian sign	1	AL	\$5,000.00	\$5,000
381	Trash/recycle receptacles	4	EA	\$600.00	\$2,400
382	Misc. site improvement other than above	1	LS	\$50,000.00	\$50,000
383	Paving and Surfacing				
384	Asphalt paving at vehicular: assume 4½" thick	1,710	SY	\$30.00	\$51,300



					10,825 GSF
	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
385	Gravel base; 12" crushed stone base	627	CY	\$32.00	\$20,064
386	Precast concrete curbing	564	LF	\$25.00	\$14,100
387	Parking spaces	25	EA	\$25.00	\$625
388	Handicap parking spaces	2	EA	\$75.00	\$150
389	Crosswalks	1	AL	\$400.00	\$400
390	Misc. paving marking	1	AL	\$1,500.00	\$1,500
391	Pedestrian concrete pavement	1,295	SF	\$6.50	\$8,418
392	Entrance pavement	150	SF	\$15.00	\$2,250
393	Gravel base	32	CY	\$32.00	\$1,024
394	Tactile paver	2	EA	\$450.00	\$900
395	Concrete pad	1	AL	\$3,000.00	\$3,000
396	Plantings				
397	Respread stockpiled topsoil	826	CY	\$9.00	\$7,434
398	Mulch	1	AL	\$2,000.00	\$2,000
399	Imported topsoil for plant bed (18")	1	AL	\$2,100.00	\$2,100
400	Lawn area	76,237	SF	\$0.35	\$26,683
401	Planting	1	AL	\$35,000.00	\$35,000
402	32-EXTERIOR IMPROVEMENTS TOTAL				\$254,147
403					
404					
405	33-UTILITIES				
406					
407	Water Distribution				
408	6" CLDI fire water; allow	250	LF	\$80.00	\$20,000
409	2-1/2" domestic water; allow	160	LF	\$40.00	\$6,400
410	6" T, S,& G; allow	1	EA	\$4,800.00	\$4,800
411	Sanitary Sewerage				
412	Sewer pipe; allow	120	LF	\$54.00	\$6,480
413	SMH; allow	1	EA	\$5,000.00	\$5,000
414	Oil water separator	1	EA	\$15,000.00	\$15,000
415	Connection to leaching field	1	EA	\$2,000.00	\$2,000
416	Storm Drainage				
417	Strom drainage base on hard surfacing area	16,835	SF	\$5.00	\$84,175
418	Gas Service				
419	New service line				By Gas Co.
420	Trenching and backfill only for new service line; allow	250	LF	\$35.00	\$8,750
421	Electrical Utilities				
422	Power riser (1-5")	1	EA	\$1,800.00	\$1,800
423	Primary ductbank	85	LF	\$80.00	\$6,800
424	Pad mount transformer, By Utility Co, pad only	1	EA	\$2,200.00	\$2,200
425	Secondary ductbank	100	LF	\$200.00	\$20,000
426	250KW emergency generator	1	EA	\$150,000.00	\$150,000



Direct Trade Cost Details

					10,020 001
	ELEMENT	QUANTITY	UNIT	UNIT RATE	COST
427	Communications riser 3-3"	1	EA	\$2,500.00	\$2,500
428	Communications duct bank, allow 3-3"	140	LF	\$120.00	\$16,800
429	Site Lighting				
430	Single head pole light fixture, allow	14	EA	\$2,800.00	\$39,200
431	Lighting circuitry	1,260	LF	\$15.00	\$18,900
432	Pole base	14	EA	\$350.00	\$4,900
433	33-UTILITIES TOTAL			•	\$415,705
434					