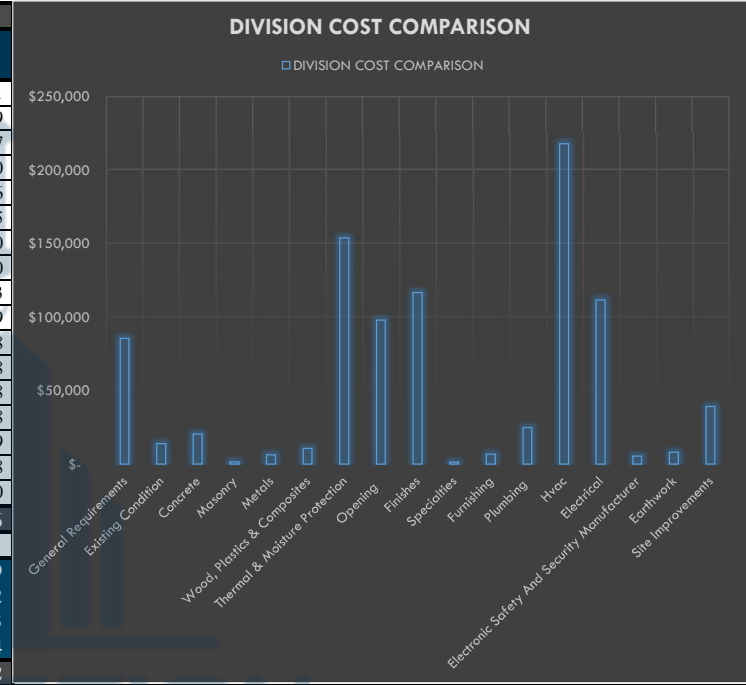


## GENERAL SUMMARY

**Prepared for:** CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
**Project ID:** 3112023  
**Scope:** G.C  
**No. Of Floors:** 1  
**Date:** 05/15/24



BUILDING GSF		13,993	
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	\$ 85,500	\$ 6.11
2000	Existing Condition	\$ 13,825	\$ 0.99
3000	Concrete	\$ 20,503	\$ 1.47
4000	Masonry	\$ 1,468	\$ 0.10
5000	Metals	\$ 6,390	\$ 0.46
6000	Wood, Plastics & Composites	\$ 10,548	\$ 0.75
7000	Thermal & Moisture Protection	\$ 153,974	\$ 11.00
8000	Opening	\$ 97,992	\$ 7.00
9000	Finishes	\$ 116,606	\$ 8.33
10000	Specialties	\$ 1,220	\$ 0.09
12000	Furnishing	\$ 6,752	\$ 0.48
22000	Plumbing	\$ 24,864	\$ 1.78
23000	Hvac	\$ 217,958	\$ 15.58
26000	Electrical	\$ 111,721	\$ 7.98
28000	Electronic Safety And Security Manufacturer	\$ 5,404	\$ 0.39
31000	Earthwork	\$ 8,117	\$ 0.58
32000	Site Improvements	\$ 39,205	\$ 2.80
<b>TOTAL TRADE COST</b>		<b>\$ 922,047</b>	<b>\$ 66</b>
<b>OVERHEAD AND PROFIT</b>			
INSURANCE	10%	\$ 92,205	\$ 6.59
CONTINGENCY	3%	\$ 27,661	\$ 2
TAX	5%	\$ 46,102	\$ 3
	6%	\$ 35,605	\$ 4
<b>SUGGESTED BID</b>		<b>\$ 1,123,620</b>	<b>\$ 82</b>



# CONSTRUCTION ESTIMATOR

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
 Project ID: 3112023  
 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>GENERAL REQUIREMENTS</b>													
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -		\$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 45,000.00	\$ 45,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 28,500.00	\$ 28,500.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,500.00	\$ 5,500.00
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00
												<b>SUBTOTAL</b>	\$ 85,500
<b>EXISTING CONDITIONS</b>													
<b>DEMOLITION</b>													
8			<b>Tag 1:</b> Remove Existing Door in its entirety <b>Door Size:</b> (3'-0" W x 7'-0" H)	EA	9	0%	9	1.320	\$ 32.00	\$ 42.24	\$ -	\$ 42.24	\$ 380.16
9			Remove Existing Door in its entirety <b>Door Size:</b> (3'-0" W x 7'-0" H) <b>Note:</b> At These Location There are New Doors In Door Schedule, But No Demolition is Given In Demo Plan D101 , So We Have Assumed Demo For These Four Doors.	EA	4	0%	4	1.320	\$ 32.00	\$ 42.24	\$ -	\$ 42.24	\$ 168.96
10			<b>Tag 2:</b> Remove Existing Stud Wall (11' H Assumed)	SF	1547	0%	1547	0.010	\$ 32.00	\$ 0.32	\$ -	\$ 0.32	\$ 495.16
11			<b>Tag 3:</b> Remove Existing 96"W x 42"H Window (1 EA)	SF	28	0%	28	1.200	\$ 32.00	\$ 38.40	\$ -	\$ 38.40	\$ 1,075.20
12			<b>Tag 8:</b> Remove Interior Masonry Wall (9'-6" H Assumed)	SF	60	0%	60	0.028	\$ 32.00	\$ 0.90	\$ -	\$ 0.90	\$ 54.14
13			<b>Tag 3:</b> Remove Existing 24"W x 42"H Window (3 EA)	SF	31	0%	31	0.500	\$ 32.00	\$ 16.00	\$ -	\$ 16.00	\$ 496.00
14			<b>Tag 18:</b> Demolish Existing Masonry Wall ( 9'-3" H)	SF	280	0%	280	0.028	\$ 32.00	\$ 0.90	\$ -	\$ 0.90	\$ 251.29
15			<b>Tag 19:</b> Saw Cut Window Opening In Masonry Wall( 56" W x 48" H, 11 EA)	SF	462	0%	462	0.032	\$ 32.00	\$ 1.02	\$ -	\$ 1.02	\$ 473.09
16			<b>Tag 17:</b> Remove Dog Hatch (3' H x16" Assumed)	EA	12	0%	12	0.500	\$ 32.00	\$ 16.00	\$ -	\$ 16.00	\$ 192.00
17			<b>Tag 22:</b> Remove Chain Link & Pipe Kennels	SF	4396	0%	4396	0.005	\$ 32.00	\$ 0.16	\$ -	\$ 0.16	\$ 703.36
18			<b>Tag 19:</b> Saw Cut Door Opening In Masonry Wall( 63" W x 7' H)	SF	44	0%	44	0.032	\$ 32.00	\$ 1.02	\$ -	\$ 1.02	\$ 45.06
19			<b>Tag 12:</b> Remove Wood Shed incl. Concrete Pad	SF	140	0%	140	0.056	\$ 32.00	\$ 1.79	\$ -	\$ 1.79	\$ 250.41
20			<b>Tag 16:</b> Remove Existing Pipe Bollard (5' H Assumed)	EA	4	0%	4	0.425	\$ 32.00	\$ 13.60	\$ -	\$ 13.60	\$ 54.40
21			<b>Tag 15:</b> Remove Existing Transformer (2'-8" W x 4' L)	EA	2	0%	2	1.500	\$ 32.00	\$ 48.00	\$ -	\$ 48.00	\$ 96.00
22			<b>Tag 11:</b> Remove Compressor , Ducts incl. Concrete Pad	SF	140	0%	140	0.056	\$ 32.00	\$ 1.79	\$ -	\$ 1.79	\$ 251.44
23			<b>Tag 14:</b> Remove Existing Chain Link Fence (7' H Assumed)	SF	715	0%	715	0.010	\$ 32.00	\$ 0.32	\$ -	\$ 0.32	\$ 228.93
24			<b>Tag 20:</b> Remove Existing Chain Link Fence Gate (5' H x 20' W, Height is Assumed)	EA	1	0%	1	2.500	\$ 32.00	\$ 80.00	\$ -	\$ 80.00	\$ 80.00
25			<b>Tag 20:</b> Remove Existing Chain Link Fence Gate (5' H x 5' W, Height is Assumed)	EA	1	0%	1	0.600	\$ 32.00	\$ 19.20	\$ -	\$ 19.20	\$ 19.20
26			<b>Tag 8,9:</b> Remove Existing Masonry Retaining Wall (95 LF) <b>Note:</b> We Assumed Area According To The Plan Notes, (Site Information/GI-100), Please verify.	SF	190	0%	190	0.028	\$ 32.00	\$ 0.90	\$ -	\$ 0.90	\$ 170.24
27			<b>Tag 10:</b> Provide Opening In Existing Masonry Wall.	SF	55	0%	55	0.032	\$ 32.00	\$ 1.02	\$ -	\$ 1.02	\$ 56.35
28			<b>Tag 5:</b> Remove Existing Roof Membrane(1" Thick, 2 Layers Of Rolled Asphalt Roofing) & 2" Thick Insulation	SF	12747	0%	12747	0.013	\$ 32.00	\$ 0.42	\$ -	\$ 0.42	\$ 5,302.75
29	D101	Demo Plan	<b>Tag 7:</b> Remove Existing Solar Panels, Dunnage & Supports Above Roof	SF	453	0%	453	0.008	\$ 32.00	\$ 0.26	\$ -	\$ 0.26	\$ 115.94
30	D101	Roof Demo Plan	<b>Tag 6:</b> Remove Existing Skylights (4'-4" L x 1'-10" W)	EA	17	0%	17	1.000	\$ 32.00	\$ 32.00	\$ -	\$ 32.00	\$ 544.00
31	P101	Plan Notes	<b>Tag 4:</b> Remove Existing Sink	EA	1	0%	1	1.250	\$ 32.00	\$ 40.00	\$ -	\$ 40.00	\$ 40.00

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
 Project ID: 3112023  
 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
32	A121	Plan Notes	Remove Spray Coating On Concrete Roof Panels To Be Left Exposed To view.	SF	4762	0%	4762	0.005	\$ 32.00	\$ 0.16	\$ -	\$ 0.16	\$ 761.92
33	CD-100	Keynote #1/CD-100	Remove Concrete Curb & Gutter	LF	92	0%	92	0.040	\$ 32.00	\$ 1.28	\$ -	\$ 1.28	\$ 118.13
34		Keynote #2/CD-100	Remove HVAC Unit	EA	3	0%	3	2.500	\$ 32.00	\$ 80.00	\$ -	\$ 80.00	\$ 240.00
35		Keynote #5/CD-100	Remove Concrete Sidewalk	SF	85	0%	85	0.056	\$ 32.00	\$ 1.79	\$ -	\$ 1.79	\$ 151.57
36		Keynote #6/CD-100	Remove Concrete Pavement	SF	269	0%	269	0.042	\$ 32.00	\$ 1.34	\$ -	\$ 1.34	\$ 362.07
37		Keynote #7/CD-100	Remove Existing Sign	EA	2	0%	2	0.100	\$ 32.00	\$ 3.20	\$ -	\$ 3.20	\$ 6.40
38	LF-101	Plan Notes	Remove Trees From Previous Forest Conservation Plan	EA	3	0%	3	1.000	\$ 32.00	\$ 32.00	\$ -	\$ 32.00	\$ 96.00
<b>PATCH &amp; REPAIR</b>													
39	A200	Plan Notes	Patch & Repair Exterior Brick Veneer	SF	133	0%	133	0.075	\$ 32.00	\$ 2.40	\$ 1.02	\$ 3.42	\$ 454.86
<b>RELOCATION</b>													
40	CD-100	Keynote #7/CD-100	Relocate Existing Signs A - (12"x18") Fire Lane - R7-1	EA	2	0%	2	0.620	\$ 32.00	\$ 19.84	\$ -	\$ 19.84	\$ 39.68
41			Relocate Existing Signs B - (12"x24") Reserved Parking - R7-8 - (12"x 6") Van Accessible - R7-8p	EA	2	0%	2	0.780	\$ 32.00	\$ 24.96	\$ -	\$ 24.96	\$ 49.92
												<b>SUBTOTAL \$</b>	<b>13,825</b>

**CONCRETE**

<b>CAST IN PLACE CONCRETE</b>													
<b>CONCRETE CUTTING:</b>													
42	A101	2/A300	Sawcut and Remove Existing Slab for Conduit Installation	SF	15	5%	16	0.048	\$ 56.00	\$ 2.69	\$ -	\$ 2.69	\$ 43
43			4" Concrete Slab Infill (0.2 CY)	SF	15	5%	16	0.052	\$ 56.00	\$ 2.91	\$ 4.25	\$ 7.16	\$ 116
44			Compacted CR6 Backfill	CY	1	5%	1	0.785	\$ 52.00	\$ 40.82	\$ 18.50	\$ 59.32	\$ 42
45			Core Drill and Install 3" Pipe Sleeves	EA	1	0%	1	0.800	\$ 52.00	\$ 41.60	\$ 85.25	\$ 126.85	\$ 85
<b>CONCRETE SLAB:</b>													
46	2-3/A500	2-3/A500	4" Thk 4000 PSI Concrete Slab (21 CY) -1/8" : 12 Sloped From Center	SF	1377	5%	1446	0.062	\$ 56.00	\$ 3.47	\$ 4.85	\$ 8.32	\$ 12,032
47			6 MIL Polyurethane Vapor Barrier	SF	1377	5%	1446	0.015	\$ 50.00	\$ 0.75	\$ 0.28	\$ 1.03	\$ 1,489
48			Compacted Fill	CY	51	5%	54	0.325	\$ 52.00	\$ 16.90	\$ -	\$ 16.90	\$ 905
<b>CONCRETE FILL:</b>													
49	1/A500	1/A500	Fill W/ Concrete and Level Existing Floor (11 CY)	SF	2577	5%	2706	0.020	\$ 56.00	\$ 1.12	\$ 1.02	\$ 2.14	\$ 5,791
												<b>SUBTOTAL \$</b>	<b>20,503</b>

**MASONRY**

<b>CMU INFILL</b>													
50	A200	3/A500	8" CMU Infill W/ Corrugated Masonry Ties and Weep Hole	SF	68	5%	72	0.120	\$ 45.00	\$ 5.40	\$ 4.25	\$ 9.65	\$ 692
51			4" Brick Veneer Infill W/ Corrugated Masonry Ties	SF	68	5%	72	0.100	\$ 45.00	\$ 4.50	\$ 3.28	\$ 7.78	\$ 558
52			12" CMU Infill @ Interior CMU Wall	SF	12	5%	13	0.210	\$ 45.00	\$ 9.45	\$ 7.24	\$ 16.69	\$ 218
												<b>SUBTOTAL \$</b>	<b>1,468</b>

**METALS**

<b>STRUCTURAL STEEL</b>													

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
 Project ID: 3112023  
 Scope: G.C



SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>LINTELS</b>													
53	A101	1/A500	Steel Lintel: W8X15 w/ 1/4" Thk. Plate (70 LF)	LBS	1645	5%	1727	0.013	\$ 58.00	\$ 0.75	\$ 2.45	\$ 3.20	\$ 5,534
<b>METAL FABRICATIONS</b>													
<b>METAL LADDERS</b>													
54	A103	Plan Notes/A101	2'-3"W x 14'-0"H Steel Ladder	EA	1	0%	1	2.250	\$ 58.00	\$ 130.50	\$ 725.85	\$ 856.35	\$ 856
												<b>SUBTOTAL</b>	\$ 6,390
<b>WOOD &amp; PLASTIC</b>													
<b>ROUGH CARPENTRY</b>													
<b>SILL BOARD</b>													
55	A602	4/A602	1'-1" W x 5/4" Thk. OAK Sill Board @ Window Type A.	LF	60	5%	63	0.024	\$ 45.00	\$ 1.08	\$ 17.65	\$ 18.73	\$ 1,180
<b>BLOCKING:</b>													
56	A400	Plan Notes	Blocking Provided For Millwork	LF	16	5%	17	0.010	\$ 45.00	\$ 0.45	\$ 0.40	\$ 0.85	\$ 14
57	A103	2/A501, PUT-T-18/ TPO Details	1-1/2"x5-1/2" Pressure Treated Blocking	LF	336	5%	353	0.012	\$ 45.00	\$ 0.54	\$ 1.02	\$ 1.56	\$ 550
58		3, 4/A501, Note 5/A103	1-1/2"x4" Pressure Treated Blocking	LF	516	5%	542	0.012	\$ 45.00	\$ 0.54	\$ 0.85	\$ 1.39	\$ 753
59			1-1/2"x9" Pressure Treated Blocking	LF	516	5%	542	0.013	\$ 45.00	\$ 0.59	\$ 1.45	\$ 2.04	\$ 1,103
<b>FINISH CARPENTRY</b>													
<b>CABINETS &amp; MILLWORK:</b>													
60	A400	Plan Notes	36" L x 30" H x 12" D Wall Cabinet W/ Doors, Hardware and Adj Shelving	EA	1	0%	1	1.250	\$ 48.00	\$ 60.00	\$ 1,150.00	\$ 1,210.00	\$ 1,210
61			36" L x 24" H x 12" D Wall Cabinet W/ Doors, Hardware and Adj Shelving	EA	1	0%	1	1.000	\$ 48.00	\$ 48.00	\$ 1,125.00	\$ 1,173.00	\$ 1,173
62			18" L x 30" H x 12" D Wall Cabinet W/ Door, Hardware and Adj Shelving	EA	1	0%	1	0.850	\$ 48.00	\$ 40.80	\$ 625.14	\$ 665.94	\$ 666
63			36" L x 36" H x 24" D Sink Cabinet W/ Doors and Hardware	EA	1	0%	1	1.850	\$ 48.00	\$ 88.80	\$ 1,725.00	\$ 1,813.80	\$ 1,814
64			24" Deep Drawers W/ Hardware -Finger Jointed Wood W/ Dovetail	EA	4	0%	4	0.400	\$ 48.00	\$ 19.20	\$ 124.50	\$ 143.70	\$ 575
65			18" L x 36" H x 24" D Trash Cabinet W/ Slide Out Door, Hardware and (2) Trash Bin	EA	1	0%	1	1.000	\$ 48.00	\$ 48.00	\$ 485.50	\$ 533.50	\$ 534
66			18" L x 36" H x 24" D Base Cabinet W/ Door, Hardware and Shelving	EA	1	0%	1	1.100	\$ 48.00	\$ 52.80	\$ 924.54	\$ 977.34	\$ 977
												<b>Note: Casework To Be Carb 2 Compliant 5/8" Grade a Solid Birch Plywood, Mortise and Tenon</b>	
												<b>SUBTOTAL</b>	\$ 10,548
<b>THERMAL &amp; MOISTURE PROTECTION</b>													
<b>THERMOPLASTIC MEMBRANE ROOFING</b>													
<b>THERMOPLASTIC-POLYOLEFIN ROOFING AS:</b>													
67	A103	Note 2/A103, PUT-T-18 / TPO Details	0.080" Platinum Thermoplastic-Polyolefin Roofing (TPO) Membrane	SF	13155	5%	13813	0.005	\$ 47.00	\$ 0.24	\$ 1.50	\$ 1.74	\$ 23,966
68		Note 2/A103	1/2" OSB Protection Board	SF	12775	5%	13414	0.008	\$ 47.00	\$ 0.38	\$ 0.65	\$ 1.03	\$ 13,763
69		Note 2/A103, PUT-RE-12, TPO Details	6" Firestone Rigid ISO Insulation (R-30)	SF	13155	5%	13813	0.013	\$ 47.00	\$ 0.61	\$ 4.25	\$ 4.86	\$ 67,146
70		PUT-T-18 / TPO Details	Firestone TPO Bonding Adhesive	SF	13155	5%	13813	0.005	\$ 47.00	\$ 0.24	\$ 1.02	\$ 1.26	\$ 17,336
<b>ROOF ACCESSORIES</b>													

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
 Project ID: 3112023  
 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
71	A103	2/A501, FS-DL-8/ TPO Details	12" Tall Skylight Metal Curb w/ Fasteners & Seam Plate @ 12"O.C. - Wasco Pre-Manufactured <b>Note: Approved Wood Curbs Can Also Be Used Instead</b>	LF	288	5%	303	0.028	\$ 47.00	\$ 1.32	\$ 41.25	\$ 42.57	\$ 12,879
72		1/A501, PUT-T-18/ TPO Details	14" Tall RTU Unit Metal Curb w/ Fasteners & Seam Plate @ 12"O.C. - Carrier: CRRFCURB003A01 <b>Note: Approved Wood Curbs Can Also Be Used Instead</b>	LF	48	5%	50	0.032	\$ 47.00	\$ 1.50	\$ 48.50	\$ 50.00	\$ 2,520
73		3, 4/A501, Bid RFI GCI 01, PUT-RE-1/ TPO Details	8" Anchor-Tite Metal (Platinum) Fascia Cover System As: - Anchor Gard Platinum Fascia Cover - Extruded Anchor Gard Platinum Bar - Anchor Gard S.S. Fasteners @ 12" O.C. <b>Note: Break Metal Flashing Can Be Used As An Alternative</b>	LF	522	5%	548	0.028	\$ 47.00	\$ 1.32	\$ 11.20	\$ 12.52	\$ 6,860
74		4/A501, Note 5/A103	13'-3"Hx 4"Dia Round Downspout w/ Aluminum Drain Cover Compatible With TPO Roofing	EA	8	0%	8	0.600	\$ 47.00	\$ 28.20	\$ 68.52	\$ 96.72	\$ 774
75	A103 Rev 1	Note 8/A103 Rev 1, MA-9/ TPO Details	2'-6"Wx30'-0"L X-Tred Roof Walkway Pads	SF	206	5%	216	0.050	\$ 47.00	\$ 2.35	\$ 6.72	\$ 9.07	\$ 1,962
76	A103	FS-DL-8/ TPO Details	Quick seam RPF Strip w/ Quick prime	LF	288	5%	302	0.012	\$ 47.00	\$ 0.56	\$ 2.45	\$ 3.01	\$ 911
77	A101	1/A500	Aluminum Flashing W/ Drip Edge @ Windows Heads	LF	60	5%	63	0.021	\$ 47.00	\$ 0.99	\$ 6.75	\$ 7.74	\$ 487
<b>FLASHING AND SHEET METAL</b>													
<b>FLEXIBLE FLASHING:</b>													
78	A103	FS-DL-8/ TPO Details	Ultra ply TPO 18" Curb Flashing @ Skylight <b>Note: Assumed</b>	LF	288	5%	302	0.022	\$ 47.00	\$ 1.03	\$ 12.58	\$ 13.61	\$ 4,117
79		PUT-T-18 / TPO Details	Ultra ply TPO 18" Curb Flashing @ RTU Curb	LF	48	5%	50	0.022	\$ 47.00	\$ 1.03	\$ 12.58	\$ 13.61	\$ 686
80	A103 Rev 1	MA-9/TPO Details	10"x0.75"x5" Quick seam Flashing @ 3' O.C. Along Walkway Pads	LF	44	5%	46	0.012	\$ 47.00	\$ 0.56	\$ 2.45	\$ 3.01	\$ 138
<b>JOINT PROTECTION</b>													
<b>SEALANT</b>													
81	A103	Note 5/PUT-T-18 /TPO Details	Cut Edge Sealant @ RTU Curb	LF	55	5%	58	0.010	\$ 47.00	\$ 0.47	\$ 0.68	\$ 1.15	\$ 66
82		Cut Edge Sealant @ Skylight <b>Note: Assumed</b>	LF	300	5%	315	0.010	\$ 47.00	\$ 0.47	\$ 0.68	\$ 1.15	\$ 362	
<b>SUBTOTAL \$</b>												<b>153,974</b>	
<b>OPENINGS</b>													
<b>DOOR &amp; FRAME</b>													
83			<b>Door Tag 121B,138:</b> Steel Door W/ (2'-0" W & 2'-6" H) Safety Glass Panel <b>Door Size:</b> (3'-0"W x 7'-0"H x 1 3/4") <b>Door Material:</b> Steel <b>Frame Material:</b> Hollow metal	EA	2	0%	2	3.200	\$ 45.00	\$ 144.00	\$ 1,150.00	\$ 1,294.00	\$ 2,588
84			<b>Door Tag 122,123,126,129B,131B,132B,133,136:</b> Steel Door W/ (2'-0" W & 2'-6" H) Safety Glass Panel <b>Door Size:</b> (3'-0"W x 7'-0"H x 1 3/8") <b>Door Material:</b> Steel <b>Frame Material:</b> Hollow metal	EA	8	0%	8	3.200	\$ 45.00	\$ 144.00	\$ 1,150.00	\$ 1,294.00	\$ 10,352

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 Project ID: 3112023  
 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
85	A600	Door schedule	<b>Door Tag 125:</b> Steel Door W/ (2'-0" W & 2'-6" H) Safety Glass Panel <b>Door Size:</b> (3'-0"W x 6'-8"H x 1 3/8") <b>Door Material:</b> Steel <b>Frame Material:</b> Hollow metal	EA	1	0%	1	3.000	\$ 45.00	\$ 135.00	\$ 1,085.00	\$ 1,220.00	\$ 1,220
86			<b>Door Tag 124:</b> Steel Door W/ 2 EA (2'-0" W & 2'-6" H) Safety Glass Panels <b>Door Size:</b> (3'-0"W x 7'-0"H x 1 3/8") <b>Door Material:</b> Steel <b>Frame Material:</b> Hollow metal	EA	1	0%	1	3.200	\$ 45.00	\$ 144.00	\$ 1,150.00	\$ 1,294.00	\$ 1,294
87			<b>Door Tag 129A,131A:</b> Double Leaf Steel Door W/ (2'-0" W & 2'-6" H) Safety Glass Panel <b>Door Size:</b> (2(3'-0")W x 7'-0"H x 1 3/4") <b>Door Material:</b> Steel <b>Frame Material:</b> Hollow metal	EA	1	0%	1	5.850	\$ 45.00	\$ 263.25	\$ 2,125.14	\$ 2,388.39	\$ 2,388
88			<b>Door Tag 131A:</b> Double Leaf Steel Door W/ (2'-0" W & 2'-6" H) Safety Glass Panel <b>Door Size:</b> (2(3'-0")W x 7'-0"H x 1 3/8") <b>Door Material:</b> Steel <b>Frame Material:</b> Hollow metal	EA	1	0%	1	5.850	\$ 45.00	\$ 263.25	\$ 2,125.14	\$ 2,388.39	\$ 2,388
89			<b>Door Tag 137:</b> Flush Steel Door <b>Door Size:</b> (3'-0"W x 6'-8"H x 1 3/8") <b>Door Material:</b> Steel <b>Frame Material:</b> Hollow metal	EA	1	0%	1	2.850	\$ 45.00	\$ 128.25	\$ 825.14	\$ 953.39	\$ 953
<b>DOOR HARDWARES</b>													
90	A600	Page 136,137/Project Manual	<b>Hardware Set 1:</b> At Exterior Double Entrance As- -6 Hinges -2 Exit Device -Electric Strike -Removable Mullion -Cylinders as Required -2 Closer -Weather Stripping -Meeting Stile Gasket -Sweep -Kickplates	EA	1	0%	1	2.800	\$ 45.00	\$ 126.00	\$ 1,791.82	\$ 1,917.82	\$ 1,918
91			<b>Hardware Set 2:</b> At Rooms With Card Readers As- -3 Hinges -Lockset-Cylinder W/ Keyed Lever, Inside Lever Always Free -Electric Strike -Closer -Silencers -Mop Plate	EA	13	0%	13	1.850	\$ 45.00	\$ 83.25	\$ 415.69	\$ 498.94	\$ 6,486

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
 Project ID: 3112023  
 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
92			<b>Hardware Set 3:</b> At Exterior Single-Exit As- -3 Hinges -Exit Device -Electric Strike -Lockset-Keyed Exterior -Cylinders as Required -Closer -Weather Stripping -Sweep -Kickplates	EA	1	0%	1	2.300	\$ 45.00	\$ 103.50	\$ 876.47	\$ 979.97	\$ 980
93		Door schedule	<b>Tag T1:</b> 3' Long ADA Complaint Aluminum Threshold W/ Weather Stripping	EA	5	0%	5	0.350	\$ 45.00	\$ 15.75	\$ 162.23	\$ 177.98	\$ 890
94			<b>Tag T1:</b> 6' Long ADA Complaint Aluminum Threshold W/ Weather Stripping	EA	1	0%	1	0.500	\$ 45.00	\$ 22.50	\$ 310.82	\$ 333.32	\$ 333
			<b>WEATHER STRIPPING AND SEALS</b>										
95	A103	FS-DL-8/ TPO Details	1/2" Vinyl Weather Strip	LF	288	5%	302	0.014	\$ 45.00	\$ 0.63	\$ 2.12	\$ 2.75	\$ 832
			<b>DOOR ACCESSORIES</b>										
96	A600	Door Accessories Notes	<b>Tag CR1:</b> Exterior Grade Card Reader Electric Strike On Door Frame	EA	4	0%	4	0.500	\$ 45.00	\$ 22.50	\$ 219.99	\$ 242.49	\$ 970
97			<b>Tag CR2:</b> Interior Grade Card Reader W/ Electric Strike On Door Frame	EA	11	0%	11	0.500	\$ 45.00	\$ 22.50	\$ 219.99	\$ 242.49	\$ 2,667
98			<b>Tag KD:</b> Surface Mounted Kick Down Door Stop	EA	15	0%	15	0.200	\$ 45.00	\$ 9.00	\$ 14.57	\$ 23.57	\$ 354
		Page 136,137/Project Manual	<b>Note: According to Project Manual, Card Reader Is Not In Contract. Please Verify.</b>										
			<b>WINDOWS</b>										
99	A602	Window Schedule	<b>Window Tag 110,111:</b> Window Size: (56" W x 48" H) Frame Material: Aluminum Style: Kawneer 8225TL Fixed Above Project-In Hopper Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	2	0%	2	2.500	\$ 45.00	\$ 112.50	\$ 1,158.16	\$ 1,270.66	\$ 2,541
100			<b>Window Tag 112-115:</b> Window Size: (56" W x 48" H) Frame Material: Aluminum Style: Kawneer 8225TL Fixed Above Project-In Hopper Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	4	0%	4	2.500	\$ 45.00	\$ 112.50	\$ 1,158.16	\$ 1,270.66	\$ 5,083
101			<b>Window Tag 116:</b> Window Size: (80" W x 99" H) Frame Material: Aluminum Style: A: Kawneer 8225TL Fixed Above Project-In Hopper Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	1	0%	1	8.500	\$ 45.00	\$ 382.50	\$ 3,411.71	\$ 3,794.21	\$ 3,794
102			<b>Window Tag 117-121:</b> Window Size: (56" W x 110" H) Frame Material: Aluminum Style: A: Kawneer 8225TL Fixed Above Project-In Hopper Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	5	0%	5	6.250	\$ 45.00	\$ 281.25	\$ 2,654.21	\$ 2,935.46	\$ 14,677
103			<b>Window Tag 134,136,137:</b> Window Size: (72" W x 42" H) Frame Material: Aluminum Style: E: Kawneer 8225TL Fixed Glazing Type: G2: Single Pane 1/2" Safety Coating	EA	3	0%	3	2.800	\$ 45.00	\$ 126.00	\$ 1,155.00	\$ 1,281.00	\$ 3,843

**DETAILED BREAKDOWN OF ITEMS**

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Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
104			Window Tag 135: Window Size: (96" W x 42" H) Frame Material: Aluminum Style: E: Kawneer 8225TL Fixed Glazing Type: G2: Single Pane 1/2" Safety Coating <b>Note: 2 Fixed Panes.</b>	EA	1	0%	1	3.500	\$ 45.00	\$ 157.50	\$ 1,540.00	\$ 1,697.50	\$ 1,698
105			Window Tag 138: Window Size: (44" W x 42" H) Frame Material: Aluminum Style: E: Kawneer 8225TL Fixed Glazing Type: G2: Single Pane 1/2" Safety Coating	EA	1	0%	1	2.000	\$ 45.00	\$ 90.00	\$ 706.48	\$ 796.48	\$ 796
106			Window Tag 139: Window Size: (42" W x 42" H) Frame Material: Aluminum Style: E: Kawneer 8225TL Fixed Glazing Type: G3: <b>Note: Details OF Glazing Is Not Mentioned.</b> <b>Note: Provide Powder Coated Finish to All Windows</b>	EA	1	0%	1	2.000	\$ 45.00	\$ 90.00	\$ 673.75	\$ 763.75	\$ 764
<b>STOREFRONT</b>													
107			Window Tag 122: Window Size: (78 3/4" W x 26" H) Frame Material: Aluminum Style: C: Kawneer 8400 Left Slider Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	1	0%	1	2.450	\$ 45.00	\$ 110.25	\$ 873.30	\$ 983.55	\$ 984
108			Window Tag 123-125: Window Size: (79 3/4" W x 26" H) Frame Material: Aluminum Style: C: Kawneer 8400 Left Slider Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	3	0%	3	2.450	\$ 45.00	\$ 110.25	\$ 884.05	\$ 994.30	\$ 2,983
109			Window Tag 126: Window Size: (78 3/4" W x 26" H) Frame Material: Aluminum Style: B: Kawneer 8400 Right Slider Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	1	0%	1	2.450	\$ 45.00	\$ 110.25	\$ 873.30	\$ 983.55	\$ 984
110	A603	Storefront Details	Window Tag 127-129: Window Size: (79 3/4" W x 26" H) Frame Material: Aluminum Style: B: Kawneer 8400 Right Slider Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	3	0%	3	2.450	\$ 45.00	\$ 110.25	\$ 884.05	\$ 994.30	\$ 2,983
111			Window Tag 130: Window Size: (76 3/4" W x 26" H) Frame Material: Aluminum Style: D: Kawneer 601T Fixed Pane Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	1	0%	1	2.400	\$ 45.00	\$ 108.00	\$ 850.46	\$ 958.46	\$ 958
112			Window Tag 131-133: Window Size: (79 3/4" W x 26" H) Frame Material: Aluminum Style: D: Kawneer 601T Fixed Pane Glazing Type: G1: Insulated Double Pane Glazing W/ Low-E	EA	3	0%	3	2.450	\$ 45.00	\$ 110.25	\$ 884.05	\$ 994.30	\$ 2,983
113			Prefinished 0.125 Aluminum Break Metal Filler. <b>Note: Basis OF Design For StoreFront To Be Kawneer Trifab Versa glaze 601T Framing System.</b>	SF	17	5%	18	0.015	\$ 45.00	\$ 0.68	\$ 32.18	\$ 32.86	\$ 586
<b>ROOF WINDOWS AND SKYLIGHTS</b>													



**DETAILED BREAKDOWN OF ITEMS**

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Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>UNIT SKYLIGHTS:</b>													
114	A103	Note 1/ A103, FS-DL-8/ TPO Details	1'-8"x4'-4" Velux Dynamic Double Dome Skylight w/ Extruded Aluminum Sun wave Daylight Frame	EA	17	0%	17	2.500	\$ 45.00	\$ 112.50	\$ 308.26	\$ 420.76	\$ 7,153
115		Note 3/ A103, FS-DL-8/ TPO Details	12'-7"x7'-4" Skylight @ Existing Roof Opening w/ Extruded Aluminum Sun wave Daylight Frame	EA	2	0%	2	7.850	\$ 45.00	\$ 353.25	\$ 3,930.97	\$ 4,284.22	\$ 8,568
												<b>SUBTOTAL</b>	\$ 97,992

**FINISHES**

<b>DRY WALL ASSEMBLIES</b>																
<b>Type 2A Metal Stud Wall:</b>																
<b>3-5/8" 2 Hour Rated Metal Stud Wall Furring As:</b>																
116	A101	2A/A500, Assembly Notes	5/8" GWB At Interior Side	SF	3477	5%	3650									
117			No of Sheets (4'x8')	EA	115	0%	115	0.280	\$ 55.00	\$ 15.40	\$ 16.85	\$ 32.25	\$ 3,709			
118			Tapping	LF	1738	5%	1825	0.008	\$ 55.00	\$ 0.44	\$ 0.03	\$ 0.47	\$ 858			
119			Mudding	LBs	181	5%	190	0.250	\$ 55.00	\$ 13.75	\$ 1.52	\$ 15.27	\$ 2,899			
120			Screws	EA	5520	0%	5520	0.000	\$ 55.00	\$ -	\$ 0.05	\$ 0.05	\$ 276			
121			3-5/8" Metal Studs @ 16" O.C. (Height Varies)	LF	2967	5%	3115	0.012	\$ 55.00	\$ 0.66	\$ 1.45	\$ 2.11	\$ 6,573			
122			3-5/8" Metal Track @ Top	LF	301	5%	316	0.012	\$ 55.00	\$ 0.66	\$ 1.45	\$ 2.11	\$ 666			
123			3-5/8" Metal Track @ Bottom	LF	301	5%	316	0.012	\$ 55.00	\$ 0.66	\$ 1.45	\$ 2.11	\$ 667			
124			2" Rigid Foam Insulation Board (Min. R-10 Cont. Insul.)	SF	3477	5%	3650	0.010	\$ 55.00	\$ 0.55	\$ 1.32	\$ 1.87	\$ 6,826			
125			Fluid Applied Vapor Permeable Air Barrier	SF	3477	5%	3650	0.005	\$ 55.00	\$ 0.28	\$ 0.32	\$ 0.60	\$ 2,172			
126			Sealant @ All Penetrations	SF	602	5%	632	0.010	\$ 55.00	\$ 0.55	\$ 0.40	\$ 0.95	\$ 600			
127			<b>Type 0A Metal Stud Wall:</b>													
<b>3-5/8" Metal Stud Wall As:</b>																
128			A101	0A/A500, Assembly Notes	1 Layer Of Gypsum Wall Board On Both Sides	SF	2310	5%	2426							
129					No of Sheets (4'x8')	EA	76	0%	76	0.280	\$ 55.00	\$ 15.40	\$ 16.85	\$ 32.25	\$ 2,451	
130					Tapping	LF	1155	5%	1213	0.008	\$ 55.00	\$ 0.44	\$ 0.03	\$ 0.47	\$ 570	
131					Mudding	LBs	120	5%	126	0.250	\$ 55.00	\$ 13.75	\$ 1.52	\$ 15.27	\$ 1,926	
132					Screws	EA	3648	0%	3648	0.000	\$ 55.00	\$ -	\$ 0.05	\$ 0.05	\$ 182	
133	3-5/8" Metal Studs @ 16" O.C. (Height Varies)	LF			990	5%	1039	0.012	\$ 55.00	\$ 0.66	\$ 1.45	\$ 2.11	\$ 2,193			
134	3-5/8" Metal Track @ Top	LF			99	5%	104	0.012	\$ 55.00	\$ 0.66	\$ 1.45	\$ 2.11	\$ 219			
135	3-5/8" Metal Track @ Bottom	LF			99	5%	104	0.012	\$ 55.00	\$ 0.66	\$ 1.45	\$ 2.11	\$ 219			
136	Mineral Wool Acoustical Batt Insulation	SF			1155	5%	1213	0.013	\$ 55.00	\$ 0.72	\$ 0.92	\$ 1.64	\$ 1,983			
137	Sealant @ All Penetrations	SF			396	5%	416	0.010	\$ 55.00	\$ 0.55	\$ 0.40	\$ 0.95	\$ 395			
138	<b>Type 0B Metal Stud Wall:</b>															
<b>6" Metal Stud Wall As:</b>																
139	A101	0B/A500, Assembly Notes			1 Layer Of Gypsum Wall Board On Both Sides	SF	3885	5%	4080							
140					No of Sheets (4'x8')	EA	128	0%	128	0.280	\$ 55.00	\$ 15.40	\$ 16.85	\$ 32.25	\$ 4,128	
141					Tapping	LF	1943	5%	2040	0.008	\$ 55.00	\$ 0.44	\$ 0.03	\$ 0.47	\$ 959	
142					Mudding	LBs	202	5%	212	0.250	\$ 55.00	\$ 13.75	\$ 1.52	\$ 15.27	\$ 3,239	
143					Screws	EA	6144	0%	6144	0.000	\$ 55.00	\$ -	\$ 0.05	\$ 0.05	\$ 307	
144					6" Metal Studs @ 16" O.C. (Height Varies)	LF	1665	5%	1748	0.012	\$ 55.00	\$ 0.66	\$ 1.85	\$ 2.51	\$ 4,387	
145			6" Metal Track @ Top	LF	164	5%	172	0.012	\$ 55.00	\$ 0.66	\$ 1.85	\$ 2.51	\$ 432			
146			6" Metal Track @ Bottom	LF	164	5%	172	0.012	\$ 55.00	\$ 0.66	\$ 1.85	\$ 2.51	\$ 432			
147			Mineral Wool Acoustical Batt Insulation	SF	1943	5%	2040	0.013	\$ 55.00	\$ 0.72	\$ 0.92	\$ 1.64	\$ 3,335			
148			Sealant @ All Penetrations	SF	656	5%	689	0.010	\$ 55.00	\$ 0.55	\$ 0.40	\$ 0.95	\$ 654			
149			<b>FLOORING &amp; WALL BASE</b>													
<b>FLOORING:</b>																
150					Sealed Concrete	SF	2305	5%	2420	0.015	\$ 52.00	\$ 0.78	\$ 1.45	\$ 2.23	\$ 5,396	



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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
170	A600	Detail 4/ A600	4" Hemmed Edge Prefinished Aluminum @ Exterior Doors	LF	42	5%	44	0.014	\$ 40.00	\$ 0.56	\$ 3.45	\$ 4.01	\$ 177
171			4" Hemmed Edge Prefinished Aluminum @ Exterior Windows	LF	155	5%	163	0.014	\$ 40.00	\$ 0.56	\$ 3.45	\$ 4.01	\$ 653
172	A602	4/A602	Kawneer Premanufactured One Piece Subsill <i>Note: Cut Opening @ Top Of Existing Brick Course.</i>	LF	60	5%	63	0.021	\$ 40.00	\$ 0.84	\$ 8.50	\$ 9.34	\$ 588
<b>SUBTOTAL</b>												\$ 116,606	

**SPECIALTIES**

FIRE EXTINGUISHERS													
173	A101	Legend/ A101	Fire Extinguishers W/ Mounting Brackets	EA	10	0%	10	0.320	\$ 48.00	\$ 15.36	\$ 98.50	\$ 113.86	\$ 1,139
<b>SIGNAGE</b>													
174		Door Schedule/ A600	Exterior Exit Signage @ Entry Door	EA	1	0%	1	0.350	\$ 48.00	\$ 16.80	\$ 64.95	\$ 81.75	\$ 82
<b>SUBTOTAL</b>												\$ 1,220	

**FURNISHING**

WINDOW SHADES													
175	A602	RFI: TB 007	Dual Shades W/ 3% Fabric & Backout Shades.(2 EA)	SF	84	5%	88	0.032	\$ 48.00	\$ 1.54	\$ 28.17	\$ 29.71	\$ 2,620
176			3% Light Filtering Shade.(16 EA)	SF	460	5%	483	0.020	\$ 48.00	\$ 0.96	\$ 2.50	\$ 3.46	\$ 1,671
177			One 3% Light Filtering Continuous Shade @ Stacked Vertically Windows.(4 EA)	SF	208	5%	218	0.020	\$ 48.00	\$ 0.96	\$ 2.50	\$ 3.46	\$ 756
COUNTER TOP & BACK SPLASH													
178	A101	A400	1.25" Thk Granite Grade 2 Stone Countertop	SF	16	5%	17	0.185	\$ 48.00	\$ 8.88	\$ 85.65	\$ 94.53	\$ 1,588
179			4" Granite Backsplash	LF	8	5%	8	0.062	\$ 48.00	\$ 2.98	\$ 11.56	\$ 14.54	\$ 117
<b>SUBTOTAL</b>												\$ 6,752	

**PLUMBING**

COLD WATER PIPE (ABOVE GRADE)													
<b>Material</b>													
180	P101	Water Riser Diagram/ P001	3/4" Cold Water Pipe	LF	24	5%	25	0.042	\$ 70.00	\$ 2.94	\$ 5.44	\$ 8.38	\$ 211.70
181			1-1/2" Cold Water Pipe	LF	152	5%	159	0.052	\$ 70.00	\$ 3.64	\$ 9.69	\$ 13.33	\$ 2,125.23
182			1/2" Cold Water Pipe	LF	75	5%	79	0.035	\$ 70.00	\$ 2.45	\$ 4.18	\$ 6.63	\$ 522.27
183			1" Cold Water Pipe	LF	38	5%	40	0.045	\$ 70.00	\$ 3.15	\$ 5.31	\$ 8.46	\$ 338.45
<b>Insulation</b>													
184		2018 IECC Code/ P101	R3 Insulation @ Water Pipes	LF	289	5%	303	0.070	\$ 70.00	\$ 4.90	\$ 6.62	\$ 11.52	\$ 3,494.73
COLD WATER PIPE FITTINGS													
<b>ELBOW</b>													
185		Water Riser Diagram/ P001	90 D Elbow	EA	3	0%	3	0.380	\$ 70.00	\$ 26.60	\$ 16.00	\$ 42.60	\$ 127.80
<b>TEE</b>													
186			Tee	EA	6	0%	6	0.688	\$ 70.00	\$ 48.16	\$ 87.50	\$ 135.66	\$ 813.96
HOT WATER PIPE (ABOVE GRADE)													
<b>Material</b>													
187	P101	Plumbing Fixture Schedule/ P001	1/2" Hot Water Pipe (6' H)	LF	24	5%	25	0.035	\$ 70.00	\$ 2.45	\$ 4.18	\$ 6.63	\$ 167.13
<b>Insulation</b>													
188		2018 IECC Code/ P101	R3 Insulation @ Water Pipes	LF	24	5%	25	0.058	\$ 70.00	\$ 4.06	\$ 3.33	\$ 7.39	\$ 186.23
SANITARY PIPE (ABOVE GRADE)													
<b>Material</b>													

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
189		Sanitary Riser/ P001	4" Sanitary Pipe	LF	48	5%	50	0.069	\$ 70.00	\$ 4.83	\$ 7.88	\$ 12.71	\$ 635.38	
			<b>VENT PIPE (ABOVE GRADE)</b>											
			<b>Material</b>											
190	P101	Plumbing Fixture Schedule/ P001	1-1/2" Vent Pipe	LF	7	5%	7	0.045	\$ 70.00	\$ 3.15	\$ 3.51	\$ 6.66	\$ 48.95	
191			3" Vent Pipe	LF	123	5%	129	0.065	\$ 70.00	\$ 4.55	\$ 5.88	\$ 10.43	\$ 1,347.03	
			<b>VENT PIPE FITTINGS</b>											
			<b>ELBOW</b>											
192			90 D Elbow	EA	4	0%	4	0.435	\$ 70.00	\$ 30.45	\$ 38.50	\$ 68.95	\$ 275.80	
193			<b>TEE</b> Tee	EA	1	0%	1	0.625	\$ 70.00	\$ 43.75	\$ 51.00	\$ 94.75	\$ 94.75	
			<b>PLUMBING FIXTURES</b>											
194	P101	Plumbing Fixture Schedule/ P001	<b>Tag HBO:</b> Freeless Exterior Hose Bib <b>Manufacturer:</b> WOODFORD <b>Model:</b> Brass B65/65	EA	1	0%	1	0.588	\$ 70.00	\$ 41.16	\$ 471.28	\$ 512.44	\$ 512.44	
195			<b>Tag HBI:</b> Internal Hose Bib <b>Manufacturer:</b> WOODFORD <b>Model:</b> Brass B65/65	EA	3	0%	3	0.588	\$ 70.00	\$ 41.16	\$ 471.28	\$ 512.44	\$ 1,537.32	
196			<b>Tag WF:</b> Water Fountain <b>Manufacturer:</b> ELKAY <b>Model:</b> LZSTLVR8SC	EA	1	0%	1	2.540	\$ 70.00	\$ 177.80	\$ 1,400.99	\$ 1,578.79	\$ 1,578.79	
197			<b>Tag US:</b> Utility Sink <b>Manufacturer:</b> Griffin <b>Catalog #:</b> UM-299	EA	1	0%	1	2.840	\$ 70.00	\$ 198.80	\$ 921.34	\$ 1,120.14	\$ 1,120.14	
198			<b>Tag FD:</b> Floor Drain <b>Manufacturer:</b> Zurn <b>Catalog #:</b> ZM415BS—P	EA	2	0%	2	0.659	\$ 70.00	\$ 46.13	\$ 443.10	\$ 489.23	\$ 978.46	
			<b>WATER HEATER</b>											
199	P101	Instant Water Heater Schedule/ P001	<b>Tag IWH:</b> Instant Water Heater <b>Manufacturer:</b> EMAX <b>Catalog #:</b> SP4208	EA	2	0%	2	2.180	\$ 70.00	\$ 152.60	\$ 210.99	\$ 363.59	\$ 727.18	
200		Wall Heater Schedule/ M001	<b>Tag WH-1:</b> Wall Mounted Heater <b>CFM:</b> 65 <b>Manufacturer:</b> QMARK <b>Catalog #:</b> CHW1151DSF	EA	6	0%	6	1.450	\$ 70.00	\$ 101.50	\$ 284.03	\$ 385.53	\$ 2,313.18	
			<b>MISCELLANEOUS</b>											
			<b>CAP</b>											
201	P101		Cap @ Existing Floor Drain	EA	5	0%	5	0.220	\$ 70.00	\$ 15.40	\$ 12.79	\$ 28.19	\$ 140.95	
			<b>BACK FLOW PREVENTER</b>											
202			Back Flow Preventer	EA	1	0%	1	0.950	\$ 70.00	\$ 66.50	\$ 179.98	\$ 246.48	\$ 246.48	
			<b>TRENCHING &amp; BACKFILLING</b>											
203		2/A500	6-1/4" Wide Trench <b>Manufacturer:</b> Zurn	LF	60	5%	63	0.042	\$ 70.00	\$ 2.94	\$ 81.50	\$ 84.44	\$ 5,319.72	
<b>SUBTOTAL</b>												\$	24,864	
<b>HVAC</b>														
<b>CONVECTION HEATING AND COOLING UNITS</b>														
<b>ROOFTOP UNITS AS:</b>														

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
 Project ID: 3112023  
 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
204	A103	Note 4/A103	Carrier RTU Unit Size: 7'x5' Weight: 2000 LBs	EA	2	0%	2	5.000	\$ 72.00	\$ 360.00	\$ 10,395.00	\$ 10,755.00	\$ 21,510
			<b>CONDENSER UNITS AS:</b>										
205		Note 7/A103	(Tag: CU1 & CU2) Outside Condensers Units Size: 2'-0"x1'-9" Mnf: Mitsubishi Weight: 10 Ton Model: PUHY-EP120TNU-A	EA	2	0%	2	4.550	\$ 72.00	\$ 327.60	\$ 5,760.00	\$ 6,087.60	\$ 12,175
			<b>DUCTLESS SPLIT SYSTEM AS:</b>										
			<b>INDOOR UNITS @ IT &amp; SERVER ROOM:</b>										
206	M101		Indoor Units: MSS-11A & MSS-12A Mnf: Mitsubishi Model: Mitsubishi-Trane, MSY-GL18NA-U1	EA	2	0%	2	1.230	\$ 72.00	\$ 88.56	\$ 853.43	\$ 941.99	\$ 1,884
207			Condensate Pump Model: Blue Diamond x87-711/721	EA	2	0%	2	0.625	\$ 72.00	\$ 45.00	\$ 289.00	\$ 334.00	\$ 668
208			Drain Pan Level Sensor	EA	2	0%	2	0.220	\$ 72.00	\$ 15.84	\$ 22.73	\$ 38.57	\$ 77
209			Wired Wall Mounted Thermostat	EA	2	0%	2	0.356	\$ 72.00	\$ 25.63	\$ 130.00	\$ 155.63	\$ 311
			<b>OUTDOOR UNIT @ ROOFTOP:</b>										
210	A103		Outdoor Units: MSS-11 & MSS-12 Mnf: Mitsubishi Model: MUY-GL18NA-U1	EA	2	0%	2	0.985	\$ 72.00	\$ 70.92	\$ 1,419.00	\$ 1,489.92	\$ 2,980
211			Diversitech ULTRALITE Condenser Mounting Pad Size: 16"x36"x3" Model: UC1636-3	EA	2	0%	2	0.345	\$ 72.00	\$ 24.84	\$ 44.00	\$ 68.84	\$ 138
212			Drain Pan Heater Mnf: Mitsubishi Model: MAC-640BH-U	EA	2	0%	2	0.855	\$ 72.00	\$ 61.56	\$ 157.50	\$ 219.06	\$ 438
213			3.25" Mounting Base	EA	2	0%	2	0.525	\$ 72.00	\$ 37.80	\$ 29.00	\$ 66.80	\$ 134
214			Drain Pan Socket	EA	2	0%	2	0.350	\$ 72.00	\$ 25.20	\$ 8.57	\$ 33.77	\$ 68
				<b>DUCT</b>									
215			Flexible Duct	LF	86	5%	90	0.045	\$ 72.00	\$ 3.24	\$ 1.62	\$ 4.86	\$ 439.57
			<b>FLEXIBLE DUCT CONNECTOR</b>										
216			Flexible Duct Connector (Assumed)	EA	17	0%	17	0.045	\$ 72.00	\$ 3.24	\$ 1.62	\$ 4.86	\$ 82.62
			<b>DUCT WEIGHT</b>										
217			Galvanized Sheet Metal Duct	LBs	5980	5%	6279	0.092	\$ 72.00	\$ 6.62	\$ 0.82	\$ 7.44	\$ 46,740.88
			<b>DUCT INSULATION</b>										
218			Insulation @ Galvanized Sheet Metal Duct	SF	5215	5%	5476	0.025	\$ 72.00	\$ 1.80	\$ 2.25	\$ 4.05	\$ 22,176.79
			<b>DIFFUSER</b>										
			<b>SUPPLY DIFFUSER</b>										
219	Sheet Note 3/ M101		Tag 3: 12" x 18" Supply Diffuser @ ERV-1	EA	1	0%	1	0.358	\$ 72.00	\$ 25.78	\$ 81.00	\$ 106.78	\$ 106.78
220			Tag 3: 12" x 16" Supply Diffuser @ ERV-2 To ERV-5	EA	4	0%	4	0.350	\$ 72.00	\$ 25.20	\$ 74.97	\$ 100.17	\$ 400.68
			<b>CEILING DIFFUSER</b>										
221			Ceiling Diffuser CFM: 250 Size: 24 x 24 Model: TITUS TMS	EA	14	0%	14	0.370	\$ 72.00	\$ 26.64	\$ 130.01	\$ 156.65	\$ 2,193.10

**DETAILED BREAKDOWN OF ITEMS**

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
222	M101	Air Distribution Device Schedule/ M101	Ceiling Diffuser CFM: 350 Size: 24 x 24 Model: TITUS TMS	EA	3	0%	3	0.370	\$ 72.00	\$ 26.64	\$ 130.01	\$ 156.65	\$ 469.95	
			<b>RETURN DIFFUSER</b>											
223			Return Diffuser CFM: 1500 Size: 24 x 24 Model: TITUS PXP	EA	17	0%	17	0.370	\$ 72.00	\$ 26.64	\$ 130.01	\$ 156.65	\$ 2,663.05	
224			Return Grille W/ Front Blade CFM: 1500 Size: 24 x 24 Model: TITUS 300/350-steel-HD	EA	5	0%	5	0.370	\$ 72.00	\$ 26.64	\$ 130.01	\$ 156.65	\$ 783.25	
			<b>DUCT DIFFUSER</b>											
			<b>DUCT MOUNTED DIFFUSER</b>											
225	M101	Symbol/ M001	Duct Mounted Diffuser CFM: 200	EA	1	0%	1	0.350	\$ 72.00	\$ 25.20	\$ 63.50	\$ 88.70	\$ 88.70	
226				Duct Mounted Diffuser CFM: 250	EA	4	0%	4	0.350	\$ 72.00	\$ 25.20	\$ 63.50	\$ 88.70	\$ 354.80
227				Duct Mounted Diffuser CFM: 600	EA	15	0%	15	0.350	\$ 72.00	\$ 25.20	\$ 63.50	\$ 88.70	\$ 1,330.50
				<b>RETURN DUCT DIFFUSER</b>										
228				Duct Mounted Return Diffuser	EA	8	0%	8	0.350	\$ 72.00	\$ 25.20	\$ 63.50	\$ 88.70	\$ 709.60
229				Duct Mounted Return Diffuser CFM: 200	EA	1	0%	1	0.350	\$ 72.00	\$ 25.20	\$ 63.50	\$ 88.70	\$ 88.70
230				Duct Mounted Return Diffuser CFM: 250	EA	1	0%	1	0.350	\$ 72.00	\$ 25.20	\$ 63.50	\$ 88.70	\$ 88.70
			<b>VARIABLE REFRIGERANT FLOW</b>											
231		VRF Schedule/ M001	Tag VRF1-15: Variable Refrigerant Flow Manufacturer: Mitsubishi Size: 10"HX36"WX30"D Capacity: 600 CFM	EA	15	0%	15	5.776	\$ 72.00	\$ 415.87	\$ 3,046.00	\$ 3,461.87	\$ 51,928.08	
			<b>VARIABLE REFRIGERANT DUCT</b>											
232		Sheet No 6/ M101	Tag 6: VRF Ducts	EA	12	0%	12	2.540	\$ 72.00	\$ 182.88	\$ 1,600.00	\$ 1,782.88	\$ 21,394.56	
			<b>LOUVERS</b>											
233	M101	Sheet Note1/ M101	Tag 1: 12" x 16" Louver @ ERV-1 Finish: AMAA 2605 Bird Screen: 0.75" x 0.05" Coating Type: 2Ct 70% Kynar/ 100% Fluoropolymer Color: Standard TBS	EA	2	0%	2	0.385	\$ 72.00	\$ 27.72	\$ 107.99	\$ 135.71	\$ 271.42	
234				Tag 1: 12" x 14" Louver @ ERV-2 Finish: AMAA 2605 Bird Screen: 0.75" x 0.05" Coating Type: 2Ct 70% Kynar/ 100% Fluoropolymer Color: Standard TBS	EA	2	0%	2	0.380	\$ 72.00	\$ 27.36	\$ 101.84	\$ 129.20	\$ 258.40
235				Tag 1: 12" x 14" Louver @ ERV-3 Finish: AMAA 2605 Bird Screen: 0.75" x 0.05" Coating Type: 2Ct 70% Kynar/ 100% Fluoropolymer Color: Standard TBS	EA	2	0%	2	0.380	\$ 72.00	\$ 27.36	\$ 101.84	\$ 129.20	\$ 258.40

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236			Tag 1: 12" x 14" Louver @ ERV-4 Finish: AMAA 2605 Bird Screen: 0.75" x 0.05" Coating Type: 2Ct 70% Kynar/ 100% Fluoropolymer Color: Standard TBS	EA	2	0%	2	0.380	\$ 72.00	\$ 27.36	\$ 101.84	\$ 129.20	\$ 258.40
237			Tag 1: 12" x 14" Louver @ ERV-5 Finish: AMAA 2605 Bird Screen: 0.75" x 0.05" Coating Type: 2Ct 70% Kynar/ 100% Fluoropolymer Color: Standard TBS	EA	2	0%	2	0.380	\$ 72.00	\$ 27.36	\$ 101.84	\$ 129.20	\$ 258.40
<b>AIR DEVICES</b>													
238	M101	RFI NO: TB 005	Wiring and Junction Box for 42" Reversible 3-Speed Ceiling Fan <b>Note: Please Verify If Owner Provided and Installed. See RFI Response on RFI no.TB 005</b>	EA	6	0%	6	1.320	\$ 72.00	\$ 95.04	\$ 259.99	\$ 355.03	\$ 2,130.18
<b>DAMPERS</b>													
239	M101	Air Distribution Device Schedule/ M101	Opposed Blade Volume Damper @ Supply Diffuser	EA	17	0%	17	0.450	\$ 72.00	\$ 32.40	\$ 145.99	\$ 178.39	\$ 3,032.63
<b>MISCELLANEOUS</b>													
<b>ENERGY RECOVERY VENTILATOR</b>													
240			Tag ERV-1: Energy Recovery Ventilator Size: 62" L x 44" W x 22" H CFM: 456 Manufacturer: Renewaire Catalog Number: EV450IN	EA	1	0%	1	3.450	\$ 72.00	\$ 248.40	\$ 3,275.00	\$ 3,523.40	\$ 3,523.40
241			Tag ERV-2: Energy Recovery Ventilator Size: 62" L x 44" W x 22" H CFM: 375 Manufacturer: Renewaire Catalog Number: EV450IN	EA	1	0%	1	3.450	\$ 72.00	\$ 248.40	\$ 3,275.00	\$ 3,523.40	\$ 3,523.40
242	M101	Energy Recovery Ventilator	Tag ERV-3: Energy Recovery Ventilator Size: 62" L x 44" W x 22" H CFM: 375 Manufacturer: Renewaire Catalog Number: EV450IN	EA	1	0%	1	3.450	\$ 72.00	\$ 248.40	\$ 3,275.00	\$ 3,523.40	\$ 3,523.40
243			Tag ERV-4: Energy Recovery Ventilator Size: 62" L x 44" W x 22" H CFM: 375 Manufacturer: Renewaire Catalog Number: EV450IN	EA	1	0%	1	3.450	\$ 72.00	\$ 248.40	\$ 3,275.00	\$ 3,523.40	\$ 3,523.40
244			Tag ERV-5: Energy Recovery Ventilator Size: 62" L x 44" W x 22" H CFM: 375 Manufacturer: Renewaire Catalog Number: EV450IN	EA	1	0%	1	3.450	\$ 72.00	\$ 248.40	\$ 3,275.00	\$ 3,523.40	\$ 3,523.40
<b>STOP VALVE</b>													
245			Stop Valve	EA	5	0%	5	0.250	\$ 72.00	\$ 18.00	\$ 11.71	\$ 29.71	\$ 148.55
<b>PRIME TRAP</b>													
246	M101		P-Trap	EA	5	0%	5	0.420	\$ 72.00	\$ 30.24	\$ 15.82	\$ 46.06	\$ 230.30
<b>THERMOSTAT</b>													
247		Symbol/ M001	Thermostat	EA	7	0%	7	0.320	\$ 72.00	\$ 23.04	\$ 130.00	\$ 153.04	\$ 1,071.28
												<b>SUBTOTAL</b>	\$ 217,958

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>ELECTRICAL</b>													
<b>DISTRIBUTION</b>													
<b>WIRING</b>													
248	E102		Allowance For Wiring & Conduits (7100)	LS	1	5%	1	0.000	\$ -	\$ -	\$ -	\$ 23,075.00	\$ 24,228.75
<b>PANEL</b>													
249	E501	Panel Schedule/ E501	Tag A: Panel (3 Phase & 4 Wires) Voltage: 120/208V Bus Size: 200A Main: MLO Poles: 42	EA	1	0%	1	6.154	\$ 78.00	\$ 480.01	\$ 2,027.00	\$ 2,507.01	\$ 2,507.01
250			Tag B: Panel (3 Phase & 4 Wires) Voltage: 120/208V Bus Size: 400A Main: MLO Poles: 42	EA	1	0%	1	8.330	\$ 78.00	\$ 649.74	\$ 4,140.00	\$ 4,789.74	\$ 4,789.74
251			Tag C: Panel (3 Phase & 4 Wires) Voltage: 120/208V Bus Size: 100A Main: MLO Poles: 42 <i>Note: Provide panel with metal pocket and use existing feeder to connect the panel.</i>	EA	1	0%	1	3.070	\$ 78.00	\$ 239.46	\$ 1,040.00	\$ 1,279.46	\$ 1,279.46
252			Tag D: Panel (1 Phase & 3 Wires) Voltage: 120/240V Bus Size: 100A Main: 80A MCB Poles: 42	EA	1	0%	1	3.070	\$ 78.00	\$ 239.46	\$ 1,040.00	\$ 1,279.46	\$ 1,279.46
253			E102	Symbol/ E001	Heavy Duty Disconnect Switch	EA	13	0%	13	1.230	\$ 78.00	\$ 95.94	\$ 1,093.00
<b>GROUNDING</b>													
<b>POWER</b>													
<b>DEVICE</b>													
254	E102	Symbols/ E001	Ceiling Mounted Duplex Receptacle	EA	82	0%	82	0.245	\$ 78.00	\$ 19.11	\$ 17.56	\$ 36.67	\$ 3,006.94
255			Ceiling Mounted Duplex Receptacle (Tamper Resistance)	EA	14	0%	14	0.250	\$ 78.00	\$ 19.50	\$ 22.20	\$ 41.70	\$ 583.80
256			Water Proof Duplex Receptacle	EA	20	0%	20	0.250	\$ 78.00	\$ 19.50	\$ 28.25	\$ 47.75	\$ 955.00
257			Water Proof Duplex Receptacle (Tamper Resistance)	EA	2	0%	2	0.250	\$ 78.00	\$ 19.50	\$ 40.53	\$ 60.03	\$ 120.06
258			Duplex Receptacle	EA	6	0%	6	0.245	\$ 78.00	\$ 19.11	\$ 17.56	\$ 36.67	\$ 220.02
259			Duplex Receptacle (Tamper Resistance)	EA	1	0%	1	0.250	\$ 78.00	\$ 19.50	\$ 22.20	\$ 41.70	\$ 41.70
260			Quadruplex Receptacle	EA	11	0%	11	0.340	\$ 78.00	\$ 26.52	\$ 29.30	\$ 55.82	\$ 614.02
<i>Note: All receptacle wiring shall be in galvanized steel conduit</i>													
<b>LIGHTING</b>													
<b>INTERIOR LIGHTING FIXTURES</b>													
261			Tag A: 2'x2' Recessed Light Manufacturer: Day-Brite Catalog No: 2FGG45L840-2-D-UNV-DIM	EA	20	0%	20	0.425	\$ 78.00	\$ 33.15	\$ 99.95	\$ 133.10	\$ 2,662.00
262			Tag A1: 2'x2' Recessed Light W/ Integral Sensor Manufacturer: Day-Brite Catalog No: 2FGG45L840-2-D-UNV-DIM <i>Note:</i>	EA	7	0%	7	0.430	\$ 78.00	\$ 33.54	\$ 139.95	\$ 173.49	\$ 1,214.43





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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
279	E101	Symbols For Emergency Light/ E001	Tag A: Emergency Light W/ Battery Pack & Remote Head Manufacturer: Hubbell Compass Catalog No: CU2 Series	EA	1	0%	1	0.385	\$ 78.00	\$ 30.03	\$ 53.08	\$ 83.11	\$ 83.11

SUBTOTAL \$ 111,721

**ELECTRONIC SAFETY AND SECURITY MANUFACTURER**

SMOKE DETECTION SENSOR													
280	M101	Symbol/ M001	Smoke Detector	EA	2	0%	2	0.415	\$ 78.00	\$ 32.37	\$ 58.99	\$ 91.36	\$ 182.72
281		Symbol/ M101	Tag C: Wall Mounted Sensor Manufacturer: Renewaire	EA	5	0%	5	0.380	\$ 78.00	\$ 29.64	\$ 225.63	\$ 255.27	\$ 1,276.35
282			Tag T: Timer To Control ERV Manufacturer: Renewaire	EA	5	0%	5	0.350	\$ 78.00	\$ 27.30	\$ 149.00	\$ 176.30	\$ 881.50
283			Tag L: Sens-A-Coil Leak Detection System Model: S4137R410A	EA	5	0%	5	0.435	\$ 78.00	\$ 33.93	\$ 476.85	\$ 510.78	\$ 2,553.90
284			Tag CI: CO2 Sensor Manufacturer: Honeywell Model: C7232A1008	EA	4	0%	4	0.350	\$ 78.00	\$ 27.30	\$ 99.99	\$ 127.29	\$ 509.16

SUBTOTAL \$ 5,404

**EARTHWORK**

ASPHALT PAVEMENT													
285	D101	Demo Plans	Tag 13: Remove Concrete Slab & Replace W/ Asphaltic Paving	SF	193	5%	203	0.048	\$ 48.00	\$ 2.30	\$ 1.12	\$ 3.42	\$ 693.80
EROSION & SEDIMENT CONTROL													
SILT FENCE													
286	CE-101	CE-502	24" High Woven Silt Fence w/ 36" High Wooden Posts @ 6'-0" O.C.	LF	137	5%	144	0.050	\$ 48.00	\$ 2.40	\$ 1.25	\$ 3.65	\$ 525
TREES PROTECTION FENCE (350 LF)													
287	LF-101	A-6/LF-102	6" H Welded Wire T Fence 14/14 Ga. Galvanized Wire 2'-4" @ Openings w/ Neon Flagging	LF	350	5%	368	0.065	\$ 48.00	\$ 3.12	\$ 3.99	\$ 7.11	\$ 2,613
288			8'-0" H Metal Posts Driven 24" Into Ground @ 10' O.C	EA	35	0%	35	0.380	\$ 48.00	\$ 18.24	\$ 51.22	\$ 69.46	\$ 2,431
289			10" x 12" Weatherproof Signs @ 30'-0" O.C	EA	12	0%	12	0.295	\$ 48.00	\$ 14.16	\$ 22.95	\$ 37.11	\$ 433
7'-10" x 5'-6" AT GRADE INLET PROTECTION (2 EA)													
290	CE-101	CE-502	1/4" Galvanized Hardware Clothes	SF	79	5%	83	0.015	\$ 48.00	\$ 0.72	\$ 1.55	\$ 2.27	\$ 189
291			Non Woven Geotextile	SF	79	5%	83	0.013	\$ 48.00	\$ 0.62	\$ 0.35	\$ 0.97	\$ 81
292			3/4" Thick Stone Layer	SF	79	5%	83	0.045	\$ 48.00	\$ 2.16	\$ 0.98	\$ 3.14	\$ 261
GRADING													
293	CE-101	Plan Notes	Total Cut	CY	12	5%	12	1.100	\$ 48.00	\$ 52.80	\$ -	\$ 52.80	\$ 644
294			Total Fill	CY	6	5%	7	0.780	\$ 48.00	\$ 37.44	\$ -	\$ 37.44	\$ 246
295			Additional/Net Cut Required	CY	5	5%	6	0.000	\$ 48.00	\$ -	\$ -	\$ -	\$ -

SUBTOTAL \$ 8,117

**SITE IMPROVEMENTS**

CURB & GUTTER													
296	CS-101	CS-501	Mountable Curb & Gutter	SF	877	5%	920	0.022	\$ 50.00	\$ 1.10	\$ 3.85	\$ 4.95	\$ 4,556
CONCRETE SIDEWALK													
297	CS-101	CS-501	4" Thick Concrete Sidewalk (9 CY)	CY	9	5%	9	2.880	\$ 50.00	\$ 144.00	\$ 225.00	\$ 369.00	\$ 3,487
298			Expansion Joint @ 6'-0" O.C - 1/2" Perforated Cork, Trimmed & Sealed w/ Non Staining, Two Component Polysulfide ASTM-C(20	LF	127	5%	133	0.012	\$ 50.00	\$ 0.60	\$ 3.28	\$ 3.88	\$ 515
299			8" Thick Depressed Concrete Curb (39SF) <i>Note: Thickness Is Assumed</i>	CY	1	5%	1	2.880	\$ 50.00	\$ 144.00	\$ 225.00	\$ 369.00	\$ 375

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<b>RAMP</b>													
300	CS-101	CS-501	ADA Curb Ramp - Coarse Textured Broom Finish w/ 2" Minimum Border	SF	153	5%	161	0.042	\$ 50.00	\$ 2.10	\$ 2.85	\$ 4.95	\$ 796
<b>CONCRETE PAVEMENT</b>													
301	CS-101	CS-502	5" Thick (4500 PSI Concrete Pavement (322 SF)	CY	5	5%	5	2.850	\$ 50.00	\$ 142.50	\$ 175.00	\$ 317.50	\$ 1,657
302			#4 @16" O.C	LBS	163	5%	171	0.015	\$ 50.00	\$ 0.75	\$ 0.95	\$ 1.70	\$ 290
303			Vapor Barrier	SF	322	5%	338	0.013	\$ 50.00	\$ 0.65	\$ 0.22	\$ 0.87	\$ 294
304			6" (CR-6) Compacted Stone Base	SF	322	5%	338	0.028	\$ 50.00	\$ 1.40	\$ 1.37	\$ 2.77	\$ 937
305			Geo Fabric Mirafi 600x	SF	322	5%	338	0.013	\$ 50.00	\$ 0.65	\$ 0.26	\$ 0.91	\$ 308
<b>PAVEMENT MARKING STRIPS</b>													
306	CS-101	Keynote #2/CS-101	5" Wide Pavement Strip - White	LF	762	5%	800	0.012	\$ 50.00	\$ 0.60	\$ 4.15	\$ 4.75	\$ 3,802
307		Keynote #7/CS-101, CS-502	12" Wide Thermoplastic Crosswalk Strips - Solid White	LF	206	5%	217	0.013	\$ 50.00	\$ 0.65	\$ 7.50	\$ 8.15	\$ 1,766
308		Keynote #1/CS-101, CS-502	4" Wide ADA Symbol Strip - White	LF	19	5%	20	0.012	\$ 50.00	\$ 0.60	\$ 3.50	\$ 4.10	\$ 84
<b>SIGNAGE CONCRETE FOOTING</b>													
309	CS-101	CS-502	12" Dia x 2'-6" H Concrete Footing - (3500 PSI, SHA Mix 3)	CY	0.29	5%	0.31	2.850	\$ 50.00	\$ 142.50	\$ 225.00	\$ 367.50	\$ 112
310			Excavation	CY	1.16	5%	1.2	1.100	\$ 50.00	\$ 55.00	\$ -	\$ 55.00	\$ 67
311			Backfill	CY	1	5%	1	0.780	\$ 50.00	\$ 39.00	\$ -	\$ 39.00	\$ 36
<b>SIGNAGE POST</b>													
312	CS-101	CS-502	3" Dia x 9'-0" H Steel U Post - 1 Coat #769 Dampproof Red Primer - 1 Coat Exterior Flat Black Enamel <i>Note: Dia of Steel Post Is Assumed, Please Verify.</i>	EA	4	0%	4	1.280	\$ 50.00	\$ 64.00	\$ 481.50	\$ 545.50	\$ 2,182
<b>DUMPSTER ENCLOSURE</b>													
313	CS-101	CS-501	Description: Chain Link Fence w/ 16'-0" Wide Gate Standard Height: 6'-0" H Slat Type: Top Lock 2" Slat Width: 1 3/32" Mesh Size: 2" Wire Gauge: 8 Slats Per Bag: 82 Approximate Cover Per Box: 10 LF	LF	63	5%	67	0.062	\$ 50.00	\$ 3.10	\$ 22.25	\$ 25.35	\$ 1,688
<b>LANDSCAPING</b>													
<b>PLANTS</b>													
314	LS-101	1/LS-102	3" Double Shredded Hardwood Mulching @ Shrubs Planting <i>Note: 2'-0" Dia Is Assumed</i>	SF	94	5%	99	0.012	\$ 50.00	\$ 0.60	\$ 2.58	\$ 3.18	\$ 315
315	LS-101		3" Saucer @ Shrubs Planting <i>Note: 2'-0" Dia Is Assumed</i>	SF	94	5%	99	0.010	\$ 50.00	\$ 0.50	\$ 0.10	\$ 0.60	\$ 59
316	LS-101	1/LS-102	3" Double Shredded Hardwood Mulching @ Trees Planting <i>Note: 2'-0" Dia Is Assumed</i>	SF	3	5%	3	0.012	\$ 50.00	\$ 0.60	\$ 2.58	\$ 3.18	\$ 10
317			4" Saucer @ Tree Planting <i>Note: 2'-0" Dia Is Assumed</i>	SF	3	5%	3	0.010	\$ 50.00	\$ 0.50	\$ 0.11	\$ 0.61	\$ 2
<b>TREES</b>													
318	LS-101	Plant Schedule/LS-101	Plan Tag: PH Botanical Name: Pinus Heldreichii Common Name: Bosnian Pine Cont.: B&B Size: 8'-10" H	EA	3	0%	3	1.180	\$ 50.00	\$ 59.00	\$ 286.95	\$ 345.95	\$ 1,038
<b>SHURUBS</b>													

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
 Project ID: 3112023  
 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
319	LS-101	Plant Schedule/LS-101	Plan Tag: AM Botanical Name: Aronia Melanocarpa Morton Common Name: Iroquois Beauty TM Black Chokeberry Cont.: 5 Gal	EA	8	0%	8	0.500	\$ 50.00	\$ 25.00	\$ 71.00	\$ 96.00	\$ 768
320			Plan Tag: CH Botanical Name: Clethra Alnifolia Hummingbird Common Name: Hummingbird Summer sweet Cont.: 5 Gal	EA	7	0%	7	0.500	\$ 50.00	\$ 25.00	\$ 129.00	\$ 154.00	\$ 1,078
321			Plan Tag: HQ Botanical Name: Hydrangea Quercitol Ruby Slippers Common Name: Ruby Slippers Hydrangea Cont.: 5 Gal	EA	5	0%	5	0.500	\$ 50.00	\$ 25.00	\$ 135.00	\$ 160.00	\$ 800
322			Plan Tag: IG Botanical Name: Ilex Glabra Shamrock Common Name: Shamrock Inkberry Holly Cont.: 5 Gal	EA	10	0%	10	0.500	\$ 50.00	\$ 25.00	\$ 55.00	\$ 80.00	\$ 800
<b>GROUND COVERS</b>													
323	LS-101	Plant Schedule/LS-101	Plan Tag: AT Botanical Name: Amsonia Taberna Montana Common Name: Eastern Bluestar Cont.: 1 Gal Size: 24" O.C	EA	31	0%	31	0.380	\$ 50.00	\$ 19.00	\$ 14.95	\$ 33.95	\$ 1,052
324			Plan Tag: AS Botanical Name: Asclepias Tuberosa Common Name: Butterfly Milkweed Cont.: 1 Gal Size: 18" O.C	EA	34	0%	34	0.400	\$ 50.00	\$ 20.00	\$ 11.99	\$ 31.99	\$ 1,088
325			Plan Tag: RH Botanical Name: Rudbeckia Hirta Common Name: Black Eyed Susan Cont.: 1 Gal Size: 18" O.C	EA	34	0%	34	0.400	\$ 50.00	\$ 20.00	\$ 14.00	\$ 34.00	\$ 1,156
326			Plan Tag: TS Botanical Name: Turf SOD Common Name: Drought Tolerant Fescue Blend Cont.: SOD	SF	938	5%	985	0.025	\$ 50.00	\$ 1.25	\$ 1.17	\$ 2.42	\$ 2,383

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: CAS Rockville Welcome Center, 14645 Rothgeb Drive Rockville, MD 20850  
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 Scope: G.C



Date: 05/15/24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>MISC.</b>													
327	CS-101	CS-502	7'-0" L x 10" W Concrete Wheel Stop	EA	1	0%	1	0.685	\$ 50.00	\$ 34.25	\$ 234.50	\$ 268.75	\$ 269
328	CS-101	Keynote #1/CS-501	(27 1/2" W x 32" H) Bicycle Rack - 1 5/8" Steel Tube, 1/4" Thick Mounting Plate & 7/16" Mounting Holes	EA	3	0%	3	0.750	\$ 50.00	\$ 37.50	\$ 230.00	\$ 267.50	\$ 803
329	E102		4" Dia x 4'-0" H Steel Pipe Concrete Filled Bollards Around Transformer <b>Paint: Yellow</b>	EA	8	0%	8	1.150	\$ 50.00	\$ 57.50	\$ 521.54	\$ 579.04	\$ 4,632
												<b>SUBTOTAL \$ 39,205</b>	
												<b>PROJECTED COST</b>	
<b>OVERHEAD AND PROFIT</b>												10%	\$92,047
<b>INSURANCE</b>												3%	\$27,661
<b>CONTINGENCY</b>												5%	\$46,102
<b>TAX</b>												6%	\$35,605
<b>SUGGESTED BID</b>												<b>\$1,123,620</b>	

