

MATERIAL TAKEOFF AND COST ESTIMATE

K116 EXTERIOR MASONRY AND FLOOD ELIMINATION

515 KNICKERBOCKER AVENUE BROOKLYN, NY 11237



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 QTO # Y25-P3003
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SR.	DRAWING	DETAIL	CSI NO	DESCRIPTION	QTY.	WASTE	TOTAL QTY.	UNIT	UNIT PRICE	TOTAL PRICE
			01000	DIVISION 01 - GENERAL REQUIREMENTS						
1				MOBILIZATION & DEMOBILIZATION	1	0%	1	LS	\$0	\$0
2				BONDS & INSURANCE (G01740)	1	0%	1	LS	\$0	\$0
3				PROJECT SUPERVISION & PROJECT MANAGEMENT	1	0%	1	LS	\$0	\$0
4				SUBMITTALS, SAMPLES, SHOP DRAWINGS, ETC. (S01300)	1	0%	1	LS	\$0	\$0
5				PROJECT SCHEDULE (S01312)	1	0%	1	LS	\$0	\$0
6				TEMPORARY FACILITIES & CONTROLS (S01500) - Authority's Field Office - Contractor's Field Office	1	0%	1	LS	\$0	\$0
7				OFFICE OVERHEADS	1	0%	1	LS	\$0	\$0
8				SAFETY PROGRAM (SITE SAFETY PLAN) (S01535)	1	0%	1	LS	\$0	\$0
9				CLOSEOUT PROCEDURES (G01700)	1	0%	1	LS	\$0	\$0
10				PERMITS (S01060)	1	0%	1	LS	\$0	\$0
11	A200-203	General notes 20 @ T003		PIPE SCAFFOLDING w/ Debris netting Note: Pipe scaffolding is provided at all Elevations for full height of Elevations	39400	0%	39400	SF	\$0	\$0
12	R001			SIDEWALK BRIDGE Note: Sidewalk shed is provided around the perimeter of building at all paved areas. Final extent will be determined after approved Site Safety Plan	600	0%	600	LF	\$0	\$0
13	R001	See legend		OVERHEAD SHED PROTECTION	3400	0%	3400	SF	\$0	\$0
14	R001	See legend		ROOF PROTECTION	1210	0%	1210	SF	\$0	\$0
15		See Phasing Exhibit		(1) SECURITY GUARD - Weekdays (16 Hr./Day) = 500 Days - Weekends (24Hr/Day) = 200 Days (Total Performance Period = 730 Days, Excluded 30 days for NTP)	12800	0%	12800	HRS	\$0	\$0
16		See Phasing Exhibit		CUSTODIAL PERMIT (8Hr/Week days) = 415 Days (Total Performance Period = 730 Days, Excluded days for submittals and samples = 150 Days)	3320	0%	3320	HRS	\$0	\$0
				Temporary work						
17	EG001-003	See legend		Temporary chain-link fence - Phase 2 : 337 LF - Phase 3A : 81 LF - Phase 3B : 156 LF	1	0%	1	LS	\$0	\$0
18	EG001-002	See legend		Temporary (42"Wx2'H) Etched zinc, Not an exit sign - Phase 3A : 10 EA - Phase 3B : 10 EA	1	0%	1	LS	\$0	\$0
19	EG001	See legend		Temporary exit sign	1	0%	1	EA	\$0	\$0
					Subtotal					
			02000	DIVISION 2 - SITEWORK						
			02070	SELECTIVE REMOVALS & DEMOLITION						
20	C101			Remove (12"Thk.) concrete pavement at playground	2450	0%	2450	SF	\$0	\$0
21	C101			Remove (24"Thk.) concrete pavement at playground	5580	0%	5580	SF	\$0	\$0
22	C101			Saw cut asphalt pavement	86	0%	86	LF	\$0	\$0
23				Remove asphalt pavement at Knickerbocker Avenue	238	0%	238	SF	\$0	\$0
24	C101			Saw cut concrete sidewalk	60	0%	60	LF	\$0	\$0
25				Remove concrete sidewalk	1135	0%	1135	SF	\$0	\$0
26	C101			Saw cut (2 LOC) and remove (6"Thk.) steel faced concrete curb	80	0%	80	LF	\$0	\$0
27	C104			Remove (8") PVC roof drain and backfill	26	0%	26	LF	\$0	\$0
28	C104			Remove (8") steel roof drain and backfill	62	0%	62	LF	\$0	\$0
29	C104			Remove (36") HDPE storm drain and backfill	70	0%	70	LF	\$0	\$0
30	C104			Remove (8'Deep) precast concrete storm drain catch basin	1	0%	1	EA	\$0	\$0
31	A030	Keynote SD02		Remove rubber mat surface at play area	1116	0%	1116	SF	\$0	\$0

86			Assumed ACM	Chimney Flashing Location: Main roof	136	0%	136	SF	\$0	\$0
87			Assumed ACM	Chimney Coating Location: Main roof	768	0%	768	SF	\$0	\$0
88			Assumed ACM	Concealed Caulking/Insulation Associated with Metal Cornice and Sill Location: Lower Roof North	120	0%	120	SF	\$0	\$0
89			Assumed ACM	Concealed Caulking/Insulation Associated with Metal Cornice and Sill Location: Lower Roof South	100	0%	100	SF	\$0	\$0
90			Assumed ACM	Cap Flashing Location: Lower Roof South	20	0%	20	SF	\$0	\$0
91			Assumed ACM	Roof Flashing Associated with Roof Hatch Location: Lower Roof South	10	0%	10	SF	\$0	\$0
92			Assumed ACM	Pipe Insulation Associated with Storm Sewer Pipe and Leader Pipe Location: Exterior North Elevation	156	0%	156	LF	\$0	\$0
93			ACM	Ceiling Plaster Location: Interior Room 105, 106, 107, 401, 407, 410, attic space	226	0%	226	SF	\$0	\$0
94			ACM	Ceiling Plaster Debris on Top of Suspended Ceiling Tiles Location: 4th Floor	340	0%	340	SF	\$0	\$0
95			ACM	Ceiling/Beams Plaster Location: Interior Basement Storage Room	800	0%	800	SF	\$0	\$0
96			Assumed ACM	Concealed Tar/ Coating Associated with Existing Sanitary Drain Piping Location: Interior Basement Girl's, Boy's Bathrooms, Kitchen, Boiler Room, Utility Room	100	0%	100	SF	\$0	\$0
97			ACM	Pipe Insulation Debris, Plaster Debris on Top of Metal Ceiling tile Location: Interior Basement Kitchen, Corridor	20	0%	20	SF	\$0	\$0
98			ACM	Ash Hoist Starter (Black) Type I, II Location: Interior Basement Storage Room Starter Panel	2	0%	2	SF	\$0	\$0
				Provisional Item:						
99			ACM	Wall Plaster Location: Interior	1100	0%	1100	SF	\$0	\$0
			ACM	Ceiling Plaster Location: Interior						
100			ACM	Ceiling Plaster Location: Room 105 Classroom, Room 107 Classroom, Room 106 Principal Office, Room 401 Classroom, Room 407 Classroom, Room 410 Classroom, Attic space	2180	0%	2180	SF	\$0	\$0
				02082 PCB-CONTAINING CAULK REMOVAL WORK						
101		Spec 02082 pg. # 45	Assumed PCB	Concealed Caulking/Insulation Associated with Metal Cornice and Sill Location: Main Roof	200	0%	200	SF	\$0	\$0
				Subtotal (Asbestos & PCB)						
				02085 EXTERIOR PAINT REMOVAL						
				RFI: Refer to specification section 02085 table at page 20 is stating LBP at door lintel at north elevation. However, there is no door shown on north elevation per dwg A201. please clarify?						
				02090 ENVIRONMENTAL MANAGEMENT OF EXCAVATED MATERIAL AND FILL/BACKFILL						
102		See specs		Collection and analysis of samples of excavated material	1	0%	1	LS	\$0	\$0
		See spec section 02090		Assume that the excavated material is non-hazardous If the excavated material is confirmed to be petroleum-contaminated or hazardous waste, reimbursement of payment for transportation and disposal of such material will be made utilizing the authority's change order process.						
				02100 SITE PREPARATION						
103	C103	11/C502		Inlet protection	8	0%	8	EA	\$0	\$0
104	C103	24/C503		Stabilized construction entrance	1200	0%	1200	SF	\$0	\$0
105	C103	15/C502		Silt fence	618	0%	618	LF	\$0	\$0
106	C103	19/C503		Construction fence	462	0%	462	LF	\$0	\$0
107	C103	18/C503		(24'Wx8'H) Construction fence double gate incl. signage	1	0%	1	EA	\$0	\$0
108	C103			Privacy fabric over existing (10'H) chain link fence	160	0%	160	LF	\$0	\$0
109				Plastic cover sheet over temporary soil stockpile	6250	0%	6250	SF	\$0	\$0
110	C103	21/C503		Silt fence around temporary soil stockpile	200	0%	200	LF	\$0	\$0
				02200 EARTHWORK						
111				Excavation for foundation waterproofing @ 20% fluff factor	1045	0%	1045	CY	\$0	\$0
112				Backfill @ 20% fluff factor	1045	0%	1045	CY	\$0	\$0
113	A100	A051		Sheeting and shoring - 5'Deep	380	0%	380	SF	\$0	\$0
114		A052		Sheeting and shoring - 9'6"Deep	3875	0%	3875	SF	\$0	\$0
115		27/C504		Sheeting and shoring - 10'6"Deep	612	0%	612	SF	\$0	\$0
116				Trenching for storm drain piping @ 20% fluff factor	150	0%	150	CY	\$0	\$0
117				Backfill trench w/ selective structural soil fill @ 20% fluff factor	75	0%	75	CY	\$0	\$0
118	C105	1/C506		Backfill trench w/ aggregate fill	60	0%	60	CY	\$0	\$0
119				Sheeting and shoring for (36") HDPE pipe	1038	0%	1038	SF	\$0	\$0
120	C102			Regrade to achieve proposed grade - Mild Grading	10600	0%	10600	SF	\$0	\$0
				02511 ASPHALTIC CONCRETE PAVING						

Spec 02081
pg. # 92-111

121	C102	Keynote SC01 5/C501		Asphalt Pavement at Playground: - (1-1/2"Thk.) Asphaltic wearing course - (4"Thk.) Asphaltic binder course - (6"Thk.) Compacted aggregate base - Compact subgrade	8018	0%	8018	SF	\$0	\$0
122	C102	30/C504		Asphalt Pavement at Knickerbocker Avenue: - (1-1/2"Thk.) Asphaltic top course - Type 6F RA - (1-1/2"Thk.) Asphaltic binder course - Type 6F RA - (6"Thk.) Concrete base - Compact subgrade	238	0%	238	SF	\$0	\$0
123	C102	31/C504		Asphalt Pavement Key at Knickerbocker Avenue: - (1-1/2"Thk.) Asphaltic top course - Type 6F RA - (1-1/2"Thk.) Asphaltic binder course - Type 6F RA - Tack coat	86	0%	86	SF	\$0	\$0
				02513 SIDEWALK AND STREET PAVING						
124	C102	4/C501		Concrete Sidewalk Pavement: - (4"Thk.) Concrete pavement - (6"Thk.) Compacted aggregate base - Compact subgrade	288	0%	288	SF	\$0	\$0
125	C102	2/A051		(4"Thk.) Concrete sidewalk slab over vault slab	1060	0%	1060	SF	\$0	\$0
				02521 CONCRETE CURBS AND PAVEMENTS						
126	C102	26/C504		(Max. 8"Thk.x18"H) Precast concrete steel faced curb	80	0%	80	LF	\$0	\$0
				02580 TRACK/ COURT/ PLAYGROUND MARKINGS						
				Play Markings Painted over Asphalt Pavement:						
127	A035	Keynote SC16		(15"Dia.) Game	1	0%	1	EA	\$0	\$0
128				(8'x8') Game	1	0%	1	EA	\$0	\$0
129				(8'x8') Game	1	0%	1	EA	\$0	\$0
130				(4'x10') Game	1	0%	1	EA	\$0	\$0
131				(4'x16') Game	1	0%	1	EA	\$0	\$0
132				(10'9"x24'9") Game	1	0%	1	EA	\$0	\$0
133				(4"W) Striping	935	0%	935	LF	\$0	\$0
134				(1'6"H) Painted letter - "FINISH"	6	0%	6	EA	\$0	\$0
135				(1'6"H) Painted letter - "START"	5	0%	5	EA	\$0	\$0
136				(1'6"H) Painted numeric - "12345"	10	0%	10	EA	\$0	\$0
137				(1'8"H) Painted triangle - "△"	5	0%	5	EA	\$0	\$0
138				Athletic wearing surface coating	2185	0%	2185	SF	\$0	\$0
139				(Max. 1'x1') Star "★"	3	0%	3	EA	\$0	\$0
140				(Max. 2'x2') Star "★"	3	0%	3	EA	\$0	\$0
141	(Max. 3'x3') Star "★"	4	0%	4	EA	\$0	\$0			
				02722 PRECAST CONCRETE CATCH BASINS						
142	C105	2/C506		(48"x22"x7"Deep) Precast concrete type A storm drain inlet	1	0%	1	EA	\$0	\$0
				02723 STORM DRAINAGE SYSTEMS						
143	C105			(8") Ductile iron roof drain pipe	86	0%	86	LF	\$0	\$0
144	C105			(36") HDPE storm drain pipe	68	0%	68	LF	\$0	\$0
145	C105	6/C507		Cut existing roof leader pipe, furnish and install coupling	8	0%	8	EA	\$0	\$0
146	C105	5/C506		Reset frame & grate of existing storm structures to match new grades	7	0%	7	EA	\$0	\$0
147	C105	3/C506		Install hood over existing outflow pipe within existing catch basin	1	0%	1	EA	\$0	\$0
				02831 CHAIN LINK FENCES AND GATES						
148	A035	Keynote SC19 1,2/A053		(10'H) Chain link fence incl. - (4'Wx7'H) C.L.F single gate - 2 EA - (8'6"Wx7'H) C.L.F double gate - 2 EA	268	0%	268	LF	\$0	\$0
149				(1'4"Thk.x1'10") Reinforced concrete curb incl. post footing	31.8	0%	31.8	CY	\$0	\$0
				02860 EARLY CHILDHOOD PLAYGROUND EQUIPMENT						
150	A036	1/A036		Play Equipment - 5 - 12 Years	1	0%	1	EA	\$0	\$0
151	A035	6/A053		(2-3/4"Thk.) Rubber safety matt surface	1120	0%	1120	SF	\$0	\$0
				02870 SITE AND STREET FURNISHINGS						
152	A035	Keynote SC09 4/A053		(1'8"Wx8'L) Steel bench Manf. & Model: Tendertuff Bench ; 882-0625	6	0%	6	EA	\$0	\$0
153				Concrete footing for bench posts	0.65	0%	0.65	CY	\$0	\$0
154	A035	Keynote SC08		(8'Wx10'Lx8'6"H) Prefabricated metal shed	1	0%	1	EA	\$0	\$0
155	A030	Keynote SD23		Remove, store, clean and reinstall (48"H) flagpole	1	0%	1	EA	\$0	\$0
156	A035	Keynote SC24 3/A053		Reinforced concrete footing for flagpole	2	0%	2	CY	\$0	\$0
157	A030	Keynote SD10		Remove, store, clean and reinstall bump street post sign	1	0%	1	EA	\$0	\$0
158	A030	Keynote SD11		Remove, store, clean and reinstall school monument digital sign	1	0%	1	EA	\$0	\$0
159	A035	Keynote SC11 5/S500		Reinforced concrete footing for sign	2.35	0%	2.35	CY	\$0	\$0
160	A030 A035	Keynote SD12 Keynote SC12		Remove, store, clean and reinstall (2'x4') planter	2	0%	2	EA	\$0	\$0
161	A030	Keynote SD22 Keynote SC23		Remove, store, clean and reinstall bike rack	1	0%	1	EA	\$0	\$0
162	A030 A035	Keynote SD25 Keynote SC26		Remove, store, clean and reinstall (6'Dia.) tree grate	3	0%	3	EA	\$0	\$0
				02900 LANDSCAPING						

163				SOD	925	0%	925	SF	\$0	\$0
164	C102	2/C501		(8"Thk.) Topsoil - 925 SF	26	0%	26	CY	\$0	\$0
165				Tree	1	0%	1	EA	\$0	\$0
166				(3"Thk.) Mulch	25	0%	25	SF	\$0	\$0
167	C102	20,23/C503		(24"Thk.) Organic / Topsoil	2	0%	2	CY	\$0	\$0
168				(1/4"Thk., 6"H) Galvanized steel edging	15	0%	15	LF	\$0	\$0
169	A035	Keynote SC26		Pavers around tree pid	24	0%	24	SF	\$0	\$0
				Subtotal (Site work)						
			03000	DIVISION 03 - CONCRETE						
			03300	CAST IN PLACE CONCRETE						
				SOG Replacement for U.G Sanitary Piping:						
170				Saw cut (6"Thk.) concrete slab on grade	695	0%	695	LF	\$0	\$0
171				Remove (6"Thk.) concrete slab on grade incl. (6"Thk.) stone base	542	0%	542	SF	\$0	\$0
172	S100	3/S100		Slab-on-Grade: - (6"Thk.) WWF & Rebar reinf. Concrete slab - (15MIL.) Vapor barrier - (6"Thk.) Compacted aggregate base - Compact subgrade	495	0%	495	SF	\$0	\$0
173				(3/4"Thk.x6"Deep) Expansion joint filler b/w new & existing concrete	695	0%	695	LF	\$0	\$0
174				Trench excavation @ 20% fluff factor	20	0%	20	CY	\$0	\$0
175				Backfill trench w/ compacted stone	18	0%	18	CY	\$0	\$0
176				Sewage Ejector Pit:						
177				(12"Thk.) Reinforced concrete wall	4.5	0%	4.5	CY	\$0	\$0
178				(12"Thk.) Reinforced concrete slab	1.8	0%	1.8	CY	\$0	\$0
179	S100	2/S100		(6"Thk.) Compacted aggregate base	2.8	0%	2.8	CY	\$0	\$0
180				Trench shield / Shoring system / Formwork	182	0%	182	SF	\$0	\$0
				Compact subgrade	56	0%	56	SF	\$0	\$0
			03733	CONCRETE REPAIR WORK						
181	S101	3/S500		Steel beam bottom flange repair	9.5	0%	9.5	LF	\$0	\$0
182	S101	4/S500		Steel beam bottom flange and web repair	3	0%	3	LF	\$0	\$0
183	S101	1/S500		Overhead concrete deck spall repair	1	0%	1	SF	\$0	\$0
184	S101	Keynote R06 2/A500		Remove and replace reinforced concrete beam encasement - 1.2 CY - Clean and paint exposed steel beam	70	0%	70	LF	\$0	\$0
185	A065, A100	Keynote D10, 10		Stabilize concrete housekeeping pad and equipment at slab work	220	0%	220	SF	\$0	\$0
186				Repair crack and spall at (8"H) stone window head	259	0%	259	LF	\$0	\$0
187				Repair crack and spall at (6"H) stone window sill	28	0%	28	LF	\$0	\$0
188				Repair crack and spall at (10"H) stone window sill	34	0%	34	LF	\$0	\$0
189				Repair crack and spall at (7"H) profiled stone band level 02	20	0%	20	LF	\$0	\$0
190				Repair crack and spall at (11"H) profiled stone band level 02	111	0%	111	LF	\$0	\$0
191	A200-203	Keynote E02 7/A410		Repair crack and spall at (23"H) profiled stone band level 02	42	0%	42	LF	\$0	\$0
192				Repair crack and spall at (20"H) stone band level 04	2	0%	2	LF	\$0	\$0
193				Repair crack and spall at (26"H) stone band level 02	2	0%	2	LF	\$0	\$0
194				Repair crack and spall at (16"H) stone band level 01	99	0%	99	LF	\$0	\$0
195				Repair crack and spall at (15"H) stone band level 01	83	0%	83	LF	\$0	\$0
196				Repair crack and spall at (3'5"Hx 1'4"W) portion of stone band level 02	2	0%	2	LOC	\$0	\$0
				Subtotal						
			04000	DIVISION 4 - MASONRY						
			04510	MASONRY CLEANING						
197	A065, A100	General Note 4		Remove efflorescence over interior brick masonry using bristle brush	6010	0%	6010	SF	\$0	\$0
			04520	MASONRY RESTORATION						
198	A065, A100	Keynote D3, C3 6/A410		Rake out (Min. 3/4"Deep), clean and repoint interior face brick	3930	0%	3930	SF	\$0	\$0
199				Rake out (Min. 1-1/4"Deep), clean and repoint interior face brick	436	0%	436	SF	\$0	\$0
200	A061-065 A200-203	Keynote ED01, E01, 6/A410		Remove coating, rake out (Min. 3/4"Deep), clean and repoint exterior face brick	3730	0%	3730	SF	\$0	\$0
201				Remove coating, rake out (Min. 1-1/4"Deep), clean and repoint exterior face brick	415	0%	415	SF	\$0	\$0
202	A065, A100	Keynote D4, D5 Keynote C4, C5 5/A410		Interior Face Brick Replacement: - Remove and replace face brick incl. ties - Fill voids in backup w/ mortar as required	1645	0%	1645	SF	\$0	\$0
203	A061-064 A200-203	Keynote ED02 Keynote E03 5/A410		Exterior Face Brick Replacement: - Remove and replace face brick incl. ties & anchors - Fill voids in backup w/ mortar as required Note: Match size, shape, pattern and color of existing bricks	645	0%	645	SF	\$0	\$0
204	A200-203	Keynote E14		Brick stitching at façade	240	0%	240	LF	\$0	\$0
205	A200-203	Keynote E17,20		Repair brick at duct penetration as required	4	0%	4	LOC	\$0	\$0
			04720	CAST STONE						
206				Remove and replace (6"Thk.x10"H) Stone base	142	0%	142	LF	\$0	\$0
207				Remove and replace (6"Thk.x13"H) Stone base	152	0%	152	LF	\$0	\$0

208				Remove and replace (6"Thk.x15"H) Stone base	142	0%	142	LF	\$0	\$0
209	A100	A051		Remove and replace two (2) courses of face brick	362	0%	362	LF	\$0	\$0
210		A052		Remove and replace (10") Sheet metal drip edge flashing	362	0%	362	LF	\$0	\$0
211				Remove and replace (12") Sheet metal drip edge flashing	362	0%	362	LF	\$0	\$0
212				Remove and replace (15") Sheet metal drip edge flashing	72	0%	72	LF	\$0	\$0
				Subtotal						
			05000	DIVISION 5 - METALS						
			05500	METAL FABRICATIONS						
213	A101	Keynote C13 1/A450		Remove and replace (2'4"Wx7'11"H) painted hot-dip galvanized steel roof access ladder	2	0%	2	EA	\$0	\$0
214	A065, A100	Keynote D6, C6		Remove, salvage, clean and reinstall (4'6"Wx5'6"L) metal stair	1	0%	1	EA	\$0	\$0
			05700	ORNAMENTAL METAL						
215				(6'H) Wrought iron fence	95	0%	95	LF	\$0	\$0
216				(3'6"Wx6'H) Wrought iron fence single gate	2	0%	2	EA	\$0	\$0
217				(8'6"Wx6'H) Wrought iron fence double gate	1	0%	1	EA	\$0	\$0
218	A035	A055 A056 14/C502		(16"Thk.x20"H) Reinf. concrete curb for W.I.F fence incl. post footing	8.65	0%	8.65	CY	\$0	\$0
219				(12"Thk.) Compacted aggregate base	7.85	0%	7.85	CY	\$0	\$0
220				Compact subgrade	195	0%	195	SF	\$0	\$0
				Subtotal						
			06000	DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES						
			06100	ROUGH CARPENTRY						
221				Misc. rough carpentry	1	0%	1	LS	\$0	\$0
				Subtotal						
			07000	DIVISION 07 - THERMAL & MOISTURE PROTECTION						
222	A101	5/A450		Remove and replace roofing as required to facilitate ladder attached metal to wood deck (Assume 1-2 SF per location) - 24 OZ Lead coated copper sheet metal - Roofing felt - (3/4") Exterior Grade plywood - (2") Permacal nailboard	4	0%	4	LOC	\$0	\$0
			07113	POLYMER MODIFIED CEMENT WATERPROOFING						
				Rubble Foundation Wall Repair (Interior):						
223				Remove loose mortar as required and remove loose paint / coating	780	0%	780	SF	\$0	\$0
224	A065, A100	Keynote D8, 21 Keynote C8, 21 2/A051		(1/2"Thk.) Mortar parge existing rubble wall	780	0%	780	SF	\$0	\$0
225				Flexible cementitious waterproofing	575	0%	575	SF	\$0	\$0
226				Prepare , prime and paint wall using exterior grade paint	780	0%	780	SF	\$0	\$0
			07115	SHEET MEMBRANE WATERPROOFING FOR FOUNDATIONS						
				Foundation Waterproofing:						
227				Remove existing waterproofing membrane	4465	0%	4465	SF	\$0	\$0
228				Patch / repair as required and prepare concrete foundation wall / slab	5860	0%	5860	SF	\$0	\$0
229				Patch / repair as required and prepare rubble foundation wall	506	0%	506	SF	\$0	\$0
230	A100	A051 A052		(1/2"Thk.) Drainage composite board	4825	0%	4825	SF	\$0	\$0
231				(2"Thk.) Rigid insulation	3740	0%	3740	SF	\$0	\$0
232				(1"Thk.) Rigid insulation	1125	0%	1125	SF	\$0	\$0
233				Waterproofing membrane	8235	0%	8235	SF	\$0	\$0
			07270	FIRESTOPPING/SMOKE SEALS						
234				Misc. fire stopping / smoke seals	1	0%	1	LS	\$0	\$0
			07600	FLASHING AND SHEET METAL						
235	A201-203	Keynote E19		Provide metal sill and ornamental frieze to match existing	46	0%	46	LF	\$0	\$0
236	A101	5/A430		20 OZ Lead coated copper base flashing with PT cantt strip	16	0%	16	LF	\$0	\$0
237				Remove and replicate (1'8"H) portion of decorative metal cornice (4 LOC) Note: Caulking/insulation associated w/ metal cornice and sill is under ACM	59	0%	59	LF	\$0	\$0
238	A061-064 A200-203	Keynote ED05 Keynote E06		Remove and replicate (2'9"H) portion of decorative metal cornice (5 LOC) Note: Caulking/insulation associated w/ metal cornice and sill is under ACM	84	0%	84	LF	\$0	\$0
239				Remove and replicate (1'11"H) portion of decorative metal cornice (1 LOC) Note: Caulking/insulation associated w/ metal cornice and sill is under ACM	13	0%	13	LF	\$0	\$0
240	A061-064 A200-203	Keynote ED06 Keynote E07 2/A450		Remove and replace (4"dia., 20 OZ) painted copper leader w/ historic profile (8 LOC)	525	0%	525	LF	\$0	\$0
241	A061-064 A200-203	Keynote ED07 Keynote E08 8/A410		Cut reglet and install (26 GA) Spring tight reglet cap flashing Note: Chimney cap flashing removal is under ACM	68	0%	68	LF	\$0	\$0
242				Remove cap flashing, Cut reglet and install (26 GA) Spring tight reglet cap flashing	87	0%	87	LF	\$0	\$0

243	A101	5/A450		Roof Ladder Pitch Pocket : - (9") 16 OZ lead coated copper pitch pocket - Non-shrink grout - (3" Dia., 1/8") Galv. Steel sleeve - (4 1/2" x 4 1/2" x 1/4") Hot dip galv. Steel plate - Sealant around sleeve	4	0%	4	EA	\$0	\$0
				07720 ROOF ACCESSORIES						
244	A101	Keynote C12 5/A430		Remove and replace (46"x46") Aluminum roof access hatch w/ integral railing and cap flashing Note: Flashing removal is under ACM	1	0%	1	EA	\$0	\$0
				07900 JOINT SEALERS						
245	A061-064 A200-203	Keynote ED08 Keynote E11		Remove and replace sealant and mortar around all window/doors	5435	0%	5435	LF	\$0	\$0
246	A100	A051, A052		Expansion joint b/w pavement & building - EJ	458	0%	458	LF	\$0	\$0
247				Misc. joint sealant	1	0%	1	LS	\$0	\$0
				Subtotal						
				08000 DIVISION 8 - DOORS AND WINDOWS						
				08662 SECURITY SCREENS/BARRIERS						
248	A062	Keynote E09,11		Remove and replace metal cage at façade ducts (4 LOC)	435	0%	435	SF	\$0	\$0
249	A201	Keynote E13,16		Remove and replace metal cage at condensing unit (1 LOC)	45	0%	45	SF	\$0	\$0
				Subtotal						
				09000 DIVISION 9 - FINISHES						
250	A100			Remove and replace VCT flooring at cafeteria corridor	388	0%	388	SF	\$0	\$0
				09210 PLASTER						
251	A801 - A803	Keynote R02 3/A810		Remove and replace hung plaster ceiling incl. suspension system	198	0%	198	SF	\$0	\$0
252	A801 - A803	Keynote R02 2/A810		Remove and replace three (3) coat gypsum wall plaster incl. metal lath	1398	0%	1398	SF	\$0	\$0
253	A100	2,4/A051		(1/2"Thk.) Mortar parge over rubble masonry foundation wall	560	0%	560	SF	\$0	\$0
254	A801	Keynote R04		(3HR) Fire caulking at ceiling plumbing penetration	2	0%	2	EA	\$0	\$0
				09260 GYPSUM BOARD ASSEMBLIES						
255	A100	Keynote C20 7/A810		2HR., Type S2B Chase Wall Infill: - 1 Layer, 5/8"Thk. A & I GWB on facing side - 1 Layer, 5/8"Thk. M & M GWB on concealed side - 1 Layer, 1"Thk. Gypsum liner panel on other side - 4"Thk., 25GA CH studs @ 24" o.c - 3"Thk. Fiber blanket insulation - Acoustic sealant at top and bottom both sides	48	0%	48	SF	\$0	\$0
				09310 CERAMIC TILE						
256	A065, A100	Keynote D7, C7		Remove and replace ceramic floor tile assembly	335	0%	335	SF	\$0	\$0
257				Remove and replace glazed ceramic wall tile assembly	730	0%	730	SF	\$0	\$0
258	A100			Remove and replace tile flooring at kitchen	125	0%	125	SF	\$0	\$0
259	A065, A100	Keynote D20, 20		Remove replace glazed ceramic wall tile assembly at Kitchen	68	0%	68	SF	\$0	\$0
				09510 ACOUSTICAL CEILINGS						
260	A802	Keynote R01 1/A810		Remove and replace ACT ceiling tile Note: Ceiling grid and supports to remain	294	0%	294	SF	\$0	\$0
261	A800	Keynote R05 1/A810		Remove and replace metal panel ceiling for mechanical work Note: Ceiling grid and supports to remain	114	0%	114	SF	\$0	\$0
				09675 FLUID-APPLIED EQUIPMENT ROOM FLOORING						
262	A100			Fluid applied equipment room flooring at boiler / utility room	620	0%	620	SF	\$0	\$0
263	A100			Fluid applied equipment room flooring at vault room 935	935	0%	935	SF	\$0	\$0
				09860 GRAFFITI RESISTANT COATINGS						
				RFI: Specification section "09860 - GRAFFITI RESISTANT COATINGS" is given. However, related scope of work is not shown anywhere on dwgs. Please mark extent on dwgs or provide quantity for bidding purposes?						
				09900 PAINTING						
264	A801 - A803	Keynote R02		Patch as required, prepare, prime and paint plaster ceiling	2350	0%	2350	SF	\$0	\$0
265				Patch as required, prepare, prime and paint plaster wall	3398	0%	3398	SF	\$0	\$0
266	A802	Keynote R03		Remove and replace window casing to match existing	1	0%	1	EA	\$0	\$0
267	A801 - A803	Finish Note 3		Remove and replace wood base molding to match existing	95	0%	95	LF	\$0	\$0
268	A061-064 A200-203	Keynote ED03 Keynote E04 A921		Remove, machine tool clean rust, repaint and reinstall exterior window guard (35 EA)	920	0%	920	SF	\$0	\$0
269				Remove and replace damaged brick affected by window guard work	420	0%	420	Bricks	\$0	\$0
270	A101	Keynote C15		Prepare and paint (4") pipe at roof (2 LOC)	77	0%	77	LF	\$0	\$0
271	A200-203	Keynote E10		Scrape, repair, patch and paint metal cornice and ornament	4445	0%	4445	SF	\$0	\$0
				09960 HIGH PERFORMANCE COATINGS						
272	A065, A100	Keynote D1, C2		Remove loose paint / coating, prepare, prime and paint masonry wall using vapor permeable exterior grade paint	6010	0%	6010	SF	\$0	\$0
273	A800			Prepare , prime and paint concrete ceiling at vault room	962	0%	962	SF	\$0	\$0
274	A200-203	Keynote E09		Prepare and apply vapor permeable coating at façade	25060	0%	25060	SF	\$0	\$0

319				4" P-trap	2	0%	2	EA	\$0	\$0
				Subtotal						
				DIVISION 15 - MECHANICAL HEATING, VENTILATING AND AIR CONDITIONING						
				15502 HVAC IDENTIFICATION						
320				HVAC identification	1	0%	1	LS	\$0	\$0
				15510 HVAC PIPING						
321	M100	Pipe material schedule /M003		3/8" refrigerant liquid pipe (type ACR copper)	32	0%	32	LF	\$0	\$0
322				5/8" refrigerant suction pipe (type ACR copper)	32	0%	32	LF	\$0	\$0
323				3/4" condensate drain pipe (type L copper)	11	0%	11	LF	\$0	\$0
				15512 PIPING INSULATION (HVAC)						
324	M100	Pipe insulation schedule /M003		1" thick insulation for 3/8" refrigerant liquid pipe	32	0%	32	LF	\$0	\$0
325				1" thick insulation for 5/8" refrigerant suction pipe	32	0%	32	LF	\$0	\$0
326				1" thick insulation for 3/4" condensate drain pipe	11	0%	11	LF	\$0	\$0
				15514 DUCTWORK INSULATION						
327	M100	M001		Insulation for kitchen exhaust duct	119	0%	119	SF	\$0	\$0
328				Insulation for outside air duct	472	0%	472	SF	\$0	\$0
329				Duct weather jacketing for 16"x12" exhaust duct	24	0%	24	LF	\$0	\$0
330				Duct weather jacketing for 16"x16" exhaust duct	19	0%	19	LF	\$0	\$0
331				Duct weather jacketing for 18"x12" outside air duct	39	0%	39	LF	\$0	\$0
332				Duct weather jacketing for 24"x12" outside air duct	40	0%	40	LF	\$0	\$0
				15783 SPLIT AIR CONDITIONING SYSTEMS						
333	M100	Schedules/M003		ACCU-I, air cooled condensing unit, and associated accessories as required <i>Manufacturer: MITSUBISHI #PUY-AH30NL</i>	1	0%	1	EA	\$0	\$0
334		Schedules/M003		ACU-I, indoor AC unit, and associated accessories as required <i>Manufacturer: MITSUBISHI #PKA-AK30NL</i>	1	0%	1	EA	\$0	\$0
				15891 METAL DUCTWORK						
335	M100, M101	M002		16"x12" exhaust duct (galvanized steel, 22 ga. assumed) - 27 LF	176	0%	176	LBS	\$0	\$0
336				16"x16" exhaust duct (galvanized steel, 22 ga. assumed) - 22 LF	168	0%	168	LBS	\$0	\$0
337				18"x12" outside air duct (galvanized steel, 22 ga. assumed) - 42 LF	296	0%	296	LBS	\$0	\$0
338				24"x12" outside air duct (galvanized steel, 22 ga. assumed) - 43 LF	367	0%	367	LBS	\$0	\$0
339				Reconnect new 16"x12" exhaust duct to existing duct.	1	0%	1	EA	\$0	\$0
340				Reconnect new 16"x16" exhaust duct to existing duct.	1	0%	1	EA	\$0	\$0
341				Reconnect new 18"x12" outside air duct to existing duct.	1	0%	1	EA	\$0	\$0
342				Reconnect new 24"x12" outside air duct to existing duct.	1	0%	1	EA	\$0	\$0
				15915 DAMPER ASSEMBLIES						
343	M100	M002		18"x12" motorized damper	1	0%	1	EA	\$0	\$0
344				24"x12" motorized damper	1	0%	1	EA	\$0	\$0
345				Reinstall existing 16"x12" motorized damper and actuator	1	0%	1	EA	\$0	\$0
346				16"x16" backdraft damper	1	0%	1	EA	\$0	\$0
347				16"x12" fire damper (type B, 3 HR rated)	1	0%	1	EA	\$0	\$0
348				16"x16" fire damper (type B, 3 HR rated)	1	0%	1	EA	\$0	\$0
349				18"x12" fire damper (type B, 3 HR rated)	1	0%	1	EA	\$0	\$0
350				24"x12" fire damper (type B, 3 HR rated with 212 F fusible link)	1	0%	1	EA	\$0	\$0
				15992 CLEANING AND TESTING						
351				Cleaning and testing	1	0%	1	LS	\$0	\$0
				15993 BALANCING OF SYSTEMS						
352	M100	M002		Balance airflow at kitchen exhaust fan	1	0%	1	EA	\$0	\$0
353				Balance airflow at outside air fan	2	0%	2	EA	\$0	\$0
354				Balance airflow at toilet exhaust fan	1	0%	1	EA	\$0	\$0
				MISCELLANEOUS HVAC WORKS						
355	M100	M002		Digital thermostat Note: Removal for only one thermostat is shown. Please verify.	3	0%	3	EA	\$0	\$0
356	M101	M101		Wire mesh screen for 18"x12" duct opening	1	0%	1	EA	\$0	\$0
357				Wire mesh screen for 24"x12" duct opening	1	0%	1	EA	\$0	\$0
				Subtotal						
				DIVISION 16 - ELECTRICAL						
358	A200-203	Gen note 6		Reroute wires or remove if abandoned during façade work - Coordinate w/ telephone and cable companies	1	0%	1	LS	\$0	\$0
				16120 WIRING SYSTEMS						
359	E100	Plan notes		3#6 AWG wire	71	0%	71	LF	\$0	\$0
360				3#10 AWG wire	143	0%	143	LF	\$0	\$0
361				3#12 AWG wire	72	0%	72	LF	\$0	\$0

362		Pump control diagram/E700		Alarm control cabling for duplex pump	92	0%	92	LF	\$0	\$0	
363				Alarm control cabling for sump pump	98	0%	98	LF	\$0	\$0	
				16130 RACEWAYS, FITTINGS, SUPPORTING DEVICES, BOXES AND ACCESSORIES							
364	E100	Plan notes		1" conduit (EMT)	71	0%	71	LF	\$0	\$0	
365				3/4" conduit (EMT)	215	0%	215	LF	\$0	\$0	
366		Pump control diagram/E700		Alarm control conduit for duplex pump (assume 3/4" EMT)	92	0%	92	LF	\$0	\$0	
367				Alarm control conduit for sump pump (assume 3/4" EMT)	98	0%	98	LF	\$0	\$0	
				16140 WIRING DEVICES							
368	E100	Plan notes		New toggle switch to match existing Note: Confirm if switch is new or existing to remain.	1	0%	1	EA	\$0	\$0	
369					Electrical connection for new motorized damper -Extend from existing 120V circuit	2	0%	2	EA	\$0	\$0
				16441 ENCLOSED SWITCHES							
370	E100	Plan notes		3P 30A disconnect switch	1	0%	1	EA	\$0	\$0	
371					3P 30A weatherproof disconnect switch	1	0%	1	EA	\$0	\$0
372					3P 60A fused disconnect switch with rating nameplate	1	0%	1	EA	\$0	\$0
				16450 GROUNDING AND BONDING							
373	E100	Plan notes		1#10 AWG ground wire	143	0%	143	LF	\$0	\$0	
374					1#12 AWG ground wire	143	0%	143	LF	\$0	\$0
				16475 OVERCURRENT PROTECTIVE DEVICES, CIRCUIT BREAKERS AND FUSES							
375	E100	Plan notes		2P 25A circuit breaker	1	0%	1	EA	\$0	\$0	
376					3P 15A fuse/switch	1	0%	1	EA	\$0	\$0
377					3P 60A fuse/switch	1	0%	1	EA	\$0	\$0
				16480 MOTORS, MOTOR CONTROL CENTERS, STARTERS AND CONTROL EQUIPMENT							
378	E100	Plan notes		Controller for duplex pumps	1	0%	1	EA	\$0	\$0	
379					Controller for sump pump	1	0%	1	EA	\$0	\$0
380					Indicator panel for sump pump and duplex ejector pump	1	0%	1	EA	\$0	\$0
				16502 LED INTERIOR BUILDING LIGHTING							
381	E100	Plan notes		5'-6" long wall mounted light fixture Note: Connect to existing circuit. Verify extent in field.	2	0%	2	EA	\$0	\$0	
					Subtotal						
					PROVISIONS						
382	T003	2/A810	1	Interior plaster repair	100	0%	100	SF	\$0	\$0	
383	T003		2	Interior painting	1000	0%	1000	SF	\$0	\$0	
384	T003	5/A410	3	Replacement of bricks as per face brick replacement	150	0%	150	SF	\$0	\$0	
385	T003	1/A410	4	Replacement of face bricks as per brick stitching	24	0%	24	LF	\$0	\$0	
386	T003	6/A410	5	Repointing of brick/stone mortar joint	500	0%	500	SF	\$0	\$0	
387	T003		6	Removal of existing back-up masonry and installation of new back-up/block masonry	150	0%	150	SF	\$0	\$0	
388	T003	1,2/A430	7	Replacement of metal cornice to match existing	28	0%	28	SF	\$0	\$0	
389	T003	S500	8	Installation of various structural steel shapes, plates including welding, grinding/cleaning of existing steel and painting of new and existing steel	0.5	0%	0.5	TONS	\$0	\$0	
390	T003	1/S500	9	Concrete spall repair at basement ceiling slab	20	0%	20	SF	\$0	\$0	
391	T003		10	Crack repair and application of silicone sealant and liquid membrane at metal roofing	380	0%	380	SF	\$0	\$0	
392	T003		11	Replacement of ceiling grid, hangers and associated hardware	40	0%	40	SF	\$0	\$0	
393	T003		12	Replacement of window guard hardware	6	0%	6	SETS	\$0	\$0	
394	T003		13	Replacement of roofing assembly components	12	0%	12	SF	\$0	\$0	
					Subtotal						
					TOTAL BASE BID						
					ALLOWANCES						
395	T003			Allowance No. 1: - Restocking of supplies of authority's field office	1	0%	1	LS	\$7,000	\$7,000	
					TOTAL BASE BID + ALLOWANCE						
Exclusions:					Abbreviations:						
1: N/A					w/ <> with ; o.c <> on center ; incl. <> including ; Reinf. <> Reinforced						