

ESTIMATE DETAIL



PROJECT NAME

	DESCRIPTION	QTY	UNIT	RATE	TOTAL (\$)
1	DEMOLITION				
2	Accessibility				
3	Selective Demolition				
4	<u>Structure Demolition as per drawings AD100 to AD104 & AD11 to AD113, AD201</u>				
5					
6	Demolish section of Foundation wall	91	SF	30.00	2,730
7	Demolish concrete landing and stairs , excavate as required to level area with stage level.	142	SF	20.00	2,840
8	Demolish concrete pad and canopy above	1	LS	1,900.00	1,900
9					
10	<u>Architecture Demolition as per drawings AD100 to AD104 & AD11 to AD113, AD201</u>				
11	Demolish exterior wall as required for new opening	64	SF	28.00	1,792
12	Remove window & Cut exterior wall down to existing floor level	22	SF	24.50	539
13	Partially demolish wall as required for the bathroom work above	36	SF	13.50	486
14	Partially demolish wall required for drinking fountain replacement	15	SF	12.00	180
15	Demolish CMU wall to the height of 8'0"	57	SF	12.00	684
16	Remove tile from partition walls	1,242	SF	5.00	6,210
17	Selectively demolish stage floor to accommodate new wall	21	SF	25.00	525
18	Remove and salvage wood slate acoustic panels	17	SF	15.00	255
19	Demolish Interior CMU wall	224	SF	10.00	2,240
20	Demolish wood platform, both sides of Auditorium	50	SF	12.00	600
21	Demolish Masonry partition wall as required for new accessibility lift	51	SF	15.00	765
22	Remove existing Mechanical equipment s& dunnage down to deck	40	SF	50.00	2,000
23	Remove all plumbing wall within toilet rooms	158	SF	8.00	1,264
24	Existing wall to be demolished	32	SF	25.00	800
25	Demolish concrete riser as required for new accessibility seating	26	LF	100.00	2,600
26	Remove door and frame-Size; 6'0" wide x 7'0" High	1	EA	450.00	450
27	Remove door and frame-Size; 6'0" wide x 7'2" High	1	EA	450.00	450
28	Remove door and frame-Size; 5'8" wide x 7'2" High	1	EA	450.00	450
29	Remove door and frame-Size; 5'8" wide x 7'0" High	1	EA	450.00	450
30	Remove door and frame-Size; 2'11" wide x 7'0" High	1	EA	450.00	450
31	Remove door and frame-Size; 3'0" wide x 7'0" High	2	EA	425.00	850
32	Remove door frame & cut down wall to the stage level-Size; 5'8" wide x 7'0" High	1	EA	800.00	800
33	Remove window & Cut exterior wall down to existing floor level-Size; 6'6" wide x 4'8" high	1	EA	1,250.00	1,250
34	Remove existing Louvers and prepare opening for new infill-Size; 5'0" wide x 6'8" high	2	EA	950.00	1,900
35	Remove Window and frame-Size; 3'10" wide x 4'0" high	2	EA	500.00	1,000
36	Remove Window and frame-Size; 6'2" wide x 5'3" high	1	EA	600.00	600
37	Remove all Plumbing fixtures and associated branch lines	7	EA	100.00	700
38	Remove and salvage toilet room accessories including, mirrors, Toilet tissue dispensers, soap dispensers, Hand towel dispensers, sanitary napkin dispensers.	7	EA	350.00	2,450
39	Remove Recessed Hand dryer	6	EA	150.00	900
40	Remove 8 seats per rows in front two rows	16	EA	250.00	4,000
41	Remove 2 seats	2	EA	250.00	500
42	Remove seats from three rows at rear of auditorium	45	EA	250.00	11,250
43	Remove miscellaneous signages at exterior wall	1	EA	75.00	75
44	Remove and salvage wall mounted fire extinguisher. To be mounted in new location	1	EA	150.00	150
45	Remove Glazed CMU wall	1,869	SF	8.00	14,952
46	Remove floor tile and floor drains	1,116	SF	3.50	3,906
47	Remove all toilet partitions and associated accessories	14	EA	350.00	4,900
48					
49	<u>Demolition RCP</u>				
50	Remove ACT ceiling and its grid in its entirety , including lighting grills and others ceiling mounted appurtenances.	1,324	SF	2.00	2,648
51	Remove ceiling-Type unknown	225	SF	5.00	1,125
52	<u>Demolition MEP</u>				
53	Remove dropped MEP	1	LS	30,000.00	30,000
54	Abatement				
55	Hazardous Materials Abatement:	1	Allow	50,000.00	50,000
56	Asbestos Removal:				
57	Mud Fitting Insulation	5	LOC		<i>Incl. above</i>
58	Exterior Door Frame Caulk	80	LF		<i>Incl. above</i>

59	Interior Black Caulking	40	LF		Incl. above
60	Red Duct Seam Sealant	150	LF		Incl. above
61	Window Frame Caulk	7	EA		Incl. above
62	Window Glazing Compound	2	EA		Incl. above
63	Residual Black Membrane	40	SF		Incl. above
64	Damp-proofing Mastic	100	SF		Incl. above
65	Copper Coated Flashing	80	SF		Incl. above
66	Black Coating in Insulation Board	400	SF		Incl. above
67	Misc. Hazardous Material Removal:				
68	Fluorescent Light Tubes	100	EA		Incl. above
69	Fluorescent Light Ballasts	50	EA		Incl. above
70	Emergency Exit Signs/Lights/Strobes	10	EA		Incl. above
71	Fire extinguishers	5	EA		Incl. above
72	Hydraulic Doorstops/Closers	15	EA		Incl. above
73	Mercury Switches	2	EA		Incl. above
74	Smoke Alarms	10	EA		Incl. above
75	Fire Alarm Switches	5	EA		Incl. above
76	Critical Repairs				
77	Selective Demolition				
78	<u>Architecture Demolition as per drawings AD100 to AD104 & AD11 to AD113, AD201</u>				
79	Remove carpet and underlying adhesive or mastic	102	SF	3.00	306
80	Chip out floor for perimeter heating branch lines	86	SF	15.00	1,290
81	Demolish GWB partitions	343	SF	10.00	3,430
82	Remove section of CMU wall	130	SF	15.00	1,950
83	Temporary remove stage curtain during construction, store for reuse	200	LF	25.00	5,000
84	Remove rubber base	113	LF	2.00	226
85	Remove existing top rail, posts and bottom rail (angle) to remain	28	LF	20.00	560
86	Remove door and frame-Size; 2'11" wide x 7'0" High	1	EA	450.00	450
87	Remove door and frame-Size; 3'0" wide x 7'0" High	4	EA	450.00	1,800
88	Remove door and frame-Size; 6'3" wide x 7'0" High	1	EA	900.00	900
89	Remove carpet and underlying adhesive or mastic	434	SF	3.00	1,302
90	Remove and salvage bulletin board	3	EA	100.00	300
91	Remove and salvage toilet room signage. Store for re-installation	2	EA	100.00	200
92	Remove existing wall mounted lighting and associated conduits	3	EA	250.00	750
93	Core drill concrete slab for new stack , scan to locate reinforcement	2	EA	1,000.00	2,000
94	Remove mechanical equipment per mechanical drawings	10	EA		Incl. with Trade
95					
96	<u>Demolition RCP</u>				
97	Remove ACT ceiling and its grid in its entirety , including lighting grills and others ceiling mounted appurtenances.	9,884	SF	2.00	19,768
98	Remove GWB ceiling , remove lighting salvage grills and other ceiling mounted appurtenances.	211	SF	5.00	1,055
99	Demolish existing plaster ceiling and associated structures	4,223	SF	10.00	42,230
100	Remove theatrical lights and riggings	393	LF	35.00	13,755
101	Remove and salvage ceiling mounted speakers	2	EA	150.00	300
102	Additional Program				
103	No work in this section				
104					
105	CAST IN PLACE CONCRETE				4,22,199
106	<u>Accessibility</u>				
107	<u>Spread footing</u>				
108	F4 - 4'x4'x1'4"	17	EA	774.40	Quantity Only
109	Formwork	364	SF	14.00	5,103
110	Reinforcement - 4#4 BEW	547	LB	2.40	1,312
111	Concrete	14	CY	500.00	6,750
112	Waterproofing	636	SF	12.00	Incl. in Div 7
113					
114	F6 - 6'x6'x2'	2	EA	2,695.70	Quantity Only
115	Formwork	96	SF	14.00	1,344
116	Reinforcement - 6#6 T&BEW	576	LB	2.40	1,382
117	Concrete	5	CY	500.00	2,665
118	Waterproofing	168	SF	12.00	Incl. in Div 7
119					
120	<u>Piers</u>				
121	Piers - 20"x20"	17	EA	1,528.21	Quantity Only
122	Formwork	870	SF	18.00	15,663
123	Reinforcement allow 80 LB/CY	1,076	LB	2.40	2,583
124	Concrete	13	CY	575.00	7,734
125					
126	Piers - 30"x24"	2	EA	1,065.19	Quantity Only
127	Formwork	63	SF	18.00	1,134
128	Reinforcement allow 80 LB/CY	104	LB	2.40	249
129	Concrete	1	CY	575.00	748

130					
131	<u>Continuous wall footing</u>				
132	3'2"Wx1'D wall footing	46	LF	107.06	Quantity Only
133	Formwork	92	SF	14.00	1,289
134	Reinforcement - #5@12" BEW	335	LB	2.40	803
135	Concrete	5	CY	525.00	2,835
136	Waterproofing	238	SF	12.00	Incl. in Div 7
137					
138	5'2"Wx1'4"D wall footing	136	LF	229.17	Quantity Only
139	Formwork	364	SF	14.00	5,093
140	Reinforcement - #5@12" T&BEW	3,221	LB	2.40	7,729
141	Concrete	35	CY	525.00	18,286
142	Waterproofing	1,066	SF	12.00	Incl. in Div 7
143					
144	<u>Foundation walls</u>				
145	1'2" Thick Foundation Wall 1/S301	140	LF	724.36	Quantity Only
146	Formwork	2,800	SF	17.00	47,600
147	Reinforcement - #6@12" VFEW #4@12" HFEW	7,160	LB	2.40	17,183
148	Concrete	64	CY	575.00	36,628
149	Waterproofing	1,400	SF	15.00	Incl. in Div 7
150					
151	1'2" Thick Foundation Wall 2/S301	74	LF	411.32	Quantity Only
152	Formwork	932	SF	17.00	15,844
153	Reinforcement - #4@12" VFEW #4@12" HFEW	1,373	LB	2.40	3,295
154	Concrete	20	CY	575.00	11,500
155	Waterproofing	466	SF	15.00	Incl. in Div 7
156					
157	Slab on grade				
158	5" SOG	2,568	SF	13.38	Quantity Only
159	Reinforcement w/ WWF6x6-W4.0xW4.0	2,568	SF	2.10	5,392
160	Concrete	40	CY	600.00	23,970
161	Waterproofing	2,742	SF	15.00	Incl. in Div 7
162					
163	Allow for patching and repairs to slabs where trenched for plumbing, etc.	1	LS	5,000.00	5,000
164	Accessibility lift pit	1	LS	4,500.00	4,500
165	Concrete Ramp	219	SF	25.00	5,480
166	Housekeeping Pads	1	LS	2,000.00	2,000
167	Metal pan stairs - concrete tread infill	1	LS	3,600.00	3,600
168	<u>Siteworks</u>				
169	Concrete paving pedestrian	2,837	SF	14.50	41,141
170	Concrete - 4000 PSI 4"Thick	36	CY		0
171					
172	Concrete pedestrian walkway ADA compliant	316	SF	14.50	4,581
173	Concrete - 4000 PSI 4"Thick	4	CY		0
174	Exterior Concrete Pads	1	LS	13,500.00	13,500
175	<u>Critical Repairs</u>				
176	Allow for new concrete infill on demolished concrete riser as required for new accessible seating area at auditorium.	1	SF	6,500.00	6,500
177	<u>Additional Program</u>				
178	<u>Spread footing</u>				
179	F4 - 4'x4'x1'4"	4	EA	774.84	Quantity Only
180	Formwork	86	SF	14.00	1,201
181	Reinforcement - 4#4 BEW	129	LB	2.40	309
182	Concrete	3	CY	500.00	1,590
183	Waterproofing	150	SF	12.00	Incl. in Div 7
184					
185	F6 - 6'x6'x2'	4	EA	2,696.95	Quantity Only
186	Formwork	192	SF	14.00	2,688
187	Reinforcement - 6#6 T&BEW	1,152	LB	2.40	2,765
188	Concrete	11	CY	500.00	5,335
189	Waterproofing	336	SF	12.00	Incl. in Div 7
190					
191	<u>Piers (allow concrete piers)</u>				
192	Piers - 20"x20"	4	EA	1,076.23	Quantity Only
193	Formwork	144	SF	18.00	2,595
194	Reinforcement allow 80 LB/CY	178	LB	2.40	428
195	Concrete	2	CY	575.00	1,282
196					
197	Piers - 30"x24"	4	EA	1,710.69	Quantity Only
198	Formwork	203	SF	18.00	3,645
199	Reinforcement allow 80 LB/CY	333	LB	2.40	800
200	Concrete	4	CY	575.00	2,398
201					

202	<u>Continuous wall footing</u>				
203	3'2"Wx1'D wall footing	36	LF	107.05	Quantity Only
204	Formwork	71	SF	14.00	998
205	Reinforcement - #5@12" BEW	259	LB	2.40	622
206	Concrete	4	CY	525.00	2,195
207	Waterproofing	184	SF	12.00	Incl. in Div 7
208					
209	3'Wx1'D wall footing	24	LF	102.27	Quantity Only
210	Formwork	48	SF	14.00	669
211	Reinforcement - #5@12" BEW	164	LB	2.40	395
212	Concrete	3	CY	525.00	1,391
213	Waterproofing	119	SF	12.00	Incl. in Div 7
214					
215	<u>Foundation walls</u>				
216	1'2" Thick Foundation Wall 2/S301	49	LF	399.70	Quantity Only
217	Formwork	584	SF	17.00	9,928
218	Reinforcement - #4@12" VFEW #4@12" HFEW	861	LB	2.40	2,066
219	Concrete	13	CY	575.00	7,475
220	Waterproofing	292	SF	15.00	Incl. in Div 7
221					
222	1' Thick Foundation Wall 2/S301	29	LF	388.01	Quantity Only
223	Formwork	352	SF	17.00	5,984
224	Reinforcement - #6@12" VFEW #4@12" HFEW	518	LB	2.40	1,243
225	Concrete	7	CY	575.00	4,025
226	Waterproofing	176	SF	15.00	Incl. in Div 7
227					
228	<u>Slab on grade</u>				
229	5" SOG	772	SF	38.54	Quantity Only
230	Reinforcement w/ WWF6x6-W4.0xW4.0	772	SF	2.10	1,622
231	Concrete	12	CY	600.00	7,152
232	Waterproofing	835	SF	15.00	12,519
233	1' Step in slab	34	LF	250.00	8,468
234					
235	PRECAST CONCRETE				0
236	<u>Accessibility</u>				
237	No work in this section				no work
238	<u>Critical Repairs</u>				
239	No work in this section				no work
240	<u>Additional Program</u>				
241	No work in this section				no work
242					
243	MASONRY & CAST STONE MASONRY				21,530
244	<u>Accessibility</u>				
245	Lintels				
246	CMU U-Block bond beam lintel, incl. solid grout existing masonry as per 05/S002	34	LF	45.00	1,530
247	Allowance for work to existing masonry walls - Openings	1	LS	20,000.00	20,000
248	Tooth in CMU infill	184	SF		Incl. in allowance above
249	<u>Critical Repairs</u>				
250	No work for Critical Repairs Funding				No Work
251	<u>Additional Program</u>				
252	No work for Critical Repairs Funding				No Work
253					
254	STRUCTURAL STEEL				3,01,821
255	<u>Accessibility</u>				
256	Steel beams				
257	HSS	4	TN	6,700.00	26,800
258	W beams	15	TN	6,500.00	97,500
259	Steel Braces				
260	HSS	2	TN	6,700.00	13,400
261	Steel Columns				
262	HSS	5	TN	6,700.00	33,500
263	Deck				
264	RD3 - 3", 16 GA Type N Roof Deck	3,082	SF	12.00	36,986
265	RD1.5 - 1 1/2", 16 GA Type N Roof Deck	60	SF	10.25	615
266	Allow 10% for connections and miscellaneous steel	3	TN	6,700.00	17,420
267	Allow for roof dunnage steel	1	LS	25,000.00	Incl.
268	<u>Critical Repairs</u>				
269	No work in this section				No Work
270	<u>Additional Program</u>				
271	Steel beams				
272	HSS	1	TN	6,700.00	6,700
273	W beams	4	TN	6,500.00	26,000
274	Steel Braces				

275	HSS	2	TN	6,700.00	13,400
276	Steel Columns				
277	HSS	2	TN	6,700.00	13,400
278	Deck				
279	RD3 - 3", 16 GA Type N Roof Deck	839	SF	12.00	10,070
280	Allow 10% for connections and miscellaneous steel	1	TN	6,700.00	6,030
281					
282	MISCELLANEOUS METALS				55,310
283	<u>Accessibility</u>				
284	<u>Stairs</u>				
285	Metal Pan stairs as per details on drawing A400	1	FLT	7,500.00	7,500
286	Metal Pan stairs - concrete tread fill	-1	LS	3,600.00	-3,600
287	Rubber Treads-7" wide including concrete fill	12	EA	300.00	Incl.
288	Rubber Riser-11" High including concrete fill	13	EA	550.00	Incl.
289	1 1/2" painted pipe (1.66" OD) Handrail	32	LF	250.00	8,000
290	3/4" solid painted Guardrail	11	LF	200.00	2,200
291	<u>Ramp Handrail</u>				
292	Handrail to Ramp-as per detail on drawing A-101	39	LF	250.00	9,750
293	<u>Generally</u>				
294	Allow for misc. metals not yet defined	11,514	SF	0.70	8,060
295	<u>Critical Repairs</u>				
296	Roof Ladder	1	EA	2,500.00	2,500
297	Allow for misc. metals not yet defined	43,597	SF	0.44	19,183
298	<u>Additional Program</u>				
299	Allow for misc. metals not yet defined	859	SF	2.00	1,718
300					
301	ROUGH CAEPENTRY				0
302	<u>Accessibility</u>				
303	<u>Critical Repairs</u>				Incl. w/ Drywall below
304	<u>Additional Program</u>				
305					
306	FINISH CARPENTRY / MILLWORK / CASEWORK				34,935
307	<u>Accessibility</u>				
308	<u>Millworks</u>				
309	Solid surface countertop and backsplash mounted on heavy duty wall brackets-Size; 1'11" wide x 8'0" length-as per detail-05 on drawing-A421	1	EA	2,120.00	2,120
310	Solid surface countertop and backsplash mounted on heavy duty wall brackets-Size; 1'11" wide x 18'0" length-as per detail-05 on drawing-A421	1	EA	4,770.00	4,770
311	Solid surface countertop and backsplash mounted on heavy duty wall brackets-Size; 1'11" wide x 12'0" length-as per detail-11 on drawing-A421	1	EA	3,180.00	3,180
312	Solid surface countertop and backsplash mounted on heavy duty wall brackets-Size; 3'0" wide x 20'0" length-as per detail-08 on drawing-A421	1	EA	9,700.00	9,700
313	Bathroom countertop-1'10" wide x 7'0" length-as per detail-01 on drawing-A411	2	EA	350.00	700
314	3"H - Backsplash	39	LF	35.00	1,365
315	New slatted wood walls panels with acoustic insulation to match existing.	108	SF	75.00	8,100
316	Existing wood batten to remain, typical throughout at side wall and rear wall	1	LS	0.00	0
317	Modify wall paneling - Allowance	1	LS	5,000.00	5,000
318	<u>Critical Repairs</u>				
319	No work in this section				No Work
320	<u>Additional Program</u>				
321	No work in this section				No Work
322					
323	WATERPROOFING / DAMPROOFING / SEALANT				1,14,751
324					
325	Waterproofing - Foundations				
326	<u>Accessibility</u>				
327	Foundation and foundation wall waterproofing	3,974	SF	9.50	37,753
328	Slab on grade waterproofing	2,742	SF	9.50	26,053
329	<u>Critical Repairs</u>				
330	No work in this section				No Work
331	<u>Additional Program</u>				
332	Foundation and foundation wall waterproofing	1,257	SF	9.50	11,945
333	Slab on grade waterproofing	835	SF	9.50	7,928
334					
335	Waterproofing - Exterior Walls				
336	<u>Accessibility</u>				
337	Adhered vapor permeable air and water barrier membrane	1,815	SF	5.80	10,530
338	<u>Critical Repairs</u>				
339	No work in this section				No Work
340	<u>Additional Program</u>				
341	Adhered vapor permeable air and water barrier membrane	308	SF	5.80	1,784
342					
343	Insulation - Foundations				

344	<u>Accessibility</u>				
345	No work in this section				No Work
346	<u>Critical Repairs</u>				
347	No work in this section				No Work
348	<u>Additional Program</u>				
349	Foundation and foundation wall insulation	1,257	SF	4.70	5,910
350	Slab on grade insulation - 3' at perimeter	745	SF	4.70	3,500
351					
352	Insulation - Exterior Walls				
353	<u>Accessibility</u>				
354	2.5" thick mineral wool semi-rigid insulation board	1,815	SF	3.90	Incl. wi Siding Panels
355	6" mineral wool batt insulation	1,815	SF	4.50	Incl. wi Drywall below
356	<u>Critical Repairs</u>				
357	No work in this section				No Work
358	<u>Additional Program</u>				
359	2.5" thick mineral wool semi-rigid insulation board	308	SF	3.90	Incl. wi Siding Panels
360	6" mineral wool batt insulation	308	SF	4.50	Incl. wi Drywall below
361					
362	Sealants and Caulking				
363	<u>Accessibility</u>				
364	Allow for sealants and caulking	11,514	SF	0.70	8,060
365	<u>Critical Repairs</u>				
366	Allow for sealants and caulking	43,597	SF	0.00	0
367	<u>Additional Program</u>				
368	Allow for sealants and caulking	859	SF	1.50	1,289
369					
370	CEMENTITIOUS WALL PANELS				3,39,650
371	<u>Accessibility</u>				
372	Exterior Enclosure				
373	New Power Coated Insulated metal panel infill	67	SF	110.00	7,370
374	Typical FCBP assembly - 5/16" high density fiber cement panel, w/ 2 layer steel attachment system w/ SMARTCI green girt+7/8" galv. Steel furring channels + 2" embedded fiberglass Z-furring channels				
375	FCBP-1, Fiber Cement panel (Color 1)	556	SF	115.00	63,907
376	FCBP-2, Fiber Cement panel (Color 2)	1,042	SF	115.00	1,19,836
377	FCBP-3, Fiber Cement panel (Color 3)	218	SF	115.00	25,033
378	2.5" thick mineral wool semi-rigid insulation board	1,815	SF	3.90	7,080
379	Adhered vapor permeable air and water barrier membrane	1,815	SF		Incl. in Div 7
380	1/2" exterior gypsum sheathing	1,815	SF		Incl. in Div 6
381	8" CFMF	1,815	SF		Incl. in Div 8
382	6" mineral wool batt insulation	1,815	SF		Incl. in Div 9
383	5/8" interior GWB	1,815	SF		Incl. in Div 8
384	Reduce area for cement board	#REF!	SF	115.00	#REF!
385	Add \$5/sf to unit rate	2,700	SF	5.00	13,500
386	Slatted FCBP-1 Mechanical Screen Wall @ Lower Roof	261	SF	115.00	30,052
387					
388	FCBP, Fiber Cement panel Soffit @ Entrance Canopy, incl framing	75	SF	115.00	8,625
389	Ceiling				
390	FCBP - Fiber cement board panel ceiling at Entry Vestibule	108	SF	115.00	12,420
391	FCBP - Fiber cement board panel ceiling - Soffit at Entry Vestibule	54	SF	115.00	6,228
392	Wall finish				
393	FCBP-1 - Fiber cement board panel; Color#1, at Entry Vestibule	180	SF	115.00	20,730
394	<u>Critical Repairs</u>				
395	Ceiling				
396	FCBP - Fiber cement board panel ceiling at Entry Vestibule	113	SF	115.00	12,995
397	FCBP - Fiber cement board panel ceiling - Soffit at Entry Vestibule	66	SF	115.00	7,590
398	Wall finish				
399	FCBP-1 - Fiber cement board panel; Color#1, at Entry Vestibule	181	SF	115.00	20,815
400	<u>Additional Program</u>				
401	Exterior Enclosure				
402	FCBP-1, Fiber Cement panel (Color 1), including insulation, studs, waterproofing.	308	SF	115.00	35,375
403	2.5" thick mineral wool semi-rigid insulation board	308	SF	3.90	1,200
404	Adhered vapor permeable air and water barrier membrane	308	SF		Incl. in Div 7
405	1/2" exterior gypsum sheathing	308	SF		Incl. in Div 6
406	8" CFMF	308	SF		Incl. in Div 8
407	6" mineral wool batt insulation	308	SF		Incl. in Div 9
408	5/8" interior GWB	308	SF		Incl. in Div 8
409					
410	ROOFING				1,67,647
411	<u>Accessibility</u>				

412	Roofing				
413	RF-1, PVC fully adhered roof, 60 mil, with 1/2" cover board, tapered polyisocyanurate insulation min. 3", vapor retarder	3,633	SF	30.00	1,08,990
414	Fully adhered roof membrane at vertical faces of low roof addition roof	511	SF	40.00	20,440
415	Scuppers	4	EA	1,000.00	4,000
416	Aluminum Coping and Flashing	200	LF	45.00	9,017
417	Critical Repairs				
418	No work in this section				No Work
419	Additional Program				
420	RF-1, PVC fully adhered roof, 60 mil, with 1/2" cover board, tapered polyisocyanurate insulation min. 3", vapor retarder - Repair existing at new mechanical locations	840	SF	30.00	25,200
421					
422	FIRE PROOFING				22,648
423	Accessibility				
424	Allow for fireproofing new steelwork	29	TN	400.00	11,440
425	Allow for patching of existing fireproofing	11,514	SF	0.50	5,757
426	3" Open cell spray foam at concrete walls in lowers section of addition w/vapor variable barrier inside the stud-as per detail-06 on drawing A310.	298	SF	5.00	1,491
427	Critical Repairs				
428	No work in this section				No Work
429	Additional Program				
430	Allow for fireproofing new steelwork	10	TN	400.00	3,960
431					
432	DOORS, FRAMES & HARDWARE				1,20,400
433	Accessibility				
434	Wood door including Hardware				
435	Single Doors				
436	Type-F-Size; 3'-0" wide x 7'-0" high-Wood door with CLR Finish and Hollow metal frame painted-Frame Type-2	14	EA	3,300.00	46,200
437	Double Doors				
438	Type-2G-Size; 6'-0" wide x 7'-0" high- Wood door with CLR finish and Hollow metal frame painted-Frame Type-3.	1	EA	6,600.00	6,600
439	Type-U-Size; 5'-0" wide x 7'-0" high- Wood door with CLR finish and Hollow metal frame painted-Frame Type-3.	1	EA	5,700.00	5,700
440	Transfer door/frame installation to Drywall	18	EA	-500.00	-9,000
441					
442	Card Reader	2	EA	1,000.00	2,000
443	Auto opener	6	EA	4,250.00	25,500
444	Critical Repairs				
445	Wood door including Hardware				
446	Single Doors				
447	Type-F-Size; 3'-0" wide x 7'-0" high-Wood door with CLR Finish and Hollow metal frame painted-Frame Type-2	1	EA	3,300.00	3,300
448					
449	Hollow metal doors including Hardware				
450	Double Doors				
451	Type-2F-Size; 6'-0" wide x 7'-0" high- Hollow metal painted door with Hollow metal frame painted-Frame Type-3	2	PR	6,600.00	13,200
452					
453	Transfer door/frame installation to Drywall	5	EA	-500.00	-2,500
454	Card Reader	3	EA	1,000.00	3,000
455	Additional Program				
456	Wood door including Hardware				
457	Single Doors				
458	Type-F-Size; 3'-0" wide x 7'-0" high-Wood door with paint Finish and Hollow metal with painted frame-Frame Type-2	5	EA	3,300.00	16,500
459	Type-N-Size; 3'-0" wide x 7'-0" high-Wood door with CLR Finish and Hollow metal frame painted-Frame Type-2 and with Acoustic	4	EA	3,600.00	14,400
460	Transfer door/frame installation to Drywall	9	EA	-500.00	-4,500
461					
462	ENTRANCES & STOREFRONTS				29,000
463	Accessibility				
464	Aluminum door with vision panels, including Hardware				
465	Double Doors				
466	Type-2G-Size; 6'-0" wide x 7'-0" high- aluminum door with ANOD finish and aluminum frame and ANOD finish.	2	EA	10,000.00	20,000
467					
468	Aluminum Storefront system-Size;-6'5" wide x 3'10" high	2	EA	4,500.00	9,000
469	Critical Repairs				
470	No work in this section				No Work
471	Additional Program				
472	No work in this section				No Work
473					
474	WINDOWS				1,46,910

475	Accessibility				
476	Exterior Windows (see A-701)				
477	W1 - 2EA, 4'-1"Lx3'-6"H	33	SF	200.00	6,652
478	W2 - 1EA, 4'-8 1/2"Lx3'-8"H	17	SF	200.00	3,486
479	W3 - 2EA, 6'-6 1/2"Lx3'-9"H	51	SF	200.00	10,238
480	W4 - 1EA, 13'-1"Lx2'-6 1/2"H	35	SF	200.00	6,908
481	W5 - 2EA, 3'-4 1/2"Lx7'-5 1/2"H	51	SF	200.00	10,126
482	W9 - 2EA, 6'-5"Lx2'-8 1/2"H	34	SF	200.00	6,896
483	W10 - 1EA, 13'-2"Lx2'-9"H (not in A-701)	36	SF	200.00	7,274
484	W11 - 1EA, 13'-8 1/2"Lx2'-9"H	39	SF	200.00	7,760
485	W12 - 1EA, 6'-3"Lx2'-8 1/2"H	17	SF	200.00	3,484
486	Addition window area - Reconciliation adjustment	26	SF	200.00	5,200
487	Window return	168	SF	20.00	3,360
488	Critical Repairs				
489	No work in this section				No Work
490	Additional Program				
491	Exterior Windows (see A-701)				
492	W6 - 1EA, 11'-0"Lx10'H	112	SF	200.00	22,380
493	W7 - 1EA, 14'-8"Lx10'H	149	SF	200.00	29,830
494	W8 - 3EA, 3'-6"Lx10'H	106	SF	200.00	21,296
495	Window return	101	SF	20.00	2,020
496					
497	GLASS & GLAZING				2,390
498	Accessibility				
499	Interior Glazing				
500	Mirrors	1	EA	0.00	0
501	Mirror, Size; 12'0" wide x 4'0" high-as per detail-11 on drawing-A421	1	EA	0.00	0
502	Continuous surface mounted mirror-Size; 8'0" wide x 3'2" high-as per detail-07 on drawing-A421	1	EA	0.00	0
503	Continuous surface mounted mirror-Size; 18'0" wide x 3'0" high-as per detail-06 on drawing-A421	1	EA	0.00	0
504	Continuous surface mounted mirror-Size; 16'0" wide x 4'0" high-as per detail-08 on drawing-A421	1	EA	0.00	0
505	Critical Repairs				
506	Interior Glazing				
507	Type-GL-1-Size; 3'-0" wide x 1'-8" high	1	EA	750.00	750
508	Additional Program				
509	Interior Glazing				
510	Type-GL-4-Size; 1'-4" wide x 6'-6" high	1	EA	1,640.00	1,640
511					
512	DRYWALL				4,26,712
513	Accessibility				
514	Exterior Enclosure				
515	8" CFMF	1,815	SF	12.00	21,785
516	1/2" exterior gypsum sheathing	1,815	SF	4.70	8,533
517	6" mineral wool batt insulation	1,815	SF	4.50	8,169
518	5/8" interior GWB	1,815	SF	4.50	8,169
519	3/4" PT plywood roof decking - Not Required	0	SF	4.50	
520	Interior Construction				
521	Interior Partitions - Drywall, refer drawing no- A101,A102 & A103 and partition schedule On A002.				
522	Type 2B, non rated, (1) layer 5/8" type GWB gypsum wall board to finish side with 3 5/8" cold form metal stud at 16" O.C and 4 1/4" wall thickness with batt insulation STC rating none.	1,274	SF	16.50	21,021
523	Type 2X, Gypsum board both sides	155	SF	19.40	3,007
524	Type 3A, non rated, (1) layer 5/8" type GWB gypsum wall board to each side with 3 5/8" cold formed metal stud at 16" O.C and 4 7/8" wall thickness with batt insulation STC rating-39.	1,982	SF	18.75	37,163
525	Type 3C, non rated, (1) layer 5/8" type GWB gypsum wall board to each side with 8" cold formed metal stud at 16" O.C and 9 1/4" wall thickness with batt insulation STC rating-39.	968	SF	20.50	19,844
526	Type 3Tx, Gypsum board both sides	103	SF	19.50	2,009
527	Type 4, non rated, (1) layer 5/8" type GWB gypsum wall board to one side and (2) layer 5/8" type GWB gypsum wall board to other side with 3 5/8" cold form metal stud at 16" O.C and 5 1/2" wall thickness with batt insulation STC rating none.	56	SF	20.75	1,162
528	Type 12, non rated, (1) layer 3/8" type GWB gypsum wall board to one side with 1/2" cement-cementitious backer one side or side of wall to receive ceramic tile finish and cold formed metal studs at 16" O.C with stud size 3 5/8" and 4 1/2" wall thickness with batt insulation STC rating none.	1,278	SF	20.00	25,560
529	Type 14, non rated, (1) layer 5/8" type GWB gypsum wall board to each side with 1/2" cement-cementitious backer each side or side of wall to receive ceramic tile finish and cold formed metal studs at 16" O.C with stud size 3 5/8" and 5 3/8" wall thickness with batt insulation STC rating none and all components should be acoustic.	191	SF	23.25	4,441

530	Type 17, non rated, (1) layer 5/8" type GWB gypsum wall board to each side with 1/2" cement-cementitious backer each side or side of wall to receive ceramic tile finish and cold formed metal studs at 16" O.C with stud size 3 5/8" and 1 11" wall thickness with sound attenuation batt insulation one side STC rating-39.	346	SF	32.00	11,072
531	Type 21, non rated, (2) layer 5/8" type GWB gypsum wall board to one side and (1) layer 5/8" type GWB gypsum wall board to other side with 3 5/8" cold formed metal stud at 16" O.C and 7 1/8" wall thickness and resilient mount and 7/8" furring channel with batt insulation STC rating-60.	495	SF	25.00	12,375
532	New GWB packers wall at large grills -painted black-as per drawings-A101.	182	SF	20.00	3,640
533	Furring and drywall at CMU infill areas	184	SF	15.00	2,760
534	Transfer door/frame installation to Drywall	18	EA	500.00	9,000
535	Allow for rough carpentry and blocking	5,817	SF	1.45	8,435
536	Patching and repairs at existing drywall	1	LS	14,000.00	14,000
537	<u>Ceiling</u>				
538	Gypsum board	44	SF	18.20	801
539	Gypsum board and soffit at auditorium	1	LS	40,000.00	40,000
540	GWB - Bulkhead 1'	8	SF	22.00	176
541	GWB - Bulkhead 1'5"	180	SF	22.00	3,960
542	GWB - Bulkhead 1'2"	171	SF	22.00	3,762
543	GWB - Bulkhead 3'6"	25	SF	22.00	550
544	<u>Critical Repairs</u>				
545	<u>Interior Partitions - Drywall, refer drawing no- A101,A102 & A103 and partition schedule On A002.</u>				
546	Type 2A, non rated, (1) layer 5/8" type GWB gypsum wall board to finish side with 2 1/2" cold form metal stud at 16" O.C and 3 1/8" wall thickness with batt insulation STC rating none.	50	SF	16.50	825
547	Type 2B, non rated, (1) layer 5/8" type GWB gypsum wall board to finish side with 3 5/8" cold form metal stud at 16" O.C and 4 1/4" wall thickness with batt insulation STC rating none.	628	SF	16.50	10,362
548	Type 3A, non rated, (1) layer 5/8" type GWB gypsum wall board to each side with 3 5/8" cold formed metal stud at 16" O.C and 4 7/8" wall thickness with batt insulation STC rating-39.	224	SF	18.75	4,200
549	Transfer door/frame installation to Drywall	5	EA	500.00	2,500
550	Allow for rough carpentry and blocking	59,819	SF	0.48	28,713
551	<u>Ceiling</u>				
552	Gypsum board	263	SF	18.20	4,787
553	GWB - Bulkhead at auditorium	384	SF	22.00	8,448
554	GWB - Bulkhead	25	SF	22.00	550
555	<u>Additional Program</u>				
556	<u>Exterior Enclosure</u>				
557	FCBP-1, Fiber Cement panel backup	308	SF		Quantity only
558	8" CFMF	308	SF	12.00	3,691
559	1/2" exterior gypsum sheathing	308	SF	4.70	1,446
560	6" mineral wool batt insulation	308	SF	4.50	1,384
561	5/8" interior GWB	308	SF	4.50	1,384
562	3/4" PT plywood roof decking - Not Required	0	SF	4.50	
563	<u>Interior Construction</u>				
564	<u>Interior Partitions - Drywall, refer drawing no- A101,A102 & A103 and partition schedule On A002.</u>				
565	Type 20, non rated, (2) layer 5/8" type GWB gypsum wall board to each side with 3 5/8" cold formed metal stud at 16" O.C and 10 3/4" wall thickness with 3" sound attenuation batt insulation both sides STC rating-65.	1,586	SF	31.25	49,563
566	Type 21, non rated, (2) layer 5/8" type GWB gypsum wall board to one side and (1) layer 5/8" type GWB gypsum wall board to other side with 3 5/8" cold formed metal stud at 16" O.C and 7 1/8" wall thickness and resilient mount and 7/8" furring channel with batt insulation STC rating-60.	350	SF	25.00	8,750
567	7"W - Solid surface sill at storefront windows	37	LF	30.00	1,110
568	Transfer door/frame installation to Drywall	9	EA	500.00	4,500
569	Allow for rough carpentry and blocking	859	SF	2.00	1,718
570	Patching and repairs at existing drywall	1	LS	14,000.00	14,000
571	<u>Ceiling</u>				
572	Gypsum board	250	SF	18.20	4,550
573	GWB - Bulkhead 1'5"	129	SF	22.00	2,838
574					
575	TILE & STONE				1,23,474
576	<u>Accessibility</u>				
577	<u>Floor finish</u>				
578	POR-1 - Porcelain Floor tile	806	SF	25.50	20,553
579	POR-2 - Porcelain Floor tile	143	SF	25.50	3,654
580	POR-3 - Porcelain Floor tile, with waterproof membrane	826	SF	31.00	25,606
581	<u>Base finish</u>				
582	CTB-1 - Ceramic tile base	49	LF	18.00	882
583	CTB-3 - Ceramic tile base	443	LF	18.00	7,974
584	POR - 1 - Porcelain tile base	146	LF	18.00	2,628

585	<u>Wall finish</u>				
586	CT-1 - Ceramic wall tile	355	SF	29.00	10,291
587	CT-2 - Ceramic wall tile	574	SF	29.00	16,646
588	CT-3 - Ceramic wall tile	275	SF	29.00	7,975
589	CT-4 - Ceramic wall tile	826	SF	29.00	23,954
590	<u>Critical Repairs</u>				
591	<u>Wall finish</u>				
592	CT-1 - Ceramic wall tile	19	SF	29.00	555
593	CT-3 - Ceramic wall tile	95	SF	29.00	2,755
594	<u>Additional Program</u>				
595	No work in this section				No Work
596					
597	ACOUSTIC CEILINGS				3,61,329
598	<u>Accessibility</u>				
599	<u>Ceiling</u>				
600	Temporarily remove ACT as required to access plumbing chase	57	SF	3.50	200
601	Remove and salvage ACT ceiling for the reinstallation , salvage light grills and other ceiling mounted appurtenances.	1,268	SF	3.00	3,804
602	ACP-1 - Acoustic ceiling panel; Manuf.: AUTEK; Size - 48" x 96"	325	SF	55.00	17,875
603	ACT-1 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"	319	SF	9.40	2,998
604	ACT-3 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"; (Salvaged ACT in existing grid)	72	SF	5.00	360
605	ACT-4 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"; (New ACT for wet locations)	1,772	SF	9.80	17,366
606	ACT-5 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 12" x 72"	1,176	SF	11.00	12,936
607	Specialty - Ceiling Clouds at Auditorium, acoustic blanket	1,345	SF	54.00	72,630
608	Replace damaged ceiling tiles - Allowance	1	LS	12,000.00	12,000
609	<u>Critical Repairs</u>				
610	<u>Ceiling</u>				
611	Remove and salvage ACT ceiling for the reinstallation , salvage light grills and other ceiling mounted appurtenances.	10,885	SF	3.00	32,655
612	ACP-1 - Acoustic ceiling panel; Manuf.: AUTEK; Size - 48" x 96"	602	SF	55.00	33,111
613	ACT-1 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"	9,623	SF	9.40	90,456
614	ACT-2 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"; (New ACT in existing grid)	116	SF	12.00	1,393
615	ACT-3 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"; (Salvaged ACT in existing grid)	10,112	SF	5.00	50,560
616	ACT-4 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"; (New ACT for wet locations)	94	SF	9.80	921
617	<u>Additional Program</u>				
618	<u>Ceiling</u>				
619	ACT-1 - Acoustic ceiling tile; Manuf.: ARMSTRONG; Size - 24" x 24"	185	SF	9.40	1,739
620	Acoustical ceiling baffle 12" OC	192	LF	50.00	9,600
621	Integral metal edge band at ceiling, as per A420 and A421	29	LF	25.00	725
622					
623	WOOD FLOORING/CEILING				0
624	<u>Accessibility</u>				
625	<u>Ceiling</u>				
626	No work in this section				No Work
627	<u>Critical Repairs</u>				
628	No work in this section				No Work
629	<u>Additional Program</u>				
630	No work in this section				No Work
631					
632	CARPET & RESILIENT FLOORING				54,217
633	<u>Accessibility</u>				
634	<u>Floor finish</u>				
635	CPT-1 - Carpet tile; Manuf.: MANNINGTON	463	SF	7.00	3,241
636	Conc-S - Sealed concrete	74	SF	1.00	74
637	EM-1 - Entrance mat at Entry Vestibule	106	SF	50.00	5,290
638	Lin-1 - Linoleum Sheet; Manuf.: FORBO MARMOLEUM	909	SF	8.50	7,727
639	Lin-3 - Linoleum Sheet; Manuf.: FORBO MARMOLEUM	457	SF	8.50	3,885
640	RFT-1 - Rubber floor tile; Manuf.: INTERFACE NORA	153	SF	11.50	1,760
641	RFT-1 - Rubber floor tile; Manuf.: INTERFACE NORA on ramp	292	SF	11.50	3,358
642					
643	Allow for new floor finish on demolished concrete riser as required for new accessible seating area at auditorium.	53	SF	25.00	1,325
644					
645	Rubber finish on Treads (12 nos); Size - 7'1" x 11" at transition stair	78	SF	15.00	1,169
646	Rubber finish on Risers (13 nos); Size - 7'1" x 7" at transition stair	54	SF	15.00	806
647					
648	LIN-1 to RFT-1 - Floor transition	15	LF	35.00	525
649	LIN-1 to CPT-1 - Floor transition	8	LF	35.00	272
650	<u>Base finish</u>				

651	RB - Rubber base	34	LF	4.50	153
652	RB-1 - Rubber base; Manuf.: JOHNSITE	424	LF	4.50	1,908
653	RB-2 - Rubber base; Manuf.: JOHNSITE	84	LF	4.50	378
654	RB-4 - Rubber base; Manuf.: JOHNSITE	22	LF	4.50	99
655	Critical Repairs				
656	<u>Floor finish</u>				
657	Conc-S - Sealed concrete	46	SF	1.00	46
658	CPT-1 - Carpet tile; Manuf.: MANNINGTON	95	SF	7.00	665
659	Lin-2 - Linoleum Sheet; Manuf.: FORBO MARMOLEUM	222	SF	8.50	1,887
660	VCT-1	85	SF	5.50	468
661	Provide allowance for terrazzo floor repair after removal of walls & carpet at Lobby-106SH; As per plan A101 page 23 of 101	220	SF	50.00	11,000
662	<u>Base finish</u>				
663	RB-2 - Rubber base; Manuf.: JOHNSITE	224	LF	4.50	1,006
664	RB-4 - Rubber base; Manuf.: JOHNSITE	54	LF	4.50	244
665	Additional Program				
666	<u>Floor finish</u>				
667	Lin-2 - Linoleum Sheet; Manuf.: FORBO MARMOLEUM	219	SF	8.50	1,864
668	Lin-3 - Linoleum Sheet; Manuf.: FORBO MARMOLEUM	503	SF	8.50	4,276
669	<u>Base finish</u>				
670	RB-1 - Rubber base; Manuf.: JOHNSITE	177	LF	4.50	795
671					
672	ACOUSTIC INSULATION				39,150
673	<u>Accessibility</u>				
674	AWP - Acoustic wall panels	33	SF	50.00	1,650
675	Critical Repairs				no work
676	No work in this section				No Work
677	Additional Program				
678	AWP-1 - Acoustic wall panels	205	SF	50.00	10,250
679	AWP-2 - Acoustic wall panels	233	SF	50.00	11,650
680	AWP-3 - Acoustic wall panels	312	SF	50.00	15,600
681					
682	PAINTING & WALLCOVERING				96,528
683	<u>Accessibility</u>				
684	<u>Wall finish</u>				
685	PT-1 - Paint; Manuf.: BENJAMIN MOORE; Color: Eggshell	8,147	SF	2.00	16,294
686	PT-4 - Paint; Manuf.: BENJAMIN MOORE; Color: Eggshell	2,904	SF	2.00	5,808
687	PT-6 - Paint	863	SF	2.00	1,726
688	Paint existing masonry	1	LS	10,000.00	10,000
689	Paint on column - allow	217	SF	2.00	434
690	Paint doors and frame	18	EA	118.00	2,124
691	Misc. paint touch up	1	LS	2,500.00	2,500
692	Paint new rails	1	LS	3,400.00	3,400
693	Paint ramp walls	1	LS	1,500.00	1,500
694	<u>Ceiling</u>				
695	Exposed	12	SF	4.50	54
696	Paint on exposed deck	591	SF	4.50	2,660
697	Paint GWB Bulkhead (as per 2/A430)	98	SF	3.50	343
698	Critical Repairs				
699	<u>Floor finish</u>				
700	PT-7 - Paint, painted concrete floor	227	SF	5.00	1,134
701	<u>Wall finish</u>				
702	PT-1 - Paint; Manuf.: BENJAMIN MOORE; Color: Eggshell	1,320	SF	2.00	2,640
703	PT-4 - Paint; Manuf.: BENJAMIN MOORE; Color: Eggshell	2,435	SF	2.00	4,870
704	Paint doors and frame	5	EA	118.00	590
705	Misc. paint touch up	1	LS	2,500.00	2,500
706	<u>Ceiling</u>				
707	Exposed	4,629	SF	4.50	20,831
708	Paint on Gypsum board	263	SF	4.50	
709	Paint above ceiling at Auditorium - allow	2,413	SF	3.50	8,446
710	Staging at Auditorium				Incl. with GR
711	Additional Program				
712	<u>Wall finish</u>				
713	PT-1 - Paint; Manuf.: BENJAMIN MOORE; Color: Eggshell	2,046	SF	2.00	4,092
714	Paint doors and frame	9	EA	118.00	1,062
715	Misc. paint touch up	1	LS	2,500.00	2,500
716	<u>Ceiling</u>				
717	Paint on exposed deck	31	SF	4.50	140
718	PTD GWB Ceiling	252	SF	3.50	882
719					
720	MISC. SPECIALTIES/SIGNAGE/OPERABLE PARTITIONS				98,910
721	<u>Accessibility</u>				
722	Bathroom Accessories-as per details on drawings A-410 & a411				

723	TPN-Toilet Partition	17	EA	2,100.00	35,700
724	GB-Grab Bar	37	EA	250.00	9,250
725	HD- Hand Dryer	14	EA	300.00	4,200
726	MIR1-Mirror-Size; 7'0" wide x 2'6" High	2	EA		<i>Incl. wi Glazing</i>
727	MIR2-Mirror-Size; 1'6" wide x 2'6" High	19	EA		<i>Incl. wi Glazing</i>
728	RB-Robe Hooks	35	EA	55.00	1,925
729	SDS-Soap Dispenser	20	EA	150.00	3,000
730	SND-Sanitary Napkin Disposal	15	EA	150.00	2,250
731	TTD-Toilet Tissue Dispenser	29	EA	125.00	3,625
732	UPN-Urinal Partition-Size; 1'0" Wide x 4'0" high	6	EA	950.00	5,700
733	Floor mounted, overhead braced color-through phenolic toilet partitions	6	EA	2,200.00	13,200
734	WR-Waste Receptacle	12	EA	500.00	6,000
735	PTD-Paper Towel Dispenser	13	EA	400.00	5,200
736	Allow for interior code signage	11,514	SF	0.32	3,684
737	Critical Repairs				
738	Allow for interior code signage	43,597	SF	0.10	4,360
739	Additional Program				
740	Allow for interior code signage	859	SF	0.95	816
741					
742	EQUIPMENT				23,160
743	Accessibility				
744	No work in this section				<i>No Work</i>
745	Critical Repairs				
746	Flat screen Size; 3'9" wide x 2'5" high-as per detail-01 on drawing-A420	1	EA	5,000.00	5,000
747	Salvage existing stage curtain and speakers	1	LS	4,000.00	4,000
748	Reinstall stage curtains	1	LS	3,500.00	3,500
749	Additional Program				
750	Motorized Projector Screen-Size;10'0" wide x 9'0" high-as per detail-03 on drawing-A421	1	EA	8,500.00	8,500
751	Markerboard, Size; 6'0" wide x 4'0" high-as per detail-03 on drawing-A421	2	EA	1,080.00	2,160
752					
753	FURNISHINGS				33,000
754	Accessibility				
755	New wheel chair space and companion seat-as per detail on drawing A101	1	EA	1,000.00	1,000
756	New ADA space and companion seats-as per detail on drawing A101	4	EA	1,000.00	4,000
757	New ADA space and companion seats-as per detail on drawing A101	2	EA	1,000.00	2,000
758	Total New Aisle seats w/o armrests-as per detail on drawing A101	6	EA	1,000.00	6,000
759	New Lecture Hall seats	20	EA	1,000.00	20,000
760	Critical Repairs				
761	Additional Program				
762	No work in this section				<i>No Work</i>
763					
764	WINDOW TREATMENT				19,000
765	Accessibility				
766	Allow for window treatment	1	LS	15,000.00	15,000
767					
768	Additional Program				
769	Allow for window treatment	1	LS	4,000.00	4,000
770					
771	SPECIAL CONSTRUCTION				0
772	Accessibility				
773	No work for Accessibility				<i>No Work</i>
774	Critical Repairs				
775	No work for Additional Program Funding				<i>No Work</i>
776	Additional Program				
777	No work for Additional Program Funding				<i>No Work</i>
778					
779	ELEVATORS/CONVEYING				75,000
780	Accessibility				
781	<u>Vertical Conveying Systems</u>				
782	Type Lobby accessibility Lift from stage level to New Entry level-Refer drawings A400.1, detail-01.	1	EA	37,500.00	37,500
783	Type Additional accessibility Lift from stage level to New Entry level-Refer drawings A400.1-detail-02	1	EA	37,500.00	37,500
784	Critical Repairs				
785	No work for Additional Program Funding				<i>No Work</i>
786	Additional Program				
787	No work for Additional Program Funding				<i>No Work</i>
788					
789	FIRE PROTECTION				4,10,439
790	Accessibility				
791	Selective Demolition				
792	Fire suppression				

793	Sprinkler removal	7	EA	75.00	525
794	sprinkler pipe removal	67	LF	25.00	1,675
795					
796	<u>New Work</u>				
797	Fire Suppression				
798	<u>Sprinkler Pipe & sprinkler drop</u>				
799	Sprinkler pipe connect to existing	3	EA	531.00	1,593
800	Sprinkler mains 4"	132	LF	85.00	11,220
801	Sprinkler branch	350	LF	35.00	12,250
802	<u>Sprinkler Heads</u>				
803	Pendant sprinkler head concealed	43	EA	227.62	9,788
804	Upright sprinkler	7	EA	193.12	1,352
805	DRY pendent sprinkler	1	EA	227.62	228
806	<u>Miscellaneous</u>				
807	Sleeves & fire stopping, vibration isolation / seismic restraints, hydraulic calculation	1	LS	3,643.01	3,643
808	<u>Critical Repairs</u>				
809	<u>Sprinkler system</u>				
810	Sprinkler pipe connect to existing -4"	15	EA	331.00	4,965
811	FCVA: floor control valve assembly	2	EA	5,158.14	10,316
812	Sprinkler mains 4"	661	LF	85.00	56,185
813	Sprinkler mains 2-1/2"	408	LF	65.00	26,520
814	Sprinkler mains 2"	858	LF	55.00	47,190
815	Sprinkler branch	2,453	LF	35.00	85,855
816	<u>Stand Pipe system</u>				
817	Stand Pipe mains	136	LF	111.29	15,135
818	NEW Fire Hose Valve (FHV)	1	EA	1,125.75	1,126
819	Relocation Fire Hose Valve (FHV)	1	EA	552.00	552
820	<u>Sprinkler Heads</u>				
821	Pendant sprinkler head concealed	332	EA	227.62	75,570
822	Upright sprinkler	25	EA	193.12	4,828
823	Side wall sprinkler	2	EA	206.18	412
824	Heads above clouds	25	EA	227.62	5,691
825	<u>Miscellaneous</u>				
826	Sleeves & fire stopping, vibration isolation / seismic restraints, hydraulic calculation	1	LS	26,292.35	26,292
827	<u>Additional Program</u>				
828	Fire Suppression				
829	<u>Sprinkler Pipe</u>				
830	Sprinkler branch	111	LF	35.00	3,885
831	<u>Sprinkler Heads</u>				
832	Pendant sprinkler head concealed	13	EA	227.62	2,959
833	<u>Miscellaneous</u>				
834	Sleeves & fire stopping, vibration isolation / seismic restraints, hydraulic calculation	1	LS	684.40	684
835					
836	PLUMBING				7,82,105
837					
838	<u>Accessibility</u>				
839	<u>Selective Demolition</u>				
840	Plumbing Fixtures removal				
841	Water closet	13	EA	800.00	10,400
842	urinal	11	EA	850.00	9,350
843	Lavatories	10	EA	650.00	6,500
844	Domestic Water Distribution				
845	Drinking fountain	4	EA	550.00	2,200
846	water heater	2	EA	800.00	1,600
847	Allowance for Domestic cold & hot water pipe removal for all the fixtures	1	LS	15,000.00	15,000
848	Sanitary system				
849	Allowance for waste & vent pipe removal for all the fixtures	1	LS	10,000.00	10,000
850					
851	<u>Storm system</u>				
852	RD-1 ,roof drain Removal	3	EA	450.00	1,350
853	pipe removal	30	LF	30.00	900
854					
855	<u>New Work</u>				
856	<u>Plumbing Fixtures</u>				
857	WC-1, watercloset, kohler "kingston" #k-4330, vitreous China, 1.28 gallons per flush,	17	EA	3,090.38	52,536
858	WC-1A, ADA-waterclosets, kohler "kingston" #k-4330, vitreous China, 1.28 gallons per flush,	13	EA	3,281.63	42,661
859	UR-1: urinals, Kohler "bardon" #k-4991, vitreous China, .125 gallons per flush,	4	EA	2,994.75	11,979
860	UR-1A: ADA urinals, Kohler "bardon" #k-4991, vitreous China, .125 gallons per flush,	4	EA	2,994.75	11,979
861	Electronic flush valves on WC's & urinals	38	EA	784.88	29,825
862	L-1,ADA Lavatory counter mount Kohler "pennington" #k-2193, 20"x17", vitreous China lavatory	4	EA	2,635.88	10,544

863	L-1A,ADA Lavatory Wall mount Kohler "pennington" #k-2193, 20"x17", vitreous China lavatory	17	EA	2,635.88	44,810
864	Electronic sensors for lavatories	22	EA	526.13	11,575
865	MSB-1: mop sink, fiat #msb-2424 molded stone mop service basin with #830-aa service faucet and vacuum	1	EA	2,929.84	2,930
866	EWC-1:Electric water cooler haws #h1011.8 stainless steel dual height electric water cooler, 18 gauge type 304	2	EA	7,265.25	14,531
867	EWC-2:Electric water cooler provide and install elkay vrctr8wsk bi-level water cooler with bottle fill station.	4	EA	7,743.38	30,974
868	HB-1, Hose Bib JRS #5672-BFP, brass construction wall faucet with vacuum breaker, backflow preventer	5	EA	560.98	2,805
869					
870	<u>Domestic Water Distribution</u>				
871	Electric Water heater 120 gallon	2	EA	15,000.00	30,000
872	Domestic hot water return pump	1	EA	4,905.75	4,906
873	WHA-1, water hammer arrester JRS #520-T series piston type water hammer arrester	7	EA	435.38	3,048
874	TMV-1,thermostatic mixing valve	1	EA	1,869.68	1,870
875	BV-1 ,balancing valve bell & gossett circuit setter plus calibrated balancing valve with bronze body	1	EA	1,529.25	1,529
876	GV, Gate valve -2-1/2"	3	EA	998.25	2,995
877	GV, Gate valve -1"	4	EA	764.63	3,059
878	GV, Gate valve -3/4"	3	EA	669.00	2,007
879					
880	<u>Piping: water (hw/cw s&r) - mains/branch</u>				
881	Horizontal & Risers				
882	-2-1/2"	236	LF	110.20	26,007
883	-2"	117	LF	69.99	8,189
884	-1-1/2"	228	LF	54.11	12,337
885	-1"	470	LF	35.92	16,882
886	-3/4"	313	LF	29.58	9,259
887	-1/2"	86	LF	22.79	1,960
888	- drop connection to fixtures	744	LF	22.79	16,956
889	-Insulation,	2,194	LF	35.00	76,790
890					
891	<u>Sanitary Drainage</u>				
892	FCO-1 floor cleanout jrs #40235-ns-ss-u adjustable cast iron cleanout	9	EA	813.38	7,320
893	FD-1 floor drain jrs #2210, cast iron floor drain with 8-1/2" cast iron grate and sediment bucket. provide with 1/2" trap primer tapping,				
894	FD-4"	11	EA	972.75	10,700
895	FD-3"	5	EA	850.00	4,250
896	4"VTR,vent through roof	4	EA	1,218.75	4,875
897	3"VTR,vent through roof	2	EA	1,000.00	2,000
898					
899	<u>Piping: Sanitary (S,W,V) - mains/branch: A/G</u>				
900	Horizontal & Risers				
901	-4"	566	LF	81.25	45,988
902	-3"	146	LF	70.15	10,242
903	-2"	307	LF	58.86	18,070
904	-drop connection to fixtures	1,008	LF	58.86	59,331
905	-Water carrying piping with leak detection system & drip tray	20	LF	58.86	1,177
906					
907	<u>Storm system</u>				
908	RD-1 ,roof drain jrs #1015, cast iron construction with adjustable extension for insulation	4	EA	1,486.50	5,946
909	BWV-1 , Back water valve JRS #7022Y, Cast iron Back water valve	1	EA	2,463.75	2,464
910					
911	<u>Piping: Rain water (RWL) - mains/branch,</u>				
912	Horizontal & Risers				
913	-6"	27	LF	133.99	3,618
914	-4"	190	LF	81.25	15,438
915	-branch connection to fixtures	20	LF	81.25	1,625
916	Insulation	237	LF	45.00	10,665
917					
918	<u>Miscellaneous</u>				
919	Sleeves & fire stopping	1	LS	3,000.00	3,000
920	Testing & sanitizing	1	LS	10,329.73	10,330
921	Rigging & Handling	1	LS	5,500.00	5,500
922	Vibration Isolation / Seismic Restraints	1	LS	6,500.00	6,500
923	<u>Critical Repairs</u>				
924	<u>Storm system</u>				
925	RD-1 ,roof drain jrs #1015, cast iron construction with adjustable extension for insulation	3	EA	1,486.50	4,460
926					
927	<u>Piping: Rain water (RWL) - mains/branch,</u>				

928	Horizontal & Risers				
929	-6"	30	LF	133.99	4,020
930	Insulation	30	LF	45.00	1,350
931					
932	<u>Miscellaneous</u>				
933	Sleeves & fire stopping	1	LS	500.00	500
934	Testing & sanitizing	1	LS	147.44	147
935	Rigging & Handling	1	LS	150.00	150
936	Vibration Isolation / Seismic Restraints	1	LS	200.00	200
937	<u>Additional Program</u>				
938	No work for Additional Program Funding				No Work
939					
940	HVAC				20,55,169
941					
942	<u>Accessibility</u>				
943	<u>New Work</u>				
944	<u>Air Handling Units</u>				
945	DOAS-1; 2000 CFM, 100%OA, 90MBH DX cooling Capacity, 75 MBH Hot water heating capacity, w/ Enthalpy energy recovery wheel & ECM, Supply fan 6hp, Exhaust Fan 6hp, 460V/3ph/60hz, 30.1 FLA, w/ freeze protection pump and VAV control, Make- Trane, Model- Horizon - OABD096	1	EA	1,25,000.00	1,25,000
946					
947	<u>Fans</u>				
948	EF-1; 1800 CFM, Downblast, Direct drive, 1/2hp, 120V/1ph/60hz, 6.6 FLA, Make-GREENHECK, Model- G-140-VG	1	EA	5,400.00	5,400
949					
950	<u>Terminal Units</u>				
951	ACCU-1, Air cooled condensing unit, 14 Ton, 168000 BTUH cooling capacity, 188000 BTUH heating capacity, R410A, 460V/3ph/60hz, 26 MCA, w/ basepan heater, 18" High stand, capable of heat recovery heat pump, Bacnet Integration, Make-Trane-Mitsubishi, Model-PURY-EP168	1	EA	38,000.00	38,000
952	BC-1; Branch Connector	1	EA	4,500.00	4,500
953	FCU-1; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz, 2.3 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	3,500.00	3,500
954	FCU-2; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz, 1.75 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	2,925.00	2,925
955	FCU-3; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz, 2.3 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	3,500.00	3,500
956	FCU-4; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz, 2.3 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	3,500.00	3,500
957	FCU-6; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz, 1.75 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	2,925.00	2,925
958	FCU-7; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz, 2.3 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	3,500.00	3,500
959	FCU-8; Fan Coil Unit, 18000 BTUH cooling Capacity, 20000 BTUH Heating Capacity, 500 CFM, 208V/1ph/60hz, 2.94 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	4,000.00	4,000
960	VAV-1; Air terminal unit, 100 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
961	VAV-2; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
962	VAV-3; Air terminal unit, 100 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
963	VAV-4; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
964	VAV-6; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
965	VAV-7; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
966	VAV-8; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
967	FTR-A: fin-tube radiation - 2.5' Length, 1 Rows, 290 BTU/LF, Make- Runtal, Model- RF-2	1	EA	312.50	313
968	FTR-A: fin-tube radiation - 3.0' Length, 1 Rows, 290 BTU/LF, Make- Runtal, Model- RF-2	2	EA	375.00	750
969	FTR-A: fin-tube radiation - 7' Length, 1 Rows, 290 BTU/LF, Make- Runtal, Model- RF-2	1	EA	875.00	875
970	FTR-A: fin-tube radiation - 8' Length, 1 Rows, 290 BTU/LF, Make- Runtal, Model- RF-2	1	EA	1,000.00	1,000
971	FTR-A: fin-tube radiation - 8.5' Length, 1 Rows, 290 BTU/LF, Make- Runtal, Model- RF-2	1	EA	1,062.50	1,063
972	FTR-B: fin-tube radiation - 6' Length, 1 Rows, 374 BTU/LF, Make- Runtal, Model- RF-2	1	EA	750.00	750
973	FTR-B: fin-tube radiation - 6.5' Length, 1 Rows, 374 BTU/LF, Make- Runtal, Model- RF-2	1	EA	812.50	813
974	FTR-B: fin-tube radiation - 7' Length, 1 Rows, 374 BTU/LF, Make- Runtal, Model- RF-2	1	EA	875.00	875
975	FTR-C: fin-tube radiation - 3' Length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	2	EA	375.00	750
976	FTR-C: fin-tube radiation - 4' Length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	3	EA	500.00	1,500
977	FTR-C: fin-tube radiation - 5' Length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	2	EA	625.00	1,250
978	FTR-C: fin-tube radiation - 9' Length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	1	EA	1,125.00	1,125
979	CUH-B; Cabinet unit heater; 345 CFM, 17MBH, 1.7GPM, 120V/1ph/60hz, 1.4MCA, w/ aquastat control, Make- Vulcan, Model- C-1060-04	1	EA	2,750.00	2,750

980					
981	<u>Pipe and Fittings</u>				
982	Connect to existing hot water pipe: 3/4"	6	EA	300.00	1,800
983	HWS/R; hot water supply/return pipe				
984	- 2 1/2"	7	LF	90.00	630
985	- 1 1/4"	208	LF	70.00	14,560
986	- 3/4"	777	LF	56.59	43,970
987	Branch pipe for terminal units (Fintube Radiation, Cabinet unit Heater)	180	LF	56.59	10,186
988	Insulation on hot water pipe	1,172	LF	10.00	11,720
989	Secondary Valve Sets (Hot Water)	18	EA	550.00	9,900
990	Control Valve Sets for Terminals (Assumes individual control)				
991	- FTR-A; Finned tube radiation	17	EA		incl. in BMS
992	- CUH-B; Cabinet unit heater	1	EA		incl. in BMS
993	Refrigerant Main Pipe- Unsized	691	LF	44.28	30,597
994	Refrigerant Branch Pipe for FCU - Unsized	112	LF	44.28	4,959
995	Insulation on Refrigerant piping	803	LF	7.00	5,621
996	Condensate Drain	157	LF	33.99	5,336
997	Insulation on condensate drain piping	157	LF	7.00	1,099
998	Secondary Valve Sets (Refrigerant)	7	EA	550.00	3,850
999	Control Valve Sets for Terminals (Assumes individual control)				
1,000	- Condensing Unit	1	EA		incl. in BMS
1,001	- Indoor unit	7	EA		incl. in BMS
1,002					
1,003	<u>Sheetmetal & Accessories</u>				
1,004	Galvanized ductwork	4,803	LBS	18.00	86,454
1,005	Galvanized ductwork - Reconciliation adjustment	4,000	LBS	18.00	72,000
1,006	Insulation	6,772	SF	6.00	40,629
1,007	Connect to existing Duct; 8 x 8	1	EA	750.00	750
1,008	Diffuser, Registers & Grilles: Make- Tuttle & Bailey				
1,009	- A4: Ceiling Supply Diffuser: 200 CFM, Model- ARC	2	EA	532.50	1,065
1,010	- B: Ceiling Exhaust Grille, 50 CFM, Model- A70D	1	EA	532.50	533
1,011	- B: Ceiling Exhaust Grille, 75 CFM, Model- A70D	7	EA	532.50	3,728
1,012	- B: Ceiling Exhaust Grille, 150 CFM, Model- A70D	6	EA	532.50	3,195
1,013	- B: Ceiling Exhaust Grille, 225 CFM, Model- A70D	2	EA	532.50	1,065
1,014	- B: Ceiling Exhaust Grille, 275 CFM, Model- A70D	1	EA	532.50	533
1,015	- B: Ceiling Exhaust Grille, 300 CFM, Model- A70D	1	EA	532.50	533
1,016	- B: Ceiling Exhaust Grille, 350 CFM, Model- A70D	1	EA	532.50	533
1,017	- B: Ceiling Return Grille, 100 CFM, Model- A70D	2	EA	532.50	1,065
1,018	- B: Ceiling Return Grille, 300 CFM, Model- A70D	1	EA	532.50	533
1,019	- B: Ceiling Return Grille, 350 CFM, Model- A70D	1	EA	532.50	533
1,020	- B: Ceiling Return Grille, 400 CFM, Model- A70D	1	EA	532.50	533
1,021	- B: Ceiling Return Grille, 450 CFM, Model- A70D	1	EA	532.50	533
1,022	- B: Ceiling Return Grille, 500 CFM, Model- A70D	1	EA	532.50	533
1,023	- B: Ceiling Return Grille, 600 CFM, Model- A70D	1	EA	532.50	533
1,024	- B: Wall Exhaust Grille, 50 CFM, Model- A70D	1	EA	532.50	533
1,025	- C1: Linear slot diffuser: 100 CFM, 4' Length, Model- 6000	4	EA	532.50	2,130
1,026	- C1: Linear slot diffuser: 125 CFM, 4' Length, Model- 6000	2	EA	532.50	1,065
1,027	- C1: Linear slot diffuser: 150 CFM, 6' Length, Model- 6000	2	EA	532.50	1,065
1,028	- C1: Linear slot diffuser: 200 CFM, 4' Length, Model- 6000	4	EA	532.50	2,130
1,029	- C1: Linear slot diffuser: 250 CFM, 6' Length, Model- 6000	1	EA	532.50	533
1,030	Volume Control Damper				
1,031	- 14" x 8"	6	EA	400.00	2,400
1,032	- 12" x 10"	1	EA	400.00	400
1,033	- 8" x 8"	22	EA	300.00	6,600
1,034					
1,035	<u>Building Management Systems</u>				
1,036	DOAS @ 25 Pts each- allow	25	PTS	1,200.00	Excluded, assumed packaged controls
1,037	EF-1; Exhaust Fan @ 3 Pts each	3	PTS	1,200.00	3,600
1,038	ACCU-1 @ 6 Pts each- allow	6	PTS	800.00	4,800
1,039	FCU with VAV @ 8 Pts each	56	PTS	800.00	44,800
1,040	Fintube Radiator @ 5 Pts each	85	PTS	800.00	68,000
1,041	Cabinet unit heater @ 4 Pts each	4	PTS	800.00	3,200
1,042	Tie to existing BMS system	1	LS	2,500.00	2,500
1,043					
1,044	<u>Miscellaneous</u>				
1,045	Testing, commissioning & balancing	1	LS	28,860.93	28,861
1,046	Cleaning and repairing of leakage duct	1	LS	7,500.00	7,500
1,047	Rigging and Handling	1	LS	9,500.00	9,500
1,048	Commissioning Support	1	LS	7,500.00	7,500
1,049	Co-ordination, rigging, CAD, Sub-trade On Costs, temp requirements	1	LS	25,000.00	25,000

1,050	Critical Repairs				
1,051	Selective Demolition				
1,052	Air Handling Units				
1,053	AHU-20; Remove Existing Auditorium AHU 13000 CFM along with all associated piping and controls	1	EA	25,000.00	25,000
1,054	Rf-21; Remove Return Fan associated with AHU-20	1	EA		<i>Incl. Above</i>
1,055	AHU-22; Remove Existing Classroom AHU 3000 CFM along with all associated piping and controls	1	EA	16,500.00	16,500
1,056	Rf-23; Remove Return Fan associated with AHU-22	1	EA		<i>Incl. Above</i>
1,057	DSA-Ex; Remove sound Attenuator, (serving AHU-20, 13000 CFM)	3	EA		<i>Incl. Above</i>
1,058	Remove VFD associated with AHU	4	EA		<i>Incl. Above</i>
1,059					
1,060	Fans				
1,061	EF-15/16/17/18/19; Remove Exhaust Fan	5	EA	3,750.00	18,750
1,062	EF-Ex; Remove Existing Exhaust Fan	2	EA	3,750.00	7,500
1,063					
1,064	Terminal Units				
1,065	AC-Ex; Remove Existing wall mounted split unit along with all associated piping and controls	4	EA	1,000.00	4,000
1,066	ACCU-Ex; Remove Existing air cooled condensing unit mounted on wall bracket serving split unit	2	EA	850.00	1,700
1,067	ACCU-20; Remove Existing air cooled condensing unit	1	EA	14,000.00	14,000
1,068	ACCU-22; Remove Existing air cooled condensing unit and dunnage supports	1	EA	7,500.00	7,500
1,069	EBR-Ex; Remove Electric baseboard radiation	20	EA	625.00	12,500
1,070	ECUH-EX; Remove Electric Cabinet unit heater	3	EA	500.00	1,500
1,071					
1,072	Sheetmetal & Accessories				
1,073	Remove Ductwork	1,280	LF	25.00	32,000
1,074	- Duct: 12 x 13	160	LF		<i>Incl. above</i>
1,075	- Duct: 16 x 14	70	LF		<i>Incl. above</i>
1,076	- Duct: 16 x 16	216	LF		<i>Incl. above</i>
1,077	- Duct: 26 x 16	25	LF		<i>Incl. above</i>
1,078	- Duct: 50 x 16	31	LF		<i>Incl. above</i>
1,079	- Duct: Ex: 12 x 12	14	LF		<i>Incl. above</i>
1,080	- Duct: Ex: 10 x 10	103	LF		<i>Incl. above</i>
1,081	- Duct: Ex: 8 x 8	131	LF		<i>Incl. above</i>
1,082	- Duct: Ret: 24 x 20	73	LF		<i>Incl. above</i>
1,083	- Duct: Ret: 38 x 20	43	LF		<i>Incl. above</i>
1,084	- Duct: Ret: 48 x 20	45	LF		<i>Incl. above</i>
1,085	- Duct: Sup: 20 x 12	55	LF		<i>Incl. above</i>
1,086	- Duct: Sup: 30 x 14	53	LF		<i>Incl. above</i>
1,087	- Duct: Sup: unsized	148	LF		<i>Incl. above</i>
1,088	- Duct:OA: 60 x 28	73	LF		<i>Incl. above</i>
1,089	- Risers Duct: Ex 10 x 10: 10' LF	40	LF		<i>Incl. above</i>
1,090	Assumed existing toilet area duct for demolition	1	LS	1,500.00	1,500
1,091	Remove Registers, Grilles, and Diffusers	55	EA	150.00	8,250
1,092	Remove Louver 60 x 28	2	EA	500.00	1,000
1,093	Remove Louver 60 x 28	2	EA	500.00	1,000
1,094	Remove Louver 60 x 28	2	EA	500.00	1,000
1,095	New Work				
1,096	Air Handling Units				
1,097	RTU-1; Packaged rooftop unit, 13000 CFM, 552 MBH DX cooling capacity, 580 MBH Hot water heating capacity, Supply fan 20hp, Exhaust fan 7.5 hp, 129 MCA, 460V/3ph/60hz, w/ full economizer, vav controls, Bacnet integration, ECM, freeze protection pump, Make- Trane, Model- Intellipak	1	EA	1,37,000.00	1,37,000
1,098	DSA-1; Sound Attenuator, 10200CFM, Make- VIBRO-ACOUSTICS, Model- RFL	1	EA	11,730.00	11,730
1,099	DSA-2; Sound Attenuator, 8500CFM, Make- VIBRO-ACOUSTICS, Model- RFL	1	EA	9,775.00	9,775
1,100	DSA-3; Sound Attenuator, 1700CFM, Make- VIBRO-ACOUSTICS, Model- RFL	1	EA	1,955.00	1,955
1,101	RTU-2; Packaged rooftop unit, 4000 CFM, 120 MBH DX cooling capacity, 150 MBH Hot water heating capacity, Supply fan 3hp, 21 MCA, 460V/3ph/60hz, w/ full economizer, vav controls, Bacnet integration, ECM, freeze protection pump, Make- Trane, Model- TZC120	1	EA	60,000.00	60,000
1,102	Allow sound Attenuator for above RTU-2 (4000 CFM)	1	EA	4,600.00	4,600
1,103					
1,104	Fans				
1,105	EF-2; 750 CFM, Downblast, Direct drive, 1/6hp, 120V/1ph/60hz, 2.8 FLA, Make-GREENHECK, Model- G-095-VG	1	EA	3,750.00	3,750
1,106					
1,107	Terminal Units				
1,108	FCU-9; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz, 1.75 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	2,925.00	2,925

1,109	FCU-10; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz, 1.75 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	2,925.00	2,925
1,110	FCU-11; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz, 2.3 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	3,500.00	3,500
1,111	FCU-12; Fan Coil Unit, 24000 BTUH cooling Capacity, 27000 BTUH Heating Capacity, 750 CFM, 208V/1ph/60hz, 2.88 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	5,500.00	5,500
1,112	FCU-13; Fan Coil Unit, 6000BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz, 1.75 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	2,925.00	2,925
1,113	FCU-14; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz, 2.3 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	3,500.00	3,500
1,114	VAV-9; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
1,115	VAV-10; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
1,116	VAV-11; Air terminal unit, 150 CFM, size-6, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
1,117	VAV-12; Air terminal unit, 300 CFM, size-8, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
1,118	VAV-13; Air terminal unit, 50 CFM, size-4, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
1,119	VAV-14; Air terminal unit, 150 CFM, size-6, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
1,120	FTR-A: fin-tube radiation - 10.5' Length, 1 Rows, 290 BTU/LF, Make- Runtal, Model- RF-2	1	EA	1,100.00	1,100
1,121	FTR-A: fin-tube radiation - 2.5' Length, 1 Rows, 290 BTU/LF, Make- Runtal, Model- RF-2	2	EA	312.50	625
1,122	FTR-B: fin-tube radiation - 15' Length, 1 Rows, 374 BTU/LF, Make- Runtal, Model- RF-2	3	EA	1,875.00	5,625
1,123	FTR-C: fin-tube radiation - 10' Length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	4	EA	1,250.00	5,000
1,124	FTR-C: fin-tube radiation - 15' Length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	1	EA	1,875.00	1,875
1,125	FTR-C: fin-tube radiation -11' length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	1	EA	1,375.00	1,375
1,126	CUH-A; Cabinet unit heater; 345 CFM, 17MBH, 1.7GPM, 120V/1ph/60hz, 1.4MCA, w/ aquastat control, Make- Vulcan, Model- W-1060-04	5	EA	2,750.00	13,750
1,127					
1,128	<u>Pipework & accessories</u>				
1,129	Connect to existing hot water pipe: 3"	2	EA	750.00	1,500
1,130	HWS/R; hot water supply/return pipe				
1,131	- 3"	430	LF	135.00	58,050
1,132	- 2 1/2"	17	LF	102.00	1,734
1,133	- 2"	83	LF	75.00	6,225
1,134	- 1 1/2"	220	LF	75.00	16,500
1,135	- 1 1/4"	8	LF	70.00	560
1,136	- 1"	249	LF	65.00	16,185
1,137	- 3/4"	665	LF	56.59	37,632
1,138	Branch pipe for terminal units (Fintube Radiation, Cabinet unit Heater)	170	LF	56.59	9,620
1,139	Insulation on hot water pipe	1,842	LF	10.00	18,420
1,140	Secondary Valve Sets (Hot Water)	17	EA	550.00	9,350
1,141	Control Valve Sets for Headend unit (Assumes individual control)				
1,142	- RTU-1/2; Rooftop Units	2	EA		<i>incl. in BMS</i>
1,143	Control Valve Sets for Terminals (Assumes individual control)				
1,144	- FTR-A; Finned tube radiation	12	EA		<i>incl. in BMS</i>
1,145	- CUH-A; Cabinet unit heater	5	EA		<i>incl. in BMS</i>
1,146	Refrigerant Main Pipe- Unsized	1,647	LF	44.28	72,929
1,147	Refrigerant Branch Pipe for FCU - Unsized	96	LF	44.28	4,251
1,148	Insulation on Refrigerant piping	1,743	LF	7.00	12,201
1,149	Condensate Drain	133	LF	33.99	4,521
1,150	Insulation on condensate drain piping	133	LF	7.00	931
1,151	Secondary Valve Sets (Refrigerant)	6	EA	550.00	3,300
1,152	Control Valve Sets for Terminals (Assumes individual control)				
1,153	- Indoor unit	6	EA		<i>incl. in BMS</i>
1,154					
1,155	<u>Sheetmetal & Accessories</u>				
1,156	Galvanized ductwork	9,800	LBS	18.00	1,76,400
1,157	Insulation	7,050	SF	6.00	42,300
1,158	Connect to existing Duct; 28 x 12	1	EA	1,200.00	1,200
1,159	Connect to existing Duct; 26 x15	1	EA	1,200.00	1,200
1,160	Diffuser, Registers & Grilles: Make- Tuttle & Bailey				
1,161	- A4: Ceiling Supply Diffuser: 150, Model- ARC	3	EA	532.50	1,598
1,162	- A4: Ceiling Supply Diffuser: 200, Model- ARC	2	EA	532.50	1,065
1,163	- A4: Ceiling Supply Diffuser: 250, Model- ARC	12	EA	532.50	6,390
1,164	- A5: Ceiling Supply Diffuser: 200 CFM, Model- ARC	1	EA	532.50	533
1,165	- B: Ceiling Exhaust Grille: 75 CFM Model- A70D	4	EA	532.50	2,130
1,166	- B: Ceiling Return Grille, Model; 150 CFM- A70D	3	EA	532.50	1,598
1,167	- B: Ceiling Return Grille: 200 CFM, Model- A70D	2	EA	532.50	1,065
1,168	- B: Ceiling Return Grille: 500 CFM, Model- A70D	5	EA	532.50	2,663
1,169	- B: Ceiling Return Grille: 550 CFM, Model- A70D	2	EA	532.50	1,065
1,170	- B: Ceiling Return Grille: 700 CFM, Model- A70D	2	EA	532.50	1,065

1,171	- B: Ceiling Return Grille: 5100 CFM, Model- A70D	2	EA	532.50	1,065
1,172	- C1: Linear slot diffuser: 300 CFM, 6' Length, Model- 6000	5	EA	532.50	2,663
1,173	- S: 4-Way Ceiling Diffuser: 24 x 36: 850 CFM	12	EA	532.50	6,390
1,174	Volume Control Damper				
1,175	- 14" x 8"	7	EA	400.00	2,800
1,176	- 10" x 8"	3	EA	400.00	1,200
1,177	- 8" x 8"	8	EA	300.00	2,400
1,178					
1,179	<u>Building Management Systems</u>				
1,180	RTU @ 25 Pts each- allow	50	PTS	1,200.00	<i>Excluded, assumed packaged controls</i>
1,181	EF-2; Exhaust Fan @ 3 Pts each	3	PTS	1,200.00	3,600
1,182	FCU with VAV @ 8 Pts each	48	PTS	800.00	38,400
1,183	Fintube Radiator @ 5 Pts each	60	PTS	800.00	48,000
1,184	cabinet unit heater @ 4 Pts each	20	PTS	800.00	16,000
1,185	Tie to existing BMS system	1	LS	2,500.00	2,500
1,186					
1,187	<u>Miscellaneous</u>				
1,188	Testing, commissioning & balancing	1	LS	37,009.27	37,009
1,189	Cleaning and repairing of leakage duct	1	LS	10,000.00	10,000
1,190	Rigging and Handling	1	LS	12,000.00	12,000
1,191	Commissioning Support	1	LS	10,000.00	10,000
1,192	Co-ordination, rigging, CAD, Sub-trade On Costs, temp requirements	1	LS	30,000.00	30,000
1,193	<u>Additional Program</u>				
1,194	<u>Terminal Units</u>				
1,195	FCU-5; Fan Coil Unit, 24000 BTUH cooling Capacity, 27000 BTUH Heating Capacity, 750 CFM, 208V/1ph/60hz, 2.88 MCA, w/ ECM, integral condensate pump w/ condensate level switch, BACNET integration, Make: Trane-Mitsubishi, Model: TPEFY	1	EA	5,500.00	5,500
1,196	VAV-5; Air terminal unit, 250 CFM, size-6, Make-Nailor, Model- D3000	1	EA	1,100.00	1,100
1,197	FTR-B: fin-tube radiation - 6' 1/2" Length, 1 Rows, 374 BTU/LF, Make- Runtal, Model- RF-2	2	EA	812.50	1,625
1,198	FTR-C: fin-tube radiation - 10' Length, 1 Rows, 531 BTU/LF, Make- Runtal, Model- RF-2	2	EA	1,250.00	2,500
1,199					
1,200	<u>Pipework & accessories</u>				
1,201	HWS/R; hot water supply/return pipe				
1,202	- 3/4"	120	LF	56.59	6,791
1,203	Branch pipe for terminal units (Fintube Radiation)	40	LF	56.59	2,264
1,204	Insulation on hot water pipe	160	LF	10.00	1,600
1,205	Secondary Valve Sets (Hot Water)	4	EA	550.00	2,200
1,206	Control Valve Sets for Terminals (Assumes individual control)				
1,207	- Finned tube radiation	4	EA		<i>incl. in BMS</i>
1,208	Refrigerant Main Pipe- Unsized	48	LF	44.28	2,125
1,209	Refrigerant Branch Pipe for FCU - Unsized	16	LF	44.28	708
1,210	Insulation on Refrigerant piping	64	LF	7.00	448
1,211	Condensate Drain	5	LF	33.99	170
1,212	Insulation on condensate drain piping	5	LF	7.00	35
1,213	Secondary Valve Sets (Refrigerant)	1	EA	550.00	550
1,214	Control Valve Sets for Terminals (Assumed individual control)				
1,215	- Indoor unit	1	EA		<i>incl. in BMS</i>
1,216					
1,217	<u>Sheetmetal & Accessories</u>				
1,218	Galvanized ductwork	538	LBS	18.00	9,684
1,219	Insulation	428	SF	6.00	2,568
1,220	Diffuser, Registers & Grilles: Make- Tuttle & Bailey				
1,221	- A3: Ceiling Supply Diffuser: 75 CFM, Model- ARC	1	EA	532.50	533
1,222	- A4: Ceiling Supply Diffuser: 200 CFM, Model- ARC	1	EA	532.50	533
1,223	- B: Ceiling Return Grille, 300 CFM, Model- A70D	1	EA	532.50	533
1,224	- B: Ceiling Return Grille, 600 CFM, Model- A70D	1	EA	532.50	533
1,225	- C1: Linear slot diffuser: 100 CFM, 4' Length, Model- 6000	2	EA	532.50	1,065
1,226	- C1: Linear slot diffuser: 200 CFM, 8' Length Model- 6000	2	EA	532.50	1,065
1,227	Volume Control Damper				
1,228	- 14" x 8"	2	EA	400.00	800
1,229	- 8" x 8"	6	EA	300.00	1,800
1,230					
1,231	<u>Building Management Systems</u>				
1,232	FCU with VAV @ 8 Pts each	8	PTS	800.00	6,400
1,233	Fintube Radiator @ 5 Pts each	20	PTS	800.00	16,000
1,234	Tie to existing BMS system	1	LS	2,500.00	2,500
1,235					
1,236	<u>Miscellaneous</u>				
1,237	Testing, commissioning & balancing	1	LS	2,865.13	2,865
1,238	Cleaning and repairing of leakage duct	1	LS	500.00	500

1,239	Rigging and Handling	1	LS	750.00	750
1,240	Commissioning Support	1	LS	400.00	400
1,241	Co-ordination, rigging, CAD, Sub-trade On Costs, temp requirements	1	LS	1,200.00	1,200
1,242					
1,243	ELECTRICAL				10,68,842
1,244	<u>Accessibility</u>				
1,245	Selective Demolition				
1,246	Duplex Receptacle	8	EA	75.00	600
1,247	4' Light fixture	12	EA	125.00	1,500
1,248	6' Light fixture	9	EA	125.00	1,125
1,249	2' x 2' light fixture	31	EA	125.00	3,875
1,250	1' x 4' light fixture	11	EA	125.00	1,375
1,251	Emergency Light Fixture	12	EA	125.00	1,500
1,252	Exist Sign	9	EA	125.00	1,125
1,253	Light fixture	3	EA	125.00	375
1,254	RP Light fixture	9	EA	125.00	1,125
1,255	Occupancy Sensor	9	EA	125.00	1,125
1,256	Switch	1	EA	75.00	75
1,257	Amber Strobe	11	EA	75.00	825
1,258	Combination Audiovisual Appliance	10	EA	75.00	750
1,259	Heat Detector	8	EA	75.00	600
1,260	Smoke Detector	12	EA	75.00	900
1,261	Data outlet for WIFI Access point	3	EA	75.00	225
1,262	Security camera	1	EA	125.00	125
1,263	New Work				
1,264	<u>Normal Service & Distribution</u>				
1,265	New Panelboard L3A; 200A MLO, 480/277V, 3-Ph, 4-Wire, 14KAIC	1	EA	4,250.00	4,250
1,266	New Panelboard L3B; 200A MLO, 480/277V, 3-Ph, 4-Wire, 22KAIC	1	EA	4,250.00	4,250
1,267	New Panelboard H3; 200A MLO, 480/277V, 3-Ph, 4-Wire, 14KAIC	1	EA	4,250.00	4,250
1,268	New Electrical Panel 125A MCB, branch Panel to circuit plug loads	1	EA	3,150.00	3,150
1,269	Re-route existing Conduit & Feeder from Existing electrical room to the new location	1	LS	10,000.00	10,000
1,270	Refeed Existing Circuits from new panel	1	LS	2,000.00	2,000
1,271					
1,272	<u>Feeder:</u>				
1,273	200A, Feeder from Ex Panel L2A to Panel L3A	100	LF	60.00	6,000
1,274	200A, Feeder from Ex Panel L2B to Panel L3B	100	LF	60.00	6,000
1,275	200A, Feeder from 100A Terminal Block to Panel H3	100	LF	60.00	6,000
1,276	Feeder from 100A Terminal Block to Ex Panel E3S	100	LF	30.00	3,000
1,277	Feeder from 200A Terminal Block to Ex Panel L4B	100	LF	60.00	6,000
1,278	100A Terminal Box with (2) Lugs on each Phase, Neutral and Ground	2	EA	150.00	300
1,279	200A Terminal Block with (3) Lugs on each Phase, Neutral and Ground	1	EA	250.00	250
1,280	60A-3P CB and Re-Feed Panel L4A	1	EA	70.00	70
1,281	Conduit for above	500	LF	20.00	10,000
1,282					
1,283	<u>Motor wiring</u>				
1,284	Electronic flush valves on WC's & urinals - connections	38	EA	350.00	13,300
1,285	Electronic sensors on Lav's - connections	22	EA	350.00	7,700
1,286	EWC-1:Electric water cooler	6	EA	550.00	3,300
1,287	Domestic hot water return pump	1	EA	1,250.00	1,250
1,288	Electric Water heater 120 gallon	2	EA	2,500.00	5,000
1,289	DOAS-1; 2000 CFM, Supply fan 6hp, Exhaust Fan 6hp, 460V/3ph/60hz	1	EA	2,500.00	2,500
1,290	ACCU-1, Air cooled condensing unit, 14 Ton, 460V/3ph/60hz	1	EA	2,500.00	2,500
1,291	EF-1; 1800 CFM, Downblast, Direct drive, 1/2hp, 120V/1ph/60hz	1	EA	1,500.00	1,500
1,292	FCU-1; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,293	FCU-2; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,294	FCU-3; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,295	FCU-4; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,296	FCU-6; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,297	FCU-7; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,298	FCU-8; Fan Coil Unit, 18000 BTUH cooling Capacity, 20000 BTUH Heating Capacity, 500 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,299	CUH-B; Cabinet unit heater; 345 CFM,120V/1ph/60hz.	1	EA	1,200.00	1,200
1,300	Power for 2 lift	1	LS	3,250.00	3,250
1,301	Disconnect Switch for Lift	2	EA		Included above
1,302					
1,303	<u>Convenience Power</u>				
1,304	Duplex Receptacles	26	EA	74.25	1,931
1,305	Duplex Receptacles, GFI	14	EA	87.00	1,218

1,306	Reconnection of Duplex Receptacle for Ex Drinking Fountain Circuit	4	EA	50.00	200
1,307	Conduit, wiring	1,400	LF	18.00	25,200
1,308					
1,309	<u>Lighting</u>				
1,310	B2 - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-42-L835-HCD-1	4	EA	651.38	2,606
1,311	D - Shallow recessed downlight. Manufacturer- Portfolio. Catalog No-LDS6B-15-D010-EU6B-1020-35-6LBS-1-LI	6	EA	766.13	4,597
1,312	DR - Retrofit recessed downlight. Manufacturer- Portfolio. Catalog No-LDRT6B-50-D010-EU6B-3050-8035-6LB-W1LI-ABRX-ADAPTER RING	11	EA	1,046.85	11,515
1,313	DRE - Retrofit recessed downlight. Manufacturer- Portfolio. Catalog No-LDRT6B-50-D010-EU6B-3050-8035-6LB-W1LI-ABRX-ADAPTER RING	14	EA	1,046.85	14,656
1,314	H2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-25-L835-HCD-1	14	EA	651.38	9,119
1,315	H2E - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-25-EL14W-L835-HCD-1	16	EA	651.38	10,422
1,316	R6 - Recessed linear fixture. Manufacturer- NEO-RAY. Catalog No-S124DR-S575D835-xx-4F0-1-UDD-F-W	8	EA	804.38	6,435
1,317	R6E - Recessed linear fixture. Manufacturer- NEO-RAY. Catalog No-S124DR-S575D835-xx-4F0-1-B2 (EMERGENCY BATTERY)-UDD-F-W	6	EA	804.38	4,826
1,318	RP6 - Suspended fixture. Manufacturer- NEO-RAY. Catalog No-S124RDIP-H-575D-590U-835-CXX-XX-6FO-1-2-DD	4	EA	689.63	2,759
1,319	RP6E - Suspended fixture. Manufacturer- NEO-RAY. Catalog No-S124RDIP-H-575D-590U-835-CXX-XX-6FO-1-B2 (EMERGENCY BATTERY)-2-DD	4	EA	689.63	2,759
1,320	U2 - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-32-L835-HCD-1	13	EA	651.38	8,468
1,321	U2E - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-32-EL14W-L835-HCD-1	17	EA	651.38	11,073
1,322	U4 - 2' x 4' Troffer. Manufacturer- Metalux. Catalog No-24GR-LD4-48-A125-UNV-L835-SLTD-DALI DRIVER-1-U	2	EA	747.00	1,494
1,323	X1 -Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	4	EA	487.50	1,950
1,324	X2 -Exit Sign - Doubled Sided With Battery Backup. Manufacturer- No-OL2-SA-LG-2-M-MOUNTING-BA-UNIVERSAL CHEVRON KIT	1	EA	487.50	488
1,325	XH -Exit Sign - Single Sided With Battery Backup. Manufacturer- Beghelli. Catalog No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	9	EA	487.50	4,388
1,326	XH2 -Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	1	EA	487.50	488
1,327	ZW2E - Wall Pack, Manufacturer- Lumark, Model# IST-SA1-A-735-U-XX-T4W-XX-CBP	1	EA	275.00	275
1,328	Wiring				
1,329	Fixture Supports/ boxes	135	EA	51.75	6,986
1,330	MC Cable with Fittings	1,620	LF	12.00	19,440
1,331	EM Circuits, conduits and wires with fittings	675	LF	18.00	12,150
1,332	Home Run	1,013	LF	18.00	18,225
1,333					
1,334	<u>Lighting Control</u>				
1,335	2D- Two Buttons with raise/lower dimming	2	EA	235.73	471
1,336	Two Button Switch	12	EA	235.73	2,829
1,337	Occupancy Sensor	15	EA	242.10	3,632
1,338	RC1 - Room control with (1) switched relays	11	EA	407.85	4,486
1,339	RC1D - Room control with (1) dimming relays	6	EA	407.85	2,447
1,340	RC3D - Room control with (3) dimming relays	3	EA	407.85	1,224
1,341	Conduit, wiring	980	LF	18.00	17,640
1,342					
1,343	<u>Miscellaneous</u>				
1,344	Grounding & bonding	1	LS	2,500.00	2,500
1,345	Sub-trade temps/ gcs	1	LS	24,676.06	24,676
1,346	Electrical Testing and Commissioning	1	LS	11,515.50	11,515
1,347	Rigging & Handling	1	LS	6,500.00	6,500
1,348	Vibration Isolation	1	LS	7,000.00	7,000
1,349	Coring/firestopping	1	LS	3,500.00	3,500
1,350	Temporary light and power	1	LS	5,000.00	5,000
1,351					
1,352	<u>Communication</u>				
1,353	Telecomm; conduit containment, outlets, cabling	4,413	SF	6.00	26,478
1,354	<u>Critical Repairs</u>				
1,355	<u>Selective Demolition</u>				
1,356	following items to be removed				
1,357	Panelboard L3B	1	EA	1,200.00	1,200
1,358	Panelboard L3A	1	EA	1,200.00	1,200
1,359	Panelboard H3	1	EA	1,200.00	1,200
1,360	Feeder from Ex Main Switchboard to Panel H3	1	EA	500.00	500
1,361	Feeder from Panel ES/E to Panel E3S	1	EA	500.00	500

1,362	Feeder from Panel L2A to Panel L3A	1	EA	500.00	500
1,363	Feeder from Panel L2B to Panel L3B	1	EA	500.00	500
1,364	Feeder from Panel L3A to L4A	1	EA	500.00	500
1,365	Feeder from Panel L3B to L4B	1	EA	500.00	500
1,366	Disconnect Switch for HVAC Equipment	14	EA	500.00	7,000
1,367	Duplex Receptacle	1	EA	500.00	500
1,368	4' Light fixture	3	EA	75.00	225
1,369	6' Light fixture	8	EA	100.00	800
1,370	2' x 2' light fixture	104	EA	75.00	7,800
1,371	2' x 4' light fixture	3	EA	75.00	225
1,372	1' x 4' light fixture	211	EA	75.00	15,825
1,373	Emergency Light Fixture	19	EA	50.00	950
1,374	Exist Sign	3	EA	50.00	150
1,375	Light fixture	14	EA	75.00	1,050
1,376	RP Light fixture	56	EA	75.00	4,200
1,377	Wall Mounted Lighting and associated Conduit	3	EA	75.00	225
1,378	Occupancy Sensor	31	EA	75.00	2,325
1,379	Switch	3	EA	75.00	225
1,380	Amber Strobe	46	EA	75.00	3,450
1,381	Combination Audiovisual Appliance	45	EA	125.00	5,625
1,382	Heat Detector	34	EA	75.00	2,550
1,383	Smoke Detector	46	EA	75.00	3,450
1,384	Speaker	26	EA	75.00	1,950
1,385	Visual Appliance	2	EA	125.00	250
1,386	Power, data & AV outlet for projector	19	EA	75.00	1,425
1,387	Data outlet for WIFI Access point	2	EA	75.00	150
1,388	Security camera	2	EA	75.00	150
1,389	Access Control System Keypad and Panel	1	EA	75.00	75
1,390	New Work				
1,391	Electrical Scope				
1,392	<u>Switchgear & Feeder</u>				
1,393	No Switchgear work in this section				No Work
1,394					
1,395	<u>Motor wiring</u>				
1,396	RTU-1; Packaged rooftop unit, 13000 CFM, Supply fan 20hp, Exhaust fan 7.5 hp, 460V/3ph/60hz,	1	EA	4,500.00	4,500
1,397	RTU-2; Packaged rooftop unit, 4000 CFM, Supply fan 3hp, 21 MCA, 460V/3ph/60hz.	1	EA	4,500.00	4,500
1,398	EF-2; 750 CFM, Downblast, Direct drive, 1/6hp, 120V/1ph/60hz.	1	EA	850.00	850
1,399	CUH-A; Cabinet unit heater; 345 CFM, 120V/1ph/60hz.	5	EA	1,250.00	6,250
1,400	FCU-9; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz,	1	EA	800.00	800
1,401	FCU-10; Fan Coil Unit, 6000 BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,402	FCU-11; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,403	FCU-12; Fan Coil Unit, 24000 BTUH cooling Capacity, 27000 BTUH Heating Capacity, 750 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,404	FCU-13; Fan Coil Unit, 6000BTUH cooling Capacity, 6700 BTUH Heating Capacity, 250 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,405	FCU-14; Fan Coil Unit, 12000 BTUH cooling Capacity, 13500 BTUH Heating Capacity, 300 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,406					
1,407	<u>Convenience Power</u>				
1,408	Duplex Receptacles	2	EA	74.25	149
1,409	Double Duplex Receptacles	1	EA	87.00	87
1,410	Duplex Receptacles, GFCI	1	EA	84.25	84
1,411	Conduit, wiring	140	LF	18.00	2,520
1,412					
1,413	<u>Lighting</u>				
1,414	AP-Light fixture Pendant Fixture, Manufacturer- Portfolio, Model# LERPC6B-40-DMXC5-R-MB (Black)-ECA6B-Adjustable Light Engine-Set to 4000 Lumens-8030-6LB-W-LI-AC120MB-R15-40-1-DMXC5	16	EA	562.13	8,994
1,415	APE-Light fixture Pendant Fixture, Manufacturer- Portfolio, Model# LERPC6B-40-DMXC5-R-MB (Black)-ECA6B-Adjustable Light Engine-Set to 4000	12	EA	562.13	6,746
1,416	B2 - 2' x 2' flat panel. Manufacturer- Metalux. Catalog No-22-FPX-42-L835-HCD-1	139	EA	651.38	90,541
1,417	B2E - 2' x 2' flat panel. Manufacturer- No-22-FPX-42-EL14W-L835-HCD-1	24	EA	651.38	15,633
1,418	B4 - 2' x 4' Direct/Indirect Fixture. Manufacturer- No-4-FPX-47-L835-HCD-1	2	EA	747.00	1,494
1,419	B4E - 2' x 4' Direct/Indirect Fixture. Manufacturer- No-24-FPX-47-EL14W-L835-HCD-1	1	EA	747.00	747
1,420	C - Lensed Strip Light. Manufacturer- No-4SNLED-LD5-LW-UNV-37SL-UNV-L835-CD1-CHAIN/SET-U	7	EA	543.00	3,801
1,421	CE - Lensed Strip Light. Manufacturer- No-4SNLED-LD5-LW-UNV-37SL-UNV-L835-CD1-CHAIN/SET-U	4	EA	543.00	2,172

1,422	DRE - Retrofit recessed downlight. Manufacturer- Portfolio. Catalog No-LDRT6B-50-D010-EU6B-3050-8035-6LB-W1LI-ABRX-ADAPTER RING	1	EA	1,046.85	1,047
1,423	DW - Shallow recessed wall washer. Manufacturer- Amerlux. Catalog No-AMERLUX: HDL-HP-R-NC-A17-T-13-(VOLT)-010V / HDL-HP-RA-A17-T-(FINISH)-WF-35	3	EA	766.13	2,298
1,424	H2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-25-L835-HCD-1	13	EA	651.38	8,468
1,425	H2E - 2' x 2' flat panel. Manufacturer- No-22-FPX-25-EL14W-L835-HCD-1	7	EA	651.38	4,560
1,426	U2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-32-L835-HCD-1	7	EA	651.38	4,560
1,427	X1 - Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	2	EA	487.50	975
1,428	XH - Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	2	EA	487.50	975
1,429	XH2 - Exit Sign - Single Sided With Battery Backup. Manufacturer- No-OL2-HE-SA-LG-1-C-MOUNTING-BA-UNIVERSAL CHEVRON KIT	1	EA	487.50	488
1,430	ZW2E - Wall Pack, Manufacturer- Lumark, Model# IST-SA1-A-735-U-XX-T4W-XX-CBP	4	EA	275.00	1,100
1,431	Reinstall 4' Light fixture	2	EA	288.00	576
1,432	Reinstall 2' x 2' light fixture	49	EA	288.00	14,112
1,433	Reinstall 2' x 4' light fixture	3	EA	288.00	864
1,434	Reinstall 1' x 4' light fixture	41	EA	288.00	11,808
1,435	Reinstall Emergency Light Fixture	12	EA	288.00	3,456
1,436	Reinstall Light fixture	1	EA	288.00	288
1,437	Reinstall Exit Sign	1	EA	288.00	288
1,438	Wiring				
1,439	Fixture Supports/ boxes	354	EA	51.75	18,320
1,440	MC Cable with Fittings	4,248	LF	12.00	50,976
1,441	EM Circuits, conduits and wires with fittings	1,770	LF	18.00	31,860
1,442	Home Run	2,655	LF	18.00	47,790
1,443					
1,444	<u>Lighting Control</u>				
1,445	2D- Two Buttons with raise/lower dimming	19	EA	235.73	4,479
1,446	4D- Four Buttons with raise/lower dimming	12	EA	261.23	3,135
1,447	Two Button Switch	12	EA	235.73	2,829
1,448	DS- Daylight Sensor	18	EA	242.10	4,358
1,449	Occupancy Sensor	30	EA	242.10	7,263
1,450	RC1 - Room control with (1) switched relays	2	EA	407.85	816
1,451	RC1D - Room control with (1) dimming relays	5	EA	407.85	2,039
1,452	RC3D - Room control with (3) dimming relays	12	EA	452.48	5,430
1,453	Reinstall Occupancy Sensor	12	EA	172.80	2,074
1,454	Conduit, wiring	2,440	LF	18.00	43,920
1,455					
1,456	<u>Miscellaneous</u>				
1,457	Grounding & bonding	1	LS	1,000.00	1,000
1,458	Sub-trade temps/ gcs	1	LS	32,626.20	32,626
1,459	Electrical Testing and Commissioning	1	LS	15,225.56	15,226
1,460	Rigging & Handling	1	LS	8,500.00	8,500
1,461	Vibration Isolation	1	LS	9,000.00	9,000
1,462	Coring/firestopping	1	LS	5,000.00	5,000
1,463	Temporary light and power	1	LS	5,000.00	5,000
1,464					
1,465	<u>Communication</u>				
1,466	Allow For Communication	895	SF	4.50	4,028
1,467	Voice/data outlet	1	EA		<i>Incl in Above</i>
1,468	Re-install Data outlet for WIFI access point	2	EA		<i>Incl in Above</i>
1,469	Re-install Power, Data and Audio-Visual Outlet for Projector	3	EA		<i>Incl in Above</i>
1,470	Back box for above devices	6	EA		<i>Incl in Above</i>
1,471	Conduit, wiring and testing For above Device	6	EA		<i>Incl in Above</i>
1,472	<u>Additional Program</u>				
1,473	<u>Electrical Scope</u>				
1,474	<u>Switchgear & Feeder</u>				
1,475	No Switchgear work in this section				<i>No Work</i>
1,476					
1,477	<u>Motor wiring</u>				
1,478	FCU-5; Fan Coil Unit, 24000 BTUH cooling Capacity, 27000 BTUH Heating Capacity, 750 CFM, 208V/1ph/60hz	1	EA	800.00	800
1,479					
1,480	<u>Convenience Power</u>				
1,481	Duplex Receptacles	8	EA	74.25	594
1,482	Double Duplex Receptacles	6	EA	87.00	522
1,483	Conduit, wiring	490	LF	18.00	8,820
1,484					
1,485	<u>Lighting</u>				
1,486	B2 - 2' x 2' flat panel. Manufacturer- No-22-FPX-42-L835-HCD-1	5	EA	651.38	3,257
1,487	F- 2" Recessed Downlight, Manufacturer- Portfolio, Model# LDA2B-10-2R60-80-35-D010	16	EA	350.00	5,600

1,488	RP6 - Suspended fixture. Manufacturer- NEO-RAY. Catalog No-S124RDIP-H-575D-590U-835-CXX-XX-6FO-1-2-DD	6	EA	550.00	3,300
1,489	<u>Wiring</u>				
1,490	Fixture Supports/ boxes	27	EA	51.75	1,397
1,491	MC Cable with Fittings	324	LF	12.00	3,888
1,492	EM Circuits, conduits and wires with fittings	135	LF	18.00	2,430
1,493	Home Run	203	LF	18.00	3,645
1,494					
1,495	<u>Lighting Control</u>				
1,496	2D- Two Buttons with raise/lower dimming	3	EA	235.73	707
1,497	DS- Daylight Sensor	1	EA	242.10	242
1,498	Occupancy Sensor	4	EA	242.10	968
1,499	RC1D - Room control with (1) dimming relays	2	EA	407.85	816
1,500	RC3D - Room control with (3) dimming relays	1	EA	407.85	408
1,501	Conduit, wiring	220	LF	18.00	3,960
1,502					
1,503	<u>Miscellaneous</u>				
1,504	Grounding & bonding	1	LS	500.00	500
1,505	Sub-trade temps/ gcs	1	LS	3,101.58	3,102
1,506	Electrical Testing and Commissioning	1	LS	1,447.40	1,447
1,507	Rigging & Handling	1	LS	950.00	950
1,508	Vibration Isolation	1	LS	1,150.00	1,150
1,509	Coring/firestopping	1	LS	750.00	750
1,510	Temporary light and power	1	LS		<i>Incl. above</i>
1,511					
1,512	<u>Communication</u>				
1,513	Allow For Communication	722	SF	5.00	3,610
1,514	Voice/data outlet	1	EA		<i>Incl in above</i>
1,515	Data Outlet with two data jacks	4	EA		<i>Incl in above</i>
1,516	Back box for above devices	5	EA		<i>Incl in above</i>
1,517	Conduit, wiring and testing For above Device	5	EA		<i>Incl in above</i>
1,518					
1,519	SECURITY				2,08,319
1,520	<u>Accessibility</u>				
1,521	<u>Fire alarm</u>				
1,522	Allow For Connecting to Existing System	1	LS	2,500.00	2,500
1,523	Amber Strobe	18	EA	305.25	5,495
1,524	Combination Audiovisual Appliance - 15CD	3	EA	364.50	1,094
1,525	Combination Audiovisual Appliance - 75CD	6	EA	364.50	2,187
1,526	Manual Pull Station	1	EA	227.25	227
1,527	Smoke Detector	9	EA	271.88	2,447
1,528	Visual Appliance- 15CD	6	EA	305.25	1,832
1,529	Visual Appliance- 75CD	3	EA	305.25	916
1,530	Re-install Amber Strobe	11	EA	144.00	1,584
1,531	Re-install Heat Detector	8	EA	144.00	1,152
1,532	Re-install Smoke Detector	12	EA	144.00	1,728
1,533	Re-install Combination Audiovisual Appliance	10	EA	144.00	1,440
1,534	Wiring & Testing				
1,535	Box / support assembly	46	EA	63.25	2,910
1,536	EMT 3/4" with fittings	1,150	LF	17.25	19,838
1,537	FA cable,	3,450	LF	6.75	23,288
1,538	FA Device Testing	46	EA	92.00	4,232
1,539	<u>Miscellaneous</u>				
1,540	<u>Fire Building Department Testing</u>				
1,541	Tie in FA system with AV/security/BMS systems	1	LS	2,208.00	2,208
1,542					
1,543	<u>Security</u>				
1,544	New Security Cameras, power - 20# Interior and 3# Exterior	23	EA	3,000.00	69,000
1,545	Allow For Security; conduit containment, devices, wiring & testing - minor amendments to existing system	4,413	SF	0.25	1,103
1,546	C- Door Contact	2	EA		<i>Incl in above</i>
1,547	CR- Card Reader	1	EA		<i>Incl in above</i>
1,548	DO- Normally Open Relays to Interface Door Operator with the Access Control System	2	EA		<i>Incl in above</i>
1,549	EL- Electric Lock	2	EA		<i>Incl in above</i>
1,550	HC- Automatic Door Operated, Handicap Pushbutton Station	10	EA		<i>Incl in above</i>
1,551	DC- Power for Door for Access Control, Handicap Door Opener, etc.	5	EA		<i>Incl in above</i>
1,552	RX- Request to Exit	2	EA		<i>Incl in above</i>
1,553	<u>Critical Repairs</u>				
1,554	<u>Fire alarm</u>				
1,555	Allow For Connecting to Existing System	1	LS	1,000.00	1,000
1,556	Amber Strobe	1	EA	305.25	305
1,557	Smoke Detector	1	EA	271.88	272
1,558	Smoke Detector With RAI	2	EA	511.13	1,022

1,559	Combination Audiovisual Appliance - 15CD	1	EA	511.13	511
1,560	Re-install Amber Strobe	46	EA	144.00	6,624
1,561	Re-install Combination Audiovisual Appliance	45	EA	144.00	6,480
1,562	Re-install Heat Detector	33	EA	144.00	4,752
1,563	Re-install Smoke Detector	46	EA	144.00	6,624
1,564	Re-install Visual Appliance	2	EA	144.00	288
1,565	Re-install Speaker	18	EA	144.00	2,592
1,566	Wiring & Testing				
1,567	Box / support assembly	5	EA	63.25	316
1,568	EMT 3/4" with fittings, 25 LF per Device	125	LF	17.25	2,156
1,569	FA cable, 75 LF Per Device	375	LF	6.75	2,531
1,570	FA Device Testing	5	EA	92.00	460
1,571	<u>Miscellaneous</u>				
1,572	Fire Building Department Testing	1	LS	2,208.00	2,208
1,573	Tie in FA system with AV/security/BMS systems	1	LS	2,000.00	2,000
1,574					
1,575	<u>Security</u>				
1,576	Allow For Security; conduit containment, devices, wiring & testing - minor amendments to existing system	895	SF	0.25	224
1,577	Relocate Access Control System keypad & panel inside the new electrical closet	1	LS		<i>Incl in above</i>
1,578	Re-install Security Camera	1	EA		<i>Incl in above</i>
1,579	C- Door Contact	8	EA		<i>Incl in above</i>
1,580	CR- Card Reader	4	EA		<i>Incl in above</i>
1,581	EL- Electric Lock	8	EA		<i>Incl in above</i>
1,582	RX- Request to Exit	4	EA		<i>Incl in above</i>
1,583	<u>Additional Program</u>				
1,584	<u>Fire alarm</u>				
1,585	Allow For Connecting to Existing System	1	LS	1,000.00	1,000
1,586	Amber Strobe	3	EA	305.25	916
1,587	Combination Audiovisual Appliance - 75CD	1	EA	364.50	365
1,588	Visual Appliance- 75CD	2	EA	305.25	611
1,589	Wiring & Testing				
1,590	Box / support assembly	6	EA	63.25	380
1,591	EMT 3/4" with fittings	150	LF	17.25	2,588
1,592	FA cable,	450	LF	6.75	3,038
1,593	FA Device Testing	6	EA	92.00	552
1,594	<u>Miscellaneous</u>				
1,595	Fire Building Department Testing	1	LS	828.00	828
1,596	Tie in FA system with AV/security/BMS systems	1	LS	500.00	500
1,597					
1,598	<u>Security</u>				
1,599	Allow For Security; conduit containment, devices, wiring & testing - 1 New entry only	1	LS	10,000.00	10,000
1,600					
1,601	SITE PREPARATION				1,38,073
1,602	<u>Accessibility</u>				
1,603	<u>Demo</u>				
1,604	Asphalt to be removed (Sawcut @ edges)	8,667	SF	2.00	17,334
1,605	Catch basin to be removed	1	EA	16,000.00	16,000
1,606	Demo Sidewalk	2,122	SF	3.00	6,365
1,607	Demo trees	5	EA	200.00	1,000
1,608	Demo Utility pipe	226	LF	25.00	5,652
1,609	Handicap parking signs to be removed	4	EA	75.00	300
1,610	Hydrant to be removed	1	EA	5,500.00	5,500
1,611	Protect existing trees	2	EA	350.00	700
1,612	Remove and Dispose of existing benches and planters	5	EA	300.00	1,500
1,613	Strip and Stockpile Soil	5,237	SF	8.00	41,892
1,614	Vertical Granite Curbing to be removed and Salvage to be reset	438	LF	6.00	2,631
1,615	Existing boulders to be salvaged and relocated	2	EA	500.00	1,000
1,616					
1,617	<u>Erosion Control</u>				
1,618	Catch Basin Filter	8	EA	300.00	2,400
1,619	Compost Filter Sock	221	LF	10.00	2,211
1,620	Silt Fence and Wattles	407	LF	12.50	5,089
1,621	Construction Fence, including installation and maintenance	1,000	LF	16.00	16,000
1,622	Construction Gates, stone entrance and temporary signage	1	LS	12,500.00	12,500
1,623					
1,624	EARTHWORK				3,41,591
1,625	<u>Accessibility</u>				
1,626	<u>Excavation</u>				
1,627	Excavation for basement	598	CY	45.00	26,910
1,628	Excavation for footings	120	CY	45.00	5,400
1,629	Allowance for over excavation and backfilling	1	LS	20,000.00	20,000
1,630	Backfill - aggregate	539	CY	45.00	24,233

1,631	Haul away from site	718	CY	35.00	25,130
1,632					
1,633	Allow for site clearing	14,798	SF	1.00	14,798
1,634	Allow for concrete block wall excavation	17	CY	45.00	747
1,635					
1,636	<u>Utilities Earthwork</u>				
1,637	Trench Excavation	703	CY	35.00	24,612
1,638	Premium for deep excavation	1	LS	50,000.00	50,000
1,639	Backfill - aggregate	42	CY	40.00	1,674
1,640	Backfill - Soil	627	CY	15.00	9,405
1,641	Haul away from site	76	CY	30.00	2,285
1,642					
1,643	Hazardous Materials/Contaminated Soil	1	Allow	1,25,000.00	1,25,000
1,644	<u>Additional Program</u>				
1,645	<u>Excavation</u>				
1,646	Excavation for footings	97	CY	45.00	4,365
1,647	Backfill - aggregate	73	CY	50.00	3,638
1,648	Haul away from site	97	CY	35.00	3,395
1,649					
1,650	SITE UTILITIES				1,86,094
1,651	<u>Accessibility</u>				
1,652	<u>Foundation Drain</u>				
1,653	4" Dia. schedule 40 perforated PVC pipe to be laid flat	235	LF	0.00	0
1,654	6" min crushed stone around pipe	7	CY		Incl. above
1,655	Cleanouts	8	EA		Incl. above
1,656	Connect to the closet DMH with solid pipe and backflow preventor	1	EA		Incl. above
1,657	Provide sleeve through foundation wall	2	EA		Incl. above
1,658	<u>Sanitary</u>				
1,659	6" CLDI pipe	22	LF	150.00	3,276
1,660	6" PVC	310	LF	66.90	20,748
1,661	Trench excavation - allow 3'Wx10'D as per elevation provided	369	CY		see earthwork
1,662	Backfill - aggregate	21	CY		see earthwork
1,663	Backfill - Soil	328	CY		see earthwork
1,664	Haul away from site	41	CY		see earthwork
1,665	CTE manhole 6"PVC	1	EA	7,500.00	7,500
1,666	New manhole	4	EA	8,500.00	34,000
1,667					
1,668	<u>Storm</u>				
1,669	4" PVC	109	LF	44.60	4,861
1,670	Trench excavation - allow 3'Wx10'D as per elevation provided	121	CY		see earthwork
1,671	Backfill - aggregate	6	CY		see earthwork
1,672	Backfill - Soil	113	CY		see earthwork
1,673	Haul away from site	7	CY		see earthwork
1,674	6" PVC pipe	102	LF	66.90	6,822
1,675	Trench excavation - allow 3'Wx10'D as per elevation provided	113	CY		see earthwork
1,676	Backfill - aggregate	6	CY		see earthwork
1,677	Backfill - Soil	104	CY		see earthwork
1,678	Haul away from site	9	CY		see earthwork
1,679	10" PVC	19	LF	100.00	1,900
1,680	Trench excavation - allow 3'Wx10'D as per elevation provided	22	CY		see earthwork
1,681	Backfill - aggregate	2	CY		see earthwork
1,682	Backfill - Soil	18	CY		see earthwork
1,683	Haul away from site	3	CY		see earthwork
1,684	12" PVC	67	LF	110.00	7,361
1,685	Trench excavation - allow 3'Wx10'D as per elevation provided	74	CY		see earthwork
1,686	Backfill - aggregate	6	CY		see earthwork
1,687	Backfill - Soil	60	CY		see earthwork
1,688	Haul away from site	14	CY		see earthwork
1,689	Catch basin	2	EA	4,500.00	9,000
1,690	Cleanouts	2	EA	1,000.00	2,000
1,691	CTE drainage manhole 6" dia pipe	3	EA	2,500.00	7,500
1,692	Drainage Manhole	1	EA	8,500.00	8,500
1,693					
1,694	1" Stone at pipe daylight screen at opening	1	EA	250.00	
1,695					
1,696	<u>Water</u>				
1,697	8" CLDI Pipe	8	LF	68.57	532
1,698	Trench excavation - allow 3'Wx5'D as per elevation provided	4	CY		see earthwork
1,699	Backfill - aggregate	1	CY		see earthwork
1,700	Backfill - Soil	3	CY		see earthwork
1,701	Haul away from site	1	CY		see earthwork
1,702	Confirm Location of water line replace water line in kind	215	LF	100.00	21,458
1,703	8"x8" Tee	1	EA	250.00	250

1,704	8"x8"x8" Tee	1	EA	250.00	250
1,705	New hydrant	1	EA	7,500.00	7,500
1,706	Water valve	2	EA	1,500.00	3,000
1,707	Tap & Sleeve	1	EA	2,500.00	2,500
1,708					
1,709	<u>Electrical</u>				
1,710	Underground Electric Conduit & Feeder with Excavation and backfilling	245	LF	35.00	8,575
1,711	Charging Station	2	EA	11,500.00	23,000
1,712					
1,713	SITE IMPROVEMENTS				88,974
1,714	<u>Accessibility</u>				
1,715	<u>Pavement</u>				
1,716	Bituminous asphalt parking space	2,330	SF	10.10	23,532
1,717	1.5" wearing course	11	CY		<i>Incl in above</i>
1,718	2.5" Binder course	18	CY		<i>Incl in above</i>
1,719	12" Gravel subbase	86	CY		<i>Incl in above</i>
1,720					
1,721	New Asphalt Pavement	4,028	SF	10.10	40,683
1,722	1.5" wearing course	19	CY		<i>Incl in above</i>
1,723	2.5" Binder course	31	CY		<i>Incl in above</i>
1,724	12" Gravel subbase	149	CY		<i>Incl in above</i>
1,725					
1,726	Allowance for reinstating existing surfaces where disturbed by utilities excavation	1	LS	2,500.00	2,500
1,727					
1,728	<u>Curbs</u>				
1,729	Flush granite curb	128	LF	80.00	10,240
1,730	Vertical Granite Curb	28	LF	90.00	2,520
1,731	Reset vertical granite curb	220	LF	20.00	4,400
1,732					
1,733	ADA Parking Signs	6	EA	300.00	1,800
1,734	One way/ Do not enter sign	2	EA	400.00	800
1,735					
1,736	Allow for parking and fire lane markings	1	LS	2,500.00	2,500
1,737					
1,738	LANDSCAPE				56,631
1,739	<u>Accessibility</u>				
1,740	Small block retaining wall - 2'10"H as per 5/L300	64	LF	0.00	0
1,741	Allow for excavation	17	CY		<i>see earthwork</i>
1,742	Aggregate backfill	7	CY	125.00	830
1,743	<u>Furniture</u>				
1,744	Wood Benches - FB1 as per 4/L300	3	EA	2,500.00	7,500
1,745	Wood Benches - FB2 as per 4/L300	1	EA	2,200.00	2,200
1,746	<u>Softscape</u>				
1,747	Lawn - Seeded, incl. 6" turf soil	3,949	SF	2.00	7,899
1,748	Groundcover				
1,749	Gro-Low Sumac	144	EA	100.00	14,400
1,750	Shrubs and Perennials				
1,751	Dwarf Clethra - #5 pot	11	EA	110.00	1,210
1,752	Steeds Holly - 3" B&B	7	EA	110.00	770
1,753	Trees				
1,754	Japanese Maple - 3" Cal	1	EA	800.00	800
1,755	Kousa Dogwood, 8-10' B&B	2	EA	850.00	1,700
1,756	Tulip tree - 3.5-4" Cal	1	EA	950.00	950
1,757	Allow for Landscape maintenance	1	EA	5,000.00	5,000
1,758					
1,759	<u>Soil</u>				
1,760	Allow for soil for trees, shrubs perennials and groundcover	1,337	SF	10.00	13,372
1,761					
1,762	GENERAL REQUIREMENTS				#REF!
1,763	Sidewalk closure fees				<i>Not Incl.</i>
1,764	Street closure fees				<i>Not Incl.</i>
1,765	Sidewalk bridge/OH protection				<i>Not Incl.</i>
1,766	Temp sitework, logistics, phasing	1	LS	50,000.00	50,000
1,767	Flaggers - allowance of 8 weeks				<i>Not Incl.</i>
1,768	OT allowances, deliveries, etc.	1	LS	50,000.00	50,000
1,769	Scaffolding Auditorium	1	LS	65,000.00	65,000
1,770	Temporary Protection	#REF!	GSF	2.74	#REF!
1,771	Temp construction, labor	#REF!	GSF	1.80	#REF!
1,772	General labor / progress cleaning	#REF!	GSF	0.70	#REF!
1,773	Temp site office setup	18.0	MO	1,200.00	21,600
1,774	Temp material lift & operator, misc. scaffolding, etc.	3.0	MO	3,500.00	10,500
1,775	Temp hoisting & operator				<i>Not Incl.</i>
1,776	Police details and OT deliveries				<i>Not Incl.</i>

1,777	Winter conditions allowance	1.0	LS	50,000.00	50,000
1,778	Final cleaning	#REF!	GSF	0.40	#REF!
1,779	Temp power				w/ Trades
1,780	Temp electric usage				w/ Trades
1,781	Temp water usage				w/ Trades
1,782	Temp sanitary facilities				w/ Trades
TOTAL DIRECT COSTS					93,08,974
SUBTOTAL ALLOCATIONS					29,31,142
	SDI - Allowance of 0.9% on "Non-Filed Sub Bid" packages only	0.9%	LS	25,000.00	25,000
	General Conditions - As Bond, Incl. Second Shift	1	LS	12,16,184.00	12,16,184
	Design Contingency	5.0%		93,33,974.31	4,66,699
	Construction Contingency	2.5%		93,33,974.31	2,33,349
	Escalation	3.9%		93,33,974.31	3,65,106
	GL Insurance & Builders Risk	1.35%		1,16,15,311.96	1,56,807
	Fee	2.3%		1,17,72,118.68	2,64,873
	Permits	1.2%		93,33,974.31	1,12,008
	CM Bond	0.75%		1,21,48,999.04	91,117
TOTAL CONSTRUCTION COST					1,22,40,117

