

Appendix J - Custom Unifomat for EDU Migration

Nr.	MTC Unifomat for VFA.facility	Life (Years)	Weight (1-100)	Out of Scope	Cost Y/N
1	A Substructure	150			N
2	A10 Foundations	150			N
3	A1010 Standard Foundations	150	75		N
4	A101004 Standard Foundations Repairs	20	75		Y
5	A1030 Slab on Grade	150	50		N
6	A20 Basement Construction	100			N
7	A2020 Basement Walls	100	60		N
8	B Shell	50			N
9	B10 Superstructure	150			N
10	B1010 Floor Construction	50	70		N
11	B101001 Structural Frame	150	70		Y
12	B101008 Floor Expansion Joints	20	70		Y
13	B1020 Roof Construction	50	75		N
14	B20 Exterior Enclosure	25			N
15	B2010 Exterior Walls	75	65		N
16	B201011 Exterior Walls - Joint Sealant	12	65		Y
17	B201012 Exterior Walls - EIFS	35	65		Y
18	B201013 Exterior Walls - Glass block	25	65		Y
19	B201014 Exterior Walls - Masonry Re - pointing	20	65		Y
20	B201015 Exterior Walls - Metal Siding	25	65		Y
21	B201016 Exterior Walls - Precast Wall Panels	50	65		Y
22	B201017 Exterior Walls - Stucco	25	65		Y
23	B201018 Exterior Walls - Vinyl Siding	20	65		Y
24	B201019 Exterior Walls - Brick	50	65		Y
25	B201020 Exterior Walls - Granular impregnated wall board	60	65		Y
26	B201021 Exterior Walls - Curtain Wall System	35	65		Y
27	B2020 Exterior Windows	32	70		N
28	B202005 Exterior Windows - Sealant Replacement	12	70		Y
29	B2030 Exterior Doors	27	60		N
30	B203004 Exterior Doors - Overhead and Roll - up	20	30		Y
31	B203008 Exterior Doors - Hardware	15	30		Y
32	B203009 Exterior Doors - Barrier Free Hardware	15	60		Y
33	B30 Roofing	22			N
34	B3010 Roof Coverings	22	80		N
35	B3020 Roof Openings	22	80		N
36	B302006 Roof Openings - Skylight	20	80		Y
37	C Interiors	20			N
38	C10 Interior Construction	75			N
39	C1010 Partitions	75	10		N
40	C101003 Partitions - Moveable	20	10		Y

41	C1020 Interior Doors	25	20		N
42	C102005 Interior Doors - Overhead	20	20		Y
43	C102007 Interior Doors - Hardware	15	20		Y
44	C102009 Interior Doors - Barrier Free Hardware	10	20		Y
45	C1030 Fittings	25	40		N
46	C103001 Fittings - Washroom Partitions	15	40		Y
47	C103002 Fittings - Washroom Accessories	15	20		Y
48	C103003 Fittings - Chalk/White Boards	15	20		Y
49	C103005 Fittings - Lockers	15	20		Y
50	C103009 Fittings - Millwork	25	40		Y
51	C103013 Fittings - Retractable Stage (Raised Access Floor)	25	40		Y
52	C103016 Fittings - Bleachers	25	40		Y
53	C103017 Fittings - Auditorium Seating	25	40		Y
54	C103018 Fittings - Window Coverings	10	30		Y
55	C20 Stairs	45			N
56	C2010 Stair Construction	40	100		N
57	C2020 Stair Finishes	30	25		N
58	C30 Interior Finishes	20			N
59	C3010 Wall Finishes	15	25		N
60	C301002 Wall Finishes - Plaster	15	25		Y
61	C301003 Wall Finishes - Gypsum	15	25		Y
62	C301004 Wall Finishes - Ceramic	15	25		Y
63	C301005 Wall Finishes - Paint	5	25		Y
64	C301006 Wall Finishes - Vinyl (Wall Paper)	15	25		Y
65	C301007 Wall Finishes - Acoustic Panel	15	25		Y
66	C301009 Wall Finishes - Terrazo	50	25		Y
67	C301011 Wall Finishes - Quarry Tile	30	25		Y
68	C301012 Wall Finishes - Porcelain	30	25		Y
69	C301013 Wall Finishes - Granite	30	25		Y
70	C301014 Wall Finishes - Marble	30	25		Y
71	C301015 Wall Finishes - Brick	30	25		Y
72	C301016 Wall Finishes - Wood Panel	15	25		Y
73	C301017 Wall Finishes - Stucco	15	25		Y
74	C301018 Wall Finishes - Glazed	15	25		Y
75	C301019 Wall Finishes - Waterproof Membrane	15	25		Y
76	C301099 Wall Finishes - Other	15	25		Y
77	C3020 Floor Finishes	15	45		N
78	C302001 Floor Finishes - Ceramic	15	40		Y
79	C302002 Floor Finishes - Terrazzo	50	40		Y
80	C302003 Floor Finishes - Wood	20	40		Y
81	C302004 Floor Finishes - Vinyl Tile	15	40		Y
82	C302005 Floor Finishes - Carpet	10	50		Y
83	C302006 Floor Finishes - Masonry and Stone	25	40		Y
84	C302007 Floor Finishes - Painted Sealed Concrete	25	40		Y

85	C302011 Floor Finishes - Quarry Tile	25	40		Y
86	C302012 Floor Finishes - Porcelain	25	40		Y
87	C302013 Floor Finishes - Granite	25	40		Y
88	C302014 Floor Finishes - Marble	25	40		Y
89	C302015 Floor Finishes - Vinyl Sheet	15	40		Y
90	C302016 Floor Finishes - Rubber	15	40		Y
91	C302017 Floor Finishes - Composite	15	40		Y
92	C302019 Floor Finishes - Waterproof Membrane	15	40		Y
93	C302020 Floor Finishes - Control Joints	15	40		Y
94	C302099 Floor Finishes - Other	15	40		Y
95	C3030 Ceiling Finishes	25	30		N
96	C303001 Ceiling Finishes - Exposed Concrete	20	30		N
97	C303002 Ceiling Finishes - Plaster	20	30		Y
98	C303003 Ceiling Finishes - Gypsum	20	30		Y
99	C303004 Ceiling Finishes - Acoustic	20	30		Y
100	C303005 Ceiling Finishes - Wood	20	30		Y
101	C303006 Ceiling Finishes - Paint	15	30		Y
102	C303008 Ceiling Finishes - Metal	20	30		Y
103	D Services	25			N
104	D10 Conveying	20			N
105	D1010 Elevators and Lifts	30	70		N
106	D101011 Elevators and Lifts - Passenger - Traction	25	70		Y
107	D101012 Elevators and Lifts - Passenger - Hydraulic	25	70		Y
108	D101021 Elevators and Lifts - Freight - Traction	30	50		Y
109	D101022 Elevators and Lifts - Freight - Hydraulic	30	50		Y
110	D101004 Elevators and Lifts - Wheelchair Lift	25	80		Y
111	D20 Plumbing	50			N
112	D2010 Plumbing Fixtures	35	30		N
113	D201001 Plumbing Fixtures - Water Closets	35	30		Y
114	D201002 Plumbing Fixtures - Urinals	35	30		Y
115	D201003 Plumbing Fixtures - Lavatories	30	30		Y
116	D201004 Plumbing Fixtures - Sinks	35	30		N
117	D201006 Plumbing Fixtures - Drinking Fountains and Coolers	30	30		N
118	D201010 Plumbing Fixtures - Accessible Washroom	35	30		N
119	D201011 Plumbing Fixtures - Eyewash Station	15	30		N
120	D2020 Domestic Water Distribution	35	45		N
121	D202001 Domestic Water Distribution - Pipes and Fittings	30	45		Y
122	D202030 Domestic Water Distribution - Natural Gas DWH	25	40		Y
123	D202031 Domestic Water Distribution - Electric DWH	25	40		N
124	D202033 Domestic Water Distribution - Pumps	25	40		Y
125	D202034 Domestic Water Distribution - Water Storage Tanks	25	40		Y
126	D202035 Domestic Water Distribution - Water Treatment Systems	25	40		Y
127	D202099 Domestic Water Distribution - Other Supply	25	40		Y
128	D2030 Sanitary Waste	35	60		N

129	D203099 Sanitary Waste - Other	35	60		N
130	D2040 Rain Water Drainage	35	60		N
131	D204099 Rain Water Drainage - Other System	40	60		N
132	D2090 Other Plumbing	35	55		N
133	D209002 Other Plumbing - Acid Waste Systems	35	55		N
134	D209003 Other Plumbing - Interceptors	20	50		N
135	D209004 Other Plumbing - Pool Piping and Equipment	20	55		N
136	D209005 Other Plumbing - Compressed Air System (Non-Breathing)	25	55		N
137	D209099 Other Plumbing - Other Systems	15	55		N
138	D30 HVAC	25			N
139	D3010 Energy Supply	25	70		N
140	D301001 Energy Supply System- Oil	28	50		N
141	D301002 Energy Supply System - Natural Gas	35	70		Y
142	D301004 Energy Supply System - Steam from Central Plant	45	50		N
143	D301005 Energy Supply System - Hot Water from Central Plant	45	50		N
144	D301006 Energy Supply System - Solar	35	40		N
145	D301007 Energy Supply System - Wind	35	40		N
146	D301010 Energy Supply System - Propane	25	70		N
147	D301011 Energy Supply System - Cold Water from Central Plant	45	50		N
148	D3020 Heat Generating	25	85		N
149	D302001 Heat Generating - Steam Boilers	25	85		Y
150	D302002 Heat Generating - Hot Water Boilers	25	85		Y
151	D302003 Heat Generating - Furnaces	15	85		Y
152	D302004 Heat Generating - Fuel - Fired Unit Heaters	20	60		N
153	D302006 Heat Generating - Equipment Thermal Insulation	25	50		N
154	D302050 Auxiliary Equipment - Chemical	25	60		Y
155	D302051 Auxiliary Equipment - Expansion Tanks	25	85		Y
156	D302052 Auxiliary Equipment - Heat Exchanger	25	85		Y
157	D302053 Auxiliary Equipment - Humidifiers	25	85		Y
158	D302054 Auxiliary Equipment - HVAC Pumps	25	85		Y
159	D302055 Auxiliary Equipment - Stacks & Breaching	25	85		Y
160	D302056 Auxiliary Equipment - Variable Frequency Drives (VFD)	25	85		Y
161	D302057 Auxiliary Equipment - Glycol	25	85		N
162	D302099 Heat Generating - Other	25	85		Y
163	D302098 Roof Top AHU - Heat&Cool	25	60		N
164	D302097 Make - Up AHU	25	60		N
165	D3030 Cooling Generating Systems	30	55		N
166	D303011 Chilled Water Systems - Chillers	30	55		Y
167	D303012 Chilled Water Systems - Cooling Towers	30	55		Y
168	D303099 Cooling Generating Systems - Other	30	50		Y
169	D3040 Distribution Systems	25	75		N
170	D304001 Distribution Systems - Air Distribution, Heating & Cooling	30	50		Y
171	D304002 Distribution Systems - Steam Distribution Systems	45	50		N
172	D304003 Distribution Systems - Heated Water Distribution Systems	20	80		Y

173	D304004 Distribution Systems - Change-over Distribution System	25	40		N
174	D304005 Distribution Systems - Glycol Distribution Systems	45	50		N
175	D304006 Distribution Systems - Chilled Water Distribution Systems	20	55		N
176	D304007 Distribution Systems - Exhaust Systems	22	35		Y
177	D304008 Air Handling Units	12	50		Y
178	D3050 Terminal and Package Units	25	60		N
179	D305001 Terminal and Package Units - Unit Ventilators	12	60		Y
180	D305002 Terminal and Package Units - Unit Heaters	30	60		N
181	D305003 Terminal and Package Units - Fan Coil Units	30	60		N
182	D305004 Terminal and Package Units - Fin Tube Radiation	30	60		N
183	D305006 Terminal and Package Units - Package Units	30	60		N
184	D305099 Terminal and Package Units - Other	25	60		Y
185	D305007 Terminal and Package Units - Heat Pumps	30	60		Y
186	D3060 Controls and Instrumentation	25	55		N
187	D306002 Controls and Instrumentation - Electronic	25	55		Y
188	D306003 Controls and Instrumentation - Pneumatic	30	50		Y
189	D306004 Building Automation System (F105002)	15	50		N
190	D3090 Other HVAC Systems and Equipment	20	55		N
191	D309002 Other HVAC Systems and Equipment - Refrigeration Systems	30	50		Y
192	D40 Fire Protection	40			N
193	D4010 Sprinklers	47	100		N
194	D4020 Standpipe Systems	45	100		N
195	D4090 Other Fire Protection Systems	40	100		N
196	D409001 Carbon Dioxide System	10	100		N
197	D409005 Other Fire Protection Systems - Hood and Duct	40	100		Y
198	D409006 Other Fire Protection Systems - Fire Pumps	25	100		Y
199	D409008 Other Fire Protection Systems - Smoke Fans	25	100		Y
200	D50 Electrical	50			N
201	D5010 Electrical Service and Distribution	25	85		N
202	D501001 Electrical Service and Distribution - Main Transformer	30	85		Y
203	D501002 Electrical Service and Distribution - Secondary Transformer	30	75		Y
204	D501003 Electrical Service and Distribution - Main Switchboard	30	85		Y
205	D501004 Electrical Service and Distribution - Interior Distribution Transformer	30	75		N
206	D501005 Electrical Service and Distribution - Panel	30	75		Y
207	D501007 Electrical Service and Distribution - Motor Control Centre	30	75		Y
208	D501099 Electrical Service and Distribution - Other	30	25		N
209	D5020 Lighting and Branch Wiring	25	60		N
210	D502001 Lighting and Branch Wiring - Branch Wiring	50	35		Y
211	D502003 Lighting and Branch Wiring - Interior Lighting	35	55		Y
212	D502004 Lighting and Branch Wiring - Exterior Lighting	15	55		Y
213	D502005 Lighting and Branch Wiring - Exit Lighting and Signs	35	55		Y
214	D502006 Lighting and Branch Wiring - Stage Lighting	35	55		Y
215	D502007 Lighting and Branch Wiring - Emergency Lighting	35	75		Y

216	D5030 Communications and Security	20	75		N
217	D503001 Communication and Security - Fire Alarm	20	100		Y
218	D503002 Communication and Security - Telecommunications Systems	25	100		N
219	D503004 Communication and Security - Public Address	25	80		Y
220	D503007 Communication and Security - CCTV	25	35		Y
221	D503008 Communication and Security - Security	15	35		Y
222	D503021 Communication and Security - IT - Infrastructure	25	35		Y
223	D503099 Communication and Security - Other	8	45		Y
224	D5090 Other Electrical	35	60		N
225	D509002 Other Electrical - Emergency Lighting and Power	30	100		Y
226	D509003 Other Electrical - Grounding	50	70		N
227	D509005 Other Electrical - Electric Heating	30	60		N
228	D509095 Other Special Systems and Devices - Methane Venting Systems	20	70		N
229	D509096 Other Special Systems and Devices - Shop Compressed Air Systems	15	30		Y
230	D509097 Other Special Systems and Devices - Dust Collector	15	30		Y
231	D509098 Other Special Systems and Devices - Auto Hoist	15	30		Y
232	D509099 Other Special Systems and Devices	35	80		Y
233	E Equipment & Furnishings			x	N
234	E10 Equipment (Fixed Items)	10	10	x	N
235	E20 Furnishings (Fixed Items)	10	10	x	N
236	F Special Construction & Demolition			x	N
237	F10 Special Construction			x	N
238	F1010 Special Structures				N
239	F101001 Metal Building Systems (Portables)	25	10	x	Y
240	F1050 Special Controls and Instrumentation			x	N
241	F1060 Specialized Program Space	20	10	x	N
242	F106001 Double/Large Gymnasium	20	10	x	Y
243	F106002 Single Gymnasium	20	10	x	Y
244	F106003 Library Resource Centre	20	10	x	Y
245	F106004 Science Laboratory	20	10	x	Y
246	F106005 Board Based Technology Shop -Large	20	10	x	Y
247	F106006 Board Based Technology Shop -Small	20	10	x	Y
248	F106007 General Purpose Room	20	10	x	Y
249	F106008 Cafeteria/Cafetorium	20	10	x	Y
250	F106009 Auditorium/Theatre	20	10	x	Y
251	F106010 Music Room	20	10	x	Y
252	F106011 Visual Arts Room	20	10	x	Y
253	F106012 Exercise Room	20	10	x	Y
254	F106013 Business/Computer Room	20	10	x	Y
255	F106014 Kindergarten Room	20	10	x	Y
256	F106015 Childcare	20	10	x	Y
257	F106016 Special Needs Room	20	10	x	Y
258	F106017 Safe Schools - Entrance and Office	20	10	x	Y
259	F20 Selective Building Demolition			x	N

260	F2020 Hazardous Components Abatement		10	x	N
261	G Building Sitework	18			N
262	G10 Site Preparation			x	N
263	G1040 Hazardous Waste Reduction		10	x	N
264	G20 Site Improvements	10			N
265	G2010 Roadways	25	30		N
266	G201003 Roadways - Paved	20	30		Y
267	G201010 Roadways - Unpaved	20	30		Y
268	G2020 Parking Lots	20	30		N
269	G202003 Parking Lots - Paved	20	30		Y
270	G202010 Parking Lots - Unpaved	20	30		Y
271	G2030 Pedestrian Paving	20	30		N
272	G203003 Pedestrian Paving - Paved	10	30		Y
273	G203010 Pedestrian Paving - Unpaved	10	30		Y
274	G203099 Other Walks, Steps and Terraces	15	30		Y
275	G2040 Site Development	35	50		N
276	G204001 Site Development - Fencing and Gates	25	50		Y
277	G204002 Site Development - Retaining Walls	50	50		Y
278	G204005 Site Development - Signage	10	50	x	Y
279	G204010 Site Development - Exterior Stairs	15	50		Y
280	G204011 Site Development - Exterior Ramps	10	50		N
281	G204071 Site Development - Playing Fields - Unpaved	15	25		Y
282	G204072 Site Development - Playing Fields - Paved	15	25		Y
283	G204099 Site Development - Other	35	25	x	Y
284	G2050 Landscaping	20	10		N
285	G205007 Landscaping - Irrigation	10	20		Y
286	G30 Site/Civil Mechanical Utilities	50			N
287	G3010 Water Supply	50	90		N
288	G301001 Water Supply - Well Systems	30	80		Y
289	G301004 Fire Protection Water Distribution	50	90		N
290	G301005 Fire Protection Water Storage	50	90		N
291	G3020 Sanitary Sewer	50	50		N
292	G302005 Sanitary Sewer - Septic Tanks	50	50		Y
293	G302006 Drain Fields	40	50		N
294	G3030 Storm Sewer	50	35		N
295	G303007 Storm Sewer - Stormwater Management	25	35		Y
296	G3060 Fuel Distribution	25	40		N
297	G40 Site Electrical Utilities	50			N
298	G4010 Electrical Distribution	50	65		N
299	G4020 Site Lighting	25	30		N
300	G90 Other Site Construction	30	40		N

Notes:

- Hazardous waste abatement/reduction will only be evaluated if a board produced study is provided.
- Items in Unifomat level E refer to items of a fixed nature, which should be captured in C (interiors).
- Items in Unifomat level F are for board reporting purposes; otherwise not assessed (F1050 is captured under D).
- Color coding

A Substructure

A10 Foundations

A1010 Standard Foundations

A101004 Standard Foundations Repairs

Level One

Level Two

Level Three

Level Four

- Weights are provided only in levels three and four
- Items with N in the Cost column do not have cost data