



Dynamic Estimation Inc.

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Phone: 859-515-2045

PROJECT ID: EHRM Infrastructure Upgrades - Tennessee Valley Healthcare System, Murfreesboro
SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
GENERAL REQUIREMENTS									
1		Supervision	1	LS					
2		Permits	1	LS					
3		Final Clean-up	1	LS					
4		Mobilization Costs	1	LS					
5		Project Overheads	1	LS					
6		Bonds	1	LS					
7		Temporary Control & Facilities	1	LS					
8		Scaffolding	1	LS					
		Subtotal (General Requirements)							\$0
DIVISION 02- EXISTING CONDITION									
		BUILDING-01							
		DEMOLITIONS							
9	001.A400	Demolish Existing Lay-In Ceiling Assembly Including Suspension Wires And Wall Angles	131	SF					
10	001.A400	Remove Existing Wall For Install Of New Door And Frame	3	FT					
11	001.A400	Remove Existing Sheet Flooring, Scrape Or Grind As Required To Remove Entirely, Including Adhesive And Underlayments To Bare Sub Floor	132	SF					
12	001.A400	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity.	58	SF					
13	001.A400	Existing Fire Sprinkler System To Remain. Protect From Damage Due To Construction Activity	1	EA					
14	001.A400	Remove Existing Light Fixture	4	EA					
15	001.A400	Remove Existing Wall	21	SF					
16	001.A400	Remove Existing Wall Base	40	FT					
		DEMOLITIONS							
17	001.A410	Remove Existing Door And Frame	1	EA					
18	001.A410	Remove Existing Wall	75	SF					
19	001.A410	Remove Existing Sheet Flooring, Scrape Or Grind As Required To Remove Entirely, Including Adhesive And Underlayments To Bare Sub Floor	174	SF					
20	001.A410	Remove Existing Light Fixture	4	EA					
21	001.A410	Demolish Existing Lay-In Ceiling Assembly Including Suspension Wires And Wall Angles	174	SF					
22	001.A410	Remove Existing Wall Base	52	FT					
		DEMOLITIONS							
23	001.A440	Demolish Existing Lay-In Ceiling Assembly Including Suspension Wires And Wall Angles	25	SF					
24	001.A440	Remove Existing Light Fixture	25	SF					
25	001.A440	Remove Existing mechanical Devices	3	EA					
26	001.A440	Remove Existing Ductwork	13	FT					
		DEMOLITIONS							
27	001.MD.401	Remove Existing Air Handling Devices	7	EA					
28	001.MD.401	Remove Existing VAV Box	1	EA					
29	001.MD.401	Remove Existing Ductwork	21	FT					
30	001.MD.401	Remove Existing Thermostat	2	EA					
31	001.MD.401	Remove Existing Refrigerant Pipe	1	FT					
32	001.MD.401	Cap Existing Duct After Demolitions	1	EA					
33	001.MD.401	Cap Existing Refrigerant Pipe After Demolitions	2	EA					
34	001.MD.401	Remove Condensing Unit	1	EA					
35	001.MD.401	Remove Existing Window Unit And Patch Wall Opening To match Existing	1	EA					
36	001.MD.401	Remove Existing Concrete Pad	1	EA					
37	001.MD.401	Remove Existing A/C Unit	1	EA					
		DEMO							
38	001.TD.111	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	93	EA					
39	001.TD.111	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	17	EA					
		DEMO							
40	001.TD.120	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	117	EA					
41	001.TD.120	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	21	EA					



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		DEMO							
42	001.TD.151	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	26	EA					
43	001.TD.151	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	7	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-02							
		DEMOLITIONS							
44	002.A400	Remove Existing Wall	141	SF					
45	002.A400	Remove Existing Sheet Flooring, Scrape Or Grind As Required To Remove Entirely, Including Adhesive And Underlayments To Bare Sub Floor	40	SF					
46	002.A400	Remove Existing Door And Frame	1	EA					
47	002.A400	Existing Fire Sprinkler System To Remain. Protect From Damage Due To Construction Activity	342	SF					
48	002.A400	Remove Existing Light Fixture	1	EA					
49	002.A400	Remove Existing Wall Base	24	FT					
		DEMOLITIONS							
50	002.A410	Remove Existing Carpet. Scrape Or Grind As Required To Remove Entirely, Including Adhesive And Underlayments To Bare Sub Floor	123	SF					
51	002.A410	Remove Existing Door And Frame	1	EA					
52	002.A410	Remove Existing Suspended Gypsum Board Ceiling	123	SF					
53	002.A410	Remove Existing Light Fixture	123	SF					
54	002.A410	Existing Fire Sprinkler System To Remain. Protect From Damage Due To Construction Activity	123	SF					
55	002.A410	Remove Existing Wall Base	38	FT					
		DEMOLITIONS							
56	002.MD.401	Remove Existing AC Unit Mounted In Wall Opening	1	EA					
		DEMO							
57	002.TD.114	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	100	EA					
58	002.TD.114	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	17	EA					
		DEMO							
59	002.TD.124	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	70	EA					
60	002.TD.124	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	20	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING -03							
		DEMOLITIONS							
61	003.A400	Remove Existing Light Fixture	1	EA					
62	003.A400	Remove Portion Of Existing Suspended Ceiling System To Extent Indicated. Remove Full Ceiling Tiles, 2 And 4 Foot T-Bar Sections And Suspension Wire. Cut Main T-Bars Cleanly	118	SF					
63	003.A400	Existing Fire Sprinkler System To Remain. Protect From Damage Due To Construction Activity	1	EA					
64	003.A400	Remove Existing Wall	110	SF					
65	003.A400	Remove Existing Planter. Leave Full Base Cabinets And Countertop.	1	EA					
66	003.A400	Remove Existing Flooring	121	SF					
67	003.A400	Remove Existing Wall Base	56	FT					
		DEMOLITIONS							
68	003.A410	Remove Existing Flooring	123	SF					
69	003.A410	Remove Existing Door And Frame	2	EA					
70	003.A410	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity.	39	SF					
71	003.A410	Remove Existing Wall	164	SF					
72	003.A410	Remove Portion Of Existing Suspended Ceiling System To Extent Indicated. Remove Full Ceiling Tiles, 2 And 4 Foot T-Bar Sections And Suspension Wire. Cut Main T-Bars Cleanly	155	SF					



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73	003.A410	Existing Fire Sprinkler System To Remain. Protect From Damage Due To Construction Activity	95	SF					
74	003.A410	Remove Existing Light Fixture	1	EA					
75	003.A410	Remove Existing Wall For Install Of New Door And Frame	3	FT					
76	003.A410	Remove Existing Wall Base	47	FT					
		DEMOLITIONS							
77	003.MD.401	Remove Existing Steam Radiator. Remove Piping Runouts Below Back To Main And Cap Off	1	EA					
78	003.MD.401	Remove Existing Air Handling Devices	5	EA					
79	003.MD.401	Remove Existing Ductwork	27	FT					
80	003.MD.401	Cap Existing Ducts After Demolitions	5	EA					
81	003.MD.401	Remove Existing Refrigerant Piping	12	FT					
82	003.MD.401	Cap Refrigerant Piping After Piping	2	EA					
		DEMO							
83	003.TD.112	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	181	EA					
84	003.TD.112	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	25	EA					
		DEMO							
85	003.TD.122	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	141	EA					
86	003.TD.122	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	11	EA					
		DEMO							
87	003.TD.133	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	120	EA					
88	003.TD.133	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	25	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-04							
		DEMO							
89	004-A.400	Demolish Existing Lay in Ceiling Assembly Including Suspension Wires & Wall Angles	71	SF					
90	004-A.400	Remove Existing Light Fixture	1	EA					
91	004-A.400	Remove existing Door & Frame	2	EA					
92	004-A.400	Controlled Demolition Of Wall For Installation Of New Door & Frame	21	SF					
93	004-A.400	Remove Existing Composite Floor Tile Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	71	SF					
94	004-A.400	Remove Existing Wall Base	28	FT					
		MECHANICAL DEMO							
95	004.M.401	Remove Existing Radiator & Cap Off Piping @ Slab	1	EA					
		ELECTRICAL DEMO							
96	004-ED.100	Demolished All Existing Receptacle Switches Low Voltage & Wiring Devices	71	SF					
		DEMO							
97	004.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	1	EA					
		DEMO							
98	004.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	84	EA					
99	004.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	14	EA					



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		DEMO							
100	004.TD.102	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	12	EA					
101	004.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	4	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-05							
		DEMO							
102	005.A.410	Remove Existing Door & Frame	3	EA					
103	005.A.410	Demolish Existing Walls	207	SF					
104	005.A.410	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	63	SF					
105	005.A.410	Remove Existing Composition Floor Tile Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	126	SF					
106	005.A.410	Remove Wall Base	68	FT					
		DEMO							
107	005-A.420	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	1	EA					
108	005-A.420	Remove Existing Light Fixture	2	EA					
109	005-A.420	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	159	SF					
110	005-A.420	Demolish Existing Walls	205	SF					
111	005-A.420	Remove Existing Door & Frame	2	EA					
112	005-A.420	Remove Existing Sheet Flooring Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	159	SF					
113	005-A.420	Remove Wall Base	74	FT					
		MECHANICAL DEMO							
114	005-MD.401	Remove Existing Radiator & Cap Off Piping	2	EA					
115	005-MD.401	Remove Return Duct & Cap Off	1	EA					
116	005-MD.401	Remove Duct	38	FT					
117	005-MD.401	Remove Flexible Duct	5	FT					
118	005-MD.401	Remove Diffuser	2	EA					
119	005-MD.401	Remove Thermostat	2	EA					
120	005-MD.401	Remove Mechanical Equipment	3	EA					
121	005-MD.401	Remove Existing Piping	17	FT					
122	005-MD.401	Remove exhaust Duct Up Thru Slab & Cap off In Attic Patch Opening In Attic Floor	10	FT					
		ELECTRICAL DEMO							
123	005-ED.100	Demolished All Existing Receptacle Switches Low Voltage & Wiring Devices	137	SF					
		DEMO							
124	005.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	61	EA					
125	005.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	31	EA					
		DEMO							
126	005.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	146	EA					
127	005.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	27	EA					
		DEMO							
128	005.TD.102	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	163	EA					
129	005.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	31	EA					



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		DEMO							
130	005.TD.401	EXISTING RACKS TO BE DEMO AFTER NEW RACKS ARE ACTIVE AND TERMINATIONS ARE COMPLETE	4	EA					
131	005.TD.401	Remove UPS And Cabling To Source	3	EA					
132	005.TD.401	Remove Cabinet	9	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-06							
		DEMO							
133	006-A.400	Remove Existing Composition Floor Tile Scrape Or Grid As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	152	SF					
134	006-A.400	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	152	SF					
135	006-A.400	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	153	SF					
136	006-A.400	Remove Wall Base	47	FT					
137	006-A.400	Remove Existing Door & Frame	1	EA					
		DEMO							
138	006-A.410	Remove Existing Composition Floor Tile Scrape Or Grid As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	88	SF					
139	006-A.410	Demolish Existing Walls	265	SF					
140	006-A.410	Remove Existing Door & Frame	2	EA					
141	006-A.410	Remove Wall Base	40	FT					
		DEMO							
142	006-A.420	Remove Existing Door & Frame	2	EA					
143	006-A.420	Demolish Existing Walls	134	SF					
144	006-A.420	Remove Existing Composition Floor Tile Scrape Or Grid As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	161	SF					
145	006-A.420	Remove Wall Base	74	FT					
146	006-A.420	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	73	SF					
147	006-A.420	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	163	SF					
148	006-A.420	Remove Existing Light Fixture	73	SF					
		MECHAICAL DEMO							
149	006-MD.401	Remove Existing Duct	32	FT					
150	006-MD.401	Flexible Duct	12	FT					
151	006-MD.401	Remove Diffuser	3	EA					
152	006-MD.401	Remove HVAC Equipment Cap off Piping & Ductwork Outin Hall Way Pat	3	EA					
153	006-MD.401	Remove Existing Piping	33	FT					
154	006-MD.401	Demo Existing Thermostat	2	EA					
155	006-MD.401	Remove Reheat Box & Associated Ductwork & Piping	1	EA					
156	006-MD.401	Remove Radaitor & Piping Capoff Piping Below Slab	1	EA					
157	006-MD.401	Remove Grille	2	EA					
		ELECTRICAL DEMO							
158	006-ED.100	Demolished All Existing Receptacle Switches Low Voltage & Wiring Devices	388	SF					
		DEMO							
159	006.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	149	EA					
160	006.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	29	EA					
		DEMO							
161	006.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	111	EA					
162	006.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	26	EA					
		DEMO							



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163	006.TD.102	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	94	EA					
164	006.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	26	EA					
		DEMO							
165	006.TD.401	EXISTING RACKS TO BE DEMO AFTER NEW RACKS ARE ACTIVE AND TERMINATIONS ARE COMPLETE	4	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-07							
		DEMO							
166	007-A.400	Demolish Existintg Walls	237	SF					
167	007-A.400	Remove Existing Door & Frame	1	EA					
168	007-A.400	Remove Existing Sheet Flooring Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	205	SF					
169	007-A.400	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	100	SF					
170	007-A.400	Remove Existing Light Fixture	2	EA					
171	007-A.400	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	201	SF					
172	007-A.400	Remove Portion Of Existing Suspended Ceiling System To Extent Indicated Remove Full Ceiling Tiles 2 & 4 Foot T Bar Sections & Suspension Wire Cut Main T Bars Cleanly	201	SF					
173	007-A.400	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	121	SF					
174	007-A.400	Remove Wall Base	65	FT					
		DEMO							
175	007-A.410	Remove Existing Door & Frame	2	EA					
176	007-A.410	Demolish Existintg Walls	191	SF					
177	007-A.410	Existing Plumbing Fixture To Be Removed	6	EA					
178	007-A.410	Remove Grab Bar	4	EA					
179	007-A.410	Remove Tissue Dispenser	2	EA					
180	007-A.410	Remove Soap Dispenser	2	EA					
181	007-A.410	Remove Mirror	2	EA					
182	007-A.410	Remove Wall Base	51	FT					
183	007-A.410	Remove Existing Composition Floor Tile Scrape Or Grid As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	81	SF					
184	007-A.410	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	178	SF					
185	007-A.410	Remove Existing Light Fixture	4	EA					
186	007-A.410	Demolsih Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	81	SF					
187	007-A.410	Demolsih Existing Suspended Gypsum Board Ceiling	24	SF					
188	007-A.410	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	150	SF					
		DEMO							
189	007-A.420	Remove Existing Television & Ligature Resistant Enclosure Install On Temporary Construction Barrier For Duration Of Construction	1	EA					
190	007-A.420	Relocate Existing Television & Ligature Resitant Enclosure To WallAfter Temp Construction Barrier Removal	1	EA					
191	007-A.420	Install Temporary Construction Barrier In Compliance With Requirement Remove After all Construction Activity Complete & Restore Finished To Pre Construction Condition	1	EA					
192	007-A.420	Remove Existing Hollow Metal Window Wall Temporary For Construction Access	1	EA					
193	007-A.420	Remove Existing Sheet Flooring Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	151	SF					
194	007-A.420	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	145	SF					
195	007-A.420	Remove Wall Base	73	FT					
196	007-A.420	Remove Existing Light Fixture	3	EA					
197	007-A.420	Remove Existing Speaker Relocate Or Salvaged To Owner	3	EA					
198	007-A.420	Demolsih Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	148	SF					
199	007-A.420	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	419	SF					
200	007-A.420	Portion Of Existing Suspended Ceiling System To Remain Cut Ceiling Tile Replace Damaged T Bar Add New Wall Angle & Suspension Wires As Required	271	SF					



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201	007-A.420	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	271	SF					
		MECHANICAL DEMO							
202	007-MD.401	Remove Existing Diffuser	1	EA					
203	007-MD.401	Remove Existing Flexible Duct	8	FT					
204	007-MD.401	Remove Return Grille	1	EA					
205	007-MD.401	Remove Existing Duct	7	FT					
206	007-MD.401	Remove Exhaust Grille	2	EA					
207	007-MD.401	Capped Existing Duct	2	EA					
208	007-MD.401	Remove Rediabnt Panel & Capoff Piping	1	EA					
209	007-MD.401	Existing Air Distribution Devices To Be Relocated To The Left Of New Wall	2	EA					
		ELECTRICAL DEMO							
210	007-ED.100	Demolished All Existing Receptacle Switches Low Voltage & Wiring Devices	428	SF					
		DEMO							
211	007.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	91	EA					
212	007.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	31	EA					
		DEMO							
213	007.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	45	EA					
214	007.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	22	EA					
		DEMO							
215	007.TD.102	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	44	EA					
216	007.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	20	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-08							
		DEMO							
217	007-A.400	Demolish Existintg Walls	237	SF					
218	007-A.400	Remove Existing Door & Frame	1	EA					
219	007-A.400	Remove Existing Sheet Flooring Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	205	SF					
220	007-A.400	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	100	SF					
221	007-A.400	Remove Existing Light Fixture	2	EA					
222	007-A.400	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	201	SF					
223	007-A.400	Remove Portion Of Existing Suspended Ceiling System To Extent Indicated Remove Full Ceiling Tiles 2 & 4 Foot T Bar Sections & Suspension Wire Cut Main T Bars Cleanly	201	SF					
224	007-A.400	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	121	SF					
225	007-A.400	Remove Wall Base	65	FT					
		DEMO							
226	007-A.410	Remove Existing Door & Frame	2	EA					
227	007-A.410	Demolish Existintg Walls	191	SF					
228	007-A.410	Existing Plumbing Fixture To Be Removed	6	EA					
229	007-A.410	Remove Grab Bar	4	EA					
230	007-A.410	Remove Tissue Dispenser	2	EA					
231	007-A.410	Remove Soap Dispenser	2	EA					
232	007-A.410	Remove Mirror	2	EA					
233	007-A.410	Remove Wall Base	51	FT					
234	007-A.410	Remove Existing Composition Floor Tile Scrape Or Grid As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	81	SF					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
235	007-A.410	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	178	SF					
236	007-A.410	Remove Existing Light Fixture	4	EA					
237	007-A.410	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	81	SF					
238	007-A.410	Demolish Existing Suspended Gypsum Board Ceiling	24	SF					
239	007-A.410	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	150	SF					
		DEMO							
240	007-A.420	Remove Existing Television & Ligature Resistant Enclosure Install On Temporary Construction Barrier For Duration Of Construction	1	EA					
241	007-A.420	Relocate Existing Television & Ligature Resistant Enclosure To Wall After Temp Construction Barrier Removal	1	EA					
242	007-A.420	Install Temporary Construction Barrier In Compliance With Requirement Remove After all Construction Activity Complete & Restore Finished To Pre Construction Condition	1	EA					
243	007-A.420	Remove Existing Hollow Metal Window Wall Temporary For Construction Access	1	EA					
244	007-A.420	Remove Existing Sheet Flooring Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	151	SF					
245	007-A.420	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	145	SF					
246	007-A.420	Remove Wall Base	73	FT					
247	007-A.420	Remove Existing Light Fixture	3	EA					
248	007-A.420	Remove Existing Speaker Relocate Or Salvaged To Owner	3	EA					
249	007-A.420	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	148	SF					
250	007-A.420	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	419	SF					
251	007-A.420	Portion Of Existing Suspended Ceiling System To Remain Cut Ceiling Tile Replace Damaged T Bar Add New Wall Angle & Suspension Wires As Required	271	SF					
252	007-A.420	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	271	SF					
		MECHANICAL DEMO							
253	007-MD.401	Remove Existing Diffuser	1	EA					
254	007-MD.401	Remove Existing Flexible Duct	8	FT					
255	007-MD.401	Remove Return Grille	1	EA					
256	007-MD.401	Remove Existing Duct	7	FT					
257	007-MD.401	Remove Exhaust Grille	2	EA					
258	007-MD.401	Capped Existing Duct	2	EA					
259	007-MD.401	Remove Radiant Panel & Capoff Piping	1	EA					
260	007-MD.401	Existing Air Distribution Devices To Be Relocated To The Left Of New Wall	2	EA					
		ELECTRICAL DEMO							
261	007-ED.100	Demolished All Existing Receptacle Switches Low Voltage & Wiring Devices	428	SF					
		DEMO							
262	007.TD.100	TELECOMMUNICATIONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	91	EA					
263	007.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	31	EA					
		DEMO							
264	007.TD.101	TELECOMMUNICATIONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	45	EA					
265	007.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	22	EA					
		DEMO							
266	007.TD.102	TELECOMMUNICATIONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	44	EA					



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267	007.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	20	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-09							
		DEMO							
268	008-A.400	Demolish Existing Walls	165	SF					
269	008-A.400	Remove Existing Carpet Flooring Scrape Or Grid As Required To Remove Entirely	135	SF					
270	008-A.400	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	145	SF					
271	008-A.400	Remove Wall Base	58	FT					
272	008-A.400	Remove Existing Light Fixture	1	EA					
273	008-A.400	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	85	SF					
274	008-A.400	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	131	SF					
275	008-A.400	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	146	SF					
		DEMO							
276	008-A.410	Remove Existing Windows	3	EA					
277	008-A.410	Remove Existing Light Fixture	4	EA					
278	008-A.410	Remove Existing Door & Frame	1	EA					
279	008-A.410	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	140	SF					
280	008-A.410	Remove Portion Of Existing Suspended Ceiling System To Extent Indicated Remove Full Ceiling Tiles 2 & 4 Foot T Bar Sections & Suspension Wire Cut Main T Bars Cleanly	140	SF					
281	008-A.410	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	178	SF					
282	008-A.410	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	31	SF					
		DEMO							
283	008-A.420	Install Temporary Construction Barrier In Compliance With Requirement Remove After all Construction Activity Complete & Restore Finished To Pre Construction Condition	13	FT					
284	008-A.420	Remove Existing Windows	5	EA					
285	008-A.420	Remove Existing Sheet Flooring Scrape Or Grind As Required To Remove Entirely Including Adhesive & Underlayment To Bare Sub Floor	133	SF					
286	008-A.420	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	113	SF					
287	008-A.420	Remove Existing Light Fixture	2	EA					
288	008-A.420	Portion Of Existing Ceiling To Remain Patch & Repair As Required To Match Adjacent	219	SF					
289	008-A.420	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	133	SF					
290	008-A.420	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	133	SF					
291	008-A.420	Remove Portion Of Existing Suspended Ceiling System To Extent Indicated Remove Full Ceiling Tiles 2 & 4 Foot T Bar Sections & Suspension Wire Cut Main T Bars Cleanly	133	SF					
		MECHANICAL DEMO							
292	008-MD.401	Remove Existing Diffuser	6	EA					
293	008-MD.401	Remove Existing Return Grille	1	EA					
294	008-MD.401	Remove Existing Thermostat	2	EA					
295	008-MD.401	Remove existing Duct	38	FT					
296	008-MD.401	Remove Flexible Duct	39	FT					
297	008-MD.401	Remove Mechanical Equipment	1	EA					
		ELECTRICAL DEMO							
298	008-ED.100	Demolished All Existing Receptacle Switches Low Voltage & Wiring Devices	376	SF					
		DEMO							
299	008.TD.100	TELECOMMUNICATIONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	95	EA					
300	008.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	25	EA					
		DEMO							



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301	008.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	64	EA					
302	008.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	25	EA					
		DEMO							
303	008.TD.102	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	72	EA					
304	008.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	26	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-10							
		DEMO							
305	010-A.420	Remove Existing Door & Frame	2	EA					
306	010-A.420	Remove Existing Closet Shelving	14	SF					
307	010-A.420	Remove Existing Flooring & Base Prep Slab To Recieve New Material	137	SF					
308	010-A.420	Remove Vinyl Plank Flooring	137	SF					
309	010-A.420	Remove Wall Base	43	FT					
310	010-A.420	Demolish Existintg Walls	17	SF					
311	010-A.420	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	136	SF					
312	010-A.420	Remove Existing Light Fixture	136	SF					
313	010-A.420	Remove Existing Hard LID Ceiling	136	SF					
		MECHANICAL DEMO							
314	010-M.101	Remove Existing Radiator & Cap Off Piping	1	EA					
315	010-M.101	Remove Existing Air Device	2	EA					
316	010-M.101	Remove Existing Thermostat @ Patch Wall	1	EA					
317	010-M.101	Remove Existing Air Device & All Associated Piping	1	EA					
318	010-M.101	Remove Existing Duct	2	FT					
		ELECTRICAL DMEO							
319	010-ED.100	Demolished All Existing Receptacle Switches Low Voltage & Wiring Devices	139	SF					
320	010-ED.100	Remove Existing Electrical Panel	1	EA					
		DEMO							
321	010.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	23	EA					
322	010.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	7	EA					
		DEMO							
323	010.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	28	EA					
324	010.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	9	EA					
		DEMO							
325	010.TD.102	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	24	EA					
326	010.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	11	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING -11							
		DEMO							
327	011.A.410	Remove Existing Door And Frame	1	EA					
328	011.A.410	Remove Existing Lay-In Ceiling Assembly Including Suspension Wire And Wall Angles	156	SF					



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329	011.A.410	Remove Existing Sheet Flooring, Scrape Or Grind As Required To Remove Entirely, Including Adhesive And Underlayments To bare Sub Floor	157	SF					
330	011.A.410	Remove Existing Wall Base	47	FT					
		DEMO							
331	011.A.420	Remove Existing Sheet Flooring, Scrape Or Grind As Required To Remove Entirely, Including Adhesive And Underlayments To bare Sub Floor	109	SF					
332	011.A.420	Protect Existing Flooring Material To Remain Form Damage Due To Construction Activity	79	SF					
333	011.A.420	Remove Existing Door And Frame	1	EA					
334	011.A.420	Remove Existing Wall In Its Entirety	125	SF					
335	011.A.420	Remove Existing Lay-In Ceiling Assembly Including Suspension Wire And Wall Angles	91	SF					
336	011.A.420	Remove Portion Of Existing Suspended Ceiling System	91	SF					
		MECH DEMO							
337	011.MD.401	Remove Existing Grille And Cap Off Duct	2	EA					
338	011.MD.401	Remove Steam Radiator And Cap Off Piping	1	EA					
339	011.MD.401	Remove Return Grille And Associated Low Pressure Ductwork, Cap Off Duct	1	EA					
340	011.MD.401	Remove Vav Reheat Box	1	EA					
341	011.MD.401	Remove Existing Hot Water Piping	5	FT					
342	011.MD.401	Cap Off Water Piping	2	EA					
343	011.MD.401	Remove Existing Air handling Devices	2	EA					
344	011.MD.401	Remove Existing Ductwork	20	FT					
		ELEC DEMO							
345	011.ED.100	Remove Existing Receptacles, Lighting, Switches, Low Voltage, ETC. And Wiring Devices	263	SF					
346	011.ED.100	Remove Existing Electrical Panel	1	EA					
		TELECOM DEMO							
347	011.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	11	EA					
348	011.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	8	EA					
		TELECOM DEMO							
349	011.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	21	EA					
350	011.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	6	EA					
		TELECOM DEMO							
351	011.TD.102	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	16	EA					
352	011.TD.102	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	11	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-12							
		TELECOM DEMO							
353	012.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	44	EA					
354	012.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	19	EA					
		ELEC DEMO							
355	012.ED.100	Remove Existing Lighting Fixture And Receptacle Circuits	121	SF					
356	012.ED.100	Remove Existing Lighting And Receptacle Circuits	112	SF					
		Subtotal (Existing Condition)							\$0



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		BUILDING-13							
		DEMOLITION							
357	013.A.400	Existing Ceiling System To Remain. Cut Ceiling Tile, Replace Damaged T-Bar, Add New Wall Angle And Suspension Wires As Required	40	SF					
358	013.A.400	Protect Existing Fire Sprinkler System From Damage Dut To Construction Activity	40	SF					
		Subtotal (Existing Condition)							\$0
		BUILDING-15							
		DEMOLITION							
359	015.A.400	Remove Existing Flooring. Prep. Slab To Receive new Material	42	SF					
360	015.A.400	Remove Existing Lay-In Ceiling Assembly Including Suspension Wire And Wall Angles	42	SF					
361	015.A.400	Remove Existing Lighting And Duplex Receptacle	42	SF					
362	015.A.400	Protect Existing Fire Sprinkler System From Damage Dut To Construction Activity	42	SF					
363	015.A.400	Remove Existing Door And Frame	2	EA					
364	015.A.400	Remove Existing Wall base	32	FT					
		Subtotal (Existing Condition)							\$0
		BUILDING-16							
		TELECOM DEMO							
365	016.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	5	EA					
366	016.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	1	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-17							
		TELECOM DEMO							
367	017.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	39	EA					
368	017.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	6	EA					
		TELECOM DEMO							
369	017.TD.401	EXISTING 2 POST RACK WILL NEED TO BE UNBOLTED FROM FLOOR AND SHIFTED TO ALLOW FOR INSTALL OF NEW WALL MOUNTED RACK BEFORE EQUIPMENT AND TERMINATIONS ARE TRANSITIONED	1	EA					
		ELEC DEMO							
370	017.ED.100	Remove Existing Receptacles, Lighting, Switches, Low Voltage, ETC. And Wiring Devices	63	SF					
		Subtotal (Existing Condition)							\$0
		BUILDING-106							
		TELECOM DEMO							
371	106.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	62	EA					
372	106.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	5	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-112							
		TELECOM DEMO							
373	112.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	60	EA					
374	112.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	14	EA					
		TELECOM DEMO							
375	112.TD.101	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	17	EA					



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376	112.TD.101	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	7	EA					
		TELECOM DEMO							
377	112.TD.401	EXISTING WALL MOUNTED RACK TO BE DEMO AFTER NEW RACKS ARE COMPLETE & ACTIVE	1	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-116							
		DEMO							
378	116-A.400	Remove Existing Door & Frame	1	EA					
379	116-A.400	Remove Existing Walls	109	SF					
380	116-A.400	Remove Existing Flooring. Prep. Slab To Receive new Material	133	SF					
381	116-A.400	Remove Wall Base	60	FT					
382	116-A.400	Protect Existing Flooring Material To Remain From Damage Due To Construction Activity	76	SF					
383	116-A.400	Remove Light Fixture	134	SF					
384	116-A.400	Demolish Existing Lay In Ceiling Assembly Including Suspension Wires & Wall Angles	134	SF					
385	116-A.400	Existing Fire Sprinkler System To Remain Protect From Damage Due To Construction Activity	134	SF					
		MECHANICAL DEMO							
386	116-M.401	Remove Existing Grille & Capoff Duct Back	2	EA					
		ELECTRICAL DEMO							
387	116-ED.100	All Existing Receptacle Lighting Switches Low Voltage & Wiring To Be Removed	139	SF					
		TELECOM DEMO							
388	116.TD.100	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	237	EA					
389	116.TD.100	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	39	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-117							
		DEMO							
390	117.TD.113	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	252	EA					
391	117.TD.113	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	27	EA					
		DEMO							
392	117.TD.123	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	139	EA					
393	117.TD.123	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	20	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-118							
		DEMO							
394	120.TD.110	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	65	EA					
395	120.TD.110	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	15	EA					
		DEMO							
396	120.TD.120	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	103	EA					
397	120.TD.120	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	16	EA					
		Subtotal (Existing Condition)							\$0
		BUILDING-120							
		DEMO							
398	120.TD.110	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	65	EA					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
399	120.TD.110	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	15	EA					
		DEMO							
400	120.TD.120	TELECOMMUNICATONS OUTLETS ARE EXISTING TO BE DEMOLISHED. CONTRACTOR TO DEMOLISH EXISTING FACEPLATE, CABLING BACK TO SOURCE, ASSOCIATED PATCH PANEL & RACKS. EXISTING BACK BOX TO REMAIN AND BE USED FOR NEW CABLING	103	EA					
401	120.TD.120	CONTRACTOR TO DEMOLISH EXISTING CABLING BACK TO SOURCE WIRELESS ACCESS POINTS TO REMAIN	16	EA					
		Subtotal (Existing Condition)							\$0
		Total (Existing Condition)							\$0
DIVISION 03- CONCRETE									
		MCR							
		ISOLATED FOOTING							
402	MCR-S101	Isolated Footing Type F4.0 Size: 4'0"x4'0"x1'0" (8EA)	5	CY					
403	MCR-S101	Reinforcement: 5#5 Bar E.W Top & Bottom	334	LB					
404	MCR-S101	Formwork	128	SF					
405	MCR-S101	Excavation: 5'x5'x1'	7	CY					
406	MCR-S101	Backfill	3	CY					
		STRIP FOOTING							
407	MCR-S101	Cont Concrete Footing Type WF2.0 Size: 2'0"x1'0" (171FT)	13	CY					
408	MCR-S101	Reinforcement: 3#5 Cont Top & Bottom Bar	1070	LB					
409	MCR-S101	#5 @ 16" O.C Transverse Bar Top & Bottom	270	LB					
410	MCR-S101	Formwork 2'x Length	342	SF					
411	MCR-S101	Excavation: 3'x1'xLength	19	CY					
412	MCR-S101	Backfill	6	CY					
413	MCR-S101	Cont Concrete Footing Type WF3.0 Size: 3'0"x1'0" (258FT)	29	CY					
414	MCR-S101	Reinforcement: 4#5 Cont Top & Bottom Bar	2153	LB					
415	MCR-S101	#5 @ 16" O.C Transverse Bar Top & Bottom	610	LB					
416	MCR-S101	Formwork 2'x Length	516	SF					
417	MCR-S101	Excavation: 4'x1'xLength	38	CY					
418	MCR-S101	Backfill	10	CY					
		FOUNDATION WALL							
419	MCR-S101	8" Thick Foundation Wall High: 3' (700FT)	52	CY					
420	MCR-S101	Reinforcement: 3#5 Cont Bar	2190	LB					
421	MCR-S101	#5 @ 8" O.C Vertical Bar	4930	LB					
422	MCR-S101	Formwork	4200	SF					
423	MCR-S101	Excavation	207	CY					
424	MCR-S101	Backfill	156	CY					
425	MCR-S101	3" Thick Rigid Insulation B/W Foundation Wall	772	SF					
		CONCRETE TIE BEAM							
426	MCR-S101	Concrete Tie Beam TB-1 1'4"x7'-5/8" (382FT)	13	CY					
427	MCR-S101	Reinforcement: 2#5 Cont Top Bar	797	LB					
428	MCR-S101	2#5 Cont Bottom Bar	797	LB					
429	MCR-S101	#3 @ 12" O.C Stirrups	576	LB					
430	MCR-S101	Formwork	1272	SF					
431	MCR-S101	Concrete Tie Beam TB-2 1'1"x7'-5/8" (70FT)	2	CY					
432	MCR-S101	Reinforcement: 2#5 Cont Top Bar	146	LB					
433	MCR-S101	2#5 Cont Bottom Bar	146	LB					
434	MCR-S101	#3 @ 12" O.C Stirrups	576	LB					
435	MCR-S101	Formwork	1272	SF					
		CONCRETE SLAB							
436	MCR-S101	4" Thick Concrete Slab On Grade Reinforced With #3 Bars @ 18" O.C 15 MIL Vapor Barrier 4" Thick Crushed Stone Capillary Barrier & Compacted Sub Grade	3988	SF					
437	MCR-S101	Slab Turndown Area: 0.52 SF	0.28	CY					
438	MCR-S101	Reinforcement: #5 @ 12" O.C 2'6" Long	39	LB					
439	MCR-S101	#4x4' Long Re Entrant Bars @ 4" O.C	32	LB					
440	MCR-S101	6" Thick Concrete Pad With Reinforcement: #3 Bars E.W @ 8" O.C #3 Bars @ 12" O.C Around Perimeter	95	SF					
441	MCR-S101	Tooled Or Sawcut Joint	377	FT					
442	MCR-S101	1/2" Exp Joint Material	14	FT					
443	MCR-S101	1/2" Thick Exp Joint	529	FT					
		Subtotal (Concrete)							\$0
		BUILDING-106							
		CONCRETE							
444	106-S.100	Turndown Slab Area: 2.95SF	4	CY					
445	106-S.100	Reinforcement: 2#5 Cont Top & Bottom Bar	167	LB					
446	106-S.100	#3 @ 24" O.C Bar Length: 5'	39	LB					
447	106-S.100	Excavation	4	CY					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
448	106-S.100	4" Thick Concrete Slab With #3 @ 18" O.C Bar 15 MIL Vapor Barrier 4" Thick Crushed Stone	123	SF					
		Subtotal (Concrete)							\$0
		Total (Concrete)							\$0

DIVISION 04- MASONRY

		MCR							
		CMU							
1	MCR-S101	7-5/8" Thick CMU Wall With #5 @ 16" O.C & #5 At Last 2 Cells Each Ends 13'10"	1866	SF					
2	MCR-S101	7-5/8" Thick CMU Wall With #5 @ 16" O.C & #5 At Last 2 Cells Each Ends 14'0"	1450	SF					
3	MCR-S101	7-5/8" Thick CMU Wall With #5 @ 16" O.C & #5 At Last 2 Cells Each Ends 14'8"	1370	SF					
4	MCR-S101	7-5/8" Thick CMU Wall With #5 @ 16" O.C & #5 At Last 2 Cells Each Ends 15'4"	372	SF					
5	MCR-S101	7-5/8" Thick CMU Wall With #5 @ 16" O.C & #5 At Last 2 Cells Each Ends 16'0"	1546	SF					
6	MCR-S101	8"X8" Bond Beam With 1#5 Cont Bar	455	FT					
		Subtotal (Masonry)							\$0
		Total (Masonry)							\$0

DIVISION 05- METAL

		MCR							
		METAL COLUMN							
449	MCR-S101	HSS6X6X3/16 16'	928	LB					
450	MCR-S101	HSS6X6X3/16 14'	812	LB					
451	MCR-S101	W14x38 Beam	3390	LB					
452	MCR-S101	W12x26 Beam	575	LB					
453	MCR-S101	W12x30 Beam	670	LB					
454	MCR-S101	L3-1/2x3-1/2x1/4 Cont Angle	572	LB					
455	MCR-S101	L5x3x1/4 Cont Angle	925	LB					
456	MCR-S101	L4x3-1/2x1/4 x 1' Long @ 2' O.C With 2-1/2" Dia x 4" Long HSA @ 8" O.C	356	LB					
457	MCR-S101	L5x3x1/4 Cont Angle Type Joist BRG Seat	759	LB					
458	MCR-S101	L3x3x3/16 x 2' Long With 1/2" Dia Thrd Rod In Epoxy W/ Screen Insect In Concrete Filled Cell @ Bolt	118	LB					
459	MCR-S101	10K1	134	FT					
460	MCR-S101	20K5 Joist	61	FT					
461	MCR-S101	2.5K3 Joist	16	FT					
462	MCR-S101	12K1 Joist	193	FT					
463	MCR-S101	12K3 Joist	145	FT					
464	MCR-S101	24K4 Joist	425	FT					
465	MCR-S101	Joist Bridging	545	FT					
466	MCR-S101	1-1/2" 20GA Wide Rib Type B Galv Steel Roof Deck	2295	SF					
467	MCR-S101	1-1/2" Deep 16GA Wide Rib Type B Galv Steel Roof Deck	1166	SF					
468	MCR-S101	1/2"X8"x8" Embeded Plate With 4-1/2" Dia x 4" Long HSA Joist Seat Extension Type R	40	EA					
469	MCR-S101	1/2"X8"x8" Embeded Plate With 4-1/2" Dia x 4" Long HSA	16	EA					
470	MCR-S101	1"X12"x12" Base Plate With 4-3/4" Dia Anchor Bolt	8	EA					
471	MCR-S101	1/2"x7-5/8"x12" Embeded Plate With 4-5/8" Dia x 4" Long HSA	37	EA					
472	MCR-S101	1/4"X6"X6" Cap Plate	8	EA					
473	MCR-S101	1/4"X3-1/2"x9" Shear Plate Connection With 3-3/4" Dia A325 N Bolt	12	EA					
		Subtotal (Metal)							\$0
		Building 106							
		METAL							
474	106-S.100	55-S162-54 Stud End Post With Holdown. 1 5/8" Dia Heavy Duty Screw Anchor	240	FT					
475	106-S.100	1200S162-54 CFS Joist	100	FT					
476	106-S.100	1-1/2" Deep 20 GA Wide Rib Type B Galv Steel Roof Deck	123	SF					
477	106-S.100	9-1/4"x1-5/8" FLG -16 GA Stud	7	FT					
		Subtotal (Metal)							\$0
		Total (Metal)							\$0

DIVISION 06- WOOD

		BUILDING-01							
		SHEATHING							
478	001.A400	4'X8'X3/8" Fire Rated AC Grade Plywood, Vertically Being 6" Above Floor. (8' High)	256	SF					
		SHEATHING							



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ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
479	001.A410	4'X8'X3/8" Fire Rated AC Grade Plywood, Vertically Being 6" Above Floor. (8' High)	284	SF					
		Subtotal (Wood)							\$0
		BUILDING-02							
		SHEATHING							
1	002.A400	4'X8'X3/8" Fire Rated AC Grade Plywood, Vertically Being 6" Above Floor. (8' High)	326	SF					
		Subtotal (Wood)							\$0
		BUILDING-03							
		SHEATHING							
1	003.A410	4'X8'X3/4" Fire Rated AC Grade Plywood	347	SF					
		Subtotal (Wood)							\$0
		BUILDING-11							
		SHEATHING							
1	011.A.410	4'X8'X3/4" Fire Rated AC Grade Plywood	305	SF					
		Subtotal (Wood)							\$0
		BUILDING-12							
		SHEATHING							
1	012.A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	47	SF					
		Subtotal (Wood)							\$0
		BUILDING-13							
		SHEATHING							
1	013.A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	55	SF					
		Subtotal (Wood)							\$0
		BUILDING-15							
		SHEATHING							
1	015.A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	157	SF					
		Subtotal (Wood)							\$0
		BUILDING-16							
		SHEATHING							
1	016.A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	49	SF					
		Subtotal (Wood)							\$0
		Total (Wood)							\$0

DIVISION 07- THERMAL & MOISTURE PROTECTION

		MCR							
		ROOFING							
1	MCR-A103	Single Ply Roof Membrane	3454	SF					
2	MCR-A103	2" Thick Rigid Roof Insulation (3 LAYERS)	10362	SF					
3	MCR-A103	Vapor Control Layer	3454	SF					
4	MCR-A103	Hot Air Welded Membrane Flashing	20	SF					
5	MCR-A103	Taoered Insulation Sump	20	SF					
6	MCR-A103	3" Thick Rigid Wall Insulation 1'6"	716	SF					
7	MCR-A103	1/2" Plywood Sheathing 1'6"	359	SF					
8	MCR-A103	Single Ply Roof Membrane 3'	717	SF					
9	MCR-A103	Air & Moisture Barrier	477	SF					
10	MCR-A103	Precast Concrete Coping With Split Tail Anchor KERF Fill With Sealant	244	FT					
11	MCR-A103	Counter Flashing With Termination Bar With Cont Bead Of Sealant At Top	239	FT					
12	MCR-A103	Thru Wall Flashing With Integral Drip	250	FT					
		Subtotal (Thermal & Moisture Protection)							\$0
		BUILDING-106							
		CEILING INSULATION 106-A.400							
1	106-A.400	R-30 Batt Insulation	123	SF					
		Subtotal (Thermal & Moisture Protection)							\$0
		Total(Thermal & Moisture Protection)							\$0

DIVISION 08- OPENING

		MCR							
		DOORS							
480	MCR-A101	3'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
481	MCR-A101	3'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
482	MCR-A101	6'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
483	MCR-A101	3'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
484	MCR-A101	3'0"x7'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
485	MCR-A101	3'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
486	MCR-A101	6'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
487	MCR-A101	6'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
488	MCR-A101	6'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
489	MCR-A101	3'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
490	MCR-A101	3'0"x8'0"x1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
491	MCR-A101	8'0"x8'0" Hollow Metal Door	1	EA					
		DOOR HARDWARE							
492	AG040	Hardware Set 001	3	EA					
493	AG040	Hardware Set 002	2	EA					
494	AG040	Hardware Set 003	1	EA					
495	AG040	Hardware Set 004	3	EA					
496	AG040	Hardware Set 005	3	EA					
		Subtotal (Opening)							\$0
		BUILDING-01							
		DOORS							
497	001.A400	3'-0"x7'-0"x1-3/4" Thick Wood Door w/ HM Frame -45 Min. Fire Rating	1	EA					
498	001.A400	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
		Subtotal (Opening)							\$0
		BUILDING-02							
		DOOR							
499	002.A400	3'-0"x7'-0"x1-3/4" Thick Wood Door w/ HM Frame -45 Min. Fire Rating	1	EA					
500	002.A400	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
		DOOR							
501	002.A410	3'-0"x7'-0"x1-3/4" Thick Wood Door w/ HM Frame -45 Min. Fire Rating	1	EA					
502	002.A410	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
		Subtotal (Opening)							\$0
		BUILDING-03							
		DOOR							
503	003.A400	3'-0"x7'-0"x1-3/4" Thick Wood Door w/ HM Frame -45 Min. Fire Rating	1	EA					
504	003.A400	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
		DOOR							
505	003.A410	3'-0"x7'-0"x1-3/4" Thick Wood Door w/ HM Frame -45 Min. Fire Rating	1	EA					
506	003.A410	3'-0"x7'-0"x1-3/4" Thick Wood Door w/ HM Frame -45 Min. Fire Rating	1	EA					
507	003.A410	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	2	EA					
		Subtotal (Opening)							\$0
		BUILDING-04							
		DOOR							
508	AG040	3'0"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	2	EA					
509	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	2	EA					
		DOOR HARDWARE							
510	AG040	Hardware Set 005	1	EA					
511	AG040	Hardware Set 001	1	EA					



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		Subtotal (Opening)							\$0
		BUILDING-05							
		DOOR							
512	AG040	3'0"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	2	EA					
513	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	2	EA					
		DOOR HARDWARE							
514	AG040	Hardware Set 001	2	EA					
		Subtotal (Opening)							\$0
		BUILDING-06							
		DOOR							
515	AG040	3'0"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	4	EA					
516	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	4	EA					
		DOOR HARDWARE							
517	AG040	Hardware Set 001	3	EA					
518	AG040	Hardware Set 005	1	EA					
		Subtotal (Opening)							\$0
		BUILDING-07							
		DOOR							
519	AG040	3'0"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	3	EA					
520	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	3	EA					
		DOOR HARDWARE							
521	AG040	Hardware Set 001	3	EA					
		Subtotal (Opening)							\$0
		BUILDING-08							
		DOOR							
522	AG040	3'0"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	3	EA					
523	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	3	EA					
		DOOR HARDWARE							
524	AG040	Hardware Set 001	3	EA					
		Subtotal (Opening)							\$0
		BUILDING-09							
		DOOR							
525	AG040	3'0"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	3	EA					
526	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	3	EA					
		DOOR HARDWARE							
527	AG040	Hardware Set 001	3	EA					
		Subtotal (Opening)							\$0
		BUILDING-10							
		DOOR							
528	AG040	3'0"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	1	EA					
529	AG040	1'8"x7'0"x1-3/4" Solid Core Wood Door With Hollow Metal Frame	1	EA					
530	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	2	EA					



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		DOOR HARDWARE							
531	AG040	Hardware Set 001	1	EA					
532	AG040	Hardware Set 005	1	EA					
		Subtotal (Opening)							\$0
		BUILDING-11							
		DOOR							
533	011.A.410	3'-0"X7'-0"M Wood Door W/ HM Frame	1	EA					
534	011.A.410	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
535	011.A.410	Door Hardware Set 001	1	EA					
		DOOR							
536	011.A.420	3'-0"X7'-0"M Wood Door W/ HM Frame	1	EA					
537	011.A.420	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
538	011.A.420	Door Hardware Set 001	1	EA					
		Subtotal (Opening)							\$0
		BUILDING-15							
		DOOR							
539	015.A.400	3'-0"X7'-0"M Wood Door W/ HM Frame	1	EA					
540	015.A.400	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
		DOOR HARDWARE							
541	015.A.400	Door Hardware Set 001	1	EA					
		Subtotal (Opening)							\$0
		BUILDING-106							
		DOOR AG-040							
542	AG-040	3'0"X7'0"X1-3/4" Hollow Metal Door With Hollow Metal Frame	1	EA					
543	AG-040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
		DOOR HARDWARE AG040							
544	AG-040	Door Hardware Set 002	1	EA					
		Subtotal (Opening)							\$0
		BUILDING-116							
		DOOR							
545	AG040	3'0"X7'0"X1-3/4" Solid Core Wood Door With Hollow Metal Frame	1	EA					
546	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	1	EA					
		DOOR HARDWARE							
547	AG040	Door Hardware Set 001	1	EA					
		Subtotal (Opening)							\$0
		Total(Opening)							\$0

DIVISION 09- FINISHES

		MCR							
		WALLS							
		Wall Type F1 (65FT)							
548	MCR-A101	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	910	SF					
549	MCR-A101	1/2" Hat Channel @ 16" O.C	684	FT					
550	MCR-A101	Sealant	130	FT					
		Wall Type A4F (50FT)							
551		1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	1100	SF					
552		3-5/8" 18MIL Steel Stud @ 24" O.C	275	FT					
553		3-5/8" 18MIL Top & Bottom Track	100	FT					
554		3-1/2" Glass Fiber Friction Fit Insulation	550	SF					
555		Sealant	200	FT					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		Wall Type G4 (48FT)							
556		1 Layer Of 5/8" Thick Type X Gypsum Board One Side	672	SF					
557		4" Metal Stud @ 24" O.C	336	FT					
558		4" Metal Stud Top & Bottom Track	96	FT					
559		Sound Attenuation Blanket	672	SF					
560		Sealant	96	FT					
		FLOORING							
561	MCR-A101	Sealed Concrete CONC-1	1869	SF					
562	MCR-A101	Static Dissipative Tile SDT-1 MFR: Static Works Product: Ameriwork Rox Color: Spring Snow Size: 12"x12"	1362	SF					
		WALL BASE							
563	MCR-A101	Rubber Base RB-1 MFR: Tarkett Color: 63 Brunt Umber 6" With Toe	644	FT					
		WALL FINISH							
564	MCR-A102	Wall Protection WP1 5' MFR: Formica Product: Hardstop Wall Color: 5887h-58	164	SF					
		PAINT							
565	MCR-A102	Paint On Deck PT-1 MFR: Shewim Product: Promar 200ZER Color" White/Gloss	3194	SF					
566	MCR-A102	Wall Paint PT1 MFR: Shewim Product: Promar 200ZER Color" White/Gloss	8750	SF					
567	MCR-A102	WALL PAINT INPT-1 MFR: Sherwin Product: Fire Retardant Color: Extrame White	614	SF					
		DOOR PAINT							
568	AG040	Door Paint PT3 MFR: Sherwin Product: Promar 200 ZER Gloss Finish	12	EA					
		EXTERIOR FINISHING							
569	MCR-A200	4" Thick Brick Veneer With Anchor	4040	SF					
570	MCR-A200	3" Thick Rigid Insulation	4610	SF					
571	MCR-A200	Air & Moisture Barrie	4900	SF					
572	MCR-A200	L6x6x1/2 Loose Lintel Angle	417	LB					
573	MCR-A200	L4x4x1/4 Loose Lintel Angle	89	LB					
574	MCR-A200	Thru Wall Flashing With Integral Drip	21	FT					
575	MCR-A200	6" Thick Precast Concrete	490	FT					
576	MCR-A200	Cavity Drainage Mat Material	243	FT					
577	MCR-A200	Thru Wall Flashing With Integral Drip	243	FT					
578	MCR-A200	Sheet Metal Trim	15	FT					
579	MCR-A200	Sheet Metal Head Flashing With Hemmed Drip Edge & End Dams	15	FT					
580	MCR-A200	Cavity Drainage Mat Material	15	FT					
581	MCR-A200	Flashing With Drip Edge	5	FT					
		SOFFIT FRAMING							
582	MCR-S101	1/2" Thick Plywood	34	SF					
583	MCR-S101	1-3/8"x3-5/8" 16 GA Studs @ 16" O.C	26	FT					
584	MCR-S101	1-3/8"x3-5/8" 16GA Track @ Perimeter	41	FT					
		SOFFIT							
585	MCR-A102	Stucco Finish	43	SF					
		Subtotal (Finishes)							\$0
		BUILDING-01							
		WALL							
		WALL TYPE A4							
586	001.A400	(1) Layer Of 5/8" Type X Gypsum Board On EA Side	240	SF					



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587	001.A400	Sound Attenuation Batt	120	SF					
588	001.A400	3-5/8" Metal Stud @ 16" O.C.	60	FT					
589	001.A400	3-5/8" Metal Top And Bottom Track	24	FT					
590	001.A400	Sealant And Caulking	48	FT					
		WALL BASE							
591	001.A400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	44	FT					
		PAINT							
592	001.A400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	442	SF					
593	001.A400	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	119	SF					
		FINISH							
		WALL							
		WALL TYPE A4							
594	001.A410	(1) Layer Of 5/8" Type X Gypsum Board On EA Side	80	SF					
595	001.A410	Sound Attenuation Batt	40	SF					
596	001.A410	3-5/8" Metal Stud @ 16" O.C.	30	FT					
597	001.A410	3-5/8" Metal Top And Bottom Track	8	FT					
598	001.A410	Sealant And Caulking	16	FT					
		WALL TYPE A4							
599	001.A410	(1) Layer Of 5/8" Type X Gypsum Board On EA Side	54	SF					
600	001.A410	Sound Attenuation Batt	27	SF					
601	001.A410	3-5/8" Metal Stud @ 16" O.C.	20	FT					
602	001.A410	3-5/8" Metal Top And Bottom Track	6	FT					
603	001.A410	Sealant And Caulking	12	FT					
		WALL TYPE A4							
604	001.A410	(1) Layer Of 5/8" Type X Gypsum Board On One Side	20	SF					
605	001.A410	Sound Attenuation Batt	20	SF					
606	001.A410	3-5/8" Metal Stud @ 16" O.C.	15	FT					
607	001.A410	3-5/8" Metal Top And Bottom Track	4	FT					
608	001.A410	Sealant And Caulking	8	FT					
		FURRING WALL							
609	001.A410	(1) Layer Of 5/8" Type X Gypsum Board On One Side	30	SF					
610	001.A410	Hat Channel Furring @ 24" O.C.	23	FT					
611	001.A410	Sealant And Caulking	6	FT					
		PAINT							
612	001.A410	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	451	SF					
613	001.A410	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	231	SF					
		WALL BASE							
614	001.A410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	53	FT					
		FINISH							
		CEILING							
615	001.A440	Restore Ceilings To Original Condition, Replace, Cut-In And Repair As Required To Form Complete Installation Adjacent To New Construction	25	SF					
		Subtotal (Finishes)							
		BUILDING-02							
		WALL							
		WALL TYPE A4							
616	002.A400	(1) Layer Of 5/8" Type X Gypsum Board On EA Side	420	SF					
617	002.A400	Sound Attenuation Batt	210	SF					

\$0



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618	002.A400	3-5/8" Metal Stud @ 16" O.C.	158	FT					
619	002.A400	3-5/8" Metal Top And Bottom Track	42	FT					
620	002.A400	Sealant And Caulking	84	FT					
		WALL BASE							
621	002.A400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	38	FT					
		FLOORING							
622	002.A400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	103	SF					
		PAINT							
623	002.A400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	367	SF					
624	002.A400	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	122	SF					
		WALL							
		WALL TYPE A4							
625	002.A410	(1) Layer Of 5/8" Type X Gypsum Board On EA Side	60	SF					
626	002.A410	Sound Attenuation Batt	30	SF					
627	002.A410	3-5/8" Metal Stud @ 16" O.C.	23	FT					
628	002.A410	3-5/8" Metal Top And Bottom Track	6	FT					
629	002.A410	Sealant And Caulking	12	FT					
		PAINT							
630	002.A410	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	400	SF					
631	002.A410	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	130	SF					
		FLOORING							
632	002.A410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	122	SF					
		WALL BASE							
633	002.A410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	41	FT					
		Subtotal (Finishes)							\$0
		BUILDING-03							
		WALL							
		WALL TYPE A4							
634	003.A400	(1) Layer Of 5/8" Type X Gypsum Board On EA Side	380	SF					
635	003.A400	Sound Attenuation Batt	190	SF					
636	003.A400	3-5/8" Metal Stud @ 16" O.C.	143	FT					
637	003.A400	3-5/8" Metal Top And Bottom Track	38	FT					
638	003.A400	Sealant And Caulking	76	FT					
		FLOORING							
639	003.A400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	110	SF					
		WALL BASE							



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640	003.A400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	39	FT					
		PANIT							
641	003.A400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	388	SF					
642	003.A400	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	121	SF					
		WALL							
		WALL TYPE A4							
643	003.A410	(1) Layer Of 5/8" Type X Gypsum Board On EA Side	280	SF					
644	003.A410	Sound Attenuation Batt	140	SF					
645	003.A410	3-5/8" Metal Stud @ 16" O.C.	105	FT					
646	003.A410	3-5/8" Metal Top And Bottom Track	28	FT					
647	003.A410	Sealant And Caulking	56	FT					
		FLOORING							
648	003.A410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	160	SF					
		WALL BASE							
649	003.A410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	50	FT					
		PAINT							
650	003.A410	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	467	SF					
651	003.A410	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	167	SF					
		Subtotal (Finishes)							\$0
		BUILDING-04							
		WALLS							
		Wall Type A4 (Wall Infill)							
652	004-A.400	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	42	SF					
653	004-A.400	3-5/8" 18MIL Steel Stud @ 24" O.C	11	FT					
654	004-A.400	3-5/8" 18 MIL Top & Bottom Track	6	FT					
655	004-A.400	3-1/2" Glass Fiber Friction Insulation	21	SF					
656	004-A.400	Sealant	6	FT					
		WALL BASE							
657	004-A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	204	SF					
		FLOORING							
658	004-A.400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	31	FT					
		FLOORING							
659	004-A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	71	SF					
		PAINT							
660	004-A.400	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	206	SF					



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661	004-A.400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	316	SF					
662	004-A.400	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	71	SF					
		Subtotal (Finishes)							\$0
		BUILDING-05							
		WALL							
		Furring Wall							
663	005-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	15	FT					
664	005-A.410	3-5/8" 18 MIL Top & Bottom Track	6	FT					
665	005-A.410	3-1/2" Glass Fiber Friction Insulation	30	SF					
666	005-A.410	Sealnt	6	FT					
		Wall Type A4 (Wall Infill)							
667	005-A.410	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	30	SF					
668	005-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	15	FT					
669	005-A.410	3-5/8" 18 MIL Top & Bottom Track	6	FT					
670	005-A.410	3-1/2" Glass Fiber Friction Insulation	30	SF					
671	005-A.410	Sealant	12	FT					
672	005-A.410	4'X8'X3/4" Fire Rated AC Grade Plywood	295	SF					
		WALL							
		Furring Wall							
673	005-A.420	3-5/8" 18MIL Steel Stud @ 24" O.C	40	FT					
674	005-A.420	3-5/8" 18 MIL Top & Bottom Track	16	FT					
675	005-A.420	3-1/2" Glass Fiber Friction Insulation	80	SF					
676	005-A.420	Sealnt	16	FT					
		Wall Type A4 (Wall Infill)							
677	005-A.420	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	30	SF					
678	005-A.420	3-5/8" 18MIL Steel Stud @ 24" O.C	15	FT					
679	005-A.420	3-5/8" 18 MIL Top & Bottom Track	6	FT					
680	005-A.420	3-1/2" Glass Fiber Friction Insulation	30	SF					
681	005-A.420	Sealant	12	FT					
682	005-A.420	4'X8'X3/4" Fire Rated AC Grade Plywood	310	SF					
		FLOORING							
683	005-A.410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	132	SF					
		FLOORING							
684	005-A.420	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	155	SF					
		WALL BASE							
685	005-A.410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	46	FT					
		WALL BASE							
686	005-A.420	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	49	FT					
		PAINT							
687	005-A.410	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	133	SF					
		PAINT							



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688	005-A.411	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	187	SF					
689	005-A.411	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	400	SF					
		PAINT							
690	005-A.420	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	158	SF					
		PAINT							
691	005-A.421	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	280	SF					
692	005-A.421	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	501	SF					
		Subtotal (Finishes)							\$0
		BUILDING-06							
		WALL							
		Furring Wall							
693	006-A.400	3-5/8" 18MIL Steel Stud @ 24" O.C	35	FT					
694	006-A.400	3-5/8" 18 MIL Top & Bottom Track	14	FT					
695	006-A.400	3-1/2" Glass Fiber Friction Insulation	70	SF					
696	006-A.400	Sealnt	14	FT					
		Wall Type A4 (Wall Infill)							
697	006-A.400	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	130	SF					
698	006-A.400	3-5/8" 18MIL Steel Stud @ 24" O.C	65	FT					
699	006-A.400	3-5/8" 18 MIL Top & Bottom Track	26	FT					
700	006-A.400	3-1/2" Glass Fiber Friction Insulation	130	SF					
701	006-A.400	Sealant	26	FT					
702	006-A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	295	SF					
		WALL							
		Furring Wall							
703	006-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	30	FT					
704	006-A.410	3-5/8" 18 MIL Top & Bottom Track	12	FT					
705	006-A.410	3-1/2" Glass Fiber Friction Insulation	60	SF					
706	006-A.410	Sealnt	12	FT					
		Wall Type A4 (Wall Infill)							
707	006-A.410	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	130	SF					
708	006-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	65	FT					
709	006-A.410	3-5/8" 18 MIL Top & Bottom Track	26	FT					
710	006-A.410	3-1/2" Glass Fiber Friction Insulation	130	SF					
711	006-A.410	Sealant	26	FT					
712	006-A.410	4'X8'X3/4" Fire Rated AC Grade Plywood	292	SF					
		WALL							
		Furring Wall							
713	006-A.420	3-5/8" 18MIL Steel Stud @ 24" O.C	35	FT					
714	006-A.420	3-5/8" 18 MIL Top & Bottom Track	14	FT					
715	006-A.420	3-1/2" Glass Fiber Friction Insulation	70	SF					
716	006-A.420	Sealnt	14	FT					
		Wall Type A4 (Wall Infill)							
717	006-A.420	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	30	SF					
718	006-A.420	3-5/8" 18MIL Steel Stud @ 24" O.C	15	FT					
719	006-A.420	3-5/8" 18 MIL Top & Bottom Track	6	FT					
720	006-A.420	3-1/2" Glass Fiber Friction Insulation	30	SF					
721	006-A.420	Sealant	6	FT					
722	006-A.420	4'X8'X3/4" Fire Rated AC Grade Plywood	317	SF					
		FLOORING							



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723	006-A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	128	SF					
		FLOORING							
724	006-A.410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	125	SF					
		FLOORING							
725	006-A.420	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	162	SF					
		WALL BASE							
726	006-A.400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	44	FT					
		WALL BASE							
727	006-A.410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	60	FT					
		WALL BASE							
728	006-A.420	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	52	FT					
		PAINT							
729	006-A.400	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	128	SF					
		PAINT							
730	006-A.401	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	394	SF					
731	006-A.401	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	842	SF					
		PAINT							
732	006-A.410	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	125	SF					
		PAINT							
733	006-A.411	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	176	SF					
734	006-A.411	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	396	SF					
		PAINT							
735	006-A.420	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	163	SF					
		PAINT							



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736	006-A.421	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	299	SF					
737	006-A.421	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	507	SF					
		Subtotal (Finishes)							\$0
		BUILDING-07							
		WALLS							
		Wall Type A4							
738	007-A.400	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	240	SF					
739	007-A.400	3-5/8" 18MIL Steel Stud @ 24" O.C	60	FT					
740	007-A.400	3-5/8" 18 MIL Top & Bottom Track	24	FT					
741	007-A.400	3-1/2" Glass Fiber Friction Insulation	120	SF					
742	007-A.400	Sealant	48	FT					
743	007-A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	32	FT					
		WALLS							
		Wall Type A4							
744	007-A.410	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	120	SF					
745	007-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	60	FT					
746	007-A.410	3-5/8" 18 MIL Top & Bottom Track	24	FT					
747	007-A.410	3-1/2" Glass Fiber Friction Insulation	120	SF					
748	007-A.410	Sealant	24	FT					
		Wall Type A4							
749	007-A.410	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	240	SF					
750	007-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	60	FT					
751	007-A.410	3-5/8" 18 MIL Top & Bottom Track	24	FT					
752	007-A.410	3-1/2" Glass Fiber Friction Insulation	120	SF					
753	007-A.410	Sealant	48	FT					
754	007-A.410	4'X8'X3/4" Fire Rated AC Grade Plywood	263	SF					
		WALLS							
		Wall Type A4							
755	007-A.420	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	280	SF					
756	007-A.420	3-5/8" 18MIL Steel Stud @ 24" O.C	70	FT					
757	007-A.420	3-5/8" 18 MIL Top & Bottom Track	28	FT					
758	007-A.420	3-1/2" Glass Fiber Friction Insulation	140	SF					
759	007-A.420	Sealant	56	FT					
760	007-A.420	4'X8'X3/4" Fire Rated AC Grade Plywood	275	SF					
		FLOORING							
761	007-A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	155	SF					
		FLOORING							
762	007-A.410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	125	SF					
		FLOORING							
763	007-A.420	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	143	SF					
		WALLS BASE							
764	007-A.400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	57	FT					
		WALL BASE							
765	007-A.410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	43	FT					



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SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		WALL BASE							
766	007-A.420	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	57	FT					
		PAINT							
767	007-A.400	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	155	SF					
		PAINT							
768	007-A.401	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	245	SF					
769	007-A.401	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	411	SF					
		PAINT							
770	007-A.410	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	123	SF					
		PAINT							
771	007-A.411	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	220	SF					
772	007-A.411	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	357	SF					
		PAINT							
773	007-A.420	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	143	SF					
		PAINT							
774	007-A.421	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	263	SF					
775	007-A.421	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	448	SF					
		Subtotal (Finishes)							\$0
		BUILDING-08							
		WALLS							
		Wall Type A4							
776	007-A.400	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	240	SF					
777	007-A.400	3-5/8" 18MIL Steel Stud @ 24" O.C	60	FT					
778	007-A.400	3-5/8" 18 MIL Top & Bottom Track	24	FT					
779	007-A.400	3-1/2" Glass Fiber Friction Insulation	120	SF					
780	007-A.400	Sealant	48	FT					
781	007-A.400	4'X8'X3/4" Fire Rated AC Grade Plywood	32	FT					
		WALLS							
		Wall Type A4							
782	007-A.410	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	120	SF					
783	007-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	60	FT					
784	007-A.410	3-5/8" 18 MIL Top & Bottom Track	24	FT					
785	007-A.410	3-1/2" Glass Fiber Friction Insulation	120	SF					
786	007-A.410	Sealant	24	FT					
		Wall Type A4							
787	007-A.410	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	240	SF					
788	007-A.410	3-5/8" 18MIL Steel Stud @ 24" O.C	60	FT					



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789	007-A.410	3-5/8" 18 MIL Top & Bottom Track	24	FT					
790	007-A.410	3-1/2" Glass Fiber Friction Insulation	120	SF					
791	007-A.410	Sealant	48	FT					
792	007-A.410	4'X8'X3/4" Fire Rated AC Grade Plywood	263	SF					
		WALLS							
		Wall Type A4							
793	007-A.420	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	280	SF					
794	007-A.420	3-5/8" 18MIL Steel Stud @ 24" O.C	70	FT					
795	007-A.420	3-5/8" 18 MIL Top & Bottom Track	28	FT					
796	007-A.420	3-1/2" Glass Fiber Friction Insulation	140	SF					
797	007-A.420	Sealant	56	FT					
798	007-A.420	4'X8'X3/4" Fire Rated AC Grade Plywood	275	SF					
		FLOORING							
799	007-A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	155	SF					
		FLOORING							
800	007-A.410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	125	SF					
		FLOORING							
801	007-A.420	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	143	SF					
		WALLS BASE							
802	007-A.400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	57	FT					
		WALL BASE							
803	007-A.410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	43	FT					
		WALL BASE							
804	007-A.420	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	57	FT					
		PAINT							
805	007-A.400	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	155	SF					
		PAINT							
806	007-A.401	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	245	SF					
807	007-A.401	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	411	SF					
		PAINT							
808	007-A.410	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	123	SF					
		PAINT							



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ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
809	007-A.411	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	220	SF					
810	007-A.411	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	357	SF					
		PAINT							
811	007-A.420	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	143	SF					
		PAINT							
812	007-A.421	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	263	SF					
813	007-A.421	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	448	SF					
		Subtotal (Finishes)							\$0
		BUILDING-09							
		WALLS							
		Furring Wall							
814	008-A400	3-5/8" 18MIL Steel Stud @ 24" O.C	55	FT					
815	008-A400	3-5/8" 18 MIL Top & Bottom Track	22	FT					
816	008-A400	3-1/2" Glass Fiber Friction Insulation	110	SF					
817	008-A400	Sealnt	22	FT					
		Wall Type A4							
818	008-A400	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	100	SF					
819	008-A400	3-5/8" 18MIL Steel Stud @ 24" O.C	25	FT					
820	008-A400	3-5/8" 18 MIL Top & Bottom Track	10	FT					
821	008-A400	3-1/2" Glass Fiber Friction Insulation	50	SF					
822	008-A400	Sealant	20	FT					
823	008-A400	4'X8'X3/4" Fire Rated AC Grade Plywood	209	SF					
		WALLS							
		Wall Type A4							
824	008-A410	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	140	SF					
825	008-A410	3-5/8" 18MIL Steel Stud @ 24" O.C	35	FT					
826	008-A410	3-5/8" 18 MIL Top & Bottom Track	14	FT					
827	008-A410	3-1/2" Glass Fiber Friction Insulation	70	SF					
828	008-A410	Sealant	28	FT					
		Wall Type A4							
829	008-A410	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	50	SF					
830	008-A410	3-5/8" 18MIL Steel Stud @ 24" O.C	25	FT					
831	008-A410	3-5/8" 18 MIL Top & Bottom Track	10	FT					
832	008-A410	3-1/2" Glass Fiber Friction Insulation	50	SF					
833	008-A410	Sealant	10	FT					
834	008-A410	4'X8'X3/4" Fire Rated AC Grade Plywood	274	SF					
		WALLS							
		Wall Type A4							
835	008-A420	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	280	SF					
836	008-A420	3-5/8" 18MIL Steel Stud @ 24" O.C	70	FT					
837	008-A420	3-5/8" 18 MIL Top & Bottom Track	28	FT					
838	008-A420	3-1/2" Glass Fiber Friction Insulation	140	SF					
839	008-A420	Sealant	56	FT					
		Wall Type A4							
840	008-A420	1 Layer Of 5/8" Thick Type X Gypsum Board One Side	20	SF					
841	008-A420	3-5/8" 18MIL Steel Stud @ 24" O.C	10	FT					
842	008-A420	3-5/8" 18 MIL Top & Bottom Track	4	FT					
843	008-A420	3-1/2" Glass Fiber Friction Insulation	20	SF					
844	008-A420	Sealant	4	FT					
845	008-A420	4'X8'X3/4" Fire Rated AC Grade Plywood	252	SF					
		FLOORING							



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SCOPE:

ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
846	008-A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	97	SF					
		FLOORING							
847	008-A.410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	144	SF					
		FLOORING							
848	008-A.420	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	127	SF					
		WALL BASE							
849	008-A.400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	51	FT					
		WALL BASE							
850	008-A.410	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	57	FT					
		WALL BASE							
851	008-A.420	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	58	FT					
		PAINT							
852	008-A.400	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	98	SF					
		PAINT							
853	008-A.401	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	207	SF					
854	008-A.401	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	328	SF					
		PAINT							
855	008-A.410	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	142	SF					
		PAINT							
856	008-A.411	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	228	SF					
857	008-A.411	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	398	SF					
		PAINT							
858	008-A.420	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	127	SF					
		PAINT							

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
859	008-A.421	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	277	SF					
860	008-A.421	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	424	SF					
		Subtotal (Finishes)							\$0
		BUILDING-10							
		WALLS							
		Wall Type A4							
861	010-A.420	1 Layer Of 5/8" Thick Type X Gypsum Board Both Sides	40	SF					
862	010-A.420	3-5/8" 18MIL Steel Stud @ 24" O.C	10	FT					
863	010-A.420	3-5/8" 18 MIL Top & Bottom Track	4	FT					
864	010-A.420	3-1/2" Glass Fiber Friction Insulation	20	SF					
865	010-A.420	Sealant	8	FT					
866	010-A.420	4'X8'X3/4" Fire Rated AC Grade Plywood	282	SF					
		FLOORING							
867	010-A.420	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	134	SF					
		WALL BASE							
868	010-A.420	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	44	FT					
		PAINT							
869	010-A.420	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	136	SF					
		PAINT							
870	010-A.421	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	106	SF					
871	010-A.421	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	484	SF					
		Subtotal (Finishes)							\$0
		BUILDING-11							
		FLOORING							
872	011.A.410	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	156	SF					
		WALL BASE							
873	011.A.410	6" Vinyl Wall Base	50	FT					
		PAINT							
874	011.A.410	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	175	SF					
875	011.A.410	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	457	SF					
		WALL							
876	011.A.410	1 Layer Of 5/8" Type X Gypsum Board On EA. Side	45	SF					
877	011.A.410	3-5/8", 18 MIL Metal Stud @ 24" O.C.	10	FT					
878	011.A.410	3-5/8" Top And Bottom Track	4	FT					
879	011.A.410	3-1/2" Thick Sound Attenuation Batt (Sab) Insulation	20	SF					
880	011.A.410	Sealant And Caulking	8	FT					



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ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		WALL							
881	011.A.420	1 Layer Of 5/8" Type X Gypsum Board On EA. Side	420	SF					
882	011.A.420	3-5/8", 18 MIL Metal Stud @ 24" O.C.	105	FT					
883	011.A.420	3-5/8" Top And Bottom Track	42	FT					
884	011.A.420	3-1/2" Thick Sound Attenuation Batt (Sab) Insulation	210	SF					
885	011.A.420	Sealant And Caulking	84	FT					
		WALL BASE							
886	011.A.420	6" Vinyl Wall Base	38	FT					
		PAINT							
887	011.A.420	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	367	SF					
888	011.A.420	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	123	SF					
		Subtotal (Finishes)							\$0
		BUILDING-12							
		PAINT							
889	012.A.400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	70	FT					
		EXTERIOR FINISHING							
		Subtotal (Finishes)							\$0
		BUILDING-13							
		PAINT							
890	013.A.400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	82	SF					
		Subtotal (Finishes)							\$0
		BUILDING-15							
		WALL							
891	015.A.400	1 Layer Of 5/8" Type X Gypsum Board On EA. Side	60	SF					
892	015.A.400	3-5/8", 18 MIL Metal Stud @ 24" O.C.	15	FT					
893	015.A.400	3-5/8" Top And Bottom Track	6	FT					
894	015.A.400	3-1/2" Thick Sound Attenuation Batt (Sab) Insulation	30	SF					
895	015.A.400	Sealant And Caulking	12	FT					
		WALL BASE							
896	015.A.400	6" Vinyl Wall Base	25	FT					
		FLOORING							
897	015.A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	43	SF					
		PAINT							
898	015.A.400	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	103	SF					
899	015.A.400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	233	SF					
		Subtotal (Finishes)							\$0
		BUILDING-16							
		PAINT							
900	015.A.400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	73	SF					
		Subtotal (Finishes)							\$0
		BUILDING-17							
		FLOORING							



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901	017-A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	62	SF					
		Subtotal (Finishes)							\$0
		BUILDING-106							
		WALLS							
		Exterior Wall							
902	106-A.400	1 Layer Of 5/8" Thick Exterior Grade Sheathing	212	SF					
903	106-A.400	550S162-54 Steel Stud @ 16" O.C	158	FT					
904	106-A.400	550T162-54 Steel Stud Top & Bottom Track	42	FT					
905	106-A.400	R-19 Batt Insulation	210	SF					
906	106-A.400	Sealant	42	FT					
		Exterior Wall							
907	106-A.400	1 Layer Of 5/8" Thick Gypsum Board	110	SF					
908	106-A.400	550S162-54 Steel Stud @ 16" O.C	55	FT					
909	106-A.400	550T162-54 Steel Stud Top & Bottom Track	22	FT					
910	106-A.400	1 Layer Of 5/8" Thick Exterior Grade Sheathing	110	SF					
911	106-A.400	R-19 Batt Insulation	110	SF					
912	106-A.400	Sealant	22	FT					
		Furring Wall							
913	106-A.400	550S162-54 Steel Stud @ 16" O.C	50	FT					
914	106-A.400	550T162-54 Steel Stud Top & Bottom Track	20	FT					
915	106-A.400	R-19 Batt Insulation	100	SF					
916	106-A.400	4'x8'x3/4" Fire Rated AC Grade Plywood Sheathing	237	SF					
		FLOORING							
917	106-A.400	Static Dissipative Tile Flooring SDT1 MFR: Static Works Color: Spring Snow Size: 12"X12"	98	SF					
		WALL BASE							
918	106-A.400	Rubber Wall Base RB1 MFR: TARKETT Color: 63 Burnt Umber 6" With Toe	37	FT					
		PAINT							
919	106-A.400	Paint On Deck PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	97	SF					
		PAINT							
920	106-A.401	Wall Paint PT1 MFR: Sherwin Product: Promar 200 ZER Color: White Gloss	387	SF					
921	106-A.401	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	310	SF					
		Subtotal (Finishes)							\$0
		BUILDING-112							
		WALLS							
922	112-A.400	4'x8'x3/4" Fire Rated AC Grade Plywood Sheathing	496	SF					
		PAINT							
923	112-A.400	Plywood Wall Paint INPT1 MFR: Sherwin Product : Fire Retardant Color: Extreme White	862	SF					
		DEMO							
924	146-A.400	Remove Existing Light Fixture	1	EA					
		WALLS							
925	146-A.400	4'x8'x3/4" Fire Rated AC Grade Plywood Sheathing	138	SF					
		PAINT							



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ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		FIRE EXTINGUISHER							
948	001.A440	Semirecessed Clean Agent Fire Extinguisher Cabinet.	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-02							
		FIRE EXTINGUISHER							
949	002.A400	Semirecessed Clean Agent Fire Extinguisher Cabinet.	1	EA					
		FIRE EXTINGUISHER							
950	002.A410	Semirecessed Clean Agent Fire Extinguisher Cabinet.	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-03							
		FIRE EXTINGUISHER							
951	003.A400	Semirecessed Clean Agent Fire Extinguisher Cabinet.	1	EA					
		FIRE EXTINGUISHER							
952	003.A410	Semirecessed Clean Agent Fire Extinguisher Cabinet.	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-04							
		FIRE SUPPRESSION							
953	004-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-05							
		FIRE SUPPRESSION							
954	005-A.410	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-06							
		FIRE SUPPRESSION							
955	006-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
956	006-A.410	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
957	006-A.420	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-07							
		FIRE SUPPRESSION							
958	007-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
959	007-A.410	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
960	007-A.420	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-08							
		FIRE SUPPRESSION							
961	007-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
962	007-A.410	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
963	007-A.420	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-09							
		FIRE SUPPRESSION							
964	008-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
965	008-A.410	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		FIRE SUPPRESSION							
966	008-A.420	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialities)							\$0
		BUILDING-11							
		FIRE EXTINGUISHER							
967	011.A.410	Semi-Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					



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SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		Subtotal (Specialties)							\$0
		BUILDING-17							
		FIRE EXTINGUISHER							
968	017-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinets	1	EA					
		Subtotal (Specialties)							\$0
		BUILDING-106							
		FIRE SUPPRESSION							
969	106-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialties)							\$0
		BUILDING-116							
		FIRE SUPPRESSION							
970	116-A.400	Semi Recessed Clean Agent Fire Extinguisher Cabinet	1	EA					
		Subtotal (Specialties)							\$0
		Total (Specialties)							\$0

DIVISION 21- FIRE SUPPRESSION

MCR

DIVISION 21- FIRE SUPPRESSION

		FIRE SUPPRESSION							
971	MCR-FP003	Fire Department Connection 4"x2-1/2"X2-1/2" Straight Single Clapper Two Way Inlets With Two 2-1/2" Plug & Chain	1	EA					
972	MCR-FP003	Fire Hydrant 106 Residual Test Hydrant	1	EA					
		FIRE PROTECTION SPRINKLER SYSTEM							
973	MCR-FP103	Light Hazard Wet System Density GPM/SF 0.10 Remote Area: 1500SF	506	SF					
974	MCR-FP103	Ordinary Hazard Wet System Density GPM/SF 0.15 Remote Area: 1500SF	2328	SF					
975	MCR-FP103	Ordinary Hazard Wet System Density GPM/SF 0.20 Remote Area: 1500SF	396	SF					
976	MCR-FP103	6" Double Check Backflow Assembly With Control Valve	1	EA					
977	MCR-FP103	6" Dia Fire Pipe Connection & 4" Dia Fire Pipe Riser	1	EA					
		CLEAN AGENT							
978	MCR-FP106	Clean Agent Panel & Power Supply	1	EA					
979	MCR-FP106	Clean Agent System Abort Switch	2	EA					
980	MCR-FP106	Clean Agent System Manual Pull Station	2	EA					
981	MCR-FP106	Clean Agent System Discharge Red Strobe	2	EA					
982	MCR-FP106	Clean Agent System Pre Discharge Amber Strobe	2	EA					
983	MCR-FP106	Surge Suppression Device	1	EA					
984	MCR-FP106	Pressure Switch	1	EA					
985	MCR-FP106	Addressable Input Module	5	EA					
986	MCR-FP106	Solenoid Valve	1	EA					
		Subtotal (Fire Suppression)							\$0
		Total (Fire Suppression)							\$0

DIVISION 22- PLUMBING

MCR

PLUMBING FIXTURE

987	MCR-M201	4" Dia FD-S MFR: MIFAB MODEL: FS-1930FL-7-150-C FLOOR SINK SHALL COMPLY WITH ASME A112.6.3. THE TYPE S FLOOR SINK SHALL BE CONSTRUCTED FROM TYPE 304 STAINLESS STEEL AND SHALL BE 300 MM (12 INCHES) SQUARE, AND 200 MM (8 INCHES DEEP). THE INTERIOR SURFACE SHALL BE POLISHED. THE DOUBLE DRAINAGE FLANGE SHALL BE PROVIDED WITH WEEP HOLES, INTERNAL DOME STRAINER, AND HEAVY DUTY NON-TILTING LOOSE SET GRATE. A CLAMPING DEVICE SHALL BE PROVIDED	4	EA					
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ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
988	MCR-M201	Service Sink MFR: FIAT MODEL: TSBCR1100 SERVICE SINK (CORNER, FLOOR MOUNTED) STAIN RESISTANT TERRAZZO, (28 INCHES BY 28 INCHES BY 12 INCHES) (6 INCHES) DROP FRONT. TERRAZZO, COMPOSED OF MARBLE CHIPS AND WHITE PORTLAND CEMENT, WILL DEVELOP COMPRESSIVE STRENGTH (3000 PSIG) SOLID BRASS CONSTRUCTION, (2.5 GPM) COMBINATION FAUCET WITH REPLACEABLE MONEL SEAT, REMOVABLE REPLACEMENT PARTS SUBJECT TO WEAR, INTEGRAL CHECK/STOPS, MOUNTED ON WALL ABOVE SINK. SPOUT WILL HAVE A PAIL HOOK, 19 MM (3/4 INCH) HOSE COUPLING THREADS, VACUUM BREAKER, AND TOP OR BOTTOM BRACE TO WALL.	1	EA					
989	MCR-M201	Wall Hydrant MFR: WOODFORD MODEL: 65 (CH) CHROME WALL HYDRANT: CAST BRONZE NON-FREEZE HYDRANT WITH DETACHABLE T-HANDLE. BRASS VALVE WITH COUPLING AND UNION ELBOW HAVING METAL-TO-METAL SEAT. VALVE ROD AND SEAT WASHER REMOVABLE THROUGH FACE OF HYDRANT; (3/4 INCH) HOSE THREAD ON SPOUT; 19 MM (3/4 INCH) PIPE THREAD ON INLET. FINISH MAY BE ROUGH; EXPOSED SURFACES WILL BE CHROME PLATED. PROVIDE INTEGRAL VACUUM BREAKER.	1	EA					
990	MCR-M201	Trap Primer MFR: PPP PRECISION MODEL: PT-4 OR PT-6 CONTROLLER SHALL HAVE A 24 HOUR PROGRAMMABLE TIMER, SOLID STATE, 12 HOUR PROGRAM BATTERY BACKUP, MANUAL SWITCH 120VAC POWER, 120VAC TO 24VAC INTERNAL TRANSFORMER, FUSE PROTECTED CIRCUITRY, UL LISTED,120VACNPUT-24VAC OUTPUT. STANLESS STEEL ACCESS DOOR.	3	EA					
991	MCR-M201	Electric Water Heater MFR: AO SMITH MODEL: DEL-15 Gal 15	1	EA					
992	MCR-M201	1" Dia Reduced Pressure Backflow Preventer	1	EA					
993	MCR-M201	Roof Drain 1 MFR: ZURN MODEL: ZC-100-C-R-EA PRIMARY THE ROOF DRAIN SHALL HAVE A BEEHIVE OR DOME SHAPED STRAINER WITH INTEGRAL FLANGE NOT LESS THAN 300 MM (12 INCHES) IN DIAMETER. FOR AN INSULATED ROOF, A ROOF DRAIN WITH AN ADJUSTABLE DRAINAGE COLLAR SHALL BE PROVIDED, WHICH CAN BE RAISED OR LOWERED TO MEET REQUIRED INSULATION HEIGHTS, SUMP RECEIVER AND DECK CLAMP. THE BOTTOM SECTION SHALL SERVE AS ROOF DRAIN DURING CONSTRUCTION BEFORE INSULATION IS INSTALLED	2	EA					
994	MCR-M201	Roof Drain 2 MFR: ZURN MODEL: ZC-100-C-R-EA-W3 SECONDARY THE ROOF DRAIN SHALL HAVE A BEEHIVE OR DOME SHAPED STRAINER WITH INTEGRAL FLANGE NOT LESS THAN 300 MM (12 INCHES) IN DIAMETER. FOR AN INSULATED ROOF, A ROOF DRAIN WITH AN ADJUSTABLE DRAINAGE COLLAR SHALL BE PROVIDED, WHICH CAN BE RAISED OR LOWERED TO MEET REQUIRED INSULATION HEIGHTS, SUMP RECEIVER AND DECK CLAMP. THE BOTTOM SECTION SHALL SERVE AS ROOF DRAIN DURING CONSTRUCTION BEFORE INSULATION IS INSTALLED.	2	EA					
995	MCR-M201	4" Dia Floor Cleanout	3	EA					
996	MCR-M201	6" Dia Cleanout	1	EA					
		SANITARY PIPE LINE							
997	MCR-M201	4" Dia Sanitary Pipe Line	201	FT					
998	MCR-M201	3" Dia Sanitary Pipe Line	11	FT					
		VENT PIPE LINE							
999	MCR-M201	3" Dia Vent Pipe Line	74	FT					
1000	MCR-M201	2" Dia Vent Pipe Line	53	FT					
1001	MCR-M201	1-1/2" Dia Vent Pipe Line	17	FT					
1002	MCR-M201	4" Dia Vent Pipe Line	7	FT					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		STORM DRAIN PIPE LINE							
1003	MCR-M201	6" Dia Rood Drain Pipe Line	96	FT					
1004	MCR-M201	6" Dia Overflow Pipe Line	49	FT					
		DOMESTIC PIPE LINE							
1005	MCR-M201	1" Dia Cold Water Pipe Line	146	FT					
1006	MCR-M201	1/2" Dia Cold Water Pipe Line	134	FT					
1007	MCR-M201	3/4" Dia Cold Water Pipe Line	47	FT					
1008	MCR-M201	3/4" Dia Hot Water Pipe Line	23	FT					
		ROUGH FIXTURE							
1009	MCR-M201	3/4" Dia Shutoff Valve	4	EA					
1010	MCR-M201	1/2" Dia Shutoff Valve	10	EA					
1011	MCR-M201	1" dia Shutoff Valve	2	EA					
1012	MCR-M201	4" Dia Vent Through Roof	1	EA					
1013	MCR-M201	3" Dia Vent Through Roof	1	EA					
1014	MCR-M201	Moisture Sensor For Drip Pan And Connect Sensor To Bas	4	EA					
1015	MCR-M201	Hold-Rite Water Heater Wall Mounted Stand 40-Swhp-W-C. Install Electric Water Heater Above Mop Basin. Route Relief Discharge Line To Nearest Floor Drain Or Mop Basin	1	EA					
		Subtotal (Plumbing)							\$0
		Total (Plumbing)							\$0

DIVISION 23- HVAC

		MCR							
		DUCT							
1016	MCR-M101	8" Dia Duct	6	FT					
1017	MCR-M101	10" Dia Duct	89	FT					
1018	MCR-M101	12" Dia Duct	11	FT					
1019	MCR-M101	8"x4" Duct	11	FT					
1020	MCR-M101	12"x10" Duct	51	FT					
1021	MCR-M101	14"x10" Duct	17	FT					
1022	MCR-M101	14"x14" Duct	15	FT					
1023	MCR-M101	16"x8" Duct	101	FT					
1024	MCR-M101	16"x16" Duct	2	FT					
1025	MCR-M101	16"x22" Duct	14	FT					
	MCR-M101	18"X12" Duct	0	EA					
1026	MCR-M101	18"x12" Duct	8	FT					
1027	MCR-M101	20"x14" Duct	36	FT					
1028	MCR-M101	36"x30" Duct	72	FT					
1029	MCR-M101	72"x30" COMMON CRAC RETURN DUCT	32	FT					
		AIR DEVICES							
1030	MCR-M101	16"x8" Transfer Grille	2	EA					
1031	MCR-M101	24"X24" RELIEF LOUVER	1	EA					
1032	MCR-M101	24"X24"INTAKE LOUVER	1	EA					
1033	MCR-M101	Sidewall Diffuser MFR: PRICE MODEL: 520L CFM 100	2	EA					
1034	MCR-M101	Sidewall Diffuser MFR: PRICE MODEL: 520L CFM 125	3	EA					
1035	MCR-M101	Sidewall Diffuser MFR: PRICE MODEL: 520L CFM 150	1	EA					
1036	MCR-M101	Sidewall Diffuser MFR: PRICE MODEL: 520L CFM 175	1	EA					
1037	MCR-M101	Sidewall Diffuser MFR: PRICE MODEL: 520L CFM 200	3	EA					
1038	MCR-M101	Sidewall Diffuser MFR: PRICE MODEL: 520L CFM 225	2	EA					
1039	MCR-M101	Sidewall Diffuser MFR: PRICE MODEL: 520L CFM 400	4	EA					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
1040	MCR-M101	Exhaust Sidewall Grille MFR: PRICE MODEL: 630 CFM 150	1	EA					
1041	MCR-M101	Exhaust Sidewall Grille MFR: PRICE MODEL: 630 CFM 400	1	EA					
1042	MCR-M101	Exhaust Sidewall Grille MFR: PRICE MODEL: 630 CFM 575	2	EA					
1043	MCR-M101	Exhaust Sidewall Grille MFR: PRICE MODEL: 630 CFM 1600	1	EA					
1044	MCR-M101	Return Grille MFR: PRICE MODEL: 80TB CFM 250	1	EA					
		MECHANICAL EQUIPMENTS							
1045	MCR-M102	MCR CRAC-1 Unit Air Cooled Type MFR: LIEBERT 30 Tons MODEL: DS105A	1	EA					
1046	MCR-M102	MCR CRAC-2 Unit Air Cooled Type MFR: LIEBERT 30 Tons MODEL: DS105A	1	EA					
1047	MCR-M102	Outdoor CU-CRAC-1 Unit MFR: LIEBERT MODEL: MCL110	1	EA					
1048	MCR-M102	Outdoor CU-CRAC-2 Unit MFR: LIEBERT MODEL: MCL110	1	EA					
1049	MCR-M102	Energy Recovery Ventilator Unit MFR: RENEWAIRE MODEL: EV450IN CFM 250	1	EA					
1050	MCR-M102	Split System Heat Pump AC1 MFR: TRANE MODEL: TAM9A0B30V31DB CFM 975	1	EA					
1051	MCR-M102	Split System Heat Pump AC2 MFR: TRANE MODEL: TAM9A0B30V31DB CFM 975	1	EA					
1052	MCR-M102	Split System Heat Pump AC3 MFR: TRANE MODEL: TAM9A0C48V41DB CFM 1600	1	EA					
1053	MCR-M102	Split System Heat Pump AC4 MFR: LIEBERT MODEL: DME027E CFM 2200 Ton 2	1	EA					
1054	MCR-M102	Split System Heat Pump AC5 MFR: LIEBERT MODEL: DME027E CFM 2200 Ton 2	1	EA					
1055	MCR-M102	Split System Heat Pump AC6 MFR: LIEBERT MODEL: DME027E CFM 2200 Ton 2	1	EA					
1056	MCR-M102	Split System Heat Pump AC7 MFR: LIEBERT MODEL: DME027E CFM 2200 Ton 2	1	EA					
1057	MCR-M102	Outdoor CU1 Unit CU1 MODEL: 4TWR6036N1000A Compressor Type SCROLL Stages: 2 Tons 3	1	EA					



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1058	MCR-M102	Outdoor CU1 Unit CU2 MODEL: 4TWR6036N1000A Compressor Type SCROLL Stages: 2 Tons 3	1	EA					
1059	MCR-M102	Outdoor CU1 Unit CU3 MODEL: 4TWR6048N1000A Compressor Type SCROLL Stages: 2 Tons 3	1	EA					
1060	MCR-M102	Outdoor Unit CU4 MFR: LIEBERT MODEL: PFH027A Ton 2 CFM 2200	1	EA					
1061	MCR-M102	Outdoor Unit CU5 MFR: LIEBERT MODEL: PFH027A Ton 2 CFM 2200	1	EA					
1062	MCR-M102	Outdoor Unit CU6 MFR: LIEBERT MODEL: PFH027A Ton 2 CFM 2200	1	EA					
1063	MCR-M102	Outdoor Unit CU7 MFR: LIEBERT MODEL: PFH027A Ton 2 CFM 2200	1	EA					
		PUMPED CONDENSATE PIPE LINE							
1064	MCR-M101	3/4" Dia PCD Pipe Line	254	FT					
		REFRIGERANT PIPE LINE							
1065	MCR-M101	Refrigerant Pipe Line	1246	FT					
		ROUGH ITEMS							
1066	MCR-M101	Thermostat	7	EA					
1067	MCR-M101	Fire Damper	7	EA					
1068	MCR-M101	Insulated Plenum & Backdraft Damper @ 10"	2	EA					
1069	MCR-M101	Mount Refrigerant Detector 12" Above Finished Floor. Provide 120V Ckt For Detector	5	EA					
1070	MCR-M101	Humidity Sensor	3	EA					
		Subtotal (HVAC)							\$0
		BUILDING-01							
		HVAC							
1071	001.M.401	1/2" Condensate Drain	43	FT					
1072	001.M.401	Refrigerant Pipes	175	FT					
1073	001.M.401	Thermostate	2	EA					
1074	001.M.401	Humidity Detector	2	EA					
1075	001.M.401	TR A/C Unit -Basis Of Design Manufacturer: Liebert -Unit Style: Datamate -Nominal Tons: 3 -Model: DME037E	2	EA					
1076	001.M.401	TR A/C Unit Outdoor Unit -Manufacturer: Liebert -Nominal Tons: 3 -Model: DME037A	2	EA					
		HVAC							
1077	001.M.100	1/2" CW Pipe	176	FT					
1078	001.M.100	1/2" Watts LF009 Reduced Pressure Backflow Preventer	1	EA					
1079	001.M.100	MIFAB Floor Drain For RBPB. Floor Drain w/ Heavy Duty Stainless Steel Strainer w/ Trap Primer Connection. (MIFAB F1000)	1	EA					
1080	001.M.100	Moisture Sensor For Drip Pan And Connect Sensor To Bas System.	1	EA					
1081	001.M.100	Provide Drip Pan In Ceiling Of TR Spaces	1	EA					
1082	001.M.100	1/2" Ball Valve	3	EA					
		HVAC							
1083	001.M.101	Provide Drip Pan In Ceiling Of TR Spaces	2	EA					
1084	001.M.101	Moisture Sensor For Drip Pan And Connect Sensor To Bas System.	2	EA					
1085	001.M.101	1/2" Cold Water Pipe	94	FT					



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1086	001.M.101	1/2" Ball Valve	2	EA					
		HVAC							
1087	001.M.402	1/2" Refrigerant Pipe	75	FT					
1088	001.M.402	Concrete Pad	84	SF					
1089	001.M.402	36X16 Supply Air Duct	27	FT					
1090	001.M.402	24X12 Price HCD High Capacity Drum Louver (860 CFM)	5	EA					
1091	001.M.402	TR A/C Unit -MFR: Liebert -Nominal Tons: 8 Ton -Series: PDX -Model: PX029 -Type: Air Cooled DX -Service: Telephone 129C -Operating Weight (Lbs): 700	2	EA					
1092	001.M.402	Condenser (Outdoor) -MFR: Liebert -Model: MCL055	2	EA					
		Subtotal (HVAC)							\$0
		BUILDING-02							
		HVAC							
1093	002.M.100	1/2" Cold Water Pipe	83	FT					
1094	002.M.100	1/2" Ball Valve	3	EA					
		HVAC 0							
1095	02.M.101	Moisture Sensor For Drip Pan And Connect Sensor To Bas System.	1	EA					
1096	02.M.101	Provide Drip Pan In Ceiling Of TR Spaces	1	EA					
		HVAC							
1097	002.M.401	3/4" Pumped Condensate Drain	85	FT					
1098	002.M.401	TR A/C Unit -MFR: Liebert -Nominal Tons: 2 Ton -Model: DME027E	2	EA					
1099	002.M.401	TR A/C Unit Out -MFR: Liebert -Nominal Tons: 2 Ton -Model: PFH027A	2	EA					
1100	002.M.401	Humidity Sensor	1	EA					
1101	002.M.401	Thermostate	1	EA					
		Subtotal (HVAC)							\$0
		BUILDING-03							
		HVAC							
1102	003.M.100	1/2" Watts LF009 Reduced Pressure Backflow Preventer	1	EA					
1103	003.M.100	1/2" Cold Water Pipe	41	FT					
		HVAC							
1104	003.M.101	Provide Drip Pan In Ceiling Of TR Spaces	1	EA					
1105	003.M.101	Moisture Sensor For Drip Pan And Connect Sensor To Bas System.	1	EA					
1106	003.M.101	1/2" Cold Water Pipe	11	FT					
		HVAC							
1107	003.M.401	Concrete Pad	19	SF					
1108	003.M.401	TR A/C Unit -MFR: Liebert -Nominal Tons: 2 Ton -Model: DME027E	2	EA					
1109	003.M.401	TR A/C Unit Out Door Unit -MFR: Liebert -Nominal Tons: 2 Ton -Model: PFH027A	2	EA					
1110	003.M.401	1/2" Condensate Drain	157	FT					
1111	003.M.401	Thermostate	2	EA					
1112	003.M.401	Humidity Sensor	2	EA					
		Subtotal (HVAC)							\$0
		BUILDING-04							
		MECHANICAL							
1113	004.M.401	TR A/C Indoor Unit AC-TR-4 MFR: LIEBERT MODEL: DME020E Ton 1.5	1	EA					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
1114	004-M.401	TR/CU Out Door Unit CU-TR-4 MFR: LIEBERT MODEL: PFL020A Ton 1.5 CFM 2200	1	EA					
1115	004-M.401	Refrigerant Pipe Line	10	FT					
1116	004-M.401	1/2" Dia Condensate Drain Pipe Line	46	FT					
1117	004-M.401	Roof Support Rail	2	EA					
1118	004-M.401	1/2" Dia Watts LF009 OR Equal Reduced Pressure Backflow Preventer	1	EA					
1119	004-M.401	1/2" Dia Cold Water Pipe Line	47	FT					
1120	004-M.401	MIFAB Or Equal Floor Drain For RPBP. Floor Drain With Heavy Duty SS Steel Strainer With Trap Primer Connection (MIFAB F1000)	1	EA					
1121	004-M.401	1/2" Dia Shutoff Valve	1	EA					
1122	004-M.401	SS Steel Drain Box	1	EA					
		Subtotal (HVAC)							\$0
		BUILDING-05							
		MECHANICAL							
1123	005-M.401	TR A/C Indoor Unit AC-TR-5A MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1124	005-M.401	TR A/C Indoor Unit AC-TR-5B MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1125	005-M.401	TR/CU Out Door Unit CU-TR-5A MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1126	005-M.401	TR/CU Out Door Unit CU-TR-5B MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1127	005-M.401	2'0"x4'6" Concrete Pad For Condensing Unit	2	EA					
1128	005-M.401	Refrigerant Pipe Line With Metal Cover	47	FT					
1129	005-M.401	Refrigerant Pipe Line	63	FT					
1130	005-M.401	1/2" Condensate Pipe Line	11	FT					
		MECHANICAL							
1131	005-M.100	1/2" Condensate Pipe Line	334	FT					
1132	005-M.100	1/2" Dia Cold Water Pipe Line	178	FT					
1133	005-M.100	1/2" Dia Watts LF009 OR Equal Reduced Pressure Backflow Preventer	1	EA					
		Subtotal (HVAC)							\$0
		BUILDING-06							
		MECHANICAL							
1134	006-M.401	TR A/C Indoor Unit AC-TR-6G MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1135	006-M.401	TR/CU Out Door Unit CU-TR-6G MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1136	006-M.401	TR/CU Out Door Unit CU-TR-6A MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1137	006-M.401	TR/CU Out Door Unit CU-TR-6B MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1138	006-M.401	1/2" Dia Condensate Pipe Line	36	FT					
1139	006-M.401	Refrigerant Pipe Line	188	FT					
1140	006-M.401	8"x8" Duct	12	FT					
1141	006-M.401	12"x12" Duct	10	FT					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
1142	006-M.401	6" Dia Duct	3	FT					
1143	006-M.401	6" Dia Flexible Duct	17	FT					
1144	006-M.401	Diffuser	2	EA					
		MECHANICAL							
1145	006-M.402	TR A/C Indoor Unit AC-TR-6A MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1146	006-M.402	TR A/C Indoor Unit AC-TR-6B MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1147	006-M.402	1/2" Dia Condensate Drain Pipe Line	43	FT					
1148	006-M.402	Refrigerant Pipe Line	38	FT					
1149	006-M.402	Connect New Pipe Line With Existing Pipe Line	2	EA					
		MECHANICAL							
1150	006-M.100	1/2" Dia Cold Water Pipe Line	207	FT					
1151	006-M.100	1/2" Dia Shutoff Valve	2	EA					
1152	006-M.100	1/2" Dia Ball Valve	2	EA					
1153	006-M.100	1/2" Dia Watts LF009 OR Equal Reduced Pressure Backflow Preventer	1	EA					
		Subtotal (HVAC)							\$0
		BUILDING-07							
		MECHANICAL							
1154	007-M.401	8" Dia Duct	8	FT					
1155	007-M.401	10"x6" Duct	15	FT					
1156	007-M.401	Connect Existing Duct With New Duct	2	EA					
1157	007-M.401	8" Dia Flexible Duct Duct	14	FT					
1158	007-M.401	Diffuser CFM 150	1	EA					
1159	007-M.401	Return Register CFM 150	1	EA					
1160	007-M.401	1/2" Dia Condensate Pipe Line	68	FT					
1161	007-M.401	Refrigerant Pipe Line	138	FT					
1162	007-M.401	TR A/C Indoor Unit AC-TR-7G MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1163	007-M.401	TR A/C Indoor Unit AC-TR-7A MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1164	007-M.401	TR A/C Indoor Unit AC-TR-7B MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1165	007-M.401	TR/CU Out Door Unit CU-TR-7G MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1166	007-M.401	TR/CU Out Door Unit CU-TR-7A MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1167	007-M.401	TR/CU Out Door Unit CU-TR-7B MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1168	007-M.401	Existing Security Type Air Distribution Devices Relocated, Extend Ductwork & Reconnect	2	EA					
		MECHANICAL							
1169	007-M.100	1/2" Dia Condensate Pipe Line	285	FT					
1170	007-M.100	1/2" Dia Cold Water Pipe Line	134	FT					
1171	007-M.100	1/2" Dia Watts LF009 OR Equal Reduced Pressure Backflow Preventer	1	EA					
1172	007-M.100	1/2" Dia Ball Valve	4	EA					
		Subtotal (HVAC)							\$0



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		BUILDING-08							
		MECHANICAL							
1173	007-M.401	8" Dia Duct	8	FT					
1174	007-M.401	10"x6" Duct	15	FT					
1175	007-M.401	Connect Existing Duct With New Duct	2	EA					
1176	007-M.401	8" Dia Flexible Duct Duct	14	FT					
1177	007-M.401	Diffuser CFM 150	1	EA					
1178	007-M.401	Return Register CFM 150	1	EA					
1179	007-M.401	1/2" Dia Condensate Pipe Line	68	FT					
1180	007-M.401	Refrigerant Pipe Line	138	FT					
1181	007-M.401	TR A/C Indoor Unit AC-TR-7G MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1182	007-M.401	TR A/C Indoor Unit AC-TR-7A MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1183	007-M.401	TR A/C Indoor Unit AC-TR-7B MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1184	007-M.401	TR/CU Out Door Unit CU-TR-7G MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1185	007-M.401	TR/CU Out Door Unit CU-TR-7A MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1186	007-M.401	TR/CU Out Door Unit CU-TR-7B MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1187	007-M.401	Existing Security Type Air Distribution Devices Relocated, Extend Ductwork & Reconnect	2	EA					
		MECHANICAL							
1188	007-M.100	1/2" Dia Condensate Pipe Line	285	FT					
1189	007-M.100	1/2" Dia Cold Water Pipe Line	134	FT					
1190	007-M.100	1/2" Dia Watts LF009 OR Equal Reduced Pressure Backflow Preventer	1	EA					
1191	007-M.100	1/2" Dia Ball Valve	4	EA					
		Subtotal (HVAC)							\$0
		BUILDING-09							
		MECHANICAL							
1192	008-M.401	TR/CU Out Door Unit CU-TR-8A MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1193	008-M.401	TR/CU Out Door Unit CU-TR-8B MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1194	008-M.401	Refrigerant Pipe Line	70	FT					
1195	008-M.401	1/2" Dia Condensate Pipe Line	160	FT					
		MECHANICAL							
1196	008-M.402	TR/CU Out Door Unit CU-TR-8G MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1197	008-M.402	TR A/C Indoor Unit AC-TR-8G MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					



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1198	008-M.402	TR A/C Indoor Unit AC-TR-8A MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1199	008-M.402	Refrigerant Pipe Line	72	FT					
1200	008-M.402	Cap Duct	1	EA					
1201	008-M.402	1/2" Dia Condensate Pipe Line	55	FT					
		MECHANICAL							
1202	008-M.403	TR A/C Indoor Unit AC-TR-8A MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
1203	008-M.403	8" Dia Duct	10	FT					
1204	008-M.403	8" Dia Flexible Duct	19	FT					
1205	008-M.403	Diffuser CFM 200	2	EA					
1206	008-M.403	Refrigerant Pipe Line	26	FT					
1207	008-M.403	1/2" Dia Condensate Pipe Line	12	FT					
		MECHANICAL							
1208	008-M.100	1/2" Dia Cold Water Pipe Line	183	FT					
1209	008-M.100	1/2" Dia Condensate Pipe Line	60	FT					
1210	008-M.100	1/2" Dia Watts LF009 OR Equal Reduced Pressure Backflow Preventer	2	EA					
1211	008-M.100	1/2" Dia Ball Valve	2	EA					
		Subtotal (HVAC)							\$0
		BUILDING-10							
		MECHANICAL							
1212	010-M.101	TR A/C Indoor Unit AC-TR-10B MFR: LIEBERT MODEL: DME027E Ton 2 CFM 1230/105	1	EA					
		MECHANICAL							
1213	010-M.100	TR/CU Out Door Unit CU-TR-10B MFR: LIEBERT MODEL: PFL027A Ton 2 CFM 2200	1	EA					
1214	010-M.100	Refrigerant Pipe Line	162	FT					
1215	010-M.100	1/2" Dia Condensate Pipe Line	75	FT					
1216	010-M.100	1/2" Dia Cold Water Pipe Line	76	FT					
1217	010-M.100	1/2" Dia Watts LF009 OR Equal Reduced Pressure Backflow Preventer	1	EA					
		Subtotal (HVAC)							\$0
		BUILDING-11							
		HVAC							
1218	011.M.100	1/2" Cold Water	120	FT					
1219	011.M.100	1/2" Condensate Drain	236	FT					
1220	011.M.100	1/2" Ball Valve	1	EA					
1221	011.M.100	1/2" Watts LF009 Reduced Pressure Backflow Preventer	1	EA					
1222	011.M.100	MIFAB Floor Drain For RPBP	1	EA					
1223	011.M.100	Stainless Steel Drain Box	1	EA					
1224	011.M.100	Moisture Sensor For Drip Pan	2	EA					
1225	011.M.100	Drip Pan In Ceiling Of TR Spaces	2	EA					
		HVAC							
1226	011.M.401	TR A/C Unit -Manufacturer: Liebert -Nominal Tons: 2 -Model: DME027E	2	EA					
1227	011.M.401	TR A/C Unit (Outdoor Unit) -Manufacturer: Liebert -Nominal Tons: 2 -Model: PFH027A	2	EA					
		Subtotal (HVAC)							\$0
		BUILDING-106							
		MECHANICAL							



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1228	106-M.100	TR A/C Unit AC-TR-106G MFR: LIEBERT MODEL: DME020E CFM 870/750	1	EA					
1229	106-M.100	Outdoor Unit CU-TR-106G MFR: LIEBERT MODEL: PFH020A CFM 2200	1	EA					
1230	106-M.100	1/2" Dia Condensate Pipe Line	11	FT					
1231	106-M.100	Refrigerant Pipe Line	12	FT					
1232	106-M.100	1/2" Dia Cold Water Pipe Line	82	FT					
1233	106-M.100	1/2" WATTS LF009 Or Equal Reduced Pressure Backflow Preventer	1	EA					
		Subtotal (HVAC)							\$0
		BUILDING-116							
		MECHANICAL 116-M.100							
1234	116-M.100	TR A/C Unit AC-TR-116G MFR: LIEBERT MODEL: DME027E CFM 1230/1050	1	EA					
1235	116-M.100	Outdoor Unit CU-TR-116G MFR: LIEBERT MODEL: PFH027A CFM 2200	1	EA					
1236	116-M.100	1/2" Dia Cold Water Pipe Line	130	FT					
1237	116-M.100	1/2" Dia Condensate Pipe Line	62	FT					
1238	116-M.100	Refrigerant Pipe Line	73	FT					
1239	116-M.100	1/2" WATTS LF009 Or Equal Reduced Pressure Backflow Preventer	1	EA					
1240	116-M.100	1/2" Dia shutoff Valve	1	EA					
		Subtotal (HVAC)							\$0
		Total (HVAC)							\$0

DIVISION 26- ELECTRICAL

		MCR							
		LIGHT FIXTURE							
1241	MCR-E101	4' LED STRIP FIXTURE, ROUND LENSED, 80 CRI, DIMMABLE MFR: LITHONIA MODEL: CSS L48 ALO3 MVOLT SWW3 80CRI	41	EA					
1242	MCR-E101	4' LED STRIP FIXTURE, ROUND LENSED, 80 CRI MFR: LITHONIA MODEL: CSS L48 ALO3 MVOLT SWW3 80CRI	9	EA					
1243	MCR-E101	EXTERIOR LED WALL PACK MFR: LITHONIA MODEL: WPX1 LED P2 40K MVOLT DBLXD	6	EA					
1244	MCR-E101	EXTERIOR LED WALL PACK MFR: LITHONIA MODEL: WPX3 LED 40K MVOLT DBLXD	2	EA					
1245	MCR-E101	UNIVERSAL MOUNT LED EDGE LIT EXIT SIGN, ALUMINUM HOUSING, RED LETTERING MFR: LITHONIA MODEL: S900UM-WB-SR-R	3	EA					
		POWER FIXTURE							
1246	MCR-E101	Single Pole Switch	9	EA					
1247	MCR-E101	Occupancy Sensor	12	EA					
1248	MCR-E101	Occupancy Sensor Switch	1	EA					
1249	MCR-E101	Photocell	2	EA					
1250	MCR-E101	120V Duplex Recpetacle	33	EA					
1251	MCR-E101	Junction Box	9	EA					
1252	MCR-E101	Fused Disconnect Switch	20	EA					
1253	MCR-E101	Motor Connection	19	EA					
1254	MCR-E101	EPO Switch For Generator	3	EA					
1255	MCR-E101	Special Pupose Receptalce	44	EA					
1256	MCR-E101	Weather Proff Duplex Receptacle	4	EA					
1257	MCR-E101	120V,1Ø Electrical Connection For Trap Primers	2	EA					
1258	MCR-E101	Provide Power To Refrigerant Detector. Provide Low Voltage Signal Circuit To Bas	4	EA					
1259	MCR-E101	Busbar (Voltage And Amperage To Support Adequate Single & Double Breaker 208V,20Amp	4	EA					
1260	MCR-E101	Unistrut And Proper Support For Generator Annuciator Panel	1	EA					
		POWER FIXTURE							
1261	MCR-E001	Utility Transformer To Wye Configuration 480V 3PH Secondary	1	EA					



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1262	MCR-E001	CT Cabinet	1	EA					
1263	MCR-E001	PT Cabinet	1	EA					
1264	MCR-E001	Electric Meter	1	EA					
1265	MCR-E001	Surge Protective Device	14	EA					
1266	MCR-E001	Main Distribution Panel 277/480V, 3 Phase 4 Wire Rated 65 KAIC 800A Frame	1	EA					
1267	MCR-E001	800A LSI Circuit Breaker	1	EA					
1268	MCR-E001	70A LSI Circuit Breaker	3	EA					
1269	MCR-E001	400A LSI Circuit Breaker	9	EA					
1270	MCR-E001	600A LSI Circuit Breaker	3	EA					
1271	MCR-E001	60A 3 Phase Circuit Breaker	5	EA					
1272	MCR-E001	Provide Grounding Electrode Conductor Sized At #3/0 Cu. Provide Three (3) Ground Rods In Triangular Pattern, 10 Ft. Centers. Connect Ground Conductor To Ground Rods, Ground Bars, And Main Service Building Distribution Board	3	EA					
1273	MCR-E001	Generator Shall Be Caterpillar Diesel, D450, 450Kw/562Kva, 277/480V 3 Phase Wye. • Provide Day Tank With Double Wall Fuel Containment. Belly Tank Shall Have Capacity To Supply Fuel To The Engine For At Least 96 Hour Period At 100% Rated Load Without Being Refilled. • Provide Weatherproof Sound Enclosure. The Enclosure Shall Be Provided With A Factory-Installed And Factory Wired Panelboard, 20A 120V Receptacles, And Light Fixtures With Guards And Switches. Ground Housing And Generator To Building Grounding System. • Provide A 208V 3Ph 100A Circuit From Building To The Generator To Power Battery Charge And Auxiliary Generator Devices. • Provide Integral Load Bank. • Provide Circuit Breaker For Additional Load Bank Connections. • Provide Platforms And Stairs On Both Sides Of The Generator • Provide Remote Generator Epo	1	EA					
1274	MCR-E001	Dual Purpose Docking Station Manual Transfer Switch.Docking Station To Be Trystar Tmts-5 Or Equivalent And Rated For 1200 Amps At 480V 3 Phase. Docking Station Shall Be Nema 3R, Incorporate A Kirk Key Interlock, Utility Indicator Lights, And Camlock Connections	1	EA					
1275	MCR-E001	Emergency Main Distribution Panel 277/480V 3 Phase 4 Wire Rated 65KAIC 800A Frame	1	EA					
1276	MCR-E001	ATS Two Way Bypass Isolation Manual Type Switch 100A 3P 480V 3PH Fault Rated: 65KAIC	1	EA					
1277	MCR-E001	ATS Two Way Bypass Isolation Manual Type Switch 400A 4P 480V 3PH Fault Rated: 65KAIC	2	EA					
1278	MCR-E001	ATS Two Way Bypass Isolation Manual Type Switch 600A 4P 480V 3PH Fault Rated: 65KAIC	1	EA					
1279	MCR-E001	225A LSI Circuit Breaker	3	EA					
1280	MCR-E001	Control & Distribution Panel 277/480V 3 Phase 4 Wire Rated 65KAIC 400A Frame	1	EA					
1281	MCR-E001	Electric Panel 480/277V 600A Frame Rated 22KAIC	1	EA					
1282	MCR-E001	Electric Panel 208/120V 225A Frame Rated 10KAIC	2	EA					
1283	MCR-E001	175A LSI Circuit Breaker	2	EA					
1284	MCR-E001	Provide Busway(6Racks) To Power Racks. Busway 208V 3Ph Shall Be Connected To The Ups. Ups Shall Have An Integral 400A 208V 3Ph Circuit Breaker Protecting The Busway. The Power Feed Unit Of The Busway Shall Be Oversized In Ampacity And Be Rated For 400A. Busway Tap Shall Have A 208V 3Ph Breaker Protecting Each Rack	2	EA					
1285	MCR-E001	Shunt Trip Breakers, Connect To Epo	1	EA					
1286	MCR-E001	30A 3 Phase Circuit Breaker	3	EA					
1287	MCR-E001	45KVA Transformer	2	EA					
1288	MCR-E001	150KVA Transformer	1	EA					
1289	MCR-E001	Electric Panel 208/120V 600A Frame 600A MCB 42KAIC	1	EA					
1290	MCR-E001	Ups Shall Be Apc Symmetra Px 100Kw, Input 480V 3Ph, Output 208 3Ph 4W. Ups Shall Have An Integral Transformer. Rated: 65Kaic	2	EA					



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1291	MCR-E001	Connected To The Ups. Ups Shall Have An Integral 400A 208V 3Ph	2	EA					
		BUILDING-01							\$0
		ELECTRICAL							
1292	001.E.401	4' Linear Strip Light	9	EA					
1293	001.E.401	30 AMP 208 Volt Three-Phase Twist Lock Receptacle	2	EA					
1294	001.E.401	Special Purpose Receptacle (Orange Device)	4	EA					
1295	001.E.401	Two Duplex Receptacle w/ Common Cover	1	EA					
1296	001.E.401	Duplex Receptacle	8	EA					
1297	001.E.401	Ceiling Mounted Occupancy Sensor Switch	3	EA					
1298	001.E.401	Duplex Receptacle W/ Emergency Circuit	8	EA					
1299	001.E.401	Two Duplex Receptacle w/ Common Cover Mounted Above Counter	1	EA					
1300	001.E.401	Bonding Busbar	3	EA					
1301	001.E.401	Rack Bonding Busbars	2	EA					
1302	001.E.401	30 AMP, 120 Volt Twits Lock Receptacle	1	EA					
1303	001.E.401	Electrical Wiring And Conduits	1	EA					
1304	001.E.401	120/208 Wye/3/4, 225 A Bus Rating Electrical Panel w/ Type 1 Enclosure	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-02							
		ELECTRICAL							
1305	002.E.401	Ceiling Mounted Occupancy Sensor Switch	2	EA					
1306	002.E.401	Duplex Receptacle	8	EA					
1307	002.E.401	Duplex Receptacle W/ Emergency Circuit	8	EA					
1308	002.E.401	Special Purpose Receptacle (Orange Device)	2	EA					
1309	002.E.401	30 AMP 208 Volt Three-Phase Twist Lock Receptacle	2	EA					
1310	002.E.401	4' Linear Strip Light	8	EA					
1311	002.E.401	Bonding Busbar	2	EA					
1312	002.E.401	Rack Bonding Busbars	2	EA					
		Subtotal (Electrical)							\$0
		BUILDING-03							
		ELECTRICAL							
1313	003.E.401	4' Linear Strip Light	8	EA					
1314	003.E.401	30 AMP 208 Volt Three-Phase Twist Lock Receptacle	1	EA					
1315	003.E.401	Junction Box	2	EA					
1316	003.E.401	Special Purpose Receptacle (Orange Device)	1	EA					
1317	003.E.401	Duplex Receptacle	8	EA					
1318	003.E.401	Duplex Receptacle W/ Emergency Circuit	8	EA					
1319	003.E.401	Ceiling Mounted Occupancy Sensor Switch	2	EA					
1320	003.E.401	Rack Bonding Busbars	2	EA					
1321	003.E.401	Bonding Busbar	2	EA					
1322	003.E.401	120/208 Wye/3/4, Bus Rating 125 A Electrical Panel Type 1	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-04							
		ELECTRICAL							
1323	004-E.401	4' Linear Strip Light	2	EA					
1324	004-E.401	Duplex Receptacle	4	EA					
1325	004-E.401	Duplex Receptacle Connected To Emergency Circuit	4	EA					
1326	004-E.401	20 AMP 208 V Three Phase Twist Lock Receptalce	2	EA					
1327	004-E.401	Wall Mounted Occupancy Sensor	1	EA					
		ELECTRICAL							
1328	004-E.100	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 225A	2	EA					
1329	004-E.100	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 100A	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-05							
		ELECTRICAL							
1330	005-E.401	4' Linear Strip Light	8	EA					
1331	005-E.401	Duplex Receptacle	8	EA					
1332	005-E.401	Wall Mounted Occupancy Sensor	2	EA					
1333	005-E.401	Duplex Receptacle Connected To Emergency Circuit	8	EA					
1334	005-E.401	20 AMP 208 V Three Phase Twist Lock Receptalce	4	EA					
		ELECTRICAL							
1335	005-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 225A	1	EA					



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1336	005-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 250A	1	EA					
1337	005-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 100A	4	EA					
		Subtotal (Electrical)							\$0
		BUILDING-06							
		ELECTRICAL							
1338	006-ED.401	4' Linear Strip Light	12	EA					
1339	006-ED.401	Duplex Receptacle	12	EA					
1340	006-ED.401	Wall Mounted Occupancy Sensor	3	EA					
1341	006-ED.401	Duplex Receptacle Connected To Emergency Circuit	12	EA					
1342	006-ED.401	20 AMP 208 V Three Phase Twist Lock Receptalce	6	EA					
		ELECTRICAL							
1343	006-ED.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 100A	5	EA					
1344	006-ED.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 225A	3	EA					
1345	006-ED.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 400A	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-07							
		ELECTRICAL							
1346	007-E.401	4' Linear Strip Light	12	EA					
1347	007-E.401	Duplex Receptacle	12	EA					
1348	007-E.401	Wall Mounted Occupancy Sensor	3	EA					
1349	007-E.401	Duplex Receptacle Connected To Emergency Circuit	12	EA					
1350	007-E.401	20 AMP 208 V Three Phase Twist Lock Receptalce	6	EA					
		ELECTRICAL							
1351	007-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 400A	1	EA					
1352	007-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 225A	6	EA					
		Subtotal (Electrical)							\$0
		BUILDING-08							
		ELECTRICAL							
1353	007-E.401	4' Linear Strip Light	12	EA					
1354	007-E.401	Duplex Receptacle	12	EA					
1355	007-E.401	Wall Mounted Occupancy Sensor	3	EA					
1356	007-E.401	Duplex Receptacle Connected To Emergency Circuit	12	EA					
1357	007-E.401	20 AMP 208 V Three Phase Twist Lock Receptalce	6	EA					
		ELECTRICAL							
1358	007-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 400A	1	EA					
1359	007-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 225A	6	EA					
		Subtotal (Electrical)							\$0
		BUILDING-09							
		ELECTRICAL							
1360	008-ED.401	4' Linear Strip Light	12	EA					
1361	008-ED.401	Duplex Receptacle	12	EA					
1362	008-ED.401	Wall Mounted Occupancy Sensor	3	EA					
1363	008-ED.401	Duplex Receptacle Connected To Emergency Circuit	12	EA					
1364	008-ED.401	20 AMP 208 V Three Phase Twist Lock Receptalce	6	EA					
		ELECTRICAL							
1365	008-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 400A	1	EA					
1366	008-E.501	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 225A	6	EA					



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ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		Subtotal (Electrical)							\$0
		BUILDING-10							
		ELECTRICAL 010-E.401							
1367	010-E.401	4' Linear Strip Light	4	EA					
1368	010-E.401	Duplex Receptacle	4	EA					
1369	010-E.401	Wall Mounted Occupancy Sensor	1	EA					
1370	010-E.401	Duplex Receptacle Connected To Emergency Circuit	4	EA					
1371	010-E.401	20 AMP 208 V Three Phase Twist Lock Receptalce	2	EA					
	010-E.401								
	010-E.401	ELECTRICAL 010-E.501							
1372	010-E.401	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 400A	1	EA					
1373	010-E.401	Electrical Panel 120/208 Wye, 3 Phase, 4 Wire Bus Rating 225A	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-11							
		ELECTRICAL							
1374	001.E.401	4' Linear Strip Light	8	EA					
1375	001.E.401	Duplex Receptacle w/ Emergency Circuit	8	EA					
1376	001.E.401	Duplex Receptacle	8	EA					
1377	001.E.401	Occupancy Sensor	2	EA					
1378	001.E.401	Special Purpose Receptacle	4	EA					
1379	001.E.401	Rack Bonding Busbars	2	EA					
1380	001.E.401	30 AMP. 208 Volt Three-Phase Twist Lock Receptacle	2	EA					
1381	001.E.401	Bonding Busbar	2	EA					
1382	001.E.401	Electrical Wiring And Conduits	2	EA					
1383	001.E.401	120/208 Wye/3/4, 125 A Bus Rating Electrical Panel w/ Type 1 Enclosure	1	EA					
1384	001.E.401	120/208 Wye/3/4, 225 A Bus Rating Electrical Panel w/ Type 1 Enclosure	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-12							
		ELECTRICAL (Building 012, 013, 015 & 016)							
1385	012.E.401	Special Purpose Receptacle	8	EA					
1386	012.E.401	4' Linear Strip Light	2	EA					
1387	012.E.401	Two Duplex Receptacle W/ Common Cover	4	EA					
1388	012.E.401	Two Duplex Receptacle w/ Common Cover Moounted Above Counter	4	EA					
1389	012.E.401	Occupancy Sensor	2	EA					
1390	012.E.401	Bonding Busbar	2	EA					
1391	012.E.401	Rack Bonding Busbars	3	EA					
1392	012.E.401	30 AMP. 208 Volt Three-Phase Twist Lock Receptacle	4	EA					
1393	012.E.401	L2 Electrical Panel, 120/208 Wye/3/4 MLO.	1	EA					
1394	012.E.401	PDP-16-3 Electrical Panel, 120/208 Wye/3/4 MCB	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-17							
		ELECTRICAL							
1395	017.E.401	4' Linear Strip Light	2	EA					
1396	017.E.401	Duplex Receptacle	4	EA					
1397	017.E.401	Occupancy Sensor	1	EA					
1398	017.E.401	Duplex Receptacle w/ Emergency Circuit	4	EA					
1399	017.E.401	Special Purpose Receptacle	2	EA					
1400	017.E.401	Rack Bonding Busbars	1	EA					
1401	017.E.401	30 AMP. 208 Volt Three-Phase Twist Lock Receptacle	1	EA					
1402	017.E.401	Bonding Busbar	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-106							
		ELECTRICAL							
1403	106-E.401	4' Linear Strip Light	4	EA					
1404	106-E.401	Duplex Receptacle	4	EA					
1405	106-E.401	Wall Mounted Occupancy Sensor	1	EA					
1406	106-E.401	Receptacle Connected To Emergency Circuit	4	EA					
1407	106-E.401	30 AMP 120 VOLT Twist Lock Receptacle Connect To 30/1 Breaker With Feeder Of 2#10 & 1#10 GRD 3/4" Conduite	2	EA					
		ELECTRICAL							
1408	106-E.501	Electrical Panel 120/208 Wye, 3 Phase 4 Wire Bus Rating 0A	2	EA					



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SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		Subtotal (Electrical)							\$0
		BUILDING-112							
		ELECTRICAL							
1409	112-E.401	30 AMP 120 VOLT Twist Lock Receptacle Connect To 30/1 Breaker With Feeder Of 2#10 & 1#10 GRD 3/4" Conduite	4	EA					
1410	112-E.401	Two Duplex Receptacle With Common Cover	4	EA					
		ELECTRICAL							
1411	112-E.501	Electrical Panel 120/208 Wye, 3 Phase 4 Wire Bus Rating 400A	1	EA					
1412	112-E.501	Electrical Panel 120/208 Wye, 3 Phase 4 Wire Bus Rating 225A	1	EA					
		Subtotal (Electrical)							\$0
		BUILDING-116							
		ELECTRICAL 116-E.401							
1413	116-E.401	4' Linear Strip Light	4	EA					
1414	116-E.401	Duplex Receptacle	4	EA					
1415	116-E.401	Wall Mounted Occupancy Sensor	1	EA					
1416	116-E.401	30 AMP 120 VOLT Twist Lock Receptacle Connect To 30/1 Breaker With Feeder Of 2#10 & 1#10 GRD 3/4" Conduite	2	EA					
1417	116-E.401	Receptacle Connected To Emergency Circuit	4	EA					
		ELECTRICAL 116-E.501							
1418	116-E.501	Electrical Panel 120/208 Wye, 3 Phase 4 Wire Bus Rating 125A	1	EA					
1419	116-E.501	Electrical Panel 120/208 Wye, 3 Phase 4 Wire Bus Rating 400A	1	EA					
1420	116-E.501	Electrical Panel 120/208 Wye, 3 Phase 4 Wire Bus Rating 225A	1	EA					
		Subtotal (Electrical)							\$0
		Total (Electrical)							\$0

DIVISION 28- SECURITY & SAFETY SYSTEM									
		MCR							
		TELECOMMUNICATION							
1421	MCR-T101	Ceiling Mounted Speaker	10	EA					
1422	MCR-T101	Service Backbone -Entrance Room-Main Computer Room (Mcr) With Dual Redundant Pathways	2	EA					
1423	MCR-T101	Main Cross Connect (Campus/Building Distributor) – Backbone Cabling (Mcr-Telecommunications Rooms)	2	EA					
1424	MCR-T101	Wire Mesh Cable Tray Minimum Of 6" X 12" With Second Level Of Fiber Chanel Pathway	111	FT					
1425	MCR-T101	Wire Mesh Cable Tray, Minimum Of 4" X 12" With Second Level Of Fiber Channel Pathway (4" X 4").	100	FT					
1426	MCR-T101	45Ru, 30"D X 7"H X 23.75"W Network Equipment Rack. Mighty Mo 20 Cable Management Rack With White Finish	4	EA					
1427	MCR-T101	Grounding Bar With Two Hole Lug Pattern. Connect To Rounding Backbone Using A Jumper And Two Hole Lug	2	EA					
1428	MCR-T101	6" Wide Vertical Cable Management. White Mm20 Vertical Cable Management "Cage"	6	EA					
1429	MCR-T101	4' By 8' Ac Grade 3/4" Trade Size Plywood Backboard, Painted High-Gloss White With Two Coats Of Fire Resistant Paint.	2	EA					
1430	MCR-T101	Ceiling Mounted Motion Sensor	5	EA					
1431	MCR-T101	Fixed Camera, Pan/Tilt/Zoom, Passive Infrared Camera - Dual Technology	3	EA					
1432	MCR-T101	Piv Enabled Two-Factor Authentication Keypad	8	EA					
1433	MCR-T101	Great Lakes Case And Cabinet Cable Management Side Car (Sc128442)	11	EA					
1434	MCR-T101	Network Cabinet Cabinet, 44Ru, 84" High, 24" Wide, 42" Deep. Bod Great Lakes Case And Cabinet Es Cabinet (GL840ES-2442-W-MSS)	8	EA					
1435	MCR-T101	Server Cabinet, 45U, 24" X 48"(Nominal), Square Punched Rail, Single Perforated Front Door, Solid Rear Door, Double Perforated Rear Door (No Ved), Two-Point Keyed Locks, White, Solid Sidepanels. Bod Chatsworth Zetaframe Cabinet (PN: ZB14-Dx22A-E1)	12	EA					
1436	MCR-T101	Primary Bonding Busbar	1	EA					
1437	MCR-T101	Security Panel	1	EA					
1438	MCR-T101	Public Address Panel	1	EA					
1439	MCR-T101	Door Position Switch	11	EA					



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1440	MCR-T101	Electric Door Strike	8	EA					
1441	MCR-T101	Request To Exit Device (IR Sensor)	8	EA					
		FIRE ALARM							
1442	MCR-E101	Fire Suppresion Panel	1	EA					
1443	MCR-E101	Fire Alarm Control Panel	1	EA					
		FIRE ALARM							
1444	MCR-FP101	Control Relayfor Fire Smoke Damper	1	EA					
1445	MCR-FP101	Fire Alarm Remove LCD Annunciator With Microphone	1	EA					
1446	MCR-FP101	Fire Alarm Horn Strobe	11	EA					
1447	MCR-FP101	Smoke Detector	4	EA					
1448	MCR-FP101	Detector Tamper Switch	4	EA					
1449	MCR-FP101	Detector Flow Switch	2	EA					
1450	MCR-FP101	Fire Alarm Manual Pull Station	2	EA					
1451	MCR-FP101	Control Relay	2	EA					
1452	MCR-FP101	Duct Smoke Detector	2	EA					
		ALLOWANCE							
1453		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1454		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1455		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1456		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 01							
		TELECOM							
1457	01.T.112	Ceiling Mounted Junction Box	1	EA					
1458	01.T.112	Wall Mounted Junction Box	1	EA					
1459	01.T.112	4" Conduit Routed	45	FT					
1460	01.T.112	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	87	EA					
1461	01.T.112	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	16	EA					
		TELECOM							
1462	001.T.122	Wall Mounted Junction Box	1	EA					
1463	001.T.122	Ceiling Mounted Junction Box	1	EA					
1464	001.T.122	4" Conduit Routed	64	FT					
1465	001.T.122	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	132	EA					
1466	001.T.122	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	23	EA					
1467	001.T.122	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	6	EA					
		TELECOM							
1468	001.T.131	Wall Mounted Junction Box	1	EA					
1469	001.T.131	Ceiling Mounted Junction Box	1	EA					
1470	001.T.131	4" Conduit Routed	52	FT					
		TELECOM							
1471	001.T.141	Ceiling Mounted Junction Box	2	EA					
1472	001.T.141	4" Conduit Routed	113	FT					
		TELECOM							
1473	001.T.151	4" Conduit Routed	15	FT					
1474	001.T.151	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	12	EA					
1475	001.T.151	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	7	EA					
		TELECOM							
1476	001.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	111	FT					
1477	001.T.401	45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	4	EA					
1478	001.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	3	EA					



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ALL TRADE

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1479	001.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	4	EA					
1480	001.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	4	EA					
1481	001.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	6	EA					
1482	001.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	2	EA					
1483	001.T.401	CEILING MOUNTED MOTION SENSOR	2	EA					
1484	001.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	3	EA					
1485	001.T.401	Thermostat	2	EA					
1486	001.T.401	Humidity Sensor	2	EA					
1487	001.T.401	Door Position Switch	3	EA					
1488	001.T.401	Electric Mortise Lock Or Electric Trim	2	EA					
1489	001.T.401	Electric Door Strike	1	EA					
		ALLOWANCE							
1490		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1491		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1492		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1493		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 02							
		TELECOM							
1494	002.T.115	Wall Mounted Junction Box	1	EA					
1495	002.T.115	4" Conduit Routed	45	FT					
1496	002.T.115	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	97	EA					
1497	002.T.115	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	24	EA					
		TELECOM							
1498	002.T.125	Wall Mounted Junction Box	1	EA					
1499	002.T.125	4" Conduit Routed	46	FT					
1500	002.T.125	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	47	EA					
1501	002.T.125	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	20	EA					
		TELECOM							
1502	002.T.402	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	93	FT					
1503	002.T.402	45RU, 30"D x 7'H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL.	4	EA					
1504	002.T.402	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	2	EA					
1505	002.T.402	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	4	EA					
1506	002.T.402	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	4	EA					
1507	002.T.402	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	6	EA					
1508	002.T.402	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	2	EA					
1509	002.T.402	CEILING MOUNTED MOTION SENSOR	2	EA					
1510	002.T.402	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	2	EA					
1511	002.T.402	Thermostat	2	EA					
1512	002.T.402	Humidity Sensor	2	EA					
1513	002.T.402	Door Position Switch	2	EA					
1514	002.T.402	Electric Mortise Lock Or Electric Trim	2	EA					
		ALLOWANCE							



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1515		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1516		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1517		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1518		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 03							
		TELECOM							
1519	003.T.113	Wall Mounted Junction Box	1	EA					
1520	003.T.113	4" Conduit Routed	10	FT					
1521	003.T.113	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	149	EA					
1522	003.T.113	EXISTING BACK BOXS NOT UTILIZED FOR NEW CABLING CONTRACTOR TO PROVIDE BLANK FACE PLATE	1	EA					
1523	003.T.113	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	26	EA					
1524	003.T.113	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	3	EA					
		TELECOM							
1525	003.T.123	Wall Mounted Junction Box	1	EA					
1526	003.T.123	4" Conduit Routed	10	FT					
1527	003.T.123	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	123	EA					
1528	003.T.123	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	11	EA					
1529	003.T.123	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	4	EA					
		TELECOM							
1530	003.T.133	4" Fire Rated Sleeves	2	EA					
1531	003.T.133	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	85	EA					
1532	003.T.133	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	24	EA					
1533	003.T.133	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	3	EA					
		TELECOM							
1534	003.T.403	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	103	FT					
1535	003.T.403	45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	5	EA					
1536	003.T.403	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG	2	EA					
1537	003.T.403	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	4	EA					
1538	003.T.403	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	4	EA					
1539	003.T.403	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	7	EA					
1540	003.T.403	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	2	EA					
1541	003.T.403	CEILING MOUNTED MOTION SENSOR	2	EA					
1542	003.T.403	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	2	EA					
1543	003.T.403	Thermostat	2	EA					
1544	003.T.403	Humidity Sensor	2	EA					
1545	003.T.403	Door Position Switch	2	EA					
1546	003.T.403	Electric Mortise Lock Or Electric Trim	1	EA					
1547	003.T.403	Electric Door Strike	1	EA					
		ALLOWANCE							
1548		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					



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SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
1549		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1550		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1551		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 04							
		TELECOM							
1552	004.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	1	EA					
		TELECOM							
1553	004.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	67	EA					
1554	004.T.101	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	1	EA					
1555	004.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	16	EA					
		TELECOM							
1556	004.T.102	Junction Box	1	EA					
1557	004.T.102	4" Conduit Routed	16	FT					
1558	004.T.102	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	8	EA					
1559	004.T.102	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	4	EA					
		TELECOM							
1560	004.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	37	FT					
1561	004.T.401	45RU, 30"D x 7'H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL.	1	EA					
1562	004.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	1	EA					
1563	004.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	2	EA					
1564	004.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	2	EA					
1565	004.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL.	2	EA					
1566	004.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	1	EA					
1567	004.T.401	CEILING MOUNTED MOTION SENSOR	1	EA					
1568	004.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	1	EA					
1569	004.T.401	Thermostat	1	EA					
1570	004.T.401	Humidity Sensor	1	EA					
1571	004.T.401	Door Position Switch	1	EA					
1572	004.T.401	Electric Mortise Lock Or Electric Trim	1	EA					
		ALLOWANCE							
1573		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1574		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1575		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1576		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 05							
		TELECOM 005.T.100							
1577		Wall Mounted Junction Box	1	EA					
1578		Ceiling Mounted Junction Box	2	EA					
1579		4" Conduit Routed	293	FT					
		TELECOM 005.T.101							



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
1580		Wall Mounted Junction Box	1	EA					
1581		4" Conduit Routed	72	FT					
1582		NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	118	EA					
1583		PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	27	EA					
		TELECOM 005.T.102							
1584		NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	133	EA					
1585		PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	31	EA					
1586		PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	5	EA					
		TELECOM 005.T.401							
1587		PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	100	FT					
1588		45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	4	EA					
1589		PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	2	EA					
1590		HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	4	EA					
1591		MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	4	EA					
1592		PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	6	EA					
1593		FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	2	EA					
1594		CEILING MOUNTED MOTION SENSOR	2	EA					
1595		PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	2	EA					
1596		Thermostat	2	EA					
1597		Humidity Sensor	2	EA					
1598		Door Position Switch	2	EA					
1599		Electric Mortise Lock Or Electric Trim	2	EA					
		ALLOWANCE							
1600		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1601		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1602		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1603		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 06							
		TELECOM							
1604	006.T.100	Wall Mounted Junction Box	2	EA					
1605	006.T.100	4" Conduit Routed	231	FT					
1606	006.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	108	EA					
1607	006.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	29	EA					
1608	006.T.100	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	2	EA					
		TELECOM							
1609	006.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	86	EA					
1610	006.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	27	EA					
1611	006.T.101	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	5	EA					
1612	006.T.101	Wall Mounted Junction Box	1	EA					
		TELECOM							



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1613	006.T.102	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	67	EA					
1614	006.T.102	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	26	EA					
1615	006.T.102	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	3	EA					
1616	006.T.102	Wall Mounted Junction Box	1	EA					
		TELECOM							
1617	006.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	153	FT					
1618	006.T.401	45RU, 30"D x 7'H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	6	EA					
1619	006.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG	3	EA					
1620	006.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL.	6	EA					
1621	006.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	6	EA					
1622	006.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	6	EA					
1623	006.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	3	EA					
1624	006.T.401	CEILING MOUNTED MOTION SENSOR	3	EA					
1625	006.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	3	EA					
1626	006.T.401	Thermostat	3	EA					
1627	006.T.401	Humidity Sensor	2	EA					
1628	006.T.401	Electric Mortise Lock Or Electric Trim	3	EA					
1629	006.T.401	Door Position Switch	3	EA					
		ALLOWANCE							
1630		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1631		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1632		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1633		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 07							
		TELECOM							
1634	007.T.100	Wall Mounted Junction Box	1	EA					
1635	007.T.100	4" Conduit Routed	3	FT					
1636	007.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	55	EA					
1637	007.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	31	EA					
1638	007.T.100	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	4	EA					
		TELECOM							
1639	007.T.101	Wall Mounted Junction Box	1	EA					
1640	007.T.101	4" Conduit Routed	4	FT					
1641	007.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	22	EA					
1642	007.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	23	EA					
1643	007.T.101	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	1	EA					
		TELECOM							
1644	007.T.102	4" Conduit Routed	3	FT					
1645	007.T.102	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	23	EA					



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1646	007.T.102	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	20	EA					
		TELECOM							
1647	007.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	159	FT					
1648	007.T.401	45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	6	EA					
1649	007.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	3	EA					
1650	007.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	6	EA					
1651	007.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	6	EA					
1652	007.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	6	EA					
1653	007.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	3	EA					
1654	007.T.401	CEILING MOUNTED MOTION SENSOR	3	EA					
1655	007.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	3	EA					
1656	007.T.401	Thermostat	3	EA					
1657	007.T.401	Humidity Sensor	3	EA					
1658	007.T.401	Electric Mortise Lock Or Electric Trim	3	EA					
1659	007.T.401	Door Position Switch	3	EA					
		ALLOWANCE							
1660		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1661		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1662		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1663		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 08							
		TELECOM							
1664	007.T.100	Wall Mounted Junction Box	1	EA					
1665	007.T.100	4" Conduit Routed	3	FT					
1666	007.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	55	EA					
1667	007.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	31	EA					
1668	007.T.100	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	4	EA					
		TELECOM							
1669	007.T.101	Wall Mounted Junction Box	1	EA					
1670	007.T.101	4" Conduit Routed	4	FT					
1671	007.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	22	EA					
1672	007.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	23	EA					
1673	007.T.101	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	1	EA					
		TELECOM							
1674	007.T.102	4" Conduit Routed	3	FT					
1675	007.T.102	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	23	EA					
1676	007.T.102	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	20	EA					
		TELECOM							
1677	007.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	159	FT					
1678	007.T.401	45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	6	EA					



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ALL TRADE

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1679	007.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	3	EA					
1680	007.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	6	EA					
1681	007.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	6	EA					
1682	007.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	6	EA					
1683	007.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	3	EA					
1684	007.T.401	CEILING MOUNTED MOTION SENSOR	3	EA					
1685	007.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	3	EA					
1686	007.T.401	Thermostat	3	EA					
1687	007.T.401	Humidity Sensor	3	EA					
1688	007.T.401	Electric Mortise Lock Or Electric Trim	3	EA					
1689	007.T.401	Door Position Switch	3	EA					
		ALLOWANCE							
1690		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1691		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1692		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1693		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 09							
		TELECOM							
1694	008.T.100	Ceiling Mounted Junction Box	2	EA					
1695	008.T.100	4" Conduit Routed	122	FT					
1696	008.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	69	EA					
1697	008.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	25	EA					
1698	008.T.100	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	2	EA					
		TELECOM							
1699	008.T.101	Ceiling Mounted Junction Box	1	EA					
1700	008.T.101	4" Conduit Routed	38	FT					
1701	008.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	37	EA					
1702	008.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	25	EA					
1703	008.T.101	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	2	EA					
		TELECOM							
1704	008.T.102	Ceiling Mounted Junction Box	1	EA					
1705	008.T.102	4" Conduit Routed	6	FT					
1706	008.T.102	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	47	EA					
1707	008.T.102	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	26	EA					
1708	008.T.102	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	2	EA					
		TELECOM							
1709	008.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4")	156	FT					
1710	008.T.401	45RU, 30"D x 7'H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL.	4	EA					
1711	008.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	3	EA					
1712	008.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	6	EA					



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1713	008.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	6	EA					
1714	008.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	8	EA					
1715	008.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	3	EA					
1716	008.T.401	CEILING MOUNTED MOTION SENSOR	3	EA					
1717	008.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	3	EA					
1718	008.T.401	Thermostat	3	EA					
1719	008.T.401	Humidity Sensor	3	EA					
1720	008.T.401	Electric Mortise Lock Or Electric Trim	3	EA					
1721	008.T.401	Door Position Switch	3	EA					
		ALLOWANCE							
1722		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1723		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1724		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1725		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 10							
		FIRE ALARM							
		TELECOM							
1726	010.T.100	Ceiling Mounted Junction Box	2	EA					
1727	010.T.100	Wall Mounted Junction Box	3	EA					
1728	010.T.100	4" Conduit Routed	132	FT					
1729	010.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	14	EA					
1730	010.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	7	EA					
1731	010.T.100	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	2	EA					
		TELECOM							
1732	010.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	24	EA					
1733	010.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	10	EA					
1734	010.T.101	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	7	EA					
		TELECOM							
1735	010.T.102	Wall Mounted Junction Box	1	EA					
1736	010.T.102	4" Conduit Routed	9	FT					
1737	010.T.102	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	17	EA					
1738	010.T.102	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	11	EA					
1739	010.T.102	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	5	EA					
		TELECOM							
1740	010.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4").	108	FT					
1741	010.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	1	EA					
1742	010.T.401	45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL.	2	EA					
1743	010.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG	1	EA					
1744	010.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	1	EA					
1745	010.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	3	EA					

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
1746	010.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	1	EA					
1747	010.T.401	CEILING MOUNTED MOTION SENSOR	1	EA					
1748	010.T.401	Thermostat	1	EA					
1749	010.T.401	Humidity Sensor	1	EA					
1750	010.T.401	Card Reader	1	EA					
1751	010.T.401	Electric Door Strike	1	EA					
1752	010.T.401	Door Position Switch	1	EA					
1753	010.T.401	Request To Exit Device Mount Centered Above Door Frame	1	EA					
		ALLOWANCE							
1754		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1755		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1756		Allowance For Electrical Wiring & Conduit In Building	1	LS					
1757		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							
		BUILDING - 11							
		TELECOM							
1758	011.T.100	Wall Mounted Junction Box	3	EA					
1759	011.T.100	New Backbox Required	3	EA					
1760	011.T.100	4" Conduit Routed	104	FT					
1761	011.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMATE WITH NEW FACEPLATE.	6	EA					
1762	011.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	8	EA					
		TELECOM							
1763	011.T.101	Wall Mounted Junction Box	2	EA					
1764	011.T.101	New Backbox Required	1	EA					
1765	011.T.101	4" Conduit Routed	88	FT					
1766	011.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMATE WITH NEW FACEPLATE.	15	EA					
1767	011.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	6	EA					
		TELECOM							
1768	011.T.102	Wall Mounted Junction Box	2	EA					
1769	011.T.102	4" Conduit Routed	57	FT					
1770	011.T.102	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMATE WITH NEW FACEPLATE.	5	EA					
1771	011.T.102	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	11	EA					
		TELECOM							
1772	011.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4")	103	FT					
1773	011.T.401	45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUA	4	EA					
1774	011.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	2	EA					
1775	011.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	4	EA					
1776	011.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	4	EA					
1777	011.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL.	6	EA					
1778	011.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	2	EA					
1779	011.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	2	EA					
1780	011.T.401	CEILING MOUNTED MOTION SENSOR	2	EA					
1781	011.T.401	Humidity Sensor	2	EA					
1782	011.T.401	Thermostat	2	EA					
1783	011.T.401	Door Position Switch	2	EA					
1784	011.T.401	Electric Mortise Lock Or Electric Trim	2	EA					



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SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		ALLOWANCE							
1785		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1786		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1787		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1788		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 12							
		TELECOM							
1789	012.T.100	Wall Mounted Junction Box	5	EA					
1790	012.T.100	4" Conduit Routed	860	FT					
1791	012.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMATE WITH NEW FACEPLATE.	24	EA					
1792	012.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	20	EA					
		TELECOM							
1793	012.T.400	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4")	27	FT					
1794	012.T.400	PROVIDE WALL MOUNTED TELECOMMUNICATIONS RACK	3	EA					
1795	012.T.400	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG	3	EA					
1796	012.T.400	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS). PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	5	EA					
1797	012.T.400	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO). PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	5	EA					
1798	012.T.400	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	2	EA					
1799	012.T.400	CEILING MOUNTED MOTION SENSOR	2	EA					
1800	012.T.400	Door Position Switch	2	EA					
1801	012.T.400	Electric Mortise Lock Or Electric Trim	2	EA					
		ALLOWANCE							
1802		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1803		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1804		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1805		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 16							
		TELECOM 016.T.100							
1806	016.T.100	Wall Mounted Junction Box	1	EA					
1807	016.T.100	4" Conduit Routed	20	FT					
1808	016.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMATE WITH NEW FACEPLATE.	4	EA					
1809	016.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	1	EA					
	016.T.100								
		ALLOWANCE							
1810		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1811		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1812		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1813		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 17							



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		TELECOM							
1814	017.T.100	Wall Mounted Junction Box	1	EA					
1815	017.T.100	4" Conduit Routed	64	FT					
1816	017.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMITE WITH NEW FACEPLATE.	32	EA					
1817	017.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	6	EA					
		TELECOM							
1818	017.T.401	PROVIDE WALL MOUNTED RACK	1	EA					
		ALLOWANCE							
1819		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1820		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1821		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1822		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 106							
		TELECOM							
1823	106.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMITE WITH NEW FACEPLATE.	59	EA					
1824	106.T.100	NEW BACKBOX REQUIRED	2	EA					
1825	106.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	5	EA					
		TELECOM							
1826	106.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4")	43	FT					
1827	106.T.401	45RU, 30"D x 7'H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	2	EA					
1828	106.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG	1	EA					
1829	106.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILT SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	1	EA					
1830	106.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILT SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH.	1	EA					
1831	106.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	3	EA					
1832	106.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	1	EA					
1833	106.T.401	CEILING MOUNTED MOTION SENSOR	1	EA					
1834	106.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	1	EA					
1835	106.T.401	Door Position Switch	1	EA					
1836	106.T.401	Electric Mortise Lock Or Electric Trim	1	EA					
		ALLOWANCE							
1837		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1838		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1839		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1840		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 112							
		TELECOM							
1841	112.T.100	Wall Mounted Junction Box	2	EA					
1842	112.T.100	4" Conduit Routed	125	FT					
1843	112.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMITE WITH NEW FACEPLATE.	43	EA					



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1844	112.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	7	EA					
		TELECOM							
1845	112.T.101	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	10	EA					
1846	112.T.101	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	14	EA					
1847	112.T.101	Wall Mounted Junction Box	1	EA					
		TELECOM							
1848	112.T.401	PROVIDE WALL MOUNTED TELECOMMUNICATIONS RACK (BOD TBD).	2	EA					
1849	112.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG.	3	EA					
1850	112.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	2	EA					
1851	112.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	2	EA					
1852	112.T.401	CEILING MOUNTED MOTION SENSOR	1	EA					
1853	112.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	1	EA					
1854	112.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	2	EA					
1855	112.T.401	Door Position Switch	2	EA					
1856	112.T.401	EXISTING WALL MOUNTED RACK TO BE DEMO AFTER NEW RACKS ARE COMPLETE, ACTIVE & EXISTING TERMINATIONS ARE CABLED TO NEW RACKS	1	EA					
1857	112.T.401	Electric Door Strick	1	EA					
		ALLOWANCE							
1858		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1859		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1860		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1861		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 116							
		TELECOM							
1862	116.T.100	Ceiling Mounted Junction Box	1	EA					
1863	116.T.100	4" Conduit Routed	168	FT					
1864	116.T.100	NEW BACK BOX REQUIRED	6	EA					
1865	116.T.100	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	136	EA					
1866	116.T.100	EXISTING BACKBOXES NOT UTILIZED FOR NEW CABLING. CONTRACTOR TO PROVIDE BLANK FACEPLATE.	1	EA					
1867	116.T.100	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	39	EA					
		TELECOM							
1868	116.T.401	PROVIDE WIRE MESH CABLE TRAY, MINIMUM OF 4" X 12" WITH SECOND LEVEL OF FIBER CHANNEL PATHWAY (4" X 4")	52	FT					
1869	116.T.401	45RU, 30"D x 7"H x 23.75"W NETWORK EQUIPMENT RACK. MIGHTY MO 20 CABLE MANAGEMENT RACK WITH WHITE FINISH OR APPROVED EQUAL	2	EA					
1870	116.T.401	PROVIDE GROUNDING BAR WITH TWO HOLE LUG PATTERN. CONNECT TO GROUNDING BACKBONE USING A JUMPER AND TWO HOLE LUG	1	EA					
1871	116.T.401	MAIN CROSS CONNECT (CAMPUS/BUILDING DISTRIBUTOR) - BACKBONE CABLING (MCR-TELECOMMUNICATIONS ROOMS) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	2	EA					
1872	116.T.401	HORIZONTAL DISTRIBUTION TO WORK AREA OUTLETS (WAO) PROVIDE 4" HILTI SPEED SLEEVES AS REQUIRED FOR DENSITY + 10% GROWTH	2	EA					
1873	116.T.401	PROVIDE 6" WIDE VERTICAL CABLE MANAGEMENT. WHITE MM20 VERTICAL CABLE MANAGEMENT "CAGE" OR APPROVED EQUAL	3	EA					



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1874	116.T.401	FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA, DUAL TECHNOLOGY	1	EA					
1875	116.T.401	PIN ENABLED TWO-FACTOR AUTHENTICATION KEYPAD	1	EA					
1876	116.T.401	CEILING MOUNTED MOTION SENSOR	1	EA					
1877	116.T.401	Thrmostat	1	EA					
1878	116.T.401	Humidity Sensor	1	EA					
1879	116.T.401	Door Position Switch	1	EA					
1880	116.T.401	Electric Mortise Lock Or Electric Trim	1	EA					
		ALLOWANCE							
1881		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1882		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1883		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1884		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 117							
		TELECOM							
1885	117.T.114	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	184	EA					
1886	117.T.114	EXISTING BACK BOXS NOT UTILIZED FOR NEW CABLING CONTRACTOR TO PROVIDE BLANK FACE PLATE	3	EA					
1887	117.T.114	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	19	EA					
		TELECOM							
1888	117.T.124	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	112	EA					
1889	117.T.124	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	20	EA					
1890	117.T.124	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	3	EA					
		ALLOWANCE							
1891		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1892		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1893		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1894		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 118							
		TELECOM							
1895	120.T.111	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	54	EA					
1896	120.T.111	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	13	EA					
1897	120.T.111	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	17	EA					
		TELECOM							
1898	120.T.121	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	49	EA					
1899	120.T.121	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	12	EA					
1900	120.T.121	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	1	EA					
		ALLOWANCE							
1901		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
1902		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1903		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1904		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		BUILDING - 120							
		TELECOM							
1905	120.T.111	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	54	EA					
1906	120.T.111	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	13	EA					
1907	120.T.111	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	17	EA					
		TELECOM							
1908	120.T.121	NEW TELECOMMUNICATIONS OUTLETS CONTRACTOR TO PULL NEW CAT6A CABLES TO EXISTING BACK BOXES AND TERMiate WITH NEW FACEPLATE.	49	EA					
1909	120.T.121	PROVIDE NEW CABLING TO EXISTING WIRELESS ACCESS POINTS	12	EA					
1910	120.T.121	PROVIDE NEW BACK BOX AND FLEXIBLE ROMEX CONDUIT PATHWAY FOR DATA OUTLETS	1	EA					
		ALLOWANCE							
1911		Contractor To Utilize Existing Horizontal Pathways Where Possible, Supplement With New J-Hooks To Meet Bisci Support Standards Where Required. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1912		Contractor To Utilize Existing Sleeves Where Possible, Supplement With New Conduit Sleeves Where Required To Meet Bisci Standard Fill Ratios. Contractor To Assume 75% Availability And Denote Line Item Allowance In Bid Response For New	1	LS					
1913		Allowance For Electrical Wiring & Conduite In Building	1	LS					
1914		Allowance For Low Voltage Wiring & Conduit	1	LS					
		Subtotal (Security & Safety)							\$0
		Total (Security & Safety)							\$0

DIVISION 32- EXTERIOR IMPROVEMENT									
		DEMO							
1915	CD100	Cut & Remove Existing Water Service	72	FT					
1916	CD100	Remove & Relocate Existing Water Meter	1	EA					
1917	CD100	Existing Asphalt To Be Demolished	1770	SF					
1918	CD100	Remove Existing Asphalt & 6" Of Existing Base & Install New to Meet Proposed Grades	2310	SF					
1919	CD100	Remove Existing Wheel Stop	11	EA					
1920	CD100	Remove Existing Sidewalk	71	SF					
		ASPHALT PAVEMENT							
1921	CG100	2" Thick Mill & Overlay	1647	SF					
1922	CG100	Asphaltic Pavement 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3	2298	SF					
1923	CG100	2" Thick ACP Mixture	2298	SF					
1924	CG100	6" Thick 3/4" Limerock Base	2298	SF					
1925	CG100	8" Thick Compacted Subgrade	2298	SF					
		SIDE WALK							
1926	CG100	7' Wide 4" Thick Class B Concrete Sidewalk With Turn Down Edge	2206	SF					
1927	CG100	5' Wide 4" Thick Class B Concrete Sidewalk	147	SF					
1928	CG100	4" Thick Aggregate Base	29	CY					
1929	CG100	1" Scored Or Saw Cut Contraction Joint	179	FT					
		CURB & GUTTER							
1930	CG100	6" Standing Curb	408	FT					
1931	CG100	6" Wide x 14" High Vertical Concrete Curb	242	FT					
1932	CG100	Transition To Flush Concrete Curb	7	FT					
		MISC ITEMS							
1933	CG100	Access Control Arm	4	EA					
1934	CG100	PIV Card Reader	2	EA					
		WHEEL STOPS							



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1935	CG101	6' Long Precast Concrete Wheel Stop	11	EA					
		PAVEMENT MARKING							
1936	CG101	4" Wide White Pavement Strip	223	FT					
		FENCE							
1937	CG100	6' High Wooden Fence	40	FT					
1938	CG100	6' High Chain Link Fence	5	FT					
		SWALE							
1939	CG101	6" Swale	28	FT					
		TRANSFORMER PAD							
1940	CJ106	24"x12" Concrete Footing (60FT)	4	CY					
1941	CJ106	Reinforcement: 3#5 Cont Bar	188	LB					
1942	CJ106	#5 @ 12" O.C Transverse Bar	127	LB					
1943	CJ106	Formwork	120	SF					
1944	CJ106	Excavation	7	CY					
1945	CJ106	Backfill	2	CY					
1946	CJ106	8" Thick Concrete Stem Wall 2'9" (60FT)	4	CY					
1947	CJ106	Reinforcement: #5 @ 12" O.C E.W	379	LB					
1948	CJ106	Formwork	330	SF					
1949	CJ106	Excavation: 2' Deep	18	CY					
1950	CJ106	Backfill	14	CY					
1951	CJ106	Turndown Slab 0.4SF	1	CY					
1952	CJ106	8" Thick Concrete Slab With #5 @ 12" O.C E.W	180	SF					
1953	CJ106	12" Thick 1" Aggregate @ 95% Compacted	7	CY					
1954		Medium Voltage 500 Kva Compartmental Transformer With Primary Protection And Loop Feed. Tie Into The Existing Campus Medium Voltage Loop And Extend Both Sides Of The Loop To The New Transformer. For This Work, Provide A \$150,000 Allowance. Design To Be Issued At A Later Date	1	LS				\$0	
		Subtotal (Exterior Improvement)							\$0
		Total (Security & Safety)							\$0

DIVISION 33- UTILITIES

		STORM UTILITIES							
1955	CU101	12" Dia PVC Storm Lateral	346	FT					
1956	CU101	Excavation	192	CY					
1957	CU101	Aggregate Backfill	54	CY					
1958	CU101	Native Soil Backfill	128	CY					
1959	CU101	Core & Connect To Existing Storm Inlet	1	EA					
1960	CU101	Type 42 Catch Basin	2	EA					
1961	CU101	12" Dia 45 Degree Bend	1	EA					
1962	CU101	12" Dia 90 Degree Bend	1	EA					
1963	CU101	12" Dia Wye Tee	1	EA					
1964	CU101	Sample Point No 1	1	EA					
		WATER UTILITIES							
1965	CU101	6" Dia PVC Water Service	151	FT					
1966	CU101	Excavation	67	CY					
1967	CU101	Aggregate Backfill	21	CY					
1968	CU101	Native Soil Backfill	45	CY					
	CU101								
1969	CU101	Sample Point 2	1	EA					
1970	CU101	6" Dia 90 Degree Bend	3	EA					
1971	CU101	6" Dia 90 Degree Bend To Reroute Ex Water Service Around Transformer Pad	1	EA					
1972	CU101	Core To Relocate Existing Water Meter	1	EA					
1973	CU101	Install Fill & Flush Device	1	EA					
1974	CU101	Cut & Install 6" Dia TEE & Two 6" Dia Gate Valve & Connect to Existing	1	EA					
		SEWER UTILITIES							
1975	CU101	8" Dia PVC Gravity Sewer Pipe Line	425	FT					
1976	CU101	Excavation	189	CY					
1977	CU101	Aggregate Backfill	58	CY					
1978	CU101	Native Soil Backfill	126	CY					
1979	CU101	6" Dia Sewer Lateral	19	FT					
1980	CU101	Excavation	9	CY					
1981	CU101	Aggregate Backfill	3	CY					



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1982	CU101	Native Soil Backfill	6	CY					
1983	CU101	Tie Into Existing Sewer Manhole	1	EA					
1984	CU101	Disconnect Two Existing N.E Inverts & Install MUD Plug. Core & Connect 8" Dia PVC Sewer Main	1	EA					
1985	CU101	8" Dia Crosser	6	EA					
1986	CU101	Sewer Standard Precast Concrete Manhole	2	EA					
1987	CU101	Remove & Reinstall 8" Dia Sanitary Cleanout	1	EA					
1988	CU101	12" dia 90 Degree Bend	1	EA					
1989	CU101	12"x6" Dia Reducer	1	EA					
1990	CU101	6" Dia Wye Connection	1	EA					
1991	CU101	Cut & Connect Existing 6" Concrete Sewer Lateral To New Manhole	1	EA					
		ELECTRICAL UTILITIES							
1992	ES100	(6) #10 , (1) #10G In 1" PVC Conduit For Gate Opener	243	FT					
1993	ES100	(2) #10 , (1) #10G In 3/4" PVC Conduit For Network Switch & Gate Card Reader	243	FT					
1994	ES100	2" Dia PVC Conduit	9	FT					
1995	ES100	1" Dia PVC Conduite	134	FT					
1996	ES100	1-1/4" Dia PVC Conduit	42	FT					
1997	ES100	Junction Box	2	EA					
1998	ES100	11" Wide x 18" Long x 11" Deep Inground Pull Box	6	EA					
1999	ES100	Card Reader With Integrated Keypad	2	EA					
2000	ES100	42" High Single Post Gooseneck Gate Pedestal	2	EA					
2001	ES100	Electric Gate Operator	4	EA					
		ELECTRICAL UTILITIES							
2002	TS102	2" Dia Conduit For Low Voltage Cabling	233	FT					
2003	TS102	1-1/4" Dia PVC Conduit For Low Voltage	42	FT					
		FIBER CABLE							
2004	TS100	Primary Service Provider Fiber Extended	2764	FT					
2005	TS100	Redundant (B) Service Provider Fiber Extended	2226	FT					
2006	TS100	(1) 24 Strand Single Mode Fiber Cable Routed In Ceiling Space Via J Hooks	727	FT					
2007	TS100	(1) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	1649	FT					
2008	TS100	(2) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	169	FT					
2009	TS100	(3) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	766	FT					
2010	TS100	(4) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	1068	FT					
2011	TS100	(5) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	167	FT					
2012	TS100	(6) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	240	FT					
2013	TS100	(7) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	1651	FT					
2014	TS100	(11) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	434	FT					
2015	TS100	(15) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	614	FT					
2016	TS100	(18) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	251	FT					
2017	TS100	(25) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	212	FT					
2018	TS100	(32) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	500	FT					
2019	TS100	(35) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	204	FT					
2020	TS100	(38) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	366	FT					
2021	TS100	(41) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	878	FT					
2022	TS100	(1) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	1195	FT					
2023	TS100	(2) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	537	FT					
2024	TS100	(3) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	428	FT					
2025	TS100	(4) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	2044	FT					
2026	TS100	(5) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	687	FT					
2027	TS100	(7) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	1323	FT					
2028	TS100	(9) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	243	FT					
2029	TS100	(10) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	440	FT					
2030	TS100	(13) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	476	FT					
2031	TS100	(18) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	544	FT					
2032	TS100	(28) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	319	FT					
2033	TS100	(37) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	734	FT					
2034	TS100	(44) 24 Strand Single Mode Fiber Cable (Redundant (B) Fiber	227	FT					
2035	TS100	(45) 24 Strand Single Mode Fiber Cable (Primary A Fiber)	119	FT					
2036	TS100	4" Dia PVC Conduit Routed Through Ceiling Space	363	FT					
2037	TS100	4" Dia PVC Conduit Routed Through Crawlspace	6640	FT					
2038	TS100	4" Dia PVC Conduit Routed Through Crawlspace Conduite Dedicated For Service Provider Fiber Extension	950	FT					
2039	TS100	4" Dia PVC Conduit Routed Through Crawlspace	3936	FT					
2040	TS100	Junction Box	26	EA					
		FIRE ALARM UTILITIES							
2041	CS101	4" PVC Concrete Encased Fire Alarm Conduit	241	FT					
2042	CS101	Excavation 4'0"x5'0"	179	FT					
2043	CS101	Native Soil Backfill 4'0"x4'0"	143	FT					

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		TELECOM UTILITIES							
2044	CS101	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	13	FT					
2045	CS101	Excavation 4'0"x5'0"	10	CY					
2046	CS101	Native Soil Backfill 4'0"x4'0"	8	CY					
2047	CS101	4" Dia PVC Concrete Encased Conduit Ductbank (2EA)	504	FT					
2048	CS101	Excavation 4'0"x5'0"	373	CY					
2049	CS101	Native Soil Backfill 4'0"x4'0"	299	CY					
2050	CS101	4" Dia PVC Concrete Encased Conduit Ductbank (8EA)	2224	FT					
2051	CS101	Excavation 4'0"x5'0"	206	CY					
2052	CS101	Native Soil Backfill 4'0"x3'0"	124	CY					
2053	CS101	Precast Concrete Vault Old Castle Cover No 55-332P & Vault No 504-LA & Connect Proposed Conduit Size: 4'8"x4'8"x4'0" Excavation: 5'0"x5'0"x4'6" 6" Thick Compacted Rock Bar 4'8"x4'8"	3	EA					
2054	CS101	Install SWEEP To Connect To Building	3	EA					
2055	CS101	22.5 Degree SWEEP Bends	8	EA					
2056	CS101	45 Degree SWEEP Bends	20	EA					
2057	CS101	90 Degree SWEEP Bends	2	EA					
2058	CS101	Core Through Foundation Wall & Install 90 Degree Sweep Up Through Slab On Grade	2	EA					
2059	CS101	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	719	SF					
2060	CS101	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	189	SF					
		TELECOM UTILITIES							
2061	CS102	4" Dia PVC Concrete Encased Conduit Ductbank (8EA)	1392	FT					
2062	CS102	Excavation 4'0"x5'0"	129	CY					
2063	CS102	Native Soil Backfill 4'0"x3'0"	77	CY					
2064	CS102	45 Degree SWEEP Bends	16	EA					
2065	CS102	Install SWEEP To Connect To Building	2	EA					
		TELECOM UTILITIES							
2066	CS103	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	344	FT					
2067	CS103	Excavation 4'0"x5'0"	255	CY					
2068	CS103	Native Soil Backfill 4'0"x4'0"	204	CY					
2069	CU101	4" Dia PVC Concrete Encased Conduit Ductbank (2EA)	397	FT					
2070	CU101	Excavation 4'0"x5'0"	294	CY					
2071	CU101	Native Soil Backfill 4'0"x4'0"	233	CY					
2072	CS103	4" Dia PVC Concrete Encased Conduit Ductbank (8EA)	5552	FT					
2073	CS103	Excavation 4'0"x5'0"	514	CY					
2074	CS103	Native Soil Backfill 4'0"x3'0"	308	CY					
2075	CS103	Precast Concrete Vault Old Castle Cover No 55-332P & Vault No 504-LA & Connect Proposed Conduit Size: 4'8"x4'8"x4'0" Excavation: 5'0"x5'0"x4'6" 6" Thick Compacted Rock Bar 4'8"x4'8"	3	EA					
2076	CS103	22.5 Degree SWEEP Bends	16	EA					
2077	CS103	45 Degree SWEEP Bends	10	EA					
2078	CS103	Core & Connect To Building	4	EA					
2079	CS103	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	395	SF					
2080	CS103	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	109	SF					
		TELECOM UTILITIES							
2081	CS104	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	191	FT					
2082	CS104	Excavation 4'0"x5'0"	141	CY					
2083	CS104	Native Soil Backfill 4'0"x4'0"	113	CY					
2084	CS104	4" Dia PVC Concrete Encased Conduit Ductbank (2EA)	365	FT					



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2087	CS104	4" Dia PVC Concrete Encased Conduit Ductbank (6EA)	1938	FT					
2088	CS104	Excavation 4'0"x5'0"	239	CY					
2089	CS104	Native Soil Backfill 4'0"x3'0"	144	CY					
2090	CS104	4" Dia PVC Concrete Encased Conduit Ductbank (8EA)	1552	FT					
2091	CS104	Excavation 4'0"x5'0"	144	CY					
2092	CS104	Native Soil Backfill 4'0"x3'0"	86	CY					
2093	CS104	Precast Concrete Vault Old Castle Cover No 55-332P & Vault No 504-LA & Connect Proposed Conduit Size: 4'8"x4'8"x4'0" Excavation: 5'0"x5'0"x4'6" 6" Thick Compacted Rock Bar 4'8"x4'8"	3	EA					
2094	CS104	22.5 Degree SWEEP Bends	6	EA					
2095	CS104	45 Degree SWEEP Bends	4	EA					
2096	CS104	11.25 Degree SWEEP Bends	9	EA					
2097	CS104	Core & Connect To Building	2	EA					
2098	CS104	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	769	SF					
2099	CS104	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	480	SF					
		TELECOM UTILITIES							
2100	CS105	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	573	FT					
2101	CS105	Excavation 4'0"x5'0"	424	CY					
2102	CS105	Native Soil Backfill 4'0"x4'0"	340	CY					
2103	CS105	4" Dia PVC Concrete Encased Conduit Ductbank (2EA)	476	FT					
2104	CS105	Excavation 4'0"x5'0"	353	CY					
2105	CS105	Native Soil Backfill 4'0"x4'0"	282	CY					
2106	CS105	4" Dia PVC Concrete Encased Conduit Ductbank (6EA)	2148	FT					
2107	CS105	Excavation 4'0"x5'0"	265	CY					
2108	CS105	Native Soil Backfill 4'0"x3'0"	159	CY					
2109	CS105	Precast Concrete Vault Old Castle Cover No 55-332P & Vault No 504-LA & Connect Proposed Conduit Size: 4'8"x4'8"x4'0" Excavation: 5'0"x5'0"x4'6" 6" Thick Compacted Rock Bar 4'8"x4'8"	5	EA					
2110	CS105	11.25 Degree SWEEP Bends	6	EA					
2111	CS105	45 Degree SWEEP Bends	4	EA					
2112	CS105	22.5 Degree SWEEP Bends	3	EA					
2113	CS105	Core Through Foundation Wall & Install 90 Degree Sweep Up Through Slab On Grade	5	EA					
2114	CS105	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	405	SF					
2115	CS105	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	860	SF					
		TELECOM UTILITIES							
2116	CS106	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	21	FT					
2117	CS106	Excavation 4'0"x5'0"	16	CY					
2118	CS106	Native Soil Backfill 4'0"x4'0"	12	CY					
2119	CS106	4" Dia PVC Concrete Encased Conduit Ductbank (2EA)	495	FT					
2120	CS106	Excavation 4'0"x5'0"	367	CY					
2121	CS106	Native Soil Backfill 4'0"x4'0"	293	CY					
2122	CS106	Precast Concrete Vault Old Castle Cover No 55-332P & Vault No 504-LA & Connect Proposed Conduit Size: 4'8"x4'8"x4'0" Excavation: 5'0"x5'0"x4'6" 6" Thick Compacted Rock Bar 4'8"x4'8"	2	EA					
2123	CS106	22.5 Degree SWEEP Bends	2	EA					
2124	CS106	11.25 Degree SWEEP Bends	1	EA					
2125	CS106	45 Degree SWEEP Bends	3	EA					
2126	CS106	Core & Connect to Building	1	EA					
2127	CS106	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	385	SF					

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2128	CS106	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	40	SF					
		TELECOM UTILITIES							
2129	CS107	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	382	FT					
2130	CS107	Excavation 4'0"x5'0"	283	CY					
2131	CS107	Native Soil Backfill 4'0"x4'0"	226	CY					
2132	CS107	4" Dia PVC Concrete Encased Conduit Ductbank (2EA)	554	FT					
2133	CS107	Excavation 4'0"x5'0"	410	CY					
2134	CS107	Native Soil Backfill 4'0"x4'0"	328	CY					
2135	CS107	4" Dia PVC Concrete Encased Conduit Ductbank (3EA)	309	FT					
2136	CS107	Excavation 4'0"x5'0"	76	CY					
2137	CS107	Native Soil Backfill 4'0"x4'0"	61	CY					
2138	CS107	4" Dia PVC Concrete Encased Conduit Ductbank (6EA)	1962	FT					
2139	CS107	Excavation 4'0"x5'0"	242	CY					
2140	CS107	Native Soil Backfill 4'0"x3'0"	145	CY					
2141	CS107	Precast Concrete Vault Old Castle Cover No 55-332P & Vault No 504-LA & Connect Proposed Conduit Size: 4'8"x4'8"x4'0" Excavation: 5'0"x5'0"x4'6" 6" Thick Compacted Rock Bar 4'8"x4'8"	1	EA					
2142	CS107	90 Degree SWEEP To Connect To Exterior Wall Of Building	5	EA					
2143	CS107	22.5 Degree SWEEP Bends	12	EA					
2144	CS107	45 Degree SWEEP Bends	14	EA					
2145	CS107	Core & Connect New Conduit To Existing Manhole	2	EA					
2146	CS107	90 Degree Sweep Bend	3	EA					
2147	CS107	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	182	SF					
2148	CS107	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	639	SF					
		TELECOM UTILITIES							
2149	CS108	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	256	FT					
2150	CS108	Excavation 4'0"x5'0"	190	CY					
2151	CS108	Native Soil Backfill 4'0"x4'0"	152	CY					
2152	CS108	4" Dia PVC Concrete Encased Conduit Ductbank (6EA)	2880	FT					
2153	CS108	Excavation 4'0"x5'0"	356	CY					
2154	CS108	Native Soil Backfill 4'0"x3'0"	213	CY					
2155	CS108	Precast Concrete Vault Old Castle Cover No 55-332P & Vault No 504-LA & Connect Proposed Conduit Size: 4'8"x4'8"x4'0" Excavation: 5'0"x5'0"x4'6" 6" Thick Compacted Rock Bar 4'8"x4'8"	1	EA					
2156	CS108	22.5 Degree SWEEP Bends	2	EA					
2157	CS108	11.25 Degree SWEEP Bends	12	EA					
2158	CS108	45 Degree SWEEP Bends	6	EA					
2159	CS108	90 Degree SWEEP Bends	7	EA					
2160	CS108	Core Through Foundation Wall & Install 90 Degree Sweep Up Through Slab On Grade	3	EA					
2161	CS108	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	134	SF					
2162	CS108	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	278	SF					
		TELECOM UTILITIES							
2163	CS109	4" Dia PVC Concrete Encased Conduit Ductbank (1EA)	256	FT					
2164	CS109	Excavation 4'0"x5'0"	190	CY					
2165	CS109	Native Soil Backfill 4'0"x4'0"	152	CY					
2166	CS109	4" Dia PVC Concrete Encased Conduit Ductbank (2EA)	583	FT					
2167	CS109	Excavation 4'0"x5'0"	432	CY					
2168	CS109	Native Soil Backfill 4'0"x4'0"	345	CY					
2169	CS109	4" Dia PVC Concrete Encased Conduit Ductbank (6EA)	990	FT					
2170	CS109	Excavation 4'0"x5'0"	122	CY					
2171	CS109	Native Soil Backfill 4'0"x3'0"	73	CY					



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PROJECT ID: EHRM Infrastructure Upgrades - Tennessee Valley Healthcare System, Murfreesboro
SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
2172	CS109	4" Dia PVC Concrete Encased Conduit Ductbank (8EA)	1624	FT					
2173	CS109	Excavation 4'0"x5'0"	150	CY					
2174	CS109	Native Soil Backfill 4'0"x3'0"	90	CY					
2175	CS109	45 Degree SWEEP Bends	10	EA					
2176	CS109	22.5 Degree SWEEP Bends	12	EA					
2177	CS109	90 Degree SWEEP Bends	11	EA					
2178	CS109	SWEEP Connect To Building	2	EA					
2179	CS109	Core & Connect To Existing MAnhole	4	EA					
2180	CS109	90 Degree SWEEP To Connect To Exterior Wall Of Building	1	EA					
2181	CS109	5' Wide Class B Restore Sidewalk 6" Thick ABC Aggregate Backfill	412	SF					
2182	CS109	6' Wide Restore Road 1-1/2" Thick Hot Mix Asphaltic Concrete Inlay Wearing Course Level 3 2" Thick ACP Mixture 6" Thick 3/4" Limerock Base	868	SF					
		Subtotal (Utilities)							\$0
		Total (Utilities)							\$0

SUBTOTAL									\$0
OVERHEAD & PROFIT			20.00%						\$0
INSURANCE			3.00%						\$0
CONTINGENCY			7.00%						\$0

TOTAL BASE BID									\$0
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Note: