



Date: 1/8/2021
 Project: BHSU E.Y. LIBRARY & LEARNING CENTER RENOVATION
 Project Location: O.S.E. #R0817--03X SPEARFISH, SOUTH DAKOTA,

Detailed Estimate

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL ITEM COST	TRADE COST
			DIV-01	GENERAL											\$ -
1				Permit	1	0%	1	LS						\$ -	
2				Supervision	1	0%	1	LS						\$ -	
3				Final Cleanup	1	0%	1	LS						\$ -	
4				Mobilization Cost	1	0%	1	LS						\$ -	
5				Project Overheads	1	0%	1	LS						\$ -	
6				Bonds	1	0%	1	LS						\$ -	
7				Fees (Architect & Engineer)	1	0%	1	LS						\$ -	
			DIV-26	ELECTRICAL											\$ -
				DEMOLITION							\$ -	\$ -	\$ -	\$ -	
				Wiring											
8				15 KV U.G Feeder To E.Y Berry Transformer Bh-509. Remove Conductors & Abandon This Section Of Existing Concrete Encased Orangeburg Conduit In Place	147	0%	147	FT			\$ -	\$ -	\$ -	\$ -	
9				Abandon Existing Direct Buried Lighting Circuit	71	0%	71	FT			\$ -	\$ -	\$ -	\$ -	
				Devices											
10				Demolish Disconnect Switch	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
11				Demolish VFD	6	0%	6	EA			\$ -	\$ -	\$ -	\$ -	
12				Demolish WAP	9	0%	9	EA			\$ -	\$ -	\$ -	\$ -	
13				Demolish Data Outlet	140	0%	140	EA			\$ -	\$ -	\$ -	\$ -	
14				Demolish Electrical Equipment Related To Chiller (By Owner)	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
15				Demolish Emergency Light Fixture	25	0%	25	EA			\$ -	\$ -	\$ -	\$ -	
16				Demolish Fan	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
17				Demolish Fire Alarm Annunciator	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
18				Demolish Fire Alarm Fixture	156	0%	156	EA			\$ -	\$ -	\$ -	\$ -	
19				Demolish Heat Cable	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
20				Demolish Horn/Bell	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
21				Demolish Junction Box	70	0%	70	EA			\$ -	\$ -	\$ -	\$ -	
22				Demolish Light Fixture	1414	0%	1414	EA			\$ -	\$ -	\$ -	\$ -	
23				Demolish Projector	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
24				Demolish Receptacle	519	0%	519	EA			\$ -	\$ -	\$ -	\$ -	
25				Demolish Sensor	64	0%	64	EA			\$ -	\$ -	\$ -	\$ -	
26				Demolish Speaker	16	0%	16	EA			\$ -	\$ -	\$ -	\$ -	
27				Demolish Switches	87	0%	87	EA			\$ -	\$ -	\$ -	\$ -	
28				Demolish Wall Pack Salvage For Reuse	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
29				Demolish Motors	13	0%	13	EA			\$ -	\$ -	\$ -	\$ -	
30				Demolish Strip Lights	606	0%	606	FT			\$ -	\$ -	\$ -	\$ -	
				RELOCATE / REUSE / REPLACE											
				Wiring											
31				Relocate Existing UG 15KV Primary	148	0%	148	FT			\$ -	\$ -	\$ -	\$ -	
				Devices											
32				IT Rack To Be Replaced & Relocate	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
33				Relocate Panel	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
34				Replace Duplex Receptacle W/ Circuit	22	0%	22	EA			\$ -	\$ -	\$ -	\$ -	
35				Replace Existing Elevator Disconnect With 480V, 60A, 3P, Fussed Disconnect Switch W/ Shunt Trip	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
36				Salvage And Reuse Speaker	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
37				Reuse Cell Phone Booster And Salvage	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
				New Work											

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				Conduits											
38				3/4" Dia EMT Conduit	17869	10%	19656	FT			\$ -	\$ -	\$ -	\$ -	
39				1" Dia EMT Conduit	216	10%	238	FT			\$ -	\$ -	\$ -	\$ -	
40				1-1/4" Dia EMT Conduit	194	10%	214	FT			\$ -	\$ -	\$ -	\$ -	
41				1-1/2" Dia EMT Conduit	15	10%	17	FT			\$ -	\$ -	\$ -	\$ -	
42				2" Dia EMT Conduit	180	10%	198	FT			\$ -	\$ -	\$ -	\$ -	
43				2-1/2" Dia EMT Conduit	91	10%	100	FT			\$ -	\$ -	\$ -	\$ -	
44				3" Dia EMT Conduit	199	10%	219	FT			\$ -	\$ -	\$ -	\$ -	
45				1" Dia PVC Conduit	48	10%	53	FT			\$ -	\$ -	\$ -	\$ -	
46				4" Dia PVC Conduit	70	10%	77	FT			\$ -	\$ -	\$ -	\$ -	
47				Cable Tray - 8" Width	187	10%	206	FT			\$ -	\$ -	\$ -	\$ -	
48				Cable Tray - 12" Width	240	10%	264	FT			\$ -	\$ -	\$ -	\$ -	
49				Cable Tray - 24" Width	11	10%	13	FT			\$ -	\$ -	\$ -	\$ -	
				Conductors											
50				#3/0	362.4	10%	399	FT			\$ -	\$ -	\$ -	\$ -	
51				#4/0	797	10%	877	FT			\$ -	\$ -	\$ -	\$ -	
52				#1	601	10%	661	FT			\$ -	\$ -	\$ -	\$ -	
53				#3	971	10%	1068	FT			\$ -	\$ -	\$ -	\$ -	
54				#4	199	10%	219	FT			\$ -	\$ -	\$ -	\$ -	
55				#6	235	10%	259	FT			\$ -	\$ -	\$ -	\$ -	
56				#8	150	10%	165	FT			\$ -	\$ -	\$ -	\$ -	
57				#10	9856	10%	10842	FT			\$ -	\$ -	\$ -	\$ -	
58				#12	32948	10%	36243	FT			\$ -	\$ -	\$ -	\$ -	
59				#14	7210	10%	7931	FT			\$ -	\$ -	\$ -	\$ -	
60				6 Strand Single Mode OM4 Fiber	85	10%	94	FT			\$ -	\$ -	\$ -	\$ -	
61				Life Safety Circuit	2344	10%	2579	FT			\$ -	\$ -	\$ -	\$ -	
62				Cat6 Cable	130	10%	143	FT			\$ -	\$ -	\$ -	\$ -	
				Receptacles & switches											
63				Duplex Receptacle	318	0%	318	EA			\$ -	\$ -	\$ -	\$ -	
64				Duplex Receptacle Ceiling Mounted	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
65				Duplex Receptacle W/ Case Work	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
66				Duplex Receptacle W/ Extension Ring On Existing Backbox For New Device	14	0%	14	EA			\$ -	\$ -	\$ -	\$ -	
67				Duplex Receptacle W/ Extension Ring On Existing Backbox For New Device W/ 2 USB Charging Ports	12	0%	12	EA			\$ -	\$ -	\$ -	\$ -	
68				Duplex Receptacle. GFI	15	0%	15	EA			\$ -	\$ -	\$ -	\$ -	
69				Duplex Receptacle. GFI, WC	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
70				Duplex Receptacle. GFI, WP	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
71				Duplex Receptacle. W/ 2 USB Charging Ports	43	0%	43	EA			\$ -	\$ -	\$ -	\$ -	
72				Quadplex Receptacle	35	0%	35	EA			\$ -	\$ -	\$ -	\$ -	
73				Quadplex Receptacle Floor Mounted	12	0%	12	EA			\$ -	\$ -	\$ -	\$ -	
74				Quadplex Receptacle, Floor Mounted	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
75				Quadplex Receptacle. W/ 2 USB Charging Ports	71	0%	71	EA			\$ -	\$ -	\$ -	\$ -	
76				Quadplex Receptacle. W/ 2 USB Charging Ports W/ Case Work	6	0%	6	EA			\$ -	\$ -	\$ -	\$ -	
77				Quadplex Receptacle. W/ 2 USB Charging Ports, Floor Mounted	43	0%	43	EA			\$ -	\$ -	\$ -	\$ -	
78				Special Purpose Outlet	6	0%	6	EA			\$ -	\$ -	\$ -	\$ -	
79				Switch, Label As "Termosphere"	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
80				Up-Down-Stop Switch. (By Equipment Supplier)	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
				Fire Alarm Devices											
81				Carbon Mono-oxide Detector	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
82				Duct Mounted Smoke Detector	6	0%	6	EA			\$ -	\$ -	\$ -	\$ -	
83				Fire Alarm Annunciator	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
84				Fire Alarm Horn And Strobe, 110 Candela, In Sleeping Area, Top Of Lens Not Less Than 24" Below Ceiling	30	0%	30	EA			\$ -	\$ -	\$ -	\$ -	
85				Fire Alarm Horn And Strobe, 15 Candela, In Sleeping Area, Top Of Lens Not Less Than 24" Below Ceiling	11	0%	11	EA			\$ -	\$ -	\$ -	\$ -	
86				Fire Alarm Horn And Strobe, 30 Candela, In Sleeping Area, Top Of Lens Not Less Than 24" Below Ceiling	5	0%	5	EA			\$ -	\$ -	\$ -	\$ -	
87				Fire Alarm Horn And Strobe, 75 Candela, In Sleeping Area, Top Of Lens Not Less Than 24" Below Ceiling	13	0%	13	EA			\$ -	\$ -	\$ -	\$ -	
88				Fire Alarm Horn And Strobe, In Sleeping Area, Top Of Lens Not Less Than 24" Below Ceiling, WP	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
89				Flow Switch	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
90				Manual Station	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
91				Monitor Module	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
92				Smoke Detector-Photoelectric	8	0%	8	EA			\$ -	\$ -	\$ -	\$ -	

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93				Smoke Detector-Photoelectric (By Fire Sprinkler Contactor)	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
94				Strobe, 15 Candela, In Sleeping Areas, Top Of Lens Not Less Than 24" Below Ceiling	60	0%	60	EA			\$ -	\$ -	\$ -	\$ -	
95				Strobe, 30 Candela, In Sleeping Areas, Top Of Lens Not Less Than 24" Below Ceiling	8	0%	8	EA			\$ -	\$ -	\$ -	\$ -	
96				Strobe, 75 Candela, In Sleeping Areas, Top Of Lens Not Less Than 24" Below Ceiling	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
97				Tamper Switch	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
				Signal & System Devices											
98				Closed Circuit TV Camera	5	0%	5	EA			\$ -	\$ -	\$ -	\$ -	
99				Data Outlet	71	0%	71	EA			\$ -	\$ -	\$ -	\$ -	
100				Data Outlet/Data Outlet	92	0%	92	EA			\$ -	\$ -	\$ -	\$ -	
101				Floor Outlet	29	0%	29	EA			\$ -	\$ -	\$ -	\$ -	
102				IT Rack	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
103				Wireless Access Point, 2 Cable To Location	23	0%	23	EA			\$ -	\$ -	\$ -	\$ -	
				Security Devices											
104				ADA Interlock Relay For Access Permission	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
105				Card Reader	18	0%	18	EA			\$ -	\$ -	\$ -	\$ -	
106				Door Contact	23	0%	23	EA			\$ -	\$ -	\$ -	\$ -	
107				Power Supply	5	0%	5	EA			\$ -	\$ -	\$ -	\$ -	
				Disconnect Switches											
108				Disconnect Switch, 480V, 3P, 200A, Dussed W/ Shunt Trip, (2) No/NC Contacts, 125 A Fuse	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
				Electrical Panels											
109				PANEL: P12, 120/208V, 3P, 4W, 225A, MLO, Flush Mounted	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
110				PANEL: P13, 120/208V, 3P, 4W, 225A, MLO, Flush Mounted	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
111				Archives Preaction Sprinkler Flow Control Panel	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
112				New TC Panel (Details Not Mentioned)	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
				Fuse											
113				Fuse: 125A, Type LPS	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
114				Fuse: 15A, Type LPS	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
115				Fuse: 200A, Type LPN	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
116				Fuse: 20A, Type LPS	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
117				Fuse: 25A, Type LPS	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
118				Fuse: 35A, Type LPS	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
				Circuit Breaker											
119				CCT B: 15A, 1P	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
120				CCT B: 20A, 1P	125	0%	125	EA			\$ -	\$ -	\$ -	\$ -	
121				CCT B: 20A, 2P	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
122				CCT B: 20A, 1P, GFCI	9	0%	9	EA			\$ -	\$ -	\$ -	\$ -	
123				CCT B: 15A, 1P, GFCI	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
				Light Fixtures											
124				AF2, FEATURES: 2'X4', 4000L FLAT PANEL LED, VOLTS: 120/277, MOUNTING: LAT-IN, MFR.: ILLUM SYS-METALLUX, CATALOG NUMBER: 24FP-47-40-A3/8-50/18G, MAX WATTS INTO FIXTURE: 41, MIN LUMENS OUT OF FIXTURE: 3492	66	0%	66	EA			\$ -	\$ -	\$ -	\$ -	
125				FIXTURE TYPE: CF3, FEATURES: 2'X2', 3000L FLAT PANEL LED, VOLTS: 120/277, MOUNTING: LAT-IN, MFR.: MLAZGAR-COLUMBIA LTG, CATALOG NUMBER: SRP22-40MLG-EOU, MAX WATTS INTO FIXTURE: 36, MIN LUMENS OUT OF FIXTURE: 2619	171	0%	171	EA			\$ -	\$ -	\$ -	\$ -	
126				FIXTURE TYPE: CF4, FEATURES: 2'X2', 4000L FLAT PANEL LED, VOLTS: 120/277, MOUNTING: LAT-IN, MFR.: MLAZGAR-REVOLUTION LTG, CATALOG NUMBER: G2ETP-20-40-F-40-0, MAX WATTS INTO FIXTURE: 43, MIN LUMENS OUT OF FIXTURE: 3492	221	0%	221	EA			\$ -	\$ -	\$ -	\$ -	
127				FIXTURE TYPE: EXA, FEATURES: LED SINGLE/DOUBLE SIDED EXIT LIGHT, AC OPERATION ONLY., VOLTS: 120/277, MOUNTING: SURFACE, MFR.: ILLUM SYS- SURE-LITES, CATALOG NUMBER: LPX-8, MAX WATTS INTO FIXTURE: N/A, MIN LUMENS OUT OF FIXTURE: N/A	16	0%	16	EA			\$ -	\$ -	\$ -	\$ -	
128				FIXTURE TYPE: F22, FEATURES: 2', 2000L LOW PROFILE STEEL STRIP FIXRURE, VOLTS: 120/277, MOUNTING: SURFACE, MFR.: MLAZGAR-COLUMBIA LTG, CATALOG NUMBER: MPS-2-40-MTW-F-W-ED-U, MAX WATTS INTO FIXTURE: 24, MIN LUMENS OUT OF FIXTURE: 2114	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
129				FIXTURE TYPE: F44, FEATURES: 4', 4000L LOW PROFILE STEEL STRIP FIXRURE, VOLTS: 120/277, MOUNTING: SURFACE, MFR.: MLAZGAR-COLUMBIA LTG, CATALOG NUMBER: MPS-4-40-LW-F-W-LD-U, MAX WATTS INTO FIXTURE: 42, MIN LUMENS OUT OF FIXTURE: 3596	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
130				FIXTURE TYPE: H41, FEATURES: 6", ADJUSTABLE CCT/LUMEN LED DOWNLIGHT, VOLTS: 120/277, MOUNTING: RECESSED, MFR.: WYOMING LTG-PACLIGHTS, CATALOG NUMBER: FDLA-06-D-16-8-W (FACTORY ADJUSTED TO 4000K/8W), MAX WATTS INTO FIXTURE: 8, MIN LUMENS OUT OF FIXTURE: 670	36	0%	36	EA			\$ -	\$ -	\$ -	\$ -	

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131				FIXTURE TYPE: H415, FEATURES: 6", ADJUSTABLE CCT/LUMEN LED DOWNLIGHT, VOLTS: 120/277, MOUNTING: RECESSED, MFR.: WYOMING LTG-PACLIGHTS, CATALOG NUMBER: FDLA-06-D-16-8-W (FACTORY ADJUSTED TO 4000K/12W), MAX WATTS INTO FIXTURE: 12, MIN LUMENS OUT OF FIXTURE: 1006	103	0%	103	EA			\$ -	\$ -	\$ -	\$ -	
132				FIXTURE TYPE: H42, FEATURES: 6", ADJUSTABLE CCT/LUMEN LED DOWNLIGHT, VOLTS: 120/277, MOUNTING: RECESSED, MFR.: WYOMING LTG-PACLIGHTS, CATALOG NUMBER: FDLA-06-D-16-8-W (FACTORY ADJUSTED TO 4000K/16W), MAX WATTS INTO FIXTURE: 16, MIN LUMENS OUT OF FIXTURE: 1331	63	0%	63	EA			\$ -	\$ -	\$ -	\$ -	
133				FIXTURE TYPE: H42A, FEATURES: 4" 2000L ADJUSTABLE LED DOWNLIGHT, VOLTS: 120/277, MOUNTING: RECESSED, MFR.: WYOMING LTG - MAXILUME, CATALOG NUMBER: HH4ADJ LED-2000L-DIM10-MVOLT-WD-40K-80+HH4ADJ-4555-CL-WH, MAX WATTS INTO FIXTURE: 32, MIN LUMENS OUT OF FIXTURE: 1702	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
134				H28A, Details Not Given.	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
				Decorative Pendant											
135				FIXTURE TYPE: P1, FEATURES: 4" DIAMETER MAIN SERVICE DESK DECORATIVE LED PENDANT, VOLTS: 120, MOUNTING: PENDANT, MFR.: TECH LIGHTING, CATALOG NUMBER: MINI SIGNAL-700-MP-WI-S, MAX WATTS INTO FIXTURE: 30, MIN LUMENS OUT OF FIXTURE: 698	6	0%	6	EA			\$ -	\$ -	\$ -	\$ -	
136				FIXTURE TYPE: P2, FEATURES: CAFÉ SERVING COUNTER DECORATIVE PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: CAMMAN LIGHTING, CATALOG NUMBER: P710S-12-40K-CLV-MV-WP-PNL-ST, MAX WATTS INTO FIXTURE: 15, MIN LUMENS OUT OF FIXTURE: 1310	5	0%	5	EA			\$ -	\$ -	\$ -	\$ -	
137				FIXTURE TYPE: P3, FEATURES: CAFÉ SEATING DECORATIVE PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: MARSET, CATALOG NUMBER: PLEAT BOX-24, MAX WATTS INTO FIXTURE: 11, MIN LUMENS OUT OF FIXTURE: 960	5	0%	5	EA			\$ -	\$ -	\$ -	\$ -	
138				FIXTURE TYPE: P4, FEATURES: MAIN LEVEL OPEN SEATING AREAS PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: ATLANTIC LTG, CATALOG NUMBER: PLED614-B60-VR35-4K-WH-WH-FC, MAX WATTS INTO FIXTURE: 36, MIN LUMENS OUT OF FIXTURE: 2731	13	0%	13	EA			\$ -	\$ -	\$ -	\$ -	
139				FIXTURE TYPE: P5, FEATURES: 6" DIAMETER HALO PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: OCL, CATALOG NUMBER: SL1-PIEM-72-MW-MWP-LED1-40K-UNV-XX-DM1, MAX WATTS INTO FIXTURE: 185, MIN LUMENS OUT OF FIXTURE: 13828	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
140				FIXTURE TYPE: P6, FEATURES: 8" DIAMETER HALO PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: OCL, CATALOG NUMBER: SL1-PIEM-96-MW-MWP-LED1-40K-UNV-XX-DM1, MAX WATTS INTO FIXTURE: 258, MIN LUMENS OUT OF FIXTURE: 18770	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
141				FIXTURE TYPE: P7, FEATURES: 10" DIAMETER HALO PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: OCL, CATALOG NUMBER: SL1-PIEM-120-MW-MWP-LED1-40K-UNV-XX-DM1, MAX WATTS INTO FIXTURE: 319, MIN LUMENS OUT OF FIXTURE: 23274	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
142				FIXTURE TYPE: P8, FEATURES: OPEN SEATING 203 DECORATIVE PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: LUXBOX, CATALOG NUMBER: VAPOR ECHO-LX-VE-M-C-40-D-UNV-CD, MAX WATTS INTO FIXTURE: 117, MIN LUMENS OUT OF FIXTURE: 7857	6	0%	6	EA			\$ -	\$ -	\$ -	\$ -	
143				FIXTURE TYPE: P9, FEATURES: BOOK STACKS-200 DECORATIVE PENDANT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: PABLO, CATALOG NUMBER: SOLIS DRUM-24-SLV-4000K, MAX WATTS INTO FIXTURE: 36, MIN LUMENS OUT OF FIXTURE: 2183	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
144				FIXTURE TYPE: PB-8, FEATURES: 4 INCH WIDE x 8FT, LENSED SLOT FIXTURE, FLAT STEEL, 575 LUMENS/FT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DP-C-575D-80-40-X-X-8F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 5 W/FT, MIN LUMENS OUT OF FIXTURE: 502 LM/FT	12	0%	12	EA			\$ -	\$ -	\$ -	\$ -	
145				FIXTURE TYPE: PC-12, FEATURES: 4 INCH WIDE x 12FT, LENSED SLOT FIXTURE, FLAT STEEL, 795 LUMENS/FT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DP-C-795D-80-40-X-X-8F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 7 W/FT, MIN LUMENS OUT OF FIXTURE: 694 LM/FT	7	0%	7	EA			\$ -	\$ -	\$ -	\$ -	
146				FIXTURE TYPE: PD-2, FEATURES: 4 INCH WIDE x 2FT, LENSED SLOT FIXTURE, FLAT STEEL, 1020 LUMENS/FT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DP-C-1020D-80-40-X-X-2F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 9 W/FT, MIN LUMENS OUT OF FIXTURE: 890 LM/FT	21	0%	21	EA			\$ -	\$ -	\$ -	\$ -	
147				FIXTURE TYPE: PD-4, FEATURES: 4 INCH WIDE x 4FT, LENSED SLOT FIXTURE, FLAT STEEL, 1020 LUMENS/FT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DP-C-1020D-80-40-X-X-4F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 9 W/FT, MIN LUMENS OUT OF FIXTURE: 890 LM/FT	12	0%	12	EA			\$ -	\$ -	\$ -	\$ -	
148				FIXTURE TYPE: PD-8, FEATURES: 4 INCH WIDE x 8FT, LENSED SLOT FIXTURE, FLAT STEEL, 1020 LUMENS/FT, VOLTS: 120/277, MOUNTING: PENDANT, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DP-C-1020D-80-40-X-X-8F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 9 W/FT, MIN LUMENS OUT OF FIXTURE: 890 LM/FT	20	0%	20	EA			\$ -	\$ -	\$ -	\$ -	
149				FIXTURE TYPE: RC-4, FEATURES: 4 INCH WIDE x 4FT, LENSED SLOT FIXTURE, FLAT STEEL, 795 LUMENS/FT, VOLTS: 120/277, MOUNTING: LAY-IN / RECESSED, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DR-S-795D-80-40-X-X-4F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 7 W/FT, MIN LUMENS OUT OF FIXTURE: 694 LM/FT	13	0%	13	EA			\$ -	\$ -	\$ -	\$ -	
150				FIXTURE TYPE: RD-2, FEATURES: 4 INCH WIDE x 2FT, LENSED SLOT FIXTURE, FLAT STEEL, 1020 LUMENS/FT, VOLTS: 120/277, MOUNTING: LAY-IN / RECESSED, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DR-S-1020D-80-40-X-X-2F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 9 W/FT, MIN LUMENS OUT OF FIXTURE: 890 LM/FT	96	0%	96	EA			\$ -	\$ -	\$ -	\$ -	
151				FIXTURE TYPE: RD-4, FEATURES: 4 INCH WIDE x 4FT, LENSED SLOT FIXTURE, FLAT STEEL, 1020 LUMENS/FT, VOLTS: 120/277, MOUNTING: LAY-IN / RECESSED, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DR-S-1020D-80-40-X-X-4F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 9 W/FT, MIN LUMENS OUT OF FIXTURE: 890 LM/FT	120	0%	120	EA			\$ -	\$ -	\$ -	\$ -	

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL ITEM COST	TRADE COST
152				FIXTURE TYPE: RD-8, FEATURES: 4 INCH WIDE x 8FT, LENSED SLOT FIXTURE, FLAT STEEL, 1020 LUMENS/FT, VOLTS: 120/277, MOUNTING: LAY-IN / RECESSED, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DR-5-1020D-80-40-X-X-4F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 9 W/FT, MIN LUMENS OUT OF FIXTURE: 890 LM/FT	13	0%	13	EA			\$ -	\$ -	\$ -	\$ -	
153				FIXTURE TYPE: RE-4, FEATURES: 4 INCH WIDE x 4FT, LENSED SLOT FIXTURE, FLAT STEEL, 1195 LUMENS/FT, VOLTS: 120/277, MOUNTING: LAY-IN / RECESSED, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DR-5-1195D-80-40-X-X-4F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 11 W/FT, MIN LUMENS OUT OF FIXTURE: 1043 LM/FT	7	0%	7	EA			\$ -	\$ -	\$ -	\$ -	
154				FIXTURE TYPE: RE-8, FEATURES: 4 INCH WIDE x 8FT, LENSED SLOT FIXTURE, FLAT STEEL, 1195 LUMENS/FT, VOLTS: 120/277, MOUNTING: LAY-IN / RECESSED, MFR.: ILLUM SYS - NEORAY, CATALOG NUMBER: S124DR-5-1195D-80-40-X-X-8F0-1-U-DD-F-W, MAX WATTS INTO FIXTURE: 11 W/FT, MIN LUMENS OUT OF FIXTURE: 1043 LM/FT	17	0%	17	EA			\$ -	\$ -	\$ -	\$ -	
				Lighting Control							\$ -	\$ -	\$ -	\$ -	
155				CM2, TECHNOLOGY: MULTI-TECH, MINIMUM SENSOR COVERAGE: 800 SQ FT @ 360 deg., VOLTS: 24VDCMOUNTING: CEILING, MFR.: GREENGATE, CATALOG NUMBER: OAC-DT-1000-R, TIME-OFF DELAY: 10-30 MIN ADJUSTABLE COMMISSION TO: 10 MIN	40	0%	40	EA			\$ -	\$ -	\$ -	\$ -	
156				CM3, TECHNOLOGY: MULTI-TECH, MINIMUM SENSOR COVERAGE: 1500 SQ FT @ 360 deg., VOLTS: 24VDCMOUNTING: CEILING, MFR.: LEVITON, CATALOG NUMBER: OSC20-MOW, TIME-OFF DELAY: 10-30 MIN ADJUSTABLE COMMISSION TO: 10 MIN	30	0%	30	EA			\$ -	\$ -	\$ -	\$ -	
157				XP, TECHNOLOGY: PIR (SINGLE-POLE RELAY), MINIMUM SENSOR COVERAGE: 1600 SQ FT @ 180 deg., VOLTS: 120/277VACMOUNTING: WALL SWITCH, MFR.: LUTRON, CATALOG NUMBER: LOS-WIR-WH, TIME-OFF DELAY: 10-30 MIN ADJUSTABLE COMMISSION TO: 10 MIN	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
158				XPdm, TECHNOLOGY: PIR (0-10 DIMMING), MINIMUM SENSOR COVERAGE: 1000 SQ FT @ 180 deg., VOLTS: 120/277VACMOUNTING: WALL SWITCH, MFR.: SENSOR SWITCH, CATALOG NUMBER: WSXD-GY, TIME-OFF DELAY: 10-30 MIN ADJUSTABLE COMMISSION TO: 10 MIN	21	0%	21	EA			\$ -	\$ -	\$ -	\$ -	
159				PB, TECHNOLOGY: POWER BASE (40mA OUTPUT)/ COMPATIBLE WITH ANY LEVITON LOW-VOLTAGE SENSOR, VOLTS: 120/277VACMOUNTING: CEILING BOX, MFR.: LEVITON, CATALOG NUMBER: OPB15-oDW	40	0%	40	EA			\$ -	\$ -	\$ -	\$ -	
160				PP, TECHNOLOGY: POWER PACK (150mA OUTPUT) POWER PACK (225mA OUTPUT) COMPATIBLE WITH ANY LEVITON LOW-VOLTAGE SENSOR, VOLTS: 120/220/277VACMOUNTING: JUNCTION BOX, MFR.: LEVITON, CATALOG NUMBER: OPP20-D2	11	0%	11	EA			\$ -	\$ -	\$ -	\$ -	
				Relay, Switches & Fixtures											
161				A: UNITARY LIGHTING RELAY (3A)	138	0%	138	EA			\$ -	\$ -	\$ -	\$ -	
162				S: SINGLE POLE SWITCH	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
163				S^D: DIMMER SWITCH	78	0%	78	EA			\$ -	\$ -	\$ -	\$ -	
164				WALL MOUNTED FIXTURE DESIGNATION	2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	
				Misc. Items											
165				12x12x6 Fiber Termination Box	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
166				200A, 15KV Loadbreak Elbow	3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	
SUB TOTAL														\$ -	\$ -
INSURANCE									0%		\$ -	\$ -	\$ -	\$ -	
OVERHEAD AND PROFIT									20%		\$ -	\$ -	\$ -	\$ -	
TOTAL BASE BID														\$ -	\$ -