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MEMORANDUM

To: Bidding Contractors
From: Jonathan Katz, PE
Date: June 1, 2021
Project: NCPS, Lighting Upgrade RFP#2021-03
Project No.: NNEC0005.00
Subject: Addendum #1 / Bid RFIs

Please see below for the RFIs received during the bid phase, and responses:

- A. This Addendum is issued pursuant to the subject RFP . This Addendum serves to clarify, revise, and supersede information provided in the RFP document and Attachments, and any previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. This Addendum includes the following attached Documents, and listed summary of changes:
1. Revised Bid Form and Unit Pricing Sheet
 - a. Added Addenda Acknowledgement
 - b. Added Exit Signs X1, X2
 - c. Added Type F, F EM, G, G EM to Saxe MS
 - d. Added Type U, UE and GE to NCHS
 2. Revised RFP Attachment A – Lighting Inventory (Saxe MS and NCHS)
 - a. Added Exit Signs quantities
 - b. Added Type F, F EM, G, G EM to Saxe MS - *Note revised quantities of A and A EM.*
 - c. Added Type U, UE and GE to NCHS
 3. Revised RFP Attachment C – Lighting Fixture Schedule (Saxe MS and NCHS)
 - a. Added Exit Signs X1 and X2
 - b. Added Type F, F EM, G, G EM to Saxe MS
 - c. Added Type U, UE and GE to NCHS
- D. RFI Responses:

Q1: Can New Canaan please share the excel worksheets contained in the RFP? A PDF conversion is not serviceable and required this data if to develop a reasonable cost presentation. We have obtained the building RCD's.

A1: *Yes, this was shared with bid walk attendees. Please e-mail jkatz@olace.com if needed to obtain the Excel file.*

Q2: RFP page 21 of 112: "(audited) much of the lighting to be replaced under this project and the results of that audit are included in the technical documents with this RFP." Is the installing vendor to assume the audit as complete? If not, what is the level of confidence the engineering team has in that all the luminaires are identified for the project? We understand that there is a request for unit costs and will provide.

A2: For the purpose of the bid proposal, we anticipate bidder should use the quantities provided in Attachment A. Differences noted during the shop drawing phase will be added to the contract at the unit price provided in the bid form.

Q3: Please confirm the number of switches for the rooms that need to be changed out. We can provide a unit cost in the proposal. Is this information required/requested?

A3: It is expected that each room that is part of the scope of work will receive new digital control switches, as determined during the design/shop drawing phase. Provide new digital control switches for each space, new control switches generally to be at the existing locations, as shown on the lighting Reference drawings. At a minimum, new wall switches shall have functions for manual on/manual off/dimming of each zone.

Q4: The proposal notes 2 days from letter of intent to Eversource submission after the letter of intent. The input task for the two buildings is significant and error prone if done at this speed with out peer review. Could NCPS extend this to 4 working days or June 24th? A complete submission acceptance through the "Amplify" lighting system should take only a day or two with Eversource and a day or 2 with signatures.

A4: The Owner's requirement is that the Eversource LOA be issued no later than June 30th, for project to be eligible for bonus incentive program.

Q5: RFP page 74 of 112 – Section 260519 – 3.8 Field Quality Control: Infrared Scanning requirement & Reporting: Please confirm this is a required part of the contract.

A5: Yes, if design requires and as applicable. No. 3 AWG conductors and larger will not likely be required anywhere.

Q6: Can NCPS share emergency circuiting drawings and are the lighting systems in the supported and backed up with an emergency generator?

A6: All EM fixtures are to be battery backup type.

Q7: RFP page 93 of 112: Start of service: A.3. We assume that the LED's will not need a 100 hour Burn in @ 100 % exercise. Please confirm.

A7: Contractor to follow manufacturers installation instructions.

Q8: RFP page 97 of 112: Maintenance Materials: A.1 lamps – Please advise how to satisfy this requirement.

A8: This requirement shall be removed from the specification.

Q9: RFP page 99 of 112: 2.2.B - Luminaire requirements: Please review and advise label requirements for LED installation.

A9: This is not applicable to the types of fixtures called for.

Q10: RFP page 99 of 112: 2.2. F- Luminaire requirements: I California Title 24 compliant required? Please confirm.

A10: This requirement shall be removed from the specification.

Q11: Please confirm that the Town of New Canaan is not expecting user replaceable LED lamps. As called out in Section 265119-5 through 265119-11.

A11: No, this is not expected or applicable to the fixture types called for.

Q12: Please confirm the hours of operation that the school lighting system is operating a year for the savings calculations and the potential incentive. Otherwise, the Eversource lighting hours default number will be used as outlined in the 2021 CT Program Savings Document.

A12: The hours of operation of the school lighting is 6:00 AM to 6:00 PM.

Company Name: _____

Address: _____

Email: _____ Phone: _____

Name: _____ Title: _____

Signature: _____ Date: _____

B. BID FORM SUPPLEMENT

1) This form is required to be attached to the Bid Form.

The undersigned Bidder proposes the amounts below be added to or deducted from the Contract Sum on performance and measurement of the individual items of Work and for adjustment of the quantity given in the Unit-Price Allowance for the actual measurement of individual items of the Work.

If the unit price does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

2) UNIT PRICES

Unit prices requested below shall include all materials, labor, design, equipment, controls, integration, training, and for the requested lighting fixtures added or deducted from the base scope of work.

3) ACKNOWLEDGEMENT OF ADDENDA

(a) The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

- (i) Addendum No. 1, dated _____.
- (ii) Addendum No. __, dated _____.
- (iii) Addendum No. __, dated _____.

2) UNIT PRICES (cont'd)

New Canaan High School

Fixture Designation	Base Project Unit Price	Add. Alt. #1 Unit Price
A	\$	\$
AE	\$	\$
A1	\$	\$
A1E	\$	\$
B	\$	\$
BE	\$	\$
C	\$	\$
CE	\$	\$
D	\$	\$
DE	\$	\$
F	\$	-
FE	\$	-
F1	\$	-
F1E	\$	-
F3	\$	-
F3E	\$	-
F4	\$	-
GE	\$	\$
H	\$	\$
HE	\$	\$
H1	\$	\$
K1	\$	-
K1E	\$	-
K2	\$	-
L	\$	\$
LE	\$	\$
L1	\$	\$
L1E	\$	\$
L2	\$	\$
L3	\$	\$
L5	\$	\$
U	\$	-
UE	\$	-
X1	\$	-
X2	\$	-

Saxe Middle School

Fixture Designation	Base Project Unit Price	Add. Alt. #1 Unit Price
A EM	\$	\$
A	\$	\$
B EM	\$	\$
B	\$	\$
C EM	\$	\$
C	\$	\$
D	\$	\$
E	\$	-
F	\$	-
F EM	\$	-
G	\$	\$
G EM	\$	\$
X1	\$	-
X2	\$	-

Attachment A: High School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture	Lighting Inventory																									X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Ceiling or Wall VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W																		
		L1 (LED Downlight)	L1E (LED Downlight)	L (LED Downlight)	LE (LED Downlight)	L2 (Downlight)	L3 (LED Downlight)	L5 (LED Downlight)	F (LED 4' linear)	FE (LED 4' linear)	F1 (LED 4' linear)	F1E (LED 4' linear)	F3 (LED 4' linear)	F3E (LED 4' linear)	F4 (LED 4' linear)	C Retrofit (2x4 LED)	CE Retrofit (2x4 LED)	C (2x4 LED)	CE (2x4 LED)	HE (2x2 LED)	H (2x2 LED)	H1 (2x2 LED)	A (Retrofit 2x4 LED)	AE (Retrofit 2x4 LED)	A (2x4 LED)	AE (2x4 LED)								A1 Retrofit (2x4 LED)	A1E Retrofit (2x4 LED)	A1 (2x4 LED)	A1E (2x4 LED)	B (2x2 LED)	BE (2x2 LED)	K1 (LED 4' linear)	K1E (LED 4' linear)	K2 (LED 4' linear)	D (2x2 LED)	DE (2x2 LED)	U (4x4 Recessed LED Fixture)	UE (4x4 Recessed LED Fixture)	GE (4' Surface Mounted LED)				
		# lamps / fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Length / fixture																																																	
		Wattage / fixture	23	23	23	23	15	23	32	24	24	26	26	25	25	25	27	27	27	27	30	30	30	32	32	32								32	32	32	32	32	34	34	25	25	25	34	34	103	103	33			
Description																																																			
F117 Mechanical											1	1																														7		66.00							
F118 Office											1	1																														4		66.00							
F119 Mechanical Access													1																													7		33.00							
F120 Girls Toilet				6																																							5		202.00						
F121 Boys Toilet				6																																							5		202.00						
F122 Athletic Director																									4																			4	✓	50.00%	128.00				
F123 Secretary																										2																		4	✓	50.00%	64.00				
F124 Workroom																										4																		1	✓	50.00%	128.00				
F125 Department Head Office																										2																		4	✓	50.00%	64.00				
F126 Vestibule				4	2																																						3		138.00						
F127 Vestibule				4	2																																						3		138.00						
Mechanical Area Above Gym (Upper Area F)											18	10																															2		924.00						
G101 Auxillary Gymnasium																																												4		0.00					
G102 Gymnasium Storage											1	1																																7		66.00					
G103 Storage											2	1																																7		99.00					
TOTAL		36	4	348	52	42	10	9	62	30	151	51	174	34	104	14	3	446	141	8	22	2	4	4	885	178	18	0	17	2	261	67	22	4	23	85	44	13	12	3	202	59	229		86		123,775				

Attachment A: Middle School Lighting Inventory - Existing (Addendum 1)

Room Name	Fixture	A EM (2 Lamp 4' T8 Pendant)	A (2 Lamp 4' T8 Pendant)	B EM (2 Lamp T8 2x4)	B (2 Lamp T8 2x4)	C EM (3 Lamp T8 2x4 Parabolic)	C (3 Lamp T8 2x4 Parabolic)	D (4 Lamp 4' T8)	E (Downlights)	F EM 2 Lamp 4' T8 Cove Lighting (Restrooms)	F 2 Lamp 4' T8 Cove Lighting (Restrooms)	G EM 2 Lamp 4' T8 Surface Mounted (Stairs)	G 2 Lamp 4' T8 Surface Mounted (Stairs)	Existing 1-Sided Exit Sign	Existing 2-Sided Exit Sign	Existing Ceiling or Wall Vacancy Sensor	Design W	
		# lamp / fixture	2	2	2	2	3	3	4	1	2	2	2	2				
		length / fixture	4	4	4	4	4	4	4		4	4	4	4				
		Wattage / fixture	64	64	64	64	96	96	128	40	64	64	64	64				
L228 Unfinished			23		4			4						2			2,240.00	
L229 Mens Toilet	counted in 228																0.00	
L230 Womens Toilet	counted in 228																0.00	
L231 Corridor																	0.00	
L232 Team Room																	0.00	
L233 Team Room																	0.00	
L234 Corridor				3	4									7			448.00	
S-7 Stair												2	0				0.00	
L301 Classroom			12													✓	768.00	
L302 Classroom			12													✓	768.00	
L303 Corridor				1	2												192.00	
L304 Storage			3														192.00	
L305 Storage			4														256.00	
L306 Storage			13														832.00	
L307 Crawl Space																	0.00	
L401 Toilet										1	0						0.00	
L402 Storage			3														192.00	
L403 Corridor				1	2									1			192.00	
L404 Storage			4														256.00	
L405 Storage			4														256.00	
L406 Storage			2														128.00	
L407 Xerox / Supply					11												704.00	
L408 Storage	counted in 417 corirdor																0.00	
L409 Toilet										1	1						0.00	
L410 Toilet										1	1						0.00	
L411 Storage	already counted																0.00	
L412 Lockers				1	1						2						128.00	
L413 Shower										1	0						0.00	
L414 Storage	counted in lockers																0.00	
L415 Tech Repair		1	4														320.00	
L415A Storage			2														128.00	
L417 Corridor				2	2												256.00	
L418 Corridor	counted in other corridor													4			0.00	
M101 Classroom			12													✓	768.00	

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Room Name	Fixture	A EM (2 Lamp 4' T8 Pendant)	A (2 Lamp 4' T8 Pendant)	B EM (2 Lamp T8 2x4)	B (2 Lamp T8 2x4)	C EM (3 Lamp T8 2x4 Parabolic)	C (3 Lamp T8 2x4 Parabolic)	D (4 Lamp 4' T8)	E (Downlights)	F EM 2 Lamp 4' T8 Cove Lighting (Restrooms)	F 2 Lamp 4' T8 Cove Lighting (Restrooms)	G EM 2 Lamp 4' T8 Surface Mounted (Stairs)	G 2 Lamp 4' T8 Surface Mounted (Stairs)	Existing 1-Sided Exit Sign	Existing 2-Sided Exit Sign	Existing Ceiling or Wall Vacancy Sensor	Design W	
		# lamp / fixture	2	2	2	2	3	3	4	1	2	2	2	2				
		length / fixture	4	4	4	4	4	4	4		4	4	4	4				
		Wattage / fixture	64	64	64	64	96	96	128	40	64	64	64	64				
M102 Classroom			12													✓	768.00	
M103 Classroom			12													✓	768.00	
M104 Science		2	12														896.00	
M105 Girls Toilet										3	9					✓	0.00	
M106 Boys Toilet										3	9					✓	0.00	
M107 Janitor			1														64.00	
M108 Classroom			12													✓	768.00	
M109 Science		2	16													✓	1,152.00	
M110 Storage			3														192.00	
M111 Science		2	16													✓	1,152.00	
M112 Boys Toilet										2	4					✓	0.00	
M113 Team Room			2														128.00	
M114 Girls Toilet										2	4					✓	0.00	
M115 Classroom			12													✓	768.00	
M116 Corridor		2	5	5	6									5			1,152.00	
M117 Classroom			12													✓	768.00	
M118 Toilet										1	0						0.00	
M119 Alcove		1	1											1			128.00	
M120 Janitor			1														64.00	
M121 Classroom			12													✓	768.00	
M122 Special Education			12													✓	768.00	
M123 Classroom			12													✓	768.00	
M124 Classroom			12													✓	768.00	
M125 Corridor			3	4	11									1	1		1,152.00	
S-1 Stair												3	3	1			0.00	
M126 Corridor	counted in M125 Corridor														1		0.00	
M127 Corridor	already counted																0.00	
M128 Team Area					2												128.00	
M129 Team Room					2												128.00	
M130 Toilet										1	1						0.00	
M131 Science Storage			2														128.00	
M132 Data / Elec.			2														128.00	
M133 Corridor	counted in M125 Corridor																0.00	
M134 Special Education			8													✓	512.00	

Attachment A: Middle School Lighting Inventory - Existing (Addendum 1)

Room Name	Fixture	A EM (2 Lamp 4' T8 Pendant)	A (2 Lamp 4' T8 Pendant)	B EM (2 Lamp T8 2x4)	B (2 Lamp T8 2x4)	C EM (3 Lamp T8 2x4 Parabolic)	C (3 Lamp T8 2x4 Parabolic)	D (4 Lamp 4' T8)	E (Downlights)	F EM 2 Lamp 4' T8 Cove Lighting (Restrooms)	F 2 Lamp 4' T8 Cove Lighting (Restrooms)	G EM 2 Lamp 4' T8 Surface Mounted (Stairs)	G 2 Lamp 4' T8 Surface Mounted (Stairs)	Existing 1-Sided Exit Sign	Existing 2-Sided Exit Sign	Existing Ceiling or Wall Vacancy Sensor	Design W	
		# lamp / fixture	2	2	2	2	3	3	4	1	2	2	2	2				
		length / fixture	4	4	4	4	4	4	4		4	4	4	4				
		Wattage / fixture	64	64	64	64	96	96	128	40	64	64	64	64				
M135 Science		2	12													✓	896.00	
M136 Classroom			12													✓	768.00	
M137 Classroom			12													✓	768.00	
M138 Corridor																	0.00	
M201 Classroom			12													✓	768.00	
M202 Classroom			12													✓	768.00	
M203 Corridor																	0.00	
M204 Data / Elec.			1														64.00	
M205 Faculty Lounge			10						3							✓	760.00	
M205A Toilet										1	1						0.00	
M205A Data			1														64.00	
M206 Cafeteria																	0.00	
M207 Serving Area	counted in 208																0.00	
M208 Kitchen				5	22									3			1,728.00	
M209 Corridor						2	3							3			480.00	
M211 Corridor	counted in M212 corridor																0.00	
M212 Corridor				3	7									7	1		640.00	
M213 Office																	0.00	
M214 Corridor			3														192.00	
M215 Receiving				2	3												320.00	
M216 Toilet				1	1									1			128.00	
M217 Storage					2												128.00	
M218 Corridor				1	5									1			384.00	
S-2 Stair												3	3	2			0.00	
M301 Classroom			12													✓	768.00	
M302 Classroom			12													✓	768.00	
M303 Team Room							3									✓	288.00	
M304 Foreign Language Classroom			10													✓	640.00	
M305 Foreign Language Classroom			11													✓	704.00	
M306 Foreign Language Classroom			12											1		✓	768.00	
M307 Foreign Language Classroom			12													✓	768.00	
M308 Foreign Language Classroom			12													✓	768.00	
M309 Corridor				4	6												640.00	
M310 Corridor		18	18												1		2,304.00	

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Room Name	Fixture	A EM (2 Lamp 4' T8 Pendant)	A (2 Lamp 4' T8 Pendant)	B EM (2 Lamp T8 2x4)	B (2 Lamp T8 2x4)	C EM (3 Lamp T8 2x4 Parabolic)	C (3 Lamp T8 2x4 Parabolic)	D (4 Lamp 4' T8)	E (Downlights)	F EM 2 Lamp 4' T8 Cove Lighting (Restrooms)	F 2 Lamp 4' T8 Cove Lighting (Restrooms)	G EM 2 Lamp 4' T8 Surface Mounted (Stairs)	G 2 Lamp 4' T8 Surface Mounted (Stairs)	Existing 1-Sided Exit Sign	Existing 2-Sided Exit Sign	Existing Ceiling or Wall Vacancy Sensor	Design W	
		# lamp / fixture	2	2	2	2	3	3	4	1	2	2	2	2				
		length / fixture	4	4	4	4	4	4	4		4	4	4	4				
		Wattage / fixture	64	64	64	64	96	96	128	40	64	64	64	64				
M727 Rest						1	1										192.00	
M728 Tutorial						1	5										576.00	
M729 G.A.T																	0.00	
M730 G.A.T																	0.00	
M731 Kitchenette							1										96.00	
M732 Toilet										1	1						0.00	
M733 Toilet										1	1						0.00	
M734 Corridor			9											6			576.00	
M735 Lobby																	0.00	
M736 Supply								3									288.00	
M737						1	2										288.00	
M738 General Office						1	8										864.00	
M739 Corridor						2	2										384.00	
M740 Closet																	0.00	
M741 Principal							4										384.00	
M742 A.P.							4										384.00	
M743 A.P.							4										384.00	
M744 Conference							6										576.00	
M745 Vestibule																	0.00	
M746 Conference						1	3										384.00	
S-10 Stair				2	10									7			768.00	
M801 Tel. / Data																	0.00	
M802 Elec.																	0.00	
M803 Storage			1														64.00	
M804 Storage			1														64.00	
M805 Storage																	0.00	
M806 Auditorium																	0.00	
M807 Stage																	0.00	
M808 Practice room																	0.00	
M809 Corridor														2	1		0.00	
M810 Orchestra		1	3				1	6									592.00	
M811 Storage																	0.00	
M812 Storage				2													128.00	
M813 Choral		2	22													✓	1,536.00	

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Room Name	Fixture	A EM (2 Lamp 4' T8 Pendant)	A (2 Lamp 4' T8 Pendant)	B EM (2 Lamp T8 2x4)	B (2 Lamp T8 2x4)	C EM (3 Lamp T8 2x4 Parabolic)	C (3 Lamp T8 2x4 Parabolic)	D (4 Lamp 4' T8)	E (Downlights)	F EM 2 Lamp 4' T8 Cove Lighting (Restrooms)	F 2 Lamp 4' T8 Cove Lighting (Restrooms)	G EM 2 Lamp 4' T8 Surface Mounted (Stairs)	G 2 Lamp 4' T8 Surface Mounted (Stairs)	X1 Existing 1-Sided Exit Sign	X2 Existing 2-Sided Exit Sign	Existing Ceiling or Wall Vacancy Sensor	Design W	
		# lamp / fixture	2	2	2	2	3	3	4	1	2	2	2	2				
		length / fixture	4	4	4	4	4	4	4		4	4	4	4				
		Wattage / fixture	64	64	64	64	96	96	128	40	64	64	64	64				
M814 General Music			2	10												✓	768.00	
M815 General Musc			2	8												✓	640.00	
M816 Office																	0.00	
M817 Storage																	0.00	
M818 Corridor					1	1								1			128.00	
M819 Band																	0.00	
M821 Toilet																	0.00	
M822 Industrial Technology																	0.00	
M823 Corridor					4	10											896.00	
U20a Mechanical																	0.00	
U301 Work Room								3									288.00	
U301A Toilet										1	2						0.00	
U302 Auxillary Classroom				8													512.00	
U303 Corridor					2	2											256.00	
U304 Corridor					2	5								2			448.00	
U305 Computer Lab			2	14												✓	1,024.00	
U306 Computer Lab			2	14												✓	1,024.00	
U307 Upper Media Center														1	1		0.00	
U308 Corridor					2	2								2			256.00	
U309 Mechanical Room				5													320.00	
U310 Speech / Behavioral Therapy				8												✓	512.00	
U311 Elec. Data					1	2											192.00	
U311A						4											256.00	
U312 A.V Storage						3											192.00	
S-4 Stair												10	11				0.00	
S-8 Stair													4				0.00	
U601 Corridor																	0.00	
U602 Classroom					2	10										✓	768.00	
U603 Special Education						12										✓	768.00	
U604 Science Storage																	0.00	
U605 Toilet											2						0.00	
U606 Science				12												✓	768.00	
U607 Janitor				1													64.00	
U608 Girls Toilet										2	11						0.00	

Attachment A: Middle School Lighting Inventory - Existing (Addendum 1)

Room Name	Fixture	A EM (2 Lamp 4' T8 Pendant)	A (2 Lamp 4' T8 Pendant)	B EM (2 Lamp T8 2x4)	B (2 Lamp T8 2x4)	C EM (3 Lamp T8 2x4 Parabolic)	C (3 Lamp T8 2x4 Parabolic)	D (4 Lamp 4' T8)	E (Downlights)	F EM 2 Lamp 4' T8 Cove Lighting (Restrooms)	F 2 Lamp 4' T8 Cove Lighting (Restrooms)	G EM 2 Lamp 4' T8 Surface Mounted (Stairs)	G 2 Lamp 4' T8 Surface Mounted (Stairs)	Existing 1-Sided Exit Sign	Existing 2-Sided Exit Sign	Existing Ceiling or Wall Vacancy Sensor	Design W	
		# lamp / fixture	2	2	2	2	3	3	4	1	2	2	2	2				
		length / fixture	4	4	4	4	4	4	4		4	4	4	4				
		Wattage / fixture	64	64	64	64	96	96	128	40	64	64	64	64				
												2	11					
U609 Boys Toilet																	0.00	
U610 Corridor				1	6												448.00	
U611 Team Area				1	1												128.00	
U612 Team Room								3									288.00	
U613 Classroom			12													✓	768.00	
U614 Classroom			12													✓	768.00	
U615 Classroom			12													✓	768.00	
U616 Science				2	7											✓	576.00	
U617 Science Storage			2														128.00	
U618 Corridor				4	7												704.00	
U619 Classroom		2	10													✓	768.00	
U620 Classroom		2	10													✓	768.00	
U621 Classroom		2	10													✓	768.00	
U622 Classroom		2	10													✓	768.00	
Out of Lighting Scope (exit sign only)																		
L206 Vestibule														1				
M206 Cafeteria														6				
Stair S-3														4				
Electrical Mezzaine Above Cafeteria														1				
TOTAL		83	1,257	100	306	28	173	4	9	64	207	35	40	123	12	106	131,912	

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W	
	# lamp / fixture	1	1	1	1	1	1	1	1	1	1	1	1								
	length / fixture	4	4	4	4	4	4	4	4	4	4	4	4								
	Wattage / fixture	23	23	27	27	32	32	27	23	28	28	33	33								
L101 Classroom		0	12													✓	1	✓	50.00%	278.40	
L102 Classroom		0	12													✓	1	✓	50.00%	278.40	
L103 Classroom		0	12													✓	1	✓	50.00%	278.40	
L104 Science		2	10													✓	1	✓	50.00%	278.40	
L105 Girls Toilet										2	11					✓	5			360.10	
L106 Boys Toilet										2	11					✓	5			360.10	
L107 Janitor			2													✓	7			46.40	
L108 Classroom			12													✓	1	✓	50.00%	278.40	
L109 Science		2	16													✓	1	✓	50.00%	417.60	
L110 Storage			2													✓	7			46.40	
L111 Science		2	16													✓	1	✓	50.00%	417.60	
L112 Boys Toilet										1	5					✓	5			166.20	
L113 Mechanical Room		1	1													✓	7			46.40	
L114 Girls Toilet										1	5					✓	5			166.20	
L115 Classroom			12													✓	1	✓	50.00%	278.40	
L116 Corridor		2	1	5	16									4		✓	3			636.60	
L117 Classroom			12													✓	1	✓	50.00%	278.40	
L118 Toilet										1	1					✓	6			55.40	
L119 Team Room			6													✓	8	✓	50.00%	139.20	
L120 Janitor			2													✓	7			46.40	
L121 Classroom			12													✓	1	✓	50.00%	278.40	
L122 Special Education			12													✓	1	✓	50.00%	278.40	
L123 Classroom			12													✓	1	✓	50.00%	278.40	
L124 Classroom			12													✓	1	✓	50.00%	278.40	
L125 Corridor			3	4	9									2		✓	3			420.60	
L128 Team Area								2							1	✓	8	✓	50.00%	64.00	
L129 Team Room								2								✓	1	✓	50.00%	64.00	
L130 Toilet										1	1					✓	6			55.40	
L131 Science Storage											3					✓	7			83.10	
L132 Elec.			1													✓	7			23.20	
L134 Special Education			8													✓	1	✓	50.00%	185.60	
L135 Science		2	12													✓	1	✓	50.00%	324.80	
L136 Classroom			12													✓	1	✓	50.00%	278.40	
L137 Classroom			12													✓	1	✓	50.00%	278.40	

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture # lamp / fixture length / fixture Wattage / fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W		
		1	1	1	1	1	1	1	1	1	1	1	1									
		4	4	4	4	4	4	4	4		4	4	4	4								
		23	23	27	27	32	32	27	23		28	28	33	33								
L201 Classroom			12													✓	1	✓	50.00%	278.40		
L202 Classroom			12													✓	1	✓	50.00%	278.40		
L204 Elec.		1	0													✓	7			23.20		
L205 Science		2	10													✓	1	✓	50.00%	278.40		
L207 General Office						7	34							3		✓	4	✓	50.00%	1,312.00		
L214 Toilet										1	1					✓	6			55.40		
L215 Toilet										1	1					✓	6			55.40		
L218 Storage			2													✓	7			46.40		
L224 Boys Toilet										3	25					✓	5			775.60		
L225 Girls Toilet										3	25					✓	5			775.60		
L225A L.C		1	0													✓	6			23.20		
L226 Elevator Machine			2													✓	7			46.40		
L227 Classroom			6		4											✓	1	✓	50.00%	247.20		
L228 Unfinished			23		4			4						2		✓	7			749.60		
L234 Corridor				3	4									7		✓	3			189.00		
S-7 Stair												2	0			✓	3			66.00		
L301 Classroom			12													✓	1	✓	50.00%	278.40		
L302 Classroom			12													✓	1	✓	50.00%	278.40		
L303 Corridor				1	2											✓	3			81.00		
L304 Storage			3													✓	7			69.60		
L305 Storage			4													✓	7			92.80		
L306 Storage			13													✓	7			301.60		
L401 Toilet										1	0					✓	6			27.70		
L402 Storage			3													✓	7			69.60		
L403 Corridor				1	2									1		✓	3			81.00		
L404 Storage			4													✓	7			92.80		
L405 Storage			4													✓	7			92.80		
L406 Storage			2													✓	7			46.40		
L407 Xerox / Supply					11											✓	7			297.00		
L409 Toilet										1	1					✓	6			55.40		
L410 Toilet										1	1					✓	6			55.40		
L412 Lockers				1	1						2					✓	5			109.40		
L413 Shower										1	0					✓	6			27.70		
L415 Tech Repair		1	4													✓	2			116.00		

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture # lamp / fixture length / fixture Wattage / fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W	
		1	1	1	1	1	1	1	1	1	1	1	1								
		4	4	4	4	4	4	4	4		4	4	4	4							
		23	23	27	27	32	32	27	23		28	28	33	33							
L415A Storage			2													✓	7			46.40	
L417 Corridor				2	2											✓	3			108.00	
M101 Classroom			12													✓	1	✓	50.00%	278.40	
M102 Classroom			12													✓	1	✓	50.00%	278.40	
M103 Classroom			12													✓	1	✓	50.00%	278.40	
M104 Science		2	12													✓	1	✓	50.00%	324.80	
M105 Girls Toilet										3	9					✓	5			332.40	
M106 Boys Toilet										3	9					✓	5			332.40	
M107 Janitor			1													✓	7			23.20	
M108 Classroom			12													✓	1	✓	50.00%	278.40	
M109 Science		2	16													✓	1	✓	50.00%	417.60	
M110 Storage			3													✓	7			69.60	
M111 Science		2	16													✓	1	✓	50.00%	417.60	
M112 Boys Toilet										2	4					✓	5			166.20	
M113 Team Room			2													✓	8	✓	50.00%	46.40	
M114 Girls Toilet										2	4					✓	5			166.20	
M115 Classroom			12													✓	1	✓	50.00%	278.40	
M116 Corridor		2	5	5	6									5		✓	3			459.40	
M117 Classroom			12													✓	1	✓	50.00%	278.40	
M118 Toilet										1	0					✓	6			27.70	
M119 Alcove		1	1											1		✓	8			46.40	
M120 Janitor			1													✓	7			23.20	
M121 Classroom			12													✓	1	✓	50.00%	278.40	
M122 Special Education			12													✓	1	✓	50.00%	278.40	
M123 Classroom			12													✓	1	✓	50.00%	278.40	
M124 Classroom			12													✓	1	✓	50.00%	278.40	
M125 Corridor			3	4	11									1	1	✓	3			474.60	
S-1 Stair												3	3	1		✓	3			198.00	
M128 Team Area					2											✓	8	✓	50.00%	54.00	
M129 Team Room					2											✓	2			54.00	
M130 Toilet										1	1					✓	6			55.40	
M131 Science Storage			2													✓	7			46.40	
M132 Data / Elec.			2													✓	7			46.40	
M134 Special Education			8													✓	1	✓	50.00%	185.60	

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture # lamp / fixture length / fixture Wattage / fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W	
		1	1	1	1	1	1	1	1	1	1	1	1								
		4	4	4	4	4	4	4	4		4	4	4	4							
		23	23	27	27	32	32	27	23		28	28	33	33							
M135 Science		2	12													✓	1	✓	50.00%	324.80	
M136 Classroom			12													✓	1	✓	50.00%	278.40	
M137 Classroom			12													✓	1	✓	50.00%	278.40	
M201 Classroom			12													✓	1	✓	50.00%	278.40	
M202 Classroom			12													✓	1	✓	50.00%	278.40	
M204 Data / Elec.			1													✓	7			23.20	
M205 Faculty Lounge			10						3							✓	1	✓	50.00%	301.00	
M205A Toilet										1	1					✓	6			55.40	
M205A Data			1													✓	7			23.20	
M208 Kitchen				5	22									3		✓	2			729.00	
M209 Corridor						2	3							3		✓	3			160.00	
M212 Corridor				3	7									7	1	✓	3			270.00	
M214 Corridor			3													✓	3			69.60	
M215 Receiving				2	3											✓	8			135.00	
M216 Toilet				1	1									1		✓	6			54.00	
M217 Storage					2											✓	7			54.00	
M218 Corridor				1	5									1		✓	3			162.00	
S-2 Stair												3	3	2		✓	3			198.00	
M301 Classroom			12													✓	1	✓	50.00%	278.40	
M302 Classroom			12													✓	1	✓	50.00%	278.40	
M303 Team Room							3									✓	8	✓	50.00%	96.00	
M304 Foreign Language Classroom			10													✓	1	✓	50.00%	232.00	
M305 Foreign Language Classroom			11													✓	1	✓	50.00%	255.20	
M306 Foreign Language Classroom			12											1		✓	1	✓	50.00%	278.40	
M307 Foreign Language Classroom			12													✓	1	✓	50.00%	278.40	
M308 Foreign Language Classroom			12													✓	1	✓	50.00%	278.40	
M309 Corridor				4	6											✓	3			270.00	
M310 Corridor		18	18												1	✓	3			835.20	
M311 Storage			3													✓	7			69.60	
M312 Office Work Room							6									✓	4	✓	50.00%	192.00	
M313 Media Center						6	24							2		✓	1			960.00	
M314 Storage			3													✓	7			69.60	
M315 Foreign Language Lab			12													✓	1	✓	50.00%	278.40	
M316 Copying							5									✓	2			160.00	
M317 Storage																✓	7			0.00	

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture # lamp / fixture length / fixture Wattage / fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W	
		1	1	1	1	1	1	1	1	1	1	1	1								
		4	4	4	4	4	4	4	4		4	4	4	4							
		23	23	27	27	32	32	27	23		28	28	33	33							
M318 Multiple Disabilities		2	8													✓	1	✓	50.00%	232.00	
M319 Elevator Machine Room			3													✓	7			69.60	
M320 Faculty Room			9													✓	1	✓	50.00%	208.80	
S-4 Stair												12	12	2		✓	3			792.00	
M401 Foreign Language Classroom			12													✓	1	✓	50.00%	278.40	
M402 Foreign Language Classroom			12													✓	1	✓	50.00%	278.40	
M403 Science		2	12													✓	1	✓	50.00%	324.80	
M404 Storage			2													✓	7			46.40	
M406 Toilet										1	1					✓	6			55.40	
M407 Girls Toilet										2	6					✓	5			221.60	
M408 Janitor			1													✓	7			23.20	
M410 Boys Toilet										2	6					✓	5			221.60	
M411 Storage			2													✓	7			46.40	
M413 Storage			2													✓	7			46.40	
M414 Girls Locker Room				2	7									2		✓	5			243.00	
M415 Storage	includes multiple M415 storage	2	9													✓	7			255.20	
M416 Shower										1	1					✓	5			55.40	
M417 Shower										1	1					✓	5			55.40	
M418 Cust Area			5													✓	7			116.00	
M419 P.E Office							2									✓	4			64.00	
M420 Storage			2													✓	7			46.40	
M421 Storage			2													✓	7			46.40	
M422 P.E. Office							2									✓	4			64.00	
M424 Toilet										1	2					✓	6			83.10	
M425 Storage			2		10											✓	7			316.40	
M426 Boys Locker Room										2	10			1		✓	5			332.40	
M428 Corridor		2	8													✓	3			232.00	
M429 Corridor				6	11									3		✓	3			459.00	
M430 Corridor				3	14									5	1	✓	3			459.00	
S-6 Stair												3	4	2		✓	3			231.00	
M501 Gymnasium														2		✓				0.00	
M502 Storage			3													✓	7			69.60	
M504 Corridor				4	9									3		✓	3			351.00	
M507 Consumer Science		2	19													✓	1	✓	33.33%	487.20	

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture # lamp / fixture length / fixture Wattage / fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W		
		1	1	1	1	1	1	1	1	1	1	1	1									
		4	4	4	4	4	4	4	4		4	4	4	4								
		23	23	27	27	32	32	27	23		28	28	33	33								
M508 Ceramics			15													✓	1	✓	33.33%	348.00		
M509 Corridor				3	12											✓	3			405.00		
M510 Custodian		1	1													✓	7			46.40		
M512 Toilet										1	0					✓	6			27.70		
M513 Elec. Room																✓	7			0.00		
M514 Mechanical Room			10											2		✓	7			232.00		
M515 Elec. Room			2													✓	7			46.40		
M516 Garage			2													✓	7			46.40		
M517 Mechanical Room			8											1		✓	7			185.60		
M518 Storage			1													✓	7			23.20		
M519 Industrial Technology		2	12													✓	1	✓	33.33%	324.80		
M520 Janitor																✓	7			0.00		
M521 Toilet										2	3					✓	5			138.50		
M522 Toilet										2	3					✓	5			138.50		
M523 Kiln						1	1									✓	7			64.00		
M525 Toilet										1	1					✓	6			55.40		
M536 Corridor				3	9									2		✓	3			324.00		
M537 Corridor				2	2									2	1	✓	3			108.00		
M601 Corridor				3	5									1	1	✓	3			216.00		
M602 Classroom			12													✓	1	✓	50.00%	278.40		
M603 Special Education			10													✓	1	✓	50.00%	232.00		
M605 Toilet										1	1					✓	6			55.40		
M606 Science		2	12													✓	1	✓	50.00%	324.80		
M607 Janitor		1	0													✓	6			23.20		
M608 Girls Toilet										2	9					✓	5			304.70		
M609 Boys Toilet										2	9					✓	5	✓	50.00%	304.70		
M610 Corridor		1	1												1	✓	3			46.40		
M611 Team Area					3											✓	8			81.00		
M612 Team Room							6									✓	1	✓	50.00%	192.00		
M613 Classroom			12													✓	1	✓	50.00%	278.40		
M614 Classroom			12													✓	1	✓	50.00%	278.40		
M615 Classroom			12													✓	1	✓	50.00%	278.40		
M616 Science		2	12													✓	1	✓	50.00%	324.80		
M617A Data			1													✓	7			23.20		

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture # lamp / fixture length / fixture Wattage / fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W	
		1	1	1	1	1	1	1	1	1	1	1	1								
		4	4	4	4	4	4	4	4		4	4	4	4							
		23	23	27	27	32	32	27	23		28	28	33	33							
M617 Science Storage			1													✓	7			23.20	
M618 Corridor				4	11									2	1	✓	3			405.00	
M619 Classroom			12													✓	1	✓	50.00%	278.40	
M620 Classroom			12													✓	1	✓	50.00%	278.40	
M621 Classroom			12													✓	1	✓	50.00%	278.40	
M622 Classroom			12													✓	1	✓	50.00%	278.40	
S-8 Stair												2	3	1		✓	3			165.00	
M701 Opp. Center			14													✓	1	✓	50.00%	324.80	
M702 Behavior			10													✓	1	✓	50.00%	232.00	
M703 Toilet										1	2					✓	6			83.10	
M704 Toilet										1	2					✓	6			83.10	
M705 Corridor				4	9											✓	3			351.00	
M706 PPT Conference							6									✓	4			192.00	
M707 Psych							2									✓	4			64.00	
M708 S.W.							2									✓	4			64.00	
M709 Office							2									✓	4			64.00	
M710 Guidance						1	7									✓	4			256.00	
M712 Office							2									✓	4			64.00	
M713 Office							2									✓	4			64.00	
M714 Storage			2													✓	7			46.40	
M717 Office							3									✓	4	✓	50.00%	96.00	
M717A Office							2									✓	4	✓	50.00%	64.00	
M720 O.T						1	2									✓	2			96.00	
M721 Toilet										1	1					✓	6			55.40	
M722 Waiting						1	1									✓	4			64.00	
M723 Exam						1	1									✓	4			64.00	
M726 Nurse's Office						1	1									✓	4			64.00	
M727 Rest						1	1									✓	4			64.00	
M728 Tutorial						1	5									✓	2			192.00	
M731 Kitchenette							1									✓	4			32.00	
M732 Toilet										1	1					✓	6			55.40	
M733 Toilet										1	1					✓	6			55.40	
M734 Corridor			9											6		✓	3			208.80	
M736 Supply							3									✓	7			96.00	

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W		
		# lamp / fixture	1	1	1	1	1	1	1	1	1	1	1	1								
		length / fixture	4	4	4	4	4	4	4	4	4	4	4	4								
		Wattage / fixture	23	23	27	27	32	32	27	23	28	28	33	33								
M737						1	2									✓	4				96.00	
M738 General Office						1	8									✓	4				288.00	
M739 Corridor						2	2									✓	3				128.00	
M741 Principal							4									✓	4	✓	50.00%		128.00	
M742 A.P.							4									✓	4	✓	50.00%		128.00	
M743 A.P.							4									✓	4	✓	50.00%		128.00	
M744 Conference							6									✓	4	✓	50.00%		192.00	
M746 Conference						1	3									✓	4	✓	50.00%		128.00	
S-10 Stair				2	10									7		✓	3				324.00	
M801 Tel. / Data																✓	7				0.00	
M803 Storage			1													✓	7				23.20	
M804 Storage			1													✓	7				23.20	
M810 Orchestra		1	3				1	6								✓	1	✓	50.00%		262.80	
M812 Storage			2													✓	7				46.40	
M813 Choral		2	22													✓	1	✓	50.00%		556.80	
M814 General Music		2	10													✓	1	✓	50.00%		278.40	
M815 General Musc		2	8													✓	1	✓	50.00%		232.00	
M818 Corridor				1	1									1		✓	3				54.00	
M823 Corridor				4	10											✓	3				378.00	
U301 Work Room							3									✓	4	✓	50.00%		96.00	
U301A Toilet										1	2					✓	6				83.10	
U302 Auxillary Classroom			8													✓	1	✓	50.00%		185.60	
U303 Corridor				2	2											✓	3				108.00	
U304 Corridor				2	5									2		✓	3				189.00	
U305 Computer Lab		2	14													✓	2				371.20	
U306 Computer Lab		2	14													✓	2				371.20	
U308 Corridor				2	2									2		✓	3				108.00	
U309 Mechanical Room			5													✓	7				116.00	
U310 Speech / Behavioral Therapy			8													✓	1	✓	50.00%		185.60	
U311 Elec. Data				1	2											✓	7				81.00	
U311A					4											✓	7				108.00	
U312 A.V Storage					3											✓	7				81.00	
S-4 Stair												10	11			✓	3				693.00	
S-8 Stair													4			✓	3				132.00	

Attachment A: Middle School Lighting Inventory - Proposed Lighting (Addendum 1)

Room Name	Fixture	A EM (4' LED Pendants)	A (4' LED Pendants)	B EM (2x4 LED)	B (2x4 LED)	C EM (2x4 LED)	C (2x4 LED)	D (2x4 LED)	E (LED Downlights)	F EM (LED 4' Cove Lighting Fixtures)	F (LED 4' Cove Lighting Fixtures)	G (LED 4' Surface Mounted Fixtures)	G EM (LED 4' Surface Mounted Fixtures)	X1 Replacement 1-Sided Exit Sign	X2 Replacement 2-Sided Exit Sign	Proposed New Wall or Ceiling VS	Proposed Lighting Control Sequence	Proposed Daylight Harvesting Sensor	Proposed Daylight Harvesting %	Design W		
		# lamp / fixture	1	1	1	1	1	1	1	1	1	1	1	1								
		length / fixture	4	4	4	4	4	4	4	4	4	4	4	4								
		Wattage / fixture	23	23	27	27	32	32	27	23	28	28	33	33								
U602 Classroom				2	10											✓	1	✓	50.00%	324.00		
U603 Special Education					12											✓	1	✓	50.00%	324.00		
U604 Science Storage																✓	7			0.00		
U605 Toilet										2						✓	6			55.40		
U606 Science			12													✓	1			278.40		
U607 Janitor			1													✓	7			23.20		
U608 Girls Toilet										2	11					✓	5			360.10		
U609 Boys Toilet										2	11					✓	5			360.10		
U610 Corridor				1	6											✓	3			189.00		
U611 Team Area				1	1											✓	8	✓	50.00%	54.00		
U612 Team Room							3									✓	2			96.00		
U613 Classroom			12													✓	1	✓	50.00%	278.40		
U614 Classroom			12													✓	1	✓	50.00%	278.40		
U615 Classroom			12													✓	1	✓	50.00%	278.40		
U616 Science				2	7											✓	1	✓	50.00%	243.00		
U617 Science Storage			2													✓	7			46.40		
U618 Corridor				4	7											✓	3			297.00		
U619 Classroom		2	10													✓	1	✓	50.00%	278.40		
U620 Classroom		2	10													✓	1	✓	50.00%	278.40		
U621 Classroom		2	10													✓	1	✓	50.00%	278.40		
U622 Classroom		2	10													✓	1	✓	50.00%	278.40		
Out of Lighting Scope Areas (exit sign only)																						
L206 Vestibule														1								
M206 Cafeteria														6								
Stair S-3														4								
Electrical Mezzaine Above Cafeteria														1								
TOTAL		83	1,257	100	306	28	173	4	9	64	207	35	40	123	12	386		106		58,779		

ATTACHMENT C: SAXE MIDDLE SCHOOL LIGHTING FIXTURE SCHEDULE (ADDENDUM 1)

Fixture Designation	Description	Watts	Lumens	Lumens / Watt	Color ¹	Dimensions	Acceptable Manufacturer #1	Acceptable Model Number #1 ⁵	Acceptable Manufacturer #2	Acceptable Model Number #2 ⁵	Notes
A EM	4' Sona Suspended Linear LED Emergency	23.2	3456	149	4000K	4' Length	Ledalite	77-0-3-L-A-E-NA-XX-M-D-E-W			Add. Alternate #1 - See Note 4.
A	4' Sona Suspended Linear LED	23.2	3456	149	4000K	4' Length	Ledalite	77-0-3-L-A-E-NA-XX-7-D-E-W			Add. Alternate #1 - See Note 4.
B EM	2x4 T-Grid LED Troffer Emergency	27	3071	114	4000K	2' x 4'	Signify Day-Brite CFI	2TG32L840-4-FS-O2F-UNV-DIM-EMLED	Lithonia Lighting	BLC-2X4-4000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT-EL14L	Add. Alternate #1 - See Note 4.
B	2x4 T-Grid LED Troffer	27	3071	114	4000K	2' x 4'	Signify Day-Brite CFI	2TG32L840-4-FS-O2F-UNV-DIM-#	Lithonia Lighting	BLC-2X4-4000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT	Add. Alternate #1 - See Note 4.
C EM	2x4 ClearAppeal Recessed LED Emergency	32	3873	120	4000K	2' x 4'	Signify Day-Brite CFI	2CAXG38L840-4-DS-UNV-DALI-F2/6W	Lithonia Lighting	BLC-2X4-4000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT-EL14L	Add. Alternate #1 - See Note 4.
C	2x4 ClearAppeal Recessed LED	32	3873	120	4000K	2' x 4'	Signify Day-Brite CFI	2CAXG38L840-4-DS-UNV-DALI-IAP	Lithonia Lighting	BLC-2X4-4000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT	Add. Alternate #1 - See Note 4.
D	2x4 T-Grid LED Troffer	27	3071	114	4000K	2' x 4'	Signify Day-Brite CFI	2TG32L840-4-FS-O2F-UNV-DIM-#	Lithonia Lighting	BLC-2X4-4000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT	Add. Alternate #1 - See Note 4.
E	6" LED Downlight	23	2500	108	4000K	6" Diameter	Lightolier	C6L-25-8-40-M-D-U-BAC			
F	LED Cove Lighting Fixtures	28	3102	112	4000K	Varying Lengths	Signify Ledalite	4908L94030QSXXDH1NWCC2S4			
F EM	LED Cove Lighting Fixtures Emergency	28	3102	112	4000K	Varying Lengths	Signify Ledalite	4908L94030QSXXDH1BWCC2S4			
G	4' Surface Mounted Wraparound LED	33	3205	96	4000K	4' Length	Signify Day-Brite CFI	OWL430L840-UNV-DIM	Lithonia Lighting	SBL4-3000LM-80CRI-40K-MIN1-ZT-MVOLT	
G EM	4' Surface Mounted Wraparound LED Emergency	33	3205	96	4000K	4' Length	Signify Day-Brite CFI	OWL430L840-UNV-EMLED	Lithonia Lighting	SBL4-3000LM-80CRI-40K-MIN1-ZT-MVOLT-EL7L	
X1	Single-Faced LED Exit Sign	2	-	-	-	-	Signitex Lighting Inc.	RPR-BB-1-R-BA-TW			Wall mounted, die-cast aluminum exit sign with integral battery backup, single-faced, with red lettering
X2	Double-Faced LED Exit Sign	4	-	-	-	-	Signitex Lighting Inc.	RPR-BB-2-R-BA-TW			Wall mounted, die-cast aluminum exit sign with integral battery backup, double-faced, with red lettering

¹Color selections are for recommendation only. Contractor to modify color selections based on owner's request.

²All lighting fixtures must be selected with wireless control function capability.

³All lighting fixtures must be DLC certified.

⁴Provide an option per Add. Alternate #1 - selectable color temperature option. Refer to Scope of Work.

⁵Lighting fixture model numbers are for reference only and for design intent. Final lighting fixture model numbers to be confirmed by Contractor and to be compatible with wireless control system.

ATTACHMENT C: NEW CANAAN HIGH SCHOOL LIGHTING FIXTURE SCHEDULE (ADDENDUM 1)

Fixture Designation	Description	Watts	Lumens	Lumens / Watt	Color ¹	Dimensions	Acceptable Manufacturer #1	Acceptable Model Number #1 ⁵	Acceptable Manufacturer #2	Acceptable Model Number #2 ⁵	Notes
A	2x4 ClearAppeal Recessed LED	32	3873	120	4000K	2' x 4'	Signify Day-Brite CFI	2CAXG38L840-4-DS-UNV-DALI-IAP			Add. Alternate #1 - See Note 4.
AE	2x4 ClearAppeal Recessed LED Emergency	32	3873	120	4000K	2' x 4'	Signify Day-Brite CFI	2CAXG38L840-4-DS-UNV-DALI-F2/6W			Add. Alternate #1 - See Note 4.
A1	2x4 ClearAppeal Recessed LED	32	3873	120	4000K	2' x 4'	Signify Day-Brite CFI	2CAXG38L840-4-DS-UNV-DALI-IAP			Add. Alternate #1 - See Note 4.
A1E	2x4 ClearAppeal Recessed LED Emergency	32	3873	120	4000K	2' x 4'	Signify Day-Brite CFI	2CAXG38L840-4-DS-UNV-DALI-F2/6W			Add. Alternate #1 - See Note 4.
B	2x2 ClearAppeal Recessed LED	34	4007	116	4000K	2' x 2'	Signify Day-Brite CFI	2CAXG38B840-2-DS-UNV-DALI-IAP			Add. Alternate #1 - See Note 4.
BE	2x2 ClearAppeal Recessed LED Emergency	34	4007	116	4000K	2' x 2'	Signify Day-Brite CFI	2CAXG38B840-2-DS-UNV-DALI-F2/6W			Add. Alternate #1 - See Note 4.
C	2x4 T-Grid LED Troffer	27	3071	114	4000K	2' x 4'	Signify Day-Brite CFI	2TG32L840-4-FS-O2F-UNV-DIM-#			Add. Alternate #1 - See Note 4.
CE	2x4 T-Grid LED Troffer Emergency	27	3071	114	4000K	2' x 4'	Signify Day-Brite CFI	2TG32L840-4-FS-O2F-UNV-DIM-EMLED			Add. Alternate #1 - See Note 4.
D	2x2 ClearAppeal Recessed LED	34	4007	116	4000K	2' x 2'	Signify Day-Brite CFI	2CAXG38B840-2-DS-UNV-DALI-IAP			Add. Alternate #1 - See Note 4.
DE	2x2 ClearAppeal Recessed LED Emergency	34	4007	116	4000K	2' x 2'	Signify Day-Brite CFI	2CAXG38B840-2-DS-UNV-DALI-F2/6W			Add. Alternate #1 - See Note 4.
F	4' Vapor Tight LED Strip Light	32	3699	116	4000K	4' Length	Signify Day-Brite CFI	DWLE35L840-4-UNV-MD360W	Lithonia Lighting	CSVT-L48-3000LM-MVOLT-40K-80CRI	
FE	4' Vapor Tight LED Strip Light Emergency	32	3699	116	4000K	4' Length	Signify Day-Brite CFI	DWLE35L840-4-UNV-EMLED	Lithonia Lighting	CSVT-L48-3000LM-MVOLT-40K-80CRI	
F1	4' Surface Mounted Wraparound LED	33	3205	96	4000K	4' Length	Signify Day-Brite CFI	OWL430L840-UNV-DIM	Lithonia Lighting	SBL4-3000LM-80CRI-40K-MINI-ZT-MVOLT	
F1E	4' Surface Mounted Wraparound LED Emergency	33	3205	96	4000K	4' Length	Signify Day-Brite CFI	OWL430L840-UNV-EMLED	Lithonia Lighting	SBL4-3000LM-80CRI-40K-MINI-ZT-MVOLT-EL7L	
F3	4' Vandal Resistant LED Fixture	30	2232	74	4000K	4' Length	Signify Day-Brite CFI	LPLS4L30-40K-UNV-F1	Acuity Brands Luminaire LED	CLF7L-LSL-4FT-MSL4-AL-MINI-25W-40K-MVOLT-CLP-WHT	
F3E	4' Vandal Resistant LED Fixture Emergency	30	2232	74	4000K	4' Length	Signify Day-Brite CFI	LPLS4L30-40K-UNV-F1-EM	Acuity Brands Luminaire LED	CLF7L-LSL-4FT-MSL4-AL-MINI-25W-40K-MVOLT-CLP-WHT-EMB722	
F4	4' LED Striplight Unlensed	31	4655	150	4000K	4' Length	Signify Day-Brite CFI	LBX40L840-UNV-RADIO	Lithonia Lighting	ZL1N-L48-3000LM-L/LENS-MVOLT-40K-80CRI	
GE	4' Surface Mounted Wraparound LED	33	3205	96	4000K	4' Length	Signify Day-Brite CFI	OWL430L840-UNV-DIM	Lithonia Lighting	SBL4-3000LM-80CRI-40K-MINI-ZT-MVOLT	
H	2x2 LED Center Basket Troffer	25	2975	119	4000K	2' x 2'	Signify Day-Brite CFI	2EVG30L840-2-D-UNV-DALI-RADIO	Lithonia Lighting	BLC-2X2-3300LM-80CRI-40K-ADSM-MINI10-ZT-MVOLT	Add. Alternate #1 - See Note 4.
HE	2x2 LED Center Basket Troffer Emergency	25	2975	119	4000K	2' x 2'	Signify Day-Brite CFI	2EVG30L840-2-D-UNV-DALI-EMLED	Lithonia Lighting	BLC-2X2-3300LM-80CRI-40K-ADSM-MINI10-ZT-MVOLT-EL14L	Add. Alternate #1 - See Note 4.
H1	2x2 LED Center Basket Troffer	25	2975	119	4000K	2' x 2'	Signify Day-Brite CFI	2EVG30L840-2-D-UNV-DALI-RADIO	Lithonia Lighting	BLC-2X2-3300LM-80CRI-40K-ADSM-MINI10-ZT-MVOLT	Add. Alternate #1 - See Note 4.
K1	4' LED Striplight Lensed	32	3325	104	4000K	4' Length	Signify Day-Brite CFI	FSWE2440L840-UNV	Lithonia Lighting	ZL1N-L48-3000LM-FST-MVOLT-40K-80CRI	
K1E	4' LED Striplight Lensed Emergency	32	3325	104	4000K	4' Length	Signify Day-Brite CFI	FSWE2440L840-UNV-EMLED	Lithonia Lighting	ZL1N-L48-3000LM-FST-MVOLT-40K-80CRI-E7W	
K2	4' LED Striplight Unlensed	31	4169	134	4000K	4' Length	Signify Day-Brite CFI	FSI440L840-UNV-DALI-RADIO	Lithonia Lighting	ZL1N-L48-3000LM-L/LENS-MVOLT-40K-80CRI	
L	6" LED Downlight	23	2500	108	4000K	6" Diameter	Lightolier	C6L-25-8-40-M-D-U-BAC			Provide patching of hard ceilings or provide new ceiling tiles as needed for smaller diameter downlights compared to existing.
LE	6" LED Downlight Emergency	23	2500	108	4000K	6" Diameter	Lightolier	C6L-25-8-40-M-D-U-CAEM			Provide patching of hard ceilings or provide new ceiling tiles as needed for smaller diameter downlights compared to existing.
L1	6" LED Downlight	23	2500	108	4000K	6" Diameter	Lightolier	C6L-25-8-40-M-D-U-BAC			Provide patching of hard ceilings or provide new ceiling tiles as needed for smaller diameter downlights compared to existing.
L1E	6" LED Downlight Emergency	23	2500	108	4000K	6" Diameter	Lightolier	C6L-25-8-40-M-D-U-CAEM			Provide patching of hard ceilings or provide new ceiling tiles as needed for smaller diameter downlights compared to existing.
L2	6" LED Downlight	15	2000	133	4000K	6" Diameter	Lightolier	C6L-20-8-40-M-D-U-BAC			Provide patching of hard ceilings or provide new ceiling tiles as needed for smaller diameter downlights compared to existing.
L3	6" LED Downlight	23	2500	108	4000K	6" Diameter	Lightolier	C6L-25-8-40-M-D-U-BAC			Provide patching of hard ceilings or provide new ceiling tiles as needed for smaller diameter downlights compared to existing.
L5	10" LED Downlight	32	3000	94	3000K	9" Diameter	Lightolier	CR-10RLM-CCT			Provide patching of hard ceilings or provide new ceiling tiles as needed for smaller diameter downlights compared to existing.
U	4x4 Recessed LED Fixture	103	7915	77	3500K	4' x 4'	Prudential Lighting	P92445-LED35-SO-WA-YGW-SC-UNV-DM01			
UE	4x4 Recessed LED Fixture Emergency	103	7915	77	3500K	4' x 4'	Prudential Lighting	P92445-LED35-SO-WA-YGW-SC-UNV-DM01-EMHE			
X1	Single-Faced LED Exit Sign	2	-	-	-	-	Signitex Lighting Inc.	RPR-BB-1-R-BA-TW			Wall mounted, die-cast aluminum exit sign with integral battery backup, single-faced, with red lettering
X2	Double-Faced LED Exit Sign	4	-	-	-	-	Signitex Lighting Inc.	RPR-BB-2-R-BA-TW			Wall mounted, die-cast aluminum exit sign with integral battery backup, double-faced, with red lettering

¹Color selections are for recommendation only. Contractor to modify color selections based on owner's request.

²All lighting fixtures must be selected with wireless control function capability.

³All lighting fixtures must be DLC certified.

⁴Provide an option per Add. Alternate #1 - selectable color temperature option. Refer to Scope of Work.

⁵Lighting fixture model numbers are for reference only and for design intent. Final lighting fixture model numbers to be confirmed by Contractor and to be compatible with wireless control system.