



May 13th, 2025

Harford County Public Schools
Church Creek ES & Edgewood ES Blueprint Program

Addenda #1 Documents Provided

- Pre-Bid Meeting Sign-In Sheet
- Church Creek ES Lighting Comcheck
- Contractor Questions and Answers (Partial)

Thank you

Robert D. Taylor, AIA, CCCA



PENNSYLVANIA

226 West Market Street
York, Pennsylvania 17401

T 717-848-8627

F 717-843-2449

MARYLAND

805 North Charles Street
Baltimore, Maryland 21201

T 410-625-4823

F 410-625-4674

Murphy & Dittenhafer, Inc.
805 North Charles Street
Baltimore, Maryland 21201
410-625-4823
410-625-4674 FAX

Pre-Bid Meeting Attendance Sheet
Church Creek ES / Edgewood ES Blueprint
 Friday, May 9, 2025 – 8:30 a.m.
Bid Opening – Thursday, May 22, 2024, 10:00 a.m.
Harford County Public Schools Facilities Management Complex
Hickory College Building
2209 Conowingo Road, Bel Air, Maryland 21015

Name	Company & Address	Telephone # Fax #	Email Address
CHUCK GREBE	HCPS - POC	410-638-4211	Chuck.grebe@hcps.org
ROBERT MYLOR	Murphy & Ditenhafer	443 627.0296	rdt@murphdittarch.com
BROOK BEHNER	Strayer Contracting	410 686 4300	Brook.Behner@strayercontracting.com
Rachel Spencer	Baltimore Contractors	410-276-2800	r.rickett@baltimorecontractors.com
Robert Busch	BMC Services	717-781-3097	rbusch@bmcson.com
Ton Lamb	Key Systems	442 4970227	TLamb@keysystems-electric.com
Brian Mikewicz	Carter Machinery	443-463-9592	brian_mikewicz@cartermachinery.com
JAMES TYNER	BLACK ROCK DEM.	415 418 9409	JAMES@BLACKROCKDEM.com
Drew Knudsen	Shrader Electric	410 979 9969	Drew@ShraderElectric.com
Zayne Stranko	Cole Roofing	443 895 3575	ZStranko@coleroofing.com
BRITNEY MATTIN	HCPS		BRITNEY.MATTIN@hcps.org

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COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: 24094 - Church Creek
Project Type: Alteration

Construction Site: 4299 Church Creek Road
Belcmap, Maryland 21017

Owner/Agent: Harford County Public Schools

Designer/Contractor: Murphy & Dittenhafer Architects
226 West Market Street
York, Pennsylvania 17401

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-School/University	834	0.72	600
Total Allowed Watts =			600

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
School/University (834 sq.ft.) LED: F: 2x4 Edge Lit Flat Panel: Other:	1	12	45	540
Total Proposed Watts =				540

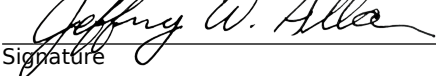
Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jeffrey W. Alban, President

Name - Title



Signature

05/01/2025

Date





Inspection Checklist

Energy Code: 2021 IECC

Requirements: 68.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22] ¹	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern ≥ 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1, C405.2.1.1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces ≤ 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1.2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.1.3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces ≥ 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas ≤ 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by $\geq 80\%$ of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2, C405.2.2.1 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.5 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.7 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.8 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.9.1, C405.9.2 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.10 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits ≤ 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.1.1 [EL30] ²	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy ≥ 65 lm/W or luminaires with efficacy ≥ 45 lm/W or comply with C405.2.4 or C405.3.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.11, C405.11.1 [EL31] ²	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

☐ 1 High Impact (Tier 1)
 ☒ 2 Medium Impact (Tier 2)
 ☐ 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.5 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Harford County Public Schools
Church Creek ES / Edgewood ES Blueprint Projects

Addendum #1
Contractor Questions and Responses

Q#		
1	Question	For both locations, is there a mandatory or preferred fire alarm company to use that services the systems? Can you confirm that the system is Silent Knight at Church Creek ES and Siemens Cerberus at Edgewood ES
	Response	Confirmed. Silent Knight is Church Creek ES and Cerberus Pyrotronics is at Edgewood ES.
2	Question	We note that there is no room signage indicated on the drawings nor is there a signage spec. Please provide the necessary information for signage.
	Response	Response to be provided on Addenda #2
3	Question	Please confirm that the refrigerator shown in the Church Creek E S Health Suite is by the Owner.
	Response	Refrigerator to be Contractor Provided. Residential grade with Icemaker. Spec will be provided on Addenda #2.
4	Question	The wood door spec. calls for stave core doors. Stave core doors have become rather uncommon in recent years. We visited the websites of two of the specified door manufacturers and reviewed the specification for the listed products. We note that neither are available in stave core. Please remove the stave core requirement from the door specification
	Response	Stave cores will be removed from the spec. Revised specification will be provided on Addenda #2
5	Question	Please provide information on the existing roofing material at Edgewood E S so we can coordinate the penetration for the sanitary vent properly.
	Response	The existing Roof is Johns Manville 4-ply builtup. The warranty expired in 2020. A note will be added to the drawings to patch the opening per manufacturer's details. Revised drawing will be provided on Addenda #2.
6	Question	We note that the new drywall walls are designed to provide high STC values, but the doors do not require any particular STC values. Please confirm that there are no STC requirements for the doors
	Response	Response to be provided on Addenda #2
7	Question	The new RCP for the ADA restroom in Edgewood E S does not show a sprinkler head. Please advise if one is required in this room and provide the location if required
	Response	Response to be provided on Addenda #2

8	Question	The RCP demolition and new work plans indicate the ceiling and grid in Edgewood E S room 122 are to be removed and replaced. It was discussed at the meeting that the grid is ETR and only the ACT is to be replaced. Please confirm
	Response	The ceiling grid is to remain. The drawings will be revised to indicate this. Revised drawings will be provided on Addenda #2.
9	Question	We note that specification section 095123 calls for the ACT to be Armstrong product number 942. We understand this to be a residential tile. Please confirm the tile required
	Response	The 09 51 23 Spec product is correct per HCPS.
10	Question	Spec section 024119.3.4.E requires the contractor to move existing furnishings and return the same upon completion of construction. As this project is changing the use of these spaces, please clarify the extent to which the contractor will be required to box, move, store and replace existing furnishings
	Response	Owner will be responsisbile for existing furnishings. Revised spec section will be provided on Addenda #2
11	Question	Regarding 064023: Please confirm that AWI QCP labels are required
	Response	Response to be provided on Addenda #2
12	Question	Regarding 064023: Please specify the grade of quality required
	Response	Response to be provided on Addenda #2
13	Question	Regarding 064023: Please confirm if core materials are to be fire retardant treated
	Response	Response to be provided on Addenda #2
14	Question	Regarding 064023: Please confirm whether wood components must be FSC certified
	Response	Response to be provided on Addenda #2
15	Question	Regarding 064023: Please correct the HPDL manufacturers listed in item 2.1.A.1. The listed companies manufacture division 12 casework, not laminate.
	Response	Response to be provided on Addenda #2
16	Question	Please advise whether Sitemaster 200 key control system is required
	Response	Response to be provided on Addenda #2
17	Question	Please confirm that master and grand master keys are not required
	Response	Response to be provided on Addenda #2
18	Question	Please confirm how many key blanks are required
	Response	Response to be provided on Addenda #2
19	Question	Please confirm Owner's stock hardware requirement per section 087100.2.14.A

	Response	Response to be provided on Addenda #2
20	Question	Please confirm that waxing of new VCT floors is not required
	Response	Waxing of new VCT flooring is not required.
21	Question	Please confirm that mock-ups for resinous flooring will not be required
	Response	No resinous floor mock-ups will be required. The spec will be revised to indicate this. The revised spec will be provided on Addenda #2.
22	Question	Please clarify the detail in the bathrooms where the tiled walls meet the resinous flooring. The detail on sheet A-600 indicates VB-1. Spec section 096700 does not discuss integral cove base
	Response	VB-1 is incorrect. The resinous flooring is to have a 4" integral cove base. The drawings and specs will be revised to indicate this. The revised drawings and specs will be provided on Addenda #2.
23	Question	As it seems extremely unlikely that the concrete substrate in the bathrooms will meet the maximum moisture requirement for the resinous flooring system when installation is required, please specify a moisture mitigation system
	Response	This will be addressed, as needed, during construction.
24	Question	Can you clarify the duct liner requirements? There is a conflict between M101 Note 7 and Spec 23 31 13-3-10-H.4.
	Response	Response to be provided on Addenda #2
25	Question	What raceway is to be used for the data portion of administration drop on existing block walls?
	Response	Response to be provided on Addenda #2
26	Question	
	Response	
27	Question	
	Response	
28	Question	
	Response	