

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

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BLDG B\3. DD\4. Energy Compliance\COMcheck\22045 Building B Alternate COMCheck.cck

Project Title: Lincoln Equities - NY-312 - Alternate Building B

Report date: 03/17/22

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| | Spaces required to have light- | Complies |
|------------------------------|--|--|
| 2 EL22] ¹ | reduction controls have a manual control that allows the occupant to | □Does Not □Not Observable |
| | reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent. | □Not Observable □Not Applicable |
| | Occupancy sensors installed in classrooms/lecture/training rooms, | □Complies |
| .403.2.1. | conference/meeting/multipurpose | □Does Not |
| EL18] ¹ | rooms, copy/print rooms, | □Not Observable □Not Applicable |
| | lounges/breakrooms, enclosed offices, open plan office areas, restrooms, | Enver Applicable |
| | storage rooms, locker rooms, | |
| | 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. | |
| 2405.2.1. | | ☐Complies ☐Does Not |
| EL19] ¹ | lighting in aisleways and open areas is | □Not Observable |
| | controlled with occupant sensors that automatically reduce lighting power | □Not Observable □Not Applicable |
| | by 50% or more 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. | |
| 2405.2.1. | Occupant sensor control function in | Complies |
| B EL20] ¹ | open plan office areas: Occupant sensor controls in open office spaces | □Does Not |
| | >= 300 sq.ft. have controls 1) | □ Not Observable |
| | configured so that general lighting can be controlled separately in control | □Not Applicable |
| | zones with floor areas <= 600 sq.ft. | |
| | within the space, 2) automatically turn off general lighting in all control zones | |
| | within 20 minutes after all occupants | |
| | have left the space, 3) are configured so that general lighting power in each | |
| | control zone is reduced by >= 80% of | |
| | the full zone general lighting power within 20 minutes of all occupants | |
| | leaving that control zone, and 4) are | |
| | configured such that any daylight responsive control will activate space | |
| | general lighting or control zone | |
| | general lighting only when occupancy for the same area is detected. | |
| | Each area not served by occupancy | □Complies |
| | sensors (per C405.2.1) have time- switch controls and functions detailed | □Does Not |
| 405.2.2. | in sections C405.2.2.1 and C405.2.2.2. | □Not Observable □Not Applicable |
| 2 EL21] ² | | шиот Аррисавіе |
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| roject Title Pata filenar | - | e Building B Report date: 03/17/22 OCEAN COAST ELECTRIC\OCE 22045 - LINCOLN EQUITIES SE Page 3 of 6 |

2018 IECC COMMISSIONING, TESTING, & CLOSEOUT REQUIREMENTS

PER REQUIREMENTS OF 2018 IECC C408, THESE CONSTRUCTION DOCUMENTS HEREBY SPECIFY THAT THE EC SHALL RETAIN A REGISTERED DESIGN PROFESSIONAL, OR APPROVED AGENCY, TO BE IN CHARGE OF TESTING/COMMISSIONING THE ELECTRICAL ASPECTS OF BUILDING SYSTEM(S) ASSOCIATED WITH THIS PROJECT ("ELECTRICAL CXA"). THE ELECTRICAL CXA SHALL COORDINATE COMPLETELY WITH THE MECHANICAL CXA ON ALL ITEMS OF COORDINATION/DOCUMENTATION, PER REQUIREMENTS OF IECC C408.

ADDITIONALLY, PER C408.3.1, THESE CONSTRUCTION DOCUMENTS HEREBY SPECIFY THAT THE EC, PRIOR TO PASSING FINAL INSPECTION, SHALL HAVE THE ELECTRICAL CXA PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEM(S) HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, AND MANUFACTURER'S INSTRUCTIONS; FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH IECC SECTIONS C408.3.1.1 THROUGH C408.3.1.3 FOR THE APPLICABLE CONTROL

REQUIRED FUNCTIONAL TESTING INCLUDES THE FOLLOWING TYPES OF CONTROLS, AS APPLICABLE TO THIS PROJECT; ELECTRICAL CXA SHALL SEE IECC SECTION C408.3.1 FOR COMPLETE DETAILS & REQUIREMENTS:

- OCCUPANT SENSOR CONTROLS
- TIME—SWITCH CONTROLS DAYLIGHT RESPONSIVE CONTROLS

ADDITIONALLY, PER REQUIREMENTS OF 2018 IECC C408.3.2, THESE CONSTRUCTION DOCUMENTS HEREBY SPECIFY THAT THE DOCUMENTS DESCRIBED BELOW BE PROVIDED BY THE EC TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

DRAWINGS: RECORD DOCUMENTS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:

- LOCATION AND CATALOGUE NUMBER OF EACH PIECE OF EQUIPMENT.
- MANUALS: THESE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
- AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE THE FOLLOWING: •• NAME AND ADDRESS OF NOT LESS THAN ONE SERVICE AGENCY FOR INSTALLED EQUIPMENT.
- A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS. •• SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING
- CONTROLS. •• OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE
- ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED. •• A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.
- A REPORT OF TEST RESULTS SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:
- •• RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
- •• DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.

DESIGNER / BUILDER **DESIGN/BUILD INDUSTRIAL**

> 44 SOUTH BROADWAY, SUITE 1003 WHITE PLAINS, NY 10601 P: 914.821.5535 F: 914.306.6010

ADBI DESIGN SERVICES

LINCOLN **EQUITIES -NY-312 - ALT. BLDG B** NY-312 & PUGSLEY RD, **SOUTHEAST, NY 10509**

PROJECT TITLE

ARCHITECT ADBI / DESIGN SERVICES LLC 44 SOUTH BROADWAY, SUITE 1003 WHITE PLAINS, NY 10601

CIVIL ENGINEER LANGAN ENGINEERING 300 KIMBALL DRIVE PARSIPPANY, NJ 07054

STRUCTURAL ENGINEER SMITH/ ROBERTS AND ASSOCIATES, INC. 6501 BLUFF RD. INDIANAPOLIS, INDIANA 46217

MECHANICAL ENGINEER NATIONAL DESIGN/ BUILD SERVICES 11840 BORMAN DRIVE ST. LOUIS, MO 63146

ELECTRICAL ENGINEER FBX ENGINEERING 5 CHRISTY DRIVE, SUITE 307 CHADDS FORD, PA 19317

PLUMBING ENGINEER MCCARTHY ENGINEERING ASSOCIATES, 315 EAST SECOND STREET

FIRE PROTECTION ENGINEER S A COMUNALE CO. INC. 2900 NEWPARK DRIVE

BOYERTOWN, PA 19512

BARBERTON, OH 44203

SEAL

KEY PLAN

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SUBMITTALS DESCRIPTION ISSUE FOR REVIEW A 05.27.22 0 06.10.22 ISSUE FOR PERMIT

DRAWN BY

SHEET TITLE **ENERGY** COMPLIANCE

PROJECT NO.

AS286-21/ NY131

SHEET NO.

EN1.0