

STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
OFFICE OF THE ADJUTANT GENERAL  
3949 DIAMOND HEAD ROAD  
HONOLULU, HAWAII 96816-4495

May 29, 2025

**ADDENDUM NO. 1**

Replacement of Lighting on First Floor of B29, Kalaeloa, State of Hawaii,  
Department of Defense, Hawaii Army National Guard., Job No. CA-202515-C

The items listed hereinafter are hereby made a part of the contract for the above-mentioned project and shall govern the work taking precedence over previously issued contract documents governing the items mentioned. Receipt of this addendum is to be acknowledged on page OF-7 of the proposer's packet.

The following documents have been modified and/or added to the bid packet of May 21, 2025:

- A. Due to a clerical error the document titled "Table 4. Specifications and Details of New LED Fixtures and Controls-Base Scope" was not attached in the bid packet. Please see attachment 1.

Stephen F. Logan  
Major General  
Adjutant General

Posted: May 29, 2025

ATTACHMENT 1

Table 4. Specifications and Details of New LED Fixtures and Controls-Base Scope

| Section           | Section Color | Section Marker | Room Number | Room Name | Fixture Label on Drawings | Quantity | Description  | Mounting Description | Mounting Surface | Mounting Height*        | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|-------------------|---------------|----------------|-------------|-----------|---------------------------|----------|--|----------------------|------------------|-------------------------|--|-----------------------------------|
| Lobby & Corridors | Green         | L1             | 1002        | CORRIDOR  | B2                        | 3        | 2x2 LED Troffer direct/indirect w/ round lamp shield   | Recessed             | Grid             | 10'-0"                  | METALUX/ COOPER                          | 22RDI                             |
|                   |               |                |             |           | B2E                       | 2        | 2x2 LED Troffer direct/indirect w/ round lamp shield, w/ emergency battery   | Recessed             | Grid             | 10'-0"                  | METALUX/ COOPER                          | 22RDI                             |
|                   |               |                |             |           | OS                        | 3        | Low voltage occupancy sensor   | Ceiling              | Grid             | 10'-0"                  |  |                                   |
|                   |               | L2             | 1001        | CORRIDOR  | P                         | 2        | 3" LED Suspended pendant 4' long, direct w/ black housing, 45 deg. prismatic acrylic lens  | Pendant (Stem)       | Grid             | 10'-0"                  | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |           | PE                        | 3        | 3" LED Suspended pendan 4' long, direct w/ black housing, 45 deg. prismatic acrylic lens, w/ emergency battery                                       | Pendant (Stem)       | Grid             | 10'-0"                  | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |           | M                         | 2        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Grid             | 10'-0"                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |           | OS                        | 3        | Low voltage occupancy sensor   | Ceiling              | Grid             | 10'-0"                  |  |                                   |
|                   |               | L3             | 1000        | LOBBY     | H                         | 10       | 4'-0" LED Strip-w/ Round narrow lens and white housing   | Surface              | Gypsum           |                         | METALUX/ COOPER                          | SNX                               |
|                   |               |                |             |           | K                         | 8        | 4'-0" Linear LED, direct w/ flush housing, w/ satin diffuser, w/ white housing   | Recessed             | Gypsum           |                         | NEO-RAY/ COOPER                          | S123DR                            |
|                   |               |                |             |           | PD                        | 5        | ~21"-23" Dia. LED Black drum w/ up/down distribution   | Pendant              | Gypsum           | 24" From Ceiling to BOF | TARGETTI-THREESIXTY SUSPENSION           | 360-SU                            |
|                   |               |                |             |           | M                         | 5        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Gypsum           | 10'-0"                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |           | ME                        | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange, w/ emergency battery | Recessed             | Gypsum           | 10'-0"                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |           | OS                        | 6        | Low voltage occupancy sensor   | Ceiling              | Gypsum           | 10'-0"                  |  |                                   |
|                   |               |                |             |           | \$                        | 1        | Single pole switch (compatible w/ H & K fixtures)  | Wall                 | Gypsum           | 48" AFF to TOB          |  |                                   |
|                   |               | L4             | 1004        | CORRIDOR  | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Grid             | 10'-0"                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |           | ME                        | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange, w/ emergency battery | Recessed             | Grid             | 10'-0"                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |           | PE                        | 1        | 3" LED Suspended pendan 4' long, direct w/ black housing, 45 deg. prismatic acrylic lens, w/ emergency battery                                       | Pendant (Stem)       | Grid             | 10'-0"                  | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |           | OS                        | 1        | Low voltage occupancy sensor   | Ceiling              | Grid             | 10'-0"                  |  |                                   |
|                   |               | L5             | 1003        | CORRIDOR  | P                         | 4        | 3" LED Suspended pendant 4' long, direct w/ black housing, 45 deg. prismatic acrylic lens  | Pendant (Stem)       | Gypsum           | 10'-0"                  | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |           | PE                        | 4        | 3" LED Suspended pendan 4' long, direct w/ black housing, 45 deg. prismatic acrylic lens, w/ emergency battery                                       | Pendant (Stem)       | Gypsum           | 10'-0"                  | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |           | OS                        | 4        | Low voltage occupancy sensor   | Ceiling              | Gypsum           | 10'-0"                  |  |                                   |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 4. Specifications and Details of New LED Fixtures and Controls-Base Scope

| Section           | Section Color | Section Marker | Room Number | Room Name            | Fixture Label on Drawings | Quantity | Description  | Mounting Description       | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|-------------------|---------------|----------------|-------------|----------------------|---------------------------|----------|--|----------------------------|------------------|------------------|--|-----------------------------------|
| Lobby & Corridors | Green         | L6             | 1005        | CORRIDOR             | B2                        | 4        | 2x2 LED Troffer direct/indirect w/ round lamp shield   | Recessed                   | Grid             | 10'-0"           | METALUX/ COOPER                          | 22RDI                             |
|                   |               |                |             |                      | OS                        | 2        | Low voltage occupancy sensor   | Ceiling                    | Grid             | 10'-0"           |  |                                   |
|                   |               | L7             | 1000        | CORRIDOR             | MV                        | 12       | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                   | Grid & Gypsum    | BOF @ 28' AFF    | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |                      | OS                        | 1        | Low voltage occupancy sensor   | Wall                       | Gypsum           | 10'-0"           |  |                                   |
| Command Suite     | Orange        | C1             | 1010        | CMND SUITE RECEPTION | MD                        | 4        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                   | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |                      | PT2A                      | 2        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing  | Pendant (Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |                      | PT2AE                     | 1        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing, w/ emergency battery                              | Pendant (Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |                      | \$D                       | 2        | Dimmer switch (compatible with MD, PT2A fixtures)  | Wall                       | Gypsum           | 48" AFF to TOB   |  |                                   |
|                   |               |                |             |                      | OS                        | 1        | Low voltage occupancy sensor   | Wall                       | Gypsum           |                  |  |                                   |
|                   |               |                | 1011        | CSM                  | A2D                       | 2        | 2x4 LED Troffer direct/indirect w/ round lamp shield and 0-10V dimmer, w/ white housing  | Recessed                   | Grid             | 10'-0"           | METALUX/ COOPER                          | 24RDI                             |
|                   |               |                |             |                      | \$D                       | 1        | Dimmer switch (compatible with A2D fixtures)   | Wall                       | Gypsum           | 48" AFF to TOB   |  |                                   |
|                   |               |                |             |                      | OS                        | 1        | Low voltage occupancy sensor   | Ceiling                    | Grid             | 10'-0"           |  |                                   |
|                   |               |                | 1012        | XO                   | B3                        | 4        | 2x2 LED Troffer direct/indirect w/ round lamp shield w/ white housing  | Recessed                   | Grid             | 10'-0"           | METALUX/ COOPER                          | 22RDI                             |
|                   |               |                |             |                      | \$D                       | 1        | Dimmer switch (compatible with B3 fixtures)  | Wall                       | Gypsum           | 48" AFF to TOB   |  |                                   |
|                   |               |                |             |                      | OS                        | 1        | Low voltage occupancy sensor   | Wall                       | Gypsum           |                  |  |                                   |
|                   |               |                | 1013        | DEPUTY CMRD          | B3                        | 4        | 2x2 LED Troffer direct/indirect w/ round lamp shield w/ white housing  | Recessed                   | Grid             | 10'-0"           | METALUX/ COOPER                          | 22RDI                             |
|                   |               |                |             |                      | \$D                       | 1        | Dimmer switch (compatible with B3 fixtures)  | Wall                       | Gypsum           | 48" AFF to TOB   |  |                                   |
|                   |               |                |             |                      | OS                        | 1        | Low voltage occupancy sensor   | Wall                       | Gypsum           |                  |  |                                   |
|                   |               |                | 1014        | CMDR                 | MD                        | 4        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                   | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |                      | PG                        | 2        | 3" LED Suspended pendant 4'-0" long direct w/ black housing and end caps and asymmetric diffuser                               | Pendant (Aircraft)         | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |                      | \$3                       | 1        | Three way switch (compatible with MD, PG fixtures)   | Wall                       | Gypsum           | 48" AFF to TOB   |  |                                   |
|                   |               |                |             |                      | \$D                       | 2        | Dimmer switch (compatible with MD, PG fixtures)  | Wall                       | Gypsum           | 48" AFF to TOB   |  |                                   |
|                   |               |                |             |                      | OS                        | 1        | Low voltage occupancy sensor   | Wall                       | Gypsum           |                  |  |                                   |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 4. Specifications and Details of New LED Fixtures and Controls-Base Scope

| Section                  | Section Color | Section Marker | Room Number | Room Name       | Fixture Label on Drawings | Quantity | Description  | Mounting Description | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|--------------------------|---------------|----------------|-------------|-----------------|---------------------------|----------|--|----------------------|------------------|------------------|--|-----------------------------------|
| Command Suite            | Orange        | C1             | 1015        | SIRP CAFÉ       | A2                        | 1        | 2x4 LED Troffer direct/indirect w/ round lamp shield   | Recessed             | Gypsum           | 10'-0"           | METALUX/ COOPER                          | 24RDI                             |
|                          |               |                |             |                 | OS                        | 1        | Low voltage occupancy sensor   | Ceiling              | Gypsum           |                  |  |                                   |
|                          |               |                | 1016        | CONFERENCE ROOM | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                 | MD                        | 10       | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                 | PG                        | 2        | 3" LED Suspended pendant 4'-0" direct w/ black housing and end caps and asymmetric diffuser  | Pendant (Aircraft)   | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|                          |               |                |             |                 | \$                        | 3        | Single pole switch (compatible w/ PG, MD, and M fixtures)  | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               |                |             |                 | OS                        | 1        | Low voltage occupancy sensor   | Wall                 | Gypsum           |                  |  |                                   |
|                          |               |                | 1017        | CLOSET          | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                 | \$P                       | 1        | Passive Infrared (PIR) Occupancy sensor wall switch (compatible with M fixtures)   | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               |                | 1018        | TOILET          | Q                         | 1        | 4'-0" LED Troffer Direct/indirect w/ white lens over round diffuser, w/ white housing  | Recessed             | Gypsum           | 10'-0"           | RSA/COOPER                               | RDI                               |
|                          |               |                |             |                 | \$P                       | 1        | Passive Infrared (PIR) Occupancy sensor wall switch (compatible with Q fixtures)   | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               |                | 1019        | CORRIDOR        | B2                        | 1        | 2x2 LED Troffer direct/indirect w/ round lamp shield   | Recessed             | Grid             | 10'-0"           | METALUX/ COOPER                          | 22RDI                             |
|                          |               |                |             |                 | B2E                       | 1        | 2x2 LED Troffer direct/indirect w/ round lamp shield, w/ emergency battery   | Recessed             | Grid             | 10'-0"           | METALUX/ COOPER                          | 22RDI                             |
|                          |               |                |             |                 | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                 | OS                        | 1        | Low voltage occupancy sensor   | Ceiling              | Grid             | 10'-0"           |  |                                   |
| Restrooms & Locker Rooms | Red           | R1             | 1120        | WOMEN #2        | E                         | 6        | 1x4 Recessed, wet location, w/aluminum door & acrylic lens   | Flange               | Gypsum           |                  | FAIL-SAFE/ COOPER                        | CLMF                              |
|                          |               |                |             |                 | EE                        | 2        | 1x4 Recessed, wet location, w/aluminum door & acrylic lens, w/ emergency battery   | Flange               | Gypsum           |                  | FAIL-SAFE/ COOPER                        | CLMF                              |
|                          |               |                |             |                 | H                         | 2        | 4'-0" LED Strip-w/ Round narrow lens and white housing   | Surface              | Gypsum           |                  | METALUX/ COOPER                          | SNX                               |
|                          |               |                |             |                 | M                         | 2        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange                       | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                 | ME                        | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange, w/ emergency battery | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                 | QE                        | 1        | 4'-0" Direct/indirect w/ white lens over round diffuser, w/ white housing w/ emergency battery   | Recessed             | Gypsum           |                  | RSA/COOPER                               | RDI                               |

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| Section                  | Section Color | Section Marker | Room Number | Room Name        | Fixture Label on Drawings | Quantity | Description   | Mounting Description | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|--------------------------|---------------|----------------|-------------|------------------|---------------------------|----------|---|----------------------|------------------|------------------|--|-----------------------------------|
| Restrooms & Locker Rooms | Red           | R1             | 1120        | WOMEN #2         | OS                        | 5        | Low voltage occupancy sensor  | Ceiling              | Gypsum           |                  |  |                                   |
|                          |               | R2             | 1130        | MEN #2           | H                         | 3        | 4'-0" LED Strip-w/ Round narrow lens and white housing  | Surface              | Gypsum           |                  | METALUX/ COOPER                          | SNX                               |
|                          |               |                |             |                  | M                         | 3        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange  | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                  | ME                        | 2        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange, w/ emergency battery                    | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                  | QE                        | 1        | 4'-0" Direct/indirect w/ white lens over round diffuser, w/ white housing w/ emergency battery  | Recessed             | Gypsum           |                  | RSA/COOPER                               | RDI                               |
|                          |               |                |             |                  | OS                        | 2        | Low voltage occupancy sensor  | Ceiling              | Gypsum           |                  |  |                                   |
|                          |               |                | 1140        | JAN. CLOS.       | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange  | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                  | \$P                       | 1        | Passive Infrared (PIR) Occupancy sensor wall switch (compatible w/ M fixtures)  | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               | R3             | 1131        | MEN'S LOCKERS    | E                         | 8        | 1x4 Recessed, wet location, w/aluminum door & acrylic lens  | Flange               | Gypsum           |                  | FAIL-SAFE/ COOPER                        | CLMF                              |
|                          |               |                |             |                  | EE                        | 5        | 1x4 Recessed, wet location, w/aluminum door & acrylic lens, w/ emergency battery  | Flange               | Gypsum           |                  | FAIL-SAFE/ COOPER                        | CLMF                              |
|                          |               |                |             |                  | OS                        | 5        | Low voltage occupancy sensor  | Ceiling              | Gypsum           |                  |  |                                   |
|                          |               | R4             | 1180        | MEN #1           | H                         | 2        | 4'-0" LED Strip-w/ Round narrow lens and white housing  | Surface              | Gypsum           |                  | METALUX/ COOPER                          | SNX                               |
|                          |               |                |             |                  | M                         | 3        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange  | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                  | QE                        | 1        | 4'-0" Direct/indirect w/ white lens over round diffuser, w/ white housing w/ emergency battery  | Recessed             | Gypsum           |                  | RSA/COOPER                               | RDI                               |
|                          |               |                |             |                  | OS                        | 2        | Low voltage occupancy sensor  | Ceiling              | Gypsum           |                  |  |                                   |
|                          |               |                | 1181        | MEN HC SHOWER #1 | N                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ prismatic lens, w/ silver housing and trim flange                       | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                  | NE                        | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ prismatic lens, w/ silver housing and trim flange, w/ emergency battery | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                  | \$P                       | 1        | Passive Infrared (PIR) Occupancy sensor wall switch (compatible with NE fixtures)   | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               | R5             | 1190        | WOMEN #1         | H                         | 2        | 4'-0" LED Strip-w/ Round narrow lens and white housing  | Surface              | Gypsum           |                  | METALUX/ COOPER                          | SNX                               |
|                          |               |                |             |                  | M                         | 3        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange  | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 4. Specifications and Details of New LED Fixtures and Controls-Base Scope

| Section                  | Section Color | Section Marker | Room Number | Room Name          | Fixture Label on Drawings | Quantity | Description   | Mounting Description | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|--------------------------|---------------|----------------|-------------|--------------------|---------------------------|----------|---|----------------------|------------------|------------------|--|-----------------------------------|
| Restrooms & Locker Rooms | Red           | R5             | 1190        | WOMEN #1           | ME                        | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange, w/ emergency battery                    | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                    | Q                         | 4        | 4'-0" Direct/indirect w/ white lens over round diffuser, w/ whie housing  | Recessed             | Gypsum           |                  | RSA/COOPER                               | RDI                               |
|                          |               |                |             |                    | QE                        | 1        | 4'-0" Direct/indirect w/ white lens over round diffuser, w/ white housing w/ emergency battery  | Recessed             | Gypsum           |                  | RSA/COOPER                               | MRZ                               |
|                          |               |                |             |                    | OS                        | 2        | Low voltage occupancy sensor  | Ceiling              | Gypsum           |                  |  |                                   |
|                          |               |                | 1191        | WOMEN HC SHOWER #1 | N                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ prismatic lens, w/ silver housing and trim flange                       | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                    | NE                        | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ prismatic lens, w/ silver housing and trim flange, w/ emergency battery | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                    | \$P                       | 1        | Passive Infrared (PIR) Occupancy sensor wall switch (compatible with NE fixtures)   | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
| Kitchen                  | Purple        | K1             | 1220        | ELEC #2            | F2E                       | 1        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing, w/ emergency battery  | Pendant (Chain hang) | Gypsum           | BOF @ 9'-0" AFF  | METALUX/ COOPER                          | 4VT2                              |
|                          |               |                |             |                    | \$                        | 1        | Single pole switch (compatible w/ F2E fixtures)   | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               |                | 1230        | COMM #2            | F3                        | 1        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing  | Pendant              | Gypsum           | BOF @ 9'-0" AFF  | METALUX/ COOPER                          | 4VT2                              |
|                          |               |                |             |                    | F3E                       | 1        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing, w/ emergency battery  | Pendant              | Gypsum           | BOF @ 9'-0" AFF  | METALUX/ COOPER                          | 4VT2                              |
|                          |               |                |             |                    | \$                        | 1        | Single pole switch (compatible w/ F3 & F3E fixtures)  | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               |                | 1244        | TOILET             | E                         | 1        | 1x4 Recessed, wet location, w/aluminum door & acrylic lens  | Flange               | Gypsum           | 10'-0"           | FAIL-SAFE/ COOPER                        | CLMF                              |
|                          |               |                |             |                    | \$P                       | 1        | Passive Infrared (PIR) Occupancy sensor wall switch (compatible with E fixtures)  | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               |                | 1246        | CORRIDOR           | EG                        | 2        | 1x4 Recessed, wet location, w/aluminum door & acrylic lens  | Grid                 | Grid             |                  | FAIL-SAFE/ COOPER                        | CLMG                              |
|                          |               |                |             |                    | EGE                       | 2        | 1x4 Recessed, wet location, w/aluminum door & acrylic lens, w/ emergency battery  | Grid                 | Grid             |                  | FAIL-SAFE/ COOPER                        | CLMG                              |
|                          |               |                |             |                    | OS                        | 1        | Low voltage occupancy sensor  | Ceiling              | Grid             |                  |  |                                   |
|                          |               |                |             |                    | \$                        | 1        | Single pole switch (compatible w/ EG fixtures)  | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|                          |               |                | 1247        | JAN. CLOS.         | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange  | Recessed             | Gypsum           |                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                          |               |                |             |                    | \$P                       | 1        | Passive Infrared (PIR) Occupancy sensor wall switch (compatible with M fixtures)  | Wall                 | Gypsum           | 48" AFF to TOB   |  |                                   |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 4. Specifications and Details of New LED Fixtures and Controls-Base Scope

| Section       | Section Color | Section Marker | Room Number | Room Name     | Fixture Label on Drawings | Quantity | Description   | Mounting Description                 | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|---------------|---------------|----------------|-------------|---------------|---------------------------|----------|---|--------------------------------------|------------------|------------------|--|-----------------------------------|
| Kitchen       | Purple        | K1             | 1248        | DRY STORAGE   | CF                        | 2        | 2x4 LED Troffer w/ 0.125 thick #12 prismatic acrylic lens   | Recessed                             | Gypsum           |                  | METALUX/<br>COOPER                       | 24GR                              |
|               |               |                |             |               | OS                        | 1        | Low voltage occupancy sensor  | Ceiling                              | Gypsum           |                  |  |                                   |
|               |               | K2             | 1240        | FOOD PREP     | DG                        | 4        | 2x4 LED recessed, wet location, w/ aluminum door and prismatic lens   | Grid                                 | Grid             |                  | FAIL-SAFE/<br>COOPER                     | CLMG                              |
|               |               |                |             |               | DGE                       | 2        | 2x4 LED recessed, wet location, w/ aluminum door and prismatic lens, w/ emergency battery                     | Grid                                 | Grid             |                  | FAIL-SAFE/<br>COOPER                     | CLMG                              |
|               |               |                |             |               | \$                        | 1        | Single pole switch (compatible w/ DG fixtures)  | Wall                                 | Grid             | 48" AFF to TOB   |  |                                   |
|               |               |                |             |               | \$3                       | 1        | Three way switch (compatible with DG fixtures)  | Wall                                 | Grid             | 48" AFF to TOB   |  |                                   |
|               |               |                |             |               | OS                        | 2        | Low voltage occupancy sensor  | Ceiling                              | Grid             |                  |  |                                   |
|               |               |                |             |               |                           |          |   |                                      |                  |                  |  |                                   |
|               |               | K3             | 1241        | SERVING       | A2                        | 1        | 2x4 LED Troffer direct/indirect w/ round lamp shield  | Recessed                             | Gypsum           |                  | METALUX/<br>COOPER                       | 24RDI                             |
|               |               |                |             |               | A2E                       | 1        | 2x4 LED Troffer direct/indirect w/ round lamp shield , w/ emergency battery                                   | Recessed                             | Gypsum           |                  | METALUX/<br>COOPER                       | 24RDI                             |
|               |               |                |             |               | OS                        | 2        | Low voltage occupancy sensor  | Ceiling                              | Gypsum           |                  |  |                                   |
|               |               |                | 1242        | DISH DROP OFF | CF                        | 1        | 2x4 LED Troffer w/ 0.125 thick #12 prismatic acrylic lens   | Recessed                             | Gypsum           |                  | METALUX/<br>COOPER                       | 24GR                              |
|               |               |                |             |               | OS                        | 1        | Low voltage occupancy sensor  | Ceiling                              | Gypsum           |                  |  |                                   |
|               |               |                | 1243        | SCULLER       | D                         | 2        | 2X4 LED recessed, wet location, w/ aluminum door & prismatic lens   | Flange                               | Gypsum           |                  | FAIL-SAFE/<br>COOPER                     | CLMF                              |
|               |               |                |             |               | DE                        | 1        | 2X4 LED recessed, wet location, w/ aluminum door & prismatic lens, w/ emergency battery                       | Flange                               | Gypsum           |                  | FAIL-SAFE/<br>COOPER                     | CLMF                              |
|               |               |                |             |               | \$                        | 1        | Single pole switch (compatible w/ D & D fixtures)   | Wall                                 | Gypsum           | 48" AFF to TOB   |  |                                   |
|               |               |                |             |               |                           |          |   |                                      |                  |                  |  |                                   |
|               |               | K4             | 1249        | OFFICE        | A2                        | 2        | 2x4 LED Troffer direct/indirect w/ round lamp shield  | Recessed                             | Grid             |                  | METALUX/<br>COOPER                       | 24RDI                             |
|               |               |                |             |               | \$OS                      | 1        | Dual Technology Occupancy Sensor Switch (compatible w/ A2 Fixture   | Wall                                 | Grid             | 48" AFF to TOB   |  |                                   |
| Assembly Hall | Blue          | H1             | 1250        | ASSEMBLY HALL | PT3A                      | 42       | 3" LED Suspended pendant direct 8'-0" linear w/ white housing and diffuser                                    | Pendant<br>(Air Craft Cable @ 3'-0") | Gypsum           | BOF @ 20'-6" AFF | NEO-RAY/<br>COOPER                       | S123DP                            |
|               |               |                |             |               | PT3AE                     | 6        | 3" LED Suspended pendant direct 8'-0" linear w/ white housing and diffuser                                    | Pendant<br>(Air Craft Cable)         | Gypsum           | BOF @ 20'-6" AFF | NEO-RAY/<br>COOPER                       | S123DP                            |
|               |               |                |             |               | PT3B                      | 5        | 3" LED Suspended pendant direct 8'-0" linear w/ white housing and diffuser                                    | Pendant<br>(Air Craft Cable)         | Gypsum           | BOF @ 20'-6" AFF | NEO-RAY/<br>COOPER                       | S123DP                            |
|               |               |                |             |               | PT3BE                     | 3        | 3" LED Suspended pendant direct 8'-0" linear w/ white housing and diffuser                                    | Pendant<br>(Air Craft Cable)         | Gypsum           | BOF @ 20'-6" AFF | NEO-RAY/<br>COOPER                       | S123DP                            |
|               |               | H2             |             |               | WT                        | 14       | Interior, half pyramid, up light wall sconce-w/ open bottom, dimmable, tempered glass difusser, black housing | Wall                                 | Gypsum           | BOF @ 8' AFF     | NDTW_LED/<br>LIGHTWAY INDUSTRIES         | NDTW-14-LED                       |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 4. Specifications and Details of New LED Fixtures and Controls-Base Scope

| Section           | Section Color | Section Marker | Room Number | Room Name     | Fixture Label on Drawings | Quantity | Description  | Mounting Description | Mounting Surface   | Mounting Height*        | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|-------------------|---------------|----------------|-------------|---------------|---------------------------|----------|--|----------------------|--------------------|-------------------------|--|-----------------------------------|
| Assembly Hall     | Blue          | H2             | 1250        | ASSEMBLY HALL | \$1                       | 1        | Six scene/circuit dimmer system  | Wall                 | Gypsum             | 48" AFF to TOB          |  |                                   |
|                   |               |                |             |               | \$                        | 2        | Slave switch for multi-scene dimmer system   | Wall                 | Gypsum             | 48" AFF to TOB          |  |                                   |
|                   |               | H3             |             |               | F2                        | 5        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens & chain mount                                  | Pendant (Chain hang) | Gypsum             | BOF @ 9'-0" AFF         | METALUX/ COOPER                          | 4VT2                              |
| Auditorium        | Pink          | A1             | 1150        | AUDITORIUM    | P2                        | 2        | 3" Dia. LED Suspended pendant 4'-0" nominal length direct w/ black housing and prismatic acrylic lens                          | Pendant (Stem)       | Gypsum             | 10'-0"                  | NEO-RAY/ COOPER                          | S123DP                            |
|                   |               |                |             |               | MD                        | 3        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed             | Gypsum             | 10'-0"                  | PORTFOLIO/ COOPER                        | LDRT6                             |
|                   |               |                |             |               | L                         | 2        | Recessed adjustable multi-lamp LED accent light  | Recessed             | Gypsum             | 10'-0"                  | RSA/COOPER                               | MRZ-4-REC                         |
|                   |               |                |             |               | \$                        | 5        | Single Pole Switch (compatible with P2, MD, L, F2, and CF fixtures)  | Wall                 | Gypsum             | 48" AFF to TOB          |  |                                   |
|                   |               | 1151           | A/V CLOSET  | A/V CLOSET    | F2                        | 1        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens & chain mount                                  | Pendant (stem)       |                    | BOF @ 9'-0" AFF         | METALUX/ COOPER                          | 4VT2                              |
|                   |               |                |             |               | \$                        | 1        | Single pole switch (compatible w/ D & DE fixtures)   | Wall                 |                    | 48" AFF to TOB          |  |                                   |
|                   |               |                | 1152        | STORAGE       | CF                        | 1        | 2x4 LED Troffer w/ 0.125 thick #12 prismatic acrylic lens  | Recessed             |                    | 10'-0"                  | METALUX/ COOPER                          | 24GR                              |
|                   |               | A2             | 1150        | AUDITORIUM    | WT                        | 10       | Interior, half pyramid, up light wakk scibce-w/ open bottom, dimmable, tempered glass difusser, black housing                  | Wall                 | Gypsum             |                         | NDTW_LED/ LIGHTWAY INDUSTRIES            | NDTW-14-LED                       |
|                   |               |                |             |               | PD                        | 15       | ~21"-23" Dia. LED Black drum w/ up/down distribution   | Pendant (Stem)       | Grid               | 24" From Ceiling to BOF | TARGETTI-THREESIXTY SUSPENSION           | 360-SU                            |
|                   |               |                |             |               | OS                        | 5        | Low voltage occupancy sensor (compatible with PD fixture)  | Ceiling              | Grid               | 24' AFF                 |  |                                   |
| Building Exterior | Yellow        | E1             | N/A         | N/A           | W                         | 32       | Exterior wall surface, narrow beam-down light, black housing   | Wall                 | Precast wall panel | COF @ 15'-6" AFF        | BEGA                                     | 24035                             |
|                   |               |                | N/A         | N/A           | W2                        | 11       | Exterior wall surface, narrow beam-up/down light, black housing  | Wall                 | Precast wall panel | COF @ 15'-4-3/4" AFF    | BEGA                                     | 66516                             |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture



Table 5. Specifications and Details of New LED Fixtures and Controls-Add. Alt. #1

| Section                                 | Section Color | Section Marker | Room Number | Room Name    | Fixture Label on Drawings | Quantity | Description  | Mounting Description    | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|---|---------------|----------------|-------------|--------------|---------------------------|----------|--|-------------------------|------------------|------------------|--|-----------------------------------|
| Add. Alt. 1<br>(Storage Units & Vaults) | Black         | AA1-1          | 1200        | UNIT STORAGE | F2                        | 4        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens & chain mount                        | Pendant<br>(Chain hang) | Gypsum           | BOF @ 9'-0" AFF  | METALUX/<br>COOPER                       | 4VT2                              |
|   |               |                |             |              | F2E                       | 4        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing, w/ emergency battery | Pendant<br>(Chain hang) | Gypsum           | BOF @ 9'-0" AFF  | METALUX/<br>COOPER                       | 4VT2                              |
|   |               |                |             |              | OS                        | 2        | Low voltage occupancy sensor   | Ceiling                 | Grid             | 10'-0"           |  |                                   |
|   |               |                | 1201        | VAULT "A"    | JE                        | 2        | 4'-0" Utility LED Wraparound w/ white housing  | Surface                 | Concrete         | 10'-0"           | METALUX/<br>COOPER                       | WNLED                             |
|   |               |                |             |              | \$OS                      | 1        | Single relay wall mounted dual technology occupancy sensor switch  | Wall                    | Gypsum           | 48" AFF to TOB   |  |                                   |
|   |               |                | 1202        | VAULT "B"    | JE                        | 2        | 4'-0" Utility LED Wraparound w/ white housing  | Surface                 | Concrete         | 10'-0"           | METALUX/<br>COOPER                       | WNLED                             |
|   |               |                |             |              | \$OS                      | 1        | Single relay wall mounted dual technology occupancy sensor switch  | Wall                    | Gypsum           | 48" AFF to TOB   |  |                                   |
|   |               | AA1-2          | 1210        | UNIT LOCKER  | F2                        | 20       | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens & chain mount                        | Pendant<br>(Chain hang) | Gypsum           | BOF @ 9'-0" AFF  | METALUX/<br>COOPER                       | 4VT2                              |
|   |               |                |             |              | F2E                       | 8        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing, w/ emergency battery | Pendant<br>(Chain hang) | Gypsum           | BOF @ 9'-0" AFF  | METALUX/<br>COOPER                       | 4VT2                              |
|   |               |                |             |              | OS                        | 4        | Low voltage occupancy sensor   | Ceiling                 | Grid             | 10'-0"           |  |                                   |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 6. Specifications and Details of New LED Fixtures and Controls-Add. Alt. #2

| Section                           | Section Color | Section Marker | Room Number | Room Name       | Fixture Label on Drawings | Quantity | Description  | Mounting Description          | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|-----------------------------------|---------------|----------------|-------------|-----------------|---------------------------|----------|--|-------------------------------|------------------|------------------|--|-----------------------------------|
| Add. Alt. 2<br>(Recreation Rooms) | Black         | AA2-1          | 1031        | CLOSET          | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/<br>COOPER                     | LDRT6                             |
|                                   |               |                |             |                 | \$P                       | 1        | Passive infrared occupancy sensor wall switch (Compatible with M fixture)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                | 1032        | CONFERENCE ROOM | PT2A                      | 4        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing  | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/<br>COOPER                       | S123DP                            |
|                                   |               |                |             |                 | PT2AE                     | 2        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing, w/ emergency battery                              | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/<br>COOPER                       | S123DP                            |
|                                   |               |                |             |                 | OS                        | 1        | Low voltage occupancy sensor   | Wall                          | Gypsum           |                  |  |                                   |
|                                   |               |                |             |                 | \$                        | 1        | Wall switch to control lighting level (Compatible with PT2A fixtures)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                |             |                 | \$D                       | 1        | Dimmer switch to control lighting level (Compatible with PT2A fixtures)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                |             |                 | M                         | 1        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/<br>COOPER                     | LDRT6                             |
|                                   |               |                |             |                 | MD                        | 6        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/<br>COOPER                     | LDRT6                             |
|                                   |               |                |             |                 | OS                        | 1        | Low voltage occupancy sensor   | Wall                          | Gypsum           |                  |  |                                   |
|                                   |               |                |             |                 | \$D                       | 2        | Dimmer switches to control lighting level  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                | 1040        | HHC OPEN OFFICE | A2                        | 4        | 2x4 LED Troffer direct/indirect volumetric w/ round perforated lamp shield w/ white housing                                    | Recessed                      | Grid             | 10'-0"           | METALUX/<br>COOPER                       | 24RDI                             |
|                                   |               |                |             |                 | A2E                       | 2        | 2x4 LED Troffer direct/indirect volumetric w/ round perforated lamp shield w/ white housing w/ emergency battery               | Recessed                      | Grid             | 10'-0"           | METALUX/<br>COOPER                       | 24RDI                             |
|                                   |               |                |             |                 | \$                        | 1        | Wall switch to control lighting level (Compatible with A2 fixtures)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                |             |                 | OS                        | 2        | Low voltage occupancy sensor   | Ceiling                       | Grid             |                  |  |                                   |
|                                   |               |                |             |                 | B3                        | 4        | 2x2 LED Troffer direct/indirect w/ round lamp shield w/ white housing  | Recessed                      | Grid             | 10'-0"           | METALUX/<br>COOPER                       | 22RDI                             |
|                                   |               |                |             |                 | OS                        | 1        | Low voltage occupancy sensor   | Ceiling                       | Grid             |                  |  |                                   |
|                                   |               |                |             |                 | \$                        | 2        | Wall switches wired to control multi level lighting (Compatible with B3 fixtures)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                | 1042        | TST SGT         | A2                        | 2        | 2x4 LED Troffer direct/indirect volumetric w/ round perforated lamp shield w/ white housing                                    | Recessed                      | Grid             | 10'-0"           | METALUX/<br>COOPER                       | 24RDI                             |
|                                   |               |                |             |                 | OS                        | 1        | Low voltage occupancy sensor   | Ceiling                       | Grid             |                  |  |                                   |
|                                   |               |                |             |                 | \$                        | 1        | Wall switch to control lightitng level (Compatible with A2 fixtures)   | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 6. Specifications and Details of New LED Fixtures and Controls-Add. Alt. #2

| Section                           | Section Color | Section Marker | Room Number | Room Name     | Fixture Label on Drawings | Quantity | Description  | Mounting Description          | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|-----------------------------------|---------------|----------------|-------------|---------------|---------------------------|----------|--|-------------------------------|------------------|------------------|--|-----------------------------------|
| Add. Alt. 2<br>(Recreation Rooms) | Black         | AA2-1          | 1043        | ORDERLY ROOM  | A3                        | 2        | 2x4 LED Troffer direct/indirect volumetric w/ round perforated lamp shield w/ white housing                                    | Recessed                      | Grid             | 10'-0"           | METALUX/<br>COOPER                       | 24RDI                             |
|                                   |               |                |             |               | OS                        | 1        | Low voltage occupancy sensor   | Ceiling                       | Grid             |                  |  |                                   |
|                                   |               |                |             |               | \$                        | 2        | Wall switches wired to control multi level lighting (Compatible with A3 fixtures)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                | 1050        | BREAK ROOM #1 | A2                        | 2        | 2x4 LED Troffer direct/indirect volumetric w/ round perforated lamp shield w/ white housing                                    | Recessed                      | Grid             | 10'-0"           | METALUX/<br>COOPER                       | 24RDI                             |
|                                   |               |                |             |               | OS                        | 1        | Low voltage occupancy sensor   | Ceiling                       | Grid             |                  |  |                                   |
|                                   |               | AA2-2          | 1020        | RECRUITING    | PT2A                      | 3        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing  | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/<br>COOPER                       | S123DP                            |
|                                   |               |                |             |               | PT2AE                     | 1        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing, w/ emergency battery                              | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/<br>COOPER                       | S123DP                            |
|                                   |               |                |             |               | MD                        | 4        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/<br>COOPER                     | LDRT6                             |
|                                   |               |                |             |               | OS                        | 1        | Low voltage occupancy sensor   | Wall                          | Gypsum           |                  |  |                                   |
|                                   |               |                |             |               | \$D                       | 1        | Dimmer switch to control lighting level (Compatible with MD fixtures)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                |             |               | \$D3                      | 1        | Three way dimmer switch to control lighting level (Compatible with PT2A fixtures)  | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|                                   |               |                |             |               | \$3                       | 1        | Three way switch to control lighting level (Compatible with PT2A fixtures)   | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box

Table 7. Specifications and Details of New LED Fixtures and Controls-Add. Alt. #3

| Section  | Section Color | Section Marker | Room Number | Room Name     | Fixture Label on Drawings | Quantity | Description  | Mounting Description          | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|--|---------------|----------------|-------------|---------------|---------------------------|----------|--|-------------------------------|------------------|------------------|--|-----------------------------------|
| Add. Alt. 3<br>(Mechanical Room & Library/Learning Center) | Black         | AA3-1          | 1100        | MECHANICAL #1 | F2                        | 5        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens & chain mount                                  | Pendant<br>(Chain hang)       | Gypsum           | BOF @ 9'-0" AFF  | METALUX/ COOPER                          | 4VT2                              |
|  |               |                |             |               | F2E                       | 2        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing, w/ emergency battery           | Pendant<br>(Chain hang)       | Gypsum           | BOF @ 9'-0" AFF  | METALUX/ COOPER                          | 4VT2                              |
|  |               |                |             |               | \$3                       | 4        | Three way switch (Compatible with F2 fixtures)   | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|  |               |                | 1110        | COMM #1       | F3                        | 2        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing                                 | Pendant                       | Gypsum           | BOF @ 9'-0" AFF  | METALUX/ COOPER                          | 4VT2                              |
|  |               |                |             |               | F3E                       | 2        | 4'-0" Industrial LED lamp Vaportite refrigerated case w/ prismatic acrylic lens, white housing, w/ emergency battery           | Pendant                       | Gypsum           | BOF @ 9'-0" AFF  | METALUX/ COOPER                          | 4VT2                              |
|  |               |                |             |               | \$                        | 1        | Slave switch (Compatible with F3 fixtures)   | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|  |               | AA3-2          | 1070        | LEARNING CTR. | MD                        | 6        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |
|  |               |                |             |               | PT2A                      | 5        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing  | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|  |               |                |             |               | PT2AE                     | 1        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing, w/ emergency battery                              | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|  |               |                |             |               | \$D                       | 2        | Dimmer switch to control lighting level (Compatible with PT2A and MD fixtures)   | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|  |               |                |             |               | OS                        |          | Low voltage occupancy sensor   | Wall                          | Gypsum           |                  |  |                                   |
|  |               |                | 1080        | LIBRARY       | MD                        | 6        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |
|  |               |                |             |               | PT2A                      | 5        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing  | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|  |               |                |             |               | PT2AE                     | 1        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing, w/ emergency battery                              | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/ COOPER                          | S123DP                            |
|  |               |                |             |               | OS                        | 1        | Low voltage occupancy sensor   | Wall                          | Gypsum           |                  |  |                                   |
|  |               |                |             |               | \$D                       | 2        | Dimmer switch to control lighting level (Compatible with PT2A and MD fixtures)   | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|  |               | AA3-3          | N/A         | N/A           | MD                        | 8        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/ COOPER                        | LDRT6                             |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 7. Specifications and Details of New LED Fixtures and Controls-Add. Alt. #3

| Section  | Section Color | Section Marker | Room Number | Room Name | Fixture Label on Drawings | Quantity | Description  | Mounting Description          | Mounting Surface | Mounting Height* | Manufacturer<br>(OR APPROVED EQUIVALENT) | Model<br>(OR APPROVED EQUIVALENT) |
|--|---------------|----------------|-------------|-----------|---------------------------|----------|--|-------------------------------|------------------|------------------|--|-----------------------------------|
| Add. Alt. 3<br>(Mechanical Room & Library/Learning Center) | Black         | AA3-3          | N/A         | N/A       | M                         | 2        | 6" Round, LED retrofit/install from below downlight w/ adapter ring for 8-9/16" max opening, w/ silver housing and trim flange | Recessed                      | Gypsum           | 10'-0"           | PORTFOLIO/<br>COOPER                     | LDRT6                             |
|  |               |                |             |           | PT2A                      | 8        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing  | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/<br>COOPER                       | S123DP                            |
|  |               |                |             |           | PT2AE                     | 1        | 3" LED Suspended pendant 4'-0" linear, direct w/ diffuser and black housing, w/ emergency battery                              | Pendant<br>(Aircraft @ 1'-6") | Grid             | 10'-0"           | NEO-RAY/<br>COOPER                       | S123DP                            |
|  |               |                |             |           | OS                        | 1        | Low voltage occupancy sensor   | Wall                          | Gypsum           |                  |  |                                   |
|  |               |                |             |           | \$                        | 2        | Slave switch to control the multi-scene dimmer system (Compatible with MD, M, and PT2A fixtures)                               | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |
|  |               |                |             |           | \$P                       | 2        | Passive infrared occupancy sensor wall switch (Compatible with MD, M, and PT2A fixtures)                                       | Wall                          | Gypsum           | 48" AFF to TOB   |  |                                   |

\* BOF=Bottom of Fixture; AFF=Above Finished Floor; TOB= Top of Box, COF=Center of Fixture

Table 8. Summary of Power Supply to Existing Lighting Fixtures Within B29 First Floor

| Section  | Section Marker | Panel | Circuit            |
|--|----------------|-------|--------------------|
| Lobby & Corridors  | L1, L2         | 1ELP1 | 9                  |
|  | L3             | 1ELP1 | 1,6                |
|  | L4             | 1ELP1 | 6                  |
|  | L5, L6         | 1ELP1 | 7                  |
|  | L7             | 2ELP1 | 10                 |
| Command Suite  | C1             | 1ELP1 | 8,12               |
| Restrooms & Locker Rooms                                 | R1             | 1ELP1 | 4                  |
|  | R2, R3         | 1ELP1 | 17                 |
|  | R4, R5         | 1ELP1 | 6                  |
| Kitchen  | K1, K2, K3, K4 | 1ELP1 | 19                 |
| Assembly Hall  | H1             | 2ELP1 | 18, 19, 20, 21, 23 |
|  | H2             | 1ELP1 | 2                  |
|  | H3             | 1ELP1 | 19                 |
| Auditorium   | A1             | 1ELP1 | 1, 13              |
|  | A2             | 1ELP1 | DP: 14, 16,18      |
| Building Exterior  | E1             | 2ELP1 | 4, 16, 17          |
| Add. Alt. #1 (Storage Units & Vaults)                    | AA1-1          | 1ELP1 | 13                 |
|  | AA1-2          | 1ELP1 | 15                 |
| Add. Alt. #2 (Recreation Rooms)                          | AA2-1          | 1ELP1 | 12, 20             |
|  | AA2-2          | 1ELP1 | 8                  |
| Add. Alt. #3 (Mechanical Room & Library/Learning Center) | AA3-1          | 1ELP1 | 11                 |
|  | AA3-2, AA3-3   | 1ELP1 | 10                 |