SECTION 16500 - LIGHTING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Division 1 - General Requirements is made a part of this section.

B. Submittals: Product Data for each luminaire, including lamps.

C. Fixtures, Emergency Lighting Units, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

D. Coordinate ceiling-mounted luminaires with ceiling construction, mechanical work, and security and fire-prevention features mounted in ceiling space and on ceiling.

E. Program houses with 7 or more occupant must have emergency lighting installed.

PART 2 - PRODUCTS

2.1 LUMINAIRES

A. Fixture:

1. Products, Interior Lighting: Reference drawings for all lighting and fixtures.

   LOCATION: Bedrooms, Common Rooms, Dining Rooms, Living Rooms, High Rise Common Corridors unless otherwise noted/directed by Owner.

   a. Incon Lighting – Model #11911-413QE-ES; 19” Diameter.
      (www.inconlighting.com) Ph. #800-393-5630, New England Lighting Incorporated – 119 Series or approved equal.
      1) Wattage: (4) 13 Watt quad; lamps included
      2) Ballast: Electronic
      3) Lens Type: UV stabilized white translucent acrylic
      4) Housing/Finish: Steel spun powder coated white
      5) Options: Energy Star

   LOCATION: Woodframe Corridors (or as noted/directed by Owner)

   b. Incon Lighting – Model #11411-213QE-ES; 14” Diameter.
      (www.inconlighting.com) Ph. #800-393-5630, New England Lighting Incorporated - 114 Series or Approved Equal.
      1) Wattage: (2) 13 Watt quad; lamps included
      2) Ballast: Electronic
      3) Lens Type: UV stabilized white translucent acrylic
      4) Housing/Finish: Steel spun powder coated white
      5) Options: Energy Star

   LOCATION: Bathroom Ceilings (or as noted/directed by Owner)

   c. Incon Lighting – Model #11411-213QE-ES; 14” Diameter.
      (www.inconlighting.com) Ph. #800-393-5630, New England Lighting Incorporated - 114 Series or Approved Equal.
      1) Wattage: (2) 13 Watt quad; lamps included
      2) Ballast: Electronic
3) Lens Type: UV stabilized white translucent acrylic  
4) Housing/Finish: Steel spun powder coated white  
5) Options: Energy Star

**LOCATION:** As noted/directed by Owner)

d. Incon Lighting – Model #11111-213QE-ES; 11” Diameter.  
   (www.inconlighting.com) Ph. #800-393-5630, New England Lighting Incorporated - 114 Series or Approved Equal.  
   1) Wattage: (2) 13 Watt quad; lamps included  
   2) Ballast: Electronic  
   3) Lens Type: UV stabilized white translucent acrylic  
   4) Housing/Finish: Steel spun powder coated white  
   5) Options: Energy Star

**LOCATION: Above bathroom medicine cabinets**

e. Incon 5201 Series or approved equal.  
   1) Housing/Finish: White finished cold rolled steel with white end caps  
   2) Length: 24.25” or 48.25” as required for the installation  
   3) Lamps: (2) 17W T8 electronic, contractor to provide  
   4) Ballast: 120 V, normal power factor, Class P  
   5) Lens: Smooth white UV stabilized acrylic  
   6) Options: Energy Star  
   7) Wire to wall switch

**LOCATION: Kitchens** (or as noted/directed by Owner)

   1) WCFO: Oak Drop Dish fixture  
   2) Size (Woodframe houses): 19” x 49”  
   3) Size (High Rise): 19” x 25”  
   4) Finish: Hand rubbed, medium oak stain  
   5) Lamps: 432; (4) 32W 48” T8  
   6) Ballast: Electronic T8, dual ballasts  
   7) Voltage: UNV 120V  
   8) Energy Star

**LOCATION: Under Cabinet** (or as noted/directed by Owner)

g. Simkar Corporation – Series UW Task Lighting, Post Painted, Electronic Start.  
   (www.simkar.com) Ph. #800-523-3602  
   1) Lamps: (1) 17W 24” T8  
   2) Ballast: Electronic T8, high ballast factor  
   3) Option: LA

**LOCATION: Closets**

h.  
   1) N-Vision  
   2) 17W - Compact Fluorescent Light Bulb – Dome Cover  
   3) Energy Star
i. **LOCATION: Basement** (or as noted/directed by the owner)
   17W - Compact Fluorescent Light Bulb – Dome Cover

j. **LOCATION: HIGH MOISTURE SHOWER ROOMS:**
   1) Columbia Model FNPV
   2) Length: 4’-0”
   3) Lamps: (2) 32W T8
   4) Ballast: Electronic T8
   5) Voltage: 120V
   6) Lens: TBD, (review w/ Owner per location).
   7) Accessories: As required based on location.

2. **Products, Exterior Lighting:**

   a. **LOCATION: Exterior Porch Lights for Woodframes:** (style dependent upon installation application)

   **INCON LIGHTING:**
   Series 3259 – Model Number 32515-26QE-ES PE: Black hood, white lens, 35K lamp included, wet location listed, insect resistant, photo cell, Energy Star.

   **INCON LIGHTING:**
   Series 304 – Model Number 30415-13QE-ES PE: Black hood, white lens, lamp included, damp location listed, photo cell, Energy Star.

   **INCON LIGHTING: Ceiling Mounted**

   **Designers Edge:**
   Model #L-80-13W-BR - One-light downward wall sconce, bronze with acrylic prismatic lens globe, electronic ballast, lamp included, dusk to dawn photocell

**PART 3 - EXECUTION**

3.1 **INSTALLATION**

   A. Set units level, plumb, and square with ceiling and walls, and secure.

   B. Lamping: Where specific lamp designations are not indicated, lamp units according to manufacturer's written instructions.

   C. Clean and relamp existing fixtures.

   D. Any ceiling with a pull string shall be wired for switch at entry, includes but not limited to bedrooms, basements etc.

   E. Contractor to provide concrete bases where required when installing exterior pole light fixtures.

END OF SECTION 16500