PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:
   1. Furnish and install wiring devices complete with plates as described in Contract Documents.

B. Related Sections
   1. Section 26 0501: Common Electrical Requirements.

PART 2 - PRODUCTS

2.1 GENERAL

A. Faces shall be nylon where available.

B. Devices of single type shall be from same Manufacturer.

C. Devices are listed as white. Use white devices on light colored walls and brown on dark walls.

2.2 MANUFACTURED UNITS

A. Switches:
   1. Rectangular Face Designer Style:
      a. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
      1) 20 AMP, single pole:
         a) Cooper: DECB120W.
         b) Hubbell: HBL2121WA.
         c) Leviton: 5621-2W.
         d) Pass & Seymour: 2621-W.
      2) Two Pole:
         a) Cooper: DECB220W.
         b) Hubbell: HBL2122WA.
         c) Leviton: 5622-2W.
         d) Pass & Seymour: 2622-W.
      3) Three Way:
         a) Cooper: DECB320W.
         b) Hubbell: HBL2123WA.
         c) Leviton: 5623-2W.
         d) Pass & Seymour: 2623-W.
      4) Four Way:
         a) Cooper: DECB420W.
         b) Hubbell: HBL2124WA.
         c) Leviton: 5624-2W.
         d) Pass & Seymour: 2624-W.
5) Pilot Switch:
   a) Single Pole:
      (1) Cooper: 2221PL.
      (2) Hubbell: HBL1221PL.
      (3) Pass & Seymour: PS20AC1-RPL.
      (4) Leviton: 1221-PLR.
   b) Double Pole:
      (1) Cooper: 2222PL.
      (2) Hubbell: HBL1222PL.
      (3) Pass & Seymour: PS20AC2-RPL.
      (4) Leviton: 1222-PL.

6) Lighted Toggle Switch:
   a) Single Pole:
      (1) Cooper: DECB120LW.
      (2) Hubbell: HBL2121ILWA.
      (3) Leviton: 5631-2W.
      (4) Pass & Seymour: 2625-W.
   b) Three Way:
      (1) Cooper: DECB320LW.
      (2) Hubbell: HBL2123IWA.
      (3) Leviton: 5633-2W.
      (4) Pass & Seymour: 26266-W.

2. Exhaust Fan Timer Switches:
   a. Rest Rooms and Mother's Room:
      1) 0-15 minute, no hold position.
      2) Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         a) Intermatic: FD15MWC.
         b) Paragon: SWD15M-W.
         c) Tork: A515MW.
   b. Custodian Room:
      1) 24 hour, in-wall, multiple automatic ON-OFF settings.
      2) Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         a) Intermatic: E1020.
         b) Tork: 701A.

B. Receptacles:
   1. Rectangular Face Designer Style:
      a. 15 AMP, specification grade, back and side wired, self grounding.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper: 6262W.
         2) Hubbell: HBL2152WA.
         3) Leviton: 16252-W.
         4) Pass & Seymour: 26252-W.
   2. Range Receptacle:
      a. Three pole, four wire grounding, 125 / 250 V, NEMA 14-50R, 50 AMP complete with plate.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper: 1258.
         2) Hubbell: HBL9450A.
         3) Leviton: 279.
         4) Pass & Seymour: 3894.
   3. Ground Fault Circuit Interrupter (GFCI):
      a. 15 AMP, specification grade.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper: GF15W.
         2) Hubbell: GF5252WA.
         3) Leviton: 8599-W.
         4) Pass & Seymour: 1594-W.
   4. Basketball Standard Receptacle:
      a. Three pole, four wire grounding, 125 / 250V, locking type, NEMA L14-20R, 20 AMP, complete with plate.
b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
   1) Cooper: CWL1420R
   2) Hubbell: HBL2410
   3) Leviton: 2410
   4) Pass & Seymour: L1420-R

C. Telephone Jacks:
   1. Desk Type:
      a. 4 conductor, screw terminals, voice grade.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper: 3532-4W.
         2) Leviton: 40249-W.
         3) Pass & Seymour: TPTE1-W.
         4) Suttle: 625B4-4-85.
   2. Wall Type:
      a. 4 conductor, screw terminals, voice grade.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper: 3521-4W.
         2) Leviton: 40257-W.
         3) Pass & Seymour: WMTE14-W.
         4) Suttle: 630AC4-85.
   3. Module Type:
      a. For use in data faceplates.
      b. 8 conductor, punch-down, voice grade.
      c. Type Two Acceptable Products:
         1) Siemon: MX3-F-U4-02
         2) Equal as approved by Architect before use. See Section 01600.

D. Data Jacks:
   1. For use in data faceplates.
   2. 8 conductor, punch-down T568B wiring configuration, CAT 5e.
   3. Type Two Acceptable Products:
      a. Flat Jack: Siemon MX5-F02
      b. Angled Jack: Siemon MX5-02
      c. Equal as approved by Architect before use. See Section 01600.

E. Plates:
   1. Standard Cover Plates:
      a. Office / Occupied Areas:
         1) Nylon or high impact resistant thermoplastic.
         2) Color shall match wiring device.
      b. All Other: Stainless Steel.
      c. Ganged switches shall have gang plates.
      d. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper.
         2) Hubbell.
         3) Leviton.
         4) Pass & Seymour.
   2. Data Faceplates:
      a. Include blank inserts to fill unused module openings.
      b. Standard Wall Type:
         1) Use only in rooms that can be locked.
         2) Single Gang, 4 Modules
         3) Type Two Acceptable Products:
            a) Siemon MX-FP-S-04-02
            b) Equal as approved by Architect before use. See Section 01600.
      c. Tamper-Proof Wall Type:
         1) Use only in rooms that cannot be locked.
         2) Single Gang, 6 Modules
3) Type Two Acceptable Products:
   a) Siemon MX-FP-S-06-02
   b) Equal as approved by Architect before use. See Section 01600.

3. Weatherproof In-Use Receptacle Covers:
   a. NEMA 3R rated.
   b. Cast aluminum.
   c. Compatible with GFCI receptacles.
   d. Complete with weather resistant gaskets and stainless steel screws.
   e. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
      1) Hubbell: WP26M, horizontal; WP26MH, vertical.
      2) Intermatic: WP1010HMC, horizontal; WP1010MC, vertical.
      3) Red Dot: CKMG, horizontal; CKMGV, vertical.

F. Occupancy Sensors:
   1. Ceiling, ultrasonic type.
      a. Complete with sensor and combined relay / control transformer.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Mytech:
            b) Relay / Transformer: 120 V: MP 120 A or 277 V: MP 277 A.
         2) Novitas:
            a) Sensor: 01-083.
            b) Relay / Transformer: 120 / 277 V, 13-0511.
         3) Pass & Seymour: 120 V.
            b) Relay / Transformer: PWP120.
         4) Tork:
            b) Relay / Transformer: 120 V: TRP1 or 277 V: TRP2.
      5) Unenco: 120 V.
         a) Two-Part Unit:
            (1) Sensor: C-500-800-QT1.
            (2) Relay / Transformer: 211-QT1.
         b) Self-Contained Unit: Sensor / Relay C-500-800-SC.
      6) Watt Stopper:
         a) Sensor: W-500A.
         b) Relay / Transformer: 120 V: B120E-P or 277 V: A277E-P.

G. Data Patch Panel:
   1. Panel:
      a. Meet requirements of TIA / EIA 568 Standard.
      b. CAT 5e, 48 ports groups in eight 6-port modules, T568B wiring configuration, 19 inch 475 mm width.
      c. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper: 5548.
         3) Ortronics: OR-851004038.
   2. Mounting Bracket:
      a. Hinged, wall mounted, 19 inches wide by 5 inches deep.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Cooper: 5549-2.
         2) Leviton: 49251-W62.
         3) Ortronics: OR-604004068.

H. Control Relays for Sound System Power:
   1. 20 AMP, 120 VAC minimum load contacts.
   2. 24 VDC control coil.
3. NEMA / CEMA 1 enclosure.
4. Relay and enclosure shall be UL listed as an assembly.
5. Type Two Acceptable Products:
   a. Class 8501 Type CDO6-V53 with Class 9991 Type UE1 enclosure by Square D.
   b. 700-HG45Z24 with 700-HN120 enclosure by Allen-Bradley.
   c. Equal as approved by Architect before installation. See Section 01 6000.

2.3 MANUFACTURERS

A. Contact Information:
  14. Red Dot, Boston, MA (617) 361-1710.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install devices flush with walls, straight, and solid to box.

B. Label dimmer switch groupings with 1/16 inch 1.5 mm thick laminated plastic composition material with contrasting color core. Engraved letter shall be 1/4 inch 6 mm high.

END OF SECTION