

SECTION 16140

WIRING DEVICES

**Part 1 -Design Directives**

Specification grade duplex receptacles shall be U-ground and rated for 125 Volt, 20 amps. Hubbell wiring devices are preferred but any of those listed below may be used.

Duplex receptacles equipped with ground fault circuit interrupters shall be specification grade, feed through type. All receptacles in bathrooms and on the building exterior as well as mechanical rooms, utility vaults and any wet locations shall be GFCI type.

Toggle switches shall be full size, heavy duty, and AC type rated for 120/277 volts and 20 amps.

**Part 2 -Products**

The following part numbers represent the base product. The architect in consultation with the Dartmouth College project manager shall determine color.

| <b>Duplex receptacles:</b> |       |
|----------------------------|-------|
| Arrow Hart                 | #5362 |
| Bryant                     | #5362 |
| Hubbell                    | #5362 |
| Leviton                    | #5362 |
| Pass & Seymour             | #5362 |

| <b>GFCI duplex receptacles:</b> |          |
|---------------------------------|----------|
| Arrow Hart                      | #GF5342  |
| Bryant                          | #GFR53FT |
| Hubbell                         | #GF362   |
| Leviton                         | #8899    |
| Pass & Seymour                  | #2094    |

| <b>Toggle Switches:</b> |             |          |          |             |
|-------------------------|-------------|----------|----------|-------------|
|                         | Single Pole | 3-Way    | 4-Way    | Key type    |
| Arrow Hart              | #1991       | #1993    | #1994    | #4900L      |
| Bryant                  | #4901       | #4903    | #4904    | #4900L      |
| Hubbell                 | #1221       | #1223    | #1224    | #1221L      |
| Leviton                 | #1221       | #1223    | #1224    | #1221L      |
| Pass & Seymour          | #PS20AC1    | #PS20AC3 | #PS20AC4 | #PS20AC1- C |

Special purpose receptacles shall be U-ground specification grade with back and side wiring.

Single device dimmers shall be Lutron N2000 Series or approved equal. Minimum size shall be 1000 watt.

| <b>Device plates shall be:</b>                                |                        |
|---|------------------------|
| Arrow Hart, Bryant, Hubbell,<br>Leviton, Pass & Seymour, Raco | Stainless Steel Series |

Factory colored stainless steel plates are also acceptable when the architect specifies color.

**Part 3           -Execution**

All devices shall be securely installed with the ears of the device yoke mated flush to the building finish. In locations where device ears do not mate to the building finish, UL listed spacers may be used to ensure the device is properly fastened to the box.

When more than two circuit conductors are present in an outlet box, the conductors shall be “pig-tailed” so that removal of the device at some future date does not interrupt the continuity of the remainder of the circuit.