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- 3. Tork.
- 4. Substitutions: Under provisions of Section 01600.
- B. Enclosure: NEMA ICS 2; Type as required to meet conditions of installation unless indicated on the Drawings.
- C. Time clocks to be a 7-day, 24-hour, day skipping with minimum 12-hour carryover.

## 2.7 PHOTOCELL SWITCH

- A. Manufacturers:
  - 1. Intermatic.
  - 2. Paragon.
  - 3. Tork.
  - 4. Substitutions: Under provisions of Section 01600.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify conditions under provisions of Section 01039.
- B. Verify outlet boxes are installed at proper height.
- C. Verify wall openings are neatly cut and will be completely covered by wall plates.
- D. Verify floor boxes are adjusted properly.
- E. Verify branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.

### 3.2 PREPARATION

- A. Provide extension ring to bring outlet boxes flush with finished surface.
- B. Clean debris from outlet boxes.

### 3.3 INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Install devices plumb and level.
- C. Install switches with OFF position down.
- D. Install wall dimmers to achieve full rating specified and indicated after de-rating for ganging as instructed by manufacturer.
- E. Do not share neutral conductor on load side of dimmers.
- F. Connect wiring device grounding terminal to branch circuit equipment grounding conductor.
- G. Install decorative plates on switch, receptacle, and blank outlets in finished areas.
- H. Install galvanized steel plates on outlet boxes and junction boxes in unfinished areas, above accessible ceilings, and on surface mounted outlets.
- I. Provide one GFCI receptacle, minimum, in janitorial closets, adjacent to roof mounted equipment and pad mounted air conditioning equipment.
- J. Any receptacle within eight feet of a sink shall be a GFCI type.
- K. Receptacles on science work islands and adjacent to locker room shower and drying areas shall be GFCI type.
- L. When GFCI is specified, use only GFCI receptacles. Do not protect "down stream" receptacles with GFCI receptacles.
- M. Do not install receptacles and/or switches in-group toilets. Light shall be controlled from the nearest custodial space by a toggle switch with pilot light.
- N. Switches in classroom and teachers workrooms for exhaust fans and contactors, shall have a pilot light.
- O. Do not use push-in connections on any device.

### 3.4 INTERFACE WITH OTHER PRODUCTS

- A. Coordinate locations of outlet boxes provided under Section 16130 to obtain mounting height specified and indicated on Drawings.
- B. Install wall switch 46" to center above finished floor.
- C. Install convenience receptacle 18" to center above finished floor.
- D. Install convenience receptacle 6" above backsplash of counter.
- E. Install dimmer 46" to center above finished floor.
- F. Install telephone jack 18" to center above finished floor.
- G. Install telephone jack for wall telephone 46" to center above finished floor.
- H. Install outdoor receptacles 60" to center above finished grade.

### 3.5 FIELD QUALITY CONTROL

- A. Inspect each wiring device for defects.
- B. Operate each wall switch with circuit energized and verify proper operation.
- C. Verify that each receptacle device is energized.
- D. Test each receptacle device for proper polarity.
- E. Test each GFCI receptacle device for proper operation.

### 3.6 ADJUSTING

- A. Adjust devices and wall plates to be flush and level.

END OF SECTION