ELECTRICAL SUBCONTRACTOR RESPONSIBILITIES:

1. Install 16" x 12" x 4" security junction box: Hoffman style control box with perforated panel, enclosure part number: A5CE16X12X4. Panel part number: A16N12PP. Mount above the door in accessible ceiling space on the secure side of the room within 5 radial feet but not to exceed 25 radial feet. Mount adjacent to power supply panel. Junction box is equipped with conduits feeding access control & power supply. Box shall be readily accessible to permit future maintenance work to be performed in a safe manner.

2. Install 2" x 2" x 1-1/2" single-gang outlet box for request-to-exit (REX) motion sensor. Horizontal. Mount on secure side of door frame.

3. Install 2" x 4" x 1-1/2" single-gang outlet box for card reader. Mount on un-secure side of door at ADA compliance height.

4. Install 4" x 4" x 2-1/8" dual-gang outlet box for door management alarm. Mount on secure side of door at 48" AFF.

5. Install 4" x 2-1/8" octagon box for camera in ceiling or wall location as specified by the architect.

6. Install conduits as required:
   - 1-1/4" conduit from security junction box to accessible pathway to TR.
   - 3/4" conduit from security junction box to door management alarm outlet box.
   - 1/2" conduit from security junction box to REX motion sensor outlet box.
   - 1/2" conduit from security junction box to electric strike outlet box.
   - 1/2" conduit from security junction box to single-gang outlet box (card reader).
   - 1/2" conduit from security junction box to octagon outlet box (camera).

7. Do not exceed more than 2 90-degree bends in conduit runs or 180 degrees total. If exceeded, install intermediate pull boxes.

8. Use of flex conduit from the ITS junction box to the contact, REX, strike or handle must be pre-approved by the Stanford facility engineer.

NOTE: If REX, card reader and/or door management alarm are located on/or in the door frame assembly, run conduit to the door frame assembly location as required.

If multiple devices are wired to a door frame with universal access, one 1-1/4" conduit can be installed from the Hoffman box to the door frame as a common pathway. An individual pull should be provided from the supply to each access control device location.