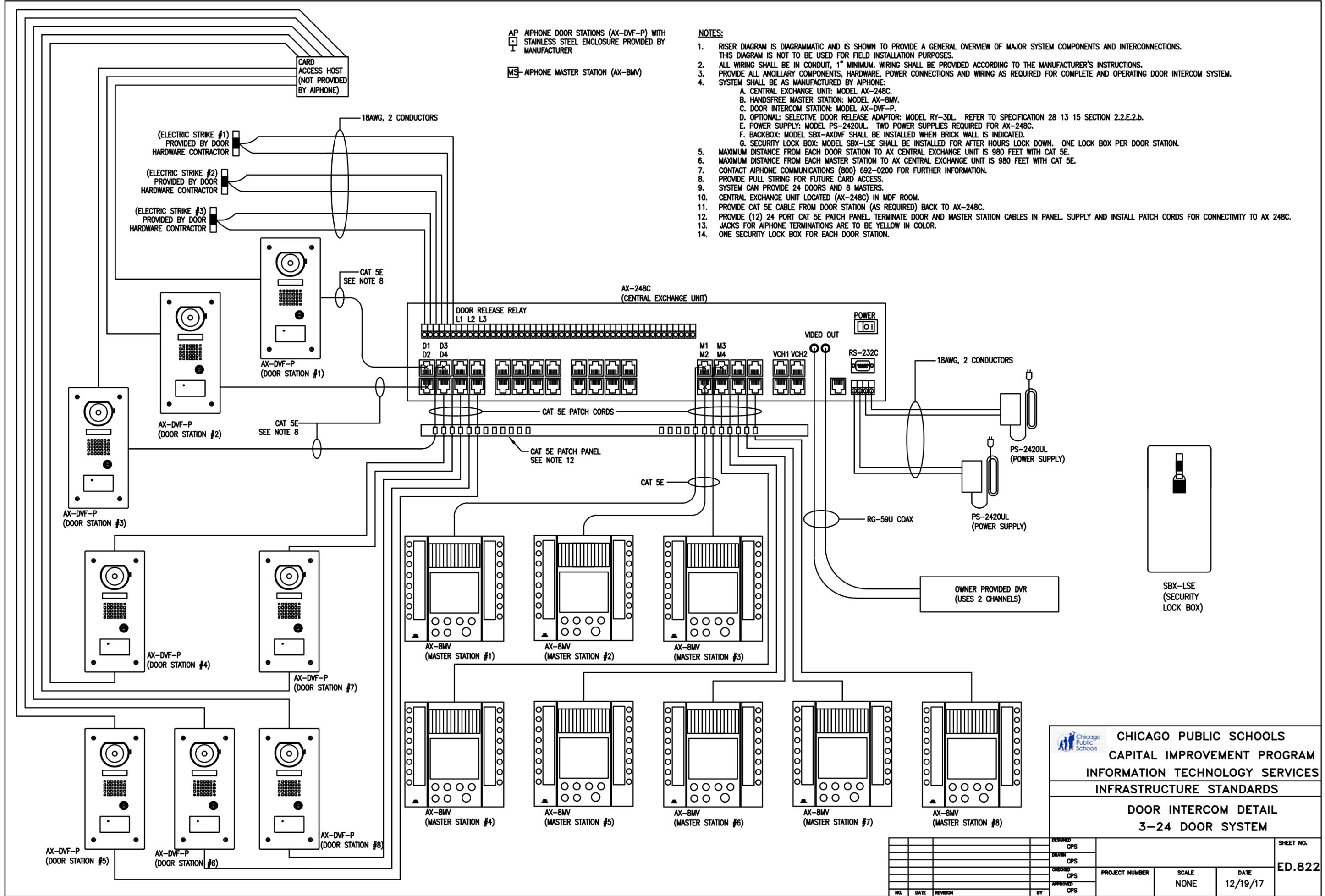


AP AIPHONE DOOR STATIONS (AX-DVF-P) WITH STAINLESS STEEL ENCLOSURE PROVIDED BY MANUFACTURER

MS AIPHONE MASTER STATION (AX-BMV)

**NOTES:**

- RISER DIAGRAM IS DIAGRAMMATIC AND IS SHOWN TO PROVIDE A GENERAL OVERVIEW OF MAJOR SYSTEM COMPONENTS AND INTERCONNECTIONS. THIS DIAGRAM IS NOT TO BE USED FOR FIELD INSTALLATION PURPOSES.
- ALL WIRING SHALL BE IN CONDUIT, 1" MINIMUM. WIRING SHALL BE PROVIDED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- PROVIDE ALL ANCILLARY COMPONENTS, HARDWARE, POWER CONNECTIONS AND WIRING AS REQUIRED FOR COMPLETE AND OPERATING DOOR INTERCOM SYSTEM.
- SYSTEM SHALL BE AS MANUFACTURED BY AIPHONE:
  - CENTRAL EXCHANGE UNIT: MODEL AX-248C.
  - HANDSFREE MASTER STATION: MODEL AX-8MV.
  - DOOR INTERCOM STATION: MODEL AX-DVF-P.
  - OPTIONAL: SELECTIVE DOOR RELEASE ADAPTOR: MODEL RY-3DL. REFER TO SPECIFICATION 28 13 15 SECTION 2.2.E.2.b.
  - POWER SUPPLY: MODEL PS-2420UL. TWO POWER SUPPLIES REQUIRED FOR AX-248C.
  - BACKBOX: MODEL SBX-AXDVF SHALL BE INSTALLED WHEN BRICK WALL IS INDICATED.
  - SECURITY LOCK BOX: MODEL SBX-LSE SHALL BE INSTALLED FOR AFTER HOURS LOCK DOWN. ONE LOCK BOX PER DOOR STATION.
- MAXIMUM DISTANCE FROM EACH DOOR STATION TO AX CENTRAL EXCHANGE UNIT IS 980 FEET WITH CAT 5E.
- MAXIMUM DISTANCE FROM EACH MASTER STATION TO AX CENTRAL EXCHANGE UNIT IS 980 FEET WITH CAT 5E.
- CONTACT AIPHONE COMMUNICATIONS (800) 692-0200 FOR FURTHER INFORMATION.
- PROVIDE PULL STRING FOR FUTURE CARD ACCESS. SYSTEM CAN PROVIDE 24 DOORS AND 8 MASTERS.
- CENTRAL EXCHANGE UNIT LOCATED (AX-248C) IN MDF ROOM.
- PROVIDE CAT 5E CABLE FROM DOOR STATION (AS REQUIRED) BACK TO AX-248C.
- PROVIDE (12) 24 PORT CAT 5E PATCH PANEL. TERMINATE DOOR AND MASTER STATION CABLES IN PANEL. SUPPLY AND INSTALL PATCH CORDS FOR CONNECTIVITY TO AX 248C.
- JACKS FOR AIPHONE TERMINATIONS ARE TO BE YELLOW IN COLOR.
- ONE SECURITY LOCK BOX FOR EACH DOOR STATION.



CHICAGO PUBLIC SCHOOLS  
 CAPITAL IMPROVEMENT PROGRAM  
 INFORMATION TECHNOLOGY SERVICES  
 INFRASTRUCTURE STANDARDS

DOOR INTERCOM DETAIL  
 3-24 DOOR SYSTEM

DESIGNED CPS	PROJECT NUMBER	SCALE NONE	DATE 12/19/17	SHEET NO. ED.822
DRAWN CPS				
CHECKED CPS				
APPROVED CPS				
NO. DATE REVISION BY				