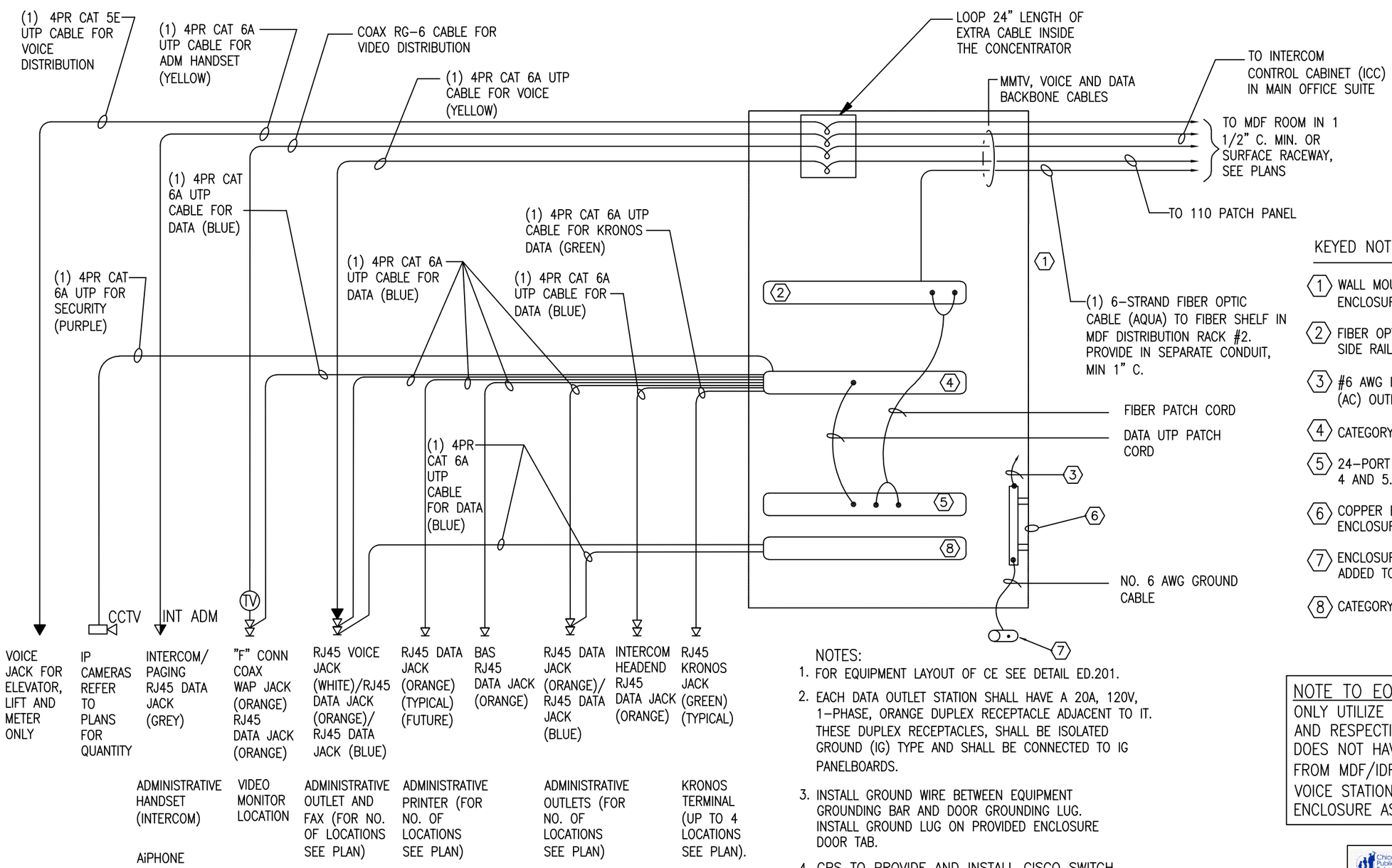

KEYED NOTES

1. WALL MOUNTED EQUIPMENT CABINET (CONCENTRATOR ENCLOSURE).
2. FIBER OPTIC PATCH PANEL WITH 6 LC CONNECTORS AND SIDE RAILS FOR PULL-OUT ACCESS.
3. #6 AWG INSULATED GROUND WIRE TO THE ALT. CURRENT (AC) OUTLET TO PROVIDE EQUIPMENT GROUND.
4. CATEGORY 6A UTP 48-PORT PATCH PANEL (ORANGE).
5. 24-PORT OR 48-PORT CISCO NETWORK SWITCH SEE NOTES 4 AND 5.
6. COPPER EQUIPMENT GROUND BAR. PROVIDED WITH ENCLOSURE.
7. ENCLOSURE GROUNDING LUG, ONE ON EACH VERTICAL SIDE ADDED TO DOOR. SEE NOTE 3.
8. CATEGORY 6A UTP 48-PORT PATCH PANEL (BLUE).

NOTES:

1. FOR EQUIPMENT LAYOUT OF CE SEE DETAIL ED.201.
2. EACH DATA OUTLET STATION SHALL HAVE A 20A, 120V, 1-PHASE, ORANGE DUPLEX RECEPTACLE ADJACENT TO IT. THESE DUPLEX RECEPTACLES, SHALL BE ISOLATED GROUND (IG) TYPE AND SHALL BE CONNECTED TO IG PANELBOARDS.
3. INSTALL GROUND WIRE BETWEEN EQUIPMENT GROUNDING BAR AND DOOR GROUNDING LUG. INSTALL GROUND LUG ON PROVIDED ENCLOSURE DOOR TAB.
4. CPS TO PROVIDE AND INSTALL CISCO SWITCH. (1-2) 24 PORT OR (1) 48 PORT SWITCHES. ENCLOSURE MAXIMUM CAPACITY IS 48 PORTS.
5. TERMINATE NO MORE THAN 42 PORTS DURING INITIAL INSTALLATION. IF CABLE COUNT EXCEEDS 42, THE ADDITIONAL CABLES SHALL BE DIRECTED TO EITHER AN ADJACENT CONCENTRATOR (MUST BE LESS THAN 295 FEET) OR A NEW CONCENTRATOR.
6. PROVIDE TWO (2) DROPS FOR INTERCOM HEADEND.

NOTE TO EOR:

ONLY UTILIZE THIS DETAIL IF ADDING A VOICE STATION AND RESPECTIVE EXISTING CONCENTRATOR ENCLOSURE DOES NOT HAVE A 25 PAIR CAT5E CABLE INSTALLED FROM MDF/IDF ROOM. ADD FOUR PAIR CAT5E FROM VOICE STATION LOCATION TO MDF/IDF ROUTED THRU ENCLOSURE AS SHOWN ON THIS DETAIL.

CHICAGO PUBLIC SCHOOLS
CAPITAL IMPROVEMENT PROGRAM
INFORMATION TECHNOLOGY SERVICES

INFRASTRUCTURE STANDARDS

CONCENTRATOR ENCLOSURE (ACE) CABLING SCHEMATIC

NO.	DATE	REVISION	BY

DESIGNED CPS			SHEET NO.
DRAWN CPS			ED.212
CHECKED CPS	PROJECT NUMBER	SCALE NONE	DATE 09/15/25
APPROVED CPS			