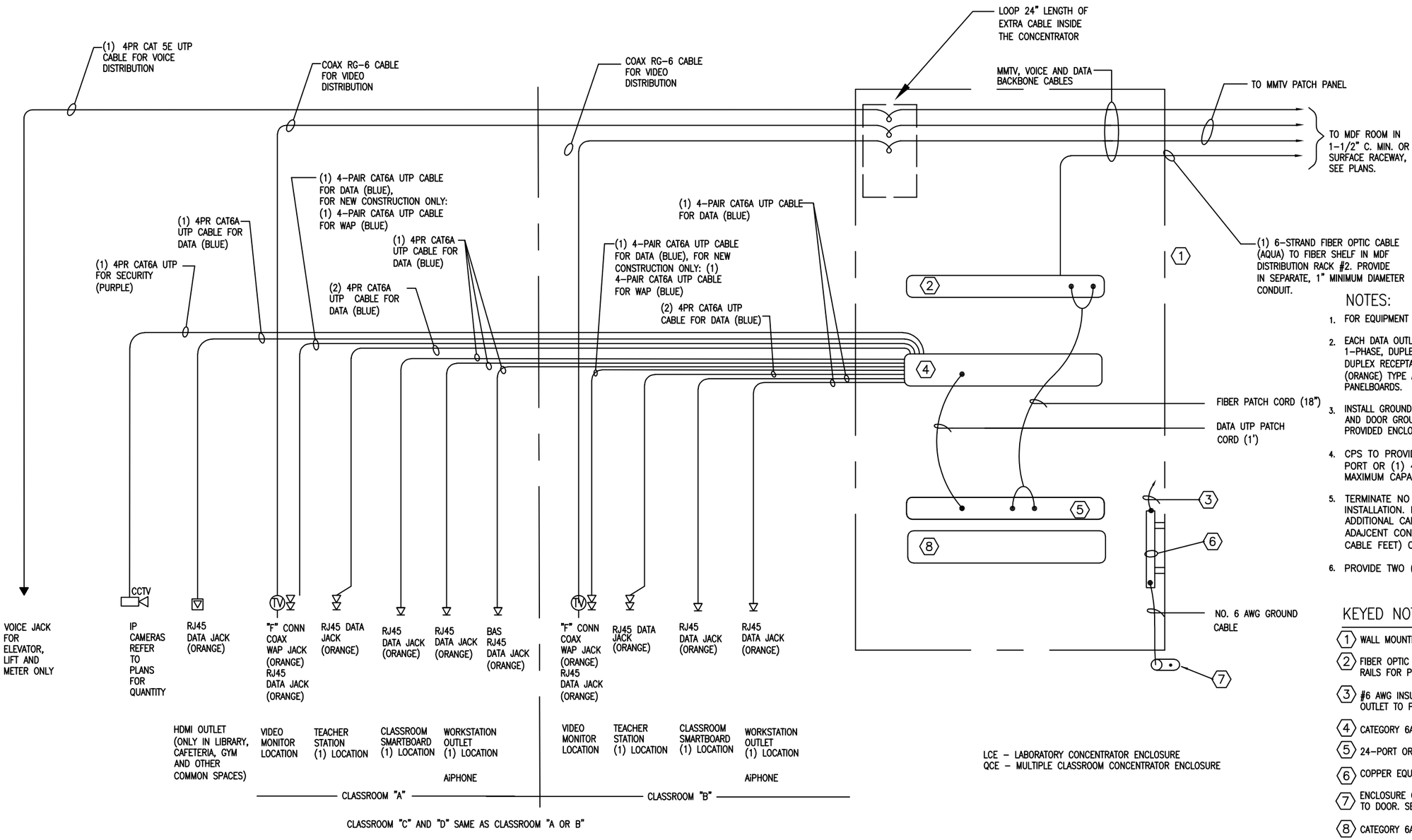

NOTES:

1. FOR EQUIPMENT LAYOUT OF QCE, SEE DETAIL ED.201.
2. EACH DATA OUTLET STATION SHALL HAVE A 20A, 120V, 1-PHASE, DUPLEX RECEPTACLE ADJACENT TO IT. THESE DUPLEX RECEPTACLES, SHALL BE ISOLATED GROUND (IG) (ORANGE) 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 ADAJCENT CONCENTRATOR(MUST BE LESS THAN 295 CABLE FEET) OR A NEW CONCENTRATOR.
6. PROVIDE TWO (2) DROPS FOR INTERCOM HEADEND

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 NOTE 4.
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).

CHICAGO PUBLIC SCHOOLS
CAPITAL IMPROVEMENT PROGRAM
INFORMATION TECHNOLOGY SERVICES
INFRASTRUCTURE STANDARDS

CONCENTRATOR ENCLOSURE (LCE,QCE) CABLING SCHEMATIC

NO.	DATE	REVISION	BY

DESIGNED CPS			SHEET NO.
DRAWN CPS			ED.211
CHECKED CPS	PROJECT NUMBER	SCALE NONE	DATE 09/15/25
APPROVED CPS			