



**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 6 UTP 48-PORT PATCH PANEL (ORANGE).
- ⑤ 48-PORT CAT 5E PATCH PANEL.
- ⑥ 24-PORT OR 48-PORT CISCO NETWORK SWITCH SEE NOTES 4 AND 5.
- ⑦ COPPER EQUIPMENT GROUND BAR. PROVIDED WITH ENCLOSURE.
- ⑧ ENCLOSURE GROUNDING LUG, ONE ON EACH VERTICAL SIDE ADDED TO DOOR. SEE NOTE 3.
- ⑨ CATEGORY 6 UTP 48-PORT PATCH PANEL (BLUE).

- VOICE JACK FOR ELEVATOR, LIFT AND METER ONLY
- IP CAMERAS REFER TO PLANS FOR QUANTITY
- INTERCOM/PAGING RJ45 DATA JACK (GREY)
- "F" CONN COAX WAP JACK (ORANGE) RJ45 DATA JACK (ORANGE)
- RJ45 VOICE JACK (WHITE)/RJ45 DATA JACK (ORANGE)/RJ45 DATA JACK (BLUE)
- RJ45 DATA JACK (ORANGE) (TYPICAL) (FUTURE)
- RJ45 DATA JACK (ORANGE)/RJ45 DATA JACK (BLUE)
- RJ45 KRONOS JACK (GREEN) (TYPICAL)
- ADMINISTRATIVE HANDSET (INTERCOM)
- VIDEO MONITOR LOCATION
- ADMINISTRATIVE OUTLET AND FAX (FOR NO. OF LOCATIONS SEE PLAN)
- ADMINISTRATIVE PRINTER (FOR NO. OF LOCATIONS SEE PLAN)
- ADMINISTRATIVE OUTLETS (FOR NO. OF LOCATIONS SEE PLAN)
- KRONOS TERMINAL (UP TO 4 LOCATIONS SEE PLAN).

- 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.

**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.

<b>CHICAGO PUBLIC SCHOOLS</b> CAPITAL IMPROVEMENT PROGRAM INFORMATION TECHNOLOGY SERVICES				
<b>INFRASTRUCTURE STANDARDS</b>				
<b>CONCENTRATOR ENCLOSURE (ACE) CABLING SCHEMATIC</b>				
DESIGNED CPS	PROJECT NUMBER	SCALE NONE	DATE 12/19/17	SHEET NO. ED.212
DRAWN CPS				
CHECKED CPS				
APPROVED CPS				
NO.	DATE	REVISION	BY	