



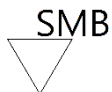









Data Outlet Drawing Symbols Used by Cerritos College

LEGEND FOR COMMUNICATIONS DRAWINGS	
SYMBOL	MEANING
	SINGLE DATA OUTLET, WITH ONE DATA JACK IN FACEPLATE. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.
	MULTIPLE DATA OUTLETS IN SAME FACEPLATE, WITH 'X' AS THE NUMBER OF DATA JACKS. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.
	SINGLE DATA OUTLET WITH ONE DATA JACK IN TELEPHONE-STUDED FACEPLATE FOR WALL-MOUNTED IP TELEPHONE. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.
	EMERGENCY PHONE DATA OUTLET. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE. LEAVE DATA JACK LOOSE IN BOX. CONNECT TO PROVIDED TOWER PHONE WITH 1 FT. PATCH CABLE AND MOUNT TOWER PHONE SECURELY TO WALL.
	DATA OUTLET IN SURFACE MOUNT BOX. INSTALL WITHIN CABINET. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.
	ABOVE-CEILING DATA OUTLETS FOR WIRELESS ACCESS POINT (WAP), CAMERA, PROJECTOR, ETC. IF SHOWN, NUMBER DESIGNATES NUMBER OF DATA JACKS. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE. LABEL OUTLET ID ON CEILING GRID BELOW OUTLET.
	FLOOR-BOX MOUNTED DATA OUTLET WITH POWER OUTLET WITHIN A WIREMOLD RFB-6 FLOOR BOX. IF SHOWN, NUMBER DESIGNATES NUMBER OF DATA JACKS. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.
	FLOOR MOUNTED DATA OUTLET WITH QUAD POWER AND A/V CONNECTIONS WITHIN A WIREMOLD EVOLUTION-SERIES FLOOR BOX. IF SHOWN, NUMBER DESIGNATES NUMBER OF DATA JACKS. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.
	VOICE ONLY OUTLET (ANALOG), WITH ONE USOC CONNECTION IN FACEPLATE. PROVIDE GRAY-JACKETED CAT 5E CABLE AND ALL CONNECTIVITY HARDWARE.
	ELEVATOR OUTLET / CONNECTION TO ANALOG ELEVATOR PHONE. PROVIDE GRAY-JACKETED CAT 5E CABLE WITH USOC JACK INSIDE OF 4S BOX. PROVIDE STATION CABLE WITH RJ11 PLUG AT BOX END AND UN-TERMINATED AT ELEVATOR EQUIPMENT END.
	COMBINED VOICE AND DATA OUTLETS IN SAME FACEPLATE. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.
	COMBINED VOICE AND DATA OUTLETS, WITH 'X' AS THE NUMBER OF DATA JACKS. PROVIDE ALL CABLE AND CONNECTIVITY HARDWARE.

Legend is available in electronic format (Word docx or pdf)

Include these in **Communications General Notes**.

1. ALL SYMBOLS AND DESIGNATORS SHOWN ARE NOT NECESSARILY USED IN THIS PACKAGE.
2. ALL CABLES RUN IN ACCESSIBLE CEILING SPACE SHALL BE WITHIN CABLE TRAY OR CONDUIT.
3. INSTALLATION SHALL COMPLY WITH LATEST ANSI TIA-568, 569 AND 606, ALL APPLICABLE CODES, MANUFACTURER'S GUIDELINES AND CERRITOS COLLEGE CAMPUS STANDARDS.
4. CABLE LENGTH FROM PATCH PANEL THROUGH CABLE TRAY AND CONDUIT TO STATION JACK SHALL NOT EXCEED 295 FT. MEASURE ANY QUESTIONABLE RUNS AND BRING TO THE ATTENTION OF THE DISTRICT REPRESENTATIVE.
5. INSTALL PULL STRING OR NYLON CORD WITH CABLE.
6. INSTALL BLANK PLUGS IN ALL UNUSED FACEPLATE OPENINGS.
7. ALL WORK SHALL BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER.
8. IF SURFACE RACEWAY (WIREMOLD) IS NOTED ON THE DRAWING, LEGEND SYMBOLS DENOTE THE POSITION OF OUTLET(S) IN THE RACEWAY.
9. INSTALL OFCI WI-FI ACCESS POINTS AT LOCATIONS IDENTIFIED BY THE DISTRICT REPRESENTATIVE.
10. INSTALL OFCI EXTERNAL WI-FI ANTENNAS AT EXTERNAL ACCESS POINT LOCATIONS SHOWN.
11. REFER TO DIVISION 27 SPECIFICATIONS FOR DETAILED PRODUCT REQUIREMENTS, QUANTITIES AND EXECUTION INSTRUCTIONS.
12. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO REFLECT CHANGES MADE DURING CONSTRUCTION AND DEVIATIONS FROM THE DRAWING. THIS INCLUDES ANY ADDITION, DELETION OR RELOCATION OF OUTLETS SHOWN ON THE WORKING DRAWINGS.
13. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OR THE MISDESCRIPTION OF DETAILS OF WORK WHICH ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MISDESCRIBED DETAILS OF THE WORK BUT SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.

General Notes are available in electronic format (Word docx or pdf)

Notes to communications consultant:

Two data outlets are required for wireless access points (APs).

One data outlet required for projectors. May be combined in same box as AP outlets IF above suspended ceiling.

Provide plan notes identifying ports for projectors, access points and IP cameras.

Locate and identify data outlets for building automation & monitoring (EMS, lighting control, power monitoring, etc.)