

TECHNOLOGY SYSTEMS LEGEND

TELECOMMUNICATIONS

- ▽ TELEPHONE OUTLET WITH 3/4" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. INSTALL (1) CAT6 CABLE.
- ▽ 1-1/4" C. FOR A/V CABLING. PROVIDE ONE (1) HDMI, AND ONE (1) CAT 6 CONNECTION BETWEEN OVERHEAD PROJECTOR AND TEACHERS PODIUM.
- ▽ STANDARD COMMUNICATIONS OUTLET. INSTALL (X) CAT6 CABLES WITH 1" C. TO ACCESSIBLE CEILING SPACE. (X) DENOTES QUANTITY OF CABLES.
- ▽ ALTERNATE COMMUNICATIONS OUTLET:
A= ABOVE COUNTER WITH 1" C. (2) CAT6 CABLES TO ACCESSIBLE CEILING SPACE.
C= FLUSH IN CEILING TILE WITH (2) CAT6 CABLES IN SINGLE GANG BOX. MOUNT BOX TO TILE BRIDGE FLUSH OUTLET BOX MOUNTING BRACKET.
- ▽ WIRELESS ACCESS POINT OUTLET WITH (2) CAT6 CABLES.
- ▽ FLUSH FLOOR COMBINATION POWER/DATA OUTLET WITH 1" C. SEE FLOOR BOX SCHEDULE SHEET X.

PAGING/INTERCOM

- ▽ BUILDING COMMUNICATION SYSTEM CALL BUTTON WITH 3/4" C. AND PULL STRING TO ACCESSIBLE CEILING SPACE. MOUNT 48" AFF.
- SURFACE MOUNTED SECONDARY CLOCK. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
- FLUSH WALL MOUNTED SECONDARY CLOCK. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
- FLUSH MOUNTED CEILING EVENT ANNUNCIATION SYSTEM SPEAKER
- FLUSH WALL MOUNTED SPEAKER WITH 1" C. TO ACCESSIBLE CEILING SPACE. HEIGHT AS INDICATED.
- SPEAKER VOLUME CONTROL WITH 3/4" C. AND PULL STRING TO ACCESSIBLE CEILING SPACE. MOUNT 48" AFF.

AUDIO/VIDEO

- TELEVISION OUTLET, INSTALL AT STANDARD OUTLET HEIGHT. U.N.O.
- CEILING MOUNTED PROJECTOR BRACKET FOR OPTIC DATA PROJECTOR
- FLUSH MOUNTED AUDIO REINFORCEMENT SPEAKER IN CEILING.
- SURFACE MOUNTED AUDIO REINFORCEMENT SPEAKER ON WALL
- SATELLITE DISH
- ANTENNA
- 8-PORT CATV TAP
- 4-PORT CATV TAP

SECURITY

- WALL MOUNTED ACCESS CONTROL CARD READER
- WALL MOUNTED KEYPAD/CARD READER
- WALL MOUNTED MOTION DETECTION SENSOR
- WALL MOUNTED GLASS BREAK SENSOR
- DOOR POSITION SWITCH/CONTACT
- ELECTRIFIED DOOR LOCKS
- J-BOX CONTAINING POWER SUPPLY FOR DOOR HARDWARE.
- ADA DOOR OPERATION BUTTON
- KEYWAY SWITCH TO DISENGAGE ALARM
- REQUEST TO EXIT DEVICE
- SECURITY CONTROL PANEL
- DIGITAL VIDEO RECORDER
- CEILING MOUNTED MOTION DETECTION SENSOR
- CEILING MOUNTED GLASS BREAK SENSOR
- CCTV CAMERA
Z = ZOOM LENS
P = PAN / TILT
W = WEATHERPROOF ENCLOSURE
H = HOUSING AND LENS HEATER REQUIRED
A = WIDE ANGLE LENS
F = FIXED FOCUS LENS

RACEWAYS

- CONDUIT AND CONDUCTORS ABOVE GRADE
- - - CONDUIT AND CONDUCTORS BELOW GRADE OR SLAB
- CONDUIT DOWN
- CONDUIT UP
- CONDUIT, STUBBED AND CAPPED
- FLEXIBLE CONDUIT
- PULL BOX
- TELEPHONE POWER POLE
- TELEPHONE BACKBOARD
- CABLE RUNWAY, WIDTH AS INDICATED
- WIRE BASKET TYPE CABLE TRAY, WIDTH AS INDICATED

TTC

TELEPHONE CABINET FOR TEMPORARY SERVICES

T

TELECOMMUNICATIONS MAINTENANCE HOLE

○

TELEPHONE UTILITY POLE

○

TELEPHONE UTILITY POLE WITH GUY WIRE

○

HANDHOLE

XX

HANDHOLE WITH ID NUMBER

VT

TELECOMMUNICATIONS VAULT

EQUIPMENT

- MAJOR EQUIPMENT, CABINETS OR PANELS
- EQUIPMENT RACK
- VERTICAL WIRE MANAGEMENT, WIDTH AND DEPTH AS INDICATED

REFERENCE SYMBOLS

- KEYED NOTES
- 1
XXX
DETAIL NUMBER AND SHEET LOCATION
- A
XXX
SECTION LETTER AND SHEET LOCATION
- XXX
SHOWN AS XXT-7600 READ AS D-T-7600

ABBREVIATIONS/ACRONYMS

- ACI AMERICAN CEMENT & CONCRETE INSTITUTE
- AFC ABOVE FINISHED CEILING
- AFF ABOVE FINISHED FLOOR
- ANA ANCHOR
- ANW ANCHOR NUT/WASHER
- ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
- ARF AIR-RAISED FLOOR
- ARM AIR-RAISED MOUNT
- ASTM AMERICAN SOCIETY OF TESTING MATERIALS
- AWG AMERICAN WIRE GAUGE
- BC BARE COPPER
- BLDG BUILDING
- BOC BOTTOM OF CONDUIT
- BOD BOTTOM OF DUCT
- BOM BILL OF MATERIAL
- BOT BOTTOM OF TRAY
- BOV BOTTOM OF VAULT
- BOTT BOTTOM
- C CONDUIT
- CC CONTROL CABLE
- CCTV CLOSED CIRCUIT TELEVISION
- CFI CONTRACTOR FURNISHED CONTRACTOR INSTALLED
- CFI CONTRACTOR FURNISHED OWNER INSTALLED
- CLG CEILING
- COL COLUMN
- CONT CONTINUOUS
- COORD COORDINATE
- CMU CONCRETE MASONRY UNIT
- CR COMPUTER ROOM
- CRS COATED RIGID STEEL CONDUIT
- DDC DIRECT DIGITAL CONTROL
- DIA DIAMETER
- DIM DIMENSION
- DIV DIVISION
- DN DOWN
- DTE DATA TERMINAL EQUIPMENT
- DTL DETAIL
- DWG DRAWING
- E EXISTING
- EA EACH
- EF ENTRANCE FACILITY
- EIA ELEVATION
- ELEV. EL ELEVATION
- EMC ELECTROMAGNETIC COMPATIBILITY
- EMI ELECTROMAGNETIC INTERFERENCE
- EMT ELEC. METALLIC TUBING
- ENET ETHERNET NETWORK
- ENT ELEC. NON-METALLIC TUBING
- F FUTURE
- FO FURNISHED BY OTHERS
- FACTORY FACTORY
- FDI FIBER DISTRIBUTED DATA INTERFACE
- FDI FEEDER
- FDI FIBER OPTIC DISTRIBUTION UNIT

ABBREVIATIONS/ACRONYMS CONT

- FF FINISH FLOOR
- FG FINISH GRADE
- FLR FLOOR
- FMS FACILITY MANAGEMENT SYSTEMS
- FO FIBER OPTIC
- FT FOOT/FEET
- G GROUND
- H HORN
- HB HORIZONTAL BEND
- HH HORIZONTAL
- HT HEIGHT
- I/O INPUT/OUTPUT
- IAW IN ACCORDANCE WITH
- IDF INTERMEDIATE DISTRIBUTION FRAME
- IEE INTERMEDIATE METALLIC CONDUIT
- IN INCHES
- ISDN INTEGRATED SERVICES DIGITAL NETWORK
- ISO INFORMATION TECHNOLOGIES
- IT INFORMATION TECHNOLOGIES
- LAN LOCAL AREA NETWORK
- LC FIBER OPTIC CONNECTOR
- LED LIGHT EMITTING DIODE
- LMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT
- LNC LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
- LV LOW VOLTAGE
- MATL MATERIAL
- MAU MULTIPLE ACCESS UNIT
- MAX MAXIMUM
- MEZZ MEZZANINE
- MH MANHOLE
- MHz MEGAHERTZ
- MIN MINIMUM
- MISC MISCELLANEOUS
- MT,MTD MOUNT, MOUNTED
- MTRS FIBER OPTIC CONNECTOR
- N NEW
- NA NOT APPLICABLE
- NEC NATIONAL ELECTRICAL CODE
- NEMA NATIONAL ELECTRICAL SAFETY CODE
- NEC NEAR END CROSS TALK
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- NIC NOT IN CONTRACT
- NIP NOT IN PROJECT
- NP NAMEPLATE
- NTS NOT TO SCALE
- OC ON CENTER
- OFCI OWNER FURNISHED CONTRACTOR INSTALLED
- OFCI OWNER FURNISHED, OWNER INSTALLED
- OFNR OPTIC FIBER NONCONDUCTIVE RISER
- OTDR OPTICAL TIME DOMAIN REFLECTOMETER
- PB PULL BOX
- PBX PRIVATE BRANCH EXCHANGE
- PNL PANEL
- PR PAIR
- PVC POLYVINYL CHLORIDE
- QTY QUANTITY
- R RISER
- RD REDUNDANT
- REF REFERENCE
- RF RADIO FREQUENCY
- RGS RIGID GALVANIZED STEEL CONDUIT
- RM ROOM
- RO ROUGH OPENING
- REQD REQUIRED
- SC FIBER OPTIC CONNECTOR
- SCH SCHEDULE
- SCP SECURITY CONTROL PANEL
- SCR SATELLITE COMMUNICATIONS ROOM
- SE STATION EQUIPMENT
- SECT SECTION
- SHT SHEET
- SIM SIMILAR
- SPKR SPEAKER
- SPKR FIBER OPTIC CONNECTOR
- STD STANDARD
- STP SHIELDED TWISTED PAIR
- SUR SURFACE
- SW SWITCH
- TB TERMINAL BLOCK
- TBB TELECOMMUNICATIONS BONDING BACKBONE TO BE DETERMINED
- TGB TELECOMMUNICATIONS GROUNDING BUS BAR
- TIA TELECOMMUNICATIONS INDUSTRY ASSOCIATION
- TMBG TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
- TO TELECOMMUNICATIONS OUTLET
- TOP TOP OF PARAPET
- TYP TYPICAL
- UL UNDERWRITERS LABORATORIES, INC. UNLESS NOTED OTHERWISE
- UNO UNINTERRUPTIBLE POWER SUPPLY
- UPS UNSHIELDED TWISTED PAIR
- UTP UNSHIELDED TWISTED PAIR
- VIB VERTICAL INSIDE BEND
- VOB VERTICAL OUTSIDE BEND
- VRFY VERIFY
- W WITH
- W/O WITHOUT
- WAN WIDE AREA NETWORK
- WP WEATHERPROOF

- 50/250 LOOSE TUBE GEL FILLED UNDERGROUND FIBER OPTIC CABLE
- 50/900 TIGHT BUFFERED RISER FIBER OPTIC CABLE
- 50/900P TIGHT BUFFERED PLENUM FIBER OPTIC CABLE
- 8.3/900 TIGHT BUFFERED RISER FIBER OPTIC CABLE
- 50/8.3/900 HYBRID CABLE COMBINED MULTIMODE AND SINGLE MODE TIGHT BUFFERED FIBER OPTIC CABLE
- 50/8.3/250 HYBRID CABLE COMBINED MULTIMODE AND SINGLE MODE LOOSE TUBE GEL FILLED UNDERGROUND FIBER OPTIC CABLE

GENERAL TECHNICAL NOTES

- A. THIS IS A STANDARD LEGEND SHEET. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PROJECT DRAWINGS.
- B. COMMUNICATIONS RACEWAYS, TRAYS, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. LOCATIONS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. THE SUBCONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATING ALL WORK WITH ARCHITECTURAL, POWER/LIGHTING, MECHANICAL, FURNITURE SUBCONTRACTOR, AND OTHERS.
- C. CONSTRUCTION DETAILS SHOWN ON DRAWINGS SHOW TYPICAL INSTALLATION UNLESS NOTED OTHERWISE, AND APPLY TO ALL COMMUNICATIONS WORK INCLUDED IN THE SUMMARY OF WORK FOR THIS PACKAGE EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE PLAN DRAWINGS.
- D. THE CONTRACTOR SHALL INSTALL PULLSTRINGS IN ALL CONDUITS AT THE TIME OF CONDUIT INSTALLATION.

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REVISION HISTORY	REMARKS	DATE
△	ADDENDUM NO. 1	08/18/08
△	ADDENDUM NO. 2	11/06/09
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DRAWING STATUS	DATE
● DSA PLAN CHECK	08/28/08
● DSA BACK CHECK	01/22/09
● BIDDING (BID #26593)	09/18/09
○ CONSTRUCTION	

FILE NO. 41-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

01-110074

AC: _____ FLS: _____ SS: _____
DATE: _____

BUILDINGS 5 & 6 RENOVATIONS

San Mateo County Community College District

BID ADDENDA

APPROVED BY THE STATE ARCHITECT:
AC: [Signature] FLS: [Signature] SS: [Signature]
APPL. NO. 110074 DATE 5/22/10

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TECHNOLOGY SYMBOL LIST

SHEET INDEX

- T0.1 TECHNOLOGY SYMBOL LIST
- T4.1 TECHNOLOGY - FIRST FLOOR
- T4.2 TECHNOLOGY - SECOND FLOOR
- T4.3 TECHNOLOGY - THIRD FLOOR
- T5.1 ENLARGED FLOOR PLANS AND ELEVATIONS
- T6.1 TECHNOLOGY DETAIL SHEET

Date: 08/29/08
Drawing Number: T0.1
Scale: AS NOTED
Project Number: 07013