

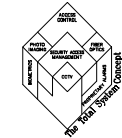


CAÑADA COLLEGE

BUILDING # 8 PHASE II RENOVATION PROJECT

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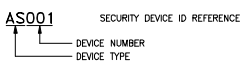
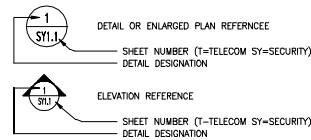


TEL/DATA COMM. SYMBOLS

- WALL MOUNTED ACCESS CONTROL CARD READER
 - WALL MOUNTED KEYPAD
 - WALL MOUNTED MOTION DETECTION SENSOR
 - DOOR POSITION SWITCH/CONTACT
 - ELECTRIC STRIKE DOOR LOCKS
 - MAGNETIC DOOR LOCKS
 - J-BOX CONTAINING POWER SUPPLY FOR DOOR HARDWARE
 - REQUEST TO EXIT DEVICE
 - SECURITY CONTROL PANEL
 - DIGITAL VIDEO RECORDER
 - CEILING MOUNTED GLASS BREAK SENSOR
 - SECURITY SYSTEM CEILING MOUNTED MOTION DETECTOR
 - SECURITY SYSTEM WALL MOUNTED MOTION DETECTOR
 - PANIC BUTTON LOCATION, INSTALL AT +42"
 - HANDICAP DOOR OPERATOR INTERFACE
 - 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

CONVENTIONS

- ELECTRICAL SHEET NOTE
- 120VAC POWER CIRCUIT/CONDUIT ID
- NUMBERED SHEET NOTE (APPLIES TO DRAWING CONTAINING NOTES ONLY).
- EQUIPMENT IDENTIFICATION TAG.
- NUMBERED SHEET NOTE (APPLIES TO ALL DRAWINGS).



- A = ALARM INPUT
- R = RELAY OUTPUT
- AS = AID STATION
- K = CCTV CAMERA

POWER AND LIGHTING ALL BY EC, UON

- DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON., CONNECTED TO EMERGENCY POWER SYSTEM.
- DOUBLE DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON., CONNECTED TO NORMAL POWER SYSTEM.
- DOUBLE DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON., CONNECTED TO EMERGENCY POWER SYSTEM.

CONDUITS & RACEWAYS ALL BY EC, UON

- CONDUIT RUN EXPOSED ON WALL OR CEILING.
- CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
- CONDUIT RUN CONCEALED IN WALL OR CEILING.
- CONDUIT HOMERIAL, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET.
- FLEXIBLE METALLIC CONDUIT.
- CONDUIT TURNED UP.
- CONDUIT TURNED DOWN.
- CABLE TRAY SUSPENDED FROM STRUCTURE ABOVE.
- CABLE RUNWAY SUSPENDED FROM STRUCTURE ABOVE.
- MAIN J-HANGER CABLE ROUTING PATHWAY.
- CONDUIT STUB THROUGH WALL OR FLOOR, NUMBERS INDICATE SIZE AND QUANTITY.

TELECOMMUNICATIONS ALL BY EC, UON

- TELEPHONE OUTLET WITH 3/4" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. INSTALL (1) CAT6 CABLE.
- 1-1/4" RACEWAY WITH SINGLE-GANG ADAPTER PLATE AND A/V CABLING.
- STANDARD COMMUNICATIONS OUTLET. INSTALL (3) CAT6 CABLES WITH 1" C. TO ACCESSIBLE CEILING SPACE.
- ALTERNATE COMMUNICATIONS OUTLET (X):
A= ABOVE COUNTER WITH 1" C. (3) CAT6 CABLES TO ACCESSIBLE CEILING SPACE.
B= WITH 1" C. (1) CAT6 AND (1) RG-6 COAX. CABLES TO ACCESSIBLE CEILING SPACE, DOUBLE-GANG ADAPTER PLATE REQUIRED.
C= FLUSH IN CEILING TILE WITH (2) CAT6 CABLES IN SINGLE GANG BOX, BOX MOUNTED TO TILE BRIDGE.
T= TAMPER RESISTANT WITH 1" C. (1) CAT6 CABLE TO ACCESSIBLE CEILING SPACE.

SECURITY GENERAL NOTES

1. REFER TO WRITTEN SPECIFICATIONS FOR PROJECT SCOPE, GENERAL REQUIREMENTS, PRODUCT SPECS, AND INSTALLATION REQUIREMENTS.
2. DRAWINGS INDICATE APPROXIMATE DEVICE LOCATIONS FOR CEILING MOUNTED DEVICES. REFER TO ARCHITECTURAL DRAWINGS, ELEVATIONS AND DETAILS, REFLECTED CEILING PLANS AND COORDINATE EXACT LOCATIONS WITH OWNER.
3. MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE. REFER TO ARCHITECTURAL DRAWINGS TO DETERMINE EXACT MOUNTING HEIGHT REQUIREMENTS AND PROVIDE SHOP DRAWINGS ENGINEERED DETAILS FOR APPROVAL.
4. ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL, UON.
5. REPORT TO THE ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD PREVENT THE CORRECT INSTALLATION OF THE DESIGNED SYSTEM.
6. CONDUIT ROUTING (WHERE SHOWN) IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS WITH PE APPROVAL.
7. SEAL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS TO MAINTAIN THE FIRE SEPARATION RATING.
8. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF ALL MOUNTED DEVICES. DRAWINGS INDICATE APPROXIMATE LOCATIONS ONLY.
9. PROVIDE NECESSARY EQUIPMENT AND/OR ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM THAT MEETS INTENDED DESIGN WHETHER EXPRESSLY SPECIFIED OR NOT.
10. PROVIDE REQUIRED CONDUIT, BACK BOXES, JUNCTION BOXES, AND SECURITY EQUIPMENT ENCLOSURES, WHETHER ON DRAWINGS OR NOT, UON.
11. MAINTAIN A COPY OF THE SPECIFICATIONS ACCOMPANYING DRAWINGS ON THE JOB SITE AT ALL TIMES FOR REFERENCE. BE ABLE TO PRESENT THE SPECIFICATIONS UPON REQUEST.
12. REFERENCE OTHER TRADE'S DRAWINGS AND SPECIFICATIONS (E.G., TELECOM) FOR ADDITIONAL INFORMATION AND COORDINATE REQUIREMENTS.
13. PROVIDE APPROPRIATE NYLON PULL ROPE IN CONDUITS. PROVIDE ANOTHER PULL ROPE AT TIME OF CABLE INSTALLATION FOR FUTURE USE.
14. PROVIDE CONDUIT PLUGS IN ALL OSP SECURITY CONDUITS ACCORDING TO THE CABLE USE AND USE BLANK PLUGS FOR UNUSED CONDUITS.
15. MOUNT EQUIPMENT OR DEVICES, SUCH AS RUNWAY, CONDUITS, J-HANGER, AND PULL BOXES ACCORDING TO STATE AND LOCAL CODES FOR SEISMIC BRACING.
16. LABEL SECURITY CABLES ACCORDING TO SPECIFICATIONS. PROVIDE LABELS AT BOTH ENDS. VERIFY FORMAT AND INFORMATION FIELDS WITH AND RECEIVE APPROVAL FROM OWNER PRIOR TO LABELING.
17. LABEL ALL SECURITY CONDUITS AT EACH END OF THE CONDUIT IDENTIFYING THE DESTINATION AND USE AS "SECURITY".
18. PROVIDE EXPANSION/DEFLECTION FITTING FOR CONDUITS CROSSING EXPANSION JOINTS. SPECIFIC REQUIREMENTS SHALL BE MET FOR THE PEDESTRIAN BRIDGE.
19. ALL FIXED CAMERA SHALL UTILIZE POE.
20. ALL PTZ CAMERAS SHALL UTILIZE A COMMON POWER SUPPLY LOCATED ON 1ST FLOOR AT EACH RISER LOCATION.
21. UNLESS OTHERWISE INDICATED, ALL CONDUIT IS IN SLAB.
22. ALL CONDUIT CABLE, AND 120VAC POWER AND ITS ASSOCIATED UNLESS OTHERWISE INDICATED ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL.

APPLIES TO ALL SHEETS

DRAWING INDEX

DWG. No. TITLE DESCRIPTION

SCS.0.01	TEL/DATA COMM. GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS & DRAWING INDEX
SCS.2.01	TEL/DATA COMM. FIRST FLOOR PLAN
SCS.2.02	TEL/DATA COMM. SECOND FLOOR PLAN
SCS.3.01	TEL/DATA COMM. ENLARGED MDF FLOOR PLAN & RACK ELEVATION

ABBREVIATIONS

A AMPERES	(N) NEW
ACAMS ACCESS CONTROL AND ALARM MONITORING SYSTEM	NC NORMALLY CLOSED
AFF ABOVE FINISHED FLOOR	NO NORMALLY OPEN
AWG AMERICAN WIRE GAUGE	NTS NOT TO SCALE
BAS BUILDING AUTOMATION SYSTEM	OC ON CENTER
C CONDUIT	OSP OUTSIDE PLANT
CAT3 CATEGORY 3 (UTP CABLE)	PB PULLBOX
CAT5 CATEGORY 5 (UTP CABLE)	PNL PANEL
CAT5E CATEGORY 5E (UTP CABLE)	POE POWER OVER ETHERNET
CAT6 CATEGORY 6 (UTP CABLE)	PR PAIR (OF COPPER CONDUCTORS)
CATV COMMUNITY ANTENNA TELEVISION	PVC POLYVINYL CHLORIDE
CEC CCTV EQUIPMENT CABINET	SAD SEE ARCHITECTURAL DRAWINGS
DIV DIVISION	SEC SECURITY EQUIPMENT CABINET
(E) EXISTING	SM SINGLEMODE
EC ELECTRICAL CONTRACTOR	STP SCREENED TWISTED PAIR
EMS ELECTRICAL MANAGEMENT SYSTEM	STR STRANDS (OF FIBER)
EMT ELECTRIC METALLIC TUBING	STP SHIELDED TWISTED PAIR
(F) FUTURE	TBB TELECOM BONDING BACKBONE
FO FIBER OPTIC	TBC TELECOM BONDING CONDUCTOR
GC GENERAL CONTRACTOR	TGB TELECOM GROUNDING BUSBAR
IDF INTERMEDIATE DISTRIBUTION FACILITY	TMBG TELECOM MAIN GROUNDING BUSBAR
JB JUNCTION BOX	TYP TYPICAL
LCP LIGHTING CONTROL PANEL	UON UNLESS OTHERWISE NOTED
MDF MAIN DISTRIBUTION FACILITY	UPS UNINTERRUPTIBLE POWER SUPPLY
MH MAINTENANCE HOLE	UTP UNSHIELDED TWISTED PAIR
MM MULTIMODE	V VOLTS
MPDE MINIMUM POINT OF ENTRY	VS VIDEO SERVER
MT EMPTY	WP WEATHERPROOF

ISSUANCE:

AS-BUILT DRAWINGS

PROPRIETARY INFORMATION
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REVISIONS

NO.	DATE	DESCRIPTION
1	3/19/09	REVISE FOR AS-BUILTS-ML

PROJECT: CAÑADA COLLEGE
BUILDING, # 8 PHASE 2
RENOVATION PROJECT
4200 FARM HILL BLVD.
REDWOOD CITY, CA 94061

SHEET TITLE:
TEL/DATA COMM.
LEGENDS, SYMBOLS,
GENERAL NOTES, ABBREV.
AND DRAWING INDEX

DATE:	8/25/08
DRAWN BY:	BCHUA
CHECKED BY:	JLAMANTIA
SCALE:	NONE
JOB NO.:	109802306F25

SCS.0.01

SHEET 1 OF 6