

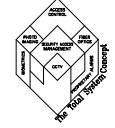


# CAÑADA COLLEGE

## BUILDING # 8 PHASE II RENOVATION PROJECT

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| SECURITY SYMBOLS |   |
|------------------|---|
|                  | WALL MOUNTED ACCESS CONTROL CARD READER WITH KEYPAD |
|                  | 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 = FRIED 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)                  |
|             | DETAIL OR ENLARGED PLAN REFERENCE                              |
|             | SHEET NUMBER (1-TELECOM SY+SECURITY)<br>DETAIL DESIGNATION     |
|             | ELEVATION REFERENCE  |
|             | SHEET NUMBER (1-TELECOM SY+SECURITY)<br>DETAIL DESIGNATION     |
|             | SECURITY DEVICE ID REFERENCE                                   |
|             | DEVICE TYPE  |
|             | A = ALARM INPUT  |
|             | R = RELAY OUTPUT   |
|             | AS = AID STATION   |
|             | K = CCTV CAMERA  |

**SECURITY GENERAL NOTES**

- REFER TO WRITTEN SPECIFICATIONS FOR PROJECT SCOPE, GENERAL REQUIREMENTS, PRODUCT SPECS, AND INSTALLATION REQUIREMENTS.
- 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.
- 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.
- ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL, UON.
- REPORT TO THE ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD PREVENT THE CORRECT INSTALLATION OF THE DESIGNED SYSTEM.
- CONDUIT ROUTING (WHERE SHOWN) IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS WITH PE APPROVAL.
- SEAL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS TO MAINTAIN THE FIRE SEPARATION RATING.
- REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF ALL MOUNTED DEVICES. DRAWINGS INDICATE APPROXIMATE LOCATIONS ONLY.
- PROVIDE NECESSARY EQUIPMENT AND/OR ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM THAT MEETS INTENDED DESIGN WHETHER EXPRESSLY SPECIFIED OR NOT.
- PROVIDE REQUIRED CONDUIT, BACK BOXES, JUNCTION BOXES, AND SECURITY EQUIPMENT ENCLOSURES, WHETHER ON DRAWINGS OR NOT, UON.
- 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.
- REFERENCE OTHER TRADE'S DRAWINGS AND SPECIFICATIONS (E.G., TELECOM) FOR ADDITIONAL INFORMATION AND COORDINATE REQUIREMENTS.
- PROVIDE APPROPRIATE NYLON PULL ROPE IN CONDUITS. PROVIDE ANOTHER PULL ROPE AT TIME OF CABLE INSTALLATION FOR FUTURE USE.
- PROVIDE CONDUIT PLUGS IN ALL OSP SECURITY CONDUITS ACCORDING TO THE CABLE USE AND USE BLANK PLUGS FOR UNUSED CONDUITS.
- MOUNT EQUIPMENT OR DEVICES, SUCH AS RUNWAY, CONDUITS, J-HANGER, AND PULL BOXES ACCORDING TO STATE AND LOCAL CODES FOR SEISMIC BRACING.
- 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.
- LABEL ALL SECURITY CONDUITS AT EACH END OF THE CONDUIT IDENTIFYING THE DESTINATION AND USE AS "SECURITY".
- PROVIDE EXPANSION/DEFLECTION FITTING FOR CONDUITS CROSSING EXPANSION JOINTS. SPECIFIC REQUIREMENTS SHALL BE MET FOR THE PEDESTRIAN BRIDGE.
- ALL FIXED CAMERA SHALL UTILIZE POE.
- ALL PTZ CAMERAS SHALL UTILIZE A COMMON POWER SUPPLY LOCATED ON 1ST FLOOR AT EACH RISER LOCATION.
- UNLESS OTHERWISE INDICATED, ALL CONDUIT IS IN SLAB.
- ALL CONDUIT CABLE, AND 120VAC POWER AND ITS ASSOCIATED UNLESS OTHERWISE INDICATED ALL CONDUIT SHALL BE ROOF GALVANIZED STEEL.

| DRAWING INDEX |   |
|---------------|---|
| DWG. No.      | TITLE DESCRIPTION   |
| SEC.0.01      | SECURITY SYSTEM GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS & DRAWING INDEX |
| SEC.2.01      | SECURITY SYSTEM FIRST FLOOR DEVICE LAYOUT PLAN                                |
| SEC.2.02      | SECURITY SYSTEM SECOND FLOOR DEVICE LAYOUT PLAN                               |
| SEC.3.01      | SECURITY SYSTEM POINT-TO-POINT WIRING DIAGRAM                                 |
| SEC.4.01      | SECURITY SYSTEM PANEL ELEVATION, ENLARGED MDF FLOOR PLAN & CCTV BLOCK DIAGRAM |
| SEC.5.01      | SECURITY SYSTEM DOOR DETAILS  |

| CONDUITS & RACEWAYS |   |
|---------------------|---|
|                     | CONDUIT RUN EXPOSED ON WALL OR CEILING.                                 |
|                     | CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.               |
|                     | CONDUIT RUN CONCEALED IN WALL OR CEILING.                               |
|                     | CONDUIT HOMERUN, 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.                            |
|                     | MAN J-HANGER CABLE ROUTING PATHWAY.                                     |
|                     | CONDUIT STUB THROUGH WALL OR FLOOR, NUMBERS INDICATE SIZE AND QUANTITY. |

| POWER AND LIGHTING |  |
|--------------------|--|
|                    | 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. |

| TELECOMMUNICATIONS |   |
|--------------------|---|
|                    | 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):<br>A= ABOVE COUNTER WITH 1" C. (3) CAT6 CABLES TO ACCESSIBLE CEILING SPACE.<br>B= WITH 1" C. (1) CAT6 AND (1) RG-6 COAX CABLES TO ACCESSIBLE CEILING SPACE. DOUBLE-GANG ADAPTER PLATE REQUIRED.<br>C= FLUSH IN CEILING TILE WITH (2) CAT6 CABLES IN SINGLE GANG BOX. BOX MOUNTED TO TILE BRIDGE.<br>T= TAMPER RESISTANT WITH 1" C. (1) CAT6 CABLE TO ACCESSIBLE CEILING SPACE. |

| 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    |
| CM            | COMMUNICATIONS                             | SEC  | SECURITY EQUIPMENT CABINET    |
| CM            | COMMUNICATIONS                             | SM   | SINGLEMODE                    |
| EC            | ELECTRICAL CONTRACTOR                      | ScTP | 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         | TMOB | TELECOM MAIN GROUNDING BUSBAR |
| JB            | JUNCTION BOX                               | THP  | 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**

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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:  
 SECURITY SYSTEM  
 LEGENDS, SYMBOLS,  
 GENERAL NOTES, ABBREV.  
 AND DRAWING INDEX

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

SHEET NUMBER  
**SEC.0.01**