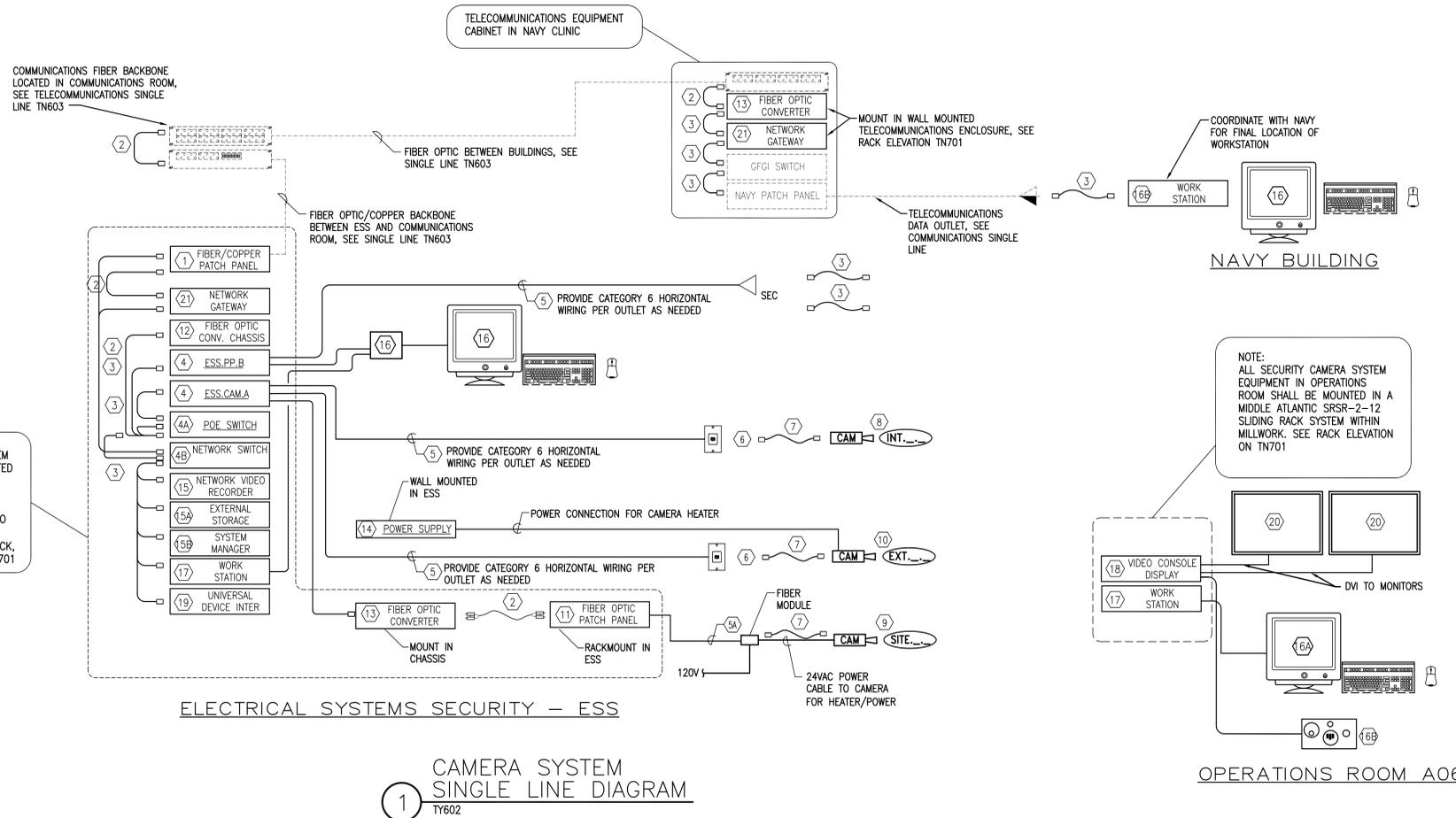


CCTV SINGLE LINE DIAGRAM KEY NOTES

- 1 SECURITY FIBER OPTIC/COPPER PATCH BACKBONE PATCH PANEL TO COMMUNICATIONS ROOM. SEE SHEET TN603.
- 2 FIBER OPTIC PATCH CORD, DUAL/SINGLE FIBER, FDDI GRADE MULTIMODE, CONNECTORS EACH END AS REQUIRED, COLOR AQUA. PROVIDE QUANTITIES AND LENGTHS AS REQUIRED.
- 3 EQUIPMENT ROOM DATA PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY 6 (MINIMUM) FOUR PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 GAUGE STRANDED COPPER CONDUCTORS, COLOR YELLOW. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS WITH NO BOOT. FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY 6 REQUIREMENTS AT SUBMITTAL.
- 4 TIA CATEGORY 6 HORIZONTAL WIRING PATCH PANEL, 48 PORT, TIA 568A PINOUT. PROVIDE WITH FACTORY ICON/LABEL HOLDERS, DESIGNATION LABELS, REAR CABLE MANAGERS, AND MOUNTING HARDWARE. PROVIDE COLORED SNAP-IN BLANK TAB FOR EACH MODULAR JACK, COLOR TO MATCH CORRESPONDING JACK IN CO. SEE "HORIZONTAL PATCH PANEL LABELING NOTES" FOR TERMINATION SEQUENCE, ROW LABELING, AND IDENTIFICATION TAG.
- 4A 10/100/1000 BASE-TX MANAGED DESKTOP POE SWITCH, 48 UTP 10/100/1000 BASE-TX COPPER PORTS, MANAGEMENT MODULE, AND GIGABIT ETHERNET FIBER UPLINKS AS REQUIRED.
- 4B 10/100/1000 BASE-TX MANAGED LAYER 3 DESKTOP SWITCH, 24 UTP 10/100/1000 1 GIGABIT BASE-TX COPPER PORTS, MANAGEMENT MODULE, AND GIGABIT ETHERNET FIBER UPLINKS AS REQUIRED. SEE PELCO CCTV SWITCHING REQUIREMENTS FOR ETHERNET SWITCH SPECIFICATIONS.
- 5 TIA CATEGORY 6 HORIZONTAL WIRING, 4 PAIR UTP, 24 GAUGE SOLID COPPER CONDUCTORS, CMR, COLOR GREEN. MAXIMUM INSTALLED LENGTH 90 METERS (295').
- 5A 4 STRAND FIBER OPTIC CABLE, 50um/125 MULTI-MODE FIBER. ONLY ONE PAIR FIBER SHALL BE USED, SECOND IS SPARE. TERMINATE WITH CONNECTORS IN CAMERA POWER SUPPLY HOUSING AND AT ESS CABINET. SEE SPECIFICATIONS FOR REQUIREMENTS.
- 6 CAT6 OUTLET FOR CAMERA ONLY. FOR PROVIDE PHENOLIC LABEL ABOVE OUTLET INDICATING "CAMERA OUTLET."
- 7 CAMERA PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY 6 (MINIMUM) FOUR PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 GAUGE STRANDED COPPER CONDUCTORS, COLOR BLACK. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS WITH NO BOOT. FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY 6 REQUIREMENTS AT SUBMITTAL.
- 8 INTERIOR PTZ CAMERA, FLUSH MOUNT, IP-BASED, POWERED WITH POWER OVER ETHERNET CONNECTION, PELCO S5118-FW1.
- 9 EXTERIOR LIGHT-POLE MOUNTED PTZ DOME CAMERA, MODEL PELCO SPECTRA HD S5118-EG1, WITH POLE MOUNTED POWER SUPPLY AND MEDIA CONVERTER, VIDOLARM PB24FM-SC, GOOSENECK MOUNT, VIDOLARM WM20G. PAINT/POWDER COAT MOUNT AND BOX TO MATCH CAMERA. PROVIDE CUSTOM POWDER COATED ALUMINUM PLATE BETWEEN PENDANT MOUNT AND POWER SUPPLY MEDIA CONVERTER BOX FOR MOUNTING IF NECESSARY. WEATHERPROOF PENETRATIONS AS NECESSARY. COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR AND LIGHTPOLE MANUFACTURER. SEE POLE MOUNTED CAMERA DETAIL.
- 10 EXTERIOR WALL MOUNTED PTZ DOME CAMERA, MODEL PELCO SPECTRA HD S5118-EG1, WITH IMM SERIES WALL MOUNTED. WEATHERPROOF PENETRATIONS AS NECESSARY. SEE WALL MOUNTED PENDANT CAMERA DETAIL.
- 11 RACK MOUNTED FIBER OPTIC DRAWER (PANDUIT FRM1U OR EQUAL), FIBER OPTIC ADAPTER PLATES AS NECESSARY. LABEL FRONT COVER TO INDICATE SOURCE (ESS ROOM) AND EACH DESTINATION(S) (OUTSIDE CAMERA LOCATION).
- 12 FIBER OPTIC MEDIA CONVERTER CHASSIS, (PELCO RF5000-3U) LOADED WITH MODULES AS REQUIRED TO CONVERT ALL INCOMING VIDEO SIGNALS OVER FIBER TO UTP ETHERNET. FILL UNUSED CHANNELS WITH (PELCO RK5001B-3U FILLER PANELS) AS NECESSARY).
- 13 FIBER OPTIC MEDIA CONVERTER, LOAD MODULE IN ABOVE CHASSIS IF APPLICABLE LABEL MODULE, (PELCO FX82011 ETHERNET MEDIA CONVERTER).
- 14 CAMERA POWER SUPPLY, 4 AMP 24 VAC ALTRONIX ALTV244 OR EQUAL
- 15 NETWORK VIDEO RECORDER CONFIGURE FOR UP TO 15 DAYS AT MAXIMUM RESOLUTION 15 FRAMES PER SECOND OF RECORDED VIDEO (PELCO SERIES NETWORK STORAGE MANAGER NSM5200)
- 15A EXTERNAL RAID DRIVE ARRAY ATTACHED TO NETWORK VIDEO RECORDER, SIZE AS NECESSARY.
- 15B DISTRIBUTED SYSTEM MANAGEMENT AND SECURITY PLATFORM, PELCO SM5000 SYSTEM MANAGER
- 16 RACK MOUNTED INTEGRATED KVM SWITCH WITH RACK-MOUNTED KEYBOARD, MOUSE, AND LCD MONITOR. (MIDDLE ATLANTIC RM-KB-LCD17 OR EQUAL)
- 16A KEYBOARD, MOUSE, AND 21" LCD MONITOR FOR VIDEO MANAGEMENT.
- 16B KEYBOARD, FULLY FUNCTIONALITY MODULAR CONTROLS, PAN/TILT/ZOOM CONTROL, PELCO KBD5000
- 17 WORK STATION, PELCO WS5070 ENDURA WORKSTATION WITH WS200 ADVANCED SYSTEM MANAGEMENT SOFTWARE.
- 18 VIDEO CONSOLE DISPLAY, MULTICHANNEL VIDEO DISPLAY AND USER INTERFACE, PELCO VCD5202
- 19 UNIVERSAL DEVICE INTERFACE, PELCO UDI5000-MTRX
- 20 42" DISPLAY MONITORS FOR CAMERA VIDEO, SHARP PN-E421, SEE DETAILS MONITOR ROUGH-IN AND MOUNTING REQUIREMENTS.
- 21 NETWORK GATEWAY TO PROVIDE INTERCONNECTION/SECURITY/FIREWALL BETWEEN CAMERA SYSTEM NETWORK AND VA MAINTAINED NETWORK FOR REMOTE CONNECTION. COORDINATE WITH VA SECURITY OFFICER IN CHARGE.

NOTE:
THE DIAGRAMS AND DETAILS SHOWN WITHIN THESE DRAWINGS ARE INTENDED TO SHOW TYPICAL CABLING AND EQUIPMENT REQUIRED TO MEET THE SPECIFICATIONS. THIS DIAGRAM SHALL NOT BE CONSTRUED AS BEING COMPLETE. ADDITIONAL EQUIPMENT AND/OR CABLING MAY BE REQUIRED FOR THE CCTV SYSTEMS TO PERFORM AS SPECIFIED, INTENDED, AND REQUIRED. THE SECURITY INTEGRATOR CONTRACTOR SHALL FULLY UNDERSTAND THE INTEND OF THE DRAWINGS PRIOR TO SUBMITTING SHOP DRAWINGS, BEGINNING SYSTEM PROGRAMMING, AND BEGINNING INSTALLATION. THE SECURITY CONTRACTOR SHALL PROVIDE A "TURN-KEY" INSTALLATION AND BE RESPONSIBLE FOR ANY ADDITIONAL CABLES OR EQUIPMENT REQUIRED TO CONSTRUCT A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS.

NOTE:
ALL SECURITY CAMERA SYSTEM EQUIPMENT SHALL BE MOUNTED IN A MIDDLE ATLANTIC OR EQUAL FULLY ENCLOSED CABINET. COORDINATE WITH TELECOM CABLING VENDOR TO LOCATE FIBER/COPPER BACKBONE TO SECURITY RACK, SEE RACK ELEVATION ON TN701



1 CAMERA SYSTEM SINGLE LINE DIAGRAM
TY602

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Drawing Title
SECURITY SINGLE LINE

Approved Project Director

Project Title
**PANAMA CITY
JOINT OUTPATIENT CLINIC
VA GULF COAST HEALTH CARE**

Location
PANAMA CITY, FLORIDA

Date
MARCH 2012

Project Number
520-326

Building Number
-

Checked
TAN

Drawn
CEC

Drawing Number
TY602
Dwg 7 of 7



FINAL SUBMISSION

Office of
Construction
and Facilities
Management

