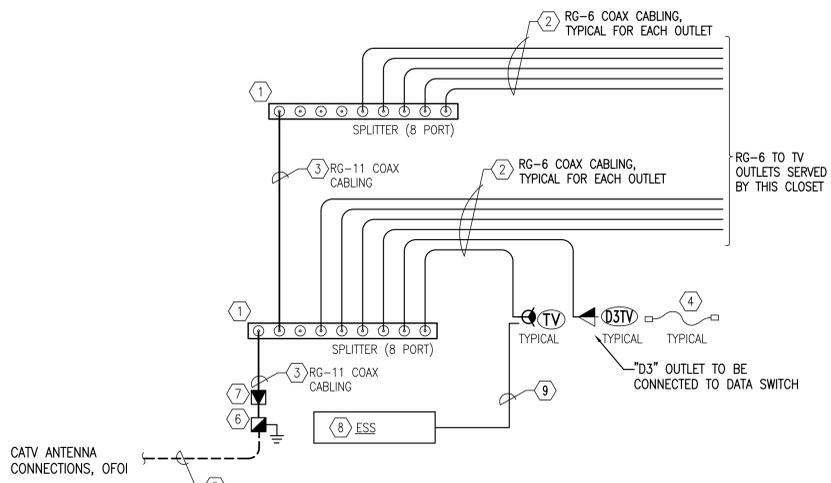


TV SYSTEM KEY NOTES

- 1) PROFESSIONAL GRADE SPLITTER, 8 OUTPUT, 1000 mhz. MOUNT ON BACKBOARD.
- 2) RG-6 COAX TV CABLE, RUN CONTINUOUS WITH NO SPLICES OR COUPLERS.
- 3) RG-11 COAX TV CABLE, RUN CONTINUOUS WITH NO SPLICES OR COUPLERS.
- 4) PROFESSIONAL GRADE FACTORY JUMPERS, RG-6 COAX WITH CRIMP-ON SCREW CONNECTORS, QUANTITY EQUAL TO NUMBERS OF TV OUTLETS PLUS 25% SPARE, LENGTH AS REQUIRED.
- 5) INCOMING CATV SERVICE TIE-IN, COORDINATE FEED REQUIREMENTS WITH OWNER.
- 6) SURGE PROTECTOR, 750, 0-1000mhz, 750V @ 10kV/us, MOUNT ON BACKBOARD AND ROUTE #6 GROUND TO GROUNDING BUSBAR.
- 7) DISTRIBUTION AMPLIFIER, VARIABLE GAIN/SLOPE 1000 MHZ, MOUNT ON BACKBOARD IN ESS.
- 8) TIA CATEGORY 6 HORIZONTAL WIRING ANGLED PATCH PANEL, 24 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.
- 9) TIA CATEGORY 6 HORIZONTAL WIRING, 4 PAIR UTP, 24 GAUGE SOLID COPPER CONDUCTORS, CMR, COLOR BLACK. MAXIMUM INSTALLED LENGTH 90 METERS (295').



ELECTRICAL SYSTEMS ROOM 21

1 TV SYSTEM SINGLE LINE DIAGRAM
NOT TO SCALE

TV SYSTEM GENERAL NOTES:

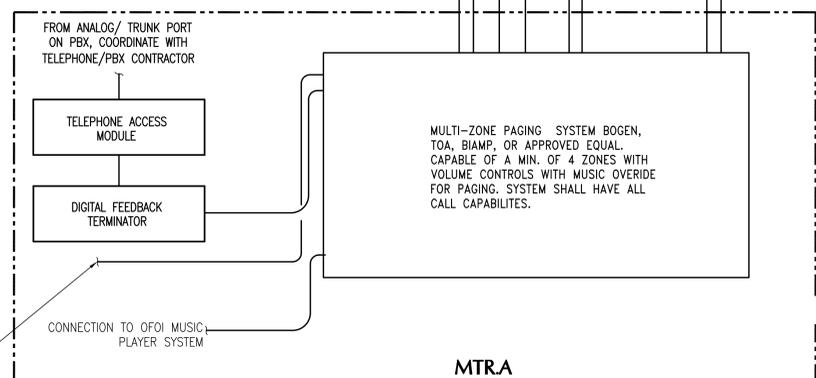
- 1) CABLE SHALL BE CONTINUOUS BETWEEN DEVICES. INTERMEDIATE SPLICES OR COUPLINGS ARE NOT ALLOWABLE.
- 2) ALL COAXIAL CONNECTORS SHALL BE 'F' COMPRESSION TYPE, FOR RG-6 AND RG-11. ALL COAXIAL CONNECTIONS SHALL BE TERMINATED BY TRAINED TECHNICIANS WITH PROFESSIONAL GRADE TOOLS SPECIFICALLY SIZED FOR EACH CONNECTOR TYPE.
- 3) PROVIDE BLONDER-TONGUE LE-360 OR EQUAL LINE EQUALIZERS AS REQUIRED TO COMPENSATE FOR CABLE SLOPE ADJUSTMENT FOR BACKBONE CABLE FEEDS.
- 4) TERMINATE ALL UNUSED SPLITTER PORTS WITH 75 OHM TERMINATING RESISTORS, BLONDER-TONGUE BTF-TP.
- 5) MOUNT ALL DISTRIBUTION AMPLIFIERS WITH LONG SIDE (HEAT SINKS) IN THE DIRECTION OF VERTICAL, NOT HORIZONTAL, FOR PROPER HEAT DISPLACEMENT.
- 6) PROVIDE SPLITTERS/TAPS WITH RESISTIVE NETWORK CIRCUIT BOARDS IN LIEU OF FERRITE BEADS.
- 7) PROVIDE PROFESSIONAL GRADE FACTORY JUMPERS, RG-6 COAX WITH SCREW-ON ENDS, QUANTITY EQUAL TO NUMBERS OF TV OUTLETS SHOWN ON PLANS, PLUS 25% SPARE, LENGTH AS REQUIRED.
- 8) ALL INPUT CABLES SHALL NOT BE BUNDLED WITH OUTPUT CABLES. PHYSICAL SEPARATION BETWEEN INPUT AND OUTPUT CABLES SHALL BE MAINTAINED.
- 9) REFER TO SPECIFICATIONS FOR ACCEPTABLE COAX CABLING MANUFACTURERS.
- 10) REFER TO FLOOR PLANS FOR ACTUAL DEVICE COUNTS.

- VOLUME CONTROL KNOB ZONE 1
- VOLUME CONTROL KNOB ZONE 2
- VOLUME CONTROL KNOB ZONE 3
- VOLUME CONTROL KNOB ZONE 4

- GROUNDING GENERAL NOTES:**
- 1) GROUND EACH AMPLIFIER TO COMMON GROUND.
 - 2) GROUND SHIELDED CABLE DRAIN WIRES PER MANUFACTURER'S REQUIREMENTS.

PAGING SPEAKER TESTING, TUNING, AND ZONING NOTE
ZONE SPEAKERS AS REQUIRED AS DIRECTED BY THE OWNERS REPRESENTATIVE. PRIOR TO FINALIZING INSTALLATION, CONTACT THE OWNER AND SCHEDULE A COORDINATION MEETING AT THE SITE TO PROVIDE SPECIFIC AND FINAL DIRECTIONS FOR ZONING.

THE CONTRACTOR SHALL, ALONG WITH THE OWNER, TUNE AND BALANCE THE SYSTEM BY SETTING THE VOLUME ON EACH SPEAKER AND VERIFYING THE SOUND QUALITY AT EACH SPEAKER TO THE SATISFACTION OF THE OWNER'S DESIGNATED REPRESENTATIVE.



PAGING SYSTEM GENERAL NOTE

THE DIAGRAM IS INTENDED TO SHOW TYPICAL CABLING AND EQUIPMENT REQUIRED TO MEET THE REQUIREMENTS OF THE PAGING/PUBLIC ADDRESS SYSTEM. THIS DIAGRAM SHALL NOT BE CONSTRUED AS BEING COMPLETE. ADDITIONAL EQUIPMENT AND/OR CABLING MAY BE REQUIRED FOR THE SYSTEM TO PERFORM AS SPECIFIED. THE CONTRACTOR SHALL PROVIDE A "TURN-KEY" INSTALLATION AND BE RESPONSIBLE FOR ANY ADDITIONAL CABLES OR EQUIPMENT REQUIRED TO CONSTRUCT A COMPLETE AND FUNCTIONAL SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL LOCATION, EQUIPMENT, CONDUIT ROUTING, CABLE TYPES, ETC AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

FIRST FLOOR

FIRST FLOOR

2 PAGING SYSTEM SINGLE LINE DIAGRAM
NOT TO SCALE

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Drawing Title
TV AND PAGING SINGLE LINE DIAGRAM

Approved Project Director

FINAL SUBMISSION / FULLY SPRINKLERED

Project Title CONSTRUCT VA OUTPATIENT CLINIC, PANAMA CITY	Project Number 520-326	Office of Construction and Facilities Management
Location PANAMA CITY, FLORIDA	Building Number -	
Date APRIL 2018	Checked TAN	Drawn CEC
Drawing Number TN604		Department of Veterans Affairs