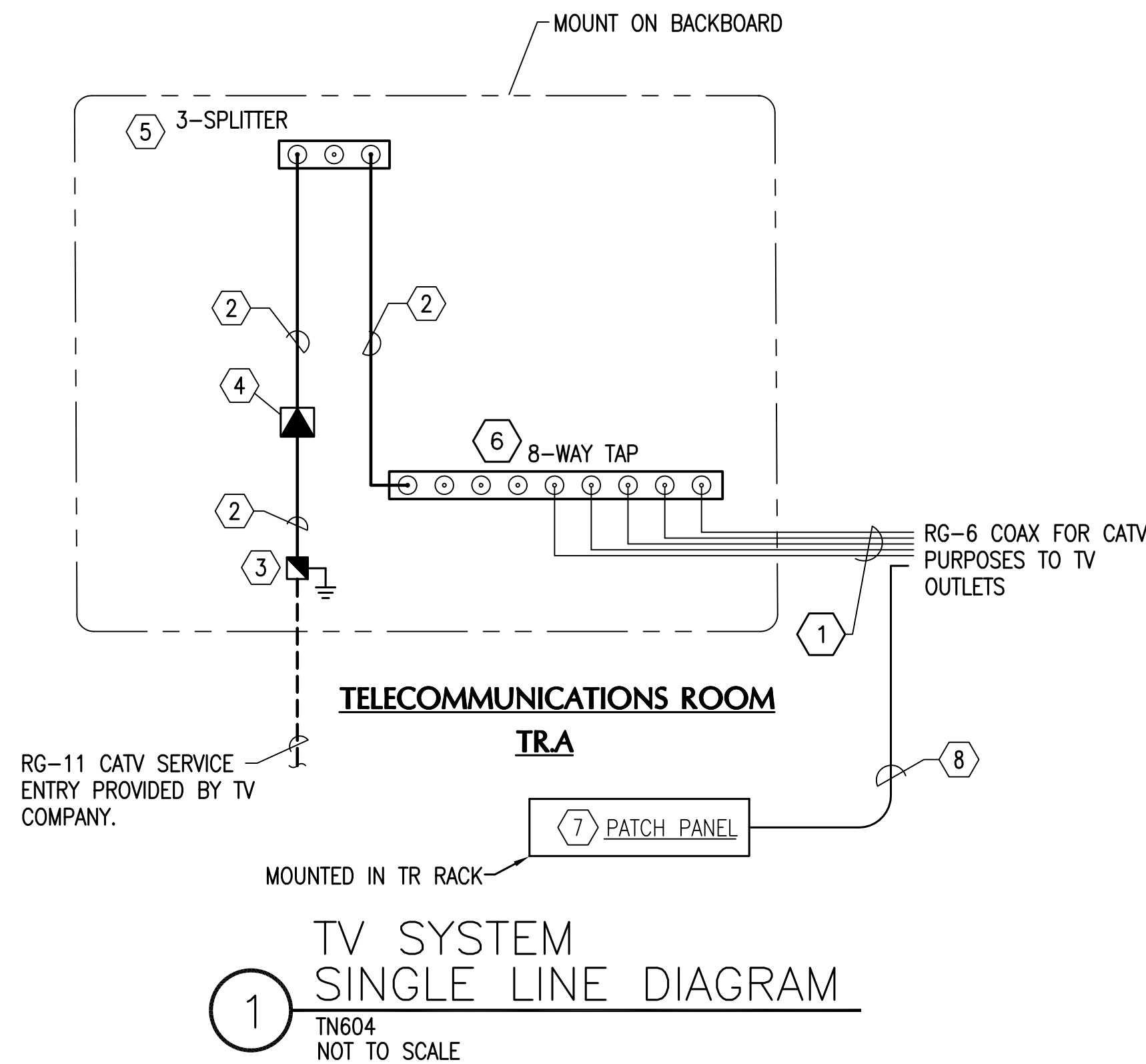


## TV SYSTEM KEY NOTES

- 1) RG-6 QUAD SHIELD COAX TV CABLE, RUN CONTINUOUS WITH NO SPLICES FROM SERVING TR TO TV OUTLET.
- 2) RG-11 COAX TV CABLE, RUN CONTINUOUS WITH NO SPLICES OR COUPLERS.
- 3) SURGE PROTECTOR, EDCO #CATV-145A OR EQUAL AND ROUTE #6 GROUND TO GROUNDING BUSBAR.
- 4) CATV DISTRIBUTION AMPLIFIER, VARIABLE GAIN AND SLOPE, 1000 MHZ, MOUNT ON BACKBOARD, HOOK-UP, AND TUNE TO SYSTEM SETTINGS/VERIFY PROPER OPERATION. PROVIDE POWER EXTENSION CORD AS REQUIRED TO REACH POWER OUTLET.
- 5) PROVIDE SPLITTER, 3 PORT (BLONDERTONGUE SCVS SERIES OR EQUAL)
- 6) PROVIDE TAP: 2, 4, 6 OR 8 PORT AS NECESSARY PER QTY ON FLOOR PLAN PROVIDE 15% PERCENT SPARE. (BLONDERTONGUE SRT SERIES OR EQUAL)
- 7) TIA CATEGORY 6 HORIZONTAL WIRING PATCH PANEL, 12 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.
- 8) TIA CATEGORY 6 HORIZONTAL WIRING, 4 PAIR UTP, 24 GAUGE SOLID COPPER CONDUCTORS, CMR, COLOR BLACK. MAXIMUM INSTALLED LENGTH 90 METERS (295').



NOTE:  
THIS SINGLE LINE IS DIAGRAMMATIC ONLY. TAP VALUES, AMPLIFIER SETTINGS, LINE EQUALIZERS, ETC SHALL ALL BE LOCATED AND PROVIDED AS BASED ON FINAL CABLE ROUTING, LENGTH, AND SIGNAL STRENGTH. PROVIDE APPROPRIATE CALCULATIONS BASED ON THESE INSTALLED CONDITIONS.

### TV SYSTEM SIGNAL LEVEL TUNING NOTE

PROVIDE FIXED ATTENUATORS AT EACH OUTPUT OF EACH SPLITTER AS REQUIRED TO ACHIEVE SIGNAL LEVEL OF 6-10 dB AT EACH TV OUTLET. MOUNT ATTENUATORS ON BACKBOARD IN CLOSETS NEAR CATV TERMINATIONS. COMPLETE LOG OF ATTENUATOR VALUES INSTALLED FOR EACH OUTLET AND PROVIDE COPY WITH SIGNATURE OF TECHNICIAN TO ENGINEER IMMEDIATELY UPON COMPLETION OF TUNING.

VOLUME CONTROL KNOB ZONE 1  
VOLUME CONTROL KNOB ZONE 2  
VOLUME CONTROL KNOB ZONE 3

### 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.

CONNECT TO FIRE ALARM SYSTEM FOR PAGING SYSTEM OVERRIDE.

FROM ANALOG TRUNK PORT ON PBX, COORDINATE WITH TELEPHONE/PBX CONTRACTOR

TELEPHONE ACCESS MODULE

DIGITAL FEEDBACK TERMINATOR

CONNECTION TO OFOI MUSIC PLAYER SYSTEM

MULTI-ZONE PAGING SYSTEM VALCOM, TOA, BIAMP, OR APPROVED EQUAL. CAPABLE OF A MIN. OF 4 ZONES WITH VOLUME CONTROLS WITH MUSIC OVERRIDE FOR PAGING.

TRA

TO ZONE 3 SPEAKERS  
TO ZONE 2 SPEAKERS  
TO ZONE 1 SPEAKERS

SPEAKER CABLE - 2 CONDUCTOR, 16 A.W.G. SPEAKER CABLE, LENGTH AS REQUIRED, WEST PENN WIRE 225 OR EQUAL, TYPICAL FOR ALL SPEAKERS.

TYPICAL SPEAKERS SHALL BE FLUSH MOUNTED CEILING SPEAKER WITH 70 VOLT PAGING SYSTEMS. SPEAKERS SHALL BE CAPABLE OF 1W TAP, WITH LOCAL VOLUME KNOB, WHITE GRILL, AND 8" DOME. PROVIDE EACH SPEAKER COMPLETE WITH TILE BRIDGE SUPPORT KIT AND RECESSED ENCLOSURE BACKBOX.

## 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.

INDICATES PAGING ZONED AREA

SPEAKER ZONING NOMENCLATURE

WALL OR RACK MOUNT IN TRA

FIRST FLOOR

FIRST FLOOR

## PAGING SYSTEM SINGLE LINE DIAGRAM

2

TN604  
NOT TO SCALE

FINAL SUBMISSION  
APRIL 9, 2013

IF SHEET IS LESS THAN (30"x42") IT IS  
A REDUCED PRINT; SCALE ACCORDINGLY

TN604



 766 MIDDLE ST., FARMHOPE, AL 36532 251-990-5778 ARCH. & ENGR. SEAL 	NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO.	DEPARTMENT OF THE NAVY NAVAL SUPPORT ACTIVITY PANAMA CITY, FLORIDA
	SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY CEC	CONSTRUCT NAVAL BRANCH CLINIC, PANAMA CITY
	FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY CEC	TELECOMMUNICATIONS SYSTEM SINGLE LINE
	PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	SUPERVISOR TAN	SIZE F
	APPROVED DATE 02/15/2013	DATE 02/15/2013	CONSTR. CONTR. NO. N/A
	PUBLIC WORKS OFFICER	SCALE AS NOTED	MACC. T.O.# SHEET 11 OF 12