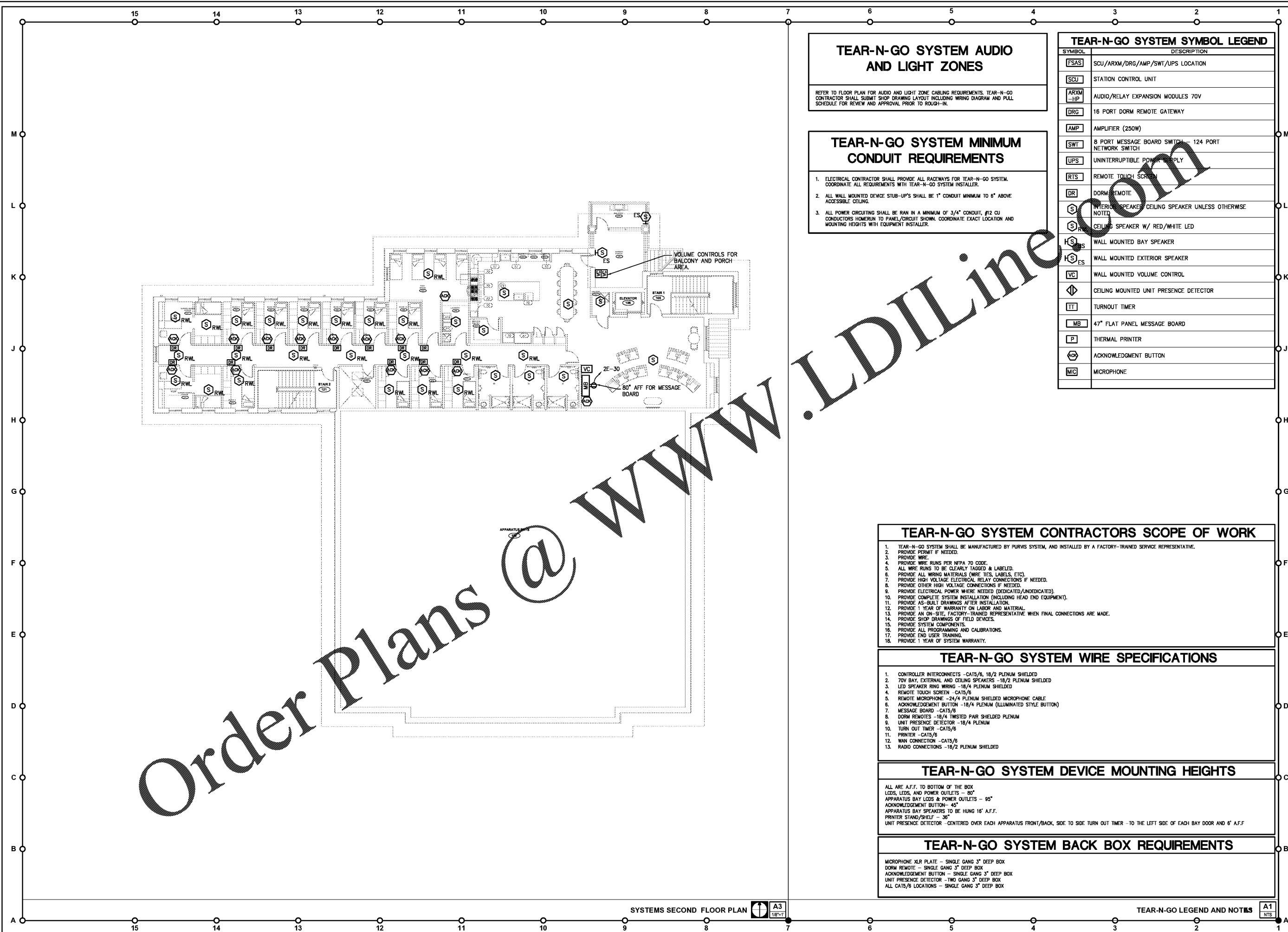


05/25/20  
Johnna Wickham, 20191510000 FGA CPA Fire Station 17\Bacord\19-0862\_F-3\_14\_1\_Floor\_Plane-System2.dwg



### TEAR-N-GO SYSTEM AUDIO AND LIGHT ZONES

REFER TO FLOOR PLAN FOR AUDIO AND LIGHT ZONE CABLING REQUIREMENTS. TEAR-N-GO CONTRACTOR SHALL SUBMIT SHOP DRAWING LAYOUT INCLUDING WIRING DIAGRAM AND PULL SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO ROUGH-IN.

### TEAR-N-GO SYSTEM MINIMUM CONDUIT REQUIREMENTS

- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAYS FOR TEAR-N-GO SYSTEM. COORDINATE ALL REQUIREMENTS WITH TEAR-N-GO SYSTEM INSTALLER.
- ALL WALL MOUNTED DEVICE STUB-UPS SHALL BE 1" CONDUIT MINIMUM TO 6" ABOVE ACCESSIBLE CEILING.
- ALL POWER CIRCUITING SHALL BE RAN IN A MINIMUM OF 3/4" CONDUIT, #12 CU CONDUCTORS HOMERUN TO PANEL/CIRCUIT SHOWN. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH EQUIPMENT INSTALLER.

TEAR-N-GO SYSTEM SYMBOL LEGEND	
SYMBOL	DESCRIPTION
[FSAS]	SCU/ARXM/DRG/AMP/SWT/UPS LOCATION
[SCU]	STATION CONTROL UNIT
[ARXM-HP]	AUDIO/RELAY EXPANSION MODULES 70V
[DRG]	16 PORT DORM REMOTE GATEWAY
[AMP]	AMPLIFIER (250W)
[SWT]	8 PORT MESSAGE BOARD SWITCH - 124 PORT NETWORK SWITCH
[UPS]	UNINTERRUPTIBLE POWER SUPPLY
[RTS]	REMOTE TOUCH SCREEN
[DR]	DORM REMOTE
[S]	INTER-SPEAKER/CEILING SPEAKER UNLESS OTHERWISE NOTED
[S]	CEILING SPEAKER W/ RED/WHITE LED
[HS]	WALL MOUNTED BAY SPEAKER
[HS]	WALL MOUNTED EXTERIOR SPEAKER
[VC]	WALL MOUNTED VOLUME CONTROL
[P]	CEILING MOUNTED UNIT PRESENCE DETECTOR
[TT]	TURNOUT TIMER
[MB]	47" FLAT PANEL MESSAGE BOARD
[P]	THERMAL PRINTER
[ACK]	ACKNOWLEDGMENT BUTTON
[MIC]	MICROPHONE

### TEAR-N-GO SYSTEM CONTRACTORS SCOPE OF WORK

- TEAR-N-GO SYSTEM SHALL BE MANUFACTURED BY PURVIS SYSTEM, AND INSTALLED BY A FACTORY-TRAINED SERVICE REPRESENTATIVE.
- PROVIDE PERMIT IF NEEDED.
- PROVIDE WIRE.
- PROVIDE WIRE RUNS PER NFPA 70 CODE.
- ALL WIRE RUNS TO BE CLEARLY TAGGED & LABELED.
- PROVIDE ALL WIRING MATERIALS (WIRE TIES, LABELS, ETC).
- PROVIDE HIGH VOLTAGE ELECTRICAL RELAY CONNECTIONS IF NEEDED.
- PROVIDE OTHER HIGH VOLTAGE CONNECTIONS IF NEEDED.
- PROVIDE ELECTRICAL POWER WHERE NEEDED (DEDICATED/UNDEDICATED).
- PROVIDE COMPLETE SYSTEM INSTALLATION (INCLUDING HEAD END EQUIPMENT).
- PROVIDE AS-BUILT DRAWINGS AFTER INSTALLATION.
- PROVIDE 1 YEAR OF WARRANTY ON LABOR AND MATERIAL.
- PROVIDE AN ON-SITE, FACTORY-TRAINED REPRESENTATIVE WHEN FINAL CONNECTIONS ARE MADE.
- PROVIDE SHOP DRAWINGS OF FIELD DEVICES.
- PROVIDE SYSTEM COMPONENTS.
- PROVIDE ALL PROGRAMMING AND CALIBRATIONS.
- PROVIDE END USER TRAINING.
- PROVIDE 1 YEAR OF SYSTEM WARRANTY.

### TEAR-N-GO SYSTEM WIRE SPECIFICATIONS

- CONTROLLER INTERCONNECTS - CAT5/6, 18/2 PLENUM SHIELDED
- 70V BAY, EXTERNAL AND CEILING SPEAKERS - 18/2 PLENUM SHIELDED
- LED SPEAKER RING WIRING - 18/4 PLENUM SHIELDED
- REMOTE TOUCH SCREEN - CAT5/6
- REMOTE MICROPHONE - 24/4 PLENUM SHIELDED MICROPHONE CABLE
- ACKNOWLEDGMENT BUTTON - 18/4 PLENUM (ILLUMINATED STYLE BUTTON)
- MESSAGE BOARD - CAT5/6
- DORM REMOTES - 18/4 TWISTED PAIR SHIELDED PLENUM
- UNIT PRESENCE DETECTOR - 18/4 PLENUM
- TURN OUT TIMER - CAT5/6
- PRINTER - CAT5/6
- WAN CONNECTION - CAT5/6
- RADIO CONNECTIONS - 18/2 PLENUM SHIELDED

### TEAR-N-GO SYSTEM DEVICE MOUNTING HEIGHTS

ALL ARE A.F.F. TO BOTTOM OF THE BOX  
LOADS, LEDS, AND POWER OUTLETS - 80"  
APPARATUS BAY LOADS & POWER OUTLETS - 95"  
ACKNOWLEDGMENT BUTTON - 45"  
APPARATUS BAY SPEAKERS TO BE HUNG 16" A.F.F.  
PRINTER STAND/SHELF - 36"  
UNIT PRESENCE DETECTOR - CENTERED OVER EACH APPARATUS FRONT/BACK, SIDE TO SIDE TURN OUT TIMER - TO THE LEFT SIDE OF EACH BAY DOOR AND 6" A.F.F.

### TEAR-N-GO SYSTEM BACK BOX REQUIREMENTS

MICROPHONE XLR PLATE - SINGLE GANG 3" DEEP BOX  
DORM REMOTE - SINGLE GANG 3" DEEP BOX  
ACKNOWLEDGMENT BUTTON - SINGLE GANG 3" DEEP BOX  
UNIT PRESENCE DETECTOR - TWO GANG 3" DEEP BOX  
ALL CAT5/6 LOCATIONS - SINGLE GANG 3" DEEP BOX

**ENGINEERING MATRIX, INC.**  
ENGINEERING CONSULTING  
2880 SCHEERER DRIVE, SUITE 640  
ST. PETERSBURG, FLORIDA 33716  
(727) 372-4668 FAX(727) 372-8062 EMAIL: em@matrixinc.com  
CERT. OF AUTHORIZATION NO. 4898 ERM JOB NO. 19-0900  
© 2019 Engineering Matrix, Inc. DRAWN BY: EM CHECKED BY: JSW

**FleischmanGarcia**  
REGISTERED PROFESSIONAL ENGINEERS  
3511 WYNDHAM AVENUE, SUITE 300  
TAMPA, FLORIDA 33629  
PHONE (813) 282-9900  
FAC (813) 282-9900  
REGISTRATION NUMBER: AA 000273

**Pasco County  
Fire & Rescue Station  
No. 17**  
New Port Richey, Florida

THIS PERSON AND DRAWING ARE THE SOLE PROPERTY OF PASCO COUNTY. NO PART OF THIS WORK AND NOT BE REPRODUCED WITHOUT THE WRITTEN PERMISSION FROM FLEISCHMANGARCIA.  
I CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THESE DRAWINGS COMPLY WITH ALL RELEVANT BUILDING CODES.

FGA PROJECT NUMBER  
**19039**

ISSUE DATE  
**05-25-20**

REVISIONS  
DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_

SHEET NUMBER  
**E4.4**