

LEGEN

- F MANUAL PULL STATION
- H HEAT DETECTOR
- S SMOKE DETECTOR
- CO CARBON MONOXIDE DETECTOR
- FACP FIRE ALARM PANEL
- S DUAL STROBES AND SPEAKER
- S CEILING MOUNTED STROBES SPEAKER
- V HORN-TYPE LOUDSPEAKER

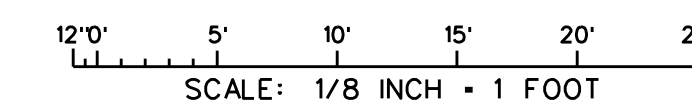
1 EXISTING FIRE ALARM SYSTEM SCALE: 1/8" = 1'-0"
 E1 1 2 3 4 5 6 7 8

SPECIAL ELECTRICAL KEYED NOTES:

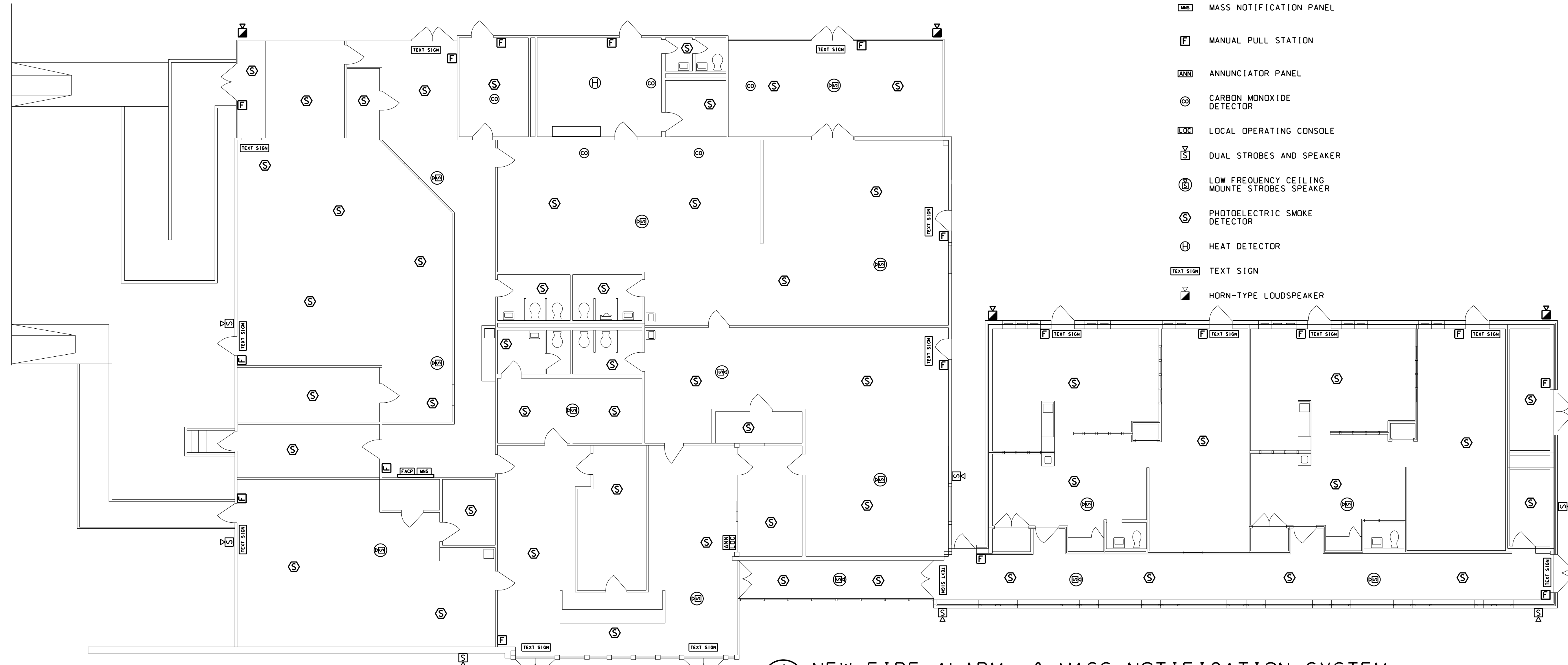
- 1 THE CURRENTLY INSTALLED FIRE ALARM SYSTEM IN BUILDING 1051 HAS REACHED ITS LIMITATIONS; THEREFORE, THIS PROJECT IS TO REPLACE THE ENTIRE EXISTING FIRE ALARM SYSTEM WITH NEW FIRE ALARM AND MASS NOTIFICATION SYSTEMS IN THE BUILDING.
- 2 THE NEW FIRE ALARM AND MASS NOTIFICATION SYSTEM LAYOUT PLAN IN BUILDING 1051 HAS TO BE REDESIGN TO MEET CURRENT UFC 3-600-01 (CHANGE 6) FIRE PROTECTION ENGINEERING FOR FACILITIES, UFC 4-010-01 DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS, UFC 4-021-01 DESIGN AND O&M OF MASS NOTIFICATION SYSTEMS, AR 420-1 ARMY REGULATION, AND ALL THE APPLICABLE NFPA CODES AND STANDARDS REQUIREMENTS DUE TO CHANGES IN THE BUILDING CONSTRUCTIONS, RENOVATIONS, AND OCCUPANCIES.
- 3 CONTRACTOR SHALL VISIT THE SITE AND CAREFULLY EXAMINE THE SITE LOCATION AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTER SHALL NOT BE RECOGNIZED.
- 4 CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD/SITE VISIT TO OBTAIN AND VERIFY MEASUREMENTS, SITE CONDITIONS AND TO DETERMINE EXISTING SITE CONDITIONS, DIMENSIONS AND STRUCTURAL SUPPORT REQUIREMENTS IAW ACCEPTED LOCAL, STATE AND FEDERAL BUILDING PRACTICES. ALL DRAWINGS PROVIDED TO THE CONTRACTOR ARE FOR REFERENCE/ INFORMATION ONLY AND MAY OR MAY NOT BE CURRENT OR TO SCALE. CONTRACTOR SHALL PROVIDE FOR ANY/ALL DEVIATIONS TO ACCEPTED LOCAL, STATE AND FEDERAL BUILDING PRACTICES/CODES AND BRING THESE TO THE ATTENTION OF THE CONSTRUCTION INSPECTOR AND CONTRACTING OFFICES REPRESENTATIVE FOR REVIEW/CONSIDERATION BY THE GOVERNMENT.

- 5 THE DRAWINGS FROM THIS BID DOCUMENT IS ONLY 35% DESIGN. CONTRACTOR SHALL COMPLETE THE DESIGN TO 100% AND THE FINAL FIRE PROTECTION DESIGN PLAN MUST MEET ALL THE APPLICABLE CODES AND STANDARDS ACCEPTED BY THE FORT MOORE FIRE DEPARTMENT.
- 6 REPLACE EXISTING FIRE ALARM SYSTEM IN BUILDING 1051 WITH THE NEW FIRE ALARM AND MASS NOTIFICATION SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL A HONEYWELL BRAND SILENT KNIGHT FIRE ALARM CONTROL PANEL WITH COMPATIBLE FIRE ALARM DETECTION AND PROTECTION DEVICES, AND MASS NOTIFICATION SYSTEM.
- 7 REMOVE EXISTING FIRE ALARM CONTROL PANEL AND EXISTING FIRE ALARM ANNUNCIATOR FROM BUILDING 1051. REMOVE ALL EXISTING FIRE ALARM DEVICES (SUCH AS REMOTE POWER SUPPLIES AND POWER CABINETS, PULL STATIONS, SMOKE DETECTORS, HEAT DETECTORS, CONTROL MODULES, MONITOR MODULES, RELAY MODULES, KITCHEN HOOD SYSTEM IF NECESSARY, STROBE/HORN, STROBE ONLY, CEILING MOUNT STROBE, AND SO ON) FROM BUILDING 1051 WITH NEW FIRE ALARM DEVICES THAT ARE COMPATIBLE WITH NEW FIRE ALARM CONTROL PANEL AND MASS NOTIFICATION PANEL.
- 8 PROVIDE NEW OR EXTEND EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM, SMOLE, DUCT, AND HEAT DETECTION SYSTEM AS REQUIRED. CONNECT THE NEW FIRE ALARM AND MASS NOTIFICATION SYSTEM TO THE EXISTING FIRE SUPPRESSION SYSTEM ON THE FACILITY.

35% DESIGN
 BID DOCUMENTS



BY		DATE		REVISIONS		EXISTING FIRE ALARM SYSTEM DIRECTORATE OF PUBLIC WORKS FORT BENNING, GEORGIA REPLACE FIRE ALARM SYSTEM, CDC, B1051 FORT MOORE, GEORGIA	
SYMBOL						L&E NO:	



LEGEN

- FACP** FIRE ALARM CONTROL PANEL
- MNS** MASS NOTIFICATION PANEL
- F** MANUAL PULL STATION
- ANN** ANNUNCIATOR PANEL
- CO** CARBON MONOXIDE DETECTOR
- LOC** LOCAL OPERATING CONSOLE
- VS** DUAL STROBES AND SPEAKER
- LS** LOW FREQUENCY CEILING MOUNTED STROBES SPEAKER
- S** PHOTOELECTRIC SMOKE DETECTOR
- H** HEAT DETECTOR
- TEXT SIGN** TEXT SIGN
- TV** HORN-TYPE LOUDSPEAKER

1 NEW FIRE ALARM & MASS NOTIFICATION SYSTEM

SCALE: 1/8" = 1'-0"

SPECIAL ELECTRICAL KEYED NOTES:

- 1 PROVIDE AND INSTALL A NEW FIRE ALARM AND MASS NOTIFICATION SYSTEM AT B1051. THE NEW SYSTEM SHALL MEET CURRENT FORT MOORE FIRE DEPARTMENT REQUIREMENTS, CURRENT UFC 4-740-15, AND ALL THE CURRENT NFPA APPLICABLE CODES AND STANDARDS REQUIREMENT.
- 2 PROVIDE AND INSTALL LOCAL OPERATING CONSOLES (LOC) AND ANNUNCIATOR (ANN) AS REQUIRED BY UFC. SEE SCOPE OF WORK FOR DETAILS.
- 3 PROVIDE AND INSTALL FA/MNS SPEAKERS AND/OR HORN-TYPE LOUDSPEAKER MOUNTED ON THE EXTERIOR BUILDING WALLS.
- 4 TEXT SIGNS ARE REQUIRED FOR THE NEW FIRE ALARM AND MASS NOTIFICATION SYSTEMS. LED TYPE TEXT SIGNS MUST BE INSTALLED FOR NEW FIRE ALARM AND MASS NOTIFICATION SYSTEMS IN BUILDING 9141. THESE TEXT SIGNS (LED DISPLAY DIGITAL TEXT SIGN) ARE ACTIVATED IN CONJUNCTION WITH VOICE MESSAGES OVER THE MASS NOTIFICATION OR FIRE ALARM SYSTEM. PROVIDE AND INSTALL TEXT SIGNS THROUGHOUT BUILDING 9141.
- 5 IN UFC 4-021-01, 5-4.4 NOTIFICATION APPLIANCE NETWORK, A NOTIFICATION APPLIANCE NETWORK CONSISTS OF A SET OF AUDIO SPEAKERS, STROBES, AND TEXT SIGNS LOCATED TO ALERT OCCUPANTS AND PROVIDE INTELLIGIBLE VOICE AND WRITTEN INSTRUCTIONS. TEXT SIGNS ARE INSTALL OVER DOOR TO EACH EGRESS STAIRWELL AND OVER THE SUBSTANTIAL MEANS OF EGRESS FROM THE LEVEL OF DISCHARGE. EXTERIOR EXIT DOOR FROM A SINGLE ROOM (EXAMPLE, MECHANICAL OR ELECTRICAL ROOMS) DO NOT REQUIRED A TEXT SIGN.
- 6 PROVIDE AND INSTALL FA/MNS SPEAKERS MOUNTED ON THE EXTERIOR WALL AROUND THE BUILDING AT THE ENTRANCES /EXITS AND OUTDOOR AREAS (SUCH AS COURTYARDS, COVERED BREAK AREAS, DESIGNATED SMOKING AREAS, AND SIDE-WALK LEADING FROM THE BUILDING'S EXIT DOORS TO A PUBLIC STREET OR FROM PARKING AREAS FOR A DISTANCE UP TO 16 FOOT FROM THE BUILDING) COMMONLY USED BY THE BUILDING OCCUPANTS.

- 7 CONTRACTOR SHALL PROVIDE A NEW FIRE ALARM AND MASS NOTIFICATION SYSTEMS DESIGN IN AUTOCAD FORMAT AND SUBMITTAL THE 65% AND 95% DESIGN DRAWINGS AND SPECIFICATIONS FOR THE GOVERNMENT APPROVAL. THE 100% DESIGN SUBMITTAL AND ENGINEERED AS-BUILT CONSTRUCTION DOCUMENTS SHALL INCLUDE ALL FINAL DESIGN MATERIALS, MODIFICATIONS AND REVISIONS DURING THE CONSTRUCTION PROCESS. THE ACCEPTABLE AS-BUILT DRAWINGS MUST HAVE TO SHOW ALL THE CIRCUITS (SUCH AS SIGNALING LINE CIRCUITS, INITIATING DEVICE AND NOTIFICATION APPLIANCE CIRCUITS) CONNECTED TO THE FIRE ALARM AND MASS NOTIFICATION SYSTEMS.
- 8 EXISTING FIRE ALARM SYSTEM AT B1052 SHALL REMAIN IN PLACE AND MAINTAIN OPERATIONAL DURING PROJECT CONSTRUCTION. COMPLETE REMOVE THE EXISTING FIRE ALARM SYSTEM AT B1051 AFTER THE INSTALLATION AND ACTIVATION OF THE NEW FIRE ALARM AND MASS NOTIFICATION SYSTEM AT B1051.
- 9 PROVIDE AND INSTALL A NEW FIRE ALARM CONTROL PANEL AND MASS NOTIFICATION PANEL IN THIS LOCATION. MOUNT THE FIRE ALARM CONTROL PANEL AND MASS NOTIFICATION PANEL ON A NEW 6'x8' TELECOM BACKBOARD WITH 3/4" THICK FIRE RETARDANT PLYWOOD.

35% DESIGN
BID DOCUMENTS

12' 0" 5' 10' 15' 20' 25'
SCALE: 1/8" INCH = 1 FOOT

NEW FIRE ALARM & MASS NOTIFICATION SYSTEM			
DIRECTORATE OF PUBLIC WORKS FORT BENNING, GEORGIA			
REPLACE FIRE ALARM SYSTEM, CDC, B1051 FORT MOORE, GEORGIA			
DRAWN BY K. CHAN	APPROVED J.C. VANTLAND	DRAWING NUMBER 44521-E2	SCALE NOTED DATE 18 NOV 24
SYMBOL	DATE	REVISIONS	L&E NO: