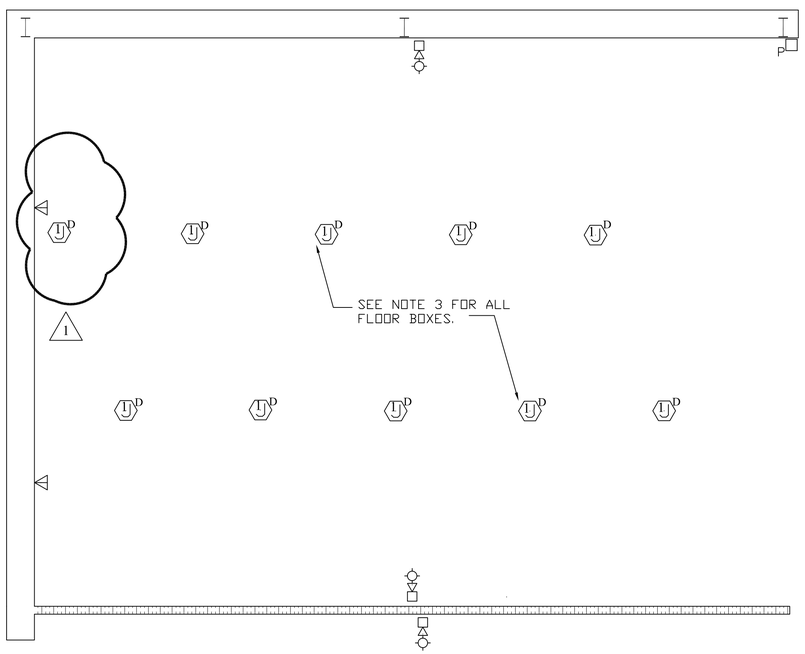
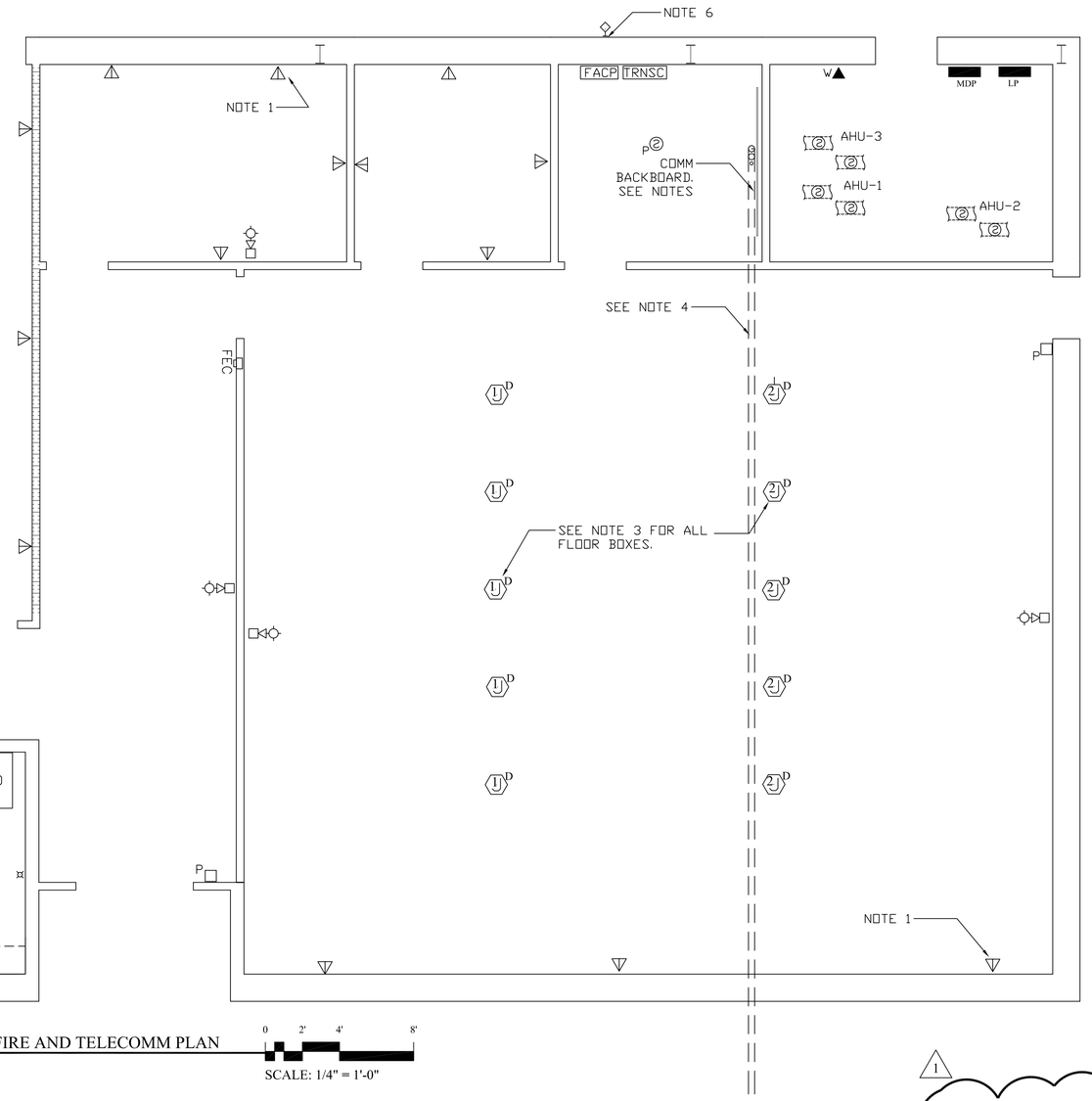
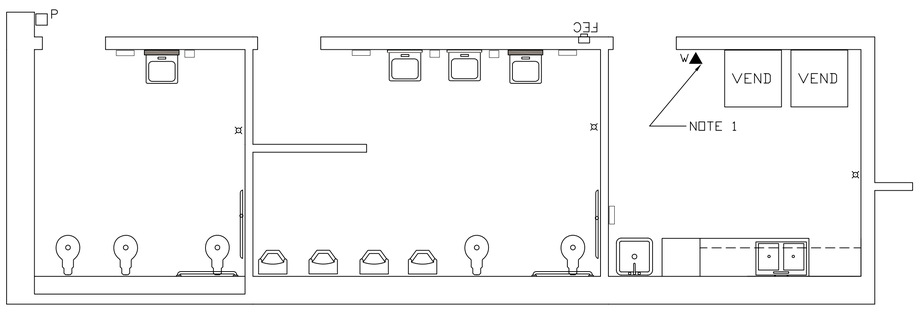




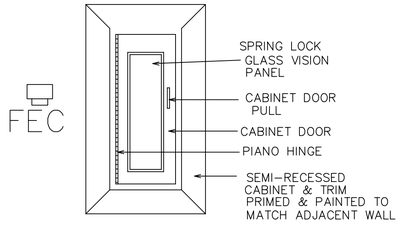


A FIRE AND TELECOMM PLAN

0 2' 4' 8'

SCALE: 1/4" = 1'-0"

FIRE EXTINGUISHER CABINET, FULL GLASS FRONT, SEMI-RECESSED 2 1/2", ROUGH OPENING 25"X10 1/2"X4" MOUNT 40" AFF PROVIDE 10LB. PORTABLE FIRE EXTINGUISHER, 4A 60-B:C RATING,



FIRE EXTINGUISHER CABINET ELEVATION

FIRE DETECTION

- COMBINATION HORN/STROBE: MOUNT AS SPECIFIED
- STROBE: MOUNT AS SPECIFIED
- MANUAL PULL STATION – 48" AFF
- SMOKE DETECTOR, CEILING MOUNTED,
- DUCT SMOKE DETECTOR
- FACP FIRE ALARM CONTROL PANEL
- TRNSC MONACO TRANSCEIVER PER FT. RUCKER STANDARD
- TRANSCEIVER ANTENNA

FIRE SAFETY NOTES:
1. AHU SHUT DOWN RELAYS AND CONNECTIONS ARE NOT SHOWN BUT SHALL BE PROVIDED PER NFPA REQUIREMENTS.
2. PROVIDE LOCKABLE CB AT PANEL FOR FACP.

- SINGLE TELEPHONE OUTLET. RJ-45 JACK AND WALL PLATE WITH FLUSH BOX. MOUNT 60"AFF.
- TWO CAT 6 KEYSTONE RJ-45 JACKS IN FLUSH MOUNTED WALL BOX. MOUNT 18" AFF. SEE NOTES.
- WIREMOLD OR EQUAL, RFB4-SS, 13 $\frac{5}{8}$"LX10"W X2 $\frac{7}{16}$"D. FOUR COMPARTMENT SHALLOW STAMPED-STEEL COMBINATION BOX WITH TWO DUPLEX RECECPTACLES. BOX SHALL ALSO HAVE BARRIER KIT (POWER/DATA) AND TWO INTERNAL COMMUNICATION BRACKETS WITH FOUR RJ-45 KNOCKOUTS IN EACH BRACKET. KNOCKOUTS SHALL BE LEFT IN (FUTURE USE) FOR ASSEMBLY ROOM 101. KNOCKOUTS SHALL BE REMOVED AND KEYSTONE TYPE RJ-45 CAT 6 SHALL BE CONTRACTOR SUPPLIED AND INSTALLED FOR INSTRUCTION ROOM 109.
- WIREMOLD OR EQUAL, RFB2-SS, 13 $\frac{1}{8}$"LX6 $\frac{1}{2}$"W X2 $\frac{5}{8}$"D. TWO COMPARTMENT SHALLOW STAMPED-STEEL COMBINATION BOX WITH ONE DUPLEX RECECPTACLE. BOX SHALL ALSO HAVE BARRIER KIT (POWER/DATA) AND INTERNAL COMMUNICATION BRACKET WTIH FOUR RJ-45 CAT 6 KEYSTONE JACKS CONTRACTOR SUPPLIED AND INSTALLED.

NOTES:
1. USE 4-11/16"X4-11/16"X2-1/2" RECESSED IN WALL. PROVIDE SINGLE DEVICE EXTENSION RING FLUSH WITH WALL FINISH. PROVIDE 1" EMT FROM THE OUTLET BOX RECESSED IN THE WALL CAVITY, THRU TOP OF WALL AND STUBBED OUT ABOVE CEILING WITH SWEEPING TURN. INSTALL PLASTIC BUSHING ON CONDUIT ENDS TO PROTECT CABLE AGAINST ABRASION. TYPICAL FOR ALL LOCATIONS.

2. CONTRACTOR SHALL INSTALL 4'HX8'L, 3/4" PLYWOOD FOR COMMUNICATIONS BACKBOARD OVER 5/8" GYPSUM.

3. DATA CONDUIT IN CONCRETE SHALL BE IMC. SIZES AND CONNECTIONS SHALL BE PER NEC AND FT. RUCKER DIRECTORATE OF INFORMATION MANAGEMENT STANDARDS AND APPLICABLE EIA/ITA STANDARDS. DATA CONDUIT SHALL COURSE THROUGH NEAREST WALL AND SHALL BE STUBBED OUT ABOVE CEILING WITH SWEEPING TURN. INSTALL PLASTIC BUSHING ON CONDUIT ENDS. PROVIDE PULLING TAPE IN EACH CONDUIT FOR WIRING BY OTHERS.

1

4. INSTALL TWO-4" AND ONE-2" UNDERGROUND SCH40 PVC DUCTS TO TELECOM ROOM,. DUCTS TO BE STUBBED OUT 5' FROM BUILDING IN THE DIRECTION OF ANDREWS AVE. AND 4"-6" AFF IN TELECOM ROOM.

5. PROVIDE A GROUND ATTACHMENT IN TELECOM ROOM. Grounding of the Telecommunications Building Bond (TBB) shall be a copper conductor. The minimum TBB Conductor size shall be a No. 6 AWG. The TBB should be sized at 2kcmil per linear foot of conductor length up to a maximum size of 3/0 AWG. The TBB may be insulated. If the TBB is insulated, the insulation shall meet the fire ratings of its pathway. PROPERLY BOND TBB TO BUILDING GROUNDING ELECTRODE SYSTEM. PROVIDE 10' SLACK FOR CONNECTION TO TELECOM EQUIPMENT GROUND BUS BAR.

6. INSTALL ANTENNA FOR MONACO FIRE ALARM SYSTEM ON WALL. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS. USE WALL MOUNTING BRACKETS AND STANDOFFS AS NECESSARY. DO NOT PENETRATE ROOF.

DPW
Engineering
Fort Rucker, Alabama

Symbol	No:	Description	Date	Approved
1		ADDED FLOOR BOX IN ROOM 101. CHANGED NOTES FOR COMM STUB OUT IN DIRECTION OF ANDREWS AVENUE.	2 APR 07	

Revisions

Designed By: J. CURRIE
Drawn By: J. CURRIE
Checked By: J. CURRIE
Reviewed By: C. POWELL
Date:
File No.
CADD File Name: HB 001326J-E4
Solicitation Number: N/A

DIRECTORATE-PUBLIC WORKS
ENGINEERING BRANCH
FORT RUCKER, ALABAMA

HB 00132-6J

FORT RUCKER, AL
WOCC ACADEMIC BUILDING 6012

FIRE SAFETY AND COMMUNICATIONS PLAN

Sheet Reference Number:
E-4