

SYSTEMS PLAN
SCALE: 3/16" = 1'-0"

- ELECTRICAL NOTES:**
1. J-BOX FOR ACCESS CONTROL CARD READER. CONTRACTOR TO PROVIDE CARD READER THAT MATCHES THE EXISTING GENETEC ACCESS CONTROL SYSTEM IN THE DATA CLOSET, SUCH THAT THE EXISTING ACCESS CARDS WILL WORK FOR THESE DOORS AS WELL. CONTRACTOR TO EXTEND LOW VOLTAGE CABLE FROM EXISTING SYSTEM TO NEW READERS.
 2. FLOOR BOX WITH TWO DUPLEX RECEPTACLES AND TWO DUPLEX DATA OUTLETS EQUAL TO LEGRAND MODEL# EF845S OR HUBBELL MODEL# CFB E SERIES WITH A FLUSH MOUNTED LID IN THE COLOR OF THE ARCHITECT'S CHOICE.
 3. EXTEND (1) 2" C FROM ABOVE NEW DATA RACK LOCATION INTO EXISTING BUILDING AND TO EXISTING ROOM 124. COORDINATE WITH ULM IT PERSONNEL.
 4. CONDUIT FOR CEILING MOUNTED PROJECTOR. EXTEND CONDUIT TO PODIUM LOCATION.
 5. PENDANT MOUNTED J-BOX FOR CCTV CAMERA. EXTEND 3/4" C FROM J-BOX MOUNTED TO CEILING GIRDER DOWN TO CCTV J-BOX LEVEL WITH ROOM LIGHTS. EXTEND CAT6 TO J-BOX FOR CONNECTION TO CCTV CAMERA. CAMERA PROVIDED/INSTALLED BY OWNER.
 6. J-BOX FOR WALL MOUNTED CCTV CAMERA. EXTEND CAT6 TO J-BOX FOR CONNECTION TO CCTV CAMERA. CAMERA PROVIDED/INSTALLED BY OWNER.
 7. PENDANT MOUNTED J-BOX FOR WIFI HOTSPOT. EXTEND 3/4" C FROM J-BOX MOUNTED TO CEILING GIRDER DOWN TO WIFI HOTSPOT J-BOX LEVEL WITH ROOM LIGHTS. EXTEND CAT6 TO J-BOX FOR CONNECTION TO HOTSPOT. WIFI HOTSPOT PROVIDED/INSTALLED BY OWNER.
 8. WALL MOUNTED J-BOX WITH DATA OUTLET FOR WIFI ACCESS POINT. EXTEND CAT6 TO J-BOX FOR CONNECTION TO HOTSPOT. WIFI HOTSPOT PROVIDED/INSTALLED BY OWNER.
 9. NEW LOCATION OF EXISTING CCTV CAMERA. REF. ED1.01, KEY NOTE 4.
 10. NEW FIRE ALARM NOTIFICATION DEVICES SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM (FIRE-LITE MS-5UD). ALL NEW DEVICES SHALL CONNECT TO THE EXISTING FIRE ALARM PANEL IN THE MECHANICAL ROOM. PROVIDE ANY ADDITIONAL COMPONENTS NECESSARY FOR THE ADDITIONAL DEVICES.
 11. ALL CONDUIT, J-BOXES, AND DEVICES LOCATED IN THE CONSTRUCTION PRACTICES LAB SHALL BE SURFACE MOUNTED.
 12. DATA FOR HVAC CONTROL PANEL. VERIFY HEIGHT AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
 13. NEW FIRE ALARM INITIATING DEVICES SHALL BE FIRE-LITE MODEL# BG-12 DUAL ACTION PULL STATION TO INSURE COMPATIBILITY WITH EXISTING SYSTEM.
 14. DOOR CLOSURE SENSOR. SENSOR TO BE COMPATIBLE WITH EXISTING GENETEC ACCESS CONTROL/ALARM SYSTEM. CONTRACTOR TO RUN LOW VOLTAGE WIRING FROM PANEL TO SENSOR.

NOTE:
ULM USES GENETEC FOR ALL THEIR ACCESS CONTROL. ALL NEW ACCESS CONTROL DEVICES TO BE FROM GENETEC AND SHALL TIE INTO THE EXISTING ACCESS CONTROL SYSTEM FOR THE EXISTING BUILDING.
ACCESS CONTROL WILL REQUIRE THE FOLLOWING:
GENETEC CLOUDLINK
GENETEC ADV-RDR-E-1Y
MERCURY MP1502
MERCURY MP52
VERIFY NUMBER OF DEVICES NEEDED FOR TOTAL OF 6 DOORS WITH EQUIPMENT MANUFACTURER.

NOTE:
ALL EXPOSED ELECTRICAL CONDUIT SHALL BE PAINTED THE COLOR LISTED BELOW:
FIRE ALARM - MAROON
POWER - RED
DATA/WIFI - ORANGE

NOTE:
ELECTRICAL CONTRACTOR RESPONSIBLE FOR PULLING CAT6 WIRE TO EACH DATA OUTLET.

TBA STUDIO
ARCHITECTURE
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315
www.tbastudio.com


TBA

SCHOOL OF CONSTRUCTION PRACTICE
LAB BUILDING, UNIVERSITY OF
LOUISIANA MONROE
507 Filhiol Ave., Monroe, LA 71203

DRAWING REVISIONS		
No.	Description	Date

DRAWN BY: DWB
CHECKED BY: DWB
SHEET

E4.01



DANIEL W. BROWN
License No. 41687
Professional Engineer
11.03.25

CONSULTING ENGINEERS
3003 KNIGHT STREET, SUITE 120
SHREVEPORT, LOUISIANA 71105
phone: 318-425-7482 fax: 318-425-4622
www.AFJMC.com

ENGINEER: DANIEL W. BROWN, P.E.
LICENSE NO. 41687

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. 25-033

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