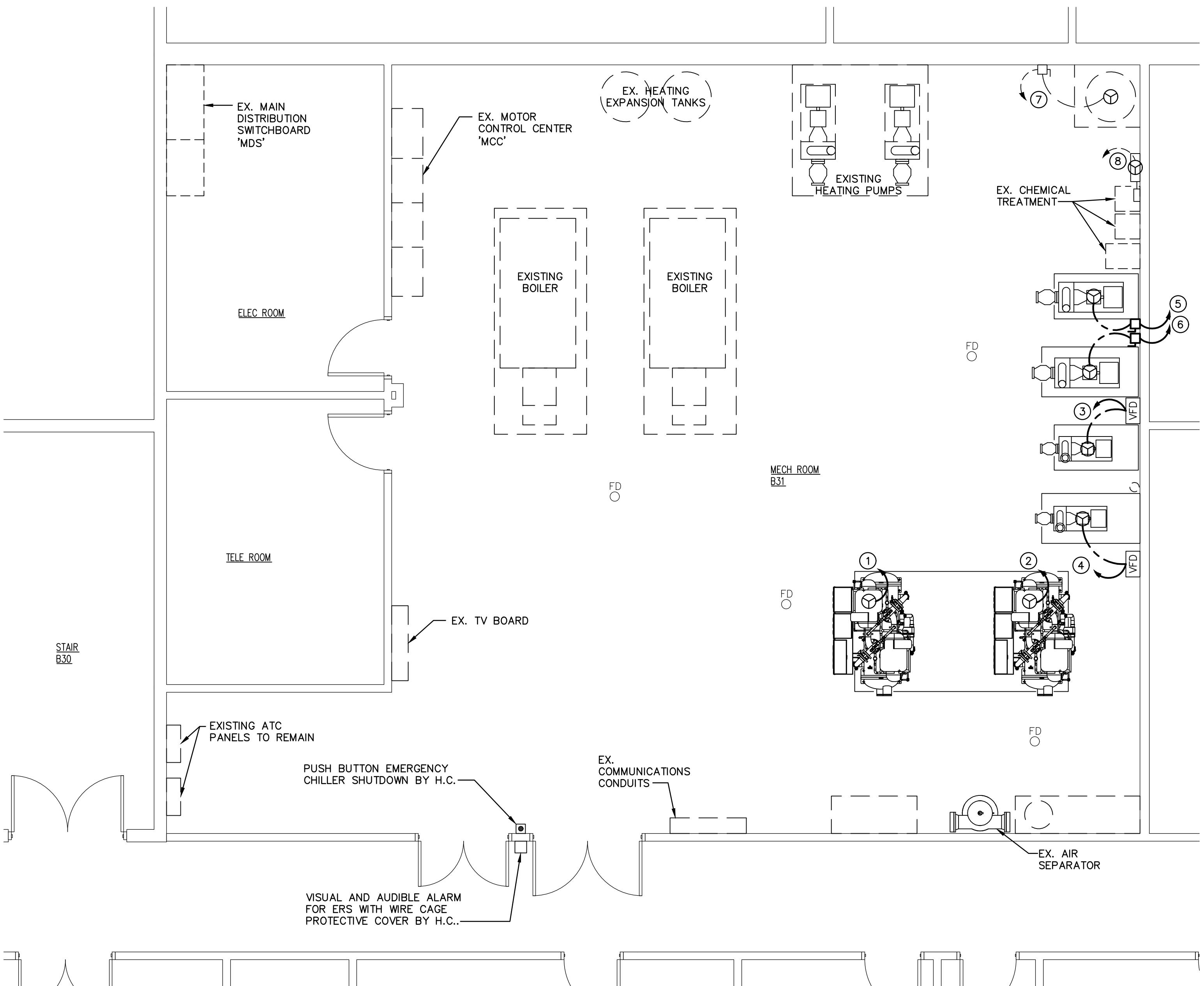




PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY
ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS
OF THE STATE OF MARYLAND, LICENSE NO. 00000, EXPIRATION DATE 10-10-2025
Brett Nicholas Yonish
DATE 02-04-2025



FLOOR PLAN - ELECTRICAL

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

DRAWING NOTES

(APPLY TO THIS
DRAWING ONLY)

- ① NEW CHILLER CH-1, 3φ-480V, 148 MCA, 200A MOCP, AND DISCONNECT SWITCH BY H.C. E.C. TO PROVIDE CIRCUIT WIRING AND CONDUIT AS NECESSARY/IF REQUIRED (SEE NOTE (1) ON DRAWING E.02). CIRCUIT SIZE: 3 #3/0 & 1 #6 GROUND IN A 2" CONDUIT. CONNECT TO NEW 200A-3P CIRCUIT BREAKER IN EXISTING 'MDS', POSITION 13.
- ② NEW CHILLER CH-2, 3φ-480V, 148 MCA, 200A MOCP, AND DISCONNECT SWITCH BY H.C. E.C. TO PROVIDE CIRCUIT WIRING AND CONDUIT AS NECESSARY/IF REQUIRED (SEE NOTE (1) ON DRAWING E.02). CIRCUIT SIZE: 3 #3/0 & 1 #6 GROUND IN A 2" CONDUIT. CONNECT TO NEW 200A-3P CIRCUIT BREAKER IN EXISTING 'MDS', POSITION 12.
- ③ NEW PUMP P-2, 7.5 HP, 3φ-480V, AND VARIABLE FREQUENCY DRIVE BY H.C. E.C. TO PROVIDE 30A-3P-480V DISCONNECT SWITCH, CIRCUIT WIRING AND CONDUIT. CIRCUIT SIZE: 3 #12 & 1 #12 GROUND IN A 3/4" CONDUIT. CONNECT TO NEW 20A-3P CIRCUIT BREAKER IN EXISTING 'MCC', POSITION 13. SEE NOTE (2) ON DRAWING E.02 FOR ADDITIONAL INFORMATION AND FURTHER DESCRIPTION ON SCOPE OF WORK (AND ALTERNATIVE METHODS).
- ④ NEW PUMP P-3, 7.5 HP, 3φ-480V, AND VARIABLE FREQUENCY DRIVE BY H.C. E.C. TO PROVIDE 30A-3P-480V DISCONNECT SWITCH, CIRCUIT WIRING AND CONDUIT. CIRCUIT SIZE: 3 #12 & 1 #12 GROUND IN A 3/4" CONDUIT. CONNECT TO NEW 20A-3P CIRCUIT BREAKER IN EXISTING 'MCC', POSITION 14. SEE NOTE (2) ON DRAWING E.02 FOR ADDITIONAL INFORMATION AND FURTHER DESCRIPTION ON SCOPE OF WORK (AND ALTERNATIVE METHODS).
- ⑤ NEW PUMP P-4, 15 HP, 3φ-480V, BY H.C. E.C. TO PROVIDE 60A-3P-480V DISCONNECT SWITCH, CIRCUIT WIRING AND CONDUIT. CIRCUIT SIZE: 3 #8 & 1 #10 GROUND IN A 3/4" CONDUIT. CONNECT TO NEW 40A-3P CIRCUIT BREAKER IN EXISTING 'MCC', POSITION 15. SEE NOTE (2) ON DRAWING E.02 FOR ADDITIONAL INFORMATION AND FURTHER DESCRIPTION ON SCOPE OF WORK (AND ALTERNATIVE METHODS).
- ⑥ NEW PUMP P-5, 15 HP, 3φ-480V, BY H.C. E.C. TO PROVIDE 60A-3P-480V DISCONNECT SWITCH, CIRCUIT WIRING AND CONDUIT. CIRCUIT SIZE: 3 #8 & 1 #10 GROUND IN A 3/4" CONDUIT. CONNECT TO NEW 40A-3P CIRCUIT BREAKER IN EXISTING 'MCC', POSITION 16. SEE NOTE (2) ON DRAWING E.02 FOR ADDITIONAL INFORMATION AND FURTHER DESCRIPTION ON SCOPE OF WORK (AND ALTERNATIVE METHODS).
- ⑦ NEW WATER HEATER, 3φ-480V, 18KW, BY P.C. CONNECT TO THE EXISTING 480V-3φ WATER HEATER CIRCUIT AND DISCONNECT SWITCH MADE AVAILABLE BY DEMOLITION. (CIRCUIT 'MCC'-4). REFER TO NOTE (3) ON DRAWING E.02.
- ⑧ NEW REFRIGERANT MONITORING BY H.C. CONNECT TO THE EXISTING 120V REFRIGERANT MONITORING CIRCUIT MADE AVAILABLE BY DEMOLITION.

DEDUCT ALTERNATE BID NOTE:

ALL WORK INDICATED ON THE PLANS IN THIS SET IS TO BE INCLUDED IN THE BASE BID FOR THIS PROJECT.
UNDER DEDUCT ALTERNATE E-1, REMOVE INSTALLATION OF ALL WORK ASSOCIATED WITH CHILLER CH-2, PUMP P-2, AND PUMP P-4, SEE H SERIES DRAWINGS FOR MORE INFORMATION.

CHILLER ROOM PLANS - ELECTRICAL NEW WORK

CHILLER REPLACEMENT
COLLEGE CENTER

FOR

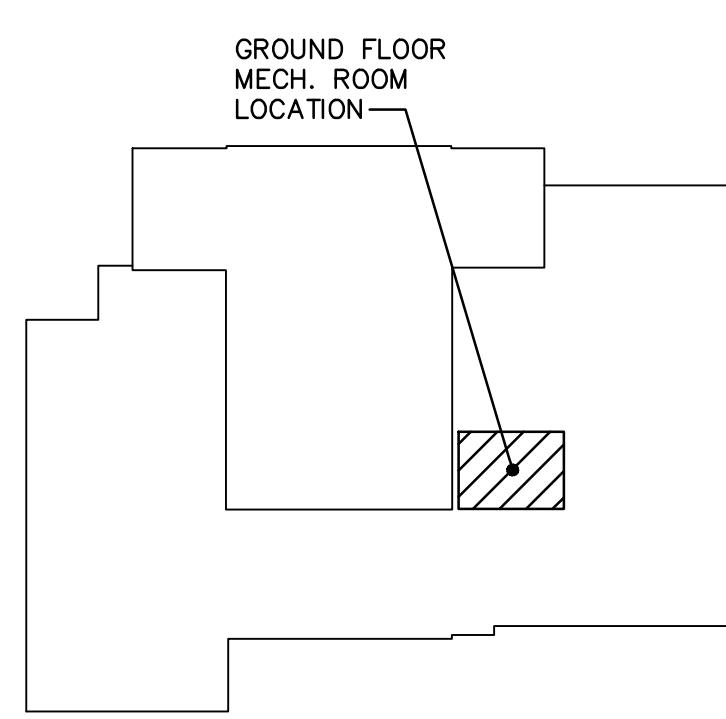
ALLEGANY COMMUNITY COLLEGE
WILLOWBROOK ROAD, CUMBERLAND, MD 21502


East Hills
Engineering
Associates
A LIMITED LIABILITY COMPANY

BRETT N. YONISH, P.E.
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WILMINGTON, PA 15963
(814) 467-6877

REVISIONS		
MARK	BY	DATE

DATE: 10-17-2025
DRAWN BY: J.L.L.
CHECKED BY: B.N.Y.
PROJECT NO. 25-015
DRAWING NO. E2.0
NO SCALE



KEY PLAN