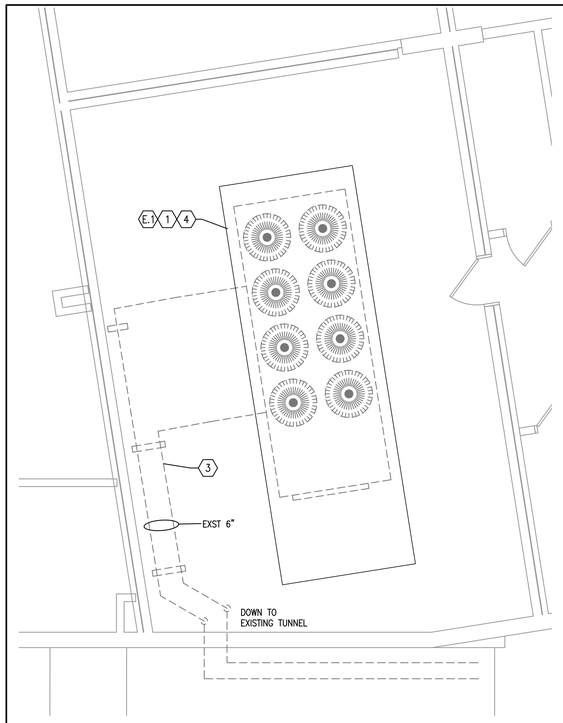
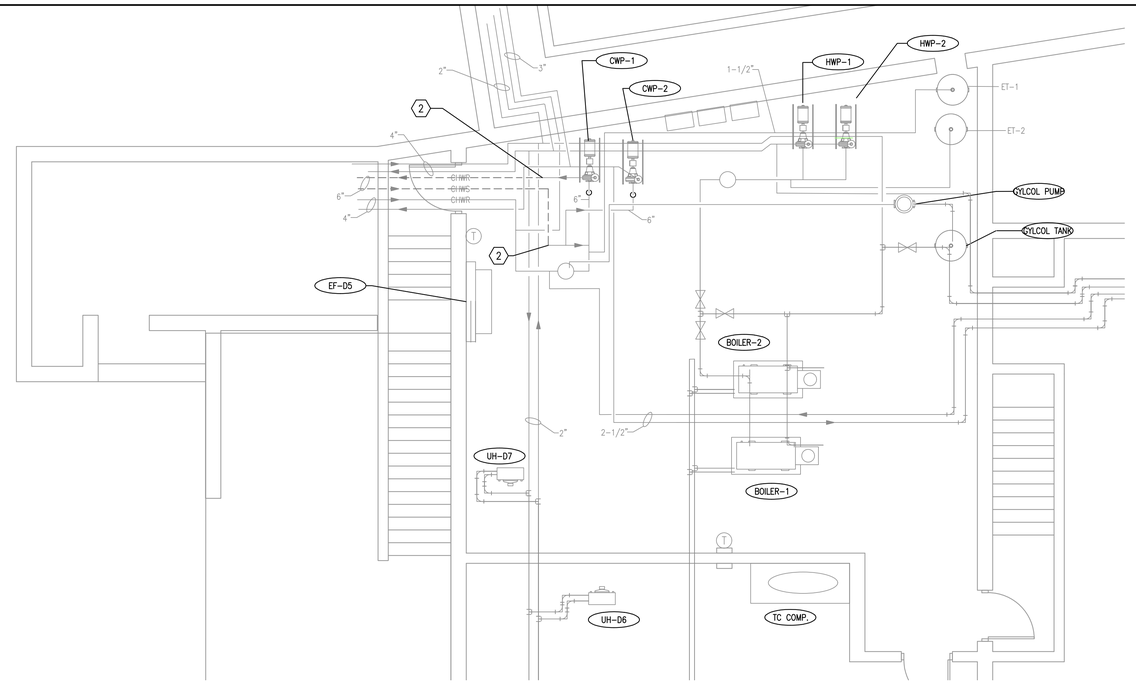


MECHANICAL DEMOLITION PLAN

1/8" = 1'-0"



MECHANICAL ROOM DEMOLITION PLAN

1/8" = 1'-0"

MECHANICAL GENERAL DEMOLITION NOTES

A. THE MECHANICAL CONTRACTOR SHALL VISIT THE PROJECT SITE AND DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK REQUIRED BEFORE BIDDING THE PROJECT. THE EQUIPMENT SHOWN IS APPROXIMATE IN QUANTITY AND LOCATION.

B. THE EXISTING PIPE AND DUCTWORK SIZES AND LOCATIONS WERE TAKEN FROM EXISTING BUILDING DRAWINGS AND FIELD. VERIFY ALL SIZES AND LOCATIONS WHERE RENOVATIONS ARE TAKING PLACE. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.

C. EXISTING MECHANICAL SYSTEMS THAT ARE SHOWN TO BE DEMOLISHED SHALL BE REMOVED AND DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.

D. REMOVE ANY EXISTING, OBSOLETE, EXPOSED MECHANICAL WORK IN AREAS WHERE WORK IS BEING DONE UNLESS OTHERWISE NOTED.

E. WHERE BUILDING SURFACES ARE DAMAGED BY THE REMOVAL OF EXISTING WORK, THEY SHALL BE PATCHED TO MATCH THE ADJACENT SURFACES BY THIS CONTRACTOR.

F. EXISTING WORK WHICH IS PRESENTLY CONCEALED, WILL REMAIN CONCEALED, AND WILL NOT INTERFERE WITH NEW WORK OF ANY TRADE, NEED NOT BE REMOVED. ALL ENDS SHALL BE CAPPED BELOW FINISH FLOOR, OR BEHIND THE SURFACE OF THE WALL AND PATCHED TO MATCH ADJACENT SURFACES. ALL EXISTING WORK THAT IS ABANDONED IN PLACE SHALL BE IDENTIFIED ACCORDINGLY.

G. EXISTING OPENINGS WHICH ARE TO BE REUSED SHALL BE MODIFIED OR ENLARGED AS REQUIRED BY THE NEW WORK. ALL CUTTING AND PATCHING SHALL BE DONE BY THIS CONTRACTOR UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.

H. IF ASBESTOS IS PRESENT, IT WILL BE REMOVED OR RENDERED HARMLESS UNDER SEPARATE CONTRACT BY THE OWNER.

I. THE OWNER SHALL HAVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT THE OWNER DOES NOT CLAIM AN ITEM BEFORE DISPOSING OF IT OFF SITE.

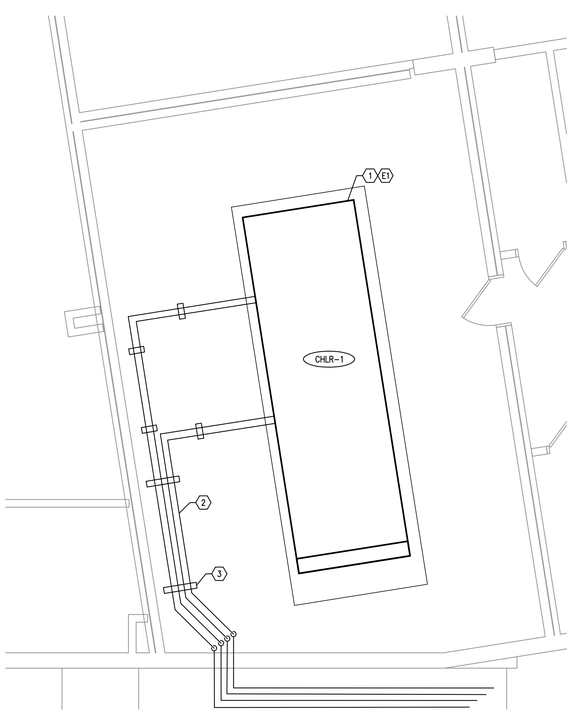
J. ALL ROOF, WALL, AND FLOOR PATCHING WORK SHALL BE DONE BY THIS CONTRACTOR UNLESS OTHERWISE NOTED ON ARCHITECTURAL PLANS. ANY OPENING CREATED BY THE REMOVAL OF EXISTING SYSTEMS, THAT IS NOT BEING REUSED, SHALL BE PATCHED TO MATCH ADJACENT SURFACES BY A QUALIFIED INSTALLER.

MECHANICAL PLAN NOTES

1. EXISTING CHILLER, CONTROLS, ACCESSORIES, ETC. TO BE REMOVED AND DISPOSED OF OFF SITE.
2. EXISTING CHILLED WATER PIPING INSULATION, HANGERS, ETC. TO BE REMOVED BACK TO THIS APPROXIMATE LOCATION AND DISPOSED OF OFF SITE. PROTECT END OF PIPING FOR CONNECTION TO NEW CHILLER. REFER TO MECHANICAL PLAN ON THIS SHEET FOR ADDITIONAL WORK.
3. EXISTING CHILLED WATER PIPING INSULATION, HANGERS, ETC. TO BE REMOVED AND DISPOSED OF OFF SITE.
4. EXISTING REFRIGERANT SHALL BE RECLAIMED AND RECYCLED.

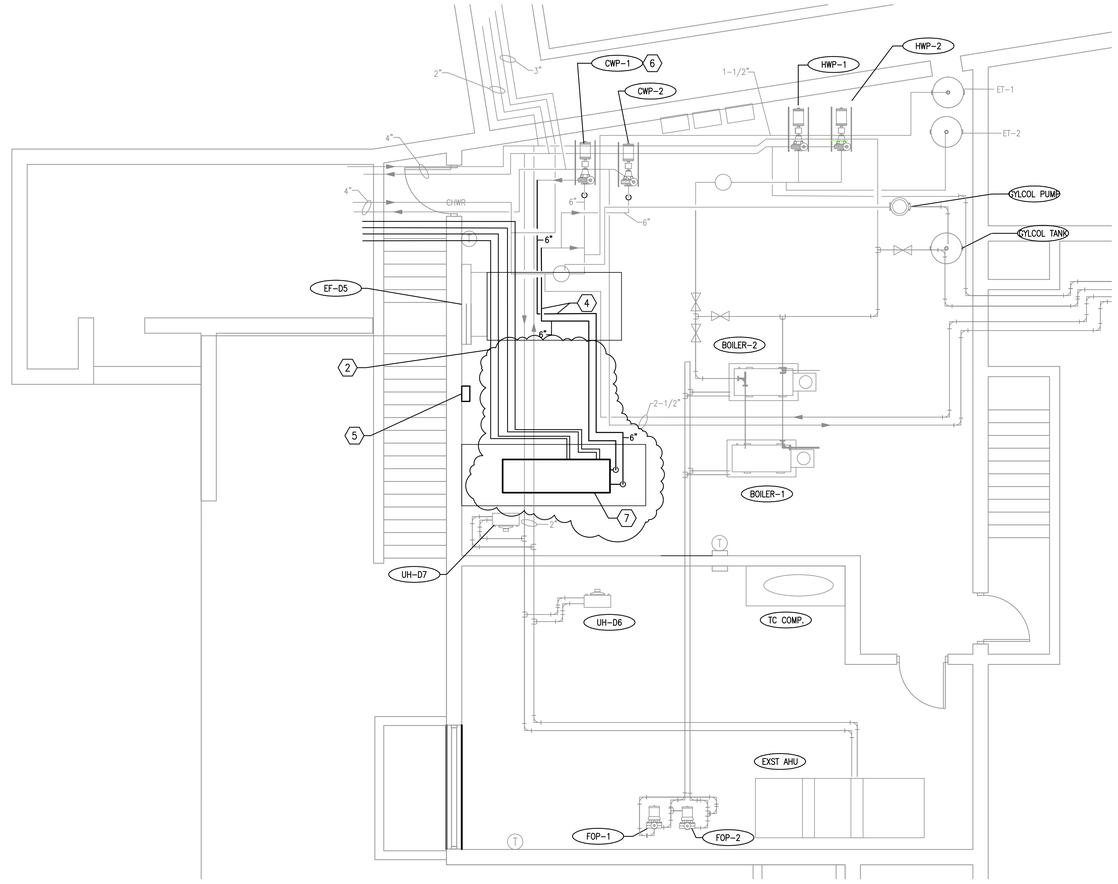
ELECTRICAL PLAN NOTES

E1. DISCONNECT EXISTING 600 AMP CIRCUIT FROM EXISTING CHILLER. RE-CONNECT NEW CHILLER TO EXISTING 600 AMP CIRCUIT. REFER TO MECHANICAL PLAN THIS SHEET FOR ADDITIONAL REQUIREMENTS.



MECHANICAL PLAN

1/8" = 1'-0"



MECHANICAL ROOM PLAN

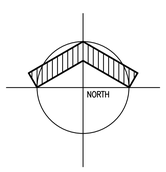
1/8" = 1'-0"

MECHANICAL PLAN NOTES

1. INSTALL NEW CHILLER OUTDOOR UNIT ON EXISTING PAD. MODIFY OR EXTEND EXISTING PAD AS REQUIRED TO ACCOMMODATE THE NEW CHILLER.
2. 2 SETS OF REFRIGERANT SUCTION AND LIQUID LINES. REFRIGERANT PIPING SPECIALTIES AND SIZES SHALL BE AS REQUIRED BY CHILLER MANUFACTURER. PENETRATE EXTERIOR WALL WITH PIPE SLEEVES AND SEAL WATER-TIGHT. INSULATE REFRIGERANT PIPING FULL LENGTH AND PROTECT EXTERIOR PIPING WITH SELF-SEALING JACKET.
3. SUPPORT REFRIGERANT PIPING ON STRUCTURAL STEEL SUPPORTS ANCHORED BELOW GRADE WITH CONCRETE. SUPPORTS SHOWN ARE MINIMUM REQUIRED. PRIME AND PAINT SUPPORTS TO PREVENT CORROSION.
4. EXTEND EXISTING CHILLED WATER PIPING AND CONNECT TO NEW REMOTE EVAPORATOR PER DETAIL ON M5.1. PROVIDE ALL NEW VALVES AND PIPING SPECIALTIES AS DENOTED, OR AS REQUIRED BY UNIT MANUFACTURER.
5. PROVIDE AND INSTALL NEW REFRIGERANT MONITORING SYSTEM.
6. EXISTING CHILLED WATER PRIMARY PUMP. REBALANCE EXISTING PUMP TO 325 GPM.
7. INSTALL NEW REMOTE EVAPORATOR ON EXISTING CONCRETE HOUSEKEEPING PAD AT THIS APPROXIMATE LOCATION.

ELECTRICAL PLAN NOTES

E1. RE-CONNECT NEW CHILLER TO EXISTING 600 AMP CIRCUIT. VERIFY EXISTING FUSING, CONDUCTORS, ETC. MEET THE CHILLER MANUFACTURER'S REQUIREMENTS. RE-ROUTE FEEDERS IF NECESSARY TO CONTROL PANEL OF THE NEW CHILLER.



VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PRECEEDING WITH WORK.

COPYRIGHT 2020 BY FANNING/HOWEY ASSOCIATES, INC.

CHILLER REPLACEMENT - EAGLE ELEMENTARY SCHOOL

350 N. 6TH ST.
ZIONSVILLE, INDIANA 46077

PROJECT: 219129.01

ZIONSVILLE COMMUNITY SCHOOLS

ZIONSVILLE COMMUNITY SCHOOLS

ARCHITECT

FANNING HOWEY

(317) 848-0966 WWW.FHAI.COM
350 EAST NEW YORK STREET, SUITE 300
INDIANAPOLIS, IN 46204

PROJECT MANAGER: CRT
DRAWN BY: JWL
PROJECT NUMBER: 219129.01
PROJECT ISSUE DATE: 08/05/2020

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM 2	09/10/2020

MECHANICAL PLAN

M4.1