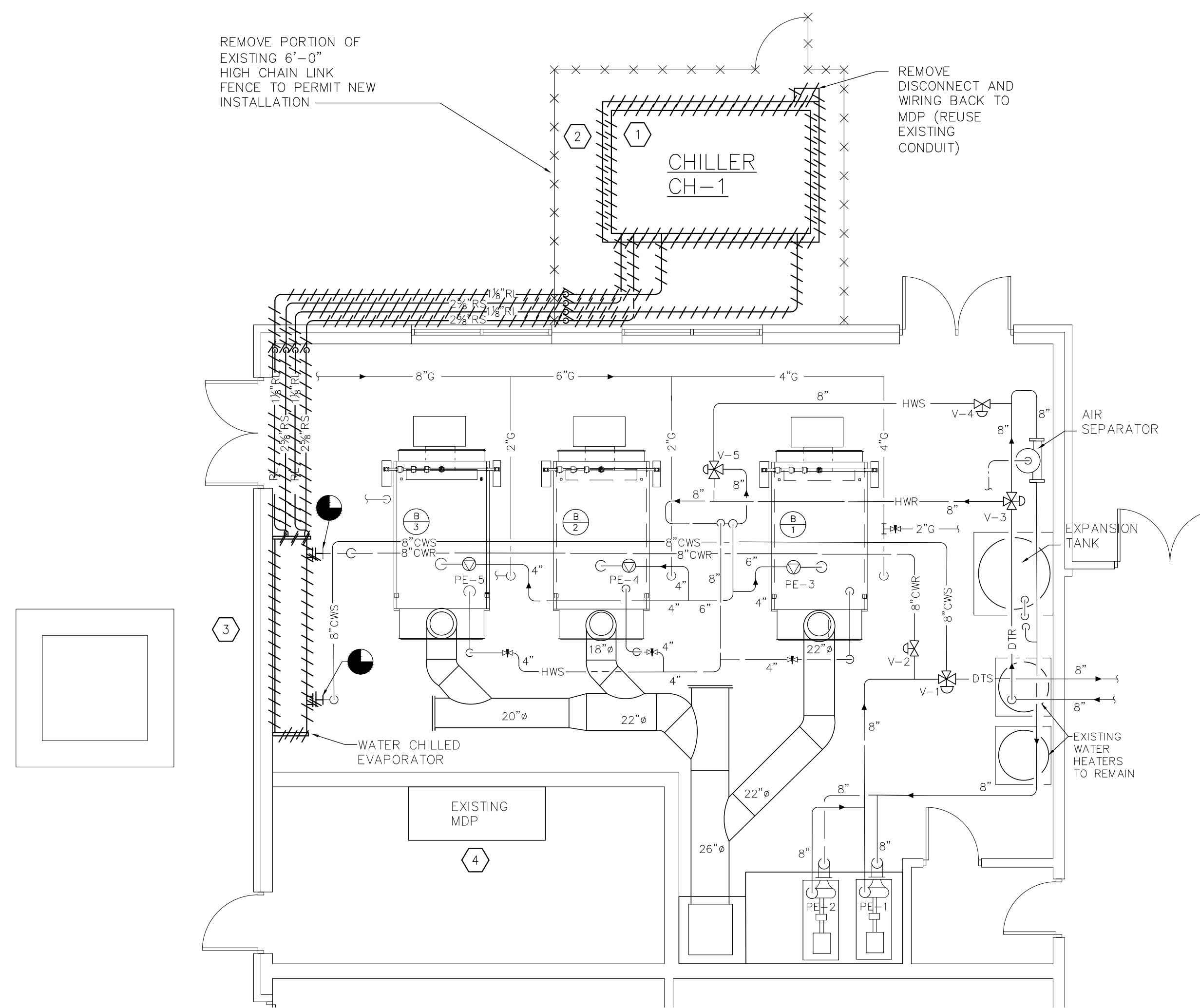
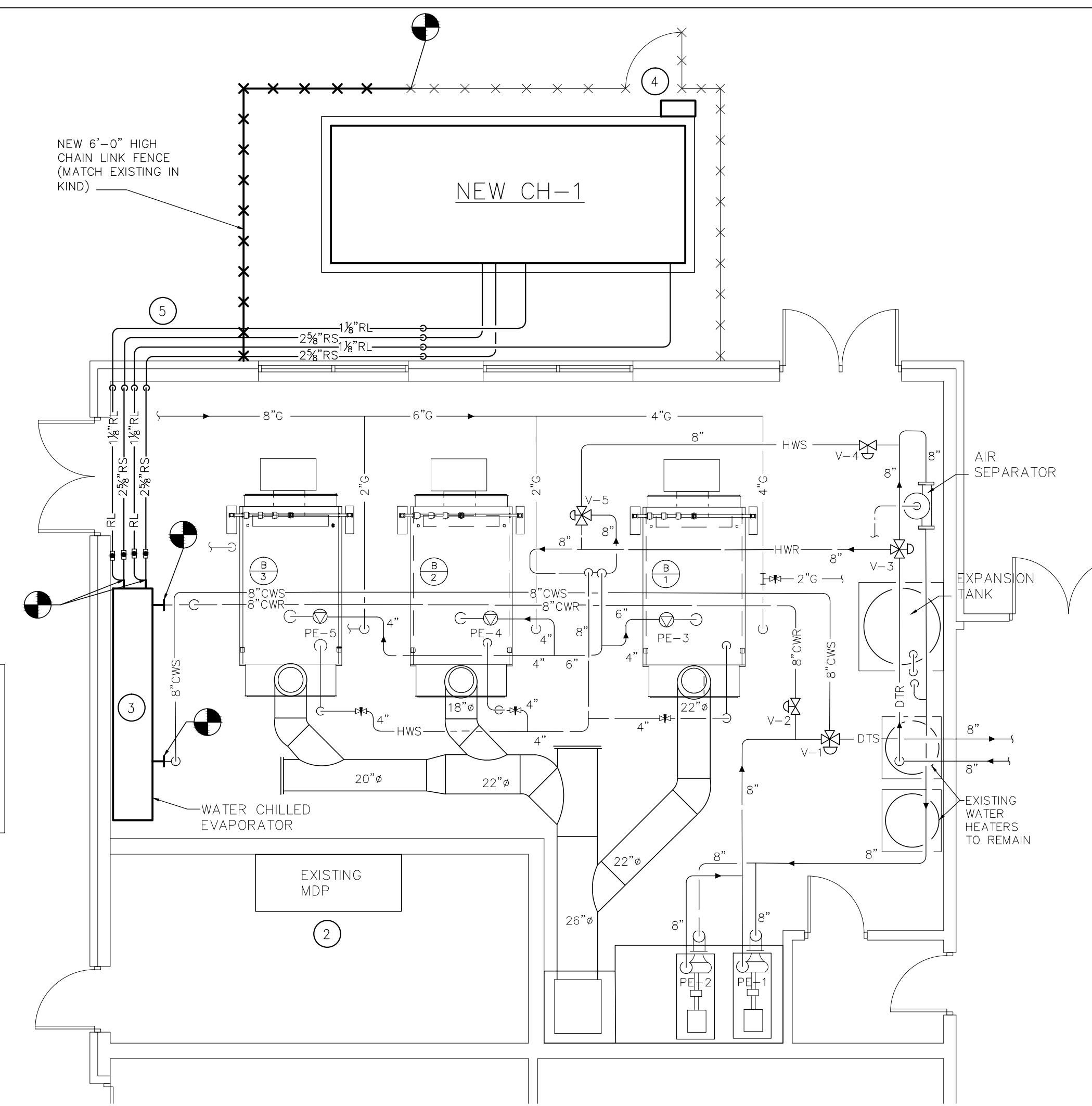




1 PARTIAL FLOOR PLAN - DEMOLITION
SCALE: 3/16" = 1' - 0"

KEYED NOTES - DEMOLITION:

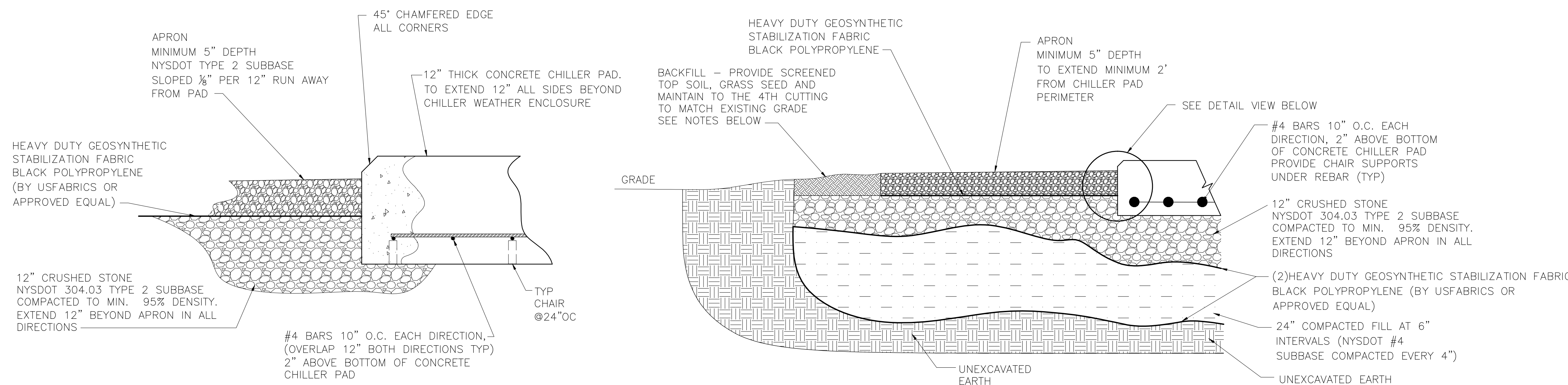
- 1 REMOVE CHILLER AS SHOWN. SEE 2 PARTIAL FLOOR PLAN - NEW WORK
- 2 REMOVE CONCRETE PAD AS SHOWN. SEE 2 PARTIAL FLOOR PLAN - NEW WORK
- 3 REMOVE WATER CHILLER EVAPORATOR AS SHOWN. SEE 2 PARTIAL FLOOR PLAN - NEW WORK
- 4 REMOVE 400 AMP BREAKER. SEE 2 PARTIAL FLOOR PLAN - NEW WORK



2 PARTIAL FLOOR PLAN - NEW WORK
SCALE: 3/16" = 1' - 0"

KEYED NOTES - NEW WORK: ALL ELECTRICAL WORK BY DISTRICT

- 1 PROVIDE NEW CHILLER 100 TONS, EVAPORATOR LEAVING TEMP 45°. EVAPORATOR ENTERING FLUID TEMP 55°. DESIGN FLOW 240 GPM. TRANE RAUJ100 OR APPROVED EQUAL CHILLER TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. CONTRACTOR IS RESPONSIBLE TO RECONNECT ALL PIPING, ELECTRICAL, CONTROLS AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. CONTRACTOR TO RECONNECT REFRIGERANT LINES TO NEW CHILLER AS REQUIRED. REFILL REFRIGERANT PER ALL NYS CODES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PIPE SIZING AND TO MAKE EXISTING PIPE TRANSITIONS FIT TO NEW CHILLER. CONTRACTOR IS RESPONSIBLE FOR START UP, TESTING, CERTIFICATIONS AND INSPECTIONS. CONTRACTOR TO REUSE EXISTING CIRCUIT. REUSE EXISTING DISCONNECT AND FEED. REWIRE AS REQUIRED FOR OPERATING UNIT. RECONNECT TO EXISTING BMS.
- 2 PROVIDE NEW 300 AMP 3 POLE BREAKER, COMPATIBLE WITH EXISTING SYSTEM (CUTLER HAMMER NO SUBSTITUTIONS)
- 3 THERE WAS NO EXITING DATA ON EXISTING WATER CHILLED EVAPORATOR. CONTRACTOR MUST FIELD VERIFY EXISTING SIZE AND REPORT TO MECHANICAL ENGINEER FOR FINAL SIZING. (THIS IS BASIS OF DESIGN FOR BIDDING ONLY) PROVIDE NEW WATER CHILLED EVAPORATOR ARMSTRONG MODEL W-1204-212-2-CSSSSNN-20 AND ALL APPURTENANCES. REUSE EXISTING SUPPORT STRUCTURE.
- 4 CONTRACTOR TO PROVIDE NEW DISCONNECT SWITCH AND WIRING 4-(350MCM) TO EXISTING MDP. REUSE EXISTING CONDUIT
- 5 PROVIDE NEW REFRIGERANT LINES WITH WATERPROOF INSULATION. SIZE REFRIGERANT LINES PER MANUFACTURERS RECOMMENDATIONS.



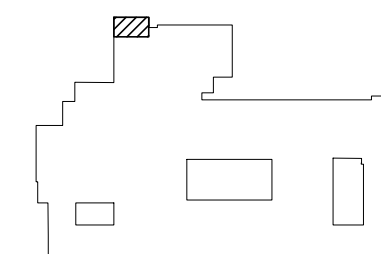
DETAIL VIEW

APRON & PAD SECTION VIEW

3 CONCRETE PAD DETAILS
SCALE: NONE

CONCRETE CHILLER PAD, APRON, AND GRADING NOTES:

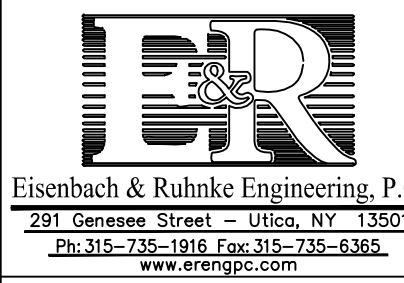
- A. TOP OF NEW CHILLER PAD SHALL BE 4" ABOVE EXISTING GRADE LEVEL
- B. TOP SURFACES FINISHES:
B.A. CHILLER PAD SHALL BE TROWEL FINISHED
- C. APRON: (SEE DETAILS THIS SHEET)
C1. SHALL BE 2" ABOVE EXISTING GRADE LEVEL
C2. COMPACTED FLAT SLOPED 1/8" PER 12" OF RUN AWAY FROM CONCRETE CHILLER PAD
C3. VOID OF DEPRESSIONS GREATER THAN 1/8"
- D. PROVIDE ANCHOR BOLTS FOR CHILLER PER CHILLER MANUFACTURER'S WRITTEN REQUIREMENTS
- E. ALL CONCRETE WORK MUST FOLLOW ACI STANDARDS
- F. COORDINATE ALL WORK WITH OWNER
- G. CONCRETE:
G1. MINIMUM 28 DAY COMPRESSIVE STRENGTH - 5000 PSI
G2. MINIMUM CEMENT FACTOR - (5.5) 94 LB. SACKS PER CUBIC YARD OF CONCRETE
G3. MAXIMUM AGGREGATE SIZE - 1"
- H. ADMIXTURES - WATER-REDUCING AGENT, AIR ENTERING AGENT (4% TO 6%)
- I. REINFORCING STEEL MATERIALS (SEE DETAIL #3/E-400 DETAIL VIEW ABOVE):
H1. REINFORCING BARS - NEW BILLET STEEL ASTM A-165 GRADE 60
H2. WELDED WIRE MESH REINFORCING - COLD DRAWN WIRE PER ASTM A-185
H3. REINFORCING STEEL AND WIRE MESH TO BE UNPAINTED, UNCOATED, FREE FROM RUST, SCALE, AND OIL
- J. GRASS SEED:
J1. SHALL BE PREMIUM GRADE AND 99.9% WEED FREE
J2. SEED MIXTURE TO CONTAIN:
J3. 10%-15% PERENNIAL RYE GRASS
J4. 15%-20% CREEPING RED FESCUE
J5. 75%-80% KENTUCKY BLUEGRASS
J6. APPLICATION RATE: 6 POUNDS SEED PER 1000 SQ.FT. TOP SOIL
J7. USE SCREEN TOP SOIL FINISH TO MATCH EXISTING GRADE



KEY-PLAN
SCALE: NONE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT/ENGINEER TO ALTER THIS DRAWING IN ANY WAY. ALL ALTERATIONS MUST HAVE THE SEAL, ATTEND ALONG WITH A DESCRIPTION OF THE ALTERATION, THE SIGNATURE AND DATE. COPYRIGHT © 2019

ENGINEER:



CONSULTANT(S):

STAMP



**WARWICK VALLEY CSD
EMERGENCY CHILLER PROJECT
144 SANDFORDVILLE ROAD, WARWICK, NY 10990**

(SY-SANDFORDVILLE ES) 144 SANDFORDVILLE ROAD, WARWICK, NY 10990

SV SED NO. 44-21-01-06-0019-014

FILE PATH - N:\1 - PROJECT DIRECTORIES\1 - E & R Projects\05 - Warwick Valley CSD\05-21-06 Sandfordville Emergency Chiller\CAD\05-21-06-m100.dwg

PROJECT NO. 05-21-06

BID SET	2/24/2022
REVISION	
DRAWN BY	JMU/BS
CHECKED BY	JIE
SHEET SIZE	30" X 42"
SCALE	AS NOTED

SHEET TITLE
**PARTIAL FLOOR PLANS
DEMOLITION AND NEW
WORK, DETAILS**

SHEET NO.

ME-100