March 7, 2022

BID ADDENDUM 2

Project: Warwick Valley CSD

Sanfordville Elementary School

Chiller Replacement

Owner: Warwick Valley CSD

225 West Street Ext Warwick, NY 10990

Engineer: Eisenbach & Ruhnke Engineering, P.C.

291 Genesee Street Utica, NY 13501

E&R Project #: 05-21-06

THE FOLLOWING CHANGES, DELETIONS AND ADDITIONS TO THE SPECIFICATIONS AND DRAWINGS SHALL BECOME AND ARE HEREBY MADE PART OF THE CONTRACT DOCUMENTS DATED FEBRURARY 24, 2022. THEY CHANGE THE ORIGINAL DOCUMENTS ONLY IN THE MANNER AND TO THE EXTENT STATED.

THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS TO THE SPECIFICATIONS:

None

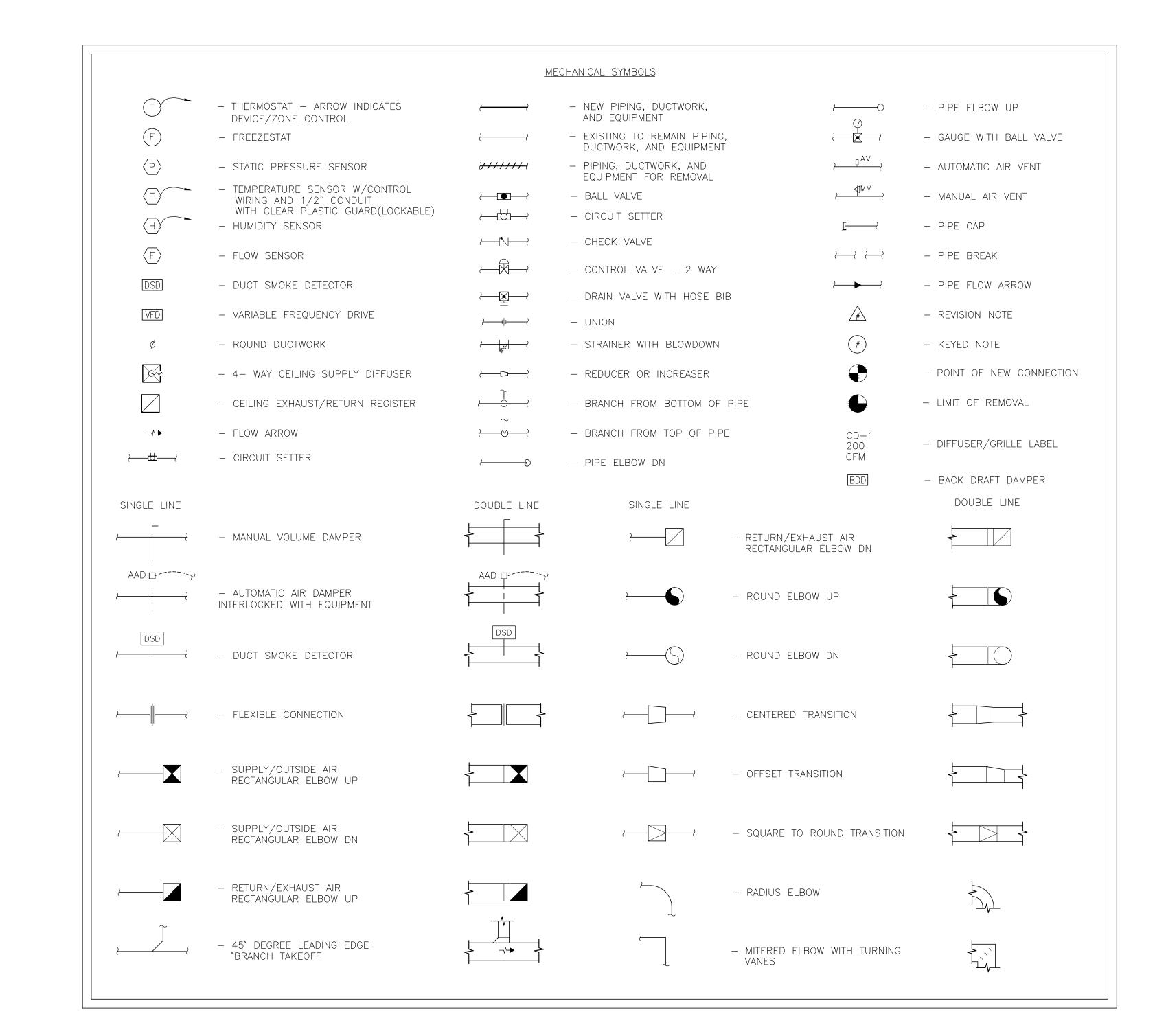
<u>THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS</u> TO THE DRAWINGS:

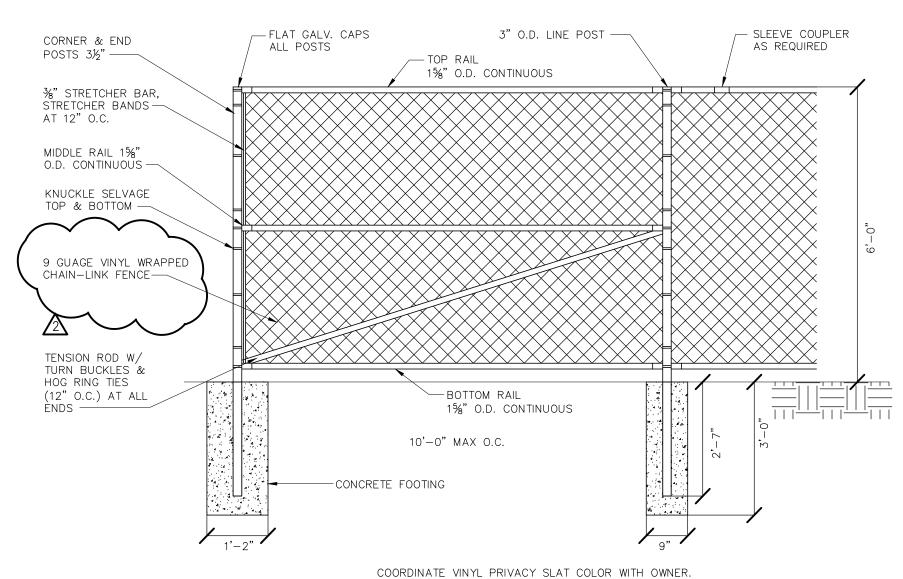
ITEM #1 – Delete the following Drawings and replace with the attached Drawings.

- M-001 Abbreviations and Symbols
- ME-100 Partial Floor Plans Demolition and New Work Details

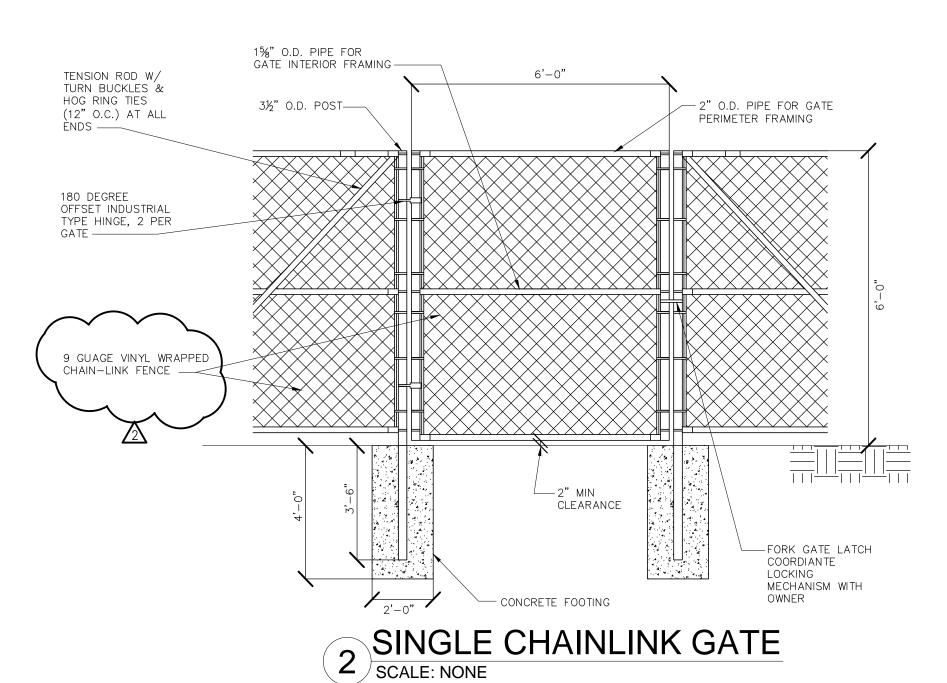
END OF ADDENDUM

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
- CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- . ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
- . PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
- PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS (INSTALLED BY OTHER CONTRACTS) FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
- . WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- . CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
-). ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- 10. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
- 11. COORDINATE ALL WALL/FOUNDATION PENETRATIONS WITH GENERAL CONTRACT AND SEAL WEATHERTIGHT. PROVIDE STAINLESS STEEL ESCUTCHEON PLATE/TRIM RING FOR EACH ABOVE GRADE PENETRATION (BOTH SIDES).
- 2. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"x12", UNLESS OTHERWISE NOTED.
- 13. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
- 14. CLEANING DURING MECHANICAL WORK: THE MECHANICAL ROOM AND ROOMS WHERE WORK WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNEE IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.
- 5. PROTECT EXISTING SURFACES AND EQUIPMENT NOT MARKED FOR REMOVAL OR MODIFICATION. CONTRACTOR RESPONSIBLE FOR REPAIR OF EXISTING SURFACES AND/OR EQUIPMENT TO THE APPROVAL OF THE OWNER.









HVAC REMOVAL NOTES:

THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWING IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE OR RELOCATE ANY RELATED MECHANICAL DEVICES/ITEMS EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMODATE NEW WORK.

EQUIPMENT/ITEMS SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES/ITEMS REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT. THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.

EQUIPMENT, PIPING, ETC. REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS. NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.

ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

HVAC ABBREVIATIONS

AUTOMATIC AIR DAMPER

ACCU AIR COOLED CONDENSING UNIT

ACCESS DOOR AIR HANDLING UNIT

AMPERAGE BACKDRAFT DAMPER

BRAKE HORSEPOWER BUILDING MANAGEMENT SYSTEM

BRITISH THERMAL UNIT CUBIC FEET PER MINUTE

CABINET HEATER CLG CEILING

CONDENSATE DRYBULB TEMPERATURE

DIRECT DIGITAL CONTROL (SYSTEM)

DEG DEGREE DIAMETER

DN DOWN DEWPOINT TEMPERATURE

DIRECT EXPANSION EXHAUST AIR

ENTERING AIR TEMPERATURE

EXHAUST FAN EFFICIENCY EFF

EXHAUST GRILLE

ESP EXTERNAL STATIC PRESSURE EXHAUST FAHRENHEIT

FIRE DAMPER

FINAL FILTER FLR FLOOR

FEET PER MINUTE

FSTAT FREEZESTAT FEET

FT WG FEET OF WATER GAUGE FACE VELOCITY

GALLON GALLONS PER MINUTE

HEAD HORSEPOWER LOUVER

MIXED AIR TEMPERATURE MAKE-UP AIR UNIT

1,000 BTU/HR

MINIMUM BRANCH CIRCUIT AMPACITY MOTORIZED DAMPER

PRESSURE DROP

OUTSIDE AIR OUTSIDE AIR INTAKE

REMOVE RETURN AIR

REFRIGERANT LIQUID

REVOLUTIONS PER MINUTE

REFRIGERANT SUCTION

SATISFACTORY SUPPLY AIR TEMPERATURE

SENSIBLE HEAT

SPECIFIC GRAVITY

STATIC PRESSURE

TESTING, ADJUSTING, BALANCE

THERMOSTAT

TYPICAL UNDER CUT

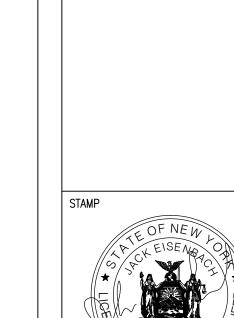
VOLUME DAMPER

WETBULB WATER GAUGE

TEMPERATURE DIFFERENCE

CONSULTANT(S):

S = B TION OF THE LAW FOR A ARCHITECT/ENGINEER 1



CY CHILLER PROJECTOVILLE ROAD, WARWICK, NY

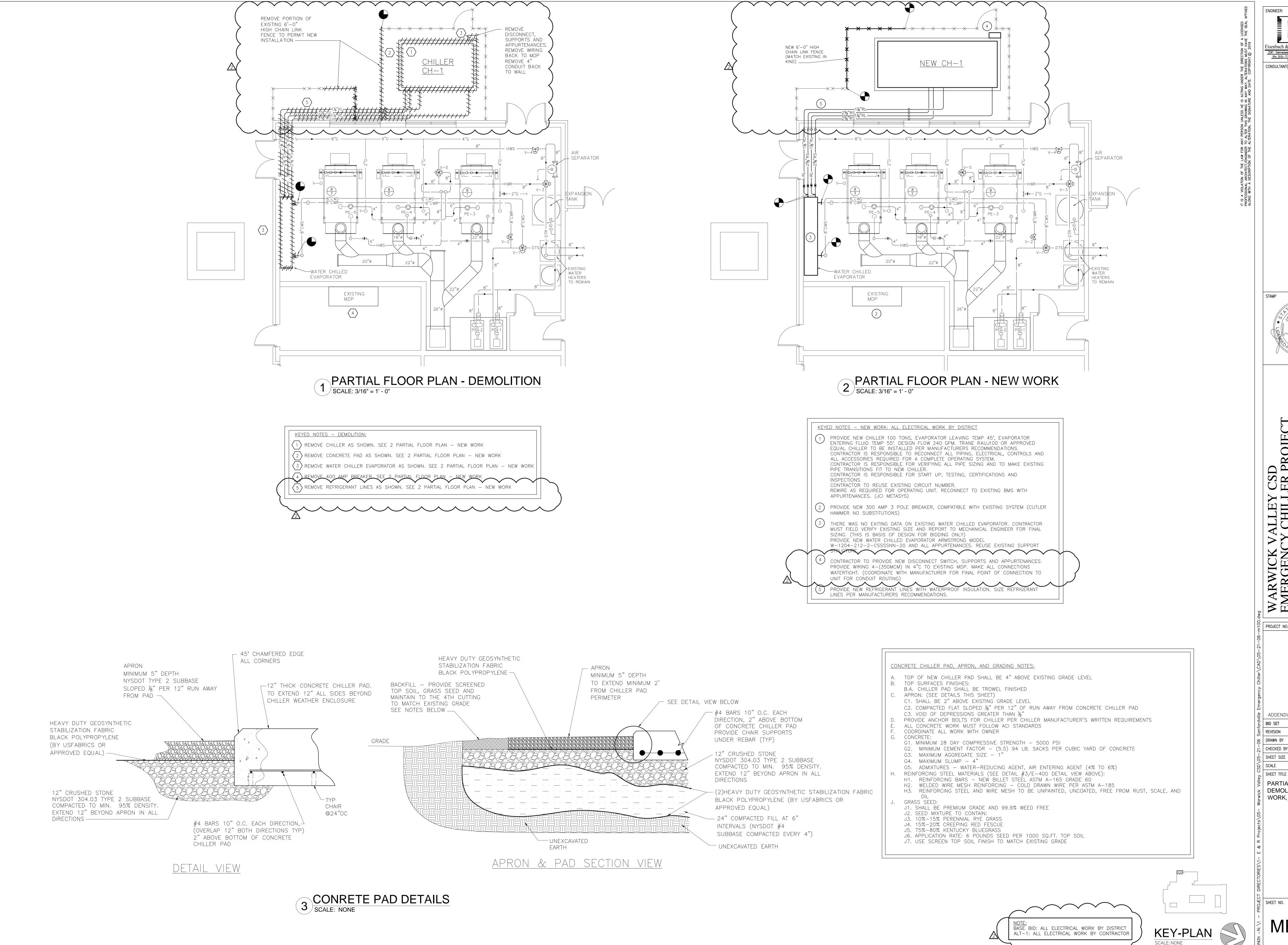
05-21-06 ADDENDUM 2 3.7.2022 BID SET 2.24.2022 REVISION DRAWN BY

PROJECT NO.

JMJ/BS JIE CHECKED BY SHEET SIZE 30" X 42" AS NOTED SCALE SHEET TITLE

ABBREVIATIONS AND SYMBOLS

BASE BID: ALL ELECTRICAL WORK BY DISTRICT ALT-1: ALL ELECTRICAL WORK BY CONTRACTOR



CONSULTANT(S):

CY CHILLER PROJECTOVILLE ROAD, WARWICK, NY PROJECT NO.

> ADDENDUM (2) | 3.7.20222.24.2022 JMJ/BS JIE CHECKED BY 30" X 42" AS NOTED SHEET TITLE

05-21-06

PARTIAL FLOOR PLANS DEMOLITION AND NEW WORK, DETAILS

ME-100