

ADDENDUM #2

1.01 PROJECT INFORMATION

- A. Project Name: Iowa Judicial Branch Building Chiller Replacement
- B. Owner: Iowa Judicial Branch
- C. Owner Project Number: JBFSS2425B
- D. Engineer: Resource Consulting Engineers, LLC.
- E. Engineer Project Number: 2025.023.00.
- F. Date of Addendum: 10/03/2025

1.02 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Regulations of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum, at same time and location.

1.03 ATTACHMENTS

- A. Pre-bid Meeting Minutes
- B. Drawing MD201.
- C. Drawing M201.

1.04 REVISIONS TO DIVISIONS 00 - 49 SPECIFICATION SECTIONS

- A. Specification Section 233423 – HVAC Power Ventilators (not reissued).
 - 1. Article 2.01 Manufacturers. Add the following paragraph:
“E. JencoFan.”
- B. Specification Section 236416 – Centrifugal Water Chillers (not reissued).
 - 1. Paragraph 2.03.F. Revise subparagraph 2 to read “Compressor Casing: Cast aluminum.”

2. Paragraph 2.03.F. Revise subparagraph 7 to read “Provide suction and discharge isolation valves.”
3. Paragraph 2.03.F. Add the following subparagraph:

“8. Economizers: For multistage chillers, provide interstage economizers.”

1.05 REVISIONS TO DRAWING SHEETS

- A. Drawing MD201 – GROUND LEVEL – MECHANICAL PIPING PLAN – DEMOLITION
 1. Revise drawing per full size drawing attachment. See attached drawing MD201.
- B. Drawing M201 – GROUND LEVEL – MECHANICAL PIPING PLAN – NEW WORK
 1. Mechanical Piping General Notes. Delete “Note I”. See attached drawing M201.
- C. Drawing E201 – GROUND LEVEL – POWER PLAN – NEW WORK
 1. New and Demo Switchboard MDP Schedules: Reuse the existing 600A frame circuit breaker serving the original chiller to serve the new chiller. Replace the existing 350 amp trip plug with a new 300A trip plug.
 2. Mechanical Equipment Connection Schedule: The existing feeder to the original chiller may be reused to feed the new chiller, if feasible. This feeder is routed under the floor slab. Coordinate with feeder entry point of new chiller being provided.

END OF ADDENDUM

PRE-BID MEETING MINUTES



RESOURCE
CONSULTING
ENGINEERS LLC

Iowa Judicial Branch Building Chiller Replacement

Project

2025.023.00

RCE Project Number

Pre-bid Meeting

10/02/2025

Meeting Description

Meeting Date

10/03/2025

Issue Date

Meeting Attendees:

- Josh Shortell – Tri-City Electric
- Caden Strigel – Midwest Advantage Group
- Dave Keicher – Baker Electric
- Lonnie LeCroy – Excel Mechanical
- Loren Miller – AMC Mechanical
- James Vigon – All Iowa Mechanical
- Kort Kern – Excel Mechanical
- Ted Cross – Excel Mechanical
- Jon Roorda – Cunningham Inc.
- Tom Briggs – Cerris
- Robert Norris – Aircon Mech.
- Garrett Moe – Cerris
- Doug Ketcham – Aircon Elec.
- Mitch Erickson – Manning Seivert
- Dave Nixon – Manning Seivert
- Jon Thyberg – AJ Allen
- Nathan McCoy – Central Iowa Mechanical
- Luke Miller – Dahl Air
- Joe Vest – VHF Sales, Inc.
- Ted Gerber – DPT Mechanical
- James Deeds – RCE
- Robert Dusenberry - RCE

1. Introduction

- a. All information listed below is available in the previously issued bidding documents.

2. Project Overview

- a. This project consists of the replacement of the existing 290-ton chiller for the Iowa Judicial Branch Building. A new 200-ton magnetic bearing chiller shall be installed in its place.
- b. Minor HVAC and electrical modifications shall be made as well to accommodate the new chiller.

- c. The cooling system shall be fully operational throughout the duration of construction. The contractor shall provide a temporary chiller to provide cooling during the installation of the new chiller. Temporary chiller connection points are built into the existing system.
 - d. Schedule
 - i. Addendum #1 was distributed on September 29th, 2025.
 - ii. Questions must be submitted by 2:00 p.m. on Wednesday, October 8th, 2025.
 - iii. Bids due at 2:00 p.m. on Thursday, October 16th, 2025
 - iv. Estimated construction schedule: April 2026 through May 2026.
 - e. Site Conditions
 - i. The building shall remain open and operational during construction. Temporary shutdowns for utility connections shall be scheduled during after-hours.
 - ii. The building is a secure facility.
3. Bidding Procedure
- a. Bids due at 2:00 p.m. on Thursday, October 16th, 2025.
 - b. Submit bids via email to the contacts listed in the specifications.
 - c. Bid will be opened by the Iowa Judicial Branch and bidders will be notified of the results.

4. Questions and Clarifications

Q: Will coordination drawings be required?

A: No.

Q: Can the contractor submit for payment for off-site storage?

A: Yes, this would be acceptable with photos and proof of insurance.

Q: Are flexible fittings acceptable in lieu of flexible connectors?

A: Yes, flexible fittings are acceptable.

Q: Does the owner want to salvage the existing chiller?

A: No.

Q: Who is providing the controls system?

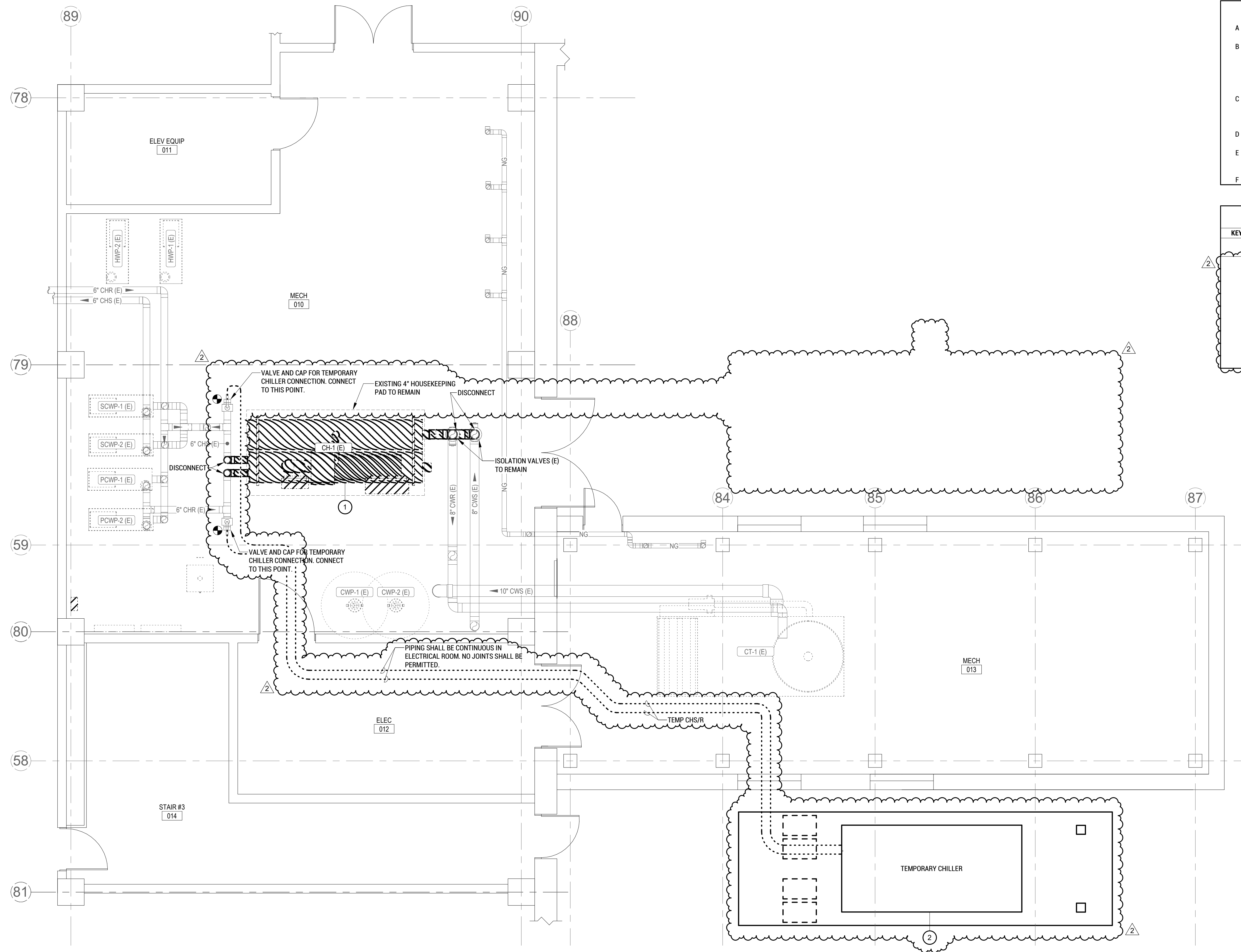
A: The control system is Honeywell and is direct to the owner.

5. Walkthrough

- a. Access to the building and project site shall be coordinated with the facilities management team.
- b. The parking lot to the east of the cooling tower enclosure may be used for staging and for parking the temporary chiller. The area directly outside of the existing chiller room must be kept clear for traffic to the indoor parking area.
- c. Piping for the temporary chiller can be routed through the electrical room. Piping must be a continuous run of flexible pipe through the electrical room. No joints within the electrical room shall be permitted.
- d. The contractors shall be permitted to use the visitor parking lot for parking.

End of Meeting Minutes

Please review these minutes and provide any comments to Resource Consulting Engineers, LLC if you believe any information is incorrect or missing. Any comments received more than one week prior to the Bid Date will be addressed if appropriate. Information contained within these minutes shall not be considered a modification to Bidding Documents unless formally included in an Addendum.



- MECHANICAL DEMOLITION GENERAL NOTES**
- A ALL DUCT, PIPING, AND EQUIPMENT SHOWN DASHED OR HATCHED WITHIN THE AREA OF DEMOLITION SHALL BE DEMOLISHED, UNLESS NOTED OTHERWISE.
 - B DEMOLITION DRAWINGS SHOWING CONDITIONS BASED ON FIELD OBSERVATION AND EXISTING DRAWINGS. ADDITIONAL COMPONENTS REQUIRING REMOVAL OR MODIFICATIONS MAY NOT BE SHOWN. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH EXISTING SYSTEM AND COMPONENTS, AND SHALL BE RESPONSIBLE FOR INCLUDING NECESSARY WORK TO PREPARE SYSTEMS FOR REQUIRED MODIFICATIONS.
 - C FURNISH ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE DEMOLITION OF EXISTING MECHANICAL EQUIPMENT AS SPECIFIED OR INDICATED. DISCONNECT, REMOVE AND RELOCATE ALL ITEMS REQUIRED TO FACILITATE THE WORK.
 - D CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING MECHANICAL SYSTEM(S), WHICH WILL BE AFFECTED BY THE DEMOLITION WORK.
 - E CONTRACTOR SHALL OBTAIN PERMISSION FROM OWNER PRIOR TO SHUT OFF OF SERVICES WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE IMMEDIATE AREA.
 - F ALL WORK SHALL BE SCHEDULED WITH OWNER.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	REMOVE CHILLER, ACCESSORIES, SUPPORTS, AND CONTROLS. REMOVE PIPING TO EXTENT INDICATED AND PREPARE FOR INSTALLATION OF NEW CHILLER.
2	PROVIDE 100-TON TEMPORARY AIR-COOLED CHILLER AND ALL ASSOCIATED PIPING, HOSES, SUPPORTS, ACCESSORIES, CONTROLS, CONDUCTORS, POWER CONNECTIONS, AND PIPING CONNECTIONS TO PROVIDE A TEMPORARY, OPERATIONAL CHILLED WATER PLANT. THE TEMPORARY CHILLER SHALL BE OPERATIONAL DURING REMOVAL OF THE EXISTING CHILLER AND INSTALLATION OF THE NEW CHILLER. MINIMIZE COOLING SYSTEM DOWN TIME. COORDINATE WITH THE OWNER ON EXACT LOCATION OF TEMPORARY CHILLER TRAILER. A TEMPORARY CHILLER MAY NOT BE REQUIRED IF THE CHILLER REPLACEMENT OCCURS BEFORE THE COOLING SEASON FOR THE BUILDING (MARCH 15) OR IF THE OUTSIDE AIR TEMPERATURE IS 58°F OR COOLER DURING THE REPLACEMENT.

1 GROUND LEVEL - MECHANICAL PIPING PLAN - DEMOLITION
 1/4" = 1'-0"

IOWA JUDICIAL BRANCH BUILDING CHILLER REPLACEMENT

RESOURCE CONSULTING ENGINEERS, LLC

IOWA JUDICIAL BRANCH

MEP ENGINEER:
RESOURCE CONSULTING ENGINEERS, LLC

301 ALEXANDER AVENUE
SUITE C
AMES, IA 50010
515-292-2500
www.resourcece.com

IOWA JUDICIAL BRANCH CHILLER REPLACEMENT

1111 E COURT AVE
DES MOINES, IA 50319

IOWA JUDICIAL BRANCH BUILDING CHILLER REPLACEMENT

REVISION INFORMATION

MARK	DATE	DESCRIPTION
2	10/03/25	ADDENDUM #2

IOWA JUDICIAL BRANCH BUILDING CHILLER REPLACEMENT

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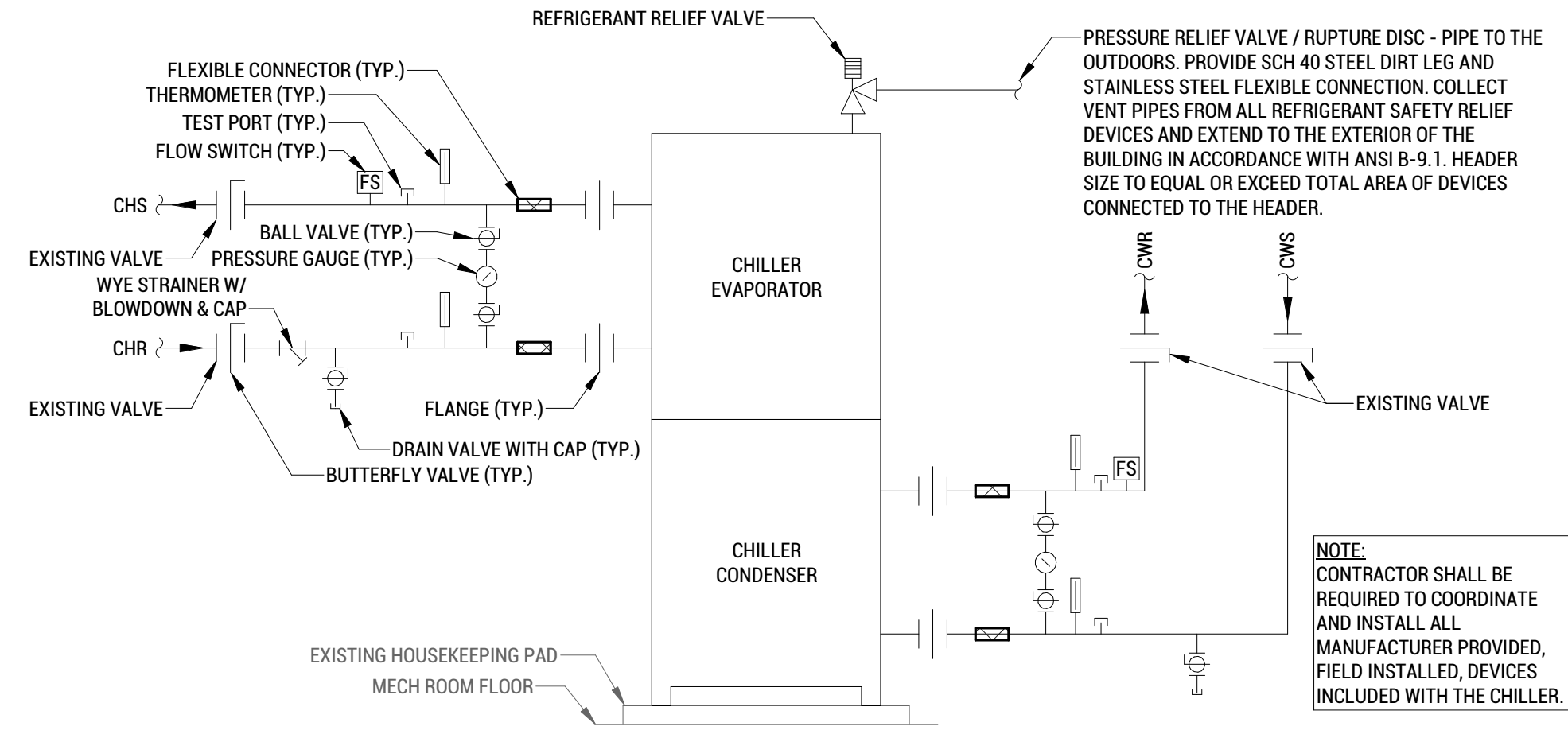
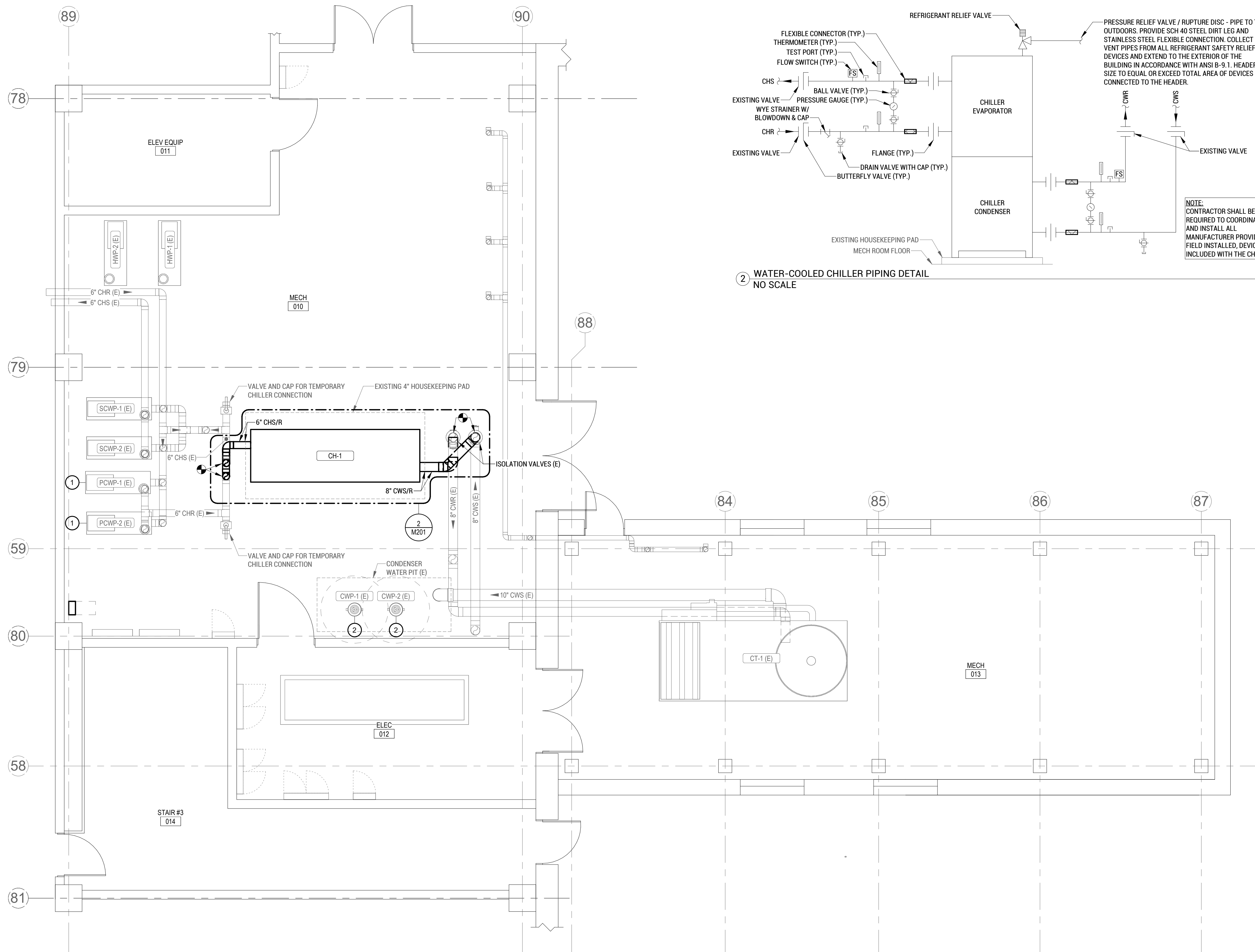
THESE DOCUMENTS HAVE BEEN PREPARED BY RESOURCE CONSULTING ENGINEERS, LLC FOR THE IOWA JUDICIAL BRANCH BUILDING CHILLER REPLACEMENT PROJECT. THE DOCUMENTS SHALL REMAIN THE PROPERTY OF RESOURCE CONSULTING ENGINEERS, LLC AND SHALL NOT BE USED ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF RESOURCE CONSULTING ENGINEERS, LLC. RESOURCE CONSULTING ENGINEERS, LLC SHALL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THEREIN.

ISSUED: 09/23/2025
PROJECT NO: 2025.023.00

IOWA JUDICIAL BRANCH BUILDING CHILLER REPLACEMENT

GROUND LEVEL - MECHANICAL PIPING PLAN - DEMOLITION

MD201



2 WATER-COOLED CHILLER PIPING DETAIL
NO SCALE

- MECHANICAL PIPING GENERAL NOTES**
- A SUPPLY AND RETURN PIPING TO ALL TERMINAL EQUIPMENT SHALL BE THE SAME SIZE.
 - B CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.
 - C PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT MOUNTED ON THE FLOOR. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTION.
 - D CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO WORK.
 - E CONTRACTOR IS RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS.
 - F ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. THE CONTRACTOR SHALL PROVIDE ALL HANGERS AND SUPPORTS REQUIRED FOR A COMPLETE INSTALLATION.
 - G FOR CLARITY OF INFORMATION ON DRAWING, ALL CONDUIT, PIPING, DUCTWORK, EQUIPMENT, DEVICES, ETC. ARE NOT SHOWN ON THIS DRAWING. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH WORK OF OTHER TRADES AND BUILDING ARCHITECTURAL.
 - H REQUIRED ACCESS AREA FOR MECHANICAL EQUIPMENT IS TYPICALLY INDICATED ON DRAWINGS. CONTRACTOR SHALL COORDINATE FINAL EQUIPMENT LOCATIONS WITH WORK OF OTHER TRADES TO ENSURE EQUIPMENT IS ACCESSIBLE FOR MAINTENANCE, FILTER REPLACEMENTS, ETC.
 - I NOT USED.
 - J DRAWINGS ARE DIAGRAMMATIC IN NATURE AND SHOULD NOT BE USED TO DETERMINE EXACT LOCATIONS OF EQUIPMENT, PIPING AND ACCESSORIES, ETC. REFER TO ALL AVAILABLE INFORMATION WITHIN CONTRACT DOCUMENTS (INCLUDING, BUT NOT NECESSARILY LIMITED TO, STRUCTURAL PLANS, FLOOR PLANS, REFLECTED CEILING PLANS, ELECTRICAL LIGHTING, POWER AND SYSTEM PLANS, PLUMBING PLANS, MECHANICAL PIPING PLANS, ETC.) TO COORDINATE EXACT LOCATIONS FOR INSTALLATION OF WORK INDICATED ON THIS DRAWINGS.
 - K CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 4'-0" AFF, A MINIMUM OF 8" FROM LIGHT SWITCH.
 - L CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	BALANCE PRIMARY CHILLED WATER PUMP TO THE EVAPORATOR FLOW RATE LISTED IN THE WATER-COOLED CHILLER SCHEDULE.
2	BALANCE CONDENSER WATER PUMP TO THE CONDENSER FLOW RATE LISTED IN THE WATER-COOLED CHILLER SCHEDULE.

1 GROUND LEVEL - MECHANICAL PIPING PLAN - NEW WORK
1/4" = 1'-0"

WATER-COOLED CHILLER SCHEDULE

DESIGNATION	LOCATION	BASIS OF DESIGN		SERVICE	COMPRESSOR TYPE	QUANTITY OF COMPRESSORS	REFRIGERANT TYPE	MAX. REFRIGERANT CHARGE (LBS.)	NOMINAL CAPACITY (TONS)	UNIT CAPACITY (TONS)	EFFICIENCY		EVAPORATOR PERFORMANCE					CONDENSER PERFORMANCE					VFD	ELECTRICAL DATA									
		MANUFACTURER	MODEL								KW/TON	IPLV	FLUID TYPE	DESIGN FLOW (GPM)	ENT. FLUID TEMP. (°F)	LVG. FLUID TEMP. (°F)	MIN. FLOW (GPM)	MAX. PRESSURE DROP (FEET WG)	FOULING FACTOR	UNIT CAPACITY (TONS)	FLUID TYPE	DESIGN FLOW (GPM)		ENT. FLUID TEMP. (°F)	LVG. FLUID TEMP. (°F)	MAX. PRESSURE DROP (FEET WG)	FOULING FACTOR	VOLTAGE	PHASE	KW	MCA	MOCP	NOTES
CH-1	MECH RM	DUNHAM BUSH	DCLC240M	CHILLED WATER SYSTEM	MAGNETIC BEARING CENTRIFUGAL	2	R513A	968	200	200	0.538	0.376	WATER	400	54	42	400	7.33	0.0001	200	WATER	548	85	95	9.37	0.00025	YES	460	3	107.6	213	300	1,2,3

- NOTES:**
- THE EVAPORATOR AND CONDENSER SHALL BE 2 PASS.
 - THE WATER CHILLER SHALL NOT EXCEED A SOUND PRESSURE OF 78 DBA AT 100 PERCENT LOAD AT DESIGN CONDITIONS AS TESTED PER AHRI STANDARD 575.
 - PROVIDE 2 INDEPENDENT REFRIGERANT CIRCUITS.

REVISION INFORMATION

MARK	DATE	DESCRIPTION
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GROUND LEVEL - MECHANICAL PIPING PLAN - NEW WORK

M201