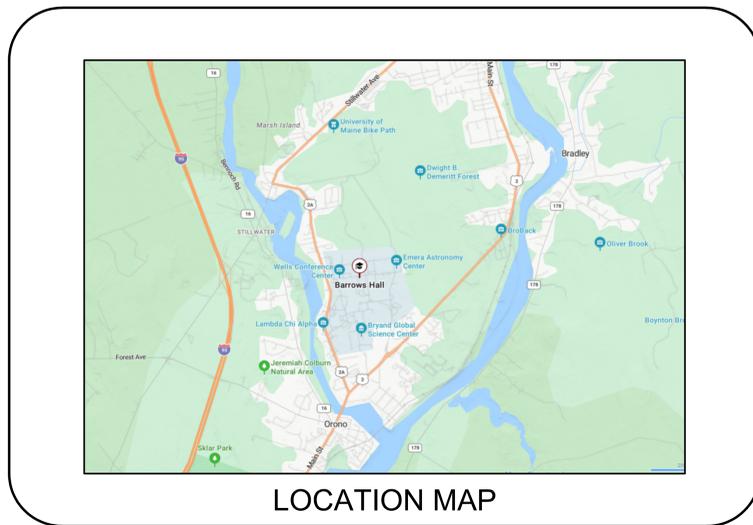


UNIVERSITY OF MAINE BARROWS HALL CHILLER REPLACEMENT

ORONO, MAINE

ALLIED PROJECT No. 2561-22715

ISSUED FOR CONSTRUCTION
13 JANUARY, 2026

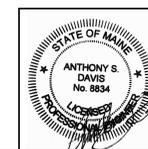


LOCATION MAP

DRAWINGS		ISSUE		DATE	
		DESCRIPTION	DATE	DESCRIPTION	DATE
Sht No.	SHEET TITLE	DESIGN DEVELOPMENT	11-13-2025	FINAL REVIEW	12-23-2025
-	COVER SHEET	FOR CONSTRUCTION	01-13-2026		
S-1	GENERAL NOTES, ABBREVIATIONS AND DRAWING LIST				
S-2	STRUCTURAL PLANS AND DETAILS				
MP-0	PLUMBING AND H VAC NOTES, LEGEND AND ABBREVIATIONS				
MP-1	MECHANICAL AND MECHANICAL DEMOLITION PLANS				
MP-5	MECHANICAL DETAILS AND SCHEDULES				
E-0	ELECTRICAL LEGEND AND GENERAL NOTES				
E-1	ELECTRICAL SCHEDULES				
EP-1	POWER AND POWER DEMOLITION PLANS				

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STRUCTURAL GENERAL NOTES

GENERAL

- 1. THE STRUCTURE IS DESIGNED TO BE STABLE AND SELF SUPPORTING AT THE COMPLETION OF CONSTRUCTION. TEMPORARY BRACES, GUYS, TIE-DOWNS, SHORING, ETC. DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. SEE MECHANICAL, ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DETAILS. ALSO, SEE STRUCTURAL SPECIFICATIONS.
3. STRUCTURAL CONDITIONS WHERE SECTIONS OR DETAILS ARE CUT SHALL ALSO APPLY TO COMPARABLE SIMILAR LOCATIONS ELSEWHERE ON THE PLANS REGARDLESS IF THE SECTION MARK IS NOT INDICATED. DETAILS SHOWN APPLY TO ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. DO NOT SCALE DRAWINGS.
4. CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS, LAYOUT AND DETAILS OF ALL OPENINGS AND PENETRATIONS. CONTRACTOR SHALL REVIEW ALL OF THE CONTRACT DOCUMENTS AND CONSULT WITH THE SUBCONTRACTORS AND SUPPLIERS TO OBTAIN THE REQUIRED INFORMATION.
5. CONTRACTOR SHALL VERIFY AND COORDINATE THE FINAL LOCATION, LAYOUT, AND DETAILS OF ALL FRAMING FOR MECHANICAL EQUIPMENT. THE CONTRACTOR SHALL CONSULT WITH THE SUBCONTRACTORS AND SUPPLIERS TO OBTAIN THE REQUIREMENTS FOR EQUIPMENT AND/OR MATERIALS THAT WILL BE PROVIDED FOR THE PROJECT. VARIATIONS TO THE FRAMING INDICATED ON THE STRUCTURAL DOCUMENTS INCLUDING ADDITIONAL SUPPORT AT MECHANICAL SHIPPING SPLITS SHALL BE COORDINATED AND INSTALLED AFTER REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED.

EXISTING CONDITIONS

- 1. PRIOR TO BEGINNING OF ANY NEW WORK CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, QUANTITIES, ETC. IN THE FIELD. NOTIFY ENGINEER/ARCHITECT OF ANY DISCREPANCIES FOUND IMMEDIATELY.
2. EXISTING CONDITIONS DEPICTED IN THESE CONTRACT DOCUMENTS IS BASED UPON ORIGINAL DESIGN STRUCTURAL BID PACKAGE DRAWINGS DATED 06/28/02 PREPARED BY FOLEY & BIJHL ENGINEERING. EXISTING CONDITIONS MAY VARY FROM WHAT IS SHOWN IN THESE CONTRACT DOCUMENTS.
4. CONTRACTOR TO PERFORM SELECTIVE DEMOLITION AND EXPLORATORY INVESTIGATIONS AS REQUIRED TO VERIFY THE EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
5. PRIOR TO BEGINNING ANY DEMOLITION OR NEW CONSTRUCTION, CONTRACTOR TO PERFORM AN EXISTING CONDITIONS SURVEY IN THE PRESENCE OF THE OWNER AND/OR OWNER'S REPRESENTATIVE. PROVIDE PHOTOGRAPHS AND/OR VIDEOTAPE SHOWING EXISTING CONDITIONS OF ADJOINING CONSTRUCTION AND SITE IMPROVEMENTS, INCLUDING FINISH SURFACES, THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY DEMOLITION/CONSTRUCTION OPERATIONS. SUBMIT BEFORE DEMOLITION/CONSTRUCTION BEGINS

CODES

- 1. ALLOWABLE UNIT STRESSES AND DESIGN CRITERIA IN ACCORDANCE WITH THE FOLLOWING -
A) 'THE MAINE UNIFORM BUILDING AND ENERGY CODE' (MUBEC), 'THE 2021 INTERNATIONAL BUILDING CODE', AND 'THE 2021 INTERNATIONAL EXISTING BUILDING CODE'
B) 'MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDING AND OTHER STRUCTURES', ASCE/SEI 7-16.
C) 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS', AISC 360-16.

DESIGN CRITERIA (NEW WORK ONLY)

- 1. LIVE LOADS:
ROOF:
- GROUND SNOW LOAD (Pg) XX PSF
- FLAT-ROOF SNOW LOAD (P) XX PSF + DRIFT WHERE APPLICABLE
- SNOW EXPOSURE FACTOR (Ce) X.X
- SNOW THERMAL FACTOR (Ct) X.X
- SNOW LOAD IMPORTANCE FACTOR (Is) X.X
LATERAL LOADS:
WIND DESIGN DATA:
- ULTIMATE WIND SPEED (Vult) XX MPH
- NOMINAL WIND SPEED (Vasd) XX MPH
- WIND IMPORTANCE FACTOR (Iw) XXX
- BUILDING RISK CATEGORY XX
- WIND EXPOSURE X
EARTHQUAKE DESIGN DATA:
- SEISMIC IMPORTANCE FACTOR (Ie) 1.XX
- BUILDING RISK CATEGORY X
- MAPPED SPECTRAL ACCEL AT SHORT PERIODS (Ss) 0.XXX
- MAPPED SPECTRAL ACCEL AT 1-SEC PERIOD (S1) 0.XXX
- SITE CLASS X
- DESIGN SPECTRAL ACCEL AT SHORT PERIODS (Sds) 0.XXX

DESIGN CRITERIA (NEW WORK ONLY)

- DESIGN SPECTRAL ACCEL AT 1 SEC PERIOD (SD1) 0.XXX
- SEISMIC DESIGN CATEGORY X
4. W SHAPES, STRUCTURAL STEEL SECTIONS ASTM A 992, Fy=50 KSI (UNLESS OTHERWISE NOTED)
5. ROLLED CHANNELS, ANGLES, PLATES AND SHAPES ASTM A 36, Fy=36 KSI (UNLESS OTHERWISE NOTED)

STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE REFERENCED EDITION OF THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
2. ALL WELDING ELECTRODES SHALL BE E70XX UNLESS OTHERWISE NOTED.
3. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 325 OR ASTM A 490.
4. ALL WELDING SHALL BE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION, LATEST EDITION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION PROCEDURES AND SEQUENCES INCLUDING TEMPORARY BRACING AND SHORING.
6. THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
7. ANY ADDITIONAL STEEL REQUIRED BY THE CONTRACTOR FOR ERECTION PURPOSES AND SITE ACCESS OR MATERIALS FOR STOCKPILING STEEL SHALL BE PROVIDED AT NO COST TO THE OWNER. ALL SUCH ADDITIONAL STEEL SHALL BE REMOVED BY THE CONTRACTOR UNLESS APPROVED BY THE OWNER IN WRITING.
8. PROVIDE FULL DEPTH WEB STIFFENER PLATES, BOTH SIDES, FOR ALL BEAMS CONTINUOUS OVER COLUMNS AND FOR BEAMS SUPPORTING POSTS FROM ABOVE. PROVIDE PLATE AT EACH FLANGE OR WEB OF COLUMN OR POST.
9. FABRICATE AND ERECT ALL BEAMS WITH CAMBER UP.
10. SHOP AND FIELD TESTING OF WELDS AND BOLTS BY TESTING LAB SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION XXXXX, SHOP QUALITY CONTROL, AND FIELD QUALITY CONTROL.
13. BEAM END CONNECTIONS SHALL BE SELECTED AND DETAILED FOR 1.25 TIMES THE REACTIONS INDICATED. A MINIMUM CONNECTION CAPACITY OF 6 KIPS SHALL BE PROVIDED. REACTIONS GOVERNED BY THE 6K MINIMUM ARE DESIGNATED AS *-WXXXXX-* ON PLAN, AND NEED NOT BE INCREASED BY THE FACTOR OF 1.25.

Table with 2 columns: NOMINAL MEMBER DEPTH, MINIMUM BOLT ROWS. Rows include 10" OR LESS (2), 12" TO 18" (3), 21" TO 24" (4), 27" TO 30" (5), OVER 30" (6).

- 14. CONNECTIONS WHERE NO END REACTIONS ARE INDICATED MAY BE ESTIMATED FOR A REACTION EQUAL TO ONE HALF THE ALLOWABLE UNIFORM LOAD FOR THE BEAM SPAN. FOR FINAL DESIGN PURPOSES, THE FABRICATOR SHALL SUBMIT AN RFI TO THE ENGINEER TO REQUEST VALUES FOR ANY REACTIONS THAT ARE NOT INDICATED.
17. PROVIDE DECK OPENING FRAMES FOR ALL OPENINGS IN FLOOR DECK AND ROOF DECK 12" AND LARGER, INCLUDING SLIMP PANS. SEE "MXXXX". COORDINATE FINAL QUANTITY AND LOCATION WITH ARCHITECTURAL AND MEP DRAWINGS.
19. ALL FIELD WELDS SHALL BE SCRAPPED AND CLEANED FREE OF SLAG BY WELDER/ERECTOR TO ENABLE VISUAL WELD INSPECTION.
20. FIELD WELDING TO GALVANIZED STEEL: PRIOR TO FIELD WELDING CONNECTIONS, ZINC COATING AT ALL WELD CONNECTION AREAS SHALL BE REMOVED BY BURNING WITH OXYGEN FUEL GAS TORCH OR GRINDING TO BARE STEEL. APPLY A MINIMUM OF TWO COATS OF ZINC-RICH PAINT AFTER CLEANING COMPLETED WELD.

STRUCTURAL ABBREVIATIONS

Table of structural abbreviations with columns for symbol, number or pound, and description. Includes symbols like #, &, @, AESS, AFF, ARCH, AVG, B/S, BF, BFE, BLDG, BM, BOT, C, CANT, CFMF, CJ, CL, CLR, CMU, CO, COL, CONC, CONST, CONT, COORD, DEMO, DIA, DIAG, DIM, DL, DOP, DWGS, EA, EE, EF, EJ, EL, ELEC, EOS, EQ, EW, EX, EXT, FD, FDN, FF, FL, FS, FT, FTG, GALV, GR, HORIZ, HSS, ID, IN, INT, INV, K, L, LG, LL, LLH, LLV, LSH, LSV, MAX, MECH, MFR, MIN, MISG, MO, NTS, O/C, OD, OF, OH, OPP, P, PAF, PEN, PIA, PL, QTY, R, RAD, RD, REINF, REQD, RL, RTU, SDL, SECT, SF, SIML, SJ, SL, SOG, SPEC, STR, T&B, TCE, TGE, TPC, TPE, TPL, TSE, TWE, TYP, UON, VERT, VIF, W, W/O, WP, WWP.

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REVISIONS

Table for revisions with columns for NUMBER, DATE, and DESCRIPTION.

Date:
Drawn By: MKS
Checked By: JLF
Project Mgr: JLF
Project No: 2661-22715
Card No: 0
Graphic Scale: 1"

GENERAL NOTES, ABBREVIATIONS AND DRAWING LIST
UNIVERSITY OF MAINE
BARROWS HALL CHILLER REPLACEMENT
ORONO, MAINE

S-1

STRUCTURAL DRAWING LIST
S-1 GENERAL NOTES, ABBREVIATIONS AND DRAWING LIST
S-2 STRUCTURAL PLANS AND DETAILS
Grand total: 2

**AIR SEPARATION / EXPANSION TANK SCHEDULE
- ALTERNATE No. 1**

SYSTEM	PRIMARY HEATING
AIR-DIRT SEPARATOR	AS-1
MANUFACTURER	SPIROTERM
MODEL	VDT800FAM
TYPE	AIR, DIRT, MAGNET
INLET/OUTLET	6"
BLADDER-TYPE EXPANSION TANK	EXISTING TO REMAIN

**COOLING TOWER SCHEDULE
- ALTERNATE No. 2**

TAG	CT-1
LOCATION	ROOF
MANUFACTURER	BAC
MODEL	XES3E-1222-07M
TOWER FLOW RATE	1,340
HOT WATER TEMP	95
COLD WATER TEMP	85
WET BULB TEMP	78
MOTOR HP	20
MOTOR RPM	
MOTOR EFFICIENCY	PREMIUM
MOTOR DUTY	VFD
MOTOR CONFIG	DIRECT DRIVE/ENDURADRM
BASEIN HEATER KW	2@14KW
ELECTRICAL	480/3
LENGTH	21' 6 1/2"
WIDTH	11' 9 3/4"
HEIGHT - LESS FAN GUARD & RAILS	11' 9"
SHIPPING WEIGHT, LBS	12,343
OPERATING WEIGHT, LBS	24,623

WATER COOLED CHILLER SCHEDULE

	UNIT	CH-1R
GENERAL	STATUS	NEW
	TYPE	CENTRIFUGAL
	MANUFACTURER	YORK
	MODEL	YMC2-S1055BAS
	TONS	300
	RIGGING WEIGHT	14,207 LBS
EVAPORATOR	REFRIGERANT TYPE	R-513A
	REFRIGERANT CHARGE	894 LBS
	KW/TON	0.635
	IPLV, KW/TON	0.3855
CONDENSER	GPM	650
	PASSES	2
	ENT WATER TEMP °F	56.0
	LVG WATER TEMP °F	44.0
	MAX PD, FT-H2O	25.5
	FOULING FACTOR	0.0001
ELECTRICAL	GPM	860
	PASSES	2
	ENT WATER TEMP °F	55.0
	LVG WATER TEMP °F	95.0
	MAX PD, FT-H2O	18.6
	FOULING FACTOR	0.00025
	DISC. SW. FURN BY.	CHILLER MFR.
	STARTER TYPE	VFD - UNIT MOUNTED
	V-PH-HZ	480-3-60
	CHILLER INPUT POWER, KW	190.4
MOTOR RLA	525	
MOTOR OLTA	545	
CHILLER RLA	250	
CHILLER INRUSH AMPS	250	
MAX CIRCUIT BREAK	500	
MCA	313	

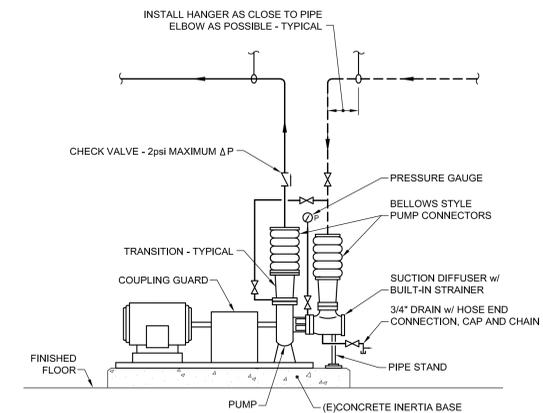
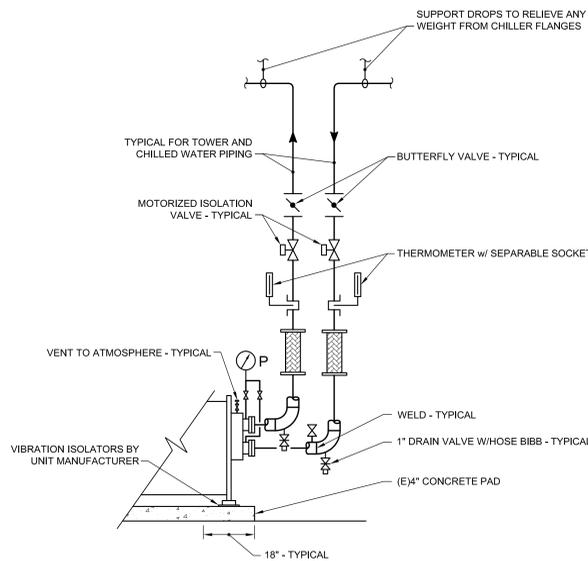
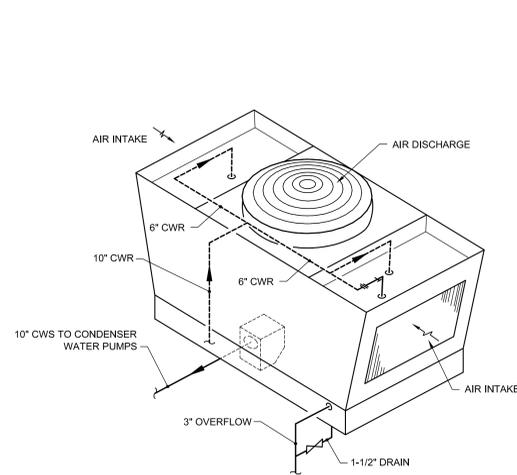
NOTES:
THE CHILLER SHALL INCLUDE ALL REQUIRED ACCESSORIES AND CONTROLS FOR FUTURE OPERATION IN A LOW TEMPERATURE BRINE/PROPYLENE GLYCOL APPLICATION. IT IS ANTICIPATED THAT THE FUTURE SYSTEM WILL BE REQUIRED TO PROVIDE 20-22 DEG F CHILLED WATER FOR AN ICE STORAGE SYSTEM. OPTIONS SHALL INCLUDE BUT NOT BE LIMITED TO ADDITIONAL EVAPORATOR BARREL INSULATION, REVISED HEAD PRESSURE CONTROLS FOR "SMART FREEZE" LOW TEMPERATURE OPERATION, AND FREEZE PROTECTION CONTROLS FOR THE CONDENSER BARREL.

HYDRONIC PUMP SCHEDULE

TAG	SYSTEM	MFR	MODEL	SUCTION DISCH	TYPE	PUMPED FLUID	PERFORMANCE					ELECTRICAL			ELECTRICAL COORDINATION			NOTES	
							GPM	HEAD	RPM	NPSH	BHP	NOL HP	MOTOR HP	VOLTS/PH (60 Hz.)	STARTER TYPE	STARTER FURN. BY	BOTH PUMPS RUN?		DISC SWITCH FURN BY
CHWP-1	CHILLED WATER	GRUNDFOS	NBSE 040-095-4P	5 X 4	INTEGRAL VARIABLE SPEED	37% PG	650	75	1,697	9.89	14.7		20	460/3	INTEGRAL	-----	NO, LEAD-LAG	DIV 26	1, 2
CHWP-1	CHILLED WATER	GRUNDFOS	NBSE 040-095-4P	5 X 4	INTEGRAL VARIABLE SPEED	37% PG	650	75	1,697	9.89	14.7		20	460/3	INTEGRAL	-----	NO, LEAD-LAG	DIV 26	1, 2
CWP-1	CHILLED WATER	GRUNDFOS	NBSE 050-110-4P	6 X 5	INTEGRAL VARIABLE SPEED	WATER	860	75	1,835	9.9	20.3		25	460/3	INTEGRAL	-----	NO, LEAD-LAG	DIV 26	1, 3
CWP-1	CHILLED WATER	GRUNDFOS	NBSE 050-110-4P	6 X 5	INTEGRAL VARIABLE SPEED	WATER	860	75	1,835	9.9	20.3		25	460/3	INTEGRAL	-----	NO, LEAD-LAG	DIV 26	1, 3

NOTES:
1. PROVIDE VARIABLE FLOW MODE.
2. PUMP SHALL BE FURNISHED AND INSTALLED UNDER ALTERNATE No. 1.
3. PUMP SHALL BE FURNISHED AND INSTALLED UNDER ALTERNATE No. 2.

D1 MECHANICAL SCHEDULES
NONE



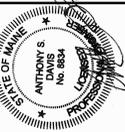
A1 SINGLE CELL COOLING TOWER PIPING CONNECTIONS DETAIL - ALTERNATE No. 2
NOT TO SCALE

A4 ABSORPTION CHILLER PIPING CONNECTIONS DETAIL
NOT TO SCALE

A7 BASE MOUNTED END SUCTION PUMP DETAIL - ALTERNATE No. 1 AND No. 2
NOT TO SCALE

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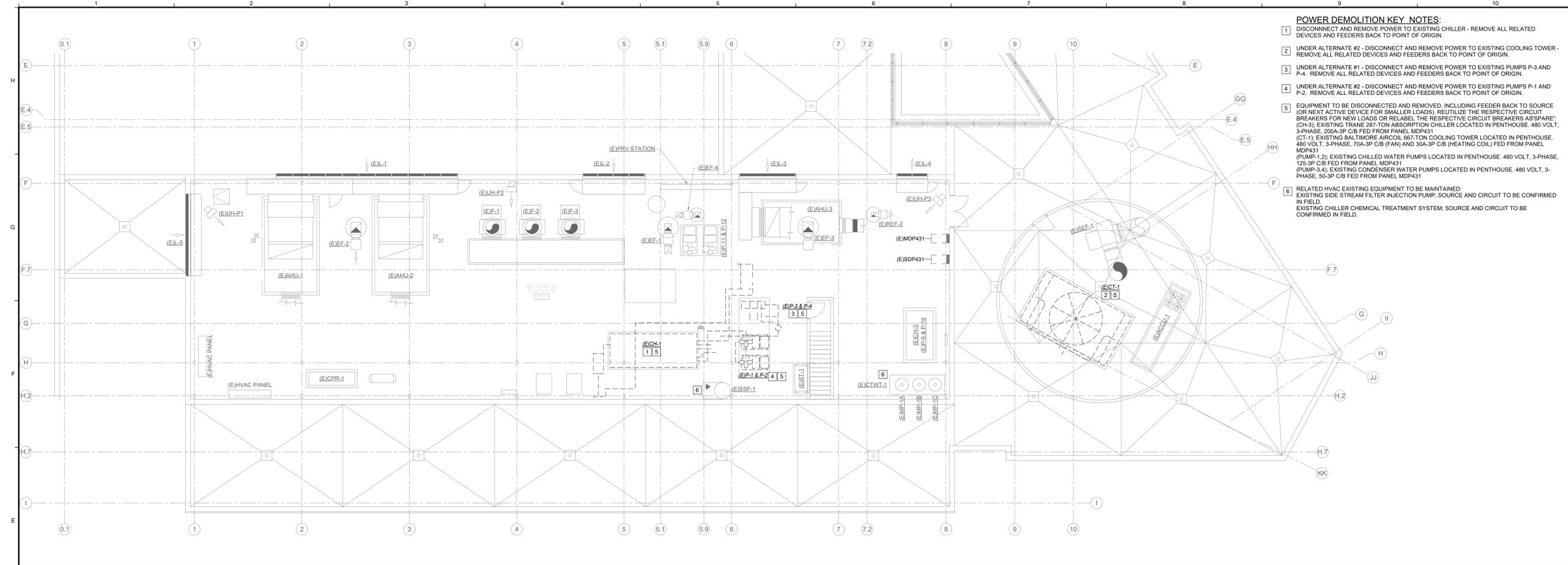
REVISIONS

DATE BY
NUMBER

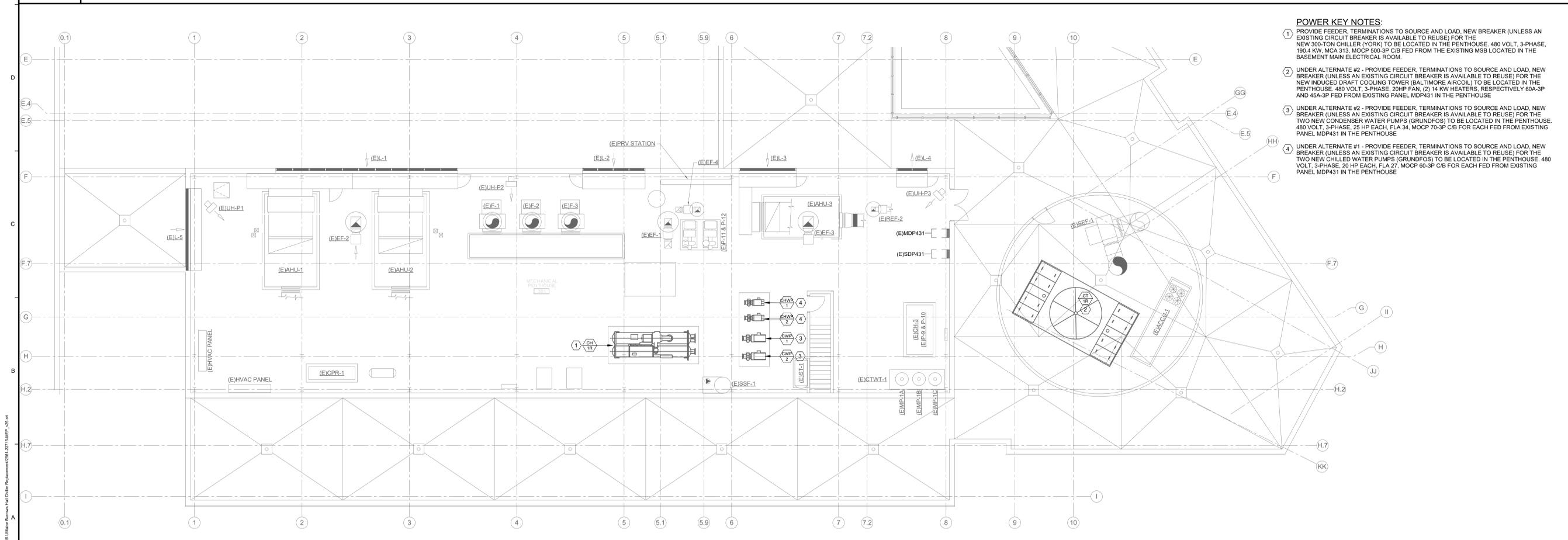
MECHANICAL DETAILS AND SCHEDULES
UNIVERSITY OF MAINE
BARRROWS HALL CHILLER REPLACEMENT
ORONO, MAINE

MP-5

ISSUED FOR CONSTRUCTION ~ 13 JANUARY, 2026



- POWER DEMOLITION KEY NOTES:**
- DISCONNECT AND REMOVE POWER TO EXISTING CHILLER - REMOVE ALL RELATED DEVICES AND FEEDERS BACK TO POINT OF ORIGIN.
 - UNDER ALTERNATE #2 - DISCONNECT AND REMOVE POWER TO EXISTING COOLING TOWER - REMOVE ALL RELATED DEVICES AND FEEDERS BACK TO POINT OF ORIGIN.
 - UNDER ALTERNATE #1 - DISCONNECT AND REMOVE POWER TO EXISTING PUMPS P-3 AND P-4. REMOVE ALL RELATED DEVICES AND FEEDERS BACK TO POINT OF ORIGIN.
 - UNDER ALTERNATE #2 - DISCONNECT AND REMOVE POWER TO EXISTING PUMPS P-1 AND P-2. REMOVE ALL RELATED DEVICES AND FEEDERS BACK TO POINT OF ORIGIN.
 - EQUIPMENT TO BE DISCONNECTED AND REMOVED, INCLUDING FEEDER BACK TO SOURCE OR NEXT ACTIVE DEVICE FOR SMALLER LOADS; REUTILIZE THE RESPECTIVE CIRCUIT BREAKERS FOR NEW LOADS OR RELABEL THE RESPECTIVE CIRCUIT BREAKERS AS SPARE (CH-3); EXISTING TRANE 287-TON ABSORPTION CHILLER LOCATED IN PENTHOUSE. 480 VOLT, 3-PHASE, 200A-3P C/B FED FROM PANEL MDP431 (CT-1); EXISTING BALTIMORE AIRCOIL 667-TON COOLING TOWER LOCATED IN PENTHOUSE. 480 VOLT, 3-PHASE, 70A-3P C/B (FAN) AND 30A-3P C/B (HEATING COIL) FED FROM PANEL MDP431 (PUMP-1,2); EXISTING CHILLED WATER PUMPS LOCATED IN PENTHOUSE. 480 VOLT, 3-PHASE, 125-3P C/B FED FROM PANEL MDP431 (PUMP-3,4); EXISTING CONDENSER WATER PUMPS LOCATED IN PENTHOUSE. 480 VOLT, 3-PHASE, 50-3P C/B FED FROM PANEL MDP431
 - RELATED HVAC EXISTING EQUIPMENT TO BE MAINTAINED; EXISTING SIDE STREAM FILTER INJECTION PUMP; SOURCE AND CIRCUIT TO BE CONFIRMED IN FIELD. EXISTING CHILLER CHEMICAL TREATMENT SYSTEM; SOURCE AND CIRCUIT TO BE CONFIRMED IN FIELD.



- POWER KEY NOTES:**
- PROVIDE FEEDER, TERMINATIONS TO SOURCE AND LOAD, NEW BREAKER (UNLESS AN EXISTING CIRCUIT BREAKER IS AVAILABLE TO REUSE) FOR THE NEW 300-TON CHILLER (YORK) TO BE LOCATED IN THE PENTHOUSE. 480 VOLT, 3-PHASE, 190.4 KW, MCA 313, MOCP 500-3P C/B FED FROM THE EXISTING MSB LOCATED IN THE BASEMENT MAIN ELECTRICAL ROOM.
 - UNDER ALTERNATE #2 - PROVIDE FEEDER, TERMINATIONS TO SOURCE AND LOAD, NEW BREAKER (UNLESS AN EXISTING CIRCUIT BREAKER IS AVAILABLE TO REUSE) FOR THE NEW INDUCED DRAFT COOLING TOWER (BALTIMORE AIRCOIL) TO BE LOCATED IN THE PENTHOUSE. 480 VOLT, 3-PHASE, 200HP FAN, (2) 14 KW HEATERS, RESPECTIVELY 60A-3P AND 45A-3P FED FROM EXISTING PANEL MDP431 IN THE PENTHOUSE
 - UNDER ALTERNATE #2 - PROVIDE FEEDER, TERMINATIONS TO SOURCE AND LOAD, NEW BREAKER (UNLESS AN EXISTING CIRCUIT BREAKER IS AVAILABLE TO REUSE) FOR THE TWO NEW CONDENSER WATER PUMPS (GRUNDFOS) TO BE LOCATED IN THE PENTHOUSE. 480 VOLT, 3-PHASE, 20 HP EACH, FLA 34, MOCP 70-3P C/B FOR EACH FED FROM EXISTING PANEL MDP431 IN THE PENTHOUSE
 - UNDER ALTERNATE #1 - PROVIDE FEEDER, TERMINATIONS TO SOURCE AND LOAD, NEW BREAKER (UNLESS AN EXISTING CIRCUIT BREAKER IS AVAILABLE TO REUSE) FOR THE TWO NEW CHILLED WATER PUMPS (GRUNDFOS) TO BE LOCATED IN THE PENTHOUSE. 480 VOLT, 3-PHASE, 20 HP EACH, FLA 27, MOCP 60-3P C/B FOR EACH FED FROM EXISTING PANEL MDP431 IN THE PENTHOUSE

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MECHANICAL ENGINEER
No. 15206

REVISIONS

NUMBER	DATE	BY	DESCRIPTION

Date: 11/07/2025
Drawn By: PNC
Checked By: BTG
Project Mgr: ASD
Project No: 2561-22715
Civil File:
Graphic Scale: 0" = 1'

POWER AND POWER DEMOLITION PLANS

UNIVERSITY OF MAINE
BARROWS HALL CHILLER REPLACEMENT
ORONO, MAINE

EP-1

ISSUED FOR CONSTRUCTION ~ 13 JANUARY, 2026