



**A LONG TERM HEALTH CARE FACILITY  
HAWAII HEALTH SYSTEMS CORPORATION**

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1027 Hala Drive ■ Honolulu, Hawaii 96817 ■ Telephone: (808) 832-6124 ■ Secure Fax: (808) 832-3897

February 23, 2026

TO: Interested Bidders

FROM: Michael Nakada  
HHSC Oahu Region

SUBJECT: Addendum No. 1 (revision 1)  
IFB No. 26M-0201 Maluhia Cooling Tower Replacement

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Addendum No. 1 (revision 1) provides changes to the subject solicitation.

Please see attached.

End of Addendum No. 1 (revision 1)



MECHANICAL ENTERPRISES, INC.  
MECHANICAL & FIRE PROTECTION ENGINEERS  
501 SUMNER STREET, SUITE 503 · HONOLULU, HAWAII · 96817  
Phone: (808) 591-9038 · Fax: (808) 596-7356

## ADDENDUM NO.1

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### **MALUHIA HOSPITAL COOLING TOWER REPLACEMENT**

1207 Hala Drive  
Honolulu, Hawaii 96817  
Maluhia Hospital

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The items listed herein are hereby made a part of the contract for the above project and shall govern the work, taking precedence over the previously issued plans and specifications governing the items mentioned. All new work specified by this Addendum shall conform to the basic drawings and specifications.

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### **REQUEST FOR INFORMATION**

1. Section 1.14 notes the regular working hours for this project shall take place between the hours of 8:00 AM to 4:30 PM Monday through Friday, excluding State Holidays, unless otherwise noted or restricted.  
The crane required to remove the existing cooling tower and install the new cooling tower on the rooftop will need to be staged in the parking lot adjacent to the building. A portion of the parking lot will not be accessible during this time. Please confirm the crane lift can be scheduled during the regular working hours and the parking lot can be blocked off.
  - a. Location of Crane will be determined at the precon meeting.

### **DRAWINGS**

#### **Mechanical:**

##### **Sheet M101:**

Correct Chilled Water Pump (CHWP)-2 to remain as existing, and revise CHWP-1 to be removed completely per revised demolition notes. Revised new floor plan to indicate CHWP-2 to remain as existing, and CHWP-1 to be a new pump with Variable Frequency Drive (VFD).

##### **Sheet M201:**

Correct Chiller Plant Diagram to match with floor plan.

## ADDENDUM NO.1

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MALUHIA HOSPITAL COOLING TOWER REPLACEMENT  
1207 Hala Drive  
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Maluhia Hospital

Sheet 1 of 2

February 19, 2026



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**Sheet M301:**

Revised Chilled Water Pump Schedule to show correct pump callout.

**Electrical:**

**Sheet E100:**

Revise demolition and new plan to match with mechanical changes.

**Sheet E200:**

Revised single line diagram to reference correct pump per mechanical changes.

**SUBSTITUTION REQUEST**

**CHWP-1:**

Plad Vis model VIS 4X4X13A 1CBF1 – Note Marking on Submittal. Ensure that manufacturer VFD includes line reactor, and pump shaft is constructed of stainless steel. Contractor shall make necessary adjustments to accommodate manufacturer suction diffuser and triple duty valve. No Exception Taken.

**CWP-1:**

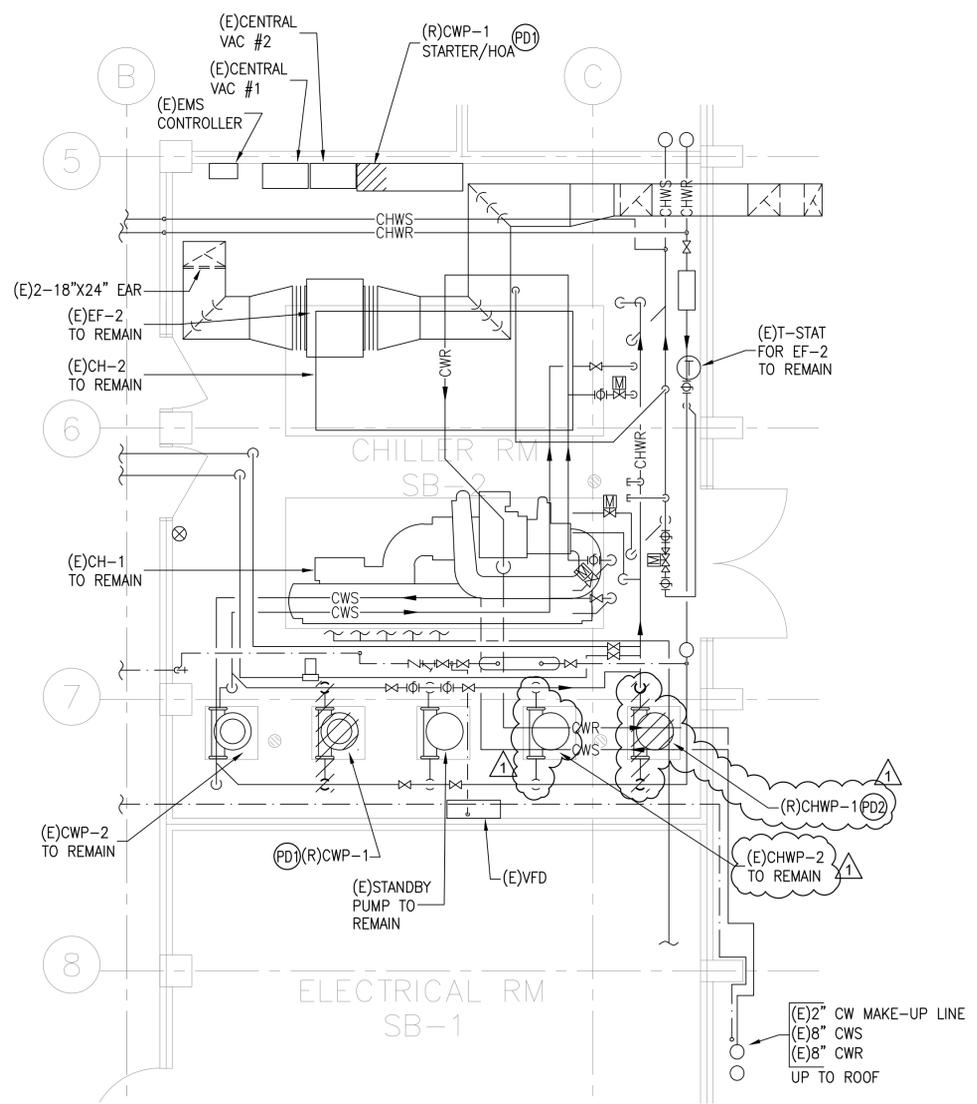
Plad Vis model VIS 4X4X13A 1CBF1 – Note Marking on Submittal. Ensure that the manufacturer pump shaft is constructed of stainless steel. Contractor shall make necessary adjustments to accommodate manufacturer suction diffuser and triple duty valve. No Exception Taken.

**ADDENDUM NO.1**

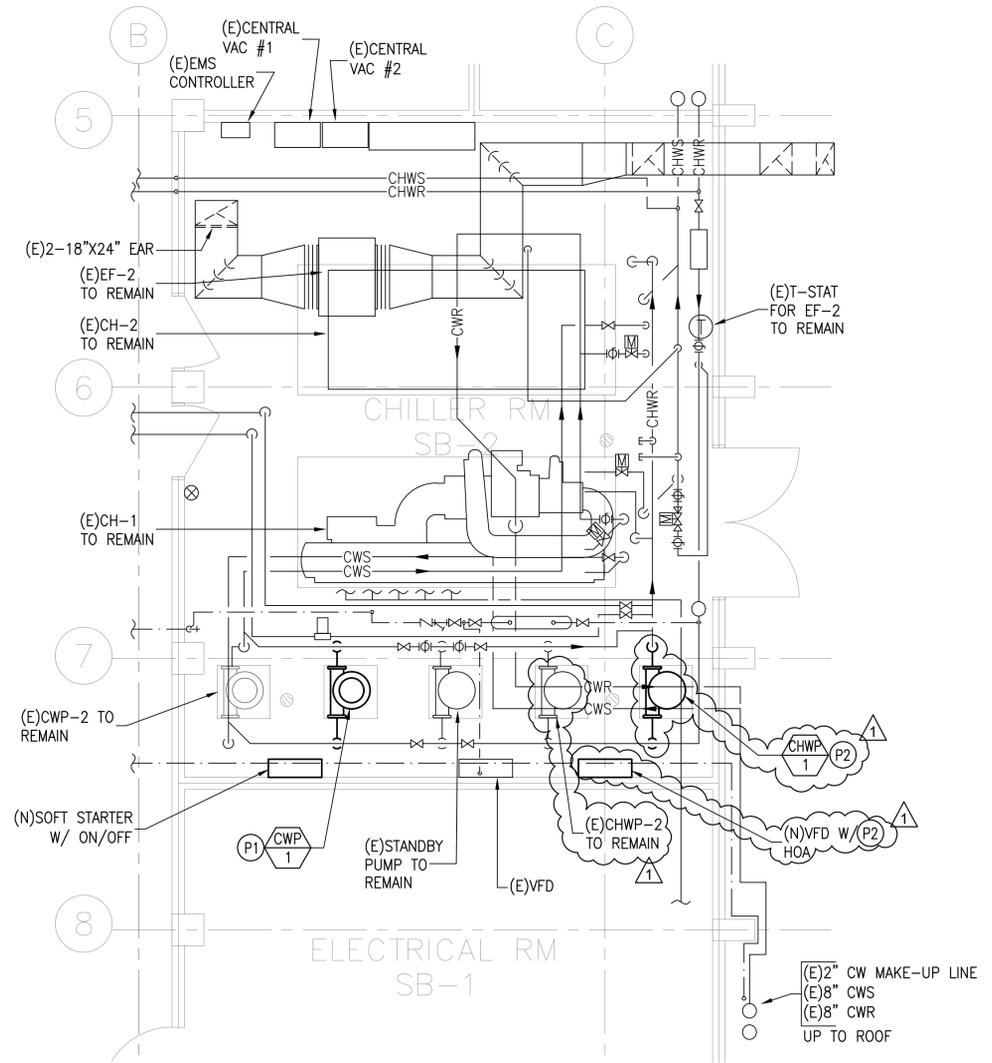
**MALUHIA HOSPITAL COOLING TOWER REPLACEMENT**  
1207 Hala Drive  
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Maluhia Hospital

Sheet 2 of 2

February 19, 2026



**1 SUB-BASEMENT MECHANICAL DEMOLITION PLAN**  
SCALE: 1/4" = 1' - 0"



**2 SUB-BASEMENT NEW MECHANICAL PLAN**  
SCALE: 1/4" = 1' - 0"

**MECHANICAL DEMOLITION NOTE**

- (PD1) REMOVE EXISTING CONDENSER WATER PUMP COMPLETE. INCLUDING BUT NOT LIMITED TO STRAINER, MOUNTS, ISOLATION PADS, FLEX CONNECTORS, CHECK VALVE, BUTTERFLY VALVE, STARTER/HOA, ETC. AND ASSOCIATED ACCESSORIES. EXISTING 6" CONDENSER WATER PIPING TO REMAIN FOR NEW POC AS SHOWN ON NEW MECHANICAL FLOOR PLAN. CONTRACTOR TO FIELD VERIFY.
- (PD2) REMOVE EXISTING CHILLED WATER PUMP COMPLETE. INCLUDING BUT NOT LIMITED TO STRAINER, MOUNTS, ISOLATION PADS, FLEX CONNECTORS, CHECK VALVE, BUTTERFLY VALVE, STARTER, ETC. AND ASSOCIATED ACCESSORIES. EXISTING 6" CHILLED WATER PIPING TO REMAIN FOR NEW POC AS SHOWN ON NEW MECHANICAL FLOOR PLAN. CONTRACTOR TO FIELD VERIFY.

**NEW MECHANICAL NOTE**

- (P1) PROVIDE NEW CONDENSER WATER PUMP COMPLETE. INCLUDING BUT NOT LIMITED TO STRAINER, MOUNTS, NEOPRENE ISOLATION PADS, FLEX CONNECTORS, CHECK VALVE, BUTTERFLY VALVE, SOFT STARTER/HOA, SUCTION DIFFUSER ETC. AND ASSOCIATED ACCESSORIES. EXISTING 6" CONDENSER WATER PIPING TO REMAIN FOR NEW POC AS SHOWN ON NEW MECHANICAL FLOOR PLAN. CONTRACTOR TO FIELD VERIFY.
- (P2) PROVIDE NEW CHILLED WATER PUMP COMPLETE. INCLUDING BUT NOT LIMITED TO STRAINER, MOUNTS, NEOPRENE ISOLATION PADS, FLEX CONNECTORS, CHECK VALVE, BUTTERFLY VALVE, VFD W/HOA, ETC. AND ASSOCIATED ACCESSORIES. EXISTING 6" CHILLED WATER PIPING TO REMAIN FOR NEW POC AS SHOWN ON NEW MECHANICAL FLOOR PLAN. CONTRACTOR TO FIELD VERIFY.

REVISIONS		DESCRIPTION
NO	DATE	2026/2/17
1		ADDENDUM 1

**MALUHIA HOSPITAL COOLING TOWER REPLACEMENT**  
1027 HALA DRIVE HONOLULU, HI 96817  
TMK: 1-6-009-004  
SUB-BASEMENT MECHANICAL PLANS

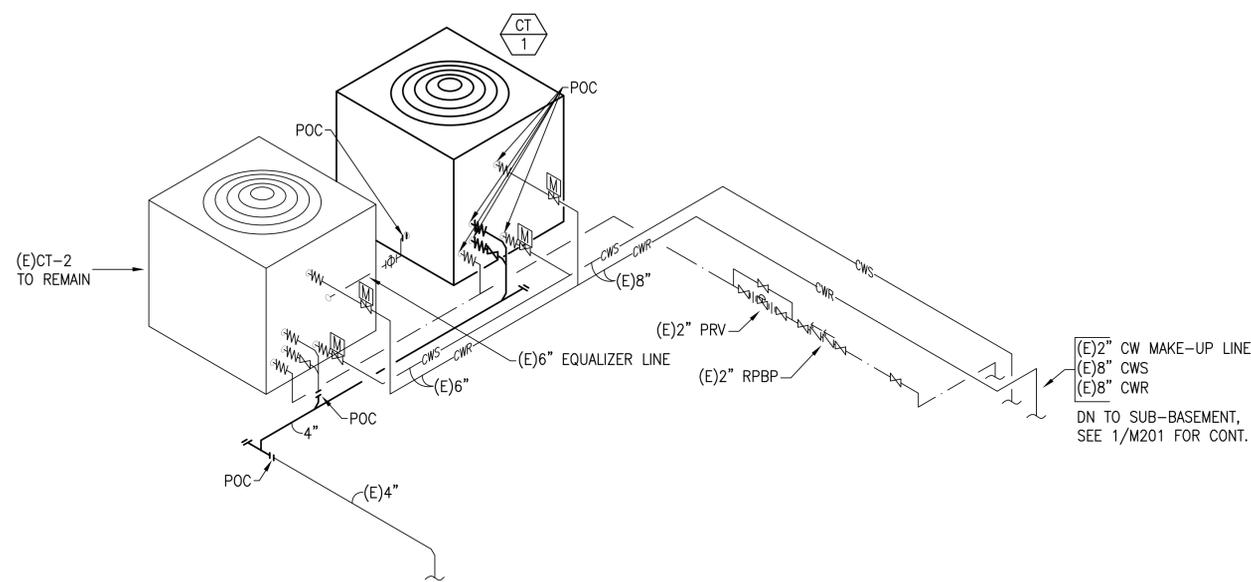
Project Number 2025.053	Date DECEMBER 2025
Drawn MEI	Checked RRT
Designed MEI	

Drawing Number  
**M101**

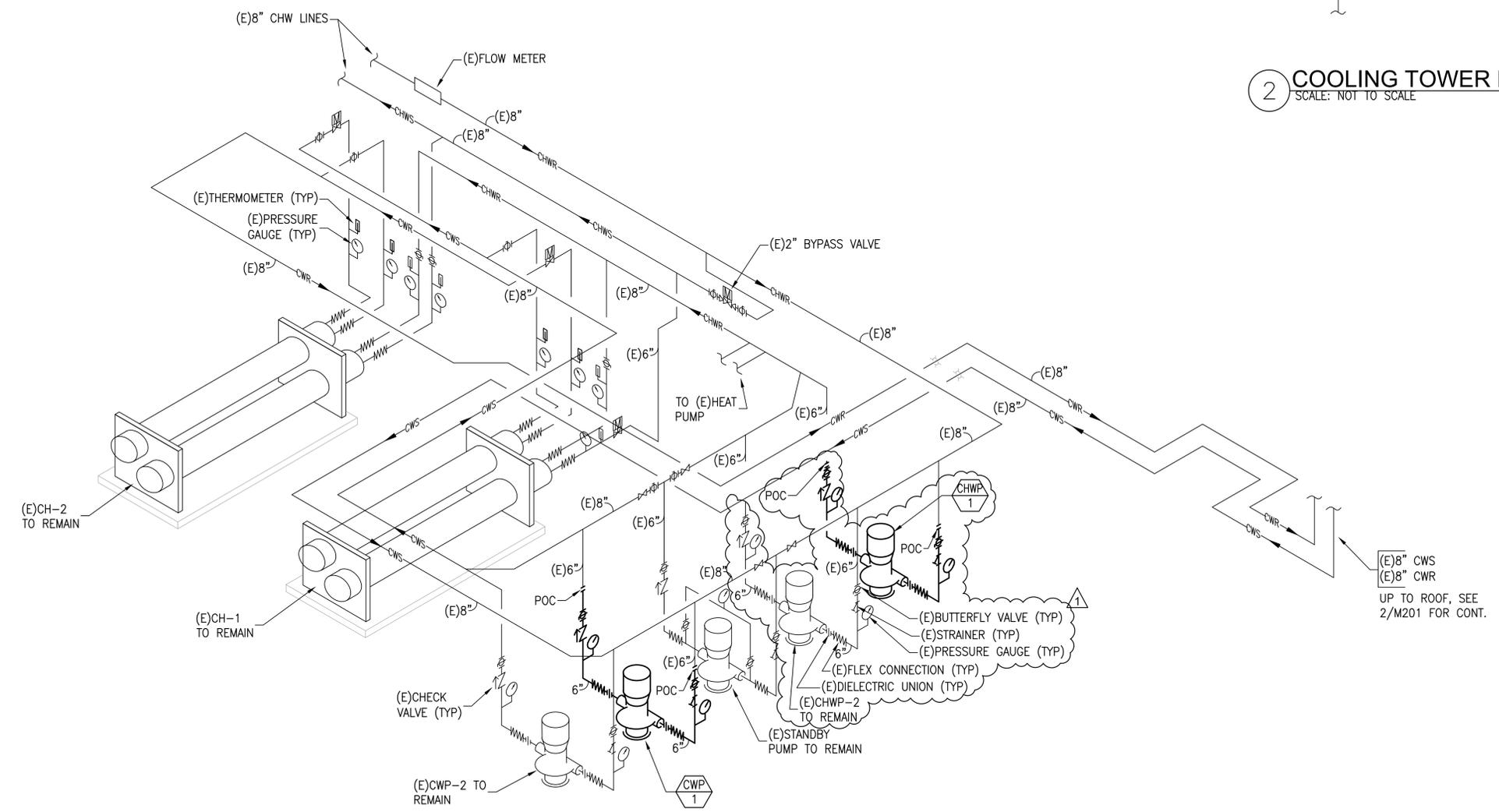


This work was prepared by me or under my supervision and construction of this project will be under my observation.

Expiration Date: 4-30-26



**2 COOLING TOWER PIPING DIAGRAM**  
 SCALE: NOT TO SCALE  
 ROOF



**1 CHILLER PLANT DIAGRAM**  
 SCALE: NOT TO SCALE  
 SUB-BASEMENT

NO	DATE	DESCRIPTION
1	2026/2/17	ADDENDUM 1

**MALUHIA HOSPITAL COOLING TOWER REPLACEMENT**  
 1027 HALA DRIVE HONOLULU, HI 96817  
 TMK: 1-6-009-004  
 CHILLER PLANT DIAGRAM

Project Number 2025.053	Date DECEMBER 2025
Drawn MEI	Checked RRT
Designed MEI	

Drawing Number  
**M201**  
 Sheet No. 7 of 14

# MECHANICAL EQUIPMENT SCHEDULE

PROVIDE MAGNETIC STARTER/DISCONNECTS WITH AUTOMATIC RESET FOR ALL UNITS. PROVIDE NEMA-4X STARTER ENCLOSURE FOR ALL OUTDOOR EQUIPMENT. ALL OUTDOOR EQUIPMENT SHALL HAVE POLYSILOXANE COATING PROTECTION ON INSIDE AND OUTSIDE OF HOUSING. COILS(CONDENSER) SHALL HAVE BLYGOLD POLUAL COATING. PROVIDE HORIZONTALLY AND VERTICALLY RESTRAINED SPRING ISOLATORS WITH NEOPRENE DIPPED SPRINGS AND GALV. HOUSINGS ON ALL EQUIPMENT. PROVIDE PLASTIC COATED CABLE SWAY BRACING ALL SUSPENDED EQUIPMENT. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL EQUIPMENT. PROVIDE S.S. BIRDSCREEN AT ALL NEW OA INTAKES.

## COOLING TOWER SCHEDULE

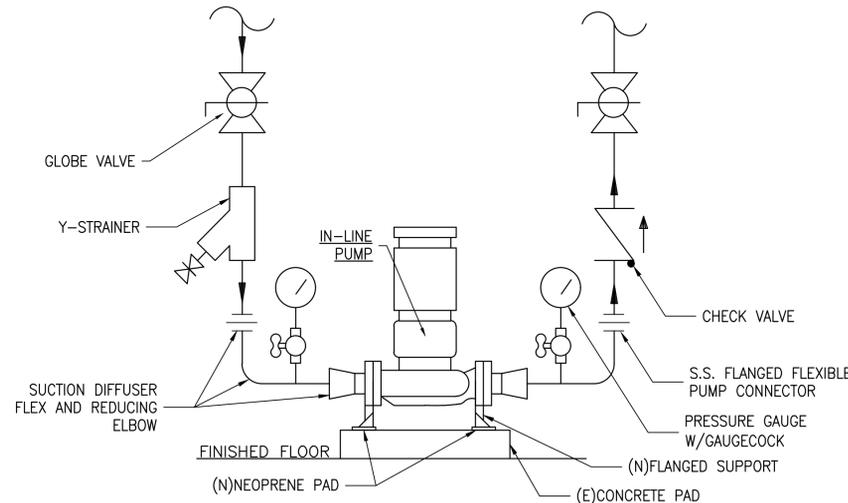
UNIT	MANUFACTURER/ MODEL	TYPE	TOTAL HEAT REJECTION (MBH)	GPM	EWT/LWT	NO. OF FANS	NO. OF FAN MOTORS	FAN MOTOR HP	AIR FLOW (CFM)	WATER INLET P.D. (PSI)	EVAP. WATER RATE (GPM)	ELECTRICAL			OPR WT (LBS)	REMARKS
												V	φ	Hz		
CT 1	EVAPCO At 19-218	INDUCED DRAFT CROSSFLOW	2,250	450	95/85	1	1	10	39,200	2.8	3.6	460	3	60	6,490	PROVIDE WITH VFD COMPATIBLE PREMIUM EFFICIENCY INVERTER DUTY MOTOR, VIBRATION ISOLATORS, TAPERED DISCHARGE HOOD, EQUALIZER PORTS, STAINLESS STEEL BASIN, CASING AND FRAMING. ALUMINUM FAN BLADES. PROVIDE HOA CONTROLS IN NEMA 4X WEATHERPROOF ENCLOSURE WITH VARIABLE FREQUENCY DRIVE SERVING FAN WITH LINEAR REACTOR. CONTROLS SHALL CONNECT TO ASSOCIATED CHILLER. CONTRACTOR TO FIELD VERIFY PUMP, COOLING TOWER AND CHILLER CONTROLS.

## CONDENSER WATER PUMP SCHEDULE

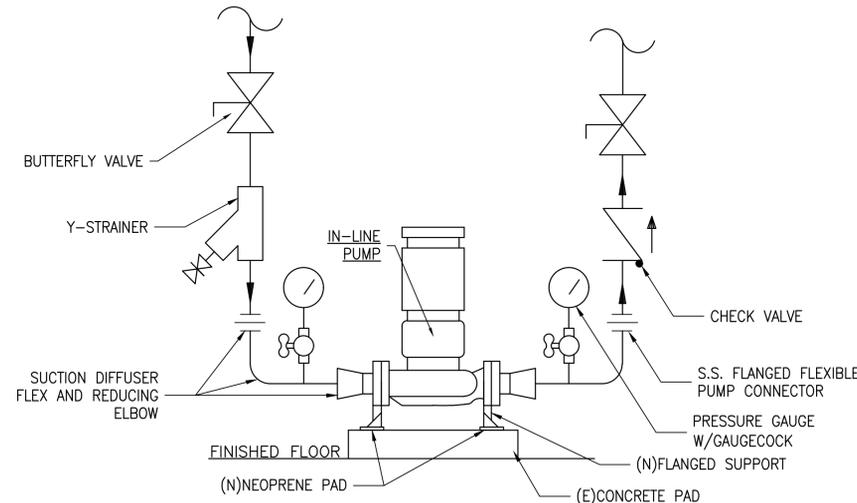
UNIT NO	MANUFACTURER & MODEL OR APPROVED EQUAL	SERVICE	TYPE	GPM	TOTAL DYNAMIC HEAD FT	IMPELLER DIA. (INCHES)	SUCT SIZE INCHES	DISCH SIZE INCHES	MIN EFF PERCENT	RPM	HP	VOLTS	φ	REMARKS
CWP 1	BELL & GOSSETT E-80SC 4X4X7B	CONDENSER WATER LOOP	IN-LINE CENTRIFUGAL	450	160	6.75	4.0	4.0	72.7%	3,550	30	460	3	PROVIDE WITH SOFT STARTER WITH WALL MOUNTED SUPPORTS AND NEOPRENE PADS FOR PUMP MOUNTS. PROVIDE NEMA PREMIUM EFFICIENCY MOTOR. PROVIDE CONTROLS AND INTERFACE WITH STANDALONE CHILLER CONTROLS. CONTRACTOR TO FIELD VERIFY PUMP, COOLING TOWER AND CHILLER CONTROLS.

## CHILLED WATER PUMP SCHEDULE

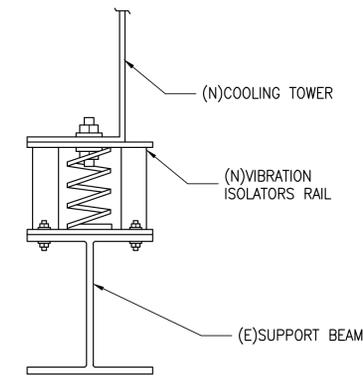
UNIT NO	MANUFACTURER & MODEL OR APPROVED EQUAL	SERVICE	TYPE	GPM	TOTAL DYNAMIC HEAD FT	SUCT SIZE INCHES	DISCH SIZE INCHES	MIN EFF PERCENT	RPM	HP	VOLTS	φ	REMARKS
CHWP 1	BELL & GOSSETT E-80SC 4X4X9.5B	CHW PRIMARY LOOP	IN-LINE CENTRIFUGAL	360	85	4.0	4.0	75	1800	15	460	3	PROVIDE WITH VFD WITH LINEAR REACTOR WITH WALL MOUNTED SUPPORTS AND NEOPRENE PAD FOR PUMP MOUNTS. PROVIDE INVERTER DUTY NEMA PREMIUM EFFICIENCY MOTOR. PROVIDE CONTROLS AND INTERFACE WITH NEW STANDALONE CHILLER CONTROLS. CONTRACTOR TO FIELD VERIFY PUMP, COOLING TOWER AND CHILLER CONTROLS.



1 M301 VERTICAL IN-LINE PUMP DETAIL NOT TO SCALE CONDENSER WATER

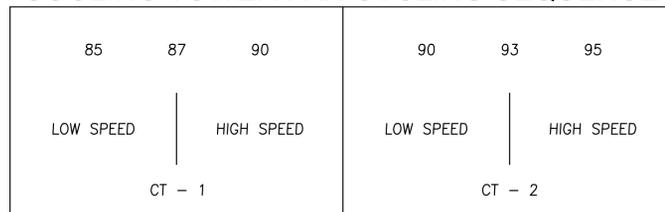


2 M301 VERTICAL IN-LINE PUMP DETAIL NOT TO SCALE CHILLED WATER



3 M301 COOLING TOWER SUPPORT (REFERENCE ONLY) NOT TO SCALE

## COOLING TOWER FAN CYCLING SEQUENCE



**NOTE:**

1. PROVIDE MANUAL ALTERNATING CONTROL FOR CT-1
2. CT IS CONTROLLED BY EXISTING CHILLER ON-BOARD CONTROLLER.
3. CONTRACTOR SHALL FIELD VERIFY CONTROL.

4 M301 COOLING TOWER SEQUENCE NOT TO SCALE



Mechanical & Fire Protection Engineers  
501 Sumner Street, Ste. 503, Honolulu, Hawaii 96817  
Phone: (808) 591-9038  
Fax: (808) 596-7356



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Expiration Date: 4-30-26

REVISIONS	DESCRIPTION	DATE
NO	1	2026/2/17
	ADDENDUM 1	

MALUHIA HOSPITAL COOLING TOWER REPLACEMENT  
1027 HALA DRIVE HONOLULU, HI 96817  
TMK: 1-6-009-004

MECHANICAL SCHEDULE AND DETAILS

Project Number 2025.053	Date DECEMBER 2023	
Drawn MEI	Checked RRT	Designed MEI

Drawing Number

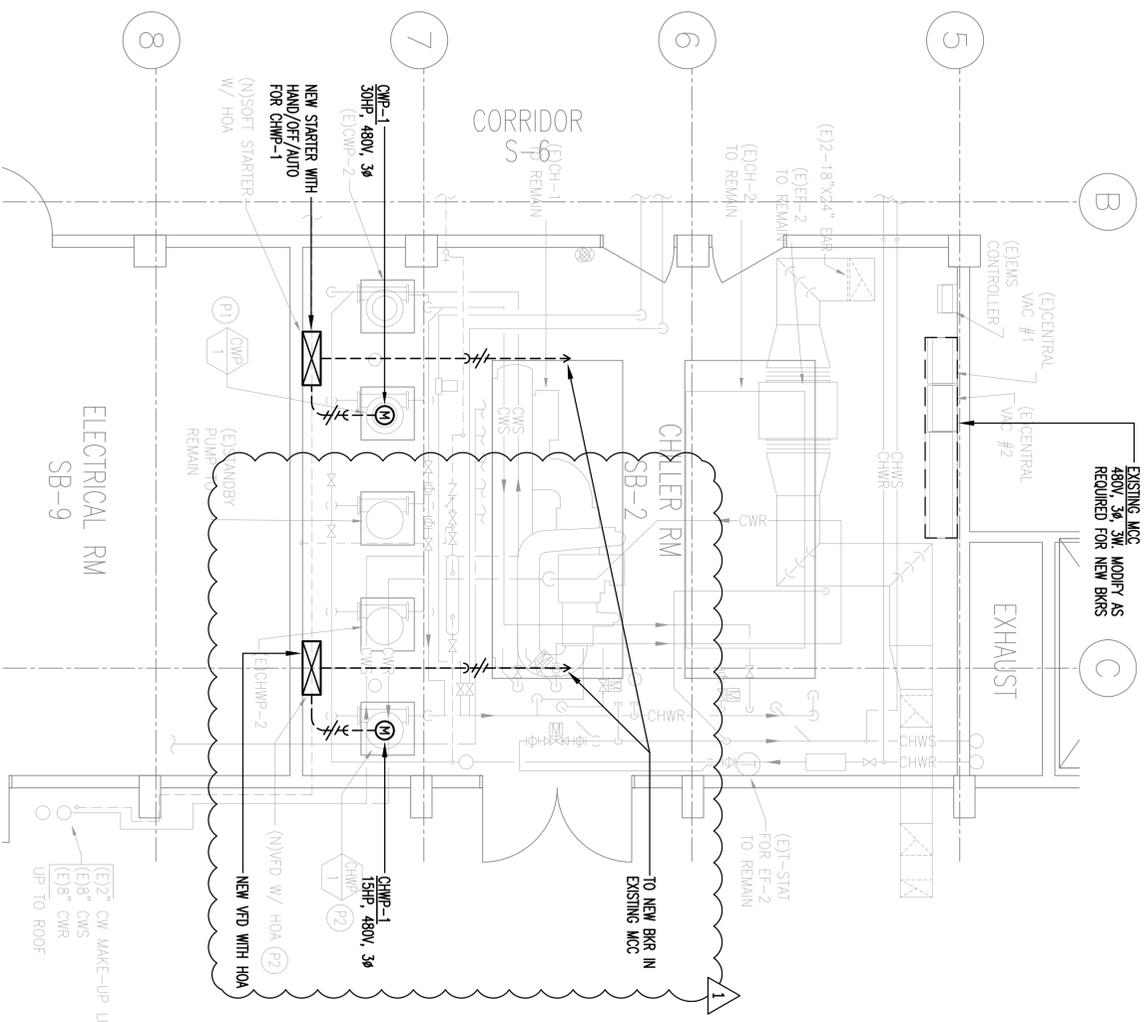
M301

REVISIONS		
NO	DATE	DESCRIPTION
1	2026/2/17	ADDENDUM 1

**MALUHIA HOSPITAL COOLING TOWER REPLACEMENT**  
 1027 HALA DRIVE HONOLULU, HI 96817  
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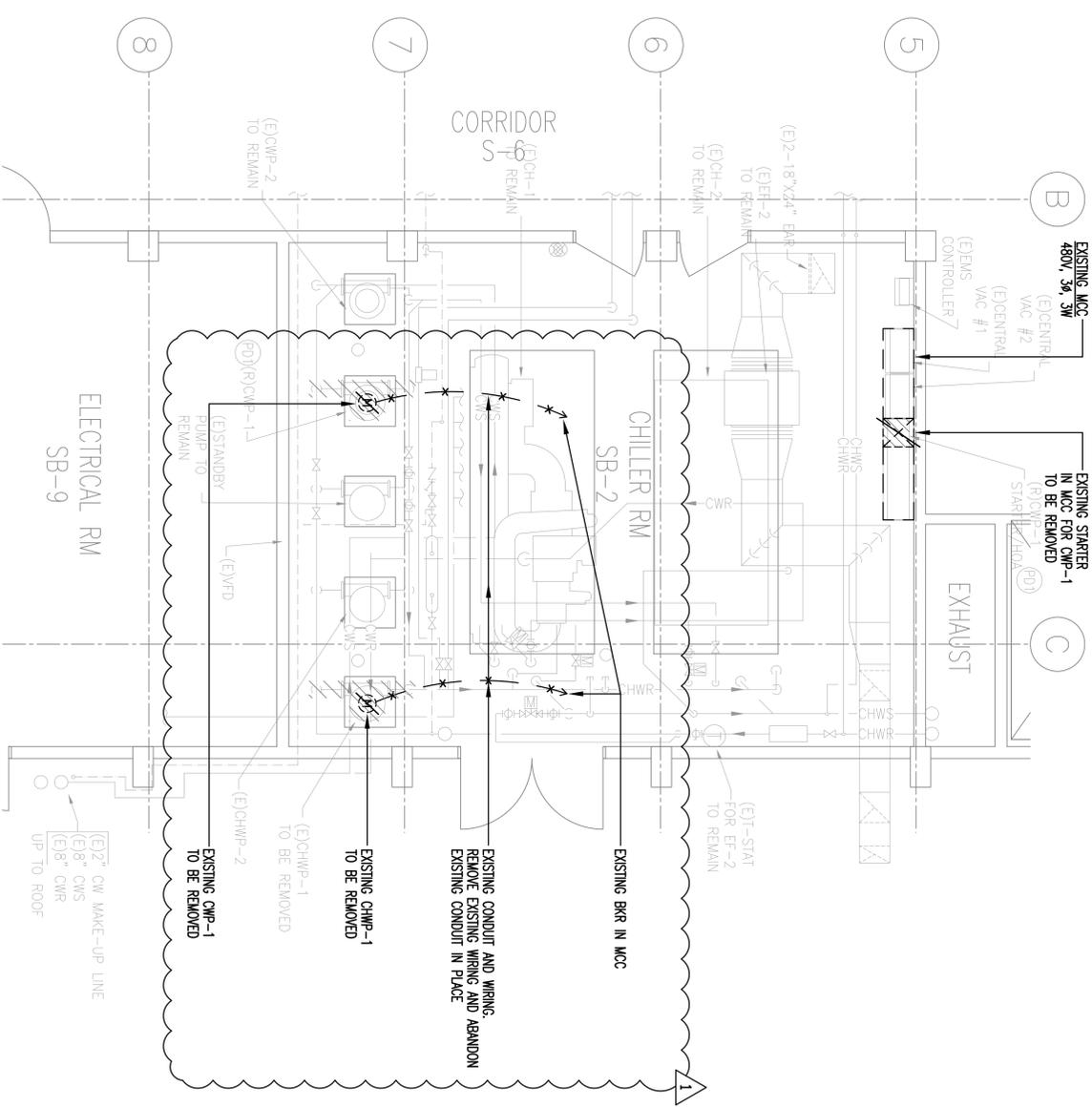
PARTIAL SUB-BASEMENT ELECTRICAL PLANS - DEMOLITION AND NEW WORK

Project Number 2025.053	Date DECEMBER 2025
Drawn JM	Checked JY
Designed JY	



NOTES:  
 1. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.

**2 PARTIAL SUB-BASEMENT ELECTRICAL PLAN - NEW WORK**  
 SCALE : 1/4"=1'-0"



**1 PARTIAL SUB-BASEMENT ELECTRICAL DEMOLITION PLAN**  
 SCALE : 1/4"=1'-0"

Expiration Date: 4-30-26

**JASON YONG**  
 LICENSED PROFESSIONAL ENGINEER  
 No. 90822-E

*Jason Yong*  
 I warrant that the work was prepared by me or under my direct supervision and I am a duly licensed professional engineer in the State of Hawaii.

REVISIONS		
NO	DATE	DESCRIPTION
1	2026/2/17	ADDENDUM 1

**MALUHIA HOSPITAL COOLING TOWER REPLACEMENT**  
 1027 HALA DRIVE HONOLULU, HI 96817  
 TMK: 1-6-009-004

SINGLE LINE DIAGRAMS - DEMOLITION AND NEW WORK

Project Number: 2025.053  
 Date: DECEMBER 2025

Drawn: JM  
 Checked: JY  
 Designed: JY

