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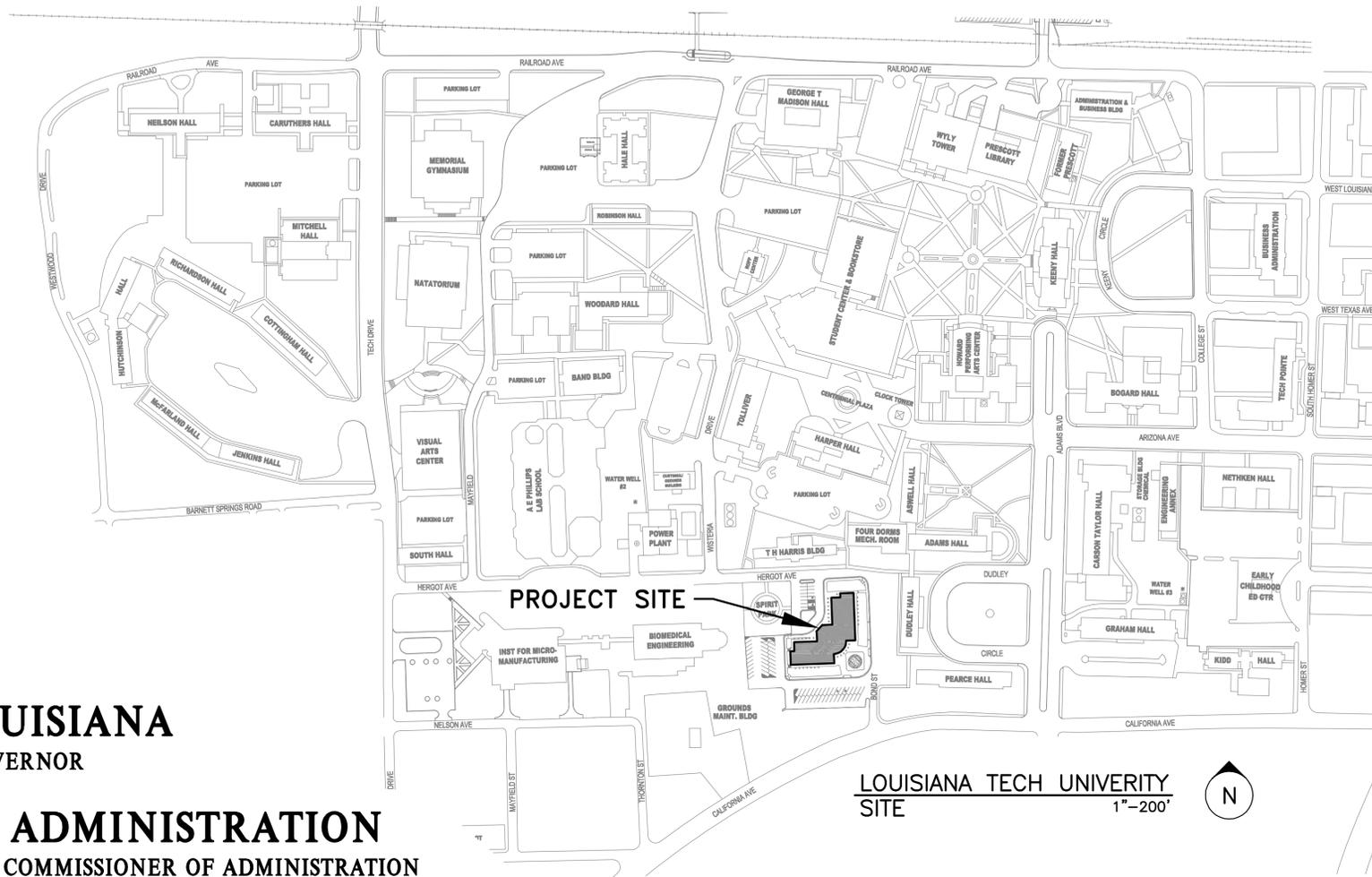
**Davison Hall Chiller Replacements 01-107-24-05**  
LAGC Plan Room - North

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)

10-Feb-2026 03:49:27 PM

# DAVISON HALL CHILLER REPLACEMENTS LOUISIANA TECH UNIVERSITY

RUSTON, LOUISIANA  
STATE PROJECT NO.01-107-24-05 SCHEDULE NO.535  
WBS NO.F.01004736  
JANUARY 15, 2026



STATE OF LOUISIANA  
JEFF LANDRY GOVERNOR

DIVISION OF ADMINISTRATION  
TAYLOR F. BARRAS COMMISSIONER OF ADMINISTRATION

FACILITY PLANNING AND CONTROL  
MATTHEW BAKER DIRECTOR

JOHN J. GUTH ASSOCIATES, INC.  
CONSULTING ENGINEERS  
SHREVEPORT, LOUISIANA



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ENGINEER JOHN C. WILSON, P.E.  
LICENSE NO. 19008

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Sheet Name

COVER SHEET

Job number 25-140  
Date JANUARY 15, 2026  
Designed by JCW  
Drawn by MAD

CS1

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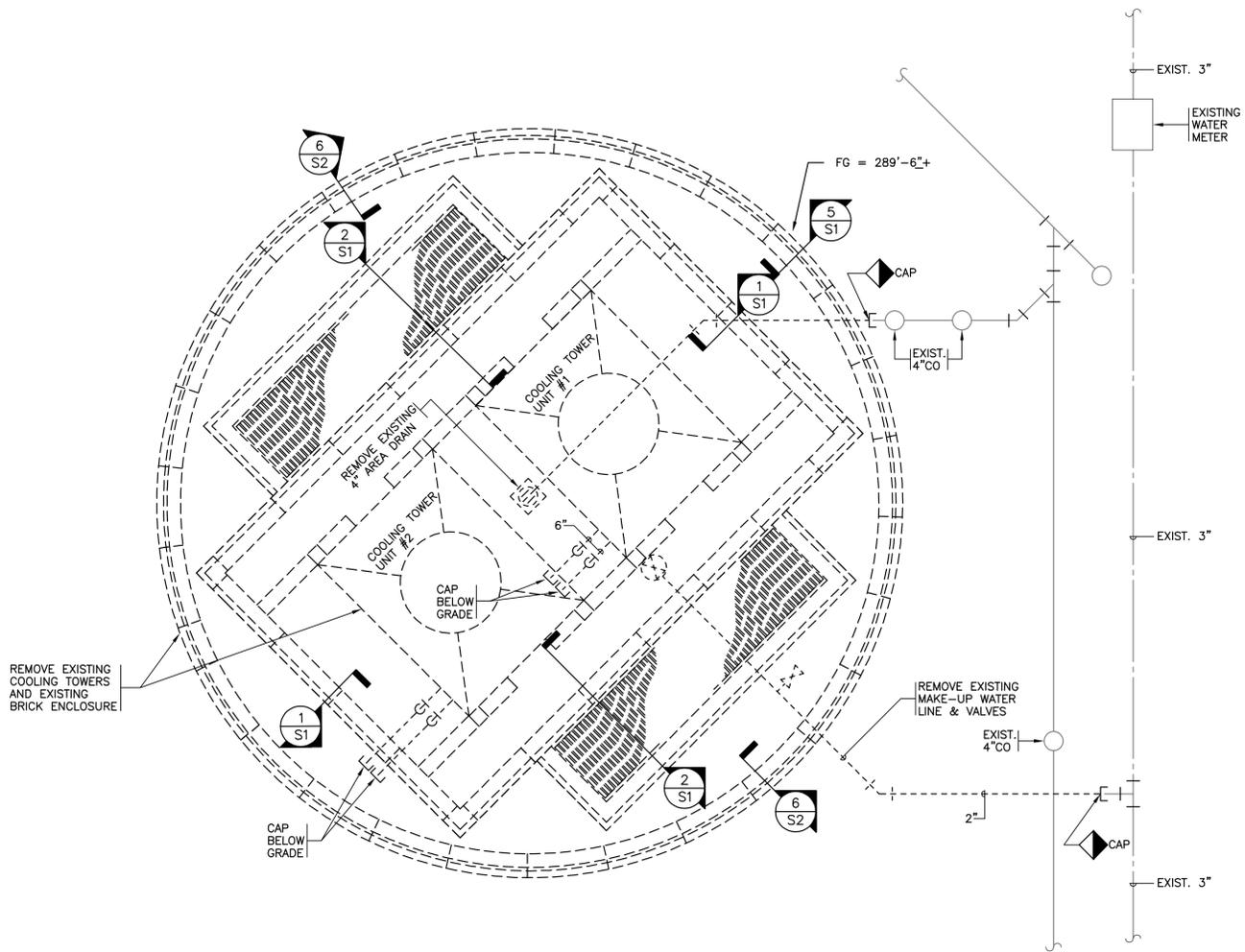
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**ADDITIVE ALTERNATE  
NO.1  
ARCHITECTURAL  
DEMOLITION**

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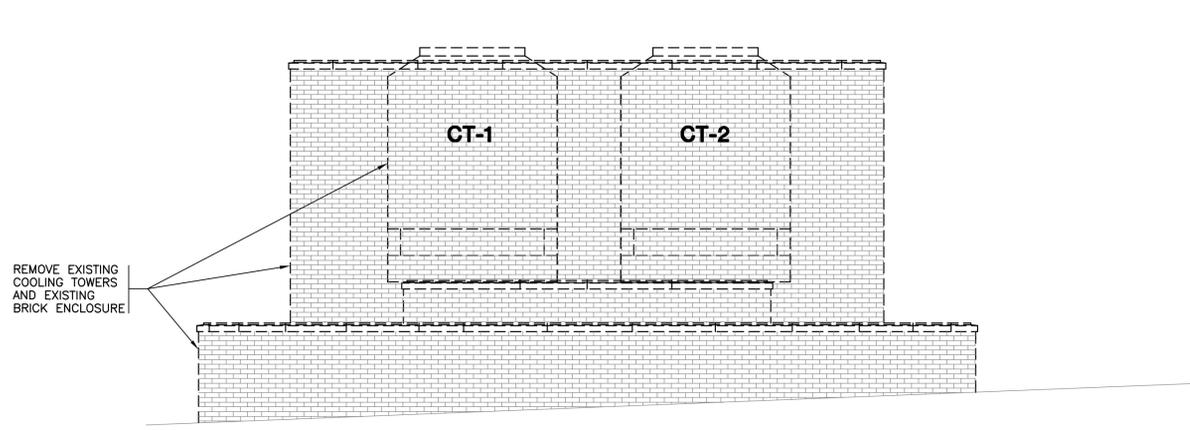
**A1**

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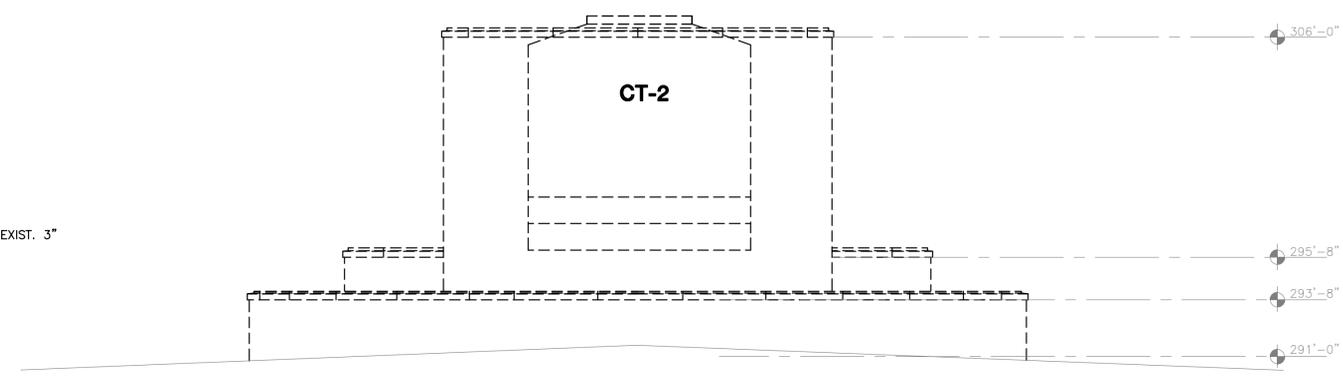
**1 COOLING TOWER PLAN**

SCALE: 1/4"=1'-0"



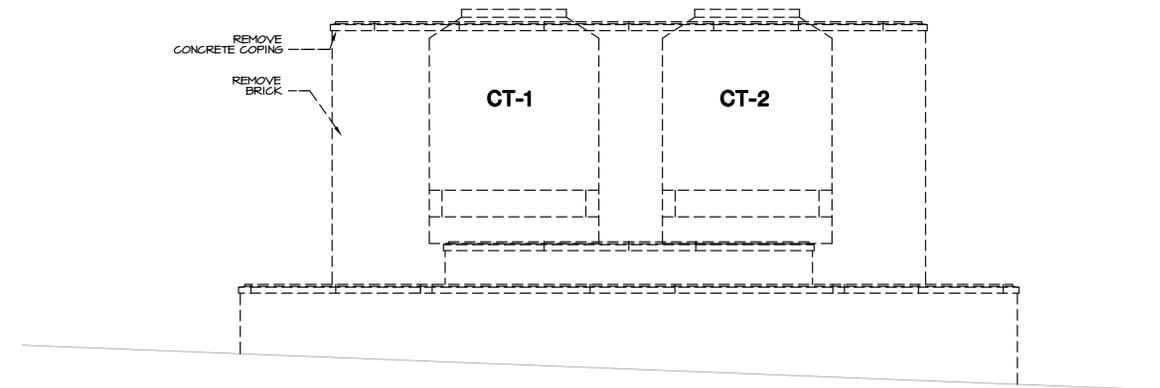
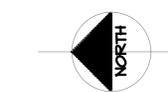
**2 NORTH EAST ELEVATION**

SCALE: 1/4"=1'-0"



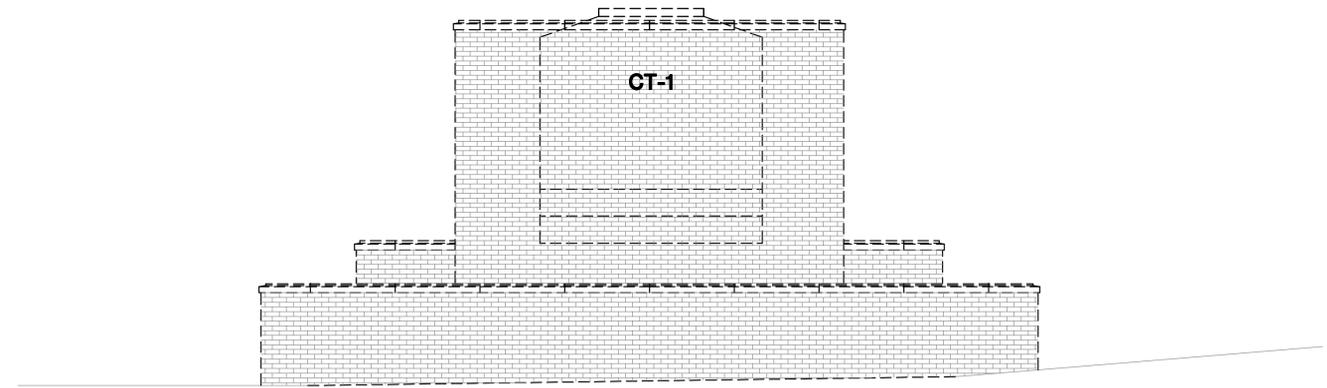
**3 NORTH WEST ELEVATION**

SCALE: 1/4"=1'-0"



**4 SOUTH WEST ELEVATION**

SCALE: 1/4"=1'-0"



**5 SOUTH EAST ELEVATION**

SCALE: 1/4"=1'-0"

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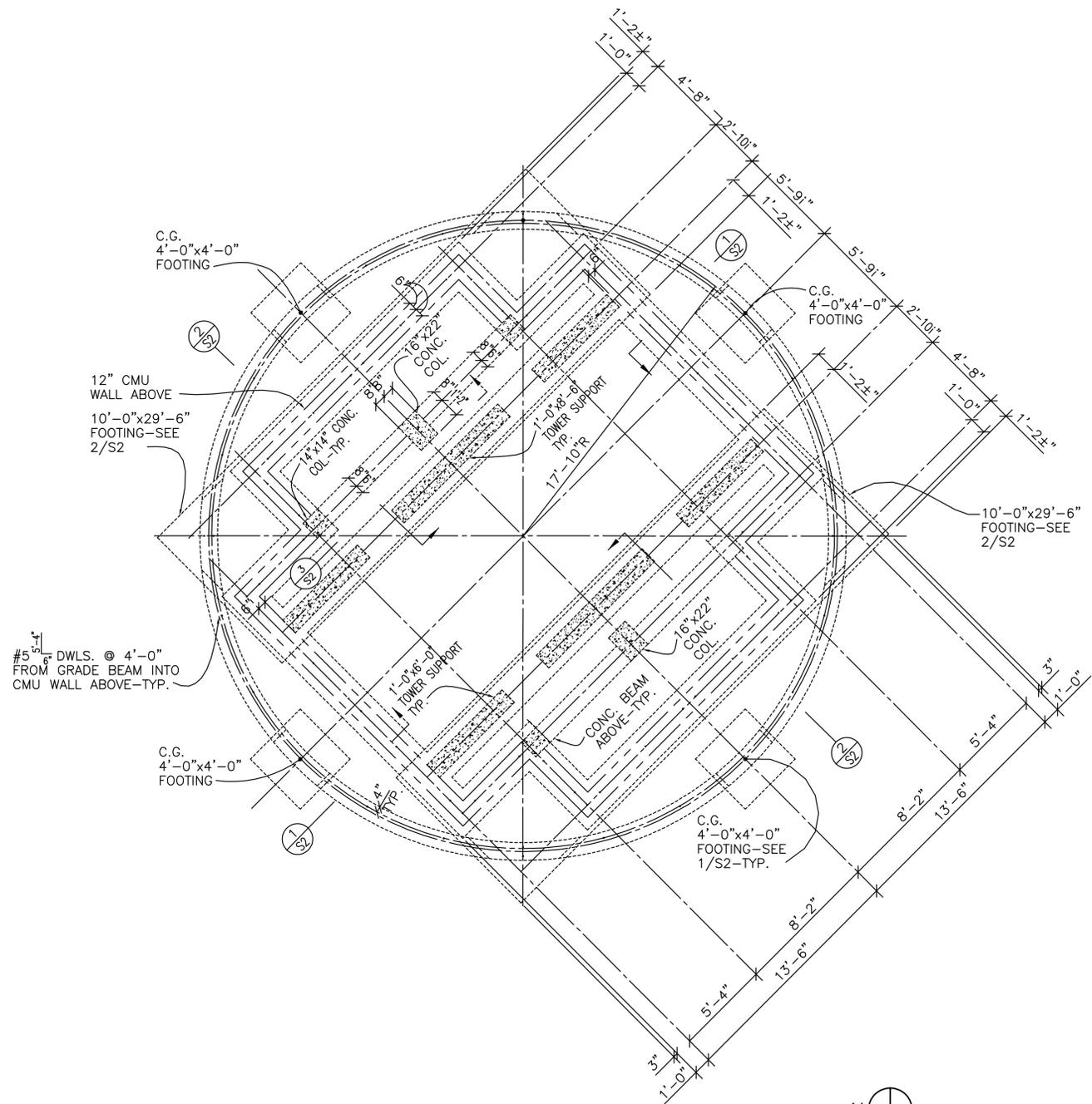
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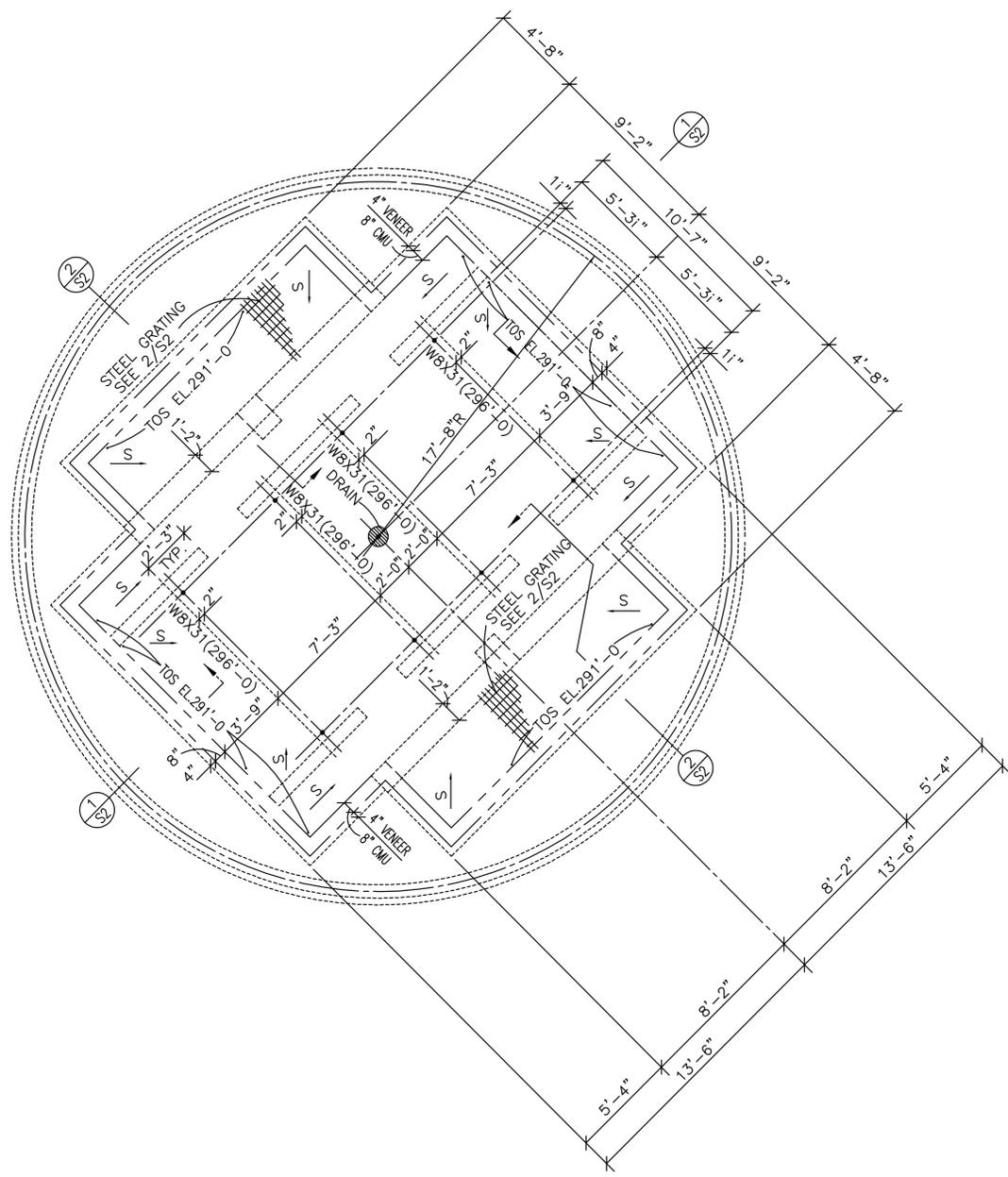
FIRM  
REGISTRATION  
NUMBERS



### COOLING TOWER FOUNDATION FRAMING PLAN

1/4"=1'-0"

REMOVE EXISTING COOLING TOWER STRUCTURAL FOUNDATION AND FRAMING.



### COOLING TOWER FRAMING PLAN

1/4"=1'-0"

REMOVE EXISTING COOLING TOWER STRUCTURAL FOUNDATION AND FRAMING.

DATE: DRAWING LAST PLOTTED: 01/15/26 TIME: 09:25:39

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Sheet Name  
**ADDITIVE ALTERNATE NO.1 STRUCTURAL DEMOLITION**

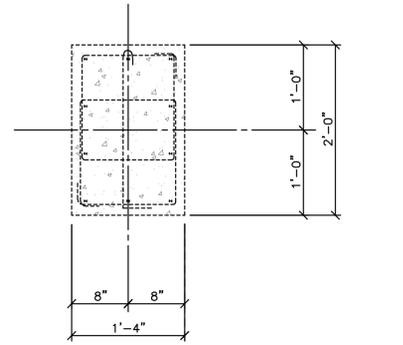
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# S1

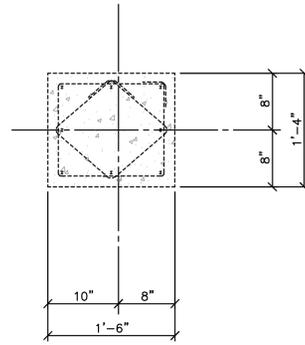
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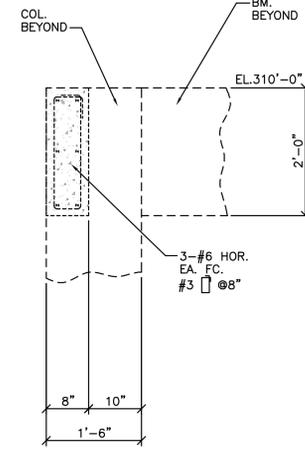
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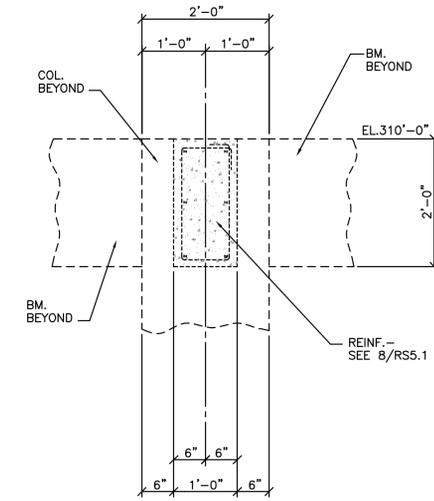
6 DETAIL- 16"x24" COLUMN  
S2 1"=1'-0"



7 DETAIL- 16"x18" COLUMN  
S2 1"=1'-0"



8 SECTION  
S2 1"=1'-0"



9 SECTION  
S2 1"=1'-0"

EXISTING DETAILS & SECTIONS ARE FOR DEMOLITION REFERENCE.

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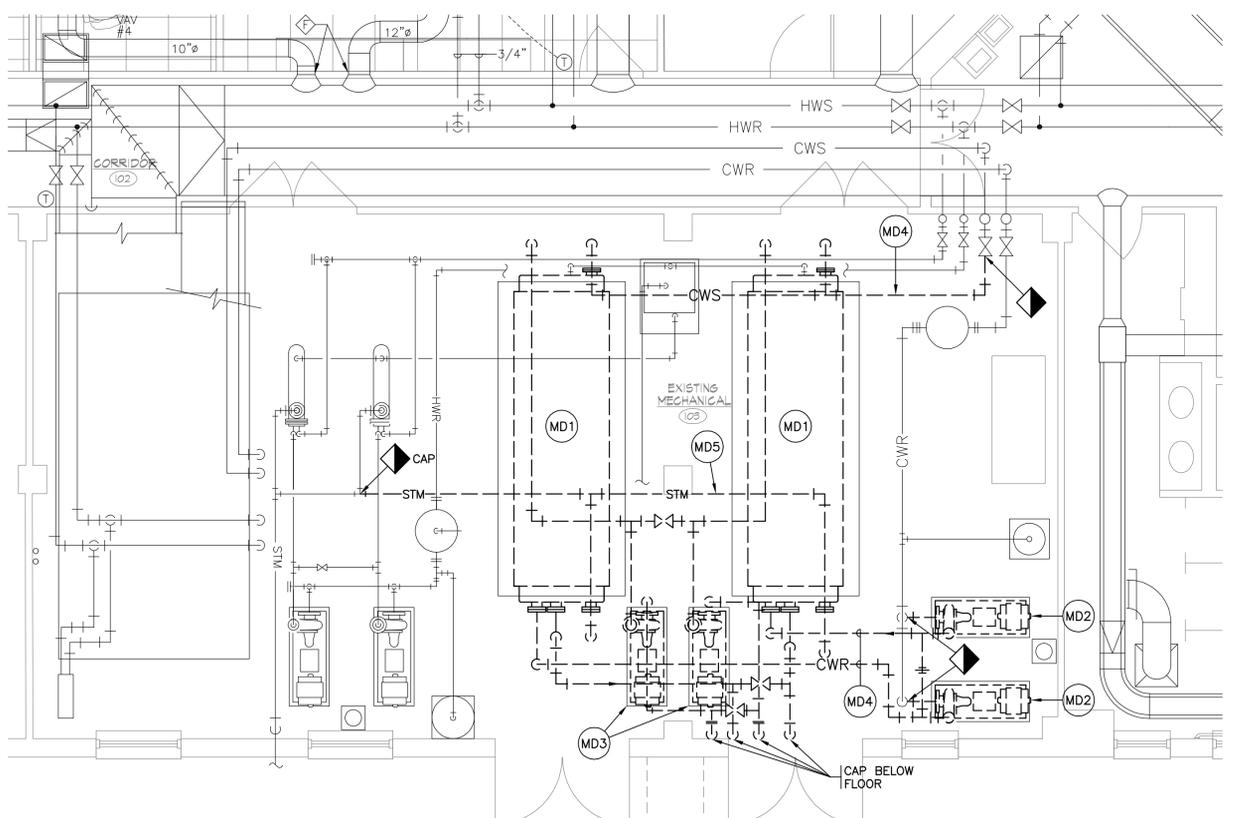
Sheet Name

PARTIAL FIRST FLOOR PLAN - MECHANICAL DEMO. & RENO.

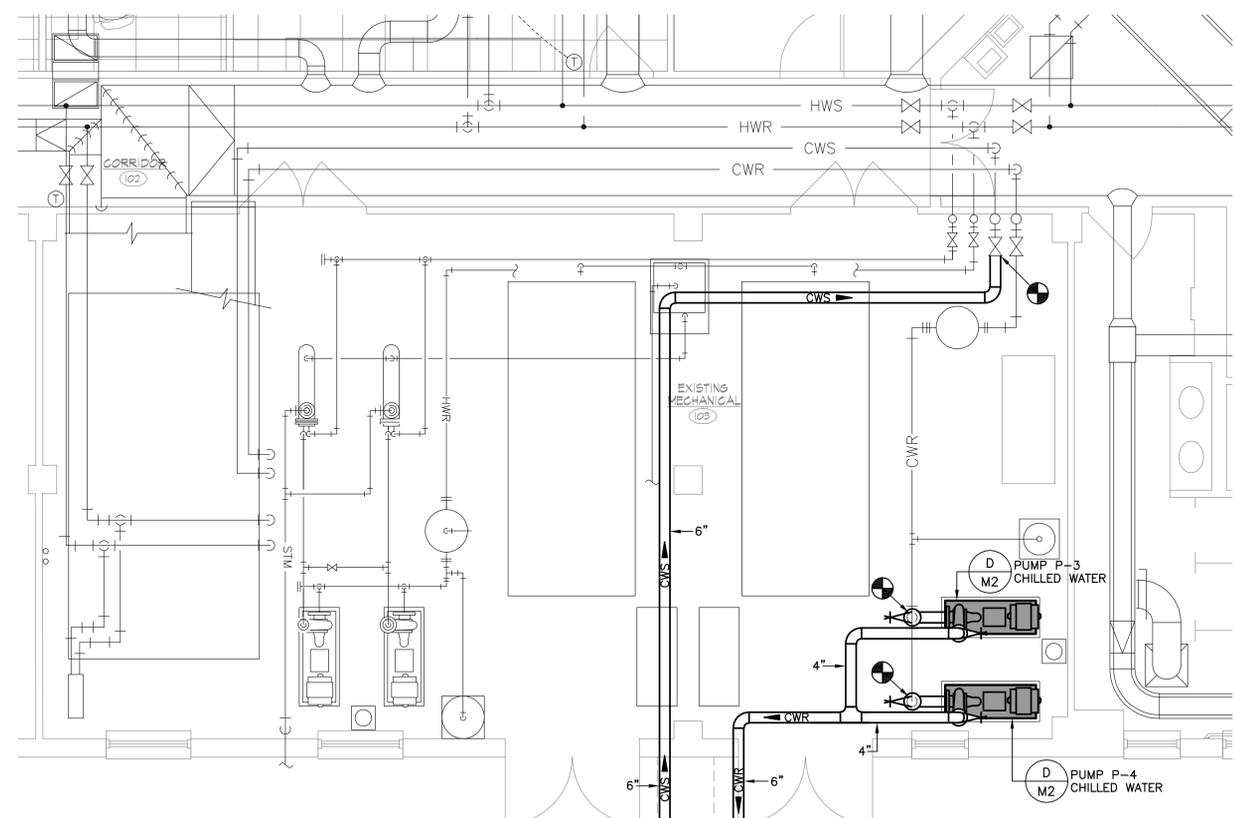
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M1

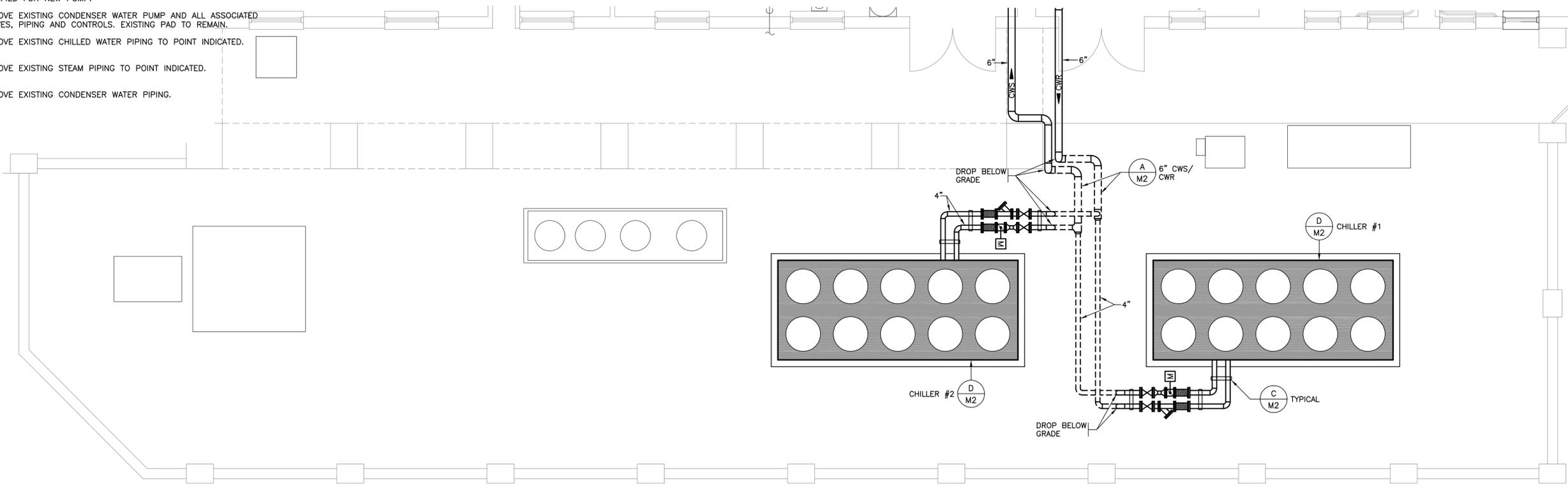


PARTIAL FIRST FLOOR PLAN MECHANICAL DEMOLITION 1/4"=1'-0" SCALE: 1/4 INCH = 1 FOOT



PARTIAL FIRST FLOOR PLAN MECHANICAL RENOVATION 1/4"=1'-0" SCALE: 1/4 INCH = 1 FOOT

- MECHANICAL DEMOLITION NOTES:
- MD1 REMOVE EXISTING STEAM ABSORPTION CHILLER AND ALL ASSOCIATED CHILLED WATER PIPING, CONTROLS, AND SUPPORTS. EXISTING CONCRETE PAD TO REMAIN.
  - MD2 REMOVE EXISTING CHILLED WATER PUMP AND ALL ASSOCIATED VALVES, PIPING AND CONTROLS. EXISTING CONCRETE PAD TO REMAIN AND BE MODIFIED FOR NEW PUMP.
  - MD3 REMOVE EXISTING CONDENSER WATER PUMP AND ALL ASSOCIATED VALVES, PIPING AND CONTROLS. EXISTING PAD TO REMAIN.
  - MD4 REMOVE EXISTING CHILLED WATER PIPING TO POINT INDICATED.
  - MD5 REMOVE EXISTING STEAM PIPING TO POINT INDICATED.
  - MD6 REMOVE EXISTING CONDENSER WATER PIPING.



PARTIAL FIRST FLOOR PLAN MECHANICAL RENOVATION 1/4"=1'-0" SCALE: 1/4 INCH = 1 FOOT

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	AIR COOLED	CHILLER	SCHEDULE
MARK		CH - 1	CH - 2
LOCATION		CHILLER YARD	CHILLER YARD
SERVICE		BLDG	BLDG
TYPE		SCROLL AIR COOLED	SCROLL AIR COOLED
REFRIGERANT TYPE		R 32	R 32
CAPACITY	TONS	150.5	150.5
MIN EER		10.54	10.54
IPLV		15.74	15.74
<b>EVAPORATOR</b>			
ENTERING WATER TEMPERATURE	F	54	54
LEAVING WATER TEMPERATURE	F	44	44
FOULING FACTOR		0.0001	0.0001
WATER FLOW	GPM	360.2	360.2
WATER PRESSURE DROP	FT WG	11.3	11.3
WATER FLOW RANGE (MIN/MAX)	GPM	192.0/528.0	192.0/528.0
<b>COMPRESSORS</b>			
AMBIENT TEMPERATURE	F	95	95
COMPRESSOR NUMBER		4	4
COMPRESSOR TYPE		SCROLL	SCROLL
VARIABLE FREQUENCY DRIVE		NO	NO
<b>ELECTRICAL</b>			
SINGLE POINT CONNECTION		YES	YES
VOLTS / PHASE		460 / 3	460 / 3
MCA		322	322
OCPPD		350	350
APPROX OPERATING WEIGHT	LBS	7,500	7,500
APPROX DIMENSIONS (L x W x H)	FT	212"L X 99"H X 88"W	212"L X 99"H X 88"W
MANUFACTURER		DAIKIN	DAIKIN
MODEL NUMBER		AGZ010F	AGZ010F
REMARKS		1,2,3,4	1,2,3,4

1. PROVIDE DDC CONTROLS
2. PROVIDE EVAPORATOR WATER FLOW INDICATOR
3. PROVIDE ENTIRE UNIT, LABOR, PARTS AND REFRIGERANT WARRANTY FOR 5 YEARS
4. SEE SPECIFICATIONS FOR ADDITIONAL APPROVED MANUFACTURERS

PIPE AND FITTING MATERIAL SCHEDULE				
SERVICE	PIPE MATERIAL	JOINT TYPE	FITTING MATERIAL	REMARKS
CHILLED WATER PIPING	SCHEDULE 40 BLACK STEEL ASTM A-53	SCREWED THRU 2" WELD ALL LARGER PIPE	MALLEABLE SCREWED TYPE & BUTT WELD STEEL WHERE REQUIRED	FOR EXTERIOR SEE SPECIFICATIONS
CHILLER DRAIN PIPING	SCHEDULE 40 BLACK STEEL ASTM A-53	SCREWED THRU 2" WELD ALL LARGER PIPE	MALLEABLE SCREWED TYPE & BUTT WELD STEEL WHERE REQUIRED	FOR EXTERIOR SEE SPECIFICATIONS

PUMP SCHEDULE							
NO	SERVICE	GPM	HEAD	RPM	HP	VOLTAGE	REMARKS
1	CHILLED WATER	380	100	1750	20	460V-3Ø	END SUCTION CENTRIFUGAL-BASE MTD
2	CHILLED WATER	380	100	1750	20	460V-3Ø	END SUCTION CENTRIFUGAL-BASE MTD

AIR CONDITIONING SYMBOLS	
SYMBOL	DESCRIPTION
	NEW CHILLED WATER SUPPLY
	NEW CHILLED WATER RETURN
	GATE VALVE
	SQUARE HEAD BALANCING COCK
	CHECK VALVE
	AUTOMATIC CONTROL VALVE
	BUTTERFLY VALVE
	FLOAT & THERMOSTATIC TRAP
	THERMOMETER
	WATER PRESSURE GAUGE WITH COCK
	ELBOW DOWN, ELBOW UP
	TEE DOWN, TEE UP
	CONCENTRIC REDUCER, ECCENTRIC REDUCER
	UNION
	STRAINER (WITH DRAIN VALVE)
	FLEXIBLE CONNECTOR
	AIR ELIMINATOR OR AIR VENT
	P.T.P.
	DETAIL DESIGNATION
	SHEET WHERE DETAIL IS LOCATED
	POINT OF CONNECTION EXISTING TO NEW
	POINT OF TERMINATION OF DEMOLITION

**EST. 1960**

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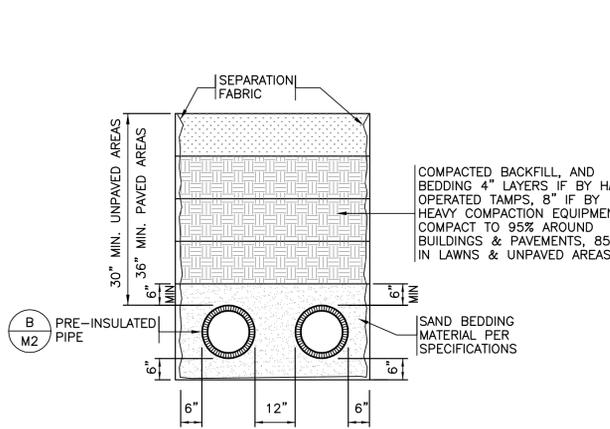
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**MECHANICAL DETAILS & SCHEDULES**

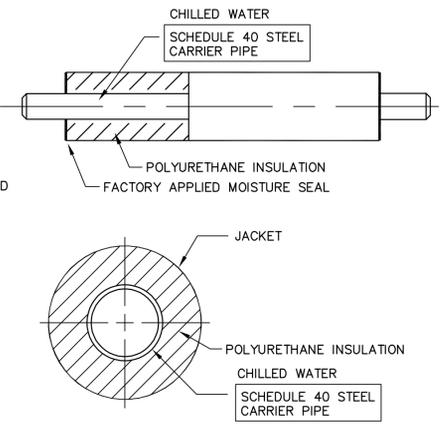
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M2

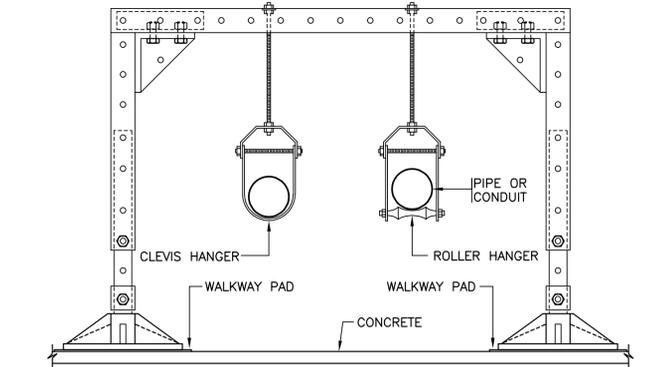
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**A** PIPE TRENCH DETAIL CHILLED WATER PIPING NO SCALE

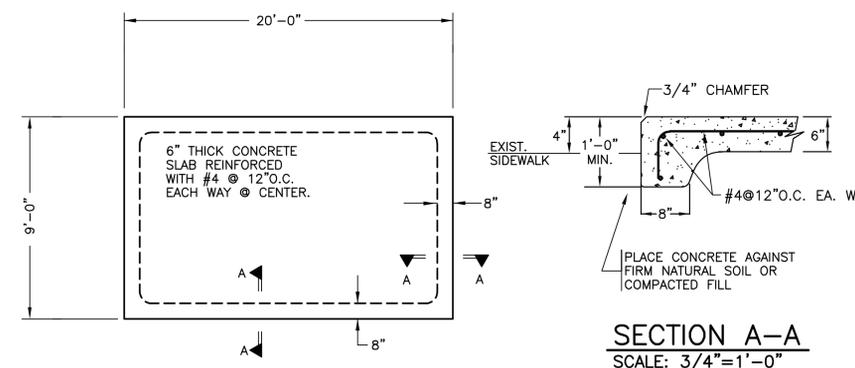


**B** DETAIL-UNDERGROUND CHILLED WATER PIPING NO SCALE



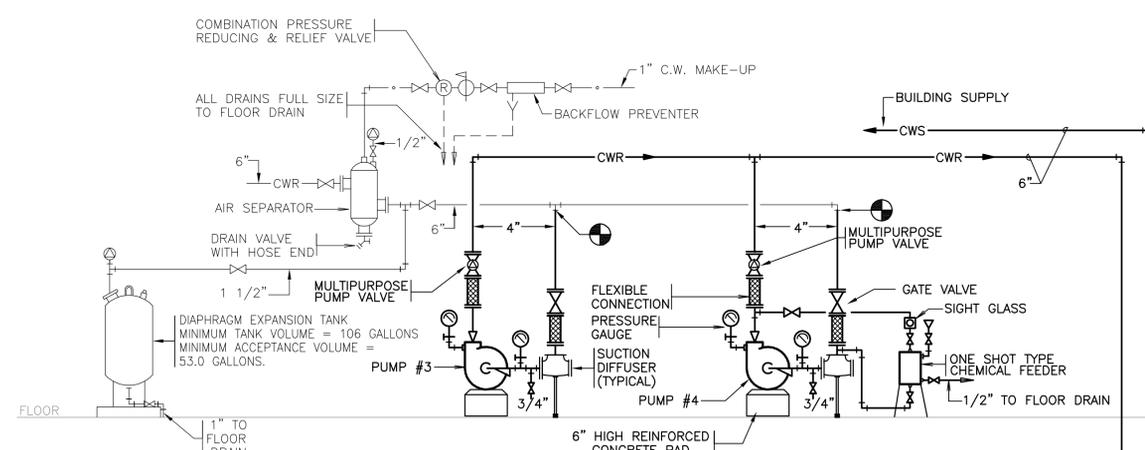
**C** DETAIL-PIPE & CONDUIT SUPPORT AT CHILLER NO SCALE

- NOTES:
1. PROVIDE WALKWAY PADS.
  2. PIPE SUPPORT SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUAL:
    - A. PORTABLE PIPE HANGERS, INC. MODEL PSE-2-2.
    - B. MIRO INDUSTRIES MODEL NO. 8-H2C/R.
  3. DETAIL SHOWN FOR MULTIPLE PIPES. FOR SINGLE PIPE PROVIDE ONE OF THE FOLLOWING OR APPROVED EQUAL:
    - A. PORTABLE PIPE HANGERS, INC. MODEL PSE-1-2.
    - B. MIRO INDUSTRIES MODEL NO. 8-H1C/R.
  4. PROVIDE CLEVIS HANGER OR ROLLER HANGER AS NOTED.
  5. ALL METAL PARTS SHALL BE HOT DIPPED GALVANIZED (ASTM A123).

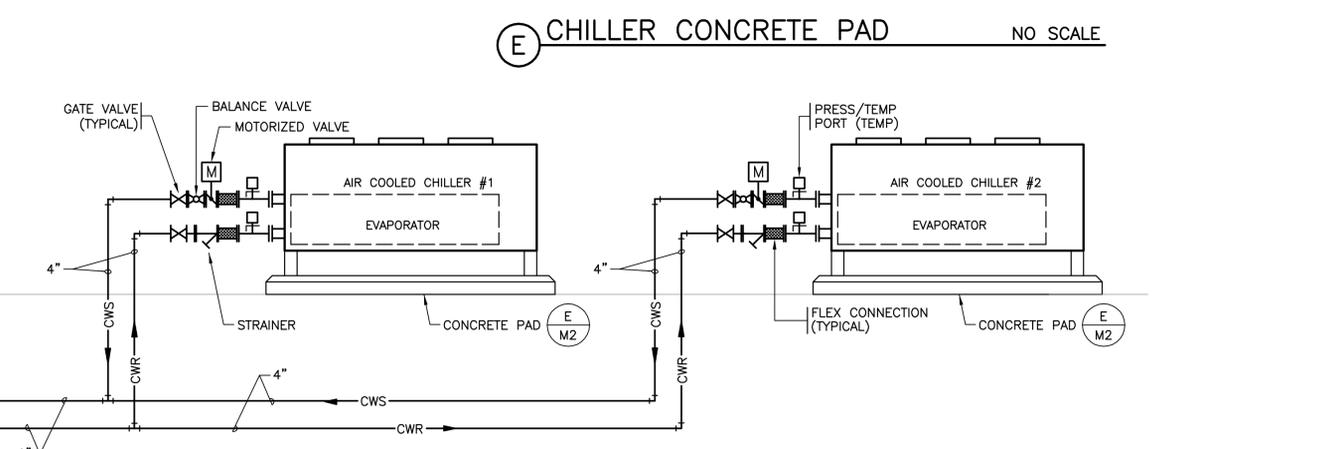


**E** CHILLER CONCRETE PAD NO SCALE

- GENERAL NOTES:
- 1.) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
  - 2.) ALL CONCRETE REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
  - 3.) ANY COMPACTED FILL REQUIRED SHALL BE NON-EXPANSIVE SANDY CLAY (CL) OR CLAYEY SAND (SC) WITH A LIQUID LIMIT NO GREATER THAN 40 AND PLASTICITY INDEX BETWEEN 6 AND 15. COMPACTED EARTH FILL SHALL BE PLACED IN 8\"/>



**D** DIAGRAM-CHILLED WATER PIPING NO SCALE



DATE DRAWING LAST PLOTTED: 01/15/26 TIME:09:28:53  
DATE DRAWING LAST SAVED: 01/13/26 TIME: 14:35:22

GENERAL NOTES (APPLICABLE TO ALL ELECTRICAL DRAWINGS)	
<p>THE PLANS AND SPECIFICATIONS ARE ISSUED AS A COMPLETE SET. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE COMPLETE SET OF DOCUMENTS IN ASCERTAINING THE SCOPE OF WORK AND IN COORDINATION OF HIS WORK WITH THAT OF OTHER TRADES. ANY CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER FOR RESOLUTION.</p> <p>PRIOR TO SUBMITTING A BID THE CONTRACTOR SHALL VISIT THE SITE, REVIEW THE EXISTING CONDITIONS AND ALLOW FOR LABOR, MATERIAL AND COORDINATION THAT IS NECESSARY TO PROVIDE A COMPLETE AND INTEGRATED INSTALLATION OF EACH SYSTEM. CONTRACTOR SHALL TAKE CARE IN ASCERTAINING THE REQUIREMENTS TO INTEGRATE ANY NEW EQUIPMENT WITH EXISTING SYSTEMS.</p> <p>REFER TO THE CONTRACT DRAWINGS FOR LOCATIONS AND SPACE REQUIREMENTS OF ELECTRICAL EQUIPMENT. COORDINATE THE INSTALLATION OF ELECTRICAL EQUIPMENT WITH OTHER TRADES.</p> <p>MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR SIZING, CIRCUIT BREAKER OR FUSE PROTECTION OF ELECTRICALLY OPERATED EQUIPMENT MAY DIFFER FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR SHALL CONFIRM RATINGS, PRIOR TO ORDERING EQUIPMENT. PROVIDE ELECTRICAL PROTECTION TO EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS. WHERE THE MECHANICAL EQUIPMENT NAMEPLATE CIRCUIT REQUIREMENTS DIFFER FROM THE SPECIFIED EQUIPMENT, THE CIRCUIT BREAKERS, DISCONNECTS, AND WIRING SHALL BE REVISED ACCORDINGLY. REVISIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.</p> <p>FUSE SIZE FOR MECHANICAL EQUIPMENT DISCONNECT SWITCHES SHALL NOT BE GREATER THAN THE EQUIPMENT'S NAMEPLATE MOCP OR MAXIMUM FUSE SPECIFICATION. FUSED DISCONNECT SWITCHES SHALL BE INSTALLED WITH CLEARANCES PER NEC. DISCONNECT SWITCHES TO BE "HEAVY DUTY" TYPE.</p> <p>CONTRACTOR SHALL REVIEW THE COMPLETE SET OF DOCUMENTS AND PROVIDE CONNECTION TO ALL ELECTRICALLY OPERATED EQUIPMENT INDICATED, EVEN IF NOT SHOWN ON THE ELECTRICAL PLANS, UNLESS OTHERWISE NOTED. COORDINATE THE LOCATION AND ELECTRICAL CONNECTION REQUIREMENTS PRIOR TO ORDERING OR INSTALLATION OF ELECTRICAL EQUIPMENT.</p> <p>SUSPENDED, CEILING MOUNTED, ELECTRICAL EQUIPMENT SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE NOT FROM THE CEILING.</p> <p>COORDINATE EXACT LOCATIONS OF ALL DEVICES, SWITCHES, RECEPTACLES, BOXES, COMM. OUTLETS, ETC. WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.</p> <p>JUNCTION AND OUTLET BOXES SHALL BE SIZED IN ACCORDANCE WITH NEC SECTION 314. MINIMUM SIZE FOR JUNCTION BOXES SHALL BE 4"SQ. X 2-1/8"D. BOXES LARGER THAN MINIMUM SIZE WILL BE REQUIRED AT SOME LOCATIONS.</p> <p>CIRCUITING AND HOMERUN CONDUITS SHALL BE INSTALLED AS INDICATED ON THE ELECTRICAL PLANS. DO NOT CHANGE CIRCUIT NUMBERS WITHOUT PRIOR APPROVAL FROM ENGINEER. WHERE HOMERUNS ARE SHOWN AS A SINGLE HOMERUN FOR LIGHTS OR RECEPTACLE CIRCUITS, CONTRACTOR SHOULD GROUP A MAXIMUM OF THREE CIRCUITS OR 6-CURRENT CARRYING CONDUCTORS PER HOMERUN TO CONSERVE CONDUIT SPACE AT PANEL.</p> <p>JUNCTION AND PULLBOXES SHALL ONLY BE LOCATED IN ACCESSIBLE AREAS. COORDINATE WITH ARCHITECTURAL RCP PRIOR TO ROUGH-IN.</p> <p>PROVIDE DETECTABLE WARNING TAPE 12" BFG FOR UNDERGROUND CONDUITS AND BURIED GROUNDING CONDUCTORS.</p> <p>ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED FOR MAINTAINING THE RATING OF THE ASSEMBLY. DO NOT INSTALL FLUSH MOUNTED BOXES BACK-TO-BACK IN WALLS. OFFSET BOXES IN ADJACENT STUD CAVITIES. MAINTAIN AT LEAST A 24 INCH SEPARATION IN FIRE-RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE-RATED WALLS.</p> <p>TERMINATION OF PHASE, NEUTRAL, AND GROUNDING CONDUCTORS SHALL BE MADE TO INDIVIDUAL TERMINALS/LUGS AT PANELS, DISCONNECTS, DEVICES, ETC., UNLESS MULTIPLE CONDUCTOR TERMINATIONS ARE SPECIFICALLY ALLOWED BY THE MANUFACTURER. WHERE MULTIPLE CONDUCTOR TERMINATIONS ARE ALLOWED, THE TERMINATIONS SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.</p> <p>FOR BRANCH CIRCUIT WIRING THAT IS LARGER THAN #10 AWG, PROVIDE WIRE SIZE ADAPTER FOR REDUCTION TO #10 AND TERMINATION AT THE WIRING DEVICE.</p> <p>ALL CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR IN THE RACEWAY.</p> <p>NEW CIRCUIT BREAKERS FOR EXISTING PANELS SHALL BE BY THE PANELBOARD MANUFACTURER AND UL-LISTED FOR THE USE WITH AN AIC RATING EQUAL TO THE EXISTING BREAKERS. CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE TYPE HACR. PROVIDE NEW CIRCUIT DIRECTORY OF EXISTING PANELS LISTING ALL CIRCUITS, NEW AND EXISTING.</p>	

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	WALL OUTLET-DUPLEX RECEPTACLE, FLUSH MOUNTED, NEMA 5-20R
	WALL OUTLET-DUPLEX OUTLET, WITH GROUND FAULT INTERRUPTING FEATURE
	WALL OUTLET-DUPLEX OUTLET, WITH GROUND FAULT INTERRUPTING FEATURE. WP INDICATES WEATHERPROOF COVER PROVIDED
	WALL OUTLET-DUPLEX RECEPTACLE, FLUSH MOUNTED ABOVE COUNTER, NEMA 5-20R
	WALL OUTLET-DUPLEX RECEPTACLE, FLUSH MOUNTED UNDER COUNTER, NEMA 5-20R
	WALL OUTLET-DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED, NEMA 5-20R
	3 POLE WALL OUTLET "X" INDICATES NEMA CONFIGURATION; COORDINATE WITH EQUIP. SUPPLIER FOR RECEPT. CONFIG. REQUIRED
	CEILING OUTLET, DUPLEX RECEPTACLE, FLUSH MOUNTED, NEMA 5-20R
	FLOOR OUTLET - DUPLEX RECEPTACLE NEMA 5-20R
	SWITCHBOARD OR DISTRIBUTION PANEL
	PANELBOARD REFER TO SCHEDULE
	GROUNDING ELECTRODE CONNECTION
	DISCONNECT SWITCH, FUSIBLE
	DISCONNECT SWITCH, NON FUSIBLE
	COMBINATION MAGNETIC MOTOR STARTER WITH FUSIBLE DISCONNECT SWITCH. INTEGER INDICATES NEMA SIZE
	MOTOR CONNECTIONS, SIZE AS SCHEDULED
	PULL BOX WITH HINGED COVER, SIZE AS INDICATED
	DISTRIBUTION OR PAD MOUNTED TRANSFORMER
	POWER POLE
	TELECOMMUNICATIONS UNDERGROUND CONDUIT OR DUCT BANK
	EXISTING UNDERGROUND CONDUIT OR DUCT BANK
	NEW UNDERGROUND CONDUIT OR DUCT BANK
	CIRCUIT CONCEALED BELOW GRADE OR FLOOR (#12 AWG UNLESS NOTED OTHERWISE OR REQUIRED)
	CONDUIT CONCEALED IN WALL OR OVERHEAD (#12 AWG UNLESS NOTED OTHERWISE OR REQUIRED)
	SHORT SLASHES = PHASE OR SWITCHED CONDUCTORS. LONG SLASHES = NEUTRAL CONDUCTORS. NO SLASHES=2#12, 1#12/3-3/4", U.O.N.
	HOMERUN TO PANEL (CIRCUIT NUMBERS INDICATED)
	NUMBER OF CURRENT CARRYING, INTEGER INDICATES CONDUCTOR SIZE
	POWER DISTRIBUTION HANDHOLE OR MANHOLE, SIZE AS INDICATED
	TELECOMMUNICATIONS HANDHOLE OR MANHOLE, SIZE AS INDICATED
	CIRCUIT RISER UP
	CIRCUIT RISER DOWN
	ELECTRICAL KEYED NOTE REFERENCE
NOTE: ALL SYMBOLS MAY NOT BE USED	

ABBREVIATIONS	
AF	AMPERE FRAME/FUSE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CURRENT
AL	ALUMINUM
AS	AMPERE SWITCH
AT	AMPERES TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BGG	BARE COPPER GROUND
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CENTER LINE
CLR	CLEAR
CO	CONDUIT ONLY
CSFD	COMBINATION SMOKE/FIRE DAMPER
CTR	CENTER
CU	COPPER
DIA	DIAMETER
DP	DISTRIBUTION PANEL
DWG	DRAWING
E	EXISTING
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
ELR	END-OF-LINE RESISTOR
EPO	EMERGENCY POWER OFF
EPR	ETHYLENE PROPYLENE RUBBER
ER	EXISTING TO REMAIN
EQ	EQUAL
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAPS	FIRE ALARM POWER SUPPLY
FARP	FIRE ALARM REMOTE PANEL
FLA	FULL LOAD AMPERES
FVNR	FULL VOLTAGE NON-REVERSING
G	GROUND
GALV	GALVANIZED
RGS	RIGID GALVANIZED STEEL
GFI	GROUND FAULT INTERRUPTER
HD	HEAT DETECTOR
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HO	HIGH OUTPUT
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HSP	HOUSE SERVICE PANEL
HV	HIGH VOLTAGE
HZ	HERTZ
IC	INTERCOM
ISC	INTERRUPTING SHORT CIRCUIT
IG	ISOLATED GROUND
INST	INSTANTANEOUS
JB	JUNCTION BOX
KV	KILOVOLTS
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
KWH	KILOWATT-HOURS
LCP	LIGHTING CONTROL PANEL
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCCB	MOLDED CASE CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MH	MANHOLE
MIC	MICROPHONE
MLO	MAIN LUGS ONLY
MSB	MAIN SWITCHBOARD
MSG	MAIN SWITCHGEAR
N	NEUTRAL
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT (NON-SWITCHED)
NO	NORMALLY OPEN, NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
PA	PUBLIC ADDRESS
PB	PUSHBUTTON
PH	PHASE
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
R	REMOVED
REC	RECEPTACLE
REQD	REQUIRED
RSC	RIGID STEEL CONDUIT
SEC	SECONDARY
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
TD	TIME DELAY
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER
XLPE	CROSS LINKED POLYETHYLENE
XP	EXPLOSION PROOF
+4'-6"	TYPICAL MOUNTING HEIGHT 4'-6" ABOVE FLOOR OR GRADE TO CENTER OF BOX



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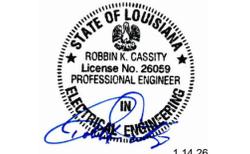
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 STATE PROJECT NO.01-107-24-05  
 SCHEDULE NO.535  
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Sheet Name

## ELECTRICAL LEGENDS AND GENERAL NOTES

Job number 25-140

Date JANUARY 15, 2026

Designed by RKC

Drawn by A.J.L.

# E.O.

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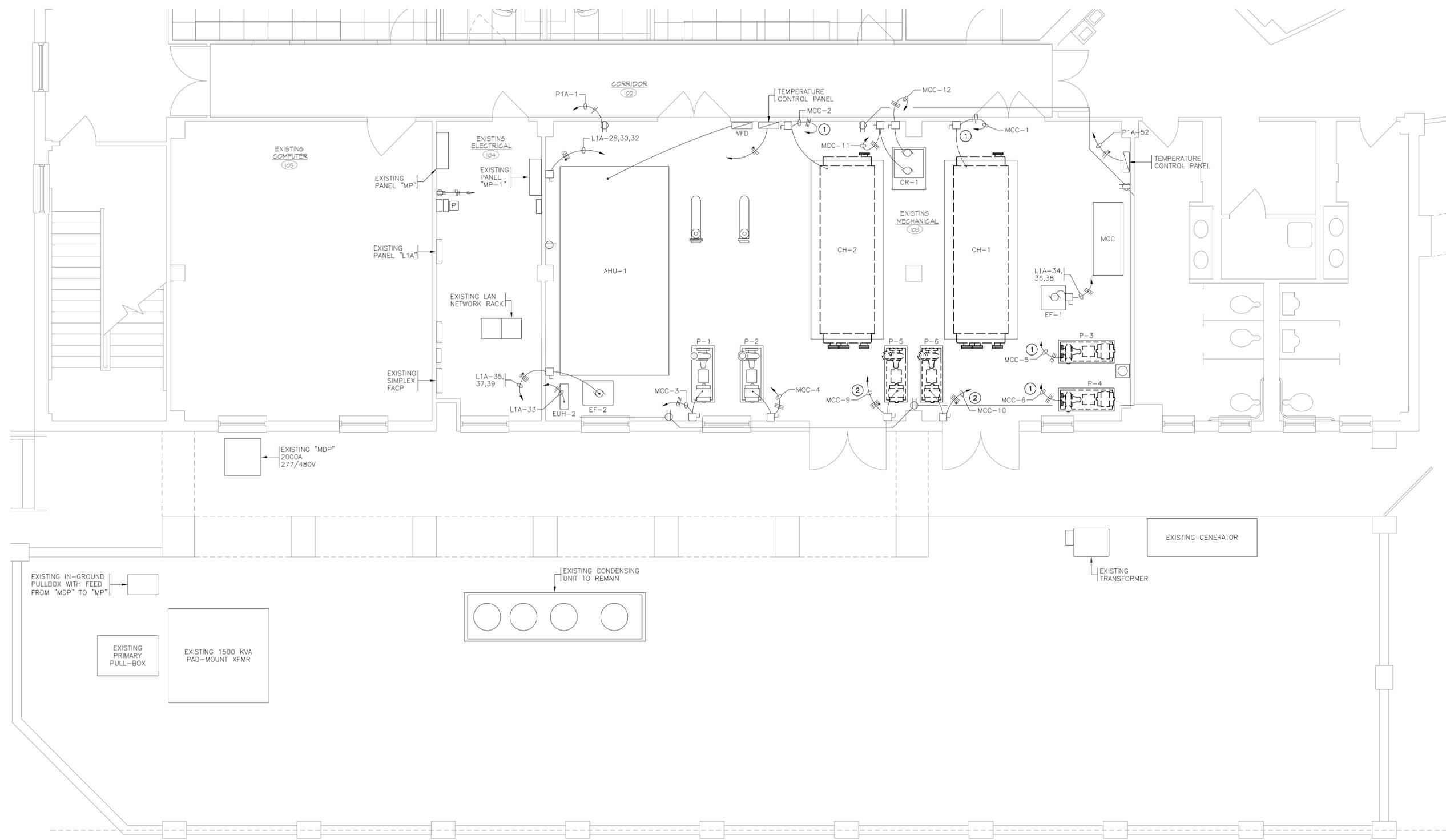
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**PARTIAL FIRST FLOOR PLAN  
ELECTRICAL DEMOLITION**

1/4"=1'-0"



12' 0" 5' 10'  
SCALE: 1/4 INCH = 1 FOOT

**ELECTRICAL NOTES:**

1. COORDINATE WITH MECHANICAL TO DEMO EXISTING ELECTRICAL BACK TO IT'S POINT-OF-ORIGIN IN EXISTING "MCC". REMOVE DISCONNECT SWITCH AND ALL CONDUIT/WIRING. RELABEL MCC BUCKET AS "SPARE".
2. COORDINATE WITH MECHANICAL TO DEMO EXISTING ELECTRICAL BACK TO IT'S POINT-OF-ORIGIN IN EXISTING "MCC". REMOVE EXISTING SIZE 2 FVNR STARTER AND MAKE AVAILABLE TO THE OWNER. KEEP EXISTING 50A BREAKER FOR FEEDER TO NEW CWP VFD. RELABEL MCC BUCKET FOR NEW PUMP SERVED.

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**PARTIAL FIRST FLOOR PLAN - ELECTRICAL DEMOLITION**

Job number 25-140  
Date JANUARY 15, 2026  
Designed by RKC  
Drawn by AJL

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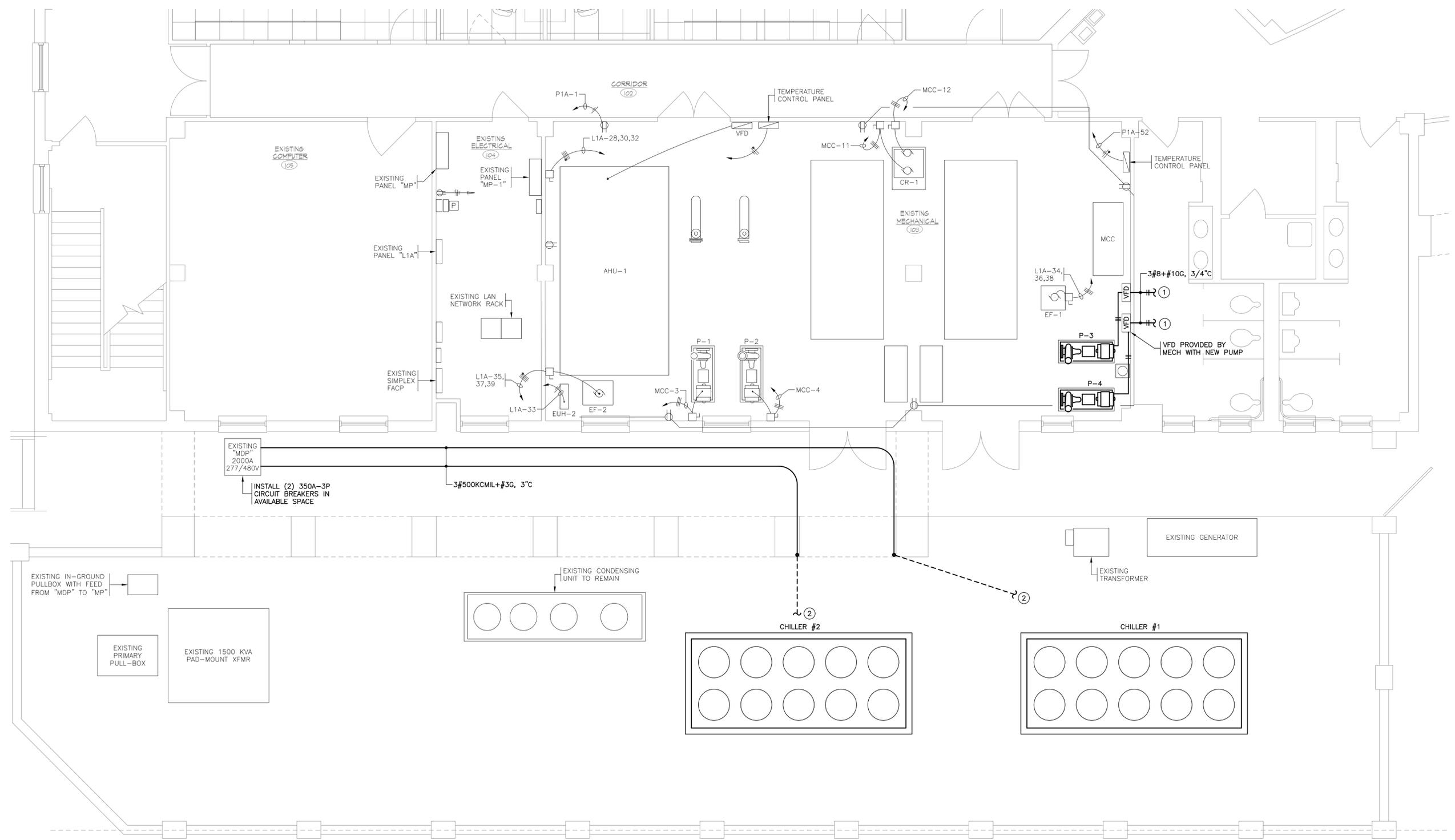
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**PARTIAL FIRST FLOOR PLAN**  
**ELECTRICAL POWER**

1/4"=1'-0"



12' 0" 5' 10'  
SCALE: 1/4 INCH = 1 FOOT

**ELECTRICAL NOTES:** ○

1. TO 50A-3P FEEDER BREAKER IN EXISTING "MCC".
2. EXTEND FEEDER U/G TO DISCONNECT SWITCH PROVIDED WITH NEW CHILLER. COORDINATE CONDUIT ROUTING WITH MECHANICAL TO AVOID CHILLER PIPING.

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Sheet Name

**PARTIAL FIRST FLOOR PLAN - ELECTRICAL POWER**

Job number 25-140  
Date JANUARY 15, 2026  
Designed by RKC  
Drawn by AJL

**E2**

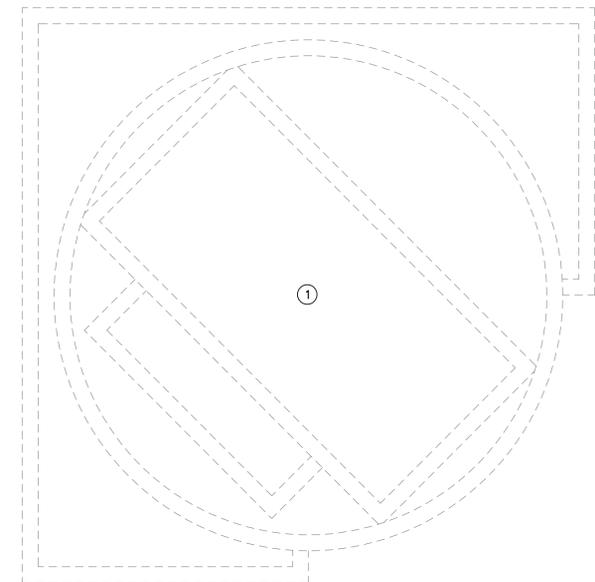
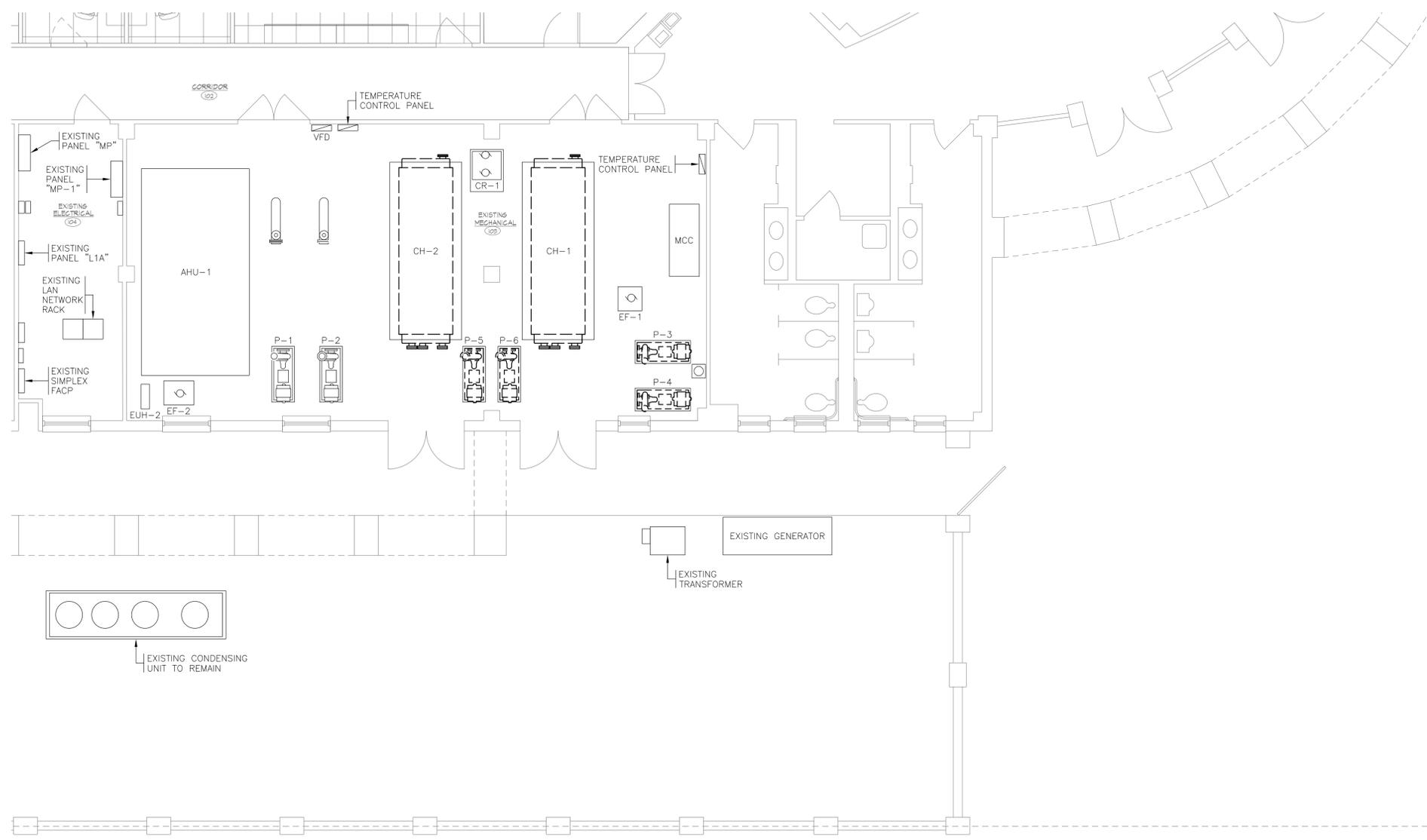
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**ELECTRICAL NOTES:** ○

1. DEMO EXISTING ELECTRICAL TO COOLING TOWER FANS, SUMP HEATER AND GENERAL USE RECEPTACLE TO IT'S POINT-OF-ORIGIN IN "MCC" AND PANEL "L1A". RELABEL EXISTING CIRCUITS AS "SPARE".

**PARTIAL SITE PLAN**  
**ELECTRICAL DEMOLITION**

3/16"=1'-0"



12' 0" 5' 10' 15'  
SCALE: 3/16 INCH = 1 FOOT

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Sheet Name

**PARTIAL PLAN -  
COOLING TOWER  
ELECTRICAL DEMO**

Job number 25-140  
Date JANUARY 15, 2026  
Designed by RKC  
Drawn by AJL

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