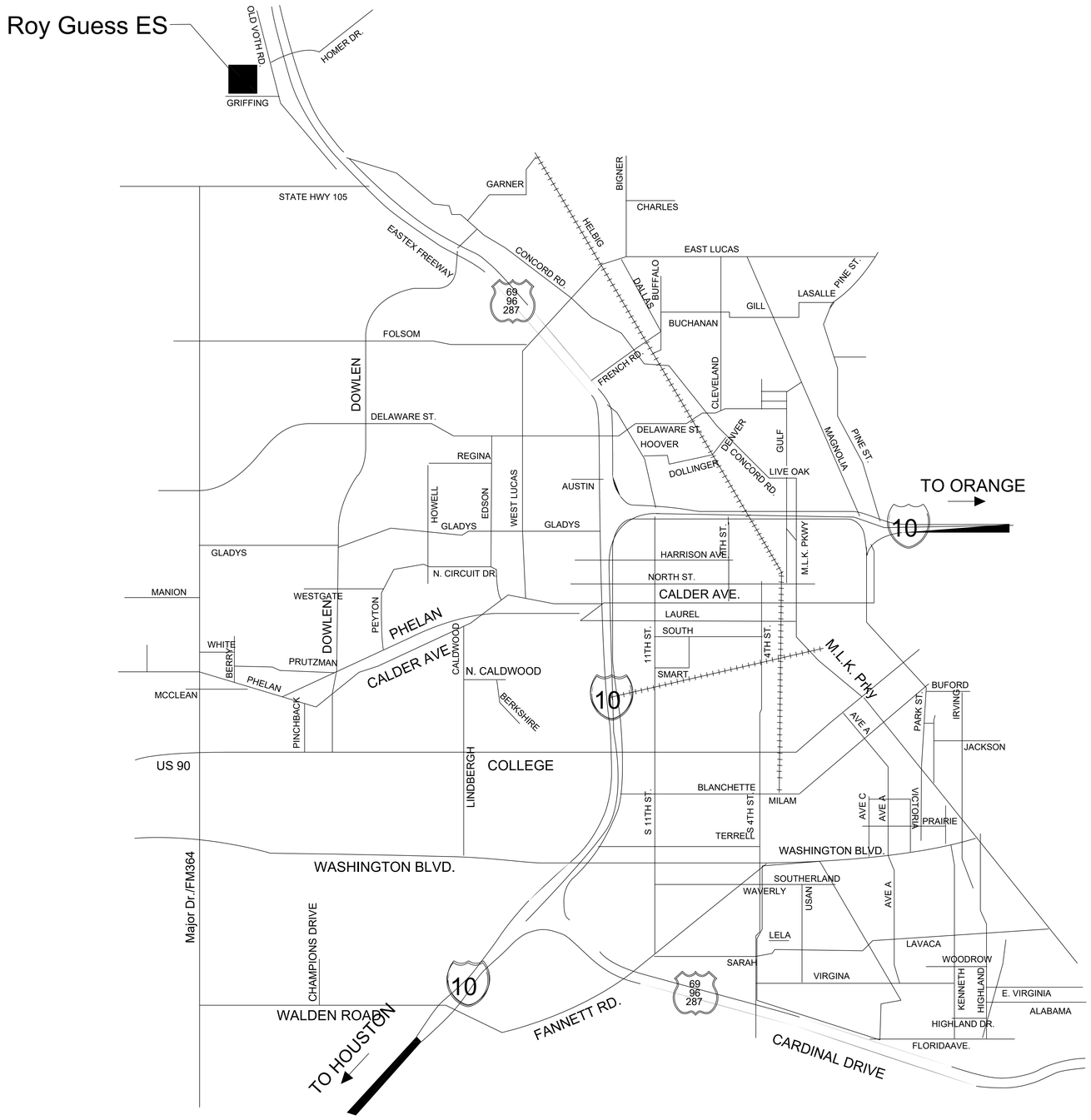
BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILLER REPLACEMENT AT ROY GUESS ELEMENTARY SCHOOL
CSP #26.15

SITE LOCATIONS



ROY GUESS ELEMENTARY SCHOOL
8055 VOTH RD, BEAUMONT, TX 77708



LIST OF DRAWINGS:

CS-1 COVER SHEET - LIST OF DRAWINGS

ROY GUESS ELEMENTARY

M1.1 MECHANICAL DEMOLITION ENLARGED FLOOR PLAN - CHILLER YARD
M2.1 MECHANICAL ENLARGED FLOOR PLAN - CHILLER YARD
M3.1 MECHANICAL PIPING DIAGRAMS
M4.1 MECHANICAL DETAILS AND LEGENDS
E1.1 ELECTRICAL FLOOR PLANS - MECHANICAL YARD

Salas O'Brien
salasobrien.com 281-664-1900
Houston
10930 W. Sam Houston Pkwy N. #900
Houston, TX 77064
Registration: F-4111
Project No.: 2650-00566-00

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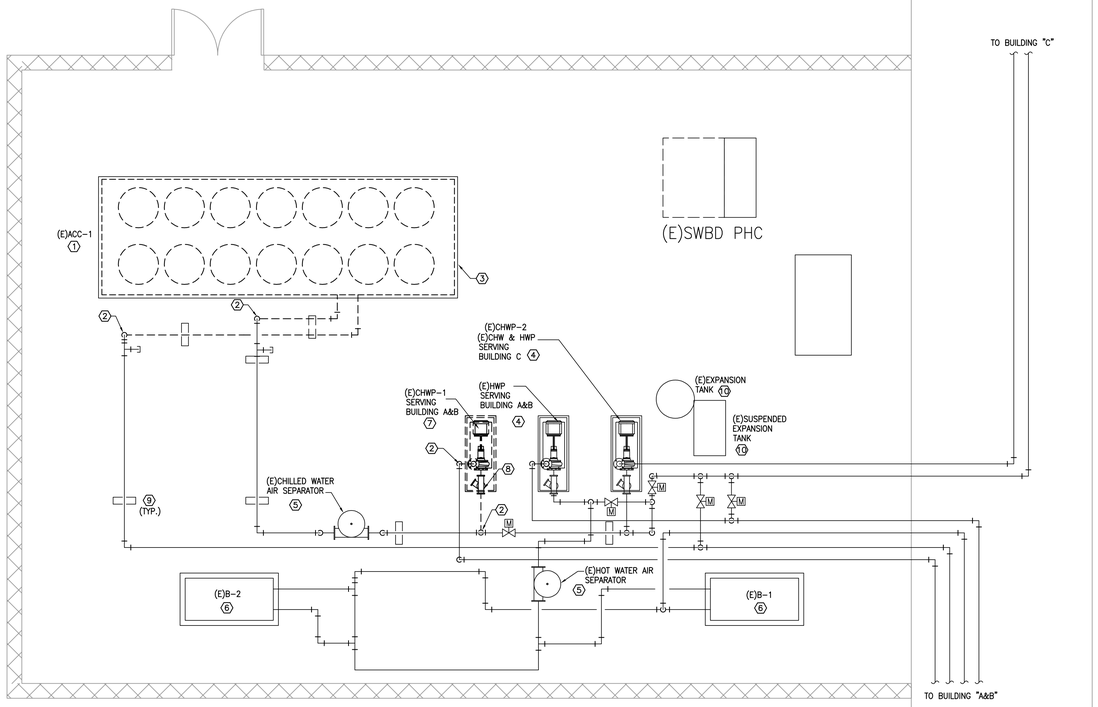
Δ	DESCRIPTION	DATE

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SH	MT

SHEET NAME

LIST OF DRAWINGS AND SITE LOCATIONS

SHEET NUMBER	REVISION
CS1.0	



N 1 **DEMOLITION FLOOR PLAN - MECHANICAL YARD**
SCALE: 1/4" = 1'-0"

MECHANICAL DEMOLITION GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL MECHANICAL SYSTEMS SHOWN ON THIS PLAN ARE FROM EXISTING PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO THE START OF WORK.
3. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL HVAC EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO CONDENSING UNITS, AIR HANDLING UNITS, AND CONTROLS.

DEMO SYMBOL LEGEND	
RENOVATIONS	
	ITEM TO REMAIN
	ITEM TO BE REMOVED
	CONNECT TO EXISITNG

MECHANICAL DEMOLITION KEYED NOTES

1. REMOVE EXISTING AIR COOLED CHILLER AND ASSOCIATED APPURTENANCES.
2. REMOVE EXISTING CHILLED WATER PIPING AND ASSOCIATED INSULATION BACK TO INDICATED POINT.
3. EXISTING CONCRETE PAD TO REMAIN.
4. EXISTING WATER PUMP TO REMAIN.
5. EXISTING AIR SEPARATOR SHALL REMAIN.
6. EXISTING BOILER SHALL REMAIN.
7. EXISTING CHILLED WATER PUMP SERVING BUILDING "A&B", CONCRETE PAD, CONTROLS, VALVES AND ALL ASSOCIATED APPARATUSES SHALL BE REMOVED.
8. REMOVE EXISTING STRAINER.
9. EXISTING PIPE SUPPORT TO REMAIN AND BE REUSED.
10. EXISTING EXPANSION TANK TO REMAIN.

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SHEET NAME
MECHANICAL DEMOLITION FLOOR PLAN - MECHANICAL YARD

SHEET NUMBER: M1.1
REVISION:

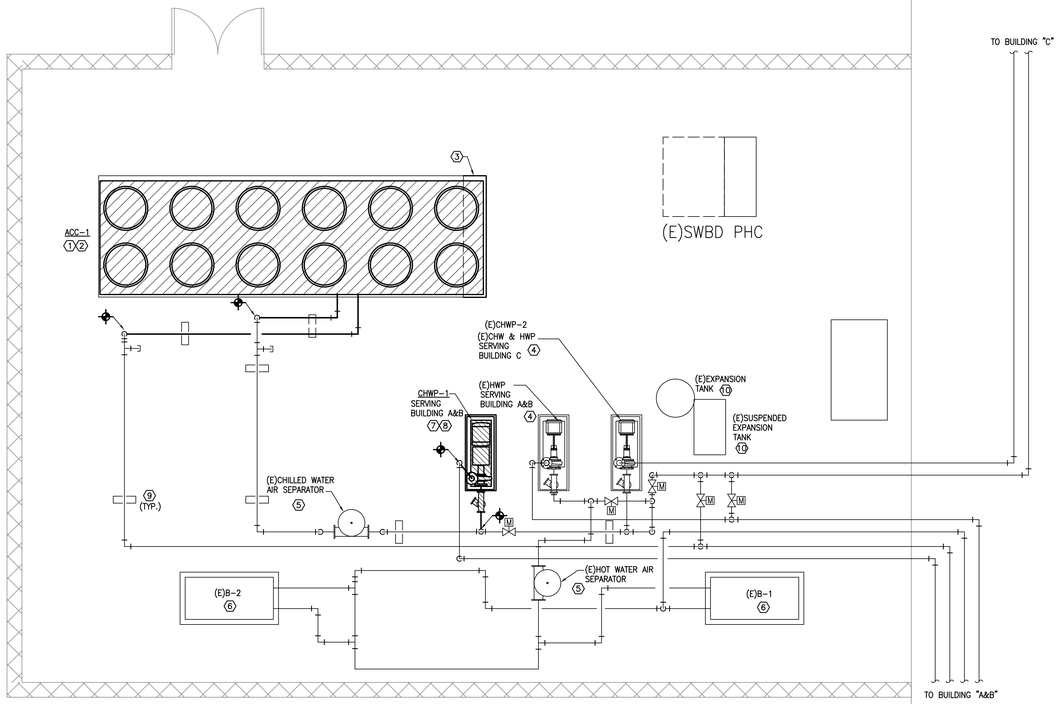
MECHANICAL GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL MECHANICAL SYSTEMS SHOWN ON THIS PLAN ARE FROM EXISTING PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO THE START OF WORK.

THE EXISTING BUILDING IS CONTROLLED BY AN AUTOMATED LOGIC CONTROL SYSTEM BY ALC BRANCH OFFICE. ALC SHALL REMOVE AND REINSTALL ANY END DEVICES REQUIRED FOR REMOVAL AND INSTALLATION OF NEW CHILLER AND PUMP AND TEST CONTROL SYSTEM TO ENSURE SYSTEM IS FUNCTIONAL. BACNET INTERFACE IS NOT REQUIRED ON NEW CHILLER. ALC SHALL NOTIFY ENGINEER AND OWNER IF ANY DEVICES ARE FOUND TO BE INOPERABLE.

MECHANICAL KEYED NOTES

1. MOUNT NEW AIR COOLED CHILLER ON EXISTING CONCRETE PAD.
2. VERIFY SERVICE AND AIRFLOW CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
3. EXTEND EXISTING CONCRETE PAD AS REQUIRED TO ACCOMMODATE NEW CHILLER LOCATION.
4. EXISTING WATER PUMP TO REMAIN.
5. EXISTING AIR SEPARATOR SHALL REMAIN.
6. EXISTING BOILER SHALL REMAIN.
7. PROVIDE 8" HOUSEKEEPING PAD.
8. VERIFY SERVICE CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
9. EXISTING PIPE SUPPORT TO REMAIN AND BE REUSED.
10. EXISTING EXPANSION TANK TO REMAIN.



N 1 **FLOOR PLAN - MECHANICAL YARD**
SCALE: 1/4" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
BRADLEY KALMANS
80219
LICENSED
STATE OF TEXAS
04-17-2026

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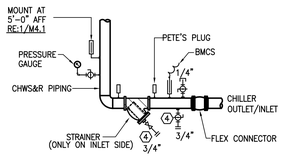
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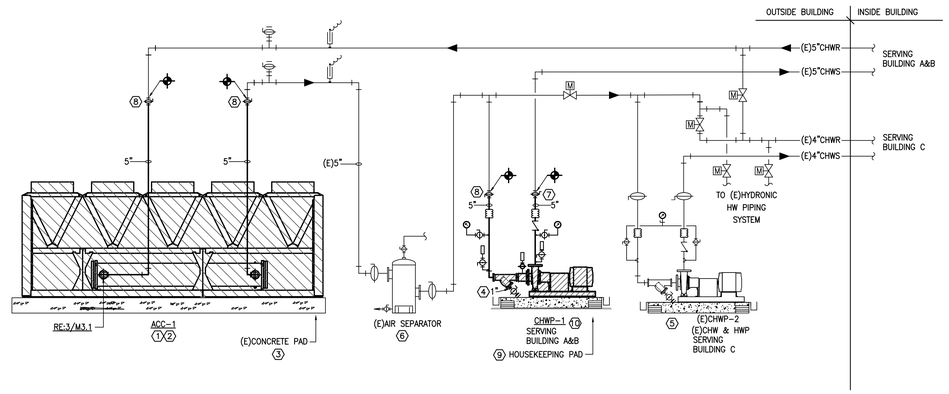
SHEET NAME
MECHANICAL FLOOR PLAN - MECHANICAL YARD

SHEET NUMBER M2.1
REVISION



3 TYPICAL PIPING AT INLET AND OUTLET OF CHILLER

SCALE: NO SCALE



2 CHILLED WATER PIPING DIAGRAM

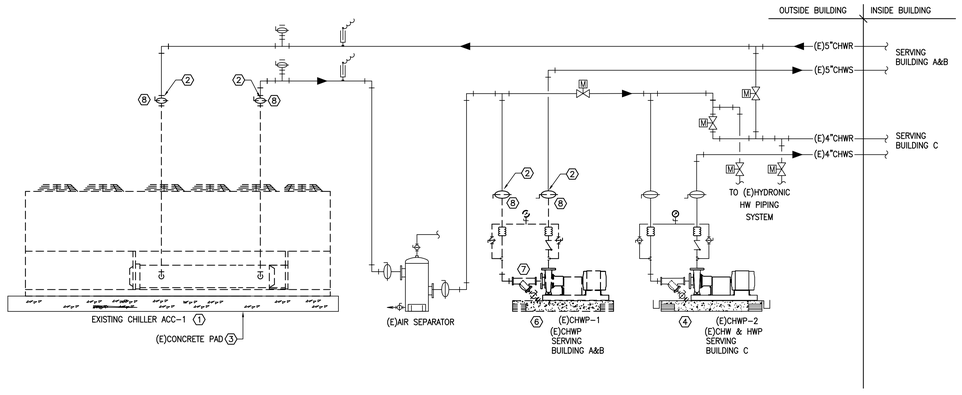
SCALE: NO SCALE

GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
2. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.

KEYED NOTES

1. MOUNT NEW AIR COOLED CHILLER ON EXISTING CONCRETE PAD.
2. VERIFY SERVICE AND AIRFLOW CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
3. EXTEND EXISTING CONCRETE PAD AS REQUIRED TO ACCOMMODATE NEW CHILLER LOCATION.
4. PROVIDE BALL VALVE WITH HOSE THREAD ADAPTER AT FULL SIZE OR AT SIZE INDICATED.
5. EXISTING WATER PUMP TO REMAIN.
6. EXISTING AIR SEPARATOR SHALL REMAIN.
7. BALANCING VALVE TO BE PROVIDED WITH INFINITE POSITION CRANK OR MEMORY STOP FOR BALANCING SERVICE.
8. PROVIDE NEW ISOLATION VALVES.
9. PROVIDE 8" HOUSEKEEPING PAD.
10. VERIFY SERVICE CLEARANCE WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.



1 DEMOLITION CHILLED WATER PIPING DIAGRAM

SCALE: NO SCALE

DEMO SYMBOL LEGEND

RENOVATIONS	
▭	ITEM TO REMAIN
[ ]	ITEM TO BE REMOVED

GENERAL DEMOLITION NOTES

1. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL HVAC EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO CHILLERS, PUMPS, AIR HANDLING UNITS, EXHAUST FANS, CONDENSING UNITS, BMCS CONTROL PANELS, AND TEMPERATURE SENSORS
2. ALL MECHANICAL SYSTEMS SHOWN ON THIS PLAN ARE FROM OLD DRAWINGS AND PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO THE START OF WORK

DEMOLITION KEYED NOTES

1. REMOVE EXISTING AIR COOLED CHILLER AND ASSOCIATED APPURTENANCES.
2. REMOVE EXISTING CHILLED WATER PIPING AND ASSOCIATED INSULATION BACK TO INDICATED POINT.
3. EXISTING CONCRETE PAD TO REMAIN.
4. EXISTING WATER PUMP TO REMAIN.
5. EXISTING AIR SEPARATOR SHALL REMAIN.
6. EXISTING CHILLED WATER PUMP SERVING BUILDING "A&B", CONCRETE PAD, CONTROLS, VALVES AND ALL ASSOCIATED APPARATUSES SHALL BE REMOVED.
7. REMOVE EXISTING STRAINER.
8. REMOVE EXISTING ISOLATION VALVES.

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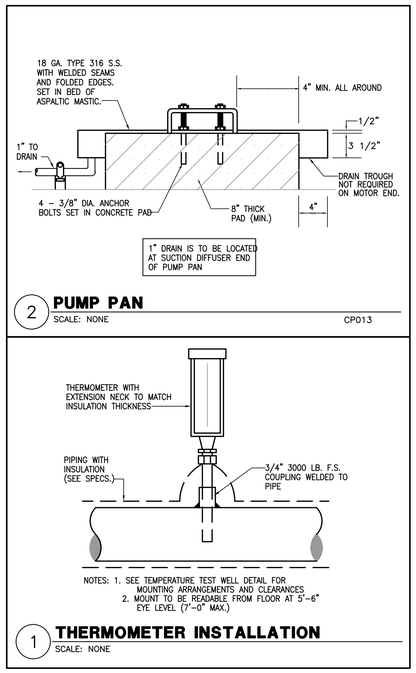
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SHEET NAME

MECHANICAL PIPING DIAGRAMS

SHEET NUMBER: M3.1
REVISION:



2 PUMP PAN

SCALE: NONE CP013

NOTES: 1. SEE TEMPERATURE TEST WELL DETAIL FOR MOUNTING ARRANGEMENTS AND CLEARANCES
2. MOUNT TO BE READABLE FROM FLOOR AT 5'-6" EYE LEVEL (7'-0" MAX.)

1 THERMOMETER INSTALLATION

SCALE: NONE

SYMBOL LEGEND

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
GENERAL	
(#)	KEY NOTE TAG
(#)	NOTE SPECIFIC TO DETAIL TAG
1	REVISION TAG
	NEW EQUIPMENT
SENSORS	
T	THERMOSTAT AND TEMPERATURE SENSOR
H	HUMIDISTAT
S	SMOKE DETECTOR
HS	HEAT DETECTOR
PIPING	
-CWS&R-	CONDENSER WATER SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
—CWS—	CONDENSER WATER SUPPLY
—CWR—	CONDENSER WATER RETURN
-CHWS&R-	CHILLED WATER SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
—CHWS—	CHILLED WATER SUPPLY
—CHWR—	CHILLED WATER RETURN
-HWS&R-	HOT WATER FOR HYDRONIC HEATING SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
—HWS—	HOT WATER FOR HYDRONIC HEATING SUPPLY
—HWR—	HOT WATER FOR HYDRONIC HEATING RETURN
—D—	CONDENSATE DRAIN LINE
—AD—	AUXILLARY CONDENSATE DRAIN LINE
—RLR—	REFRIGERANT LIQUID & GAS RECIRCULATION LINE (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
	ELBOW UP
	ELBOW DOWN
	90° ELBOW
	TEE
	TEE DOWN
	TEE UP
	TOP BRANCH CONNECTION
	BOTTOM BRANCH CONNECTION
	FLANGE
	CAP
	CONTINUATION
	FLOOR DRAIN (REFER TO PLUMBING DRAWINGS)
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	BUTTERFLY VALVE WITH OPERATOR
	PLUG VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	BALL VALVE
	STRAINER
	UNION
	PETE'S PLUG
	PRESSURE GAUGE
	TEMPERATURE SENSOR IN PIPE
	FLOW SWITCH
FM	FLOW MEASURING STATION
	EXPANSION JOINT
	FLEXIBLE CONNECTION
	GAUGE COCK
	SITE GLASS
	DIFFERENTIAL PRESSURE SENSOR
	TURBINE FLOW METER
	PIPE GUIDE
SUBSCRIPTS AND ABREVIATIONS	
AFF	ABOVE FINISHED FLOOR
BBS	BELOW BOTTOM OF STRUCTURE
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
CA	COMBUSTION AIR
CFM	CUBIC FEET PER MINUTE
EA	EXHAUST AIR
FPM	FEET PER MINUTE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
RENOVATIONS	
	POINT OF CONNECTION FROM NEW TO EXISTING
	ITEM TO REMAIN
	ITEM TO BE REMOVED

MS03

PACKAGE AIR COOLED CHILLER

MARK	NOMINAL CAPACITY (TONS)	ACTUAL CAPACITY (TONS)	LEAVING WATER TEMP. (°F)	GPM	MAXIMUM WATER PRESSURE DROP (FT.)	AMBIENT AIR TEMP. (°F)	CURRENT CHARACTERISTIC	EFFIC. (EER) FL/IPVL	ELECTRICAL MCA	ELECTRICAL MOCP	REMARKS
ACC-1	200	187	44	540	15	95	230/3/60	10.1/17.08	850	1000	1,2,3,4

GENERAL NOTES:
1. MAXIMUM FOULING FACTOR FOR THE EVAPORATOR IS 0.0001 MAINTAIN MINIMUM CLEARANCES REQUIRED BY CHILLER MANUFACTURER FOR PROPER AIRFLOW TO FANS AND UNIT.
2. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON EQUIPMENT FOR SERVICE, MAINTENANCE AND INSPECTION.
3. MAINTAIN MINIMUM ELECTRICAL CLEARANCES AS REQUIRED BY NEC.
4. CHILLER SHALL MEET OR EXCEED BOTH ABOVE SCHEDULED FULL-LOAD AND PART-LOAD MINIMUM 2021 IECC EFFICIENCIES (PATH A 10.1 FL/14.0 IPLV; PATH B 9.7 FL/16.1 IPLV.) AT AHRI 550/590 44°F LEAVING CHILLED WATER TEMPERATURE AND 95°F ENTERING CONDENSER AIR TEMPERATURE.

REMARKS:
1. PROVIDE VFD CHILLER WITH EPOXY COATED COIL.
2. PROVIDE WITH LOW AMBIENT HEAD PRESSURE CONTROL AND INTEGRAL MAIN ELECTRICAL DISCONNECT SWITCH.
3. PROVIDE SINGLE POINT CONNECTION CHILLER.
4. CHILLER MAXIMUM LENGTH 25'-0".

PUMP

MARK	SERVICE	TYPE	GPM	HEAD (FT.)	MAXIMUM RPM	MOTOR HORSEPOWER	CURRENT	MANUFACTURER	MODEL	REMARKS
CHWP-1	CHILLED WATER	END SUCTION	366	80	1,800	15	230/3/60	ARMSTRONG	4030	(1)

GENERAL NOTES:
1. PUMP IS TO HAVE A NON-OVERLOADING MOTOR.
2. MINIMUM RECOMMENDED CLEARANCE AROUND A PUMP IS 24 INCHES. MAINTAIN MINIMUM CLEARANCES AS REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.

REMARKS:
1. PROVIDE WITH GAUGE TAPPINGS.

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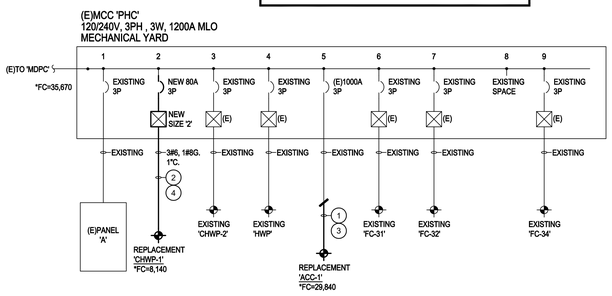
SHEET NAME

MECHANICAL SCHEDULES AND DETAILS - ROY GUESS

SHEET NUMBER: M4.1
REVISION:

CONTRACTOR TO FIELD VERIFY INTERRUPTING FAULT CURRENT CAPACITY OF EXISTING PANEL AND/OR SWITCHBOARD AND TO PROVIDE NEW BREAKERS/FUSES TO MATCH EXISTING.

- ALL CONDUCTORS AND GROUNDS ARE COPPER UNLESS NOTED OTHERWISE -



3 **PARTIAL ONE-LINE DIAGRAM**
SCALE: 1/4" = 1'-0"

ELECTRICAL LOAD ANALYSIS 'PHC'

120/240V, 3PH, 3W.

LOAD DESCRIPTION	LOAD KVA
EXISTING LOAD ORIGINAL LOAD 340.4 KVA @ 125%	425.5
REMOVED LOAD 293.3 KVA @ 100%	293.3
CHILLER	282.7
HVAC - FANS, AHU'S	17.4
25% LARGEST MOTOR (15HP)	4.3
TOTAL	436.6

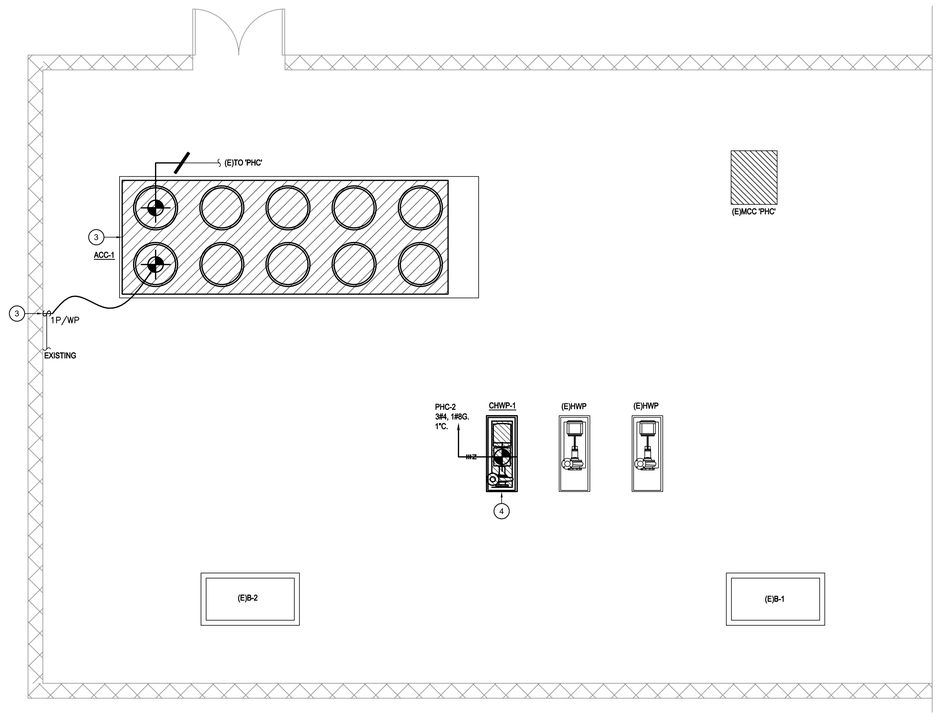
436.6 k / 240 / √3 = 1,050.3
EXISTING 1200 AMPS PROVIDED

ELECTRICAL SYMBOL SCHEDULE

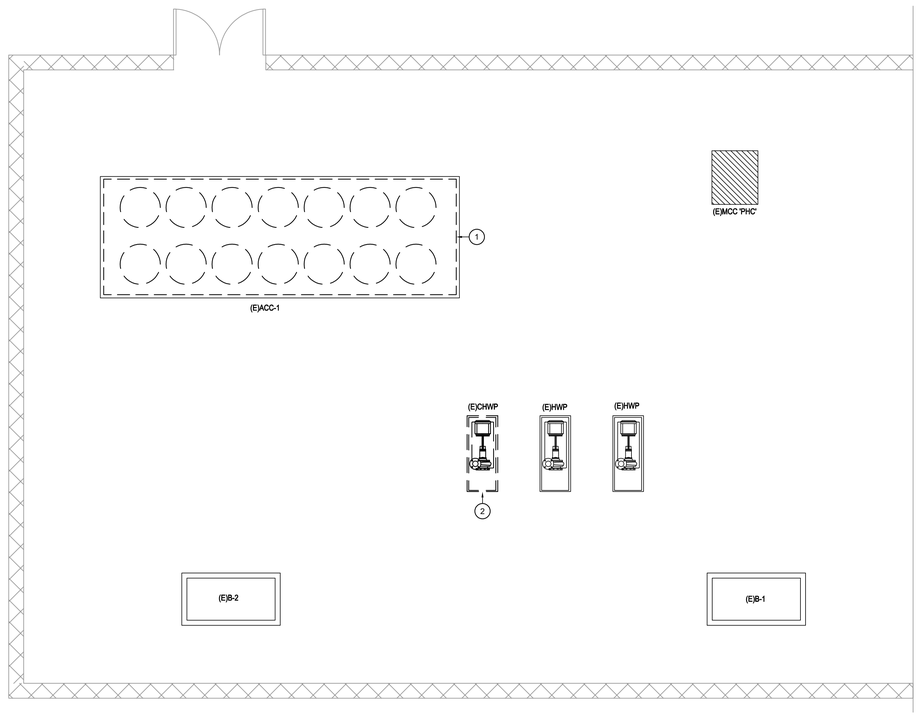
SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
SWITCHES	
$	LINE VOLTAGE SINGLE POLE SWITCH
^{2}	LINE VOLTAGE 2-POLE SWITCH
^{3}	LINE VOLTAGE 3-WAY SWITCH
^{4}	LINE VOLTAGE 4-WAY SWITCH
^{K}	LINE VOLTAGE KEYED SWITCH
RECEPTACLES AND OUTLETS	
	DUPLEX RECEPTACLE
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
	MOTOR STARTER
^{M}	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26
ELECTRICAL EQUIPMENT	
	ELECTRICAL DISTRIBUTION OR PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
#2 #/-	3/4"C. UNLESS OTHERWISE NOTED; LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH OR HOOK, INSULATED GROUND. ARROW INDICATES HOMERUN.
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
(E)	INDICATES EXISTING TO REMAIN
REP	INDICATES REPLACE EXISTING
H	INDICATES HORIZONTAL
AC	INDICATES ABOVE COUNTER. NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
1-L	REFER TO ONE-LINE DIAGRAM
⊢	INDICATES WALL MOUNTED DEVICE
●	NEXT TO ANY SYMBOL, INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTES:

-ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.



N 2 **ELECTRICAL FLOOR PLAN - MECHANICAL YARD**
SCALE: 1/4" = 1'-0"



N 1 **ELECTRICAL DEMOLITION FLOOR PLAN - MECHANICAL YARD**
SCALE: 1/4" = 1'-0"

DISCONNECT AND REMOVE
EXISTING TO REMAIN
NEW WORK

ELECTRICAL GENERAL NOTES:

1. DISCONNECT AND REMOVE ALL ABANDONED WIRING AND CONDUIT.
2. ALL EQUIPMENT REMOVED THAT IS NOT BEING REUSED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STORED OR DISPOSED AS DIRECTED.
3. CONTRACTOR SHALL MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING DEMOLISHED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING DEMOLISHED SHALL BE REMOVED AS FAR AS PRACTICABLE.
4. DEMOLITION/EXISTING DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION, AND WHEN AVAILABLE, EXISTING RECORD DOCUMENTS. REPORT DISCREPANCIES TO ENGINEER BEFORE DISTURBING EXISTING INSTALLATION, AND IMMEDIATELY AFTER SUCH DISCREPANCIES ARE DISCOVERED. CONTRACTOR TO VERIFY EXISTING CONDITIONS ON FIELD AND NOTIFY ENGINEER IF THERE ARE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.
5. EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE & WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT, SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER ELECTRICAL WORK OR MATERIAL RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED. OLD UNUSED WIRING AND DEVICES SHALL BE REMOVED FROM THE ABANDONED (CONCEALED) CONDUITS. OUTLETS SHALL BE PROVIDED WITH BLANK COVERS. ANY CONDUITS OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT NOT REUSED OR NOT NECESSARY FOR THE COMPLETION OF THIS PROJECT.
7. IF ANY BRANCH CIRCUIT WIRING FEEDING EQUIPMENT TO REMAIN IN PLACE FOR RE-USE IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE WITH NEW BRANCH CIRCUIT WIRING OF THE SAME SIZE AND TYPE AS EXISTING PER SPECIFICATIONS.
8. NO TAP OR SPLICE SHALL BE MADE IN ANY CONDUIT EXCEPT IN OUTLET BOXES, PULL BOXES, JUNCTION BOXES, SPLICE BOXES, OR OTHER ACCESSIBLE LOCATIONS.
9. EXISTING RACEWAYS AND LOCATION OF ELECTRICAL OUTLETS SHALL BE RE-USED AS PRACTICAL FOR NEW DEVICES AS PART OF NEW WORK.

ELECTRICAL KEYED NOTES:

1. DISCONNECT EXISTING AIR COOLED CHILLER AND REMOVE ASSOCIATED FLEXIBLE CONDUITS FOR REPLACEMENT. EXISTING SOURCE BREAKERS AND 240V AND 120V CIRCUITS CONDUCTORS/CONDUITS SHALL REMAIN IN PLACE FOR RE-USE. EXISTING BMCS AND ASSOCIATED CONTROL CONDUCTORS/CONDUITS TO REMAIN IN PLACE FOR RE-USE.
2. DISCONNECT EXISTING MECHANICAL EQUIPMENT FOR REPLACEMENT. REMOVE CONDUCTORS/CONDUIT BACK TO SOURCE AND REMOVE EXISTING SOURCE BREAKER AND ASSOCIATED EQUIPMENT IN EXISTING MOTOR CONTROL CENTER SECTION.
3. MAKE FINAL CONNECTION TO REPLACEMENT AIR COOLED CHILLER FROM EXISTING CIRCUITS LEFT IN PLACE AFTER DEMOLITION. EXTEND 240V CIRCUIT CONDUCTORS WITH NEW (4)#250kCMIL, 1#2/0G. AND NEW FLEXIBLE 3"C. AS REQUIRED. EXTEND 120V CIRCUIT CONDUCTORS/CONDUIT WITH MATCHING SIZE AND PROVIDE NEW LOCAL DISCONNECT AS SHOWN. EXTEND BMCS AND ASSOCIATED CONTROL CONDUCTORS/CONDUIT AS REQUIRED.
4. NEW CONNECTION TO REPLACEMENT MECHANICAL EQUIPMENT AS SHOWN. PROVIDE NEW BREAKER, STARTER, OVERLOAD RELAYS, CONTROL WIRING AND FILLER PLATES IN EXISTING MOTOR CONTROL CENTER SECTION AS REQUIRED.

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04-17-2026

ISSUE DATE	DESCRIPTION
2026-04-17	ISSUE FOR BID

Beaumont ISD
Preparing Our Next Generation

Beaumont Independent School District

BEAUMONT INDEPENDENT SCHOOL DISTRICT CHILLER REPLACEMENT AT ROY GUESS ELEMENTARY SCHOOL

8055 Voth Rd., Beaumont, TX 77708

NOTES

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: PS
DRAWN BY: LT

SHEET NAME
ELECTRICAL FLOOR PLANS - MECHANICAL YARD

SHEET NUMBER: E1.1
REVISION: