

**EAST STROUDSBURG UNIVERSITY OF PENNSYLVANIA
STATE SYSTEM OF HIGHER EDUCATION
COMMONWEALTH OF PENNSYLVANIA**

**ADDENDUM NUMBER 4
Project Number: ESU 30-1436**

Issue Date: 5 August 2014

Project Title: Replace Chiller, Koehler Fieldhouse and Natatorium

Location: East Stroudsburg University, East Stroudsburg, Monroe County, Pennsylvania

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents (Project Manual, Drawings and Specifications dated 5 June, 2014). Bidders must acknowledge receipt of any and all Addenda in the space provided on the Bid Form. Failure to do so may result in rejection of the Bid.

This Addendum refers to and is intended to take precedence over, clarify, revise or add to those portions of the specifications and drawings to which it refers. All requirements of the Project Manual remain unchanged except as cited below:

Bid Opening Date and Time: The bid opening date and time remain unchanged.

GENERAL:

This Addendum is hereby issued and addresses the following drawing changes:

1. HD-100 changes, Attached
2. H-100 changes, Attached
3. H-200 changes, Attached

DRAWING DOCUMENT CHANGES:

Drawing Number

Description

HD-100

Revised Drawing 1/HD-100: Relocated the existing piping to reflect existing conditions. The piping is still to be considered diagrammatic. Removed existing pipe insulation of the six heating and dual temperature piping down to 12" above finished floor. Added note "Replace 3"x3"x1/4" steel bracket with new 3"x3"x1/4" stainless steel bracket. Added note "(E) Pump pad to remain for reuse (Typ. for each pump)."
General Notes: Added Note No. 2: Existing wall openings from pipe penetrations to be filled and sealed with matching brick and mortar."
General Demolition Note No. 9: Revised to read "The contractor shall leave all-thread hanger rods attached to the ceiling above the vibration isolators. All clevis hangers shall

be removed. Remove all vibration isolators, all-thread between isolators and clevis hangers from all pipes being removed from project.”

H-100

Revised Drawing 1/H-100: Relocated the chilled water piping from existing exterior wall opening to through the exterior wall above the door opening.

General Notes: Added “2: Contractor shall reuse existing all-thread hanger rods wherever possible. Cut the remaining all-thread hanger rods at the ceiling, if they were not used in the renovation.

H-200

Added Detail 6/H-200 Exterior Pipe Supports. Rearranged Details 2/H-200 through 5/H-200 with no changes.

Diagram 1/H-200: Added “¾” Drain with hose and end connection with cap & chain” and revised the “Pipe Through Existing Wall Sleeves” to read “Pipe Through New Wall Openings.”

Diagram 2/H-200: Revised word in top note from “rely” to “relay”

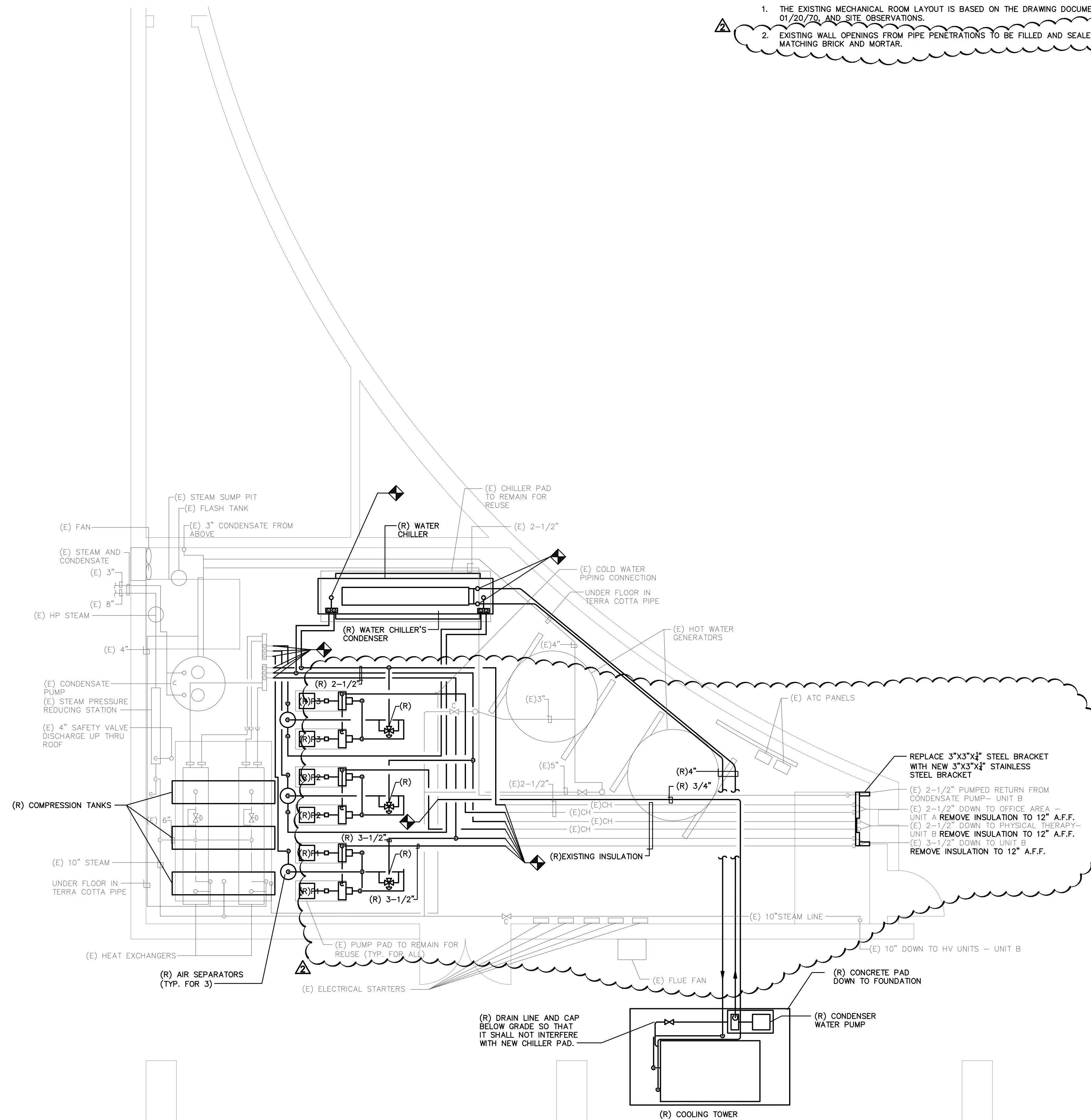
END ADDENDUM NO. 4

GENERAL NOTES:

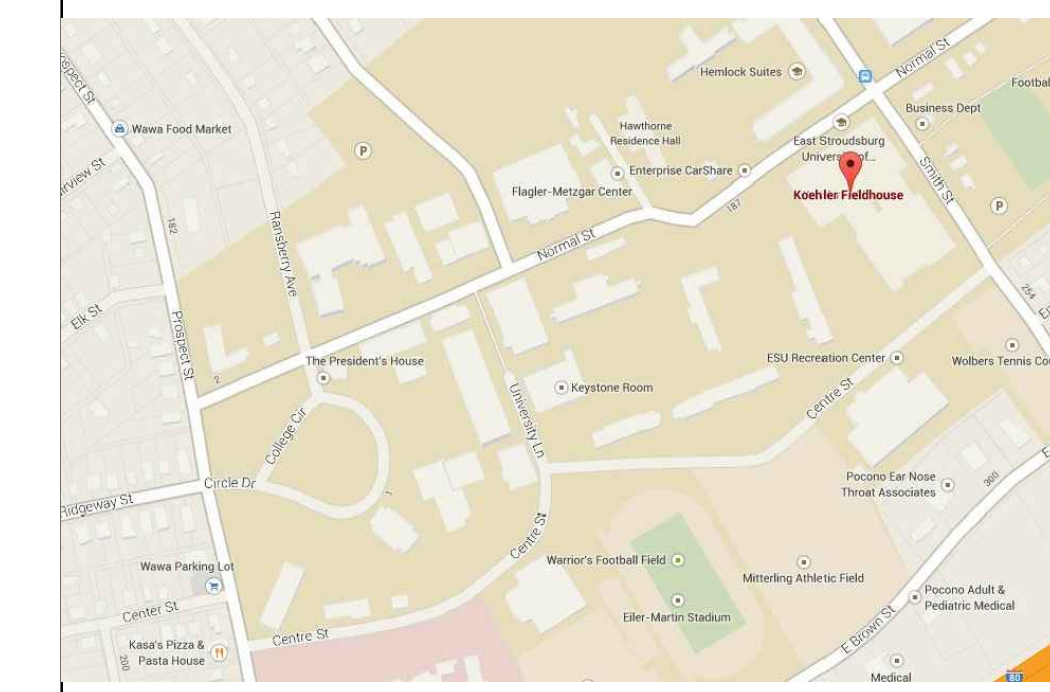
1. THE EXISTING MECHANICAL ROOM LAYOUT IS BASED ON THE DRAWING DOCUMENTS DATED 01/20/70, AND SITE OBSERVATIONS.
2. EXISTING WALL OPENINGS FROM PIPE PENETRATIONS TO BE FILLED AND SEALED WITH MATCHING BRICK AND MORTAR.

GENERAL DEMOLITION NOTES:

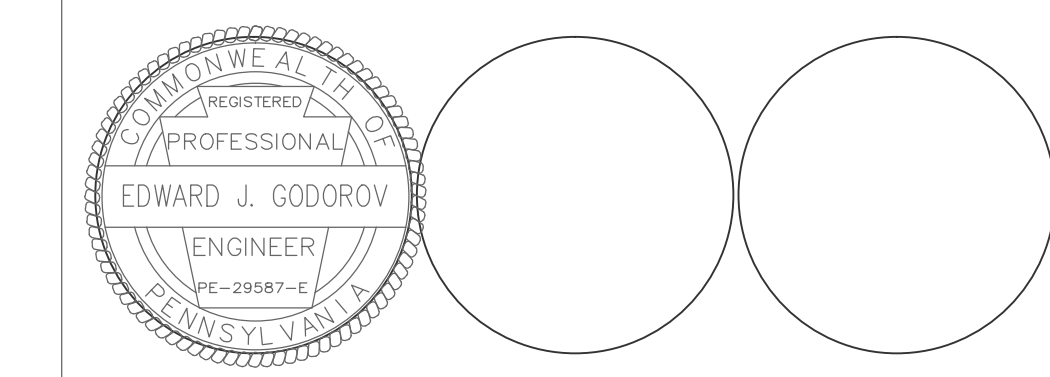
1. ALL SHUTDOWNS OF EXISTING SYSTEMS SHALL BE SCHEDULED AND APPROVED BY THE UNIVERSITY PRIOR TO COMMENCING WITH WORK.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, THE DISCREPANCY SHALL BE REPORTED TO THE UNIVERSITY AND ENGINEER FOR EXPEDITING AND RESOLUTION.
3. ALL ITEMS REMOVED SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR. ALL ITEMS WHICH ARE NOT TO BE STORED ON SITE, SHALL BE REMOVED FROM THE BUILDING IMMEDIATELY.
4. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT VALVES, CAPS AND/OR PLUGS FOR PIPING. DO NOT LEAVE ANY PIPES OPEN ENDED.
5. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
6. CONTRACTOR SHALL PROTECT ALL EQUIPMENT & PIPING NOT BEING REMOVED.
7. ALL DEMO WORK SHALL BE IN ACCORDANCE WITH THE PROJECT PHASING. REFER TO SPECIFICATIONS FOR CONTRACTORS RESPONSIBILITY. COORDINATE WITH ALL TRADES REMOVALS TO AVOID CONFLICTS. CONTRACTOR SHALL PATCH ALL FINISHES TO MATCH EXISTING.
8. APPURTENANCES SHALL INCLUDE BUT NOT BE LIMITED TO EQUIPMENT, PNEUMATIC CONTROL PIPING, CONTROLS, PIPING, SUPPORTS, HANGERS & COOLING TOWER PAD. COORDINATE WITH ALL TRADES REMOVALS TO AVOID CONFLICTS.
9. THE CONTRACTOR SHALL LEAVE ALL-THREAD HANGER RODS ATTACHED TO CEILING ABOVE VIBRATION ISOLATORS. ALL CLEVIS HANGERS SHALL BE REMOVED. REMOVE ALL VIBRATION ISOLATORS, ALL-THREAD BETWEEN ISOLATORS AND CLEVIS HANGERS FROM ALL PIPES THAT ARE BEING REMOVED FROM PROJECT.
10. IF ANY HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION THE UNIVERSITY SHALL BE NOTIFIED IMMEDIATELY FOR DISPOSITION.
11. THE DEMOLITION/RELOCATION WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THAT WHICH IS INDICATED ON THE DRAWING. THE CONTRACTOR SHALL VISIT THE SITE AND INCLUDE IN HIS SCOPE ALL DEMOLITION OF EXISTING ABANDONED SYSTEMS AND/OR RELOCATION OF ACTIVE SYSTEMS REQUIRED TO INSTALL ALL THE NEW WORK.
12. PRIOR TO START OF DEMOLITION, CONTRACTOR SHALL VERIFY THE DISPOSITION OF ALL EQUIPMENT WITH THE REPRESENTATIVE OF THE UNIVERSITY.
13. THE CONTRACTOR SHALL MODIFY AND REUSE EXISTING PIPE OPENINGS AND PROVIDE ADDITIONAL OPENINGS WHERE REQUIRED. PIPE OPENINGS NOT USED SHALL BE PATCHED TO MATCH EXISTING SURFACE.
14. PUMP PADS SHALL REMAIN AND BE REUSED FOR NEW PUMPS.
15. PRIOR TO THE START OF ANY WORK OR DEMOLITION, THE EXISTING PUMP SYSTEMS SHALL BE TESTED AND RECORDED FOR WATER FLOW, MOTOR RUN AMPS, STATIC HEAD PRESSURE CONDITIONS, CONTROL DEVICE OPERATION. THIS DATA, ALONG WITH AN ASSESSMENT OF THE OVERALL OPERATION AND GENERAL CONDITION OF THE EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER AS A SHOP DRAWING AS SOON AS THIS WORK IS COMPLETED.



1 MECHANICAL ROOM DEMOLITION PLAN
 MD-100 1/4"=1'-0"



APPROVALS
 DRAWINGS LISTED IN INDEX
 APPROVED: _____



STATE SYSTEM OF HIGHER EDUCATION
 EAST STROUDSBURG UNIVERSITY
 ESU 30-1436 PROJECT NO: 2013200138.001
 KOEHLER FIELDHOUSE AND NATATORIUM
 EAST STROUDSBURG UNIVERSITY
 MONROE COUNTY, PENNSYLVANIA

URBAN ENGINEERS
 530 Walnut St
 Philadelphia, Pennsylvania 19106
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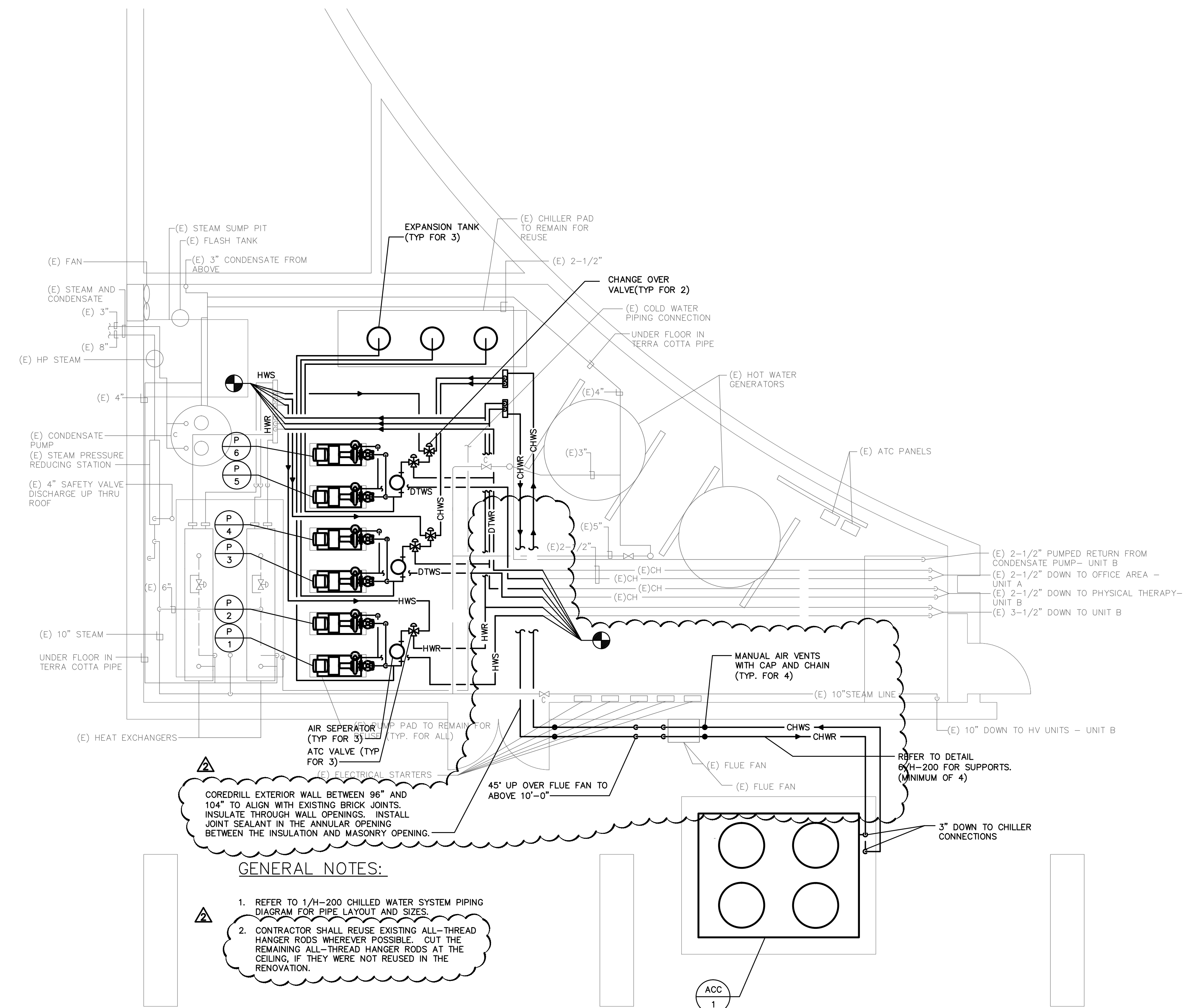
SUBMISSIONS / REVISIONS		
SYM.	DATE	DESCRIPTION
1	06/05/14	BIDDING
2	08/05/14	ADDENDUM #1

DRAWN BY: **AMP** DATE: **5 JUNE 2014** SHEET NO: **HD-100**
 CHECKED BY: **EG** SCALE: **AS NOTED**

AIR COOLED CHILLER SCHEDULE													ACC		
No.	Tons	Condenser Section				Cooler Section			Electrical Data			KW/Ton	Starter Location	Manufacturer & Model No.	
		Compr. No.	Compr. RLA	Fan Quant.	Fan HP	EWT °F	LWT °F	GPM	P.D. Ft.	Volts	Phase				Oper. KW
1	48.8	4	50.6	4	6.17	59	45	88	11.9	208	3	60.1	1.15	ON UNIT	REFER TO SPECIFICATIONS

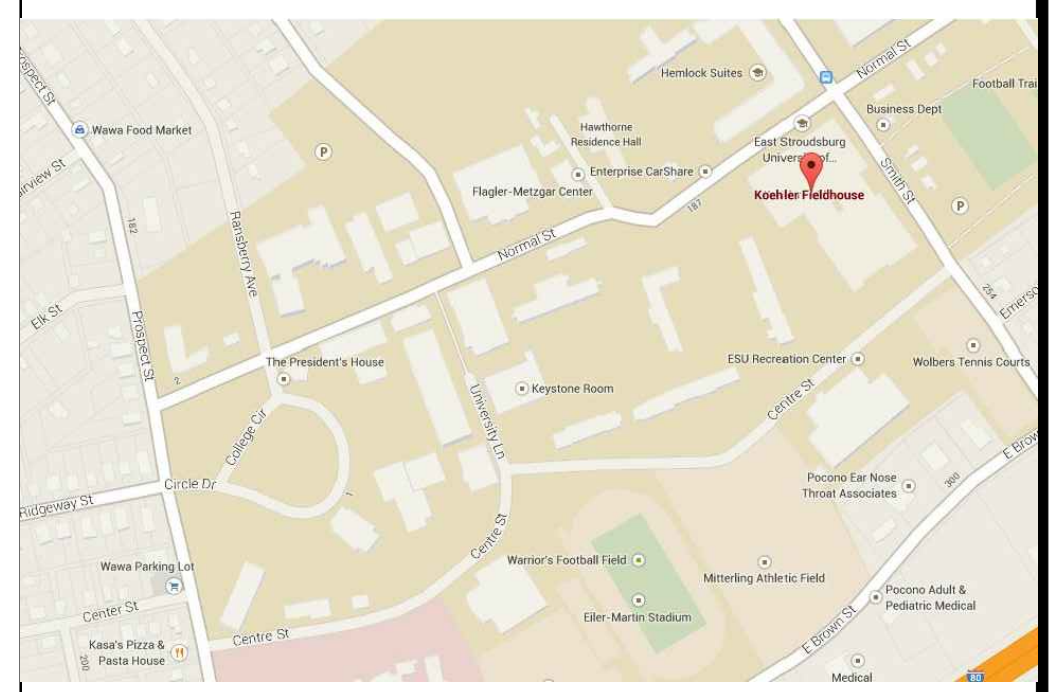
- NOTES:
- FACTORY MOUNTED DISCONNECT TO BE SUPPLIED WITH UNIT.
 - VALUES FOR TONS, COOLER SECTION, OPERATING KW, AND KW/TON ARE BASED ON WATER.
 - PROVIDE UNIT WITH PART WINDING START, GAUGES, STAGES 0/25/50/75/100%, HIGH RETURN WATER UNLOADER THERMOSTAT, HIGH AMBIENT UNLOADER PRESSURESTAT, PROTECTIVE COIL GUARDS, CIRCUIT BREAKERS, PHASE LOSS/VOLTAGE PROTECTION INDICATOR LIGHT PACKAGE AND CYCLE COUNTER AND RUN HOUR METER.

PUMP SCHEDULE										P
No.	System	GPM	Head in Feet	Motor HP	Volts	Phase	RPM	Manufacturer & Model No.	Remarks	
1+2	HOT WATER	95.7	35	1.5	208	3	1750	REFER TO SPECIFICATIONS	-	
3+4	CHILLED WATER	42.2	45	1.5	208	3	1750	REFER TO SPECIFICATIONS	-	
5+6	CHILLED WATER	56.4	35	1.5	208	3	1750	REFER TO SPECIFICATIONS	-	



- GENERAL NOTES:**
- REFER TO 1/H-200 CHILLED WATER SYSTEM PIPING DIAGRAM FOR PIPE LAYOUT AND SIZES.
 - CONTRACTOR SHALL REUSE EXISTING ALL-THREAD HANGER RODS WHEREVER POSSIBLE. CUT THE REMAINING ALL-THREAD HANGER RODS AT THE CEILING, IF THEY WERE NOT REUSED IN THE RENOVATION.

1 MECHANICAL ROOM LAYOUT
H-100 1/4"=1'-0"



APPROVALS

DRAWINGS LISTED IN INDEX

APPROVED: _____

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ESU 30-1436 PROJECT NO: 2013200138.001

KOEHLER FIELDHOUSE AND NATATORIUM
EAST STROUDSBURG UNIVERSITY
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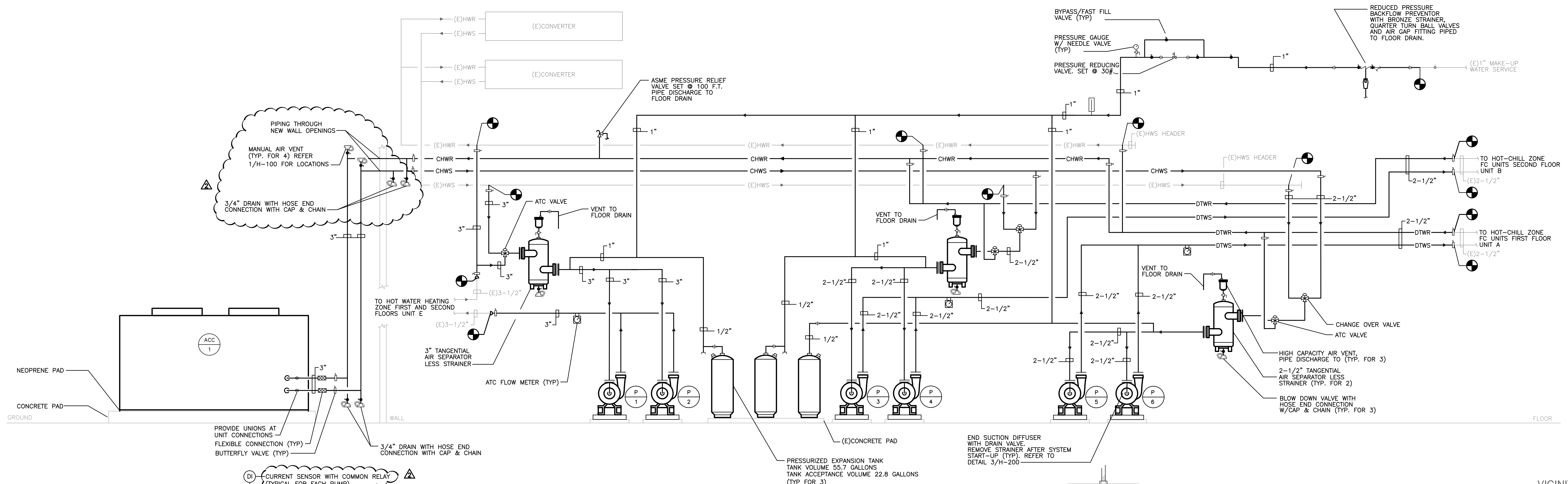
SUBMISSIONS / REVISIONS		
SYM.	DATE	DESCRIPTION
1	06/05/14	BIDDING
2	08/05/14	ADDENDUM #1

MECHANICAL ROOM NEW WORK PLAN

DRAWN BY: AMP DATE: 5 JUNE 2014 SHEET NO.: H-100

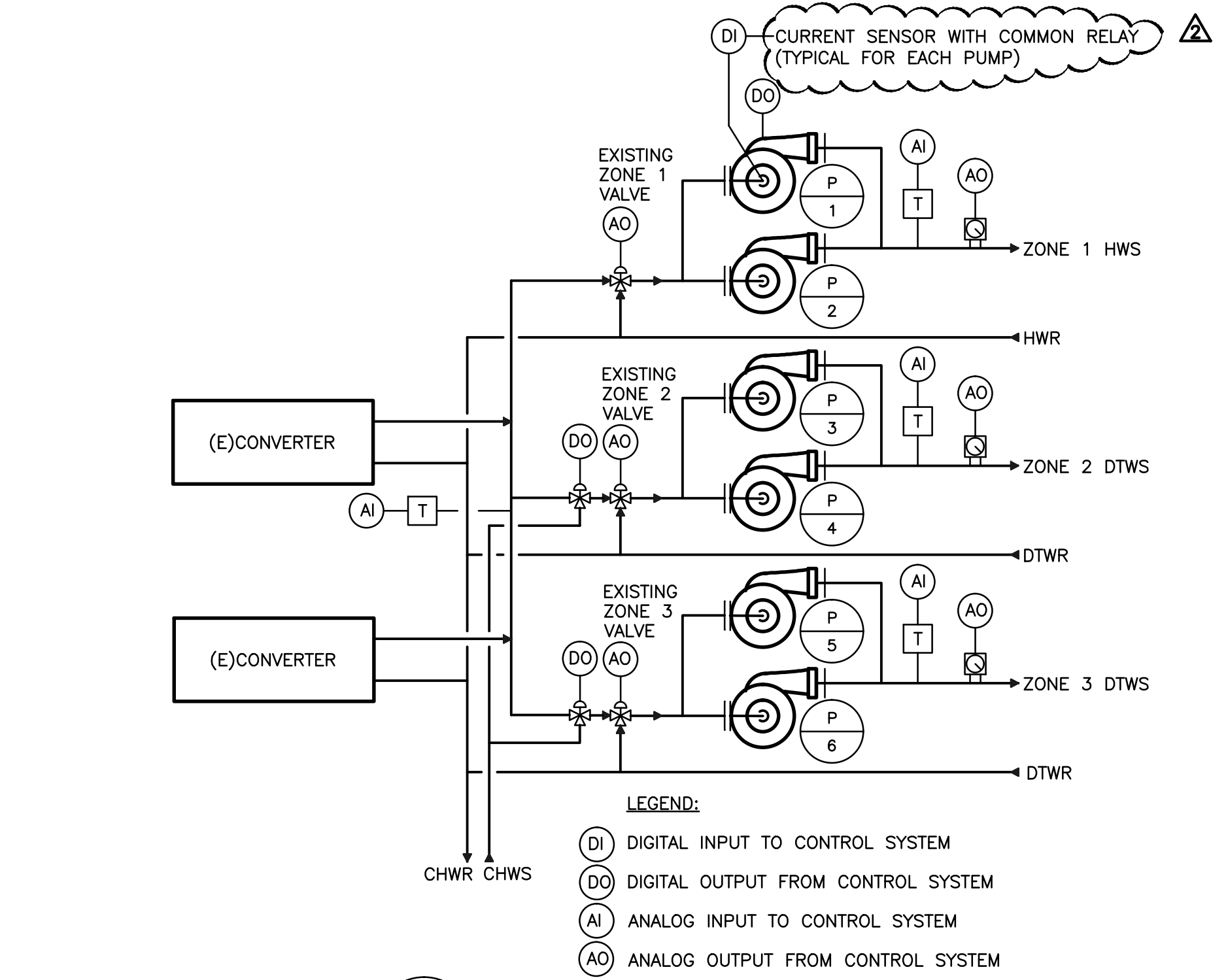
CHECKED BY: EG SCALE: AS NOTED

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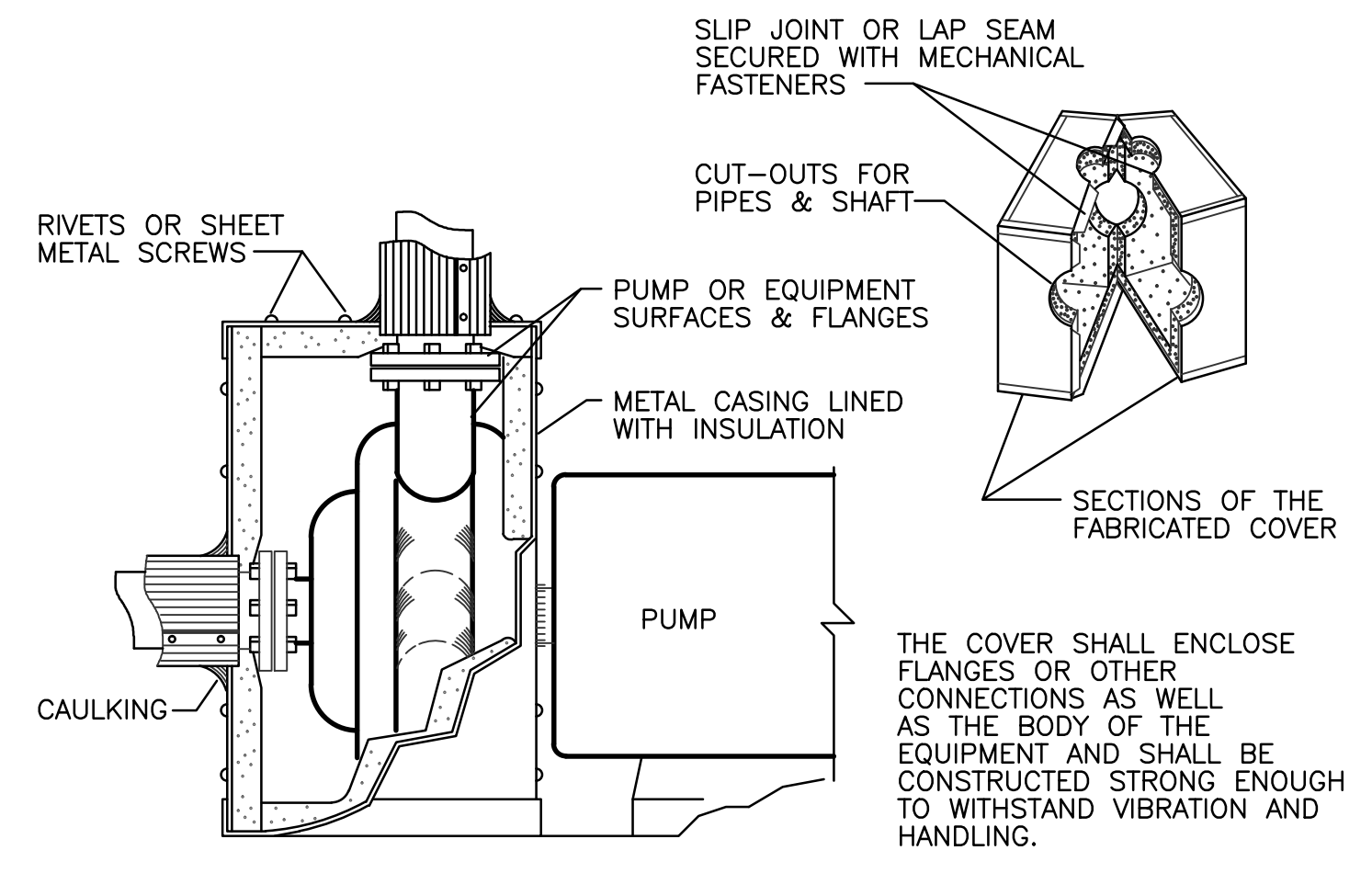


1 CHILLED WATER SYSTEM PIPING DIAGRAM
SCALE: NONE

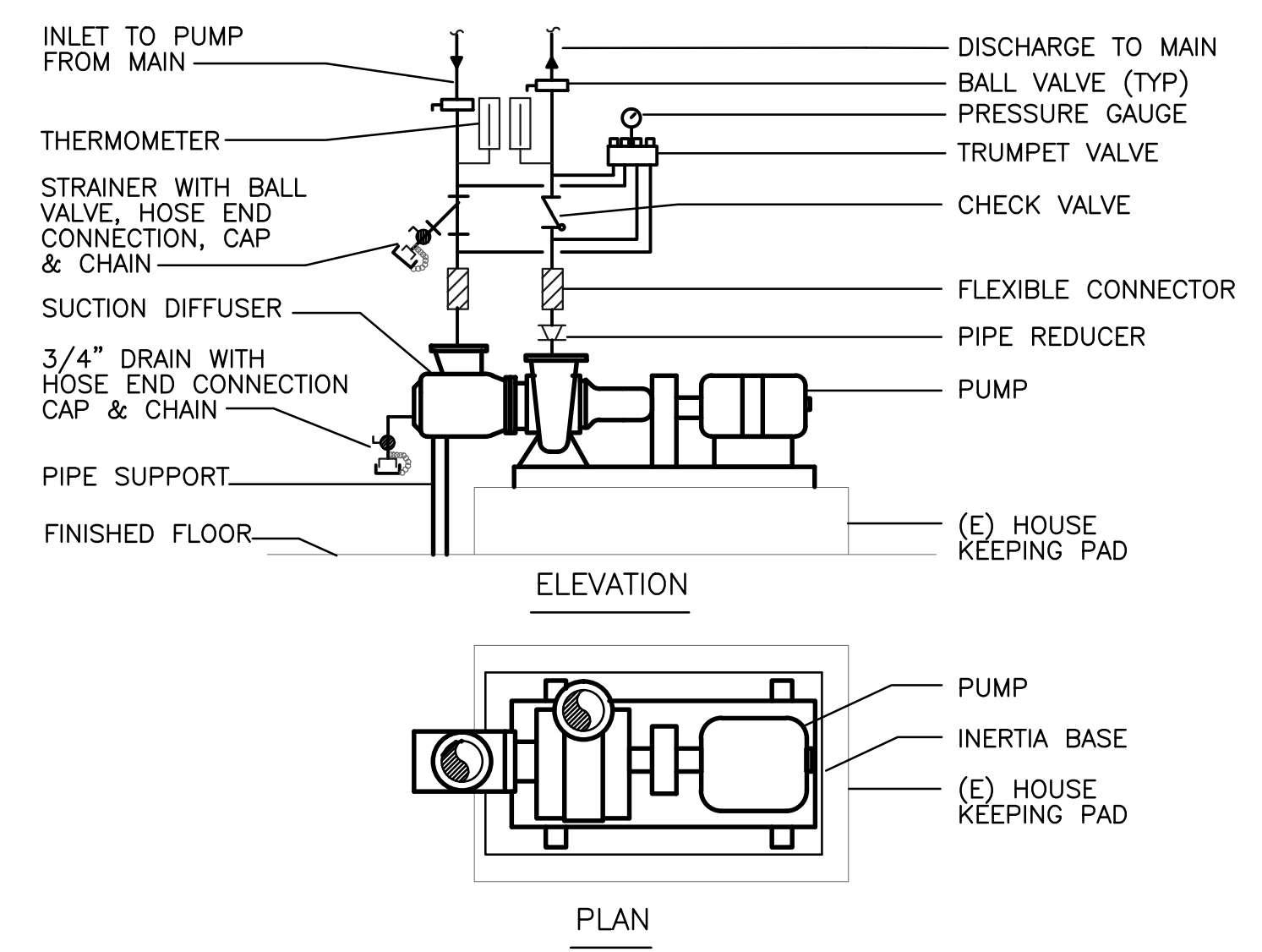
NOTES:
1. REFER TO 3/H-200 END SUCTION PUMP DETAIL FOR PIPE, GAUGE AND VALVE ARRANGMENT



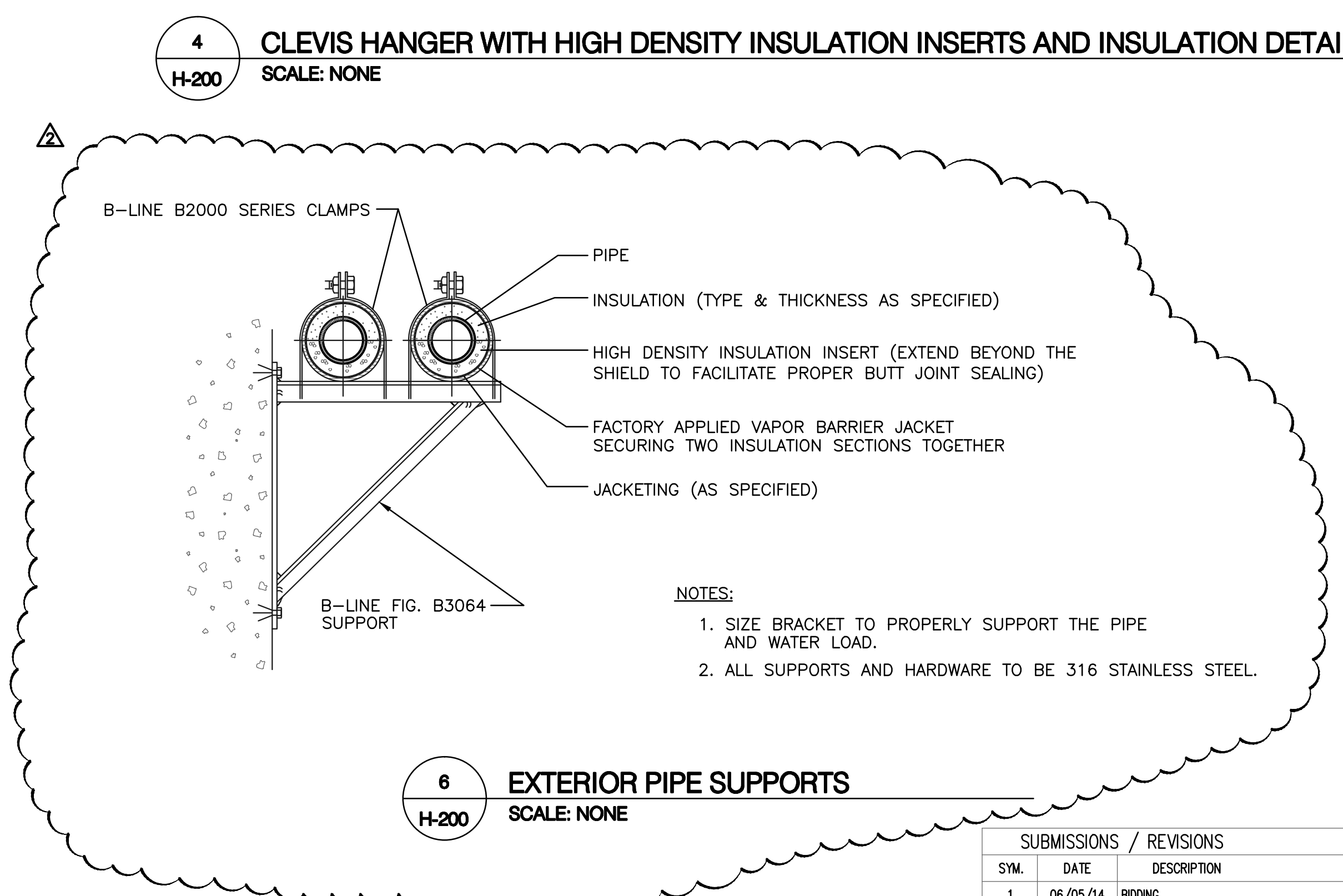
2 WATER SYSTEM CONTROL DIAGRAM
SCALE: NONE



5 REMOVABLE INSULATED PUMP HOUSING DETAIL FOR P-3, P-4, P-5 & P-6
SCALE: NONE

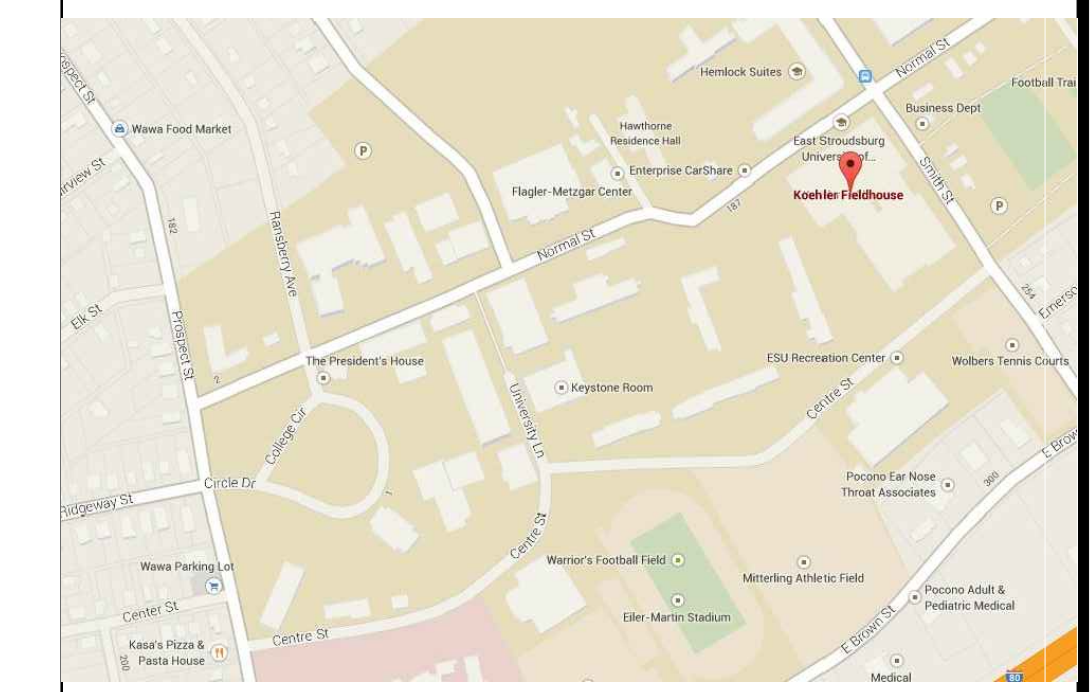


3 END SUCTION PUMP DETAIL
SCALE: NONE



4 CLEVIS HANGER WITH HIGH DENSITY INSULATION INSERTS AND INSULATION DETAIL
SCALE: NONE

6 EXTERIOR PIPE SUPPORTS
SCALE: NONE



APPROVALS

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MECHANICAL DETAILS AND DIAGRAMS

DRWN BY: AMP DATE: 5 JUNE 2014
CHECKED BY: EG SCALE: AS NOTED

H-200

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SUBMISSIONS / REVISIONS		
SYM.	DATE	DESCRIPTION
1	06/05/14	BIDDING
2	08/05/14	ADDENDUM #1