



**DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242**

ADDENDUM NO. 2 TO PROJECT NO. Q1661

**CONSTRUCTION, HVAC, PLUMBING AND ELECTRICAL WORK
REPLACE DOMESTIC WATER
HEATERS AND EPDM ROOFING
BUILDING NO. 9
ATTICA CORRECTIONAL FACILITY
EXCHANGE STREET
ATTICA, NY**

March 21, 2016

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

CHANGES TO ADDENDUM 1

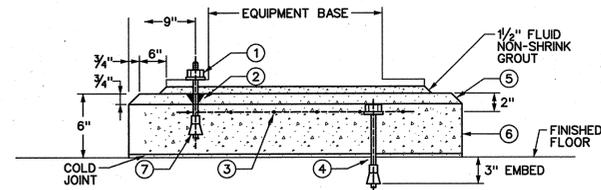
PLUMBING WORK DRAWINGS

1. Add the following drawings to Addendum 1, subparagraph numbers 40, 41, and 42.
 - a. Drawing P-001: Add drawing with revised P-001, dated March 16, 2016.
 - b. Drawing P-101: Add drawing with revised P-101, dated March 16, 2016.
 - c. Drawing P-402: Add drawing with revised P-402, dated March 16, 2016.

NO CONSTRUCTION, HVAC OR ELECTRICAL WORK DRAWINGS THIS ADDENDA

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction



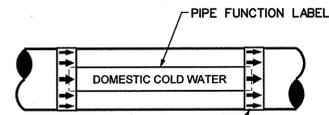
DETAIL NOTES:

- 1 EQUIPMENT ANCHOR BOLT, NUT AND WASHER SIZE & LOCATION AS REQUIRED TO MATCH EQUIPMENT BASE.
- 2 PLASTIC SLEEVE & ANCHOR.
- 3 #4 REINFORCING BARS, 12" O.C. EACH WAY (TO AC STANDARDS).
- 4 EQUIPMENT BASE TO FLOOR SLAB ANCHORS (INSIDE PERIMETER OF REBAR) 3/8" DIA. HILTI/RAMSET WEDGE TYPE ANCHORS 12" O.C. EACH WAY.
- 5 CHAMFER.
- 6 CONCRETE PAD 3,000 PSF CONCRETE, LENGTH & WIDTH, 6" GREATER THAN THE EQUIPMENT BASE PLATE.
- 7 HILTI/KWIKSET II OR RAMSET WEDGE ANCHOR TO FIT EQUIPMENT.
- 8 STUD FLUSH WITH JAM NUT, TIE WIRE TO REBAR.

CONCRETE HOUSEKEEPING PAD DETAIL

SCALE: NONE

1 P-001



FLOW DIRECTION LABEL. PROVIDE 360° WRAP OVERLAPPING BOTH ENDS OF THE PIPE FUNCTION LABEL AND MATCHING THE FLOW DIRECTION OF THE PIPE CONTENTS.

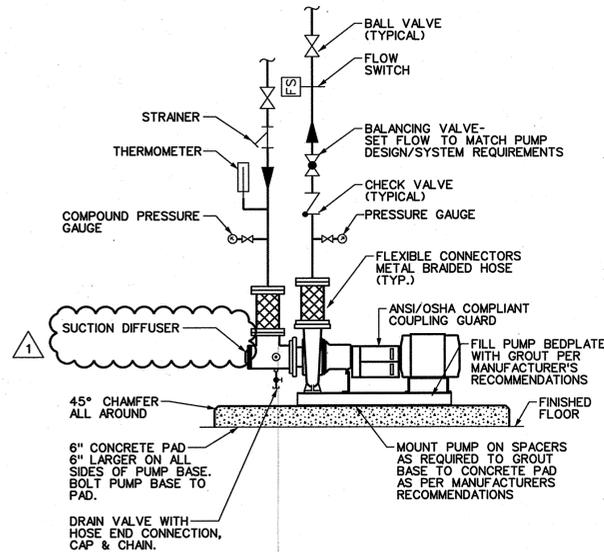
DETAIL NOTES:

- A. PROVIDE A PIPE LABEL FOR EACH PIPE FUNCTION.
- B. PROVIDE AT LEAST ONE LABEL ON EACH PIPE FOR EVERY ROOM THE PIPE PASSES THROUGH.
- C. PROVIDE LABELS IN LARGE SPACES ON MAXIMUM 20'-0" CENTERS FOR EVERY PIPE UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- D. LABELS TO BE LOCATED IN AN EASILY VISIBLE LOCATION AS THEY WOULD NORMALLY BE SEEN, I.E. ON THE BOTTOM HALF OF PIPES MOUNTED IN THE AIR AND ON THE TOP HALF OR SIDES OF PIPES MOUNTED SURFACES.
- E. LABELS SHALL BE, COLOR CODED, PRE-PRINTED, SELF ADHESIVE VINYL.
- F. SEE SPECIFICATION FOR OTHER REQUIREMENTS AND LIST OF PIPE FUNCTIONS.

PIPING IDENTIFICATION LABEL DETAIL

SCALE: NONE

2 P-001



DETAIL NOTES:

- A. REFER TO PUMP SCHEDULE ON THIS DRAWING FOR CAPACITY.

FLOOR MOUNTED RECIRCULATING PUMP DETAIL

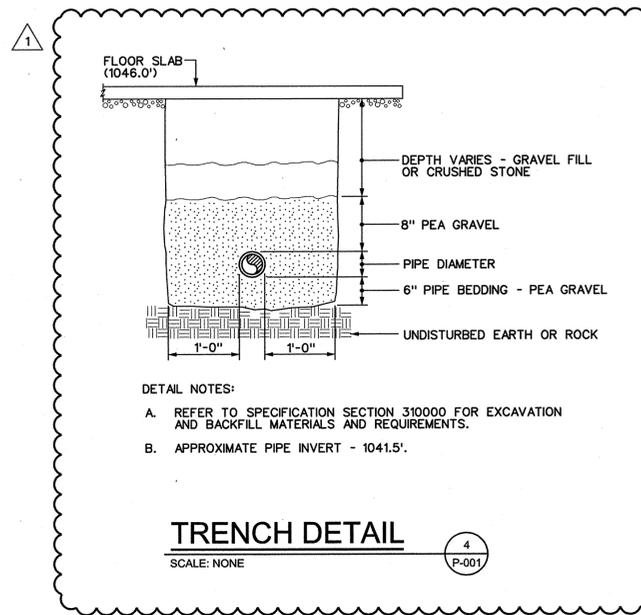
SCALE: NONE

3 P-001

WATER HEATER SCHEDULE							
NO.	SERVICE	TYPE	STEAM SUPPLY	MAX. FLOW RATE	TEMP RISE DEG F	FUEL TYPE	ELECTRIC
WH-1	FACILITY	HEAT EXCHANGER	50 PSIG	125 GPM	80	STEAM	120/1/60
WH-2	FACILITY	HEAT EXCHANGER	50 PSIG	125 GPM	80	STEAM	120/1/60
WH-3	FACILITY	HEAT EXCHANGER	50 PSIG	125 GPM	80	STEAM	120/1/60
WH-4	FACILITY	HEAT EXCHANGER	50 PSIG	125 GPM	80	STEAM	120/1/60

PUMP SCHEDULE								TYPE	
NO.	LOCATION	SERVICE	GPM	HEAD FT WATER	MOTOR HP	VOLTAGE	PHASE		RPM
1	POWER HOUSE	DHWR	40	50	1	240	3	3461	ECM, BASE MOUNTED CENTRIFUGAL
2	POWER HOUSE	DHWR	40	50	1	240	3	3461	ECM, BASE MOUNTED CENTRIFUGAL

PLUMBING SYMBOL LIST	
SYMBOL	DESCRIPTION
////	EXISTING WORK TO BE REMOVED
⊗	POINT OF CONNECTION
⊗	POINT OF DISCONNECTION
(E)	EXISTING
(E)	EXISTING PIPING
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
VTR	VENT THRU ROOF
BBF	BELOW FINISHED FLOOR
---	NEW PIPING LOCATED ABOVE FLOOR/SLAB
---	NEW PIPING LOCATED BELOW FLOOR/SLAB
---	COLD WATER PIPING (CW)
---	DOMESTIC HOT WATER PIPING (DHW)
---	DOMESTIC HOT WATER RECIRC PIPING (DHWR)
SAN	SANITARY SEWER PIPING
→	ELBOW DOWN
←	ELBOW UP
⊥	TOP TEE CONNECTION
---	PIPE CONTINUATION
---	CAP OR PLUG
---	CLEANOUT DECK PLATE (CODP)
---	FLOOR DRAIN (FD)
---	SHUT OFF VALVE (BV)
---	CHECK VALVE
---	BALANCING VALVE
---	STRAINER
---	"P" TRAP
M	WATER METER
---	REDUCER



DETAIL NOTES:

- A. REFER TO SPECIFICATION SECTION 310000 FOR EXCAVATION AND BACKFILL MATERIALS AND REQUIREMENTS.
- B. APPROXIMATE PIPE INVERT - 1041.5'.

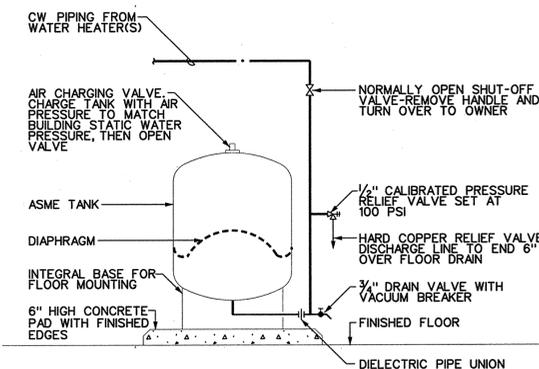
TRENCH DETAIL

SCALE: NONE

4 P-001

GENERAL NOTES

- A. THE LOCATIONS AND SIZES OF ALL PIPING, VALVES, FIXTURES, EQUIPMENT, ETC. ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
- B. THE PIPE ROUTINGS INDICATED ARE DIAGRAMMATIC. WHILE GENERAL REVIEW OF EXISTING OBSTRUCTIONS HAS BEEN INCORPORATED INTO THESE DRAWINGS, THEY DO NOT INDICATE EXACT LOCATIONS FOR EXISTING OR NEW PIPING NOR EVERY OFFSET, CHANGE IN ELEVATION, VALVE OR OTHER CONSIDERATION REQUIRED TO SUCCESSFULLY COMPLETE THE WORK. THE CONTRACTOR SHALL FIELD COORDINATE THE FINAL LOCATIONS OF ALL WORK PRIOR TO FABRICATING ANY PIPING.
- C. THE WORK WILL BE PERFORMED IN AN OCCUPIED AND FUNCTIONING FACILITY. ALL EXISTING PIPING SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL THE NEW PIPING INSTALLATION IS COMPLETE, HYDROSTATICALLY TESTED, CHLORINATED AND OPERATIONAL, UNLESS NOTED OTHERWISE. REMOVE WATER HEATERS AND ASSOCIATED PIPING, VALVES, ETC. WHEN AUTHORIZED BY DIRECTOR'S REPRESENTATIVE.
- D. SOME PIPING IS SHOWN OUT OF SCALE FOR CLARITY.
- E. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY CLEARANCES, ETC. PRIOR TO BEGINNING WORK.
- F. COORDINATE PIPE ROUTING WITH STRUCTURE, DUCTWORK, LIGHTS, PIPING, CONDUIT, ELECTRICAL PANELS, ETC. PIPING SHALL NOT BE INSTALLED DIRECTLY ABOVE ELECTRICAL PANELS.
- G. SHUT DOWNS FOR TIE-INS SHALL BE AS SHORT AS POSSIBLE TO MINIMIZE DISTURBANCES TO THE OPERATIONS WITHIN THE FACILITY. COORDINATE WITH DIRECTOR'S REPRESENTATIVE (TYPICAL).
- H. SLEEVE AND SEAL ALL PENETRATIONS THROUGH FIRE RATED AND WATERPROOFED CONSTRUCTION AS DESCRIBED IN SPECIFICATIONS.
- I. INSTALL ALL UTILITIES AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE. CONFIRM REQUIRED CLEARANCES AT EQUIPMENT IN FIELD.
- J. PERFORM ALL CUTTING, CORE DRILLING, ETC. NECESSARY TO COMPLETE THE RELATED WORK. PATCH CONSTRUCTION AFFECTED BY CUTTING, CORE DRILLING OR ANY OTHER OPERATIONS REQUIRED TO COMPLETE THE WORK TO MATCH ADJACENT SURFACES.
- K. ALL FASTENERS PROVIDED TO SUPPORT PIPING, VALVES, EQUIPMENT, ETC. SHALL BE VANDAL PROOF.
- L. PATCH ALL HOLES LEFT AFTER REMOVALS. RESTORE REQUIRED FIRE RATINGS.
- M. WHERE PIPING IS INDICATED TO BE REMOVED, CONTRACTOR SHALL REMOVE ALL INSULATION, ANCHORS, HANGERS, SUPPORTS, RODS, ETC., ASSOCIATED WITH PIPING BEING REMOVED AND DISPOSE OF PROPERLY. PATCH AND PAINT ALL HOLES IN FLOORS, WALLS ETC.



THERMAL EXPANSION TANK DETAIL

SCALE: NONE

5 P-001

CONSULTANT

M/E ENGINEERING P.C. MECHANICAL/ELECTRICAL ENGINEERING CONSULTANTS

Kideney Architects

SINGLETON Construction Consultants

SIENNA ENVIRONMENTAL TECHNOLOGIES

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

STATE OF NEW YORK PROFESSIONAL ENGINEER

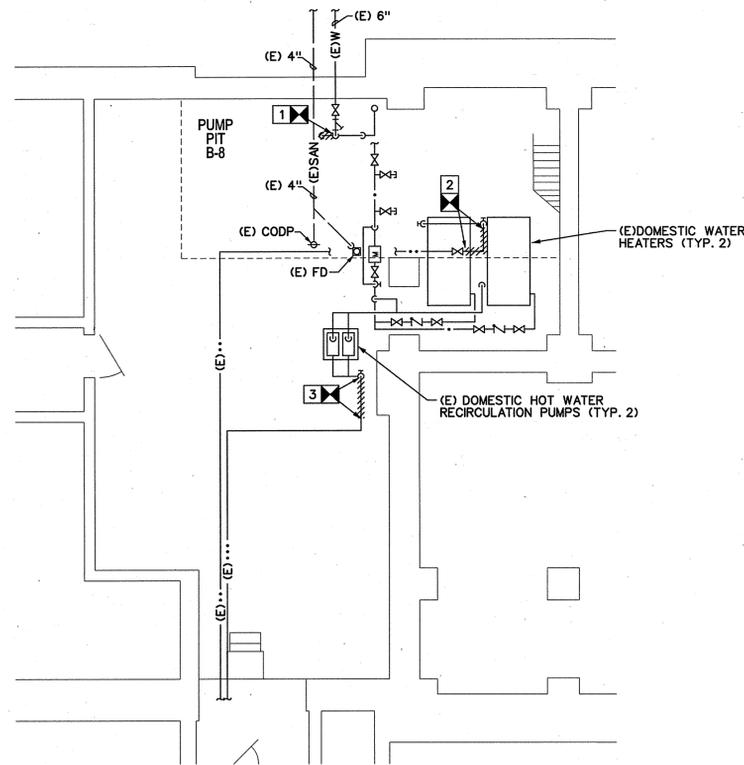
CONTRACT: PLUMBING

TITLE: REPLACE DOMESTIC WATER HEATERS AND EPDM ROOFING BUILDING NO. 9

LOCATION: ATTICA CORRECTIONAL FACILITY EXCHANGE STREET ATTICA, NEW YORK

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

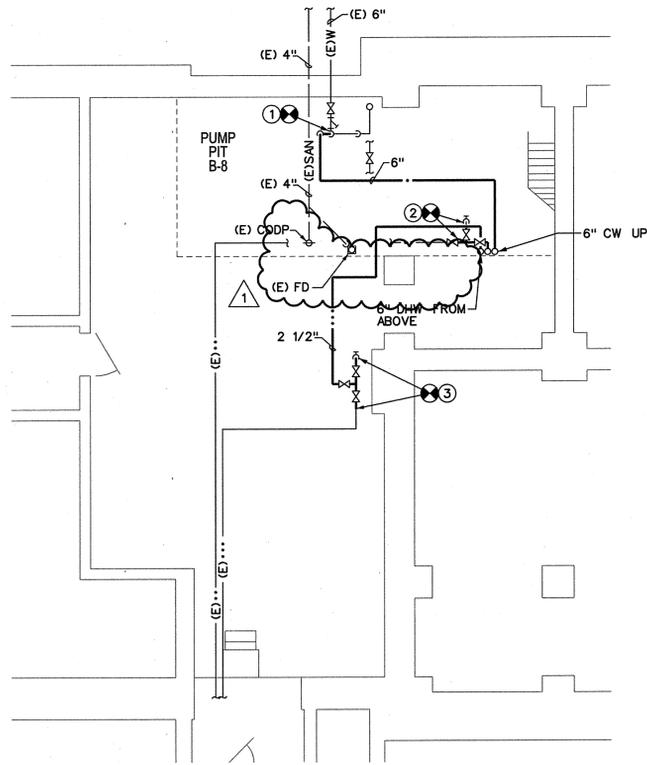
PROJECT NUMBER:	Q1661- P	
DESIGNED BY:	SJZ	
DRAWN BY:	SJZ	
FIELD CHECK:	AY	
APPROVED:		
SHEET TITLE: SYMBOLS LIST GENERAL NOTES AND DETAILS PLUMBING		
DRAWING NUMBER: P-001		
SHEET 16	OF 23	



PARTIAL BASEMENT PLAN - TIE-INS

SCALE: 1/8" = 1'-0"

1
P-101



PARTIAL BASEMENT PLAN - PLUMBING

SCALE: 1/8" = 1'-0"

2
P-101

REMOVAL NOTES:

- 1 REFER TO DRAWING P-401, DETAIL NO.1 FOR CONTINUATION.
- 2 REFER TO DRAWING P-401, DETAIL NO.3 FOR CONTINUATION.
- 3 REFER TO DRAWING P-401, DETAIL NO.6 FOR CONTINUATION.
- 4 REFER TO DRAWING P-401, DETAIL NO.5 FOR CONTINUATION.
- 5 REFER TO DRAWING P-401, DETAIL NO.8 FOR CONTINUATION.
- 6 CUT AND CAP PREVIOUSLY DISCONNECTED PIPING TO BEYOND WALL.
- 7 TO/ FROM WATER HEATERS. REFER TO DETAIL 2/ P-101 FOR CONTINUATION.

DRAWING NOTES:

- 1 REFER TO DRAWING P-401, DETAIL NO.2 FOR CONTINUATION.
- 2 REFER TO DRAWING P-401, DETAIL NO.4 FOR CONTINUATION.
- 3 REFER TO DRAWING P-401, DETAIL NO.7 FOR CONTINUATION.
- 4 REFER TO DRAWING P-402, DETAIL NO.1 FOR CONTINUATION.
- 5 CUT AND PATCH FLOOR AS REQUIRED FOR INSTALLATION OF SANITARY SEWER.
- 6 COLD WATER METER. COORDINATE CONNECTION TO BUILDING MANAGEMENT SYSTEM WITH SYSTEM EQUIPMENT VENDOR.
- 7 DOMESTIC HOT WATER METER. COORDINATE CONNECTION TO BUILDING MANAGEMENT SYSTEM WITH SYSTEM EQUIPMENT VENDOR.
- 8 TEMPERATURE SENSOR. COORDINATE CONNECTION TO BUILDING MANAGEMENT SYSTEM WITH SYSTEM EQUIPMENT VENDOR.
- 9 BTU METER CONTROL PANEL. COORDINATE CONNECTION TO BUILDING MANAGEMENT SYSTEM WITH SYSTEM EQUIPMENT VENDOR.
- 10 COORDINATE ALL PIPE HANGERS TO AVOID INTERFERENCE WITH OPERATION OF RAIL AND HOIST SYSTEM.
- 11 2" VENT FROM BELOW.

NEW YORK STATE OF OPPORTUNITY Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

W/E ENGINEERING P.C. MECHANICAL/ELECTRICAL ENGINEERING CONSULTANTS

Kideney Architects

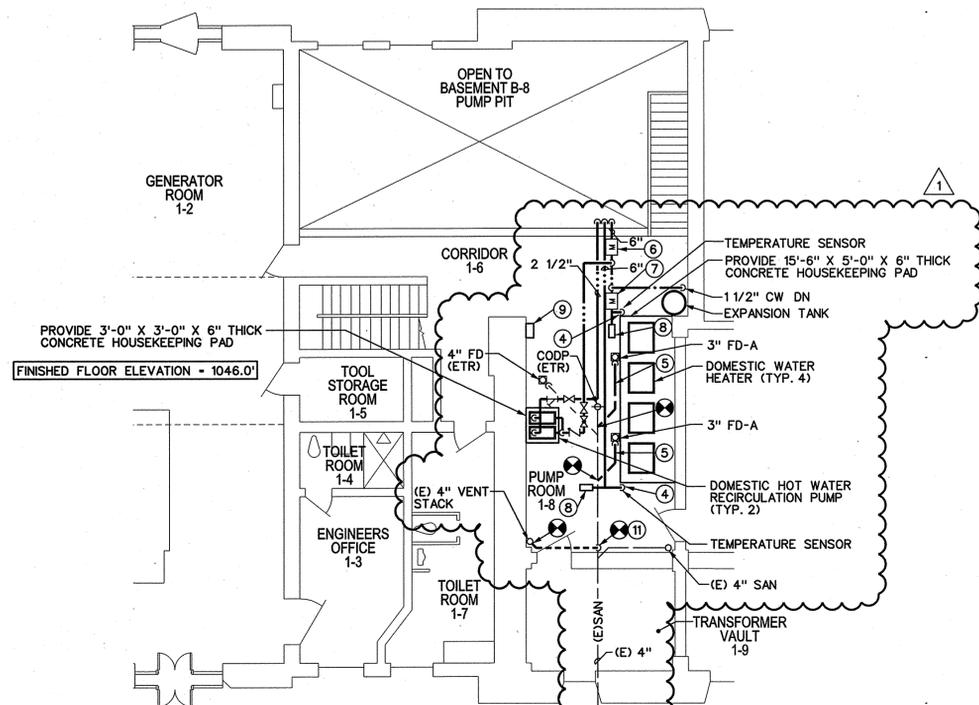
SINGLETON Construction Consultants

SIENNA ENVIRONMENTAL TECHNOLOGIES

STATE OF NEW YORK
OFFICE OF PROFESSIONAL SERVICES

CONTRACT: PLUMBING
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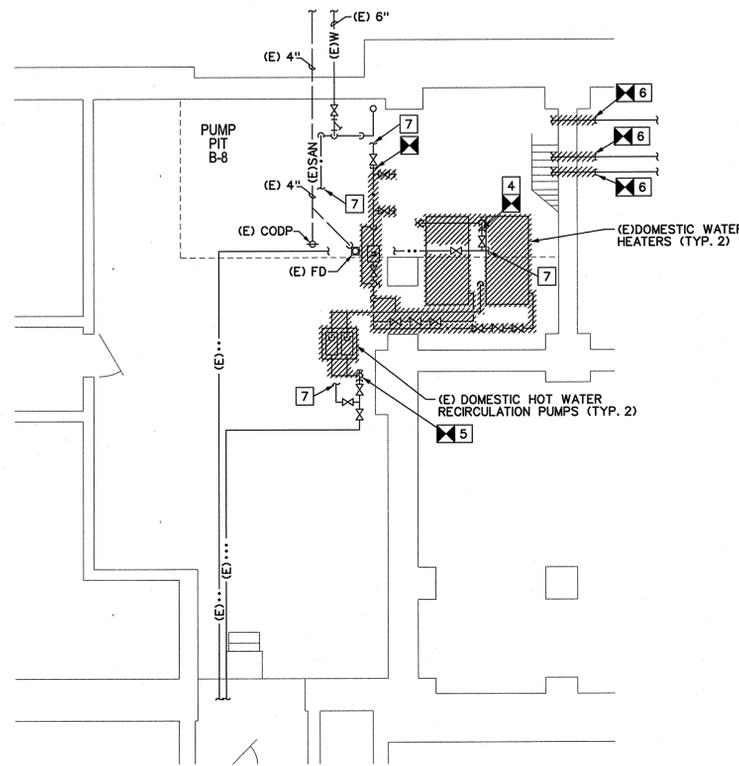
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PARTIAL FIRST FLOOR PLAN - PLUMBING

SCALE: 1/8" = 1'-0"

3
P-101



PARTIAL BASEMENT PLAN - REMOVALS

SCALE: 1/8" = 1'-0"

4
P-101

MARK	DATE	DESCRIPTION
△	03/16/2016	ADDENDUM No.1
	01/11/2016	BID DOCUMENTS

PROJECT NUMBER: **Q1661- P**

DESIGNED BY: **SJZ**

DRAWN BY: **SJZ**

FIELD CHECK: **AY**

APPROVED:

SHEET TITLE: **PARTIAL FLOOR PLANS PLUMBING**

DRAWING NUMBER: **P-101**

SHEET 17 OF 23

