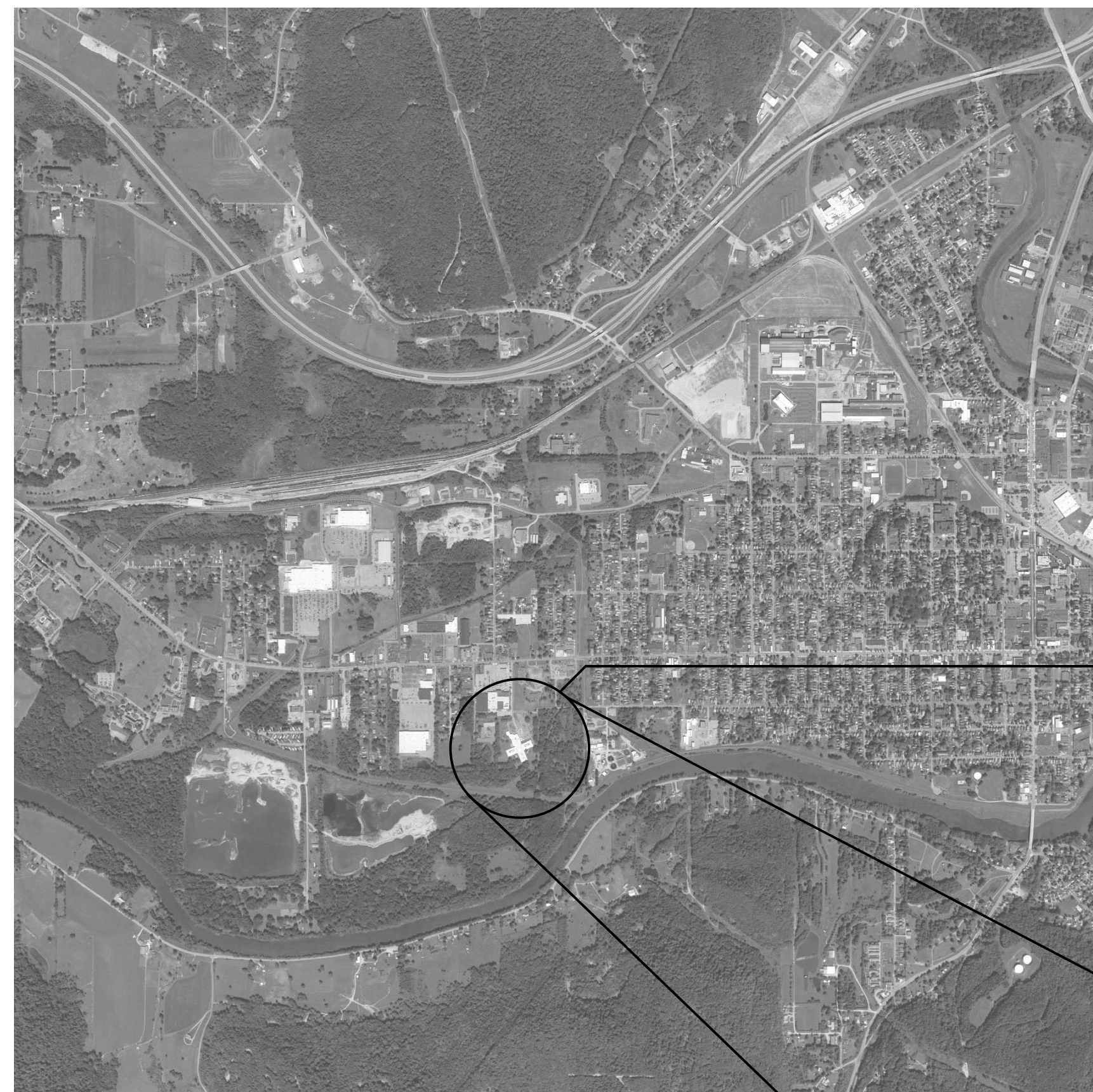




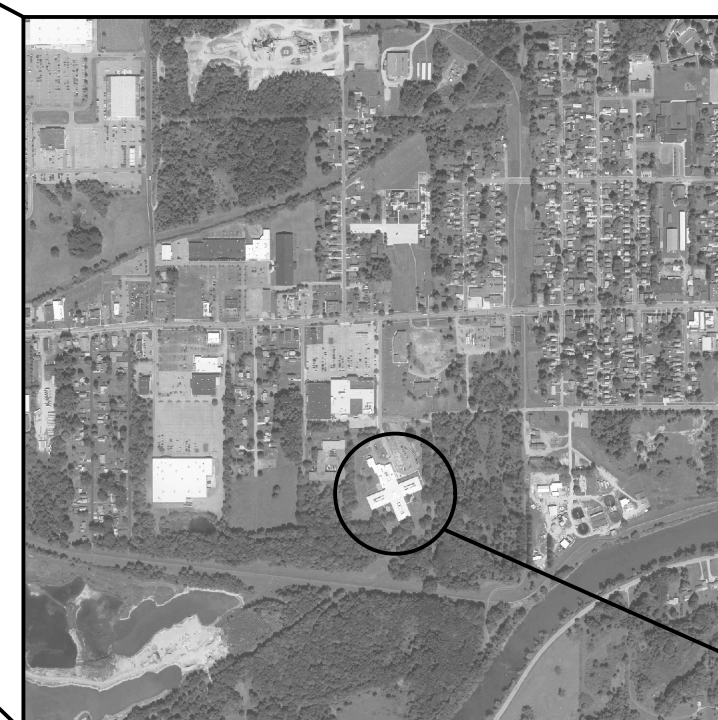
THE PINES HEALTHCARE & REHABILITATION CENTER, OLEAN CAMPUS

2254 WEST STATE STREET,
OLEAN, NY 14760

CATT COUNTY PINES WATER HEATER REPLACEMENT



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MARCH 23, 2020



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375 Essjay Road, Suite 200
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Wendel Project No. 307657



**PROJECT
LOCATION**

DRAWING INDEX

G000 COVERSHEET

HAZARDOUS MATERIALS

HM100 ASBESTOS ABATEMENT PARTIAL FLOOR PLAN

PLUMBING

P001 SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

PD101 PARTIAL FIRST FLOOR DEMOLITION PLAN

P101 PARTIAL FIRST FLOOR PLAN

P201 PLUMBING DETAILS AND SCHEDULES

THE PINES HEALTHCARE &
REHABILITATION CENTER, OLEAN
CAMPUS

RESIDENT TOILET & STAFF LOCKER
ROOM RENOVATIONS

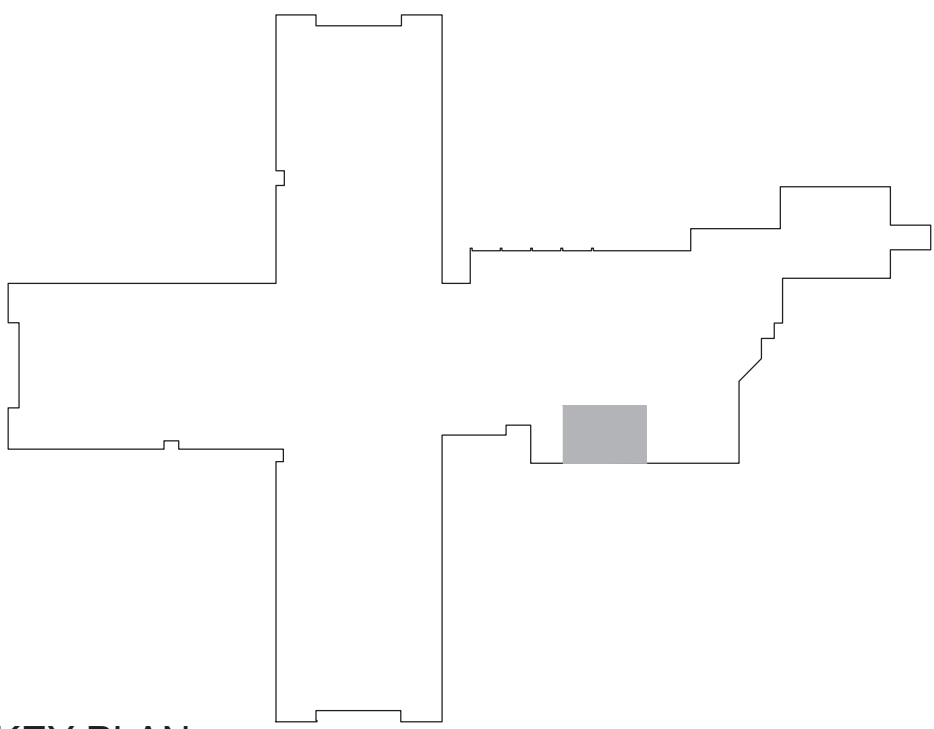
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PROJECT TEAM



G000



THE CONTRACTOR SHALL PERFORM ALL WORK, INCLUDING AREA CONTAINMENT MEASURES AND REMOVAL, IN STRICT ACCORDANCE WITH: THE PROJECT SPECIFICATION, ALL FEDERAL, STATE AND LOCAL REGULATIONS, AND ANY APPROPRIATE APPLICATION VARIANCES AND SITE SPECIFIC VARIANCES. APPLICABLE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO: OSHA 29 CFR 1926 SUBPART 2, 40 CFR PART 763 (AHERA), 40 CFR PART 61 SUBPART M (NESHAP STANDARD FOR DEMOLITION AND RENOVATION), AND NEW YORK STATE INDUSTRIAL CODE RULE 56.

B. AREAS UNDER ABATEMENT SHALL BE PROPERLY POSTED WITH WARNING SIGNS AND SECURED TO PREVENT UNAUTHORIZED ENTRIES.

C. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE WORK AREA IN A CLEAN AND SAFE CONDITION, PROVIDING TEMPORARY PROTECTION, PROTECTING BUILDING MATERIALS SCHEDULED TO REMAIN, AND TO PREVENT UNAUTHORIZED ACCESS DURING THE DURATION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR THE CLEAN UP OF ALL CONTAINMENT WORK AREAS; SPECIFICALLY TAPE/ADHESIVES RESIDUE FROM ALL SURFACES. REPAIR OF DAMAGE CAUSED AS A RESULT OF INADEQUATE TEMPORARY PROTECTION OR CONTRACTOR ACTIVITIES, INCLUDING DAMAGE TO FINISHES RESULTING FROM CONTAINMENT MEASURES, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

D. CONTRACTOR SHALL REFER TO THE ENTIRE SET OF CONTRACT DOCUMENTS FOR COORDINATION OF SCOPE.

E. THE LOCATION OF ANY ON-SITE STORAGE OF MATERIALS, EQUIPMENT, DUMPSTER/WASTE TRAILER AND DECONTAMINATION FACILITIES SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER AND THEIR CONSULTANT.

F. ALL ABATEMENT AND/OR REMOVAL OF ASBESTOS CONTAINING MATERIALS MUST PASS VISUAL INSPECTION AND CLEARANCE PROCEDURES PER 12NYCRR56 BEFORE GENERAL CONSTRUCTION WORK MAY COMMENCE.

G. A SITE SPECIFIC VARIANCE FOR THIS PROJECT HAS NOT BEEN APPLIED FOR. ANY VARIANCE APPLICATION PREPARED BY THE CONTRACTOR OR ITS AGENT MUST BE SUBMITTED TO THE OWNER AND THEIR CONSULTANT FOR APPROVAL PRIOR TO SUBMISSION TO THE STATE OF NEW YORK DEPARTMENT OF LABOR ENGINEERING SERVICES FOR PROCESSING. THE OWNER SHALL BEAR NO ADDITIONAL COST AS A RESULT OF THE APPROVAL OF, THE DENIAL OF, AND/OR CONDITIONS SET FORTH WITHIN THE SITE SPECIFIC VARIANCE.

H. THE PROJECT MANUAL INCLUDES EXISTING HAZARDOUS MATERIAL INFORMATION FOR CONTRACTOR REFERENCE. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE REPORT ON-SITE FOR THE DURATION OF THE PROJECT. QUANTITIES REPORTED WITHIN THE REPORT ARE APPROXIMATED.

I. IF DURING PROJECT WORK A SUSPECT HAZARDOUS MATERIAL IS FOUND THAT WILL BE IMPACTED BY THE SCOPE OF WORK, AND WHICH HAS NOT BEEN TESTED AS DOCUMENTED IN THE PRE-RENOVATION INSPECTION REPORTS, THE CONTRACTOR SHALL CEASE OPERATIONS, AND NOTIFY THE OWNER AND THEIR CONSULTANT IMMEDIATELY.

J. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER'S REPRESENTATIVE REGARDING THE DE-ENERGIZING OF ALL DEVICES, EQUIPMENT, AND FIXTURES TO BE REMOVED PRIOR TO THE COMMENCEMENT OF ABATEMENT ACTIVITIES.

NOTE: NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET
REFERENCE SPECIFICATION 028213.

1. REMOVE AND DISPOSE OF ASBESTOS CONTAINING HOT WATER TANK INSULATION. ASSOCIATED FIBERGLASS PIPE INSULATION AND MUDDED ELBOWS IN CONTAINMENT SHALL BE PROTECTED OR REMOVED AS ASBESTOS-CONTAMINATED WASTE. REMOVAL IS CONSIDERED OSHA CLASS I WORK. ALL WASTE IS CONSIDERED AN EPA REGULATED ASBESTOS CONTAINING MATERIAL.
2. REMOVE AND PROPERLY DISPOSE OF ASBESTOS CONTAINING BREECHING INSULATION. REMOVAL IS CONSIDERED OSHA CLASS I WORK. ALL WASTE IS CONSIDERED AN EPA REGULATED ASBESTOS CONTAINING MATERIAL.
3. REMOVE AND PROPERLY DISPOSE OF ASSUMED ASBESTOS CONTAINING FIRE DOOR AND ASSOCIATED FIRE DOOR FRAME. REMOVAL IS CONSIDERED OSHA CLASS I WORK. ALL WASTE IS CONSIDERED AN EPA REGULATED ASBESTOS CONTAINING MATERIAL.

 HATCH 1 APPROXIMATE LOCATION OF HOT WATER TANK INSULATION. REFERENCE KEYED ASBESTOS REMOVAL NOTE 1.

 HATCH 2 APPROXIMATE LOCATION OF BREECHING INSULATION. REFERENCE KEYED ASBESTOS REMOVAL NOTE 2.

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WG. TITU

PARTIAL FIRST FLOOR PLAN



SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	MARCH 11, 2020		
SCALE	AS NOTED		
DWN.	ES	CHK.	SF
PROJ. No.	3076-67		
DWG. No.			

DWG. No.

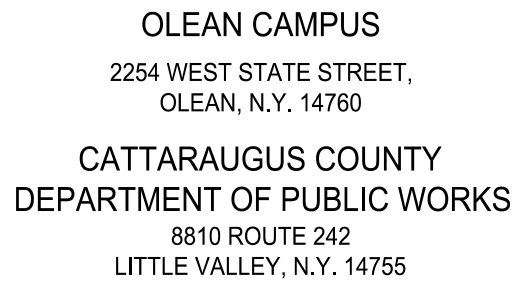
HM100

AC	AIR COMPRESSOR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AR	APPLIANCE REGULATOR
ASC	ABOVE SUSPENDED CEILING
AWC	AUTOMATIC WASHER CONNECTION
BAV	BALANCING VALVE
BC	BALANCING COCK
BFP	BACKFLOW PREVENTER
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
CA	COMPRESSED AIR
CB	CATCH BASIN
CFH	CUBIC FEET PER HOUR
CHKV	CHECK VALVE
CI	CAST IRON
CO	CLEANOUT
COMP	COMPARTMENT
CONN	CONNECTION
CSS	CLINICAL SERVICE SINK
CW	COLD WATER
CWU	COLD WATER FIXTURE UNIT
CWP	CIRCULATING WATER PUMP
D	DRAIN LINE
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DIP	DUCTILE IRON PIPE
DIW	DEIONIZED WATER
DN	DOWN
DS	DOWNSPOUT
DSN	DOWN SPOUT NOZZLE
DWH	DOMESTIC WATER HEATER
DWW	DROP TO WASTE/RISE TO VENT
EC	ELECTRICAL CONTRACTOR
EST	EMERGENCY STORM SEWER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWI	ELECTRIC WATER HEATER
EXST	EXISTING
F	FAHRENHEIT DEGREES
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEANOUT
FCF	FLOOR CONTROL FITTING (GREASE INTERCEPTOR)
FDD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FS	FIRE PROTECTION PIPING
FS	FLOOR SINK
FT	FOOTING TILE
G	GAS
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GLV	GLOBE VALVE
GM	GAS METER
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
GTV	GATE VALVE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HP	HORSEPOWER

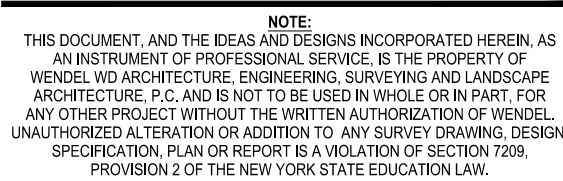
	SHUT-OFF VALVE (GATE, BALL, ETC.)
	BALANCING VALVE (X INDICATES GPM)
	SHUT-OFF VALVE IN RISER
	CHECK VALVE
	STRAINER
	BRANCH CONNECTION - BOTTOM
	BRANCH CONNECTION - TOP
	ELBOW - TURNED DOWN
	ELBOW - TURNED UP
	CAP
	CLEANOUT (FLOOR/WALL)
	FLOOR DRAIN
	FLOOR SINK
	ROOF DRAIN ABOVE/BELOW DECK
	WALL HYDRANT
	HOSE BIBB
	REDUCER
	UNION
	PIPE GUIDE (PG)
	PIPE ANCHOR (PA)
	WATER HAMMER ARRESTOR (X INDICATES PDI SIZE)
	FLEXIBLE CONNECTOR
	DIRECTION OF FLOW
	POINT OF CONNECTION/REMOVAL

— CW —	COLD WATER
— HW —	HOT WATER
— HWR —	HOT WATER RETURN
— SAN —	SANITARY SEWER
— GW —	GREASE WASTE
— ST —	STORM SEWER
- - - V - - -	VENT

1. THIS LEGEND SHEET IS FOR CONTRACTOR REFERENCE ONLY. NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEM FROM THE PROJECT.
2. THE PLANS ARE DIAGRAMMATIC AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES, IN COOPERATION AND COORDINATION WITH THE WORK OF ALL OTHER TRADES. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT, BUT THE CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
3. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND SPECIFICATIONS.
4. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATIONS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK WITH THAT OF OTHER CONTRACTORS.
5. INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.
6. PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL LOCATIONS.
7. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
8. COMPLY WITH THE NEW YORK STATE UNIFORM BUILDING CODE, 2015 INTERNATIONAL PLUMBING CODE, AND THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.



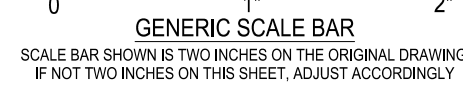
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DWG. TITLE

SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES



DATE	MARCH 23, 2020		
SCALE	AS NOTED		
DWN.	TIP	CHK.	JTW
PROJ. No.	3076-67		
DWG. No.			

DWIG, No

P001



1. REMOVE EXISTING WATER HEATER, RECIRC PUMP (IN RISER), AND PIPING BACK TO LIMITS SHOWN. REMOVE 14" Ø FLUE CONNECTION (APPROX. 3 FEET) TO BREACHING ABOVE WATER HEATERS. CAP EXISTING OPENING AND INSULATE. REMOVE ALL ASSOCIATED WIRING AND CONTROLS BACK TO PANELS.
2. REMOVE EXISTING STORAGE TANK, INSULATION AND ASSOCIATED PIPING BACK TO LIMITS SHOWN. TANK WILL NEED TO BE CUT INTO PIECES TO REMOVE THROUGH DOORWAYS.
3. REMOVE EXISTING CIRC PUMP (IN DROP), FLOOR MOUNTED SUPPORT SYSTEM WITH PLYWOOD BACK AND ASSOCIATED PIPING BACK TO LIMIT SHOWN. REMOVE ALL ASSOCIATED WIRING AND CONTROLS BACK TO PANELS.
4. REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING BACK TO LIMIT SHOWN.

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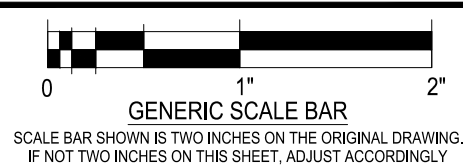


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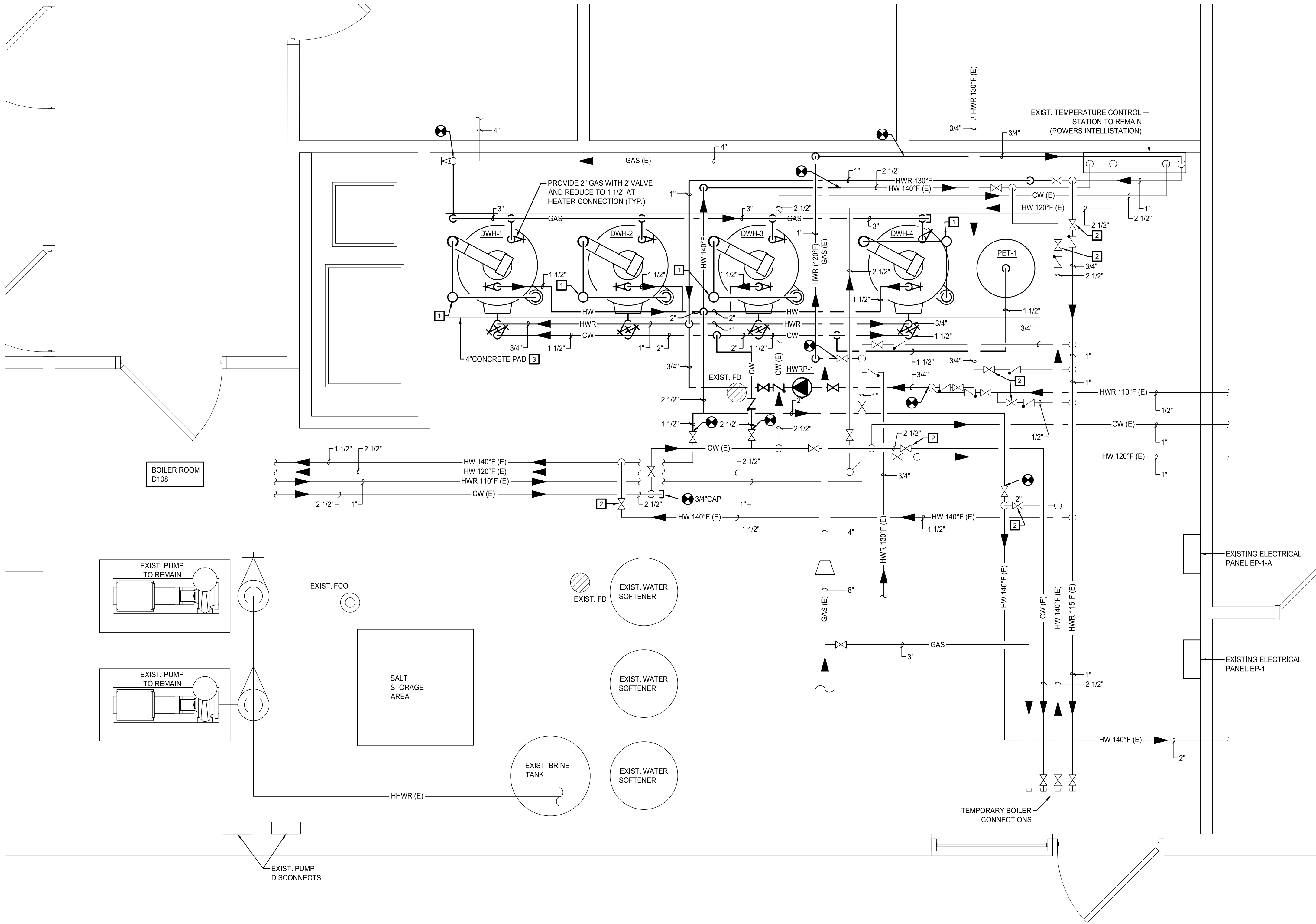
DWG. TITLE

PARTIAL FIRST FLOOR PLAN



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PROJ. No.	3076-67		
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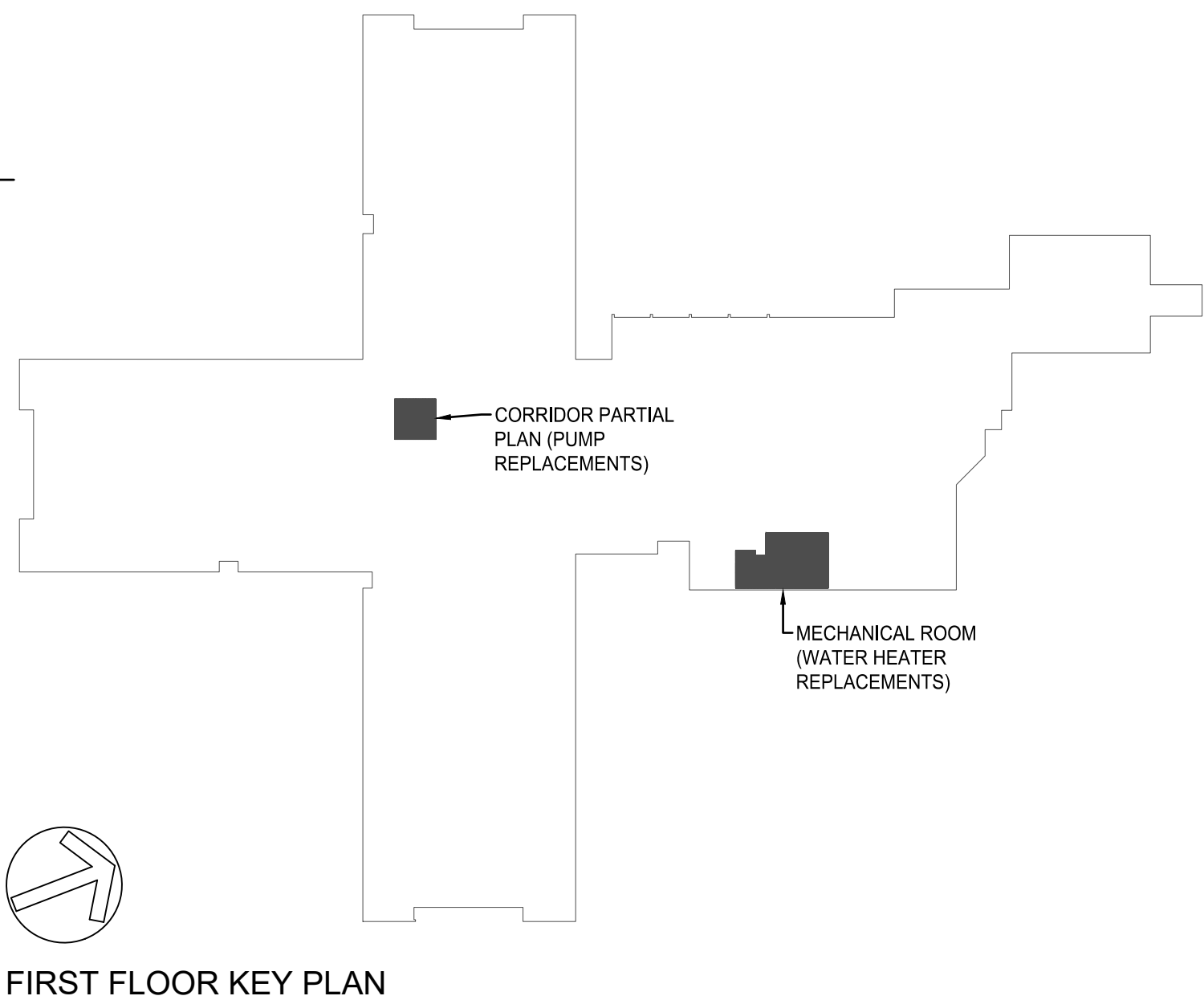
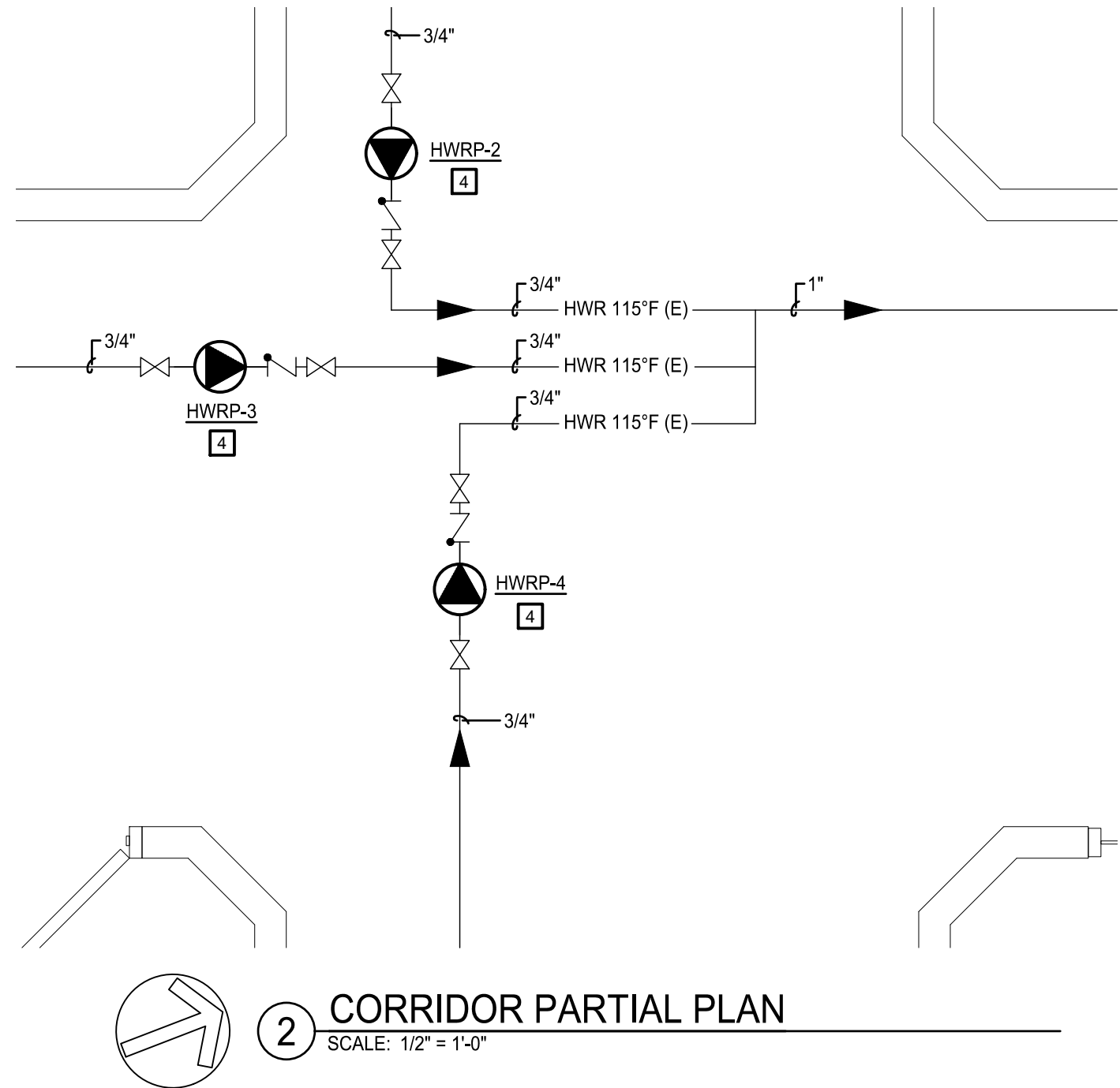
PD101



ASBESTOS AWARENESS NOTES:

ASBESTOS-CONTAINING MATERIALS HAVE BEEN IDENTIFIED FOR THIS PROJECT. REFER TO HAZARDOUS MATERIALS INSPECTION REPORT (FOUND WITHIN PROJECT MANUAL). COORDINATE REMOVALS WITH ABATEMENT DRAWINGS. ANY REMOVAL OR DISTURBANCE TO AN ASBESTOS CONTAINING MATERIAL MUST BE CONDUCTED BY A LICENSED CONTRACTOR.

- CONSTRUCTION NOTES:**
- PROVIDE 4" EXHAUST AND 4" INTAKE AIR FROM HEATER TO ECCENTRIC VENT KIT UP THROUGH ROOF (TYPICAL AT ALL 4 HEATERS). VENT AND INTAKE PIPE TO BE SCHEDULE 40 CPVC. COORDINATE ROUTING OF PIPING WITH LIGHTS.
 - VALVE TO BE CLOSED ONCE WATER HEATERS ARE OPERATIONAL.
 - PROVIDE 4" CONCRETE PAD FOR WATER HEATERS AND EXPANSION TANK. PAD TO EXTEND 4" BEYOND FOOTPRINT OF EQUIPMENT IN ALL DIRECTIONS.
 - REMOVE AND REPLACE EXISTING B&G PL-308 PUMPS LOCATED WITHIN CORRIDOR CEILING. REFER TO EQUIPMENT SCHEDULES FOR ADDITIONAL INFORMATION.



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CATTARAUGUS COUNTY
DEPARTMENT OF PUBLIC WORKS
8810 ROUTE 242
LITTLE VALLEY, N.Y. 14755

CATT COUNTY PINES WATER HEATER REPLACEMENT

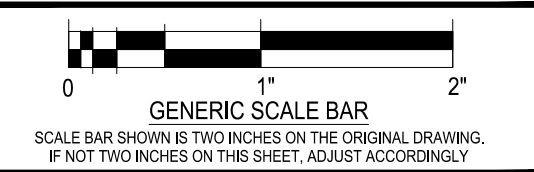
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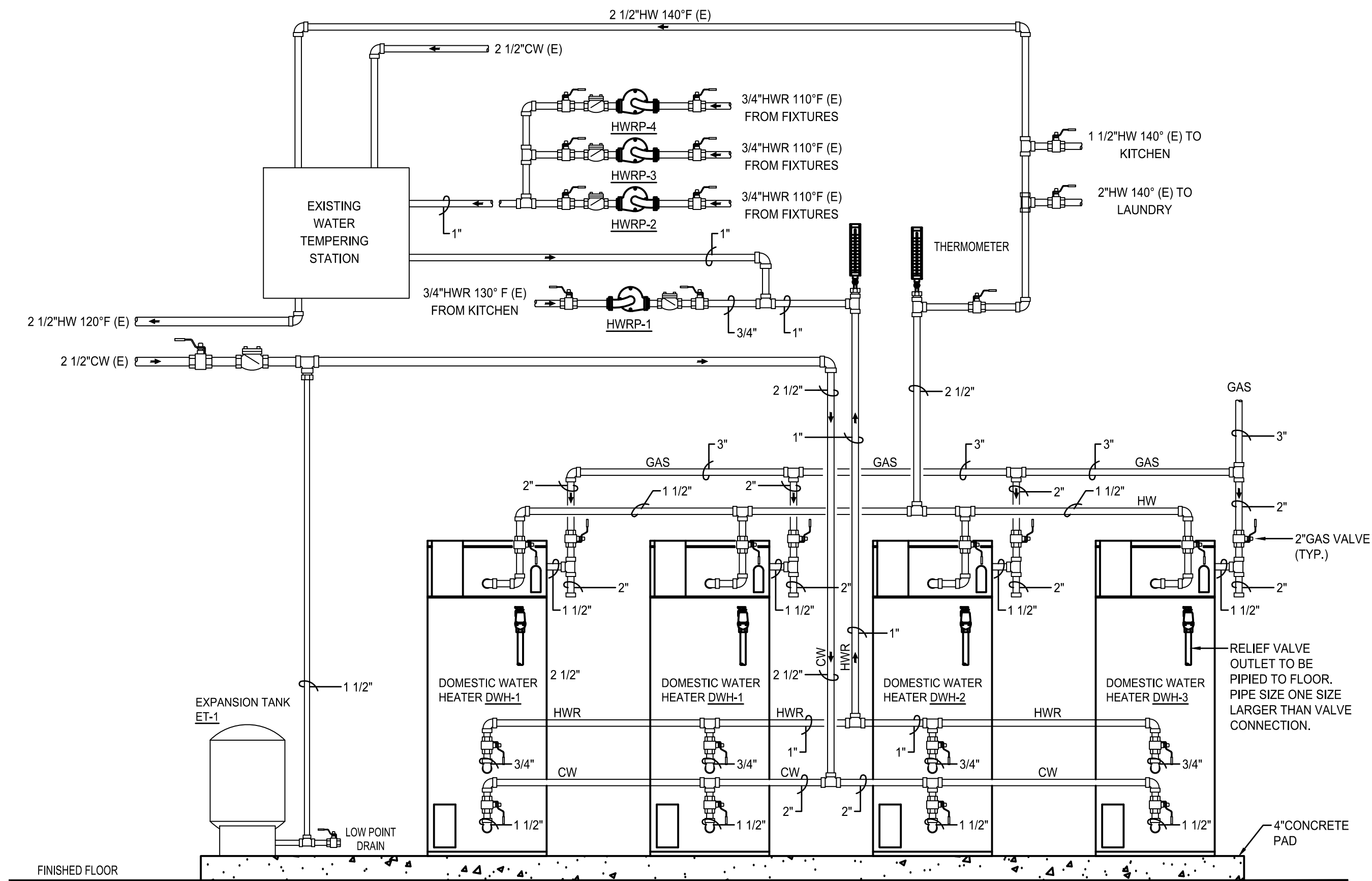
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PARTIAL FIRST FLOOR PLAN

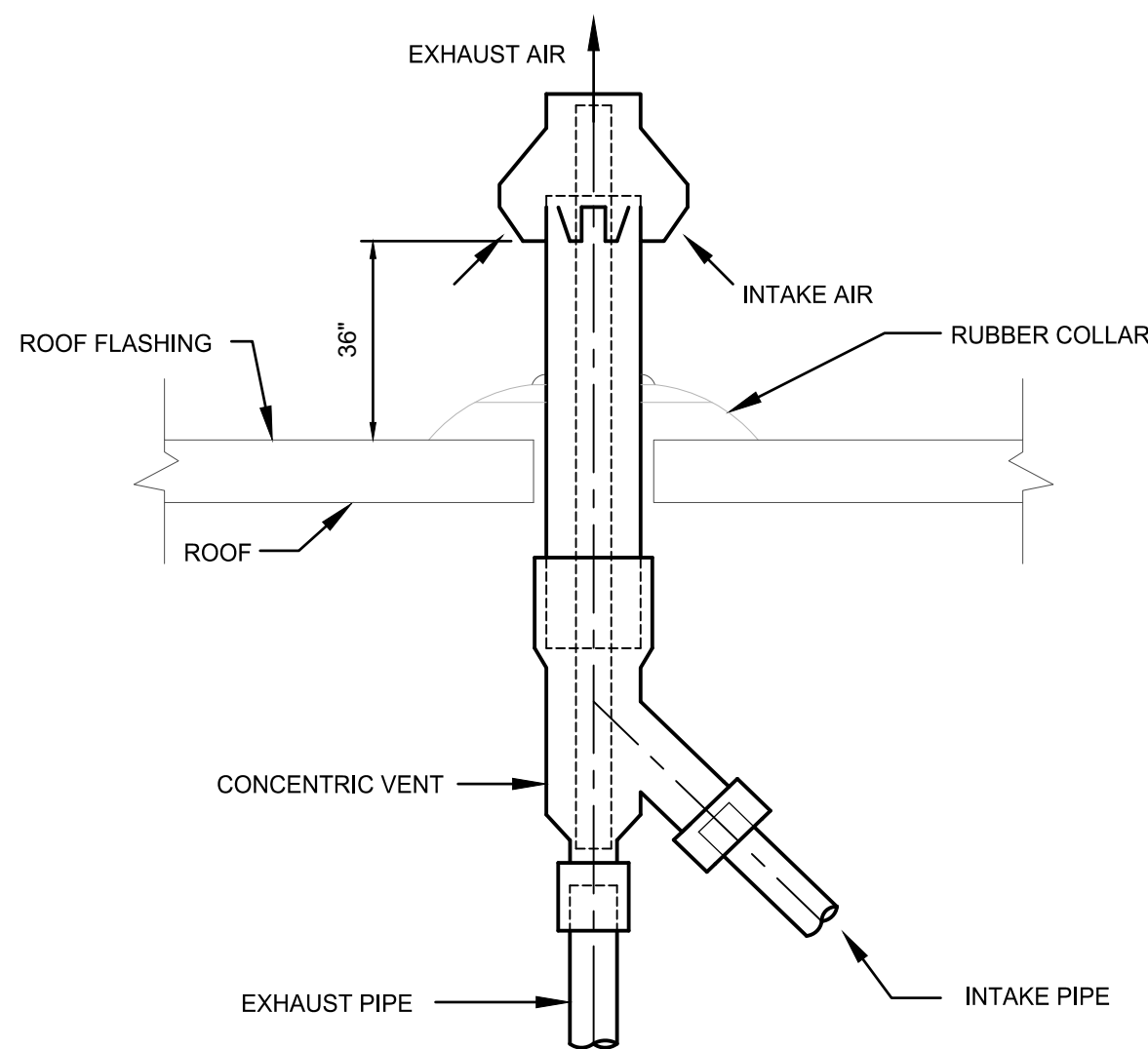


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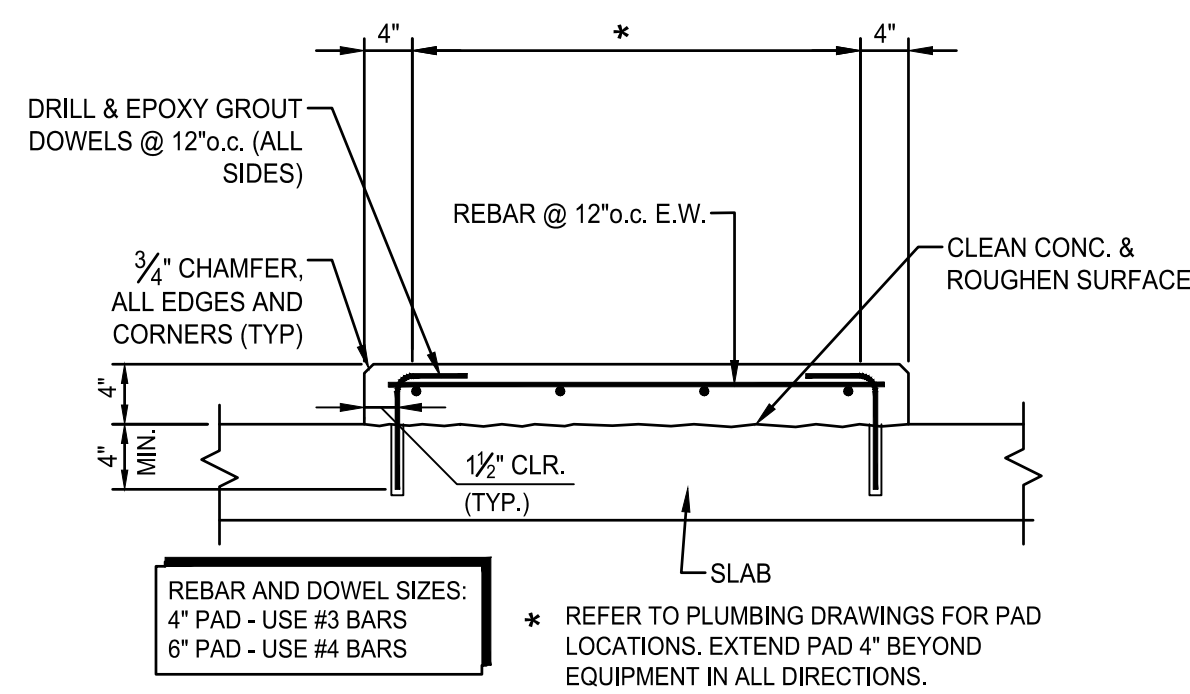
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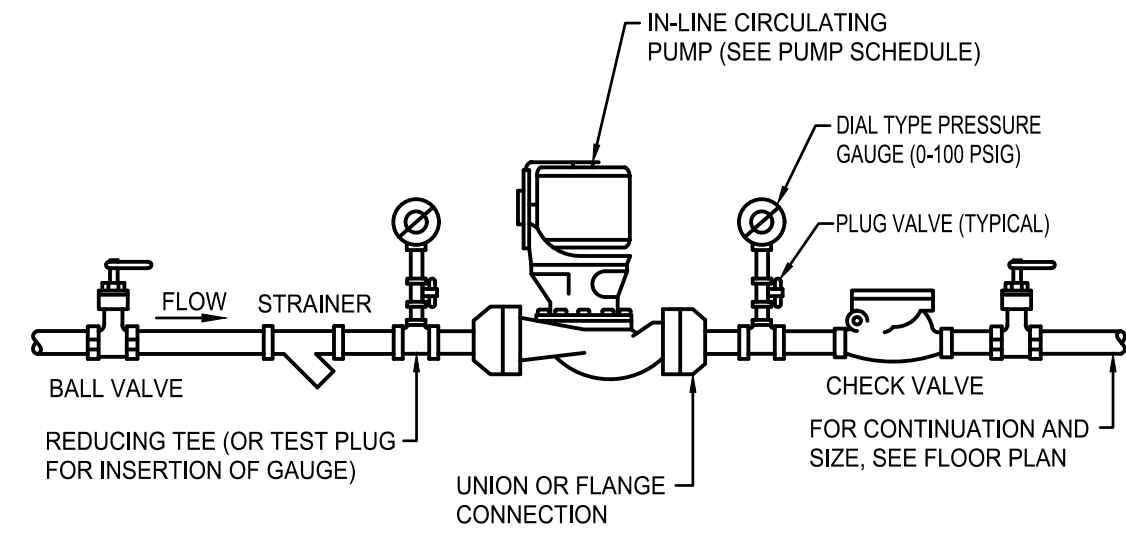
1 WATER HEATER DETAIL
SCALE: NONE



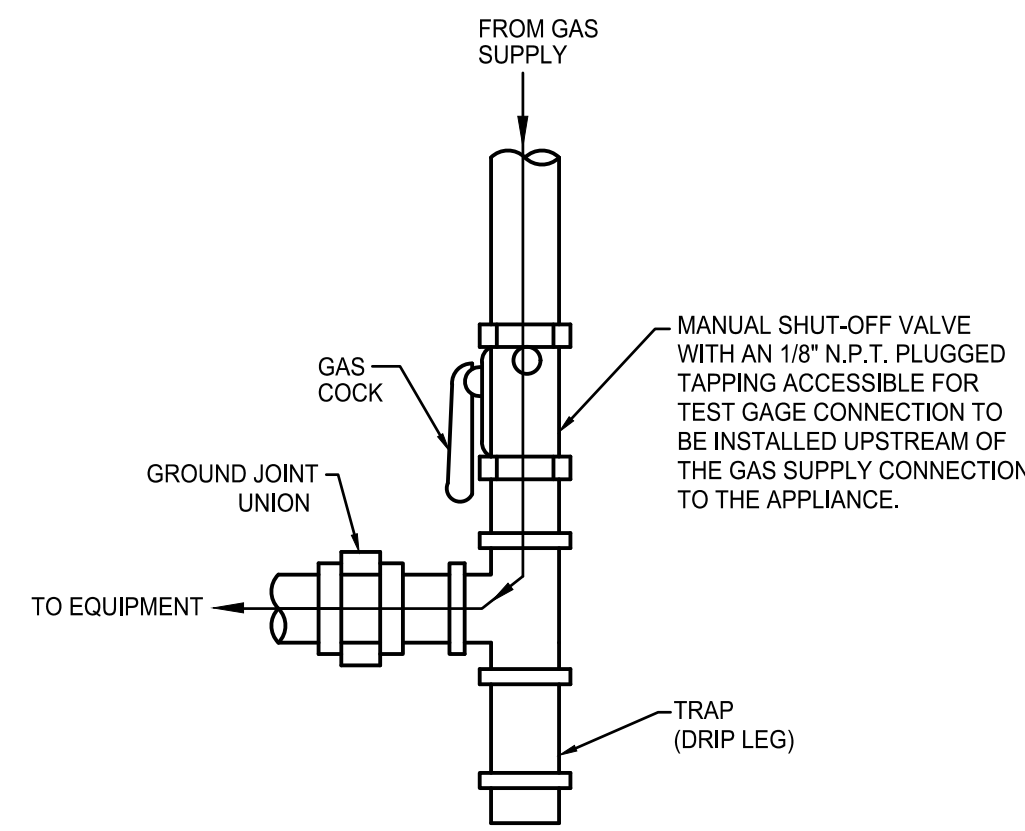
4 CONCENTRIC VENT TERMINATION DETAIL FOR GAS FIRED WATER HEATER
SCALE: NONE



5 TYPICAL HOUSEKEEPING PAD DETAIL
SCALE: NONE



2 IN-LINE CIRCULATING PUMP DETAIL
SCALE: NONE



3 GAS CONNECTION TO EQUIPMENT DETAIL
SCALE: NONE

DOMESTIC WATER HEATER SCHEDULE (DWH)											
PLAN DESIGNATION	MANUFACTURER MODEL NO.	TYPE	LOCATION	STORAGE CAPACITY (GAL.)	GALLONS/HR @100° F RISE	CAPACITY		ELECTRICAL DATA			NOTES
						INPUT (MBH)	OUTPUT	AMPS	VOLTS/ PHASE	HERTZ	
DWH-1	AO SMITH BTH-500	GAS FIRED CONDENSING TANK	MECH ROOM	119	576	500	475	5	120/1Ø	60	1
DWH-2	AO SMITH BTH-500	GAS FIRED CONDENSING TANK	MECH ROOM	119	576	500	475	5	120/1Ø	60	1
DWH-3	AO SMITH BTH-500	GAS FIRED CONDENSING TANK	MECH ROOM	119	576	500	475	5	120/1Ø	60	1
DWH-4	AO SMITH BTH-500	GAS FIRED CONDENSING TANK	MECH ROOM	119	576	500	475	5	120/1Ø	60	1

NOTES:

- PROVIDE THE FOLLOWING STANDARD AND OPTIONAL EQUIPMENT:
 - PIPE MOUNTED TEMPERATURE GAUGES
 - COPPER FINNED WATER TUBES
 - REDUNDANT GAS VALVES
 - ADJUSTABLE AQUASTAT WITH ADJUSTABLE DIFFERENTIAL
 - ASME PRESSURE/TEMPERATURE RELIEF VALVE
 - LOW GAS PRESSURE SWITCH
 - MAIN GAS PRESSURE REGULATOR
 - WATER FLOW SWITCH
 - REMOTE MANIFOLD GAS PRESSURE TAP
 - STAINLESS STEEL BURNER
 - ELECTRONIC CONTROLS, 24 VOLT, INTERMITTENT ELECTRONIC IGNITION
 - ELECTRIC DISCONNECT SWITCH
- PROVIDE CONDUIT AND WIRE FROM ELECTRICAL PANEL EP-1 CIRCUITS 8 AND 9. COMBINE TWO HEATERS ON A SINGLE 20AMP CIRCUIT.

-CONCENTRIC VENT KIT
-CONDENSATE NEUTRALIZATION KIT

HOT WATER RETURN PUMP SCHEDULE (HWRP)													
PLAN DESIGNATION	MANUFACTURER MODEL NO.	SERVICE	LOCATION	TEMPERATURE (DEG. °F)	FLOW (GPM)	TOTAL HEAD (FT)	POWER (HP)	RPM	ELECTRICAL DATA				NOTES
									VOLTS	PHASE	HERTZ	F.L.A.MPS	
HWRP-1	BELL & GOSSETT ECOCIRC XL N 20-35	HOT WATER TO KITCHEN	MECHANICAL ROOM	160	5	8	1/12	3250	120	1	60	1.3	1,2,3,5
HWRP-2	BELL & GOSSETT ECOCIRC XL N 36-45	HOT WATER TO FIXTURES	MECHANICAL ROOM	160	4.5	16	1/6	3250	120	1	60	3.0	1,2,4
HWRP-3	BELL & GOSSETT ECOCIRC XL N 36-45	HOT WATER TO FIXTURES	MECHANICAL ROOM	160	4.5	16	1/6	3250	120	1	60	3.0	1,2,4
HWRP-4	BELL & GOSSETT ECOCIRC XL N 36-45	HOT WATER TO FIXTURES	MECHANICAL ROOM	160	4.5	16	1/6	3250	120	1	60	3.0	1,2,4
NOTES: 1. STAINLESS STEEL BODY. 2. PROGRAM PUMPS FOR DELTA T CONSTANT CONTROL 3. PROVIDE ELECTRICAL DISCONNECT. 4. REUSE EXISTING CONDUIT AND WIRE. REPLACE EXISTING 30AMP 3PH BREAKER WITH 3 SINGLE POLE 20 AMP BREAKERS IN ELECTRICAL PANEL EP-1-A. CIRCUITS 9,11, AND 13. 5. PROVIDE CONDUIT AND WIRE FROM ELECTRICAL PANEL EP-1-A. COMBINE HWRP-1 AND HWRP-2 PUMPS ON CIRCUIT 9.													

PLUMBING EXPANSION TANK SCHEDULE (PET)										
PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	TANK TYPE	TANK VOLUME (GAL.)	ACCEPTANCE VOLUME (GAL.)	HEIGHT (IN.)	DIAMETER (IN.)	INLET (IN.)	FULL WEIGHT (LBS)	NOTES
PET-1	WESSELS TXA200	MECHANICAL ROOM	BLADDER	53	53	43	24	1 1/2"	210	ASME RATED, APPROVED FOR POTABLE WATER USE.



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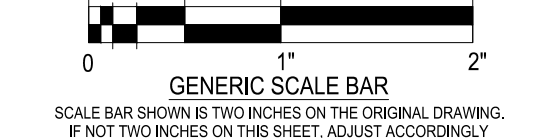


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PLUMBING DETAILS AND SCHEDULES



DATE MARCH 23, 2020
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