

November 7, 2017

## REQUEST FOR WRITTEN QUOTATION

NOTICE IS HEREBY GIVEN that the Yarnell Elementary School district is receiving written quotation for:

Water Heater Replacement at Yarnell Elementary/Model Creek School MPR located at 18912 Hays Ranch Rd, Peeples Valley, AZ 86332

Each written quote must be submitted in accordance WITH THE DRAWINGS & SPECIFICATIONS WHICH ARE ATTACHED. Please coordinate with the district for a walk-through.

For walk-through, additional information and questions, contact Benton Bernard @ (602) 540-6004 / [bbernard@modelcreekschool.org](mailto:bbernard@modelcreekschool.org), or Juan Martinez @ (520) 971-7443 / [juanmartinez@besp.us](mailto:juanmartinez@besp.us)

Written quotes may be faxed to the attention of: Lori Bomar, Administrator, at (928) 427-3348 or e-mailed to [lbomar@modelcreekschool.org](mailto:lbomar@modelcreekschool.org). Quotations must be received by 2:00 pm Local Time, Monday, November 13, 2017.

Contract will be awarded to the lowest responsive and responsible bidder whose bid conforms in all material respects to the requirements set forth in the Request for Quotation. A contract under this Request for Quotation will be awarded to a single vendor.

LORI BOMAR  
ADMINISTRATOR  
YARNELL ELEMENTARY SCHOOL DISTRICT #52  
18912 W. HAYS RANCH ROAD  
PEEPLER VALLEY, AZ 86332  
(928) 427-3347 OFFICE  
(928) 427-3348 FAX  
EMAIL: [LBOMAR@MODELCREEKSCHOOL.ORG](mailto:LBOMAR@MODELCREEKSCHOOL.ORG)



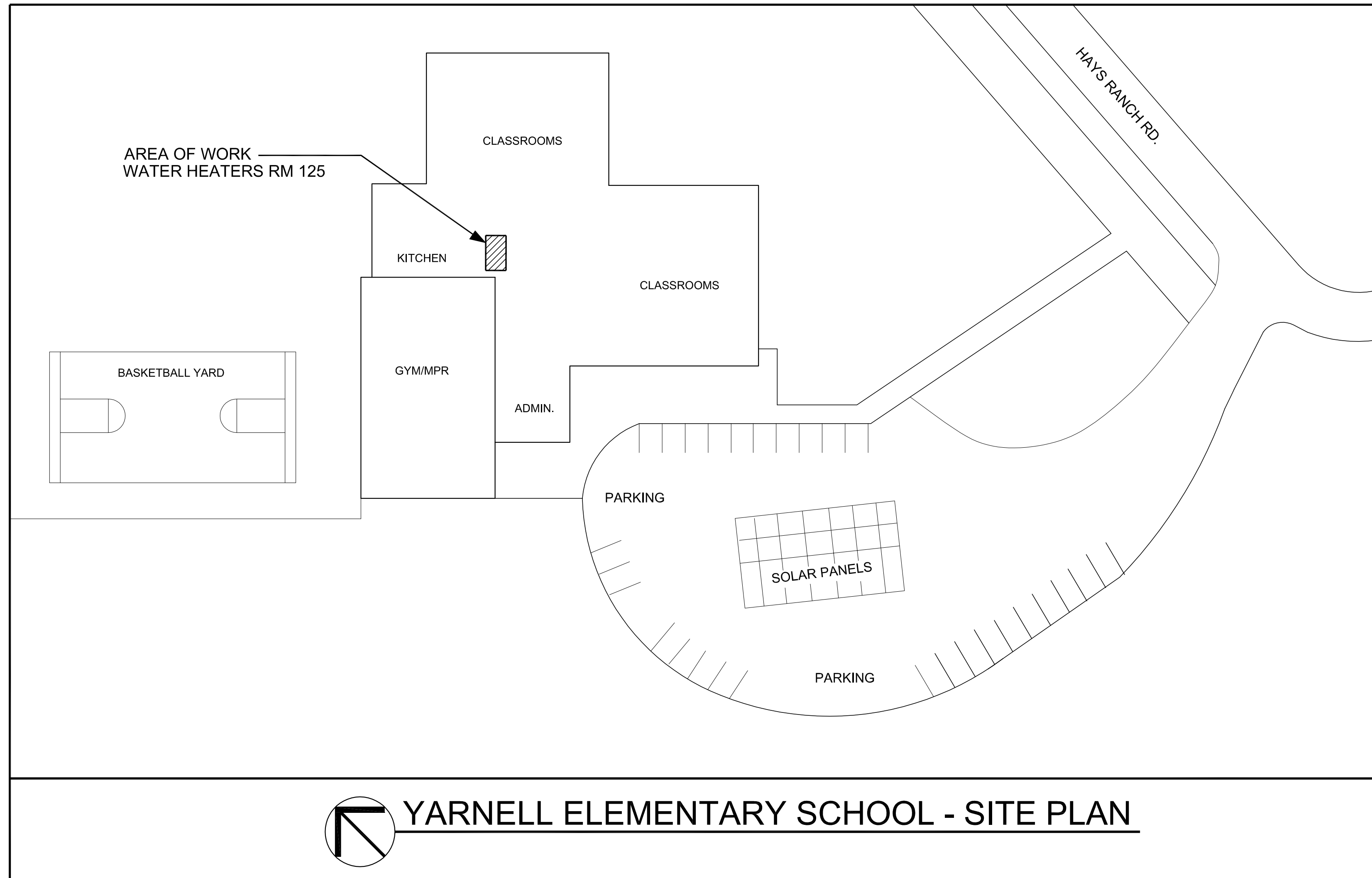
GENERAL NOTES:

- 1) Vendors shall verify site conditions for all site work, and clarify any issues before submitting quotes. After the project is awarded, the district will not accept any site specific change order.
- 2) Vendors shall include taxes in their proposal.
- 3) Vendors shall perform at least three (3) hours of training on the installed equipment to the school district's maintenance personnel.
- 4) The warranty (both parts and labor) shall be at least for two (2) years.

PROJECT: **YARNELL ELEMENTARY SCHOOL**

ADDRESS: **18912 HAYS RANCH RD. PEEBLES VALLEY AZ - 86332**

SCOPE: **ON-DEMAND GAS WATER HEATERS CONVERSION**



**YARNELL ELEMENTARY SCHOOL - SITE PLAN**

PLANS INDEX	
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P-1	PLUMBING PLAN & DETAILS

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ADDRESS: **18912 HAYS RANCH RD. PEEBLES VALLEY AZ - 86332**

SCOPE: **ON-DEMAND GAS WATER HEATERS CONVERSION**

SHEET: **COVER SHEET**

DESIGNED BY: **BESP**

DRAWN BY: **JUAN**

CHECKED BY: **SRP**

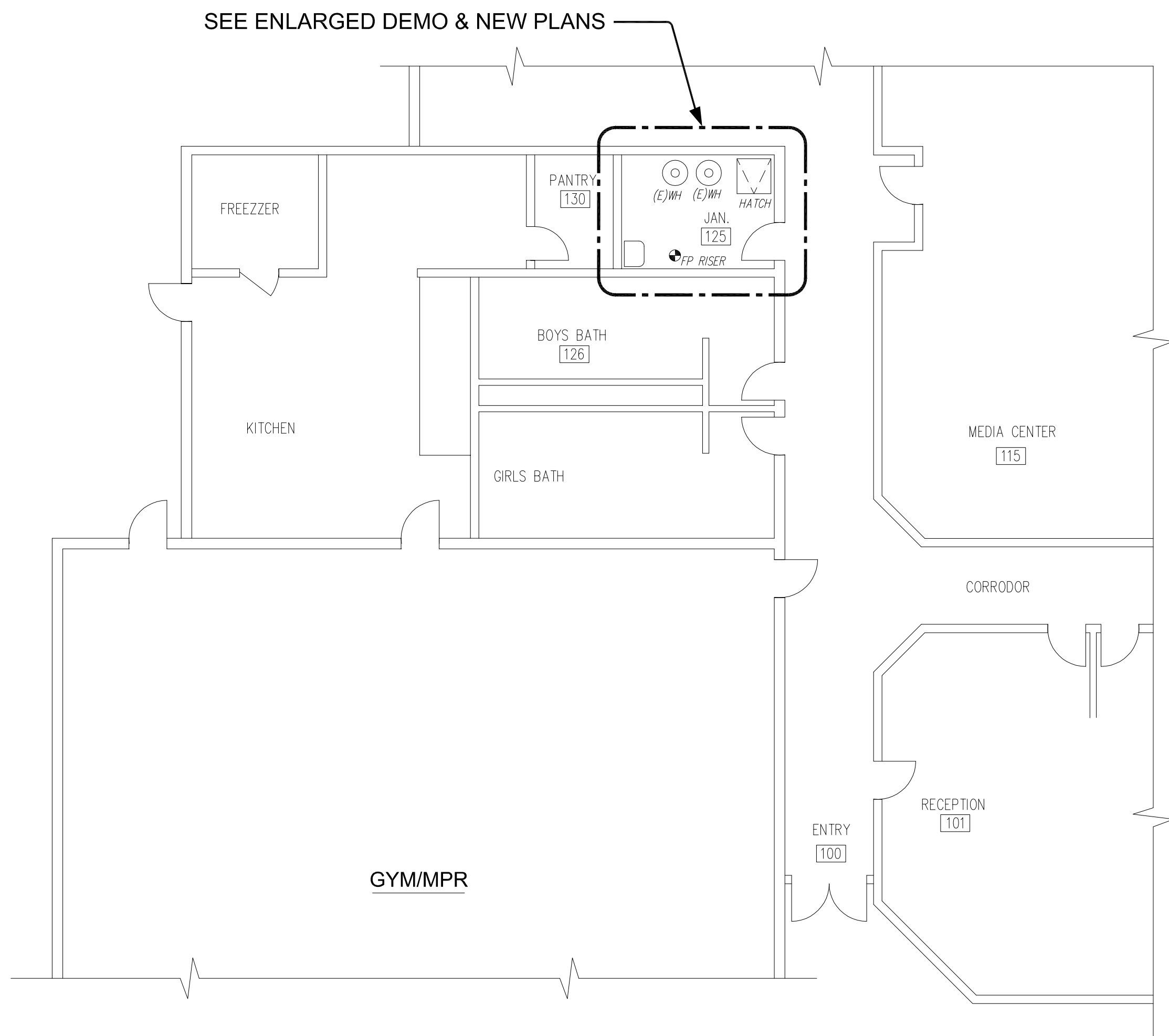
DATE: **NOVEMBER-2017**

REMARKS

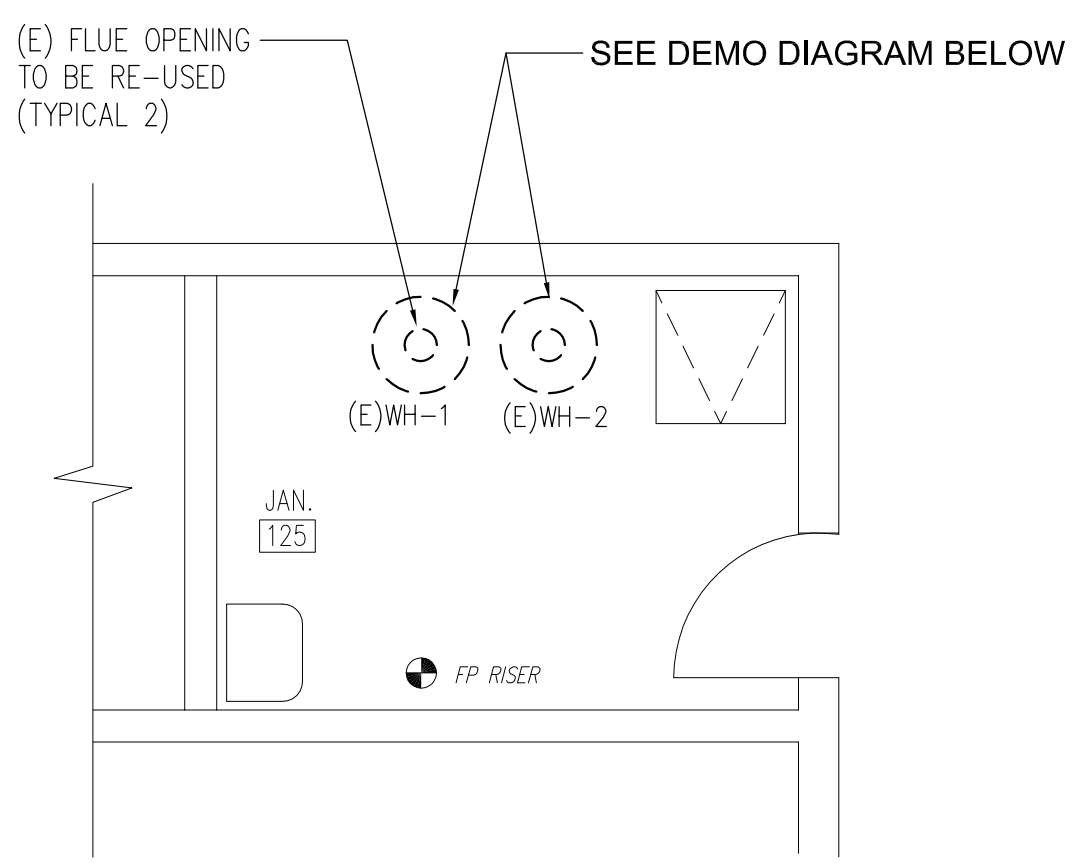
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**C-1**



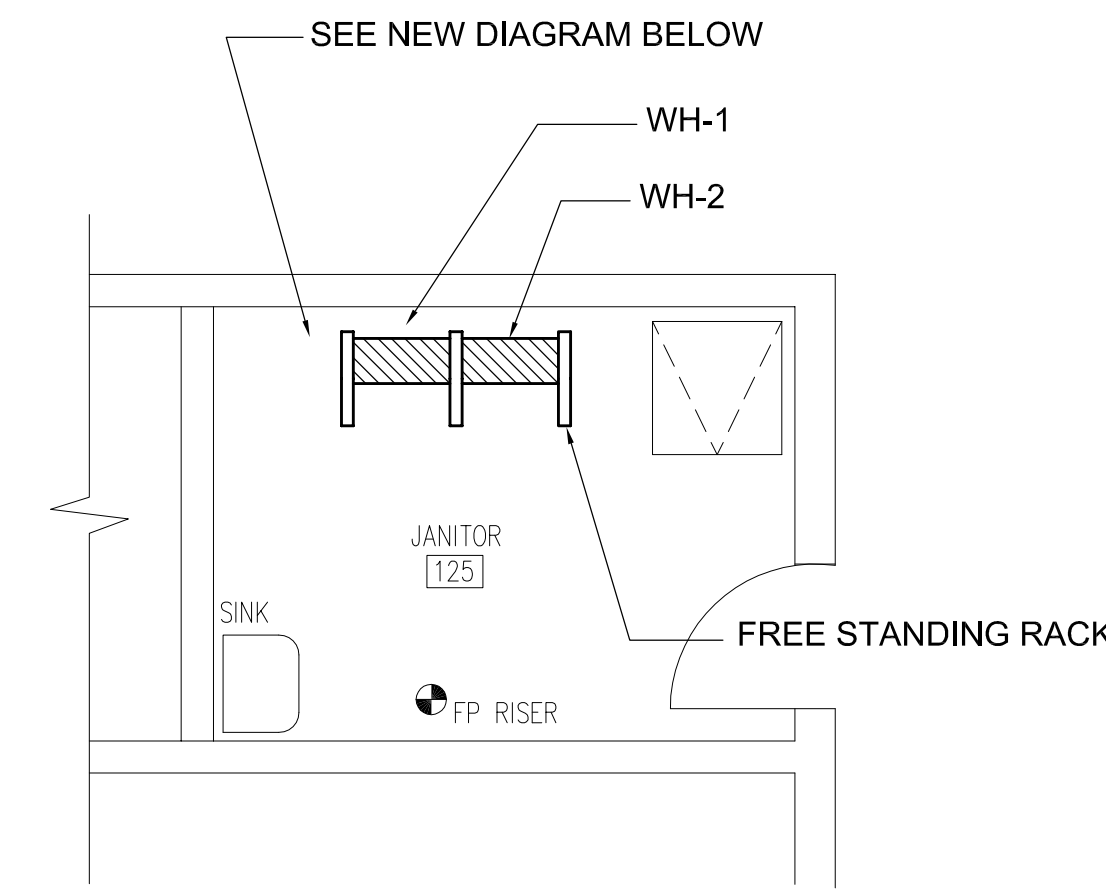
**PLUMBING FLOOR PLAN**  
1/8" = 1'-0"



**ENLARGED DEMO PLAN**  
1/4" = 1'-0"

PLUMBING LEGEND	
--- CW ---	CW COLD WATER LINE
--- HW ---	HW HOT WATER LINE
--- G ---	G GAS LINE
--- SOV ---	SOV SHUT OFF VALVE
--- PIPING UNION ---	PIPING UNION
WH	WATER HEATER
ET	EXPANSION TANK
P&T	PRESSURE RELIEF
UG	UNDER GROUND
O.H.	OVERHEAD
(E)	EXISTING

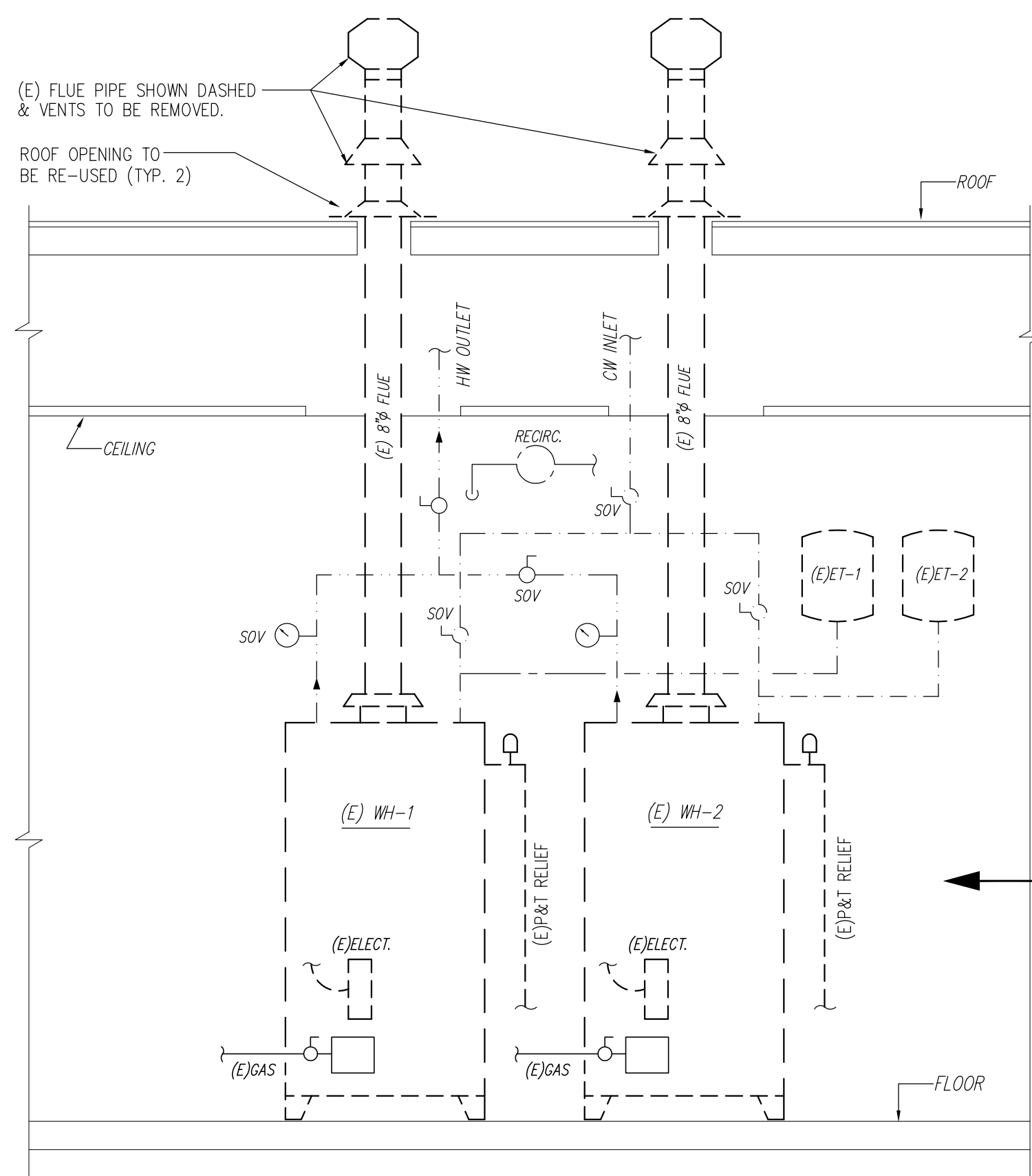
- DEMOLITION GENERAL NOTES**
- COORDINATE REMOVAL OF 2 EXIST. DOMESTIC WH'S WITH ALL OTHER TRADES.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF DEMO ITEMS.
  - COORDINATE REMOVAL SCHEDULE AND HOURS OF WORK WITH THE OWNER.
  - CONTRACTOR SHALL MAINTAIN PREMISES IN CLEAN CONDITION AT END OF EACH DAY AND THOROUGHLY CLEAN-UP AT END OF CONSTRUCTION.



**ENLARGED NEW PLAN**  
1/4" = 1'-0"

NEW ON-DEMAND TANKLESS - PROPANE GAS WATER HEATERS											
MARK	MANUFACT.	MODEL (2 UNITS)	TYPE	YARNELL ELEVATION	MIN. INPUT RATE GAS	MAX. INPUT RATE GAS	FLOW RATE @ 70°F RISE (GPM)	FLOW RATE @ 100°F RISE (GPM)	ELECTRICAL REQUIREMENTS	FREE-STANDING RACK	WEIGHT
WH 1	RINNAI	C 1991 P	INDOOR DIRECT VENT	4,789 FT.	15,200 BTUH	398,000 BTUH (COMBINED)	10.8 GPM	7.6 GPM	120V-1-60 8 AMP (MAX.)	TRSO2Li P 2unit IN-LINE	250 LBS. EACH

- PRIOR TO ORDERING CONTRACTOR SHALL VERIFY MODEL NUMBERS SHOWN (PROPANE GAS) AND ACCESSORIES WITH MANUFACTURE.
- PROVIDE COMPLETE SYSTEM WITH STANDARD ACCESSORIES, SERVICE VALVES, REMOTE CONTROLLER, MANIFOLD CONTROLLER, EXPANSION TANK, FREE STANDING RACK FOR (2) IN-LINE GAS HEATERS.
- PROVIDE FACTORY COMBUSTION AIR KIT AND FLUE VENT EXHAUST KIT.
- PROVIDE ALL FACTORY STANDARD WARRANTIES AND O & M'S. INSTALL EQUIPMENT PER MANUFACTURER RECOMMENDATIONS.



**(2) EXISTING TANK WATER HEATERS DEMO DIAGRAM**  
NTS

- PLUMBING GENERAL NOTES**
- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ADOPTED PLUMBING CODES, RULES AND REGULATIONS OF ALL NATIONAL, COUNTY, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PREMISES.
  - PLUMBING DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW THE APPROXIMATE LOCATION OF OUTLETS, EQUIPMENT AND PIPING. DIMENSIONS GIVEN IN FIGURES ON THE PLANS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS, AND ALL DIMENSIONS, WHETHER GIVEN IN FIGURES OR SCALED, SHALL BE VERIFIED IN THE FIELD.
  - BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL CAREFULLY STUDY THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. HE SHALL ALSO MAKE A CAREFUL EXAMINATION OF THE PREMISES AND ANY EXISTING WORK. HE SHALL DETERMINE, IN ADVANCE, THE METHODS OF INSTALLING AND CONNECTING THE APPARATUS, THE MEANS TO BE PROVIDED FOR GETTING THE EQUIPMENT INTO PLACE, AND SHALL MAKE HIMSELF THOROUGHLY FAMILIAR WITH ALL OF THE REQUIREMENTS OF THE CONTRACT.
  - BY THE ACT OF SUBMITTING A PROPOSAL FOR THE WORK REQUIRED AND INCLUDED IN THE CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION, AND TO BE FAMILIAR WITH AND ACCEPT ALL CONDITIONS OF THE SITE.
  - MAKE ARRANGEMENTS FOR AND PAY FOR ALL FEES, PERMITS, LICENSES, CONNECTION CHARGES AND INSPECTIONS REQUIRED FOR PLUMBING WORK.
  - DOMESTIC WATER PIPING SHALL BE COPPER TYPE "L" DROWN FOR ABOVE GROUND. JOINTS SHALL BE MADE WITH A LEAD-FREE SOLDER.
  - WASTE, VENT, AND DRAIN PIPING SHALL BE NO-HUB CAST IRON OR ABS PLASTIC PIPE. EXTERIOR SEWER PIPING SHALL SLOPE AT MINIMUM 1/4" (1/8" PER FOOT).
  - WRAP ALL PIPING IN BLOCK WALLS OR PENETRATING CONCRETE WITH 10 MIL POLYVINYL TAPE.
  - ALL VENTS THROUGH ROOF TO BE FLASHED IN METAL.
  - ALL OVERHEAD PIPING SHALL BE SECURED FROM STRUCTURE ABOVE.
  - FURNISH THE OWNER 3 COPIES OF AN OPERATING AND MAINTENANCE MANUAL CONTAINED IN A 3 RING BINDERS WITH HARD COVER. MANUALS SHALL CONTAIN MANUFACT. CUTS SHEETS OF EQUIP. FURNISHED, SPARE PARTS LIST, SEQUENCE OF OPERATION AND A PREVENTATIVE MAINTENANCE SCHEDULE IDENTIFYING WEEKLY, MONTHLY AND SEASONAL MAINTENANCE PROCEDURES AS REQUIRED.
  - GUARANTEE WORK TO BE FREE FROM DEFECTS IN WORKMANSHIP & MATERIAL FOR A PERIOD OF TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE. ANY MATERIAL OR EQUIP. WHICH PROVES DEFECTIVE WITHIN THE PERIOD SHALL BE PROMPTLY REPAIRED OR REPLACED WITHOUT COST TO THE OWNER.
- END OF NOTES

**DEMOLITION SCOPE**

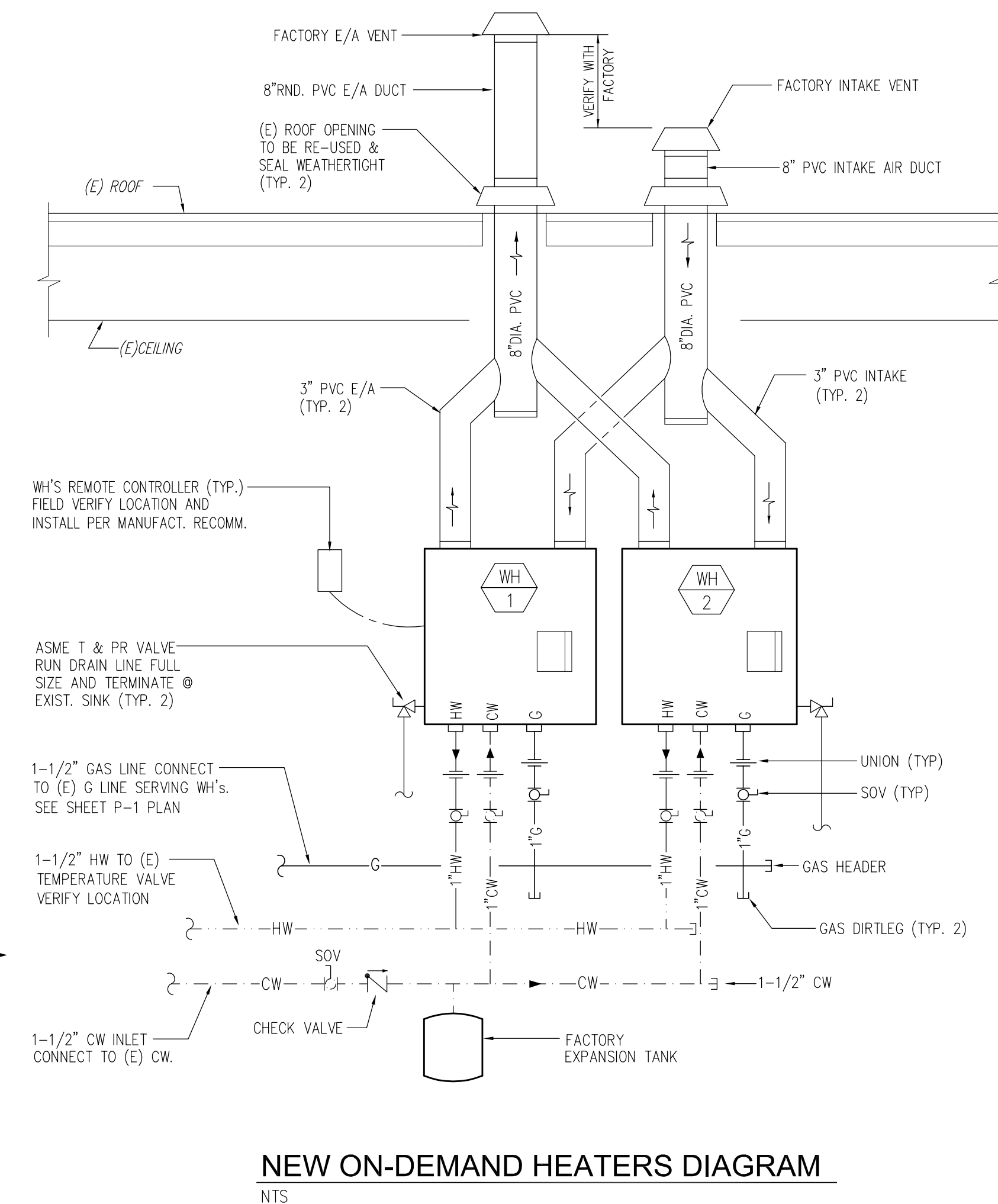
CONTRACTOR TO REMOVE 2 (E) PROPANE GAS, STORAGE TANK DOMESTIC WATER HEATERS. RUUD MANUFACTURE - MODEL: 682-156 EACH: 78 GALLON, 156,000 BTUH GAS INPUT. REMOVE ALL ASSOC. PIPING CONNECTIONS, GAS LINES, EXPANSION TANKS, ELECTRICAL, & FLUE DUCT THRU ROOF, NOT BEING RE-USED. (E) VENT OPENING THRU ROOF TO BE RE-USED. SEE DEMO DIAGRAM BELOW.

PRIOR TO PIPING DEMO CONTRACTOR SHALL VERIFY NEW ON-DEMAND HEATERS CONNECTIONS.

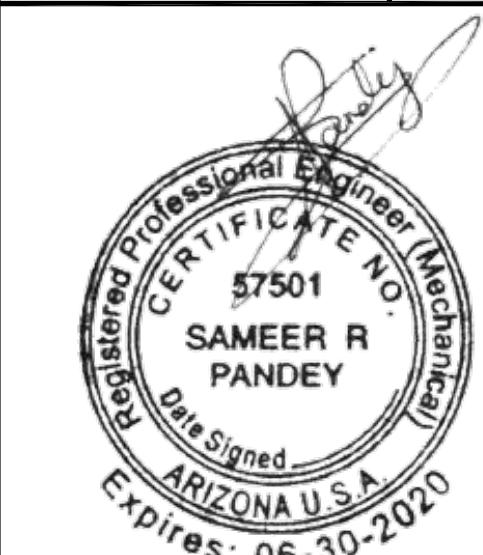
**NEW PLUMBING SCOPE**

- THE INTENT IS TO REPLACE THE 2 EXIST. DOMESTIC HOT WATER TANK HEATERS WITH A NEW 2 TANKLESS ON-DEMAND HW SYSTEM.
- RECONNECT NEW COLD & HOT WATER LINES TO EXIST. COLD AND HOT WATER LINES.
- RECONNECT NEW G TO (E) G LINE (FULL SIZE).
- RE-USE (E) ELECTRICAL WALL OUTLET.
- RE-USE (E) FLUE ROOF OPENINGS.
- PROVIDE FACTORY FREE STANDING RACKS.
- CONTRACTOR TO FIELD VERIFY (E) CONDITIONS, (E) WATER PIPING LOCATIONS AND SIZES PRIOR TO INSTALLATION OF NEW ON-DEMAND HEATERS.

PRIOR TO NEW INSTALL CONTRACTOR SHALL VERIFY EXISTING TANK WATER HEATERS CONNECTIONS.



**NEW ON-DEMAND HEATERS DIAGRAM**  
NTS



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**SHEET:** PLUMBING PLAN

**DESIGNED BY:** BESP  
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