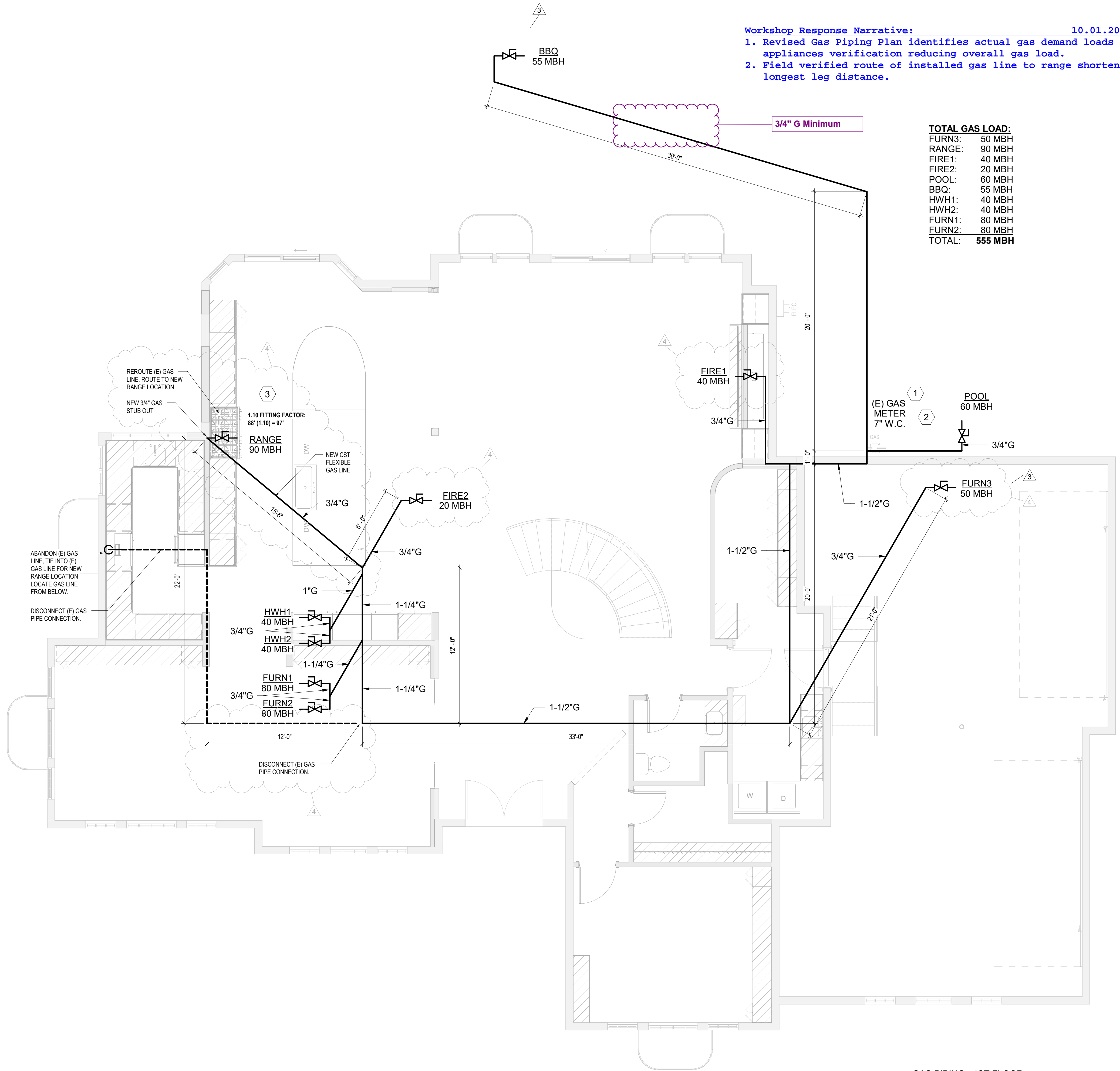


APPROVED SUBJECT TO FIELD INSPECTION

APPROVED REVISED PLAN  
10/02/2024 10:13:53 AM

Validity of Permit: The issuance or granting of a permit or approval of plans, specifications and computations shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. Permits are issued to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

ARVADA  
17477 W 69TH AVE  
ARVADA, CO 80007



**Workshop Response Narrative:** 10.01.2024  
1. Revised Gas Piping Plan identifies actual gas demand loads per appliances verification reducing overall gas load.  
2. Field verified route of installed gas line to range shortened longest leg distance.

**TOTAL GAS LOAD:**

FURN3:	50 MBH
RANGE:	90 MBH
FIRE1:	40 MBH
FIRE2:	20 MBH
POOL:	60 MBH
BBQ:	55 MBH
HWH1:	40 MBH
HWH2:	40 MBH
FURN1:	80 MBH
FURN2:	80 MBH
<b>TOTAL:</b>	<b>555 MBH</b>

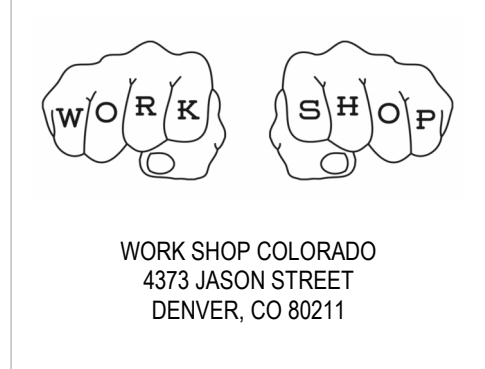
### GAS PIPING NOTES

- TOTAL LENGTH INCLUDING VERTICAL IS APPROXIMATELY 97 L.F. TOTAL CONNECTED LOAD OF 555 MBH.
- NEW GAS PIPING SIZED PER IFGC TABLE 402.4(2).
- PROVIDE SHUT-OFF VALVES AND DIRT LEGS AT EACH GAS CONNECTION.
- PROVIDE CODE APPROVED GAS PIPING SUPPORTS PER IFGC SECTION 407. WOODEN BLOCK SUPPORTS ARE NOT ALLOWED.
- FIELD VERIFY EXISTING CONDITIONS AND APPLIANCE RATINGS PRIOR TO ROUGH-IN.
- ALL INTERIOR ABOVE GRADE GAS PIPING SHALL BE SCHEDULE 40 BLACK PIPE WITH 150 PSI O.W.G. BLACK BANDED MALLEABLE IRON SCREWED FITTINGS.
- GAS FIREPLACES MUST BE PROVIDED WITH A READILY ACCESSIBLE SHUT-OFF VALVE WITHIN 6' OF THE APPLIANCE AND PROVIDED WITH ADEQUATE OUTSIDE COMBUSTION AIR DIRECT TO THE FIREBOX (OR DIRECT VENT) WHICH IS THEN FITTED WITH GASKETED DOORS. [SECTIONS 304.6, 409.5, IFGC AND 402.3, IECC].
- 1MBH = 1,000 BTU/H
- 527 BTU/H = 1 CUBIC FOOT OF GAS PER HOUR (ARVADA, CO).

### GAS KEYNOTES

- (E) GAS METER, FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO ROUGH-IN. COORDINATE W/ LOCAL UTILITY COMPANY.
- TRANSITION THROUGH FOUNDATION WALL MUST BE ABOVE GRADE PER IFGC 404.6.
- USE COMMON FITTINGS FACTOR = 1.10 - EQUIVALENT PIPE LENGTH IN TABLE = PIPE LENGTH + 10%.

NOTE: ALL FIXTURES ARE OWNER SPECIFIED. GC TO VERIFY ALL REQUIREMENTS INCLUDING ELECTRICAL REQUIREMENTS, SIZE, LOCATION AND CLEARANCES WITH SPECIFICATION.



WORK SHOP COLORADO  
4373 JASON STREET  
DENVER, CO 80211

**RYAN RESIDENCE**  
17477 W 69TH AVE  
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Δ	Date	Description
1	06.04.24	BLDG REVIEW
3	09.24.24	ADD BSMT/2ND
4	10.01.24	GAS PIPING

Drawings, as instruments of services, are and shall remain the property of the Architect, whether the project for which they are made is executed or not. The drawings shall not be used by the Owner or General Contractor for other projects, for additions to this project, or for completion of this project by others, except by agreement in writing and appropriate compensation to the Architect.  
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Date  
09.30.2024

Scale  
1/4" = 1'-0"

Sheet Name  
GAS PIPING PLAN

**P1**

1 GAS PIPING - 1ST FLOOR  
1/4" = 1'-0"