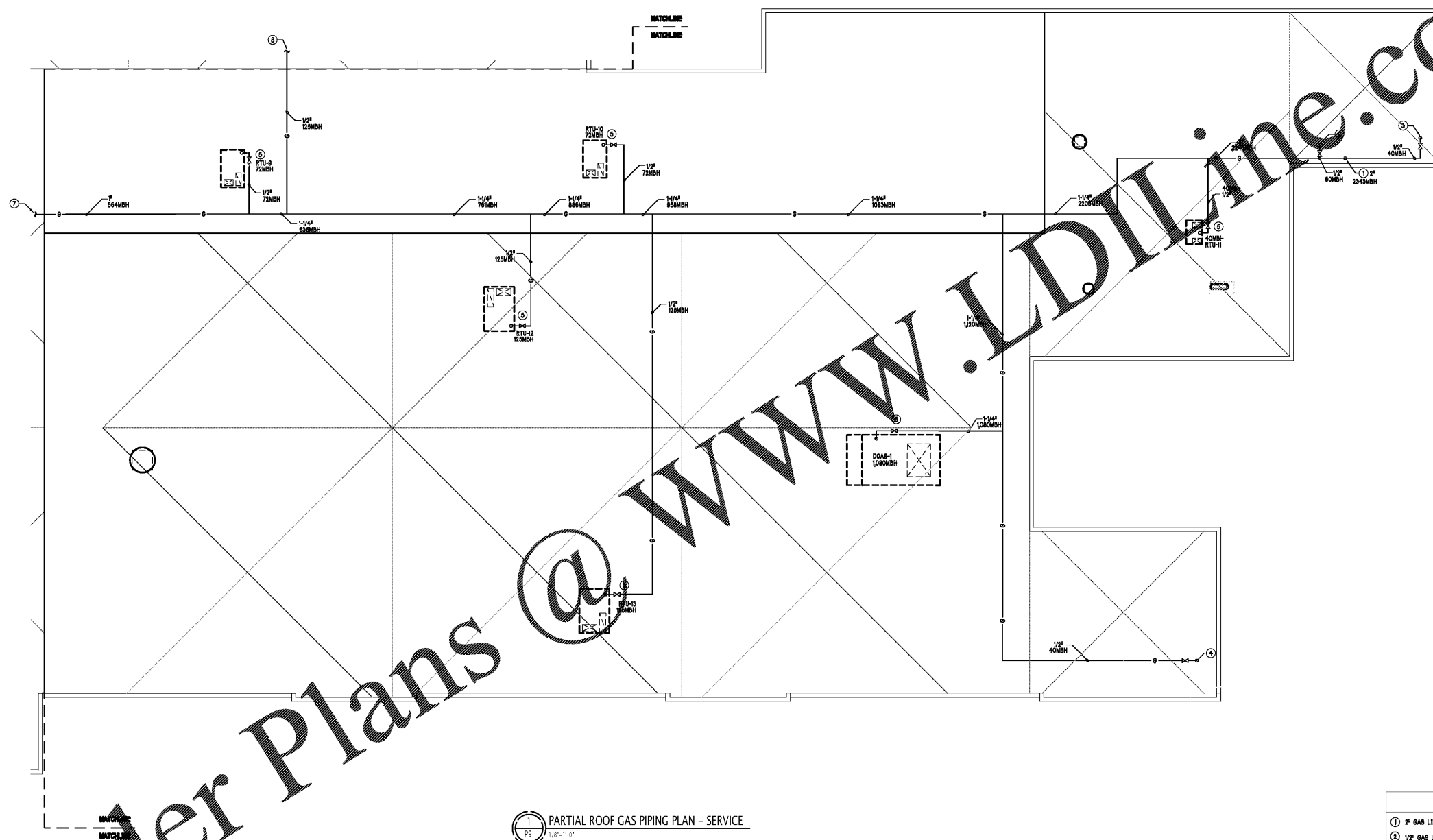


File: Z:\Projects\4802_South Charlotte Hyundai Redesign\4802099 PARTIAL ROOF GAS PIPING PLAN SERVICE.dwg, 3/11/2020 4:29 PM by ALEX E. LEVIN; Saved: 3/11/2020 4:24 PM by DRAVINE

GAS LOAD TABLE LINE	
LOW PRESSURE	HIGH PRESSURE
PRESSURE DROP: 0.5 IN.W.C.	ATMOS. PRESSURE: 14.6964 PSIA
STEEL (SCH. 40)	FS: 2 PSIG
LENGTH: 436 FT	FS: 1 PSIG
FITTINGS FACTOR: 1.3	STEEL (SCH. 40)
EQUIVALENT TOTAL LENGTH: 528 FT	LENGTH: 436 FT
TOL. TABLE LENGTH: 500 FT	FITTINGS FACTOR: 1.3
CAPACITY OF PIPES IN MSH	EQUIVALENT TOTAL LENGTH: 528 FT
1/2" 20	TOL. TABLE LENGTH: 500 FT
3/4" 41	CAPACITY OF PIPES IN MSH
1" 78	1/2" 182
1-1/4" 159	3/4" 381
1-1/2" 239	1" 681
2" 408	1-1/4" 1400
2-1/2" 732	1-1/2" 2080
3" 1280	2" 4030

NOTE:
 GAS PIPING IS SIZED FOR 2 PSI NATURAL GAS @ TOTAL DEVELOPED LENGTH OF 500 FT. CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR LOW PRESSURE PIPING IF HIGH PRESSURE IS NOT AVAILABLE. CONTRACTOR SHALL VERIFY THE AVAILABILITY OF 2 PSI SERVICE BEFORE ANY WORK HAS BEGUN AND NOTIFY ARCHITECT IN WRITING OF AVAILABLE SERVICE. METER LOCATION SHOWN IS PROPOSED. NOTIFY ENGINEER IF DEVELOPED LENGTH EXCEEDS 500 FT TO MOST REMOTE FITTURE.

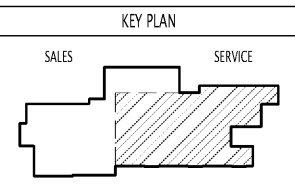
NOTE:
 PROVIDE GAS REGULATOR AT EACH PIECE OF GAS-FIRED EQUIPMENT TO PROVIDE PRESSURE TO UNIT AS REQUIRED BY MANUFACTURER.



1 PARTIAL ROOF GAS PIPING PLAN - SERVICE
 1/8"=1'-0"

Order Plans @ WWW.LDLINE.COM

- CONSTRUCTION NOTES**
- ① 2" GAS LINE UP FROM FLOOR BELOW.
 - ② 1/2" GAS LINE, ROUTE DOWN TO GRH-1 LOCATED ON CEILING. PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.
 - ③ 1/2" GAS LINE, ROUTE DOWN TO GRH-2 LOCATED ON CEILING. PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.
 - ④ 1/2" GAS LINE, ROUTE DOWN TO GRH-3 LOCATED ON CEILING. PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.
 - ⑤ 1/2" GAS LINE TO SERVE MECHANICAL EQUIPMENT. PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.
 - ⑥ 1-1/4" GAS LINE TO SERVE DOAS-1. PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.
 - ⑦ # GAS LINE. SEE SHEET P8 FOR CONTINUATION.
 - ⑧ 1/2" GAS LINE. SEE SHEET P8 FOR CONTINUATION.



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Seals:

 03/04/2020

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Revisions	Number	Date	Description

Project Title:
SOUTH CHARLOTTE HYUNDAI

Project No.: **4802.00**

Drawing Title:
PARTIAL ROOF GAS PIPING PLAN - SERVICE

SET ISSUE DATE
 MAR 4, 2020

Sheet:
P9