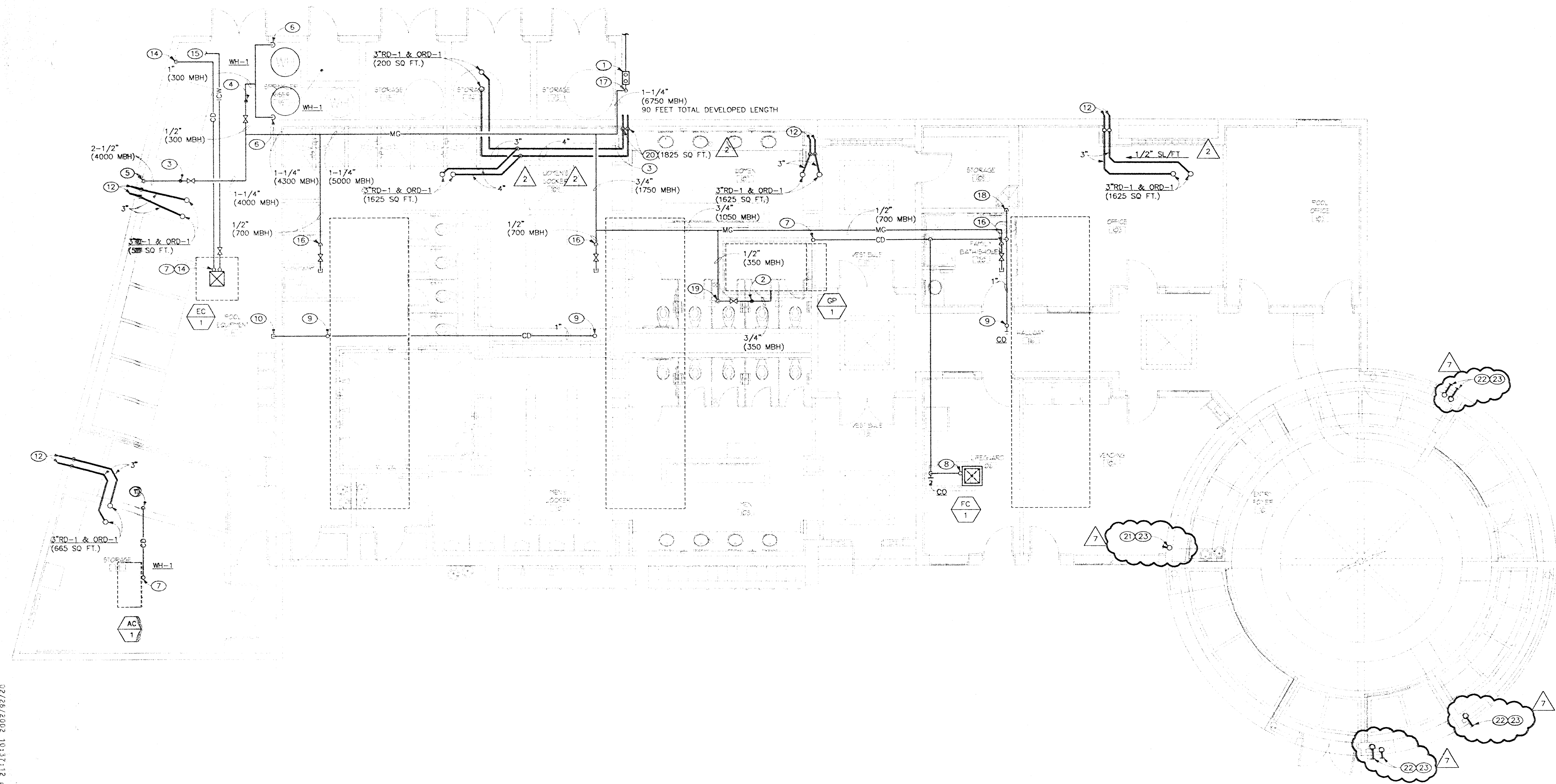
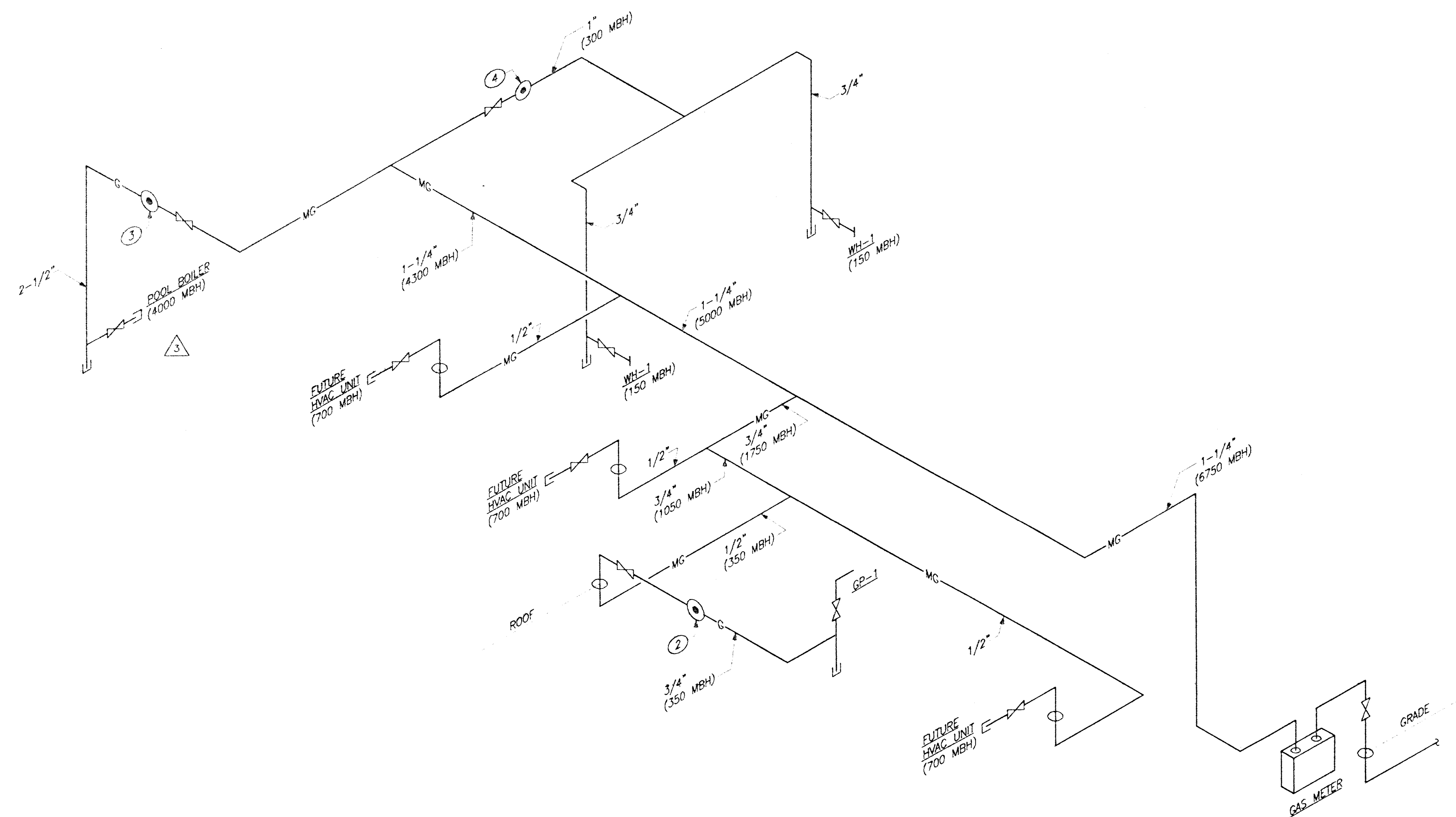


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GAS AND CONDENSATE DRAIN PIPING PLAN

SCALE: 3/16" = 1' - 0"



GAS PIPING DIAGRAM

NO SCALE

1
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GENERAL NOTES

1. ALL DRAINAGE PIPING 4" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT.
2. ALL DRAINAGE PIPING LARGER THAN 4" SHALL BE SLOPED AT 1/8" PER FOOT.
3. ALL CONDENSATE DRAIN PIPING SHALL BE SLOPED 1/8" PER FOOT.
4. ALL STORM DRAINAGE PIPING SHALL BE SLOPED AT 1/8" PER FOOT UNLESS NOTED OTHERWISE.

SHEET NOTES

1. GAS SERVICE METER AND REGULATOR SHALL BE PROVIDED BY SOUTHWEST GAS CORPORATION. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND FEES REQUIRED FOR THE INSTALLATION OF THE SERVICE AND METER. GAS METER SHALL BE CAPABLE OF 6750 MBH.
2. PROVIDE GAS REGULATOR, 5PSI INLET, 7" WC OUTLET (350 MBH). ROUTE GAS VENT UP THRU ROOF. SEAL ROOF PENETRATION WEATHERTIGHT. PROVIDE GOOSENECK VENT. TOTAL DEVELOPED LENGTH 65 FEET.
3. PROVIDE GAS REGULATOR, 5PSI INLET, 7" WC OUTLET (4000 MBH). ROUTE GAS VENT UP THRU ROOF. SEAL ROOF PENETRATION WEATHERTIGHT. PROVIDE GOOSENECK VENT. TOTAL DEVELOPED LENGTH 20 FEET.
4. PROVIDE GAS REGULATOR, 5PSI INLET, 7" WC OUTLET (300 MBH). ROUTE GAS VENT UP THRU ROOF. SEAL ROOF PENETRATION WEATHERTIGHT. PROVIDE GOOSENECK VENT. TOTAL DEVELOPED LENGTH 20 FEET.
5. ROUTE 2-1/2" GAS PIPE DOWN TO POOL BOILER (4,000,000 BTUH). PROVIDE SHUT-OFF VALVE AND DIRT LEG. PROVIDE FULL SIZE CONNECTION TO POOL HEATER.
6. ROUTE 3/4" GAS PIPE DOWN TO WATER HEATER (150,000 BTUH EACH). PROVIDE SHUT-OFF VALVE AND DIRT LEG. PROVIDE FULL SIZE CONNECTION TO WATER HEATER.
7. 3/4" CONDENSATE DRAIN WITH P-TRAP AND AIR VENT ABOVE ROOF. ROUTE CONDENSATE DRAIN DOWN THRU ROOF. PROVIDE SHEETMETAL RAINSKIRT AND SEAL PENETRATION WEATHERTIGHT. PROVIDE CAPPED TEE'S AT ALL CHANGES IN DIRECTION FOR CLEAN OUT.
8. 3/4" CONDENSATE DRAIN WITH P-TRAP AND AIR VENT ABOVE CEILING. PROVIDE CAPPED TEE'S AT ALL CHANGES IN DIRECTION FOR CLEAN OUT.
9. ROUTE 1" CONDENSATE DRAIN PIPE UP THRU ROOF. CAP PIPING 6" ABOVE ROOF FOR FUTURE HVAC EQUIPMENT. PROVIDE SHEETMETAL RAINSKIRT AND SEAL PENETRATION WEATHERTIGHT.
10. CAP 1-1/4" CONDENSATE DRAIN LINE BELOW ROOF FOR FUTURE HVAC EQUIPMENT.
11. ROUTE 3/4" CONDENSATE DRAIN DOWN ALONG WALL AND SPILL TO SUMP PIT DRAIN.
12. ROUTE 3" STORM DRAIN AND OVERFLOW STORM DRAIN PIPE DOWN IN WALL. TERMINATE THRU WALL 12" MAXIMUM ABOVE GRADE TO SPLASH BLOCK. GENERAL CONTRACTOR TO PROVIDE SPLASH BLOCK.
13. 1/2" INDUSTRIAL COLD WATER (ICW) RISE UP THRU ROOF. PROVIDE SHEETMETAL RAINSKIRT AND SEAL PENETRATION WEATHERTIGHT.
14. ROUTE 3/4" CONDENSATE DRAIN PIPE DOWN ALONG WALL AND TERMINATE TO FLOORSINK.
15. 1/2" INDUSTRIAL COLD WATER (ICW) PIPE BELOW ROOF. REFER TO SHEET P2.02 FOR CONTINUATION.
16. ROUTE 1/2" MEDIUM PRESSURE GAS PIPE UP THRU ROOF FOR FUTURE HVAC EQUIPMENT (700,000 BTUH). PROVIDE STUB-UP AND CAP ABOVE ROOF. PROVIDE SHEETMETAL RAINSKIRT AND SEAL PENETRATION WEATHERTIGHT.
17. ROUTE 1-1/4" MEDIUM PRESSURE GAS PIPE THRU WALL AND BELOW ROOF.
18. ROUTE 1-1/4" CONDENSATE DRAIN PIPE DOWN IN WALL. TERMINATE 6" ABOVE SERVICE SINK WITH ELBOW TURNED DOWN.
19. ROUTE 1/2" MEDIUM PRESSURE GAS PIPE UP THRU ROOF. PROVIDE SHEETMETAL RAINSKIRT & SEAL PENETRATION WEATHERTIGHT.
20. ROUTE 4" STORM DRAIN AND OVERFLOW STORM DRAIN PIPE DOWN IN WALL. TERMINATE THRU WALL 12" MAXIMUM ABOVE GRADE TO SPLASH BLOCK. GENERAL CONTRACTOR TO PROVIDE SPLASH BLOCK.
21. ROUTE 2" STORM DRAIN PIPING DOWN IN WALL TO MAXIMUM +6" ABOVE ROOF AND SPILL TO ROOF THRU CONCRETE SPLASH BLOCK.
22. ROUTE 2" STORM DRAIN PIPING DOWN IN WALL TO MAXIMUM +6" ABOVE GRADE AND SPILL TO LANDSCAPING THRU CONCRETE SPLASH BLOCK.
23. PROVIDE A 2" STEEL - 1/2 UNION WELDED TO BOTTOM OF STEEL GUTTER. PROVIDE A 2" THREAD x SOCKET WELD CONNECTOR. SCREW THREADED CONNECTOR INTO THE 1/2 UNION. GLUE 2" PVC DOWNSPOUT INTO THE 2" SOCKET WELD CONNECTOR. PAINT STEEL UNION TO MATCH GUTTER SYSTEM.

Rainwater piping sized at 2 inch is allowed in vertical installations only per UBC Table 1-1. Horizontal piping shall not be smaller than 3 inch per UPC Table 11-2.

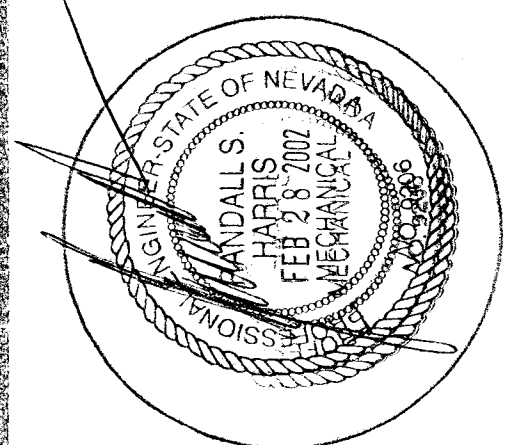
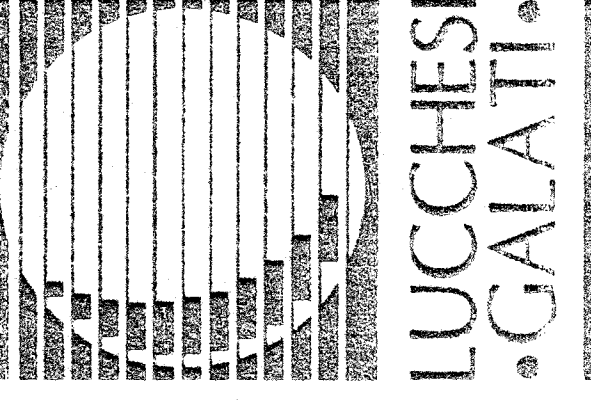
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Does Not Include Annotations, Electrical, Structural or Civil. Improvements Made Are Change Without Approval Plan is Not a Permit to Violate Any Ordinance.

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CITY OF LAS VEGAS
BUILDING DEPT.



CONSULTING ENGINEER
J. HARRIS
PROJECT NO. 38240-30
DESIGNED BY L. LAICHEA
CHECKED BY J. HARRIS
DRAWN BY T. ROMERO

GAS, CONDENSATE AND ROOF DRAINAGE PIPING PLAN AND GAS PIPING RISER DIAGRAM

SUMMERLIN ARBORS PARK
POOL AND POOL BUILDING

NO.	DATE	BY	REVISIONS
1	3/1/00	PLAN CHECK COMMENTS	
2	2/28/02	STORM DRAIN REVISION	

Sheet Number: P2.03

C-18-98