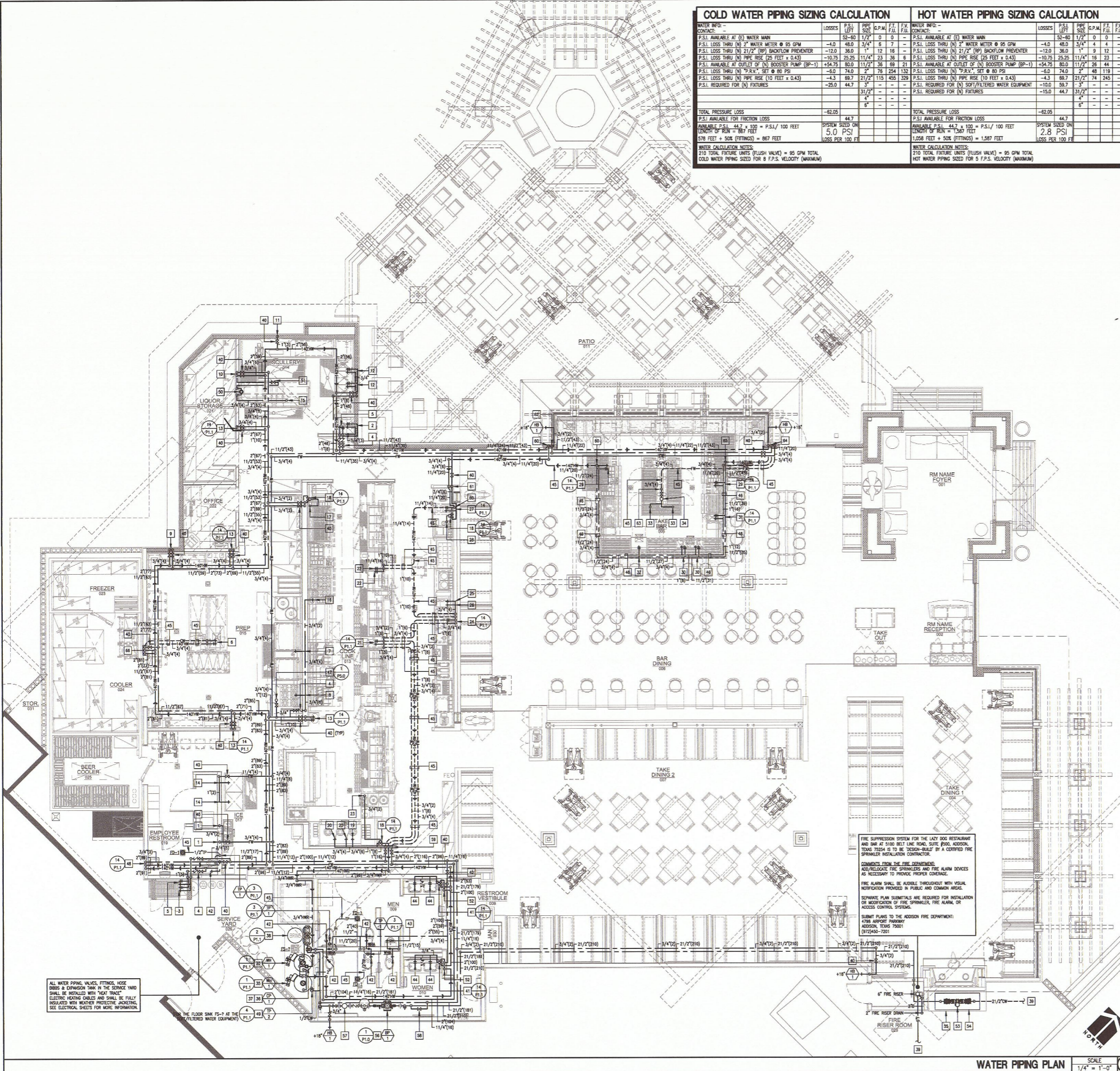


COLD WATER PIPING SIZING CALCULATION and HOT WATER PIPING SIZING CALCULATION tables showing pressure losses, flow rates, and pipe sizes for various fixtures and equipment.

PLAN NOTES: 1. 3/4" CW @ +10' A.F.F. TO CARBONATOR/SODA SYSTEM... 2. 3/4" CW @ +3' A.F.F. TO WOP SINK... 3. 1/2" CW @ +3' A.F.F. TO WASH SINK... 4. 1/4" TURN SHUT-OFF VALVES AND NIBCO MODEL ES-400-1-F CHECK VALVES...



PLAN NOTES (continued): 11. 3/4" CW @ +3' A.F.F. TO WASH SINK... 12. 3/4" CW @ +1' A.F.F. TO POT FILLER... 13. 3/4" CW @ +1' A.F.F. TO POT FILLER... 14. 1" FW @ +1' A.F.F. TO ICE MACHINE... 15. 3/4" CW @ +1' A.F.F. TO SOLEDISHTABLE SCOP TROUGH... 16. 3/4" CW @ +5' A.F.F. TO POT FILLER... 17. 3/4" HOT HW @ +3' A.F.F. TO DISPENSER... 18. 3/4" CW @ +1' A.F.F. TO CHINESE WOK RANGE... 19. 3/4" CW @ +1' A.F.F. TO CHINESE WOK RANGE... 20. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 21. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 22. 3/4" HOT HW TO 3-WAY HOT FOOD UNIT... 23. 3/4" HOT HW TO DISPENSER... 24. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 25. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 26. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 27. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 28. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 29. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 30. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 31. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 32. 1" HOT HW @ +2' A.F.F. TO GLASSWASHER... 33. 1" CW @ +1' A.F.F. TO GLASSWASHER... 34. INSTALL NEW GAS-FIRED WATER HEATER... 35. INSTALL HOT WATER RE-CIRCULATION PUMP... 36. LOCATION OF 7-DAY PROGRAMMABLE TIME CLOCK FOR HOT WATER RE-CIRC. PUMP... 37. LOCATION OF 7-DAY PROGRAMMABLE TIME CLOCK FOR HOT WATER RE-CIRC. PUMP... 38. SEE SPP/FILTERED WATER SCHEDULE (S/P/S) ON P.11 FOR PLUMBING OF FILTERED WATER EQUIPMENT... 39. SEE CIVIL DRAWINGS FOR CONTINUATION... 40. INSTALL ISOLATION 1/4 TURN VALVES ABOVE THE CEILING TO ISOLATE PLUMBING ZONES... 41. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 42. 1/2" CW TO WATER CLOSET... 43. 1/4" CW TO URINAL... 44. 3/4" HOT HW @ +2' A.F.F. TO LAUNDRY FAUCET... 45. SUPPLY PIPING BELOW THE FLOOR... 46. ROUTE SUPPLY PIPING THRU BAR WALL... 47. 3/4" CW ON HANG UP THRU ROOF... 48. 3/4" CW @ +10' TO 12' HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 49. 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 50. INSTALL TRAP PRIMER VALVE... 51. INSTALL WATTS #222A 3/4" LEAD FREE ANTI-SIPHON VACUUM BREAKER... 52. INSTALL 1/4 TURN SHUT-OFF VALVE IN EASILY ACCESSIBLE LOCATION NEAR FRONT OF COUNTER... 53. 3/4" CW @ +2' TO 12' HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO THERMOSTATIC MIXING VALVE... 54. SUPPLY AND INSTALL WATTS #222A 3/4" LEAD FREE ANTI-SIPHON VACUUM BREAKER... 55. SEE SHEET P.1.2 FOR WATER PRESSURE BOOSTER PUMP... 56. INSTALL WILKINS MODEL #3000FC 2 1/2" WATER PRESSURE REDUCING VALVE... 57. INSTALL 1/4 TURN BY-PASS SHUT-OFF VALVE FOR WATER PRESSURE BOOSTER PUMP... 58. 1" CW 3/4" FW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 59. 1 1/2" CW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 60. 3/4" CW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 61. 3/4" CW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 62. 1 1/2" CW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 63. 3/4" CW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 64. 3/4" CW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE... 65. 3/4" CW @ +1' A.F.F. HW ON TO +2' A.F.F. TO 3/4" CW @ +3' A.F.F. TO LEONARD #370-LF LEAD FREE THERMOSTATIC MIXING VALVE...

WATER PIPING INSTALLATION NOTE: THE PLUMBING CONTRACTOR SHALL INSTALL ALL WATER PIPING FULL SIZE AS INDICATED ON THIS PLAN IN ORDER TO KEEP THE VELOCITY OF THE WATER FLOWING IN THE COPPER LINES TO 5 FEET PER SECOND... GENERAL NOTES: SEE SHEET P1.2 FOR ALL PLAN SPECIFIC GENERAL NOTES.

ENGINEERING GROUP, INC. 18852 FLORIDA STREET, SUITE #100... PROJECT NUMBER: 235-002

REVISION SCHEDULE table with columns for Rev, Date, and Description.

Lazy Dog RESTAURANT & BAR logo and project information including address and building department.

PROJECT INFORMATION: PROJECT NAME: LAZY DOG RESTAURANT & BAR, PROJECT ADDRESS: VILLAGE ON THE PARKWAY, 5100 BELT LINE ROAD, SUITE 500... PROJECT # 235-002, ISSUE DATE: 10-22-2014.

WATER PIPING PLAN SCALE 1/4" = 1'-0"