

From the Hydraulic Calculation - Retail Space
 1. Sprinkler 28 gpm per square foot over the wet return 275
 2. Sprinkler 28 gpm per square foot over the wet return 275
 3. Sprinkler 28 gpm per square foot over the wet return 275
 4. Sprinkler 28 gpm per square foot over the wet return 275
 5. Sprinkler 28 gpm per square foot over the wet return 275
 6. Sprinkler 28 gpm per square foot over the wet return 275
 7. Sprinkler 28 gpm per square foot over the wet return 275
 8. Sprinkler 28 gpm per square foot over the wet return 275
 9. Sprinkler 28 gpm per square foot over the wet return 275
 10. Sprinkler 28 gpm per square foot over the wet return 275
 11. Sprinkler 28 gpm per square foot over the wet return 275
 12. Sprinkler 28 gpm per square foot over the wet return 275
 13. Sprinkler 28 gpm per square foot over the wet return 275
 14. Sprinkler 28 gpm per square foot over the wet return 275
 15. Sprinkler 28 gpm per square foot over the wet return 275
 16. Sprinkler 28 gpm per square foot over the wet return 275
 17. Sprinkler 28 gpm per square foot over the wet return 275
 18. Sprinkler 28 gpm per square foot over the wet return 275
 19. Sprinkler 28 gpm per square foot over the wet return 275
 20. Sprinkler 28 gpm per square foot over the wet return 275
 21. Sprinkler 28 gpm per square foot over the wet return 275
 22. Sprinkler 28 gpm per square foot over the wet return 275
 23. Sprinkler 28 gpm per square foot over the wet return 275
 24. Sprinkler 28 gpm per square foot over the wet return 275
 25. Sprinkler 28 gpm per square foot over the wet return 275
 26. Sprinkler 28 gpm per square foot over the wet return 275
 27. Sprinkler 28 gpm per square foot over the wet return 275
 28. Sprinkler 28 gpm per square foot over the wet return 275
 29. Sprinkler 28 gpm per square foot over the wet return 275
 30. Sprinkler 28 gpm per square foot over the wet return 275

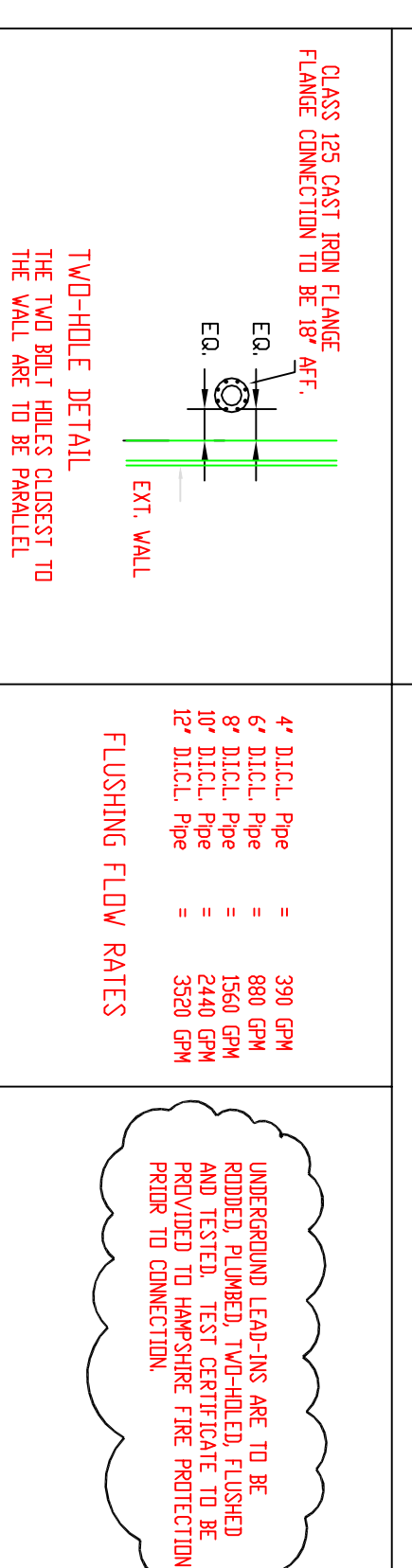
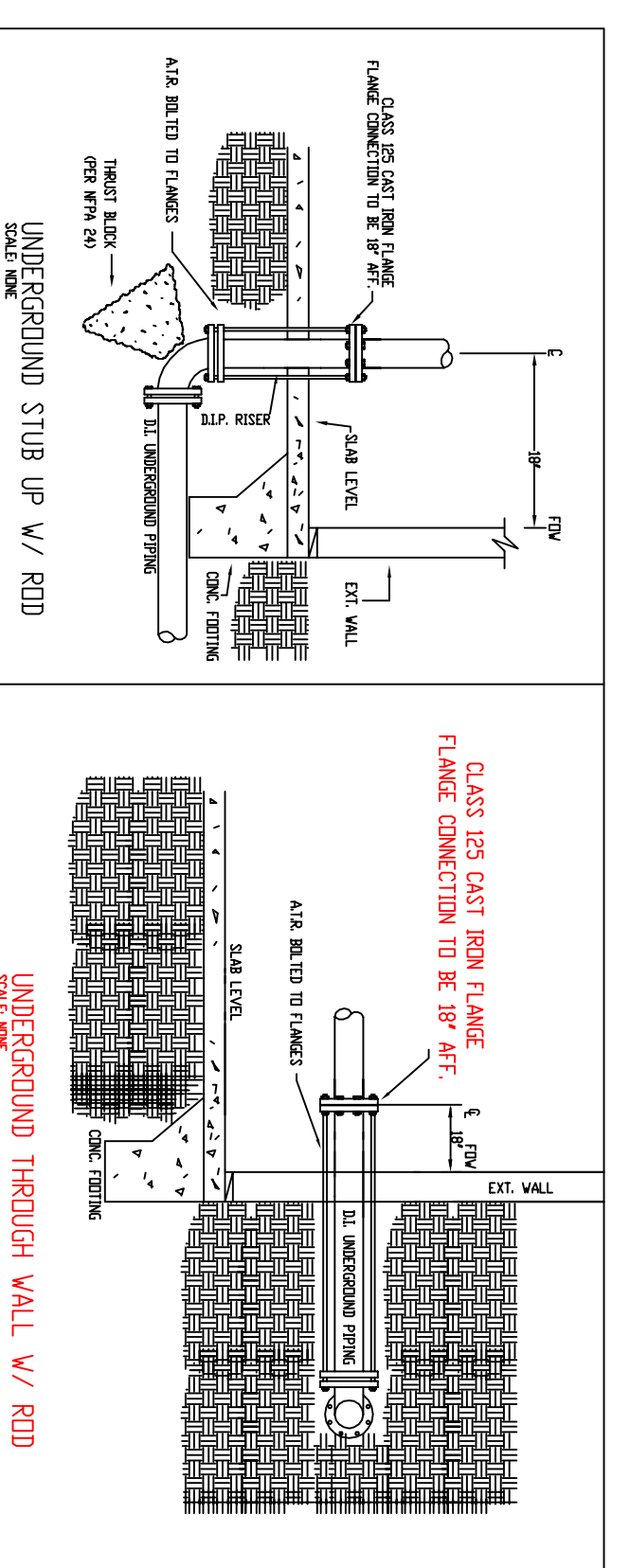
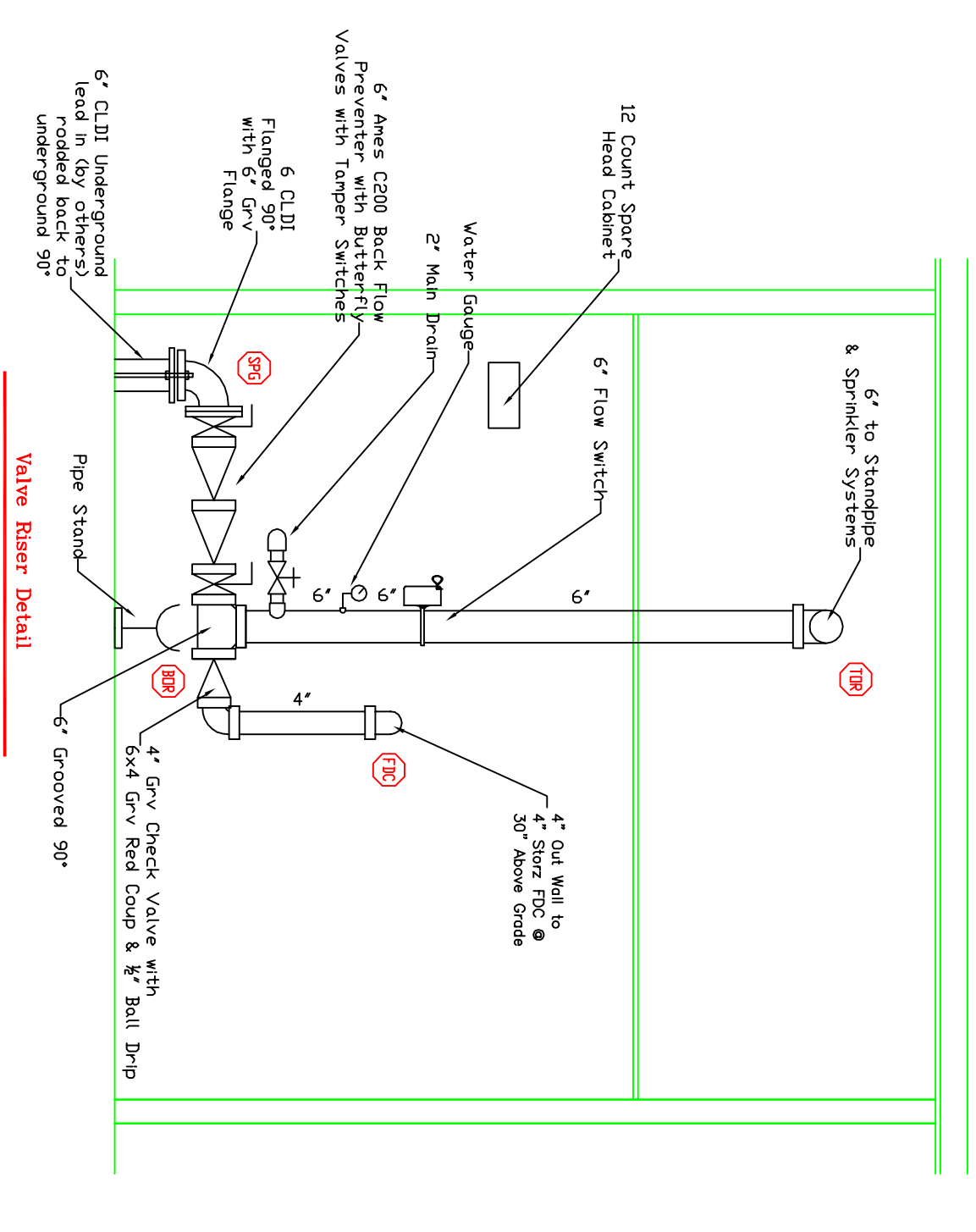
1st Floor Fire Sprinkler Plan
 1/8" = 1'-0"

Symbol	Count	Thread	K-Factor	Description	Note
○	77	1/2"	5.6	RELIABLE FTR-56, 155' WHITE RECESSED PENDENT	RA1414
●	60	1/2"	5.6	RELIABLE FTR-56, 155' WHITE UPRIGHT	RA1425
○	23	1/2"	5.6	RELIABLE F30R WHITE RECESSED DRY PENDENT 200'	RS714
△	3	1/2"	5.6	RELIABLE STD RESP HSW 212'	RI225

153 = Total Number of Heads this floor

From the Hydraulic Calculation - Retail Space
 1. Sprinkler 28 gpm per square foot over the wet return 275
 2. Sprinkler 28 gpm per square foot over the wet return 275
 3. Sprinkler 28 gpm per square foot over the wet return 275
 4. Sprinkler 28 gpm per square foot over the wet return 275
 5. Sprinkler 28 gpm per square foot over the wet return 275
 6. Sprinkler 28 gpm per square foot over the wet return 275
 7. Sprinkler 28 gpm per square foot over the wet return 275
 8. Sprinkler 28 gpm per square foot over the wet return 275
 9. Sprinkler 28 gpm per square foot over the wet return 275
 10. Sprinkler 28 gpm per square foot over the wet return 275
 11. Sprinkler 28 gpm per square foot over the wet return 275
 12. Sprinkler 28 gpm per square foot over the wet return 275
 13. Sprinkler 28 gpm per square foot over the wet return 275
 14. Sprinkler 28 gpm per square foot over the wet return 275
 15. Sprinkler 28 gpm per square foot over the wet return 275
 16. Sprinkler 28 gpm per square foot over the wet return 275
 17. Sprinkler 28 gpm per square foot over the wet return 275
 18. Sprinkler 28 gpm per square foot over the wet return 275
 19. Sprinkler 28 gpm per square foot over the wet return 275
 20. Sprinkler 28 gpm per square foot over the wet return 275
 21. Sprinkler 28 gpm per square foot over the wet return 275
 22. Sprinkler 28 gpm per square foot over the wet return 275
 23. Sprinkler 28 gpm per square foot over the wet return 275
 24. Sprinkler 28 gpm per square foot over the wet return 275
 25. Sprinkler 28 gpm per square foot over the wet return 275
 26. Sprinkler 28 gpm per square foot over the wet return 275
 27. Sprinkler 28 gpm per square foot over the wet return 275
 28. Sprinkler 28 gpm per square foot over the wet return 275
 29. Sprinkler 28 gpm per square foot over the wet return 275
 30. Sprinkler 28 gpm per square foot over the wet return 275

Heat & Insulation to prevent wet sprinkler piping from freezing is reqd and is by others.



UNDERGROUND DETAIL
 NOT TO SCALE

Hamppshire
 FIRE PROTECTION

9 NORTH WENTWORTH AVENUE, LONDONDERRY, NH 03055
 PH: (603) 432-6221 FAX: (603) 434-5194
 WEB SITE: HAMPSHIRE.COM
 MASS LICENSED PROFESSIONAL ENGINEER
 VERMONT CERTIFIED

WATER SUPPLY DATA		SPRINKLERS	
Static pressure	108 psi	Total This Sheet	
Residual pressure	102 psi	Description	
Flow	157 gpm	Drawing 1st Floor Fire Sprinkler Plan	
Elevation of		Contact	Koehnke
Date	Aug 11 2015 Time 10:02 AM	Drawn By	BW
Information	Worked Water	Scale	As Noted
		Date	05-25-13
		Approval By	Portland ME
		Revisions	1 2 3 4 5 6 7
		Project: Marriott Courtyard Hotel 321 Commercial Street Portland ME 04101	
		Contact with: Opedtch Construction 11 Corporate Drive Brimont NH 03220	
		FIRE PROTECTION ENGINEER STAMP	