

AT LARGEST OF 5TH FLOOR STRUCTURE (IN ADDITION TO CEILING TRUSS SPACING) (1) LAYER OF 1/2\"/>

TOP OF STEEL 153'-4\"/>

NOTE: 88 HORIZONTAL DISTANCE = 25H FROM CENTER LINE
 1. Determine 88 gpm per square foot over the entire 5th floor
 2. 5th floor area = 10,000 sq ft
 3. 88 gpm per square foot x 10,000 sq ft = 880,000 gpm
 4. 880,000 gpm / 100 gpm per head = 8,800 heads
 5. 8,800 heads / 100 heads per riser = 88 risers
 6. The riser 25H from center line is 88 risers
 7. The riser 25H from center line is 88 risers
 8. The riser 25H from center line is 88 risers
 9. The riser 25H from center line is 88 risers
 10. The riser 25H from center line is 88 risers

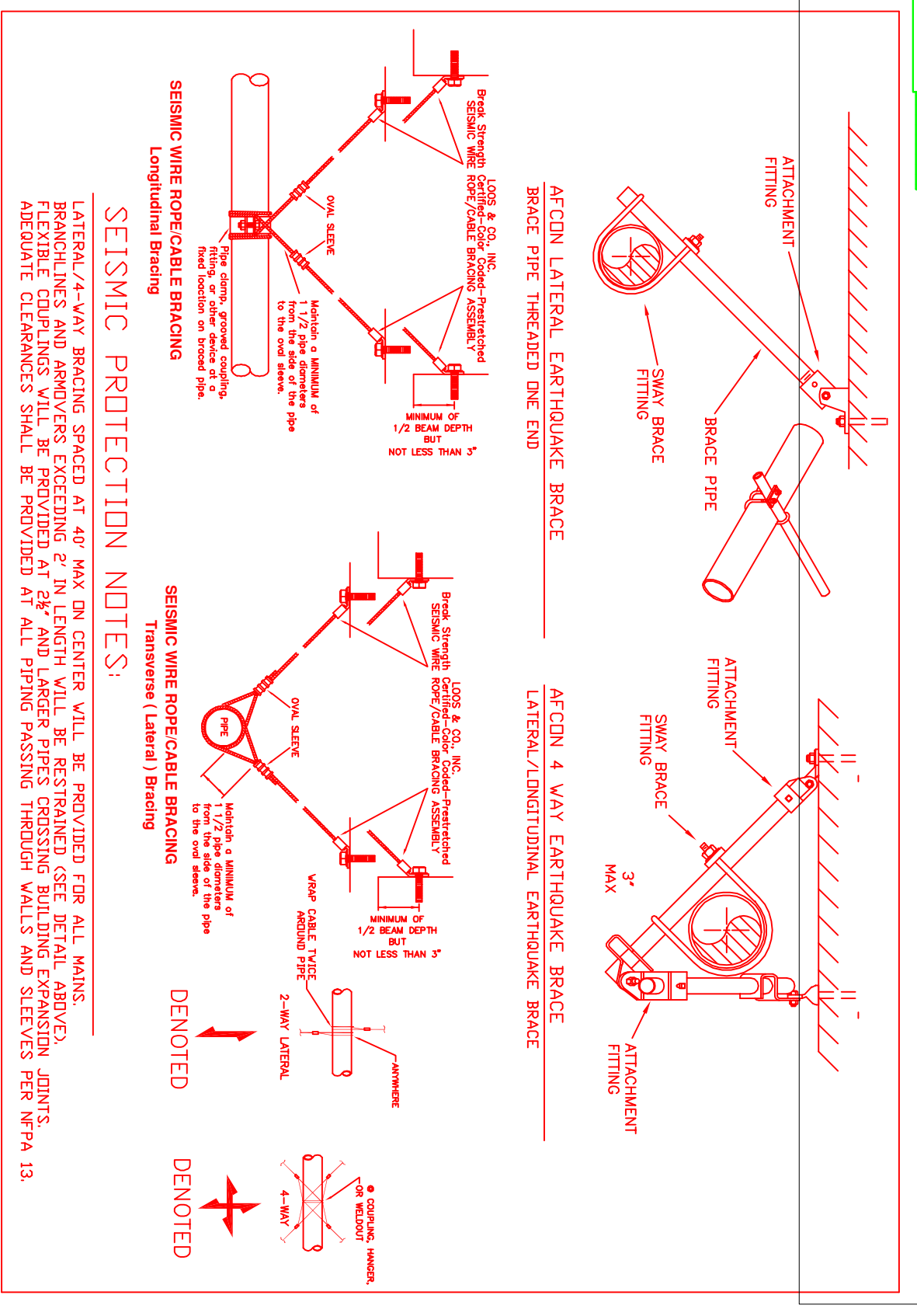
NOTE: 88 HORIZONTAL DISTANCE = 25H FROM CENTER LINE
 1. Determine 88 gpm per square foot over the entire 5th floor
 2. 5th floor area = 10,000 sq ft
 3. 88 gpm per square foot x 10,000 sq ft = 880,000 gpm
 4. 880,000 gpm / 100 gpm per head = 8,800 heads
 5. 8,800 heads / 100 heads per riser = 88 risers
 6. The riser 25H from center line is 88 risers
 7. The riser 25H from center line is 88 risers
 8. The riser 25H from center line is 88 risers
 9. The riser 25H from center line is 88 risers
 10. The riser 25H from center line is 88 risers

Symbol	Count	Thread	K-Factor	Description	Note
●	36	1/2"	5.6	RELIABLE FTRR-56, 155' WHITE RECESSED PENDENT	RA1414
○	33	3/4"	8.0	RELIABLE FTRR WHITE OR EXTENDED COVERAGE RECESSED PENDENT	R484Z
○	80	1/2"	4.2	RELIABLE FTRR WHITE OR RECESSED PENDENT	RA1413
○	1	1/2"	5.6	RELIABLE FTRR-56, 155' BRASS UPRIGHT	RA1425

150 = Total Number of Heads this floor

5th Floor Fire Sprinkler Plan
 1/8" = 1'-0"

SEISMIC DETAILS



Hampshire
 FIRE PROTECTION
 8 NORTH WENTWORTH AVENUE, LONDONDERRY, NH 03053
 PH: (603) 437-8221 FAX: (603) 434-3194
 MASS LIC# 003841 MAINE LIC# 288
 VERMONT CERTIFIED

WATER SUPPLY DATA

Static pressure	106	psi
Residual pressure	102	psi
Flow	1537	gpm
Location	Corner of Commercial & Maple	
Eventual Q-C	May 11 2013 (Time 8:00 AM)	
Information	Portland Water	

SPRINKLERS

Total This Sheet	Total This Job

Revised 5th Floor Fire Sprinkler Plan

Contract No.	NS19006
Drawn By	BTW
Scale	As Noted
Date	05-28-13
Approval	By Portland ME

Project:

Marricht Courtyard Hotel
321 Commercial Street
Portland ME 04101

Contract with:

Opetchee Construction
11 Corporate Drive
Bethmont NH 03220

FIRE PROTECTION ENGINEER STAMP

1	
2	
3	
4	
5	
6	
7	