

NFPA 13:5-2.3

RECEIVED

JUL 06 1998

STATE FIRE MARSHAL
ARCHITECTURAL SECTION



National Fire Protection Association

Engineering

1 Batterymarch Park, Quincy, Massachusetts 02269-9101 USA
Telephone (617) 770-3000 Fax (617) 984-7110 Electrical Dept. Fax (617) 984-7070

June 25, 1998

Log #13-635-98

Jean C. Carter Jr. Architect
Plan Review Division
Office of State Fire Marshal
Department of Public Safety and Correction
5150 Florida Blvd.
Baton Rouge, LA 70806

Dear Mr. Carter:

This replies to your fax of June 19, 1998, requesting information on the 1996 edition of NFPA 13, *Standard for the Installation of Sprinkler Systems*. The NFPA cannot approve a particular design or arrangement, but I can offer you my personal opinion of the standard as it relates to your situation.

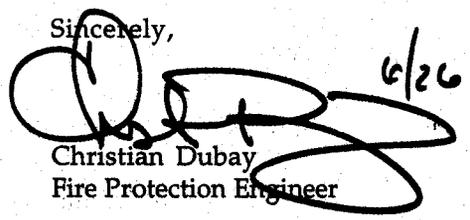
Based upon your fax several issues must be addressed in order to calculate less than the minimum design area:

- 1) Each area must be protected by a separate system. This appears to be the case in your fax, a dry-pipe and a wet-pipe sprinkler system.
- 2) The individual systems must be separated by each other by separation meeting the requirements of the room design method. This allows for areas less than the minimum design area to be calculated.

In the event that the above requirements are met, then the 1,330 sq. ft. of dry-pipe could be independently calculated from the wet-pipe system. However, if the above requirements are not met, then the minimum design area of 1,500 sq. ft. must be met. Again, based upon your fax, if both areas are required to be calculated, the 1,330 sq. ft. dry-pipe area plus and additional 1,70 sq. ft. of the wet-pipe system must be calculated and compared to the remote 1,500 sq. ft. of the wet-pipe system.

This response does not represent a Formal Interpretation as noted below in the Important Notice.

Sincerely,

 6/26
Christian Dubay
Fire Protection Engineer

LA. S.F.M. PLAN REVIEW
 PO# 151529 REVIEWER J. CARTER
 READING FILE DATE MO APR YR 98
 ORIG. TO: _____
 SENDER _____ APPL. POB OWNER _____
 CC'S _____
 COPY WHAT PGS. 6
 B.R. N.O. _____
 SHREVE _____
 DETAIL _____
 OTHER _____

IMPORTANT NOTICE: This correspondence is not a Formal Interpretation issued pursuant to NFPA Regulations. Any opinion expressed is the personal opinion of the author, and does not necessarily represent the official position of the NFPA or its Technical Committees. In addition, this correspondence is neither intended, nor should be relied upon, to provide professional consultation or services.

BRASCO: DAVID MILLEA, D. LEBLANC, J. MOORE

- SPEED LETTER
- PHONE CALL RECAP
- TRANSMITTAL FAX
- OTHER
- MEETING NOTES
- OTHER

NAME CHRISTIAN DUBAY
 COMPANY NFPA
 PHONE 617.770.3000.3458/ FAX 617.984.7110
 ADDRESS P151529
 SUBJECT ^{DESIGN} PROTOCOL FOR SUBSTANDARD HYDRAULIC AREA
 COMMENTS BY J. CARTER DATE 6.19.98 PAGE 1 OF 1

CHRIS:
 ATTACHED, PLEASE FIND FOUR (4) PAGES OF CORRESPONDENCE, PERTAINING TO SUBJECT HYDRAULIC DESIGN PROTOCOL. WHY SHOULDN'T THE DRY AREA (1330 S.F.) BE REQUIRED TO MAKE UP THE DIFFERENCE OF DEFICIENT AREA, BY ADDING ADDITIONAL AREA FROM ADJACENT WET ~~WET~~ SYSTEM (TO COMPENSATE EQUAL THE 1500 S.F. MINIMUM REQUIRED BY 1994 NFPA 13: FIG. 5-2.3)? I REALIZE THESE ARE TWO SEPERATE SYSTEMS, MANAFOLDED AT THE POINT OF BUILDING ENTRY. HOWEVER, IT IS ALL STILL ONE BUILDING, WITH NO FIRE BARRIERS SUBDIVIDING/ISOLATING POTENTIAL HYDRAULIC AREAS INTO LESS THAN 1500 S.F. (OR 1950 S.F.) MINIMUM REQUIREMENTS, WHEN I SEE NO CODE REFERENCE THAT WOULD EXEMPT A DESIGNER FROM INCLUDING ADJACENT WET SYSTEM AREA TO MEET REQUIRED MINIMUM, AND ADDING THIS ADDITIONAL FLOW/PRESSURE AT THE POINT OF CONNECTION (AT THE MANAFOLD), PLEASE ADVISE (CODE REFERENCE REQUESTED).



JEAN C. CARTER JR., ARCHITECT
 PLAN REVIEW DIVISION
 OFFICE OF STATE FIRE MARSHAL
 DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONS

CC: D. MILLER / BRASSCO
 M. RAGLAUD / P.O.R.

5150 FLORIDA BLVD.
 BATON ROUGE, LA 70808
 1-800-256-5452
 (504) 925-4911
 FAX (504) 925-4414

BRASSCO INC.

Baton Rouge Automatic Sprinkler Systems Co.

RECEIVED

P.O. BOX 46121
BATON ROUGE, LA 70895
PHONE (504) 275-6212

JUN 16 1998

June 11, 1998

STATE FIRE MARSHAL
ARCHITECTURAL SECTION

Jean C. Carter, Jr.
Plan Review Architect
Office of State Fire Marshal
5150 Florida Boulevard
Baton Rouge, Louisiana 70806

Re: Mary Bird Perkins Cancer Center
St. Tammany Facility
Covington, Louisiana
Sprinkler Review Number P0151529

BRASSCO Job No. 1723-98

Dear Jean,

As we discussed on the telephone yesterday, I have discussed the issue of a small Dry-Pipe sprinkler system (less than 1500 sq ft) in addition to a Wet-Pipe sprinkler system with both Chris Dubay of NFPA and Roland Huggins, P.E. of the American Fire Sprinkler Association. Chris is the staff liaison for NFPA 13 and Roland is on the NFPA 13 Committee. Both Chris and Roland agree that these are two separate systems and that the Dry-Pipe system should be calculated with all of the sprinklers flowing without adding any sprinklers from the Wet-Pipe system.

Please delete comment number seven from your review letter and notify the inspection section and the architect that the design and calculations are acceptable without modifications.

A copies of your review letter and the letter to you from the Architect are enclosed for your reference.

If you should have any further questions, please let me know.

Sincerely,



David L. Miller, P.E.
BRASSCO, Inc.

enc.

LA. S.F.M. PLAN REVIEW

PO# _____ REVIEWER _____
READING FILE DATE MO _____ YR _____
ORIG. TO: _____
SENDER _____ APPL. _____ OWNER _____
CC'S _____
COPY WHAT PGS. _____
B.R. _____ N.O. _____ ALEX. _____ LAF. _____
SHREVE. _____ HC FILE _____ HC DEPT. _____
DET FILE _____ HR FILE _____ NON-REQ. SYST. _____
OTHER _____