

**SPRINKLER FLOW ALARM
MAINTENANCE**

Effective date: 09/85
Revision date : 08/12
Review date :

Policy:

Ensure that facility sprinkler flow alarms are installed, inspected, maintained and operated according to required NFPA standards and Local, State and Federal regulations.

Prevailing Codes and Standards:

TJC EC .02.03.05 NFPA 13

PM Cross Reference:

Task 7, craft 12, Equip # same as fire alarm system

Location:

1. HOSPITAL K-WING pumped system

(A) Basement

Test header - Outside stairwell K2, North 40 ft.
F/S - OS&Y Valve - Outside South stairwell K2
Test Header - Outside stairwell K1, South 60 ft.
F/S - OS&Y Valve - Outside stairwell K1

(B) Ground Floor

Test header - Room KG-10
F/S - OS&Y Valve - Outside room KG-10
Test Header - Room KG-16
F/S - OS&Y Valve - Room KG-15

(C) First Floor

Test header - Room K1-13
F/S - OS&Y Valve - Room K1-15
Test Header - Outside room K1-33
F/S - OS&Y Valve - Outside stairwell K1

(D) Second Floor

Test header - Room K2-09
F/S - OS&Y Valve - Room K2-19
Test Header - Room K2-29B
F/S - OS&Y Valve - Outside stairwell K1

(E) Third Floor

Test header - Room K3-03B
F/S - OS&Y Valve - Room K3-18
Test Header - Outside room K3-27
F/S - OS&Y Valve - Outside stairwell K1

(F) Fourth Floor

Test header - Room K4-45
F/S - OS&Y Valve - Room K4-17
Test Header - Room K4-45
F/S - OS&Y Valve - Outside stairwell K1

(G) Fifth Floor

Test header - Room K5-39
F/S - OS&Y Valve - Room K5-15
Test Header - Room K5-39
F/S - OS&Y Valve - Outside stairwell K1

(H) Sixth Floor

Test header - Room K6-52

- F/S - OS&Y Valve - Room K6-19
- Test Header - Room K6-52
- F/S - OS&Y Valve - Outside stairwell K1
- (I) Seventh Floor
 - Test header - Room K7-52
 - F/S - OS&Y Valve - Room K7-19
 - Test Header - Room K7-52
 - F/S - OS&Y Valve - Outside stairwell K1
- (J) Eighth Floor
 - Test header - Room K8-52
 - F/S - OS&Y Valve - Room K8-19
 - Test Header - Room K8-52
 - F/S - OS&Y Valve - Outside stairwell K1
- (K) Ninth Floor
 - Test header - Room K9-52
 - F/S - OS&Y Valve - Room K9-19
 - Test Header - Room K9-52
 - F/S - OS&Y Valve - Outside stairwell K1
- (L) Tenth Floor
 - Test header - Room K10-52
 - F/S - OS&Y Valve - Room K10-19
 - Test Header - Room K10-52
 - F/S - OS&Y Valve - Outside stairwell K1
- (M) Penthouse
 - Test Header - KP-01
 - F/S - OS&Y Valve - Outside stairwell K1

2. HOSPITAL G, H, J, E-Wings Pumped System

- (A) First Floor
 - F/S - OS&Y Valve (A Wing) - Outside A1-19
 - F/S - OS&Y Valve (B Wing) - Hallway next to Elev P-5
 - F/S - OS&Y Valve (C Wing) - Outside Room C1-19
 - F/S - OS&Y Valve (D Wing) - Hallway next to D1-11
 - F/S - OS&Y Valve (for Front Entrance & (Partial E Wing Security)) - Hallway north of E1-20
 - F/S - OS&Y Valve (H-F-E Wing) Partial D Wing) - Hallway next to stair 6
 - F/S - OS&Y Valve (J Wing) - Outside J1-4
 - OS&Y Valve (G Wing) - Hallway Near G1-6
- (B) Second Floor
 - F/S - OS&Y Valve (A Wing) - Room 2A-1 Above FHC
 - F/S - OS&Y Valve (B Wing) - Hallway by Elev P-5
 - Test Header
 - F/S - OS&Y Valve (C Wing) - C-Wing West Stairwell #2
 - Test Header
 - F/S - OS&Y Valve (D Wing) - Hallway above FHC
 - Test Header
 - F/S - OS&Y Valve (E Wing) - Hallway near Room E2-11
 - Test Header
 - F/S - OS&Y Valve (G Wing) - Hallway near Room G2-10
 - Test Header
 - F/S - OS&Y Valve (H Wing) - Room H2-24
 - Test Header

F/S - OS&Y Valve (J Wing) - Near Room J2-12
Test Header

(C) Third Floor

F/S - OS&Y Valve (B Wing) - Hallway Near Stairway
Test Header

F/S - OS&Y Valve (D Wing) - PICU Stairway
Test Header

F/S - OS&Y Valve (E Wing) - Room E3-1
Test Header

F/S - OS&Y Valve (G Wing) - Hallway Near Room G3-11
Test Header

F/S - OS&Y Valve (H Wing) - Room H3-24
Test Header

F/S - OS&Y Valve (J Wing) - Hallway Near Room J3-9

(D) Fourth Floor

F/S - OS&Y Valve (E Wing) - Room E4-33B
Test Header

F/S - OS&Y Valve (G Wing) - Hallway Near Room G4-11
Test Header

F/S - OS&Y Valve (H Wing) - Room H4-24
Test Header

F/S - OS&Y Valve (J Wing) - Hallway Near Room J4-09
Test Header

(E) Fifth Floor

F/S - OS&Y Valve (G Wing) - Hallway Near G5-14
Test Header

F/S - OS&Y Valve (H Wing) - Room H5-24
Test Header

F/S - OS&Y Valve (J Wing) - Hallway Front of J5-14
Test Header

(F) Sixth Floor

F/S - OS&Y Valve (G Wing) - Hallway Near G6-11
Test Header

F/S - OS&Y Valve (H Wing) - Room H6-24
Test Header

F/S - OS&Y Valve (J Wing) - Hallway Near J6-9

(G) Seventh Floor

F/S - OS&Y Valve (G Wing) - Hallway Near G7-11
Test Header

F/S - OS&Y Valve (H Wing) - Room H7-24
Test Header

F/S - OS&Y Valve (J Wing) - Hallway Near Room J7-7
Test Header

(H) Eighth Floor

F/S - OS&Y Valve (G Wing) - Hallway Near G8-11
Test Header

F/S - OS&Y Valve (H Wing) - Room H8-24
Test Header

F/S - OS&Y Valve (J Wing) - In Room J8-8
Test Header

(I) Ninth Floor

F/S - OS&Y Valve (G Wing) - Bathroom of Room G9-29
Test Header

F/S - OS&Y Valve (H Wing) - Room H9-19

- Test Header
- F/S - OS&Y Valve (J Wing) - Hallway Near Room J9-13
- Test Header
- (J) Tenth Floor
- F/S - OS&Y Valve (G Wing) - Hallway Near G10-12
- Test Header
- F/S - OS&Y Valve (H Wing) - Room H10-24
- Test Header
- F/S - OS&Y Valve (J Wing) - Hallway Near Room J10-9
- Test Header
- (K) Eleventh Floor
- F/S - OS&Y Valve (H Wing) - Room H11-11A
- Test Header
- (L) Twelfth Floor
- F/S - OS&Y Valve (H Wing) - Room H12-1
- This OS&Y Valve controls passenger elevators, service elevators, elevator equipment room and H12-2 mechanical room.*

3. HOSPITAL PUMPED SYSTEM

- (A) Ground
- Laundry
- F/S - OS&Y Valve - Clean linen storage
- Warehouse
- F/S - OS&Y Valve - Middle of warehouse GG-1
- C Wing
- Test header - CG-06
- F/S - OS&Y Valve - Outside CG-12
- D Wing - Dietary
- Test header - Outside cart wash, EG-04
- F/S - OS&Y Valve - Rear entrance JG-07
- F Wing
- F/S - OS&Y Valve - Ground floor elevator lobby
- D Wing
- F/S - OS&Y Valve - Ground floor over JG-4
- DG-20
- F/S - OS&Y Valve - Ground floor CG17
- B Wing
- F/S - OS&Y Valve - Hallway outside BG-02
- E Wing
- F/S - OS&Y Valve - Hallway front of EG-14
- A Wing
- F/S - OS&Y Valve - Mechanical room AG-14
- A Wing - Pharmacy
- F/S - OS&Y Valve - AG-13D-AG-13B located N.E. corner (Partial)AG-13 (Pharmacy)
- Medical Records G-1
- F/S - OS&Y Valve - Middle of GG-1
- S Wing (Old Power Plant) SG-12
- F/S - OS&Y Valve - JG-1 (J Wing Smoke Stack)

4. OUTPATIENT CLINIC PUMPED SYSTEM

- F/S - OS&Y Valve Gr.Fl.OPD - Mechanical room OG-18 above Test Header fire pump. Outside Fire Dept. connections

F/S - OS&Y Valve 1stFl.OPD - In hallway across from elevator
Test Header
F/S - OS&Y Valve 2ndFl.OPD - In hallway across from elevator
Test Header
F/S - OS&Y Valve 3rdFl.OPD - In hallway across from elevator
Test Header
F/S - OS&Y Valves for Mech. Rooms - O-331, 400, 401, 401A, 402
Test Header

5. MEDICAL SCHOOL - A BLDG. PUMPED SYSTEM

(A) Ground Floor

Test header - AG-107
F/S - OS&Y Valve - Outside AG-05

(B) Third Floor

F/S - OS&Y Valve - Outside A3-125

(C) Fourth Floor

F/S - OS&Y Valve - Outside A4-125

6. MEDICAL SCHOOL - B BLDG. PUMPED SYSTEM

(A) Ground

(1) F/S - OS&Y Valve - Outside BG-33
(2) F/S - OS&Y Valve - Outside BG-323
(3) F/S - OS&Y Valve - BG-200
(4) F/S - OS&Y Valve - Outside BG-305

(B) First Floor

(1) F/S - OS&Y Valve - Outside B1-324F
(2) F/S - OS&Y Valve - Outside B1-324C
(3) F/S - OS&Y Valve - Outside B1-TC
(4) F/S - OS&Y Valve - Outside B1-343A
(5) F/S - OS&Y Valve - Stairs behind B1-203 for B1-203

(C) Second Floor

(1) F/S - OS&Y Valve - Outside B2-223
(2) F/S - OS&Y Valve - Outside B2-225 for B2-235
(3) F/S - OS&Y Valve - Outside B2-237
(4) F/S - OS&Y Valve - Outside B2-TC

(D) Third Floor

(1) F/S - OS&Y Valve - Outside B3-245
(2) F/S - OS&Y Valve - Outside B3-201A
(3) F/S - OS&Y Valve - Outside B3-301
(4) F/S - OS&Y Valve - Outside B3-303
(5) F/S - OS&Y Valve - Outside B3-TC

(E) Fourth Floor

(1) F/S - OS&Y Valve - Outside B4-225
(2) F/S - OS&Y Valve - Inside B4-245 for B4-245A
(3) F/S - OS&Y Valve - Inside B4-345 for B4-345A
(4) F/S - OS&Y Valve - Outside B4-321
(5) F/S - OS&Y Valve - Outside B4-323
(6) F/S - OS&Y Valve - Outside B4-325
(7) F/S - OS&Y Valve - Outside B4-330

(F) Fifth Floor

(1) F/S - OS&Y Valve - Outside B5-212
(2) F/S - OS&Y Valve - Outside B5-228
(3) F/S - OS&Y Valve - Outside B5-347
(4) F/S - OS&Y Valve - Outside B5-TC

- (G) Sixth Floor
 - (1) F/S - OS&Y Valve - Outside B6-323
 - (2) F/S - OS&Y Valve - Outside B6-337
- (H) Seventh Floor
 - (1) F/S - OS&Y Valve - Outside B7-223
 - (2) F/S - OS&Y Valve - Outside B7-TC
- (I) Eighth Floor
 - (1) F/S - OS&Y Valve - Outside B8-226
 - (2) F/S - OS&Y Valve - Outside B8-235
 - (3) F/S - OS&Y Valve - Outside B8-313A
 - (4) F/S - OS&Y Valve - Outside B8-313B
 - (5) F/S - OS&Y Valve - Outside B8-315
- (J) Ninth Floor
 - (1) F/S - OS&Y Valve - Outside B9-211
 - (2) F/S - OS&Y Valve - Outside B9-221
 - (3) F/S - OS&Y Valve - Outside B9-223
 - (4) F/S - OS&Y Valve - Outside B9-229
 - (5) F/S - OS&Y Valve - Outside B9-230
 - (6) F/S - OS&Y Valve - Outside B9-231
 - (7) F/S - OS&Y Valve - Outside B9-315
 - (8) F/S - OS&Y Valve - Outside B9-329
 - (9) F/S - OS&Y Valve - Inside B9-917 for B9-339
 - (10) F/S - OS&Y Valve - Outside B9-TC
 - (11) F/S - OS&Y Valve - Outside B9-336
 - (12) F/S - OS&Y Valve - Outside B9-338
- (K) Tenth Floor
 - (1) F/S - OS&Y Valve - Outside B10-TC

7. MEDICAL SCHOOL - C BLDG. PUMPED SYSTEM

- (A) Ground Floor
 - (1) F/S - OS&Y Valve - Outside CG-412
 - (2) F/S - OS&Y Valve - Outside CG-414 for CG-414 & 414C
 - (3) F/S - OS&Y Valve - Outside CG-414 for CG-414D
- (B) First Floor
 - (1) F/S - OS&Y Valve - Inside C1-417 for C1-415A
 - (2) F/S - OS&Y Valve - Outside C1-420
 - (3) F/S - OS&Y Valve - Inside C1-424 for C1-424A & 420A
- (C) Second Floor
 - (1) F/S - OS&Y Valve - Outside C2-410
 - (2) F/S - OS&Y Valve - Outside C2-418 for C2-418A
 - (3) F/S - OS&Y Valve - Outside C2-430
- (D) Third Floor
 - (1) F/S - OS&Y Valve - Outside C3-405 for C3-405B
 - (2) F/S - OS&Y Valve - Outside C3-439 for C3-439B
 - (3) F/S - OS&Y Valve - Outside C3-445
 - (4) F/S - OS&Y Valve - Outside C3-424
 - (5) F/S - OS&Y Valve - Outside C3-450

8. ALLIED HEALTH & ADMINISTRATION KINGS HIGHWAY - PUMPED SYSTEM

- Test header - Inside main door G-1
- F/S - OS&Y Valve - Inside main door G-1

9. SPARTAN WAREHOUSE

- Test header - Located in each zone
- F/S - OS&Y Valve - Southeast corner of warehouse.

10. WOMEN'S & CHILDREN'S CENTER

- (A) First Floor
 - F/S - OS&Y Valve - Inside Stairwell 3
- (B) Second Floor
 - F/S - OS&Y Valve - Inside Stairwell 3

11. AMBULATORY CARE

- (A) First Floor
 - F/S - OS&Y Valve - Inside Stairwell 2 (1096B)
- (B) Second Floor
 - F/S - OS&Y Valve - Inside Stairwell 2 (2088)
- (C) Third Floor
 - F/S - OS&Y Valve - Inside Stairwell 2 (3094)

12. CANCER CENTER PUMPED SYSTEM

- (A) First Floor
 - F/S - OS&Y Valve - Inside C-104
- (B) Second Floor
 - F/S - OS&Y Valve - Inside B-203
- (C) Third Floor
 - F/S - OS&Y Valve - Inside B-303
- (D) Fourth Floor
 - F/S - OS&Y Valve - Inside B-403
- (E) Fifth Floor
 - F/S - OS&Y Valve - Inside B-503

13. ALLIED HEALTH FACILITY CLAIBORNE - PUMPED SYSTEM

- (A) Ground Floor
 - F/S - OS&Y Valve - Inside G1-51
 - F/S - OS&Y Valve - Elevator Lobby G1-36
 - F/S - OS&Y Valve - Corridor G1-43 outside G1-51
- (B) First Floor
 - F/S - OS&Y Valve - Inside Stairwell S1-30
- (C) Second Floor
 - F/S - OS&Y Valve - Inside Stairwell S2-51
- (D) Third Floor
 - F/S - OS&Y Valve - Inside Stairwell S3-45
- (E) Penthouse
 - F/S - OS&Y Valve - Inside Stairwell S4-45
 - F/S - OS&Y Valve - Outside Elevator Equipment Room 4-47

14. LEE DRY GOODS

- (A) First Floor
 - F/S - OS&Y Valve - Warehouse East Wall
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Procedure:

I. INSPECTION REQUIREMENTS

- (A) Maintenance personnel will perform preventive maintenance inspections on hospital flow alarms.
1. Coordinate flow alarm inspections with Hospital Administration, Safety, University Police, Fire Department and Physical Plant Engineering.
 2. Disable the fire alarm prior to flow activation.
 3. Connect water hose from the test header on each sprinkler line to an adequate drain.
 4. Open test header valve and flow water until it is free of contaminants.
 5. Confirm that alarm was detected by security.
 6. Adjust the flow alarm time delays and replace defective switches.
 7. Reset the system back to normal.
 8. Document discrepancies in the maintenance records.

II. RELATED POLICY

See policy on sprinklers, fire pumps, fire contractor, and fire jurisdiction for more information.