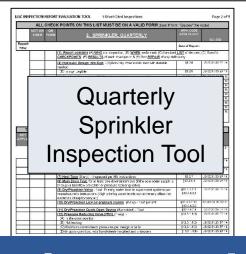
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for FREE







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Description	2010.	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FO		
The District State of State (1997) and the Control of State of Sta	FORM FORM	6. GENERATOR EXERCISE - MONTHLY	NEPA CODE NEPA 110 2010	
Consideration Consideratio			The state of the s	
Telligon Section Sec		CHECKPOINTS (F) RESULTS of each chappoint \$ (F) Doc REPAIR of any deli-	lo ency	
Distance of the control of the promise of the profit of the control of the contro			38 € 8	8 (0 31 75 FP 8
Monthly Generator Generator Monthly Generator		(3) Test Interval - minimum of 20 days, maximum of 40 days, EPSSs, including	NFTA 59-2012	EC.02 05.30 EP 3
Monthly Generator Generator		(3; Start-Up; (A) Load tests of generator sets shall include complete cold starts	\$0.4.4	.S 02.91.73 EF 6
Monthly Generator		36 houses by simulating a power outrigo by other	4837.14843	18 (CBL O LF)
	Ir	Generator	വ	ৰাড বাজ বাজ

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WHEA LUNCH & LEARN

Dec, 2018

IMPORTANT!

Prior to the webinar, go to www.Lauzon-lsc.com & download & print A free copy of the "Inspection Report Tool Box"

These forms will be used during this webinar. If you don't have the printed checklist, you'll have to view the fine print on the screen



TOOLS for REVIEW of

Inspection Documentation

Lauzon
Life Safety
Consulting



Heather Lauzon Werner



Bill Lauzon





HEALTH WHENGINGERING HEALTH WAS HELD THE WAS HELD TO THE WAS H Inspection Documentation

- 1. REALITIES of Document Review
- 2. Creating a Checklist
- 3. The Report Tool Box
- 4. Evaluate The Big 5 Doc Forms

Inspection Docs

Inspection Realities



Surveyors Review Very <u>Few</u> Inspection Reports

There are Many Codes

NFPA 10, Standard for Portable Fire Extinguishers, 2010 edition. NFPA 11, Standard for Low-, Medium-, and High-Expansion

Foam, 2010 edition.

NFPA 12, Standard on Carbon Dioxide Extinguishing Systems, 2011 edition.

NFPA 12A, Standard on Halon 1301 Fire Extinguishing Systems, 2009 edition.

NFPA 13, Standard for the Installation of Sprinkler Systems, 2010 edition.

NFPA 13D, Standard for the Installation of Sprinkler Systems in Oneand Two-Family Dwellings and Manufactured Homes, 2010 edition.

NFPA 13R, Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Installation Even Stanies in United 2010 edition.

NFPA 14, Standard for the In Systems, 2010 edition.

NFPA 15, Standard for Water tion, 2012 edition.

NFPA 16, Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems, 2011 edition.

NFPA 17, Standard for Dry Chemical Extinguishing Systems, 2009 edition.

NFPA 17A, Standard for Wet Chemical Extinguishing Systems, 2009 edition.

NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2011 edition.

NFPA 30, Flammable and Combustible Liquids Code, 2012 edition.

NFPA 30B, Code for the Manufacture and Storage of Aerosol Products, 2011 edition.

NFPA 31, Standard for the Installation of Oil-Burning Equipment, 2011 edition.

NFPA 40, Standard for the Storage and Handling of Cellulose

Standby Power Systems, 2010 edition.

NFPA 160, Standard for the Use of Flame Effects Before an Audience, 2011 edition.

NFPA 170, Standard for Fire Safety and Emergency Symbols, 2009 edition.

NFPA 204, Standard for Smoke and Heat Venting, 2012 edition. NFPA 211, Standard for Chimneys, Fireplaces, Vents, and Solid

Fuel-Burning Appliances, 2010 edition.

NFPA 220, Standard on Types of Building Construction, 2012 edition.

NFPA 221, Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls, 2012 edition.

arding Construction, Alteration,

Tests of Fire Resistance of Build-06 edition.

of Fire Tests of Door Assemblies,

2008 edition.

LSC, Chapter 2

NFPA 253, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source, 2011 edition.

NFPA 257, Standard on Fire Test for Window and Glass Block Assemblies, 2007 edition.

NFPA 259, Standard Test Method for Potential Heat of Building Materials, 2008 edition.

NFPA 260, Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture, 2009 edition.

NFPA 261, Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes, 2009 edition.

NFPA 265, Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile or Expanded Vinyl Wall Coverings

(MOST have Inspection Requirements)

There are Many Codes



(MOST have Inspection Requirements)

Here's How Many Inspections Are Required!

(They are ALL required by NFPA Codes)

EMERGENCY

C-Fire Safety Plan
Q-Fire Drills
A-Surigical Fire Drill
A-Hyperbaric Fire Drills
C=Report of Fires



POLICIES

C-Sprinkler Outage

C-Fire Alarm Outage

C-Fire Watch

C-Space Heater

C-Smoking

A-Surgical Procedures



JOINT COMMISSION

C-Interim Life Safety Measures

C-Construction Program

C-Fire Mnagement Plan

C-Life Safety Management Plan

C-Statement of Conditions

C-Utility Management Plan

C-Haz Materials Management Plan

C-Information Collection

C-Safety & Security Management Plan



(They are ALL required by NFPA Codes)

BUILDING

- A-Fire Doors
- S-Fire Dept Inspection
- D-Flame Spread Doc
- M-Elevator Recall
- A-Constr Means of Egress
- 3-Elevator Use Certificate
- 3-Pressure Vessel Certificate

7

MECHANICAL

- 4-Dampers
- 6-Dampers
- S-Smoke Control
- A-Smoke Control
- Q-Lab Hoods
- A-Lab Hoods
- W-Eye Wash
- A-Bulk Tank

8

FIRE ALARM

- W-Alarm Transmission
- M-Fire Alarm
- Q-Fire Alarm
- S-Fire Alarm
- A-Fire Alarm
- 2-Smoke Detector
- 10-Carbon Monoxide

/

(They are ALL required by NFPA Codes)

ELECTRICAL

W-Generator

M-Generator

A-Generator

A-Load Bank

3-Load Bank

A-Diesel Fuel

A-Natural Gas

A-Transfer Switch

S-Emergency Breakers

A-Emergency Breakers

2-Emergency Breakers

ELECTRICAL

M-Exit Signs

M-Battery Lights

A-Battery Lights

M-Battery Bank Sys

Q-Battery Bank Sys

A-Battery Bank Sys

M-Isolated Power

A-Isolated Power

S-Wet Locations

A-Outlets

A-Plug Strips

A-Lab Cords

23

(They are ALL required by NFPA Codes)

SUPPRESSION

M-Sprinkler

Q-Sprinkler

S-Sprinkler

A-Sprinkler

3-Sprinkler

5-Sprinkler

W-Standpipe

Q-Standpipe

A-Standpipe

3-Standpipe

5-Standpipe

SUPPRESSION

W-Fire Pump

M-Fire Pump

A-Fire Pump

A-Hyrdrants

5-Hyrdrants

D-Water Storage Tank

W-Water Storage Tank

M-Water Storage Tank

Q-Water Storage Tank

S-Water Storage Tank

A-Water Storage Tank

3-Water Storage Tank

5-Water Storage Tank

<u>SUPPRESSION</u>

M-Fire Extinguisher

A-Fire Extinguisher

H-Fire Extinguisher

S-Hood Cleaning

S-Hood Extinguisher

A-Kitchen Equipment

S-Clean Agent

A-Clean Agent

5-Clean Agent

M-Dry Chemical Agent

S-Dry Chemical Agent

A-Dry Chemical Agent

H-Dry Chemical Agent

37

How Many? (All Total)

Surveyors COULD ask to see

over 100!

How Many Inspection Reports do Inspectors Usually Ask to See?

About **10!**

That's less than!

of What they COULD Ask For!

Inspection Realities

#2

Surveyors Review 1% of Inspection Requirements

How do You Figure That?

#2

Surveyors Review 1% of Inspection Requirements

FIRE ALARM AND EMERGENCY COMMUNICATION SYSTEM INSPECTION AND TESTING FORM

To be completed by the system inspector or tester at the time of the inspection or test. It shall be permitted to modify this form as needed to provide a more complete and/or clear record. Insert I/NA in all unused lines.

Attach additional sheets, data, or calculations as necessary to provide a complete record.

PROPERTY INFORMATION			
Name of property: Main Street	et Towers		
Address: 12345 Main Street,			
Description of property: 40-s		lacent 1-story park	Ina structure
Occupancy type: B1			
	Mary Morris, Property Mana	ger, Mary's Manage	ment Company
Address: 12345 Main Street,		•	
Phone: 222/222-2222	Fax: 333/333-3333	E-mail:	mm@mmc.com
Authority having jurisdiction ove	er this property: Inspector Ja	ck Jones, Pleasantv	Ille Fire Department
	Fax: 555/555-5555		
	ND TESTING CONTRACTOR I		
Service and/or testing organization	on for this equipment: Fred's I	Fine Fire Alarm Sys	tems
Address: 789 Broad Street, I			
Phone: 888/888-8888	Fax: 999/999-9999	E-mail:	fredfriendly@fffas.com
Service technician or tester:			
Qualifications of technician or te	ster: NICET IV No bbbbbb		
	ster: NICET IV NO DEBER in accordance with NFPA stand	ards is in effect as o	E 6/11/2010
A contract for test and inspection	in accordance with NFPA stand		A Company of the Comp
A contract for test and inspection The contract expires: 6/11/2011	in accordance with NFPA stand	Frequency of	tests and inspections: Quarterly
A contract for test and inspection The contract expires:6/11/2011 Monitoring organization for this	n in accordance with NFPA stand Contract number: 45678	Frequency of	tests and inspections: Quarterly
A contract for test and inspection The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitoria	Frequency of	tests and inspections: _Quarterly
A contract for test and inspection The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P Phone: 7771777-7777	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitorin Ressantville, NY 01114	Frequency of E-mail:	tests and inspections: Quarterly manny@mannys.com
A contract for test and inspection The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P Phone: 777/777-7777	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitorin leasantville, NY 01114 Fax: 777/777-7771	Frequency of E-mail:	tests and inspections: Quarterly manny@mannys.com
A contract for test and inspection The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P Phone: 771/177-7777 Entity to which alarms are retrain	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitoria leasantville, NY 01114 Fax: 777/77771 nsmitted: Fleasantville Fire De	Frequency of E-mail:	tests and inspections: Quarterly manny@mannys.com
A contract for test and inspection The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P Phone: 771/177-7777 Entity to which alarms are retrain TYPE OF SYSTEM OR SERVI	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitoria leasantville, NY 01114 Fax: 777/77771 nsmitted: Fleasantville Fire De	Frequency of E-mail:	tests and inspections: Quarterly manny@mannys.com
A contract for test and inspection The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P Phone: 771/177-7777 Entity to which alarms are retrain TYPE OF SYSTEM OR SERVICE Fire alarm system (nonvoice)	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitoria leasantville, NY 01114 Fax: 777/77771 nsmitted: Fleasantville Fire De	Frequency of E-mail:	tests and inspections: Quarterly manny@mannys.com Phone: 444/444-4444
A contract for test and inspection The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P Phone: 771/177-7777 Entity to which alarms are retrain TYPE OF SYSTEM OR SERVI Fire alarm system (nonvoice) Fire alarm with in-building fire	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitoria leasantville, NY 01114 Fax: 777/77771 nsmitted: Pleasantville Fire De	Frequency of E-mail:	tests and inspections: Quarterly manny@mannys.com Phone: 444/444-4444
The contract expires: 6/11/2011 Monitoring organization for this Address: 899 First Street, P Phone: 771/177-7777 Entity to which alarms are retrain TYPE OF SYSTEM OR SERVI Fire alarm system (nonvoice)	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitoria leasantville, NY 01114 Fax: 7771777-7771 nsmitted: Pleasantville Fire De	Frequency of E-mail:	tests and inspections: Quarterly manny@mannys.com Phone: 444/444-4444
A contract for test and inspection The contract expires: _6/11/2011 Monitoring organization for this. Address: _899 First Street, P Phone: _771/77-7777 Entity to which alarms are retrain TYPE OF SYSTEM OR SERVI Fire alarm system (nonvoice) Fire alarm with in-building fire Mass notification system, with the	n in accordance with NFPA stand Contract number: 45678 equipment: Manny's Monitoria leasantville, NY 01114 Fax: 7771777771 nsmitted: Fleasantville Fire Del ICE re emergency voice alarm commu [S] e following components:	E-mail:_	tests and inspections: Quarterly manny@mannys.com Phone: 444/444-4444

@ 2009 National Fire Protection Association

FACTORS:

A. There is a
LIMITED TIME
Available for a
Surveyor to Review
Documents

B. Surveyors Do
NOT use a Checklist
of Required
Inspection Points

C. Document Review is BORING

NFPA 72 (p. 1 of 11)

THIS MEANS:

1. Surveyors Only Visually SCAN the **Document**

2. Surveyors Look for the 1-4 Things they are Familiar With

> 3. Typically they Scan Less Than 10% of the **Document Items**

4. SYSTEM POWER (continued	0		
4.3.4 Batteries Location: Inside each panel Calculated capacity of batteries to standby mode (hours): Ø Batteries are marked with date	to drive the system:	Nominal voltage: 24 VDC In alarm mode (minutes):	
5. ANNUNCIATORS 5.1 Location and Description Annunciator 1: Fire control re		☐ This syste	m does not have annunciators.
Annunciator 2: Front lobby at east entrance doors Annunciator 3: Engineering office on P1 level			
6. NOTIFICATIONS MADE PRICE	RTOTESTING		
Monitoring organization Building management Building occupants Authority having jurisdiction Other, if required	Contact: Mary Morris Contact: By PA Annou	tor uncement Fire Dept	Time: 8:00 AM Time: 8:15 AM
7 TESTING DESILITS			

7. TESTING RESULTS

7.1 Control Unit and Related Equipment

Description	Visual Inspection	Functional Test	Comments
Control unit	₫	a a	
Lamps/LEDs/LCDs	র্ত্ত	র্থ	
Fuses	ď	র্থ	
Trouble signals	র্থ	ed .	
Disconnect switches	র্ত্ত		Dld not test
Ground-fault monitoring	e	র্ত্ত	
Supervision	র্ত্ত	র্থ	
Local annunciator	ď	র্থ	
Remote annunciators	র্থ	র্থ	
Power extender panels	র্ত্ত	র্থ	
Isolation modules	ď	র্ত্ত	
Other (specify)		•	

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7. TESTING RESULTS (continued)

7.11 Auxiliary Functions

Description	Visual Inspection	Functional Test	Comments
Door-releasing devices	র্	র্	
Fan shutdown	র্থ	ed .	
Smoke management/ Smoke control		ū	N/A
Smoke damper operation	র্থ	র্ল	
Smoke shutter release		٠	N/A
Door unlocking	র্থ	ed .	
Elevator recall	র্থ	ď	
Elevator shunt trip	র্থ	ď	
MNS override of FA signals	র্	র্থ	
Other (specify)		۵	

7.12 Alarm Initiating Device

d Device test results sheet attached listing all devices tested and the results of the testing

7.13 Supervisory Alarm Initiating Device

2 Device test results sheet attached listing all devices tested and the results of the testing

7.14 Alarm Notification Appliances

₫ Appliance test results sheet attached listing all appliances tested and the results of the testing

7.15 Supervisory Station Monitoring

Description	Yes	No	Time	Comments
Alarm signal	Ø	٥	4:30 PM	
Alarm restoration	ð	٥	4:40 PM	
Trouble signal	র্		4:30 PM	
Trouble restoration	র্থ	۵	4:40 PM	
Supervisory signal	র্থ	٥	4:30 PM	
Supervisory restoration	র্থ	۵	4:40 PM	

RESULTS:

4. Do the Math:

10% of Docs x 10% of Doc Items

₌ 1%

Inspection Realities



A "Clean" Inspection Does NOT Mean Compliance

This Time: No Inspection Deficiencies ©



- Maybe You Are Perfect
- Maybe Surveyor is Not Perfect

Remember:

- Only 1% of Things are Checked
- Different Surveyors Key on Different Things

This Time: No Inspection Deficiencies!



- Maybe You Are Perfect
- Maybe Surveyor is Not Perfect

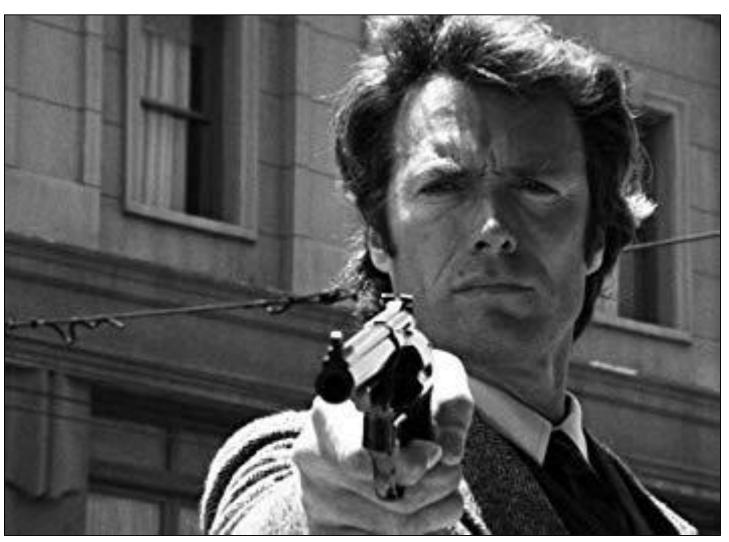
Remen.

- Only 1% of The are Checked
- Different Survey s Key on Different Things

 Next Time: Inspection Deficiencies?

It all boils down to..

Do You Feel Lucky?



Inspection Realities



<u>Vendors</u> Don't Always do it Right

4. Vendors Don't Always do it Right

- Most of their Clients are NOT Health Care
- Most of their Clients are NOT Surveyed, so NO ONE is reviewing their work
- Most do not Know What Edition of the Code you Need to Follow

4. Vendors Don't Always do it Right

- Most Vendor's Forms do NOT Follow Detailed Code Requirements
- Vendors Know the Technicalities of the System, but not all the Details of Code Inspections
- Many Surveyors Blindly Accept Vendor Forms

4. Vendors Don't Always do it Right

- The Bigger the Vendor the More Resistance to Change
- The Customer is Always Right

You Pay the Vendor to Protect You;
 Hire Another if They Don't Produce

Inspection Realities



Beware of Advice

5. Beware of Advice

CMS is the BOSS on federal compliance



- 1. State surveyors can't speak for CMS (they only give personal opinions)
- 2. State surveyors don't get CMS interprations
- 2. CMS is usually poor/late at clarifications
 Refer to S&C Letters, Fed Register
- Must follow the MOST Restrictive Rules

5. Beware of Advice



TJC processes are sometimes:

- 1. Incomplete (Don't always apply the Code)
- 2. Sometimes Contrary to CMS or the Code

COMPLIANCE+OPERATIONS

Tracking and documenting physical environment compliance

How to prepare for accreditation surveys well ahead of time

November 7, 2018 | Joshua Brackett, PE

ASHE HFM Magazine

Nov-Dec 2018



Be especially cautious of Following

Joint Commission

Rules

Image by Shutterstock

A facility professional new to a hospital has just been told by the CEO that the facility has been in its "Joint Commission window" of 18 months from the previous survey for the past year.

Although familiar with The Joint Commission survey process, the facility manager has no

5. Beware of Advice

Example: Inspection

These date time frames can be found at the Commission's Comprehensive Accreditation Spit

- Every six years = 72 months from the last event, +/- 45 day
- Every five years = 60 months from the last event, +/- 45 da
- Every 36 months/three years = 36 months from the last even
- Annually/every 12 months/once per year/every year = one year
 +/- 30 days.
- Every six months/semiannually = six months from the last event, +//
- Quarterly = three months from last event, +/- 10 days.
- Monthly = 12 times per year, once per calendar month.
- Every week = once per calendar week.

These Accreditation Time Frames are not on any codes (Fire Alarm tolerances come the closes DO NOT Follow for ANY inspection. (Follow the code!)



TOOLS for REVIEW of

Inspection Documentation

- 1. REALITIES of Document Review
- 2. Creating an Inspection Checklist
- 3. The Report Tool Box
- 4. Evaluate The Big 5 Doc Forms



Evaluate your FORMS against what the codes require

How do I Extract the Details of Required Inspections & Tests?

4 STEPS:

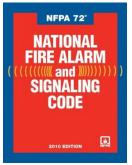
- 1. Determine WHAT CODE is applicable
- 2. Get a COPY of the code
 - Printed Easier to view, More time consuming
 - Electronic May be on-line; Not always handy
- 3. SEARCH for key "frequency" words
 - Printed May Miss some inspections
 - <u>Electronic</u> –Usually faster & more precise
- 4. Make Up a Inspection Doc Checklist

Step 1: Determine WHAT CODE is applicable

Must Have Access to Many Codes

Must Know Where Inspection Requirements

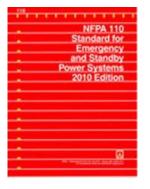
are Located

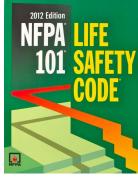










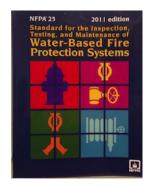


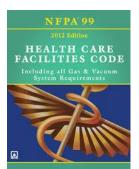
Also see CMS S&C Letters (web browse: CMS)

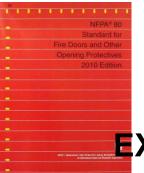
Let's use an example

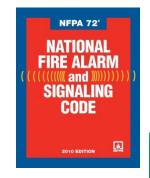
Checklist Creation

Step 1: Determine WHAT CODE is applicable



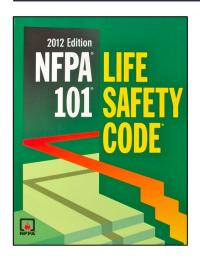




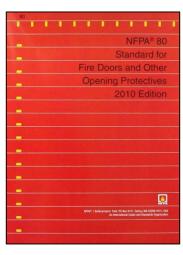




Step 2: Get a COPY of the code



- Most facilities have the 2012 LSC
- Recommend getting pdf version from NFPA (handbook is better)



- NFPA 80 (small std)
- Recommend getting pdf version from NFPA (handbook is better)

Look in Table of Contents or Index for "Inspection" & "Test"

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8.5	Smoke Barriers	101-	
8.6	Vertical Openings		
8.7	Special Hazard Protection	101-	

Door Inspections in LSC

Start at Chapter 7

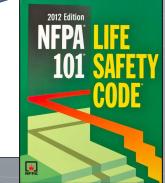
Research Fire Door Inspections

Continue in Chapter 8

Continue in Chapter 8

NFPA

101



Checklist Creation

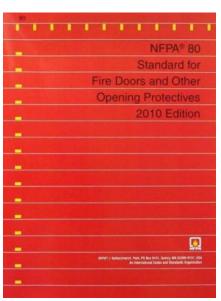
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19.1 19.2	General Requirements Means of Egress Requirements	101–201 101–20 101–20
19.1 19.2 19.3	General Requirements Means of Egress Requirements Protection	101–201 101–20 101–208 101–214
19.1 19.2 19.3 19.4	General Requirements Means of Egress Requirements Protection Special Provisions	101–201 101–20 101–208 101–214 101–214
19.1 19.2 19.3 19.4 19.5	General Requirements Means of Egress Requirements Protection Special Provisions Building Services	101-201 101-20 101-20 101-214 101-214 101-215

Research Fire Door Inspections

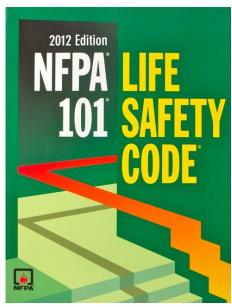
Finally in Chapter 18/19

Step 3: SEARCH for key words

Do a methodical search of each NFPA referenced code looking for keywords of :

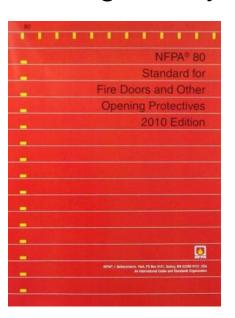


- Day or Daily
- Week
- Month
- Quarter
- Annual
- Year

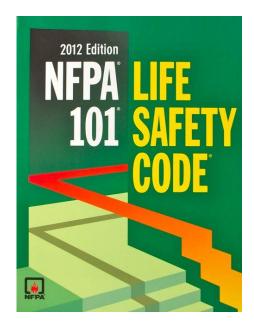


Step 3: SEARCH for key words

Do a methodical search of each NFPA referenced code looking for keywords of inspection FREQUENCY:



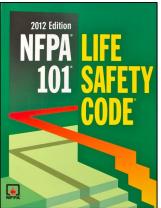
- Day or Daily
- Week
- Month
- Quarter
- Annual
- Year

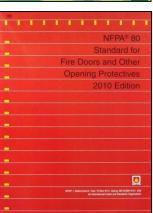


Can scan visually ... BUT It's easy to miss inspections

Step 3: SEARCH for key words

I prefer to use seachable pdf versions of the codes





Use 'Control F' ("Find")

Search for: "inspect" & "test"

Search for frequency: "day", "daily", "week", "month", "quarter", "semi", "annual", "year"

7.2.1.15 Inspection of Door Openings.

7.2.1.15.1* Where required by Chapters 11 through 43, the following door assembles shall be inspected and tested not less than annually in accordance with 7.2.1.15.2 through 7.2.1.15.8.

- Door leaves equipped with panic hardware or fire exit hardware in accordance with 7.2.1.7
- (2) Door assemblies in exit enclosures
- (3) Electrically controlled egress doors
- (4) Door assemblies with special locking arrangements subject to 7.2.1.6
- 7.2.1.15.2 Fire-rated door assemblies shall be inspected and tested in accordance with NFPA 80, Standard for Fire Doors and Other Opening Protectives. Smoke door assemblies shall be inspected and tested in accordance with NFPA 105, Standard for Smoke Door Assemblies and Other Opening Protectives.
- 7.2.1.15.3 The inspection and testing interval for fire-rated and nonrated door assemblies shall be permitted to exceed 12 months under a written performance-based program in accordance with 5.2.2 of NFPA 80, Standard for Fire Doors and Other Opening Protectives.
- **7.2.1.15.4** A written record of the inspections and testing shall be signed and kept for inspection by the authority having jurisdiction.
- **7.2.1.15.5** Functional testing of door assemblies shall be performed by individuals who can demonstrate knowledge and understanding of the operating components of the type of door being subjected to testing.
- 7.2.1.15.6 Door assemblies shall be visually inspected from both sides of the opening to assess the overall condition of the assembly.

Checklist Creation

Chapter 7 Results

"Where Required"

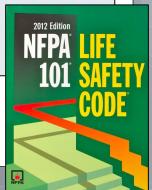
Applies Only in:

- Chapters 12/13-Assembly
- Chapters 15/15-Education
- Chapters 16/17-Day Care
- Chapters 32/33-Res B&C

CMS S&C Letter 17-38

 Confirms Applies ONLY in these Occupancies

IF 2-hr separated from Healthcare



Checklist Creation

8.2.2 General.

8.2.2.1 Where required by other chapters of this *Code*, every building shall be divided into compartments to limit the spread of fire and restrict the movement of smoke.

8.2.2.2 Fire compartments shall be formed with fire barriers that comply with Section 8.3.

8.2.2.3 Fire compartments shall be formed by fire bar complying with 8.3.1.2.

8.2.2.4 Where door assemblies are required elsewhere in the Code to be smoke leakage–rated in accordance with 8.2.2.4, door assemblies shall comply with all of the following:

(1) They shall be tested in accordance with ANSI/UL 1784, Standard for Air Leakage Tests for Door Assemblies.

(2) The maximum air leakage rate of the door assembly shall be 3.0 ft³/min/ft² (0.9 m³/min/m²) of door opening at 0.10 in. water column (25 N/m²) for both the ambient and elevated temperature tests.

(3) Door assemblies shall be installed in accordance with NFPA 105, Standard for Smoke Door Assemblies and Other Opening Protectives.

(4) Door assemblies shall be inspected in accordance with 7.2.1.15.

Chapter 8 Results

"Smoke Leakage"
"Where Required"

Applies Only if Smoke Leakage-Rating is required:

Smoke Leakage Rating is Required Only in:

Areas of Refuge in Accessible MofE

Accessible Occupant Evac Shafts

Not Smoke Barrier & Corridor Doors

A.8.4.3.4 Gasketing of doors should not be necessary, as the clearances in NFPA 80, Standard for Fire Doors and Other Opening Protectives, effectively achieve resistance to the passage of smoke if the door is relatively tight-fitting.

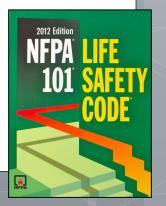
Checklist Creation

Chapter 18/19 Results

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	Door	Inst	ectii	JIIO
10	DOOL	11121		
N(C)				

NO added Door Inspections in Healthcare

Chapter 1	8 New Health Care Occupancies	101– 183
18.1	General Requirements	101– 183
18.2	Means of Egress Requirements	101– 186
18.3	Protection	101– 191
18.4	Special Provisions	101– 196
18.5	Building Services	
18.6	Reserved	101-19
18.7	Operating Features	101-199
Chapter 1	9 Existing Health Care Occupancies	101– 201
Chapter 1	9 Existing Health Care Occupancies General Requirements	
•		101– 201
19.1	General Requirements	101–201 101–204
19.1 19.2	General Requirements	101–201 101–204
19.1 19.2 19.3	General Requirements Means of Egress Requirements Protection	101–201 101–204 101–208 101–214
19.1 19.2 19.3 19.4	General Requirements Means of Egress Requirements Protection Special Provisions	101–201 101–204 101–208 101–214 101–214
19.1 19.2 19.3 19.4 19.5	General Requirements Means of Egress Requirements Protection Special Provisions Building Services	101-201 101-204 101-208 101-214 101-214 101-215



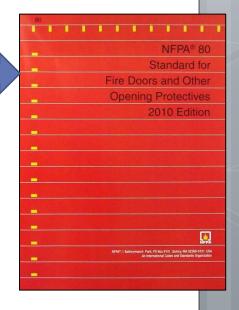
Checklist Creation

CMS S&C Letter 17-38 CMS Expectations on Door Inspections

In health care occupancies, annual inspection and testing in accordance with the 2010 NFPA 80 is required for all fire door assemblies. Non-rated doors, including corridor doors to patient care rooms and smoke barrier doors, are not subject to the annual inspection and testing requirements of either NFPA 80 or NFPA 105. But, non-rated doors should be routinely inspected as part of the facility maintenance program as all required life safety features and systems must be maintained in proper working order. LSC deficiencies associated with the annual inspection and testing of fire doors should be cited under K211 – *Means of Egress - General*.

KEY POINTS:

- Annual Fire Door inspection per NFPA 80-2010
- Non-Rated Doors do NOT need to be annually inspected; but must be maintained
- Cite under K211 (later revised to K761)



80-14

80-14

80-17

80-19

 Chapter 1 Administration
 80-5

 1.1 Scope
 80-5

 1.2 Purpose
 80-5

References for Extracts in Mandatory

Classification of Hardware for Fire

Chapter 5 Care and Maintenance

Inspections ..

Chapter 6 Swinging Doors with Builders

Application, Installation, and

Chapter 7 Swinging Doors with Fire Door

Hardware

Doors
Supporting Construction
Openings

Assembly Components

Adjustment

Hardware	80-19	
7.1	Doors	80-19
7.2	Supporting Construction	80-19
7.3	Openings	80-20
7.4	Assembly Components	80-20
Chapter 8	Horizontally Sliding Doors	80-20
8.1	Doors	80-20
8.2	Supporting Construction	80-21

Openings. (Reserved) 80–21
Assembly Components 80–21

 Supporting Construction
 80–13

 Testing
 80–14

 1.3
 Retroactivity
 80-5

 1.4
 Equivalency
 80-5

 Chapter 2
 Referenced Publications
 80-5

 General
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 NFPA Publications
 80-5

 Other Publications
 80-6

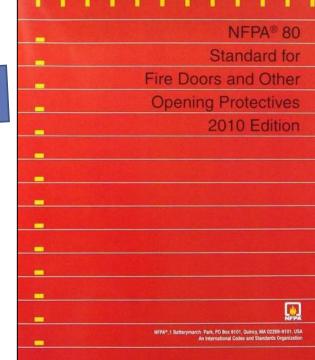
Checklist Creation

Research Fire Door Inspections

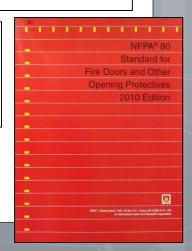
Chapter	9 Special-Purpose Horizontally Sliding	
	Accordion or Folding Doors	
9.1	Doors	80-22
9.2	Supporting Construction	80-22
9.3	Clearances Around Openings	80-22
9.4	Assembly Components	80-22
Chapter	10 Vertically Sliding Fire Doors	
10.1	Doors	80-22
10.2	Supporting Construction	80-22
10.3	Clearances	80-23
10.4	Assembly Components	80-23
Chapter	11 Rolling Steel Doors	80-24
11.1	Doors	80-24
11.2	Supporting Construction	80-24
11.3	Openings	80-24
11.4	Assembly Components	
11.5	Weather Protection	80-25
Chapter	12 Fire Shutters	80-25
12.1	Types	80-25
12.2	Requirements	80-25
12.3	Weather Protection	80-25
Chapter	13 Service Counter Fire Doors	80-25
13.1	Doors	80-25
13.7	Supporting Construction	80-25
1/	Counters	80-25
	Amountain	

Look in Section 5.2

		80-26
	Hoistway Door Vision Panels	80-27
14.	Door Operation	80-27
Chapter	15 Chute Doors	80-27
15.1	Doors	80-27
Chapter	16 Access Doors	80-27
16.1	Doors	80-27
16.2	Types of Doors	80-27
Chapter	17 Fire Windows	80-28
17.1	Windows	80-28
17.2	Glazing Material	80-28
17.3	Types of Windows	80-28
17.4	Installation	80-29
17.5	Closing Devices	80-29
Chapter	18 Glass Block Assemblies	80-29
18.1	General	80-29
18.2	Installation	80-29



- 5.2* Inspections.
- ▲ 5.2.1* Fire door assemblies shall be inspected and tested not less than annually, and a written record of the inspection shall be signed and kept for inspection by the AHJ.
- ▲ 5.2.3 Functional Testing.
 - 5.2.3.1 Functional testing of fire door and window assemblies shall be performed by individuals with knowledge and understanding of the operating components of the type of door being subject to testing.
 - 5.2.3.2 Before testing, a visual inspection shall be performed to identify any damaged or missing parts that can create a hazard during testing or affect operation or resetting.



Checklist Creation

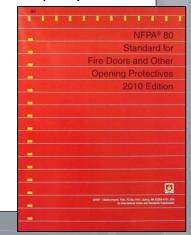
5.2.4 Swinging Doors with Builders Hardware or Fire Door Hardware.

5.2.4.1 Fire door assemblies shall be visually inspected from both sides to assess the overall condition of door assembly.

- ▲ 5.2.4.2 As a minimum, the following items shall be verified:
- ▲ (1) No open holes or breaks exist in surfaces of either the door or frame.
- (2) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.
- ▲ (3) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.
- ▲ (4) No parts are missing or broken.
- ▲ (5) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.
 - (6) The self-closing device is operational; that is, the active door completely closes when operated from the full open position.
 - (7) If a coordinator is installed, the inactive leaf closes before the active leaf.
 - (8) Latching hardware operates and secures the door when it is in the closed position.
- ▲ (9) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.
 - (10) No field modifications to the door assembly have been performed that void the label.
- ▲ (11) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.

KEY CHECKPOINTS

- 1. Is the door in working order & good condition (1)-(4); (6)-(9); (11)
- 2. Clearances per code (5)
- 3. No field modifications (10)



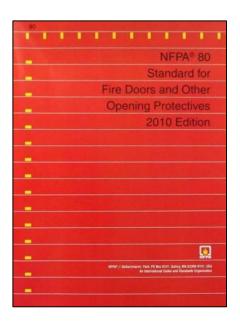
Step 4: Make Up a Document CHECKLIST

I prefer to cut & place discoveries in a spreadsheet

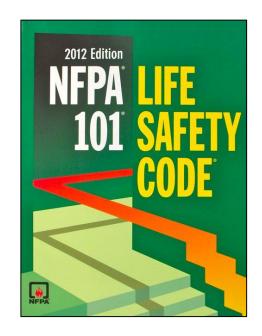
RequirementCode Reference

1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
(2). Fire doors inspected & tested at least annually;	§5.2.1
(A) with written & signed record of inspection	
(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1
(3) Test Automatic Closing doors to verify the assembly will close under fire conditions.	§5.2.6
(4) Visual inspection (A) performed (prior to testing) from both sides to assess overall condition of door assembly	§5.2.3.1 5.2.4.1
(B) No holes or breaks exist in surfaces of either door or frame	§5.2.4.2(1)
(C) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.	§5.2.4.2(3)
(D) No parts are missing or broken.	§5.2.4.2(4)
(E) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.	§5.2.4.2(5)
(F) The self-closing device is operational (active door completely closes when from the full open position)	§5.2.4.2(6)
(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8)
(H) No field modifications to the door assembly have been performed that void the label.	§5.2.4.2(10)
(I) Hardware shall be examined, and inoperative hardware, parts, or other defects shall be replaced without delay.	§5.2.9

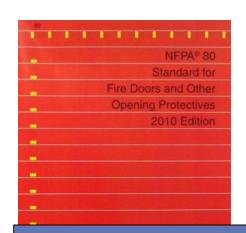
You'll Quickly Learn there are



2 Inspection Situations



You'll Quickly Learn there are



2 Inspection Situations

NFPA LIFE 101 SAFETY CODE

1. "Basic"
Inspections

2. "IF"
Inspections

Research the Applicable Codes

1. "Basic" Inspections

Do these Inspections for ALL items

Research the Applicable Codes

2. "IF" Inspections

Inspections you do ONLY "IF" you have a certain component

You'll see these later when we review specific checklists

The process of creating checklists can be very complicated & time consuming

LLSC has gone through these steps for almost all the NFPA codes

(available to Code Central Members as the "Document Tool Box")

Let's look at the LLSC Door Inspection Checklist

TWO PARTS OF THE CHECKLIST

Fire Door Checklist

LLSC INSPECTION REPORT EVALUATION TOOL

5 Most Cited Inspections

Page 1 of 9

	NOT ON O	RM 1. FIRE DOOR,SWINGING ANNUAL	NFPA CODE NFPA 80-2010	TJC STD	
port tle:			Date of Report:	Average	
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defi		(D) Specific	
		(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1	LS.02.01.20 EP 3	
		(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1	LS.02.01.20 EP 3	
		(3) Test Automatic Closing doors to verify the assembly will close under fire conditions.	§5.2.6	EC.02.03.05 EP 2	
		(4) Visual inspection (A) performed (prior to testing) from both sides to assess overall condition of door assembly	§5.2.3.1 5.2.4.1	LS.02.01.20 EP 3	
		(B) No holes or breaks exist in surfaces of either door or frame	§5.2.4.2(1)	LS.02.01.20 EP 3	
		(C) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.	§5.2.4.2(3)	LS.02.01.20 EP 3	
		(D) No parts are missing or broken.	§5.2.4.2(4)	LS.02.01.20 EP	
		(E) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.	§5.2.4.2(5)	LS.02.01.20 EP	
		(F) The self-closing device is operational (active door completely closes when from the full open position)	§5.2.4.2(6)	LS.02.01.20 EP 3	
		(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8) LS.02.01		
		(H) No field modifications to the door assembly have been performed that void the label.	§5.2.4.2(10)	LS.02.01.20 EP	
		(I) Hardware shall be examined, and inoperative hardware, parts, or other defects shall be replaced without delay.	§5.2.9	LS.02.01.20 EP	

These items are only inspected if present, but form should have space to indicate that item is not present, i.e. not applicable									
NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010	TJC STD				
			(4) Visual inspection (continued) (J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.	§5.2.4.2(11)	LS.02.01.20 EP 32				
			(K) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.	§5.2.4.2(2)	LS.02.01.20 EP 32				
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)	LS.02.01.20 EP 32				
			(M) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.	§5.2.4.2(9)	LS.02.01.20 EP 32				
			(5) Maintenance: Guides and bearings shall be kept well lubricated to facilitate operation	§5.2.12.1	EC.02.03.05 EP 20				
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ	§5.2.2.1					

We'll show you how to use this form later when reviewing the top 5 inspection documents

Part 1 - Basics

Inspect ALL rated doors for these items

4 BASIC CHECKPOINTS

Part 2 – "**IFs**"

Inspect these items
IF you have these
components

3 SUPPLIMENTAL CHECKPOINTS

© L



A HE ENGINEERINAL HEAVEN Inspection Documentation

- 1. REALITIES of Document Review
- 2. Document Review Concepts
- 3. The Report Tool Box
- 4. Evaluate The Big 5 Doc Forms

What is the Report Tool Box?

NOTHING MORE THAN

A COPY OF THE CODE

In a Checklist Format

It's a Tool to:

- 1. Show That You Know the Code
- 2. Document That You are Following the Code

Code Workshop Report Tool Box Suite

- 1. Report Tool Box
- 2. Document Tool Box

AVAILABLE TO CODE CENTRAL MEMBERS (FREE DOWN-LOAD)

Report Tool Box

1. Report Tool Box

ı	"REPORT TOOL BOX" LIFE SAFETY DOCUMENT	s	Logo		(Format \$1 - Dato Fill	·ln)		Developed by Lanco Life Safety Concolling Lanco-LSC.Con For Support, Contact: 222-254-2874; Llancott-core Quail.con		
Panilily:	ABC Health Care, Nawhere, WI		v14.1 12/2	2/2016			•	•		
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A	19A-FIRE DOOR,SLIDING-ROLLING-ANNUAL	X	HPPA 88-2818, 55	EC.82.89.8 5, EP 28						
А	199 · FIRE DOOR, SWINGING ANNUAL	X	HPPA 88-2848, SS	LS.82.81.28 . EP 92						
А	1BC · DOORS, ASSEMBLY · AHHUAL	X	LSC-2842, 57	LS.82.84.28 , EP 92						
SA	1C-LOCAL PIRE DEPT INSPECTION (LTC)	X	DHS 192.82[9]]+ [LS.81.81.81 . EP 84						
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A .	1HA - ELEVATOR USE CERTIFICATE	X	SPS 918	LS.81.81.81						
Massive Spread Sheet to Record Your Inspections										
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-luage	11F - CEILING COMPLIANCE	X	Requirements	Require					+	
aluage	11G - DECORATION COMPLIANCE	X	Requirements	Require					+	
-10-191	1IH - SEPARATIOHWALL & DOOR COMPLY	X	Requirements	Require					+-	
-lu-qe	111-FIRE STOP PROGRAM COMPLIANCE	X	Requirements	Require			-		+	
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Report Tool Box

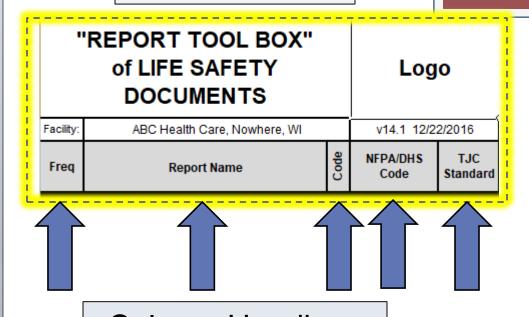
Inspection Report Names

Check-List (Write-In Option)





	"REPORT TOOL BOX" LIFE SAFETY DOCUMENT	S	Log	0	(Format \$1-Dato Fill	-ln)		Developed by Lancon Life Lancon-LSC. Com Per Support, Contact: 252-554-5874; blacon/Ve			
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A	19C - DOORS, ASSEMBLY - AHHUAL	X	LSC-2842, 57	LS.82.81. , EP 52							
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	Vester III - EXIT DISCHARGE COMPLIANCE IIC - HAZ ROOM COMPLIANCE IID - CORRIDORWALL & DOOR COMPLIANCE IIE - SHOKE PARRIERWALL & DOOR COMPLY IIF - CEILING COMPLIANCE	X X X X	Taar Requierments Taar Requierments Taar Requierments Taar Requierments Taar	Tuer Require Require Require Tuer Require Tuer Require Require	Gu						
n-40 n-40	Vester 11D - EXIT DISCHARGE COMPLIANCE 11C - HAZ ROOM COMPLIANCE 11D - CORRIDORWALL & DOOR COMPLIANCE 11E - SHOKE PARRIERWALL & DOOR COMPLY 11F - CEILING COMPLIANCE 11G - DECORATION COMPLIANCE	X X X X X	Tane Requierments Tane Requierments Tane Requierments Tane Requierments Tane Requierments Tane Requierments	Tane Require Tane Require Tane Require Tane Require Tane Require Tane Require	GO						
	Vester III - EXIT DISCHARGE COMPLIANCE IIC - HAZ ROOM COMPLIANCE IID - CORRIDOR WALL & DOOR COMPLIANCE IIE - SHOKE PARRIER WALL & DOOR COMPLY IIF - CEILING COMPLIANCE	X X X X X	Taar Requierments Taar Requierments Taar Requierments Taar Requierments Tear	Tang Require Tang Require Tang Require Tang Require Tang					7		



- Column Headings
- 1. Frequency of Inspection: W, M, Q, SA, A, 2yr, etc
- 2. Report Name (over 120)
- 3. NFPA Code Hyperlink: read the code requirements
- 4. NFPA Code Reference
- 5. TJC Standard Reference

Report Tool Box

"REPORT TOOL BOX" of LIFE SAFETY DOCUMENTS

Logo

Facility:	ABC Health Care, Nowhere, WI	v14.1 12/22/2016			
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard	

Freq	1 - GENERAL & BUILDING	Code	NFPA/DHS Code	TJC Standard
А	1BA-FIRE DOOR,SLIDING-ROLLING-ANNUAL	<u>X</u>	NFPA 80-2010, §5	EC.02.03.0 5,EP 20
А	>20 Repor	— 'tc	0,	LS.02.01.20 , EP 32
А	1BC. >ZU IXEPUI	lo	7	LS.02.01.20 , EP 32
SA	1C - LOCAL FIRE DEPT INSPECTION (LTC)	<u>X</u>	DHS 132.82(3)(c)	LS.01.01.01, EP 04
always	1D - FLAME SPREAD DOCUMENTS	<u>X</u>	LSC-2012, §18/19	LS.02.01.30 ,EP 04
М	1E - ELEV RECALL-MONTHLY	X	LSC-2012, §9	LS.02.01.50 ,EP 12
D	1F - CONSTRUCTION MEANS OF EGRESS	<u>X</u>	LSC-2012, §18/19	LS.01.01.01, EP 01
always	1G - LIFE SAFETY PLAN	<u>X</u>	DHS Expectation	LS.01.01.01, EP 01
Α	1HA - ELEVATOR USE CERTIFICATE	<u>X</u>	SPS 318	LS.01.01.01, EP 04
3Yr	1HB - PRESSURE VESSEL CERTIFICATES	<u>X</u>	SPS 341.17	LS.01.01.01, EP 04
SA	1HC - FIRE DEPT INSPECTIONS	<u>X</u>	DHS 132.82(3)(c)	LS.01.01.01, EP 04
always	1IA - INSPECTOR QUALIFICATIONS (In-house & Vender)	Х	misc	misc

Groupings of Reports

1. General & Building

Report Tool Box

"REPORT TOOL BOX" of LIFE SAFETY DOCUMENTS

Logo

Facility:	ABC Health Care, Nowhere, WI		v14.1 12/22/2016	
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard

Freq	2 - SUPPRESSION SYS	Code	NFPA/DHS Code	TJC Standard
М	2AD - SPRINKLER-MONTHLY	<u>X</u>	NFPA 25-2011, \$5 & \$13	LS 02.01.35, EP 14
Q	>50 Repoi	rts	3 [EC.02.03.0 5 EP 10 EC.02.03.0
SA	2AF-SPRINKLER-SEMFANNUAL	Δ	\$5 & \$13	5 EP 02
А	2AG - SPRINKLER- ANNUAL	<u>X</u>	NFPA 25-2011, §5 & §13	EC.02.03.0 5 EP 09
3 Yr	2AH - SPRINKLER MAINT - 3 YR	<u>X</u>	NFPA 25-2011, §13	02.01.35, FBJ4
5 Yr	2AI - SPRINKLER MAINT - 5 YR	X	NFPA 25-2011, §13	02.01.35, FP.14
varies	2AJ - SPRINKLER MAINT - >10, 20, 50 YR	<u>X</u>	NFPA 25-2011, \$5	02.01.35, FP.14
w	2AK - STANDPIPE - WEEKLY	<u>X</u>	NFPA 25-2011, §13	02.01.35, FBJ4
Q	2AL - STANDPIPE - QUARTERLY	<u>X</u>	NFPA 25-2011, §13	02.01.35, FP.14
Α	2AM - STANDPIPE - ANNUAL	<u>X</u>	NFPA 25-2011, \$6 & \$13	02.01.35, FBJ4
3 Yr	2AN - STANDPIPE MAINT - 3 YR	<u>X</u>	NFPA 25-2011, §13	02.01.35, FP.14
5 Yr	2AO - STANDPIPE MAINT - 5 YR	<u>X</u>	NFPA 25-2011, \$6 & \$13	02.01.35, FP.14

Groupings of Reports

- 1. General & Building
- 2. Suppression

#1 CMS Cite

#1 Joint Commission Cite

Report Tool Box

"REPORT TOOL BOX" of LIFE SAFETY DOCUMENTS

Logo

Facility:	ABC Health Care, Nowhere, WI		v14.1 12/2	2/2016
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard

Freq	3- FIRE ALARM SYS	Code	NFPA/DHS Code	TJC Standard
D	3B - ALARM TRANSMISSION-DAILY	<u>X</u>	NFPA 72- 2010,§14	02.01.34, FP.94
W	12 Report	ts	_	02.01.34, FD 04
М	3DA -		2010,§14	02.01.34, EP 04
Q	3DB - FIRE ALARM - QUARTERLY	<u>X</u>	NFPA 72- 2010,§14	EC.02.03.0 5, EP 01
SA	3DC - FIRE ALARM-SEMI ANNUAL	<u>X</u>	NFPA 72- 2010,§14	5EP 01LS
Α	3DE - FIRE ALARM - ANNUAL	<u>X</u>	NFPA 72- 2010,§14	-020131.0 5EP 03 LS -02 01 34
2 Yr	3DF - DETECTOR SENSITIVITY- 2-Yr	<u>X</u>	NFPA 72- 2010,§14	02.01.34, FP.94
10 Yr	3E - CARBON MONOXIDE- 10 Yr	<u>X</u>	NFPA720- 2012,§8	02.01.34, FP.94
w	3FA - SMOKE ALARM, BATTERY-WKLY	<u>X</u>	NFPA 72- 2010,§14	02.01.34, FP.94
SA	3FB - SMOKE ALARM, BATTERY-SEMI-A	<u>X</u>	NFPA 72- 2010,§14	02.01.34, FP.94
10 Yr	3FC - SMOKE ALARM, BATTERY - 10 Yr	<u>X</u>	NFPA 72- 2010,§14	02.01.34, FB.04

Groupings of Reports

- 1. General & Building
- 2. Suppression
- 3. Fire Alarm

#4 CMS Cite

#1 Joint Commission Cite

Report Tool Box

'	"REPORT TOOL BOX" of LIFE SAFETY DOCUMENTS		Log	Jo
Facility:	ABC Health Care, Nowhere, WI		v14.1 12/2	22/2016
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard
Freq	4- ELECTRICAL SYS	Code	NFPA/DHS Code	TJC Standard
w	4AA - GENERATOR - WEEKLY	<u>X</u>	NFPA 110-2010 §8	LS.02.01.70 ,EP 04
М	>25 Repor	ts	0	EC.02.05.0 7,EP 04 EC.02.05.0
A	4AC - GENERATOR LOAD DANK - ANNUAL	Δ	0 \$8	EC.02.05.0 7,EP 05
3 Yr	4AD - GENERATOR LOAD BANK-3 YR	<u>X</u>	NFPA 110-2010 \$8	7,EP 07 EC:02:05:0
fac pol	4AE - GENERATOR SERVICE REPORTS	<u>X</u>	NFPA 110-2010 \$8	7, EP 09
А	4AF - GENERATOR FUEL-ANNUAL	<u>X</u>	NFPA 110-2010 §8	LS.02.01.70 ,EP 04
А	4AG - NATURAL GAS RELIABILITY Letter	<u>X</u>	CMS Letter- 5/9/09	LS.02.01.70 , EP 04
Maint	4B - TRANSFER SWITCH	<u>X</u>	NFPA 110-2010 §8	LS.02.01.70 ,EP 04
SA	4CA - EMERGENCY BREAKER - SEMI-A	<u>X</u>	NFPA 110-2010 \$8	LS.02.01.70 ,EP 04
А	4CB - EMERGENCY BREAKER - ANNUAL	<u>X</u>	NFPA 110-2010 \$8	LS.02.01.70 ,EP 04
2 Yr	4CC - EMERGENCY BREAKER - 2 Yr	<u>X</u>	NFPA 110-2010 §8	LS.02.01.70 ,EP 04
fac pol	4D - PARALLELING GEAR	Х	NFPA 110-2010	LS.02.01.70

Groupings of Reports

- 1. General & Building
- 2. Suppression
- 3. Fire Alarm
- 4. Electrical

#8 CMS SNF Cite

Report Tool Box

"REPORT TOOL BOX" of LIFE SAFETY Logo DOCUMENTS v14.1 12/22/2016 ABC Health Care, Nowhere, WI Facility Code NFPA/DHS TJC Report Name Freq Code Standard Code NFPA/DHS TJC 5 - MECHANICAL SYS Code Standard LS.02.01.50 NFPA 80-2010, 5AA- FIRE & SMOKE DAMPERS-Install .EP 12 EC.02.03.0 4 or 6 Yr 5AB 5,EP 18 6 Reports LS.02.01.50 5BA SA ,EP 12 NFPA 92-2012. LS.02.01.50 5BB -SMOKE CONTROL, NON-DEDICATED-A EP 12 LS.02.01.50 NFPA 45-2011, 5CA- LAB HOOD -QUARTERLY .EP 12 NFPA 45-2011, LS.02.01.50 5CB- LAB HOOD -ANNUAL ,EP 12 LS.01.01.01 5D - EYEWASH & SHOWERS OSHA 1910,151(c) fac pol EP 04 NFPA 99-2012, LS.02.01.50 5EA - MEDICAL GASES - Level 3 -DAILY §5 EP 12 NFPA 99-2012, LS.02.01.50 5EA - MEDICAL GASES - POLICY fac pol ,EP 12

5EB - MEDICAL GASES - INSTALL

fac pol 5EC - MEDICAL GASES - PER FAC POLICY

5FD-BULK CYROGENIC SYS - ANNUAL

install

NFPA 99-2012,

\$5 NFPA 99-2012,

NFPA 99-2012,

LS.02.01.50

LS.02.01.50

,EP 12

LS.02.01.50

,EP 12

Groupings of Reports

- 1. General & Building
- 2. Suppression
- 3. Fire Alarm
- 4. Electrical
- 5. Mechanical

Report Tool Box

•	'REPORT TOOL BOX" of LIFE SAFETY DOCUMENTS		Log	JO ,
Facility:	ABC Health Care, Nowhere, WI		v14.1 12/2	2/2016
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard
Freq	6 - FIRE RESPONSE	Code	NFPA/DHS Code	TJC Standard
always	6A - RESIDENT DISASTER PLAN	<u>X</u>	DHS 132.82(3)(a)1	LS.01.01.01, EP 04
always f Changed	7 Reports	S	r19)	EC.02.03.01 ,EP 10 LS.01.01.01, EP 04
Q	6CA - FIRE DRILLS	<u>X</u>	LSC-2012, §4 & §18/19	EC.02.03.0 3, EP 01thru
А	6CB - SURGICAL FIRE DRILL - ANNUAL	<u>X</u>	NFPA 99-2012, §15	LS.01.01.01, EP 04
А	6CC - HYPERBARIC FIRE DRILL - ANNUAL	<u>X</u>	NFPA 99-2012, §14	LS.01.01.01, EP 04
always	6D - REPORT OF FIRES	<u>X</u>	DHS 124.36(11) DHS 132.82(e)	LS.01.01.01, EP 04

Groupings of Reports

- 1. General & Building
- 2. Suppression
- 3. Fire Alarm
- 4. Electrical
- 5. Mechanical
- 6. Fire Response

Report Tool Box

	"REPORT TOOL BOX" of LIFE SAFETY DOCUMENTS		Log	jo	
Facility:	ABC Health Care, Nowhere, WI		v14.1 12/2	22/2016	
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard	
Freq	7 - POLICIES	Code	NFPA/DHS Code	TJC Standard	
always	7AA - SPRINKLER OUTAGE POLICY	<u>X</u>	LSC-2012, §9	LS.02.01.35 ,EP 14	
always	740		LSC-2012, \$9		
			LSC-2012, \$9	,EP 14 LS.02.01.35	
always	^{7AB} - 6 Report		LSC-2012, \$9	,EP 14 LS.02.01.35 ,EP 14 LS.02.01.35	
always	^{7AB} - 7AC- 6 Reports	S		,EP14 LS.02.01.35 ,EP14 LS.02.01.35 ,EP14 LS.02.01.70	

Groupings of Reports

- 1. General & Building
- 2. Suppression
- 3. Fire Alarm
- 4. Electrical
- 5. Mechanical
- 6. Fire Response
- 7. Policies

Left Hand Side

Report Tool Box

	"REPORT TOOL BOX" of LIFE SAFETY DOCUMENTS		Log	0
Facility:	ABC Health Care, Nowhere, WI		v14.1 12/2	2/2016
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard
Freq	8 - JOINT COMMISSION	Code	NFPA/DHS Code	TJC Standard
always	8A-INTERIM LIFE SAFETY MEASURES	<u>X</u>	none	LS.01.02.01 ,EP 03
always	8B-CC	_		EC.02.06.0 5 EP 01
always	8C-FIF 10 Report	S		EC.01.01.01 EP 3
always	8DA-LIFE SAFETY MANAGEMENT PLAN	<u>X</u>	none	EC.01.01.01 EP 06
always	8DB - STATEMENT OF CONDITIONS	<u>X</u>	none	LS.01.01.01 EP 02
always	8DC - PLANS FOR IMPROVEMENT	<u>X</u>	none	LS.01.01.01 EP 03
always	8C-UTILITY MANAGEMENT PLAN	<u>X</u>	none	EC.02.05.01
always	8D-HAZARDOUS MATERIAL MGMT PLAN	<u>X</u>	none	EC.02.02.01
always	8E-INFORMATION COLLECTION	<u>X</u>	none	EC.04.01.01
always	8F-SAFETY & SECURITY MGMT PLAN	<u>X</u>	none	EC.02.01.01

Groupings of Reports

- 1. General & Building
- 2. Suppression
- 3. Fire Alarm
- 4. Electrical
- 5. Mechanical
- 6. Fire Response
- 7. Policies
- 8. Joint Commission

Left Hand Side

Report Tool Box

"REPORT TOOL BOX" Logo of LIFE SAFETY Logo DOCUMENTS V14.1 12/22/2016 Facility: ABC Health Care, Nowhere, WI V14.1 12/22/2016 Freq Report Name WFPA/DHS Code TJC Standard

CUSTOMIZABLE!

3. Fire Alarm

NFPA/DHS TJC 3- FIRE ALARM SYS Code NFPA 72-3B - ALARM TRANSMISSION-DAILY 2010.\$14 NFPA 72-3C - ALARM TRANSMISSION-WEEKLY 2010,\$14 NFPA 72-3DA - FIRE ALARM - MONTHLY 2010.\$14 EP 04 NFPA 72-EC.02.03.0 3DB - FIRE ALARM - QUARTERLY 2010,\$14 5.EP 01 NFPA 72-3DC - FIRE ALARM-SEMI ANNUAL 5EP 01LS 2010,\$14 NFPA 72-3DE - FIRE ALARM - ANNUAL 0.\$14 3DF - DETECTOR SENSITIVITY - 2-Yr 2 Yr 3E - CARBON MONOXIDE- 10 Yr PA 72-<u>X</u> 3FA - SMOKE ALARM, BATTERY-WKLY 0.\$14 NFPA 72-3FB - SMOKE ALARM, BATTERY-SEMI-A 2010.\$14 NFPA 72-10 Yr | 3FC - SMOKE ALARM, BATTERY - 10 Yr 02.01.34

2010,\$14

Don't Have all these systems?

Customize by deleting or hiding those rows!

(right Click-hide/delete)

Left Hand Side

Report Tool Box

	of LIFE SAFETY DOCUMENTS	Log	0
y:	ABC Health Care, Nowhere, WI	v14.1 12/22	2/20

CUSTOMIZABLE!

Facility:	ABC Health Care, Nowhere, WI		v14.1 12/2	2/2016
Freq	Report Name	Code	NFPA/DHS Code	TJC Standard

3. Fire Alarm

Freq	3- FIRE ALARM SYS	Code	NFPA/DHS Code	TJC Standard
w	3C - ALARM TRANSMISSION-WEEKLY	<u>X</u>	NFPA 72- 2010,§14	Y
М	3DA - FIRE ALARM - MONTHLY	<u>X</u>	NFPA 72- 2010,§14	re
Q	3DB - FIRE ALARM - QUARTERLY	<u>X</u>	NFPA 72- 2010,§14	T 5,EPULT
SA	3DC - FIRE ALARM-SEMI ANNUAL	<u>X</u>	NFPA 72- 2010,§14	5EP 01LS
Α	3DE - FIRE ALARM - ANNUAL	<u>X</u>	NFPA 72- 2010,§14	5EP 03LS
2 Yr	3DF - DETECTOR SENSITIVITY- 2-Yr	<u>X</u>	NFPA 72- 2010,§14	02.01.34,

Your list of required reports got smaller

Keep only the systems that are at your facility

Right Columns

Report Tool Box

Check-List (Write-In Option)



	"REPORT TOOL BOX"	s	Log	0					Developed by Lauren Life Lauren-LSC.Com For Support, Contant:		
			4444515		١,	(Format #1 - Date Fill-	·ln)		262-664-5874; 61	rrarr@qmail.	
Freq	ABC Hoalth Caro, Nauhero, WI Repart Hame Red - BIPA Cade Rea	C=4*	v14.1 12/22 HFPA/DH S Cuda	TJC Stand		Let Qte	2nd Qtr	3rd Qtr	4th Qtr	Duc File Luc	lypic el Inspe
					I,						_
Frag	1 - GENERAL & BUILDING	0.04	HFPA/DH S C-4	Stand	ı	1rt Qtr	Zad Qtr	3rd Qtr	4th Qtr	Duc File	Typic
A	18A-PIRE DOOR,SLIDING-ROLLING-ANNUAL	X	HPPA 88-2818, SS	EC.82.83. 5, EP 21	i						
A	199 - FIRE DOOR, SWIHGING ANNUAL	X	HPPA 88-2818, 55	LS.82.84.2 , EP 52	ı						
A	1PC - DOORS, ASSEMBLY - AHHUAL	X	LSC-2842, 57	LS.82.84.2 , EP 52	i						
SA	1C - LOCAL FIRE DEPT IHSPECTION (LTC)	X	DHS 192.82 9 •	LS.84.84.8 , EP 84	1						
aluage	1D - FLAME SPREAD DOCUMENTS	X	LSC-2812, \$18/15	LS.82.84.3 , EP 84	l	Lart Roviou/Updato:					
н	1E · ELEV RECALL·MONTHLY	×	LSC-2842, 55	LS.82.81.5 , EP 12	i	<u>Jan I Pek I Har.</u> I I	Apr <u>l Ham I Jam</u> I I	Jail Ham I See. I I	Osl <u> Hes Dre</u> 		
D	1F - CONSTRUCTION MEANS OF EGRESS	X	LSC-2012, S10/15	LS.84.84.8 , EP 84			Refer to Logar	Daily Inspections			
aluage	1G - LIFE SAFETY PLAN	X	DHS Esprelalism	LS.84.84.1 , EP 84	i	Lart Roviou/Updato:					
A	1NA - ELEVATOR USE CERTIFICATE	X	SPS 948	LS.84.84.8 ,EP 84	ı						
17,	1HB - PRESSURE VESSEL CERTIFICATES	X	SPS 941.17	LS.84.84.8 ,EP 84	i						
SA	1HC - PIRE DEPT IHSPECTIONS 1IA - IHSPECTOR QUALIFICATIONS bb	X	DHS 192.82 9 •	,EP 84	i						
aluage	Vester 110 - EXIT DISCHARGE COMPLIANCE	X	Teer	Teer	ı	Lart Roviou/Updato:				_	
aluage	11C - HAZ ROOM COMPLIANCE	X	Requirements	Require	i					_	
-lu-q-	1ID - CORRIDORWALL & DOOR COMPLIANCE	<u>×</u>	Requirements	Requier	ı						
aluage	11E - SMOKE BARRIERWALL & DOOR COMPLY	X	Requirements	Requier	l					+	
aluage	11F · CEILING COMPLIANCE	X	Requirements Tour	Require	i					+	
10144	11G-DECORATION COMPLIANCE	X	Requirements Tour	Requier Tour							
-lusqe		X	Requierments	Requier	1						
aluage	1IH - SEPARATIOHWALL & DOOR COMPLY	X	Tear Requirements	Require	ì						
aluage	111-PIRE STOP PROGRAM COMPLIANCE	X	Teer Requieements	Tour Requier	i	Lart Roviou/Updato:					

Right Columns

Report Tool Box

Freq	1 - GENERAL & BUILDING	Cod	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Doc File	Typical Inspect
A	1BA-FIRE DOOR,SLIDING-ROLLING-ANNUAL	<u>X</u>						
A	IBB - FIRE DOOR, SVINGING ANNUAL	<u>X</u>						
A	IBC - DOORS, ASSEMBLY - ANNUAL	<u>X</u>						
SA	IC - LOCAL FIRE DEPT INSPECTION (LTC)	<u>X</u>						
always	ID - FLAME SPREAD DOCUMENTS	X	Last Review/Undate					
М	1E - ELEV RECALL-MONTHLY	<u>X</u>	Jan Feb Mar ✓ ✓	Apr <u>I May I Jun</u>	<u>Jul Aug Sep</u> 	Oct <u>I Nov I Dec</u> 		
D	IF - CONSTRUCTION MEANS OF EGRESS	X		Refer to Log of L	Jaily Inspections			
always	IG - LIFE SAFETY PLAN	X	Last Review/l	Easy to sp	ot that an			
٨	1HA - ELEVATOR USE CERTIFICATE	X		spection w		,		
3 Yr	1HB - PRESSURE VESSEL CERTIFICATES	X	111	spection w	as 111155EU	!		
SA	1HC - FIRE DEPT INSPECTIONS	$\overline{}$	con I loo		mplo			
always	1IA - INSPECTOR QUALIFICATION: & Vender)		an Use	as a sil	npie			
always	11B - EXIT DISCHARGE COMPLIAN		check-d	off that t	he			
always	IIC - HAZ ROOM COMPLIANCE							
always	11D - CORRIDOR WALL & DOOR CO	sp	ection v	vas <u>con</u>	<u>npietea</u>			
always	11E - SMOKE BARRIER VALL & DOOR COMPL	<u>X</u>						
always	1IF - CEILING COMPLIANCE) s	surprises! `	You DON'T	want the			
always	HIG - DECORATION COMPILANCE		ctor to be t					
always	11H - SEPARATION WALL & DOOR					right LLSC Doo'	2010	77
always	111-FIRE STOP PROGRAM COMPLIANCE	<u>X</u>	Last Review/Update:		Сору	right, LLSC Dec 2	2010	

		Middle Co	olu	mns	R	eport To	ool Box		
	Freq	1 - GENERAL & BUILDING	Cod	1 - Q tr	2nd Qtr	3rd Qtr	4th Qtr	Doc File	Typical Inspect
	Α	1BA-FIRE DOOR,SLIDING-ROLLING-ANNUAL	X	又					
r	-A	เรอ สะเลยของสุดพาเฉเลต สเสเอสมา = = :	Δ						
	Α	IBC - DOORS, ASSEMBLY - ANNUAL	X	3 23 17					
-	SA	IC-LOCAL FIRE DEPT INSPECTION (LTC)	×						
	always	ID - FLAME SPREAD DOCUMENTS	D	ETTED	write in	tha da	to		
	М	1E - ELEV RECALL-MONTHLY		ETTER,					
	D	1F - CONSTRUCTION MEANS OF EGRESS	th	at a tas	k was <u>c</u>	<u>omplete</u>	<u>ed</u>		
	always	1G - LIFE SAFETY PLAN	<u>X</u>	Last Review/Update:					
	Α	1HA - ELEVATOR USE CERTIFICATE	X						
	ηY ε	1HB - PRESSURE VESSEL CERTIFICATES	<u>X</u>						
$^{-}$	SA	1HC - FIRE DEPT INSPECTIONS	<u>X</u>						
	always	1IA - INSPECTOR QUALIFICA & Vender)		No Ma	tter Wha	t.			
	always	11B - EXIT DISCHARGE COM							
	always			dless of tl			e		
	always	11D - CORRIDOR WALL & DO	he	goal is -	> NO sur	<u> prises!</u>			
	always	11E - SMOKE BARRIER VALE & BOOT COM	X						
Y	always	1IF - CEILING COMPLIANCE	<u>X</u>						
	always	1IG - DECORATION COMPLIANCE	X						
	always	11H - SEPARATION WALL & DOOR COMPLY	<u>X</u>			Copy	right, LLSC Dec	2018	78
Į	always	1II-FIRE STOP PROGRAM COMPLIANCE	<u>X</u>	Last Review/Update:		300	19.11, 2200 1900		

	Middle Co	olu	mns	R	eport To	ool Box		
Freq	1 - GENERAL & BUILDING	Cod	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Doc File	Typical Inspect
A	18A-FIRE DOOR,SLIDING-ROLLING-ANNUAL	X						
[TAT	TIBB TITLE DUOTI, SWINGING ANNOALT TO	Δ						
1 ^	1BC - DOORS, ASSEMBLY - ANNUAL	X	3 23 17				7ab 5	7470
SA	IC-LOCAL FIRE DEPT INSPECTION (LTC)	Δ						
always	D-FLAME SPREAD DOCUMENTS	<u>X</u>	Last Review/Update:					
М	1E - ELEV RECALL-MONTHLY	<u>X</u>	<u></u> Writ	te-in loc	ation w	here		
D	1F - CONSTRUCTION MEANS OF EGRESS	<u>X</u>	L vo	ou_filed	the ren	ort		
always	G - LIFE SAFETY PLAN	X	La y	Ja <u>mea</u>	tile rep			
۸	1HA - ELEVATOR USE CERTIFICATE	<u>X</u>						
3 Yr	1HB - PRESSURE VESSEL CERTIFICATES	<u>X</u>		Writ	e-in wh	o did th	е	
SA	1HC - FIRE DEPT INSPECTIONS	<u>X</u>				_		
always	1IA - INSPECTOR QUALIFICATIONS (In-house & Vender)	<u>X</u>	Last Review/Update:		inspec	tion		
always	1IB - EXIT DISCHARGE COMPLIANCE	<u>X</u>						
always	IIC - HAZ ROOM COMPLIANCE	<u>X</u>						
always	This halpay	, o		<u> </u>			1	
always			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	•		
always	Wildi adi	e c	I for it dur	ing the s	stress of a	a survey		
always	IIG - DEC ORATION COMPLIANCE	X						
always	11H - SEPARATION WALL & DOOR COMPLY	<u>X</u>			Conv	right, LLSC Dec	2019	79
always	, III-FIRE STOP PROGRAM COMPLIANCE	X	Last Review/Update:		СОРУ	ngni, LLOO Dec	1010	

2. Document Tool Box

Freq	1 - GENERA	L & BUILDING	Cod	Jan	Feb	Mar	Apr	May	Jun	
Α	18A-FIRE DOC	The stren	ath	of t	he R	epo	rt To	ol [
A	188 - FIRE DOI		•			•				
Α	1BC - DOORS,				•			.116		
SA	1C - LOCAL FIF	<u>Doc</u>	um	<u>ient</u>	1001	ROX				
always	1D - FLAME SF	READ DOCUMENTS	X							
M	1E - ELEV REC/	ALL-MONTHLY	X				4/04			
D	1F - CONSTRU	CTION MEANS OF EGRESS		5						
always	IG - LIFE SAFE	TYPLAN	<u>X</u>							
A	1HA - ELEVATO	OR USE CERTIFICATE							<u> </u>	
	You dor	n't need to re	mei	mber	any i	nspe	ection	deta	ails	\vdash
_		"It's in there!			•	_				_
always	11A - INSPECTO & Vender)	DR QUALIFICATIONS (In-house	<u>X</u>				Copyright	, LLSC [ec 2018	

List of Inspections

Document Tool Box

Code Requirement (summarized)

NFPA Ref TJC Ref

	1E - ELEV RECALL-MONTHLY	NFPA CODE	TJC STD
1		(CMS K160)	
	• Elev Inspection per ASME A17.1-2007; Elevators	LSC-2012,	LS.02.01.50-EP 12
	with fire fighters' service must be tested monthly,	§9.4.6.1	
	with a written record (9.4.6.2). NOTE: Wis DSPS 318		
i	permits quarterly inspections; however LSC		
i	9.4.6.3(2) says that only the AHJ can revise the		
i	frequency and CMS considers itself as the only		
i	authorized AHJ that can make such changes.		
i	◆ Recall Inspection Includes - ◊ Called car with key?	LSC-2012,	LS.02.01.50-EP 12
i		§9.4.6.2	
		ASTM A17.1	
l	◊ Door opens/close properly with switch?	ASTM A17.1	LS.02.01.50-EP 12
	◊ Test Phone Operation?	ASTM A17.1	LS.02.01.50-EP 12



A E ENGINERALINA HEALT AND A SIMILAR AND A S Inspection Documentation

- 1. REALITIES of Document Review
- 2. Document Review Concepts
- 3. The Report Tool Box
- 4. Evaluate The Big 5 Doc Forms

Inspection Doc Eval

The <u>TOP FOUR</u> INSPECTIONS

CITED BY TJC & CMS →

"UP & COMING"

BUILDING A-Fire Doors

S-Fire Dept Inspection
D-Flame Spread Doc
M-Elevator Recall

SUPPRESSION

M-Sprinkler

Q-Sprinkler

S-Sprinkler

A-Sprinkler

3-Sprinkler

5-Sprinkler

W-Standpipe

Q-Standpipe

A-Standpipe

3-Standpipe

5-Standpipe

ELECTRICAL

W-Generator

M-Generator

A-Generator

A-Load Bank

3-Load Bank

A-Diesel Fuel

A-Natural Gas

A-Transfer Switch

S-Emergency Breakers

A-Emergency Breakers

FIRE ALARM

M-Fire Alarm

Q-Fire Alarm

S-Fire Alarm

A-Fire Alarm

2-Smoke Detector

Inspection Doc Eval

Did you DOWNLOAD?



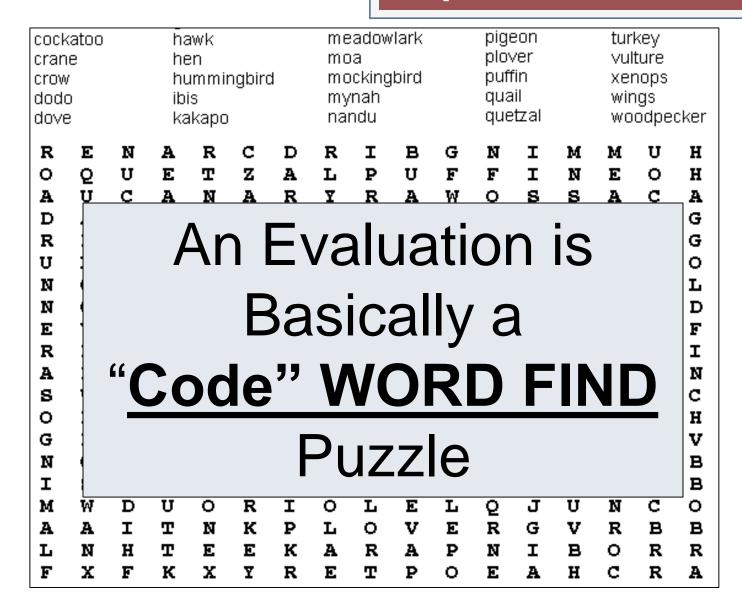


ALL CHECK POINTS ON THIS LIS	T MUST BE ON A VALID FO	RM		-		1			
		Date of Reports			Page 6 of 9				
NOT ON ON 4. FIRE ALARM	ANNUAL	NEPA CODE NEPA 72,2011	NC 810	PA CODE A (2-001)	TUC STD		100 100 100 100		
(1). Report contains (4) WHO (it inspector; CHECKPOINTS: (it) RESULTS of each check		LIST of day cas; ()		5 72 2019. J	8 02.91.94 E7 64	PA CODE	Page 7 of 9		
BIPPA 72 Fermency Definitions Luce Weser y = 57 per year, cross per celevid Hermity = 12 per year cross per celevid Germany = 4 per year cross per celevid Servicinaal = 2 per year, cross 4 words Annual = 1 per year international crossity.	n veek or morth rex 4 morthe , max 8 morths	33.606	.9 02.91.94 87 64	Table (1) tradit able (4.25) (501 able (B 02.01.84 E* 04	701 Table 411 2229	DC STD 0.50.51 == 61 0.00 S4 84	Table 14.4.5,17 or Verred Table 51.4.2.7(3) Table 11.3.5(1) to BUPA (78-2) 1	E 554 2550550
(2) Sentral Panels - Visual 1/0 Fuses, for as Proper installation		Secretaria (.9 02.01.94 87 64	hod Table 4.2780bit	4 (0' to 154 - 164	c 14.4 5(18; 1.8 not Table	02.01.34 EF 64	Ista 144 State	LC 82-03 (e
(D) Jamps, LEDe (C) Primary Poser Supplier, for physical con- taminals.	ditor, Voise Heat, Cortos on at	Table 14.3.1(fe)	.8 02.91.34 EF 64 .8 02.91.34 = 64	Tube 4 Sept 2: Fod: Table	G (0' (4' (56) 2 (86		Ø 50 S4 - 2 84	HFPA 720-23-1. Table 3.4.3	population
(3) Transient Supressure - (4) Visual - per n lighting strice	recommendations & after any	Table 16.5 (ref) Verhod Table 34.4 (220)	20131315581	< 276%	9 02.9 t.04 EP 64	c 14.4.5/12; .8 frod Table c 2.7/13;	02.01.34 EF 64	P)	
(4) Control Panels - Test - (A) Verify Function typewisony and trackle signals (inputs) (b)	ss for consecution of plants.		35 00:91.34 ± 184	4.22(25v)		14/5/0: .5	22.01.01 EP 61	.67.0	EC.62.63.36
manifery functions (outpute) (c) onest super circuits and ground touts (d) sower suitely a purer and description of securates saids	_			_				Size 14.4.2.2(16)	
equipment functions proper operation sched equipment such selsor(selsor) problems \$ a called himswire; is not intended; \$25 Eugens, Ver funding & Supervision &	Aı	nnı	ual	F	ire		TD 4 27 04	Vehicle Table 14 4 2 2 (22)	.6/02/01/01
operation with a continuity two an	,	• • • • •	<u></u>	•	•		1 29 61	54.4.22(22)	N (0" (11 SE
(2) Lamps Fine Humanied (3) Primary Power Supplies (3) Discon- under maximum and including all plants		Λ	I				4 EF 64	Vethod: Table 54,4,2,2:23	.30 00/37/306
operation; #) Secondary Power Supplies - (x) Fixe		А	lar	m			6 27 86	Tobie 14.4.5(18): Vehicle Table 14.4.1.2725	.0 02.01.04
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S) Transposters S) Transposters S) Transposters	Insp		\tio	'n	T_{\sim}	\sim l		Tobie 18.4 S(10) Vetnod: Table 84.6 2 2723	.9 02.91.94
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& teosphol moles agrainwher a score is grive the indication of Shound-fault month conductor bosoms							4 57 64	14.6.2.2(23)	.B/00.50.54
(a) Activate on inflating device and verify to green see focation				rod alos		e 14.4.5(20; 1.0)	02.01.04 EP 64	Vetros Table 84 4 279756	.8 02.91.94
(c) Croute a trousic condition & varify receipt trem ses location	and the second second second				1.02 CS 56 EP 54	red Table 43.3329		Valved vise 14.4.22(2) Vetros Toba	.8 00.01.34
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on Life Safety Consulting, LLC - Nov., 2018 - Unauthorized du	fication prohibited without pen	mission						#16.212.25 HEAV 30:4210.05	5000134
D Lauzon Life Safety Consulting, LLC	Nov. 2018 - Unauthorized dupl	ication prohibite	ed without permis	sion					
D Lauzon Life Safety Consulting, LLC	Nov. 2018 - Unauthorized dupl	ication prohibite	d without permit	sion]			

ALLC	CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (1991)	from Varutes? the code)	8
NOT ON	ON 3. SPRINKLER-ANNUAL	NEPA CODE NEPA 25-2011 TUC STD	
FORM	1504	Date of Report	4
	(1) Report contains (4) WHQ on respector. If WHEN performed, (C) here:		of present, i.e. not ap
	CHECKPOINTS: (F) RESULTS should character in S. (F) Don REPAIR sharp	datic ency	NEPA 20-2011
	(2) Sprinklers, visible - (A) Checked for signs of leakage (B) Folicum Mt. diest or any other material:	96.2 1 18 02.91.25 c 14 56.7 1 5 (7.9) 35 72.11	EXP. 2 H
	(C) Paint (any amount, if not placed by note with	56.2 1 5.07 0 (35.79 14 56.2 1 5.07 0 (35.79 14	913.52.1 .80 913.62.14
\vdash	(5) Consecut (enyorosert) (F) Popistal Conseque	\$0.2 1.1 LB 02.91.25 BP 14	Same a
	(F) Deflector One station (generally required to be parallel to the cening) (3) Santakian Obstruction - (A) Min characters are used below	\$6.2 1.1 .8 02.91.25 cm 14 \$6.2 12 5 07.91.35 (P.14	\$19.52.1 .90
	(4) Pigg, visible - (A) Cine kee for 1 seets.	45.2.7 S.00.01.35.00.11	\$4.1.1 BO
-	(F) Connector (C) Expensel loads a tree reeting on the pipe or hung from the pipe	46.2.2 JB 02.01.05 EP 14	\$0.34.1 .0
	(D) Gook Conciton	\$9.22 18 02 91.95 UP 14	9144 .8
-	(E) Machanical Samage (2) Harnsens, wealth (3) Checker or Damage	\$5.2.7 .5 07.3 (35.00.1) \$5.2.2.1 .5 07.3 (35.00.1)	903/3/2 .90
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	(C) Record time to restore ps (D) Compared to previous Main Drain "sc	9373 ICB/3361P3C 53202 ECGOXPSC	25 25 27 77 78 24 38 77 5 28 5
	(C) Record time to restore par (D) Compared to exercise Main Order "as: (P) Televiron recorded to exercise Main Order "as:	9373 10893361P30 93262 85626378P30	2.5 2.5 2.7 2.7 2.4 2.4 2.7 2.8 2.8 2.5
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	(C) Record time to restore par (D) Compared to exercise Main Order "as: (P) Televiron recorded to exercise Main Order "as:	9373 ICB/3361P3C 53202 ECGOXPSC	112 386 325 57 17 A 24 38 27 70 28 .50
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	(C) Record time to restore par (D) Compared to exercise Main Order "as: (P) Televiron recorded to exercise Main Order "as:	9373 ICB/3361P3C 53202 ECGOXPSC	101, 36 325 36 7 A 35 7 A 35 7 A 35 7 B 35 7 B 35 7 B 35 7 B 35
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Inspection Doc Eval



Best to Use Forms that are Based On the CODE

- 1. Use forms that "Quote" the Code
- 2. Ensure forms are completely filled in
- 3. Make repairs ASAP

$$1 + 2 + 3 = Compliance$$



A LE ENGINEER Inspection Documentation

1. FIRE DOORS

Refer to Feb 2018 Lunch & Learn on Fire Door Inspection For more detail

TWO PARTS OF THE REVIEW

Fire Door Document Review

LLSC INSPECTION REPORT EVALUATION TOOL

5 Most Cited Inspections

Page 1 of 9

	NOT ON ON FORM FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010	TJC STD
eport Fitle:			Date of Report:	
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any def		(D) Specific
		(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1	LS.02.01.20 EP 3
		(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1	LS.02.01.20 EP 3
		(3) Test Automatic Closing doors to verify the assembly will close under fire conditions.	§5.2.6	EC.02.03.05 EP 2
		(A) performed (prior to testing) from both sides to assess overall condition of door assembly	§5.2.3.1 5.2.4.1	LS.02.01.20 EP 3
		(B) No holes or breaks exist in surfaces of either door or frame	§5.2.4.2(1)	LS.02.01.20 EP 3
		(C) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.	§5.2.4.2(3)	LS.02.01.20 EP
		(D) No parts are missing or broken.	§5.2.4.2(4)	LS.02.01.20 EP
		(E) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.	§5.2.4.2(5)	LS.02.01.20 EP
		(F) The self-closing device is operational (active door completely closes when from the full open position)	§5.2.4.2(6)	LS.02.01.20 EP
		(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8)	LS.02.01.20 EP
		(H) No field modifications to the door assembly have been performed that void the label.	§5.2.4.2(10)	LS.02.01.20 EP
		(I) Hardware shall be examined, and inoperative hardware, parts, or other defects shall be replaced without delay.	§5.2.9	LS.02.01.20 EP

NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010	TJC STD
			(J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.	§5.2.4.2(11)	LS.02.01.20 EP 32
			(K) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.	§5.2.4.2(2)	LS.02.01.20 EP 32
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)	LS.02.01.20 EP 32
			(M) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.	§5.2.4.2(9)	LS.02.01.20 EP 32
			(5) Maintenance: Guides and bearings shall be kept well lubricated to facilitate operation	§5.2.12.1	EC.02.03.05 EP 2
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ and provides assurance that the door will perform its intended function under fire conditions	§5.2.2.1	

Part 1 - Basics

Inspect ALL rated doors for these items

4 BASIC CHECKPOINTS

Part 2 – "Ifs"

Inspect these items

IF you have them

3 SUPPLIMENTAL CHECKPOINTS

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ALL CHECK POINTS ON THIS LI	ST MUST BE ON A VALID FORM	(best if form "Quotes" the code)
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	FORM	FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA 80-2010	TJC STD				
Report Title:				Date of Report:					
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defi		(D) Specific				
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1	LS.02.01.20 EP				
			(B) Testing performed by Individuals with knowledge & understanding of the	§5.2.3.1	LS.02.01.20 EP				
		Ħ	ALL CHECKPOINTS ON FOR	<u>RM</u>	EC.02.03.05 EP				
0			Quote the Code		LS.02.01.20 EF				
					LS.02.01.20 EP				
1		_	(E) Door dicarances do not exceed dicarances noted in 1.0.1 and 0.0.1.1.	30.2(0)	LS.02.01.20 EP				
			(F) The self-closing device is operational (active door completely closes when from the full open position)	§5.2.4.2(6)	LS.02.01.20 EP				
			(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8)	LS.02.01.20 EP				
			(H) No field modifications to the door assembly have been performed that void the label.	§5.2.4.2(10)	LS.02.01.20 EP				
			(I) Hardware shall be examined, and inoperative hardware, parts, or other	§5.2.9	LS.02.01.20 EP				

	ALI	CHECK POINTS ON THIS LIST MUST BE ON A VALID	FORM (best if for	m "Ountes" the	code)
	NOT OI FORM	00 - 50000	<u>UAL</u>	NFPA CODE NFPA 80-2010	TJC STD
Report Title:				Date of Report:	
		(1). Report contains (A) WHO did inspection; (B) WHEN pe		LIST of devices; ciency	(D) Specific
		CODE REFERENCES		§5.2.1	LS.02.01.20 EP 3
		OODL KLI LKLIIOLO	anding of the	§5.2.3.1	LS.02.01.20 EP 3
			se under fire	§5.2.6	EC.02.03.05 EP 2
		Show where	Il condition of	§5.2.3.1 5.2.4.1	LS.02.01.20 EP 3
9	8	requirement		§5.2.4.2(1)	LS.02.01.20 EP 3
		-	reshold are lamage.	§5.2.4.2(3)	LS.02.01.20 EP 3
		comes from		§5.2.4.2(4)	LS.02.01.20 EP 3
h			nd 6.3.1.7.	§5.2.4.2(5)	LS.02.01.20 EP 3
			ly closes when	§5.2.4.2(6)	LS.02.01.20 EP 3
		(G) Latching hardware operates and secures the door whe position.	n it is in the closed	§5.2.4.2(8)	LS.02.01.20 EP 3
		(H) No field modifications to the door assembly have been the label.	performed that void	§5.2.4.2(10)	LS.02.01.20 EP 3
		(I) Hardware shall be examined, and inoperative hardware, defects shall be replaced without delay.	parts, or other	§5.2.9	LS.02.01.20 EP 3

	ALL	CHEC	POINTS ON THIS LIST MUST BE ON A VALID FORM (best if for	orm "Quotes" the	code)
	NOT ON FORM	ON FORM	1. FIRE DOOR,SWINGING ANNUAL	NFPA CODE NFPA 80-2010	TIC STD
Report Title:				Date of Report:	
			<u>1). Report contains (A) who</u> aid inspection; (B) <u>when</u> performed; (C) itemize CHECKPOINTS; (E) <u>RESULTS</u> of each checkpoint & (F) Doc <u>REPAIR</u> of any d		(U) Ѕресітіс
			2). Fire doors inspected & tested at least annually;	§5.2.1	LS.02.01.20 EP 3
			TITLE OF REPORT	§5.2.3.1	LS.02.01.20 EP 3
			(if reviewing a completed report)	§5.2.6	EC.02.03.05 EP 2
			4) (/	§5.2.3.1 5.2.4.1	LS.02.01.20 EP 3
			Identify What YOU	§5.2.4.2(1)	LS.02.01.20 EP 32
			S	§5.2.4.2(3)	LS.02.01.20 EP 32
			all this Report	§5.2.4.2(4)	LS.02.01.20 EP 32
9				§5.2.4.2(5) §5.2.4.2(6)	LS.02.01.20 EP 32
			&	93.2.4.2(0)	L3.02.01.20 EP 32
				§5.2.4.2(8)	LS.02.01.20 EP 32
			्री Date of Report	§5.2.4.2(10)	LS.02.01.20 EP 32
			d d	§5.2.9	LS.02.01.20 EP 32

ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the code)									
	NOT ON FORM	ON FORM	1. FIRE DOOR,SWINGIN	IG ANNUAL	NFPA CC NFPA 80-2		TJC STD		
Repo <mark>r</mark> Title:	3				Date of Re	port:			
			<u>). Report contains</u> (A) <u>WHO</u> did inspection; (B <u>HECKPOINTS</u> ; (E) <u>RESULTS</u> of each checkpo			/ices;	(D) Specific		
). Fire doors ins (A) with written & (B) Testing perfo	EVALUATION	1		LS.02.01.20 EP 32		
			operating compo) Test Automati				EC.02.03.05 EP 2		
			(A) periorned (p	ow your form			LS.02.01.20 EP 32		
			oor assembly (B) No holes or b (C) The door, fra	with the co	de	l) B)	LS.02.01.20 EP 32 LS.02.01.20 EP 32		
			secured, aligned (D) No parts are (E) Door clearan	ACH code		F)	LS.02.01.20 EP 32 LS.02.01.20 EP 32		
			(F) The self-closi from the full oper	uirement		§)	LS.02.01.20 EP 32		
			(G) Latching hard position. (H) No field modi			3) 0)	LS.02.01.20 EP 3;		
			the label. (I) Hardware shall be examined, and inoperative defects shall be replaced without delay.	e hardware, parts, or other	§5.2.9		LS.02.01.20 EP 32		

↑ ↑ Mark One Box for Each Check Point

1. BASICS

4 BASIC CHECKPOINTS

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the code)									
	NOT ON	ON ORM 1. FIRE DOOR,SWINGING ANNUAL	NFPA CODE NFPA 80-2010	TJC STD						
Report Title:			Date of Report:							
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemize CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any december 1.		(D) Specific						
		(A) with written & signed record of inspection	95.∠.1	1 LO.UZ.UT.ZU EF 3,						
5.0		(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1	LS.02.01.20 EP 32						
		(3) Test Automatic Closing doors to verify the assembly will close under fire conditions.	§5.2.6	EC.02.03.05 EP 2						
		(A) Visual inspection (A) performed (prior to testing) from both sides to assess overall condition of door assembly	§5.2.3.1 5.2.4.1	LS.02.01.20 EP 32						
		(B) No holes or breaks exist in surfaces of either door or frame	§5.2.4.2(1)	LS.02.01.20 EP 3						
<u>w</u>	<u>KEY DOCUMENT ELEMENTS</u> Who, When, List, Checkpoints, Results & Repairs are KEY elements of EVERY inspection document									
		 (H) No field modifications to the door assembly have been performed that voic the label. (I) Hardware shall be examined, and inoperative hardware, parts, or other defects shall be replaced without delay. 	§5.2.4.2(10) §5.2.9	LS.02.01.20 EP 32						

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the c							
	NOT ON	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010				
Report Title:				Date of Report:				
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defici					
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1				
			(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1				
			conditions.	30.2.0				
			(4) Visual inspection (A) performed (prior to testing) from both sides to assess overall condition of door assembly	§5.2.3.1 5.2.4.1				
		:	(B) No holes or breaks exist in surfaces of either door or frame	§5.2.4.2(1)				
	 WHEN & WHO CRITERIA ANNUAL = max 365 days from previous inspect Do NOT be fooled by TJC position of +/- a mont Testing can be done in-house 							
			the label.	3 0.2. 1. 2(10)				

	ALL	CHEC	K POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form	n ''Quotes'' the c
	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defice	
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1
١.			(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1
			(3) Test Automatic Closing doors to verify the assembly will close under fire conditions.	§5.2.6
		T	HOLD OPEN & DETECTOR TESTING	3.17.3
			Release of Hold Open Devices by smoke ctor (frequently done during annual FA	3)
		•	ection)))
			ing FA Inspection to comply, make sure to	doc
		and	that it was performed within 365 days	gu.z.4.z(10)
			the label.	

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the c						
	NOT ON FORM	ON FORM	1. FIRE DOOR,SWINGING ANNUAL	NFPA CODE NFPA 80-2010			
Report Title:				Date of Report:			
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defi				
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1			
			(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1			
			(3) Test Automatic Closing doors to verify the assembly will close under fire conditions.	§5.2.6			
			(A) Visual inspection (A) performed (prior to testing) from both sides to assess overall condition of door assembly	§5.2.3.1 5.2.4.1			
			(B) No holes or breaks exist in surfaces of either door or frame	§5.2.4.2(1)			
			(C) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.	§5.2.4.2(3)			
	H	lust	NSPECT BOTH SIDES & SURFACES show that Both sides of door were inspect show that door/frame surfaces are intact	2(4) 2(5) 2(6) 2(8) \$5.2.4.2(10)			
			(H) No field modifications to the door assembly have been performed that void the label.	80.2.4.2(10)			

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the c					
	4000	T ON DRM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010	
Report Title:					Date of Report:	
				(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit		
				(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1	
				PARTS SECURED & WORKING		
		•	Che	ck that all screws are in place & tight		
		•	Mak	te sure all parts are in place		
	· ·			door assembly		
•				(R) No holes or breaks exist in surfaces of either door or frame	85 2 4 2(1)	
				(C) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.	§5.2.4.2(3)	
				(D) No parts are missing or broken.	§5.2.4.2(4)	
				(E) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.	§5.2.4.2(5)	
				(F) The self-closing device is operational (active door completely closes when from the full open position)	§5.2.4.2(6)	
				(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8)	
				(H) No field modifications to the door assembly have been performed that void the label.	§5.2.4.2(10)	

	ALL	CHEC	K POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form	n "Quotes" the c
	 T ON DRM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defici	
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1
			<u>CLEARANCES</u>	
	•	4.8.	4 undercut <3/4"	
	•	6.3.	1.7 Jamb, Header & Meeting: 1/8" on wo	ood;
0		3/16	on steel; measured on "pull" side	
			(C) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.	§5.2.4.2(3)
•			(D) No parts are missing or broken	<u>\$5.2.4.2(4)</u>
			(E) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.	§5.2.4.2(5)
			(F) The self-closing device is operational (active door completely closes when from the full open position)	3 5.2.4.2(0)
			(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8)
			(H) No field modifications to the door assembly have been performed that void the label.	§5.2.4.2(10)

	ALL	CHEC	K POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form	n "Quotes" the c
	NOT ON FORM	ON FORM	1. FIRE DOOR,SWINGING ANNUAL	NFPA CODE NFPA 80-2010
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defi	
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1
	•		ck that door fully closes & latches when ased	
0			door assembly (B) No holes or breaks exist in surfaces of either door or frame	§5.2.4.2(1)
			(C) The door, frame, hinges, hardware, and noncombustible threshold are secured, aligned, and in working order with no visible signs of damage.	§5.2.4.2(1) §5.2.4.2(3)
			(D) No parts are missing or broken.	§5.2.4.2(4)
			(E) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.	§5.2.4.2(5)
			(F) The self-closing device is operational (active door completely closes when from the full open position)	§5.2.4.2(6)
			(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8)
			(H) No field modifications to the door assembly have been performed that void the label.	9 5.Z.4.Z(10)

		1.]	BASICS T MUST BE ON A VALID FORM (best if f	orm "Quotes" the c
	NOT C		1. FIRE DOOR,SWINGING ANNUAL	NFPA CODE NFPA 80-2010
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemiz CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any contains	
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1
			(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1
			FIELD MODIFICATIONS	
	-	bee	ck that door, frame & hardware have NC n changed in the field from the way they inally received from the manufacturer	
	┨•	_	ally electric strikes, combo locks, extra s	crew \Box
	L	hole	es, etc indicate field modifications	
			(G) Latching hardware operates and secures the door when it is in the closed	§5.2.4.2(8)
			(H) No field modifications to the door assembly have been performed that voi the label.	d §5.2.4.2(10)
1			 (I) Hardware shall be examined, and inoperative hardware, parts, or other defects shall be replaced without delay. 	§5.2.9

	ALL	CHEC	K POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form	n "Quotes" the c
		1.	BASICS OOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit	
			(2). Fire doors inspected & tested at least annually; (A) with written & signed record of inspection	§5.2.1
			(B) Testing performed by Individuals with knowledge & understanding of the operating components of the door being inspected	§5.2.3.1
			(3) Test Automatic Closing doors to verify the assembly will close under fire conditions.	§5.2.6
			<u>REPAIRS</u>	
1	•	Mus	st make repairs ASAP	
	•	"Wit	thout Delay" is subjective & AHJ determine	es
			(D) No parts are missing or broken.	§5.2.4.2(4)
10			(E) Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.	§5.2.4.2(5)
			(F) The self-closing device is operational (active door completely closes when from the full open position)	§5.2.4.2(6)
			(G) Latching hardware operates and secures the door when it is in the closed position.	§5.2.4.2(8)
			(H) No field modifications to the door assembly have been performed that void the label	§5.2.4.2(10)
			(I) Hardware shall be examined, and inoperative hardware, parts, or other defects shall be replaced without delay.	§5.2.9

2. <u>"IFs"</u>

SUPPLIMENTAL CHECKPOINTS

The 2nd part of the inspection depends on what extra items are installed on the door/frame, such as

- Gaskets
- Kickplates
- Windows
- Coordinators
- Auxiliary Hardware

Best to have a place to check "**Not Applicable**" if not installed on a door. These items should never be left off the form, even if there are none in the building.

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
			(4) Visual inspection (continued) (J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.	§5.2.4.2(11)
			(K) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.	§⊃.∠.4.∠(∠)
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)
			(M) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.	§5.2.4.2(9)
			(5) Maintenance: Guides and bearings shall be kept well lubricated to facilitate operation	§5.2.12.1
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ	§5.2.2.1

IF DOOR HAS GASKETS or SEALS

 Healthcare doors DO NOT need to have gaskets or edge seals, but if you have them they must be inspected

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
			(4) Visual inspection (continued) (J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity	§5.2.4.2(11)
			(K) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.	§5.2.4.2(2)
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)
			(M) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.	§5.2.4.2(9)
			(5) Maintenance: Guides and bearings shall be kept well lubricated to facilitate operation	§5.2.12.1
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ and provides assurance that the door will perform its intended function under fire	§5.2.2.1

IF DOORS HAVE WINDOWS

Fire doors DO NOT need to have windows, but if you have them they must be inspected. Cross-corridor Smoke Barrier doors must have windows.

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
			(4) Visual inspection (continued) (J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.	§5.2.4.2(11)
			(K) Glazing, vision light frames, and glazing beads are intact and securely	§5.2.4.2(2)
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)
			(IVI) Auxiliary naroware items that interfere or prohibit operation are not installed on the door or frame.	§⊃.∠.4.∠(∀)
			(5) Maintenance: Guides and bearings shall be kept well lubricated to facilitate operation	§5.2.12.1
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ and provides assurance that the door will perform its intended function under fire	§5.2.2.1

IF DOORS HAVE COORDINATOR

Single fire doors DO NOT need to a coordinator, but single-swing pairs of doors do

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
			(4) Visual inspection (continued) (J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.	§5.2.4.2(11)
			(K) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.	§5.2.4.2(2)
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)
			(M) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.	§5.2.4.2(9)
			(5) Waintenance: Guides and bearings shall be kept well lubricated to facilitate operation	§3.Z.1Z.1
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ	§5.2.2.1

IF DOORS HAVE AUXILIARY HARDWARE

Extra hardware is not mandatory, but if equipped, must not inhibit door operation.
Includes: kick plates, hold-opens, signs, etc.

2. "IFs"

NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
			(4) Visual inspection (continued) (J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.	§5.2.4.2(11)
			(K) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.	§5.2.4.2(2)
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)
			(M) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.	§5.2.4.2(9)
			(5) Maintenance: Guides and bearings shall be kept well lubricated to facilitate operation	§5.2.12.1
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ and provides assurance that the door will perform its intended function under fire	§5.2.2.1

IF DOORS HAVE GUIDES or BEARINGS

Bearing hinges are not mandatory, but some doors have bearings that must be lubed

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	1. FIRE DOOR, SWINGING ANNUAL	NFPA CODE NFPA 80-2010
			(4) Visual inspection (continued) (J) Gasketing and edge seals, where required, are inspected to verify their presence and integrity.	§5.2.4.2(11)
			(K) Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.	§5.2.4.2(2)
			(L) If a coordinator is installed, the inactive leaf closes before the active leaf	§5.2.4.2(7)
			(M) Auxiliary hardware items that interfere or prohibit operation are not installed on the door or frame.	§5.2.4.2(9)
			(5) Maintenance: Guides and bearings shall be kept well lubricated to facilitate	§5.2.12.1
			(6) A written Performance Based program for inspection, testing and maintenance is an acceptable alternative to the above if acceptable to the AHJ and provides assurance that the door will perform its intended function under fire conditions	§5.2.2.1

IF MAINTENANCE IS PERFORMANCE BASED

Can use a Performance Based Program instead of these checkpoints, but must be approved by AHJ



HEALT A HERDING HERDIN Inspection Documentation

2. Quarterly SPRINKLER

QUARTERLY = 4 REPORTS

TWO PARTS OF THE REVIEW

Qtrly Sprinkler Doc Review

LLSC INSPECTION REPORT EVALUATION TOOL

5 Most Cited Inspections

Page 2 of 9

	ALL CHE	CK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if for	orm "Quotes" the	code)
	NOT ON ON FORM FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011	TJC STD
Report Title:			Date of Report:	}
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemiz CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any d		; (D) Specific
Ī		(2) Hydraulic Design Info Sign - (A)Securely Attached to riser with durable method	§5.2.6	LS 02.01.35 EP 1
		(B) Is sign Legible	§5.2.6	LS 02.01.35 EP 1
- I		(3) Fire Dept Connection (FDC) - (A) Are visible and accessible	§13.7.1(1)	EC.02.03.05 EP 1
- 1		(B) Couplings or swivels not damaged & rotate smoothly	§13.7.1(2)	EC.02.03.05 EP 1
Ī		(C) Plugs or caps are in place and undamaged	§13.7.1(3)	EC.02.03.05 EP 1
- 1		(D) Gaskets are in place and in good condition	§13.7.1(4)	EC.02.03.05 EP 1
- 1		(E) Identification signs are in place	§13.7.1(5)	EC.02.03.05 EP 1
- 1		(F) Check valve is not leaking	§13.7.1(6)	EC.02.03.05 EP
1		(G) Auto drain valve in place and operating	§13.7.1(7)	EC.02.03.05 EP
Ī		(H) Clapper(s) in place and operating properly	§13.7.1(8)	EC.02.03.05 EP
		 (i) If plugs or caps are not in place, the interior of the connection shall be inspected for obstructions & verified the clapper is operational over its full range. 	§13.7.2	EC.02.03.05 EP 1

NOT	NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011	TJC STD
	2		(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power, low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)	EC.02.03.05 EP 0
			(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests, etc	§5.2.5	LS 02.01.35 EP 14
			(6) Mechanical Water Flow Alarm Bell - Test operation	§5.3.3.1; §13.2.6.1	LS 02.01.35 EP 14
			(7) Heat Tape (if any) - Inspected per Mfr instructions	§5.2.7	LS 02.01.35 EP 1
			(8) Main Drain Test, for at least one downstream sys (if the sole water supply is through a backflow preventer or pressure reducing valve)	§13.2.5.1	LS 02.01.35 EP 1
			(9) Drv/Preaction Valve - Test Priming water level in supervised systems per manufacturer's instructions (High priming water levels can adversely affect the operation of supervisory air)	§13.4.3.2.1; §13.4.4.2.1	LS 02.01.35 EP 14
			(10) Dry/Preaction Low air pressure alarms (if any) - Test per mfr	§13.4.3.2.13; §13.4.4.2.6	EC.02.03.05 EP 0
			(11) Dry/Preaction Quick-Open Device (if provided) - Test	§13.4.4.2.4	LS 02.01.35 EP 1
			(12) Pressure Reducing Valve (PRV) (if any) - (A) In the open position	§13.5.1.1(1)	LS 02.01.35 EP 1
			(B) Not leaking	§13.5.1.1(2)	LS 02.01.35 EP 1
			(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)	LS 02.01.35 EP 1
			(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)	LS 02.01.35 EP 1

Part 1 - Basics

Inspect ALL rated sys for these items

3 BASIC CHECKPOINTS

Part 2 – "Ifs"

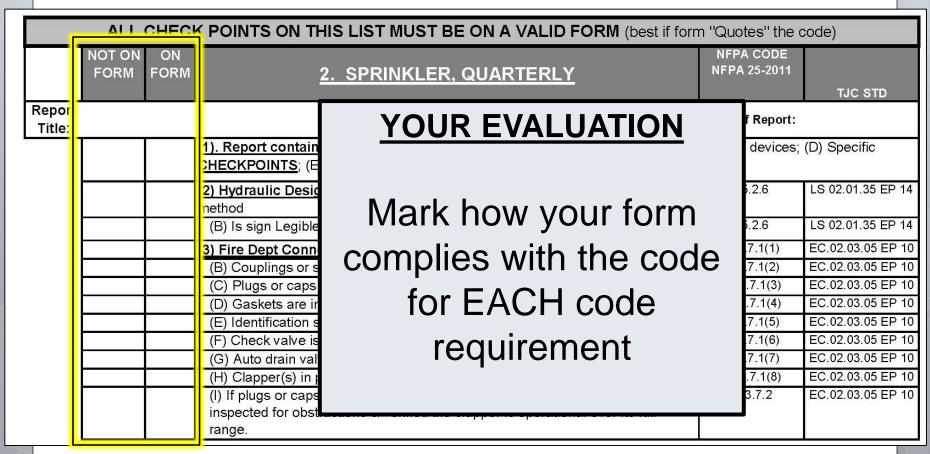
Inspect these items IF you have them

9 SUPPLIMENTAL CHECKPOINTS

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the code)							
•	FOF	RM FO		NFPA CODE NFPA 25-2011	TJC STD			
Repo				Date of Report:	-			
			(1). Report contains (A) WHO did inspection; (B) WHEN performed CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc		; (D) Specific			
			(2) Hvdraulic Design Info Sign - (A)Securely Attached to rise	er with durable §5.2.6	LS 02.01.35 EP 14			
			ALL CHECKPOINTS C	ON FORM	LS 02.01.35 EP 14			
)	EC.02.03.05 EP 10 EC.02.03.05 EP 10			
			1	3)	EC.02.03.05 EP 10			
			1 Quote the Co	de 💆	EC.02.03.05 EP 10			
)	EC.02.03.05 EP 10			
			-	2)	EC.02.03.05 EP 10 EC.02.03.05 EP 10			
			(H) Clapper(s) in place and operating properly	§13.7.1(8)	EC.02.03.05 EP 10			
			(I) If plugs or caps are not in place, the interior of the connecting inspected for obstructions & verified the clapper is operation range.		EC.02.03.05 EP 10			

ALL C	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Ountes" the code)							
NOT ON FORM F	ON CONTRACTOR OF STRINKLER, QUARTER	RLY	NFPA CODE NFPA 25-2011	TJC STD				
Report Title:			Date of Report:					
	CODE REFERENCES	REPAIR of any defice		(D) Specific				
	OODL KLI LKLIGEO	r with durable	§5.2.6	LS 02.01.35 EP 14				
			§5.2.6	LS 02.01.35 EP 14				
	Show where	le	§13.7.1(1)	EC.02.03.05 EP 10				
	SHOW WHELE		§13.7.1(2)	EC.02.03.05 EP 10				
	roquiromont		§13.7.1(3)	EC.02.03.05 EP 10				
	requirement		§13.7.1(4)	EC.02.03.05 EP 10 EC.02.03.05 EP 10				
- H	oom oo fram		§13.7.1(5) §13.7.1(6)	EC.02.03.05 EP 10				
	comes from		§13.7.1(0)	EC.02.03.05 EP 10				
 			§13.7.1(8)	EC.02.03.05 EP 10				
		tion shall be	§13.7.2	EC.02.03.05 EP 10				
	range.	ational over its full	20098 2007000 100 100					
	-							

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the code)						
	NOT ON ON FORM FORM	2. SPRINKLER, QUARTERLY		NFPA CODE NFPA 25-2011			
Report Title:				Date of Report:			
	(1). CHI		mızed ny defic	The second secon	(D) Specific		
	(<u>2)</u>			§5.2.6	LS 02.01.35 EP 14		
	(E	- /: <i>c</i> · · · · · · · · · · · · · · · · · · ·		§5.2.6	LS 02.01.35 EP 14		
	(3)	•		§13.7.1(1)	EC.02.03.05 EP 10		
	(E			§13.7.1(2)	EC.02.03.05 EP 10		
	(0			§13.7.1(3)	EC.02.03.05 EP 10		
		- 		§13.7.1(4)	EC.02.03.05 EP 10		
	(E	<u>, </u>		§13.7.1(5)	EC.02.03.05 EP 10		
	(F			§13.7.1(6)	EC.02.03.05 EP 10		
	(0			§13.7.1(7)	EC.02.03.05 EP 10		
	(+			§13.7.1(8) §13.7.2	EC.02.03.05 EP 10 EC.02.03.05 EP 10		
		· · · · · · · · · · · · · · · · · · ·		913.7.2	EC.02.03.03 EP 10		
	l l "						
		Date of Report					



↑ ↑ Mark One Box for Each Check Point

1. BASICS

Can be performed in-house

3 BASIC CHECKPOINTS

	ALL	CHEC	K POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form	Maria Caracteria de Santa Calabria	code)
	NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011	TJC STD
Report Title:				Date of Report:	-
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defi		(D) Specific
			method	3 5.2.0	110 02.01.05 EP 14
			(B) Is sign Legible	§5.2.6	LS 02.01.35 EP 14
			(3) Fire Dept Connection (FDC) - (A) Are visible and accessible	§13.7.1(1)	EC.02.03.05 EP 10
			(B) Couplings or swivels not damaged & rotate smoothly	§13.7.1(2)	EC.02.03.05 EP 10
			(C) Plugs or caps are in place and undamaged	§13.7.1(3)	EC.02.03.05 EP 10
			(D) Gaskets are in place and in good condition	§13.7.1(4)	EC.02.03.05 EP 10
_			(E) Identification signs are in place	§13.7.1(5)	EC.02.03.05 EP 10
			KEY DOCUMENT ELEMENTS When, List, Checkpoints, Results & EY elements of EVERY inspection of	<u> </u>	

1. BASICS

	NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any def	
			(2) Hydraulic Design Info Sign - (A)Securely Attached to riser with durable method	§5.2.6
			(B) Is sign Legible	§5.2.6
•			(3) Fire Dept Connection (FDC) - (A) Are visible and accessible	§13.7.1(1)
			(B) Couplings or swivels not damaged & rotate smoothly	§13.7.1(2)
			(C) Plugs or caps are in place and undamaged	§13.7.1(3)
			(D) Gaskets are in place and in good condition	§13.7.1(4)
	7		(E) Identification signs are in place	§13.7.1(5)
			(F) Check valve is not leaking	§13.7.1(6)
			_	1(7)

HYDRAULIC NAMEPLATE

 Design Nameplate must be posted on each riser if sys was hydraulically designed (most are) 1(7) 1(8)

1. BASICS

		NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011		
	Report Title:				Date of Report:		
5		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized L CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit					
				(2) Hydraulic Design Info Sign - (A)Securely Attached to riser with durable method	§5.2.6		
	_			(B) Is sign Legible	§5.2.6		
				(3) Fire Dept Connection (FDC) - (A) Are visible and accessible	§13.7.1(1)		
				(B) Couplings or swivels not damaged & rotate smoothly	§13.7.1(2)		
				(C) Plugs or caps are in place and undamaged	§13.7.1(3)		
				(D) Gaskets are in place and in good condition	§13.7.1(4)		
		, and the second		(E) Identification signs are in place	§13.7.1(5)		
				(F) Check valve is not leaking	§13.7.1(6)		
				(G) Auto drain valve in place and operating	§13.7.1(7)		
				(H) Clapper(s) in place and operating properly	§13.7.1(8)		
		(I) If plugs or caps are not in place, the interior of the connection shall be inspected for obstructions & verified the clapper is operational over its full range.					

FIRE DEPARTMENT CONNECTION

- Outside FDC has many checkpoints
- Accessible means NOTHING is in the way

2. "IFs"

Qtrly Sprinkler Doc Review 9 SUPPLIMENTAL

CHECKPOINTS

The 2nd part of the inspection depends on what extra items are installed on the sprinkler sys, such as

- Supervisory Switches (not tampers)
- Water Flow Bells (not flow switches)
- Heat Tape on pipes
- **Back Flow Preventer**
- Pressure Reducing Valve
- Dry Pipe System
- Preaction System

Best to have a place to check "Not Applicable" if not installed on the system. These items should never be left off the form, even if there are none in the building.

2. <u>"IFs"</u>

The	These items are only inspected if present, but form should have space to indicate that item is not present, i.e. not applicable								
NOT APPLIC	NOT ON FORM	ON FORM		2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011	TJC STD			
			running, phase reperformed as part (5) Water Flow A etc (6) Mechanical W (7) Heat Tape (if: (8) Main Drain Tethrough a backflow (9) Dry/Preaction manufacturer's insperation of supe (10) Dry/Preactio (11) Dry/Preactio (12) Pressure Re (A) In the open	YOUR EVALUATION Mark how your form complies with the code for EACH code requirement	NFPA 72-2010, Table 4.5(15)(I)(6) §5.2.5 §5.3.3.1; §13.2.6.1 §5.2.7 §13.2.5.1 3.4.3.2.1; 13.4.4.2.1 3.4.3.2.13; 13.4.4.2.6 13.4.4.2.4 3.5.1.1(1)	EC.02.03.05 EP 01 LS 02.01.35 EP 14 LS 02.01.35 EP 14			
				wnstream pressures per design criteria	§13.5.1.1(3)	LS 02.01.35 EP 14			
			(D) In good cond	ition, with handwheels installed and unbroken	§13.5.1.1(4)	LS 02.01.35 EP 14			

↑ ↑ ↑ Mark One Box for Each Check Point

NOTE: If marked Not Applicable, it should STILL be on the form (best with a NA check box)

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	The second secon	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011
			(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)
			etc (6) Mechanical Water Flow Alarm Bell - Test operation	§5.2.5 §5.3.3.1;

IF SYS HAS SUPERVISORY SWITCHES

Supervisory switches for water supply equipment (fire pumps, water tanks, ect) are optional, but if installed must be tested.

	§13.4.4.Z.0
(11) Dry/Preaction Quick-Open Device (if provided) - Test	§13.4.4.2.4
(12) Pressure Reducing Valve (PRV) (if any) -	§13.5.1.1(1)
(A) In the open position	
(B) Not leaking	§13.5.1.1(2)
(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)
(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)

2. <u>"IFs"</u>

APP)T PLIC	NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011
				(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)
				<u>(5) Water Flow Alarm Bell</u> - Visual Inspection for Physical Damage, Bird nests, etc	§5.2.5
				(6) Mechanical Water Flow Alarm Bell - Test operation	§5.3.3.1; §13.2.6.1
				(7) Heat Tape (if any) - Inspected per Mfr instructions	§5.2.7
∥ _				(8) Main Drain Test, for at least one downstream sys (if the sole water supply is	§13.2.5.1
	•	Thes before	t cor se ar re fir	The state of the s	5 3;)
				(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)
				(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011
			(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be	NFPA 72-2010, Table
			performed as part of the fire alarm testing sys)	14.4.5(15)(I)(6)
	(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests, etc		§5.2.5	
	(6) Mechanical Water Flow Alarm Bell - Test operation		§5.3.3.1;	
(7) Heat Tape (if any) - Inspected per Mfr instructions		§5.2.7		
			(8) Main Drain Test, for at least one downstream sys (if the sole water supply is through a backflow preventer or pressure reducing valve)	§13.2.5.1
			(9) Dry/Preaction Valve - Test Priming water level in supervised systems per	§13.4.3.2.1;
	Char		BUILDING HAS HEAT TAPE ON PIPES	bot B;
╟┤╹	Ched	JK HE	eat tape that is sometimes used on pipes t	nat 📙
	tend	to fr	eeze).
	e V		(D) Not looking	\$12 F 1 1/2\
			(B) Not leaking	§13.5.1.1(2)
	-		(C) Maintains downstream pressures per design criteria	§13.5.1.1(3) §13.5.1.1(4)
II.	(D) In good condition, with handwheels installed and unbroken §13.5			

2. <u>"IFs"</u>

NO [*]			2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011	
	(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)		NFPA 72-2010, Table 14.4.5(15)(I)(6)		
	(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests, etc		§5.2.5		
	(6) Mechanical Water Flow Alarm Bell - Test operation		§5.3.3.1; §13.2.6.1		
			(7) Heat Tabe (if any) - Inspected per Mfr instructions	<u> </u>	
			(8) Main Drain Test, for at least one downstream sys (if the sole water supply is through a backflow preventer or pressure reducing valve)	§13.2.5.1	
			(0) Dry/Freaction Valve - Test Priming water level in supervised systems per	§10.1.0.2.1;	
			IF SYS HAS BFP or PRV	13;	
ш•	Only	appl	licable if water main has a Back Flow	.6	
ш				.4	
	Preventor or Pressure Reducing Valve				
H•	Main Drain Test on only 1 branch 2)				
	See a	annu	al for details to be recorded	3) (4)	

2. "IFs"

NOT APPLIC	NOT ON FORM	The state of the s	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011
			(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)
			(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests,	§5.2.5

IF HAVE DRY PIPE or PREACTION SYS

4 Extra checkpoints if have a dry pipe or preaction sys

through a backflow preventer or pressure reducing valve)	,,,,,,,,,
(9) Dry/Preaction Valve - Test Priming water level in supervised systems per manufacturer's instructions (High priming water levels can adversely affect the operation of supervisory air)	§13.4.3.2.1; §13.4.4.2.1
(10) Dry/Preaction Low air pressure alarms (if any) - Test per mfr	§13.4.3.2.13; §13.4.4.2.6
(11) Dry/Preaction Quick-Open Device (if provided) - Test	§13.4.4.2.4
(12) Pressure Reducing Valve (PRV) (if any) - (A) In the open position	§13.5.1.1(1)
(B) Not leaking	§13.5.1.1(2)
(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)
(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)

2. <u>"IFs"</u>

NOT APPLIC			NFPA CODE NFPA 25-2011		
			(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)	
			(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests,	§5.2.5	
•	 IF HAVE DRY/PREACTION VALVE Use manufacturer's instructions 				
			through a backflow preventer or pressure reducing valve)	J	
			(9) Dry/Preaction Valve - Test Priming water level in supervised systems per manufacturer's instructions (High priming water levels can adversely affect the operation of supervisory air)	§13.4.3.2.1; §13.4.4.2.1	
			(10) Dry/Preaction Low air pressure alarms (if any) - Test per mfr	§13.4.3.2.13; §13.4.4.2.6	
			(11) Dry/Preaction Quick-Open Device (if provided) - Test	§13.4.4.2.4	
			(12) Pressure Reducing Valve (PRV) (if any) - (A) In the open position	§13.5.1.1(1)	
			(B) Not leaking	§13.5.1.1(2)	
			(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)	
			(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)	

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY		
			(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)	
			(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests,	§5.2.5	
-	 IF HAVE LOW AIR PRESSURE ALARM Use manufacturer's instructions 				
			through a backflow preventer or pressure reducing valve)	3 · · · · · · · ·	
			(9) Dry/Preaction Valve - Test Priming water level in supervised systems per manufacturer's instructions (High priming water levels can adversely affect the operation of supervisory air)	§13.4.3.2.1; §13.4.4.2.1	
			(10) Dry/Preaction Low air pressure alarms (if any) - Test per mfr	§13.4.3.2.13; §13.4.4.2.6	
			(ITT) DIVIPTEACTION QUICK-OPEN DEVICE (II provided) - Test	913.4.4.∠.4	
- H			(12) Pressure Reducing Valve (PRV) (if any) - (A) In the open position	§13.5.1.1(1)	
			(B) Not leaking	§13.5.1.1(2)	
			(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)	
	The state of the s		(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)	

2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011	
			(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)	
			(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests,	§5.2.5	
-	 IF HAVE QUICK-OPENING DEVICE Use manufacturer's instructions 				
			through a backflow preventer or pressure reducing valve)	3	
			(9) Dry/Preaction Valve - Test Priming water level in supervised systems per manufacturer's instructions (High priming water levels can adversely affect the operation of supervisory air)	§13.4.3.2.1; §13.4.4.2.1	
			(10) Dry/Preaction Low air pressure alarms (if any) - Test per mfr	§13.4.3.2.13;	
			(11) Dry/Preaction Quick-Open Device (if provided) - Test	§13.4.4.2.4	
			(A) In the open position	310.5.1.1(1)	
			(B) Not leaking	§13.5.1.1(2)	
			(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)	
			(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)	

2. <u>"IFs"</u>

		ON FORM	2. SPRINKLER, QUARTERLY	NFPA CODE NFPA 25-2011	
			(4) Fire Alarm Supervisory Switches tested (Examples: Fire Pump trouble, running, phase reversal, power; low water level on tank, etc (Note: These may be performed as part of the fire alarm testing sys)	NFPA 72-2010, Table 14.4.5(15)(I)(6)	
			(5) Water Flow Alarm Bell - Visual Inspection for Physical Damage, Bird nests,	§5.2.5	
-	IF HAVE PRESSURE REDUCING VALVE4 Checkpoints				
			through a backflow preventer or pressure reducing valve)	3.5.5.5.	
			(9) Dry/Preaction Valve - Test Priming water level in supervised systems per manufacturer's instructions (High priming water levels can adversely affect the operation of supervisory air)	§13.4.3.2.1; §13.4.4.2.1	
			(10) Dry/Preaction Low air pressure alarms (if any) - Test per mfr	§13.4.3.2.13; §13.4.4.2.6	
			(12) Pressure Reducing Valve (PRV) (if any) - (A) In the open position	§13.5.1.1(1)	
	·		(B) Not leaking	§13.5.1.1(2)	
			(C) Maintains downstream pressures per design criteria	§13.5.1.1(3)	
			(D) In good condition, with handwheels installed and unbroken	§13.5.1.1(4)	



HEALING ON SIM HEALING ON SIM Inspection Documentation

3. Annual SPRINKLER

- MORE Checkpoints than Quarterly
- If Annual & Quarterly done together, Form must include Separate Checkpoints for each

TWO PARTS OF THE REVIEW

Annual Sprinkler Doc Review

LLSC INSPECTION REPORT EVALUATION TOOL

5 Most Cited Inspections

Page 3 of 9

	ALL	CHEC	K POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form	"Quotes" the	code)
	NOT ON FORM	ON FORM	3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
Report Title:				Date of Report:	
			(1). Report contains (A) WHO did inspection; (B) WHEN performed, (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defice		(D) Specific
			(2) Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 14
			(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 14
			(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 14
			(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 14
			(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 14
			(F) Deflector Orientation (generally required to be parallel to the ceiling)	§5.2.1.1	LS 02.01.35 EP 14
			(3) Sprinkler Obstruction - (A) Min clearance provided below	§5.2.1.2	LS 02.01.35 EP 14
			(4) Pipe, visible - (A) Checked for Leaks	§5.2.2	LS 02.01.35 EP 14
			(B) Corrosion	§5.2.2	LS 02.01.35 EP 14
			(C) External loads either resting on the pipe or hung from the pipe	§5.2.2.2	LS 02.01.35 EP 14
			(D) Good Condition	§5.2.2	LS 02.01.35 EP 14
			(E) Mechanical Damage	§5.2.2	LS 02.01.35 EP 14
			(5) Hangers, visible - (A) Checked for Damage	§5.2.3.1	LS 02.01.35 EP 14
			(B) Looseness	§5.2.3.1	LS 02.01.35 EP 14
			(6) Hydraulic Design Info Sign - (A) Attached to riser with durable method	§5.2.8	LS 02.01.35 EP 14
			(B) Is sign Legible	§5.2.8	LS 02.01.35 EP 1
			[7] Spares - (A) Checked for Min 2 for each style, deflector type, response time, temp range, orifice size, coating (if any) Must have the same sprinkler identification numbers (SINs)	§ 5.2.1.4; §5.4.1.1	LS 02.01.35 EP 14
			(B) Additional spares are required as follows: (1) Min 12 for facilities having 300	§5.4.1.5	LS 02.01.35 EP 1

LLSC INSPECTION REPORT EVALUATION TOOL

5 Most Cited Inspections

Page 4 of 9

NOT APPLIC	NOT ON FORM	ON FORM	3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
			(10) System PRV (if any) (A) Partial-Flow Test (to move valve from its seat)	§13.5.1.3	LS 02.01.35 EP 1
			[11] Backflow Assemblies. (if any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1; §13.6.2.1.4	LS 02.01.35 EP 1
			Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer	§13.6.2.1	LS 02.01.35 EP 1
			(12) Bldg - prior to winter - (A) Ck for Freeze Protection	§4.1.1.1	LS 02.01.35 EP 1
			(13) Anti-Freeze Sys - (A) Recorded Specific Gravity	§5.3.4	LS 02.01.35 EP 1
9.			(B) Checked readings to code tables	§5.3.4.1	LS 02.01.35 EP 1
			[14] Dry/Preaction Ice Obstruction Inspection - (A) Internal inspection of piping (Re. pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area)	§14.4	LS 02.01.35 EP 1
			(15) Dry/Preaction Enclosure - (A) Low Temperature Alarm for heating sys (if provided) test at start of heating season	§13.4.3.1.2; §13.4.3.2.14	LS 02.01.35 EP 1
			(B) Auxiliary Drains operated before onset of freezing conditions	§13.4.3.3.3	LS 02.01.35 EP 1
			(16) Dry/Preaction Valve - (A) Partial-FlowTrip Test (In yrs that full flow test is not required), If there's a quick-opening device that controls flow to the device	§13.4.3.2.4; §13.4.4.2.2.3	LS 02.01.35 EP
			(B) Main drain valve is fully opened to clear foreign material from pipes	§13.4.3.2.12	LS 02.01.35 EP
			(C) Sys air psi and supply water psi are recorded	§13.4.3.2.12; §13.4.4.2.2.3	LS 02.01.35 EP 1
			(D) Tripping Time - Recorded (Using a stop watch, records time that air psi valve trips)	§13.4.3.2.12; §13.4.4.2.2.3	LS 02.01.35 EP 1
			(E)Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons)	§13.4.3.2.12; §13.4.4.2.2.3	LS 02.01.35 EP
			(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2; §13.4.4.1.5	LS 02.01.35 EP 1
			(18) Dry/Preaction Low Air Pressure - (A) Test per mfr	§13.4.3.2.4	LS 02.01.35 EP 1
i i			(19) Preaction Detectors -(A) Condition of Detection Devices	§13.4.3,1.7	LS 02.01.35 EP 1
			(20) Preaction Valve Manual Operator - (A) Operate actuation device	§13.4.3.2.9	LS 02.01.35 EP

Part 1 - Basics

Inspect ALL rated sys for these items

7 BASIC CHECKPOINTS

Part 2 – "Ifs"

Inspect these items IF you have them

11 SUPPLIMENTAL CHECKPOINTS

Ī		ALL	CHEC	K POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form	n "Quotes" the o	code)			
۲		FORM	FORM	3. SPRINKLER- ANNUAL	NFPA 25-2011	TJC STD			
	Report Title:				Date of Report:				
L	Title.	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized LIST of devices;							
				CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defice		(c) openie			
				(2) Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 14			
				(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 14			
				(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 14			
				(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 14			
			l	(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 14			
	Ī			ALL OUEOUDOINTO ON FOR	584	S 02.01.35 EP 14			
				ALL CHECKPOINTS ON FOR	K IVI	.S 02.01.35 EP 14			
						LS 02.01.35 EP 14			
						LS 02.01.35 EP 14			
	Ī					LS 02.01.35 EP 14			
	Ī			Ouata the Cada		.S 02.01.35 EP 14			
	Ī			Quote the Code		S 02.01.35 EP 14			
	Ī			3,3,3,3,3		S 02.01.35 EP 14			
	Ī					S 02.01.35 EP 14			
	Ī					LS 02.01.35 EP 14			
	Ī			(B) Is sign Legible	§5.2.8	LS 02.01.35 EP 14			
				(7) Spares - (A) Checked for Min 2 for each style, deflector type, response time, temp range, orifice size, coating (if any) Must have the same sprinkler identification numbers (SINs)	§ 5.2.1.4; §5.4.1.1	LS 02.01.35 EP 14			
	Ì			(B) Additional spares are required as follows: (1) Min 12 for facilities having 300 to 1000 sprinklers; (2) Min 24 for facilities having over 1000 sprinklers	§5.4.1.5	LS 02.01.35 EP 14			
	Ī			(C) Wrench(s) nearby that fit all heads (Adjustable wrench not acceptable)	§5.4.1.6	LS 02.01.35 EP 14			
				(D) Spare Sprinkler List - New installations after July 2016 must post in cabinet a dated spare sprinkler list that includes the SIN, general description & quantity of each sprinkler to be in the cabinet	§5.4.1.4.1	LS 02.01.35 EP 14			
	ŀ			(8) Control Valves - (A) Operate its full range & return to normal position	§13.3.3.1	LS 02.01.35 EP 14			
				If a Post Indicator Valves (PIV)- Open until spring or torsion pressure is felt on rod; then back off 1/4 turn to prevent jambing	§13.3.3.2	LS 02.01.35 EP 14			

ALL CHEC	CK POINTS ON THIS LIST MUST BE ON A VALI	ID FORM (best if form	n "Quotes" the	code)
NOTON ON FORM FORM	3. SPRINKLER- ANNUAL	<u>.</u>	NFPA CODE NFPA 25-2011	TJC STD
Report Title:			Date of Report:	
	(1). Report contains (A) WHO did inspection; (B) WHEN CHECKPOINTS; (E) RESULTS of each checkpoint & (F) I		LIST of devices iency	; (D) Specific
	(2) Sprinklers, visible - (A) Checked for signs of leakage		§5.2.1.1	LS 02.01.35 EP 14
	(R) Foreign Mtl (dust or any other material)		§5.2.1.1	LS 02.01.35 EP 14
	CODE DEFEDENCES		§5.2.1.1	LS 02.01.35 EP 14
	CODE REFERENCES		§5.2.1.1	LS 02.01.35 EP 14
			§5.2.1.1	LS 02.01.35 EP 14
		ceiling)	§5.2.1.1	LS 02.01.35 EP 14
			§5.2.1.2	LS 02.01.35 EP 14
	Show where		§5.2.2	LS 02.01.35 EP 1
	Show where		§5.2.2	LS 02.01.35 EP 1
	<u>.</u>	be	§5.2.2.2	LS 02.01.35 EP 1
	requirement		§5.2.2	LS 02.01.35 EP 14
	requirement		§5.2.2	LS 02.01.35 EP 14
	•		§5.2.3.1	LS 02.01.35 EP 1
	comes from		§5.2.3.1	LS 02.01.35 EP 1
		e method	§5.2.8	LS 02.01.35 EP 1
			§5.2.8	LS 02.01.35 EP 1
		response time,	§ 5.2.1.4;	LS 02.01.35 EP 1
	Tromp range, emice eize, eeasing (ii an), maer nare sie ea	nkler	§5.4.1.1	
	identification numbers (SINs)			
	(B) Additional spares are required as follows: (1) Min 12 to 1000 sprinklers; (2) Min 24 for facilities having over 10		§5.4.1.5	LS 02.01.35 EP 14
	(C) Wrench(s) nearby that fit all heads (Adjustable wren	nch not acceptable)	§5.4.1.6	LS 02.01.35 EP 1
	(D) Spare Sprinkler List - New installations after July 20° a dated spare sprinkler list that includes the SIN, genera of each sprinkler to be in the cabinet		§5.4.1.4.1	LS 02.01.35 EP 14
	(8) Control Valves - (A) Operate its full range & return to	normal position	§13.3.3.1	LS 02.01.35 EP 1
	If a Post Indicator Valves (PIV)- Open until spring or tors rod; then back off 1/4 turn to prevent jambing		§13.3.3.2	LS 02.01.35 EP 14

ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes" the code)				
NOT ON ON 3. SPRINKLER- ANNU.	AL NFPA CODE			
Report Title:	Date of Report:			
(1). <u>Keport Contains</u> (A) <u>WHO</u> did inspection; (B) <u>WHE</u> CHECKPOINTS; (E) <u>RESULTS</u> of each checkpoint & (F) Doc <u>REPAIR</u> of any deficiency			
(2) Sprinklers, visible - (A) Checked for signs of leaka		LS 02.01.35 EP 14		
(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 14		
(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 14		
	ODT §5.2.1.1	LS 02.01.35 EP 14		
TITLE OF REP	ORI §5.2.1.1	LS 02.01.35 EP 14		
/if roviousing a complete	§5.2.1.1	LS 02.01.35 EP 14		
(if reviewing a complete	ed report) §5.2.1.2 §5.2.2	LS 02.01.35 EP 14		
<u>14</u>	§5.2.2	LS 02.01.35 EP 14		
	§5.2.2.2	LS 02.01.35 EP 14		
	§5.2.2	LS 02.01.35 EP 14		
Identify What	YOU §5.2.2	LS 02.01.35 EP 14		
Identify What	§5.2.3.1	LS 02.01.35 EP 14		
		LS 02.01.35 EP 14		
call this Rep	§5.2.8	LS 02.01.35 EP 14		
	§5.2.8	LS 02.01.35 EP 14		
	§ 5.2.1.4;	LS 02.01.35 EP 14		
	' §5.4.1.1			
id				
Date of Rep	Ort 0 §5.4.1.5	LS 02.01.35 EP 14		
	§5.4.1.6	LS 02.01.35 EP 14		
or each sprinkler to be in the cabinet	t §5.4.1.4.1 Y	LS 02.01.35 EP 14		
(8) Control Valves - (A) Operate its full range & return	to normal position §13.3.3.1	LS 02.01.35 EP 14		
If a Post Indicator Valves (PIV)- Open until spring or t rod; then back off 1/4 turn to prevent jambing		LS 02.01.35 EP 14		

		POINTS ON THIS LIST MUST BE ON A VALID FORM (best if form "Quotes	s the code)
	NOTON ON FORM FORM	3. SPRINKLER- ANNUAL NFPA CONFPA 25	
Repor		Date of R	
		1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized LIST of display the HECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficiency	evices; (D) Specific
- 1		2) Sprinklers, visible - (A) Checked for signs of leakage §5.2.	1.1 LS 02.01.35 EP 14
		(B) Foreign Mtl	LS 02.01.35 EP 14
- 1		(C) Paint (any a YOUR EVALUATION	LS 02.01.35 EP 14
- 1		(B) Callacien (C	LS 02.01.35 EP 14
- 1		(E) Physical Dat	LS 02.01.35 EP 14
- 1		(F) Deflector Or 3) Sprinkler Obs	LS 02.01.35 EP 14
- 1			LS 02.01.35 EP 14
		(B) Corrosion Mark how your form	LS 02.01.35 EP 14
- 1		(C) External load	LS 02.01.35 EP 14
- 1		(D) Good Condi (E) Mechanical complies with the code	LS 02.01.35 EP 14
- 1		(E) Mechanical COMPHES WITH THE CODE	LS 02.01.35 EP 14
- 1		5) Hangers, visi	LS 02.01.35 EP 14
		(B) Looseness for EACH code	LS 02.01.35 EP 14
- 1		S) Hydraulic Des	LS 02.01.35 EP 14
- 1		(B) Is sign Legit	LS 02.01.35 EP 14
- 1		7) Spares - (A) C requirement	LS 02.01.35 EP 14
- 1		entification num	
- 1		(B) Additional st	LS 02.01.35 EP 14
- 1		to 1000 sprinklets, (2) with 2+ for racingles having over 1000 sprinklets	
- 1		(C) Wrench(s) nearby that fit all heads (Adjustable wrench not acceptable) §5.4.	1.6 LS 02.01.35 EP 14
		(D) Spare Sprinkler List - New installations after July 2016 must post in cabinet \$5.4.1	LS 02.01.35 EP 14
- 1		a dated spare sprinkler list that includes the SIN, general description & quantity	
- 1		of each sprinkler to be in the cabinet	24 10000405504
- 1		3) Control Valves - (A) Operate its full range & return to normal position \$13.3	V ■ R
E		Mark One Box for Each Check Poin	- G 02.01.33 El 14

1. BASICS

7 BASIC CHECKPOINTS

А	LL CHECK POIN	TS ON THIS LIST MUST BE ON A VALID FORM	(best if form "Quotes" the	code)
NOT FOR		3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
Report Title:			Date of Report:	
	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized LIST of devices; (D) Speci CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficiency			
_		reign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 14
		int (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 14
		prosion (any amount)	§5.2.1.1	LS 02.01.35 EP 14

KEY DOCUMENT ELEMENTS

Who, When, List, Checkpoints, Results & Repairs are KEY elements of EVERY inspection document

(L) Mechanical Damage	85.2.2	LO 02.01.33 LI 14
(5) Hangers, visible - (A) Checked for Damage	§5.2.3.1	LS 02.01.35 EP 14
(B) Looseness	§5.2.3.1	LS 02.01.35 EP 14
(6) Hydraulic Design Info Sign - (A) Attached to riser with durable method	§5.2.8	LS 02.01.35 EP 14
(B) Is sign Legible	§5.2.8	LS 02.01.35 EP 14
(7) Spares - (A) Checked for Min 2 for each style, deflector type, response time, temp range, orifice size, coating (if any) Must have the same sprinkler identification numbers (SINs)	§ 5.2.1.4; §5.4.1.1	LS 02.01.35 EP 14
(B) Additional spares are required as follows: (1) Min 12 for facilities having 300 to 1000 sprinklers; (2) Min 24 for facilities having over 1000 sprinklers	§5.4.1.5	LS 02.01.35 EP 14
(C) Wrench(s) nearby that fit all heads (Adjustable wrench not acceptable)	§5.4.1.6	LS 02.01.35 EP 14
(D) Spare Sprinkler List - New installations after July 2016 must post in cabinet a dated spare sprinkler list that includes the SIN, general description & quantity of each sprinkler to be in the cabinet	§5.4.1.4.1	LS 02.01.35 EP 14
(8) Control Valves - (A) Operate its full range & return to normal position	§13.3.3.1	LS 02.01.35 EP 14
If a Post Indicator Valves (PIV)- Open until spring or torsion pressure is felt on rod; then back off 1/4 turn to prevent jambing	§13.3.3.2	LS 02.01.35 EP 14

1. BASICS

AL	L CHECK I	POINTS ON THIS LIST MUST BE ON A VALID FORM (best if for	orm "Quotes" the	code)
NOT O FORM		3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
Report Title:	233		Date of Report:	5.50
		. Report contains (A) <u>WHO</u> did inspection; (B) <u>WHEN</u> performed; (C) Itemize HECKPOINTS; (E) <u>RESULTS</u> of each checkpoint & (F) Doc <u>REPAIR</u> of any de		(D) Specific
	(2)	Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 14
		B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 14
		C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 14
	(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 14
	(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 14
		F) Deflector Orientation (generally required to be parallel to the ceiling)	§5.2.1.1	LS 02.01.35 EP 14
	(3)	Sprinkier Obstruction - (A) Wiin clearance provided below	§5.2.1.Z	LS 02.01.35 EP 14
	(4)	Pipe, visible - (A) Checked for Leaks	§5.2.2	LS 02.01.35 EP 14
	(B) Corrosion	§5.2.2	LS 02.01.35 EP 14
		C) External loads either resting on the pipe or hung from the pipe	§5.2.2.2	LS 02.01.35 EP 14
		(D) Cood Condition	85.2.2	LS 02 01 35 ED 14

VISIBLE SPRINKLER INSPECTION

- Walk-around visual of all exposed sprinklers
- Look especially for dust on heads
- Use zero-tolerance
- If vender does not do it, perhaps owner should

a dated spare sprinkler list that includes the SIN, general description & quantity of each sprinkler to be in the cabinet		
(8) Control Valves - (A) Operate its full range & return to normal position	§13.3.3.1	LS 02.01.35 EP 14
If a Post Indicator Valves (PIV)- Open until spring or torsion pressure is felt on rod; then back off 1/4 turn to prevent jambing	§13.3.3.2	LS 02.01.35 EP 14

1. BASICS

	ALL CHE	CK POINTS ON THIS LIST MUST BE ON A VALID FORM (best if for	orm "Quotes" the	code)
	NOTON ON FORM FORM	3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
Report Title:			Date of Report:	0.00
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemiz CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any d		(D) Specific
1		(2) Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 14
1		(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 14
1		(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 1
ı		(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 14
- 1		(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 1
		(E) Deflector Orientation (generally required to be parallel to the ceiling)	85 2 1 1	LS 02 01 35 FP 1
		(3) Sprinkler Obstruction - (A) Min clearance provided below	§5.2.1.2	LS 02.01.35 EP 14
		(4) Pipe, visible - (A) Checked for Leaks	§5.Z.Z	LS 02.01.35 EP 14
ſ		(B) Corrosion	§5.2.2	LS 02.01.35 EP 14
İ		(C) External loads either resting on the pipe or hung from the pipe	§5.2.2.2	LS 02.01.35 EP 14
		(D) Cood Condition	85.2.2	LS 02 01 35 FP 1/

SPRINKLER OBSTRUCTIONS

- Walk-around visual of all exposed sprinklers
- 18" clearance is general rule (but more complicated)
- If vender does not do it, perhaps owner should

	(C) Wrench(s) nearby that fit all heads (Adjustable wrench not acceptable)	§5.4.1.6	LS 02.01.35 EP 14
	(D) Spare Sprinkler List - New installations after July 2016 must post in cabinet a dated spare sprinkler list that includes the SIN, general description & quantity of each sprinkler to be in the cabinet	§5.4.1.4.1	LS 02.01.35 EP 14
	(8) Control Valves - (A) Operate its full range & return to normal position	§13.3.3.1	LS 02.01.35 EP 14
	If a Post Indicator Valves (PIV)- Open until spring or torsion pressure is felt on rod; then back off 1/4 turn to prevent jambing	§13.3.3.2	LS 02.01.35 EP 14

Pendent & Upright

Obstructions

Obstruction of Object on Floor (NFPA 13, 8.6.5.2.2)

<u>A</u> <u>B</u>

Horiz Dist to Min Distance
Obstruction Below Deflector

6-9".....4"

9-12".....6"

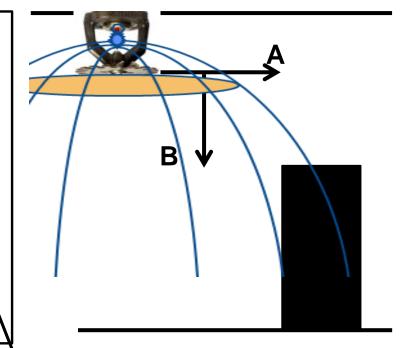
12-15".....8"

15-18".....9.5"

18-24"......12.5"

24-30"......15.5"

>30".....18"

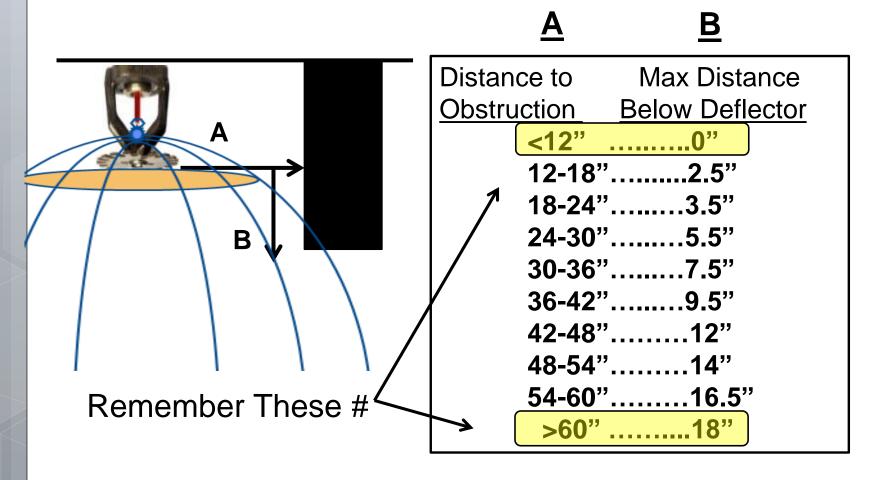


Remember These #

Pendent & Upright

Obstructions

Obstructions Hanging from Ceiling (NFPA 13, 8.6.5.1.2)



1. BASICS

		3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
Report Title:			Date of Report:	
(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized LIST of devices; (D) Spece CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficiency				
		(2) Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 1
		(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 1
		(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP
		(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 1
		(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 1
		(F) Deflector Orientation (generally required to be parallel to the ceiling)	§5.2.1.1	LS 02.01.35 EP 1
_		(3) Sprinkler Obstruction (A) Min clearance provided below	85 2 1 2	LS 02 01 35 FP 1
- 1		(4) Pipe, visible - (A) Checked for Leaks	§5.2.2	LS 02.01.35 EP 1
- 1		(B) Corrosion	§5.2.2	LS 02.01.35 EP 1
		(C) External loads either resting on the pipe or hung from the pipe	§5.2.2.2	LS 02.01.35 EP 1
- 1		(D) Good Condition	§5.2.2	LS 02.01.35 EP 1
- 1		(E) Mechanical Damage	§5.2.2	LS 02.01.35 EP
- 1		(5) Hangers, visible - (A) Checked for Damage	§5.2.3.1	LS 02.01.35 EP 1
		(B) Looseness	§5.2.3.1	LS 02.01.35 EP 1
7		(6) Hydraulic Design Info Sign - (A) Attached to riser with durable method	§5.2.8	LS 02.01.35 EP 1
	T T	(D) != -i ! = -i - -	SE 2.0	LC 02 04 25 FD 4

VISIBLE PIPE & HANGER INSPECTION

- Walk-around visual of all exposed pipes & hangers
- Look especially in storage & mechanical rooms w/o ceilings
- Use zero tolerance for anything touching a sprinkler pipe

1. BASICS

	NOTON ON FORM	2 CDDINIZI ED ANNITAL	NFPA CODE NFPA 25-2011	TJC STD
Report Title:			Date of Report:	
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any definition		(D) Specific
		(2) Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 1
		(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 1
		(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 1
		(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 1
		(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 1
		(F) Deflector Orientation (generally required to be parallel to the ceiling)	§5.2.1.1	LS 02.01.35 EP 1
		(3) Sprinkler Obstruction - (A) Min clearance provided below	§5.2.1.2	LS 02.01.35 EP 1
ì		(4) Pipe, visible - (A) Checked for Leaks	§5.2.2	LS 02.01.35 EP 1
		(B) Corrosion	§5.2.2	LS 02.01.35 EP 1
		(C) External loads either resting on the pipe or hung from the pipe	§5.2.2.2	LS 02.01.35 EP 1
		(D) Good Condition	§5.2.2	LS 02.01.35 EP 1
		(E) Mechanical Damage	§5.2.2	LS 02.01.35 EP 1
		(5) Hangers, visible - (A) Checked for Damage	§5.2.3.1	LS 02.01.35 EP 1
		(B) Looseness	§5.2.3.1	LS 02.01.35 EP 1
ſ		(6) Hydraulic Design Info Sign - (A) Attached to riser with durable method	§5.2.8	LS 02.01.35 EP 1
		(B) Is sign Legible	§5.2.8	LS 02.01.35 EP 1
		temp range, orifice size, coating (if any) Must have the same sprinkler	§ 5.2.1.4, §5.4.1.1	LO UZ.U 1.00 EF

HYDRAULIC NAMEPLATE

Only thing that is duplicated from Qrtly inspection

of each sprinkler to be in the cab	inet	
(8) Control Valves - (A) Operate it	ts full range & return to normal position §13.3.3.1	LS 02.01.35 EP 14
If a Post Indicator Valves (PIV)- (rod; then back off 1/4 turn to prev	Open until spring or torsion pressure is felt on §13.3.3.2 vent jambing	LS 02.01.35 EP 14

	ALL	CHECK P	OINTS ON THIS LIST MUST BE ON A VALID FORM (b	pest if form "Quotes" the co	de)
	NOT ON FORM	ON FORM	3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
Report Title:				Date of Report:	
(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Item CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any) Specific

SPARE SPRINKLERS & WRENCH

- Must have 2 for each sprinkler configuration used in building
- Total # depends on size of building
- Must have non-adj wrench(s) that fits all spares
- New installs: must have list on SIN

	(B) Is sign Legible	§5.2.8	LS 02.01.35 EP 14
	(7) Spares - (A) Checked for Min 2 for each style, deflector type, response time, temp range, orifice size, coating (if any) Must have the same sprinkler identification numbers (SINs)	§ 5.2.1.4; §5.4.1.1	LS 02.01.35 EP 14
	(B) Additional spares are required as follows: (1) Min 12 for facilities having 300 to 1000 sprinklers; (2) Min 24 for facilities having over 1000 sprinklers	§5.4.1.5	LS 02.01.35 EP 14
	(C) Wrench(s) nearby that fit all heads (Adjustable wrench not acceptable)	§5.4.1.6	LS 02.01.35 EP 14
	(D) Spare Sprinkler List - New installations after July 2016 must post in cabinet a dated spare sprinkler list that includes the SIN, general description & quantity of each sprinkler to be in the cabinet	§5.4.1.4.1	LS 02.01.35 EP 14
· · · · · · · · · · · · · · · · · · ·	(8) Control Valves - (A) Operate its full range & return to normal position	§13.3.3.1	LS 02.01.35 EP 14
	If a Post Indicator Valves (PIV)- Open until spring or torsion pressure is felt on rod; then back off 1/4 turn to prevent jambing	§13.3.3.2	LS 02.01.35 EP 14

	1 RASICS JST BE ON A VALID FORM (best if form	n "Ountes" the	code)
FORM	1. BASICS JST BE ON A VALID FORM (best if form JST BE ON A VALID FORM (best if form JST BE ON A VALID FORM (best if form	NFPA CODE NFPA 25-2011	TJC STD
Report Title:		Date of Report:	1014
	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit		; (D) Specific
	(2) Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 1
	(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 1
	(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 1
	(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 1
	(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 1
	(F) Deflector Orientation (generally required to be parallel to the ceiling)	§5.2.1.1	LS 02.01.35 EP 1
	(3) Sprinkler Obstruction - (A) Min clearance provided below	§5.2.1.2	LS 02.01.35 EP 1
	(4) Pipe, visible - (A) Checked for Leaks	§5.2.2	LS 02.01.35 EP 1
	(B) Corrosion	§5.2.2	LS 02.01.35 EP 1
	(C) External loads either resting on the pipe or hung from the pipe	§5.2.2.2	LS 02.01.35 EP 1
	(D) Good Condition	§5.2.2	LS 02.01.35 EP 1
	(E) Mechanical Damage	§5.2.2	LS 02.01.35 EP 1
	(5) Hangers, visible - (A) Checked for Damage	§5.2.3.1	LS 02.01.35 EP 1
	(B) Looseness	§5.2.3.1	LS 02.01.35 EP 1
	(6) Hydraulic Design Info Sign - (A) Attached to riser with durable method	§5.2.8	LS 02.01.35 EP 1
	(B) Is sign Legible	§5.2.8	LS 02.01.35 EP 1
	(7) Spares - (A) Checked for Min 2 for each style, deflector type, response time, temp range, orifice size, coating (if any) Must have the same sprinkler	§ 5.2.1.4; §5.4.1.1	LS 02.01.35 EP 1

CONTROL VALVES

Must operate each control valve full range of motion

of each sprinkler to be in the cabinet		
(8) Control Valves - (A) Operate its full range & return to normal position	§13.3.3.1	LS 02.01.35 EP 14
If a Post Indicator Valves (PIV)- Open until spring or torsion pressure is felt on rod; then back off 1/4 turn to prevent jambing	§13.3.3.2	LS 02.01.35 EP 14
(A) Record Initial psi	§ 10.2.5	E0.02.03.03 EF 03
(B) Record residual (flowing) psi	§13.2.5	EC.02.03.05 EP 09
(C) Record time to restore psi	§13.2.5	EC.02.03.05 EP 09
(D) Compared to previous Main Drain Test	§13.2.5.2	EC.02.03.05 EP 09
(E) Determine course/parrection if >100/, not help u full flow not from prior toot	813 2 5 2	EC 02 03 05 ED 00

1. BASICS

CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficiency		
(2) Sprinklers, visible - (A) Checked for signs of leakage	§5.2.1.1	LS 02.01.35 EP 14
(B) Foreign Mtl (dust or any other material)	§5.2.1.1	LS 02.01.35 EP 14
(C) Paint (any amount, if not placed by head mfr)	§5.2.1.1	LS 02.01.35 EP 14
(D) Corrosion (any amount)	§5.2.1.1	LS 02.01.35 EP 14
(E) Physical Damage	§5.2.1.1	LS 02.01.35 EP 14
(F) Deflector Orientation (generally required to be parallel to the ceiling)	§5.2.1.1	LS 02.01.35 EP 14
(3) Sprinkler Obstruction - (A) Min clearance provided below	§5.2.1.2	LS 02.01.35 EP 14
(4) Pipe, visible - (A) Checked for Leaks	§5.2.2	LS 02.01.35 EP 14
(B) Corrosion	§5.2.2	LS 02.01.35 EP 14
(C) External loads either resting on the pipe or hung from the pipe	§5.2.2.2	LS 02.01.35 EP 14
(D) Good Condition	§5.2.2	LS 02.01.35 EP 14
(E) Mechanical Damage	§5.2.2	LS 02.01.35 EP 14
(5) Hangers, visible - (A) Checked for Damage	§5.2.3.1	LS 02.01.35 EP 14
(B) Looseness	§5.2.3.1	LS 02.01.35 EP 14
(6) Hydraulic Design Info Sign - (A) Attached to riser with durable method	§5.2.8	LS 02.01.35 EP 14
(R) Is sign Legible	§ 5.2.8	LS 02 01 35 FP 14

MAIN DRAIN TEST

- Main Drain Test on EACH riser
- Must record 3 specified readings
- Must review readings against prior test

If a Post Indicator Valves (PIV)- Open until spring or torsion pressure is felt on rod; then back off 1/4 turn to prevent jambing	§13.3.3.2	LS 02.01.35 EP 14
(9) Main Drain Test, for EACH riser (A) Record Initial psi	§13.2.5	EC.02.03.05 EP 09
(B) Record residual (flowing) psi	§13.2.5	EC.02.03.05 EP 09
(C) Record time to restore psi	§13.2.5	EC.02.03.05 EP 09
(D) Compared to previous Main Drain Test	§13.2.5.2	EC.02.03.05 EP 09
(E) Determine cause/correction if >10% psi below full flow psi from prior test	§13.2.5.2	EC.02.03.05 EP 0

2. <u>"IFs"</u>

11 SUPPLIMENTAL CHECKPOINTS

The 2nd part of the inspection depends on what extra items are installed on the sprinkler sys, such as

- Back Flow Preventer
- Pressure Reducing Valve
- Freezing Condittions
- Dry Pipe System
- Preaction System

Best to have a place to check "Not Applicable" if not installed on the system. These items should never be left off the form, even if there are none in the building.

2. <u>"IFs"</u>

The	ese items	are onl	y inspected if pro	esent, but form should have space to indicate that item is n	ot present, i.e. n	ot applicable
NOT APPLIC	NOT ON FORM	ON FORM		3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011	TJC STD
			10) System PRV (§13.5.1.3	LS 02.01.35 EP 14
				est (to move valve from its seat)	040.004	10.00.04.05 ED.44
				emblies (if any) - (A) Conduct Forward-Flow Test at the	§13.6.2.1;	LS 02.01.35 EP 14
			designed flow rate	\/		
		-	Forward-Flow	YOUR EVALUATION)N	LS 02.01.35 EP 14
			inside hose sta			
			12) Bldg - prior			LS 02.01.35 EP 14
			13) Anti-Freeze			LS 02.01.35 EP 14
			(B) Checked re			LS 02.01.35 EP 14
			14) Dry/Preaction	Mark how your fo	rm	LS 02.01.35 EP 14
			Re: pipes that pi	Wark How your to	1111	
			bstructions whe	P 24 4		LS 02.01.35 EP 14
			15) Dry/Preaction or ovided) test at	complies with the c	:Ode	LS 02.01.33 EP 14
	-	- 1	(B) Auxiliary Dr	complice with the c	,040	LS 02.01.35 EP 14
			16) Dry/Preaction			LS 02.01.35 EP 14
			ot required), If the	for EACH code	<u> </u>	
			(B) Main drain			LS 02.01.35 EP 14
			(C) Sys air psi	roquiromont		LS 02.01.35 EP 14
			(D) T : . T	requirement		10.00.01.05.50.14
			(D) Tripping Tir	.		LS 02.01.35 EP 14
		-	valve trips) (E)Trip Test Re			LS 02.01.35 EP 14
			conducting the			EG 02.01.55 El 14
				Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2;	LS 02.01.35 EP 14
					§13.4.4.1.5	
			THE RESIDENCE OF THE PROPERTY	Low Air Pressure - (A) Test per mfr	§13.4.3.2.4	LS 02.01.35 EP 14
				ectors -(A) Condition of Detection Devices	§13.4.3.1.7	LS 02.01.35 EP 14
			20) Preaction Val	ve Manual Operator - (A) Operate actuation device	§13.4.3.2.9	LS 02.01.35 EP 14

↑ ↑ ↑ Mark One Box for Each Check Point

NOTE: If marked Not Applicable, it should STILL be on the form (best with a NA check box)

NOT	NOT ON	ON	3. SPRINKLER- ANNUAL	NFPA CODE
			(10) System PRV (if any) (A) Partial-Flow Test (to move valve from its seat)	§13.5.1.3
			(11) Backflow Assemblies (If any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1; §13.6.2.1.4
		<u>IF F</u>	HAVE A PRESSURE REDUCING VALVE	
— •	Sys	rare	ly have a pressure reducing valve, but if a	ny, \square
	they	mu:	st be tested	
			(Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area)	
			(15) Dry/Preaction Enclosure - (A) Low Temperature Alarm for heating sys (if provided) test at start of heating season	§13.4.3.1.2; §13.4.3.2.14
3			(B) Auxiliary Drains operated before onset of freezing conditions	§13.4.3.3.3
			(16) Dry/Preaction Valve - (A) Partial-Flow Trip Test (In yrs that full flow test is not required), If there's a quick-opening device that controls flow to the device	§13.4.3.2.4; §13.4.4.2.2.3
			(B) Main drain valve is fully opened to clear foreign material from pipes	§13.4.3.2.12
			(C) Sys air psi and supply water psi are recorded	§13.4.3.2.12; §13.4.4.2.2.3
			(D) Tripping Time - Recorded (Using a stop watch, records time that air psi valve trips)	§13.4.3.2.12; §13.4.4.2.2.3
3			(E)Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons)	§13.4.3.2.12; §13.4.4.2.2.3
			(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2; §13.4.4.1.5
			(18) Dry/Preaction Low Air Pressure - (A) Test per mfr	§13.4.3.2.4
1			(19) Preaction Detectors -(A) Condition of Detection Devices	813 4 3 1 7

NOT APPLIC	NOT ON FORM	ON FORM	3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011
			(10) System PRV (if any) (A) Partial-Flow Test (to move valve from its seat)	§13.5.1.3
			(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1; §13.6.2.1.4
			Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer	§13.6.2.1
		2	(12) Bldg - prior to winter - (A) Ck for Freeze Protection (13) Anti-Freeze Sys - (A) Recorded Specific Gravity	§4.1.1.1 §5.3.4
•	local Test	may utili requ	F HAVE BACKFLOW PREVENTOR have a BFP on incoming line when require ty lired if BFP is bypassed during the annual w test	2; 4
			(C) Sys air psi and supply water psi are recorded	§13.4.3.2.12; §13.4.4.2.2.3
3		3-2	(D) Tripping Time - Recorded (Using a stop watch, records time that air psi valve trips)	§13.4.3.2.12; §13.4.4.2.2.3
9			(E)Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons)	§13.4.3.2.12; §13.4.4.2.2.3
			(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2; §13.4.4.1.5
			(18) Dry/Preaction Low Air Pressure - (A) Test per mfr	§13.4.3.2.4 §13.4.3.1.7

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2. <u>"IFs"</u>

NOT APPLIC	NOT ON FORM	ON FORM	3. SPRINKLER- ANNUAL	NFPA CODE NFPA 25-2011
			(10) System PRV (if any)	§13.5.1.3
8	3		(A) Partial-Flow Test (to move valve from its seat) (11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the	§13.6.2.1;
i.e.			designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1.4
			Forward-Flow Test includes - (B) hose stream demand, where hydrants or incide hose stations are located downstream of the backflow preventer.	§13.6.2.1
			(12) Bldg - prior to winter - (A) Ck for Freeze Protection	§4.1.1.1
			(13) Anti-Freeze Sys - (A) Recorded Specific Gravity	90.0.4
			(B) Checked readings to code tables	§5.3.4.1
			(14) Dry/Preaction Ice Obstruction Inspection - (A) Internal inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice	§14.4
			obstructions where the piping enters the refrigerated area)	
F			Countries D. M. Contribution Management of Contribution of Con	2;
	Chor	ok fr	obstructions where the piping enters the refrigerated area) IF BLDG SUBJECT TO FREEZING	2; 4 3
-			obstructions where the piping enters the refrigerated area)	2; 4 3 4; .3
•	Chec		obstructions where the piping enters the refrigerated area) IF BLDG SUBJECT TO FREEZING	.3 12
•	freez	zing	obstructions where the piping enters the refrigerated area) IF BLDG SUBJECT TO FREEZING	ged if [3]
•	freez Must	zing t due	IF BLDG SUBJECT TO FREEZING eeze protection in portions of bldg subject to prior to freezing weather (may be challenge performed in other than late fall)	ged if [3] [2] [3] [2] [3] [2] [3]
•	freez Must	zing t due	IF BLDG SUBJECT TO FREEZING eeze protection in portions of bldg subject of prior to freezing weather (may be challent)	ged if 12 2; 3 2;
•	freez Must	zing t due	IF BLDG SUBJECT TO FREEZING eeze protection in portions of bldg subject prior to freezing weather (may be challenged) performed in other than late fall)	ged if 3 12 2; 3 2; 3 2; 3 2; 3 2; 3 2; 3 2; 3 2; 3 3 3 3 3 3 3 3 3

(19) Proaction Detectors (A) Condition of Detection Devices

APPLIC FORM FORM 3. SPRINKLER- ANNUAL NFPA 25-2011 [10] System PRV (if any) (A) Partial-Flow Test (to move valve from its seat) [11] Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device) Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer [12] Bldg - prior to winter - (A) Ck for Freeze Protection [13] Anti-Freeze Sys - (A) Recorded Specific Gravity (B) Checked readings to code tables [14] Dry/Preaction ice Obstruction inspection - (A) Internal inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) [15] HAVE ANTI-FREEZE SYSTEM Must measure & record specific gravity & compare to
(A) Partial-Flow Test (to move valve from its seat) (11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device) Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer (12) Bldg - prior to winter - (A) Ck for Freeze Protection \$4.1.1.1 (13) Anti-Freeze Sys - (A) Recorded Specific Gravity \$5.3.4 (B) Checked readings to code tables \$5.3.4.1 (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area)
(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device) Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer (12) Bldq - prior to winter - (A) Ck for Freeze Protection
designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device) Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer (12) Bldg - prior to winter - (A) Ck for Freeze Protection (13) Anti-Freeze Sys - (A) Recorded Specific Gravity (B) Checked readings to code tables (14) Dry/Preaction ice Obstruction Inspection - (A) Internal Inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM
demand to flow through the backflow preventer device) Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer (12) Bldg - prior to winter - (A) Ck for Freeze Protection (13) Anti-Freeze Sys - (A) Recorded Specific Gravity (B) Checked readings to code tables (B) Checked readings to code tables (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM
Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer (12) Bldg - prior to winter - (A) Ck for Freeze Protection \$4.1.1.1 (13) Anti-Freeze Sys - (A) Recorded Specific Gravity \$5.3.4 (B) Checked readings to code tables \$5.3.4.1 (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM
inside hose stations are located downstream of the backflow preventer (12) Bldg - prior to winter - (A) Ck for Freeze Protection (13) Anti-Freeze Sys - (A) Recorded Specific Gravity (B) Checked readings to code tables (B) Checked readings to code tables (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM
(12) Bldg - prior to winter - (A) Ck for Freeze Protection (13) Anti-Freeze Sys - (A) Recorded Specific Gravity (B) Checked readings to code tables (14) Dry/Preaction ice Obstruction Inspection - (A) Internal inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM
(13) Anti-Freeze Sys - (A) Recorded Specific Gravity (B) Checked readings to code tables (S5.3.4.1 (Internal inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM
(B) Checked readings to code tables (14) Dry/Preaction Ice Obstruction Inspection - (A) Internal Inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM
(Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM 2; 4 3
(Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM 2; 4 3
obstructions where the piping enters the refrigerated area) IF HAVE ANTI-FREEZE SYSTEM 4 3
IF HAVE ANTI-FREEZE SYSTEM 3
3
☐ • Must measure & record specific gravity & compare to
(C) Sys all psi and supply water psi are recorded \$13.4.3.2. 2; §13.4.2.2.3
(D) Tripping Time - Recorded (Using a stop watch, records time that air psi §13.4.3.2.12;
valve trips) §13.4.4.2.2.3
(E)Trip Test Records show date last tripped, individual & organization §13.4.3.2.12;
conducting the test (generally requires 2 persons) §13.4.4.2.2.3
(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned §13.4.3.3.2;
§13.4.4.1.5
(18) Dry/Preaction Low Air Pressure - (A) Test per mfr §13.4.3.2.4

2. <u>"IFs"</u>

(A) Partial-Plow Test (to move valve norm its seat)	
(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1; §13.6.2.1.4

IF HAVE DRY or PREACTION SYSTEM

7 extra checkpoints

(B) Checke	ed readings to code tables	§5.3.4.1
(Re: pipes th	action Ice Obstruction Inspection - (A) Internal inspection of piping at protects or passes through freezers or cold storage rooms for ice where the piping enters the refrigerated area)	§14.4
	action Enclosure - (A) Low Temperature Alarm for heating sys (if st at start of heating season	§13.4.3.1.2; §13.4.3.2.14
(B) Auxiliar	ry Drains operated before onset of freezing conditions	§13.4.3.3.3
	action Valve - (A) Partial-Flow Trip Test (In yrs that full flow test is , If there's a quick-opening device that controls flow to the device	§13.4.3.2.4; §13.4.4.2.2.3
(B) Main di	rain valve is fully opened to clear foreign material from pipes	§13.4.3.2.12
(C) Sys air	psi and supply water psi are recorded	§13.4.3.2.12; §13.4.4.2.2.3
(D) Trippin valve trips)	g Time - Recorded (Using a stop watch, records time that air psi	§13.4.3.2.12; §13.4.4.2.2.3
	st Records show date last tripped, individual & organization the test (generally requires 2 persons)	§13.4.3.2.12; §13.4.4.2.2.3
(17) Dry/Pre	action Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2; §13.4.4.1.5
(18) Dry/Pre	action Low Air Pressure - (A) Test per mfr	§13.4.3.2.4
(19) Preaction	on Detectors -(A) Condition of Detection Devices	§13.4.3.1.7
(20) Preaction	on Valve Manual Operator - (A) Operate actuation device	§13.4.3.2.9

2. <u>"IFs"</u>

(A) Partial-Flow Test (to move valve from its seat) (11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the	§13.6.2.1;
designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1.4
Campand Class Tast includes (D) have stream demand subsets budgents or	213 6 3 1

IF HAVE SPRINKLERS IN FREEZERS

Internal pipe inspection of pipes for freezers

(14) Dry/Preaction Ice Obstruction Inspection - (A) Internal inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area)	§14.4
provided) test at start of heating season	§13.4.3.1.2, §13.4.3.2.14
(B) Auxiliary Drains operated before onset of freezing conditions	§13.4.3.3.3
(16) Dry/Preaction Valve - (A) Partial-Flow Trip Test (In yrs that full flow test is not required), If there's a quick-opening device that controls flow to the device	§13.4.3.2.4; §13.4.4.2.2.3
(B) Main drain valve is fully opened to clear foreign material from pipes	§13.4.3.2.12
(C) Sys air psi and supply water psi are recorded	§13.4.3.2.12; §13.4.4.2.2.3
(D) Tripping Time - Recorded (Using a stop watch, records time that air psi valve trips)	§13.4.3.2.12; §13.4.4.2.2.3
(E)Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons)	§13.4.3.2.12; §13.4.4.2.2.3
(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2; §13.4.4.1.5
(18) Dry/Preaction Low Air Pressure - (A) Test per mfr	§13.4.3.2.4
(19) Preaction Detectors -(A) Condition of Detection Devices	§13.4.3.1.7
(20) Preaction Valve Manual Operator - (A) Operate actuation device	§13.4.3.2.9

2. <u>"IFs"</u>

(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the	§13.6.2.1;
designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1.4
Commend Class Took includes (D) have attracted demand substracted as	213 6 2 1

IF HAVE ENCLOSURE SUJECT TO FREEZING

- Sometimes valves are located where it freezes
- Check low temp alarm & drain operation

	obstructions where the piping enters the refrigerated area)	
	(15) Dry/Preaction Enclosure - (A) Low Temperature Alarm for heating sys (if provided) test at start of heating season	§13.4.3.1.2; §13.4.3.2.14
	(B) Auxiliary Drains operated before onset of freezing conditions	§13.4.3.3.3
	(16) <u>Dry/Preaction Valve</u> - (A) Partial-Flow Trip Test (In yrs that full flow test is not required), If there's a quick-opening device that controls flow to the device	§13.4.3.2.4; §13.4.4.2.2.3
8	(B) Main drain valve is fully opened to clear foreign material from pipes	§13.4.3.2.12
	(C) Sys air psi and supply water psi are recorded	§13.4.3.2.12 §13.4.4.2.2.3
	(D) Tripping Time - Recorded (Using a stop watch, records time that air psi valve trips)	§13.4.3.2.12 §13.4.4.2.2.3
	(E)Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons)	§13.4.3.2.12 §13.4.4.2.2.3
	(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2 §13.4.4.1.5
	(18) Dry/Preaction Low Air Pressure - (A) Test per mfr	§13.4.3.2.4
	(19) Preaction Detectors -(A) Condition of Detection Devices	§13.4.3.1.7
	(20) Preaction Valve Manual Operator - (A) Operate actuation device	§13.4.3.2.9

	(A) Faitiai-Flow rest (to move valve norm is seat)	
	(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the	§13.6.2.1;
	designed flow rate (Not required if annual fire pump test causes the system	§13.6.2.1.4
	demand to flow through the backflow preventer device)	3.50
1	Forward-Flow Test includes - (B) hose stream demand, where hydrants or	§13.6.2.1
	inside hose stations are located downstream of the backflow preventer	
	(12) Bldg - prior to winter - (A) Ck for Freeze Protection	§4.1.1.1
	(13) Anti-Freeze Sys - (A) Recorded Specific Gravity	§5.3.4
• Par	IF HAVE QUICK-OPENING DEVICE tial Flow Trip Test, with specific records	
	(15) Dry/Preaction Enclosure - (A) Low Temperature Alarm for heating sys (If	913.4.3.1.2
	provided) test at start of heating season (B) Auxiliary Drains operated before enset of freezing conditions	§13.4.3.2.14
	(16) Dry/Preaction Valve - (A) Partial-Flow Trip Test (In yrs that full flow test is	§13.4.3.2.4
	not required), If there's a quick-opening device that controls flow to the device	§13.4.4.2.2.3
3 3	(B) Main drain valve is fully opened to clear foreign material from pipes	§13.4.3.2.1
A 23.	(C) Sys air psi and supply water psi are recorded	§13.4.3.2.12
30		§13.4.4.2.2.3
	(D) Tripping Time - Recorded (Using a stop watch, records time that air psi	§13.4.3.2.12
	valve trips)	§13.4.4.2.2.3
	(E)Trip Test Records show date last tripped, individual & organization	§13.4.3.2.12
9.00	conducting the test (generally requires 2 persons)	§13.4.4.2.2.3
	(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	913.4.3.3.2
		§13.4.4.1.5
	(18) Dry/Preaction Low Air Pressure - (A) Test per mfr	§13.4.3.2.4
	(19) Preaction Detectors -(A) Condition of Detection Devices	§13.4.3.1.7

W 10	<u>.</u>	(A) Fattiai-Flow Test (to move valve norms seat)	
		(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the designed flow rate (Not required if annual fire pump test causes the system demand to flow through the backflow preventer device)	§13.6.2.1; §13.6.2.1.4
		Forward-Flow Test includes - (B) hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer	§13.6.2.1
		(12) Bldg - prior to winter - (A) Ck for Freeze Protection	§4.1.1.1
		(13) Anti-Freeze Sys - (A) Recorded Specific Gravity	§5.3.4
		(B) Checked readings to code tables	§5.3.4.1
		(14) Dry/Preaction Ice Obstruction Inspection - (A) Internal inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area)	§14.4
		(15) Dry/Preaction Enclosure - (A) Low Temperature Alarm for heating sys (if provided) test at start of heating season	§13.4.3.1.2; §13.4.3.2.14
		(B) Auxiliary Drains operated before onset of freezing conditions	§13.4.3.3.3
		(16) Dry/Preaction Valve - (A) Partial-Flow Trip Test (In yrs that full flow test is not required), If there's a quick-opening device that controls flow to the device	§13.4.3.2.4; §13.4.4.2.2.3
		north equilibrium suppliming devices disks contact the disk devices	312
• C	lean in	IF HAVE DRY/PREACTION VALVE terior of valve	12 12; 2.3 12; 2.3
• C	Clean in	IF HAVE DRY/PREACTION VALVE	12; 12; 2.3 12; 2.3
• C	Clean in	IF HAVE DRY/PREACTION VALVE terior of valve (E)Trip Test Records show date last tripped, individual & organization	12 12; 3.12; 12; 13.4.3.2.12;
- C	Clean in	IF HAVE DRY/PREACTION VALVE terior of valve (E)Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons)	\$13.4.3.2.12; \$13.4.4.2.2.3 \$13.4.3.3.2;
• C	Clean in	IF HAVE DRY/PREACTION VALVE terior of valve (E)Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons) (17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	\$13.4.3.2.12; \$13.4.4.2.2.3 \$13.4.4.1.5

100	(A) Faitial-Flow Test (to move valve nomits seat)	
	(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the	§13.6.2.1;
	designed flow rate (Not required if annual fire pump test causes the system	§13.6.2.1.4
	demand to flow through the backflow preventer device)	0.40.00.4
	Forward-Flow Test includes - (B) hose stream demand, where hydrants or	§13.6.2.1
	inside hose stations are located downstream of the backflow preventer	
	(12) Bldg - prior to winter - (A) Ck for Freeze Protection	§4.1.1.1
	(13) Anti-Freeze Sys - (A) Recorded Specific Gravity	§5.3.4
	(B) Checked readings to code tables	§5.3.4.1
	(14) Dry/Preaction Ice Obstruction Inspection - (A) Internal inspection of piping (Re: pipes that protects or passes through freezers or cold storage rooms for ice obstructions where the piping enters the refrigerated area)	§14.4
*	(15) Dry/Preaction Enclosure - (A) Low Temperature Alarm for heating sys (if provided) test at start of heating season	§13.4.3.1.2; §13.4.3.2.14
	(B) Auxiliary Drains operated before onset of freezing conditions	§13.4.3.3.3
	(16) Dry/Preaction Valve - (A) Partial-Flow Trip Test (In yrs that full flow test is	§13.4.3.2.4;
	not required), If there's a quick-opening device that controls flow to the device	§13.4.4.2.2.3
_	not required), If there's a quick-opening device that controls flow to the device (B) Main drain valve is fully opened to clear foreign material from pines	§13.4.4.2.2.3
•	IF LOW AIR PRESSURE ALARM Test per manufacturer	813 4 3 2 12 2 .3 2 .3
•	IF LOW AIR PRESSURE ALARM	813 4 3 2 12 2 .3 2 .3 813.4.3.2.12
•	(E) Main drain valve is fully opened to clear foreign material from pines IF LOW AIR PRESSURE ALARM Test per manufacturer (E) Frip Test Records show date last tripped, individual & organization	\$13.4.3.2.12 2 .3 2 .3 §13.4.3.2.12 §13.4.4.2.2.3
•	Test per manufacturer (E) Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons) (17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	\$13.4.3.2.12 \$13.4.3.2.12 \$13.4.3.2.23 \$13.4.3.3.2; \$13.4.3.3.2;
- -	Test per manufacturer (E) Trip Test Records show date last tripped, individual & organization conducting the test (generally requires 2 persons) (17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	9.400

1 8	g ()	(A) Faitiai-Flow rest (to move valve norm its seat)	
		(11) Backflow Assemblies (if any) - (A) Conduct Forward-Flow Test at the	§13.6.2.1;
		designed flow rate (Not required if annual fire pump test causes the system	§13.6.2.1.4
		demand to flow through the backflow preventer device)	
		Forward-Flow Test includes - (B) hose stream demand, where hydrants or	§13.6.2.1
		inside hose stations are located downstream of the backflow preventer	
		(12) Bldg - prior to winter - (A) Ck for Freeze Protection	§4.1.1.1
		(13) Anti-Freeze Sys - (A) Recorded Specific Gravity	§5.3.4
		(B) Checked readings to code tables	§5.3.4.1
		(14) Dry/Preaction Ice Obstruction Inspection - (A) Internal inspection of piping	§14.4
		(Re: pipes that protects or passes through freezers or cold storage rooms for ice	
re-	72 C)	obstructions where the piping enters the refrigerated area)	
		(15) Dry/Preaction Enclosure - (A) Low Temperature Alarm for heating sys (if	§13.4.3.1.2;
8	30	provided) test at start of heating season	§13.4.3.2.14
		(B) Auxiliary Drains operated before onset of freezing conditions	§13.4.3.3.3
		(16) Dry/Preaction Valve - (A) Partial-Flow Trip Test (In yrs that full flow test is	§13.4.3.2.4;
		not required), If there's a quick-opening device that controls flow to the device	§13.4.4.2.2.3
		(R) Main drain valve is fully opened to clear foreign material from pines	<u>813 4 3 2 </u> 12
		IF HAVE PREACTION SYS	2; .3
•	Ched	ck condition of smoke detectors	2; .3
•	Opei	rate Preaction manual operator	2; .3
		(17) Dry/Preaction Valve - (A) Interior thoroughtly cleaned	§13.4.3.3.2; §13.4.4.1.5
		(18) Dry/Preaction Low Air Pressure - (A) Test per mfr	§13.4.3.2.4
		(19) Preaction Detectors -(A) Condition of Detection Devices	§13.4.3.1.7
		(20) Preaction Valve Manual Operator - (A) Operate actuation device	§13.4.3.2.9



TOOLS for REVIEW of

Inspection Documentation

4. Monthly Generator

ONE PART OF THE REVIEW

Mo. Generator Doc Review

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID F		
F	TON ON FORM 5. GENERATOR EXERCISE - MONTHLY	NFPA CODE NFPA 110-2010	
oort tle:		Date of Report:	
	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemize CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any de		(D) Specific
	 (2) <u>Properly instructed individuals</u> must oversee the routine maintenance and operational testing program 	§8.4.8	LS.02.01.70 EP (
	(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days; EPSSs, including all appurtenant components, shall be exercised under load at least monthly;	§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A;	EC.02.05.07 EP
	(3) Start-Up: (A) Load tests of generator sets shall include complete cold starts	§8.4.4	LS.02.01.70 EP (
	(B) Initiated by simulating a power outage by either: (a) Using the test switch(es) on the ATSs, or (b) By opening a normal breaker	§8.3.2.1;§ 8.4.3	LS.02.01.70 EP (
	The 10-second start criterion shall not apply during the monthly generator test; If the 10-second criterion is not met during the monthly test, an <u>annual test</u> must confirm the capability of the life safety & critical branches start within 10 sec	NFPA 99-2012, §6.4.4.1.1.2	LS.02.01.70 EP (
	(4) <u>Duration</u> - must be exercised for at least 30 min under (A) <u>Diesel generator</u> . Use any of the following load criteria:	§8.4.2	EC.02.05.07 EP
	(a) Loading that maintains the minimum exhaust gas temperatures as recommended by the manufacturer, or (b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Annual Load Bank (see separate test document) and exercised monthly under the available load	§8.4.2; §8.4.2.3	EC.02.05.07 EP
	(B) <u>Spark-ignited generator</u> (ie. Natural gas/propane) Use any of the following load criteria:	§8.4.2.4	EC.02.05.07 EP
	(a) Available EPSS Load or (b) Until the water temperature and the oil pressure have stabilized	§8.4.2.4	EC.02.05.07 EP
	(5) <u>Battery Electrolyte Condition</u> - Monthly, Must either a). measure & record spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1	LS.02.01.70 EP
	(6) <u>Transfer Switch Tes</u> t - (A) Must operate every automatic and manual transfe switch each month. Transfer shall consist of electrically operating the transfer switch from the standard position to the alternate position and then a return to the standard position	§8.4.6.1	LS.02.01.70 EP
	(7) <u>Time-Delays</u> : (A) Must have a minium 1 second Time delay on start	§8.4.5(1)	LS.02.01.70 EP
	(B) Must have a minium 5 minute Time delay on shut-down (Cool-Down)	§8.4.5(4)	LS.02.01.70 EP (

Part 1 - Basics

Inspect ALL rated sys for these items

7 BASIC CHECKPOINTS

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FO	RM	
	FORM FORM 3. GENERATOR EXERCISE - MONTHLY	NFPA 110-2010	TJC STD
Report Title:		Date of Report:	
-	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized L CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit		(D) Specific
	(2) <u>Properly instructed individuals</u> must oversee the routine maintenance and operational testing program	§8.4.8	LS.02.01.70 EP 04
	(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days; EPSSs, including all appurtenant components, shall be exercised under load at least monthly;	§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A;	EC.02.05.07 EP 04
•	(3) <u>Start-Up</u> : (A) Load tests of generator sets shall include complete cold starts	§8.4.4	LS.02.01.70 EP 04
	Quote the Code		02.01.70 EP 04 02.05.07 EP 04 02.05.07 EP 05
	(b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Annual Load Bank (see separate test document) and exercised monthly under the available load		
	(B) <u>Spark-ignited generator</u> (ie. Natural gas/propane) Use any of the following load criteria:	§8.4.2.4	EC.02.05.07 EP 04
	(a) Available EPSS Load or (b) Until the water temperature and the oil pressure have stabilized	§8.4.2.4	EC.02.05.07 EP 05
	(5) <u>Battery Electrolyte Condition</u> - Monthly, Must either a). measure & record spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1	LS.02.01.70 EP 04

	ALL CHECK POINTS ON THIS LIST MUST BE	ON A VALID FO)RM	
NOT ON FORM	ON 5. GENERATOR EXERCISE - MONT		NFPA CODE NFPA 110-2010	TJC STD
Report Title:			Date of Report:	
	(1). Report contains (A) WHO did inspection; (B) WHEN performance (E) RESULTS of each checkpoint & (F) Doc		LIST of devices; ciency	(D) Specific
	(2) Properly instructed individuals must oversee the routine operational testing program	maintenance and	§8.4.8	LS.02.01.70 EP 04
	(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days;		§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A;	EC.02.05.07 EP 04
	CODE REFERENCES	te cold starts	§8.4.4	LS.02.01.70 EP 04
			§8.3.2.1;§ 8.4.3	LS.02.01.70 EP 04
H	Show where	enerator test;	NFPA 99-2012, §6.4.4.1.1.2	LS.02.01.70 EP 04
H	requirement	art within 10	§8.4.2	EC.02.05.07 EP 04
\Box	comes from	res as	§8.4.2; §8.4.2.3	EC.02.05.07 EP 05
		1 30% of the		
	under the available load	sed monthly		
	(B) <u>Spark-ignited generator</u> (ie. Natural gas/propane) Use a load criteria:	any of the following	§8.4.2.4	EC.02.05.07 EP 04
	(a) Available EPSS Load or (b) Until the water temperature and the oil pressure have significant.	tabilized	§8.4.2.4	EC.02.05.07 EP 05
	(5) <u>Battery Electrolyte Condition</u> - Monthly, Must either a). m spec gravity of each cell, or b). Perform battery conductance to	easure & record	§8.3.7.1	LS.02.01.70 EP 04

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FO	DRM	
NOT ON ON	5. GENERATOR EXERCISE - MONTHLY	NFPA CODE	
Report Title:		Date of Report:	
	<u>CHECKPOINTS</u> ; (E) <u>RESULTS</u> of each checkpoint & (F) Doc <u>REPAIR</u> of any defi	<u>LLET</u> of devices; ciency	(D) Specifie
	(2) <u>Properly instructed individuals</u> must oversee the routine maintenance and operational testing program	§8.4.8	LS.02.01.70 EP 04
	(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days; EPSSs, including all appurtenant components, shall be exercised under load at least monthly;	§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A;	EC.02.05.07 EP 04
	TITLE OF REPORT	§8.4.4	LS.02.01.70 EP 04
	(if reviewing a completed report)	§8.3.2.1;§ 8.4.3	LS.02.01.70 EP 04
		NFPA 99-2012, §6.4.4.1.1.2	LS.02.01.70 EP 04
	Identify What YOU	§8.4.2	EC.02.05.07 EP 04
	call this Report	§8.4.2; §8.4.2.3	EC.02.05.07 EP 05
	&		
	Date of Report	§8.4.2.4	EC.02.05.07 EP 04
		§8.4.2.4	EC.02.05.07 EP 05
	(5) spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1	LS.02.01.70 EP 04

Mo. Generator Doc Review

_		ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FO	RM	
	NOTON ON FORM FORM	5. GENERATOR EXERCISE - MONTHLY	NFPA CODE NFPA 110-2010	TJC STD
Report Title:			Date of Report:	
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defic		(D) Specific
		YOUR EVALUATION YOUR EVALUATION YOUR EVALUATION YOUR EVALUATION YOUR EVALUATION YOUR EVALUATION Mark how your form (a) Using the (b) By oper The 10-secon lf the 10-secon must confirm sec (A) Duration - (A) Diesel ge (a) Loading recommend (b) Under on	n 4.3	LS.02.01.70 EP 04 EC.02.05.07 EP 04 LS.02.01.70 EP 04 LS.02.01.70 EP 04 EC.02.05.07 EP 04 EC.02.05.07 EP 05
		EPS namep (c) Annual Load Bank (see separate test document) and exercised monthly under the available load		
		(B) <u>Spark-ignited generator</u> (ie. Natural gas/propane) Use any of the following load criteria:	§8.4.2.4	EC.02.05.07 EP 04
		(a) Available EPSS Load or (b) Until the water temperature and the oil pressure have stabilized	§8.4.2.4	EC.02.05.07 EP 05
		(5) <u>Battery Electrolyte Condition</u> - Monthly, Must either a). measure & record spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1	LS.02.01.70 EP 04

↑ ↑ Mark One Box for Each Check Point

Mo. Generator Doc Review 7 BASIC CHECKPOINTS

			ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FO	RM	
	NOT ON FORM	ON FORM	5. GENERATOR EXERCISE - MONTHLY	NFPA CODE NFPA 110-2010	TJC STD
Report Title:				Date of Report:	
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defi		(D) Specific
			(2) Properly instructed individuals must oversee the routine maintenance and operational testing program	§8.4.8	LS.02.01.70 EP 04
			(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days; EPSSs, including all appurtenant components, shall be exercised under load at least monthly;	§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A;	EC.02.05.07 EP 04
		7	(3) <u>Start-Up</u> : (A) Load tests of generator sets shall include complete cold starts	§8.4.4	LS.02.01.70 EP 04
			(R) Initiated by simulating a nower outage by either:	883218843	LS 02 01 70 FP 04

KEY DOCUMENT ELEMENTS

Who, When, List, Checkpoints, Results & Repairs are KEY elements of EVERY inspection document

(a) Loading that maintains the minimum exhaust gas temperatures as recommended by the manufacturer, or (b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Annual Load Bank (see separate test document) and exercised monthly	§8.4.2; §8.4.2.3	EC.02.05.07 EP 05
under the available load (B) <u>Spark-ignited generator</u> (ie. Natural gas/propane) Use any of the following load criteria:	§8.4.2.4	EC.02.05.07 EP 04
(a) Available EPSS Load or (b) Until the water temperature and the oil pressure have stabilized	§8.4.2.4	EC.02.05.07 EP 05
(5) <u>Battery Electrolyte Condition</u> - Monthly, Must either a). measure & record spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1	LS.02.01.70 EP 04
	00 4 0 00 0 0 4	10 00 01 70 50 04

	NOT ON FORM	ON FORM	5. GENERATOR EXERCISE - MONTHLY	NFPA CODE NFPA 110-2010
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit	
			(2) Properly instructed individuals must oversee the routine maintenance and operational testing program	§8.4.8
			(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days; EPSSs, including all appurtenant components, shall be exercised under load at least monthly;	§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A:
			INSPECTOR QUALIFICATIONS	
•	Can k	oe p	erformed by qualified in-house staff	
			(b) By opening a normal breaker	
			The 10-second start criterion shall not apply during the monthly generator test; If the 10-second criterion is not met during the monthly test, an <u>annual test</u> must confirm the capability of the life safety & critical branches start within 10 sec	NFPA 99-2012, §6.4.4.1.1.2
			(4) <u>Duration</u> - must be exercised for at least 30 min under (A) <u>Diesel generator.</u> Use any of the following load criteria:	§8.4.2
			(a) Loading that maintains the minimum exhaust gas temperatures as recommended by the manufacturer, or (b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Annual Load Bank (see separate test document) and exercised monthly under the available load	§8.4.2; §8.4.2.3
			(B) <u>Spark-ignited generator</u> (ie. Natural gas/propane) Use any of the following load criteria:	§8.4.2.4
			(a) Available EPSS Load or	§8.4.2.4

	NOT ON FORM	ON FORM	5. GENERATOR EXERCISE - MONTHLY	NFPA CODE NFPA 110-2010
Report Title:				Date of Report:
			(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit	
			(2) Properly instructed individuals must oversee the routine maintenance and operational testing program	§8.4.8
			(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days; EPSSs, including all appurtenant components, shall be exercised under load at least monthly;	§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A;
			(3) <u>Start-Up</u> : (A) Load tests of generator sets shall include complete cold starts	§8.4.4
			(B) Initiated by simulating a nower outage by either:	883218843
•	"Mon	th" r	FREQUENCY nas Flexibility: 20-40 days apart must confirm the capability of the life safety & critical branches start within 10	
•	"Mon [·]	th" h	FREQUENCY has Flexibility: 20-40 days apart	§8.4.2
	"Mon	th" h	FREQUENCY nas Flexibility: 20-40 days apart must confirm the capability of the life safety & critical branches start within 10 sec (4) <u>Duration</u> - must be exercised for at least 30 min under	
	"Mon	th" h	FREQUENCY as Flexibility: 20-40 days apart must confirm the capability of the life safety & critical branches start within 10 sec (4) Duration - must be exercised for at least 30 min under (A) Diesel generator. Use any of the following load criteria: (a) Loading that maintains the minimum exhaust gas temperatures as recommended by the manufacturer, or (b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Annual Load Bank (see separate test document) and exercised monthly	§8.4.2

	1. BASICS Mo. Generator Doc Revie	W
	FORM FORM J. SLIVER TOR EXERCISE - MONTHLY	NFPA CODE NFPA 110-2010
Report Title:		Date of Report:
	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized L CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defici	(C)
	(2) <u>Properly instructed individuals</u> must oversee the routine maintenance and operational testing program	§8.4.8
	(3) <u>Test Interval</u> - minimum of 20 days; maximum of 40 days; EPSSs, including all appurtenant components, shall be exercised under load at least monthly;	§8.4.1 NFPA 99-2012 §6.4.4.1.1.4A;
	(3) <u>Start-Up</u> : (A) Load tests of generator sets shall include complete cold starts	§8.4.4
	(B) Initiated by simulating a power outage by either: (a) Using the test switch(es) on the ATSs, or (b) By opening a normal breaker	§8.3.2.1;§ 8.4.3
	The 10-second start criterion shall not apply during the monthly generator test; If the 10-second criterion is not met during the monthly test, an <u>annual test</u> must confirm the capability of the life safety & critical branches start within 10 sec	NFPA 99-2012, §6.4.4.1.1.2
لّے	(4) Diesel generator. Use any of the following load criteria:	§8.4.2

START OF TEST

- Must be a Cold Start
- Use ATS Test Switch or Turn off normal breaker
- Do NOT need to verify 10 sec start each month
- Annual verification of 10 sec start
 - (5) Battery Electrolyte Condition Monthly, Must either a). measure & record

Mo. Generator Doc Review

[1]. Report contains (A) WHO and inspection; (B) WHEN performed; (C)	:mized <u>LIST</u> of devices;
CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of	ny deficiency

(2) Properly instructed individuals must oversee the routine maintenance and §8.4.8

DURATION OF TEST & LOAD

- Depends on Type Generator
 - Diesel: for 30 min at 30% Nameplate KWH or min Exhaust Temp or Annual Load Bank
 - Natural Gas: Until reach operating temp & pressure at the available load

	992	
Г	(4) <u>Duration</u> - must be exercised for at least 30 min under (A) <u>Diesel generator.</u> Use any of the following load criteria:	§8.4.2
	(a) Loading that maintains the minimum exhaust gas temperatures as recommended by the manufacturer, or (b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Annual Load Bank (see separate test document) and exercised monthly under the available load	§8.4.2; §8.4.2.3
	(B) <u>Spark-ignited generator</u> (ie. Natural gas/propane) Use any of the following load criteria:	§8.4.2.4
	(a) Available EPSS Load or (b) Until the water temperature and the oil pressure have stabilized	§8.4.2.4
	(5) <u>Battery Electrolyte Condition</u> - Monthly, Must either a). measure & record spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1

		O(I)
Ī	(B) Initiated by simulating a power outage by either:	§8.3.2.1;§ 8.4.3
	(a) Using the test switch(es) on the ATSs, or	
L	(b) By opening a normal breaker	
	The 10-second start criterion shall not apply during the monthly generator test; If the 10-second criterion is not met during the monthly test, an <u>annual test</u>	NFPA 99-2012, §6.4.4.1.1.2
	must confirm the capability of the life safety & critical branches start within 10 sec	
	(4) Duration - must be exercised for at least 30 min under	§8.4.2

BATTERY INSPECTION

- Choice of method:
 - Specific Gravity of each cell (must record)
 - Measure Battery Conductance

load criteria:	
(a) Available EPSS Load or (b) Until the water temperature and the oil pressure have stabilized	§8.4.2.4
(5) Battery Electrolyte Condition - Monthly, Must either a). measure & record spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1
(6) <u>Transfer Switch Tes</u> t - (A) Must operate every automatic and manual transfer switch each month. Transfer shall consist of electrically operating the transfer switch from the standard position to the alternate position and then a return to the standard position	§8.4.6; §8.3.2.1; §8.4.6.1
(7) <u>Time-Delays</u> : (A) Must have a minium 1 second Time delay on start	§8.4.5(1)
(B) Must have a minium 5 minute Time delay on shut-down (Cool-Down)	§8.4.5(4)

.3

Mo. Generator Doc Review

(B) Initiated by simulating a power outage by either:(a) Using the test switch(es) on the ATSs, or(b) By opening a normal breaker	§8.3.2.1;§ 8.4.3
The 10-second start criterion shall not apply during the monthly generator test; If the 10-second criterion is not met during the monthly test, an <u>annual test</u> must confirm the capability of the life safety & critical branches start within 10 sec	NFPA 99-2012, §6.4.4.1.1.2
 (4) <u>Duration</u> - must be exercised for at least 30 min under (A) <u>Diesel generator.</u> Use any of the following load criteria: 	§8.4.2
(a) Loading that maintains the minimum exhaust gas temperatures as recommended by the manufacturer, or (b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Appual Load Bank (see separate test document) and exercised monthly	§8.4.2; §8.4.2.3

Operate all Transfer Switches (manual & automatic)

Т	(b) Until the water temperature and the oil pressure have stabilized	
	(5) Battery Electrolyte Condition - Monthly, Must either a). measure & record spec gravity of each cell, or b). Perform battery conductance testing	§8.3.7.1
	(6) <u>Transfer Switch Tes</u> t - (A) Must operate every automatic and manual transfer switch each month. Transfer shall consist of electrically operating the transfer switch from the standard position to the alternate position and then a return to the standard position	§8.4.6; §8.3.2.1; §8.4.6.1
Ī	(7) <u>Time-Delays</u> : (A) Must have a minium 1 second Time delay on start	§8.4.5(1)
	(B) Must have a minium 5 minute Time delay on shut-down (Cool-Down)	§8.4.5(4)

Mo. Generator Doc Review

(B) Initiated by simulating a power outage by either:(a) Using the test switch(es) on the ATSs, or(b) By opening a normal breaker	§8.3.2.1;§ 8.4.3
The 10-second start criterion shall not apply during the monthly generator test; If the 10-second criterion is not met during the monthly test, an <u>annual test</u> must confirm the capability of the life safety & critical branches start within 10 sec	NFPA 99-2012, §6.4.4.1.1.2
 (4) <u>Duration</u> - must be exercised for at least 30 min under (A) <u>Diesel generator</u>. Use any of the following load criteria: 	§8.4.2
(a) Loading that maintains the minimum exhaust gas temperatures as recommended by the manufacturer, or (b) Under operating temperature conditions and at not less than 30% of the EPS nameplate kW rating, or (c) Appual Load Bank (see separate test document) and exercised monthly	§8.4.2; §8.4.2.3

TIME DELAYS

Document Start-up & Shut-down Time Delays

(b) Until the water temperature and the oil pressure have stabilized	
(5) Battery Electrolyte Condition - Monthly, Must either a). measure & record	§8.3.7.1
spec gravity of each cell, or b). Perform battery conductance testing	
(6) <u>Transfer Switch Tes</u> t - (A) Must operate every automatic and manual transfer switch each month. Transfer shall consist of electrically operating the transfer switch from the standard position to the alternate position and then a return to the standard position	§8.4.6; §8.3.2.1; §8.4.6.1
(7) <u>Time-Delays</u> : (A) Must have a minium 1 second Time delay on start	§8.4.5(1)
(B) Must have a minium 5 minute Time delay on shut-down (Cool-Down)	§8.4.5(4)



TOOLS for REVIEW of

Inspection Documentation

5. Annual FIRE ALARM

The BIGGEST of all Reports!

4 Pages of Requirements!

TWO PARTS OF THE REVIEW

Report Title:

Annual Fire A Doc Review

		Date of Report:	
NOTON ON FORM FORM	4. FIRE ALARM - ANNUAL	NFPA CODE NFPA 72-2011	TJC STD
	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficit		(D) Specific
	NFPA 72 Frequency Definitions (use ONLY for FA) Weekly = 52 per year, once per calendar week Monthly = 12 per year, once per calendar month Quarterly = 4 per year, min 2 months, max 4 months Semiannual = 2 per year, min 4 months, max 8 months Annual = 1 per year, min 9 months, max 15 months	3.3.106	LS 02.01.34 E
	(2) Control Panels - Visual - (A) Fuses, for appearance, Condition, Damage, Proper installation	Table 14.3.1(1a)	LS 02.01.34 E
	(B) Lamps, LEDs	Table 14.3.1(1c)	LS 02.01.34 E
	(C) Primary Power Supplies, for physical condition, Noise, Heat, Corrosion at terminals	Table 14.3.1(1d)	LS 02.01.34 E
	(3) Transient Suppressors - (A) Visual - per mfr recommendations & after any lightning strike	Table 14.3.1(4) Method: Table 14.4.2.2(9)	LS 02.01.34 E
	[4] Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, supervisory, and trouble signals (inputs) (b) operation of evacuation signals and auxiliary functions (outputs) (c) circuit supervision, including detection of open circuits and ground faults (d) power supply supervision for detection of loss of ac	Table 14.4.5(1a) Method: Table 14.4.2.2(1a)	LS 02.01.34 E
	power and disconnection of secondary batteries (e) Input/output control equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)		NOT ON O
	(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1) Method: Table 14.4.2.2(1b)	
	(C) <u>Lamps</u> . LEDs - Illuminated (D) <u>Primary Power Supplies</u> - (a) Disconnect all secondary power; (b) Test under maximum load (including all alarm appliances requiring simultaneous operation)	Table 14.4.5(1) Table 14.4.5(1) Method: Table 14.4.2.2(1e)	
	(E) <u>Secondary Power Supplies</u> - (a) Disconnect all primary power, (b) Verify trouble signal for loss of primary power, (c) Measure standby and alarm current demand & verify vs mfr data to meet standby and alarm requirements; (d) Operate general alarm systems for min 5 minutes; (e) Operate emerg voice comm sys min 15 minutes	Table 14.4.5(5 Method: Table 14.4.2.2(3)	
	(F) <u>Transponders</u>	Table 14.4.5(1	
	(G) <u>Trouble Signals</u> : (a) Verify Audible and visual Operation & ring-back feature for systems using a trouble-silencing switch that requires resetting. (b) Test each Disconnect switches (if any) for performance of intended function & receipt of trouble signal when a supervised function is disconnected (c) Verify indication of Ground-fault monitoring (if any) by grounding any conductor location (d) Activate an Initiating device and verify receipt of alarm signal at the off-	Table 14.4.5(§ Method: Table 14.4.2.2(10)	
- 1	premises location		

(e) Create a trouble condition & verify receipt of trouble signal at the off-

(f) Activate a supervisory device & verify receipt of supervisory signal at the off premises location (g) if a transmission carrier is capable of operation under a single- or multiplefault condition, Activate an initiating device during a fault condition & verify receipt of both a trouble and alarm signal at the off-premises location

premises location

Part 1 - Basics

Inspect ALL rated sys for these items

9 BASIC CHECKPOINTS

NOTON ON FORM FORM	4. FIRE ALARM - ANNUAL	NFPA CODE NFPA 72-2011	TJC STD
7 3 (11)	(5) Batteries	NISSAW P202011	100.015
	If Lead-Acid: (A) Charger Test - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries (2) Verify voltage is min 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6a)(1) Method: Table 14.4.2.2(6b)1	LS 02.01.34 EP 04
	if Sealed Lead Acid: (A) Charger Test - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries; (2) Verify voltage is 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6d)(1) Method: Table 14.4.2.2(6d)1	LS 02.01.34 EP 0
	(B) <u>Discharge Test</u> (30 min) - (1) Disconnect charger; (2) Load test per mfr, (3) Voltage remains above fmfr recommendation	NFPA 72-2010, Table 14.4.5(6d)(2) Method: Table 14.4.2.2(6d)	LS 02.01.34 EP 0
	[6] Special Procedures - (A) Alarm verification - Verify Time delay and alarm response for smoke detector circuits	Table 14.4.5(23) Method: Table 14.4.2.2(25a)	LS 02.01.34 EP 0
	[7] Supervisory Station Transmitter - Test - per mfr instructions; (A) Actuate Initiating device & verity receipt within 90 sec of the correct initiating device signal at the supervising station	Table 14.4.5(22) Method: Table 14.4.2.2(18)	LS 02.01.34 EP 0
	(8) Initiating Devices:	W	E0 00 00 05 E0 0
	(A) Manual Fire Alarm Boxes (B) Smoke Detectors (Functional Test) - per mfr instr; Smoke must enter sensing chamber & activate alarm	Table 14.4.5(15f) Table 14.4.5(15h) Method: Table 14.4.2.2(14g)	EC.02.03.05 EP 0
	(C) Smoke Alarms - per mgr recommendation	Table 14.4.5(15j)	EC.02.03.05 EP 0
	(D) <u>Duct Detectors</u> - per mfr recommendation, (a) Smoke must enter sensing chamber 8 activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr recommendation	Table 14.4.5(15a) Method: Table 14.4.2.2(14g)(6)	EC.02.03.05 EP 0
	(E) Heat Alarms - per mgr recommendation	Table 14.4.5(15k)	EC.02.03.05 EP 0
	(F) Heat Detectors - per mfr recommendations	Table 14.4.5(15e)	EC.02.03.05 EP 0
	(G) Radiant Energy Fire Detectors - per mfr recommendations	Table 14.4.5(15g) Method: Table 14.4.2.2(14f)	EC.02.03.05 EP 0
	(H) <u>ElectroMech Release Devices</u> - Remove fusible link & verify operation of the device. Lube any moving parts as necessary	Table 14.4.5(15b) Method: Table 14.4.2.2(14a)	EC.02.03.05 EP 0
	(i) <u>Supression Switches</u> - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit	Table 14.4.5(15c) Method: Table 14.4.2.2(14b)	EC.02.03.05 EP 0
	(9) Notification Appliance Tests		
	(A) <u>Audible Bells, Horns, Chimes</u> in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)	Table 14.4.5(20) Method: Table 14.4.2.2(15a)	EC.02.03.05 EP 0
-	(B) Visual Strobes - (a) Loc per approved layout; (b) No floor plan changes	Table 14.4.5(20)	EC.02.03.05 EP 0

TWO PARTS OF THE REVIEW

Annual Fire A Doc Review

These items are only inspected if present, but form should have space to indicate that item is not present, i.e. not applicable 4. FIRE ALARM - ANNUAL (Continued) (11) Remote Annunciators - Test - (A) Verify correct operation and identification Table 14.4.5(14) LS 02.01.34 EP 04 Method: Table of annunciators & correct operation under a fault condition (12) Mass Notification Sys-Visual (supervised) (if any) Table 14.3.1(19) LS 02.01.34 EP 04 Table 14.3.1(21) LS 02.01.34 EP 04 (A) Mass Notification Antenna (If any) - Visual Table 14.3.1(22) LS 02.01.34 EP 04 (B) Mass Notification Transceivers (If any) - Visual 13) Mass Notification Sys-Test (supervised) (if any) (A) Verify input control equip correctly receives alarm, supervisory & trouble Method: Table 14.4.2.2(27) (B) Outputs operate evac signals & aux functions; (C) circuit supervision, including detection of open circuits & ground faults; (D) power supply supervision for detection of loss of ac power & disconnection of secondary batteries; (E) Fuses, lamps, power supplies, interface equip, notification devices & control unit properly operates LS 02.01.34 EP 04 14) Supervisory Device Tests 14.4.5(151)(7) (A) Fire Pump Alarm (if any) - Verify supervisory signal received when pump LS 02.01.34 EP 04 (B) Generator Alarms (if any) - Verify supervisory signal received when 14.4.5(151)(7) (15) Voice/Alarm Communication Equip LS 02.01.34 EP 04 (A) Operate Call-in; Verify receipt of correct visual/audible signal; Table 14.4.5(26) (B) Install Phone set or remove from hook; Verify receipt of signal at control Method: Table 14.4.2.2(20) (C) Visually inspect Phone jack; (D) Activated Phone set & verify correct operation; (E) Verify sys performance with min of 5 handsets simultaneously; (F) Verify Voice quality and clarity Table 14.4.5(23) LS 02.01.34 EP 04 (16) Special Procedures - Multiplex verification -Method: Table (a) Verify comm between sending & receiving units under both primary & 14.4.2.2(25b) (b) Verify comm between sending & receiving units under open circuit & short circuit trouble conditions

(c) Verify comm between sending & receiving units in all directions if there are

(d) Verify redundant central control equip (if any) switchover and required

functions & operations of secondary control equipment

(e) Verify all system functions and features per mfr instructions

multiple comm pathways

Part 2 – "**IFs**"

Inspect these items IF you have them

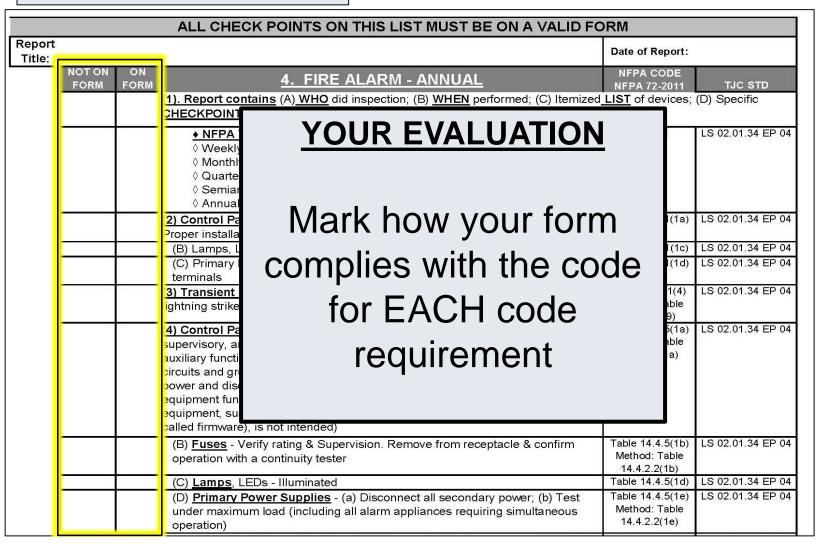
16 SUPPLIMENTAL CHECKPOINTS

(17) Combination Sys - Test - (A) Fire Extinguisher Electronic Monitoring (if any) - Test proper signals are received at the fire alarm control	Table 14.4.5(17a) Method: Table 14.4.2.2(21)	LS 02.01.34 EP 04
(18) Carbon Monoxide Detection Sys (A) Visual on Control System & Fiber-Optic cable connection	NFPA 720-2011, Table 8.3.1	EC.02.03.05 EP 03
(B) Tests: (1) Control equip, per Table Item 1; (2) Sealed Lead Acids, Charger Test, Discharge Test, per Table Item 6e; (3) Fiber-Optic Cable Power per Table Item 11b; (4) Control Unit Trouble Signal per Table Item 8; (5) Remote Annunciator per Table Item 9; (6) Initiating Devices per Table Item 12; (7) Interface Equip per Table Items 15,16; (8) Alarm Notification per Table Item 13; (9) Special procedures per Table Item 17. Note: Use NFPA 7-page example form 8,6,2.2 or equivelant	Table 14.4.5(17b) NFPA 720-2011, Table 8.4.3	EC.02.03.05 EP 03
(C) Test Carbon Monoxide Detectors by introduction of CO into the sensor element (electronic checks not acceptable)	8.4.4.1	EC.02.03.05 EP 03
(19) Exit Marking Notif - Test - (if any) Tests shall be performed in accordance with manufacturer's published instructions	Table 14.4.5(21) Table 14.4.2.2(16)	
(20) Interface Device Tests - Includes: (a) simulated interface operation, b) check of wiring connections via simulated open & single ground to verify proper indication of wire integrity, and (c) check of supervisory via placing in simulated trouble condition to verify proper receipt & reaction at control unit	Table 14.4.2.2(1c) Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
(A) Pre-Action Operation (if any) - operate or simulate equip being supervised & verify signal received at control unit	Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
(B) <u>Dry Pipe Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
(C) <u>Clean Agent Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
(D) Other Connections to FA - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
 (E) <u>Fire Pump</u> (if any) - operate or simulate equip being supervised & verify signal received at alarm panel 	Table 14.4.5(18) Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
(21) Emergency Control Interface Tests	Table 14.4.5(18)	
(A) Delayed Egress Release - operate or simulate equip being supervised & verify lock release	Method: Table 14.4.2.2(23)	LS 02.01.34 EP 04
(B) Rolling Door Release - operate or simulate equip being supervised & verify door closure	Method: Table 14.4.2.2(23)	LS 02.01.34 EP 04
(C) Flevator Recall populate or simulate equip being supervised 8 verify	Method: Table	LS 02 01 34 ED 04

		ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM				
	Report					
1	Title:			Date of Report.		
		NOT ON FORM	ON 4. FIRE ALARM - ANNUAL	NFPA CODE NFPA 72-2011	TJC STD	
	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized LIST of devices; (D) Specific CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficiency					
			 ◆ NFPA 72 Frequency Definitions (use ONLY for FA) ◇ Weekly = 52 per year, once per calendar week ◇ Monthly = 12 per year, once per calendar month ◇ Quarterly = 4 per year, min 2 months, max 4 months ◇ Semiannual = 2 per year, min 4 months, max 8 months ◇ Annual = 1 per year, min 9 months, max 15 months 	3.3.106	LS 02.01.34 EP 04	
	-	ALL CHECKPOINTS ON FORM Quote the Code				
			equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)			
	Ī		(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)	LS 02.01.34 EP 04	
		9	(C) <u>Lamps</u> , LEDs - Illuminated (D) <u>Primary Power Supplies</u> - (a) Disconnect all secondary power; (b) Test	Table 14.4.5(1d) Table 14.4.5(1e)	LS 02.01.34 EP 04 LS 02.01.34 EP 04	

		ALL CHECK POINTS ON THIS LIST MUST	BE ON A VALID FO)RM	
Report Title:				Date of Report:	
	NOT ON FORM	4. FIRE ALARM - ANNUA (1). Report contains (A) WHO did inspection; (B) WHEN CHECKPOINTS; (E) RESULTS of each checkpoint & (F)	 performed; (C) Itemized	ciency	
		◆ NFPA 72 Frequency Definitions (use ONLY for ◇ Weekly = 52 per year, once per calendar week ◇ Monthly = 12 per year, once per calendar month CODE REFERENCES	FA)	3.3.106	LS 02.01.34 EP 04
			n, Damage,	Table 14.3.1(1a)	LS 02.01.34 EP 04
				Table 14.3.1(1c)	LS 02.01.34 EP 04
		Show where	Corrosion at	Table 14.3.1(1d)	LS 02.01.34 EP 04
		3 11311 1111313	s & after any	Table 14.3.1(4)	LS 02.01.34 EP 04
		roquiromont		Method: Table 14.4.2.2(9)	I
	<u> </u>	requirement	ipt of alarm,	Table 14.4.5(1a)	LS 02.01.34 EP 04
		•	on signals and	Method: Table	
		comes from	tion of open	14.4.2.2(1a)	I
		COITICS ITOTT	on of loss of ac		I
			hal to the		I
			ols (sometimes		I
		(B) <u>Fuses</u> - Verify rating & Supervision. Remove from re	eceptacle & confirm	Table 14.4.5(1b) Method: Table	LS 02.01.34 EP 04
		operation with a continuity tester		14.4.2.2(1b)	
	8)	(C) <u>Lamps</u> , LEDs - Illuminated		Table 14.4.5(1d)	LS 02.01.34 EP 04
		(D) Primary Power Supplies - (a) Disconnect all secon		Table 14.4.5(1e)	LS 02.01.34 EP 04
		under maximum load (including all alarm appliances red operation)	quiring simultaneous	Method: Table 14.4.2.2(1e)	

	ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM				
Report Title:		ALE OFFECK FOR THIS EIGH MOST BE GIVE VALID I	Date of Report:		
		4. FIRE ALARM - ANNUAL 1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemize CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any de			
•		◆ NFPA 72 Frequency Definitions (use ONLY for FA) ◇ Weekly = 52 per year, once per calendar week ◇ Monthly = 12 per year, once per calendar month ◇ Quarterly = 4 per year, min 2 months, max 4 months	3.3.106 LS 02.01.34 EP 04		
-	S F	TITLE OF REPORT (if reviewing a completed report)	Table 14.3.1(1a) LS 02.01.34 EP 04 Table 14.3.1(1c) LS 02.01.34 EP 04 Table 14.3.1(1d) LS 02.01.34 EP 04		
		Identify What YOU	Table 14.3.1(4) LS 02.01.34 EP 04 Method: Table 14.4.2.2(9) Table 14.4.5(1a) Method: Table		
	6 1 6	call this Report	14.4.2.2(1a)		
		Date of Report	Table 14.4.5(1b) LS 02.01.34 EP 04 Method: Table 14.4.2.2(1b) Table 14.4.5(1d) LS 02.01.34 EP 04		
			Table 14.4.5(1e) LS 02.01.34 EP 04 Method: Table 14.4.2.2(1e)		



↑ ↑ Mark One Box for Each Check Point

Annual Fire A Doc Review

1. BASICS

9 BASIC CHECKPOINTS

ALL CHECK POINTS ON THIS LIST MUST BE ON A VALID FORM					
Report	ALL GILLON TO GIVE THE LIST MOST BE GIVE VALID TO	Date of Report:			
Title:	NOT ON ON 4. FIRE ALARM - ANNUAL	NFPA CODE	TIC STD		
(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized LIST of devices; (D) Specific CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any deficiency					
	♦ NFFA 72 Frequency Definitions (use ONL 1 for FA) ♦ Weekly = 52 per year, once per calendar week ♦ Monthly = 12 per year, once per calendar month ♦ Quarterly = 4 per year, min 2 months, max 4 months ♦ Semiannual = 2 per year, min 4 months, max 8 months ♦ Annual = 1 per year, min 9 months, max 15 months	7.3.100 Table 14.3.1(1a)	LS 02.01.34 EP 04		
	(2) Control Panels - Visual - (A) Fuses, for appearance, Condition, Damage, Proper installation (B) Lamps J. EDs		LS 02.01.34 EP 04		
 KEY DOCUMENT ELEMENTS Who, When, List, Checkpoints, Results & Repairs are KEY elements of EVERY inspection document 					
	power and disconnection of secondary batteries (e) Input/output control equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)				
	(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)	LS 02.01.34 EP 04		
	(C) <u>Lamps</u> , LEDs - Illuminated (D) <u>Primary Power Supplies</u> - (a) Disconnect all secondary power; (b) Test under maximum load (including all alarm appliances requiring simultaneous operation)		LS 02.01.34 EP 04 LS 02.01.34 EP 04		

Annual Fire A Doc Review

4 3 2 3 3 3 3	A FIRE ALARM - ANNUAL 10 10 10 10 10 10 10 1				
			 ◆ NFPA 72 Frequency Definitions (use ONLY for FA) ◇ Weekly = 52 per year, once per calendar week ◇ Monthly = 12 per year, once per calendar month ◇ Quarterly = 4 per year, min 2 months, max 4 months ◇ Semiannual = 2 per year, min 4 months, max 8 months ◇ Annual = 1 per year, min 9 months, max 15 months 	3.3.106	
			(2) Control Panels - Visual - (A) Fuses, for appearance, Condition, Damage, Proper installation (B) Lamps, LEDs	Table 14.3.1(1a) Table 14.3.1(1c)	
ŀ	 NFPA 72 FREQUENCY - FLEXIBILITY More tolerance than other NFPA codes 				
			(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, supervisory, and trouble signals (inputs) (b) operation of evacuation signals and auxiliary functions (outputs) (c) circuit supervision, including detection of open	Table 14.4.5(1a) Method: Table 14.4.2.2(1a)	
			circuits and ground faults (d) power supply supervision for detection of loss of ac power and disconnection of secondary batteries (e) Input/output control equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)	11111212(14)	
			power and disconnection of secondary batteries (e) Input/output control equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)	

	ON 4. FIRE ALARM - ANNUAL	NFPA CODE NFPA 72-2011			
T OIL	(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defi	LIST of devices; (
	 ◆ NFPA 72 Frequency Definitions (use ONLY for FA) ◇ Weekly = 52 per year, once per calendar week ◇ Monthly = 12 per year, once per calendar month ◇ Quarterly = 4 per year, min 2 months, max 4 months ◇ Semiannual = 2 per year, min 4 months, max 8 months ◇ Annual = 1 per year, min 9 months, max 15 months 	3.3.106			
5	(2) Control Panels - Visual - (A) Fuses, for appearance, Condition, Damage, Proper installation	Table 14.3.1(1a)			
	(B) Lamps, LEDs (C) Primary Power Supplies, for physical condition, Noise, Heat, Corrosion at terminals	Table 14.3.1(1c) Table 14.3.1(1d)			
	lightning strike	Method: Table 14.4.2.2(9)			
	(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm,	Table 14.4.5(1a) Method: Table			
• Mul	• Multiple Checkpoints of fuses, lamps, primary power				
	equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)				
	(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)			
	(C) <u>Lamps</u> , LEDs - Illuminated (D) <u>Primary Power Supplies</u> (a) Disconnect all secondary power: (b) Test	Table 14.4.5(1d)			

NOT ON FORM	ON FORM	4. FIRE ALARM - ANNUAL	NFPA CODE NFPA 72-2011		
		(1). Report contains (A) WHO did inspection; (B) WHEN performed; (C) Itemized CHECKPOINTS; (E) RESULTS of each checkpoint & (F) Doc REPAIR of any defic	<u>LIST</u> of devices; (
		 ◆ NFPA 72 Frequency Definitions (use ONLY for FA) ◇ Weekly = 52 per year, once per calendar week ◇ Monthly = 12 per year, once per calendar month ◇ Quarterly = 4 per year, min 2 months, max 4 months ◇ Semiannual = 2 per year, min 4 months, max 8 months ◇ Annual = 1 per year, min 9 months, max 15 months 	3.3.106		
		(2) Control Panels - Visual - (A) Fuses, for appearance, Condition, Damage, Proper installation	Table 14.3.1(1a)		
		(B) Lamps, LEDs (C) Primary Power Supplies, for physical condition, Noise, Heat, Corrosion at terminals	Table 14.3.1(1c) Table 14.3.1(1d)		
		(3) Transient Suppressors - (A)Visual - per mfr recommendations & after any lightning strike	Table 14.3.1(4) Method: Table 14.4.2.2(9)		
		(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, cureovices and trouble cignole (inpute) (b) eneration of evacuation cignole and TRANSIENT SUPPRESSORS	Table 14.4.5(1a) Method: Table a)		
• V	Visual of lightning suppressors				
		equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)	_		
		(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)		
0		(C) <u>Lamps</u> , LEDs - Illuminated (D) <u>Primary Power Supplies</u> (a) Disconnect all secondary power: (b) Test	Table 14.4.5(1d)		

1. BASICS

terminals	
(3) Transient Suppressors - (A) Visual - per mfr recommendations & after any lightning strike	Table 14.3.1(4) Method: Table
(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, supervisory, and trouble signals (inputs) (b) operation of evacuation signals and auxiliary functions (outputs) (c) circuit supervision, including detection of open circuits and ground faults (d) power supply supervision for detection of loss of ac power and disconnection of secondary batteries (e) Input/output control equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)	Table 14.4.5(1a) Method: Table 14.4.2.2(1a)
(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)
(C) <u>Lamps</u> , LEDs - Illuminated	Table 14.4.5(1d)
(D) <u>Primary Power Supplies</u> - (a) Disconnect all secondary power; (b) Test under maximum load (including all alarm appliances requiring simultaneous operation)	Table 14.4.5(1e) Method: Table 14.4.2.2(1e)
(E) <u>Secondary Power Supplies</u> - (a) Disconnect all primary power; (b) Verify trouble signal for loss of primary power; (c) Measure standby and alarm current demand & verify vs mfr data to meet standby and alarm requirements; (d) Operate general alarm systems for min 5 minutes; (e) Operate emerg voice comm sys min 15 minutes	Table 14.4.5(5) Method: Table 14.4.2.2(3)

CONTROL PANEL - TESTS

Many, Many tests

(c) Verify indication of Ground-fault monitoring (if any) by grounding any conductor location

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1. BASICS

conductor location

		terminals (3) Transient Suppressors - (A) Visual - per mfr recommendations & after any lightning strike	Table 14.3.1(4) Method: Table
		(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, supervisory, and trouble signals (inputs) (b) operation of evacuation signals and auxiliary functions (outputs) (c) circuit supervision, including detection of open circuits and ground faults (d) power supply supervision for detection of loss of ac power and disconnection of secondary batteries (e) Input/output control equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)	Table 14.4.5(1a) Method: Table 14.4.2.2(1a)
		(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm	Table 14.4.5(1b)
Н		CONTROL PANEL - FUNCTIONS	d)
	• (Signal Receipt (alarm, supervisory, trouble)	e)
H	• E	Evac & Aux Outputs)
	• (Circuit Supervision	;
	• F	Primary Power	
	• (Control Equip Operation	Ŋ
		feature for systems using a trouble-silencing switch that requires resetting. (b) Test each Disconnect switches (if any) for performance of intended function & receipt of trouble signal when a supervised function is disconnected (c) Verify indication of Ground-fault monitoring (if any) by grounding any	Method: Table 14.4.2.2(10)

1. BASICS

conductor location

e de la companya de l	terminals	
	(3) Transient Suppressors - (A) Visual - per mfr recommendations & after any lightning strike	Table 14.3.1(4) Method: Table 14.4.2.2(9)
	(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, supervisory, and trouble signals (inputs) (b) operation of evacuation signals and auxiliary functions (outputs) (c) circuit supervision, including detection of open circuits and ground faults (d) power supply supervision for detection of loss of ac power and disconnection of secondary batteries (e) Input/output control equipment functions proper operation (checking of functions internal to the equipment, such as software algorithms & communications protocols (sometimes called firmware), is not intended)	Table 14.4.5(1a) Method: Table 14.4.2.2(1a)
	(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)
	(C) <u>Lamps</u> , LEDs - Illuminated	Table 14.4.5(1d)
	(D) Primary Power Supplies - (a) Disconnect all secondary power; (b) Test under maximum load (including all alarm appliances requiring simultaneous	Table 14.4.5(1e)
		Method: Table
	CONTROL PANEL – FUSES & LAMPS Confirm Fuse ratings & continuity Verify LED operation	5) e
	Confirm Fuse ratings & continuity	5) e

	terminals	
	(3) Transient Suppressors - (A) Visual - per mfr recommendations & after any lightning strike	Table 14.3.1(4) Method: Table 14.4.2.2(9)
	(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, supervisory, and trouble signals (inputs) (b) operation of evacuation signals and auxiliary functions (outputs) (c) circuit supervision, including detection of open	Table 14.4.5(1a) Method: Table 14.4.2.2(1a)
• Disco	CONTROL PANEL – PRIMARY POWER onnect battery & test load	
	(B) <u>Fuses</u> - Verify rating & Supervision. Remove from receptacle & confirm operation with a continuity tester	Table 14.4.5(1b) Method: Table 14.4.2.2(1b)
	(C) Lamps TEDs - Illuminated	Table 14.4.5(1d)
	(D) <u>Primary Power Supplies</u> - (a) Disconnect all secondary power; (b) Test under maximum load (including all alarm appliances requiring simultaneous operation)	Table 14.4.5(1e) Method: Table 14.4.2.2(1e)
	(E) <u>Secondary Power Supplies</u> - (a) Disconnect all primary power; (b) Verify trouble signal for loss of primary power; (c) Measure standby and alarm current demand & verify vs mfr data to meet standby and alarm requirements; (d) Operate general alarm systems for min 5 minutes; (e) Operate emerg voice comm sys min 15 minutes	Table 14.4.5(5) Method: Table 14.4.2.2(3)
	(F) <u>Transponders</u>	Table 14.4.5(1f)
	(G) <u>Trouble Signals</u> : (a) Verify Audible and visual Operation & ring-back feature for systems using a trouble-silencing switch that requires resetting. (b) Test each Disconnect switches (if any) for performance of intended function & receipt of trouble signal when a supervised function is disconnected (c) Verify indication of Ground-fault monitoring (if any) by grounding any conductor location	Table 14.4.5(9) Method: Table 14.4.2.2(10)

	terminals (3) Transient Suppressors - (A) Visual - per mfr recommendations & after any lightning strike	Table 14.3.1(4) Method: Table 14.4.2.2(9)
	(4) Control Panels - Test - (A) Verify Functions (a) correct receipt of alarm, supervisory, and trouble signals (inputs) (b) operation of evacuation signals and auxiliary functions (outputs) (c) circuit supervision, including detection of open	Table 14.4.5(1a) Method: Table 14.4.2.2(1a)
	CONTROL PANEL – SECONDARY POWER Disconnect primary & verify trouble signal Measure currents Operate general alarm for 5 min Operate emergency voice for 15 min	b) e d) e) e
	operation)	14.4.2.2(1e)
	(E) <u>Secondary Power Supplies</u> - (a) Disconnect all primary power; (b) Verify trouble signal for loss of primary power; (c) Measure standby and alarm current demand & verify vs mfr data to meet standby and alarm requirements; (d)	Table 14.4.5(5) Method: Table
	Operate general alarm systems for min 5 minutes; (e) Operate emerg voice comm sys min 15 minutes	14.4.2.2(3)
	Operate general alarm systems for min 5 minutes; (e) Operate emerg voice	Table 14.4.5(1f) Table 14.4.5(9)

1. BASICS

CONTROL PANEL – TRANSPONDERS & TROUBLE

- Verify Trouble Signals
- Test Disconnect Switches
- Verify Ground-Fault Monitoring
- Operate Initiating Devices & verify Alarm
- Operate Supervisory Devise & verify signal

(F) <u>Transponders</u>	Table 14.4.5(1f)
	Table 14.4.5(9) Method: Table 14.4.2.2(10)

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l d)

1e)

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(D)

NOT ON FORM	ON FORM	4. FIRE ALARM - ANNUAL	NFPA CODE NEDA 72-2011		
		(5) Batteries			
		If Lead-Acid: (A) Charger Test - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries (2) Verify voltage is min 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6a)(1) Method: Table 14.4.2.2(6b)1		
		if Sealed Lead Acid: (A) Charger Test - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries; (2) Verify voltage is 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6d)(1) Method: Table 14.4.2.2(6d)1		
		(B) <u>Discharge Test</u> (30 min) - (1) Disconnect charger; (2) Load test per mfr; (3) Voltage remains above fmfr recommendation	NFPA 72-2010, Table 14.4.5(6d)(2) Method: Table 14.4.2.2(6d)		
		(6) Special Procedures - (A) Alarm verification - Verify Time delay and alarm	Table 14.4.5(23) Method: Table		
• C	• Charger & Discharge Test – Depends on type Battery				
		(8) Initiating Devices:			
		(A) Manual Fire Alarm Boxes	Table 14.4.5(15f)		
		(B) <u>Smoke Detectors</u> (Functional Test) - per mfr instr; Smoke must enter sensing chamber & activate alarm	Table 14.4.5(15h) Method: Table 14.4.2.2(14g)		
		(C) Smoke Alarms - per mgr recommendation	Table 14.4.5(15j)		
		(D) <u>Duct Detectors</u> - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the	Table 14.4.5(15a) Method: Table		

Method: Table

1. BASICS

NOTON ON FORM	4. FIRE ALARM - ANNUAL	NFPA CODE NFPA 72-2011
	(5) Batteries	
	If Lead-Acid: (A) Charger Test - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries (2) Verify voltage is min 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6a)(1) Method: Table 14.4.2.2(6b)1
	if Sealed Lead Acid: (A) Charger Test - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries; (2) Verify voltage is 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6d)(1) Method: Table 14.4.2.2(6d)1
	(B) <u>Discharge Test</u> (30 min) - (1) Disconnect charger; (2) Load test per mfr; (3) Voltage remains above fmfr recommendation	NFPA 72-2010, Table 14.4.5(6d)(2) Method: Table 14.4.2.2(6d)
	(6) Special Procedures - (A) Alarm verification - Verify Time delay and alarm response for smoke detector circuits	Table 14.4.5(23) Method: Table 14.4.2.2(25a)
	(7) Supervisory Station Transmitter - Test - per mfr instructions; (A) Actuate Initiating device & verity receipt within 90 sec of the correct initiating device signal at the supervising station	Table 14.4.5(22) Method: Table 14.4.2.2(18)
	(8) Initiating Devices: (A) Manual Fire Alarm Boxes	Table 14.4.5(15f)
	SPECIAL PROCEDURES	5(15h) Гаble 14g)
 Verify 	Time Delay & Smoke Detector Response	.5(15j) 5(15a)

chamber & activate alarm: (b) Duct detectors with sampling tubes must verify the

1. BASICS

NOT O		4. FIRE ALARM - ANNUAL	NFPA CODE NFPA 72-2011
		(5) Batteries	
		If Lead-Acid: (A) Charger Test - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries (2) Verify voltage is min 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6a)(1) Method: Table 14.4.2.2(6b)1
		<u>if Sealed Lead Acid:</u> (A) <u>Charger Test</u> - (1) With the batteries fully charged and connected to the charger, measure voltage across the batteries; (2) Verify voltage is 2.30 volts per cell ±0.02 volts at 77°F or per mfr	NFPA 72-2010, Table 14.4.5(6d)(1) Method: Table 14.4.2.2(6d)1
		(B) <u>Discharge Test</u> (30 min) - (1) Disconnect charger; (2) Load test per mfr; (3) Voltage remains above fmfr recommendation	NFPA 72-2010, Table 14.4.5(6d)(2) Method: Table 14.4.2.2(6d)
		(6) Special Procedures - (A) Alarm verification - Verify Time delay and alarm response for smoke detector circuits	Table 14.4.5(23) Method: Table 14.4.2.2(25a)
		(7) Supervisory Station Transmitter - Test - per mfr instructions; (A) Actuate Initiating device & verity receipt within 90 sec of the correct initiating device signal at the supervising station	Table 14.4.5(22) Method: Table 14.4.2.2(18)
		(8) Initiating Devices:	
		(A) Manual Fire Alarm Boxes	Table 14.4.5(15f)
• \	Verify	TRANSMITTER 90 sec Receipt of alarm at Monitoring Sta	5(15h) Fable 14g) .5(15j) 5(15a)
		chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the	Method: Table

	2
<u>INITIATING DEVICES</u>	23) ile
 Functional Test per Mfr Recommendations 	a) 22)
Initiating device & verity receipt within 90 sec of the correct initiating device signal at the supervising station	14.4.2.2(18)
(8) Initiating Devices:	
(A) Manual Fire Alarm Boxes	Table 14.4.5(15f)
(B) <u>Smoke Detectors</u> (Functional Test) - per mfr instr; Smoke must enter sensing chamber & activate alarm	Table 14.4.5(15h) Method: Table 14.4.2.2(14g)
(C) Smoke Alarms - per mgr recommendation	Table 14.4.5(15j)
chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the	Table 14.4.5(15a) Method: Table 14.4.2.2(14g)(6)
(E) Heat Alarms - per mgr recommendation	Table 14.4.5(15k)
(F) Heat Detectors - per mfr recommendations	Table 14.4.5(15e)
(G) Radiant Energy Fire Detectors - per mfr recommendations	Table 14.4.5(15g) Method: Table 14.4.2.2(14f)
(H) <u>ElectroMech Release Devices</u> - Remove fusible link & verify operation of the device. Lube any moving parts as necessary	Table 14.4.5(15b) Method: Table 14.4.2.2(14a)
(I) <u>Supression Switches</u> - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit	Table 14.4.5(15c) Method: Table 14.4.2.2(14h)
(9) Notification Appliance Tests	
(A) <u>Audible Bells, Horns, Chimes</u> in areas with building, system, or	Table 14.4.5(20)

	(C) Smoke Alarms - per mgr recommendation	Table 14.4.5(15j)
	(D) <u>Duct Detectors</u> - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr recommendation	Table 14.4.5(15a) Method: Table 14.4.2.2(14g)(6)
	(E) <u>Heat Alarms</u> - per mgr recommendation	Table 14.4.5(15k)
	(F) Heat Detectors - per mfr recommendations	Table 14.4.5(15e)
	(G) Radiant Energy Fire Detectors - per mfr recommendations	Table 14.4.5(15g) Method: Table
Fund	NOTIFICATION APPLIANCES ctional Test per Mfr Recommendations	, 5b) le)
	switch & Verify eceipt of signal by the fire alarm control unit	Method: Table
	(9) Notification Appliance Tests	
	(A) <u>Audible Bells, Horns, Chimes</u> in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)	Table 14.4.5(20) Method: Table 14.4.2.2(15a)
	(B) <u>Visual Strobes</u> - (a) Loc per approved layout; (b) No floor plan changes affect the approved layout; (c) Verify candela rating agrees with the approved drawing; (d) Confirm appliance flashes	Table 14.4.5(20) Method: Table 14.4.2.2(15c)
	(C) <u>Voice Speakers</u> - (a) Test same as Audible; (b) Verify message is distinguishable and understandable	Table 14.4.5(20) Method: Table 14.4.2.2(15b)

2. <u>"IFs"</u>

16 SUPPLIMENTAL CHECKPOINTS

The 2nd part of the inspection depends on what extra items are installed on the fire alarm sys, such as

- Remote annunciators
- Mass notification sys
- Supervisory Devices
- Voice alarm sys
- Multiplex sys
- Extinguisher/Exit Sign monitoring
- Carbon monoxide sys
- Interface devices

Best to have a place to check "Not Applicable" if not installed on the system. These items should never be left off the form, even if there are none in the building.

2. "IFs"

TL.			, inspected if present, but form should have space to indicate that item is ı	not present, i.e. n	ot applicable
NOT APPLIC	NOT ON FORM	ON FORM	4. FIRE ALARM - ANNUAL (Continued)	NFPA CODE NFPA 72-2011	TJC STD
			11) Remote Annunciators - Test - (A) Verify correct operation and identification from an annunciators & correct operation under a fault condition	Table 14.4.5(14) Method: Table 14.4.2.2(11)	LS 02.01.34 EP 04
			12) Mass Notification Sys-Visual (supervised) (if any)	Table 14 3 1(19)	LS 02.01.34 EP 04
			(A) Mass Not (B) Mass Not (A) Werify inp signals; (B) Outputs c (C) circuit su (D) power su of secondary (Mass Not YOUR EVALUATION YOUR EVALUATION YOUR EVALUATION Mark how your for	19) le)	LS 02.01.34 EP 04 LS 02.01.34 EP 04 LS 02.01.34 EP 04
			(E) Fuses, la control unit p 14) Superviso (A) Fire Pum starts (B) Generato (B) Generato	ode	LS 02.01.34 EP 04
			generator sta 15) Voice/Ala (A) Operate ((B) Install Ph unit; (C) Visually i (D) Activated	7) 26) Ie)	LS 02.01.34 EP 04
			(E) Verify sys performance with min of 5 handsets simultaneously; (F) Verify Voice quality and clarity 16) Special Procedures - Multiplex verification -	Table 14.4.5(23)	LS 02.01.34 EP 04

↑ ↑ ↑ Mark One Box for Each Check Point

NOTE: If marked Not Applicable, it should STILL be on the form (best with a NA check box)

NOT	NOT ON	ON	4. FIRE ALARM - ANNUAL (Continued)	NFPA CODE
			(11) Remote Annunciators - Test - (A) Verify correct operation and identification of annunciators & correct operation under a fault condition	Table 14.4.5(14) Method: Table 14.4.2.2(11)
			(12) Mass Notification Sys-Visual (supervised) (if any)	Table 14.3.1(19)
0)	9	ĬĮ.	(A) Mass Notification Antenna (If any) - Visual	Table 14.3.1(21)
(G) 3			(B) Mass Notification Transceivers (If any) - Visual	Table 14.3.1(22)
			(13) Mass Notification Sys-Test (supervised) (if any)	
			(A) Verify input control equip correctly receives alarm, supervisory & trouble signals;	Table 14.3.1(19) Method: Table
•	Verify	/ Op	eration under Normal & Fault Conditions control unit properly operates	
			(14) Supervisory Device Tests - (A) Fire Pump Alarm (if any) - Verify supervisory signal received when pump starts	Table 14.4.5(15I)(7)
			(B) <u>Generator Alarms</u> (if any) - Verify supervisory signal received when generator starts	Table 14.4.5(15I)(7)
	-9		(15) Voice/Alarm Communication Equip	
			 (A) Operate Call-in; Verify receipt of correct visual/audible signal; (B) Install Phone set or remove from hook; Verify receipt of signal at control unit; (C) Visually inspect Phone jack; (D) Activated Phone set & verify correct operation; (E) Verify sys performance with min of 5 handsets simultaneously; (F) Verify Voice quality and clarity 	Table 14.4.5(26) Method: Table 14.4.2.2(20)
			(16) Special Procedures - Multiplex verification - (a) Verify comm between sending & receiving units under both primary &	Table 14.4.5(23) Method: Table 14.4.2.2(25b)

NOT	NOTON	ON	4 FIRE ALARMA ANNULAL (O. A.C	NFPA CODE
APPLIC	FORM	FORM	<u>4. FIRE ALARM - ANNUAL (Continued)</u>	NFPA 72-2011
8 (8	3		(11) Remote Annunciators - Test - (A) Verify correct operation and identification	Table 14.4.5(14)
			of annunciators & correct operation under a fault condition	Method: Table 14.4.2.2(11)
			(12) Mass Notification Sys-Visual (supervised) (if any)	Table 14.3.1(19)
1	·		(A) Mass Notification Antenna (If any) - Visual	Table 14.3.1(21)
1	3		(B) Mass Notification Transceivers (If any) - Visual	Table 14.3.1(22)
-			(13) Mass Notification Sys-Test (supervised) (if any)	
			(A) Verify input control equip correctly receives alarm, supervisory & trouble signals; (B) Outputs operate evac signals & aux functions;	Table 14.3.1(19) Method: Table 14.4.2.2(27)
			 (C) circuit supervision, including detection of open circuits & ground faults; (D) power supply supervision for detection of loss of ac power & disconnection of secondary batteries; (E) Fuses, lamps, power supplies, interface equip, notification devices & control unit properly operates 	
			(14) Supervisory Device Tests -	Table
			IF HAVE MASS NOTIFICATION eck of Antenna & Transceivers ts & Outputs, Supervision, Lamps, Etc	7) 26)
			unit; (C) Visually inspect Phone jack; (D) Activated Phone set & verify correct operation; (E) Verify sys performance with min of 5 handsets simultaneously; (F) Verify Voice quality and clarity	14.4.2.2(20)
			(16) Special Procedures - Multiplex verification - (a) Verify comm between sending & receiving units under both primary &	Table 14.4.5(23) Method: Table 14.4.2.2(25b)

NOT APPLIC	NOT ON FORM	ON FORM	4. FIRE ALARM - ANNUAL (Continued)	NFPA CODE NFPA 72-2011
			(11) Remote Annunciators - Test - (A) Verify correct operation and identification of annunciators & correct operation under a fault condition	Table 14.4.5(14) Method: Table 14.4.2.2(11)
			(12) Mass Notification Sys-Visual (supervised) (if any)	Table 14.3.1(19)
			(A) Mass Notification Antenna (If any) - Visual	Table 14.3.1(21)
6 3	0		(B) Mass Notification Transceivers (If any) - Visual	Table 14.3.1(22)
			(13) Mass Notification Sys-Test (supervised) (if any)	
•	Verify	-	IF HAVE SUPERVISORY DEVICES nal when fire pump/generator starts	19) ile)
			of secondary batteries; (E) Fuses, lamps, power supplies, interface equip, notification devices & control unit properly operates	
			(14) Supervisory Device Tests - (A) Fire Pump Alarm (if any) - Verify supervisory signal received when pump starts	Table 14.4.5(15I)(7)
			(B) <u>Generator Alarms</u> (if any) - Verify supervisory signal received when generator starts	Table 14.4.5(15I)(7)
			(15) Voice/Alarm Communication Equip	
			 (A) Operate Call-in; Verify receipt of correct visual/audible signal; (B) Install Phone set or remove from hook; Verify receipt of signal at control unit; (C) Visually inspect Phone jack; (D) Activated Phone set & verify correct operation; (E) Verify sys performance with min of 5 handsets simultaneously; (F) Verify Voice quality and clarity 	Table 14.4.5(26) Method: Table 14.4.2.2(20)
			(16) Special Procedures - Multiplex verification - (a) Verify comm between sending & receiving units under both primary &	Table 14.4.5(23) Method: Table 14.4.2.2(25b)

14 4 2 2(25b)

				<u> </u>		
2000	NOT APPLIC	NOT ON FORM	ON FORM	4. FIRE ALARM - ANNUAL (Continued)	NFPA CODE NFPA 72-201	
3				(11) Remote Annunciators - Test - (A) Verify correct operation and identification of annunciators & correct operation under a fault condition	Table 14.4.5(1 Method: Table 14.4.2.2(11)	le
				(12) Mass Notification Sys-Visual (supervised) (if any)	Table 14.3.1(1	
				(A) Mass Notification Antenna (If any) - Visual	Table 14.3.1(2	,
-				(B) Mass Notification Transceivers (If any) - Visual	Table 14.3.1(2	22)
L				(13) Mass Notification Sys-Test (supervised) (if any)		
		<u> </u>	F H/	AVE VOICE/ALARM COMMUNICATION		19) le)
	•	Verify	y pho	one signal & operation	ĺ	
	•	Verify	y pei	rformance w/5 handsets simultaneously		
		Verify	y voi	ce quality & clariety	_	
1				(A) Fire Pump Alarm (if any) - Verify supervisory signal received when nump	14.4.5(151)(7	')

 (A) <u>Fire Pump Alarm</u> (if any) - Verify supervisory signal received when pump starts 	14.4.5(151)(7)
(B) Generator Alarms (if any) - Verify supervisory signal received when	Table 14.4.5(15I)(7)
(15) Voice/Alarm Communication Equip	
 (A) Operate Call-in; Verify receipt of correct visual/audible signal; (B) Install Phone set or remove from hook; Verify receipt of signal at control unit; (C) Visually inspect Phone jack; (D) Activated Phone set & verify correct operation; (E) Verify sys performance with min of 5 handsets simultaneously; (F) Verify Voice quality and clarity 	Table 14.4.5(26) Method: Table 14.4.2.2(20)
(16) Special Procedures - Multiplex Verification - (a) Verify comm between sending & receiving units under both primary &	Method: Table

			14.4.2.2(11)
		(12) Mass Notification Sys-Visual (suparvised) (if any)	Table 14.3.1(19)
	- 5	(A) Mass Notification Antenna (If any) - Visual	Γable 14.3.1(21)
100	3 2	ceivers (If any) - Visual	Table 14.3.1(22)
		2. "IFs" Test (supervised) (if any)	
		(A) verny input control equ ip correctly receives alarm, supervisory & trouble	Table 14.3.1(19)
		signals;	Method: Table
		(B) Outputs operate evac signals & aux functions;	14.4.2.2(27)
		(C) circuit supervision, including detection of open circuits & ground faults;	
		(D) power supply supervision for detection of loss of ac power & disconnection	
		of secondary batteries;	
		(E) Fuses, lamps, power supplies, interface equip, notification devices &	
		control unit properly operates	
		(14) Supervisory Device Tests -	Table
		(A) Fire Pump Alarm (if any) - Verify supervisory signal received when pump	14.4.5(151)(7)
•	Verify	operation with primary & secondary poweroperation with open & short circuit conditionsoperation per mfr instructions	26) ile)
		(E) Verify sys performance with min of 5 handsets simultaneously; (F) Verify Voice quality and clarity	
		(16) Special Procedures - Multiplex verification - (a) Verify comm between sending & receiving units under both primary &	Table 14.4.5(23) Method: Table
		I Secondary power	14.4.2.2(25b)
		secondary power (b) Verify comm between sending & receiving units under open circuit & short circuit trouble conditions	14.4.2.2(25b)
		 (b) Verify comm between sending & receiving units under open circuit & short circuit trouble conditions (c) Verify comm between sending & receiving units in all directions if there are multiple comm pathways 	14.4.2.2(25b)
		 (b) Verify comm between sending & receiving units under open circuit & short circuit trouble conditions (c) Verify comm between sending & receiving units in all directions if there are multiple comm pathways (d) Verify redundant central control equip (if any) switchover and required 	14.4.2.2(25b)
		 (b) Verify comm between sending & receiving units under open circuit & short circuit trouble conditions (c) Verify comm between sending & receiving units in all directions if there are multiple comm pathways 	14.4.2.2(25b)

		(17) Combination Sys - Test - (A) Fire Extinguisher Electronic Monitoring (if any) - Test proper signals are received at the fire alarm control	Table 14.4.5(17a) Method: Table 14.4.2.2(21)
		(A) Visual on Control System & Fiber-Optic cable connection	NFPA 720-2011, Table 8.3.1
		(B) Tests: (1) Control equip, per Table item 1; (2) Sealed Lead Acids, Charger Test, Discharge Test, per Table Item 6c; (3) Fiber-Optic Cable Power per Table Item 11b; (4) Control Unit Trouble Signal per Table item 8; (5) Remote	Table 14.4.5(17b) NFPA 720-2011, Table 8.4.3
\/orify		HAVE EXTINGUISHER MONITORING	
verny	ope	eration	
		element (electronic checks not acceptable)	
		(19) Exit Marking Notif - Test - (if any) Tests shall be performed in accordance with manufacturer's published instructions	Table 14.4.5(21) Table 14.4.2.2(16)
		(20) Interface Device Tests - Includes: (a) simulated interface operation, b) check of wiring connections via simulated open & single ground to verify proper indication of wire integrity, and (c) check of supervisory via placing in simulated trouble condition to verity proper receipt & reaction at control unit	Table 14.4.2.2(1c) Method: Table 14.4.2.2(22)
		(A) <u>Pre-Action Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Method: Table 14.4.2.2(22)
		(B) <u>Dry Pipe Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(C) <u>Clean Agent Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(D) Other Connections to FA - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(E) Fire Pump (if any) - operate or simulate equip being supervised & verify	Table 14.4.5(18)

(A) Visual on Control System & Fiber-Optic cable connection (B) Tests: (1) Control equip, per Table item 1; (2) Sealed Lead Acids, Charger Test, Discharge Test, per Table Item 6c; (3) Fiber-Optic Cable Power per Table Item 11b; (4) Control Unit Trouble Signal per Table item 8; (5) Remote Annunciator per Table item 9; (6) Initiating Devices per Table item 12; (7) Interface Equip per Table items 15,16; (8) Alarm Notification per Table item 13; (9) Special procedures per Table item 17. Note: Use NFPA 7-page example form 8.6.2.2 or equivelant (C) Test Carbon Monoxide Detectors by introduction of CO into the sensor element (electronic checks not acceptable) [19] Exit Marking Notif - Test - (if any) Tests shall be performed in accordance	
Test, Discharge Test, per Table Item 6c; (3) Fiber-Optic Cable Power per Table Item 11b; (4) Control Unit Trouble Signal per Table item 8; (5) Remote Annunciator per Table item 9; (6) Initiating Devices per Table item 12; (7) Interface Equip per Table items 15,16; (8) Alarm Notification per Table item 13; (9) Special procedures per Table item 17. Note: Use NFPA 7-page example form 8.6.2.2 or equivelant (C) Test Carbon Monoxide Detectors by introduction of CO into the sensor element (electronic checks not acceptable) [19] Exit Marking Notif - Test - (if any) Tests shall be performed in accordance Table 14.4.5(3)	
element (electronic checks not acceptable) (19) Exit Marking Notif - Test - (if any) Tests shall be performed in accordance Table 14.4.5(2)	
with manufacturer's published instructions Table 14.4.2.2	
 IF HAVE CARBON MONOXIDE SYS Verify operation, Batteries, Signals, Annunciator, 	
Interface	
Test Detectors	lr
(C) Clean Agent Operation (if any) - operate or simulate equip being Supervised & verify signal received at control unit Method: Table 14.4.2.2(22)	
(D) Other Connections to FA - operate or simulate equip being supervised & Table 14.4.5(verify signal received at control unit Method: Tab 14.4.2.2(22) (E) Fire Pump (if any) - operate or simulate equip being supervised & verify Table 14.4.5()	

		(17) Combination Sys - Test - (A) Fire Extinguisher Electronic Monitoring (if any) - Test proper signals are received at the fire alarm control	Table 14.4.5(17a) Method: Table 14.4.2.2(21)
		(18) Carbon Monoxide Detection Sys (A) Visual on Control System & Fiber-Optic cable connection	Table 14.3.1(11b) NFPA 720-2011, Table 8.3.1
		(B) Tests: (1) Control equip, per Table item 1; (2) Sealed Lead Acids, Charger Test, Discharge Test, per Table Item 6c; (3) Fiber-Optic Cable Power per Table Item 11b; (4) Control Unit Trouble Signal per Table item 8; (5) Remote Annunciator per Table item 9; (6) Initiating Devices per Table item 12; (7) Interface Equip per Table items 15,16; (8) Alarm Notification per Table item 13; (9) Special procedures per Table item 17. Note: Use NFPA 7-page example form 8.6.2.2 or equivelant	Table 14.4.5(17b) NFPA 720-2011, Table 8.4.3
		(C) Test Carbon Monoxide Detectors by introduction of CO into the sensor element (electronic checks not acceptable)	8.4.4.1
		(19) Exit Marking Notif - Test - (if any) Tests shall be performed in accordance with manufacturer's published instructions	Table 14.4.5(21) Table 14.4.2.2(16)
		(20) Interface Device Tests - Includes: (a) simulated interface operation, b) check of wiring connections via simulated open & single ground to verify proper indication of wire integrity, and (c) check of supervisory via placing in simulated trouble condition to verity proper receipt & reaction at control unit	Table 14.4.2.2(1c) Method: Table 14.4.2.2(22)
		IF HAVE EXIT SIGN MONITORING	le)
•	Verify op	eration per mfr instructions	8) e
		(C) <u>Clean Agent Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(D) Other Connections to FA - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(E) Fire Pump (if any) - operate or simulate equip being supervised & verify	Table 14.4.5(18)

2. "IFs"

(B) Tests: (1) Control equip, per Table item 1; (2) Sealed Lead Acids, Charger Table 14.4.5(17b)

IF HAVE INTERFACE DEVICES

- Simulate operation & check supervisory signals
- For Dry Pipe, Preaction, Clean Agent, Fire Pump, Etc

H	- I	element (electronic checks not acceptable) (19) Exit Marking Notif - Test - (if any) Tests shall be performed in accordance with manufacturer's published instructions	Table 14.4.5(21) Table 14.4.2.2(16)
		(20) Interface Device Tests - Includes: (a) simulated interface operation, b) check of wiring connections via simulated open & single ground to verify proper indication of wire integrity, and (c) check of supervisory via placing in simulated trouble condition to verity proper receipt & reaction at control unit	Table 14.4.2.2(1c) Method: Table 14.4.2.2(22)
		(A) <u>Pre-Action Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Method: Table 14.4.2.2(22)
		(B) <u>Dry Pipe Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(C) <u>Clean Agent Operation</u> (if any) - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(D) <u>Other Connections</u> to FA - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)
		(E) Fire Pump (if any) - operate or simulate equip being supervised & verify signal received at alarm panel	Table 14.4.5(18) Method: Table
4			17.7.4.41441

2. <u>"IFs"</u>

(21) Emergency Control Interface Tests	Table 14.4.5(18)
(A) Delayed Egress Release - operate or simulate equip being supervised & verify lock release	Method: Table 14.4.2.2(23)
(B) Rolling Door Release - operate or simulate equip being supervised & verify door closure	Method: Table 14.4.2.2(23)
(C) Elevator Recall - operate or simulate equip being supervised & verify elevator recall	Method: Table 14.4.2.2(23)
(D) Elevator Power Shunt Trip - operate or simulate equip being supervised & verify elevator shutdown	Method: Table 14.4.2.2(23)
(E) Smoke Control (if any) - operate or simulate equip being supervised & verify activation of smoke control sequence	Method: Table 14.4.2.2(23)

[ZZ] Special Hazard Equip Test - Aport Switches (II any) - Operate Aport Switch

BUIC 14.4.0(13)

IF HAVE EMERGENCY INTERFACE DEVICES

- Simulate operation & check supervisory signals
- For Delayed Egress, Rolling Door Release, Elevator Recall, Smoke Control, Etc

circuits and signals

2. "IFs"

(21) Emergency Control Interface Tests	Table 14.4.5(18)
(A) Delayed Egress Release - operate or simulate equip being supervised & verify lock release	Method: Table 14.4.2.2(23)
(B) Rolling Door Release - operate or simulate equip being supervised & verify door closure	Method: Table 14.4.2.2(23)
(C) Elevator Recall - operate or simulate equip being supervised & verify elevator recall	Method: Table 14.4.2.2(23)
(D) Elevator Power Shunt Trip - operate or simulate equip being supervised & verify elevator shutdown	Method: Table 14.4.2.2(23)
(E) Smoke Control (if any) - operate or simulate equip being supervised & verify activation of smoke control sequence	Method: Table 14.4.2.2(23)
(22) Special Hazard Equip Test - Abort Switches (if any) - Operate Abort switch & verify correct sequence and operation	Table 14.4.5(19) Method: Table
(23) Fiber-Optic Cable Connections - Visual	Table 14.3.1(6)
(24) Fiber-Optic Cable - Test - Measure & record the relative power loss of the line per mfr instructions with an optical power meter or an optical time domain reflectometer; Repairs needed if power level drops 2% or more from the value recorded during the initial acceptance test	Table 14.4.5(8) Method: Table 14.4.2.2(13b)
(25) Hyperbaria Chamber Fire detection equipment shall be fully tested	NEDA 99-20102,

IF HAVE SPECIAL HAZARD EQUIP

Operate Abort Switch & check correct operation

		(21) Emergency Control Interface Tests	Table 14.4.5(18)		
		(A) Delayed Egress Release - operate or simulate equip being supervised & verify lock release	Method: Table 14.4.2.2(23)		
		(B) Rolling Door Release - operate or simulate equip being supervised & verify door closure	Method: Table 14.4.2.2(23)		
		(C) Flevator Recall - operate or simulate equip being supervised & verify	Method: Table		
	IF HAVE FIBER-OPTIC CABLES				
•	VISU	ally inspect connections	le \		
⊢ •	• Test power loss				
		a verify correct sequence and operation	le l		
		(23) Fiber-Optic Cable Connections - Visual	Table 14.3.1(6)		
		(24) Fiber-Optic Cable - Test - Measure & record the relative power loss of the line per mfr instructions with an optical power meter or an optical time domain reflectometer; Repairs needed if power level drops 2% or more from the value recorded during the initial acceptance test	Table 14.4.5(8) Method: Table 14.4.2.2(13b)		
		(25) Hyperbaric Chamber Fire detection equipment shall be fully tested annually, including discharge of extinguishing media and activation of trouble	NFPA 99-20102, §14.3.6.3.2		

		(21) Emergency Control Interface Tests	Table 14.4.5(18
		(A) Delayed Egress Release - operate or simulate equip being supervised & verify lock release	Method: Table 14.4.2.2(23)
		(B) Rolling Door Release - operate or simulate equip being supervised & verify door closure	Method: Table 14.4.2.2(23)
		(C) Elevator Recall - operate or simulate equip being supervised & verify elevator recall	Method: Table 14.4.2.2(23)
		(D) Elevator Power Shunt Trip - operate or simulate equip being supervised & verify elevator shutdown	Method: Table 14.4.2.2(23)
	Dischar	IF HAVE HYPERBARIC CHAMBER	
\dashv		ge media & verify operation	
-		uble signals	
<u> </u>		· ·	14.4.2.2(13b)

Report Title: Date of Report: NOT ON ON A FIRE ALARM - ANNUAL NFFA CODE

WHOOF! That was a long one

(B) Discharge Lest (3U min) - (1) Disconnect charger, (2) Load test per mfr, (3) Voltage remains above fmfr recommendation (B) Special Procedures - (A) Alarm verification - Verify Time delay and alarm response for smoke detector circuits (T) Supervisory Station Transmitter - Test - per mfr instructions, (A) Actuate initiating device & verify receipt within 90 sec of the correct initiating device signal at the supervising station (B) Initiating Devices: (A) Manual Fire Alarm Boxes (B) Smoke Detectors (Functional Test) - per mfr instr; Smoke must enter sensing chamber & activate alarm (C) Smoke Alarms - per mgr recommendation (D) Duct Detectors - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr (E) Heat Alarms - per mgr recommendation (F) Heat Detectors - per mfr recommendations (B) Supression Switches - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (B) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F) (B) Visual Strobes - (a) Loc per approved layout; (b) No floor plan changes	if Seconn voltag		Л	
response for smoke detector circuits (7) Supervisory Station Transmitter - Test - per mfr instructions. (A) Actuate Initiating device & verify receipt within 90 sec of the correct initiating device signal at the supervising station (B) Initiating Devices. (A) Maular Fire Alarm Boxes (B) Smoke Detectors (Functional Test) - per mfr instr; Smoke must enter sensing chamber & activate alarm (C) Smoke Alarms - per mgr recommendation (D) Duct Detectors - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr recommendation (E) Heat Alarms - per mgr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mgr recommendations (G) Radiant Energy Fire Detectors - p	Voltage remains above fmfr recommendation	Table 14.4.5(6d)(2) Method: Table		
Initiating device & verify receipt within 90 sec of the correct initiating device signal at the supervising station (B) Initiating Devices: (A) Manual Fire Alarm Boxes (A) Manual Fire Alarm Boxes (B) Smoke Detectors (Functional Test) - per mfr instr; Smoke must enter sensing charber & activate alarm (C) Smoke Alarms - per mgr recommendation; (D) Duct Detectors - per mfr recommendation; (a) Smoke must enter sensing charber & activate alarm (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr (E) Heat Alarms - per mgr recommendation (E) Heat Alarms - per mfr recommendation (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Superssion Switches - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (E) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)		Method: Table		
(A) Manual Fire Alarm Boxes (B) Smoke Detectors (Functional Test) - per mfr instr; Smoke must enter sensing chamber & activate alarm (C) Smoke Alarms - per mgr recommendation (D) Duct Detectors - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr (E) Heat Alarms - per mgr recommendation (E) Heat Alarms - per mfr recommendations (F) Heat Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Supression Switches - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (E) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)	Initiating device & verity receipt within 90 sec of the correct initiating device signal at the supervising station	Method: Table	LS 02.01.34 EP 04	
(B) Smoke Detectors (Functional Test) - per mfr instr; Smoke must enter sensing chamber & activate alarm (C) Smoke Alarms - per mgr recommendation (D) Duct Detectors - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr recommendation (E) Heat Alarms - per mgr recommendation (E) Heat Alarms - per mgr recommendation (E) Heat Detectors - per mfr recommendation (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (H) ElectroMech Release Devices - Remove fusible link & verify operation of the device. Lube any moving parts as necessary (I) Supression Syntches - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (B) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)				ı
sensing chamber & activate alarm (C) Smoke Alarms - per mgr recommendation (D) Duct Detectors - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr (E) Heat Alarms - per mgr recommendation (E) Heat Alarms - per mgr recommendation (F) Heat Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (H) ElectroMech Release Devices - Remove fusible link & verify operation of the device. Lube any moving parts as necessary (I) Supression Switches - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (B) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)				ı
(D) <u>Duct Detectors</u> - per mfr recommendation; (a) Smoke must enter sensing chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr recommendation (E) <u>Heat Alarms</u> - per mgr recommendation (E) <u>Heat Alarms</u> - per mgr recommendation (F) <u>Heat Detectors</u> - per mfr recommendations (G) <u>Radiant Energy Fire Detectors</u> - per mfr recommendations (G) <u>Radiant Energy Fire Detectors</u> - per mgr recommendations (H) <u>ElectroMech Release Devices</u> - Remove fusible link & verify operation of the device. Lube any moving parts as necessary (I) <u>Supression Switches</u> - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (B) Notification Appliance Tests (A) <u>Audible Bells, Horns, Chimes</u> in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)		Method: Table 14.4.2.2(14g)		ľ
chamber & activate alarm; (b) Duct detectors with sampling tubes must verify the correct pressure differential between the inlet and exhaust tubes is per mfr recommendation (E) Heat Alarms - per mgr recommendation (F) Heat Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (F) Heat Detectors - per mfr recommendations (G) Radiant Energy Fire Detect	(C) Smoke Alarms - per mgr recommendation			ı
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(F) Heat Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (G) Radiant Energy Fire Detectors - per mfr recommendations (H) ElectroMech Release Devices - Remove fusible link & verify operation of the device. Lube any moving parts as necessary (I) Supression Switches - Mechanically or electrically operate supression system of the device of signal by the fire alarm control unit (B) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)	(E) Heat Alarms - per mgr recommendation	Table 14.4.5(15k)	EC.02.03.05 EP 03	1
(H) ElectroMech Release Devices - Remove fusible link & verify operation of the device. Lube any moving parts as necessary (I) Supression Switches - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (B) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)		Table 14.4.5(15e)	EC.02.03.05 EP 03	1
the device. Lube any moving parts as necessary (I) <u>Supression Switches</u> - Mechanically or electrically operate supression sys switch & Verify eceipt of signal by the fire alarm control unit (B) <u>Notification Appliance Tests</u> (A) <u>Audible Bells, Horns, Chimes</u> in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)	(G) Radiant Energy Fire Detectors - per mfr recommendations	Method: Table 14.4.2.2(14f)		
switch & Verify eceipt of signal by the fire alarm control unit (9) Notification Appliance Tests (A) Audible Bells, Horns, Chimes in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)		Method: Table		
(A) <u>Audible Bells, Horns, Chimes</u> in areas with building, system, or occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)		Method: Table	EC.02.03.05 EP 03	
occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the time-weighted characteristic F)				ı
(B) Visual Strobes - (a) Loc per approved layout; (b) No floor plan changes Table 14.4.5(20) EC.02.03.05 EP 04	occupancy changes - (a) Measure sound pressure levels per requirements in Chapter 18 (using a sound level meter meeting ANSI S1.4a, Type 2, using the	Method: Table 14.4.2.2(15a)		
	(B) Visual Strobes - (a) Loc per approved layout; (b) No floor plan changes	Table 14.4.5(20)	EC.02.03.05 EP 04	L

4. FIRE ALARM - ANNUAL (Continued)	NFPA CODE NFPA 72-2011	TJC STD
te <u>Annunciators - Test</u> - (A) Verify correct operation and identification tors & correct operation under a fault condition	Table 14.4.5(14) Method: Table 14.4.2.2(11)	LS 02.01.34 EP 04
Notification Sys-Visual (supervised) (if any)	Table 14.3.1(19)	LS 02.01.34 EP 04
Notification Antenna (If any) - Visual	Table 14.3.1(21)	LS 02.01.34 EP 04
Notification Transceivers (If any) - Visual	Table 14.3.1(22)	LS 02.01.34 EP 04
Notification Sys-Test (supervised) (if any)		
input control equip correctly receives alarm, supervisory & trouble its operate evac signals & aux functions; supervision, including detection of open circuits & ground faults; supply supervision for detection of loss of ac power & disconnection lary batteries; , lamps, power supplies, interface equip, notification devices & its properly operates	Table 14.3.1(19) Method: Table 14.4.2.2(27)	LS 02.01.34 EP 04
visory Device Tests -	Table 14.4.5(15I)(7)	LS 02.01.34 EP 04





	(D) Other Connections to FA - operate or simulate equip being supervised & verify signal received at control unit	Table 14.4.5(18) Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
	(E) <u>Fire Pump</u> (if any) - operate or simulate equip being supervised & verify signal received at alarm panel	Table 14.4.5(18) Method: Table 14.4.2.2(22)	LS 02.01.34 EP 04
	(21) Emergency Control Interface Tests	Table 14.4.5(18)	
	(A) Delayed Egress Release - operate or simulate equip being supervised & verify lock release	Method: Table 14.4.2.2(23)	LS 02.01.34 EP 04
	(B) Rolling Door Release - operate or simulate equip being supervised & verify door closure	Method: Table 14.4.2.2(23)	LS 02.01.34 EP 04
	(C) Flavator Recall prograte or simulate equip being supervised 8 verify	Method: Table	LS 02 01 34 EP 04



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- 1. REALITIES of Document Review
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