

Project: Sioux Falls Boiler Plant  
 Location: Sioux Falls VAMC, SD  
 Project #: 438-22-900  
 Date: 1/16/2025

## STATEMENT OF SPECIAL INSPECTIONS

Project Seismic Design Category: \_\_\_\_\_  
 Project Risk Category: \_\_\_\_\_  
 Project Design Wind Speed (mph): \_\_\_\_\_  
 Number of Stories: \_\_\_\_\_  
 Structure Height Above Grade (ft): \_\_\_\_\_  
 Hazardous Occupancy or attached to such? \_\_\_\_\_ Group H Occupancies (2015 IBC, Section 415)

### Special Inspector of Record (SIOR)

A Special Inspector of Record (SIOR) IS NOT required (per UFGS 01 45 35, Section 1.3.8)

SIOR Name (Registered Professional): \_\_\_\_\_  
 Professional Registration Number: \_\_\_\_\_  
 Consulting Firm Name (if any): \_\_\_\_\_  
 SIOR Office AND Mobile Phone Number: \_\_\_\_\_

### Lateral Force Resisting System (LFRS)

2015 IBC 1704.3.2 and 1704.3.3

Following is a listing of critical main wind/seismic force resisting systems for this structure. Carefully inspect these elements as part of the roles and responsibilities of the Special Inspector (reference the Schedule of Special Inspections for inspection checklists).

Vertical LFRS Elements	Notes
Ordinary Concentric Braced Frames	North - South Direction Only, See Plan
Special Concentric Braced Frames	Lettered Gridline only, see plan for call out
Ordinary Steel Moment resisting Frames (SMRF)	Both orthogonal Directions, See plan for call out
Ordinary Reinforced Concrete Shearwalls	See Key Notes
Concrete Grade Beams Resisting Lateral Loads	Office Portion Only, see plan key notes
Ordinary Reinforced Masonry Shear Walls	High Bay, Numbered Gridlines only, see plan
OSB Sheathed Shear Walls (nailing, sill bolting, Etc)	See schedule on plan
Shear Wall Hold Downs	Identified on Plan & in Detail Sheet X.XX
Horizontal LFRS Elements	Notes
Continuous Roof Ties	See Key Notes on Roof Plan
Collector Elements	Identified on plan with key notes
Concrete over metal deck	2nd floor and roof
Metal Roof Deck & Related Fastening System	See Roof Plan
Out of Plane Wall Connections	See Structural Details XX & XX
Diaphragm Cross Rod Bracing	See Roof Plan for locations
Cast in Place Concrete Floor and Roof Diaphragms	See sheet XX for details and rebar schedule
Special Force Transfer Connection	See Detail X on Sheet X.XX

Statement of Special Inspections Page 1 of 2

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### Designated Seismic Systems (DSS)

(2015 IBC 1705.13.3.4) (ASCE 7-10, 13.2.2, C13.2.2) (UFC 3-310-04, 2-11.2 & 2-13.2.2)

DESIGNATED SEISMIC SYSTEMS DO NOT APPLY TO THIS PROJECT, due to the Seismic Design Category being less than C.

ELECTRICAL Designated Seismic Systems (DSS) Requiring a Certificate of Compliance	
1.	DSS Emergency or Standby Power System
2.	DSS Component XX
3.	DSS Component XX
4.	DSS Component XX
5.	DSS Component XX

If additional space is required, append an additional sheet listing the remaining DSS

MECHANICAL/PLUMBING Designated Seismic Systems (DSS) Requiring a Certificate of Compliance	
1.	DSS Gas lines and associated fittings, anchorage, & flexible Connections
2.	DSS Component XX
3.	DSS Component XX
4.	DSS Component XX
5.	DSS Component XX
6.	DSS Component XX

If additional space is required, append an additional sheet listing the remaining DSS

OTHER Designated Seismic Systems (DSS) Requiring a Certificate of Compliance	
1.	DSS Building egress stair systems
2.	DSS Building fire sprinkler systems
3.	DSS Component XX
4.	DSS Component XX
5.	DSS Component XX
6.	DSS Component XX

### Final Walk Down Inspection and Report

(UFC 3 301 01 SECTION 2-2.4.3)

Designated Seismic Systems shall receive a final walk-down inspection by the Registered Design Professional in Responsible Charge

Final Walk Down Report, Prepared by the Registered Design Professional in Responsible Charge, Must Include:

1. Record observations of Final Walk Down Inspection
2. Document that Inspections were performed in accordance with the Schedule of Special Inspections
3. Document that all Designated Seismic Systems are installed according to construction/manufacture document requirements, and that Compliance Certificates have been collected (UFC 03 301 01, 2-13.2.2.1).

## USER NOTES (Not intended to print)

< Edit Blue text/cells only

## SPECIAL INSPECTOR OF RECORD (SIOR) DETERMINATION

< The Special Inspector of Record (SIOR) is a DOD mandate. Enter the requested data to determine whether an SIOR is required or is not required.

< For DB contracts insert the SIOR contact information. For DBB contracts enter, "Contractor to provide prior to construction start".

< The SIOR must be a registered professional engineer, and must not be an employee of the General Contractor, or an employee of a Sub-Contractor performing construction for this project.

## LATERAL FORCE RESISTING SYSTEM IDENTIFICATION

Example entries are provided, replace/delete as necessary

## DESIGNATED SEISMIC SYSTEMS (DSS)

This section identifies whether Designated Seismic Systems apply to this project or do not apply. Additionally, and where DSS apply, some explanation is provided below for what a Designated Seismic System is for this specific project.

< Designated Seismic Systems DO NOT APPLY to this project, nothing further is required as part of this Statement of DSS for this project are nonstructural components with an importance factor of 1.5 AND with the following project conditions (UFC 3-310 SECTION 2-11.2) (ASCE 7-10, 13.1.3):

1. The component is required to function for life-safety purposes after an earthquake, including fire sprinkler systems and egress stairways (RC I thru V + SDC C thru F).
2. The component conveys, supports, or otherwise contains toxic, highly toxic, or explosive substances where the quantity of the a material exceeds a threshold quantity established by the authority having jurisdiction and is sufficient to pose a threat to the public if released (RC I thru V + SDC C thru F).
3. The component is in, or attached to, a Risk Category IV or V structure, and it is needed for continued operation of the facility, or its failure could impair the continued operation of the facility (RC IV thru V + SDC C thru F).
4. The component conveys, supports, or otherwise contains hazardous substances and is attached to a structure, or portion thereof, classified by the authority having jurisdiction as a hazardous occupancy (RC I thru V + SDC C thru F).

#### FINAL WALK DOWN INSPECTION AND REPORT FOR NON-STRUCTURAL DSS

< A non-structural DSS final walk down inspection applies to this project

< ...Certificates of compliance documenting that the requirements are met shall be submitted to the buidling offical (2015 IBC 1704.5 & 1705.13.3) and shall be maintained in a file identified as "Equipment Certification Documentation". This file shall be part of the final project O&M Manual

**NEXT: COMPLETE THE SCHEDULE OF SPECIAL INSPECTIONS TEMPLATE.**

Edit, print, and append the **Schedule of Special Inspections Template** to this **Statement of Special Inspections** and insert both at the back of the project **Special Inspections Specification** **01 45 35.**