

Project: P234 - Maintenance Hangar
Location: Anytown, VA
Project #: 12345678
Date: 4/10/2017

STATEMENT OF SPECIAL INSPECTIONS

Project Seismic Design Category: E
Project Risk Category: IV
Project Design Wind Speed (km/h): 392
Number of Stories: 2
Structure Height Above Grade (M): 21
Hazardous Occupancy or attached to such? No Group H Occupancies (2018 IBC, Section 415)

Special Inspector of Record (SIOR)

A Special Inspector of Record (SIOR) IS required (per UFGS 01 45 35, Section 1.3.8)

SIOR Name (Registered Professional): John Doe P.E.
Professional Registration Number: C222222
Consulting Firm Name (if any): ABC Structural Consulting
SIOR Office AND Mobile Phone Number: 1234567895 (Mobile), 123456789 (Office)

This Statement of Special Inspections is in accordance with Section 1704.3 of the 2018 IBC. It includes a Schedule of Special Inspections applicable to the above referenced project.

2018 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

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Designated Seismic Systems (DSS)

(2018 IBC 1705.13.3.4) (ASCE 7-16, 13.2.2, C13.2.2) (UFC 3-301-04, 2-11.2 & 2-13.2.2)

Non-structural 'Designated Seismic Systems' (DSS) have an I_p greater than 1.0, and must be certified by the manufacturer to remain operable after a design earthquake. The Prime Contractor shall collect the manufacturers Certificates of Compliance for incorporation into the Operations and Maintenance manual per Section 01 78 23 paragraph 1.3. The SIOR shall review the Certificates of Compliance as part of the special inspection. Additionally, the below listed Designated Seismic Systems must be carefully inspected by the Special Inspector according to the requirements noted in the Schedule of Special Inspections.

ELECTRICAL Designated Seismic Systems (DSS) Requiring a Certificate of Compliance	
1.	DSS Emergency or Standby Power System
2.	DSS Lighting Inverters and Associated Conduits
3.	DSS Electrical System (including conduits) and Panels Serving Fire Pump Controller and Fire Pump
4.	DSS Light Fixture with Emergency Battery Backup
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

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 Elevator System, see specification section 14 21 23
4.	DSS Fire pump, Fire pump controller, fire alarm control panel and mass notification
5.	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 3- 301-01, 01, 2-13.2.2.1).

Statement of Special Inspections Page 2 of 2

Japan Edited Specifications, Feb 2020