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Title: Statement of Work for Safety Related HVAC Fire Dampers

Author(s): Spitzmiller, TJ

Intended for: DOE
ASM Publication
Air quality
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LA-UR-

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Title:	Statement of Work for Safety Related HVAC Fire Dampers
Author(s):	Michael A. Murphy TJ Spitzmiller
Intended for:	Fed Biz Ops Green Network External Trade Advertising

Los Alamos
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EST.1943

Form 836 (7/06)

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Last	First	Middle	Z No.	Group or affiliation
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Safety Related HVAC Fire Dampers

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☐ Summary ☐ Poster
☐ Audio-Visual (*abstract required*)
☐ Viewgraphs/Presentations (*abstract required*)
☒ Other: SOW

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Form 678 (05/10)

Notice for Federal Business Opportunities

General Information

Document Type: **Sources Sought**

Solicitation Number: **153776**
Title: **Safety Related HVAC Fire Dampers**

Response Date: 8/22/11

Classification Code: 12
Set Aside: **No**
NAICS: 332322 and 334512

Is this a Recovery Act project? (NO)
Contracting Office Address

Department of Energy, Los Alamos National Laboratory (DOE Contractor), PO Box 1663 MS D442, Los Alamos, NM 87545.

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Los Alamos
NATIONAL LABORATORY
EST.1943

Request For Expression of Interest

Design, Fabricate, and Deliver

Safety Related HVAC Fire Dampers

For

The Chemistry & Metallurgy Research Replacement (CMRR) Facility.

Los Alamos National Laboratory (LANL) is seeking Expressions of Interest and Prequalification Data from qualified firms for the services described below.

GENERAL NOTES:

The Chemistry and Metallurgy Research Replacement (CMRR) Project is issuing Requests for Expressions of Interest and Prequalification Data (REO) for potential procurements of engineered equipment for the planned CMRR Nuclear Facility at the Los Alamos National laboratory. A bidders list will be developed for each type of engineered equipment to be procured. This action will be followed by issuance of formal Requests for Proposal (RFP) and the bid, evaluate, award (BEA) cycle will follow. The successful bidder will be released to perform design activities upon award.

The balance of the work (material purchase, fabrication, delivery) will be released upon completion of the Supplemental Environmental Impact Study (SEIS), the Record of Decision (ROD), and National Nuclear Security Administration's (NNSA) authorization to proceed.

The reason for proceeding in this manner is to resolve design criteria, allow for design progress, and reduce design risk without reaching a final design that commits the agency to a single option.

This request does not represent any confirmation by LANS of inclusion on the final bidders list, notification of subcontract award or authorization to commence any work related to this request. Equipment fabrication is not currently authorized and will be dependent upon Government approval after the NEPA process is complete.

SCOPE OF WORK:

The CMRR Project will need Safety Related HVAC Fire Dampers for the CMRR Nuclear Facility HVAC system at Technical Area 55 of the Los Alamos National Laboratory (LANL). There are a total of 686 damper assemblies in varying sizes and configurations;

- Safety Class (SC) Fire Dampers: 555 Assemblies
- Safety Significant (SS) Fire Dampers: 131 Assemblies

such as indicated in Table 1 attached.

The Safety Related HVAC Fire Dampers shall be constructed to meet and exceed the functional requirements and quality standards defined by ASME AG-1-2003, Code on Nuclear Air and Gas Treatment, and NQA-1 2008 with 2009 addenda, Quality Assurance Requirements for Nuclear Facility Applications. Additional requirements include but are not limited to:

1) To meet seismic qualification requirements for Performance Category PC-2, and PC-3.
2) To provide ventilation zone control and separation.
3) Standard for Heat Responsive Links for Fire-Protection Service, UL 33, 2005
4) Standard for Fire Dampers, UL 555, 2009

Supplier to provide testing for the requirements identified above.

Installation of the dampers will be done by others under the supervision of the successful bidder.

Supplier Requirements:

Demonstrated safety performance equal to or lower than the following standards:

Statistical Standards		
Experience Modification Rate	The "EMR" is a number that is assigned to your company based on the insurance premium you pay and your loss statistics. Contact your insurance company for these numbers.	Maximum Allowable Average: **1.00**
Total Recordable Injury/Illness Case Rate (from Company OSHA 300 log)	Rate = Total Recordable Injuries/Illnesses x 200,000 / Total Employee Hours Worked	Maximum Allowable Average: **3.2**
DART Case Rate (Days Away From Work, Restriction, or Job Transfer) (from Company OSHA 300 log)	Rate = Total Days Away/Restricted/Transferred Work Day Cases x 200,000 / Total Employee Hours Worked	Maximum Allowable Average: **1.4**

- Minimum of 5 years experience providing like equipment
- Provide your Organizational structure
- Table of contents from your Quality Assurance Manual and completion of the attached Quality Questionnaire.
- Listing of references who can confirm your capabilities. References must be based on work performed within the last 5 years, but with an emphasis on the last 3 years.

Interested contractors that meet the above criteria may contact Mike Murphy, CMRR Purchasing Manager (mamurphy@lanl.gov), TJ Spitzmiller, CMRR Procurement (tjspitz@lanl.gov) or Theresa Paisano (theresap@lanl.gov).

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVAV-DF-0001	Fire	MH-63800	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0003	Fire	MH-63800	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0004	Fire	MH-63800	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0006	Fire	MH-63800	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0030	Fire	MH-63800	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0031	Fire	MH-63800	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0040	Fire	MH-63800	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0007	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0008A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0008B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0009A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0009B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0010A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0010B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0011A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0011B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0012A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0012B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0013A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0013B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0014A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0014B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0015A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0015B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0016A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0016B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0019A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0019B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0020A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0020B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0021A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0021B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0022A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0022B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0023A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0023B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0024A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0024B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0025A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0025B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0026A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0026B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0027A	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0027B	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0042	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0043	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0041	Fire	MH-63807	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0002A	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0002B	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0005A	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0005B	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0032A	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0032B	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0033A	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0033B	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0038	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0039	Fire	MH-63808	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0034A	Fire	MH-63809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0034B	Fire	MH-63809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVAV-DF-0035A	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0035B	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0036A	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0036B	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0037A	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0037B	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAV-DF-0045	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0046	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAV-DF-0047	Fire	MH-66809	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0400AA	Fire	MH-67000	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0400AB	Fire	MH-67000	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0401AA	Fire	MH-67000	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0401AB	Fire	MH-67000	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0400BA	Fire	MH-67003	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0400BB	Fire	MH-67003	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0401BA	Fire	MH-67003	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0401BB	Fire	MH-67003	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0400CA	Fire	MH-67006	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0400CB	Fire	MH-67006	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0401CA	Fire	MH-67006	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0401CB	Fire	MH-67006	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ2-DF-0011A	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0011B	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0012A	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0012B	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0013A	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0013B	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0014A	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0014B	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0015A	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0015B	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0016A	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0016B	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0017A	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0017B	Fire	MH-67010	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0023A	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0023B	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0024A	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0024B	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0025A	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0025B	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0026A	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0026B	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0027A	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0027B	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0028A	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0028B	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0029A	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0029B	Fire	MH-67011	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0035A	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0035B	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0036A	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0036B	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0037A	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0037B	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0038A	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0038B	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0039A	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0039B	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ2-DF-0040A	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0040B	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0041A	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0041B	Fire	MH-67012	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0047A	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0047B	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0048A	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0048B	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0049A	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0049B	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0050A	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0050B	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0051A	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0051B	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0052A	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0052B	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0053A	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0053B	Fire	MH-67013	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0059A	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0059B	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0060A	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0060B	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0061A	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0061B	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0062A	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0062B	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0063A	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0063B	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0064A	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0064B	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0065A	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0065B	Fire	MH-67014	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0068A	Fire	MH-67015	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ2-DF-0068B	Fire	MH-67015	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ2-DF-0069A	Fire	MH-67015	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ2-DF-0069B	Fire	MH-67015	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ2-DF-0070	Fire	MH-67015	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ2-DF-0071A	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0071B	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0072A	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0072B	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0073A	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0073B	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0074A	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0074B	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0075A	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0075B	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0076A	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0076B	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0077A	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0077B	Fire	MH-67016	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0083A	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0083B	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0084A	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0084B	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0085A	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0085B	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0086A	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0086B	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ2-DF-0087A	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0087B	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0088A	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0088B	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0089A	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0089B	Fire	MH-67017	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0095A	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0095B	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0096A	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0096B	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0097A	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0097B	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0098A	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0098B	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0099A	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0099B	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0100A	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0100B	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0101A	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0101B	Fire	MH-67018	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0107A	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0107B	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0108A	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0108B	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0109A	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0109B	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0110A	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0110B	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0111A	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0111B	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0112A	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0112B	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0113A	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0113B	Fire	MH-67019	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0119A	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0119B	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0120A	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0120B	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0121A	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0121B	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0122A	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0122B	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0123A	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0123B	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0124A	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0124B	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0125A	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0125B	Fire	MH-67020	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0131A	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0131B	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0132A	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0132B	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0133A	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0133B	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0134A	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0134B	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0135A	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0135B	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0136A	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ2-DF-0136B	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0137A	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0137B	Fire	MH-67022	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0143A	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0143B	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0144A	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0144B	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0145A	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0145B	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0146A	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0146B	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0147A	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0147B	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0148A	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0148B	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0149A	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0149B	Fire	MH-67023	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0155A	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0155B	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0156A	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0156B	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0157A	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0157B	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0158A	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0158B	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0159A	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0159B	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0160A	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0160B	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0161A	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0161B	Fire	MH-67024	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0167A	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0167B	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0168A	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0168B	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0169A	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0169B	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0170A	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0170B	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0171A	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0171B	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0172A	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0172B	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0173A	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0173B	Fire	MH-67025	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0179A	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0179B	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0180A	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0180B	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0181A	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0181B	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0182A	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0182B	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0183A	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0183B	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0184A	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0184B	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0185A	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0185B	Fire	MH-67026	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ2-DF-0191A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0191B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0192A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0192B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0193A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0193B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0194A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0194B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0195A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0195B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0196A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0196B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0197A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0197B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0203A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0203B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0204A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0204B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0205A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0205B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0206A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0206B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0207A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0207B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0208A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0208B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0209A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0209B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0215A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0215B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0216A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0216B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0217A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0217B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0218A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0218B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0219A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0219B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0220A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0220B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0221A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0221B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0227A	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0227B	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0228A	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0228B	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0229A	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0229B	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0230A	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0230B	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0231A	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0231B	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0232A	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0232B	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0233A	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0233B	Fire	MH-67031	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0238A	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0238B	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0240A	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ2-DF-0240B	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0241A	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0241B	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0242A	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0242B	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0243A	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0243B	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0244A	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0244B	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0245A	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0245B	Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0251A	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0251B	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0252A	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0252B	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0253A	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0253B	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0254A	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0254B	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0255A	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0255B	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0256A	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0256B	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0257A	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0257B	Fire	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0263A	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0263B	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0264A	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0264B	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0265A	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0265B	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0266A	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0266B	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0267A	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0267B	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0268A	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0268B	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0269A	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0269B	Fire	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0275A	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0275B	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0276A	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0276B	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0277A	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0277B	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0278A	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0278B	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0279A	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0279B	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0280A	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0280B	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0281A	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0281B	Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0287A	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0287B	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0288A	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0288B	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0289A	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0289B	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ2-DF-3290A	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3290B	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3291A	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3291B	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3292A	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3292B	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3293A	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3293B	Fire	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3299A	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3299B	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3300A	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3300B	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3301A	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3301B	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3302A	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3302B	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3303A	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3303B	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3304A	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3304B	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3305A	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3305B	Fire	MH-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3311A	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3311B	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3312A	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3312B	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3313A	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3313B	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3314A	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3314B	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3315A	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3315B	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3316A	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3316B	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3317A	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3317B	Fire	MH-67040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3323A	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3323B	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3324A	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3324B	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3325A	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3325B	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3326A	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3326B	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3327A	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3327B	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3328A	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3328B	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3329A	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3329B	Fire	MH-67041	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3335A	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3335B	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3336A	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3336B	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3337A	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3337B	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3338A	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3338B	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-3339A	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ2-DF-0339B	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0340A	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0340B	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0341A	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0341B	Fire	MH-67042	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0347A	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0347B	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0348A	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0348B	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0349A	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0349B	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0350A	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0350B	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0351A	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0351B	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0352A	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0352B	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0353A	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0353B	Fire	MH-67043	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0359A	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0359B	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0360A	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0360B	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0361A	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0361B	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0362A	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0362B	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0363A	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0363B	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0364A	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0364B	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0365A	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0365B	Fire	MH-67044	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	HVZ2-DF-0371	Fire	MH-67045	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0002	Fire	MH-67060	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0004	Fire	MH-67060	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0010	Fire	MH-67060	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0006	Fire	MH-67061	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0008	Fire	MH-67061	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0373	Fire	MH-67061	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0374A	Fire	MH-67063	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ2-DF-0374B	Fire	MH-67063	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ2-DF-0375	Fire	MH-67064	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ2-DF-0376	Fire	MH-67064	(LATER)	STAINLESS	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0200AA	Fire	MH-67400	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0200AB	Fire	MH-67400	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0200AC	Fire	MH-67400	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0201AA	Fire	MH-67400	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0201AB	Fire	MH-67400	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0201AC	Fire	MH-67400	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0200BA	Fire	MH-67403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0200BB	Fire	MH-67403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0200BC	Fire	MH-67403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0201BA	Fire	MH-67403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0201BB	Fire	MH-67403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0201BC	Fire	MH-67403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0045	Fire	MH-67406	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0046	Fire	MH-67406	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0044	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ3-DF-0049	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0090	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0091	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0092	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0093	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0094	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0095	Fire	MH-67407	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0070	Fire	MH-67408	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0071	Fire	MH-67409	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0001	Fire	MH-67410	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0085	Fire	MH-67410	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0096	Fire	MH-67410	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0105	Fire	MH-67411	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0066A	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0066B	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0067	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0068	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0072	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0109	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0202A	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0202B	Fire	MH-67412	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0056	Fire	MH-67413	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0058	Fire	MH-67413	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0060	Fire	MH-67413	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0002	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0003	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0120	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0121	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0122	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0123	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0124	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0125	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0126	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0127	Fire	MH-67415	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0047	Fire	MH-67416	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0048	Fire	MH-67416	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0088	Fire	MH-67416	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0089	Fire	MH-67416	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0097	Fire	MH-67417	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0098	Fire	MH-67417	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0099	Fire	MH-67417	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0100	Fire	MH-67417	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0101	Fire	MH-67418	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0102	Fire	MH-67418	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0103	Fire	MH-67418	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0104	Fire	MH-67418	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0151	Fire	MH-67419	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0152	Fire	MH-67419	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0153	Fire	MH-67419	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0154	Fire	MH-67419	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0050AA	Fire	MH-67600	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0050AB	Fire	MH-67600	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0051AA	Fire	MH-67600	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0051AB	Fire	MH-67600	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0050BA	Fire	MH-67603	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0050BB	Fire	MH-67603	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0051BA	Fire	MH-67603	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0051BB	Fire	MH-67603	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0050CA	Fire	MH-67606	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2

TABLE 1 **SAFETY RELATED HVAC FIRE DAMPERS** **SECTION 23 3313.16**

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ3-DF-0050CB	Fire	MH-67606	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0051CA	Fire	MH-67606	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0051CB	Fire	MH-67606	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 2
	HVZ3-DF-0073	Fire	MH-67609	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0010	Fire	MH-67611	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0117	Fire	MH-67611	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0011	Fire	MH-67612	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0012	Fire	MH-67612	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0013	Fire	MH-67612	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0079	Fire	MH-67612	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0014	Fire	MH-67613	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0080	Fire	MH-67613	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0015A	Fire	MH-67614	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0015B	Fire	MH-67614	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0016A	Fire	MH-67614	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0016B	Fire	MH-67614	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0020A	Fire	MH-67615	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0020B	Fire	MH-67615	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0022A	Fire	MH-67616	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0022B	Fire	MH-67616	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0026	Fire	MH-67617	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0027	Fire	MH-67617	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0032	Fire	MH-67617	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0033A	Fire	MH-67618	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0033B	Fire	MH-67618	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0118	Fire	MH-67618	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0008	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0030	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0037	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0128	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0129	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0130	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0131	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0132A	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0132B	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0133A	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0133B	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVZ3-DF-0134	Fire	MH-67620	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0005	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0006	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0007	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0074	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0075	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0081	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0135	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0136	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0137	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0138	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0139	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0140	Fire	MH-67621	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0078	Fire	MH-67622	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0115	Fire	MH-67622	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0116	Fire	MH-67622	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0028	Fire	MH-67623	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0035	Fire	MH-67623	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0029	Fire	MH-67624	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0119	Fire	MH-67624	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0034	Fire	MH-67625	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0146	Fire	MH-67625	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	

Status	Client Tag	Damper Type	P&ID No	Physical Drawing Number	Material	Duct Shape (in)	Damper Position	Sleeve Size (in)	Sleeve Length (in)	Type of Link	Air Flow Rate (acfm)	Safety Class	Seismic Class	NOTE
	HVZ3-DF-0147	Fire	MH-67625	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0009	Fire	MH-67626	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3 DF 0077	Fire	MH 67626	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVZ3-DF-0141	Fire	MH-67903	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0142	Fire	MH-67903	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0143	Fire	MH-67903	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0144	Fire	MH-67903	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVZ3-DF-0145	Fire	MH-67903	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAM-DF-0001A	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAM-DF-0001B	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAM-DF-0002A	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAM-DF-0002B	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAM-DF-0003A	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAM-DF-0003B	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAM-DF-0004A	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAM-DF-0004B	Fire	MH-68403	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAF-DF-0001AA	Fire	MH-68600	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAF-DF-0001AB	Fire	MH-68600	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAF-DF-0001BA	Fire	MH-68601	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAF-DF-0001BB	Fire	MH-68601	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAL-DF-0050A	Fire	MH-68707	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAL-DF-0050B	Fire	MH-68707	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAL-DF-0051A	Fire	MH-68707	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAL-DF-0051B	Fire	MH-68707	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAS-DF-0001A	Fire	MH-68900	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAS-DF-0001B	Fire	MH-68900	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAS-DF-0003A	Fire	MH-68900	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAS-DF-0003B	Fire	MH-68900	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAD-DF-0001A	Fire	MH-69000	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAD DF 0001B	Fire	MH 69100	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAD-DF-0027	Fire	MH-69500	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
	HVAE-DF-0003	Fire	MH-69700	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	
	HVAE-DF-0004	Fire	MH-69700	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAE-DF-0005	Fire	MH-69700	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAE-DF-0006	Fire	MH-69700	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAE-DF-0007	Fire	MH-69700	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
	HVAE-DF-0008	Fire	MH-69700	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	

Notes:

1: SC Fire damper is located at Security Barrier and shall have a penetration detail as shown in FIGURE 2, ATTACHMENT 11

2: SC Fire damper is located at Security Barrier and shall have a penetration detail as shown in FIGURE 3, ATTACHMENT 11.

3: SC Fire damper will be partially installed outside of the floor slab and will have the penetration detail shown in FIGURE 4, ATTACHMENT 11.

SUPPLIER / CONTRACTOR QUESTIONAIRE

Enter Dun and Bradstreet (DUNS) Number:	

1. GENERAL INFORMATION

NAME OF COMPANY (Full Legal Name)

STREET ADDRESS	CITY - STATE - ZIP CODE
MAILING ADDRESS	CITY - STATE - ZIP CODE

TELEPHONE	FACSIMILE	E-MAIL
WEBSITE	TELEX/TWX/CABLE	OTHER

A. Type of Business (check box or boxes) ☐ CORPORATION OR COMPANY ☐ SUBSIDIARY ☐ DIVISION ☐ PARTNERSHIP

Name and location of Parent Company _____ DUNS No. _____

If a Division, enter name and location of Corporate Headquarters _____ DUNS No. _____

If more than one DUNS number applies to your operation, attach additional explanatory page(s).

B. Type of Facility (check box or boxes)
☐ MANUFACTURER/ FABRICATOR ☐ DISTRIBUTOR/ SUPPLY HOUSE ☐ ASSEMBLY/ SHOP ☐ MANUFACTURERS REPRESENTATIVE
☐ CONSTRUCTION ☐ ARCHITECT/ ENGINEER ☐ TECHNICAL SERVICE ☐ GENERAL SERVICE
☐ OTHER (SPECIFY) _____

C. Enter Applicable SIC Codes:	
D. Enter Applicable NAICS Codes (North America):	

E. Date Business Founded:		Under Present Ownership Since:	
F. Number of Employees (All Facilities) Manual:		Non-Manual:	

G. Small, Disadvantaged, Women-Owned or Veteran Status

Check Applicable Boxes ☐ SMALL ☐ WOMEN-OWNED ☐ DISADVANTAGED: ☐ HUB ZONE
☐ VETERAN OWNED ☐ SERVICE DISABLED VETERAN OWNED

2. FINANCIAL INFORMATION (This section MUST BE COMPLETED for consideration. Information is kept CONFIDENTIAL.)

A. Banking Reference:	

B. Annual Sales Volume (Last 3 Years): YR ____ $ _____ YR ____ $ _____ YR ____ $ _____

C. Present Net Worth		Bank Phone No.	

Can you furnish a Performance Bond?	☐ Yes	☐ No	

If "Yes", indicate dollar limits.	☐ To $250,000	☐ To $500,000	☐ To $1,000,000	☐ To $5,000,000	☐ To $10,000,000	☐ $25,000,000 and up

Surety _____ Agent _____ Phone No. _____

D. If required, can you furnish a Bank Guarantee or Letter of Credit? ☐ Yes ☐ No If "Yes," indicate dollar limits below:

☐ To $250,000 ☐ To $500,000 ☐ To $1,000,000 ☐ To $5,000,000 ☐ To $10,000,000 ☐ $25,000,000 and Up

Surety _____ Bank _____ Phone No. _____

E. Current Financial Ratios (Public companies only)			
Working Capital / Total Assets		Retained Earnings / Total Assets	
Earnings Before Interest and Taxes / Total Assets		Market Value of Equity / Total Liabilities	
Sales / Total Assets			
F. Current Financial Ratios (Private companies only)			
(Current Assets-Current Liabilities) / Total Assets		Retained Earnings / Total Assets	
Earnings Before Interest and Taxes / Total Assets		Book Value of Equity / Total Liabilities	
Sales / Total Assets			

3. PERSONNEL (For this location –State "Not Applicable" if the position does not exist at this location)

A. President:		D. Engineering Manager:	
B. Sales Manager:		E. QA/QC Manager:	
C. Production Manager:		F. Field Support Manager:	

4. LABOR RELATIONS – Shop Fabrication

(List all crafts with which you have contracts and/or working agreements. Check here if not applicable: ☐

	CRAFT	EXPIRATION DATE		CRAFT	EXPIRATION DATE
1.			3.		
2.			4.		

5. PLANT OPERATIONS *(For this facility only. Use a separate Page 2 for other facilities)* Check here if not applicable ☐

A. Name/Address of This Facility *(if different than for facility named at top of Page 1)*

Name _____ Address _____ Phone _____

_____ _____ Facsimile _____

B. Number of Employees at This Facility:		C. Plant in Operation Since:	

D. Do you have a Quality Assurance/ program written to comply with the following:

Nuclear related activities – 10CFR 830, Subpart A and DOE Order O 414.1C, Contractor requirements document (Attachments 2, 3 and 4) as implemented through a quality assurance program compliant with ASME NQA-1-2000.

Other: Specify_____

Non Nuclear related activities – 10 CFR 830, Subpart A and DOE Order O 414.1.C, Contractor requirements document (Attachments 2, 3 and 4) as implemented through a quality assurance program compliant with ISO 9001-2000

Other: Specify_____

Nuclear ☐ Yes ☐ No Other Certification (Please Specify) _____

ISO 9001 ☐ Yes ☐ No Other Certification (Please Specify) _____

For your Quality Assurance/Quality Control program(s), attach the Table of Contents from relevant manual(s) or, on additional pages, describe the method and level of compliance standard(s).

E. Export Capabilities PROVIDE EXPORT PACKING? ☐ YES ☐ NO FAMILIAR WITH EXPORT FORMALITIES? ☐ YES ☐ NO

F. Shipping Facilities RAIL SIDING ☐ TRUCK DOCKS ☐ WATER ACCESS ☐ WATER ACCESS DRAFT _____ meters

6. BIDDING INTEREST AND QUALIFICATIONS

A. Indicate your relebant experience and qualifications as described in the attached "Scope of Work".
(Attach additional pages if necessary)

B. Indicate appropriate Contract/Purchase Order dollar range within which you prefer, and are currently able, to bid (i.e., $250,000 to $1,500,000)

$ to $

C. Indicate Industry or Code Certifications (ASME, API, TEMA, Class of Code-Stamp, etc.)

	CERTIFICATION	EXPIRATION DATE		CERTIFICATION	EXPIRATION DATE
1.			4.		
2.			5.		
3.			6.		

D. Subcontract Services (List type of work normally subcontracted to others)

7. PROFESSIONAL LICENSES

Indicate the work category you are licensed for and the area(s) (Country/State/Province) in which you hold each. Attach additional pages, if necessary.

	TYPE OF LICENSE	LOCATION		TYPE OF LICENSE	LOCATION
1.			4.		
2.			5.		
3.			6.		

8. ENGINEERING, ARCHTECTURAL AND OTHER TECHNICAL SERVICES CONTRACTORS / SPECIFIC DATA LISTINGS

A. In addition to circling applicable work categories in Appendix A (Goods and Services Codes), also indicate fields of specialization by your firm (i.e., chemical engineering, hydrology, geology, ecological surveying, etc.) on the bottom of the appendix.

B. List Personnel by Discipline (Number on Staff)

_____	Administrative	_____	Electrical Engineers	_____	Oceanographers
_____	Architects	_____	Estimators	_____	Planners (Urban/Regional)
_____	Chemical Engineers	_____	Geologists	_____	Sanitary Engineers
_____	Construction Inspectors	_____	Interior Designers	_____	Specification Writers
_____	Draftsman	_____	Landscape Architects	_____	Structural Engineers
_____	Ecologists	_____	Mechanical Engineers	_____	Surveyors
_____	Economists	_____	Mining Engineers	_____	Transportation Engineers

9. WORK HISTORY *(Complete the attached Work History form per Appendix "C" and attach to this Questionnaire)*

Also attach a list of permanent offices and any brochures that further describe your company's activities and capabilities. Please do not include product catalogs, inventory or price lists.

10. SAFETY & HEALTH EXPERIENCE *(Complete the attached S&H form per Appendix "D" and attach to this Questionnaire)*

11. SOCIAL AND ENVIRONMENT SUSTAINABILITY INITIATIVES *(Check all that are employed through company initiatives)*

☐ Written environmental policy	☐ Products that have achieved "Cradle-to-Cradle" certification
☐ Environmental performance integrated into corporate mission	☐ Policies and practices to minimize fuel usage or use of alternative energy
☐ Social performance integrated into corporate mission	☐ Initiatives to mitigate environmental impacts of finished

	products
☐ Annual report detailing its mission-related performance (e.g. corporate social and environmental targets)	☐ Code of conduct holding subsuppliers accountable for social and environmental performance
12. COMPLETED BY:	
SIGNATURE	TITLE
NAME	DATE

APPENDICES:

APPENDIX "A" – GLOSSARY FOR SMALL, DISADVANTAGED, WOMEN-OWNED AND VETERAN ENTERPRISES

APPENDIX "C" – CONTRACTOR/SUPPLIER WORK HISTORY

APPENDIX "D" – CONTRACTOR SAFETY & HEALTH QUALIFICATION DATA

APPENDIX A

GLOSSARY FOR SMALL, DISADVANTAGED, WOMEN-OWNED, AND VETERAN ENTERPRISES

Following are definitions of small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUB Zone small business concerns, minority business enterprises, small disadvantaged business concerns, women-owned small business concerns and labor surplus area business concerns (all called "Enterprises") as defined by the U.S. Federal Acquisition Regulations:

Small-Business Concern	Firms, including affiliates, that are independently owned and operated, not dominant in the field of operation in which they are bidding on Government contracts, and that qualify under the criteria and size standards for small businesses in 13 CFR Part 121 as determined by the SBA.
HUB Zone	A historically underutilized business zone which is located within one or more qualified census tracts, qualified metropolitan counties, or lands within the external boundaries of an Indian reservation. HUBZone's appear on the List of Qualified HUBZone Small Business Concerns maintained by the SBA.
Veteran-owned Small Business Concern	A small business concern – (1) not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and (2) the management and daily business operations of which are controlled by one or more veterans.
Service-disabled Veteran-owned small Business Concern	(1) A small business concern – (i) not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and (ii) The management and daily business operations of which are controlled by one or more service-disabled or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran. (2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).
Small Disadvantaged Business Concern (Minority)	An offeror that represents, as part of its offer, that it is a small business under the size standard applicable to the acquisition; and either – It self certifies as a small disadvantaged business concern consistent with 13 CFR part 124, subpart B; and (i) No material change in disadvantaged ownership and control has occurred since its certification; (ii) Where the concern is owned by one or more disadvantaged individuals upon whom the certification is based does not exceed $750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and (iii) It is identified, on the date of its representation, as a self certified small disadvantaged business concern in the database maintained by the SBA (Central Contractor Registration (CCR)).
Women-Owned Small Business Concern	A small business concern – 1) which is at least 51 percent owned by one or more women: or in the case of any publicly owned business, at least 51 percent of the stock which is owned by one or more women; and 2) whose management and daily operations are controlled by one or more women.

APPENDIX C

CONTRACTOR/SUPPLIER WORK HISTORY

The Contractor submits the following statement as to its experience qualifications:

1. If stated in the cover letter, provide only experience in work similar in type and magnitude to the identified Work Scope.
2. All awarded contracts have been satisfactorily completed, except as follows (Name any and all exceptions and reasons therefore, attaching additional pages if necessary):

_____

_____

_____

3. The following contracts are currently in progress or have been satisfactorily completed within the last three years or the period specified in the cover letter.
4. If you have not worked in the country specified in the cover letter within the period outlined in 3 above, add a separate page listing any work ever performed in that country. **[Item 4 does not apply to U.S. work.]**
5. Column Completion Notes:
   a. Name and Address. For past Bechtel work, include Bechtel Job No. and also asterisk any work requiring nuclear quality assurance.
   b. Work Description. Describe work scope and then indicate if prime or subcontract.
   c. Start/Stop. Provide starting date and actual/forecast completion by mo/yr, e.g., Jan 93/Sep94.
   d. Schedule and Budget. State either "over", "on", or "under" the contract schedule and budget.

Contractor/SUPPLIER WORK HISTORY							
	Customer Name, address, representative and phone no.	**Work Description**	**Location**	**Value**	**Start/Stop**	**Schedule**	**Budget**

List any awarded Contracts/Purchase Orders that were not satisfactorily completed: (List any and all exceptions and reasons therefore, attaching additional pages if necessary):

APPENDIX D

CONTRACTOR SAFETY AND HEALTH QUALIFICATION DATA

NAME OF COMPANY: _____

The above named Company submits the following Safety & Health qualification data:

1. SAFETY PERFORMANCE

1.1.a Provide a brief description of each fatality your firm has incurred in the three most recent years (add pages if required):

Year 20[ ]	Year 20[ ]	Year 20[ ]

1.1.b Provide a brief description of each fatality by any sub-tier subcontractor working under your direction has incurred in the three most recent years (add pages if required):

Year 20[ ]	Year 20[ ]	Year 20[ ]

1.2.a Provide the following information on your firm for the three most recent years:

	20[ ]	20[ ]	20[ ]
a. Number of lost workday cases.			
b. Number of restricted workday cases.			
c. Number of cases with medical attention only.			
d. Number of fatalities.			
e. Number of hours worked.			

1.2.b Provide the following information on any sub-tier subcontractor working under your direction for the three most recent years:

	20[ ]	20[ ]	20[ ]
a. Number of lost workday cases.			
b. Number of restricted workday cases.			
c. Number of cases with medical attention only.			
d. Number of fatalities.			
e. Number of hours worked.			

2. Are accident reports and report summaries sent to the following and how often?

	No	Yes	Monthly	Quarterly	Annually
a. Project Superintendent/Site Manager.	☐	☐	☐	☐	☐
b. Vice President/Manager of Construction	☐	☐	☐	☐	☐
c. Safety Director	☐	☐	☐	☐	☐
d. President of Firm	☐	☐	☐	☐	☐

3. Do you hold site safety meetings for field employees both Manual and Non-Manual?

Yes ☐ No ☐

How Often?

Weekly ☐ Bi-Weekly ☐ Monthly ☐ Less Often, As needed ☐

4. Do you conduct project safety inspections?

Yes ☐ No ☐

If yes, who conducts this inspection?

TITLE	HOW OFTEN?

5. How are accident records and accident summaries kept? How often are they reported?

	No	Yes	Monthly	Annually
a. Accidents totaled for the entire company	☐	☐	☐	☐
b. Accidents totaled by project	☐	☐	☐	☐
(1) Subtotaled by superintendent	☐	☐	☐	☐
(2) Subtotaled by foreman	☐	☐	☐	☐

6. How are costs of individual accidents kept? How often are they reported?

	No	Yes	Monthly	Annually
a. Costs totaled for the entire company	☐	☐	☐	☐
b. Costs totaled by project	☐	☐	☐	☐
(1) Subtotaled by superintendent	☐	☐	☐	☐
(2) Subtotaled by foreman	☐	☐	☐	☐

7. List key Safety and Health personnel planned for this project. Please list name and expected position. When a project has not been specified, list key company personnel.

NAME	POSITION	PROPOSED / CURRENT PROJECT

Attachment

8. Do you have a written safety & health program?

Yes ☐ No ☐

If yes, submit a copy for evaluation.

9. Do you have an orientation program for new hires?

Yes ☐ No ☐

If yes, submit a copy for evaluation. Does it include instruction on the following?

	Yes	No		Yes	No
a. Head protection	☐	☐	i. Fire protection	☐	☐
b. Eye protection	☐	☐	j. First aid facilities	☐	☐
c. Hearing protection	☐	☐	k. Emergency procedures	☐	☐
d. Respiratory protection	☐	☐	l. Toxic substances	☐	☐
e. Safety belts and lifeline	☐	☐	m. Trenching and excavation	☐	☐
f. Scaffolding	☐	☐	n. Signs, barricades, flagging	☐	☐
g. Perimeter guarding	☐	☐	o. Electrical safety	☐	☐
h. Housekeeping	☐	☐	p. Rigging and crane safety	☐	☐
	☐	☐	q. Road Safety (Driving)	☐	☐

10. Do you have a program for newly hired or promoted foremen?

Yes ☐ No ☐

If yes, submit a copy for evaluation. Does it include the following?

	Yes	No		Yes	No
a. Safe work practices	☐	☐	e. First aid procedures	☐	☐
b. Safety supervision	☐	☐	f. Accident investigation	☐	☐
c. Toolbox meetings	☐	☐	g. Fire protection and prevention	☐	☐
d. Emergency procedures	☐	☐	h. New worker orientation	☐	☐

11. Do you hold craft "toolbox" safety meetings?

Yes ☐ No ☐

How Often?

Weekly ☐ Bi-Weekly ☐ Monthly ☐ Less Often, As needed ☐

12. Do you have a written Hazard Communication program?

Yes ☐ No ☐

If yes, how is it implemented on each project?

Attachment

13. Do you have/require Material Safety Data Sheets (M.S.D.S.) for material/chemicals/equipment?

Yes ☐ No ☐

If yes, explain field procedure for informing craft workers about potential hazards:

14. List three (3) client references that could verify the quality and management commitment of your safety program.

	Name	Address	Phone No.
a.			
b.			
c.			

Attachment

Supplier Quality Assurance Questionnaire

	SUPPLIER QUALITY ASSURANCE QUESTIONNAIRE	

Supplier or Sub-Tier Name:

Location/Address of Supplier facility (ies):

Product Description:

Does the manufacturer (distributors should obtain the assistance of the manufacturer to complete this) or contractor have a written Quality Assurance Program (QAP) Management System that is developed, implemented and maintained?

Yes ☐ No ☐ [Hint: Double-click on a box to default to checked, then cut and paste box for the rest of the answers.]

QA/QC MANUAL TITLE _____

REVISION AND ISSUE DATE _____

ATTACH A TABLE OF CONTENTS OR LISTING AND OTHER SUPPORTING INFORMATION TO THE QUESTIONNAIRE

QA/QC program table of contents and other supporting information attached? Yes ☐ No ☐

IDENTIFY CODES AND/OR STANDARDS WITH WHICH YOUR QA/QC PROGRAM COMPLIES

Codes/Standards/Supplements	Yes	No	Comments/Equivalent
1. DOE Order 414.1__ (identify version), Attachment 2	☐	☐	
2. ASME NQA-1 _____ (identify year)	☐	☐	
3. ASME Section _____ (Certificate No._____)	☐	☐	
4. ISO _____ (Certificate No. _____)	☐	☐	

5. What industry standards do you currently use to develop software/firmware? _____

6. Other Codes and Standards: _____

ASME NQA-1-2008/ASME NQA-1a-2009

Indicate whether your QA/QC Manual and/or implementing procedures address the following:

ASME NQA-1 Program Elements	Yes	No	Procedure/Manual
ASME NQA-1, Requirement 1, Organization	☐	☐	
ASME NQA-1, Requirement 2, Quality Assurance Program	☐	☐	
ASME NQA-1, Requirement 2, Auditor/Lead Auditor Qualifications	☐	☐	
ASME NQA-1, Requirement 2, Qualification of Inspection and Test Personnel	☐	☐	
ASME NQA-1, Requirement 2, Qualification of Nondestructive Testing Personnel	☐	☐	
ASME NQA-1, Requirement 3, Design Control	☐	☐	
Do you develop software in accordance with NQA-1 software engineering requirements?	☐	☐	
ASME NQA-1, Requirement 4, Procurement Document Control	☐	☐	
ASME NQA-1, Requirement 5, Instructions, Procedures, and Drawings	☐	☐	

Indicate whether your QA/QC Manual and/or implementing procedures address the following:			
ASME NQA-1 Program Elements	**Yes**	**No**	**Procedure/Manual**
ASME NQA-1, Requirement 6, Document Control	☐	☐	
ASME NQA-1, Requirement 7, Control of Purchased Items and Services	☐	☐	
Do you dedicate commercial off-the-shelf software for use as a Commercial Grade Item in accordance with NQA-1 requirements?	☐	☐	
ASME NQA-1, Requirement 8, Identification and Control of Items	☐	☐	
ASME NQA-1, Requirement 9, Control of Special Processes Identify the welding codes_____	☐	☐	
ASME NQA-1, Requirement 10, Inspection	☐	☐	
ASME NQA-1, Requirement 11, Test Control	☐	☐	
ASME NQA-1, Requirement 12, Control of Measuring and Test Equipment	☐	☐	
Do your reference standards have a minimum accuracy four times greater than that of the measuring and test equipment being calibrated?	☐	☐	
ASME NQA-1, Requirement 13, Handling, Storage, and Shipping	☐	☐	
ASME NQA-1, Requirement 14, Inspection, Test, and Operating Status	☐	☐	
ASME NQA-1, Requirement 15, Control of Nonconforming Items	☐	☐	
ASME NQA-1, Requirement 16, Corrective Action	☐	☐	
ASME NQA-1, Requirement 17, Quality Assurance Records	☐	☐	
ASME NQA-1, Requirement 18, Audits	☐	☐	
ASME NQA-1, Subpart 2.2, Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage, and Handling of Items for Nuclear Power Plants	☐	☐	
ASME NQA-1, Subpart 2.7, Quality Assurance Requirements for Computer Software for Nuclear Facility Applications	☐	☐	
ASME NQA-1, Subpart 2.14, Quality Assurance Requirements for Commercial Grade Items and Services	☐	☐	
Identify other ASME NQA-1 Part II, Subparts applicable to the quality assurance/quality control program_____			

DOE ORDER 414.1

Indicate whether your QA/QC Manual and/or implementing procedures address the following:			
DOE ORDER 414.1 Requirement	**Yes**	**No**	**Procedure/Manual**
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (1) - Program Establish an organizational structure, functional responsibilities, levels of authority, and interfaces for those managing, performing, and assessing work. Establish management processes, including planning, scheduling, and providing resources for work. (An NQA-QA program will need to describe the management process for providing resources.)	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (2) - Personnel Training and Qualification Establish an organizational structure, functional responsibilities, levels of authority, and interfaces for those managing, performing, and assessing work. Establish management processes, including planning, scheduling, and providing resources for work.	☐	☐	

Indicate whether your QA/QC Manual and/or implementing procedures address the following:			
DOE ORDER 414.1 Requirement	**Yes**	**No**	**Procedure/Manual**
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (3) - Quality Improvement Establish and implement processes to detect and prevent quality problems. Identify, control, and correct items, services, and processes that do not meet established requirements. Identify the causes of problems and work to prevent them. Review item characteristics, process implementation, and other quality-related information to identify items, services, and processes needing improvement. (The DOE Order extends the requirements of NQA-1 to all problems including all conditions [not limited to significant] adverse to quality and to all nonconforming items [not limited to generic]).	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (4) - Documents and Records Prepare, review, approve, issue, use, and revise documents to prescribe processes, specify requirements, or establish design. Specify, prepare, review, approve, and maintain records.	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (5) - Work Processes Perform work consistent with technical standards, administrative controls, and hazard controls adopted to meet regulatory or contract requirements using approved instructions, procedures, etc. Identify and control items to ensure their proper use. Maintain items to prevent their damage, loss, or deterioration. Calibrate and maintain equipment used for process monitoring or data collection.	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (6) - Design Design items and processes using sound engineering/scientific principles and appropriate standards. Incorporate applicable requirements and design bases in design work and design changes. Identify and control design interfaces. Verify/validate the adequacy of design products using individuals or groups other than those who performed the work. Verify/validate work before approval and implementation of the design.	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (7) - Procurement Procure items and services that meet established requirements and perform as specified. Evaluate and select prospective suppliers on the basis of specified criteria. Establish and implement processes to ensure that approved suppliers continue to provide acceptable items and services.	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (8) - Inspection and Acceptance Testing Inspect and test specified items, services, and processes using established acceptance and performance criteria. Calibrate and maintain equipment used for inspections and tests.	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (9) - Management Assessment Ensure that managers assess their management processes and identify and correct problems that hinder the organization from achieving its objectives.	☐	☐	
DOE Order 414.1, Attachment 2, Quality Assurance Criterion (10) - Independent Assessment Plan and conduct independent assessments to measure item and service quality and the adequacy of work performance and to promote improvement. Establish sufficient authority and freedom from line management for independent assessment teams. Ensure that persons conducting independent assessments are technically qualified and knowledgeable in the areas to be assessed.	☐	☐	

Indicate whether your QA/QC Manual and/or implementing procedures address the following:			
DOE ORDER 414.1 Requirement	**Yes**	**No**	**Procedure/Manual**
DOE Order 414.1, Attachment 2, Suspect/Counterfeit Items Preventing the introduction and use of S/CIs through engineering involvement, design, procurement, testing, inspection, maintenance, evaluation, disposition, reporting, trend analysis, and lessons learned work process controls. Training and informing managers, supervisors, and workers on S/CI processes and controls (including prevention, detection, and disposition of S/CIs). Identifying and disposing of S/CIs on site. Restricting S/CI use to only those items that have been found acceptable through engineering analysis and formal disposition process. Collecting, maintaining, disseminating, and using the most accurate, up-to-date information on S/CIs and associated suppliers using all available sources. (An NQA-1 QA program will need to be expanded to address Suspect/Counterfeit items.)	☐	☐	
DOE Order 414.1, Attachment 2, Safety Software Quality Requirements Is your software quality assurance program based on national or international standards? If yes, identify which ones apply below: ___ASME NQA-1, Part I, Requirement 3 ___ASME NQA-1, Part I, Requirement 11 ___ASME NQA-1, Part II, Subpart 2.7 Other_____	☐	☐	
DOE Order 414.1, Attachment 2, Safety Software Quality Requirements Is your software quality assurance program based on DOE G 414.1-4, *Safety Software Guide for use with 10 CFR 830 Subpart A, Quality Assurance Requirements, and DOE O 414.1C, Quality Assurance*?	☐	☐	
DOE Order 414.1, Attachment 2, Safety Software Quality Requirements Does your quality assurance program define a process for identifying and evaluating software failures and their effects on system performance (software hazard analysis)?	☐	☐	
DOE Order 414.1, Attachment 2, Safety Software Quality Requirements Does your software quality assurance program define a method for grading safety software and establishing controls based on the level of importance?	☐	☐	
DOE Order 414.1, Attachment 2, Safety Software Quality Requirements Does your software quality assurance program include controls for software configuration management and quality planning, software risk management, software procurement and supplier management, software requirements identification and management, software design and implementation, software verification and validation, and problem reporting and corrective action?	☐	☐	
DOE Order 414.1, Attachment 2, Safety Software Quality Requirements Do you train personnel who design, develop, or use safety software?	☐	☐	

General

Do you understand the questions above? Yes ☐ No ☐

If no, please provide your comments or suggestions. Also, provide any additional information relevant to your quality assurance program.

Preparer_____ Signature_____ Title_____
Date_____