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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 Reading Room

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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
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Form 678 (05/10)

UNCLASSIFIED

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.

Point Of Contact: Michael A. Murphy mamurphy@lanl.gov

TJ Spitzmiller tjspitz@lanl.gov



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.

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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:
Total Recordable Injury/Illness Case Rate (from Company OSHA 300 log)	Rate = <u>Total Recordable Injuries/Illnesses x 200,000</u> Total Employee Hours Worked	Maximum Allowable Average:
DART Case Rate (Days Away From Work, Restriction, or Job Transfer) (from Company OSHA 300 log)	Rate = <u>Total Days Away/Restricted/Transferred Work Day</u> <u>Cases x 200,000</u> Total Employee Hours Worked	Maximum Allowable Average:

- 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.

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Interested contractors that meet the above criteria may contact Mike Murphy, CMRR Purchasing Manager (<a href="maintenant-maintenant

100320-SPEC-ENG-044 Page 3 of 3

TABLE 1

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(ATER) (ATER)	33	GALV. GALV. GALV. GALV. GALV.	(LATER) GALV.		MH-67010 MH-67010 MH-67010 MH-67010 MH-67010 MH-67010 MH-67010 MH-67010
A 1750)	33	GALV. GALV. GALV. GALV. GALV.	(ATER) GALV. (LATER) GALV.		MH-67010 MH-67010 MH-67010 MH-67010 MH-67010 MH-67010 MH-67010
DATE OF ATTENDED		GALV	(ATER) GALV. (ATER) GALV. (ATER) GALV. (ATER) GALV. (ATER) GALV. (ATER) GALV.		MH-67010 MH-67010 MH-67010 MH-67010 MH-67010 MH-67010
A ATERNAL ALATERNA	// AT	GALV	(ATER) GALV. (ATER) GALV. (ATER) GALV. (ATER) GALV. (ATER) GALV. (ATER) GALV.		MH-67010 MH-67010 MH-67010 MH-67010 MH-67010
Carry Carry	5	GALV.	(ATER) GALV. (ATER) GALV. (LATER) GALV. (LATER) GALV. (LATER) GALV.		MH-67010 MH-67010 MH-67010 MH-67010
(AIEK) (AIEK)	5	GALV	(LATER) GALY. (LATER) GALY. (LATER) GALY. (LATER) GALY.		MH-67010 MH-67010 MH-67010 MH-67010
TED) A STEDY A STEDY A STED	A P	CALV	(LATER) GALV.		MH-67010
WICK CALLS		SALV.	(LATER) GALV.		MIR-67010
(CATER) (LATER)	5	200	(LATER) GALV.		MH-6/010
(CALER) (CALER)	5	CANE V.	THE PARTY OF THE P		
(CATER) (CATER)	3	GALY.	(LAIER) GALY.		2000
(LATER) (LATER) (LATER) (LATER)	(A)	GALV	9	(LATER) G	MH-67010 (LATER) G
(LATER) (LATER) (LATER) (LATER)	(LAT	GALV	(LATER) GALV.		MH-67010
	(LAT	GALV	(LATER) GALV.	MH-07010 (LATER) GALV.	
(LATER)	S. CAI	GAL	(LATER) GAL		MH-67011
(LATER) (LATER)	V	G	(LATER) GAU		MH-670111
A ATTEN A ATTEN	V CAL	9	(LATER) GA		MH-67011
(LATER) (LATER)	IV //AT	S	(LATER) GA	MH-67011 (LATER) GA	MH-87011
A ATTERN ATTERN	IV UAT	d	(LATER)		
COLUMN TO A SECOND	40.00	1		A ATEG	MIL 87015
(LATER) (LATER) (LATER) (LATER)	_	3 8	(ATER)	(ATER)	(ATER)
(IATER)	H	GALV		ILATERI G	MH-67011 ILATERI G
(I TTER) (I ATTER)	-	3		III (I ATER) G	MALEZDITI (LATER) G
(LATER) (LATER) (LATER) (LATER)	(A)	OAL	(LATER) GALL		MRH-07011
(LEEN) (LEEN)	TALL	GALU	(I ATER) GALU		MH-87011
COLUMN COLUMN		1	STATE OF THE PARTY		MIL 87011
(LAIER) (LAIER)	5	S. S. S.	(LAIEK) GALV.		Mar-orunia
(LATER) (LATER)	3	GALV.	(LATER) GALV.		MBH-87011
CATERS	3	GALV.	(LATER) GALV.		MH-67011
(LATER)	(A)	GALV	(LATER) GALV.		MH-87012
N ATCOL	17.0	CALL	A ATEGY		20mm 日 10mm 10mm 10mm 10mm 10mm 10mm 10mm
(ATED)	5 5	SAL L	-	ATED)	ATED.
A ZTEO	5 7	1142		A ATEDI	MU AZDIO A ATEDI
1	5	CALLY	(CALEN)		
(LATER) (LATER)	3	GALV.	9	(LAIER) G	MH5/012 (LAIER) G
(LATER) (LATER)	_	GALV	(LATER) GALIV	(LATER) G	MH-67012 (LATER) G
(LATER) (LATER) (LATER) (LATER)	2	GALV	(LATER) GALV	MH-67012 (LATER) GALV	
(LATER) (LATER)	١.	GALV	9	9	MH-67012 (LATER) G
(LATER)	3	SAL.	(LATER) GAL		
(LATER) (LATER)	(A	GALV.	(LATER) GALV.	MH-87012 (LATER) GALV.	MH-67012

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SAFETY RELATED HVAC FIRE DAMPERS

TABLE 1

MOTE	Note 3	Note 3	Note 3	Note 3	None 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	NORG	Notes	Note 3	Note 3	Note 3	Mole 3	Modes 2	Mohr 3	Note 3	Note 3	Note 3	Note 3					Note 3	Note 3	Note 3	Note 3	PACIFIC C	Mode 5	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Month 3	Note 3	Note 3	Note 3	Note 3	Note 3							
Soismic Class	E)d	E 22.	PCS	PC3	ន		3 2	5 2	2	ដ	2 2	28	3 2	3 2	PCS	8	ස	සි	ន្ត	3 8	3	Į,	32	36	3 2	32	E S	PC3	PC3	සු	ជ្ជ	38	3 2	ş	చ్	ಬ್	ដូ	38	3 8	3 3	នួ	នួ	2	ឆ្ន	2	3 5	38	Ş	S	Ω.	2 2	3 22	,
Safety Class	SC	S	သွ	၁၀	S	ي ر	ກູບ	S	SC	သွ	သွ	200	3 6	3 6	S	SC	သွင	သွ	ပ္တ	38	SC	ပ္တ	36	3 6	3 5	ည္တ	ပ္တ	8	သွ	ပ္တ	မ္တ	25 8	3 6	8	S	ઝ	S	3 8	8 8	33	အ	8	છ	S	S	88	3 6.	18	S	S	38	38	
Air Flow Rate (acfm)	(LATTER)	(LATER)	(LATER)	(LATER)	(LATER)	(AIEK)	NOTE OF	(LATER)	(LATTER)	(LATTER)	(LATER)	(CALER)	(CALEX)	(LATED)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	CALERO	(AIER)	(LATER)	(LATER)	(OTA)	CATER	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(CATER)	SAIR)	MATERI	(LATTER)	(LATER)	(LATER)	(ATER)	(Alek)	(SATER)	(IAIEK)	(LATER)	(LATER)	(MTER)	(LATER)	(IATER)	(ATER)	(ATER)	(ATER)	(IATER)	(LATER)	(LATER)	IMIER	
Type of Link	FUSURIE	FUSBLE	FUSIBLE	FUSTBLE	FUSIBLE	PUSSIBLE Gricial E	El Veibi E	FUSIBLE	FUSIBLE	FUSBLE	P.CSBEE	TO STORY	TOTAL E	H KERN	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	TOBELL PROPERTY	FUSIBLE	FUSBLE	DOSDER FINITE	TICKE I	HESTER I	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSBLE	FUSIBLE	HENER H	RISIBLE	USBLE	FUSIBLE	RUSIBLE	FUSIBLE	TUSIDIE.	10000	HASHE H	FUSIBLE	FUSIBLE	LICEDIL	FUSIBLE	FISHE	FUSIBLE	FUSIBILE	FUSIBLE	FUSIBLE	FUSIBILE	PUSIBILITY IN THE PROPERTY OF	FUSIBLE	
Seewe Length	(LATER)	(LATER)	(LATER)	(LATER)	CATER	CATERO	A ATEC	(LATER)	(LATER)	(LATER)	Z E	(Aten)	(LATER)	0 ATEP	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	LANES I	CALES	CATER	I ATERS	A ATTEN	(LATED)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER.)	(LATER)	(LAIEK)	MATER	(CATER)	(LATER.)	(LATER)	(LATER)	(ATER)	S ATTO		(LATER)	(LATER)	(LATERS)	(LATER)	(LATER)	CATER	(ATE)	(LATER)	(LATER)	(LATER)	(LATER)		
Sleeve Size	(LATER)	(LATER)	(LATER)	(LATER)	(ATER)	(Altre)	A ATEDY	(LATER)	(LATER)	(LATER)	(Alik	STEE	A PATER	(I ATER)	(ATER)	(LATER)	(LATER)	(LATER)	(LATER)	N TAILE	(All R)	(ATER)	A ATER	/I ATED)	(ATTER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	S CALLE	ATE	(ATER)	(LATER)	(LATER)	(ATER)	(STEEL)	STATE OF THE PARTY	(Allk)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(ATER)	S A S	(LATER)	(LATER)	(LATER)	(ATER)	S EEE	
Damper Position	(CATER)	(LATER)	(LATER)	(CATER)	(LATER)	(SIEK)	(I ATTER)	(CATER)	(CATER)	(CATER)	(Altro)	(CATER)	(LATER)	A ATECO	CAIER	(LAIER)	(LATER)	() ATED	LATER	(LATER)	(LATER)	(LATER)	(LATER)	CATERS	(LATER)	CALERO	CATER	(STIES)	(LATER)	(LATER)	CATER	(LATER)	/ ATCD/	3	(LATER)	(LATER)	(CATER)		CATER	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)								
Duxt Shape	(LATER)	(LATER)	(LATTER)	(LATER)	(ATER)	(IATED)	(ATTEN)	(ATER)	(LATER)	(LATER)	(Alek)	N GENERAL STATES	CATER	(IATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)		SALEKS	(LATER)	TATER	/I ATED)	TATER	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(ATER)	(AIEK)	(ATER)	(IATER)	(LATER)	(MTER)	(ATER)	(ATER)	AATEDI	(AIEK)	(LATER)	(LATER)	(EATCR)	(ATER)	(ATER)	MATERI	CATER	(MTER)	(ATER)	(LATER)	MATER	(ATER)	
Material	GAL7.	GALT.	GAL7.	GAL7.	SALY	GALY.	CALV	GALY.	GAL7.	GAL7.	CALL	CALL	SALV.	GALY.	GAL7.	GALY.	GAL7.	GAL7.	GALY.	CALT	SAL.	SAL.	SALV	CAI V	GALY.	GAL7.	GAL7.	GALY.	GAL7.) W	SAL.	CAL!	C. NO.	CALY	GALV.	GALV.	GALI	GALV	CALL	GALV	GALV.	GALV.	CALV.	GALV.	GALV.	CALV	SALV.	GALV.	GAL!	GALV.	GALV.	GALV.	
Physical Orawing Number	(LATER)	(LATER)	(LATER)	(ATER)	(LATER)	(ATER)	(ATER)	(LATER)	(LATER)	(LATER)	(LATER)	(ATER)	(ATER)	(LATER)	(IAIER)	(LAIEK)	(LATER)	(ATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(AIER)	(LAIEK)	(LATER)	(LATER)	(LATER)	(LATER)	CATER	(LATER)	O ATTEN	(LATER)	(LATER)	(LATER)	(LATTER)	(LATER)	(LATER)	(LATER)	(ATER)	(LATER)	(LATER)	(LATER)	(LAIEK)	(LATER)							
P&ED No	MRH-67012	MH-67012	MH-67012	MH-67012	MH-07013	MIL 67013	MBH-87013	MH-67013	MH-67013	MBH-67013	MIL ATORS	LIL R7013	MH-07013	MH-87013	MH-67013	MH-87013	MH-67014	MH-87014	MAH-87014	ML ATOMA	*IO/O-LIM	MAH-O/U14	MH-67014	MH-87014	N#H 67014	MEH-87014	MH-67014	MH-67014	MH-67014	MH-67015	CLU/S-HW	SILL STITE	MH-87015	MIL-67D18	MH-67016	MH-87016	MH-67016	MHERTHR	MILAZINA	MH-6/U16	MH-67016	MIH-87018	MII-87018	MH-87016	MH-67016	MH-6/U16	MH-67017	MH-87017	MH-67017	MH-87017	MH-67017	MH-67017	
Damper Type	Fire	뮨	Fire	FITE	al L	1	Fig	Fre	Fire	<u>e</u> 1		2 1	1	File	Fire	Fire	Fire	E E	<u>.</u>	1		116	L L		Fire	Fire	Fire	Fire	Hie	Fire	- Life	F F F	E E	The	Fire	E I	a L		E Para	FIRE	Fire	Fire		T. L.	a L	P 1	1 1	Fire	FIRE	الم	Fire	Fire	
Client Tag	HVZ2-DF-0040A	HVZ2-DF-0040B	HVZ2-DF-DD41A	HVZ2-DF-0041B	UACTO DE DUATE	HVZZ-DE-DD4RA	HVZ2-DF-0048B	HVZZ-DF-0048A	HVZZ-0F-0049B	HVZZ-DF-0050A	HVZ2-DE-MS1A	HV72.DE.NDS1B	HVZZ-DF-0052A	HVZZ-DF-0052B	HVZZ-DF-DD53A	HVZ2-DF-0053B	HVZZ-DF-DD58A	HVZ2-DF-0059B	HVZZ-DF-DD60A	HUZZ-DE-DOMO	TAYAN DE DOGGE	HVZZ-UN-UUDIB	HVZZ-DF-0062B	HVZZ-DF-DD83A	HVZ2 DF 0083B	HVZ2-DF-0064A	HVZ2-DF-0064B	HVZ2-DF-0065A	HVZZ-DF-0065B	HVZ2-DF-U068A	HVZ-LA-UU08B	HVZZ-UF-JUOSA	HVZ2-DF-0070	INZ2-DF-0071A	HVZ2-DF-00718	HVZZ-DF-0072A	HVZ2-DF-00728	HAV72-DE-MOT3R	HV72-DE-0074A	HVZZ-UF-UU/48	HVZZ-DF-0075A	HVZ2-DF-0075B	11VZ2-OIT-0078A	HVZZ-DF-0078B	HVZ2-DF-0077A	HVZ-UF-UU//B	HVZ2-DF-00838	HVZZ-DF-0084A	HVZ2-DF-00848	HVZZ-DF-0085A	HVZZ-DF-0080A	HVZZ-DF-00868	OLD CHILD SA
Status																																																					0000

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TABLE 1

P&ID No Phy	Physical Drawing Number (LATER)	Material GALV.	(in)	Damper Position	(ATER)	(in)	Type of Link FUSIBLE	Jacfm)	Safety Class	Seismic Class	NOTE Note 3
	(I ATER)	GAIV	(ATER)	(I ATED)	(I ATED)	N ATEDY	Digital C	(ATED)	3 8	3 8	Motor
9	(LATER)	GALV	(ATER)	(LATER)	(LATER)	(LATER)	FUSTRIE	(IATHR)	3 6	3 2	Note 3
2	(LATER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	2	Note 3
(A)	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	မ္တ	8	Nulse 3
(J	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	នួ	Note 3
(A	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSTBLE	CATER	သွ	B	Note 3
á	(LATER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	PUSIBLE	(LATER)	S	EG EG	Note 3
5	TER)	GALV.	(ATIER)	(LATER)	(LATER)	(LATER)	FUSTBLE	(LATER)	SC	සි	Note 3
	(LAIER)	CALV	(AIEK)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	ပ္တ	នួ	Note 3
55	(ATER)	GALV.				CATER	FISSEE FI	(ATER)	ပ္တပ္	ខ្លួ	Note 3
2	TER	GALV	(ATER)	A ATERN	(I ATER)	A ATERN	E ISTRICT	(ATTER)	38	28	Modes 2
(LA	(LATER)	GALV.	(ATER)	(LATER)	(LATER)	CATER	FUSBLE	(LATER)	SC	200	Note 3
(A	(ER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သ္တ	2	Sel-10
3	ER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	ភួ	Note 3
(LATER)	ER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	8	Note 3
(A	â	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PG	Note 3
(LATER	ER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	RISIBLE	(LATER)	သွ	5	Note 3
(LAT	ER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSTBLE	(LATER)	သွ	2	Note 3
(LATER)	ER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	នួ	Note 3
(LATER)	`@	GALV.	(ATER)	CATER	(LATER)	AATERD	FISHE	(LATER)	9	3 2	Note 3
(LAT	ER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	2	Note 3
(LAT	ER	GALV	(ATER)	AATERI	(LATTER)	(I ATER)	FUSIBLE	/I ATTER)	S	2	N N
(LATER)	2	GALV	(ATER)	(LATER)	(LATER)	CATER	FLESIBLE	(ATER)	38	504	N COLON
(LATE	153	GALV.	(ATER)	CATER	(LATER)	(LATER)	FUSIBLE	(LATER)	38	35	Note 3
(LATE	62	GALV	(ATER)	(LATER)	(LATER)	(LATER)	RISHE	(I ATER)	8	E C	Merito 3
CATE	2	GALV.	(LATER)	(LATER)	(LATER)	CATER	FUGSBLE	(LATER)	28	20	Note 3
(LATER)	3	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(JATER)	SS	S.	Note 3
(LATER)	23	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	ឆ្ល	Note 3
(LATER)	83	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	ES.	Note 3
(LATE	8	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	SC	នួ	Note 3
(LATER)	ER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	ğ	Note 3
(LAT	ER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E.	Note 3
2	IEK)	GALV.	(MIEK)	(LAIEK)	(LAIEK)	(PRIPH)	HUSIBLE	(LAIEK)	SC	3	Note 3
5)	TER)	GALV.	(LATER)	(LATER)	(LATER)	CATER	FUSIBLE	CATERS	SS	22	Note 3
1)	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	និ	Note 3
5	(CATER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	PUSIBLE	(LATER)	8	20	Media 3
=	(LATER)	GALV	(LATER)	ILATER	(LATER)	(LATER)	RISHE	MATER	S	55	Note 3
	ATER	GALV.	(LATER)	LATER	(LATER)	(LATER)	日記記記日	HATER	3	E Ca	Neda 3
	ATFR)	GAIV	(I ATTER)	(I ATER)	() ATER)	(ATER)	1 15151 F	A ATEDA	8	200	Medic 2
=	MATERI	GALV	(ATER)	(I ATER)	() ATER)	(ATER)	E ISTRICT	A ATERI	36	3 8	Meta 2
	(LATER)	GALV	(ATER)	(LATER)	(LATER)	(I ATER)	RISHIF	A ATER	S	50	Note 3
6	A ATERY	GAIV	A ATERI	OLATED)	(I ATED)	(I ATED)	DISIDIE	A ATEON	8	3 8	Mode 3
Ī	ILAIEKI	GALV	MATERI	TAILE	HAIFKI	LAIFE	THIS H	SALES IN	3 57	3 5	Series A
=	ATER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	RISHIE	(ATER)	S	Į,	Mente 3
	(LATER)	GALV	(ATER)	(LATER)	(LATER)	(I ATER)	HERIT	A ATERI	5	38	Metho 3
15	ATTER)	GALV.	(LATER)	CATER	(LATER)	CATER	PUSIBLE	CATER	38	200	Note 3
-	(LATER)	GALV	AATER	(I ATTER)	(ATER)	(I ATER)	TI TI LI	(ATER)	S	50	Media 2
	ATER	GAIV	MATTER	(I ATTER)	// ATER)	II ATER	FISHE	A ATERI	3 5	38	Nierio 3
-	(ATER)	GAIV	// ATERI	(LATED)	/ ATED	N ATED	10000	O ATED	38	36	Made 2
S S	A ATED	CAIV	A ATEON	(ATED)	SEA O	(I ATED)	Chelene	S A PERSON	88	3 8	Min 2
18	750)	CAIV	A ATCON	STATE OF THE PERSON NAMED IN	O ATED	O ATER	Ci iciai c	S STEEL	38	38	Mate 2
2	(A)ER)	CARLY.	SAIR	CALERO	CALERO	CALERO	TESE E	(A)ER	38	38	Note 3
캬	(LAJEK)	CARLY.	(AIER)	(MIEK)	(MIEK)	(LAIEK)	HUSIBILE	(LATER)	3	S	Note 3
210	(Aiek)	CALV	(Alek)	(LAIER)	(LAIER)	(AIER)	TUSIBLE	(AIR)	8	3	Note 3
	CALEK	GALV.	(AIEK)	(AIEK)	(LATER)	(LATER)	FUSIBILE	(ATER)	SS	ន	Note 3
٦	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBIE	(LATER)	S	នួ	Note 3
	(CATER)	CALV	(ATCR)	(LATER)	RATERS SATERS	(LATER)	CUSIDILL	(ATER)	88	ខ្ម	Note 0
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LATER) PUSBLE LATER) FUSBLE LATER)	(ATER)	++	(LATER)		DELINING CARDS
Figs MASSINGS (ATER) GANY (ATER) (ATER) <td>LATERO LA</td> <td>+</td> <td></td> <td></td> <td>Note 3</td>	LATERO LA	+			Note 3
Fire MH-57022 (ATBR) GAVY (ATBR) (AARR) (AARR) <td>(ATER) (ATER) (ATER)</td> <td></td> <td>(LATER)</td> <td>SC PC3</td> <td>Note 3</td>	(ATER)		(LATER)	SC PC3	Note 3
Fig. 60 CATEST	CATERI CA	I			Nirste 3
Fig. 60 CATEST	CATERIAL CAT	\forall			Note 3
Fig. 86 1970 1,0,185 1,0,400 1,0,185	(ATER)				Note 3
Fig. 64 CATEST	(ATER)	H	_		Note 3
Free MM-670223 (ATRIR) GAVY (ATRIR)	(ATER)				Note 3
Five MH-00022 (LATER) GAMY (LATER) (LA	(ATER)	=			Note 3
Free MH-67022 (ATER) GALY, (ATER) (ATE	(ATER)		_		Note3
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Fige MH-67024 (ATER) GALV (LATER) (LAT	(ATER) (ATER) (ATER) (ATER)	-			Note 3
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Fig. WH-67024 (ATER) GALY. (ATER) (ATER)<	(LATER)	t			C Holy
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Fire MH-87026 (LATER) GALV. (LATER)	E E	1			Mothe 3
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Case Mulation nation can't nation nation nation	Name of the last	Tiging in			Note 5
TOTAL (MICH) (MICH) (MICH) (MICH) (MICH) LOSIDE	N I I	LOSIBLE	(Mick)	3	1

TABLE 1

SECTION 23 3313.16

SCENE	Client Tag	Оатрег Туре		Physical Drawing Number	Material	Œ	Damper Position	Ē	(ii)	Type of Link	(acfm)	Safety Class	Seismic Class	NOTE
	HV22-DF-0191A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC		Nobe
	HVZ2-DF-0191B	Fire	NH-67028	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E	Nothe 3
	HV22-DF-0192A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	S	Note 3
	HVZ2-DF-0192B	Fire	NH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	E S	Note 3
	HV22-DF-0183A	Fire	MH-67028	(LATER)	GALV.	(LATTER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	සි	Note 0
	HVZ2-DF-0193B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	MATER	SC	PCS	Note 3
	HVZZ-DF-0194A	Fre	MH-67028	(IATER)	CALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(ATER)	S	E	Note 5
	HVZZ-DF-0194B	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	K	2	Note 3
	HV22-DF-0195A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E.	Note 3
	HV22-DF-01968	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E.S.	Note 3
	HVZZ-DF-0196A	Fire	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ឌួ	Note 5
	HV22-DF-0198B	EILE	MH-67028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(ATER)	FUSIBLE	(LATER)	SC	2	Note 5
	HV22-DF-0107A	Fire	MH-67028	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	SC	EG.	Notes
	HV22-DF-0107B	Fire	MH-87028	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	CATERI	FUSIBLE	(LATER)	Sc	2	Nois
	HVZZ-DF-0203A	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	CATER	SC	E S	Note 5
	HVZ2-DF-0203B	Fire	NH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	2	Note 5
	HVZZ-DF-0204A	Fire	NH-67029	(LATER)	GALV.	(LATER)	CATER	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	2	Note 5
	HVZ2 DF 0204B	Fire	NH 67020	(LATER)	CALV.	(LATER)	(LYTER)	(CATER)	CATER	FUSIBLE	(LATER)	SC	S S	Notes
	HVZZ-DF-0205A	Fire	NH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATEE)	(LATER)	FUSIBLE	(LATER)	SS	2	Notes
	HVZ2-DF-0205B	Fire	NH-87029	(LATER)	GALV	(LATER)	MATERI	(LATTER)	(LATER)	FISHE	(ATER)	9		Notes
	HV22-DF-0208A	Fire	NH-87029	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	3 6		Note
	HV22-DF-0200B	File	MH-07029	(LATER)	GALV.	(LATER)	(LATER)	(LATTER)	(LATER)	FUSABLE	(ATTER)	500	2	2
	HV22-DF-0207A	Fire	MH-67029	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FISHE	(ATER)	9	S E	Maha
	HV22-DF-02078	F	MH-87029	(LATER)	GALV	(LATER)	AATERI	() ATER)	(I ATER)	FISHE	(ATTER)	7	Sa	Mode
	HV22-DF-0208A	Fire	MH-67029	(LATER)	GALV.	(LATER)	CATER	MATER	NATER	FUSIBLE	MATERI	SC	32	Nentra
	HVZZ-DF-0208B	Fire	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	CATERO	FUSIBLE	(LATER)	SC	PC3	Note
	HVZ2-DF-0208A	Fire	NH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	LATER	FUSIBLE	(LATTER)	SC	T.	Note 5
	HVZ2-DF-0209B	File	MH-67029	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(CATER)	SS	E E	Note:
	HVZ2-DF-0215A	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PG.	Note 3
	HVZZ-DF-02158	Fire	NH-87030	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွင	2	Note 3
	HVZ2-DF-0216A	Filte	NH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွင	<u>E</u>	Note 5
	HVZ2-DF-0216B	Fire	MH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	£	Note 3
	HVZ2-DF-0217A	F.	NH-87030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	PUSIBLE	(LATER)	SC	ដ	Note 5
	HN22-DF-0217B	Fire	MH-87030	(ATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(IATER)	သင	ជួ	Note 5
	HN22-DF-0218A	File	NH-87030	(JATER)	GALV.	(LATER)	(LATER)	(LATTER)	(LATER)	FUSIBLE	(LATER)	SC	S H	g apoly
	HV22-DF-0218B	Fire	NH-67030	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E.	Note 5
1	HVZ2-DF-0219A	File	NH-67030	(ATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	CATERO	SC	E.	Note 5
	HVZ2-DF-0219B	FEE	MH-67030	(ATER)	GALV.	(LATER)	(LATER)	(LATTER)	(LATER)	FUSIBLE	(LATER)	S	E E	Note 5
	HV22-DF-UZZIJA	Fire	NH-67030	(ATER)	GALV.	(LATER)	(LATER)	(LATTER)	(LATER)	FUSIBLE	(LATER)	8	සි	S edioN
	HV22-DF-0220B	File	MH-87030	(ATER)	GALV.	(CATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ಜ	FG	S edoM
	HA72-DE-0221A	FIRS	NH-R7030	(ATER)	GALV	(I ATER)	(I ATFR)	(! ATFR)	(I ATFR)	FISH	(I ATFR)	35	E)d	S. ethoN
	HV22-UP-UZJB	2	NH-87030	(AIER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ಜ	ជួ	Note 3
Ī	HV2-U-UZ/A	100	MH-6/031	(AIER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ន	ជ្ជ	Note 3
1	HV2-UF-U22/B		MH-67031	(ATER)	GALV.	(LATER)	(LATER)	(LATEF)	(LATER)	FUSIBLE	(LATER)	೫	ដ	Note 5
	HVZZ-T-TZZZA		TED/B-HN	(ATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(CATER)	X	ទួ	Note 3
	HV22-UT-1228B	2	MH-B/UST	AIEK	SALV.	(LATER)	(LATER)	(LATEF)	(LATER)	FUSIBLE	CATER	X	ជ	Note 3
	TANZA-DE GOSTO	- Pue	TOUCH THE	AIEK	CALV		LAIER	(AIII)	CAIRS	FUSIBLE	(LATER)	K I	2	Note 3
1	B877D-10-77AH	- Life	MH-0/U31	(AIEK)	CALV	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(MTER)	K	ន្ទ	Note 3
	11/21-10-10-10-10-10-10-10-10-10-10-10-10-10	2	MI F67031	(PICK)	N N	(2)	LATERO	(CATES)	(LATER)		(E)	8	ទ	Note 3
	HAVE DE DOOR	Luce	MIT-O/US	(AIEK)	CALV.	(A)	CALEN		CALEK!	- FUSIBLE	(Alex)	3 8	T E	Note 3
	מופטט זער הסיפון	202	100000	(Alex)	CANTA	מונצון (B I		ואופא	Lospie	CATER	3	3	Notes
	HV77-OF-U231B	a la	MIT-O/LIST	(AIEK)	CALV.	SIEK)	SAIRS	(AIH)		FUSIBLE	(IATER)	8	E I	Note 3
	HVZ-0F-02328	1	MH-67031	(ATER)	GAIV	AATER	(LER)	CATES.	S CHILLY IN	FISHE	STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN CO	3 5	38	Months 2
	HW72-TIF-T733A	E L	WHLA7031	0 47501	GALIV	/I ATED!	// STED	A ATEC	(OLIVE)	CI POTES E	A ATEON	3 5	3 5	Marke 2
	HV2-0F-02338		WITH FILE 1	0 ATER	GALV	A ATERN	(ATT)	A ATES		El Kilbi E	A A TECH	3 15	38	Moto 2
	HV2-11-1234	4	MH-6/132	O A FEED	Cabl V	NA PARTE	STATE OF	SALES OF	STATE OF	TINGE I	WALES.	8 5	3 1	Balanda 2
	HVZ-0F-0239B	File	MH-67032	(ATER)	GALV	TATER	// KTER	TATES.	(ATT.)	E ISIBI E	MATERI	3 5	35	Mode 3
	HVZ2-DF-0240A	File	MH-67032	(ATER)	GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(ATER)	88	3 2	Note 3

TABLE 1

CATER GALV. (LATER CALV. (LATE	Duct Shape	Duct Shape			3	Sleeve Size	Sleeve Length		Air Flow Rate			
HVZ2-DF-0241A Fire HVZ2-DF-0241B Fire	_	Physical Drawing Number	Material	(m)	Damper Position		(in)	Type of Link	(sofm)	Safety Class	Seismic Class	NOTE
FF	MEL 670322	(LATER)	GMV	(LATER)	AATERI	(I ATER)	(ATER)	FUSIBLE	(LATER)	3 6	3 8	Nrhe 3
	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	E E	Nobe 3
Fire	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(CATER)	(LATER)	FUSIBLE	CATER	SC	ES	Note 3
Fire	MIH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွင	E.	Note 3
HVZ2-DF-0243A Fire	MH-67032	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PG	Nobe 3
	M84-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	Note 3
	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E E	Note 3
	MH-67032	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သူ	සු	Note 3
	MH-67032	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PG.	Note 3
	MIH-67032	(LATER)	GALV.	(LATTER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	2	Note 3
	MH-67034	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	E S	Note 3
	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	CATERS	FUSIBLE	(LATER)	SC	ES.	Note 3
	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	E	Note 3
	MH-67034	(LATER)	GALV	(LATER)	(LATER)	(LATER)	CATER	FUSIBLE	(LATER)	SS	PC3	Note 3
	MH-67034	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	MATERI	FUSIBLE	(I ATFR)	SS	PC3	Note 3
HVZ2-DF-02538 Fire	MH-87034	(LATER)	GALV	(LATER)	(I ATER)	(LATER)	DATERI	FISSE	O ATTER	y	300	Note 3
	MH-67034	(LATER)	GALV	(LATER)	(LATER)	(LATTER)	(LATER)	FINSH	(LATER)	9	200	Note 3
200	MEH R7034	A ATEON	CALV	A ATEDY	A ATEDA	(AATA	A ATEON	C ICIDI C	THE PERSON NAMED IN	3 8	3 2	S. A. S.
200	ANLI REPORT	(CATED)	CALV	A ATEON	A ATEON	(A) ATO		T LOSOLE	S S S S	3 6	38	NOR 3
	KALL R7034	A A TEGO	CALV	(STER)	(CATER)	A ATEN	A ATER	L'OSDER D'ISSER	CATES	300	38	No.
1 1	MAL PAROL	S ATES	1	(SICK)	(LATER)		CALLES OF	10000	COLUMN TO SERVICE SERV	3 8	3 8	Note 3
	100000	(CALEN)	, Arriv	(2)	CAIER	CALERO	CATERO	- Long	(FAILER)	त्र	3	NORS
HVZ-Ur-UZ30D	MEH-O/USA	(FAIER)	CARTA	(Alle)	(LAIER)	(Alex)	(AIEK)	- LOSBER	(LAIER)	3	3	NOR 3
	NET-07034	(CALER)	APL C	(AIEK)	CATER	(AIEK)	CATERO	LESBER .	(AIR)	SS	3	Note C
	MEN-DYUGA	(LATER)	7	(A)	(AIEK)	(AIER)	(AIER)	FUSABLE	CATER	SC	E	Note 3
	CE0/0-HW	(LAIEK)	GALV.	(AIEK)	(ATER)	(CATER)	(LATER)	FUSIBLE	(LATER)	သူ	E C	Note 3
HVZ2-DF-0263B Fire	MH-87035	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ដ	Note 3
	MH-87035	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ದಿ	Note 3
	MH-87035	(CATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သင	ដ	Note 3
	MH-87035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	၁၄	E E	Note 3
	MH-67035	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ည္တ	ដ	Note 3
	MEH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ದಿ	Note 3
	MH-67035	(LATER)	GALV.	(LATTER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	S.	Note 3
	MH-67035	(CATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	SC	S.	Note 3
	MH-67035		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	သွ	ដ	Note 3
L	MH-87035		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	2	Note 3
	MH-67035	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E.	Note 3
	MH-67035		GALV.	(LATER)	(LATER)	(LATER)	LATERI	FUSIBLE	(LATER)	S	ũ	Note 3
L	MH-87035		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ಜ	2	Note 3
HVZ2-DF-0275A Fire	MH-67036	(CATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	જ	ជួ	Note 3
HVZZ-DF-02758 Fire	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	မွ	S.	Note 3
	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	CATER	သွ	នួ	Note 3
	MH-67036	(CATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	2 2	Note 3
	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ಜ	E E	Note 3
HVZ2-DF-0277B Fire	MH-67036	(CATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	33	සි	Note 3
	MH-87038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	8	នួ	Note 3
	MH-67038	(CATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	အ	នួ	Note 3
	MH-67036	(LATER)	GALV.	(LATER)	(LATTER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E E	Note 3
	MH-87038	(LATER)	GALV.	(VATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	အ	នួ	Note 3
L	MH-87038	(LATER)	GALV.	(LATER)	LATER	(LATER)	(LATER)	FUSIBLE	(ATER)	အ	E E	Note 3
	MH-87038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(CATER)	ဒွ	នួ	Note 3
	MH-67036	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(ATER)	8	ជួ	Note 3
	MH-87038	(LATER)	GALV.	(ATER)	(LATER)	(LATER)	ILATERI	TIESTE I	MATER	SC	S.	Note 3
HVZ2-DF-0287A Fire	MH-87037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(ATER)	ဒ္ဓ	នួ	Note 3
HVZ2-DF-02878 Fire	MH-67037	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	E C	Note 3
	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	2	Note 3
	MH-67037	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	2	Note 3
HVZZ-DF-0289A Fire	MH-67037	(ATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	2	Note 3
	MH-87037	(I ATER)	GALV	MATER	MATER	MATERI	ATERI	Si Politici El	III & TED!	30	520	Name 3
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Fire MI-67037 LATER) GAUY. (ATER) Fire MI-67037 LATER GAUY. (LATER) Fire MI-67037 LATER GAUY. (LATER) Fire MI-67038 LATER GAUY. (LATER) Fire MI-67040 LATER GAUY. <	Status	Cfent Tag HVZZ-DF-1280A HVZ2-DF-1290B	Damper Type Fire	P&ID No MH-67037 MH-67037	Physical Drawing Number (LATER)	Material GALV. GALV.	Duct Shape (in) (LATER)	Damper Position (LATER)	47	Skewe Length (in) (LATER)		Air Flow Rate (acfm) (LATER)	SSE	Seis	NOTE Note 3
Fig.		HVZ2-DF-1291A	Fire	MH-87037	(ATER)	GALV.	(I ATER)	// ATER	(I ATER)	A ATED	T SECTION OF	(IATED)		35	Note 3
Fig.		HVZZ-DF-J291B		MH-67037	(ATER)	CALV	(LATER)	(LATER)	(CATER)	(LATER)	FUSIBLE	MATER	3 12	3 22	Nobe 3
Fig.		HVZ2-DF-3282A	Fue	MB-07037	(LATER)	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ပ္က	Z.	Nube 3
Fig.	Ī	HVZZ-DF-1282B	E L	MI-67037	LATER	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	PUSIBLE	(LATER)	SC	PCI	Note 3
		UNCOUNT DE DOGE	2 6	MIT-0/US/	(AIBK)	CALLY	(ATER)	(CAIER)	(ATER)	(LATER)	HUSIBLE	(CATER)	ပ္က	2	Note 3
Fig.		HVZ2-DE-1299A		MF-67038	TATER	V 145	(ATER)	(LATER)	(Alex)	(LATER)	PUSBIE G MORE	(LATER)	S S	33	Note 3
Fig.		HVZZ-DF-1288B		M-67038	TATER	GALV	(LATER)	CATER	(I ATER)	ATES	RESERVE	(LATER)	200	2 2	Note 3
Fig. Be-2708 LATER GAVY LATER LATE		HVZZ-DF-3300A		MR-67038	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	ည္က	3 22	Note 3
Fig.	1	HVZZ-DF-0300B	e L	MP-67038	LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATERÍ)	RUSIBLE	(LATER)	ည္က	ជ	Note 3
Fig. We-7008 LATER CALVER LATER LA	Ť	HVZ-DF-3301A	2	MI-67038	LATER	GALV.	(LATER)	(LAITER)	(LATER)	(LATER)	RUSBLE	(LATER)	SC	E E	Note 3
Fig.		HVZZ-UR-USUIB		MI-6/U38	LAIEK	GALV.	(LATER)	(LATER)	(LATER)	CATERD	RUSIBLE	(LATER)	ည္က	<u>r</u>	Note 3
Free Me-20788 LATERN GAVY (LATERN (LATERN CATERN (LATERN CATERN (LATERN CATERN CATER	Ī	HV72-DE-1302R		M-87038	ATEC)	CALV	(AIER)	(ATER)	(Alex	CATER	FUSBUE I	(LATER)	200	2 2	Note 3
Free MF-77039 LATERY GAV. LATERY LATERY GAV. LATERY LATERY GAV. LATERY LATERY GAV. LATERY CATERY LATERY CATERY LATERY ST. PGD. Free MF-7038 LATERY GAV. LATERY LATERY LATERY ST. PGD. Free MF-7039 LATERY LATERY LATERY LATERY ST. PGD. Free MF-7030 LATERY GAV. LATERY LATERY RATERY CATERY LATERY RATERY CATERY LATERY RATERY CATERY LATERY LATERY CATERY LATERY LATERY CATERY LATERY LATERY CATERY LATERY LATE	T	HVZ2-DE-1303A		MAL RATING	ATED!	CALV	(LATED)	A ATEN	(LAICK)		TO DE	(Alex)	پ ر	38	Note 3
Free M-57039 LATER GALY (ATER)	T	HVZ2-DF-3303B	I	MF-67038	TATE	CALV	WATER!	A ATERN	(A)	(IATER)	Noible Dictor	(LAIEK)	אָלָ	38	Notes
Free Me-27008 (ATER) (ATER)<	T	HVZ2-DF-1304A	l	M-67038	1 ATER)	SALV	(ATTER)	A ATEDA	(ATED)	AATEG	D ICIDI E	CATES	7 5	200	Note 3
Free Me-57020 LATER GALV. (ATER) (LATER) (LATE		HVZ2-DF-3304B	ĺ	M-67038	LATER	VIAC	MATERI	II ATERI	ATER	A A TEM	A SCIENCE	MATERI	3 6	3 5	Note 3
Free Me-57040 LATES) GALY. LATES) LATES) CALVES LATES CALVES LATES CALVES LATES CALVES LATES CALVES LATES CALVES LATES CALVES		HVZ2-DF-0305A	l	MF-67038	TATER	CALV	MATERI	(I ATER)	η ΔΤΞΡ)	A ATER	A POSET	AATED	3 6	3 2	Note 3
Free Be-67040 LATER GALY LATER		HVZZ-DF-3305B	E.	M-67038	LATER	GALY.	CATER		(ATER)	CATER	AUSIBLE I	(ATER)	, ₂ ,	3 2	Note 3
Five Name/Tough (ATTER) (ATTER) (ATTER) (ATTER) (ATTER) (ATTER) (ATTER) (ATTER)<		HVZ2-DF-3311A	Fire	MF-87040	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	2	Note 3
Fig.		HVZ2-DF-3311B	Fire	MF-87040	(LATER)	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	32	2	Note 3
Fig. 66 W-57040 LATER GALV. (LATER) (L		HVZZ-DF-3312A	File	MH-67040	LATER)	CALY.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	50	2	None 3
Fig. 66 W-27040 LATER	1	HVZ2-UF-33126		M8/040	(ATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	RUSBIE	(LATER)	30	먑	Note 3
Fire	I	HVZ2-DF-4313A	2	M-67040	(ATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	SC	Į,	Note 3
Fire Mi-27040 LATEN SALT, (LATEN LATEN LAT		MVZZ-UF-13138	2 2	MH-5/040	TATED	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(ATER)	ပ္က	E i	Note 3
Fire	T	UNZO DE OSTAB		ME AZDAD	ATED.		(STEEN)	(ATTO)	(Alara)	(CALERY)	10000	(AIEK)	2 2	2 2	Notes
Fire	T	HV72.0E-32156	I	MAL STOKE	TATES	200	(ATER)	CALEND		(AIEH)	NOBELE DESCRIPTION	(ATER)	200	2 8	Note 3
Fig. IM-57040 (LATER) GALY. (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) CATER) (LATER) CATER) CATER) (LATER) CATER) CATER) (LATER) CATER) CATER) (LATER) CATER) (LATER) (LATER) CATER) (LATER) (LATER) <th>T</th> <td>HVZ2-DF-1315B</td> <td></td> <td>M87040</td> <td>LATER</td> <td>GALV</td> <td>(IATER)</td> <td>(LATER)</td> <td>ATER</td> <td>TATER</td> <td>RISBLE</td> <td>MATERI</td> <td>ي د</td> <td>25</td> <td>Note 3</td>	T	HVZ2-DF-1315B		M87040	LATER	GALV	(IATER)	(LATER)	ATER	TATER	RISBLE	MATERI	ي د	25	Note 3
Fire MH-37040 LATER) GALY (LATER) (LAT		HVZZ-DF-3316A		M-87040	(LATER)	GALV.	(LATTER)	(LATER)	(LATER)	(LATER)	RUSBLE	(LATER)	22	2	Note 3
Fire MH-37040 (LATER) GALY. (LATER) (L		HVZ2-DF-3316B	Fire	MF-87040	(LATER)	CALV.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	သွင	2	Note 3
Five MH-67040 LATER GALY. (LATER) (LATER) (LATER) CATER (LATER) (LATER) (LATER) CATER (LATER) CATER (LATER) CATER CATE		HVZ2-UF-131/A	Fre	ME-B/U4U	(LATER)	CSALV.	(WIEK)	(LAIER)	(LAIEK)	(LAIEH)	HUSIBLE	(IAIEK)	SC	T.	Note 3
Five Mi-67041 LATER) GALY (LATER) (LATER) (LATER) (LATER) CATER) CATER CAT	1	HVZ2-DF-3317B	Fire	MF-87040	(LATER)	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	30	2	Note 3
Fire MH-67041 LATER) GALY, (ATER) (LATER) (L	1	HVZ2-DF-J3Z3A	File	MI-87041	(CATER)	GALY.	(LATER)	(LATER)	(LATER)	(CATER)	PUSIBLE	(LATER)	ည္က	D.	Note 3
Fire Min-37041 LATER) GALY. (LATER) (LATER) LATER) L	1	HVZ2 DF 33238	E d	MF 87041	(CATER)	ONLY.	(ATER)	(LATER)	(ATER)	(LATER)	RUSIBLE	(LATER)	ပ္ထ	ស្ត	Note 3
Fire MIN-67041 LATER GALV. LATER SC PC3 Fire MIN-67041 LATER GALV. (LATER) (LATER) LATER SC PC3 Fire MIN-67041 LATER GALV. (LATER) (LATER) (LATER) CATER CATER <t< td=""><th>Ī</th><td>UNITED TO STATE</td><td>2</td><td>MIT-0/US</td><td>#ATEO</td><td>CALL</td><td>(AIEK)</td><td>CALER STEER</td><td>(AIR)</td><td>(AIE)</td><td>HASIBLE DE LE</td><td>(MIEK)</td><td>88</td><td>28</td><td>Note 3</td></t<>	Ī	UNITED TO STATE	2	MIT-0/US	#ATEO	CALL	(AIEK)	CALER STEER	(AIR)	(AIE)	HASIBLE DE LE	(MIEK)	88	28	Note 3
Fire MH-67041 LATER) GALY. (LATER) (LATER) (LATER) CATERY (LATER) CATERY (LATER) CATERY CAT	T	HAZZET - 132-101		MIL AZTA1	(LAIER)	CALL	(Alek)	LAIER	(Alex)	(Alex)	HISBER I	(Alex)	38	2 1	Note 3
Fire MI-67041 (LATER) GALY. (LATER) (LATER) (LATER) RSBLE (LATER) SC PC3 Fire MI-67041 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MI-67041 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MI-67041 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MI-67041 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MI-67042 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MI-67042 (LATER) GALY. (LATER) (LATER) (LATER) RATER SC PC3 Fire MI-67042 (LATER) (LATER) (LATER) (LATER) (LATER) RATER RATER RATER RATER RATER RATER RATER R	Ī	HVZZ-0F-1325B		MI-67041	IATER	200	(IATER)	(I ATER)	(ATER)	(I ATER)	HISTORY IN	ATER	38	38	Note 5
Fire MH-67041 (LATER) GALY. (LATER) (L	П	HVZ2-DF-3326A		MH-87041	(LATER)	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	28	2	Note 3
Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SC PC3 Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 (LATER) GALY. (LATER) (LATER) RATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) RATER) RATER) RATER) RATER) RATER)		HVZZ-DF-3326B	Fire	MI-87041	(LATER)	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	8	នួ	Note 3
Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) RASBLE (LATER) SC PC3 Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) RASBLE (LATER) SC PC3 Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 (LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER)	1	HVZZ-UF-JJZ/A	FIRE	MF-5/U41	(CATEK)	CALV.	(MIEK)	(LAIER)	(KIEK)	(LAIEH)	HISIBIE	(CALEK)	38	E C	Note 3
Fire MH-67041 (LATER) GALY. (LATER) (LATER) RATER (LATER) RATER (LATER) PC3 PC3 Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) RATER SC PC3 Fire MH-67041 (LATER) GALY. (LATER) (LATER) (LATER) RATER SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) SC PC3 Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) <	1	HVZ2-DF-J327B		MI-87041	(LATER)	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	ပ္တ	Ď	Note 3
Fire MH-87042 LATER) GALY. (LATER) (LA	1	HVZ2-UF-1328A	Ì	MI-6/041	[LATER)	GALY.	(LATER)	(CATER)	(LATER)	(AIEI)	FUSIBLE	(LATER)	S)	ន្ទ	Note 3
Fire MH-87042 LATER) GALY. (ATER) (BTER) SC PC3 Fire MH-87042 (ATER) GALY. (ATER) (ATER) (ATER) (ATER) (ATER) (BTER) SC PC3 Fire MH-87042 (ATER) GALY. (ATER) (ATER) (ATER) (ATER) (ATER) SC PC3 Fire MH-87042 (ATER) GALY. (ATER) (ATER) (ATER) SC PC3 Fire MH-87042 (ATER) GALY. (ATER) (ATER) (ATER) ATER) ATER) SC PC3 Fire MH-87042 (ATER) (ATER) (ATER) (ATER) (ATER) ATER) ATER) ATER) ATER) Fire MH-87042 (ATER) (ATER) (ATER) ATER) ATER) ATER) ATER)	ĺ	HVZZ-DE-1920A	I	ML 87141	A A TEGS	CALV.	AATER)	(CALA)	(LATER)	CATER	HUSIBLE	(WIEK)	8 8	2 2	Note 3
Fire MH-67042 LATER) GALY. (ATER) (LATER) (LATER) (LATER) (LATER) CATER) CATE	Ī	HATZI DE 1220A		MAL RODA	il etcos	CALT	MATER!	(CALCA)	(Alta)		TANDER L	(ATER)	3 2	3 8	NORS
Fire MH-67042 LATER) GALY. (LATER) (LATER) (LATER) (LATER) (LATER) CATER) CAT	Ī	HV72-DF-1335A	E L	MIL-87042	I ATER	200	MATERI	ATED)	KOLA IN	(CATON)	A SIBIL	(IATER)	3 8	3 5	Note 3
Fire MI-67042 I.ATER) GALY. (ATER) (LATER) (LATER) (LATER) (LATER) CATER) CAT		HVZ2-DF-3335B	Г	MH-87042	n ATER)	GALV	(IATER)	(I ATER)	(ATTA)	(I ATTER)	A ISHAIR	(ATED)	8 8	3 5	Moto 2
Five MH-87042 (LATER) (LATER) (LATER) (LATER) (LATER) PCG PCG Five MH-87042 (LATER) GALY. (LATER) (LATER) (LATER) (LATER) SC PCG Five MH-87042 (LATER) GALY. (LATER) (LATER) (LATER) SC PCG Five MH-87042 (LATER) GALY. (LATER) (LATER) SC PCG Five MH-87042 LATER) GALY. (LATER) (LATER) (LATER) SC PCG Five MH-87042 LATER) GALY. (LATER) (LATER) (LATER) SC PCG Five MH-87042 LATER) GALY. (LATER) (LATER) RATER) SC PCG		HVZ2-DF-3336A		MIT-87042	LATER	GAL7	(ATER)	(LATER)	(LATERO	(LATER)	AUSIBLE	(LATER)	3 2	3 2	Morte 3
Fire Mil-37M2 (LATER) GALY. (LATER) (L		HVZZ-DF-3336B	Fire	MH-67042	(LATER)	GALY.	(ATER)	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	S	Ş	Note 3
Fire MH-57042 (LATER) GALY. (LATER) (L		HVZZ-DF-3337A	Fire	MH-67042	(LATER)	GALY.	(ATER)	(LATER)	(IATER)	(LATER)	HUSIBLE	(IATER)	30	PG S	Note 3
File MI-67042 (LATER) (SALY. (LATER) (LATER) (LATER) (LATER) SC PC3 File MI-67042 (LATER) (CATER) (LATER) (LATER) (LATER) SC PC3	1	HVZZ-DF-337B	T	MF-87042	(LATER)	GALY.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	2	Note 3
Fire MI-67042 (LATER) GALY. (LATER) (LATER) (LATER) (LATER) RISIBLE (LATER) SC PC3		HVZ2-DF-1338A		MF-67042	(LATER)	GALV.	CATERO	(LATER)	(LATER)	(LATER)	RUSIBLE	(LATER)	ည္တ	ជួ	Note 3
יייר שוייטיינין (יייוניין) (יייוניין) (יייוניין) איניין (יייונין) איניין (יייוניין) איניין איניין איניין איניין איניין איניין איין א	Ī	HVZ2-DE-1339A	ı	MI -6/UNE	TATERS TATERS	SALY.	(CATER)	(MICR)	(A108)	CARCO CARCO		(ATER)	25	2	Note C
	1	100		MI WINTE	MEN	CALL	(Sien)	(LAIER)	(IMIER)	(CAICH)	HUSIBILE	(IAIER)	3	3	NOTE 3

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DAMPERS	
HVAC FIRE	
RELATED	
SAFETY	

Care 1	Status Chent Tag													
Fig. Marching LULEN GAVY (ATREN ALTERN (ATREN (ATREN (ATREN) ATREN ALTERN ALTE	UA1779 DE 03300	Damper Type	P&ID No	Physical Drawing Number	Material	Duet Shape (in)	Damper Position		Sleeve Length	Twoe of Link	Air Flow Rate	Safety Class		,,4
Fig. WH-50002 CLUTTER GMAY LATERS LA	CBCCC - CCCADA	_	MH-67042	(LATER)	GALV	(LATER)	(LATER)		MATERI	FINSHE	(I ATTER)	US.		+
Fig.	HVZ2-DF-0340A		MH-67042	(LATER)	GALV	(LATER)	(LATER)	(LATER)	// ATER)	HISINE	(LATER)	S C	E E	+
Fig.	HVZ2-DF-0340B		MH-67042	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(CATER)	FUSIBLE	(LATER)	SC	E E	╀
Fig.	HVZ2-DF-0341A	E.	MH-87042	(KTER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	၁၄	ಜ	
Fig. 84470N (LATES) GAVY (LATES) (LATE	HVZZ-UF-U341B	FIRE	MH-67042	(LATER)	GALV	(CATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	၁၄	සි	_
Fig.	HV22-UF-U34/A	FIRE	MH-6/043	(LATER)	GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER!)	SC	සි	Н
Fig.	HVZZ-UF-U34/B	a L	MH-6/043		GALV	(CATER)	(LATER)	(ATER)	(LATER)	FUSIBLE	(MTBR)	SC	PG	_
Fig.	HVZ2-DF-0348A	İ	MH-87043		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွင	PC3	
Fig. HANDON LATER GALV LATER LATER LATER LATER TARBE LATER SCHOOL	HVZ2-0F-0348B		MH-67043		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	23	H
Fig.	HVZ2-DF-0349A		MIH-67043		GALV	(LATER)	(LATER)	(LATER)	CATER	FUSIBLE	(LATER)	SC	2	⊦
Fig.	HVZZ-DF-03498		MIT-67043		GALV	(LATER)	(LATER)	(LATER)	MATERI	FLYSSER F	(LATTER)	9	PC3	╀
Fig. MACTORS CATEST GAMY CATEST CATEST <td>HVZ2-DF-0350A</td> <td></td> <td>MH-87043</td> <td></td> <td>GALV</td> <td>(LATTA)</td> <td>MATERI</td> <td>(I ATER)</td> <td>II ATED</td> <td>FINARE</td> <td>(LATED)</td> <td>C.</td> <td>E</td> <td>╀</td>	HVZ2-DF-0350A		MH-87043		GALV	(LATTA)	MATERI	(I ATER)	II ATED	FINARE	(LATED)	C.	E	╀
Fig.	HV72-DF-038DB	Fins	MH-67043		SALV	(CTED)	ATED!	// ATED	A ATED	E PCIO E	COLUMN TO SERVICE STATE OF THE PERSON STATE OF	3 5	3 2	+
Fig.	HV72-DF-0351A	E L	MH-R7043		CALV	A ATED	A ATED	(ATED)	A ATCOL	D Kelan	AL ATTENDA	3 6	38	+
Fig. Margras LATERS CALTERS	HV72-DF-0351R	Fina	MIL-87043		CALV	A ATED	A ATEM	WATED!	A STEED	E POIDE E	(CATION)	36	3 2	+
Fig. Marting CLUERY CAUY CLUERY CAURY CLUERY CLUERY CAURY CLUERY CAURY CLUERY CAURY CLUERY CAURY CLUERY CAURY CLUERY C	LAVYO PAC ANENA		STORY OF THE PERSON		2000	(17)	CALCIA	5	(LAICK)	ייייייייייייייייייייייייייייייייייייייי	(FAIER)	3	3	+
Fig. WATCHES CALVER C	WORD-IN-77AL	İ	MIN-07043		CARLY	E S	(MEN)	AIR	CALERO	HEISTER H	(AIR)	ည္တ	E C	+
Fig.	HVZZ-UF-U302B		MH-6/043		7			A LEA	CATER	FUSBLE	(LATER)	ပ္တ	ខ្ល	_
Fig.	ACCOUNT TO STATE	a L	National States		OME A	(14163)	CALERO	(Alex	CALERO	LOBBE	(AIEK)	SC	3	4
Fire WH-6704 (LATER) GALY (LATER) (LAT	HVZ2-01-0353B	FIRE	MH-67043		GALV	(CATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သင	සි	-
Five MH-67044 (LATER) GALTE (LATER) (L	HVZZ-UF-USDBA	Fife	MH-67044		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATTER)	သင	<u>E</u>	-
Five MH-67044 (L/TER) GALV (L/TER) (L/	HVZZ-DF-0359B	Fire	MH-87044		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSHE	(LATTER)	သွင	2	H
Fire MH-67044 LATER) GALV LATER) LATER) <td>HVZ2-DF-0360A</td> <td>Fine</td> <td>MH-87044</td> <td></td> <td>GALV</td> <td>(LATER)</td> <td>(LATER)</td> <td>(LATER)</td> <td>(LATER)</td> <td>FUSIBLE</td> <td>(LATER)</td> <td>SC</td> <td>PC3</td> <td>H</td>	HVZ2-DF-0360A	Fine	MH-87044		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3	H
Fire Mi-17094 LATER) GALV LATER) LAT	HVZ2-0F-0360B	Fire	MH-67044		GALV	(LATE-2)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	E E	H
Fire WH-67044 LATER) GALV LATER) LAT	HVZ2-DF-0361A	File	MH-87044		GALV	(I ATER)	(A ATER)	(I ATTER)	A ATERN	FINSIRE	(ATED)	S	Z d	╀
Five WH-67044 (LATER) GALV (LATER) (LATER) (LATER) (LATER) (LATER) GALV (LATER) (L	HAV72.DE.M381B	Files	MEH-R7044		CALV	// ATES	A ATEDI	// ATED	A ATEON	D POINT	(OTAIL)	38	350	+
Fig. MH-6704 LATER) GALV LATER) LATE	LACTO DE CORTA		Man Gonda		1110		A VALLEY	200		1000	(MICH)	300	3 8	+
Fire MH-37044 (LATER) GALV (LATER)	PORCE PORCE CONT.		Mari-Or Care		CALLY	5	(CALCA)	NO.	CAICES	LINGE	(MIEK)	3	3	+
Five MH-5704M (LATER) GALV (LATER) (LA	15/70 05 0000	E	MIT-0/044		200	(FAIER)	CALERO	TA LEK	CALERO	TO BE	(LATER)	3	3	+
Five MH-57044 (LATER) GALV (LATER) (LA	HACCOLL-DOOR	Tale .	MET-O/UHA		CONT. A	Sie	SIER.	(RIEK)	Alek	LONE	(AIH)	SC	T .	4
Fige MH-6704 (LATER) GALV (LATER) (LAT	HVZZ-U1-03636	FE	MH-67044		GALV	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ដ	-
Five MH-6704d (LATER) GALV (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) CATER) (LATER) CATER) (LATER) CATER)	HVZ2-DF-0364A	File	MH-87044		CALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(ATER)	သွ	2	_
Fire MH-67044 (LATER) GALV (LATER) (LA	HVZ2-DF-0364B	Fire	MEH-67044		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	E.	H
Fire MH-0704 (LATER) GAV (LATER) STANMESS (LATER) (LATER) CLATER) CLAT	HVZZ-DF-0365A	File	MH-67044		GALV	CATES	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	ជួ	-
Five MH-07046 (LATER) GALV (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) CATER) (LATER) (LATER) CATER (LATER) CATER CATER <t< td=""><td>HVZZ-DF-0365B</td><td>Fire</td><td>MH-87044</td><td></td><td>GALV</td><td>CATES</td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>FUSIBLE</td><td>(LATER)</td><td>SC</td><td>ដ</td><td>H</td></t<>	HVZZ-DF-0365B	Fire	MH-87044		GALV	CATES	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ដ	H
Fire MH-67060	HVZ2-DF-0371	Fire	MH-67045	(LATER)	GALV		(LATER)	(CATER)	(LATER)	FUSIBLE	(LATER)	S	2	H
Five IMH-07000 (LATER) STANLESS (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) STANLESS (LATER) (LATER) CATER) (LATER) STANLESS (LATER) (LATER) CATER) (LATER) CATER) (LATER) CATER) (LATER) CATER) (LATER) CATER) (LATER) CATER) CATER) (LATER) CATER) CATER	HVZZ-DF-0002	File	MH-67060	(LATER)	STAINESS		(LATER)	(LATER)	(LATER)	FUSIFIE	(LATER)	S.	ũ	⊦
Fire MH-67060 (LATER) STAMLESS (LATER) (LATER) <th< td=""><td>HVZ2.DF-0004</td><td></td><td>MH-87060</td><td>(A LTER)</td><td>STAINI FOR</td><td>L</td><td>(LATER)</td><td>A ATE OF</td><td>(LATER)</td><td>TI SERVICE</td><td>WATED.</td><td>38</td><td>Sa</td><td>╀</td></th<>	HVZ2.DF-0004		MH-87060	(A LTER)	STAINI FOR	L	(LATER)	A ATE OF	(LATER)	TI SERVICE	WATED.	38	Sa	╀
Fire MH-67001 (LATER) STANLESS (LATER) (LATER) <th< td=""><td>HVZ2-DF-0010</td><td>E L</td><td>MH-87080</td><td>(I ATER)</td><td>STAIN PSS</td><td>1.</td><td>(I ATER)</td><td>() ATTER</td><td>// ATERN</td><td>THUME</td><td>MATTER</td><td>y</td><td>G C</td><td>╀</td></th<>	HVZ2-DF-0010	E L	MH-87080	(I ATER)	STAIN PSS	1.	(I ATER)	() ATTER	// ATERN	THUME	MATTER	y	G C	╀
Fire MH-87081	2000 2000		141 97084	O VIETO	200	1.	WIND IN	2015	STATE OF	T STORY	(NOING)	3 8	3 8	+
Fire MH-67050 LATER) STAINLESS LATER)	משטים של המשטים		1001001		O COLUMN	-1.	(MICK)	N. C.	CAICK	T T T T	(Alex)	38	3	+
Five MH-67003 (LATER) STAINLESS (LATER) (LATER) (LATER) (LATER) (LATER) STAINLESS (LATER) (LATER) (LATER) (LATER) S.C.	UVZ-7-1-10000	LIE	100.00-LIM		SIAIN ESS	-1		315	CALERO	HERE	(FIE)	B	3	-
Five MH-07003 (LATER) CALLY (LATER) (LATER) (LATER) CATER) CATE	HVZZ4JF-435/3	FIRE	MH-67061		STAINLESS	_1	(LATER)	(LATER)	(LATER)	FUSIBLE	(ATER)	S	£	-
Fire MH-67063 (LATER)	HVZZ-DF-U374A	Fire	MEH-67063		GALV		(LATER)	(LATER)	(LATER)	PUSIBLE	(LATER)	SC	PC.	_
Five WH-67064 (LATER) STAINLESS (LATER) (LATER) <t< td=""><td>HVZ2-0F-0374B</td><td>File and and and and and and and and and and</td><td>MH-87083</td><td></td><td>GALV</td><td></td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>FUSIBLE</td><td>(LATER)</td><td>SC</td><td>ಬ್</td><td>H</td></t<>	HVZ2-0F-0374B	File and and and and and and and and and and	MH-87083		GALV		(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ಬ್	H
Five WH-67064 (LATER) STAINLESS (LATER) (LATER) <t< td=""><td>HVZZ-UF-0375</td><td>Fire</td><td>MH-67064</td><td></td><td>STAINESS</td><td></td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>FISHE</td><td>(LATER)</td><td>B</td><td>5</td><td>H</td></t<>	HVZZ-UF-0375	Fire	MH-67064		STAINESS		(LATER)	(LATER)	(LATER)	FISHE	(LATER)	B	5	H
Fire MH-67400 (LATER) GALV (LATER) (LA	HVZ2-DF-0378	6 L	MH-87084		STAIN FSS		(I ATTAD)	/I ATERY	(I ATER)	T EINE	A ATEDA	8	200	╀
Fire MH-67400 (LATER) CATERY (LATER) (HN72-DE-MONAA	l	MET-87400		Cally		10111	A ATED	A ATEON	0.000	S STEED,	3 8	36	+
Fire MH-67400 (LATER) GALV (LATER) (LA	HVZ3-DF-D200AB	4	MH-87400		OM V		(I ATER)	TATE OF THE PERSON NAMED IN COLUMN 1	ATE OF	H ISIB	A A TELEVISION	3 6	3 2	_
Five MH-67400 (LATER) GALV (LATER) (LA	HV73-DE-0200AC	E L	MH-87400		Garv	ш	A ATEDI	A A TED	// ATED	ENCIPE	WATERN	86	200	╀
Fire MH-67400 (LATER) GALV (LATER) (LA	HV72-TE-M7011AA	9	MH. R7400		CALV	1	(LATED)	(I ATED)	107.4		200	3 5	3 2	+
Fig. MH-67403 (LATER) GALV (LATER)	C C C C C C C C C C C C C C C C C C C	200	2000000			-1	TOTAL II	(POICE)	(INICH)	T TOTAL	(MICA)	3	3	+
Five MH-67403 (LATER) GALV (LATER) (LA	HVZ3-LF-UZUIAB	E L	MAL-D/400		CAPLV.	_1		(Alek)	(LAIER)	HUSBE	(CATER)	SC	E.	4
Five MH-67403 (LATER)	HVZ3-LT-LLADIAC	2	MH 5/4UU		CALV		(LATER)	(LATER)	(LATER)	FUSIER	CATERO	SC	ğ	4
Fire MH-67403 (LATER) GALV (LATER) (LA	HVZ3-U1-UZUUBA	Me	MH-5/403		GALV		(LATER)	(CATER)	CATER	FUSIBLE	(LATER)	SC	2	4
Five MiH 67403 (LATER) GALV (LATER) SC Five MIH 67408 (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SC Five MIH 67406 (LATER) GALV (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SS Five MIH 67406 (LATER) GALV (LATER) (LATER) (LATER) (LATER) (LATER) SS	HVZ3-CF-020088		MH-67403		GALV		(LATER)	(ATER)	(LATER)	FUSIBLE	(LATTER)	သွင	ដូ	_
Fire MH-07403 (LATER) (LATER) (LATER) (LATER) (LATER) CATER) CA	HVZ3-DF-0200BC		MH-67403		GALV		(LATER)	(LATER)	(LATER)	HISHE	(LATER)	SS	E.	H
Fire IMH-07403 (LATER) GALV (LATER) (LATER) (LATER) FUSIBLE (LATER) SC Fire MH-07403 (LATER) GALV (LATER) (LATER) (LATER) LATER) (LATER) SS Fire MH-07406 (LATER) GALV (LATER) (LATER) (LATER) RATER RATER <t< td=""><td>HVZ3-Q-QZD1BA</td><td>Fre</td><td>MH-87403</td><td></td><td>GALV</td><td>ш.</td><td>(LATER)</td><td>(SATER)</td><td>(LATER)</td><td>FUSIE</td><td>(LATER)</td><td>S</td><td>E E</td><td>H</td></t<>	HVZ3-Q-QZD1BA	Fre	MH-87403		GALV	ш.	(LATER)	(SATER)	(LATER)	FUSIE	(LATER)	S	E E	H
Fire MH-67403 (LATER) GALV (LATER) (LA	HVZ3-CF-020188	FIRE	MH-07403		GALV	L	(LATER)	(LATER)	(CATER)	FISHE	CLATER	350	3	┝
Fire MH-67406 (LATER) GALY (LATER) (LATER) (LATER) FUSIBLE (LATER) SS (LATER) (LATER) (LATER) SS (LATER) (LATE	HVZ3-DF-0201BC		MH-67403	(LATER)	GALV		(LATER)	(LATER)	(LATER)	FUSIFIE	MATER	36	PC	╁
Fire MH-07-00 (ATER) GALY (ATER) (ATER) (ATER) (ATER) (ATER) SS (ATER) CALL (ATER) (ATER) (ATER) (ATER) CALL (ATER) (ATER) (ATER) (ATER) (ATER)	HW73JJE-JN45		MILBZARA	A ATTEDA	CALV		(I ATED)	// ATCD)	// ATCD!	I I I I I	A ATCON	00	5,70	╀
F. MILEGARD (LATER) CALLY (LATER) (LAT	HVZUFLINK	I	- CO.	SILEN.	15	-1	15:15	200	10101	1	77153	3	3	+
			MILL PIZZUR	A ATED!	11 10		A ATECON	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1071-8-11	10 (2) (2) (3)	100111111111111111111111111111111111111	15	1	

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	Fig. 1964/2007 CATATRY CALVEY CALVERY CATATRY CALVERY	Damper Type		Physical Drawing Number	Material	Duct Shape	Damper Position	Sleeve Size	Sleeve Length	Type of Link	Air Flow Rate (acfns)	Safety Class			
Fig. 88 1845/94/7 (ATER) CALES	Fig. 88 MARCHART LATERN CALVERS LATER	Н	Fire		_	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS		L
Fine Her-Ford CATERN CALVEN CATERN C	Fig.	HVZ3-DF-0090	Fire	MH-87407		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	CATER	SS	S	
Fig. 60 Margardin CATERN	Fig.	HVZ3-DF-0091	Fire	MIH-67407		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
Five MASSAGE CATEST CA	Fig.	HVZ3-DF-UURZ	FIRE	MH-87407		GALV.	(LATER)	(CATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
Fig.	Fig. Microbia CATEST C	HVZ3-DF-0083	Fire	MIH-67407	(LATER)	GALV.	(LATER)	(ATER)	(LATER)	(LATER)	FUSIBLE	(LATERU	S	PC2	
Fig. BH-57400 LATER	Fig. Michigan CATEST C	HW72-DE-0005	2 2	MH-0/40/	(LAICK)	CALV	(AIEK)	(ALEX)	(Alex)	(ATEK)	TOSE L	CAIER	SS	PC2	
Fig. IMMG/27/30 LATERS GAVY LATERS LATERS<	Fig. MEGGGG (ATERN) (A	HV72-DE-0070	L L	MIL 8740B	(ATED)	1 1 1	(ATEN)	(ATEN)	(Alex)	MATER	TUS BLE	SAILES.	28	25	
Free MAGGATO LATERIA GAVY LATERIA LATE	Fig. 88 Michigan CATEST HV73-DF-0071	Fire	MH-67400	ĺ	GALV.	AATED	A ATED		(AREK)	TOSE L		200	7 8		
Free IMAG7420 (LATER) GAVY (LATER) (LA	Free Medication (LATIEN) GALVEY (LATIEN) CALVERN (L	HVZ3-DF-0001	Fire	MH-67410		VIN	ATER!	II A TER	I ATER	A A TED	TOSOLE FINCES	(CATED)	200	72	
Fig. MH-G710 (LVER) GAW (LVER)	Fig. Margaria CATIENT CATIEN	HVZ3-DF-0085	F	MH-87410		SAL V	(LATER)	A ATER	(I ATER)	MATERI	FINGRIE	A ATED	3 2	3 2	
Fire MH-67411 (A/TER)	Free MAGNATI (ATER) GAVY (ATER) (AT	HVZ3-DF-0098	Fire	MBH-67410		GALV	(LATER)	(LATER)	(ATER)	MATERI	FISSE	MATERI	200	200	
Fig. MH-6742 (LATER) (Free MASSYLE (ATER) (HVZ3-DF-0105	File	MH-67411		GALV	(LATER)	// ATER	(I ATER)	A ATERN	FINCIBLE	O ATHRY	30	S Cod	
Fee MetG412 LATER) CAUY LATER) LATER	Free WASTALL (ATERN OF CATES) CATES OF CATES CATES OF CATES CATES OF CATES OF CATES CATES OF	HVZ3-DF-0086A	Fire	MBH-67412		GALV	(LATER)	MATER	(I ATER)	MATER	FISSIE	(ATFR)	3	32	
Free MH-67412 LATERY LATERY<	Fig. M-67412 (ALTER) GALTER (ALTER) (A	HVZ3-DF-00668	Fire	MH-67412		GALV	(LATER)	CATER	(A)	AATER	FISSBLE	(LATER)	SC	E S	
Fire MACRA 12 (ALTER) GALV. (ALTER) (A	Fig. MACKED (ATERN) (A	HVZ3-DF-0067	Fie	MH-67412		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSABLE	(LATER)	83	24	
Five MARGA12 (LATER) GALV. (LATER)	Fig. MAG9742 (LATER) GAUY. (LATER) (LATER) LATER) LA	HVZ3-DF-0068	Fire	MEH-67412		GALV	(LATER)	(LATER)	(LATER)	CATERO	FUSIBLE	CATER	SS	PCS	
Five MARGYALE (ALTER) GAMY (ATER) (ATER) </td <td>Five MAGFATOL (LATER) (AATER) (LATER) (LATER)</td> <td>HVZ3-DF-0072</td> <td>Fire</td> <td>MH-67412</td> <td></td> <td>GALV.</td> <td>(LATER)</td> <td>(LATER)</td> <td>(LATER)</td> <td>(LATER)</td> <td>FUSIBLE</td> <td>(LATER)</td> <td>B</td> <td>Z.</td> <td></td>	Five MAGFATOL (LATER) (AATER) (LATER)	HVZ3-DF-0072	Fire	MH-67412		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	B	Z.	
Five MAG7412 (LATER) GALV. (LATER) (LA	Five MAGPATA (ATER) GALV. (ATER) (ATER) <td>HVZ3-DF-0109</td> <td>File</td> <td>MH-67412</td> <td></td> <td>GALV.</td> <td>(LATER)</td> <td>(LATER)</td> <td>(LATER)</td> <td>(LATER)</td> <td>FUSIBLE</td> <td>(LATER)</td> <td>SS</td> <td>සි</td> <td></td>	HVZ3-DF-0109	File	MH-67412		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	සි	
Five MH-67412 (LATER) GALV. (LATER) (L	Five MAGYATA (LATER) GALV (LATER) (LAT	HVZ3-DF-0202A	Fire	MH-67412		GALV.	(CATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	<u> </u>	
Free MH-67413 (ATER) GALV. (ATER) (LATER) (LAT	Five MAPOYALS (LATER) GALV (LATER)	HVZ3-DF-02026	Fre	MH-67412		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	သွ	2	
Fire MH-57413 (LATER)	Fig. MH-67413 (A/TER) GALV (A/TER) (A/TER) (A/TER) GALV (A/TER) (A/TER	HVZ3-DF-0056	File	MH-67413		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3	
Five MH-67418 (LATER) (AATER) (LATER)	Five MH-67415 (ATER) (AATER) (HVZ3-DF-0058	Fire	MH-87413		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	83	PC3	
Five MH-67415 (LATER)	Five WH-67416 LATER GALV LATER LAT	HVZ3-DF-D060		MEH-87413	(LATER)	GALV.	(LATER)	(LATER)	(ATER)	(LATER)	FUSIBLE	(LATER)	જ	PC3	
Fig.	Fire WH-07410 CATTERY CATTER	HVZ3-UF-UUUZ	FIRE	MH-67415		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(CATTER)	SS	<u>r</u>	
Fire MH-67415 (LATER) GALV. (LATER)	Fire Mi-67415 LATER) CALERY LATERY L	UNITED DE DATE		21-10-Law		200	CATER	CATER	(Alex)	(LAIEK)	LUSBER	(Alex)	3 5	23	
Five MH-67416 (LATER)	Five ME-67416 (ATER) GALV (ATER) SS PC2 Five ME-67416 (ATER) GALV (ATER) (ATER) FASBEE (ATER) SS PC2 Five ME-67416 (ATER) GALV (ATER) (ATER) ATER (ATER) SS PC2 Five ME-67416 (ATER) GALV (ATER) (ATER) (ATER) SS PC2 Five ME-67416 (ATER)	HAZZDE-DIZI	a di	NAH-87415		CALV	(LATER)	A ATER	A ATED	(A) ATEO	TO SOUTH	(LAIEK)	38	38	
Five MH-67415 (LATER) (GALV. (LATER) (LATER)	Fire MH-97415 (LATER) GALV. (LATER) (L	HVZ3-DF-0122	Fire	MH-87415		GALV	MATER	ILATER	(ATER)	(I ATER)	TINE THE	(LATER)	3 8	3 2	
Five MH-67415 (LATER) GALV. (LATER) (L	Free MH-67416 (LATER) GALV. (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SS PCZ Free MH-67416 (LATER) GALV. (LATER) (LATER) (LATER) SS PCZ Free MH-67416 (LATER) GALV. (LATER) (LATER) SS PCZ Free MH-67416 (LATER) GALV. (LATER) (LATER) SS PCZ Free MH-67416 (LATER) GALV. (LATER) (LATER) SS PCZ Free MH-67417 (LATER) GALV. (LATER) (LATER) (LATER) SS PCZ Free MH-67417 (LATER) GALV. (LATER) (LATER) (LATER) SS PCZ Free MH-67418 (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SS PCZ Free MH-67418	HVZ3-DF-0123	Fire	MH-67415		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FISSIRE	(LATER)	8	PC)	
Fire MH-67415 (LATER) GALV. (LATER) (L	Fire MH-07415 (LATER) GALV (LATER) SS PC2 Fire MH-07416 (LATER)	HVZ3-DF-0124	Fire	MH-67415		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	B	2	
Five MH-67415 (LATER) GALV. (LATER) (L	Five MH-67416 (LATER) GALV. (LATER) (L	HVZ3-DF-0125	Fire	MH-87415		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	SS	PC2	
Fire MH-67415 (LATER) GALY. (LATER)	Five MH-67416 (LATER)	HVZ3-DF-D128	Fire	MH-67415		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
Five MM-67416 (LATER) GALV. (LATER) (L	Fire MH-67416 (LATER) GALV (LATER) SS PC2 Fee MH-67416 (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SS PC2 Fee MH-67416 (LATER) (LATER) (LATER) (LATER) (LATER) SS PC2 Fee MH-67417 (LATER) (LATER) (LATER) (LATER) SS PC2 Fee MH-67418 (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SS PC2 Fee MH-67418 (LATER) (LATER) (LATER) (LATER) (LATER) SS PC2 Fee MH-67418 (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) PC2 Fee MH-67418 (LATER) (LATER) <td< td=""><td>HVZ3-OF-0127</td><td>Fire</td><td>MH-67415</td><td></td><td>GALV.</td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>FUSIBLE</td><td>CATERS</td><td>B</td><td>PC2</td><td>1</td></td<>	HVZ3-OF-0127	Fire	MH-67415		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	CATERS	B	PC2	1
Fire MH-67410 (LATER) GALV. (LATER) (L	Fire MH-67410 (LATER) GALV. (LATER) (LATER) (LATER) CATER) CATE	HVZ3-DF-0047	الع	MH-67416		GALV	(LATER)	(LATER)	(LATER)	(LATER)	PUSIBLE	(LATER)	B	F2	
Fire MH-67410 (LATER) (LATER	Fire MH67410 (LATER) (UVZ3-DE-0000	2 G	MEN-07410		CALL	(Alek)	LAIEN	(AIBR)	(Alex)	POSIBLE DESIGN	(CATER)	S	PC2	
Five MH-67417 (ATER) GALV. (ATER) (ATER) </td <td>Fire MH-07417 (ATER) GALV. (LATER) (LA</td> <td>HAZZ-DE-D080</td> <td>2 2</td> <td>MIL 87418</td> <td></td> <td>VIAS</td> <td>A ATED</td> <td>ATED</td> <td>A ATED</td> <td>NOIN IN</td> <td>TING DE</td> <td>(CATER)</td> <td>3 8</td> <td>2 2</td> <td></td>	Fire MH-07417 (ATER) GALV. (LATER) (LA	HAZZ-DE-D080	2 2	MIL 87418		VIAS	A ATED	ATED	A ATED	NOIN IN	TING DE	(CATER)	3 8	2 2	
Five MH-67417 (LATER) GALV. (LATER) (L	Fire MH-07417 (LATER) GALV. (LATER) (L	HVZ3-DF-0097	L L	MH-67417	(LATER)	GALV	(LATER)	HATER	MATER	ATER	THE PERSON	A TER	3 8	38	
Fire MH-67417 (LATER) GALV. (LATER) (LATER) (LATER) CATER) (LATER) CATER) CAT	Five MH-67417 (LATER) GALV. (LATER) (L	HVZ3-DF-0098	Fire	WH-67417	(LATER)	GALV	(LATER)	(LATER)	(ATER)	(LATER)	FUSIBLE	(LATER)	88	22	
Five MH-07417 (LATER) GALV. (LATER) (L	Fire MH-07417 (LATER) (GALV. (LATER) (LATER)	HVZ3-DF-0099	F	MH-87417	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	ភួ	
Five MH-67418 (LATER) CATER) (LATER) (Fire MH67418 (LATER) GALV. (LATER) (LA	HVZ3-DF-0100	Fire	MH-67417		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC2	
Five MH-87418 (LATER) GALV (LATER) (LA	Fire MH-07418 (LATER) GALV (LATER) (LA	HVZ3-DF-0101	File	MH-67418		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIDLE	(LATER)	S	PC2	
Fire MH-07-00 (LATER)	Fire MH-07418 (LATER)	HVZ3-DF-0102	2	MH-87418		GALV.	(LATER)	(LATER)	(ATER)	(LATER)	FUSIBLE	(LATER)	SS	នួ	
Fire MH-67419 (LATER)	Fire MH-07410 (LATER) GALV. (LATER) (L	LACTO DE DITA	الله الله	MH-0/418		7 2 2	(Alek)	CALEKO	(LATER)	(AIER)	FUSIBLE	(LATER)	88	23	
Fire MH-67419 (LATER)	Fire MH-67419 (LATER) GALV. (LATER) SS PCZ Fire MH-67419 (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SS PCZ Fire MH-67000 (LATER) GALV. (LATER) (LATER) (LATER) (LATER) PCZ PCZ Fire MH-67000 (LATER) GALV. (LATER) (LATER) (LATER) PCZ PCZ Fire MH-67000 (LATER) GALV. (LATER) (LATER) (LATER) PCZ PCZ Fire MH-67000 (LATER) GALV. (LATER) (LATER) (LATER) PCZ PCZ Fire MH-67000 (LATER) (LATER) (LATER) (LATER) (LATER) PCZ PCZ	HVZ2.0E.0151	<u>a</u>	MIT-07410		SALV.	// ATER	II ATED	(ATER)	CATERO	TUSIBLE DISCIPLE	GALER	28	38	
Fire MH-67419 (LATER)	Fire MH-67419 (LATER) GALV. (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) CATER) C	HVZ3-DF-0152	ين ي	MH-67419		GA V	(ATER)	(LATER)	(ATER)	LATER	FUSBER	MATER	8 12	30	
Fire MH-87419 (LATER)	Fire MH-67419 (LATER) GALV. (LATER) (L	HVZ3-DF-0153	File	MH-87419		GALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	Ø	D. C.	
Fire MH-67600 (LATER) (LATER) (LATER) (LATER) FUSIBLE (LATER) Fire MH-67600 (LATER) GALV. (LATER) (LATER) <td>Fire MH-67000 (LATER) (LATER) (LATER) (LATER) (LATER) CATER) CA</td> <td>HVZ3-DF-0154</td> <td>Fire</td> <td>MH-67419</td> <td></td> <td>GALV.</td> <td>(LATER)</td> <td>(LATER)</td> <td>CATTER</td> <td>CATER</td> <td>FUSIBLE</td> <td>(LATER)</td> <td>SS</td> <td>PC2</td> <td></td>	Fire MH-67000 (LATER) (LATER) (LATER) (LATER) (LATER) CATER) CA	HVZ3-DF-0154	Fire	MH-67419		GALV.	(LATER)	(LATER)	CATTER	CATER	FUSIBLE	(LATER)	SS	PC2	
Fire MH-67600 (LATER) GALV. (LATER) (LATER) FUSIBLE (LATER) Fire MH-67600 (LATER) GALV. (LATER) (LATER) (LATER) FUSIBLE (LATER) Fire MH-67603 (LATER) GALV. (LATER) (LATER) (LATER) FUSIBLE (LATER) Fire MH-67603 (LATER) GALV. (LATER) (LATER) (LATER) LATER) (LATER) Fire MH-67603 (LATER) GALV. (LATER) (LATER) (LATER) FUSIBLE (LATER)	Fire MH-67800 (LATER) (LATER) (LATER) (LATER) (LATER) CATER) CA	HVZ3-DF-0050A	Fire	MH-67600		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ස	Note 2
Fine MH-67000 (LATER)	Fire MH-67000 (LATER) GALV. (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) CATER) CATER) <th< td=""><td>HVZ3-DF-0050A</td><td></td><td>MH-67600</td><td></td><td>GALV.</td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>FUSIBLE</td><td>(LATER)</td><td>8</td><td>P.C.</td><td>Note 2</td></th<>	HVZ3-DF-0050A		MH-67600		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	8	P.C.	Note 2
Fire IMH-07003 (LATER) (LATER) <th< td=""><td>Fire MH-07003 (LATER) (LATER)</td><td>HVZ-UF-UBIA</td><td></td><td>MH-6/600</td><td></td><td>GALV.</td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>(LATER)</td><td>FLISIELE I</td><td>(LATER)</td><td>ပ္တ</td><td>ន្ទ</td><td>Note 2</td></th<>	Fire MH-07003 (LATER)	HVZ-UF-UBIA		MH-6/600		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FLISIELE I	(LATER)	ပ္တ	ន្ទ	Note 2
Fire MH477603 (LATER)	Fire MIRTOROS (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SC PC3 Fire MIR407003 (LATER) GALV. (LATER) (LATER) (LATER) SC PC3 Fire MIR407003 (LATER) GALV. (LATER) (LATER) (LATER) SC PC3 Fire MIR407006 (LATER) GALV. (LATER) (LATER) (LATER) SC PC3	LACES DE ORENO		MILL PORDIO		GALV.	(Alek)	(CATER)	(AIEC)	(LAIEK)	T CONTRACT	(CAIEK)	38	2	Note 2
Fire MH27003 (LATER) GALV (LATER) (LATER) (LATER) FISHER RISHER ATTER	Fire MH-07003 (LATER) GALV. (LATER) (LATER) (LATER) (LATER) TOSIBLE (LATER) SC PC3 Fire MH-07003 (LATER) GALV. (LATER) (LATER) (LATER) (LATER) FUSIBLE (LATER) SC PC3 Fire MH-07006 (LATER) GALV. (LATER) (LATER) (LATER) FUSIBLE (LATER) SC PC3	HAVZ-OF-UUSUBL	T. T. E.	MIT-07003		GALV.	(Alek)	CAIRO	A PA	CAIRK	HUSINE I	(AIEK)	38	38	Notice 2
	Fire MIH-07803 (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) (LATER) SC PC3 Fire MH-07806 (LATER) GALV. (LATER) (LATER) (LATER) (LATER) SC PC3	HVZ3-DF-0051B	يا ي	MH-878M3		GALV.	A A TER	(I ATER)	(LATER)	ATED	TOSTE TO TO TO TO TO TO TO TO TO TO TO TO TO	A ATED	3 5	3 2	Mode 2
Fire IMH-67003 (LATER) GALV. (LATER) (LATER) (LATER) FUSIBLE (LATER)	Fire MH-87806 (LATER) GALV. (LATER) (LATER) (LATER) FUSIBLE (LATER) SC PC3	HVZ3-DF-005188	E E	MH-67803		GALV.	(LATER)	CATER	(LATER)	(LATER)	FUSIBLE	CATER	38	3 12	Note 2
Fire MH-07006 (LATER) GALY. (LATER) (LATER) (LATER) FUSIBLE (LATER)		HVZ3-DF-0050C	Fire	MH-67606		GALV.	(LATER)	(LATER)	(ATTER)	// ATFR	日に記れ	A ATER)	S	200	Motte 2

					Duct Shape		Sleeve Size	Sleeve Length		Air Fluir Rate		
Client Tag	Damper Type	P&ED No	Physical Drawing Number	Material	1	Damper Position	1	(m)	Type of Link	(acfm)	Safety Class	Seismic Class
HVZ3-DF-0050CB		M8H-67606		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	
HVZ3-DF-0051CA		MH-67606	(LATER)	GALV.	(CATER)	(LATER)	(LATER)	(LATER)	THEN H	(LATER)	SC	PC3
HVZ3-UF-UBJCH		MRH-67908		SALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	ပ္တ	<u>ដ</u>
LAPTO DE ONSO		100 TO 100 B		O. C.	(Alex)	(LAIER)	(Alek)	(LATER)	FUSBILE	(LATER)	33	
HV72-DE-0117		MIL 67811		Ser V	(Alex)	(ATER)	CALERO	CATER	FUSIBLE	(ATER)	38	
HVZ3-DF-0011	يو ي	MH-87812	((ATER)	> N	ATTA!	(I ATER)	1917	II ATED	TOSIBLE ELICIBIE	(LATER)	25	38
HVZ3-DF-0012		MH-67612		GALV	(ATFR)	(LATER)	(LATER)	(ATER)	FISHE	A ATERI	33	3 2
HVZ3-DF-0013		MH-67612		GALV.	(ATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	MATER	88	200
HVZ3-DF-0079		MH-67612		GALV	(LATER)	(LATER)	(ATER)	(LATER)	FUSIBLE	(LATER)	SS	50
HVZ3-DF-0014		MH-87613		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3
HVZ3-DF-0080	Fire	MH-67613		GALV.	(CATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	S.
HVZ3-DF-0015A	Fite	MH-87814		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	EG.
HVZ3-DF-0015B	Fire	MH-67614	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	සු
HVZ3-DF-0016A	Fire	MEH-67614		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SS	PC3
HVZ3-DF-0016B	E	MH-87814		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ದಿ
HVZ3-DF-0020A	F.	MH-67815	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	ದಿ
HV23-UF-0020B	1	C19/9-HW		CALV	(LATER)	(LATER)	(LATER)	(CATER)	FUSBIE	(LATER)	SC	ස
HVZ3-OF-UIZA		MEH-0/610		CALV	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	ပ္ပ	នួ
HVZ-U-UZ-B		MH-6/616	(LATER)	GALV.	(LATER)	(CATER)	CATERO	(CATER)	FUSSBIE	(LATER)	ပ္တ	ឌ
0700-CL-0070		MET-0/01/		SALV.	(LAIEK)	(LATER)	CATER	CATERO	FUSIBLE	(LATER)	x	ŭ
MAZS-CN-UUZI	2	MH-0/61/		SALV	(ATER)	(LATER)	(ATER)	(LATER)	FUSBIE	(LATER)	SS	2
TACACA-CA-CAGS	2	MET-0/01/		CALV	(LATER)	(LATER)	(ATER)	(LATER)	FUSBLE	(LATER)	S	ğ
HV23-UF-00338		MH-0/018		SALV.	(ATER)	(LATER)	CATER	(LATER)	FUSTBLE	(LATER)	SC	ន្ត
HV72-DE-0033B		MET-0/018	(ALER)	CALV	(Alek)	(Aleko	(Alth	TATER	FUSBIE	(LATER)	38	28
HAZ3-DE-DONA	L L	MAL 87820		CALV	A ATED	O ATED	NATE OF	(AND AND AND AND AND AND AND AND AND AND	10000	CAICK	3 8	3 5
HVZ3-DF-0030	Fire	MH-87820		Z Br V	ATER	STATE OF	NO TAIL	(ATER)	TIGORIA I	ATED	38	35
HVZ3-DF-0037	FIRE	MH-67820		GALV.	CATER	(LATER)	(LATER)	(LATER)	FISHE	(LATER)	3 8	200
HVZ3-DF-0128	Fire	MH-87620		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	22
HVZ3-DF-0129	Fire	MH-67620		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	B	E.
HVZ3-DF-0130	Fire	MH-67820		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	83	<u>2</u> 2
HVZ3-DF-0131	Fire	MH-87820	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	PC2
HVZ3-DF-0132A	Fire	MH-67820		GALV	(CATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	SC	PC3
HVZ3-DF-0132B	a L	MH-67820		GALV.	(CATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	႘	සි
HVZ3-UF-UT33A	E C	MH-6/620		GALV.	(ATER)	(AIER)	(ATER)	(LATER)	FUSIBLE	(LATER)	ပ္တ	ន
TAK23-DF-01330		MH-0/020		N Cark	(AER)	(LAIER)	(AIER)	(LATER)	HOSIBLE	(LATER)	SS	E I
HA772 DE OUOR	a 1	MIT A7821		CALV	NATES	CATER	CALERO	(LAIER)	TASIBLE D	CATER	38	28
HV73-DE-DODR	a de la constante de la consta	MH-87R21		CAIV	A TED	(LATED)	(C) (C)	(ATC)	מוטוטוב	G ATEDA	88	3 5
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HVZ3-0F-0074	a L	MH-87871		GALV	A ATER	I ATERI	A ATEDI	(LATER)	TOSIGE EVENE	CATER!	88	38
HVZ3-DF-0075	E L	MH-67821		GALV	(LATER)	(I ATER)	(LATER)	(ATER)	FISINE	ATT-RI	38	3 2
HVZ3-DF-0081	Fire	MH-87821		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSBLE	(LATER)	83	S.
HVZ3-DF-0135	Fire	MH-67821		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	PUSIBLE	(LATER)	SS	73
HVZ3-DF-D136	FE	MH-67821		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	S.
HVZ3-DF-0137	E L	MH-87821	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	8	S.
מבות-הלים מבינה		MIT-07021		2	(X)	(LAIEK)	(FAIEK)	(Alek)	FUSIBLE	(IAIEK)	3	ğ
HVZ3-UF-UI3B	1	MH-0/021	CAIER	CALV	CALEK	(AIER)	CALEK	(LAIER)	FUSIBLE	(LATER)	88	g g
HVZ3-DF-0078		MH-R7R22	MATER	CALV	(ATER)	(LATER)	(ATER)	(ATE)	10000	(IATER)	88	35
HVZ3-DF-0115		MH-R7R22	OATER	GALV	A ATERY	(I ATER)	// ATER	(ATTED)	DISIBLE D	A ATED	3 8	200
HVZ3-DF-0116	File	MH-87622	(CATER)	GALV	(LATER)	(IATER)	(LATER)	HATER	FUSIBLE	ILATER	3 82	200
HVZ3-DF-0028	Fire	MH-67623		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	83	S.
HVZ3-DF-0035	Fire	MH-67623	(LATER)	GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBILE	(LATER)	SS	P.C.2
HVZ3-DF-0029		MIH-67624		GALV.	(LATER)	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	S	22
HVZ3-DF-0119	1	MH-87824		GALV.	CATERS	(LATER)	(LATER)	(LATER)	FUSIBLE	(LATER)	B	ğ
HV72-DE-0148		MIH-07023	(AIES)	GALV.	(Alek)	LAIER	STEE	LAILER	FUSIBLE	(LATER)	3 8	38
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NOTE																									J.												
Safety Class Seismic Class	P.	PC3	P. C.	සි	සිය	S.	දි	ដ	සිය	සි	PG	EG.	PG	සිය	සි	සි	සි	2	ន្ទ	E E	සි	PC3	PC3	PG3	E E	PC3	PC3	R	FG	PC3	2	PC3	PC3	153	PC3	E E	S
Safety Class	SS	S	SS	SS	SS	SS	8	SS	SC	ઝ	SC	28	ઝ	S	SS S	ß	ᅜ	သွ	မ	SC	SC	SC	သ	SC	သွ	SC	25	SC	SS	SS	S	SC	SS	33	SS	क्ष	SS
Air Flow Rate (acfm)	(LATER)	(LATTER)	(LATER)	(LATER)	(LATER)	(LATER)	(NATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(IATER)	(LATER)	(LATTER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(PATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(PATIER)
Type of Link	FUSIBLE	FLESIBILE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	LUSIDIE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FIRSH	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE	LUSIBLE	FUSIBLE	FUSIBLE	FUSIBLE
Sierve Length (in)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(MTER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(I ATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)
8	(LATER) (LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(I ATFR)	(LATER)	(LATER)	(LATER)	(LATER)	(LATERI)	(LATER)	(CATER)	(LATCR.)	(LATTER)	(ATER)	(ATE)								
Damper Position	(LATER)	(LATER)	(L/TER)	(LATER)	(LATER)	(CATER)	(CATTER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(CATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(I ATFR)	(LATER)	(CATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	CATER
Duet Shage (in)	(LATER)	(LATTER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(I ATFR)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)
Material	GALV.	GALV.	GALV.	GALV.	GALV.	GALV.	CALV.	GALV.	GALV.	GALV.	GALY.	GALV.	GALV.	GALV.	GALV.	GALV.	GALV.	GALV.	GALV.	GALV.	GALV.	GALV	GALV.	GALV.	GALV.	GAI V	GALV.	GALV.	GALV.	GALV.	GALV.	GALV	GALV	CALV	GALV	GALV	GALV
Physical Drawing Number	(LATER) (LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(I ATFR)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)	(LATER)								
-	MH-67625	MH-67626	MH 67628	MH-67903	NH-67903	MH-67903	MI F67903	MH-67903	NH 68403	MH-69403	NBH-08403	NH-68403	NH-68403	MH-68403	MH-68403	MH-68403	MH-68600	MH-68600	NEH-69601	NET-69901	MH-88707	MH-68707	MH-68707	MEH-68707	MH-68900	MET SPOOD	MH-68900	MH-68900	MET-BROOD	NEH e0100	MH-69500	MH-69700	MH-69700	M F88700	MH-69700	NH-69700	00789-HM
Damper Type	Fire	뜐										Fire					Fire	Fire			Fine			File			Fire	Fire	Fire	Fire	Fine	Fire	Fire	Tire	٦		
Chent Tag	HVZ3-DF-0147	H723-DF-0009	HX23 DF 0077	HVZ3-DF-0141	HVZ3-DF-0142	HXZ3-DF-0143	INZ3-DF-0144	HZ3-DF-0145	HVAM-DF-0001A	HVAIM-DF-0001B	HVAM-DF-0002A	HVAM-DF-0002B	HVAM-DF-D003A	HVAM-DF-0003B	HVAM-DF-0004A	HVAM-DF-00048	HVAF-DF-0001AA	HVAF-DF-D001AB	HVAF-DF-0001BA	HVAF-DF-000168	HVAL-DF-0050A	HVAL-DF-0050B	HVAL-DF-0051A	HVAL-DF-0051B	HVAS-DF-0001A	HVAS-DF-AMILIA	HVAS-DF-0003A	HVAS-DF-00038	HVAD-DF-0001A	HVAD DF 0001B	HWAD-DF-0027	HWAE-DF-0003	HNAE-DF-0004	FWAL-DI-GOOS	HVAE-DF-0008	HMAE-DF-0007	HAME-DF-0008
Status																																					

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

Page 12 of 12

SUPPLIER / CONTRACTOR QUESTIONAIRE

Enter Dun and Bradstreet (DUNS) Number: 1. GENERAL INFORMATION NAME OF COMPANY (Full Legal Name) STREET ADDRESS CITY - STATE - ZIP CODE TELEPHONE FACSIMILE E-MAIL
NAME OF COMPANY (Full Legal Name) STREET ADDRESS CITY - STATE - ZIP CODE MAILING ADDRESS CITY - STATE - ZIP CODE
STREET ADDRESS CITY - STATE - ZIP CODE MAILING 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 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/ TECHNICAL GENERAL SERVICE SERVICE
OTHER (SPECIFY)
OTTLEN(SI COILT)
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 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\$
C. Present Net Worth Bank Phone No.
Can you furnish a Performance Bond?
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
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 Phone No

E. Current Financial Ratios (Public companies	only)						
Working Capital / Total Assets				Retai	ned Earnings / To	otal Assets	
Earnings Before Interest and Taxes / Total As	ssets			Marke	et Value of Equity	/ / Total Liabilities	
Sales / Total Assets							
F. Current Financial Ratios (Private companies	s only)						
(Current Assets-Current Liabilities) / Total As	sets			Retair	ned Earnings / To	otal Assets	
Earnings Before Interest and Taxes / Total A	ssets			Book	Value of Equity /	Total Liabilities	
Sales / Total Assets							
3. PERSONNEL (For this location –Sta	te "Not A	pplicable" if	the p	osition	does not exis	t at this locati	on)
A. President:			D.	Engineer	ing Manager:		
B. Sales Manager:			E. 4	QA/QC N	/lanager:	_	
C. Production Manager:			F.	Field Sup	port Manager:		
4. LABOR RELATIONS – Shop Fabrica (List all crafts with which you have contracts)	s and/or w		nts. C	heck hei	re if not applicabl	е: 🔲	
CRAFT	EXPI	RATION DATE			CRAFT		EXPIRATION DATE
1.			3,				
2.			4.				
5. PLANT OPERATIONS (For this facility of A. Name/Address of This Facility (if different the				_	cilities) Ch	eck here if not	applicable
Name	Addre	ss				Phone	
						Facsimile	
B. Number of Employees at This Facility:					C. Plant in Ope	ration Since:	
D. Do you have a Quality Assurance/ program	written to	comply with the	follow	ing:			I.
Nuclear related activities – 10CFR 830, Subpar implemented through a quality assurance progr Other: Specify	t A and DC	DE Order O 414.	1C, C	ontracto	r requirements do	ocument (Attachn	nents 2, 3 and 4) as
Non Nuclear related activities – 10 CFR 830, Stimplemented through a quality assurance programmer.					tractor requireme	ents document (A	attachments 2, 3 and 4) as
Other: Specify							
Nuclear Yes No	Other	Certification (Pl	ease	Specify)			
ISO 9001 Yes No	Other	Certification (P	lease	Specify)			I
For your Quality Assurance/Quality Control p the method and level of compliance standard	orogram(s), d(s).	attach the Tabl	e of C	Contents	from relevant ma	nual(s) or, on ad	ditional pages, describe
E. Export Capabilities PROVIDE EXPORT	PACKING	?	s [] по	FAMILIA	AR WITH EXPOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
F. Shipping Facilities RAIL SIDING	TRUCK	DOCKS 🔲	WAT	ER ACCI	ESS WAT	ER ACCESS DR	AFT meters

6. BIDDING INTEREST AND	QUALIFICATION	IS				
A. Indicate your relebant experie (Attach additional pages if r		ns as described i	n the attache	d "Scope of Work",		
B. Indicate appropriate Contract/I \$	Purchase Order doll	ar range within w	hich you pre to \$	fer, and are currently able	, to bid (i.e	e., \$250,000 to \$1,500,000)
C. Indicate Industry or Code Cert	ifications (ASME, Al	PI, TEMA, Class	of Code-Star	np, etc.)		
CERTIFICATION		EXPIRATION DATE		CERTIFICATION		EXPIRATION DATE
1,			4.			
2.			5.			
3.			6.			
7. PROFESSIONAL LICENSE Indicate the work category you are lice		s) (Country/State/P	rovince) in whi	ch vou hold each. Attach add	litional page	es. if necessarv.
TYPE OF LICENSE	LOCATION	,,,,	TYPE OF L	-		LOCATION
1,			4.			
2.			5.			
3.			6.			
8. ENGINEERING, ARCHTEC	TURAL AND OT	HER TECHNIC	AL SERVI	CES CONTRACTORS	/ SPECII	FIC DATA LISTINGS
A. In addition to circling applicable (i.e., chemical engineering, hyd	work categories in	Appendix A (Go	ods and Serv	rices Codes), also indicate		
B. List Personnel by Discipline (N	umber on Staff)					
Administrative	-	Electric	cal Engineers	·	Ocea	nographers
Architects		Estima	tors	·	Plann	ners (Urban/Regional)
Chemical Engineers		Geolog	jists	V	Sanita	ary Engineers
Construction Inspec	tors	Interior	Designers	-	Speci	ification Writers
Draftsman		Landso	cape Architec	ts	Struc	tural Engineers
Ecologists		Mecha	nical Enginee	ers	Surve	eyors
Economists		Mining	Engineers	·	Trans	sportation Engineers
9. WORK HISTORY (Complete Also attach a list of permanent of product catalogs, inventory or p	offices and any brod					ities. Please do not include
10. SAFETY & HEALTH EXPE	ERIENCE (Comple	te the attached S	S&H form per	Appendix "D" and attach	to this Qu	estionnaire)
11. SOCIAL AND ENVIRONM	ENT SUSTAINA	BILITY INITIAT	IVES (Chec	k all that are employed th	rough con	npany initiatives)
Written environmental policy			Proc	ducts that have achieved '	'Cradle-to	-Cradle" certification
Environmental performance in	tegrated into corpor	ate mission		cies and practices to minimative energy	mize fuel ı	usage or use of
Social performance integrated	I into corporate miss	ion	☐ Initia	atives to mitigate environm	nental imp	eacts 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.

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Attachment

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. <u>Name and Address</u>. For past Bechtel work, include Bechtel Job No. and also asterisk any work requiring nuclear quality assurance.
 b. <u>Work Description.</u> Describe work scope and then indicate if prime or subcontract.
 c. <u>Start/Stop.</u> Provide starting date and actual/forecast completion by molving and surding to the starting date and actual/forecast completion by molving and Burding to the starting date and actual/forecast completion by molving and surding to the starting date and actual/forecast completion by molving and surding to the starting date and actual/forecast completion by molving and surding to the starting date and actual/forecast completion by molving and surding to the starting date and starting date and actual/forecast completion by molving and surding to the starting date and starting date and actual/forecast completion by molving and surding to the starting date and surding to the starting date and starting date and starting date and starting date and surding to the starting date and s
- Start/Stop. Provide starting date and actual/forecast completion by mo/yr, e.g., Jan 93/Sep94. Schedule and Budget. State either "over", "on", or "under" the contract schedule and budget.

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

_	_	 	-	_	_	 _	_	 ,		
									cessary):	
									nal pages if ne	
									List any awarded Contracts/Purchase Orders that were not satisfactorily completed: (List any and all exceptions and reasons therefore, attaching additional pages if necessary):	
									asons therefore,	
									xceptions and re	
									st any and all e	
									y completed: (Li	
									not satisfactoril	
									Orders that were	
									acts/Purchase C	
									awarded Contra	
									List any	

APPENDIX D

CONTRACTOR SAFETY AND HEALTH QUALIFICATION DATA

NAME OF COMPANY:

The above named Company submits the following Safety & Health qualification data:							
1. SA	FETY PERFORMANCE						
1.1.a	 a Provide a brief description of each fatality your firm has incurred in the three most recent years (add pages if required): 						
Year 20	0[]	Year 20[]		Year 20[]			
1.1.b	Provide a brief description of e the three most recent years (a			actor working under you	ur direction has incurred in		
Year 20	0[]	Year 20[]		Year 20[]			
1.2.a	Provide the following information	on on your firm for	the three most re	cent years:			
			20[]	20[]	20[]		
a.	Number of lost workday cases						
b.	Number of restricted workday	cases.			8 1		
c.	Number of cases with medical	attention only.					
d.	Number of fatalities.						
e.	Number of hours worked.						
1.2.b	Provide the following information recent years:	on on any sub-tier s	subcontractor wo	rking under your direction	on for the three most		
			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.	2. Are accident reports and report summaries sent to the following and how often?										
		Drainat Cun	o elimbo mela m	ot/Cito Mana			No	Yes	Monthly	Quarterly	Annually
	a.			nt/Site Manaç							
	b.		_	ger of Constru	uction						
	c.	Safety Direct									
	d.	President o	t Firm					Ш			
3.	Do	you hold site	safety me	etings for fie	ld employ	ees both M	anual ar	d Non-Manua	l?		
		Yes		No							
	Но	ow Often?									
		Weekly		Bi-Weekly		Monthly		Less Ofte	n, As needed		
4.	Do	you conduct	project sa	fety inspectio	ns?						
		Yes		No							
	If y	es, who cond	lucts this ir	nspection?							
TIT	LE								HOW OF	TEN?	
5.	Ho	w are accider	nt records	and accident	summari	ies kept? H	ow often	are they repo	rted?		
								No	Yes	Monthly	Annually
	a.	Accidents to	otaled for t	he entire con	npany			No □	Yes	Monthly	Annually
	a. b.	Accidents to			npany			_	_		_
		Accidents to	otaled by p		npany						
		Accidents to	otaled by p aled by sur	roject perintendent	npany						
6.	b.	Accidents to	otaled by paled by supaled by fore	roject perintendent eman		v often are t	hey repo				
6.	b.	Accidents to (1) Subtota (2) Subtota	otaled by paled by supaled by fore	roject perintendent eman		v often are t	hey repo				
6.	b.	Accidents to (1) Subtota (2) Subtota w are costs of	otaled by paled by sup aled by fore findividual	roject perintendent eman	ept? Hov	v often are t	hey repo	rted?			
6.	b.	Accidents to (1) Subtota (2) Subtota w are costs of	otaled by paled by supaled by fore f individual	roject perintendent eman l accidents ke ntire compar	ept? Hov	v often are t	hey repo	rted?			
6.	b. Hov	Accidents to (1) Subtota (2) Subtota w are costs of	otaled by paled by supaled by fore findividual d for the e	roject perintendent eman l accidents ke ntire compar	ept? Hov	v often are t	hey repo	rted?	Yes		
6.	b. Hov	Accidents to (1) Subtota (2) Subtota w are costs of Costs totale Costs totale	otaled by paled by supaled by fore f individual d for the ead by projected by supaled by	roject perintendent eman l accidents ke ntire comparet perintendent	ept? Hov	v often are t	hey repo	rted?	Yes	Monthly	
 7. 	b. How a. b.	Accidents to (1) Subtota (2) Subtota w are costs of Costs totale Costs totale (1) Subtota	otaled by paled by supaled by fore findividual and for the ead by projectaled by supaled by fore and Health	roject perintendent eman l accidents ke ntire compare ct perintendent eman personnel pl	ept? Hov	r this project		rted?	Yes	Monthly	Annually
	b. How a. b.	Accidents to (1) Subtota (2) Subtota w are costs or Costs totale (1) Subtota (2) Subtota t key Safety as not been spe	otaled by paled by supaled by fore findividual and for the ead by projectaled by supaled by fore and Health	roject perintendent eman l accidents ke ntire compar ct perintendent eman personnel pl key compan	ept? Hov	r this project	t. Please	rted?	Yes Comparison of the compari	Monthly Grant Gra	Annually
	b. Howa	Accidents to (1) Subtota (2) Subtota w are costs or Costs totale (1) Subtota (2) Subtota t key Safety as not been spe	otaled by paled by supaled by fore findividual and for the ead by projectaled by supaled by fore and Health	roject perintendent eman l accidents ke ntire compar ct perintendent eman personnel pl key compan	ept? Hov	r this project	t. Please	rted? No □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Yes Comparison of the compari	Monthly Grant Gra	Annually
	b. Howa	Accidents to (1) Subtota (2) Subtota w are costs or Costs totale (1) Subtota (2) Subtota t key Safety as not been spe	otaled by paled by supaled by fore findividual and for the ead by projectaled by supaled by fore and Health	roject perintendent eman l accidents ke ntire compar ct perintendent eman personnel pl key compan	ept? Hov	r this project	t. Please	rted? No □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Yes Comparison of the compari	Monthly Grant Gra	Annually
	b. Howa	Accidents to (1) Subtota (2) Subtota w are costs or Costs totale (1) Subtota (2) Subtota t key Safety as not been spe	otaled by paled by supaled by fore findividual and for the ead by projectaled by supaled by fore and Health	roject perintendent eman l accidents ke ntire compar ct perintendent eman personnel pl key compan	ept? Hov	r this project	t. Please	rted? No □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Yes Comparison of the compari	Monthly Grant Gra	Annually

8.	Do	you have a v	vritten safety	& health	program?					
		Yes		No						
	lf y	es, submit a	copy for evalu	ation.						
0	Do	vou bavo an	ariantation no	ogram fa	ve movy bies	200				
9.	טט	you nave an	orientation pr	ogram id	or new nire	88?				
		Yes		No						
	If y	es, submit a	copy for evalu	ation. D	oes it incl	ude instruc	tion on th	e following?		
					Yes	No			Yes	No
	a.	Head protect	ction				i.	Fire protection		
	b.	Eye protect	ion				j.	First aid facilities		
	C.	Hearing pro	tection				k.	Emergency procedures		
	d.	Respiratory	protection				I.	Toxic substances		
	e.	Safety belts	and lifeline				m.	Trenching and excavation		
	f.	Scaffolding					n.	Signs, barricades, flagging		
	g.	Perimeter g	uarding				0.	Electrical safety		
	h.	Housekeepi	ing				p.	Rigging and crane safety		
							q.	Road Safety (Driving)		
10.	Do	you have a p	rogram for ne	wly hired	or promo	oted foreme	en?			
					_					
		Yes	Ш	No						
	If y	es, submit a d	copy for evalu	ation. D	oes it incl	ude the foll	owing?			
					Yes	No			Yes	No
	a.	Safe work p	ractices				e.	First aid procedures		
	b.	Safety supe	rvision				f.	Accident investigation		
	C.	Toolbox me	etings				g.	Fire protection and prevention	n 🗆	
	d.	Emergency	procedures				h.	New worker orientation		
11.	Do	you hold craf	t "toolbox" saf	ety mee	tings?					
		v								
	اما	Yes w Often?	П	No						
	ПО	Weekly	☐ Bi-\	Veekly		Monthly		Loop Offen As manded		
		VVEEKIY		VEEKIY	! !	Monthly		Less Often, As needed		
12.	Do	you have a w	ritten Hazard	Commu	nication pi	rogram?				
		Yes		No						
	lf ye	es, how is it ir	nplemented o	n each p	roject?					

13.	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 of	raft workers about potential hazards:					
14.	List three (3) client references that could ver	ify the quality and management commitment	of your safety program.				
	Name	Address	Phone No.				
a.			\				
b.							
C.							

Supplier Quality Assurance Questionnaire

	SUPPLIER QU. QUEST					
Supplier or Sub-Tier Name:					!	
Location/Address of Supplier facility	(ies):					
Product Description:						
Does the manufacturer (distributors shown Assurance Program (QAP) Management Yes No Hint: Double-click QA/QC MANUAL TITLE REVISION AND ISSUE DATE ATTACH A TABLE OF CONTENTS (t System that is develope on a box to default to ch	ed, imple ecked, t	ement hen c	ed and maintain ut and paste box	ned? c for th	ne rest of the answers.]
QA/QC program table of contents and o						DWDI JEG
IDENTIFY CODES AND/OR STANI Codes/Standards/Supp		Yes		QC PROGRA		
1. DOE Order 414.1 (identify ve		res	No		Co	mments/Equivalent
2. ASME NQA-1 (identity)		Ħ	Ħ			-
3. ASME Section (Certifica		n	П			
4. ISO (Certificate No)	H	$\bar{\Box}$			
5. What industry standards do you o	currently use to develop s	software	 /firm	ware?		
6. Other Codes and Standards:						
	ASME NQA-1-2008/					
Indicate whether your QA/QC Manua		proced	ures			Í
ASME NQA-1 ASME NQA-1, Requirement 1, Organiz	1 Program Elements			Yes	No	Procedure/Manual
ASME NQA-1, Requirement 2, Quality						
ASME NQA-1, Requirement 2, Auditor						
ASME NQA-1, Requirement 2, Qualific	ation of Inspection and T	Test Pers	sonne	1		
ASME NQA-1, Requirement 2, Qualific	ation of Nondestructive	Testing	Perso	nnel		
ASME NQA-1, Requirement 3, Design	Control					
Do you develop software in accordance requirements?	with NQA-1 software en	gineerin	ıg			
ASME NQA-1, Requirement 4, Procure	ment Document Control					
ASME NQA-1, Requirement 5, Instructi	ons, Procedures, and Dra	awings				

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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?		П				
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/qualit	y conti	rol pro	ogram_			
DOE ORDER 414.1						
Indicate whether your QA/QC Manual and/or implementing procedures address the	he foll	owing	g:			
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 Trai 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.						

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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.					

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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, upto-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 3ASME NQA-1, Part I, Requirement 11ASME 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 Signature Title						
Date						