

ENGINEERING CHANGE NOTICE

Page 1 of 21. ECN 662871Proj.
ECN

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input checked="" type="checkbox"/> [X] Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. A. Artzer, CVDF, X3-78, 372-2801			4. USQ Required? [X] Yes <input type="checkbox"/> No	5. Date 9/14/00	
	6. Project Title/No./Work Order No. SNF/W-441, Spent Nuclear Fuel Cold Vacuum Drying			7. Bldg./Sys./Fac. No. CVDF 142K	8. Approval Designator SNQ	
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) SNF-3931, Rev. 3			10. Related ECN No(s). N/A	11. Related PO No. N/A	
	12a. Modification Work [] Yes (fill out Blk. 12b) [X] No (NA Blks. 12b, 12c, 12d)		12b. Work Package No. N/A	12c. Modification Work Complete N/A Design Authority/Cog. Engineer Signature & Date	12d. Restored to Original Condition (Temp. or Standby ECN only) N/A	Design Authority/Cog. Engineer Signature & Date
	13a. Description of Change 13b. Design Baseline Document? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

SCHe

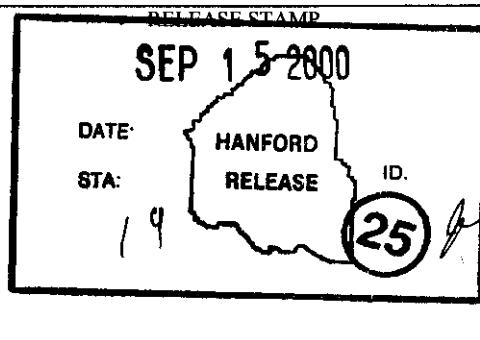
SC

Revised valve "A" dimension from 2.12" to 1.88". Changed valve seat leakage characteristic from "Bubble-tight Standard <10⁻³ ml He/sec" to "15 minutes at 15 psig. (No leakage, No bubbles".

USQ Approval: CV0-00-1752 9-14-00

14a. Justification (mark one) Criteria Change <input type="checkbox"/> Design Improvement <input checked="" type="checkbox"/> [X] Environmental <input type="checkbox"/> Facility Deactivation <input type="checkbox"/> As-Found <input type="checkbox"/> Facilitate Const <input type="checkbox"/> Const. Error/Omission <input type="checkbox"/> Design Error/Omission <input type="checkbox"/>	14b. Justification Details Change in CGI documentation is required to reflect more up to date information from manufacturer and more appropriate test method. The design verification method for SC/SS components is by independent review in accordance with EN-6-027-01. Documentation of this review is accomplished by the independent review approval signature provided on page 2 of this ECN.			
	15. Distribution (include name, MSIN, and no. of copies)			

See distribution sheet.



ENGINEERING CHANGE NOTICE						Page 2 of 2	1. ECN (use no. from pg. 1) 662871
16. Design Verification Required [X] Yes [] No	17. Cost Impact						18. Schedule Impact (days)
	ENGINEERING			CONSTRUCTION			Improvement Delay
Additional	[N/A]	\$	Additional	[N/A]	\$	[N/A]	
Savings	[N/A]	\$	Savings	[N/A]	\$	[N/A]	
19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.							
SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis		<input type="checkbox"/>	Tank Calibration Manual		<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report		<input type="checkbox"/>	Health Physics Procedure		<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing		<input type="checkbox"/>	Spares Multiple Unit Listing		<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure		<input type="checkbox"/>	Test Procedures/Specification		<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure		<input type="checkbox"/>	Component Index		<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure		<input type="checkbox"/>	ASME Coded Item		<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure		<input type="checkbox"/>	Human Factor Consideration		<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction		<input type="checkbox"/>	Computer Software		<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure		<input type="checkbox"/>	Electric Circuit Schedule		<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement		<input type="checkbox"/>	ICRS Procedure		<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing		<input type="checkbox"/>	Process Control Manual/Plan		<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing		<input type="checkbox"/>	Process Flow Chart		<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification		<input type="checkbox"/>	Purchase Requisition		<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule		<input type="checkbox"/>	Tickler File		<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan		<input type="checkbox"/>	N/A		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request		<input type="checkbox"/>			<input type="checkbox"/>
20. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.							
Document Number/Revision		Document Number/Revision		Document Number Revision			
N/A							
21. Approvals							
Design Authority	C. Miska	Signature	Date	Design Agent	Signature	Date	
Cog. Eng.	C. Van Katwijk	<i>an appt telcon for Carl Van Katwijk</i>	<i>9/14/00</i>	PE			
Cog. Mgr.	C. Haller	<i>G. Haller</i>	<i>9/13/00</i>	QA			
QA	R. K. Ramsgate	<i>R. K. Ramsgate</i>	<i>9/14/00</i>	Safety			
Safety	J. R. Brehm	<i>J. R. Brehm for D. E. Fresh</i>	<i>9/14/00</i>	Design			
Environ.				Environ.			
Other				Other			
Independent Review		<i>S. Johnson</i>	<i>9/14/00</i>				
<u>DEPARTMENT OF ENERGY</u>							
Signature or a Control Number that tracks the Approval Signature							
<u>ADDITIONAL</u>							

DISTRIBUTION SHEET

Whitey SCHe Ball Valves - Provide Test Port Isolation

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Fluor Hanford
P.O. Box 1000
Richland, Washington

Whitey SCHe Ball Valves - Provide Test Port Isolation

Project No: W-441

Document Type: RPT

Division: SNF

C.R. Miska
Fluor Hanford Inc.

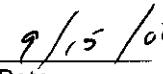
Date Published
September 2000

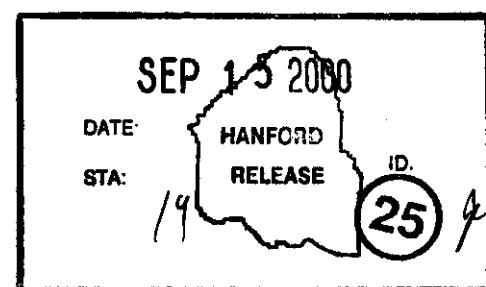
Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Fluor Hanford
P.O. Box 1000
Richland, Washington


Release Approval


Date



Release Stamp

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Total Pages: 13

Commercial Grade Item Upgrade Dedication Form

SNF-3931, Rev. 4

ECN No. NACGI No. CGI-SNF-D-13-P5-035

Page 1 of 9

Title: **WHITEY SCHe BALL VALVES – PROVIDE TEST PORT ISOLATION**

Section 1 Part Information

Item No.: NA	Manufacturer:	Supplier:
Mfg. Part/Model No.:		Supplier's P/N:
Part Description:		
End Use Description:		

Section 2a Component Information

Equipment No.: SCHe-V-*102,*103, *104,*105 He-V-*094, *096, *098, *100	Specification No.: SNF-5304 (W-441-P5)	Manufacturer: Whitey Co./ Swagelok	Past P.O. No.: NA
Procurement and/or Model No.: SS-43VC04-5452-TR	Equipment Supplier (if different from manufacturer): TBD		Equip. Supplier's Part No.: NA

Component Description: **These valves are 1/4" ball valves fabricated of 316 stainless steel. Packing is TFE (standard). They are used as normally closed isolation valves for test ports in the SCHe System between the gage root valve and the pressure indicator.**

Section 2b Commercial Availability of the Item

1. Is the item available from a catalogue of a qualified NQA1 supplier? (coordinate with project CGI interface Engineer or BTR)

YES (go to #2 below)

NO (go to procedure step 6.3.2, proceed to dedicate item.)

If not available from a qualified NQA1 supplier, is it available from an ISO 9000 supplier? (coordinate with project CGI interface Engineer or BTR)

YES (go to #2 below, then go to procedure step 6.3.2, proceed to dedicate item)

NO (go to procedure step 6.3.2, proceed to dedicate item.)

2. List of Candidate qualified suppliers or ISO 9000 suppliers

company name & type contact name phone

NA

3. Recommended Procurement Strategy (coordinate with project CGI interface Engineer or BTR): **NA**

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Title: WHITEY SCHe BALL VALVES – PROVIDE TEST PORT ISOLATION**Section 2c CGI Determination**

1. Question #1: Is the Item subject to design or specification requirements that are unique to nuclear facilities or activities?
[] YES (the Item is not commercial grade)
[] NO (continue)
2. Question #2: Is the Item used in applications other than nuclear facilities or activities?
[] NO (the item is not commercial grade)
[] YES (continue)
3. Question #3: Is the Item ordered from manufacturer/supplier on the basis of specifications set forth in the Published product information (e.g., manufacturer's catalog)?
[] NO (the Item is not commercial grade)
[] YES (continue)

[] All three criteria have been satisfied. The Item meets the definition of commercial grade.**Section 2d Reason for Dedication****The above described Item is being Dedicated for use in the application cited for the following reason(s):**

[] Item is being purchased from a non ESL manufacturer supplier as commercial grade to be used in a Safety Class application.

[] Item is being purchased from a non ESL manufacturer supplier as commercial grade to be used in a Safety Significant application.

[] Item was purchased from a non ESL manufacturer supplier as commercial grade to be used in a Safety Class application.

[] Item was purchased from a non ESL manufacturer supplier as commercial grade to be used in a Safety Significant application.

[] Other ('like-for-like', similar, substitution, replacement evaluation)

Section 3 Failure Effects Evaluation**A. Part/Component Safety Function:****1. Prevents air inleakage/loss of SCHe during normal operation. Prevent H₂ Explosion****2. Pressure boundary integrity/confinement.****3. Maintain critical function before and after seismic event.****B. Part/Component Functional Mode:****Safety Function #1:**

[] Active – Mechanical or Electrical change of state is required to occur for the component to perform its safety function

[] Passive – Change of state is not required for the component to perform its safety function

Safety Function #2:

[] Active – Mechanical or Electrical change of state is required to occur for the component to perform its safety function.

[] Passive – Change of state is not required for the component to perform its safety function

Safety Function #3:

[] Active – Mechanical or Electrical change of state is required to occur for the component to perform its safety function.

[] Passive – Change of state is not required for the component to perform its safety function

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Title: <u>WHITEY SCHe BALL VALVES – PROVIDE TEST PORT ISOLATION</u>		

C. Host Component Safety Function (if applicable): NA		
1.		
D. Failure Mode(s) and the effects on component or system safety function (see Worksheet 1):		
1. Valve Body Break/Pressure boundary failure. Could result in a loss of SCHe supply from the affected bottle and manifold to the MCO or air intrusion during vacuum operation.		
Section 4 Environmental & Natural Phenomena Hazard Design		
Environmental Qualification Required:		If yes: Environmental Qualification Requirements
Yes <input type="checkbox"/>		Limiting Environmental Conditions:
No <input checked="" type="checkbox"/>		Required Safety Functions:
Environmental Condition B		Qualification Period:
Natural Phenomena Hazard (NPH) Design Required:		If yes: NPH Design Requirements
Yes <input checked="" type="checkbox"/>		Performance Category: PC-3
No <input type="checkbox"/>		NPH Design Req'ts.: Seismic Condition A
HNF-PRO-97		Required Safety Functions: Maintain pressure boundary/confinement, prevent H₂ explosion.
SNF-5304		
Section 5 Component Functional Classification		
<input checked="" type="checkbox"/> Safety Class (SC)		<input type="checkbox"/> General Service <input type="checkbox"/> Safety Significant (SS)
If part/component classification is different from host component/system, document basis. NA		
Section 6 (Reserved)		
Section 7 (Reserved)		
Section 8 References (for Functional Classification)		
National Codes/Standards: ASME B31.3	Safety Analysis Report (SAR): HNF-SD-SNF-SAR-002	Drawings: H-1-82165 HNF-SD-SNF-SEL-002
Vendor Manual/Manufacturer/Supplier Information: Whitey Co. WHITEY "40" Series Ball Valves, W-1288, July, 1992		
Other: NA		

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Title: WHITEY SCHÉ BALL VALVES – PROVIDE TEST PORT ISOLATION

Section 9: Critical Characteristics

Critical Characteristics Verification Document: Vendor's Manual; HNF-SD-SNF-SEL-002	Acceptance Criteria/Tolerances	Acceptance Method	ID	Function
1. Item Identification Critical Characteristics (necessary for reasonable assurance that the item delivered is the item specified)				
Nameplate - Manufacturer	Whitey Co. / Swagelok (Note 5)	1, IN	X	
Valve-Component Number-Procurement and/or Model Number	SS-43VC04-5452-TR, (Per SNF-5304, Section H, Design Data Sheet)	1, IN	X	
"A" Dimension	Nominal 1.88 inches	1, IN	X	
2. Physical Critical Characteristics (for reasonable assurance that the item delivered is the item specified)				
Valve Body Material	Stainless Steel (Note 4)	1, IN 1, T	X	
3. Performance Critical Characteristics (for reasonable assurance that the item will perform its intended safety function(s))				
Pressure Boundary Integrity	Pressure Test at 165 psig (No Bubbles Note 3)	1, T		X
Valve Seat Leakage	15 minutes at 15 psig. (No leakage, No bubbles)	1, T		X
Environmental	Note 1			
Seismic Condition A	Note 2	1, T		X
4. Notes and Legend:		Acceptance Method:		
<ol style="list-style-type: none"> The ball valve Teflon packing is not subject to degradation from the 40°F and 60% RH or 115°F and 22% RH conditions and is suitable for Environmental Condition B application. Maintain critical function before and after seismic event. SNF-5304, Appendix I, page I-2, provides a seismic testing plan for these components at a seismic spectra SNF-4895. Equipment that has been shaker-table tested should not be installed in a plant (Ref. IEEE Standard 344-1984, Section 7). Consequently, the seismic test constitutes a destructive test. Pressure test at 110% of 150 psig system design pressure. Material verification acceptance method may be by either inspection or test. Either Whitey or Swagelok is acceptable. 			<ol style="list-style-type: none"> Special Test and Inspection 1, IN for Inspection 1, T for Test Commercial Grade Survey Source Verification Vendor/Item History 	
Rev. 4 Revised valve "A" dimension from 2.12" to 1.88". Changed valve seat leakage characteristic from "Bubble-tight Standard <10⁻³ ml He/sec" to "15 minutes at 15 psig. (No leakage, No bubbles".				

Section 10 Initial Review and Approval

Approvals:

Designated Engineer:

Design Authority:

QA Engineer:

*Ana parlecon for**Carl Van Katwyk 9/14/00**Tommy 9/14/00**Carl Van Katwyk 9/14/00*

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WORKSHEET 1
DETERMINATION OF FAILURE MECHANISMS/MODES

SECTION 1

Typical Failure Mechanisms	Definition	Applicable to Component under Evaluation
Fracture	Separation of a solid accompanied by little or no macroscopic plastic deformation.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Corrosion	The gradual deterioration of a material due to chemical or electrochemical reactions, such as oxidation, between the material and its environment.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Erosion	Destruction of materials by the abrasive action of moving fluids, usually accelerated by the presence of solid particles carried with the fluid.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Open Circuit	An electrical circuit that is unintentionally broken so that there is no complete path for current flow.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Short Circuit	An abnormal connection by which an electrical current is connected to ground, or to some conducting body, resulting in excessive current flow.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Blockage	Clogging of a filtering medium resulting in the inability to perform its purification function or blockage of flow.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Seizure	Binding of a normally moving item through excessive pressure, temperature, friction, jamming.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Unacceptable Vibration	Mechanical oscillations produced are beyond the defined permissible limits due to unbalancing, poor support, or rotation at critical speeds.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Loss of Properties	A loss of mechanical and physical properties of a material due to exposure to high temperatures, radiation exposure.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Excess Strain	Under the action of excessive external forces the material of the part has been deformed or distorted.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Mechanical Creep	From prolonged exposure to high temperature and stress, the object will show a slow change in its physical (shape and dimension) and mechanical characteristics.	Yes [] No [X]; If Yes, indicate failure Mode. _____
Ductile Fracture	Fracture characterized by tearing of metal accompanied by appreciable gross plastic deformation.	Yes [] No [X]; If Yes, indicate failure Mode. _____

Section 2 Additional Failure Modes Applicable to the Component Under Evaluation

1. Valve Body Break
2. _____

CHECKLIST 1
ACCEPTANCE METHOD 1
SPECIAL TEST/INSPECTION VERIFICATION

SECTION 1			
Item Description: Whitey SCHe Ball Valve		Equip #: SCHe-V-*102,*103, *104,*105 He-V-*094, *096, *098, *100	
System #: 13		Procurement and/or Model #: SS-43VC04-5452-TR	
Manufacturer (Address/Phone): Whitey Co. 318 Bishop Road Highland Heights, OH 44143 P.O. #		Supplier (Address/Phone):	
SECTION 2 CRITICAL CHARACTERISTICS TO BE VERIFIED BY METHOD 1.			
Insp	Test	Post-Test	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Nameplate - Manufacturer
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Valve-Component Number-Procurement and/or Model Number
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. "A" Dimension
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Valve Body Material (Verification may be by either inspection or test)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. Pressure Boundary Integrity
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Valve Seat Leakage
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. Seismic Condition A
SECTION 3 BY INSPECTION			
* See Attachment H of Desk Instruction for Sampling Size			
Characteristic: Nameplate - Manufacturer			
Sample Size*: All Items			
Acceptance Criteria: Whitey Co. / Swagelok (Either Whitey or Swagelok is acceptable)			
Receipt Inspection Plan / Report #: _____			
References (see Section 8): _____			
Characteristic: Valve-Component Number-Procurement and/or Model Number			
Sample Size*: All Items			
Acceptance Criteria: SS-43VC04-5452-TR, (Per SNF-5304, Section H, Design Data Sheet)			
Receipt Inspection Plan / Report #: _____			
References (see Section 8): Whitey Co.- Whitey "40" Series Ball Valves, W-1288, July, 1992			

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Title: WHITEY SCHe BALL VALVES – PROVIDE TEST PORT ISOLATIONCharacteristic: **"A" Dimension**Sample Size*: **All Items**Acceptance Criteria: **Nominal 1.88 inches**

Receipt Inspection Plan / Report #: _____

References (see Section 8): _____

Characteristic: **Valve Body Material**Sample Size*: **Normal Sampling Size**Acceptance Criteria: **Stainless Steel**

Receipt Inspection Plan / Report #: _____

References (see Section 8): _____

SECTION 4 BY SPECIAL TEST

* See Attachment H of Desk Instruction for Sampling Size

Test To Be Performed by:

Number of Items to be Tested:

 Purchaser

Test/Inspection Location:

 Supplier/Manufacturer** OtherCharacteristic for Test: **Pressure Boundary Integrity**Acceptance Criteria: **Pressure Test at 165 psig (No Bubbles)**Sample Size*: **Normal Sampling Size**

Actual Test Value:

Test Plan and Report #: _____

References (see Section 8): _____

Characteristic for Test: **Valve Seat Leakage**Acceptance Criteria: **15 minutes at 15 psig. (No leakage, No bubbles).**Sample Size*: **Normal Sampling Size**

Actual Test Value:

Test Plan and Report #: _____

References (see Section 8): _____

Characteristic for Test: **Seismic Condition A**Acceptance Criteria: **Maintain Critical Function Before and After Seismic Event**Sample Size*: **SNF-5304, Appendix I, page I-2, provides the seismic testing plan for these components. The seismic testing is conducted for one complete panel with the components assembled on the panel and tested as a complete assembly. The test seismically qualifies the entire assembly, including mountings, piping, and components. The number of components tested is dictated by the panel assembly design.**

Actual Test Value:

Test Plan and Report #: _____

References (see Section 8): _____

**If Supplier/Manufacturer or Other, Refer to CGI Checklist-2 for Support Information

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Section 5 Test / Inspection Summary (Acceptance Method 1)

1. SUMMARY OF VERIFIED CRITICAL CHARACTERISTICS. THEIR VERIFICATION METHODS, AND RESULTS

ITEM DESCRIPTION:

Critical Characteristics

Critical Characteristics	Acceptance Criteria/Tolerances	ID	Function	Method T/IN	Procedure or RR#	Check-list ID	Number Tested	Number Failed	Verifying Organization	Printed Name Signature	Date
Nameplate - Manufacturer	Whitey Co./Swagelok (Either Whitey or Swagelok is acceptable)	X									
Valve-Component Number-Procurement and/or Model Number	SS-43VC04-5452-TR, (Per SNF-5304, Section H, Design Data Sheet)	X									
"A" Dimension	Nominal 1.88 inches	X									
Valve Body Material	Stainless Steel	X									
Pressure Boundary Integrity	Pressure Test at 165 psig (No Bubbles)	X									
Valve Seat Leakage	15 minutes at 15 psig. (No leakage, No bubbles)	X									
Seismic Condition A	Maintain Critical Function Before and After Seismic Event.	X									

2. DISPOSITION OF UNVERIFIED OR FAILED CRITICAL CHARACTERISTICS

Critical Characteristic

Disposition

3. SIGNATURE INDICATES ALL CRITICAL CHARACTERISTICS VERIFIED SATISFACTORY OR ACCEPTABLY DISPOSITIONED AND COMMERCIAL GRADE DEDICATION IS SATISFACTORY AND COMPLETE.

Testing Agency Approval: _____	Date _____	Design Authority: _____	BUYER VERIFICATION
Testing Agency QA Engineer: _____	Date _____	QA Engineer: _____	Date _____

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Title: **WHITEY SCHe BALL VALVES – PROVIDE TEST PORT ISOLATION**

Section 6 Contacts/Phone Numbers	
Name	Phone
Design Authority	()
QA	()
QC	()
Cog - Engineer	()
CGI Engineer	()
Procurement Engineer	()
Other	()
Section 7 Supporting Documentation for this Checklist	
Initial Procurement Documents	For Critical Characteristics
<input type="checkbox"/> Drawings:	
<input type="checkbox"/> Manuals (specify type & number):	
<input type="checkbox"/> Design Calculations	
<input type="checkbox"/> Installation Instructions	
<input type="checkbox"/> Operation Instructions	
<input type="checkbox"/> Calibration Instructions	
<input type="checkbox"/> Manufacturer's Recommended Spare Parts List	
<input type="checkbox"/> Other:	
Procurement Documents	
<input type="checkbox"/> Certificate of Conformance/Compliance	
<input type="checkbox"/> Seismic Qualification Certificate	
<input type="checkbox"/> Environmental Qualification Certificate	
<input type="checkbox"/> Test Report (s):	
<input type="checkbox"/> Inspection Report (s):	
<input type="checkbox"/> CMTRs for ASME Pressure Retaining Materials	
<input type="checkbox"/> Valve Seat Leakage Report	
<input type="checkbox"/> Weld Records	
<input type="checkbox"/> Material Traceability Record	
<input type="checkbox"/> Other:	