APR 3 2000
Sta. 4 (58)

ENGINEERING DATA TRANSMITTAL

1. EDT 628542

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) SNF CVD Project	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: Project W-441	6. Design Authority/ Design Agent/Cog. Engr.: C.R. Miska	7. Purchase Order No.: N/A
8. Originator Remarks: Initial Release.		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: CVDF/142K
11. Receiver Remarks: 11A. Design Baseline Document? [] Yes [X] No N/A The design verification method for SS/SC components is by independent review in accordance with EN-6-027-01. Documentation of this review is accomplished by the independent reviewer approval signature on page 1 of this EDT. USQ-Like: CVD-00-0147 mm 3/30/00		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: N/A

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Approval Designator	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	SNF-5953	ALL	0	PROCESS HOOD STAND SUPPORT STEEL	S^N Q	1	1	1

16. KEY

Approval Designator (F)	Reason for Transmittal (G)		Disposition (H) & (I)	
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval 2. Release 3. Information	4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment	4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION
(See Approval Designator for required signatures)

(G) Reason	(H) Disp.	(J) Name (K) Signature (L) Date (M) MSIN	(G) Reason	(H) Disp.	(J) Name (K) Signature (L) Date (M) MSIN
2	1	Design Authority C. Miska [signature] 2/28/00		2	Independent Reviewer [signature] 3/30/00 R3-86
2	1	Design Engineer C. Van Katwijk [signature] 3/2/00			
2	1	Rep Mgr T. Choho [signature]	2	1	*C. Haller [signature] 3/29/00
2	1	Safety J. Brehm for [signature] 3/30/00			*Auth. Approved, parallel prep of
2	1	QA R. Ramsgate [signature] 3/2/00			USQ Screening w/impl. of Ech proc 501-C

18. T. Nuxall [signature] 3/15/00 Signature of EDT Originator Date	19. T. Choho [signature] 3/29/00 Authorized Representative for Receiving Organization Date	20. C. Miska [signature] 2/28/00 Design Authority/ Cognizant Manager Date	21. DOE APPROVAL (if required) Ctrl. No. [] Approved [] Approved w/comments [] Disapproved w/comments

BD-7400-172-2 (05/96) GEF097

BD-7400-172-1

SNF-5953
Revision 0

PROCESS HOOD STAND SUPPORT STEEL

Purpose: This package is written to comply with EN-6-035-00 for upgrade dedication of commercial grade items (CGI). The SNF-5953 CGI package provides the Technical evaluation to identify the critical characteristics and the acceptance criteria associated with the safety function of the Hood Stand Support Steel. Completion of the technical and quality requirements identified in the dedication package will provide enough data to be reasonably assured that CGI Hood Stand Support Steel will perform its SC function.

DISTRIBUTION SHEET

To	From	Page 1 of 1
Distribution	T. Nuxall, SNF-CVD	Date 2/25/00
Project Title/Work Order		EDT No. 628542
W-441, SNF-5953, Rev. 0		ECN No. N/A

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
D. Whitehurst	R3-86	x			
G. Signh	R3-86	x			
A. Artzer (CVD Library)	R3-86	x			
R. Ramsgate	R3-86	x			
J. Brehm	R3-26	x			
P. Beaudet	S8-07	x			
P. Morrell (AVS)	G1-50	x			
M. Evarts (AI)	N1-29	x			
L. Price	R3-26	x			
SNF Startup	B2-64	x			
SNF Project Files	R3-11	x			
SNF Satelite Library	X3-25	x			
C. Van Katwijk	R3-47	x			
D. Whitworth	R3-11	x			
T. Nuxall	R3-86	x			
C. Mislea	R3-86	x			

SNF-5953
Revision 0

Process Hood Stand Support Steel

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

SNF-5953
Revision 0
EDT 628542

Process Hood Stand Support Steel

C Van Katwijk
FH

Date Published
March 2000

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

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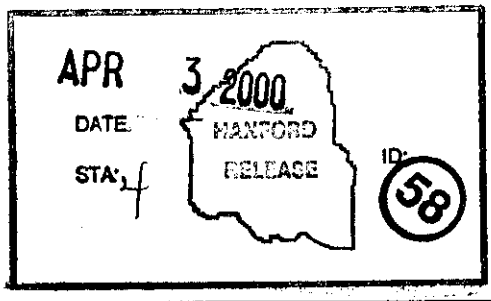
U.S. Department of Energy under Contract DE-AC06-96RL13200

Fluor Hanford
P.O. Box 1000
Richland, Washington



Release Approval

3/30/00
Date

Release Stamp

Printed in the United States of America

Total Pages: 13

Commercial Grade Item Upgrade Dedication Form

ECN No. **N/A** CGI No. **CGI-SNF-D-3-C1-057**

Title: **Process Hood Stand Support Steel**

Section 1 Part Information

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

Section 2a Component Information

Equipment No.: **See attached Section 9**	Specification No.: **W-441-C1**	Manufacturer: **Various, See Section 9**	Past P.O. No.: **N/A**
Procurement and/or Model No.: **See attached Section 9**	Equipment Supplier (if different from manufacturer): **Monarch Machine and Tool**		Equip. Supplier's Part No.: **N/A**
Component Description: **Structural steel shapes for process hood stand. Wide flange beams and structural square tubing.**			

Section 2b Commercial Availability of the Item

1. Is the Item available from a catalogue from a qualified NQA1 supplier or ISO 9000 supplier (coordinate with project CGI interface Engineer or BTR)? [ ] YES (go to #2 below) [X] 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 w/ project CGI Interface Engineer or BTR):

   [ ] YES (go to #2 below, procedure step 6.3.2, dedicate Item) [X] NO (procedure step 6.3.2, dedicate Item)

2. List of Candidate qualified suppliers or ISO 9000 suppliers: **N/A**

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

Section 2c CGI Determination

CGI Determination Questions:

#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) [X] NO (continue)

#2: Is the Item used in applications other than nuclear facilities or activities?

[ ] NO (the item is not commercial grade) [X] YES (continue)

#3: Is the Item ordered from manufacturer/supplier on the basis of specifications set forth in the manufacturer's catalog?

[ ] NO (the item is not commercial grade) [X] YES (continue)

[X] **All three criteria have been satisfied. The Item meets the definition of commercial grade.**

Section 2d Reason for Dedication

The above Commercial Grade (CG) described Item is being Dedicated for use in the application cited for the following reason(s):

X	Item is being purchased from a non-ESL manufacturer supplier as CG to be used in a Safety Class application.
	Item is being purchased from a non-ESL manufacturer supplier as CG to be used in a Safety Significant application.
	Item was purchased from a non-ESL manufacturer supplier as CG to be used in a Safety Class application.
	Item was purchased from a non-ESL manufacturer supplier as CG 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. **Provide supporting structure for the vacuum drying process hood.**

2. **Maintain critical function before, during, and after Seismic Event.**

B. Part/Component Functional Mode:

Safety Function #1: [ ] Active [X] Passive

Safety Function #2: [ ] Active [X] Passive

Safety Function #3: [ ] Active [ ] Passive

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

C. Host Component Safety Function (if applicable): **N/A**

1.

D. Failure Mode(s) and the effects on component or system safety function (see Worksheet 1):

1. **Fracture, material fatigue, bolting/weld failure, could result in inadequate support for the process hood.**

Section 4 Environmental & Natural Phenomena Hazard Design

Environmental Qualification Required:

Yes [ ]

No [X] **Environmental Condition B**

If yes: Environmental Qualification Requirements

Limiting Environmental Conditions:

Required Safety Functions:

Qualification Period:

Natural Phenomena Hazard (NPH) Design Required:

Yes [X] No [ ]

HNF-PRO-97, Rev. 0, HNF-SD-SNF-SEL-002, Rev. 7

If yes: NPH Design Requirements

Performance Category: **PC-3**

NPH Design Req'ts.: **Seismic Condition C**

Required Safety Functions: **Maintain critical function (hood support) before, during, and after Seismic Event.**

(Flow Path for Tempered Water Refill)

Section 5 Component Functional Classification

X	Safety Class (SC)		General Service		Safety Significant (SS)

If part/component classification is different from host component/system, document basis. **N/A**

Sections 6 and 7 (Reserved)

Section 8 References (for Functional Classification)

National Codes/Standards: **ASTM A 500-93, Purchase order to request manufacturer's certification that the material was manufactured and tested in accordance with this specification. A report of the chemical and tensile test shall be furnished.**

Safety Analysis Report (SAR): **HNF- 3553, Rev. 0, Annex B**

Drawings: **H-1-83980, Sheets 1-3, HNF-SD-SNF-SEL-002, Rev. 7**

Vendor Manual/Manufacturer/Supplier Information: **Catalog Cut Sheets: Ryerson Stocks and Services, Square Structural Tubing, Carbon Steel; I-Beams; I-Beams – Wide Flange Beams**

Section 9 Critical Characteristics				
Critical Characteristics	Acceptance Criteria/Tolerances	Acceptance Method	ID	Function
Wide Flange Beams				
1. Item Identification Critical Characteristics (necessary for reasonable assurance that the Item delivered is the Item specified)				
Manufacturer	**Monarch Tool and Machine**	**1, IN**	**X**	
Component No. – Procurement and /or Part No.	**Confirm presence of manufacturer's documentation of material compliance with ASTM A 500-93. Confirm presence of report of the chemical and tensile tests.** **W10 X 100** **W8 X 28**	**1, IN**	**X**	
2. Physical Critical Characteristics (for reasonable assurance that the Item delivered is the Item specified)				
Beams, Depth/Flange Width, inches **W10 X 100** **W8 X 28**	 **Nominal 11.10 /10.340** **Nominal 8.06 / 6.535**	**1, IN, 1, T**	**X**	
Beams, Web Thickness / Flange Thickness **W10 X 100** **W8 X 28**	 **Nominal 0.680 / 1.120** **Nominal 0.285 / 0.465**	**1, IN**	**X**	
Wide Flange Beam, Material	**A-36 Steel – Refer to Manufacturer's documentation of material and report of chemical tests. (Note 3)**	**1, IN**	**X**	
Wide Flange Beam, Material	**67-83 Rockwell Hardness B**	**1, T**		**X**
Structural Square Tubing				
1. Item Identification Critical Characteristics (necessary for reasonable assurance that the Item delivered is the Item specified)				
Manufacturer	**Monarch Tool and Machine**	**1, IN**	**X**	
Component No. – Procurement and /or Part No.	**Confirm presence of manufacturer's documentation of material compliance with ASTM A 500-93. Confirm presence of report of the chemical and tensile tests.** **8 X 8 X 5/8** **6 X 6 X ½** **3 X 3 X 5/16**	**1, IN**	**X**	
2. Physical Critical Characteristics (for reasonable assurance that the Item delivered is the Item specified)				
Structural Square Tubing, Outside Dimension / Wall Thickness, inches **8 X 8 X 5/8** **6 X 6 X ½** **3 X 3 X 5/16**	 **Nominal 8 / 0.625** **Nominal 6 / 0.500** **Nominal 3 / 0.312**	**1, IN**	**X**	
Structural Square Tubing, Material	**A-36 Steel – Refer to Manufacturer's documentation of material and report of chemical tests. (Note 3)**	**1, IN**	**X**	
Structural Square Tubing, Material	**67-83 Rockwell Hardness B**	**1, T**		**X**

Critical Characteristics	Acceptance Criteria/Tolerances	Acceptance Method	ID	Function
Wide Flange Beams and Structural Square Tubing				
3. Performance Critical Characteristics (for reasonable assurance that the Item will perform its intended safety function(s))				
Environmental	**Note 1**			
Seismic Condition A	**Note 2**	**1, A**		**X**

4. Notes and Legend:

1. **The components are not subject to degradation from the 40°F or 60% RH or 115°F and 22% RH conditions and are suitable for Environmental Condition B application.**
2. **Maintain critical function before, during and after Seismic event. 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. The industry sampling practice for destructive test is to test only one item. Seismic Design may be verified by analysis of the installed support system.**
3. **Material verification acceptance method may be by inspection or test.**

Acceptance Method:

1. Special Test and Inspection
   - 1, IN for Inspection
   - 1, T for Test
   - 1, A for Analysis
2. Commercial Grade Survey
3. Source Verification
4. Vendor/Item History

Section 10 Initial Review and Approval

Approvals:

Designated Engineer: [signature] 3/2/00

Design Authority: [signature] 2/25/00

QA Engineer: [signature] 3/2/00

WORKSHEET 1

DETERMINATION OF FAILURE MECHANISMS

Section 1

Typical Failure Mechanisms	Definition	X = Applicable to Component under Evaluation X?	Indicate Failure Mode
Fracture	Separation of a solid accompanied by little or no macroscopic plastic deformation.	X	**Fracture or material fatigue-possible loss of structural integrity.**
Corrosion	The gradual deterioration of a material due to chemical or electrochemical reactions, such as oxidation, between the material and its environment.	X	**Deterioration of the structural members resulting in possible decrease of structural integrity.**
Erosion	Destruction of materials by the abrasive action of moving fluids, usually accelerated by the presence of solid particles carried with the fluid.		
Open Circuit	An electrical circuit that is unintentionally broken so that there is no complete path for current flow.		
Short Circuit	An abnormal connection by which an electrical current is connected to ground, or to some conducting body, resulting in excessive current flow.		
Blockage	Clogging of a filtering medium resulting in the inability to perform its purification function or blockage of flow.		
Seizure	Binding of a normally moving item through excessive pressure, temperature, friction, jamming.		
Unacceptable Vibration	Mechanical oscillations produced are beyond the defined permissible limits due to unbalancing, poor support, or rotation at critical speeds.		
Loss of Properties	A loss of mechanical and physical properties of a material due to exposure to high temperatures, radiation exposure.		
Excess Strain	Under the action of excessive external forces the material of the part has been deformed or distorted.	X	**Gross distortion would be possible under Seismic forces if material is inadequate.**
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.		
Ductile Fracture	Fracture characterized by tearing of metal accompanied by appreciable gross plastic deformation.		

Section 2 Additional Failure Modes Applicable to the Component Under Evaluation

1.

Checklist 1 - Acceptance Method 1 - Special Test/Inspection Verification

SECTION 1	
Item Description: **Structural steel shapes for process hood stand. Wide flange beams and structural square tubing.** System #: **30-3**	Equip #: **N/A** Procurement and/or Part #: **See Characteristics in Section 9**
Manufacturer (Address/Phone): **Various – See Section 9.**	Supplier (Address/Phone): **TBD**

SECTION 2 CRITICAL CHARACTERISTICS TO BE VERIFIED BY METHOD 1.

Insp	Test	Post-Test	
X			1. **Manufacturer**
X			2. **Component Number-Procurement and/or Part Number**
X			3. **Dimensions (Depth, Width, Length, Thickness)**
X			4. **Body Material (Verification by inspection of CMTRs)**
	X		5. **Material - Rockwell Hardness B**
			6. **Seismic Condition C (A = Analysis)**

SECTION 3 BY INSPECTION * See Attachment H, Table H-1 of Desk Instruction for Sampling Size; References (See Section 7)

Wide Flange Beams

Characteristic: **Manufacturer** Sample Size*: **100%**
Acceptance Criteria: **Monarch Machine and Tool**
Receipt Inspection Plan / Report #:

Characteristic: ***Component Number-Procurement and/or Part Number*** Sample Size*: **100%**
Acceptance Criteria: **Confirm presence of manufacturer's documentation of material compliance with ASTM A 500-93. Confirm presence of report of the chemical and tensile tests. W10 X 100 and W8 X 28**
Receipt Inspection Plan / Report #:

Characteristic: **Beams, Depth/Flange Width, inches**
Sample Size*: **A representative sample of each size of beam**
Acceptance Criteria: **W10 X 100 Depth: Nominal 11.10; Flange Width: Nominal 10.340**
W8 X 28 Depth: Nominal 8.06; Flange Width: Nominal 6.535
Receipt Inspection Plan / Report #:

Characteristic: **Beams, Web Thickness / Flange Thickness**
Sample Size*: **A representative sample of each size of beam**
Acceptance Criteria: **W10 X 100 Web Thickness: Nominal 0.680; Flange Thickness: 1.120**
W8 X 28 Web Thickness: Nominal 0.285; Flange Thickness: 0.465
Receipt Inspection Plan / Report #:

Characteristic: **Material** Sample Size*: **100%**
Acceptance Criteria: **A-36 Steel – Refer to Manufacturer's documentation of material and report of chemical tests.**
Receipt Inspection Plan / Report #:

Structural Square Tubing

Characteristic: **Manufacturer** Sample Size*: **100%**
Acceptance Criteria: **Monarch Machine and Tool**
Receipt Inspection Plan / Report #:

Characteristic: **Component Number-Procurement and/or Part Number** Sample Size*: **100%**
Acceptance Criteria: **Confirm presence of manufacturer's documentation of material compliance with ASTM A 500-93. Confirm presence of report of the chemical and tensile tests. 8 X 8 X 5/8; 6 X 6 X ½; 3 X 3 X 5/16**
Receipt Inspection Plan / Report #:

Characteristic: **Outside Dimension / Wall Thickness, inches**
Sample Size*: **A representative sample of each size of tubing**
Acceptance Criteria: **8 X 8 X 5/8 Outside Dim: Nominal 8; Wall Thickness: Nominal 0.625**
6 X 6 X ½ Outside Dim: Nominal 6; Wall Thickness: Nominal 0.5000
3 X 3 X 5/16 Outside Dim: Nominal 3; Wall Thickness: Nominal 0.3125
Receipt Inspection Plan / Report #:

Characteristic: **Material** Sample Size*: **100%**
Acceptance Criteria: **A-36 Steel – Refer to Manufacturer's documentation of material and report of chemical tests.**
Receipt Inspection Plan / Report #:

Section 4 By Special Test * See Attachment H, Table H-1 of Desk Instruction for Sampling Size; References (See Section 7)

Wide Flange Beams and Structural Square Tubing

Characteristic for Test: **Seismic Condition C – All items**
Acceptance Criteria: **Maintain critical function before, during and after Seismic event.**
Sample Size*: **Sample size is N/A because seismic verification of the installed support system with structural members and fasteners, etc., will be done by analysis. Physical testing is not anticipated.**
Actual Test Value: Test Plan and Report #:

Characteristic for Test: **Beam Material**
Acceptance Criteria: **67-83 Rockwell Hardness B**
Sample Size*: **a representative sample of each size of beam.**
Actual Test Value: Test Plan and Report #:

Characteristic for Test: **Structural Square Tubing Material**
Acceptance Criteria: **67-83 Rockwell Hardness B**
Sample Size*: **a representative sample of each size of tubing.**
Actual Test Value: Test Plan and Report #:

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

ECN No. N/A CGI No. CGI-SNF-D-3-C1-057

Title: Process Hood Stand Support Steel

Section 5 Test / Inspection Summary (Acceptance Method 1)

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

ITEM DESCRIPTION: Wide Flange Beams

Critical Characteristics				Verification Results							
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
Manufacturer	Monarch Tool and Machine	X		1, IN							
Component Number-Procurement and/or Part Number	Confirm presence of manufacturer's documentation of material compliance with ASTM A 500-93. Confirm presence of report of the chemical and tensile tests. W10 X 100 and W8 X 28	X		1, IN							
Depth/Flange Width, inches	W10 X 100 Depth: Nominal 11.10; Flange Width: Nominal 10.340 W8 X 28 Depth: Nominal 8.06; Flange Width: Nominal 6.535	X		1, IN							
Web Thickness / Flange Thickness	W10 X 100: Web Thickness: Nom. 0.680; Flange Thickness: 1.120 W8 X 28: Web Thickness: Nom. 0.285; Flange Thickness: 0.465	X		1, IN							
Material	A-36 Steel – Refer to Manufacturer's documentation of material and report of chemical tests.	X		1, IN							
Material	67-83 Rockwell Hardness B		X	1, T							
Seismic Condition C	Maintain Critical Function Before and After Seismic Event.		X	1, A							

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_____

Testing Agency QA Engineer:_____ Date_____

Design Authority:_____ Date_____

QA Engineer:_____ Date_____

Section 5 Test / Inspection Summary (Acceptance Method 1)

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

ITEM DESCRIPTION: Structural Square Tubing

Critical Characteristics				Verification Results							
Critical Characteristics	Acceptance Criteria/Tolerances	ID	Function	Method T/N	Procedure or RR#	Check-list ID	Number Tested	Number Failed	Verifying Organization	Printed Name Signature	Date
Manufacturer	**Monarch Tool and Machine**	**X**		**1, IN**							
Component Number-Procurement and/or Part Number	**Confirm presence of manufacturer's documentation of material compliance with ASTM A 500-93. Confirm presence of report of the chemical and tensile tests. 8 X 8 X 5/8; 6 X 6 X ½; 3 X 3 X 5/16**	**X**		**1, IN**							
Outside Dimension / Wall Thickness, inches	**8 X 8 X 5/8 Outside Dim: Nom. 8; Wall Thickness: Nom. 0.625** **6 X 6 X ½ Outside Dim: Nom. 6; Wall Thickness: Nominal *0.5000*** **3 X 3 X 5/16 Outside Dim: Nom. 3; Wall Thickness: Nom. 0.3125**	**X**		**1, IN**							
Material	***A-36 Steel – Refer to Manufacturer's documentation of material and report of chemical tests.***	**X**		**1, IN**							
Material	**67-83 Rockwell Hardness B**		**X**	**1, T**							
Seismic Condition C	**Maintain Critical Function Before and After Seismic Event.**		**X**	**1, A**							

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:_____ Date_____
Testing Agency QA Engineer:_____ Date_____	QA Engineer:_____ Date_____

Section 6 Contacts / Phone Numbers		
Title	Name	Phone
Design Authority		
QA		
QC		
Cog - Engineer		
CGI Engineer	**Larry Price**	**372-8770**
Procurement Engineer		
Other		

Section 7 Supporting Documentation for This Checklist		
	Initial Procurement Documents	**For Critical Characteristics**
	Drawings:	
	Manuals (specify type & number):	
	Design Calculations	
	Installation Instructions	
	Operation Instructions	
	Calibration Instructions	
	Manufacturer's Recommended Spare Parts List	
X	**Other: : Catalog Cut Sheets: Ryerson Stocks and Services, Square Structural Tubing, Carbon Steel; I-Beams; I-Beams – Wide Flange Beams**	**All**
	Procurement Documents	
	Certificate of Conformance/Compliance	
	Seismic Qualification Certificate	
	Environmental Qualification Certificate	
	Test Report (s):	
	Inspection Report (s):	
	CMTRs for ASME Pressure Retaining Materials	
	Valve Seat Leakage Report	
	Weld Records	
	Material Traceability Record	
	Other:	