



Fuel element debris pic tool

May 2022

Changing the World's Energy Future

Jeremy C Schuldt



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May 2022

**Idaho National Laboratory
Idaho Falls, Idaho 83415**

<http://www.inl.gov>

**Prepared for the
U.S. Department of Energy
Under DOE Idaho Operations Office
Contract DE-AC07-05ID14517**

NOTES:

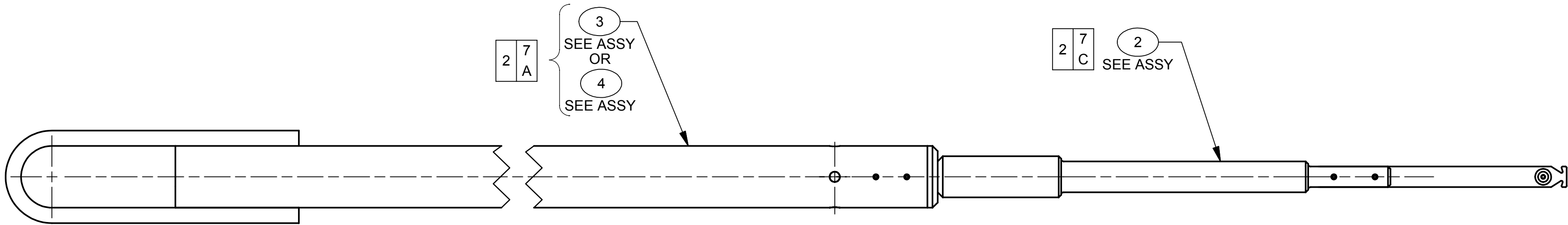
1. REMOVE ALL BURRS AND SHARP EDGES.
2. WELD PER INL WELD PROCEDURE SPECIFICATION S2.0.
WELD INSPECTION PER AWS D1.6 SECTION 6.29.1, NO CRACKS ALLOWED.
3. MARK -2 AND -3 ASSEMBLIES WITH .25 HIGH CHARACTERS PER STD-7006-2D2 WITH 600203 AND RESPECTIVE DASH NO.
4. ITEM 12 MAY BE MADE OF ROUND BAR, ROD, OR TUBING WITH MINIMUM WALL THICKNESS OF .063 IN.
5. QUALITY LEVEL DETERMINATION NUMBER RTC-000036.



		DIMENSIONING AND SYMBOLLOGY ARE AMERICAN NATIONAL STANDARD UNLESS OTHERWISE SPECIFIED SURFACE ROUGHNESS TM / DIMENSIONS AND TOLERANCES ARE IN INCHES TOLERANCES: X = ± .1 DECIMALS: .XX = ± .03 .XXX = ± .010 FRACTIONS = ± 1/8 ANGULAR = ± ° DO NOT SCALE DRAWING	SUBCONTRACT NO.		 Idaho National Laboratory											
			REQUESTER: S. W. MONK		RTC ATR CANAL DEBRIS PICK TOOL ASSEMBLY AND DETAIL											
			DESIGN: T. L. JULIUS													
			DRAWN: J. L. HILLIER													
-5	FINAL		PROJECT NO:		SIZE D		CAGE CODE 01MF3		INDEX CODE NUMBER AREA I TYPE CLC ORIG 533 0670 48 081				DWG- 600203		REV 1	
-1	FINAL		SPCL CODE													
DASH NO.	NEXT ASSY		FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 513463													
APPLICATION			EFFECTIVE DATE: 3/7/07		SCALE: NOTED											

Path: G:\SD7400s\7457\630665.dwg
Date: 09May05 - 4:31pm
File:630665--

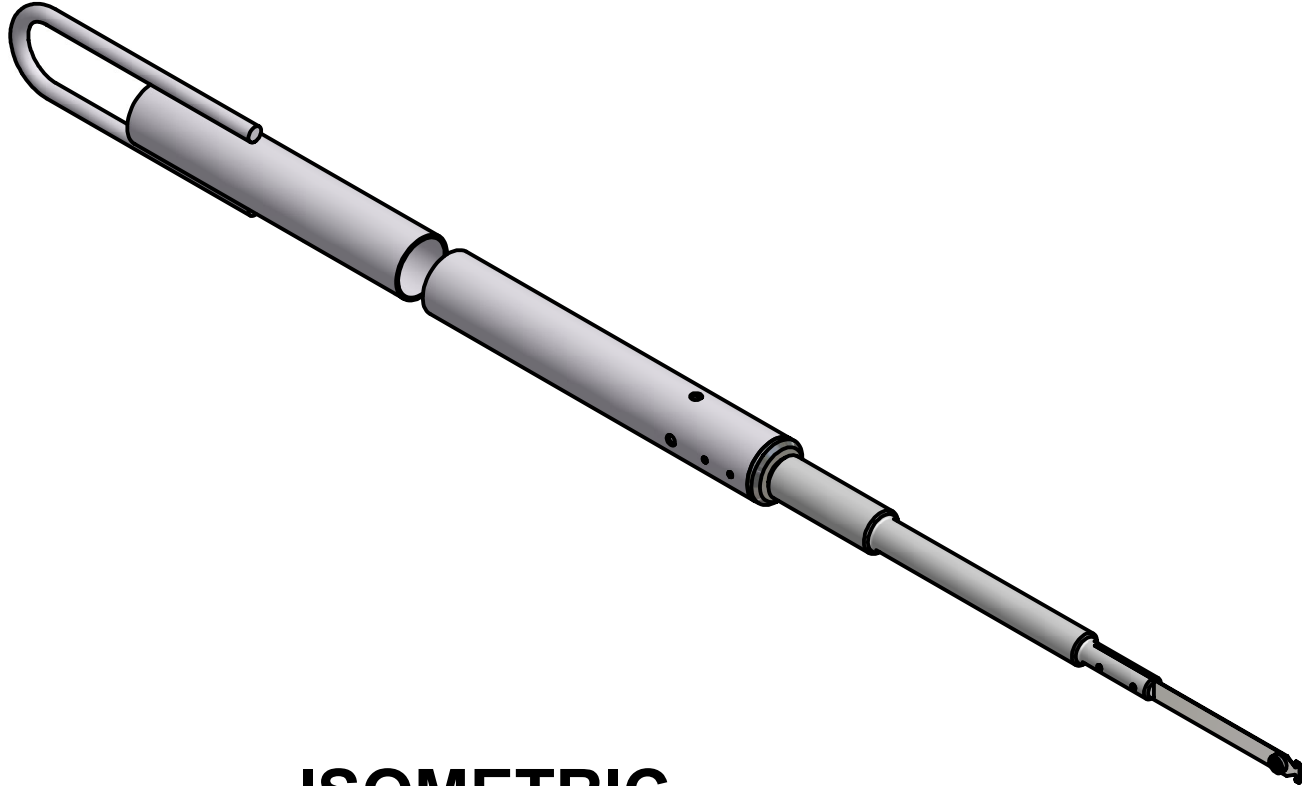
- NOTES:
1. REMOVE ALL BURRS AND SHARP EDGES.
 2. CLEANLINESS PER STD-7022 LEVEL D.
 3. WELD PER INEEL WPS A2.0 USING ITEM 15. NO INSPECTION REQUIRED.
 4. MARK PER STD-7006-2D WITH 630665-2.
 5. MARK PER STD-7006-2D WITH "DEBRIS PICK HANDLE 6'-0" ON -3 ASSEMBLY AND "DEBRIS PICK HANDLE 10'-0" ON -4 ASSEMBLY.



-1 ASSEMBLY

2		1	
REV		EFFECTIVE DATE:	
-	AS-BUILT AS OF 5/4/05		

ISOMETRIC
SCALE: NONE



AR	AR			CG		WELD FILLER METAL	ER 4043	AWS A5.10	15
		2		CG		ROLL PIN, 1/8 X 1/2 LG	SST		14
AR	AR			CG			BAR, 3/8	AL 6061-T6	13
2	2			CG		ROLL PIN, 1/8 X 1 1/2 LG	SST		12
AR	AR			CG			TUBING, 1 1/2 OD X .065 WALL	AL 6061-T6	11
		1		CG		BLIND RIVET, 1/8 X .063 - .125 GRIP RANGE	SST		10
1	1			CG	-9	HANDLE CONNECTOR	300 SERIES SST		9
		1		CG	-8	TOOL BODY	AL 6061-T6		8
		1		CG	-7	PICK	MADE FROM MITUTOYO STAINLESS STEEL RULE, MODEL 182-205 OR EQUAL		7
		1		CG	-6	BUTTON	AL 6061-T6		6
									5
		1		CG	-4	10'-0 HANDLE ASSEMBLY			4
		1		CG	-3	6'-0 HANDLE ASSEMBLY			3
		1		CG	-2	PICK ASSEMBLY			2
				CG	-1	ASSEMBLY			1
-4	-3	-2	-1	SAFETY CAT.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL/SPECIFICATION OR VENDOR NAME	ITEM NO.	

PARTS LIST

SPECIAL PURPOSE

DIMENSIONING AND SYMBOLGY ARE AMERICAN NATIONAL STANDARD UNLESS OTHERWISE SPECIFIED SURFACE ROUGHNESS ¹²⁵ / ₃₂ ARE IN INCHES TOLERANCES: X = ± .1 DECIMALS: .XX = ± .03 .XXX = ± .010 FRACTIONS: ± 1/8 ANGULAR: ± 2° DO NOT SCALE DRAWING		SUBCONTRACT NO. REQUESTER: D. SCHOONEN DESIGN: D. ROBINSON DRAWN: S. VALENTINE PROJECT NO. SPCL CODE SPECPURP		INL Idaho National Laboratory ATR FUEL ELEMENT DEBRIS PICK ASSEMBLIES, VIEWS AND DETAILS		SIZE D	CAGE CODE O1MF3	INDEX CODE NUMBER AREA TYPE CL ORIG 533 0670 148 081	DWG- 630665	REV -
FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 500122		EFFECTIVE DATE: 5/9/05		SCALE: 1/2		SHEET 1 OF 2		SD7457		

