

# ***EBR-II and TREAT Digitization Project***

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**Fuel Cycle Research & Development**

*Prepared for  
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## **SUMMARY**

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**ACRONYMS**

TREAT: Transient Reactor Test Facility

EBR-II: Experimental Breeder Reactor II

# TITLE

## 1. INTRODUCTION

After an initial effort to size the problem and identify the most needed component of the EBR-II drawing and the location of sensors used for the data acquisition system occurred in FY 2014, a project was started in 2015 to digitize the drawings for both the EBR-II and TREAT reactor drawings. The digitalization of the EBR-II drawing has been founded directly by DOE under a SBIR call. While the TREAT work was also supported directly by the DOE (SBIR), with the additional help of the TREAT Restart Program, TREAT engineering and TREAT Experimental Design groups.

The reason of the additional founding requirement for the completion of the TREAT digitization, supplied by the TREAT program, was the decision to raise the quality of the digitization process so to include material information and create file format that could be easily manipulated a posteriori.

Digitizing the technical drawings provides multiple benefits. Moving the scanned or hard copy drawings to modern 3-D CAD (Computer Aided Drawing) format saves data that could be lost over time. The 3-D drawings produce models that can interface with other drawings to make complex assemblies. The 3-D CAD format can also include detailed material properties and parametric coding that can tie critical dimensions together allowing easier modification. Creating the new files from the old drawings has found multiple inconsistencies that are being flagged or corrected improving understanding of the reactor(s).

Beyond data retention the 3-D CAD format allows detailed physics models to be built. Modern physics codes being developed for radiation transport and thermal hydraulic analysis can work directly with 3-D CAD models. The 3-D CAD models can be used to create meshed reactor components and models allowing very detailed simulations to be run. The detailed models can then be used in validating the modern codes using previous experimental data. EBR-II in particular has a database of large integrated tests that can be used to validate modern codes.

The TREAT drawings are also going to be used by the engineering department, experimental design and low enrichment fuel conversion project. The engineering groups can use the drawings to produce thermo-mechanical models to assist in operating work. Integrated 3-D reactor models will allow large scale walk through display to further assist engineering activities. The drawings have already proven to be of great interest to the TREAT staff.

## 2. WORK HISTORY

Initial work centered on finding a suitable small business that could support the INL effort to digitize the EBR-II and TREAT reactor drawings. INL works with multiple vendors for drafting support for unique projects. Discussions with MFC engineering staff indicated that Walsh Engineering would have the capability and technical skills to complete the task. Walsh had earlier been given a support contract through a competitive bidding process. Walsh in particular had experience creating sophisticated INVENTOR 3-D CAD drawings. INVENTOR is a 3-D CAD program that can quickly produce sophisticated 3-D models suitable for INL engineering.

Two engineering work requests were created to start work on EBR-II and TREAT drawing conversion. TREAT drawings were given priority so that the engineering groups could quickly integrate the new drawings into the restart and engineering programs. A flow of completed drawings was established using a team of dedicated Walsh drafters. Drawing priority was established so that the most important drawings and assemblies were created first. Naming standards were created to flag drawings that had inconsistencies. Following references from one drawing to another demonstrated that the volume of work was significantly larger than initially estimated. INL dedicated a point of contact in the TREAT

engineering group to pull additional drawings, resolve inconsistencies and to improve the project efficiency.

EBR-II drawing conversion started later in the year as additional staff became available at Walsh for the project. An EBR-II drawing conversion team was established by Walsh similar to the TREAT team. The lessons learned from the TREAT work were carried to the new team. Since EBR-II doesn't have an active engineering group a point of contact was established with the MFC Document Control group. A similar discovery phase has shown that many more drawings are available than initially identified.

### 3. WORK HISTORY

#### 3.1 TREAT Status

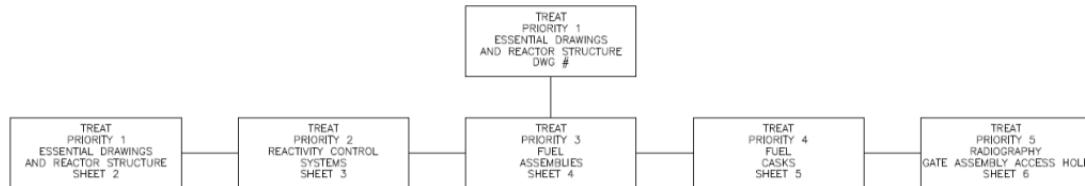
Starting with only a single 484 page reference drawing book to describe the TREAT reactor two additional books of 301 and 305 pages were identified. Conversion of the entire reactor drawing set will be completed by the end of the calendar year following an contract extension requested by Walsh Engineering without increase in the requested budget. The original scope of work would have created enough data to allow advanced simulation work. The additional detail included in the additional books is needed to allow engineering and operational work. The additional work to complete the reactor drawings were funded by the TREAT engineering, TREAT Restart and TREAT Experiments groups because of the benefit.

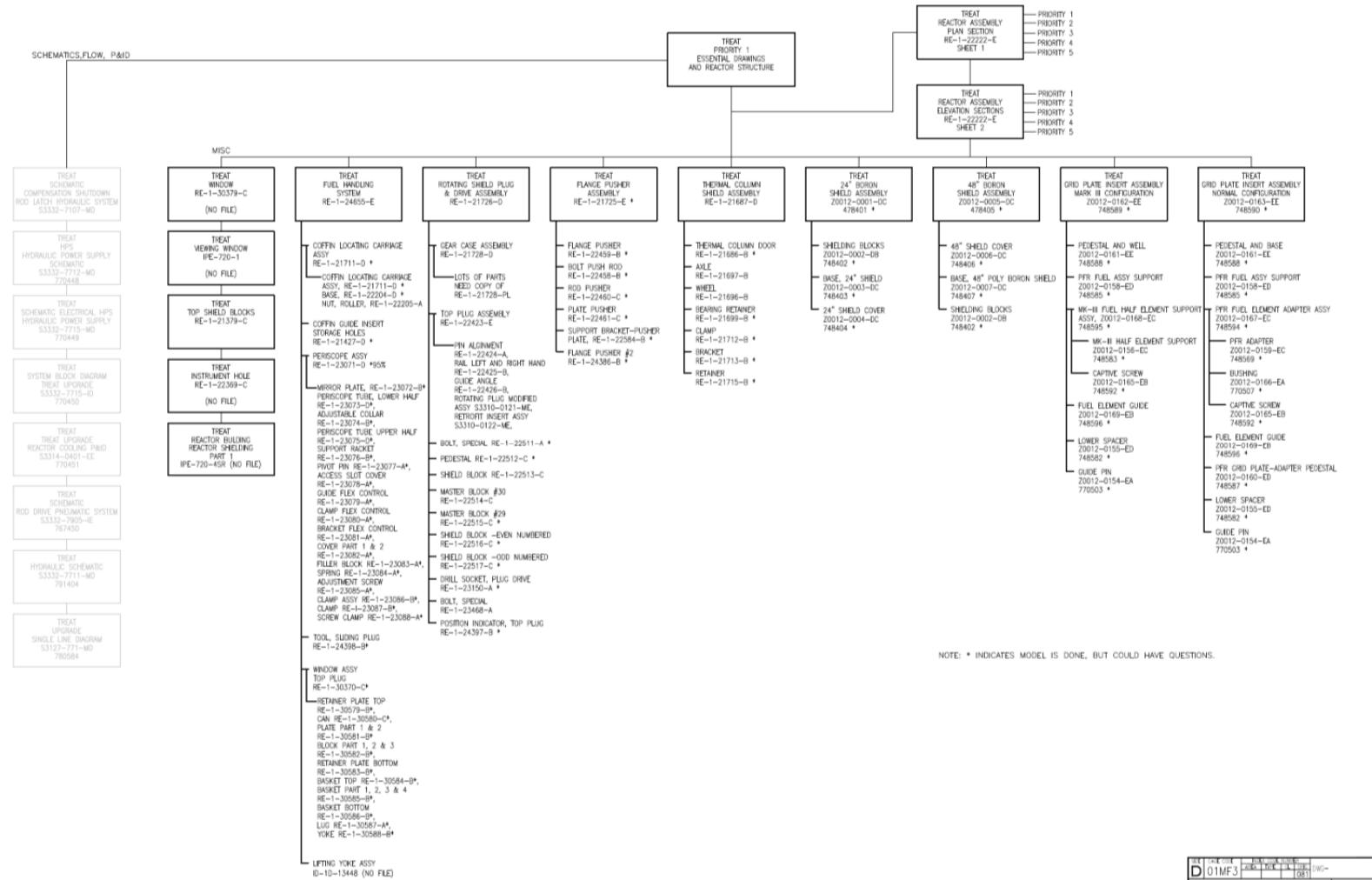
The addition of the new required detailed explains the increase in the contractual time and the work could not be effectively split sub sequentially since it will be much more expensive to add those details later.

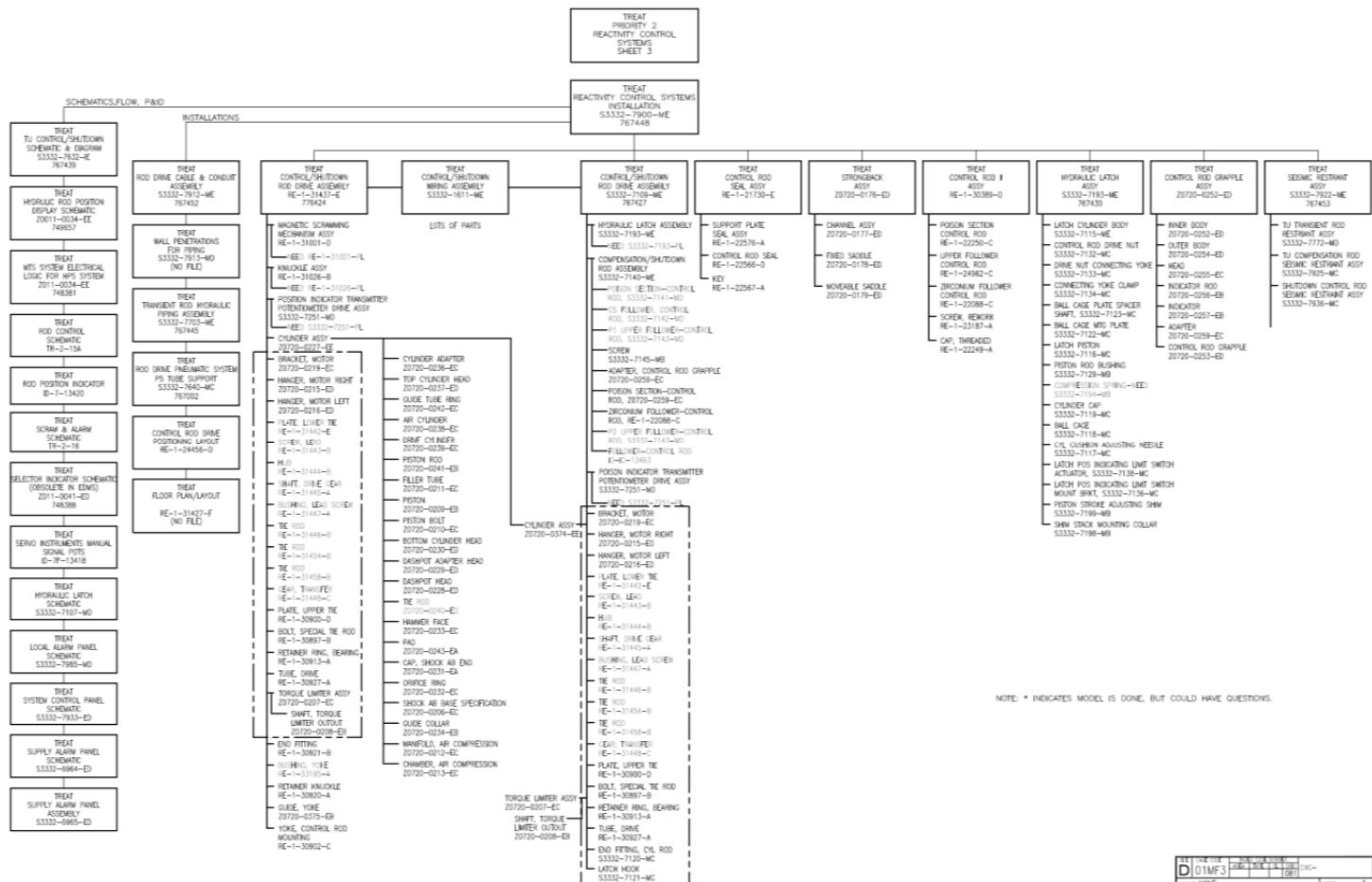
68% of the components have been modeled. (1816 parts and 251 assemblies.) The bulk of the parts yet to be completed are low priority parts so that it could be assert that the original goal has ben already been achieved considering also the higher level of quality that has been decided for the drawings. A copy of the drawings complete and the inherent drawing structure has been delivered to the TREAT engineering team (mail in appendix A). A graphic of the drawing tree is included to show the number of drawings and the data structures of the TREAT reactor.

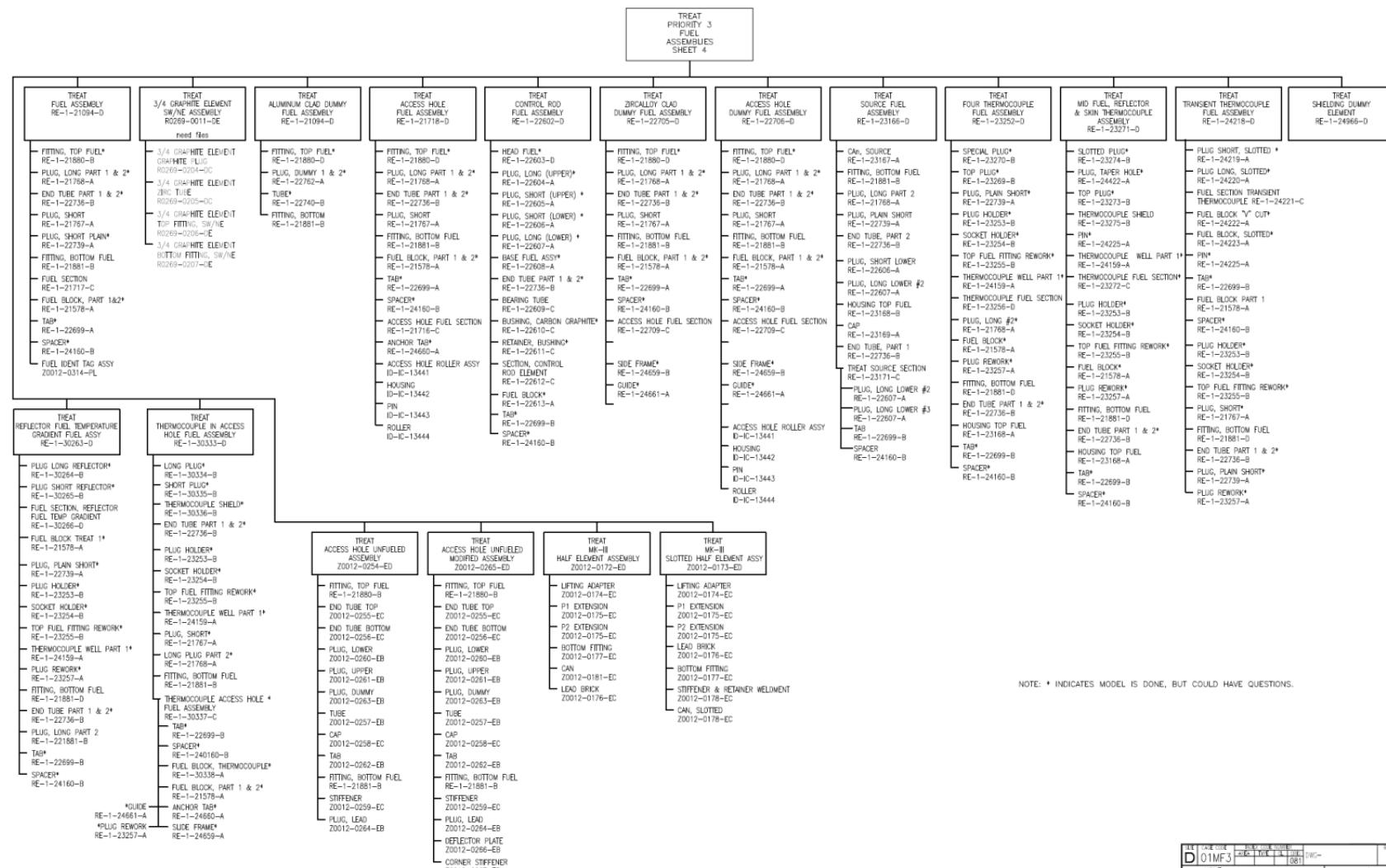
**Table 1: Completed work table for the TREAT digitization project**

TREAT Drawings	Status Complete %	Weighted % Complete
Priority 1	85	17
Priority 2	90	18
Priority 3	70	14
Priority 4	90	18
Priority 5	7	1
Total		68





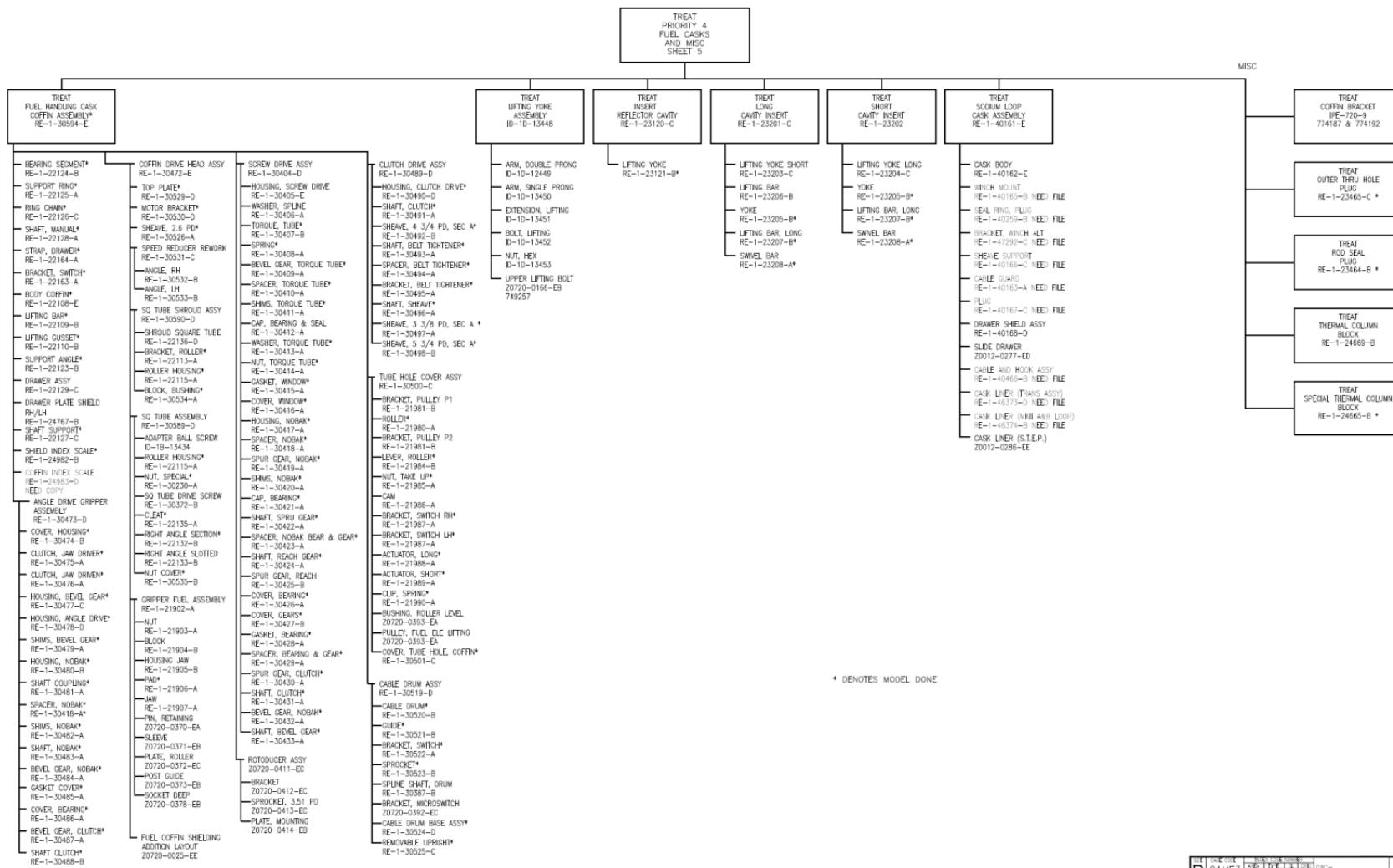




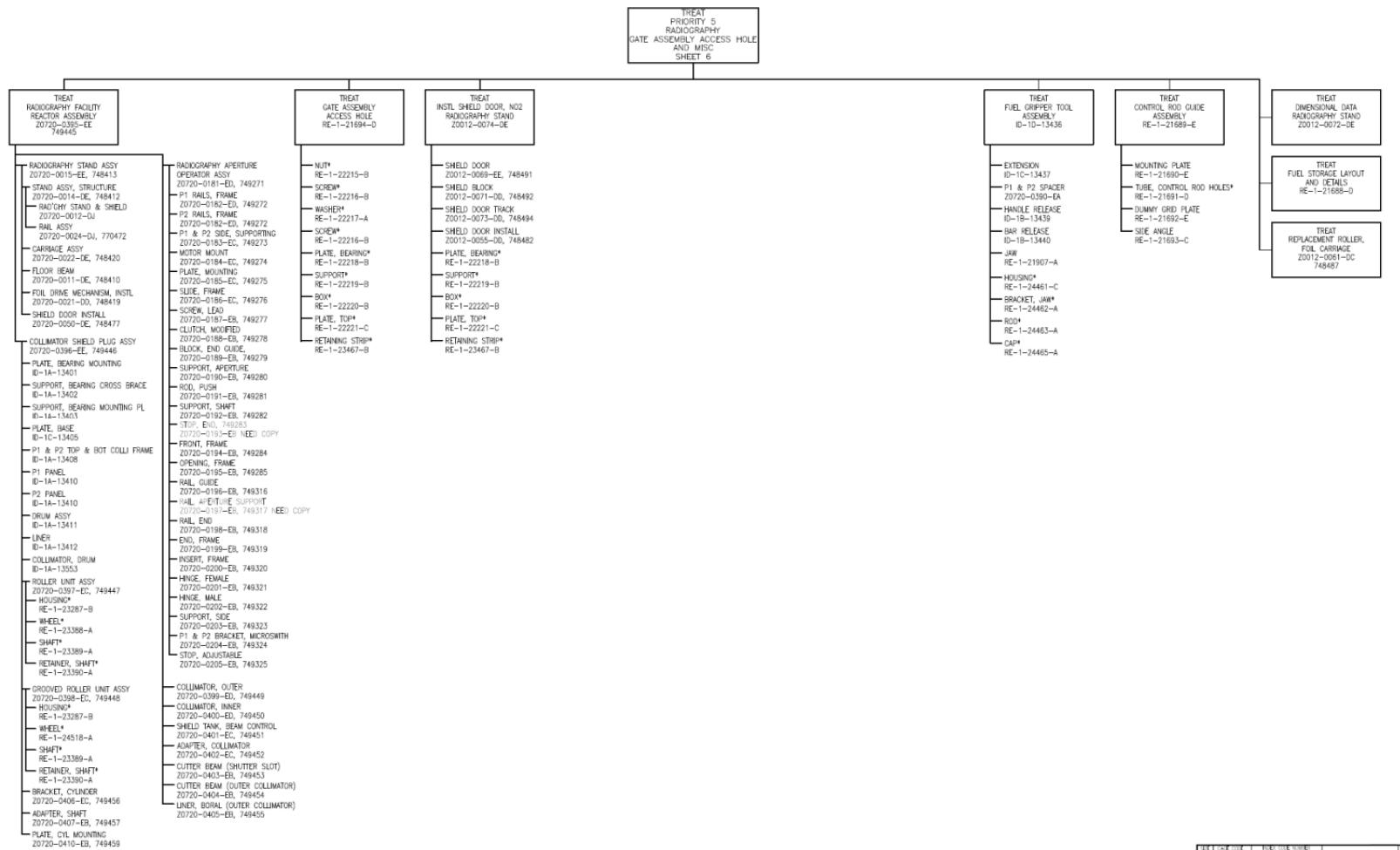
D 01MF3 F 0114 L 081 W -

PAGE NONE

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D	01MF3	100	100	100	100	100
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**Figure 1: TREAT drawing tree**

### 3.2 EBR-II Status

EBR-II work started with identifying the drawings needed, retrieving some of those drawings, and modeling parts and assemblies for the drawings we do have in hand. Approximately 50% of the effort has been spent modeling parts and putting assemblies together. There are currently 338 parts and 73 assemblies modeled. The other 50% has been used identifying missing drawings and creating a spreadsheet to track those drawings and their retrieval from document control. As we approach a drawing for modeling, we identify on the face of the drawing, next level assemblies and child drawing references, as well as other drawing references. All numbers (current drawing, parent and child drawings) are fed into the EDMS search engine using the BEA 6 digit drawing number and the Alternate ID number (ex- 687886 and E0552-0017 for the Lower Preassembly). The search for the Alternate ID number can yield multiple additional drawings as any drawing that is tied to it via an assembly or reference, will show up in the search. All these numbers are in turn searched as well for a hardcopy of the drawing and/or additional drawing references.

Once all drawings links have been identified, we can then move on to the next drawing on our list of those initially handed over to model. We have found that while we are able to gather a multitude of drawing references, roughly 90% of those drawings are not available via EDMS and need to be retrieved from MFC Document Control.

Using the Drawing Matrix [Table 1] to see ranges of drawings we are in need of, and based off of the TREAT effort yielding roughly 80% of drawings in specific ranges, we can assume there are a minimum of 4000, and possibly upwards of 6000-7000 drawings we need to retrieve to complete the work. This is up from an initial projection of 1000-2000 drawings needed to be retrieved. It is to be noticed that those drawings cover the whole reactor while the set covering the vessel and internal and primary loop is a rather smaller subset but needs to be clearly assessed. As we do obtain missing drawings, we expect there to be a continued effort of identifying more drawings needed from the new information.

We expect to be able to retrieve roughly 750 missing drawings and be able to complete the initial identification of missing drawings in addition to identifying missing any drawings from 175 of the 750 retrieved drawings. Additionally, we expect to complete an additional 50 parts and 10 assemblies by year-end under an already founded contract with Walsh Engineering.

## 4. FUTURE WORK

The remaining fraction of the TREAT work, mostly low relevance component, will be complete by the end of the calendar year under an already founded and in place contract. A complete set of current drawings is being delivered to TREAT engineering [appendix 3] so that they can start integrating the drawings into TREAT processes.

The EBR-II work will center on completing a description of the primary system drawings in 2016. If time is available work on secondary and supporting reactor components will start.

Immediate work will center on identification and retrieval of all the missing drawings. This work should be accomplished by mid-year. Retrieval of drawings and finding parent/child dependencies will still be roughly 40-50% of the overall effort. Modeling of the reactor should reach roughly 35% completion, which would represent ~50% of the primary components, adding 1400 parts and 250 assemblies.

Table 2: EBR-II Drawing Control Matrix

DRAWING STATUS	DWG NO.	ALTERNATE ID	DESCRIPTION	NEXT LEVEL ASSEMBLY LISTED	NOTES	DRAFTER
X	151066	E42-EBR-II-701-2	EBR II REACTOR CONTAINMENT VESSEL	NONE		
I	C5-2436			EB-1-25179		
T	C5-2456			EB-1-25179	Not Sure about this number?	
	687871	E052-0002-00	REFLECTOR SUBASSEMBLY MODEL B.S.S. (INNER BLANKET) MODIFICATION WITH FLUX WIRE	EB-1-25961-E	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON EB-1-25961-E	
	E052-0002-PL7					
	687883	E052-0014-00	REFLECTOR SUBASSEMBLY MODEL B.S.S. OUTER BLANKET MODIFICATION WIRE FLUX	EB-1-25961-E	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON EB-1-25961-E	
	E052-0014-PL7					
	687884	E052-0015-00	REFLECTOR SUBASSEMBLY MODEL B.S.S. OUTER BLANKET MODIFICATION WIRE FLUX	EB-1-25961-E	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON EB-1-25961-E	
	E052-0015-PL7					
	687885	E052-0016-00	SUB ASSEMBLY MARK 1A STB MODIFICATION WITH FLUX (CORE)	EB-1-25961-E	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON EB-1-25961-E	
	E052-0016-PL7					
	687886	E052-0017-00	LOWER PREASSEMBLY	E0552-0016-DE	NEXT LEVEL ASSEMBLY FROM 704821	
	E052-0017-PL7					
	687888	E052-0019-00	CENTRAL FLUX WIRE TUBE HOLDER ASSEMBLY	E0552-0017-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0552-0017	
	E052-0019-PL7					
	687889	E052-0020-00	GRID SUBASSEMBLY	E0552-0017-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0552-0017	
	E0552-0020-PL7					
	687890	E052-0021-00	FLOW DISTRIBUTOR	E0552-0017-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0552-0017	
	E0552-0022-00	SHIELD LOWER		E0552-0017-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0552-0017	
	687901	E052-0032-00	EBR II SUBASSEMBLY MARK 1A STB MODIFICATION WITH FLUX WIRE (INNER BLANKET)	EB-1-25961-E	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON EB-1-25961-E	
	E052-0032-PL7					
	687931	E0549-0002-00	EBR II IRRADIATION SUBASSEMBLY MARK D-1 INNER BLANKET	NONE	NEXT LEVEL ASSEMBLY FROM 704821	
	E0549-0002-PL7					
	687932	E0549-0003-00	HEX TUBE	E0569-0002-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0569-0002	
	E0569-0004-00	T.E.D. DUMMY ELEMENT		E0569-0002-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0569-0002	
	687935	E0569-0004-00	HEX TUBE	E0569-0002-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0569-0002	
	687967	E0578-0002-00	EBR II CORE SUBASSEMBLY MODEL STB-HW	EB-1-25961-E	NEXT LEVEL ASSEMBLY FROM 704821	
	E0578-0002-PL7					
	687968	E0578-0003-00	LOWER PREASSEMBLY CORE MODEL STB-HW	E0578-0002-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0578-0002	
	E0578-0003-PL7					
	687971	E0578-0004-00	BLANKET REGION CORE SUBASSEMBLY MODEL STB-HW	EB-1-25961-E	NEXT LEVEL ASSEMBLY FROM 704821	
	E0578-0004-PL7					
	687972	E0578-0007-00	LOWER PREASSEMBLY MODEL STB-HW (BLANKET REGION)	E0578-0006-DE	PICKED UP REFERENCE FROM EDMS VIA SEARCH ON E0578-0006	
	E0578-0007-PL7					
	687435	E0597-0005-00	IRRADIATION SUBASSY MK 1A. STB (CORE) MOD WITH DOSIMETER	EB-1-25961-E	NEXT LEVEL ASSEMBLY FROM 704821	
	E0597-0005-PL7					
X	688930	E0949-0001-00	EBR-II SODIUM COLD TRAP ASSY	NEXT LEVEL HATCHED OUT E0969-0027-DE		
X	E0969-0001-PL					
	688935	E0969-0012-00	JACKET COLD TRAP	E0969-0001-DE	REF'D FROM 689547, INACTIVE DRAWING, STATUS INDICATES ASSIGNED, ALSO REF'D FROM 689840	
	E0969-0013-00	SHELL COLD TRAP		E0969-0001-DE	REF'D FROM 689547, INACTIVE DRAWING, STATUS INDICATES ASSIGNED, ALSO REF'D FROM 689840	
	688937	E0969-0014-00	BAFFLE CONNECTION	E0969-0001-DE	REF'D FROM 689547, INACTIVE DRAWING, STATUS INDICATES ASSIGNED, ALSO REF'D FROM 689840	
	E0969-0016-00	FLANGE COLD TRAP JACKET		E0969-0001-DE	REF'D FROM 689547, INACTIVE DRAWING, STATUS INDICATES ASSIGNED, ALSO REF'D FROM 689840	
X	688944	E0969-0027-00	PRIMARY SODIUM COLD TRAP & SHIELD ASSEMBLY	E171-0002-DE	NEXT LEVEL ASSY FROM 689547	
	E0969-0027-PL					
	688946	E0969-0031-00			NO RECORD IN EDMS	
	E0969-0031-BM7					
	688946	E0969-0031-00	UPPER HEAD & BAFFLE SUBASSY	E0969-0001-DE (688930)	REF'D FROM 689542 AS NEXT LEVEL ASSY, INACTIVE DRAWING, STATUS INDICATES ASSIGNED	
	E0969-0034-BM7					
	688951	E0969-0034-00	SUPPORT LEG COLD TRAP ASSY	E0969-0001-DE	REF'D FROM 689547, INACTIVE DRAWING, STATUS INDICATES ASSIGNED, ALSO REF'D FROM 689840	
	E0969-0037-00	RETAINER THERMOWELLS		E0969-0031-DE	REF'D FROM 689548 DETAIL 1, INACTIVE DRAWING, STATUS INDICATES ASSIGNED	
	688988	E1976-0014-00	PRIMARY PURIFICATION CELL SHADOW SHIELD INSTALLATION	E1976-0014-PL7	REF'D FROM 687484 SH1, NO RECORD IN EDMS	
	E1976-0014-PL7					
	688722	E1976-0050-00	EBR-II ACS VAPOR TRAP ASSEMBLY - UNITS 2,3 & 4	EB-1-29347-E	REF'D VIA EDMS SEARCH ON EB-1-29347, NO RECORD IN EDMS	
	E1976-0051-00	EBR-II VESSEL - ACS VAPOR TRAP		E1976-0050-DE	REF'D VIA EDMS SEARCH ON E1976-0050, NO RECORD IN EDMS	
	677724	E1976-0052-00	EBR-II FLANGE, BLIND - ACS VAPOR TRAP	E1976-0050-DE	REF'D VIA EDMS SEARCH ON E1976-0050, NO RECORD IN EDMS	
	E1976-0053-00	EBR-II FLANGE, WELDING NECK - ACS VAPOR TRAP		E1976-0050-DE	REF'D VIA EDMS SEARCH ON E1976-0050, NO RECORD IN EDMS	
	688726	E1976-0054-00	EBR-II FILTER ELEMENT, 6" - ACS VAPOR TRAP	E1976-0050-DE	REF'D VIA EDMS SEARCH ON E1976-0050, NO RECORD IN EDMS	
	E1976-0055-00	EBR-II MESH RETAINER RING - ACS VAPOR TRAP		E1976-0050-DE	REF'D VIA EDMS SEARCH ON E1976-0050, NO RECORD IN EDMS	
4	688728	E1976-0056-00	EBR-II WELD MAF FOR ACS VAPOR TRAPS, UNITS 2, 3 & 4	E1976-0050-DE	REF'D VIA EDMS SEARCH ON E1976-0050, NO RECORD IN EDMS	
X	689547	E1982-0133-00	PRIMARY SODIUM MULTI MESH COLD TRAP ASSEMBLY	E0969-0027-DE	NEXT LEVEL ASSY FROM 689548	
	E1982-0133-PL					
X	689548	E1982-0134-00	PRIMARY COLD TRAY UPPER HEAD ASSEMBLY	E1982-0133-DE	NO RECORD IN EDMS	
	E1982-0134-PL					
	689549	E1982-0135-00	EBR-II BULKHEAD WELDMENT - PRIMARY SODIUM MULTI-MESH COLD TRAP	E1982-0134-DE	PICKED UP REFERENCE FROM EDMS, NO RECORD IN EDMS	
	E1984-0032-00	EBR-II PRIMARY PUMP SHIELD PLUG MOISTURE EVACUATION SYSTEM		E8-1-25003-F	REF'D VIA EDMS SEARCH ON E892780, NO RECORD IN EDMS	

	689609	E1984-0033-00	EBR-II PANEL - PRIMARY PUMP SHIELD PLUG MOISTURE EVACUATION SYSTEM	E1984-0032-DE	REFD VIS EDMS SEARCH ON E1984-0032. NO RECORD IN EDMS	
	689610	E1984-0034-00	EBR-II PLATE - PRIMARY PUMP SHIELD PLUG MOISTURE EVACUATION SYSTEM	E1984-0032-DE	REFD VIS EDMS SEARCH ON E1984-0032. NO RECORD IN EDMS	
1	689613	E1984-0037-EC	EBR-II CONDUIT SEAL GLAND ASSEMBLY - INSTRUMENT PLUG	EB-1-2554-E	REFD FROM EB-1-25745-E	
X	689839	E1984-0072-DE	EBR-II MK-2 PRIMARY SODIUM MULTI-MESH COLD TRAP AND SHIELD ASSEMBLY	E5171-0002-DE	REFD FROM 697484	
X	689840	E1984-0072-PL	E1984-0073-DE PRIMARY SODIUM MULTI-MESH COLD TRAP ASSEMBLY	E5171-0002-DE	REFD FROM 697484	
		E1984-0073-PL			NO RECD IN EDMS	
	689841	E1984-0074-DC	EBR-II MK-2 SHIELD MOUNTING PLATE - PRIMARY SODIUM MULTI-MESH COLD TRAP	E1984-0072-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
	689842	E1984-0075-DC	EBR-II MK-2 BASE PLATE - PRIMARY SODIUM MULTI-MESH COLD TRAP	E1984-0072-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
	689843	E1984-0076-DE	EBR-II MK-2 PRIMARY COLD TRAP UPPER HEAD ASSEMBLY	E1984-0073-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
		E1984-0076-PL7			NO RECD IN EDMS	
	689844	E1984-0077-DC	EBR-II MK-2 LOWER MESH SUPPORT - PRIMARY SODIUM MULTI-MESH COLD TRAP	E1984-0076-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
	689845	E1984-0078-DC	EBR-II MK-2 MESH RETAINER BAR - PRIMARY SODIUM MULTI-MESH COLD TRAP	E1984-0076-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
	689846	E1984-0079-DB	EBR-II MK-2 THERMOWELL RETAINER - PRIMARY SODIUM MULTI-MESH COLD TRAP	E1984-0076-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
	689847	E1984-0080-DE	EBR-II MK-2 INNER MESH SUPPORT - PRIMARY SODIUM MULTI-MESH COLD TRAP	E1984-0076-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
		E1984-ALL				
1	670384	E5059-0063-DE	EBR-II CGCS H-1 PENETRATION PLUG		REFD FROM EB-1-54344-C	
1	690893	E5059-0311-00	SYSTEM DOCUMENTATION		REFD FROM E-5059-0063-DE	
1		E5106-ALL				
		E5142-0002-BM7				
	696610	E5142-0002-DE	SHIELDED COLD TRAP ASSEMBLY PRIMARY PURIFICATION CELL	NONE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
	696611	E5142-0003-00	SHIELDED COLD TRAP TOP SHIELD PRIMARY PURIFICATION CELL	E5162-0002-DE	PICKED UP REFERENCE FROM EDMS. NO RECORD IN EDMS	
		E5142-0004-BM7				
	696612	E5142-0004-DE	ECONOMIZER ASSEMBLY PRIMARY PURIFICATION CELL	E5171-0002-DE	REFD FROM 697484. NO RECORD IN EDMS	
	677909	E5148-0051-DC	PIPING FERD SYSTEM TO THIMBLE COOLING SYSTEM	EB-1-25004-F	REFD VIA EDMS SEARCH FOR 692781. NO RECORD IN EDMS	
X	697484	E5171-0002-DE	SHIELDED COLD TRAP-NUCLIDE TRAP INSTALLATION UPPER & LOWER PIPING PLAN	NONE LISTED	NEXT LEVEL ASSY FROM 688944	
		E5171-0002-PL			NO RECORD IN EDMS	
		E5171-0003-BM7				
	697485	E5171-0003-DE	NO. 1 NUCLEIDE TRAP ASSY PRIMARY PURIFICATION CELL	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
	697486	E5171-0004-DE	NO. 1 NUCLEIDE TRAP WELDMENT PRIMARY PURIFICATION CELL	E5171-0003-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
	697487	E5171-0005-DE	SHIELD CASK WELDMENT PRIMARY PURIFICATION CELL NUCLEIDE TRAP	E5171-0003-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
	697488	E5171-0006-DE	SHIELD PLUG WELDMENT PRIMARY PURIFICATION CELL NUCLEIDE TRAP	E5171-0003-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
		E5171-0007-BM7				
	697489	E5171-0008-DC	PIPE SPOOL WELDMENT NUCLEIDE TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE, SAYS OBSOLETE	
	697490	E5171-0008-DC	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697491	E5171-0009-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697492	E5171-0010-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697493	E5171-0011-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL	E5171-0002-DE	REFD FROM 697484	
	697494	E5171-0012-DC	EBR-II PFC SHIELDED COLD TRAP NUCLEIDE TRAP INSTALLATION PIPE SPOOL	E5171-0002-DE	REFD FROM 697484	
	697495	E5171-0013-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697496	E5171-0014-DC	EBR-II PFC SHIELDED COLD TRAP INSTALLATION - PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
		E5171-0015-BM7				
	697497	E5171-0015-DC	PIPE SPOOL NUCLEIDE TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE, SAYS OBSOLETE	
		E5171-0016-BM7				
	697498	E5171-0016-DC	PIPE SPOOL NUCLEIDE TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE, SAYS OBSOLETE	
	697499	E5171-0017-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION - PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697500	E5171-0018-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL	E5171-0002-DE	REFD FROM 697484	
	697501	E5171-0019-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697502	E5171-0020-DC	EBR-II PFC SHIELDED COLD TRAP NUCLEIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697503	E5171-0021-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
	697504	E5171-0022-DC	EBR-II PFC SHIELDED COLD TRAP NUCLEIDE TRAP INSTALLATION - PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
		E5171-0023-BM7				
	697505	E5171-0023-DC	PIPE SPOOL WELDMENT NUCLEIDE TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
	697506	E5171-0024-DC	EBR-II PFC SHIELDED COLD TRAP - NUCLIDE TRAP INSTALLATION PIPE SPOOL WELDMENT	E5171-0002-DE	REFD FROM 697484	
		E5171-0025-BM7				
	697507	E5171-0025-DE	NUCLIDE TRAP SUPPORT FRAME NUCLEIDE TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
		E5171-0024-BM7				
	697508	E5171-0028-00	SUPPORT COLUMN NUCLEIDE TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
	697509	E5171-0027-00	BALL TRANSFER PLATE NUCLEIDE TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX. ASSIGNED & INACTIVE	
	698339	E5171-0028-DC	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION WALL BRACKET	E5171-0002-DE	REFD FROM 697484	
	698340	E5171-0029-DB	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION GUSSET PLATE	E5171-0002-DE	REFD FROM 697484	
	698341	E5171-0030-DC	EBR-II PFC SHIELDED COLD TRAP NUCLEIDE TRAP INSTALLATION WALL BRACKET	E5171-0002-DE	REFD FROM 697484	
	698342	E5171-0031-DB	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION GUSSET PLATE	E5171-0002-DE	REFD FROM 697484	
	698343	E5171-0032-DB	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION COLUMN BRACKET	E5171-0002-DE	REFD FROM 697484	
	698344	E5171-0033-DB	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION BALL CASTER	E5171-0002-DE	REFD FROM 697484	
	698345	E5171-0034-DB	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION SHIM PLATE	E5171-0002-DE	REFD FROM 697484	
	698346	E5171-0035-DC	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION PLATFORM FRAME BEAM	E5171-0002-DE	REFD FROM 697484	
	698347	E5171-0036-DC	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION PLATFORM FRAME BEAM	E5171-0002-DE	REFD FROM 697484	
	698348	E5171-0037-DC	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION REMOVABLE BEAM	E5171-0002-DE	REFD FROM 697484	
		E5171-0037-DC			REFD FROM 697484 SH3. DETAIL 29. NO RECORD IN EDMS	
	698349	E5171-0038-DC	EBR-II PFC SHIELDED COLD TRAP AND NUCLIDE TRAP INSTALLATION BEAM BRACKET	E5171-0002-DE	REFD FROM 697484	

498350	E5171-0039-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION BEAM BRACKET	E5171-0002-DE	REF'D FROM 697484	
498351	E5171-0040-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION GRATING SUPPORT	E5171-0002-DE	REF'D FROM 697484	
498352	E5171-0041-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION GRATING SUPPORT	E5171-0002-DE	REF'D FROM 697484	
498353	E5171-0042-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PLATFORM GRATING	E5171-0002-DE	REF'D FROM 697484	
498354	E5171-0043-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PLATFORM GRATING	E5171-0002-DE	REF'D FROM 697484	
498355	E5171-0044-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PLATFORM GRATING	E5171-0002-DE	REF'D FROM 697484	
	E5171-0045-8M?				
498356	E5171-0045-DO	PLATFORM GRATING PPC SHIELDED COLD TRAP & NUCLEIC TRAP INSTALLATION	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498357	E5171-0046-DO	REMOVABLE PLATFORM GRATING PPC SHIELDED COLD TRAP & NUCLEIC TRAP	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498358	E5171-0047-DO	REMOVABLE PLATFORM GRATING PPC SHIELDED COLD TRAP & NUCLEIC TRAP	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498359	E5171-0048-DO	PLATFORM GRATING PPC SHIELDED COLD TRAP & NUCLEIC TRAP	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498360	E5171-0049-DO	PLATFORM GRATING PPC SHIELDED COLD TRAP & NUCLEIC TRAP	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498361	E5171-0050-DO	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION MOUNTING STUD	E5171-0002-DE	REF'D FROM 697484	
498362	E5171-0051-DC	EBR-II - PPC SHIELDED COLD TRAP NUCLEIC TRAP INSTALLATION PIPE HANGER TRAPEZE BRACKET	E5171-0002-DE	REF'D FROM 697484	
498363	E5171-0052-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER TRAPEZE BRACKET	E5171-0002-DE	REF'D FROM 697484	
498364	E5171-0053-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER TRAPEZE ANGLE	E5171-0002-DE	REF'D FROM 697484	
498365	E5171-0054-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION - PIPE HANGER WALL BRACKET	E5171-0002-DE	REF'D FROM 697484	
498366	E5171-0055-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER SUPPORT BRACKET	E5171-0002-DE	REF'D FROM 697484	
498367	E5171-0056-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER SUPPORT BRACKET	E5171-0002-DE	REF'D FROM 697484	
498368	E5171-0057-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER WELDMENT	E5171-0002-DE	REF'D FROM 697484	
498369	E5171-0058-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER SPACER PLATE	E5171-0002-DE	REF'D FROM 697484	
498370	E5171-0059-DB	C.G. ADAPTOR FOR 2" BELLOWS VALVE	E5171-0002-DE	REF'D FROM 697484	
498371	E5171-0060-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION - PIPE HANGER SPACER ANGLE	E5171-0002-DE	REF'D FROM 697484	
498372	E5171-0061-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER SPACER ANGLE	E5171-0002-DE	REF'D FROM 697484	
498373	E5171-0062-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE SPOOL	E5171-0002-DE	REF'D FROM 697484	
498374	E5171-0063-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER CHANNEL SUPPORT	E5171-0002-DE	REF'D FROM 697484	
498375	E5171-0064-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER POSITIONING PLATE	E5171-0002-DE	REF'D FROM 697484	
498376	E5171-0065-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION HANGER BRACKET	E5171-0002-DE	REF'D FROM 697484	
498377	E5171-0066-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER WALL BRACKET	E5171-0002-DE	REF'D FROM 697484	
498378	E5171-0067-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION HANGER BRACKET	E5171-0002-DE	REF'D FROM 697484	
498379	E5171-0068-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER ANGLE CLIP	E5171-0002-DE	REF'D FROM 697484	
498380	E5171-0069-DB	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER SPACE PLATE	E5171-0002-DE	REF'D FROM 697484	
498381	E5171-0070-DC	EBR-II - PPC SHIELDED COLD TRAP AND NUCLEIC TRAP INSTALLATION PIPE HANGER ANGLE BRACKET	E5171-0002-DE	REF'D FROM 697484	
498382	E5171-0071-DB	RIGGING DIAGRAM FOR PLACEMENT OF PRIMARY SHIELDED COLD TRAP	E5171-0002-DE	REF'D FROM 697484	
498383	E5171-0072-DB	RIGGING DIAGRAM FOR SHIELDED NUCLEIC TRAP	E5171-0002-DE	REF'D FROM 697484	
498754	E5171-0092-EE	EBR-II IOC III CONTROL CENTER ARRANGEMENT & ASSEMBLY	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX	
498755	E5171-0093-EE	HEATER CONTROL PANEL WIRING DIAGRAM REPL' W/X-ID-700-14-3C1	NONE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498756	E5171-0094-EE	TEMP & LEAK DETECTOR PANEL WIRING DIAGRAM REPL' W/X-ID-700-14-3C2	NONE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498759	E5171-0095-EE	FLOW & PUMP PANEL WIRING DIAGRAM REPL' W/X-ID-700-16-3C3	NONE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, CANCELED	
498740	E5171-0096-EE	PRESSURE INDICATING PANEL WIRING DIAGRAM REPL' W/X-ID-700-16-3C4	NONE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, CANCELED	
498741	E5171-0097-EE	EBR-II PRIMARY PURIFICATION SYSTEM HEATERS - SQUID STATE RELAY JUNCTION BOX 'RF1' WIRING DIAGRAM	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, FOUND IN EDMS	
498742	E5171-0098-EE	EBR-II PRIMARY PURIFICATION CELL LEAK DETECTOR	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, FOUND IN EDMS	
498743	E5171-0099-EE	EBR-II PRIMARY PURIFICATION SYSTEM THERMOCOUPLE LOCATIONS	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX	
498744	E5171-0100-EE	EBR-II PRIMARY PURIFICATION SYSTEM TRACE HEATER INSTALLATION	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX	
498745	E5171-0101-EE	PRESSURE INDICATING PANEL DETAIL	E5171-0092-EE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498766	E5171-0102-EE	FLOW & PUMP PANEL DETAIL	E5171-0092-EE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498767	E5171-0103-EE	HEATER PANEL DETAIL	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498768	E5171-0104-EE	TEMPERATURE & LEAK DETECTOR PANEL DETAIL	E5171-0092-EE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498769	E5171-0105-ED	CONTROL CENTER FIELD INSTALLATION	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
	E5171-0107-8M				
X	498770	E5171-0107-EE	EBR-II PRIMARY PURIFICATION CELL NO. 2 NUCLEIC TRAP ASSEMBLY	E5171-0002-DE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX
498771	E5171-0108-EE	NO. 2 NUCLEIC TRAP WELDMENT	E5171-0107-EE	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498772	E5171-0109-DC	EBR-II - PPC - FLEXIBLE SHAFT BRACKET COLD TRAP BYPASS	E5171-0002-DE	REF'D FROM 697484	
498773	E5171-0110-DO	PRIMARY SAMPLER HEATER, 1/2 & LEVEL PROBE LAYOUT	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498774	E5171-0111-DO	TRACE HEATER LAYOUT PRIMARY SAMPLING LOOP	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498775	E5171-0112-DO	T/C LAYOUT PRIMARY SAMPLING LOOP	NONE LISTED	PICKED UP REFERENCE FROM EDMS USING 'E5171' PREFIX, ASSIGNED & INACTIVE	
498779	E5171-0114-ED	SHIELD WELDMENT - 3000 CURIE CESIUM TRAP ASSEMBLY	E5171-0014-ED	PICKED UP REFERENCE FROM EDMS USING E5171-0014	
	E5171-0117-8M?				
498780	E5171-0117-ED	SHIELD CAP - 3000 CURIE CESIUM TRAP ASSEMBLY	E5171-0014-ED	PICKED UP REFERENCE FROM EDMS USING E5171-0014	
	E5327-0001-DE				
1	EB-1-23001-F				
1	EB-1-23002-F			THIS DRAWING MAY NOT EXIST. MAY BE 25001 LISTED BELOW	
1	EB-1-23244-D			THIS DRAWING MAY NOT EXIST. MAY BE 25002 LISTED BELOW	
	EB-1-23403-B7?				
	EB-1-25000-B/M				
1	EB-1-25000-D				
1	EB-1-25001-F				
492778	EB-1-25002-F	REACTOR SYSTEM VERTICAL SECTION B-B	EB-1-25000-D		
X	492779	EB-1-25003-F	REACTOR SYSTEM N.W. FLOOR PLAN	EB-1-25000-D	
X	492781	EB-1-25004-F	REACTOR SYSTEM S.E. FLOOR PLAN	EB-1-25000-D	
	492782	EB-1-25005-F		EB-1-25001-F	

1	692780	EB-1-25060-E	INNER BLANKET SUB-ASSEMBLY		
		EB-1-25058-P7			
	692791	EB-1-25058-C	NONE GIVEN	EB-1-25054-E	
	692792	EB-1-25059-C	NONE GIVEN	EB-1-25054-E	
	692793	EB-1-25060-D	NONE GIVEN	EB-1-25054-E	
X	692794	EB-1-25061-D	ELEMENT- OUTER & INNER BLANKET	EB-1-25061-E & 25264-E	
		EB-1-25061-P7		CALLED OUT ON 692794	
	692795	EB-1-25062-A	NONE GIVEN	EB-1-25061-D	
	692797	EB-1-25064-A	NONE GIVEN	EB-1-25061-D (CALLOUT) EB-1-38380-D (EDMS)	
		EB-1-25065-A7		CALLED OUT ON 692794	
X	1	693217	EB-1-25179-F	PRIMARY TANK ASSEMBLY	
X	1	693220	EB-1-25180-F	DETAILS AND SECTIONS FOR PRIMARY TANK ASSEMBLY	
X	1	693221	EB-1-25181	DETAILS AND SECTIONS FOR PRIMARY TANK ASSEMBLY	
X	693222	EB-1-25182-D	NOZZLE SCHEDULE	EB-1-25179-F	
X	693223	EB-1-25183-D	NOZZLE LOCATIONS 5.425	EB-1-25179-F	
X	1	693224	EB-1-25184-D	NOZZLE LOCATIONS 9.70	
X	693225	EB-1-25185-D	NOZZLE LOCATIONS 7.875	EB-1-25179-F	
X	693226	EB-1-25186-D	NOZZLE LOCATIONS 3.375	EB-1-25179-F	
X	693227	EB-1-25187-D	NOZZLE LOCATIONS 11.875	EB-1-25179-F	
1	693228	EB-1-25189-D		REFD ON EB-1-25400	
X	693229	EB-1-25190-D	NOZZLE LOCATIONS 48 X 40	REFD FROM 691522 (UPPER LEFT CORNER, INACTIVE DRAWING, STATUS INDICATES ASSIGNED)	
X	693330	EB-1-25191-D	NOZZLE LOCATIONS 20 X 58	EB-1-25179-F	
X	693331	EB-1-25192-D	NOZZLE LOCATIONS 65	EB-1-25179-F	
X	693332	EB-1-25193-D	NOZZLE LOCATIONS 7.25	EB-1-25179-F	
X	693333	EB-1-25194-D	NOZZLE LOCATIONS 7.5	EB-1-25179-F	
X	1	693334	EB-1-25195-D	NOZZLE LOCATIONS 20.5	
X	693335	EB-1-25196-D	NOZZLE LOCATIONS 13.0	EB-1-25179-F	
X	693336	EB-1-25197-D	NOZZLE LOCATIONS 19.0	EB-1-25179-F	
X	693337	EB-1-25198-D	NOZZLE LOCATIONS 7.75	EB-1-25179-F	
X	693338	EB-1-25199-D	NOZZLE LOCATIONS 13.5	EB-1-25179-F	
X	693340	EB-1-25201-D	NOZZLE LOCATIONS 65	EB-1-25179-F	
1	693341	EB-1-25202-D		EB-1-25208-F	
1	693342	EB-1-25203-D		EB-1-25208-F	
1	693343	EB-1-25204-D		EB-1-25208-F	
1	693344	EB-1-25205-D		EB-1-25208-F	
1	693345	EB-1-25204-D		EB-1-25208-F	
1	693346	EB-1-25207-D		EB-1-25208-F	
X	1	693347	EB-1-25210-F	EBR-II PRIMARY TANK SUPPORT STRUCTURE	
	693349	EB-1-25210-F	EBR-II UPPER SUPPORT STRUCTURE PARTS (ORIENTATION)	EB-1-25208-F	
1	693348	EB-1-25211		REFD FROM SEARCH FOR EB-1-25219, NO TITLE OR DRAWING INFO ON DRAWING	
		EB-1-25219-B/M		NO RECORD IN EDMS	
1	693356	EB-1-25219-F		LISTED ON ORIGINAL DRAWING JUST BUT NOT PROVIDED OR FOUND	
		EB-1-25220-S/M		NO RECORD IN EDMS	
1	693357	EB-1-25220-D		REFD ON EB-1-25219, NO RECORD IN EDMS	
1	693358	EB-1-25222-D		CALLED OUT ON EB-1-25219, NO RECORD IN EDMS	
1	693359	EB-1-25223-D		EB-1-25219-F	
1	693360	EB-1-25224-D		EB-1-25219-F	
1	693361	EB-1-25225-B		EB-1-25219-F	
1	693362	EB-1-25226-B		EB-1-25219-F	
X	1	693364	EB-1-25226-F	HANGER SUB-ASST FOR PRIMARY TANK ASSEMBLY	
X		753780	EB-1-25221-BM	BILL OF MATERIAL	
X		693365	EB-1-25231-F	EBR-II PRIMARY SYSTEM REACTOR INLET PIPING	
X		693367	EB-1-25244-D	NOZZLE LOCATIONS 3.375	
1	693370	EB-1-25247-D		EB-1-25179-F	
	693371	EB-1-25248-F	EBR-II PRIMARY TANK SUPPORT STRUCTURE BOTTOM PLATES	EB-1-25208-F	
X	1	693372	EB-1-25249-D	UPPER SUPPORT STRUCTURE SURVEY PARTS	
	693374	EB-1-25251-F	EBR-II HEAT EXCHANGER	EB-1-25256-F	
		EB-1-25254-B/M		NO RECORD IN EDMS	
1	693376	EB-1-25254-F	SHIELD PLUG AND HEAT EXCHANGER	EB-1-25231-F	
	693377	EB-1-25257-E	EBR-II HEAT EXCHANGER LOWER DIFFUSER	EB-1-25251-F	
	693378	EB-1-25258-D		EB-1-25251-F	
X	1	693380	EB-1-25260-D		EB-1-25179-F
1	693382	EB-1-25264-E	INNER BLANKET SUB-ASSEMBLY	F	
		EB-1-25264-P7			
X	1	693383	EB-1-25264-D		EB-1-25179-F
1	693385	EB-1-25268-D		EB-1-25208-F	
X	1	693389	EB-1-25273-D	SAFETY ROD SUPPORT BEAM	REFD ON EB-1-25210, NO RECORD IN EDMS
		EB-1-25274-B/M		MP	
X	1	693390	EB-1-25274-E	EBR-II AUXILIARY PUMP ASSEMBLY	None Given
1	693390	EB-1-25274-E	EBR-II AUXILIARY PUMP ASSEMBLY	EB-1-27244-E	
1	693391	EB-1-25275-C		REF FROM EB-1-25745-E	
				CALLOUT ON EB-1-25274, NO RECORD IN EDMS	

1	EB-1-25295 B/M			NO RECORD IN EDMS
1	693404	EB-1-25295-F	EB-1-25400-F	CALLED OUT ON EB-1-25400
1	693406	EB-1-25295-F	EB-1-25400-F	REFD ON EB-1-25400
1	693452	EB-1-25344-E	ID-10-11142	ON ORIGINAL DRAWING LIST, NO RECORD IN EDMS
1	EB-1-25359 B/M			NO RECORD IN EDMS
1	693466	EB-1-25359-F	EB-1-25404-D	CALLED OUT ON EB-1-25400
1	EB-1-25381 B/M			NO RECORD IN EDMS
1	693902	EB-1-25381-F	EB-1-25400-F	CALLED OUT ON EB-1-25400
1	EB-1-25394 B/M			NO RECORD IN EDMS
1	693915	EB-1-25394-C	EB-1-25400-F	CALLED OUT ON EB-1-25400
1	EB-1-25399 B/M			NO RECORD IN EDMS
1	693918	EB-1-25399-F	EB-1-25400-F	CALLED OUT ON EB-1-25400
1	EB-1-25400 B/M			NO RECORD IN EDMS
1	693919	EB-1-25400-F	EB-1-25902-F	NO RECORD IN EDMS
X	769770	EB-1-25400-F	EB-1-25902-F	REFD VIA EDMS SEARCH FOR EB-1-25400
1	EB-1-25404 B/M			NO RECORD IN EDMS
1	693922	EB-1-25404-D	EB-1-25400-F	CALLED OUT ON EB-1-25399
1	EB-1-25414 B/M			NO RECORD IN EDMS
1	693934	EB-1-25414-F	EB-1-25901-F	EBR-II NEUTRON SHIELDING
X	693935	EB-1-25418-D	EB-1-25414-F	NEUTRON SHIELDING INNER ENCLOSURE
1	693936	EB-1-25419-E	EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	693937	EB-1-25420-D	EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	693938	EB-1-25421-D	EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	693948	EB-1-25434-F	EB-1-25275-C	
1	693949	EB-1-25437-C	EB-1-25274-E	
X	693958	EB-1-25438-C	EB-1-25219-F	INSULATION BELLows
1	693951	EB-1-25439-C	EB-1-25219-F	
1	693953	EB-1-25441-D	EB-1-25400-F	CALLED OUT ON EB-1-25399
1	EB-1-25442 B/M			NO RECORD IN EDMS
1	693954	EB-1-25442-E	EB-1-25400-F	
1	693955	EB-1-25446-E	EB-1-25179-F	
X	693960	EB-1-25457-D	EB-1-25181-F	SHIELDING PLATES ASSY
X	693961	EB-1-25458-D	EB-1-25184-D	NOZZLE 9.75
X	693962	EB-1-25459-D	EB-1-25183-D	NOZZLE 5.425
X	693963	EB-1-25460-D	EB-1-25185-D	NOZZLE 7.875
X	693964	EB-1-25461-D	EB-1-25193-D	NOZZLE 7.25
X	693965	EB-1-25462-D	EB-1-25192-D	NOZZLE 20.0
X	693966	EB-1-25463-D	EB-1-25194-D	NOZZLE 13.0
X	693967	EB-1-25464-D	EB-1-25197-D	NOZZLE 19.0
X	693968	EB-1-25465-D	EB-1-25190-D	NOZZLE 4B X 4B
X	693969	EB-1-25466-D	EB-1-25198-D	NOZZLE 7.75
X	693970	EB-1-25467-D	EB-1-25199-D	NOZZLE 13.5
X	693971	EB-1-25468-D	EB-1-25194-D	NOZZLE 7.5
X	693973	EB-1-25470-D	EB-1-25191-D	NOZZLE 20 X 5B
X	693974	EB-1-25471-D	EB-1-25201-D	NOZZLE 65
X	693975	EB-1-25472-D	EB-1-25192-D	NOZZLE 65
X	693977	EB-1-25474-D	EB-1-25187-D	NOZZLE 11.875
X	693978	EB-1-25475-D	EB-1-25184-D	NOZZLE 3.375
X	693979	EB-1-25476-D	EB-1-25244-D	NOZZLE 3.375
X	693980	EB-1-25477-D	EB-1-25400-F	
1	693987	EB-1-25484-B	EB-1-25949-F	
1	694047	EB-1-25557-D	EB-1-25745-E	
1	694049	EB-1-25559-F	EB-1-25745-E	
1	694374	EB-1-25564-F	EB-1-25745-E	
1	694376	EB-1-25566-F	EB-1-25745-E	
1	694378	EB-1-25570-E	EB-1-25745-E	
1	694380	EB-1-25572-D	EB-1-25475-E	
1	EB-1-25573 B/M			NO RECORD IN EDMS
1	694381	EB-1-25573-D	EB-1-27249-D	
1	694396	EB-1-25592-D	EB-1-25185-D	NOZZLE PLUG ASSY
X	694436	EB-1-25648-A	EB-1-25061-D	INNER & OUTER BLANKET PIN
X	694439	EB-1-25653-D	EB-1-25745-E	SODIUM PURIFICATION NOZZLE PLUG #3 FOR PRIMARY TANK HKF EQUIPT #R1-X275
1	694440	EB-1-25654-B	EB-1-25653-F	
1	694445	EB-1-25659-F	EB-1-25654-D	
X	1	694514	EB-1-25745-E	PRIMARY TANK NOZZLE PLUG LOCATION
X	694888	EB-1-25812-F	EB-1-25901-E	SUBASSEMBLY REACTOR VESSEL GRID
		EB-1-25847-B/M		NO RECORD IN EDMS
		EB-1-25847-D	EB-1-25231-F	CALLED OUT ON EB-1-25231, NO RECORD IN EDMS
1	694960	EB-1-25916-E	EB-1-25246-D	
		695005	EB-1-25916-E	EBR-II ROD SUBASSEMBLIES (DIMENSION COMPARISON)
		EB-1-25961-PLT	NONE	NEXT LEVEL ASSEMBLY FROM 704825

1	EB-1-25974				
	695374	EB-1-24021-B	NONE GIVEN	EB-1-25264-E	REFD FROM 692790
		EB-1-24050-B/M			NO RECORD IN EDMS
X	695402	EB-1-24050-E	EBR-II PRIMARY SYSTEM REACTOR OUTLET PIPING	EB-1-25231-F	CALLED OUT ON EB-1-25231
X	695451	EB-1-26111-E	REACTOR VESSEL SHELL EBR II		CALLED OUT ON EB-1-27312
	697202	EB-1-26761-E	NONE GIVEN	EB-1-25231-F	NEXT LEVEL ASSEMBLY FROM 691522
		EB-1-26761-PL7			
1		EB-1-26800-B/M			NO RECORD IN EDMS
X	697237	EB-1-26800-E	ASSEMBLY REACTOR	EB-1-25001-F	REFD ON EB-1-25416
X	698065	EB-1-27179-E	EBR II PRIMARY SYSTEM REACTOR INLET PIPING SUPPORT	EB-1-25231-F	CALLED OUT ON EB-1-25231
	698066	EB-1-27180-C			NONE LISTED
	698067	EB-1-27181-B		EB-1-27179-E	CALLED OUT ON EB-1-27179, NO RECORD IN EDMS
	698068	EB-1-27182-B		EB-1-27179-E	CALLED OUT ON EB-1-27179, NO RECORD IN EDMS
	698069	EB-1-27183-B		EB-1-27179-E	CALLED OUT ON EB-1-27179, NO RECORD IN EDMS
	698070	EB-1-27184-B		EB-1-27179-E	CALLED OUT ON EB-1-27179, NO RECORD IN EDMS
1	698113	EB-1-27235-C		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
	698115	EB-1-27237-A		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
	698116	EB-1-27238-A		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
	698117	EB-1-27239-A		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
	698118	EB-1-27240-C		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
	698119	EB-1-27241-C		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
	698120	EB-1-27242-C		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
		EB-1-27243-B/M			
	698121	EB-1-27243-C		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
1		EB-1-27244-B/M			
X	774175	EB-1-27244-E	INSTRUMENTATION SENSORS FOR PRIMARY SODIUM LOOP EBR-II REACTOR OUTLET PIPING	EB-1-24050-E	CALLED OUT ON EB-1-24050
	698122	EB-1-27244-E		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
	698123	EB-1-27245-C		EB-1-27244-E	CALLED OUT ON EB-1-27244, NO RECORD IN EDMS
	698124	EB-1-27246-B/M		EB-1-24050-E	CALLED OUT ON EB-1-24050, NO RECORD IN EDMS
1	698125	EB-1-27247-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1		EB-1-27249-B/M			NO RECORD IN EDMS
X	698127	EB-1-27249-D	SEAL SHAFT ASSEMBLY THROTTLE VALVE	EB-1-25231-F	CALLED OUT ON EB-1-25231
1	698128	EB-1-27250-A		EB-1-27249-D	CALLED OUT ON EB-1-27249, NO RECORD IN EDMS
1	698129	EB-1-27251-A		EB-1-27249-D	CALLED OUT ON EB-1-27249, NO RECORD IN EDMS
1	698130	EB-1-27252-B		EB-1-27249-D	CALLED OUT ON EB-1-27249, NO RECORD IN EDMS
1	698131	EB-1-27253-B		EB-1-27249-D	CALLED OUT ON EB-1-27249, NO RECORD IN EDMS
1		EB-1-27253-B/M			NO RECORD IN EDMS
1		EB-1-27255-B/M			NO RECORD IN EDMS
1	698133	EB-1-27255-C		EB-1-27249-D	CALLED OUT ON EB-1-27249, NO RECORD IN EDMS
1	698172	EB-1-27300-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698173	EB-1-27301-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698432	EB-1-27302-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698433	EB-1-27303-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698434	EB-1-27304-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698435	EB-1-27305-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698436	EB-1-27306-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698437	EB-1-27307-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698438	EB-1-27308-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698439	EB-1-27309-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698440	EB-1-27310-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1	698441	EB-1-27311-D		EB-1-25414-F	CALLED OUT ON EB-1-25414, NO RECORD IN EDMS
1		EB-1-27312-B/M			NO RECORD IN EDMS
X	698442	EB-1-27312-E	PRESSURE AND TEMPERATURE INSTRUMENTS - EBR-II VESSEL	EB-1-25415-F	CALLED OUT ON EB-1-25415
1	698443	EB-1-27313-B		EB-1-25415-F	CALLED OUT ON EB-1-25415, NO RECORD IN EDMS
1	691522	EB-1-27564-D	EBR-II PRIMARY SYSTEM FLOW AND PRESSURE SENSING INSTALLATION	EB-1-25761-F	DRAWING MAY NEED TO SEE ORIGINALS FOR DETAILS AND TRANSCRIBE INFO
		EB-1-27564-PL7			
	691523	EB-1-27565-B	NO TITLE GIVEN	EB-1-27564-D	CALLED OUT ON 691522, INACTIVE DRAWING, STATUS INDICATED ASSIGNED
1	691926	EB-1-27679-B		EB-1-25274-E	CALLOUT ON EB-1-25274, NO RECORD IN EDMS
	691934	EB-1-27689-F	BLANKET REGION CORE	EB-1-25911-E	LISTED ON ORIGINAL DRAWING LIST FROM BEA, NO RECORD IN EDMS
1	692049	EB-1-27804-B		EB-1-25274-E	
1	692460	EB-1-27954-C		EB-1-25400-F	CALLED OUT ON EB-1-25400
1		EB-1-27955-B/M			NO RECORD IN EDMS
1	692461	EB-1-27955-C		EB-1-25400-F	CALLED OUT ON EB-1-25400
1		EB-1-27954-B/M			NO RECORD IN EDMS
1	692462	EB-1-27954-C		EB-1-25400-F	CALLED OUT ON EB-1-25400
1	692463	EB-1-27957-B		EB-1-25400-F	CALLED OUT ON EB-1-25400
1		EB-1-27957-B/M			NO RECORD IN EDMS
1	692464	EB-1-27958-B		EB-1-25400-F	CALLED OUT ON EB-1-25400
1		EB-1-27958-B/M			NO RECORD IN EDMS

1	692474	EB-1-27971-D		EB-1-25208-F			
	692489	EB-1-27955-E		EB-1-25004-F	CALLOUT ON EB-1-25003 & 25004, NO RECORD IN EDMS		
	693022	EB-1-28334-F		EB-1-25004-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
4		EB-1-28430-E			CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
	693540	EB-1-28432-B		EB-1-38019-D	NEXT LEVEL ASSEMBLY FROM EB-1-28432, NO RECORD IN EDMS		
	693541	EB-1-28433 SURGE TANK		EB-1-28432-E	REFD ON EB-1-25004, NO RECORD IN EDMS		
	693549	EB-1-28441-D		EB-1-25004-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
4	693549	EB-1-28441-E		EB-1-25004-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
1	693616	EB-1-28515-B		EB-1-25438-C	CALLED OUT ON EB-1-24050		
1	693617	EB-1-28516-C		EB-1-25438-C	CALLED OUT ON EB-1-24050		
1		EB-1-28734 B/M			NO RECORD IN EDMS		
1		EB-1-28734-E			CALLED OUT ON EB-1-25400		
1	694460	EB-1-28807-B		EB-1-25400-F			
	694633	EB-1-28857-E		EB-1-28887-E	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
	694638	EB-1-28862-A		EB-1-28857-E	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
1	694652	EB-1-28878-C		EB-1-27249-D	CALLED OUT ON EB-1-27249, NO RECORD IN EDMS		
1	694653	EB-1-28879-B		EB-1-27249-D	CALLED OUT ON EB-1-27249, NO RECORD IN EDMS		
1	694655	EB-1-28881-B		EB-1-25274-E			
	694661	EB-1-28887-E		EB-1-25003-F	CALLOUT ON EB-1-25003, NO RECORD IN EDMS		
1	695040	EB-1-28950-A		EB-1-25274-E			
1	695059	EB-1-28972-B		EB-1-25274-F			
1	695099	EB-1-29020-F		EB-1-29049-E			
X	695138	EB-1-29049-E PRIMARY TANK COVER, PLUG-NOZZLE-INSTRUMENT ARRANGEMENT		EB-1-38002-F			
1	695135	EB-1-29054-B		EB-1-25400-F			
1	695136	EB-1-29057-E		EB-1-25400-F	CALLED OUT ON EB-1-25400		
	695603	EB-1-29242-A		EB-1-25400-F	CALLED OUT ON EB-1-25400		
	694045	EB-1-29367-E		EB-1-25004-F	CALLOUT ON EB-1-27244, NO RECORD IN EDMS		
1	694868	EB-1-29455-D FUEL RUPTURE DETECTOR PIPING		EB-1-25002-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
1	694887	EB-1-29462-E SECONDARY SODIUM SYSTEM		EB-1-25000-D			
	694887	EB-1-29462-E		EB-1-25003-F	CALLOUT ON EB-1-25003, NO RECORD IN EDMS		
4	697345	EB-1-29985-E		EB-1-25004-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
4	697346	EB-1-29987-E		EB-1-25004-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
4	697347	EB-1-29988-E		EB-1-25004-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
4	697348	EB-1-29989-F		EB-1-25004-F	CALLOUT ON EB-1-25004, NO RECORD IN EDMS		
1	697720	EB-1-29998		EB-1-25179-F			
1	697720	EB-1-29998-E PRIMARY TANK THERMAL SHIELD AND FLOW RAFFLE		EB-1-35179-F			
1	699426	EB-1-38009		EB-1-25416-F	CALLED OUT ON EB-1-25416, NO RECORD IN EDMS		
	EB-1-38019				NEXT LEVEL ASSEMBLY FROM EB-1-28432, CALLOUT ON EB-1-25003, NOTHING FOUND IN EDMS		
698296	EB-1-38046-D			EB-1-25004-F	CALLED OUT ON EB-1-25004, NO RECORD IN EDMS		
	EB-1-38281-E				NEXT LEVEL ASSEMBLY FROM 691701		
	EB-1-38281-PL7						
691701	EB-1-38380-D	NONE GIVEN		EB-1-38281-E	NEXT LEVEL ASSEMBLY FROM 692797		
	EB-1-38380-PL7						
693718	EB-1-39081-F	NONE GIVEN		NONE	NEXT LEVEL ASSEMBLY FROM 704821, INACTIVE DRAWING, STATUS INDICATES ASSIGNED		
703386	EB-1-51020-F	NONE GIVEN		NONE	NEXT LEVEL ASSEMBLY FROM 704821, INACTIVE DRAWING, STATUS INDICATES ASSIGNED		
703466	EB-1-51108-D	NONE GIVEN		NONE	NEXT LEVEL ASSEMBLY FROM 703467		
	EB-1-51108-PL7						
703467	EB-1-51109-D	NONE GIVEN		EB-1-51108-D	NEXT LEVEL ASSEMBLY FROM 703468		
	EB-1-51109-PL7						
703469	EB-1-51110-E	NONE GIVEN		EB-1-25056-E (CALLOUT) EB-1-54246-E (EDMS)	CALLED OUT ON 692794, INACTIVE DRAWINGS, STATUS INDICATED ASSIGNED		
703468	EB-1-51110-C	NONE GIVEN		EB-1-25056-E (CALLOUT) EB-1-51109-D (EDMS)	CALLED OUT ON 692794, INACTIVE DRAWINGS, STATUS INDICATED ASSIGNED		
	EB-1-51110-PL7						
704806	EB-1-51513-C	NONE GIVEN		EB-1-25054-E (CALLOUT) EB-1-51536-D (EDMS)	CALLED OUT ON 692790, INACTIVE DRAWINGS, STATUS INDICATED ASSIGNED		
704817	EB-1-51524-D	NONE GIVEN		EB-1-51524-C	REFD FROM 704819		
X	704819	EB-1-51524-C JACKET MARK I-A - 18"		EB-1-51528-C	REFD FROM 704821		
X	704820	EB-1-51527-C RESTRAINER MARK I-A		EB-1-51528-C	REFD FROM 704821		
X	704821	EB-1-51528-C FUEL ELEMENT MARK I-A		EB-1-51532-E	PICKED UP REFERENCE FROM EDMS		
	EB-1-51528-PL7						
X	704822	EB-1-51529-B PIN-FUEL MARK I-A		EB-1-51528-C	REFD FROM 704821		
X	704825	EB-1-51532-E NONE GIVEN		EB-1-25911-E	NEXT LEVEL ASSEMBLY FROM 704829		
	EB-1-51532-PL7						
704829	EB-1-51534-D	NONE GIVEN		EB-1-51532-E	NEXT LEVEL ASSEMBLY FROM 704806		
	EB-1-51534-PL7						
699382	EB-1-51682-E	NONE GIVEN		EB-1-25911-E	NEXT LEVEL ASSEMBLY FROM 704821		
	EB-1-51682-PL7						
699800	EB-1-51801-F	NONE GIVEN		EB-1-25911-E	NEXT LEVEL ASSEMBLY FROM 704821		
	EB-1-51801-PL7						
699801	EB-1-51802-F	NONE GIVEN		EB-1-25911-E	NEXT LEVEL ASSEMBLY FROM 704821		
	EB-1-51802-PL7						
699703	EB-1-52052-F	NONE GIVEN		EB-1-25061-E	NEXT LEVEL ASSEMBLY FROM 704821		
	EB-1-52052-PL7						

- = INTL HANDED OVER HARD COPY DRAWINGS
- = NO DOCUMENT FOUND BUT NUMBER IS REFERENCED ON OTHER DRAWINGS
- = RECORD NUMBER EXISTS BUT NO DOCUMENT FOUND
- = REFERENCE FOUND VIA HANDED OVER DRAWINGS, DOCUMENT FOUND ON EDMs
- = ILLIGIBLE DRAWING, NEED BETTER COPY OR TRANSCRIBED ORIGINAL
- = REFERENCES FOUND, CURRENTLY RESEARCHING
- = FLAGGED TO REVISIT FOR ADDITIONAL REFERENCES
- = DON'T BELIEVE NEEDED, DO NOT RETRIEVE

## 5. EBR-II DRAWING EXAMPLES

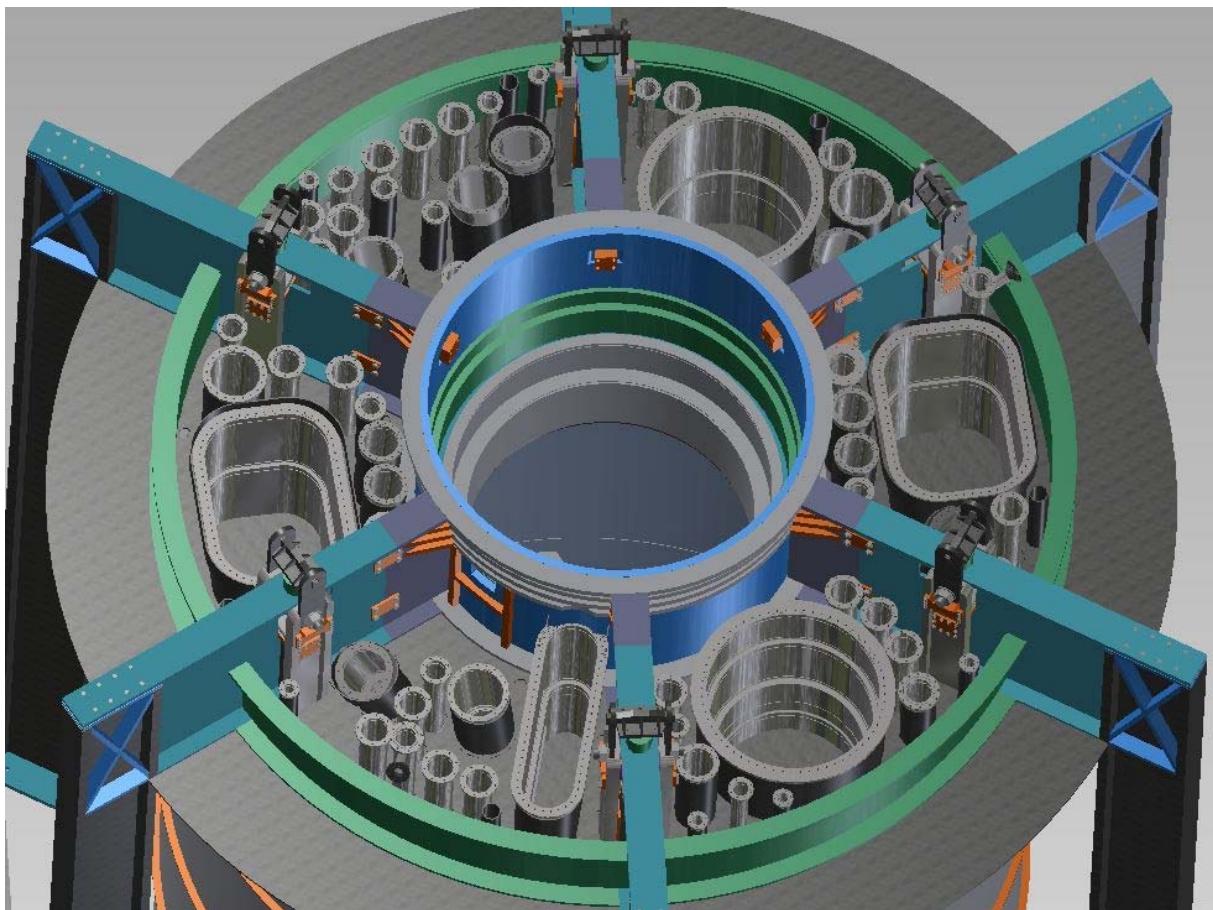
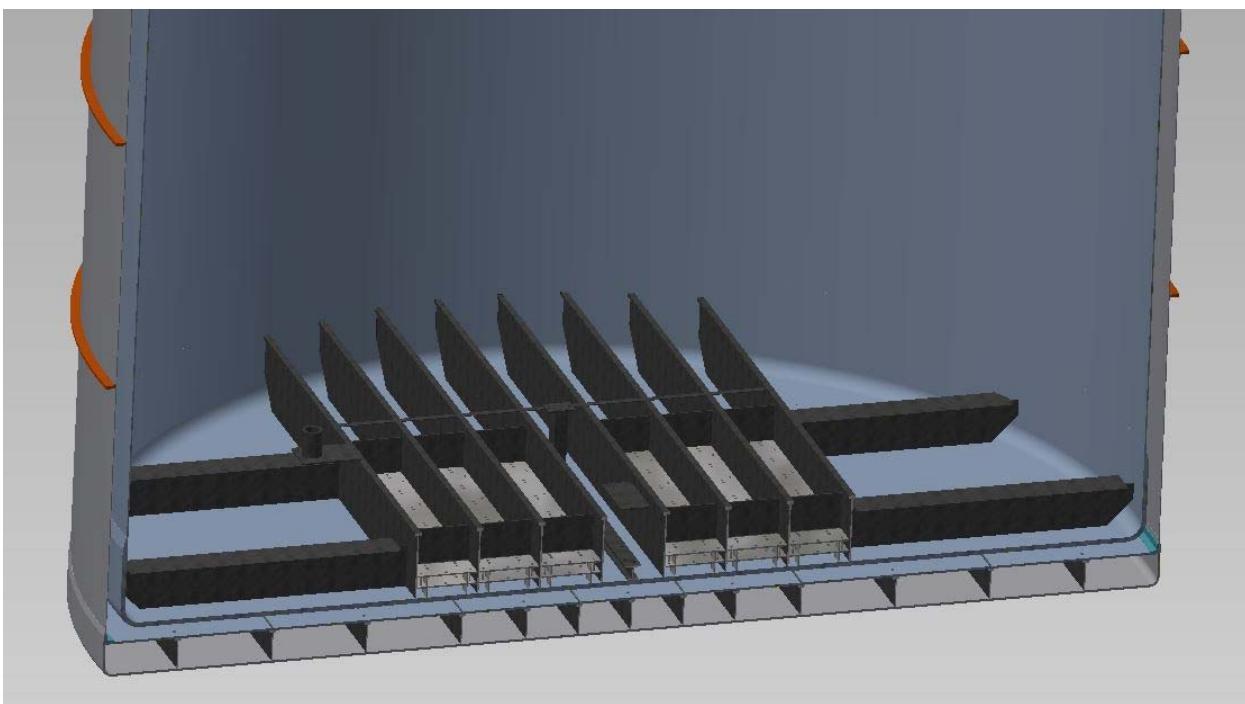


Figure 2: EBR-II Primary Tank



Figure 3: EBR-II Primary Tank Support



**Figure 4: Primary EBR-II Tank Support Structure**

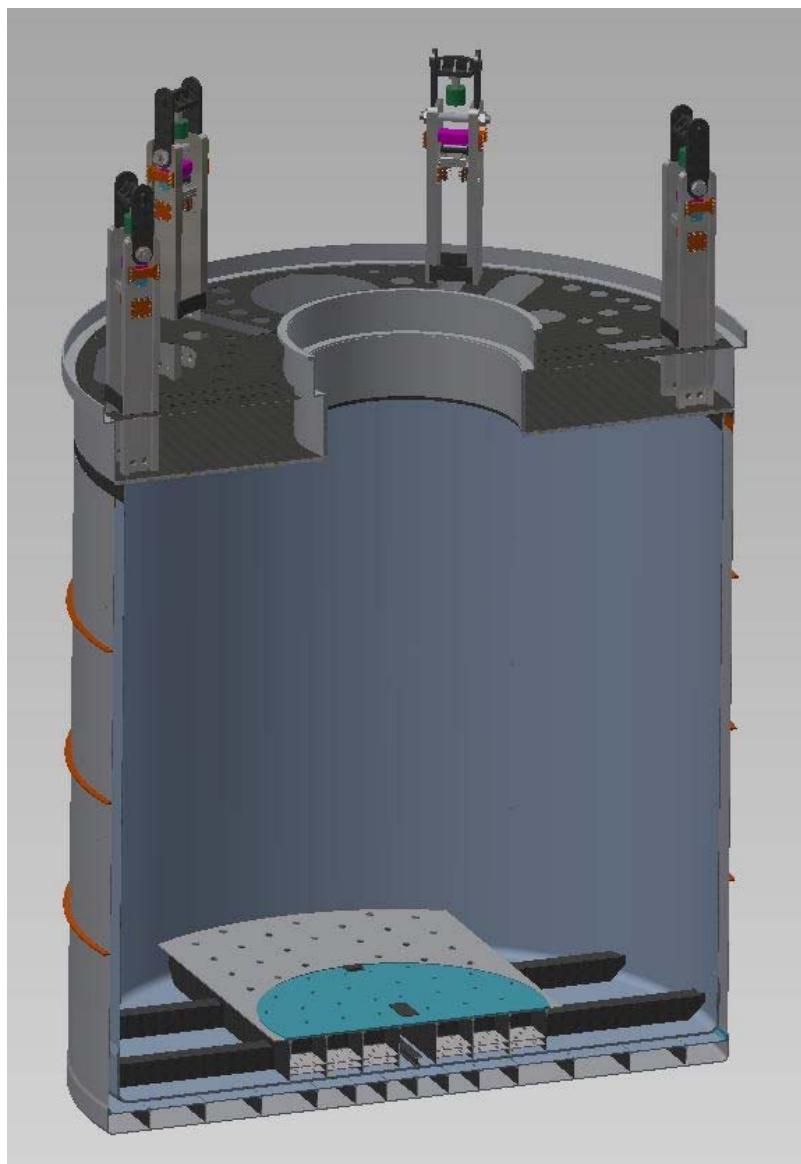


Figure 5: EBR-II Primary Tank

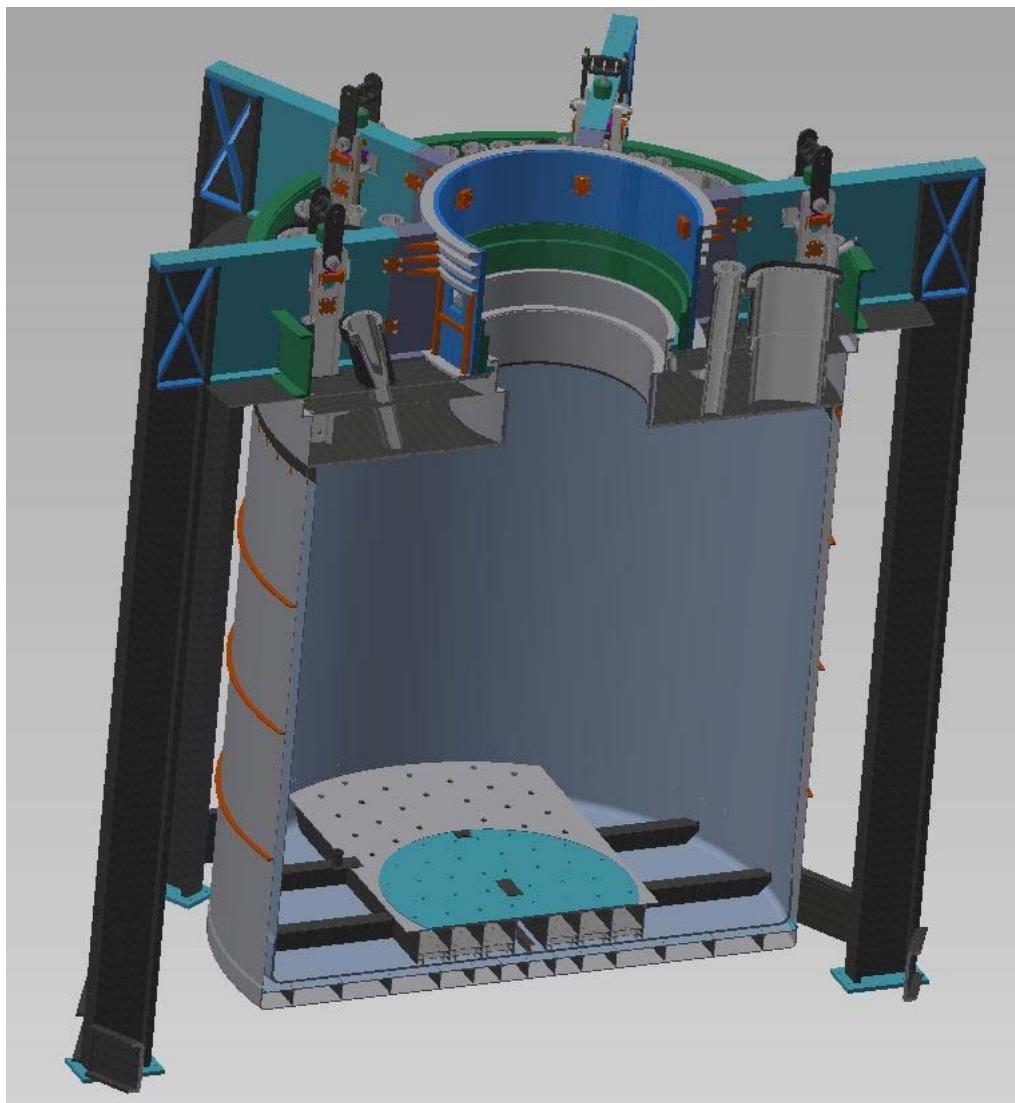


Figure 6: Cut away of EBR-II primary tank and support

## Appendix A

### File Sharing Via Google Drive

Idaho National Laboratory Mail - TREAT digitized drawing files

9/26/15, 4:49 PM



Rabiti, Cristian <cristian.rabiti@inl.gov>

#### TREAT digitized drawing files

4 messages

**Griffith, George W** <george.griffith@inl.gov>  
To: Shawn R Jensen <shawn.jensen@inl.gov>  
Cc: Lexie J Byrd <lexie.byrd@inl.gov>, Cristian Rabiti <cristian.rabiti@inl.gov>, Brad Couch <brad.couch@inl.gov>

Fri, Sep 25, 2015 at 8:30 AM

Shawn:

Here, on drive because of the size, is a snapshot of where the TREAT digitization project for you to see..I've included the files in their structure.Inside the file folder is a top level structure that rolls up all the supporting drawings.

Let me know if there are questions.

Thanks  
George

[coffin.zip](#)

[reactor.zip](#)

Figure 7: Sharing of the TREAT drawing with the Engineering team via google drive