

Category	Document	EDMS	File Name	Description
Design Documents	TDR Chapter	2149175	HVS Chapter in DUNE TDR Vol 4 arXiv 2002.03010.pdf	Chapter 3: High Voltage System only
	Design Updates	2369981	DUNE TDR Vol 4 arXiv 2002.03010.pdf	DUNE Technical Design Report, Volume 4: DUNE FD SP Technology
			Summary of HVS Design Changes 101122.pdf	Highlights of design changes from the official TDR
		DUNE SP HVS TDR Updates 10-11-2022.pdf	An updated Chapter 3 with all new design, construction, and installation information included. This file can be viewed as a drop in replacement for the original Ch. 3 in the TDR.	
	Grounding & Shielding Plan	2373456	DUNE FD1 HVS Grounding v1.2.docx	Description of the HVS grounding implementation. Feedback from the G&S committee included.
	Mechanical CAD Model for Sub-system	2144461	DFD-13-6000_092122.stp	Latest release of the HV system 3D model (inside the cryostat). The PD diffusers in the model are for position reference only (design is being revised by PDS).
		2782012	DFD-20-1000_REV_01.stp	CPA assembly frame model
		2786834	DFD-20-5210.stp	CPA lifting tool model
		2786836	DFD-21-3160.stp	TBFC deployment tool
		2787710	DFD-21-2300-v2.stp	TBFC assembly table model
		2786837	DFD-22-5180_Installing.stp	EWFC installation tools. Linked to this document are a collection of small assembly tools
		2787665	DFD-22-7205.stp	EWFC assembly table
		2787674	DFD-22-7209.stp	FC profile bending tool
	Mechanical Engineering Drawings for parts and assemblies	2787676	DFD-22-7206.stp	EWFC storage cart
		2633163	DFD-13_090922.pdf	Top level HVS assembly drawings
		2633164	DFD_CPA_092522.pdf	CPA drawing package
		2633165	DFD_EW_092522.pdf	EWFC drawing package
		2633166	DFD_FC_092522.pdf	TBFC drawing package
		2593486	various files	HVFT drawing package
		2595685	various files	Ripple filter drawing package
		2782007	various	Shipping crate designs for CPA, FC profiles, FC beams
		2782012	DFD-20-1000_Combined.pdf	CPA assembly frame drawing package
		2786837	linked subdocuments	A collection of tools used for EWFC assembly. Drawings and step files.
	Electrical Schematics & Board Layouts	2781277	2144463	Resistive divider board package
			2144464	FC termination board package
			2144465	Frame boards package
			2380697	Warm filter board package (not in HVS scope)
		2604487	Camera heater PCB package	
Specification of Electrical Cabling and Wiring Connections		2380734	FD1-HD-HV_delivery_exterior.docx	Electrical connections outside of the cryostat
		DUNE-SP-HVS-connections-interior.pdf	Electrical connections inside of the cryostat	
	2589622	various files	Cable and wires specifications	
Bills of Materials for Electronic Board Components	2781277	various files	BOMs are included in either schematics or PCB packages	
Documentation Links for Commercial, Off-the-Shelf	2761215	NI-9220-digitizer-product-info.zip	Ground plane digitizer information	
	2761214	various files	HVPS information	
Requirements Documents	EB-Held Requirements	2346091	Far_Detector_EB_held_specifications_15June2021.xlsx	
	TB-Held Requirements	2346092	Far-Detector-SP-Consortium-held-specifications-12jun2020-update28sep2020.xlsx	
	Consortium-held Requirements	2319150	DUNE SP FD HVS Requirements v1.xlsx	
Installation Documents	Detector Installation Plan	2233449	FD1-HD Installation Plan 9 Aug 2022(v5).docx	
Interface Documents	Consortium-Consortium	2088738	2088738_DID_HVS_APA_v4.1.docx	HVS to APA ICD
		2088706	2088706_DID_SP-TPC_JT-HV_v4.1.docx	ICD with TPC electronics
		2145142	2145142_DID_SP-CALCI_SP-HV_v2.8.docx	ICD with CALCI
		2088721	2088721_DID_JT-HV_SP-PDS_V2.3.docx	ICD with PDS
		2145150	2145150_DID_JT-COM_JT-HV-v2.docx	ICD with Computing
	Consortium-Installation	2145184	ICD_JT_HV_Installation_R2_v6.docx	These documents are to be consolidated into a single documents with I&I in the near future
	Consortium-DSS	2339392	2022-05-18-FD1-DSS interfaces and requirements.docx	
Consortium-Facilities	2145170	HVS to Facilities Interfaces v1.docx		
Interface Drawings			interface drawings are stored with the corresponding ICDS	
Engineering Analysis Documents	Analysis Plan	2520669	Analysis plan EDMS 2520669 v1.docx	
	Structural Analysis Note(s)	2579744	various files	the HVS safety analysis file package
	Independent Review Report(s)			expected from CO
QA/QC Documents	Preliminary QA/QC Plan	2144470	HVS QA QC Plan 28Jun2022.docx	
	ProtoDUNE Lessons-Learned	2369999	various files	Lessons learnt from various stages of the ProtoDUNE I run, Ash River, ProtoDUNE II installation
		2369991	DUNE FD1 HVS Procurement Plan Oct-10-2022.docx	Procurement plan
	Preliminary Manufacturing and Procurement Plan		DUNE HVS Manufacturing Plan June 28 2022.docx	Manufacturing plan
			HV-Crates-ver1.1.docx	Shipping plan
			DUNE-US FD1-HVS Spares Plan-19Apr2022.docx	Spares plan
	Plan for Prototyping Activities	2369992	FD1-HD-HVS_prototyping.docx	
	Fabrication, Inspection, and Test Procedures	2144467	CPAProdProcedures062922.docx	CPA procedures
		2144468	SPFC-Module-Assembly-Procedure(2).docx	TBFC procedures
		2144469	220803_FC-endwall-QAQC-Procedures-ver1.pdf	EWFC procedures
Fabrication, Inspection, and Test Forms (Travelers, Test Reports, and Inspection Reports)	2761216	various files	checklists exported from the mobile App	
Cost/Schedule Documents	Cost Estimate	2742508	FD1 HV Cost Book for FDR.xlsx	FD1 HVS cost book
	Insitutional Responsibilities		BOE_Report-131.FDC.02.03_July-2022.xlsx	FD1 HVS BOE file
			DUNE-Multi Institutional MOU-ANNEX-10_v3.6a-Jan-2022.docx	
	Schedule Summary		Yu-CD1RR-FDC Breakout-FD1-2-HVS_v1.pptx	CD1RR presentation for HVS
Tracking Documents	Responses to Past Review Recommendations	2742506	Responses to HVS Recommendations Sharepoint 2022-08-26.xlsx	
	Review Office Report on Responses to Past Reviews	2774172	Technical_Coordinator_FD1_HVS_PDR_Closeout.docx	