

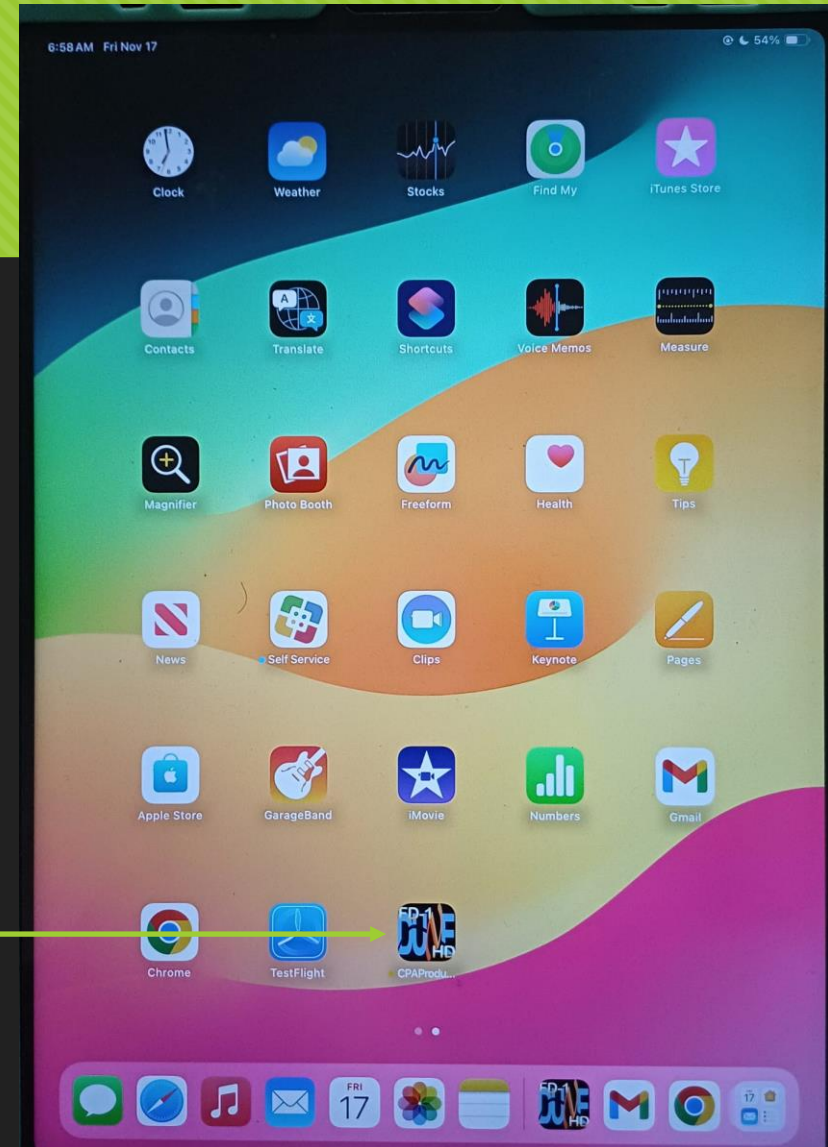
# DUNE –HWDB APP

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# THE APP

USED TO DOCUMENT PROFILES

(All profiles processed at UTA needs to be updated to the HWDB app)



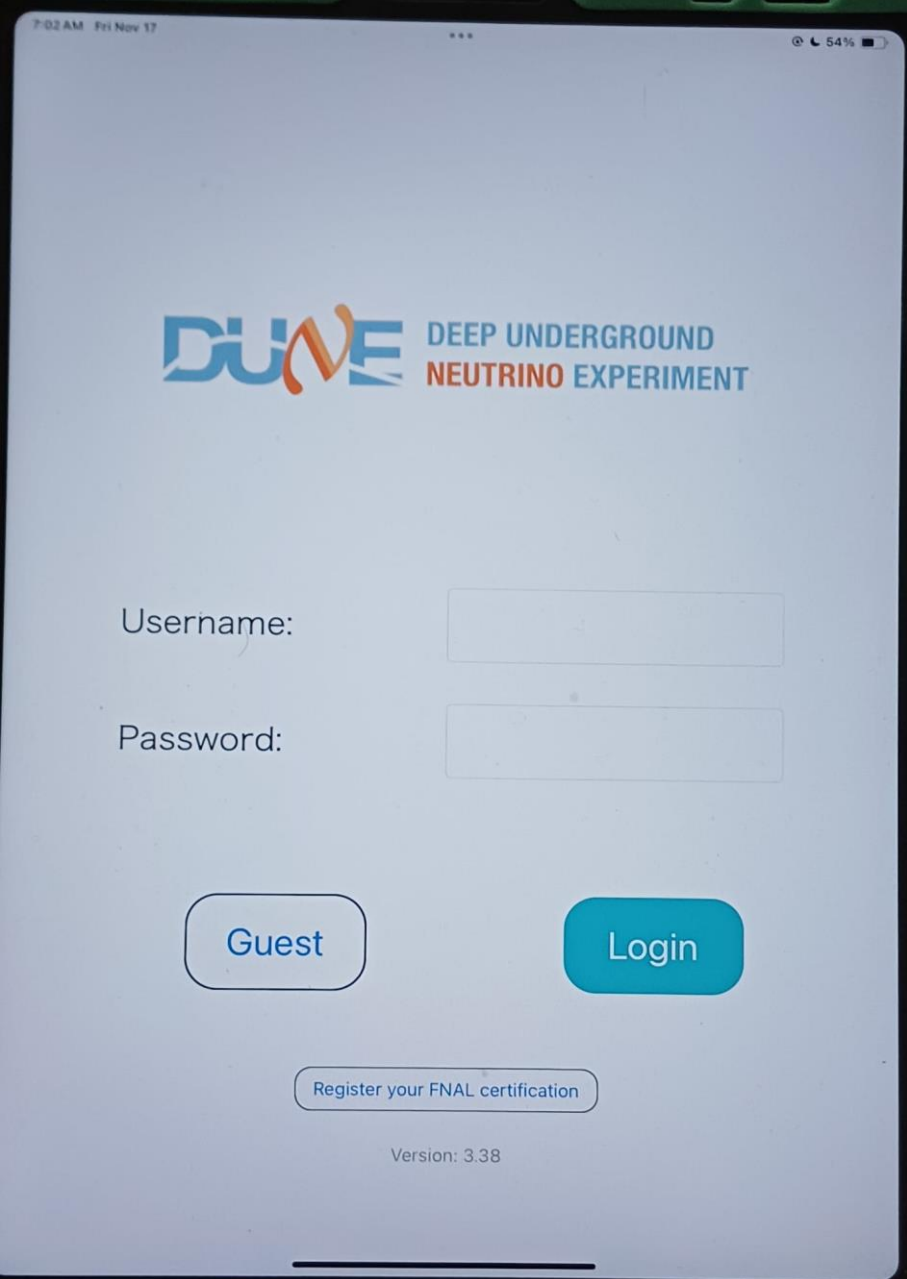
# LOGIN

Login using your username and password

- To create login- FNAL account required

or

Login via guest account

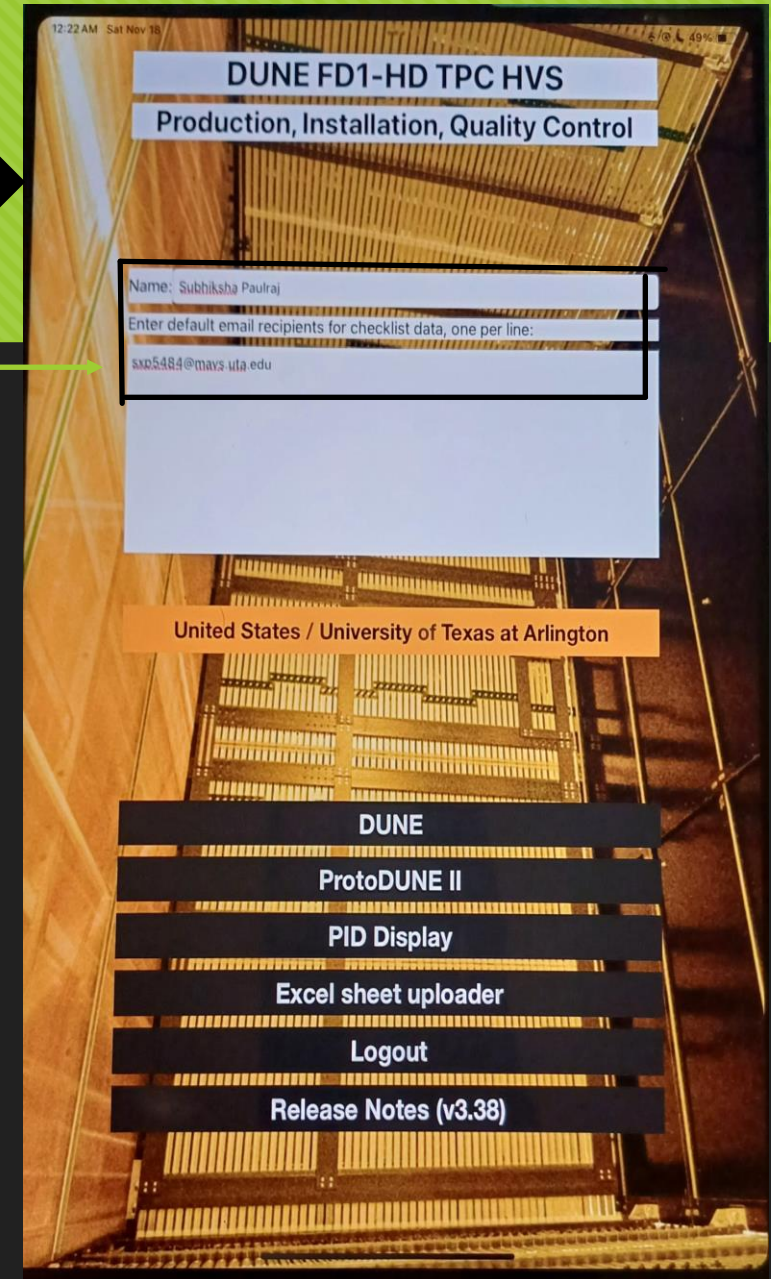
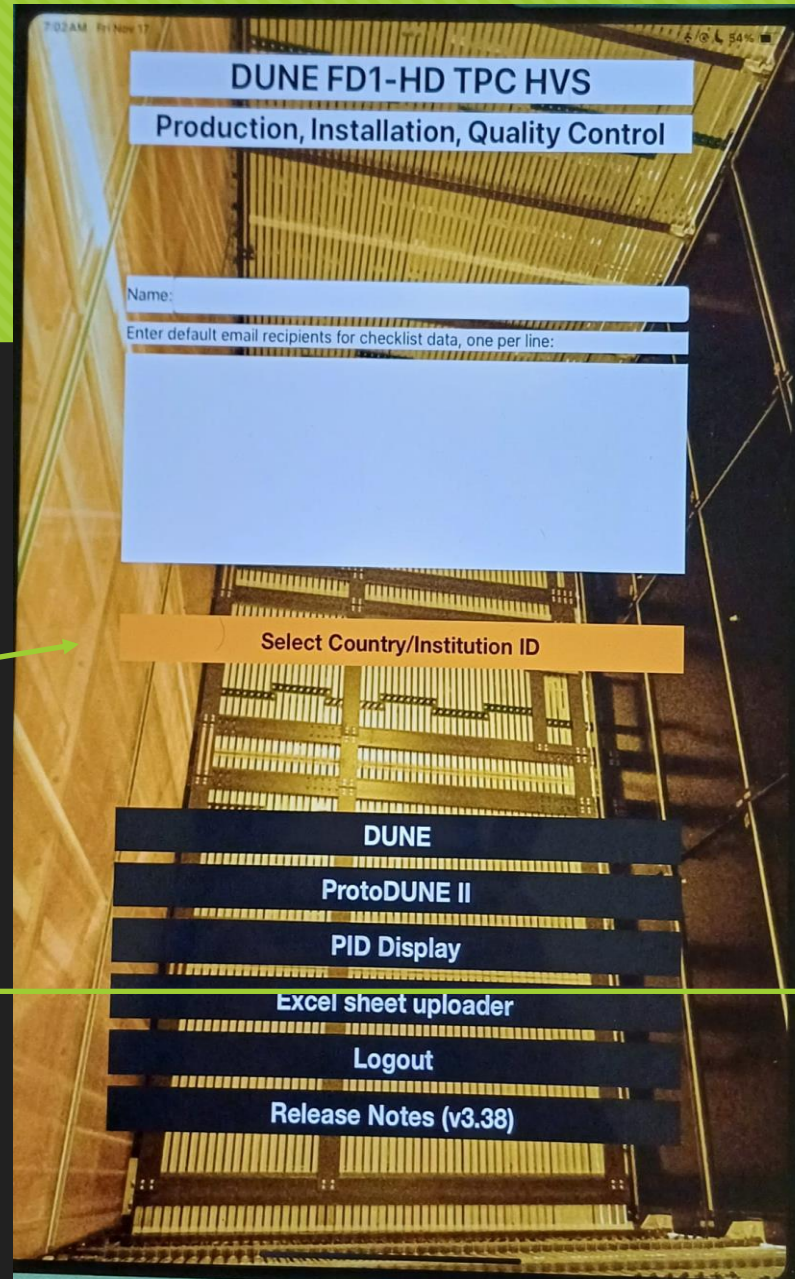


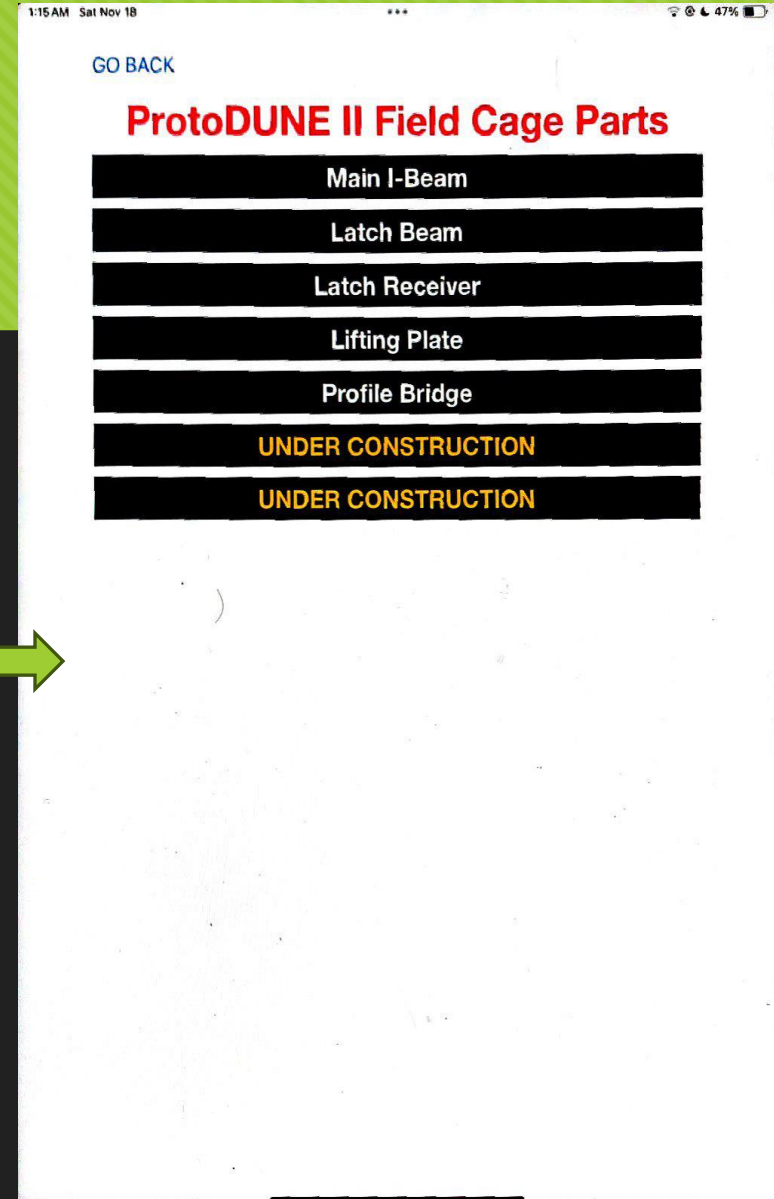
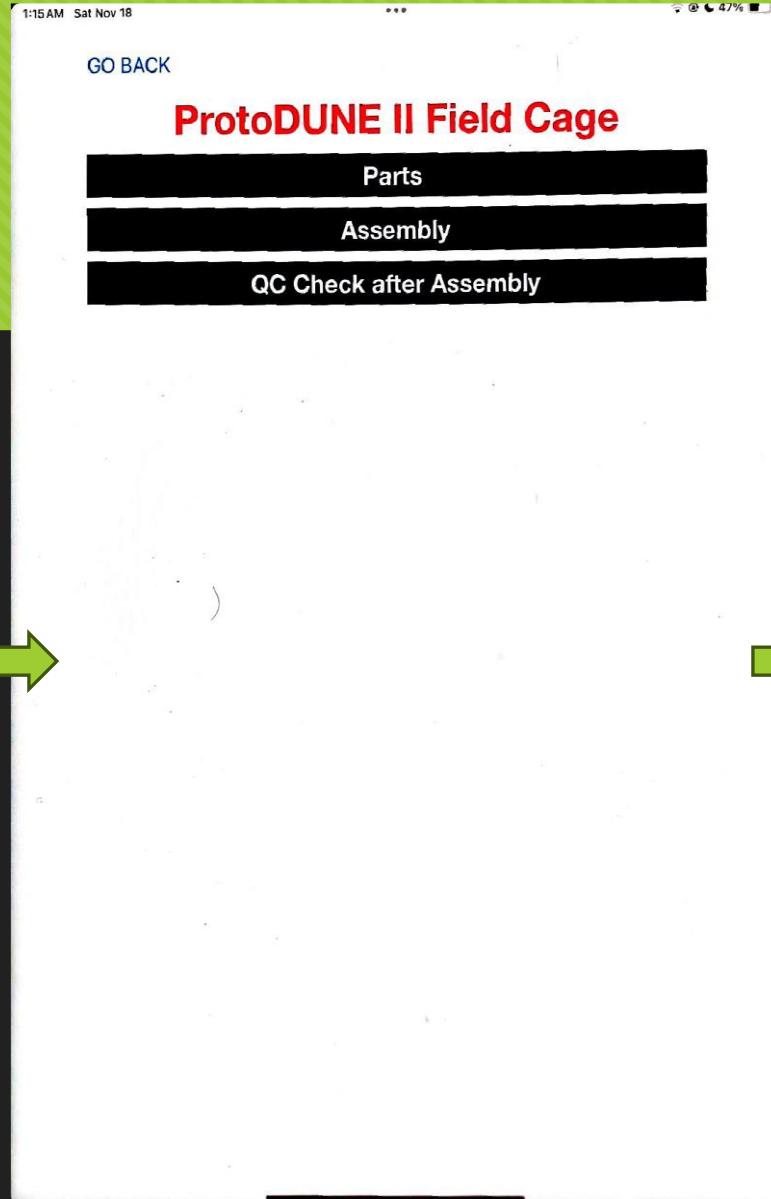
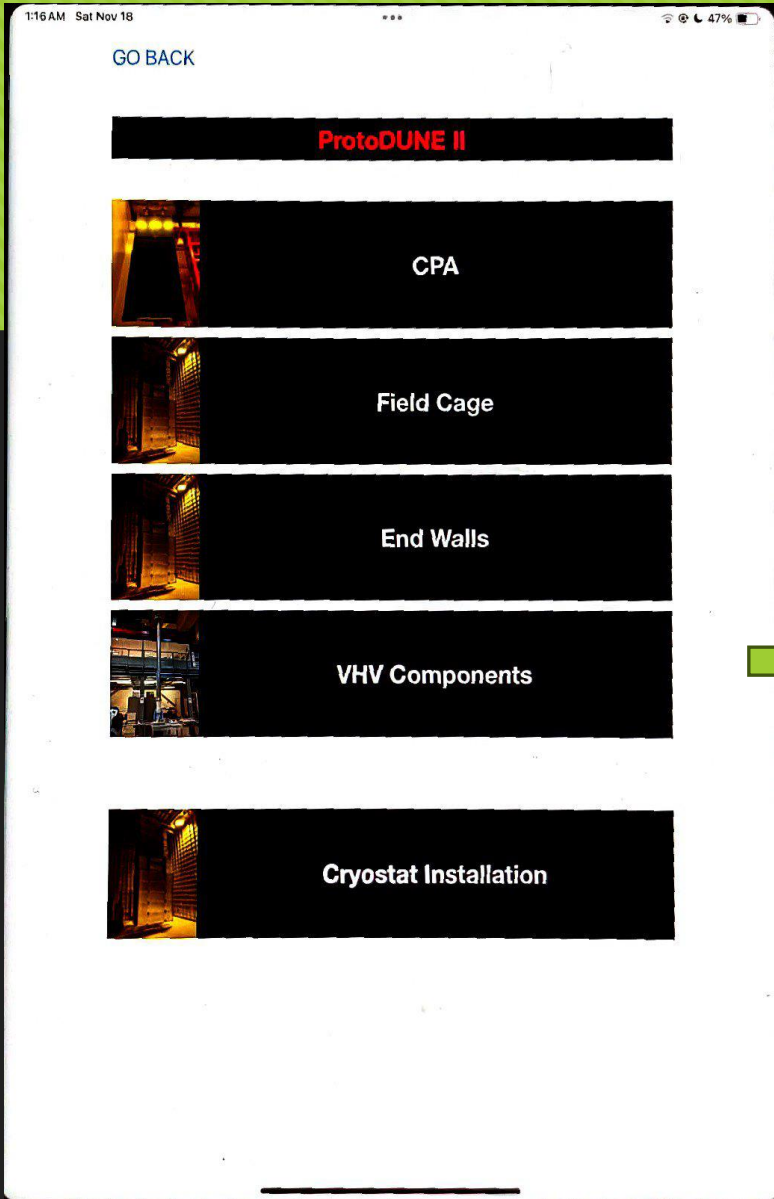
The screenshot shows the login interface for the DUNE (Deep Underground Neutrino Experiment) website. At the top, the DUNE logo is displayed in blue and orange, followed by the text "DEEP UNDERGROUND NEUTRINO EXPERIMENT". Below the logo, there are two input fields: "Username:" and "Password:". Underneath the input fields, there are two buttons: "Guest" (a light blue button with a dark blue outline) and "Login" (a solid teal button). At the bottom of the page, there is a link that says "Register your FNAL certification" and a version number "Version: 3.38". The top of the screen shows the time "7:02 AM Fri Nov 17" and the battery level "54%".

# INTERFACE OF HWDB

After we login

- Select University of Texas at Arlington
- Enter your name and email





Field Cage -> Parts

# Visual Inspection and Part Id

- Visual Inspection, check for all the possible damages, depending on the experience. No rigorous process.
- Make comments, if the profile disqualify inspection.
- Each parts processed have their own unique part id.

Project	System Name	System ID	Subsystem Name	Subsystem ID	Component Type Name	Component Type ID	Item # Range (Dec)	DFI
D	FD1-HD HVS	005	FC	021	Field Cage Assembly - Type A Upper	02110		DFI
D	FD1-HD HVS	005	FC	021	Field Cage Assembly - Type B Upper	02120	00001-00002	DFI
D	FD1-HD HVS	005	FC	021	Field Cage Assembly - Type C Upper	02130	00001-00002	DFI
D	FD1-HD HVS	005	FC	021	Field Cage Assembly - Type D Lower	02140		DFI
D	FD1-HD HVS	005	FC	021	Field Cage Assembly - Type E Lower	02150	00001-00002	DFI
D	FD1-HD HVS	005	FC	021	Field Cage Assembly - Type F Lower	02160	00001-00002	DFI
D	FD1-HD HVS	005	FC	021	Main Beam	02101		DFI
D	FD1-HD HVS	005	FC	021	Profile Assembly 91-5	02104		DFI
D	FD1-HD HVS	005	FC	021	Profile End Cap	02105		DFI
D	FD1-HD HVS	005	FC	021	Profile Nut - Type 2A Slip Nut	02106		DFI
D	FD1-HD HVS	005	FC	021	Reinforcement Plate	02107		DFI
D	FD1-HD HVS	005	FC	021	Latch Beam	02111		DFI
D	FD1-HD HVS	005	FC	021	PCB Spacer	02112		DFI
D	FD1-HD HVS	005	FC	021	Lifting Plate	02113		DFI
D	FD1-HD HVS	005	FC	021	Latch Receiver - Upper	02116		DFI
D	FD1-HD HVS	005	FC	021	Latch Receiver - Lower	02117		DFI
D	FD1-HD HVS	005	FC	021	Profile Assembly 87-4	02124		DFI
D	FD1-HD HVS	005	FC	021	Lift / Roller Assembly	02170		DFI
D	FD1-HD HVS	005	FC	021	Profile 90-47 Long	00007		DFI
D	FD1-HD HVS	005	FC	021	Profile Nut - Type 1B Twist Nut	00012		DFI
D	FD1-HD HVS	005	FC	021	Lift Bar	00017		DFI
D	FD1-HD HVS	005	FC	021	Assembly table	03500		DFI
D	FD1-HD HVS	005	FC	021	Storage cart	02600		DFI
D	FD1-HD HVS	005	FC	021	Winch Pipe Assy	03160		DFI
D	FD1-HD HVS	005	FC	021	HV Divider Boards	00009		DFI
D	FD1-HD HVS	005	FC	021	HV Divider Boards - half resistors	10009		DFI
D	FD1-HD HVS	005	FC	021	FC termination board	05811		DFI
D	FD1-HD HVS	005	FC	021	TB/C Bracket	02191		DFI

1:15 AM Sat Nov 18 47%

**ProtoDUNE II**

**Main I-Beam**

**Close** **Print**

**Selected Country/Institution:** **United States / University of Texas at Arlington**

**Manufacturers:**

**Date:** Nov 18, 2023 1:12 AM

**Parts ID**

**Label Code**

**Drawing Number** **DFD-21-2101**

**Total # passed so far**

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**Visual Inspection.**

**No Structural Damage?**

**Is it Flat?**

**Has Reinforcement Plates?**

**Surface Check: Clean? No Irregularity? Smooth?**

**Screw Holes: Smooth? No Fiber?**

**Is it Curved?**

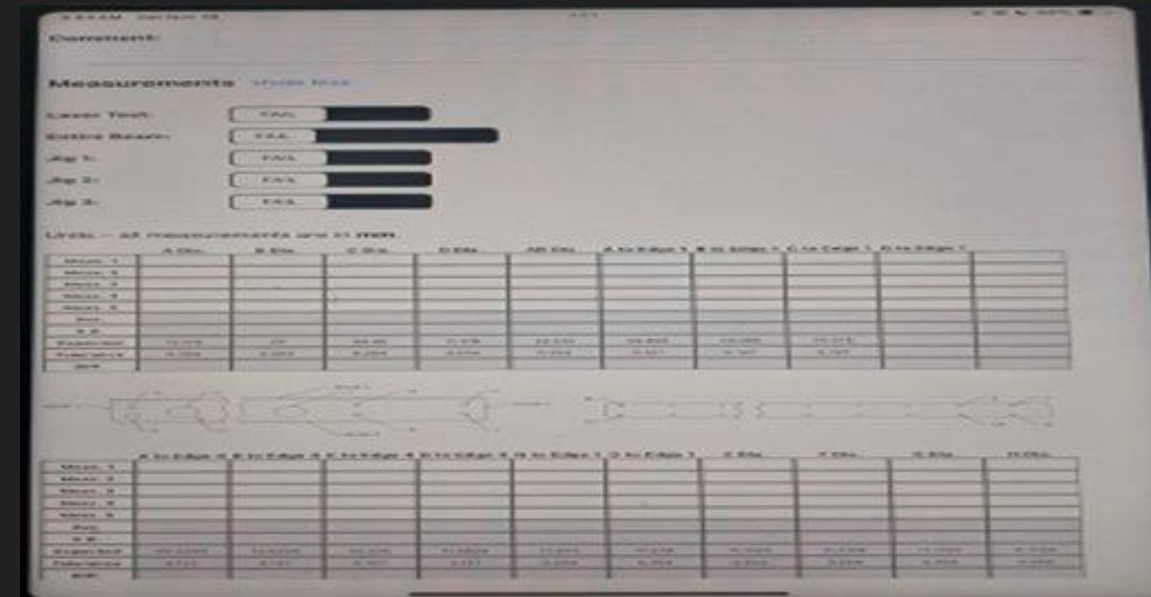
# Quality Control (QC)

- Once Parts qualify visual Inspection, each sticker is used to unique track.



# Measurement

- Measurement is taken at the measurement section of app.
- Measurement should be within the tolerance limit.





# UPDATING THE DATA

Once data is entered, it can be saved locally or directly uploaded to the app.  
(To upload them to database all the data Needs to be inserted in the first place)

1:15 AM Sat Nov 18 47%

Parts ID

Label Code

Drawing Number **DFD-21-2101**

Total # passed so far

---

**Visual Inspection**

No Structural Damage?

Is it Flat?

Has Reinforcement Plates?

Surface Check: Clean? No Irregularity? Smooth?

Screw Holes: Smooth? No Fiber?

Is it Curved?

Comment:

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**Measurements** [show more](#)

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**When all look OK, tap "Upload to HWDB" below**

sending email

Uploading to database

Saving locally

Loading DB