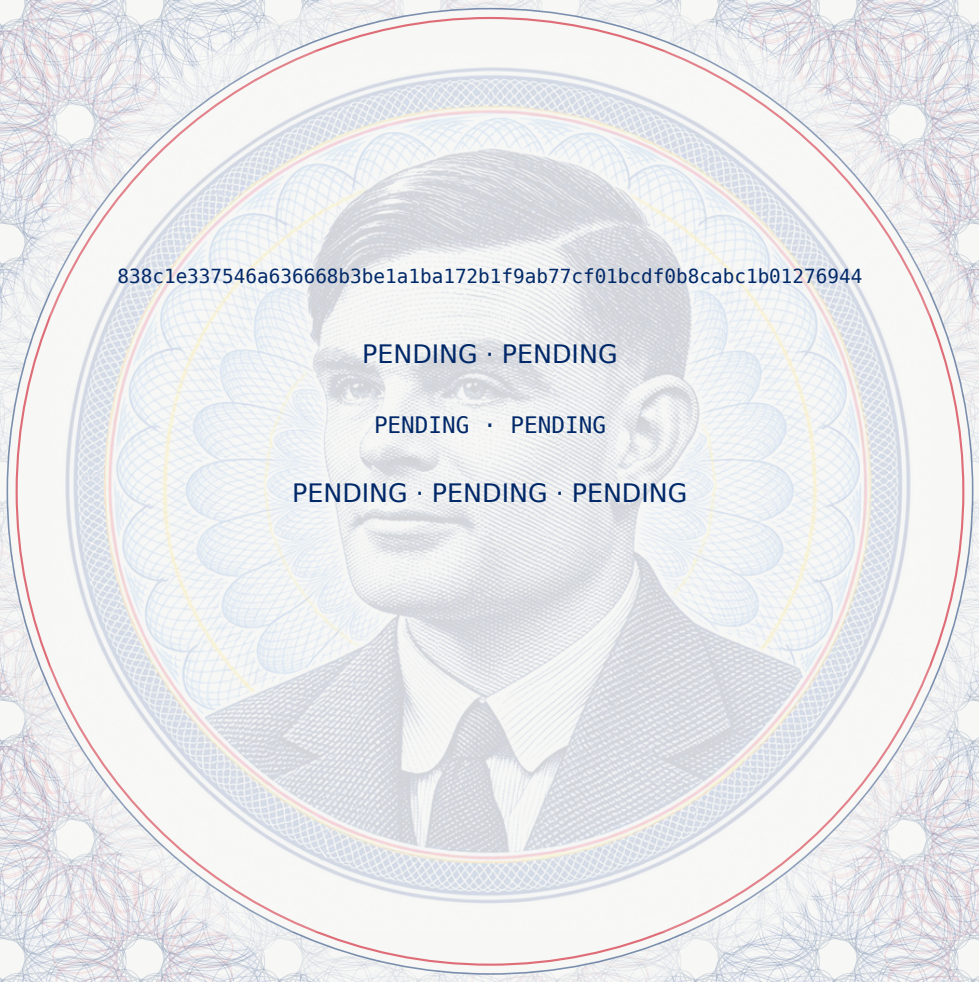
GLASS HULL

FULL PROOF · JFD-20260926-FP-00001 · Robinhood Chain block production

2026-09-04T00:00:00Z → 2026-09-04T23:59:59Z

Robinhood Chain block production

The Full Proof for Proof Posit PP-005 - free, identical for every reader



838c1e337546a636668b3be1a1ba172b1f9ab77cf01bcdf0b8cabc1b01276944

PENDING · PENDING

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K. L. Phillips

838c1e337546 · 1/1 · PENDING · https://gh.jetfyul.com/v/JFD-20260926-FP-00001

NOTE ON THIS DOCUMENT

The pages above reproduce the sealed document. The sealed record is a file.

What the Notary authorised, what both hardware witnesses signed and what the ledger event records is the file `JFD-20260926-FP-00001.pdf` - 4021051 bytes, SHA-256 `a151ac8fe3d32927e4b265814091ba5b623258cb3afd30ecd722235a32033c78`.

The sealed document `JFD-20260926-FP-00001.pdf` (4021051 bytes, SHA-256 `a151ac8fe3d32927e4b265814091ba5b623258cb3afd30ecd722235a32033c78`) is embedded in this PDF as a file attachment.

Its exact source, whose fingerprint the document prints, `FP-005-free-full-proof.md` (34903 bytes, SHA-256 `838c1e337546a636668b3be1a1ba172b1f9ab77cf01bcdf0b8cabc1b01276944`) is embedded in this PDF as a file attachment.

Appendix R (reproduction discipline), carried verbatim in the exact source, `FP-005-appendix-R.md` (6452 bytes, SHA-256 `1a2a35e6f745f2d1b15f2c79ec79f69add81fcfb5a7e958b375578693074875c`) is embedded in this PDF as a file attachment.

Appendix S (canonical serialization), carried verbatim in the exact source, `FP-005-appendix-S.md` (6746 bytes, SHA-256 `53f3b12900d819268c678206a6e6a244298086c43a3b3d0d2985d567badd18f6`) is embedded in this PDF as a file attachment.

The anchor proof `JFD-20260926-FP-00001.pdf.ots` (891 bytes, SHA-256 `b7b16d92ebdc38460c4cb74de13e1f1375d2ef016a766b26f1da3097dcb45e91`) is embedded in this PDF as a file attachment.

The seal record from which the certificate is built `seal-record-JFD-20260926-FP-00001.json` (6774 bytes, SHA-256 `f34f2e96776a82e3778330ea9244ba785d8838f138def6991c3b41caace292ed`) is embedded in this PDF as a file attachment.

Open the attachments pane of your PDF reader to extract them, and hash each file as stored.

What follows, in order

The seal page, carrying the seal record's values: fingerprint, ledger event, both witnesses and the anchor. After it, the certificate, built from the same seal record.

SEAL PAGE — MATCHSTICK TRIBUNAL · MT-CC-SEALDOC-002

K. L. Phillips, a man
Principal, Jet Fyul Dynamics LLC · The author stands behind every word.

BLOCK 2 — ISSUER

```
ISSUER      Jet Fyul Dynamics LLC · Wyoming
RAIL        Matchstick Tribunal
CUSTODY     both witness keys held by the issuer, in silicon, on separate hosts; never exported
```

BLOCK 4 — WHO SIGNED IT

Two independent hardware witnesses. Conforming tests of a defined procedure — not a primary and a backup.

	WITNESS 1	WITNESS 2
chip identity	a9-atecc608b-slot0	a10-atecc608b-slot0
serial	0123ADA0711D8597EE	0123DC797ACC1195EE
curve	ECDSA-P256 (secp256r1)	ECDSA-P256 (secp256r1)
public key	d62d03f8dc3813fb5b74f2b64339d185…	853e69fc700990303abfe61358bfa456…
signature over artifact hash	→ ledger event 3173062	→ ledger event 3173062
signed (UTC)	→ event 3173062	→ event 3173062
federation peer	a10-atecc608b-slot0	a9-atecc608b-slot0
host · custody	A9 · Jet Fyul Dynamics LLC	A10 · Jet Fyul Dynamics LLC
certifies in accordance with	Fed. R. Evid. 902(13), 902(14)	Fed. R. Evid. 902(13), 902(14)
verified offline	→ event 3173062	→ event 3173062

Each signature verifies on its own, against its own public key, without the other and without anything of ours.
One signature is not a seal: if either witness is unreachable, no seal is produced. Both chips are the same make and model,
provisioned and owned by the issuer — independent in custody and location, not in supply chain or ownership.

Full public keys, signatures, and the Rule 902(11) certification of a qualified person: ledger event → event 3173062 · https://gh.jetfyul.com/v/JFD-20260926-FP-00001

Blocks 1-3 are inside these bytes; Block 4 live cells, Block 5 (Ed25519 a1-ledger) and Block 6 (Bitcoin anchor) live on the ledger and at https://gh.jetfyul.com/v/JFD-20260926-FP-00001

CERTIFICATE OF AUTHENTICITY

Robinhood Chain block production - JFD-20260926-FP-00001

The record

Document control number: JFD-20260926-FP-00001

Fingerprint (SHA-256 of the sealed file, raw bytes as stored): `a151ac8fe3d32927e4b265814091ba5b623258cb3afd30ecd722235a32033c78`

Sealed file: `JFD-20260926-FP-00001.pdf`, 4021051 bytes

Source fingerprint printed inside the document: `838c1e337546a636668b3be1a1ba172b1f9ab77cf01bcdf0b8cabc1b01276944`

Ledger event (kind-15): 3173062, event hash `4e7dc5ea08083f9136b49f672eb9d232b8cfa03344a4480b344f760a1a2f120e`

Notary authorisation (kind-3): 3173060

Seal request signed by both witnesses: SHA-256 `ceb683da32c98c09ea00e32f857dcaa8051b7a3f1036a7ddcc5632fbc63c39eb`

Anchor: OpenTimestamps, status PENDING, proof `JFD-20260926-FP-00001.pdf.ots`

Verification address: https://gh.jetfyul.com/v/JFD-20260926-FP-00001

The two hardware witnesses

Witness 1 - host A9, a9-atecc608b-slot0, serial 0123ADA0711D8597EE, curve ECDSA-P256 (secp256r1), signed 2026-09-26T18:20:39.056925+00:00

Public key: `d62d03f8dc3813fb5b74f2b64339d185742aabcae1bdcfd2f7a7ad59f1dd3c5d50e57effa4a3c888f58c3eca9d274bd7f0b8d263fa38bbf0bc6fbff6035c2411`

Signature: `dbe7d0dc3c7d634eca5aa8a80e3f9777532545cfbfb6648d153eba9e95c295649632a728ace825173007aa124f7d4ab17cfb0efe7fad7958c0a9c09dfb1cc60b`

Witness 2 - host A10, a10-atecc608b-slot0, serial 0123DC797ACC1195EE, curve ECDSA-P256 (secp256r1), signed 2026-09-26T18:20:41.263732+00:00

Public key: `853e69fc700990303abfe61358bfa456160eaae1529dbc74805d1639cfc88e78497bbe060e7ae5d54466b2ce0a2753e14204a21eed4a132a61ace3294f9beba1`

Signature: `1d1f8ab61089a97f0e632163568bfe241f5b880bde93aaba7026e090e158ffbb0bc5653c1030799f80f41ee8c7a1c0cc23ab2940327399b8fbcb9e1c8cb834b8`

How to verify this without the Issuer, in six steps

(1) Extract `JFD-20260926-FP-00001.pdf` from this PDF's attachments and hash it as stored, with no normalisation. Its SHA-256 must equal the fingerprint above.

(2) Read ledger event 3173062 by its id. Its payload must carry that fingerprint as `doc_sha256` and JFD-20260926-FP-00001 as `dcn`.

(3) Verify witness 1's signature as ECDSA over P-256, with the public key above, over the seal request bytes whose SHA-256 is `ceb683da32c98c09ea00e32f857dcaa8051b7a3f1036a7ddcc5632fbc63c39eb`.

(4) Verify witness 2's signature the same way. Each signature must verify under its own key and fail under the other's.

(5) Read the OpenTimestamps proof against the same fingerprint. Until a Bitcoin attestation is confirmed the anchor is PENDING, and this certificate says so.

(6) Open https://gh.jetfyul.com/v/JFD-20260926-FP-00001 and confirm it shows the same fingerprint, ledger event, witnesses and anchor.

This certificate goes to what the record is and that it has not been altered. It is not a sworn declaration and does not assert the truth of anything the document says.