PILLAR 01 · MATHEMATICAL EXECUTION & MODELS

THE ALGORITHMIC ENGINE & QUANTITATIVE MODEL FLEET

MULTI-ENGINE TOPOLOGY · 840 LOGIC DIRECTIONS · 169,794 CONFIG INPUTS · XGBOOST AI REGIMES

840 LOGIC DIRECTIONS	**169,794** CONFIG INPUTS
2 EXIT MODES	**20** GROUP DOMAINS
3 ENGINES A-B-C	**21** TRADING LOGICS

PIPELINE | TICK TO POSITION

SIGNAL PIPELINE

01

SCAN

02

FILTER

21 logics read the market

Risk, session, news gates

03

TRIGGER

Immediate, bars, time, pips

04

MANAGE

Trail, trims, hedge, reverse

05

EXIT

Single stop or basket close

D DAAVILE
ALGO TRADING

LAB HUB

Steps 1-7

Formats Points / Avg%

DYNAMIC EXIT SYSTEM

TRIMMING

Variants 4 modes

Triggers Cycle / Profit / Time

INSTITUTIONAL RISK

GUARD

Limits D / W / M

Isolation 20 domains

FIXED TP / SL

COMPLIANT

Mode Points / %

Scope Per-logic

HEDGE AND REVERSE

PER-LOGIC

Modes Hedge / Reverse

Scaling % of ref lots

ADVANCED TRAILING

Seven steps, two formats. Gains protected without choking the move.

LEVEL 7 TRAIL

PARTIAL CLOSES

Trim on milestones. Edge compounds, exposure falls.

RISK MODULES

Daily caps, equity guard, lot throttling on margin health.

EQUITY GUARD

TIME AND NEWS FILTERS

Session windows plus macro pause and resume. No chaos trading.

SESSION SOVEREIGNTY

PROP-FIRM TOOLING

Daily and total drawdown caps, stealth execution, multi-account mirror.

EVALUATION RAILS

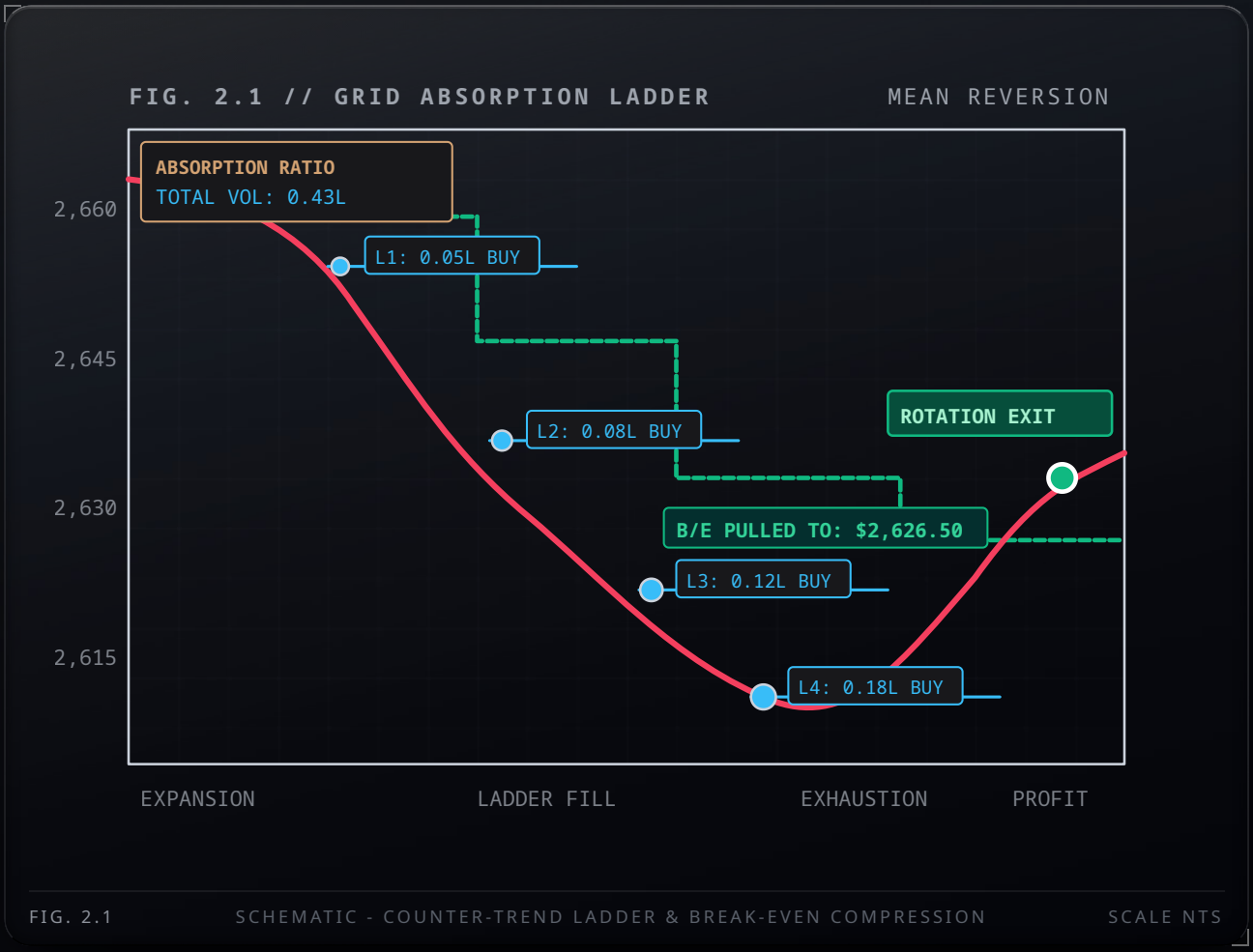
MULTI-ASSET AND MARKET

Forex, crypto, stocks, commodities. MT4, MT5, Rust terminals.

CROSS-PLATFORM

01

COUNTER-TREND EDGE



Absorbs expansion liquidity, profits on pullback and rotation.

Philosophy

Absorption

02

STRUCTURED PROGRESSION

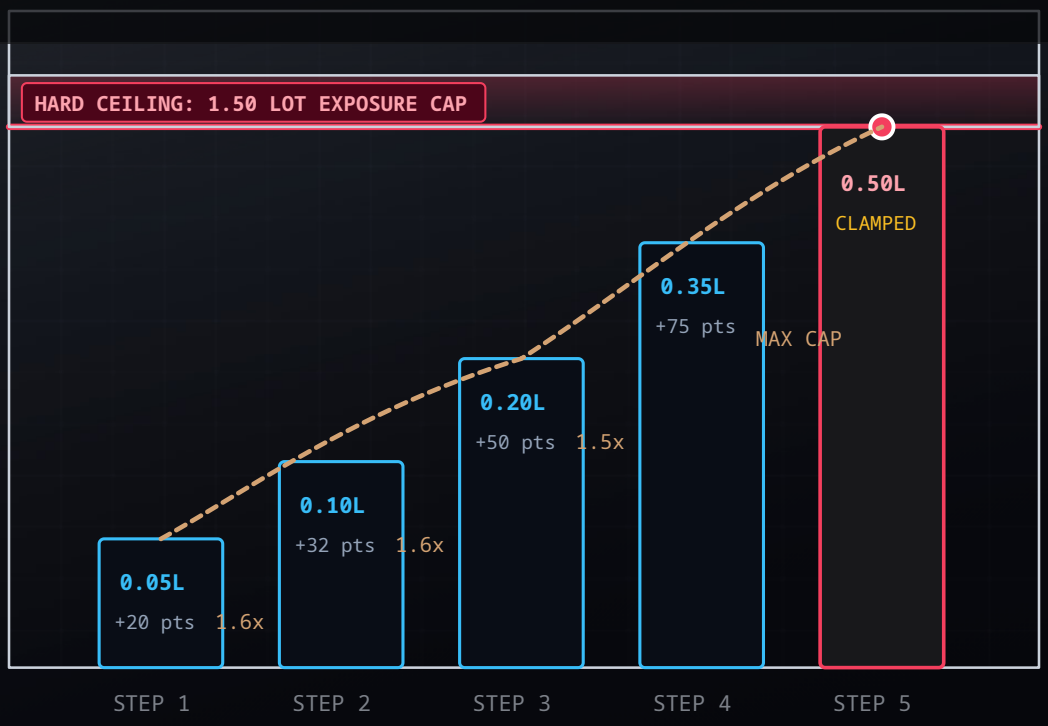


FIG. 2.2 SCHEMATIC - ATR SPACING & HARD EXPOSURE CEILING CLAMPING SCALE NTS

Spacing, ceilings and throttles cap exposure across 20 domains.

Risk Cap

Deterministic

03

BASKET LIFE-CYCLE EXITS

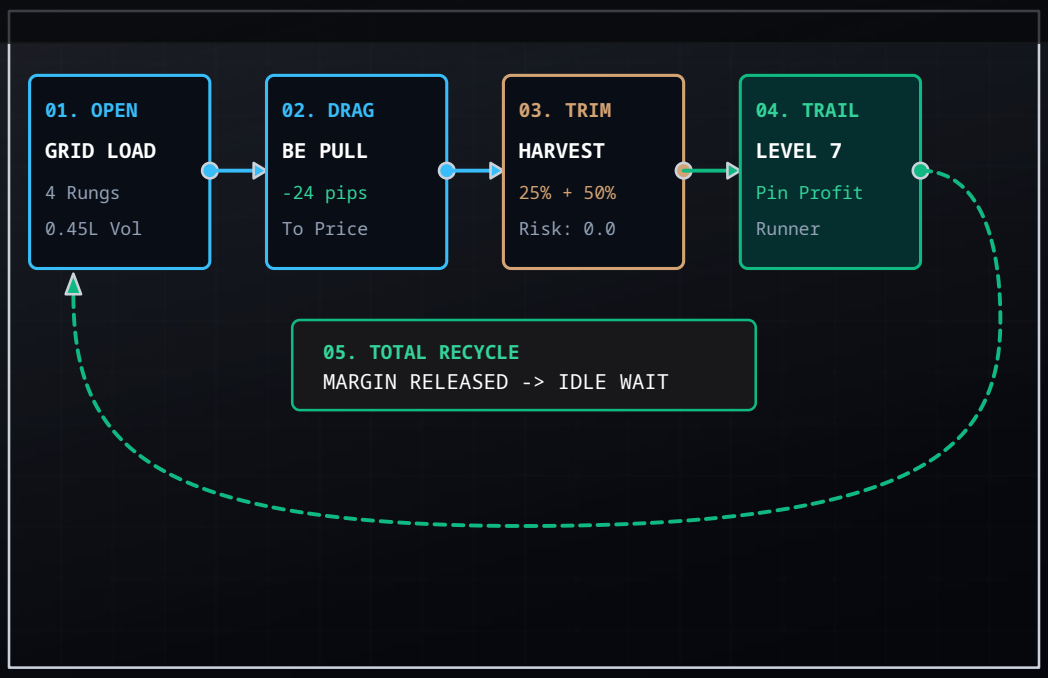


FIG. 2.3 SCHEMATIC - BASKET LIFECYCLE PIPELINE & CLOSED-LOOP RECYCLE SCALE NTS

Trims and 7-stage trail drag break-even toward price.

Exits Trail + Trims

FIG. 3.1 // SURVIVAL RISK INTERCEPTOR ZERO ACCOUNT RUIN

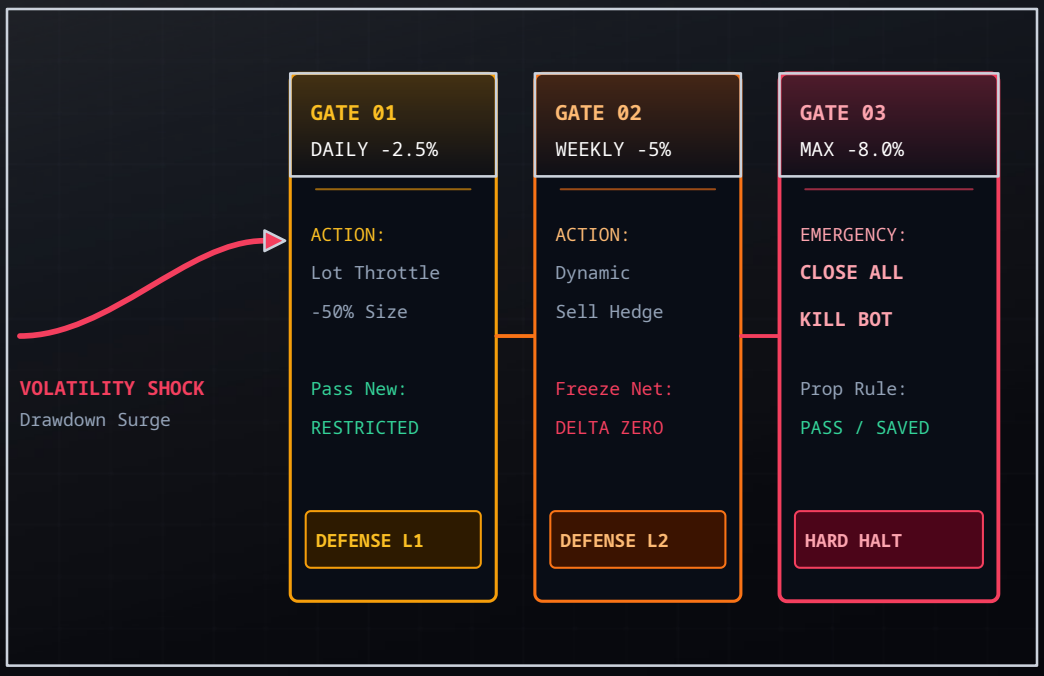


FIG. 3.1 SCHEMATIC - MULTI-TIER DRAWDOWN GATES & EMERGENCY KILL-SWITCH SCALE NTS

Loss Limits	Daily / Weekly / Monthly
Equity Guard	Drawdown protection
Margin Throttle	Auto lot scaling
Emergency	StopEA / CloseAll

TIME AND NEWS FILTERS

Session Filter

/ 24H SESSION & NEWS CLOCK



FIG. 3.2 SCHEMATIC - 24-HOUR SESSION TIMELINE & MACRO NEWS BLACKOUT SCALE NTS

Sessions	10 windows
News Impact	Levels 1-3
Buffers	Before / After
Priority	Session first

TRIGGER MATRIX

PER-LOGIC

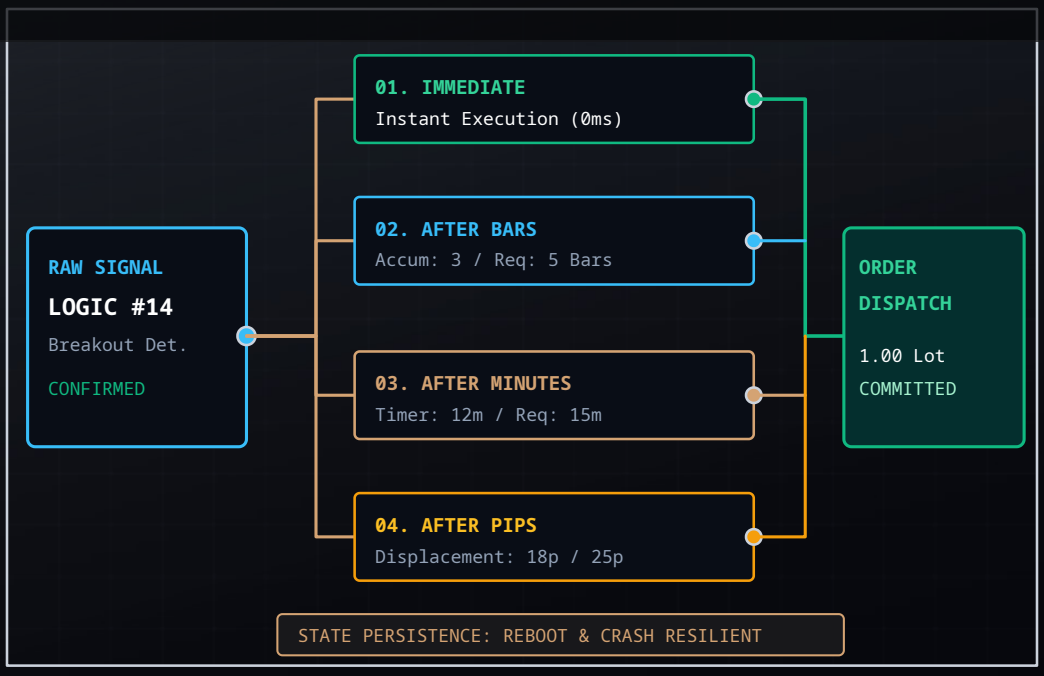


FIG. 3.3 SCHEMATIC - MULTI-CONDITION STATE GATES & MEMORY PERSISTENCE SCALE NTS

Immediate	Instant
AfterBars	Wait X bars
AfterMinutes	Wait X minutes
AfterPips	Wait X pips

Trigger state persists through restarts and session transitions. The system never forgets.

EVALUATION RAILS

Prop Compliance

Hard algorithmic limits enforcing prop firm drawdown rules and equity integrity in real time with stealth low-friction execution.

Caps	Daily / Total
Execution	Stealth, low friction
Watchdog	Real-time equity

Mirror Multi-account sync

HEDGE AND REVERSE

Delta Neutral

Counter-exposure coupling that dynamically flips net bias or scales opposite lots on volatility breach.

Hedge	Opposite from ref
Reverse	Flip buy / sell
Scale	% of ref lots
Override	Engine A counter

EXPLORE THE COMPLEMENTARY PILLAR

Ready to Inspect the Desktop Software Suite?

Discover the Command Deck App, Quantum Dashboard FX, Rust Forex IPC Bridge, and high-speed data downloaders.

EXPLORE DESKTOP APPS SUITE →

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