

FUTURE BUILDERS CRASH COURSE

Governance Prototype for a 10-Day Rapid-Learning and Full-House Build [\[chat\]](#)

Purpose: First working draft for team critique; not a finished doctrine

Proposed format: Days 1–5: Rapid Learning Facility training, practice, documentation, peer teaching, and certification; Days 6–10: full modular-house production, integration, commissioning, and inspection

Program boundary: One cohort from pre-course readiness through handoff of the house and post-event review

Status: Prototype v0.1 — unresolved choices are marked TBD

Lead recommendation Adopt a hybrid incident-command model: OSE Core keeps custodial authority over canonical standards and brand; the Event Director commands delivery; domain leads decide within published boundaries; any person can stop unsafe work; only the Safety Lead or legal authority can clear it; and no one can waive code, acceptance criteria, truthful documentation, or participant dignity for speed.

How this draft was formed

Part I is a synthesis of the human-defined program requirements in the supplied OSE pages and the user's requested governance questions. It does not treat AI output as OSE doctrine. Part II is deliberately separate: it uses AI only to stress-test the source-derived prototype for omissions, contradictions, edge cases, and failure modes.

The wiki material is evolving and sometimes inconsistent. This prototype therefore distinguishes source-backed premises from proposed operating rules. Citations [S1]–[S15] refer to the source register at the end.

PART I — SOURCE-DERIVED GOVERNANCE PROTOTYPE

1. Scope and operating premise

The governed system is the next Future Builders Crash Course: an immersive, production-integrated course in which participants first practice and document skills, then apply only certified competencies to the full construction of a modular Seed Eco-Home. The published concept uses the cycle “learn, build, document, teach, repeat,” integrates training output into the final house, and envisions approximately 48–50 in-person participants working in parallel teams, with remote mentors and contributors. [S1][S2]

The governance begins when the event design and budget are approved and covers readiness, admissions, pre-course design intensives, site preparation, Days 1–10, final inspection/handoff, documentation closeout, financial reconciliation, incident review, and the improvement backlog.

It governs in-person participants, work-exchange volunteers, staff, remote contributors, and partner experts.

It does not replace OSE corporate governance, the Board's legal duties, employment or contract law, the authority having jurisdiction (AHJ), licensed-professional obligations, emergency services, or the governance of later Future Builders Academy/enterprise tracks. Those systems override this prototype where law or formal contract requires.

Readiness gate The event does not open unless permits/inspection path, frozen design and BOM, competent safety and technical coverage, weather-safe facilities, sanitation, food, tools, emergency plan, insurance, and a credible completion plan are verified. The 2025 course reported severe friction from weather, mud, tool control, space, late design changes, and incomplete work breakdowns; those are governance inputs, not merely logistics. [S3][S4]

Program cadence governed by this prototype

Phase	Primary work	Governance emphasis	Required evidence
Pre-course	Design freeze, permits, BOM, WBS, staff and participant onboarding	Readiness decision; change control; consent and role clarity	Approved artifact set and readiness checklist
Days 1–5	RLF instruction, deliberate practice, documentation, peer teaching, certification, production-quality modules	Training authorization; assessor independence; tool and bay safety	Skill records, QC results, photos/video, lesson updates
Days 6–9	Parallel module production, structure, enclosure, utilities, interiors, systems integration	Incident command; interface control; stop-work and rework	Daily plan, completed inspections, deviation log, issue board
Day 10	Commissioning, final inspection, demonstration, certification, handoff and review	Truthful completion claim; legal signoff; closeout ownership	Punch list, commissioning records, acceptance/occupancy status
Post-event	Publish documentation, reconcile budget, conduct retrospective, accept canon change requests	Accountability and learning	Public closeout report and prioritized improvements

2. Actors

A person may hold more than one role only when the combination does not destroy independent review. Safety Lead, final quality acceptance, participant grievance reviewer, and budget approver should not all be the Build Commander.

OSE Core Steward / Canon Maintainer: Custodian of official product definition, interfaces, acceptance criteria, benchmarks, documentation canon, brand and warranty boundary.

Program Sponsor / Budget Owner: Approves business case, budget envelope, contracts, insurance, ownership of the finished house, and disposition of revenue/surplus.

Event Director / Build Commander: Accountable for the event outcome and real-time operational command; integrates production, instruction and escalation.

Project Manager / Production Control: Maintains hour-by-hour schedule, work breakdown, team assignments, dependency map, issue board and daily replan.

Site Infrastructure Lead: Ensures the Hangar, RLF, utilities, weather protection, access, machines and work zones are ready and maintained.

Safety Lead: Owns safety plan, training, PPE, inspections, hazard controls, incident response, stop-work clearance and external safety coordination.

Design Lead: Controls the event design baseline, system interfaces, field-change classification and technical integration across modules.

Licensed professionals / AHJ: Architect/engineer/electrician/plumber/inspector or regulator with statutory authority over permits, code, energization and occupancy.

Quality and Commissioning Lead: Defines inspection hold points, verifies tolerances and tests, rejects nonconforming work, controls punch list and commissioning evidence.

Trade and Module Leads / Build Coaches / SMEs: Teach and supervise specific systems; approve routine methods within the frozen design; escalate interface, safety and code issues.

RLF Lead and Certification Assessors: Run learning bays, maintain rubrics and skill records, assess demonstrated competence, hear first-level certification appeals.

Team Leads: Coordinate a small build team, conduct pre-task briefs, assign tasks within authorization, track completion and escalate blockers.

Participants / Builders: Learn, build, document, teach peers, follow controls, report hazards and defects, and decline work for which they are not trained or fit.

Work-exchange volunteers: Support site preparation and/or course operations under the same safety, conduct, authorization and documentation rules as participants.

Operations Manager / Hearth Keeper: Protects heat, food, water, sanitation, lodging, rest, morale, accessibility and site cleanliness; owns the human-operations layer.

Hospitality, kitchen and cleaning staff: Deliver check-in, accommodation, food safety, meals, common-space hygiene, waste separation and participant support.

Logistics / Procurement Lead and Clerk of Works: Locks and orders the BOM, receives and checks deliveries, controls inventory/tools, manages substitutions and material flow.

Video Lead: Runs cameras, records consent, preserves provenance, publishes build evidence, protects privacy and maintains the issue/change logs.

AI Lead: Improves AI infrastructure for documentation, design, contribution using Iconic CAD and OSE Tutor.

Documentation Lead: Provides organizational learning by event-level documentation spanning all aspects of event.

Remote Collaboration Manager and remote mentors: Operate two-way workstations and telepresence, triage remote advice and ensure it reaches the accountable on-site role.

Admissions and Participant Welfare Reviewer: Applies published selection/conduct criteria, handles accommodations, complaints, misconduct facts and removal recommendations.

Property owner / customer / community: Defines site and handoff requirements, receives transparent status, and participates in acceptance where contractually relevant.

Suppliers, sponsors and partners: Deliver materials, equipment or expertise under written specifications; have no authority to waive OSE or safety requirements.

3. Core values

These values precede the mechanisms. They are drawn from OSE's stated values, specifications, social contract and governance charter. [S5][S6][S7][S8]

Value	Operational meaning
Open-source culture and radical transparency	Publish designs, procedures, costs, metrics, problems and improvements early and truthfully; protect personal privacy while avoiding knowledge enclosure.
Transformative purpose and universal self-determination	Build practical capacity for people to meet needs, create right livelihood and address pressing problems—not merely stage a spectacle.
Systems thinking and ecological stewardship	Optimize the whole design-build-use-service ecology; respect natural systems; account for energy, materials, waste, repair and long-term consequences.
Modularity, interoperability and product ecology	Use clear interfaces and construction-set thinking so distributed teams can work in parallel and outputs remain reusable and repairable.
Constant learning and recursive improvement	Practice, measure, document, teach, solicit feedback and update the system; treat errors as evidence while maintaining accountability.
Excellence, dignity and human integration	Respect and uplift people; reject harassment, classism and expertism; provide heat, food, safety, sanitation, rest and accessibility as operating dependencies.
Ultimate responsibility	Act to correct hazards and wrongs within one's competence; do not hide behind role boundaries, but escalate rather than improvise beyond authority.
Merit through demonstrated contribution	Grant technical and teaching authority through verified competence, current evidence and accountability—not status, popularity or tuition paid.
Decentralized execution with coherent standards	Decide at the lowest competent level while OSE Core preserves canonical product, interface, acceptance, documentation and brand integrity.
Freedom, voluntariness and honest forking	Participation is voluntary and reversible; disagreement may produce an explicit fork, but not undeclared divergence under the OSE name.
Real production and distributive economics	Learning should create useful artifacts and productive capacity; economics, ownership, margins and surplus allocation should be transparent and resist proprietary capture.
Safety, quality and truth over speed	No deadline or publicity goal justifies unsafe work, skipped inspection, hidden defects or a false claim that a house is complete or habitable.

4. Decisions that actually occur

Decision class	Recurring decisions
Purpose and scope	What house/version is being built; learning and production objectives; participant and remote capacity; definition of 'complete.'
Readiness / go-no-go	Whether design, permits, site, staff, materials, tools, food, lodging, emergency coverage and contingency are ready.

Decision class	Recurring decisions
Admissions and participation	Who is admitted; prerequisites; accommodations; assignment to on-site/remote role; warnings, suspension and removal.
Curriculum and certification	Learning sequence, authorized tools/tasks, rubrics, evidence, pass/rework/appeal, and who may teach or join production.
Work allocation	Daily priorities, team formation, module assignments, bay access, rotations, handoffs and reassignment when bottlenecks appear.
Design and standards	Design freeze, interface definition, field clarification, substitution, deviation, canon change, acceptance criteria and naming/brand.
Safety and emergency	Hazard controls, stop-work, evacuation, medical response, weather shutdown, machine lockout, incident reporting and restart.
Quality and technical acceptance	Inspection hold points, measurement tolerances, defect disposition, rework, commissioning, energization and final handoff.
Schedule	Hour-by-hour plan, overtime/rest, recovery after delays, scope triage and whether the event extends or closes with a transparent punch list.
Budget and procurement	Budget envelope, line-item spending, contracts, BOM lock, substitutions, emergency purchases, contingency and final disposition of the house.
Human operations	Food, heat, water, sanitation, lodging, quiet/rest, accessibility, transport, cleaning, waste and participant support.
Documentation and data	What is recorded, consent, privacy, publication, version control, authoritative artifacts, performance metrics and correction of errors.
External communications	Public demonstration, media claims, sponsor commitments, crisis communication, brand usage and disclosure of incomplete work.
Post-event learning	Incident review, retrospective, financial report, canon requests, backlog priorities, replication package and next-cohort changes.

5. Who decides and how

Default mechanism: the named decision owner decides after seeking advice from people with expertise and people materially affected. Consultation informs but does not blur accountability. Consensus is used for shared working agreements and retrospectives, not for safety, code, individual discipline or time-critical production calls. Majority vote is limited to low-risk group preferences or a formally chartered committee.

Decision	Owner	Mechanism	Check / veto / appeal
Canonical product, interfaces, acceptance, brand, warranty	OSE Core Steward / Canon Maintainer	Custodial decision after expert review; no crew vote	OSE Core veto; explicit fork remains possible outside OSE claims
Event scope and baseline budget	Program Sponsor / Budget Owner	Individual approval after advice from Event Director, Design, Safety, Operations and Finance	Board/legal constraints; readiness gate
Launch / postpone / cancel	Program Sponsor and Event Director jointly	Go only if Design, Safety, Operations and Logistics each sign readiness; any red gate blocks	Safety, permits, facilities and critical human needs are veto gates

Decision	Owner	Mechanism	Check / veto / appeal
Daily production priorities and team assignments	Project Manager; Team Leads within teams	Delegated authority using visible WBS and competence records	Event Director may re-prioritize; participant may decline unsafe/unqualified task
Routine field clarification with no interface/code impact	Relevant Trade or Module Lead	Individual authority; log before work closes the detail	Design Lead or Quality Lead may review/rework
Field change affecting interface, cost or schedule	Design Lead	Advice process with affected leads, QC, Safety, Project Manager and Budget Owner	OSE Core approval if canonical; licensed/AHJ approval if regulated
Structure, electrical, plumbing, HVAC or occupancy change	Design Lead interprets standards and integrates / <u>AHJ</u> / PE as required	Formal technical review and permit/change process	No internal role can override legal authority
Unsafe condition	Anyone stops; Safety Lead investigates and clears	Immediate stop-work but only in affected area; documented hazard assessment	AHJ/emergency services supersede; Event Director cannot waive
Critical heat, food, water, sanitation, fatigue or lodging deficit	Hearth Keeper / Operations Manager	Pause affected work and activate contingency; advise Event Director	Safety Lead may broaden pause; Sponsor decides cancellation after stabilization
Quality acceptance / rework	Quality and Commissioning Lead	Evidence against published tolerance and hold-point checklist	Design Lead resolves technical interpretation; AHJ decides regulated acceptance
Skill Certification	Transparent self-produced documentation against spec, with verification.	Demonstration against spec plus documentation (time lapse typical) and peer teaching. AI verification protocol is developed for general use.	Appeal to RLF Lead, then second independent assessor; no production-pressure override
Schedule change within approved scope	Project Manager	Delegated authority after consultation with impacted leads	Event Director approves major rebaseline; Safety/quality gates remain
Scope reduction or extension	Event Director + Sponsor	Advice from Design, Safety, Operations, QC and customer; publish consequences	Cannot relabel incomplete/unapproved work as complete or habitable
Spend within a line-item envelope	Named budget holder	Individual authority with receipt and public ledger entry	Finance audit; no splitting purchases to evade limits
Reallocation ≤5% of operating budget	Event Director + Budget Owner	Joint approval after Finance advice	Board/contract restrictions; 5% is a proposed threshold
Participant warning / reassignment	Participant Welfare Reviewer + relevant Team Lead	Private fact-finding; restorative agreement where suitable	Safety Lead may impose immediate temporary separation
Participant removal	Event Director	Decision after Welfare and Safety consultation; reasons recorded; opportunity to respond unless emergency	Post-event appeal to Program Sponsor/OSE designee; no retaliation
Media capture and publication	Documentation/Media Lead	Consent-based protocol; editorial authority within truth/privacy rules	Participant privacy withdrawal where feasible; OSE brand review
Official documentation update	Canon Maintainer	Artifact review, versioning and acceptance	OSE Core final; rejected contribution may remain an explicit fork

Change classes during the build

Class	Test	Authority	Rule
A — Clarification	No effect on safety, code, interface, acceptance, budget or critical path	Trade/Module Lead	Log the clarification; Quality verifies at next hold point.
B — Controlled field change	Affects one or more module interfaces, cost or schedule but not statutory approval	Design Lead after advice	Issue a numbered deviation before irreversible work; update affected drawings/WBS.
C — Regulated or canonical change	Affects structure, utilities, fire/life safety, energy, permit, warranty, official OSE definition or brand	AHJ plus OSE Core as applicable	Freeze affected work until written approval; if not approved, revert or declare a non-OSE fork.

6. Conflict-resolution path

1. Make safe and preserve evidence. Anyone may call stop-work. Separate people from immediate danger, protect the work, photograph/measure the condition, and name the decision needed.
2. Resolve directly at the lowest competent level. The people involved have a short, respectful conversation using the relevant drawing, specification, rubric, work order, value or conduct agreement—not memory or status.
3. Bring in the accountable role owner. If no resolution within 10 minutes for active production (or one business day off-line), the named decision owner hears both views, seeks relevant advice, decides, and states the reason.
4. Mediate relational conflict. A neutral Welfare Reviewer/facilitator mediates when the dispute concerns conduct, communication, fairness or trust. Mediation never delays a necessary safety control.
5. Escalate by domain. Safety → Safety Lead/AHJ; technical/interface → Design Lead/OSE Core or licensed professional; quality → Quality Lead/AHJ; certification → RLF Lead/second assessor; budget → Budget Owner; welfare/removal → Event Director/Program Sponsor; canon/brand → OSE Core.
6. Record and close. Log the issue, evidence, decision, owner, time, rework and follow-up. Publish non-personal lessons; restrict medical and sensitive conduct records. Retaliation for hazard, defect or misconduct reporting is prohibited.
7. Appeal without reopening live risk. Appeals may review fairness, facts or canon after the work is safe; they do not automatically authorize work to resume. The domain authority remains final for the live incident.

Decision-speed rule A disagreement is not resolved by whoever speaks loudest or by an all-hands vote. The artifact and the named domain owner control. When a deadline expires, the owner decides and logs the decision; safety, legal and quality hold points cannot expire by silence.

7. Authority and boundaries

Role	Can decide independently	Must consult	Cannot do	Review / override
OSE Core / Canon	Canonical definition, interfaces, acceptance, official docs and brand	Technical expertise, not experts, legal/warranty owners, field evidence	Cannot manage individual labor or waive law/safety	OSE legal/Board process; honest fork outside brand
Sponsor / Budget Owner	Budget, contracts, insurance, asset ownership, cancellation	Event, Safety, Ops, Design, Finance	Cannot declare technical acceptance or resume unsafe work	Board/legal authority
Event Director	Operational command, priorities, major schedule/scope rebaseline, final conduct decisions	All domain leads and affected people	Cannot override Safety, AHJ, QC evidence, canon or due process	Sponsor/OSE Core by domain
Project Manager	WBS, daily plan, team assignment, dependency and issue control	Module/System Leads, Ops, Safety, QC	Cannot assign unqualified work or skip hold points	Event Director
Safety Lead	Stop-work, controls, exclusion zones, emergency response and restart	Affected experts, Ops, Event Director	Cannot change product design except temporary risk control	AHJ/emergency authority; otherwise independent review
Design Lead	Baseline interpretation; Class B changes; interface resolution	Trade, Safety, QC, Schedule, Budget	Cannot approve statutory or canonical Class C alone	OSE Core / licensed professional / AHJ
Quality Lead	Inspection hold points, reject/rework, commissioning evidence	Design and Module/System Leads	Cannot redesign to make a failure pass	AHJ for legal acceptance; Design Lead for interpretation
Trade/Module Lead	Routine methods, bay setup, task coaching, Class A clarifications	Team, Safety, QC	Cannot alter interfaces/code or certify outside scope	Design/Quality/Safety
RLF Lead / Assessor	Learning authorization, assessment and skill records	Instructors and second assessor	Cannot pass attendance as competence or lower rubric for schedule	Independent second assessment
Team Lead	Task sequence and allocation within approved work package	Team and domain lead	Cannot coerce, punish reporting or improvise design changes	Project/Trade/Safety
Participant / Volunteer	Stop own/nearby unsafe work; choose among authorized tasks; document and report	Team/Trade/Safety	Cannot self-authorize regulated/high-risk work or publish others' private data	Domain owner
Hearth Keeper / Ops	Heat, food, water, sanitation, lodging, rest, accessibility; human-needs pause	Safety, Event, Hospitality	Cannot direct technical acceptance or use welfare as discipline	Sponsor after stabilization; Safety may broaden
Logistics / Clerk	Receive, inventory, issue tools/materials and routine buys	Design, QC, Budget	Cannot substitute safety/structural/interface-critical items alone	Budget Owner / Design Lead
Documentation / Media	Capture, organize and publish approved evidence; correct records	Participants, Canon, Safety	Cannot trade consent/privacy for marketing or hide failure	Canon/brand and privacy review
Welfare Reviewer	Complaint intake, mediation, accommodations and removal recommendation	Person affected, Team, Safety, Event	Cannot promise confidentiality that law/safety forbids or decide technical truth	Event Director; Sponsor on appeal

8. Concrete governance tests

Scenario	Decision path	Result / break point
Participant smells exhaust in a heated work area	Anyone stops the zone; Safety Lead measures/inspects; Hearth Keeper supplies safe heat and alternate space; only Safety/AHJ clears restart.	Clear: speed cannot override. TBD: gas-monitor thresholds, evacuation point and emergency contacts.
Two leads disagree over a faster wall connection	Check frozen drawing. If clarification, Module/System Lead logs it; if interface change, Design Lead issues Class B deviation; if structural/canonical, licensed review and OSE Core are required.	Clear classification. Risk: canon-response delay; define an on-call reviewer and maximum response time.
The build is one day behind after weather	Project Manager replans; Event Director and Sponsor choose re-sequencing, scope reduction or extension after Safety/Ops/QC advice. No skipped inspection, fatigue control or false completion claim.	Clear authority. TBD: weather reserve, maximum hours, minimum viable handoff and extension budget.
A participant repeatedly ignores PPE and insults a teammate	Team Lead intervenes; Safety may remove from zone; Welfare Reviewer documents facts and hears the participant; Event Director decides warning, reassignment or removal; post-event appeal available.	Clear path. TBD: conduct code, warning thresholds, refund/travel policy and confidentiality rules.
A proposed bathroom-module change conflicts with plumbing drawings	First, no changes! Freeze affected interface; Design Lead resolves, consulting other expertise only as needed; any deviation documented prior to concealment; canon review post facto	Clear. Risk: undocumented oral workaround; enforce hold-point signoff.
Specified fastener is missing on Day 7	Logistics proposes options. Module/System Lead may accept only an exact pre-approved equivalent; otherwise Design Lead/QC classify the substitution and Budget Owner approves cost. Structural change requires engineer approval.	Clear. TBD: approved-substitution library and emergency purchasing limits.
Participant fails a skill test but production needs labor	Borrow assistance from another team. Assessor records gaps and assigns practice or a lower-risk task. Participant may appeal to RLF Lead and second assessor. Event Director cannot waive competence evidence.	Clear separation prevents schedule-driven certification.
Remote mentor tells a team to contradict the on-site lead	Team pauses the affected step and routes advice through Remote Manager to the accountable Trade/Design Lead. Only the on-site decision owner authorizes work.	Clear. TBD: remote-advice provenance and latency protocol.
Day 10 house is weather-tight but not approved for occupancy	Quality Lead publishes actual completion and punch list; AHJ controls occupancy. Marketing may say 'assembled' or 'substantially complete' only if accurate—not 'habitable' or 'finished.'	Clear truth rule. TBD: pre-agreed public completion taxonomy.
Food delivery fails and participants have missed rest	Hearth Keeper activates backup meals and pauses noncritical work; Safety assesses fatigue; Event Director replans only after human needs recover.	Clear under the Maslow Prime Directive. TBD: minimum meal/rest service levels and backup vendors.

See also real governance scenarios- https://wiki.opensourceecology.org/wiki/Governance_Scenarios

9. First governance prototype: operating rules

The following is the concise rule set to test in the next cohort.

- Publish one authoritative event packet before launch: design version, BOM, work breakdown, schedule, role roster, decision matrix, safety plan, conduct code, quality hold points, emergency plan, data/consent notice and completion definition.
- Use one visible command board linking every work package to an owner, authorized team, prerequisite skill, drawing/version, materials, safety controls, inspection hold point, status and documentation location. – **Ideally set up QR scan WBS management – pick your modules for each day. This forces you to start learning immediately from rigorous documentation. For others coming just for fun, frame this as how much you learn is up to you depending on what your goals are for the workshop. One person may just want experience, another may want to learn professional-grade practice.**
- Require four independent readiness signatures—Technical, Safety, Human Operations and Logistics—plus Sponsor/Event approval. A red gate postpones or reduces scope.
- Treat any worker as authorized to stop unsafe work without retaliation; make the Safety Lead independent of production incentives and the sole internal restart authority.
- Freeze the build design and BOM two weeks before the course. Handle all changes through Classes A/B/C; oral deviations have no standing.
- Decide at the lowest competent level through named delegated authority and advice. Reserve OSE Core custody for canon/brand and external authorities for law/occupancy.
- Base certification and quality acceptance on published evidence. Separate assessment from production pressure and provide a second-review path.
- Protect the human-operations layer. Heat, food, water, sanitation, rest, accessibility and dignity are prerequisites, not rewards.
- Keep the build truthfully legible: daily metrics, defects, deviations, incidents, costs, schedule changes and unresolved punch items are documented and, when appropriate, published.
- Close every day with a 20-minute review: accomplishments, safety/quality signals, blockers, tomorrow's plan and one improvement to the artifact set.
- Close the event only with an explicit status: complete and approved; complete pending defined external approval; or incomplete with a named owner, budget and date for each remaining item.
- After the event, hold a blameless but accountable review, update procedures, publish the financial and performance report, and route canon changes to the Canon Maintainer.

Minimum governance artifacts

Artifact	Owner	Freeze / update rule
Event charter and definition of complete	Sponsor + Event Director	Approve before recruiting claims; change only by joint decision.
Canonical design set and interface register	Design Lead + Canon Maintainer	Freeze two weeks before; version every approved deviation.
BOM, inventory and substitution list	Logistics + Design + QC	Lock two weeks before; receiving check before Day 1.

Artifact	Owner	Freeze / update rule
Hour-by-hour WBS and team authorization board	Project Manager – <i>ideally an App</i>	Baseline before Day 1; replan daily with audit trail.
Safety plan, hazard register and emergency contacts	Safety Lead	Verify before launch; update immediately after new hazard/incident.
Quality plan, hold points and commissioning sheets	Quality Lead	Approve before production; completed evidence required for closeout.
Skill rubrics and participant competency records	RLF Lead	Publish before assessment; never retroactively lower a standard.
Human-operations service plan	Hearth Keeper	Minimum heat/food/water/sanitation/rest levels and contingencies set before launch.
Consent, privacy and media protocol	Documentation Lead + legal/privacy reviewer	Obtain before capture; record withdrawals/corrections.
Decision, deviation, incident and issue logs	Named domain owners	Update contemporaneously; review at daily close.

Review and amendment

This prototype is valid for one pilot cohort. The Event Director owns operational amendments; the Safety Lead, Design Lead, Quality Lead, Hearth Keeper and OSE Core must concur where their protected domains are affected. Every amendment is versioned with rationale. After the cohort, OSE Core accepts, rejects or requests revision before the model is reused or represented as canonical.

PART II — AI CRITIQUE OF THE PROTOTYPE

This section does not create governance authority. It identifies questions the team should answer before adopting Part I.

A. Contradictions and ambiguities

Issue	AI critique / question for humans
'Absolute' Build Commander authority vs. protected domains	Earlier FBCC material assigns absolute build authority to the Build Commander, while OSE governance makes safety margins non-negotiable and external law cannot be delegated. Rewrite 'absolute' as operational command subject to Safety, AHJ, QC, canon, budget and participant-rights boundaries.
50 in-person seats vs. 24 residential places	The story describes 48 builders and 24 on-site residents; the iconic budget uses 50 in-person participants and 24 double cabins. Decide whether 24 cabins house 48 people or only 24 people, and publish commuting, transport, bathroom and emergency-capacity assumptions. <i>36 people – with 12 doubles and 12 singles, which is representative of couples. Rest go to HabLab or camp out.</i>
Five-day completion claim vs. demonstrated baseline	The 2025 event reported roughly 75% completion after a longer build. Define the exact house size, pre-fabrication level, 'complete' state, critical-path staffing, weather reserve and contingency before marketing a five-day full-house finish.

Issue	AI critique / question for humans
Open documentation vs. personal data	Time-lapse, performance tracking, AI/computer vision and testimonials create privacy, bias and consent risks. Define retention, access, opt-out, correction, model use, minors, commercial reuse and whether refusing media affects participation.
Canon stability vs. recursive improvement	The model requires a frozen source of truth but also expects live innovation. As a general rule – no changes. Document suggested changes, but do not implement due to downstream effects. If design appears readily executable and no new parts are needed, escalate to Design Lead for approval.
Meritocracy vs. due process	Demonstrated competence should allocate technical authority, but status can become personality-based. Make status data-based: your data collection in RLF modules for module/system understanding, build speed, and quality. Implement System Understanding a part of the OSE Tutor: drag and drop ability tests whether you understand design sufficiency and completeness, and the OSE Tutor asks you to explain each component verbally, assigning you a score up to 100: if you used every correct component for a module/sub-module and could tell what each does, you get 100% . Publish rubrics, conflicts-of-interest rules, second assessment, removal criteria and appeals. In general, evidence (data) trumps authoritarianism – design that as the core of meritocracy.
Participant tuition/labor vs. ownership of output	State who owns the house, sale proceeds, documentation and inventions; what participants receive; what refunds apply; and how surplus is reinvested. Avoid implying wage, equity or accreditation not actually provided.

B. Missing controls and edge cases

- Legal entity, permits, insurance, workers' compensation/volunteer classification, waivers, licensed-trade scope and authority for occupancy/energization.
- Medical response, first-aid staffing, severe weather, fire, power loss, missing person, contagious illness, evacuation, transport and communication outage.
- Fatigue limits, maximum shift length, rest days/breaks, hearing/respiratory exposure, accessibility and reasonable accommodations.
- Background checks or safeguarding if minors or vulnerable adults participate; harassment and sexual-misconduct procedures.
- Financial thresholds, emergency spending, purchasing conflicts, sponsor influence, cash handling, refunds, travel support and completion-overrun funding.
- Tool control, lockout/tagout, machine authorization, damage/loss, battery charging, housekeeping and hazardous-material storage/disposal.
- Quality independence, nonconformance quarantine, traceability of concealed work, commissioning authority and post-handoff warranty/callback ownership.
- Cybersecurity and operational safety for telepresence, remote cameras, AI advice, network outages and any teleoperated material-handling equipment.
- Neighbor/community impacts: noise, traffic, dust, waste, water, permits, visitor management and public-demonstration crowd control.
- Succession if the Event Director, Safety Lead, Design Lead or Hearth Keeper is absent; deputies must be named before launch.

C. Likely failure modes

Failure mode	How it appears	Control to test
Role overload	Build Commander or Hearth Keeper becomes the bottleneck	Name deputies; cap spans of control; keep Safety/QC independent.
Paper authority, social override	Published matrix is ignored under charisma or urgency	Practice escalation in orientation; log decisions; protect reporters.
Documentation lag	As-built state diverges from drawings and canon	No concealment/closeout without linked evidence and hold-point signoff. Photographic QR-code-based QC app catches blatant errors, and suffices for fine QC points.
Training-production conflict	Beginners are pushed into work to recover schedule	Competency-gated assignments; additional coaches; scope reduction. Collective Skill Gate threshold prior to start of build phase, and remediation (more RLF skill acquisition) during build phase.
Change avalanche	Small deviations cascade across modules	'No changes canon' afforded via Iconic CAD completion. Two-week freeze; interface register; Class B/C change budget and cut-off.
Optimistic completion claims	Marketing outruns inspection and commissioning	Predefined completion taxonomy; Quality/AHJ signoff on claims.
Human-needs collapse	Meals, heat, sleep or sanitation fail	Minimum service levels, backups and Hearth Keeper pause authority.
Remote advice confusion	Conflicting instructions enter bays	Single remote intake channel and accountable on-site authorization.

D. Decisions for the team today

- Confirm the single Event Director (**hired**) and independent Safety Lead, Quality Lead (**App**), Design Lead (**MJ**), Hearth Keeper (and deputies).
- Approve the protected-domain rule: operational command cannot override canon, safety, law, quality control, participant rights or human-needs thresholds.
- Choose the exact house/version, module set, participant count, residential capacity, pre-fabrication boundary and definition of 'complete and habitable.'
- Approve the four-part readiness gate and name the person who may postpone the event when a gate is red.
- Approve change Classes A/B/C, design/BOM freeze date and on-call canon/licensed review path.
- Set budget thresholds, emergency spend, contingency, ownership of the house, sale/revenue allocation and refund policy.
- Approve certification rubrics, production prerequisites, second assessment and nonconforming-work process.
- Approve conduct, grievance, non-retaliation, removal and appeal rules.

- Approve media/data consent, retention, AI use, privacy and public completion-language rules.
- Set minimum heat, food, water, sanitation, rest, accessibility and medical coverage required to operate.

APPENDIX — SOURCE REGISTER

- [S1] [Future Builders Crash Course Story](#) — 10-day model; RLF cycles; peer teaching; 48 participants in two-person teams; remote support; certification; full-house sequence.
- [S2] [Iconic Future Builder Crash Course](#) — Modular/passive-house scope; utilities modules; participant/staff/budget assumptions; recurring-course model.
- [S3] [Future Builders Crash Course – December 2025 / Feedback Form](#) — Prior schedule; facility, weather, tool-control, WBS, food, lodging and documentation lessons.
- [S4] [Dec 2025 FBCC Feedback Form – MJ](#) — Reported completion and modular electrical/utilities lessons; need for CAD stations and automated documentation.
- [S5] [OSE Values](#) — Open culture, transformative approach, systems thinking, learning, excellence, integrated humans and mission focus.
- [S6] [OSE Specifications](#) — Open/collaborative, modular, scalable and product-ecology principles; abundance orientation.
- [S7] [OSE Governance](#) — Custodial canon authority; decentralized execution; non-negotiable safety, documentation, benchmarks, openness and artifact governance.
- [S8] [OSE Social Contract](#) — Radical cooperation/transparency, dignity, integrity, growth and pay-it-forward teaching.
- [S9] [Future Builder Crash Course Enterprise Development Spreadsheet / SOP](#) — Maslow Prime Directive; hybrid command; Hearth Keeper; safety pause; BOM lock; Clerk of Works; replicable micro-lessons.
- [S10] [Future Builders Enterprise Track](#) — House-build/RLF/document cycle; OSE Core authority over canonical definitions, interfaces, acceptance, benchmarks, docs, brand and warranty.
- [S11] [Strategy and Operating Model for the FBCC](#) — Need for a bounded, repeatable operating model with actors, decision rights, governance, risks, metrics and feedback.
- [S12] [Future Builders Crash Course Video Plan](#) — Distributed media capture, quality-point documentation, nightly upload and reusable instructionals.
- [S13] [Future Builders Enterprise Formation Track](#) — Voluntary, reversible participation; no lock-in; publish everything; honest economics and graceful exit.
- [S14] [Future Builders Academy Tracks](#) — Distinct production and design pathways; real-production handoffs and visible metrics.
- [S15] [Future Builders Academy Model](#) — Validation questions: governance, infrastructure, social contract, economics, onboarding and data-driven improvement.

Source limitations

Several supplied pages are stubs or pointers to external files rather than substantive text (including the crash-course planning page, the Academy module-breakdown page, and the boot-camp curriculum page). Several wiki pages also label embedded material as originating in prior AI chats. This draft therefore gives highest weight to concrete operating descriptions, recorded event feedback, explicit OSE values/specifications, and current OSE governance text.

It should be reviewed by the human team, legal counsel, [PEs for open source reference engineering](#), licensed building professionals and the local AHJ before use.