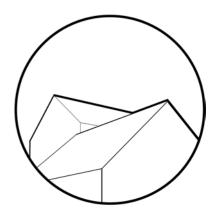
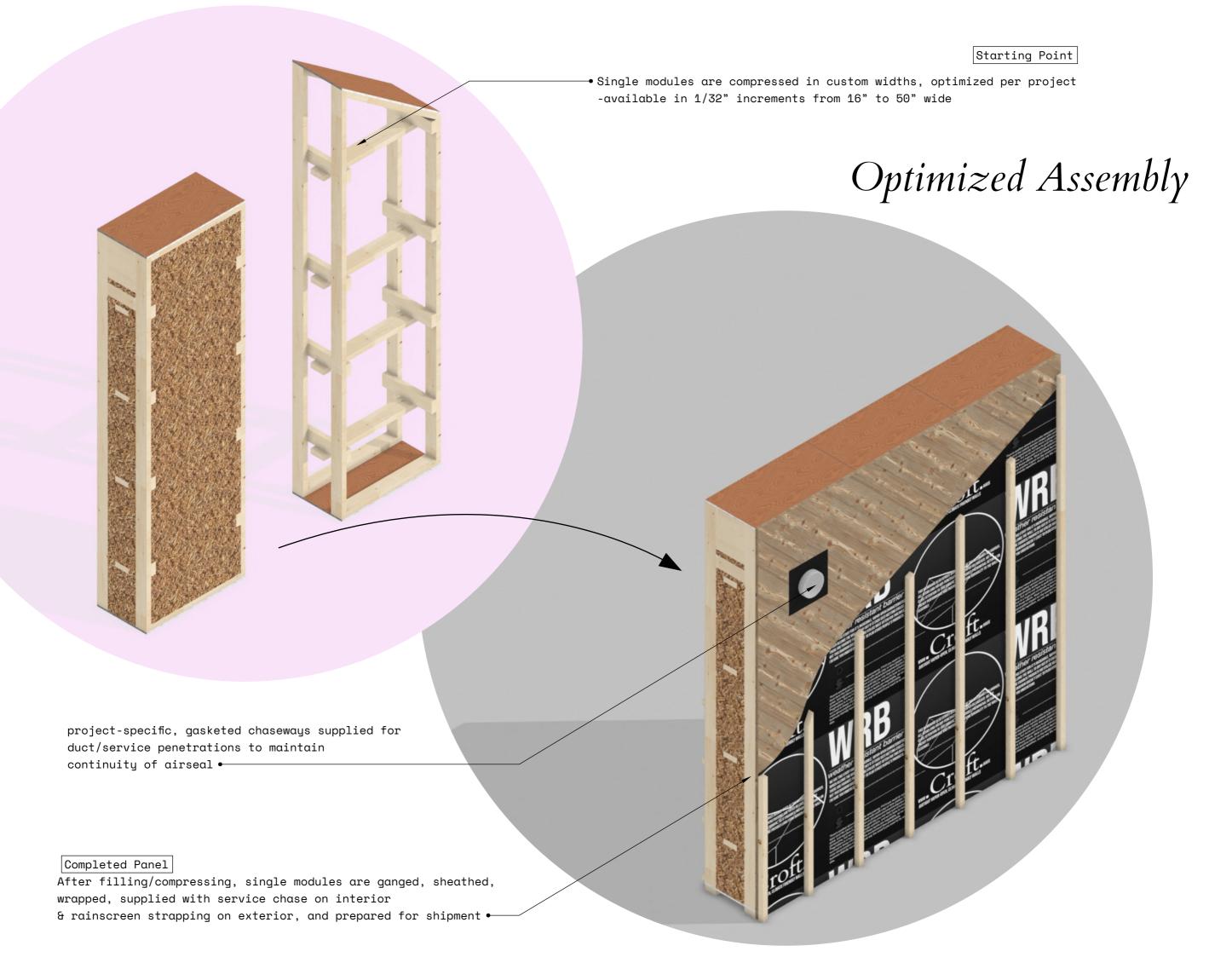
Croft for Architects

- Croft is unlike virtually any other component supplier: we provide a carbon-negative building envelope with unparalleled environmental credentials.
- From sourcing to production, our company prioritizes climate-positive behavior. Our manufacturing utilizes a tiny fraction of the energy of comparable processors, and we have single-link supply chains, purchasing from local organic farms practicing no-till agriculture and Maine-based lumber mills with FSC certified timber.
- Think: Passivhaus pedigree with a natural-material slant. Our building panels are airsealed inside and out, achieving high-performance thermal and exceptional acoustic insulation levels.
- The wall assembly described herein is vapor open, highly resistant to mold and mildew, structural, and fire-resistant. In-house testing reveals that 10 minutes of exposure to a 20,000 Btu flame self-extinguishes within seconds. A 1 minute exposure to 500,000 Btu flame extinguishes immediately.
- Our system is designed to be trade-friendly, with a ready-made service chase, rainscreen, and pre-gasketed chaseways to maintain high long-term reliability & building performance. We sweat the details so future generations can rest easy.
- Healthy, non-toxic construction: Our panels are crafted with straw and lumber containing zero added VOCs, formaldehyde, or other chemicals, with Living Building Challenge Red List Free air & water membranes.
- Our diligent team is able to solve detailing and design coordination across a myriad of assemblies and building typologies. We know every project is unique: just ask about customized options!





Anatomy of a Croft Panel

- ≈R-38.8 insulation value (based on similar panel testing)
- typical OA finished wall depth of ≈ 21.5" (assumes 1/2" GWB and 3/4" exterior cladding)
- · redundant interior & exterior air seal, vaporopen assembly
- 99% plant-based, carbon sequestering building materials by weight

1. Service Chase* - 16" OC horizontal battens & nailbase for interior finish. (typically 1 1/2" - other depths available upon

2. Variable-Perm "Smart" Vapor Retarder*, airtight

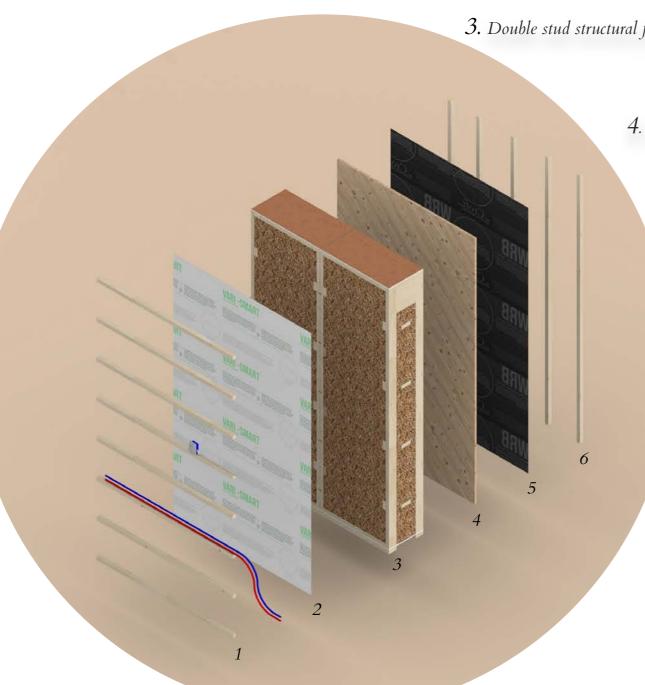
3. Double stud structural frame with supercompressed straw infill

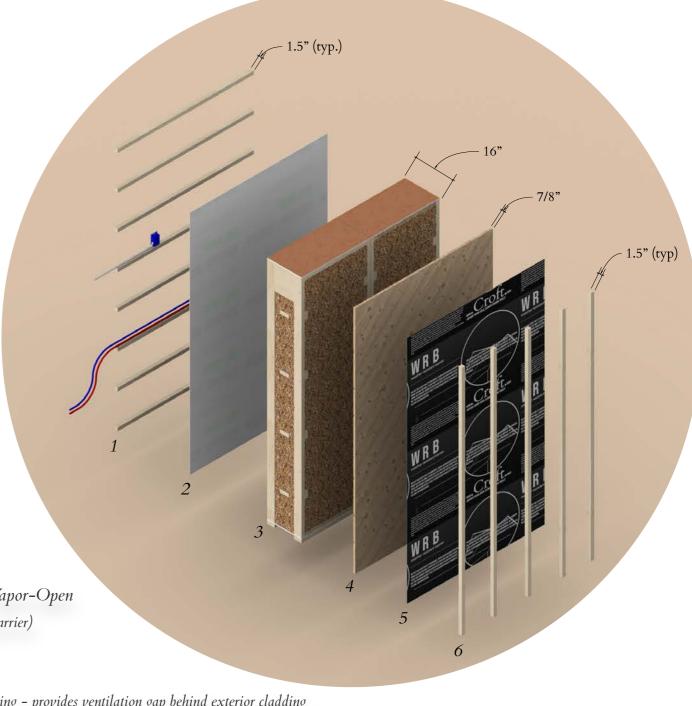


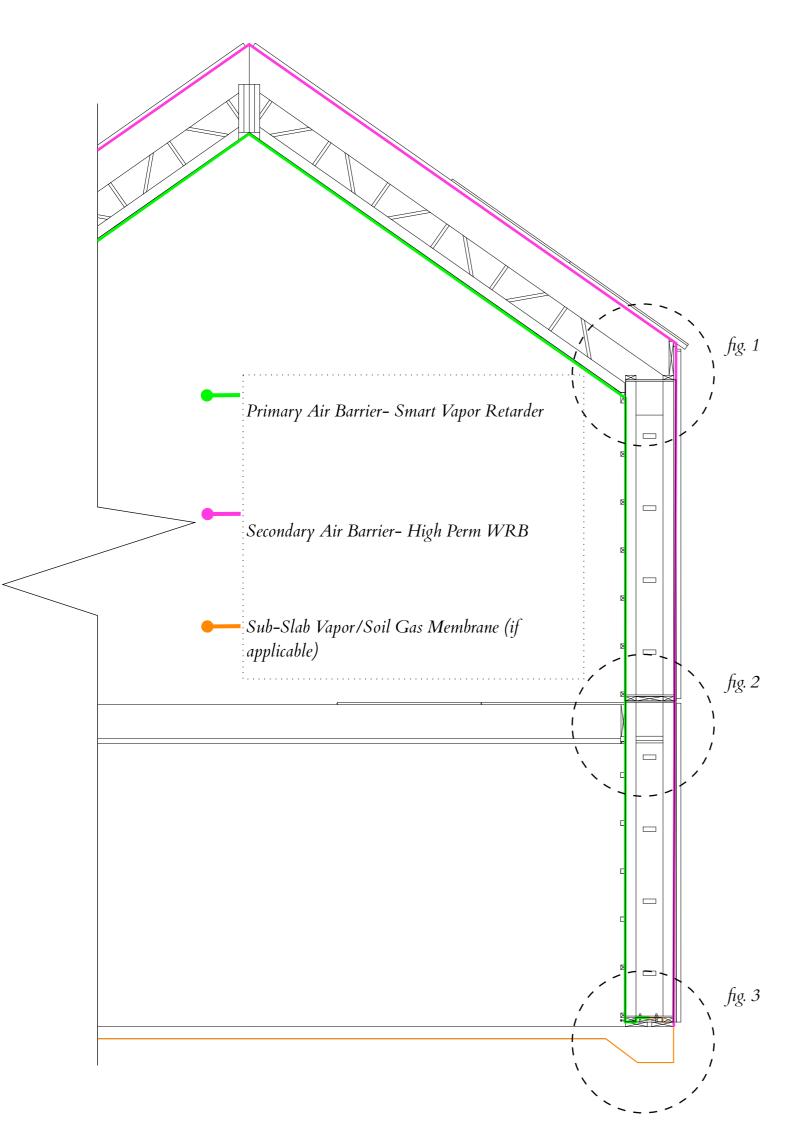
5. High Performance, Vapor-Open WRB (weather-resistant barrier)

6. Rainscreen strapping - provides ventilation gap behind exterior cladding

* Layers 1 & 2 may be omitted if utilizing airtight plaster system direct to straw panel



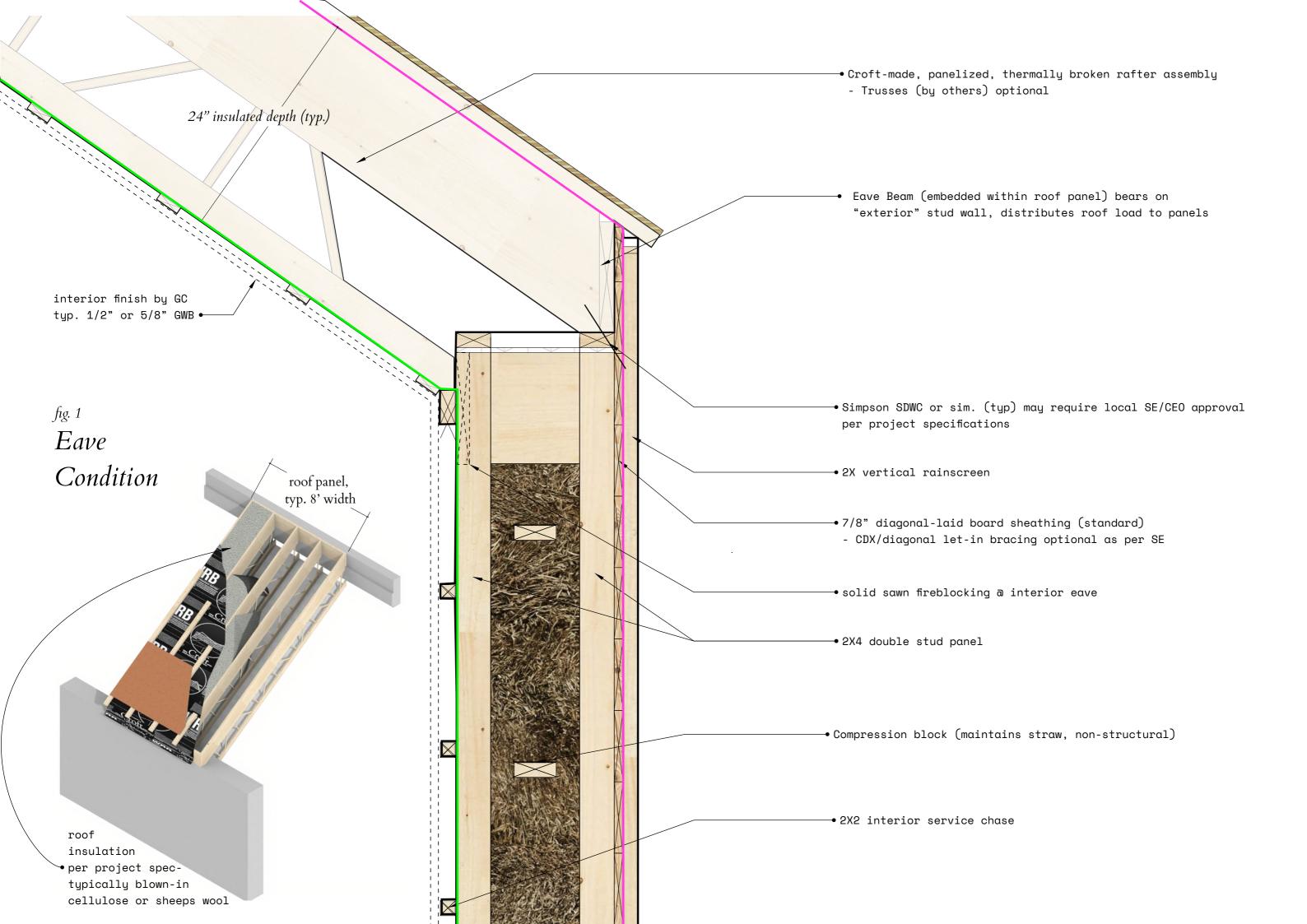


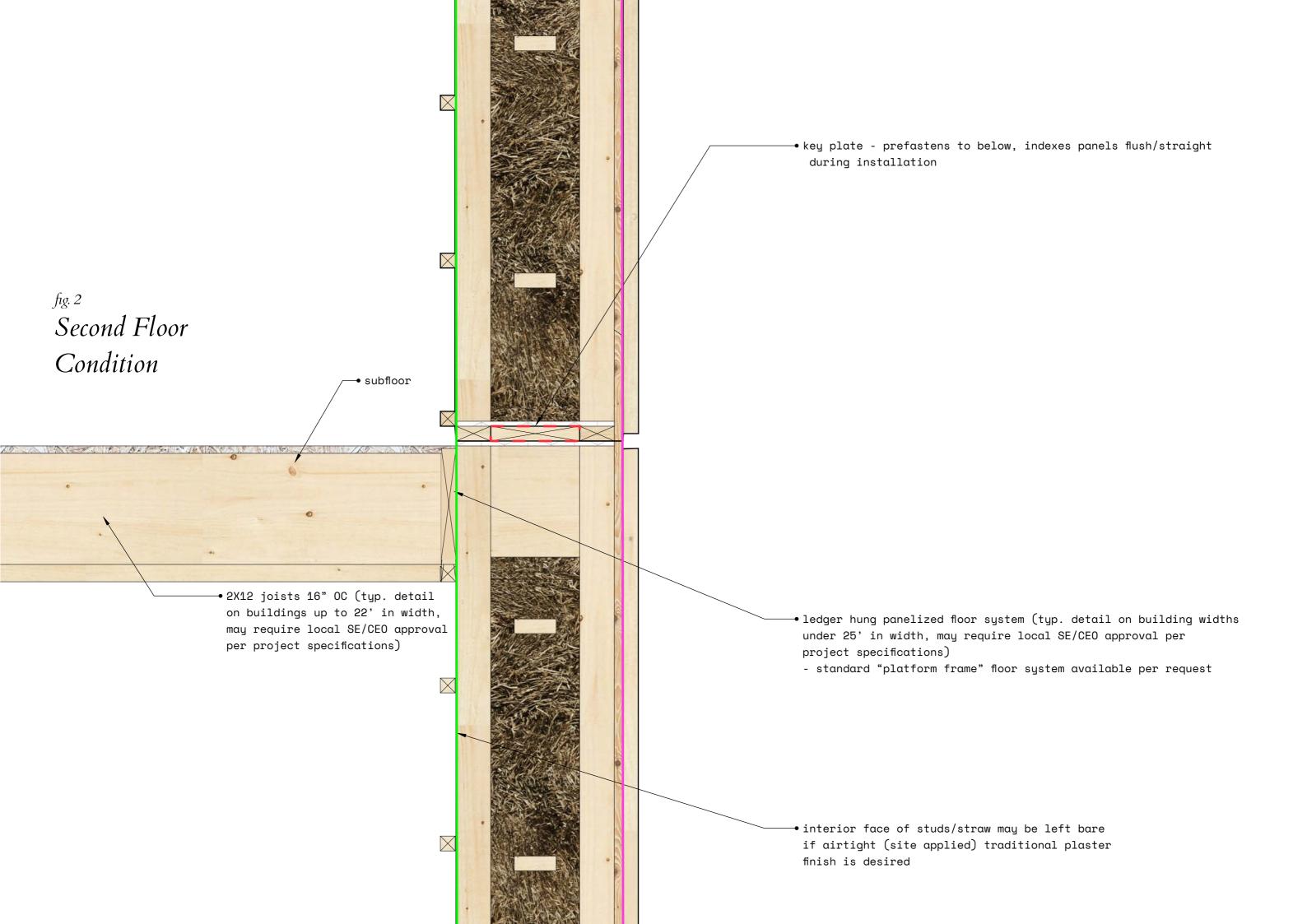


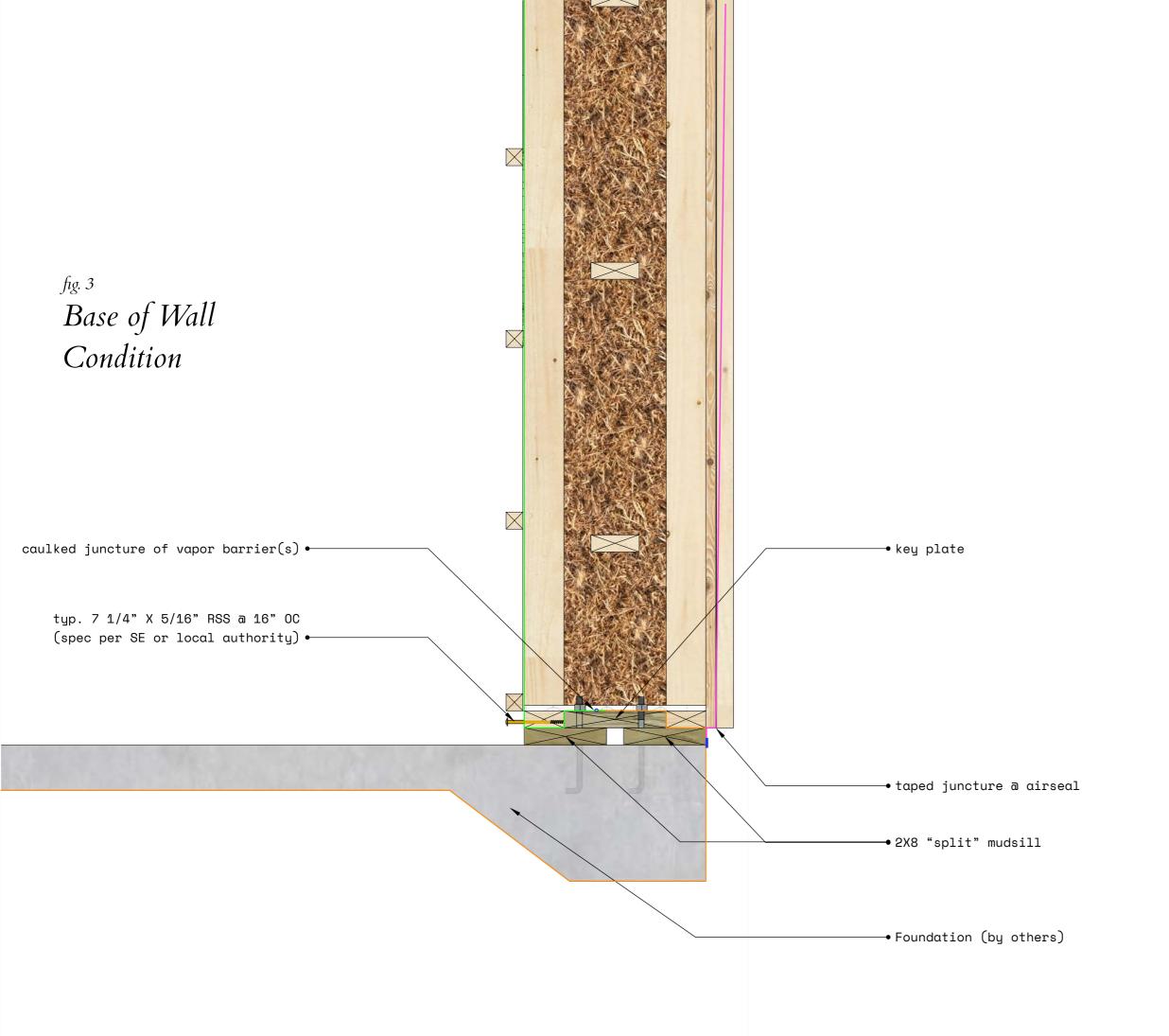
Detail Key

Details and schematics shown herein are typical of Croft assemblies and have been approved in regional projects. They are provided here as clarifying details for the purposes of communicating typical panelization assemblies, and should not be used for construction without approval from local jurisdiction and/ or structural engineer. Details subject to change without notice- inquire with Croft and local SE as per specific project requirements.

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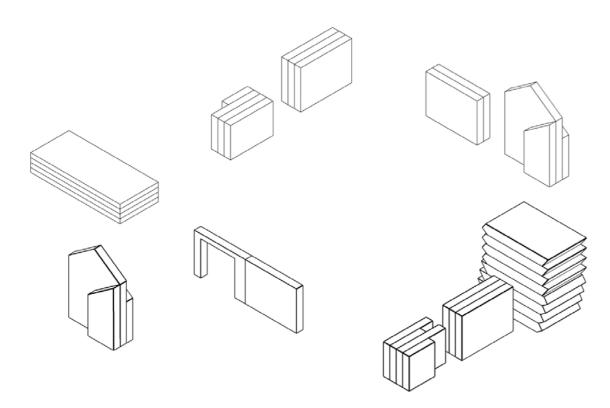


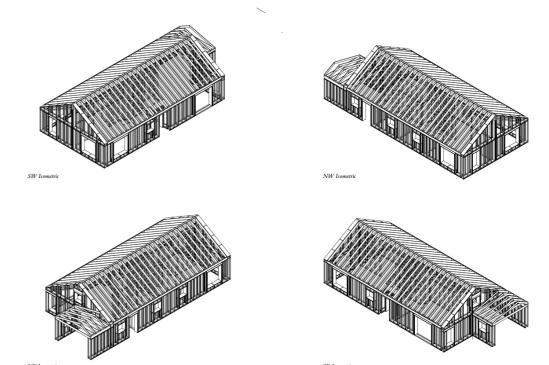




Working With Croft

- 1. Early involvement is best; schematic design stage is an ideal time to begin the conversation about optimizing your design for panelization.
- 2. At or near completion of design development, your firm will provide 2D plans and elevations with dimensions given to Outside Of 2X Framing (not including sheathing).
- 3. Croft will use the given framing dimensions to establish a "control" section and submit for review. Control Sections typically a section view of the structural system will display panel heights, roof, foundation, and floor connection details- this allows broad-strokes communication to occur before full panelization/shop drawings are undertaken.
- 4. After approval of Control dimensions, Croft will prepare a full suite of shop drawings, including specified duct/ chaseway locations, panel junction/break locations, and layout of structure, rainscreen, and service chase locations. This set of drawings will express the full breadth of Croft's scope for the project, aiding in clarity for any local GC's or other build partners.
- 5. After approval and sign-off from your team, we fabricate the panels and prepare them for delivery!
- 6. Panels are delivered and erected on site, either by our team or local GC. Typical on-site assembly time for a 1,500 SFH envelope is 2-3 days.





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