

SITE PREPARATION

1. Items to inspect that may affect proper installation of panels:
 - a. Clean and level substrate (slab, etc.)
 - b. Grade
 - c. Other conditions that may interfere with construction, e.g. trees, highlines, etc.
 - d. Permission for truck/crane to access through neighboring property.
 - e. Fences or obstruction to be removed before delivery.

2. Adverse conditions should be reported to Agriboard in writing, at the earliest possible time, to allow an engineered solution before construction begins.

3. Foundation poured and checked for level and squareness:
 - i. The foundations / slabs should be level to within $1/8"$.
 - ii. The foundation squareness should be within $1/4"$.
 - iii. Approved j-bolts or epoxy type anchor bolts should be installed as specified by customer's structural engineer.
 - iv. Typical slab penetration depth for anchors is $6"$ to $8"$.
 - v. The recommended height of threads above the slab is $2-3/4" \pm 1/4"$.
 - vi. The spacing of approved j-bolts or epoxy type anchor bolts (typically 4 - 6') to be per code for your area or per structural engineer's specifications.
 - vii. For $4-3/8"$ panel, attach j-bolts $2-3/16"$ measured from the inside edge of string line at the edge of the slab.

4. For site to be ready for panel installation, the following minimum standards must be met:
 - a. Items 1, 2 & 3 complete.
 - b. The area around the foundation should be level, compacted and backfilled to the foundation wall. Trenches and entryways need to be backfilled, leveled and compacted to support a 65,000 lbs. load.
 - c. Septic tank, drainage or sewer lines, water lines, etc. need to be marked or flagged before delivery.
 - d. Entry to the site should allow access of at least 14 feet high and 15 feet wide.

RECOMMENDED MATERIALS LIST

Items Supplied by Agriboard Industries:

1. Pressure treated sill plates and all connecting profiles, cut to size. Sealed on-site with Permachink Shell Guard.
2. Construction adhesive - Titebond Subfloor Adhesive.
3. 5/16" x 3-1/2" R4 Star Head screws
4. 5/16" x 6" R4 Star Head screws, if needed
5. Simpson Strong Tie connectors and nails, when specified by Agriboard's design.

Items Supplied by Customer:

1. Fork Truck with 6' forks or crane.
2. Panel lifting jig / device as detailed below.
3. Sill seal gaskets @ 5-1/2" wide for 4-3/8" panels
4. Minimally expanding foam aerosol to seal Agri-Panel lifting holes and electrical chase holes.
6. Incidental 2"x 4" studs as temporarily braces to maintain a safe and level position when setting panels.
7. Wall outlet boxes must be surface-mount type to attach to OSB. Specify offset boxes for use with dry wall.
8. Metal flashing - as required per customer's specifications.
9. Exterior caulk - Permachink Energy Seal.
10. Simpson Strong Tie connectors for racking, seismic or uplift, as required by customer's specifications.

Required Panel Lifting Jig / Device

Purchased from Agriboard at a cost of \$100 per set. The fee is fully refundable on return.

Lifting wall panels requires (see sketch):

1. 2 pairs of 1/2" x 4" x 8" steel plates; each plate having a 7/8" hole located 1-1/2" in at each end.
2. 4 each 3/4" x 10" grade 8 bolts, nuts and washers
3. 2 each 2" x 8' lifting straps, rated for a minimum of 3000 lbs. each, with loops at each end - typically supplied by the crane operator.

Other Recommended Tools Supplied by Customer

- 2 each 6' forklift extensions.
- 2 each pry bars @ 2', 3', and 4' lengths.
- 3 Screw guns, 6.5 amps Makita or equivalent.
- T25 bits to fit R4 Star Head screws.
- 6 lb. sledge hammer to completely seat the profile keys into the panels
- Drill and bits to drill and countersink wooden sill plates.
- Other misc. power tools: e.g. circular saw to cut doorway struts
- 4 each 1/4 gallon caulking guns
- 2 each eight foot (8') ladders to safely install top keys. Tall structures require extension ladders, scissor lift, etc. to access panel tops.

Recommended Crew Size

Recommended crew size: 6 people

- a. Laborers - 4
- b. Sky Track or crane operator - 1
- c. Supervisor - 1