

EZ Concrete Forming

Assembly Manual

(This manual in no way purports to replace the project engineer's specifications and structural requirements. Please read this manual in its entirety before attempting to assemble the EZ concrete forming system. *)

1. Start with corner



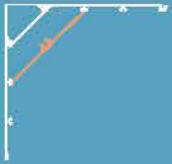
2. Add '45' and 180° vertical connector



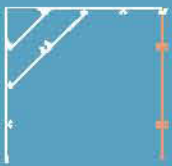
3. Add 2 - 6" panels



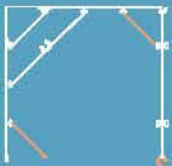
4. Insert 2 - '45's and 90° vertical connector



5. Add 8" connector



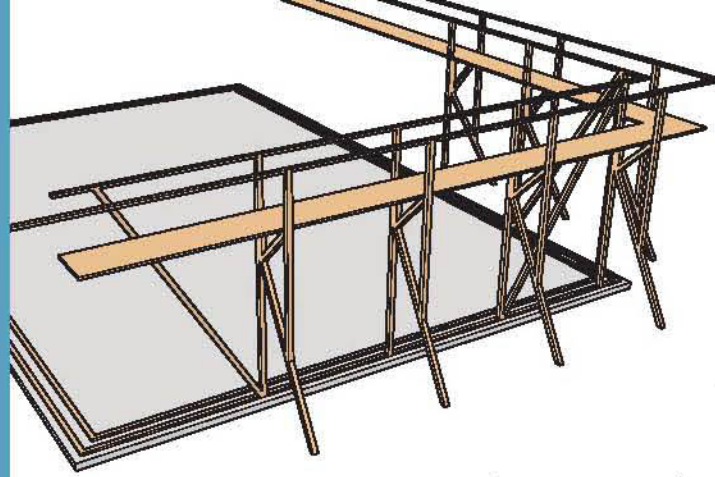
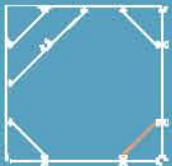
6. Insert 2 - '45's and 90° vertical connector



7. Add 8" connector



8. Complete the corner assembly with final '45'

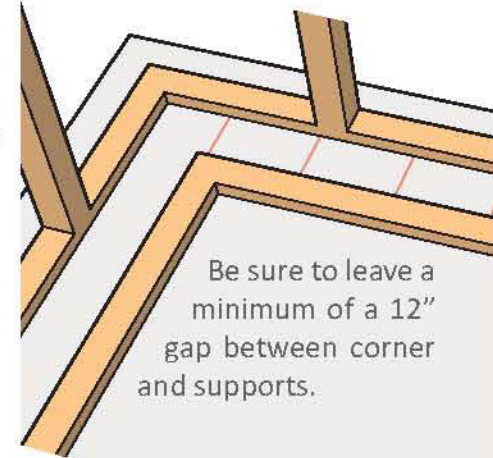


1. Pour concrete slab or footing.

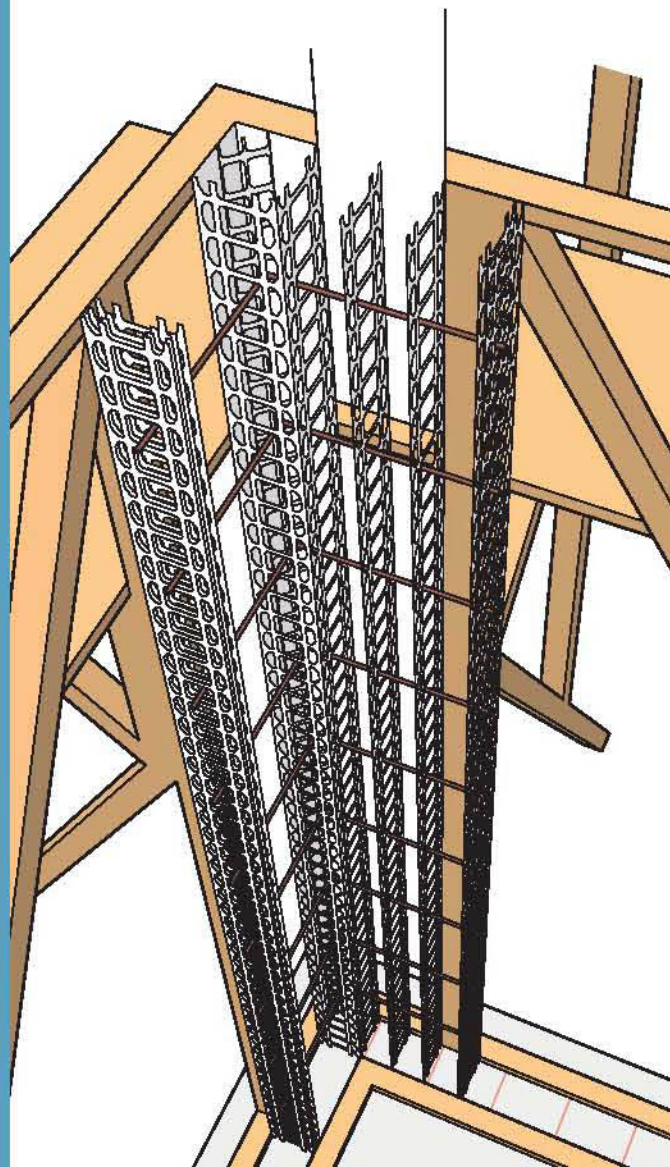
2. Construct scaffolding and shoring.**

3. Mark concrete every 1', starting with the inside corner, in order to ensure correct placement and alignment of formwork.

4. Assemble corner using steps 1 through 8 and stabilize corner steel with enough connectors for every 6" of steel.

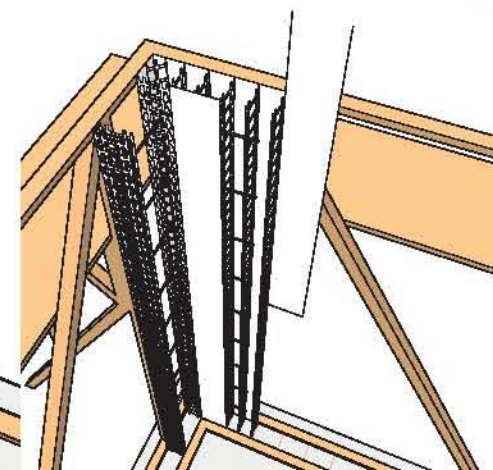


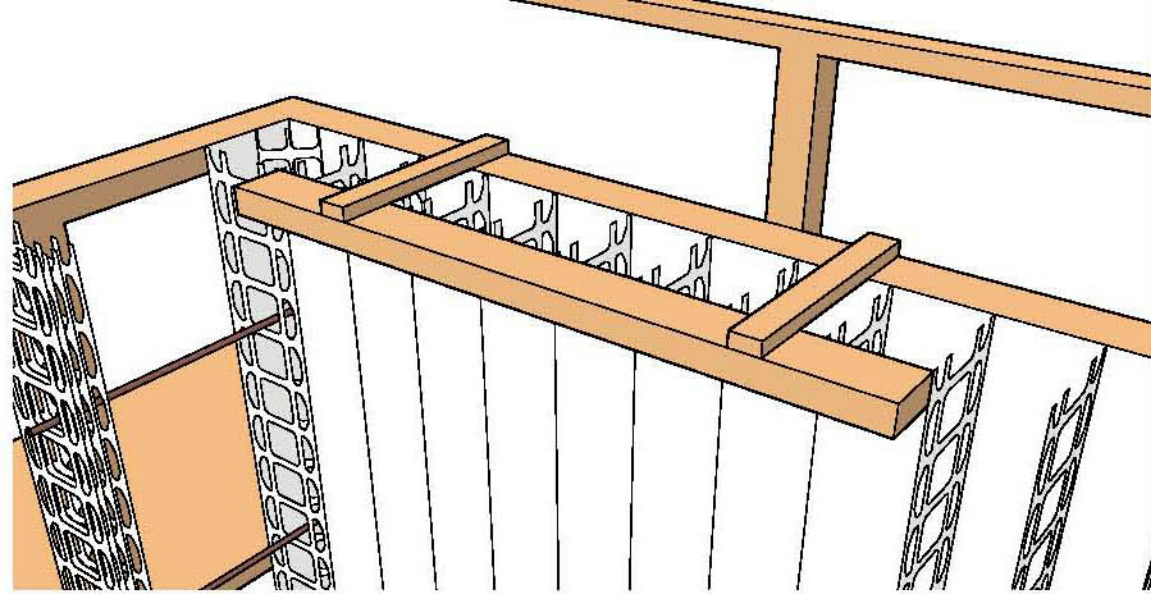
Be sure to leave a minimum of a 12" gap between corner and supports.



5. Continue

by following steps 9 through 13 on the following page. Each panel joint contains 1/32" play to allow for proper alignment with placement markings



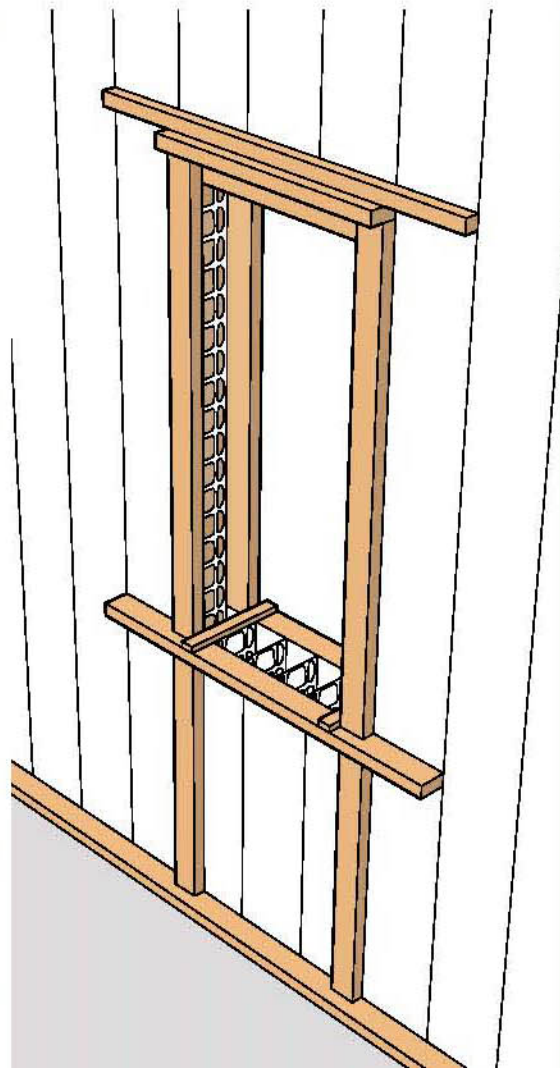
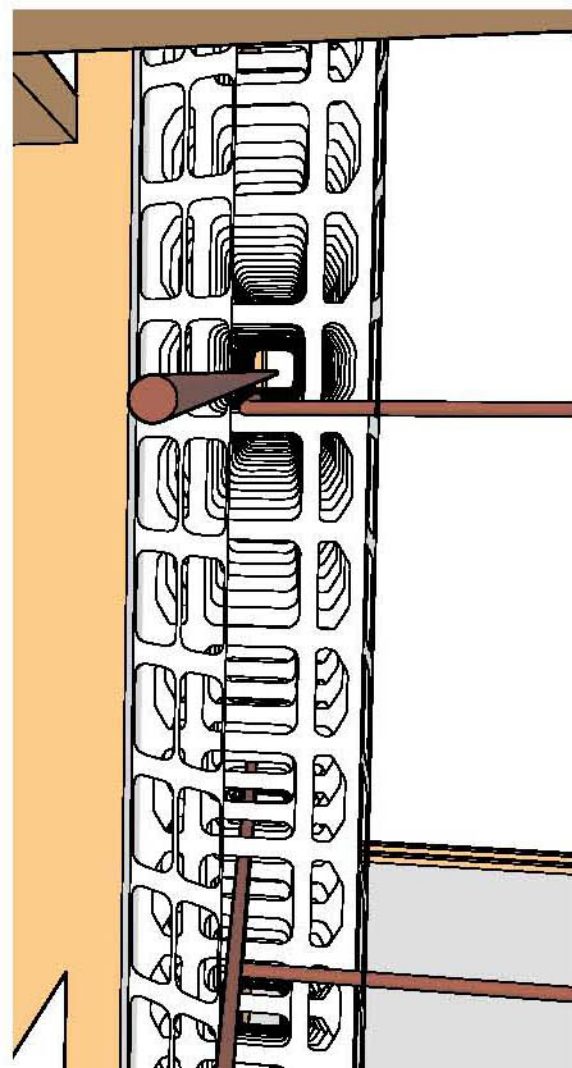


6. Support the top of the completed formwork with 2x4 and 1x2 'straps' in 4' to 5' lengths at the beginning of the wall, tie together at the corners and later replace with 10' lengths.

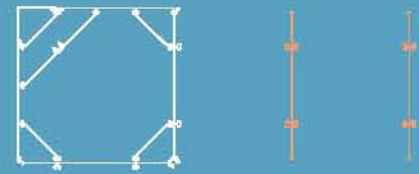
7. Once 19' of wall has been completed, slide up corner panel and slide steel into formwork at an interval determined by the project engineer.

8. To ensure proper support for a window or door opening, be sure to construct a frame to bear the weight of the concrete.

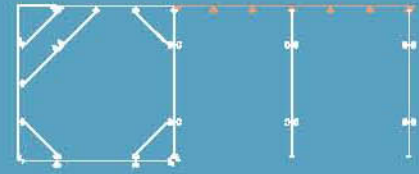
(See pages 19 and 20 in the Engineering Manual for detailed sections)



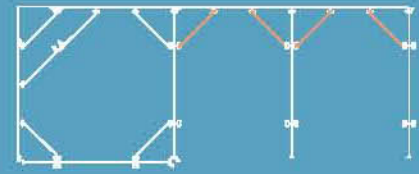
9. Continue with connectors



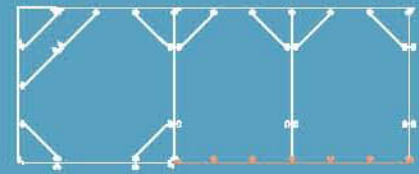
10. Add 12" panel



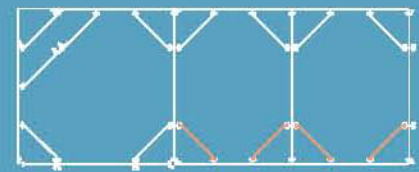
11. Insert 4 - '45's



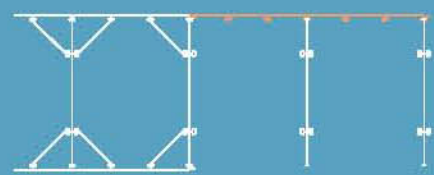
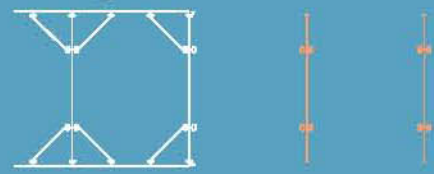
12. Add 12" panel

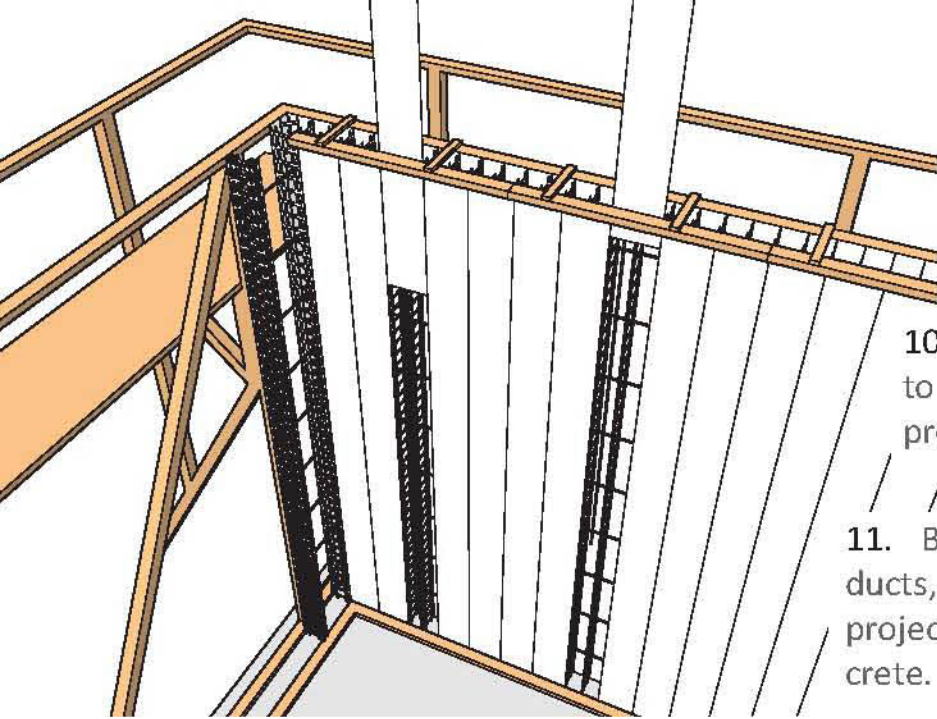


13. Insert 4 - '45's



Continue wall with steps 9 through 13





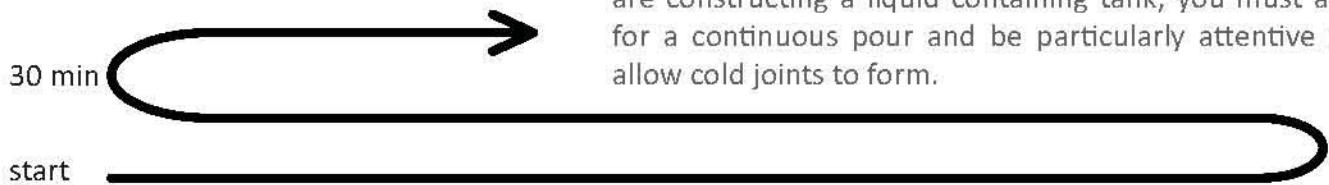
9. Slide up panels in order to tie vertical steel at an interval determined by the project engineer.

10. Continue by constructing all other walls to complete the enclosure by following this procedure.

11. Be sure to place any electrical conduits, ducts, anchors or insulation as required by the project engineer before the pouring of concrete.

12. Pour concrete, with a 3" slump, plasticizer, and 3/8" aggregate, into forms using the following technique:

Pour concrete starting with one corner and continuously pour along the length of one wall to set the bottom of the forms to a 1' to 2' depth. Return to the original corner in no more than 30 minutes with a further 3' to 4'. Every 30 minutes you can pour another 4' or 6'. Be sure to vibrate using a small diameter head vibrator after every pass using a standard technique. Over vibration is not advisable. Don't forget to straighten the wall soon after pouring before the concrete hardens. If you are constructing a liquid containing tank, you must arrange for a continuous pour and be particularly attentive not to allow cold joints to form.



* This manual is only a guide to communicate the assembly logic behind the EZ Concrete Forming System. To ensure proper assembly of a more complicated structure than the 8" wall shown, please contact us or a structural engineer with any questions. Forms taller than 15' may require an intermediate brace.

** Your project engineer must provide shoring design and structural steel reinforcing specifications to meet local building codes and workman's compensation safety requirements. (Shoring must be strong enough to support empty forms and withstand local conditions such as high winds).

EZ Concrete Forming Systems Ltd.

9 Semana Crescent
Vancouver, B.C. V6N 2E1
Canada

p: 604.733.2597
f: 604.733.2545
c: 604.780.1702

info@ezconcreteforming.com
www.ezconcreteforming.com



EZ Concrete Forming