

ZONT **TWIST** BRACING

FOR CATWALK HEIGHT GREATER THAN 6'

11 Align wall by plumbing corners with 6' spirit level. Attach 3/4" blocks on outside end of each face, run stringline between. Use 8" hex extension, 10 mm driver & electric drill to adjust Zuckles™ & align top edge 3/4" from stringline. Replumb wall before, during, after pour.

10 Build rest of wall. Attach top row of Zonts™ at top of wall on left side of strongback. Use 8" extension on impact drill to screw around strongback. Place 2x4 walers in Zont, then twist cam to lock bracing to ICF wall.

9 Install pairs of 2x10s around the perimeter, ensuring all ends are supported completely. Attach 2x4 top rail at least 36" above catwalk with mid rail half way between.

8 Solidly drive two stakes into ground at different angles for maximum strength. Screw stakes to base of kicker. For slabs, use two 24" 2x6s jointed to form an "L". Adjust Zuckle™ to plumb strongback (fine adjustment is done later with stringline).

7 Attach Zuckle™ to top of 2x4 kicker, then screw attach assembly to top 2x6 at 45° angle.

6 Cut 2x6 supports 30" long. Nail or screw the 2x6, strongback and second strongback into a triangle as shown to support the catwalk. Use #10 screws to ensure adequate shear strength.

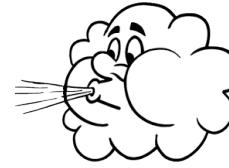
5 Place STRAIGHT 2x4 strongbacks on right side of Zont™, toe-nailing base to 2x4 plate. Tighten cam counter-clockwise to lock waler and strongback to wall.

4 Place 2x4 walers in Zont™ saddles. Scab 4' 2x4 over joints for continuity. Scab 1x4 over corner joint.

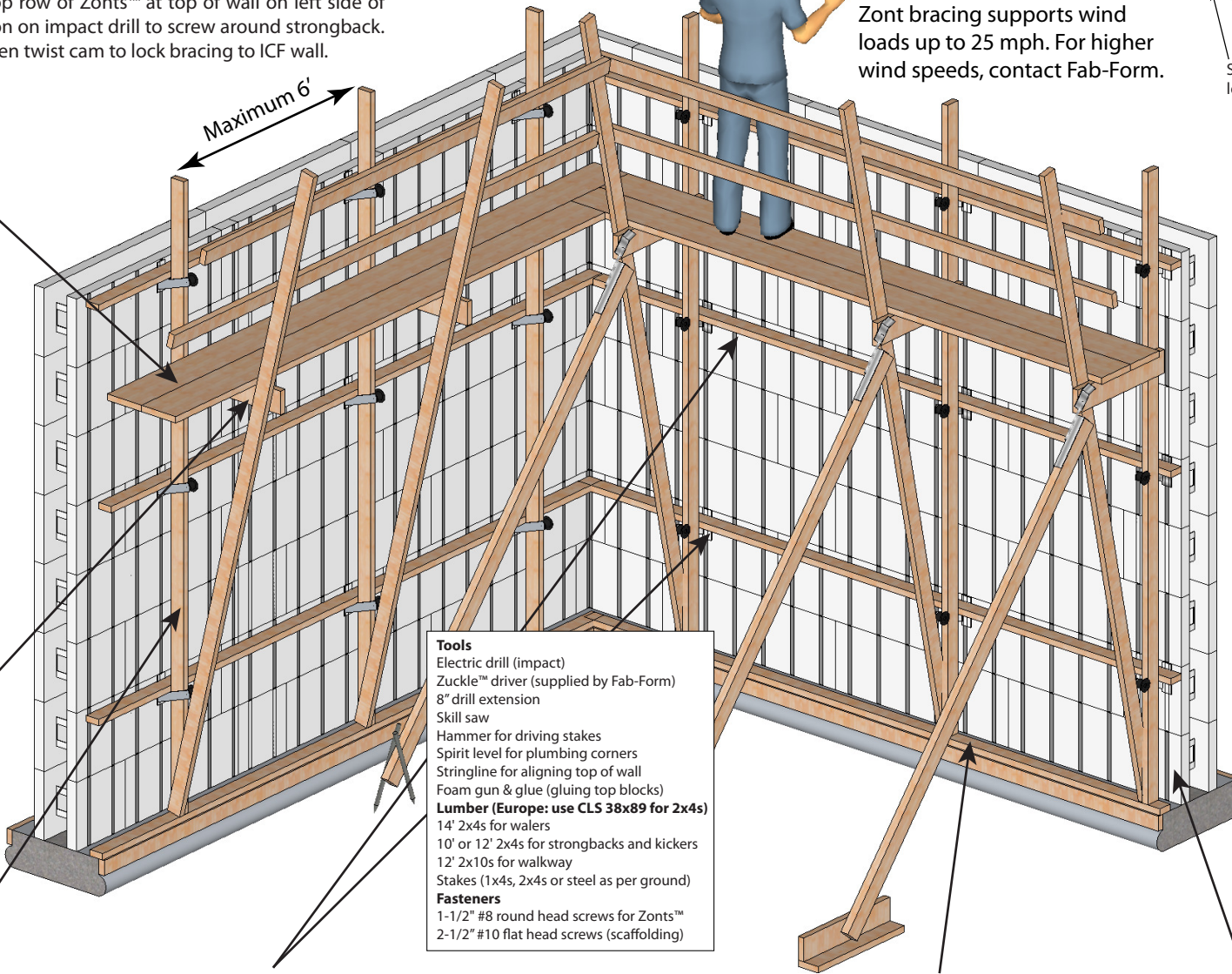
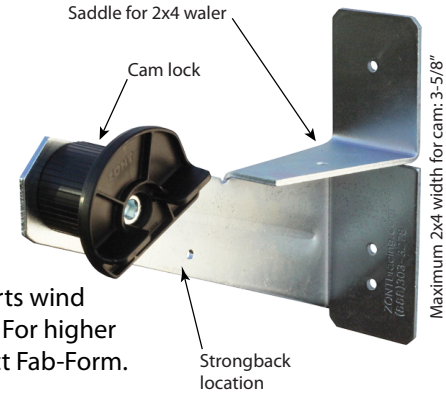
3 Install 3 or 4 levels of ICF. Screw attach 2 Zont™ layers as shown 6' on center using 1-1/2" x #8 flat head screws.

2 Nail 2x4 to top of footing (or slab) 3-5/8" away from ICF wall as base for vertical strongbacks.

1 Attach first row of block to the slab or footing with foam glue, metal channel, or 2x4s as per ICF manufacturer's instructions.



WIND LOADS
Zont bracing supports wind loads up to 25 mph. For higher wind speeds, contact Fab-Form.



- Tools**
- Electric drill (impact)
 - Zuckle™ driver (supplied by Fab-Form)
 - 8" drill extension
 - Skill saw
 - Hammer for driving stakes
 - Spirit level for plumbing corners
 - Stringline for aligning top of wall
 - Foam gun & glue (gluing top blocks)
- Lumber (Europe: use CLS 38x89 for 2x4s)**
- 14' 2x4s for walers
 - 10' or 12' 2x4s for strongbacks and kickers
 - 12' 2x10s for walkway
 - Stakes (1x4s, 2x4s or steel as per ground)
- Fasteners**
- 1-1/2" #8 round head screws for Zonts™
 - 2-1/2" #10 flat head screws (scaffolding)

IMPORTANT

- 1 Always **PUSH**, never pull wall
- 2 **Vibration** can loosen cams, check tightness
- 3 Never leave wall unbraced (wind damage)
- 4 Zont™ Bracing is a wall alignment system, ensure catwalk complies to local code

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