LOGIX®
INSULATED CONCRETE FORMS

Logix XP-1™

Designed for maximum simplicity, efficiency, speed and versatility

- XP-1™ is self-aligning <u>and</u> forgiving
- The 4' x 8' plywood sheets are reusable
- The 10 available wall thicknesses allow for the seamless integration of XP-1™ walls with many regular ICF <u>and</u> bare concrete walls

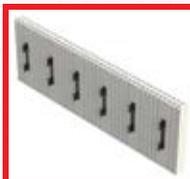### Engineered for superior strength and stability

- 4' x 8' plywood sheets minimize the number of seams and create a secure auto-offset
- Fool-proof and code-compliant rebar coverage is designed right into the XP-1™ system

Intelligently imagined to minimize costs

- The ONLY parts ordered through Logix are:

KD Panels

KD Connectors

XP-1™ Side Webs

XP-1™ Cones

All 4' x 8' plywood sheets and screws are purchased LOCALLY! Needless freight charges and mark-ups are eliminated.
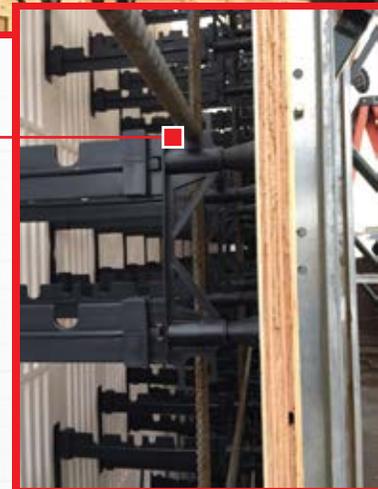

LOGIX®
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Build Anything **Better.**

THE ICF SOLUTIONS COMPANY

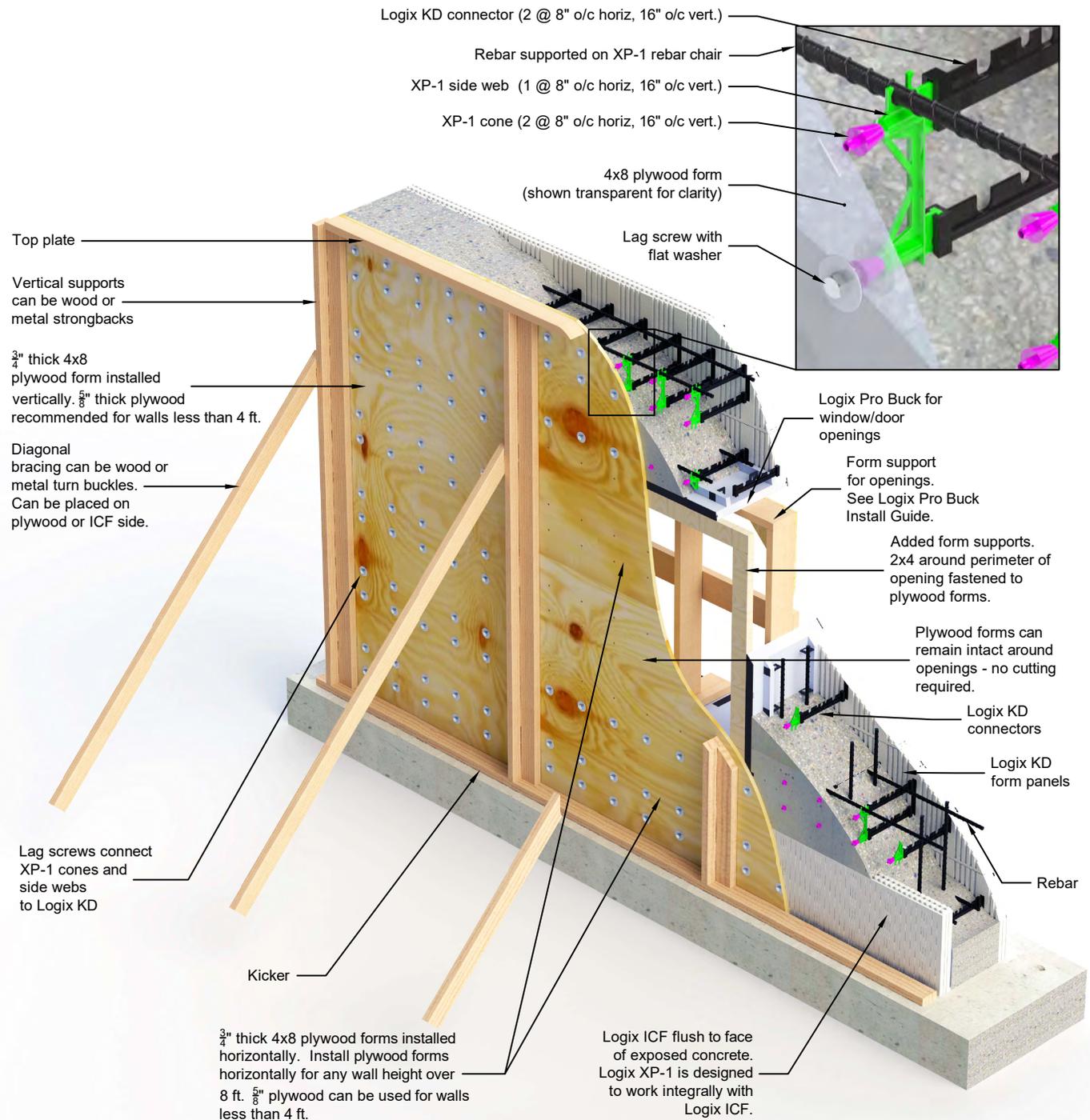**1.888.415.6449** • **LogixICF.com**

INSTALLATION STEPS

Before erecting XP-1 wall systems, the XP-1 side webs and cones should be assembled and fastened to the plywood sheets. The XP-1 wall system should only be built on relatively level ground, and free of debris.

1. Lightly tap the XP-1 cones with a hammer or rubber mallet into the holes drilled on the 4x8 plywood sheets. For drilling locations refer to "Logix XP-1 - Wall Thickness Charts & Plywood Drilling Locations."

2. Connect XP-1 side webs to the cones installed on the plywood sheets. Each XP-1 side web is easily hand-placed and friction fits onto two XP-1 cones.

3. Ensure the assembled XP-1 cones and side webs are properly secured to the plywood by using 1" flat washers and appropriate lag screws. For screw sizes refer to "Logix XP-1 - Wall Thickness Charts & Plywood Drilling Locations." Make sure to lay the plywood forms on a flat surface, with the XP-1 side webs facing down, before fastening screws. This will ensure the XP-1 side webs do not fall off when fastening.

4. Using 2x4s plumb and level a framed wall with a bottom kicker and top plate, and vertical supports every 4ft. Secure to the ground following the layout of the wall and using diagonal bracing to keep the framed wall plumb. Steel strong backs and turnbuckles can also be used to plumb the wall.

5. Place the first course of plywood sheets vertically or horizontally and fasten to the framing members making sure the vertical edges of the plywood sheets align with the approximate center of the vertical supports. The vertical supports will provide proper edge nailing for the plywood sheets.
When placing plywood sheets horizontally offset the vertical joints by 4 ft to create a running bond pattern.

6. Apply form oil to the inside face of the plywood forms. Do not use petroleum based oil in cases where the KD panels may be in contact with the form oil.

7. Start placing KD form panels once the plywood sheets are at most 8ft tall. The KD forms connect to the XP-1 side webs with KD connectors.

8. Placement of rebar can take place as the KD panels are installed.

9. Follow the same procedures you would use to create openings in Logix ICF walls. There is no need cut around the plywood. For added support fasten 2x4s around the perimeter of the r/o against the plywood.

10. Apply additional form support at end walls and corners. Refer to XP-1 Installation Guide for further details.

FEATURES

- Bracing can be placed on either ICF or wood form side depending on site conditions

- Plywood can be placed vertically or horizontally. Recommend installing sheets horizontally for any wall height other than 8ft

- No need to cut plywood for openings.

- XP-1 side webs have built-in chairs for horizontal rebar to allow proper rebar cover

- $\frac{5}{8}$" or ¾" plywood can be used.

- Stripped Plywood forms, lag screws and washers can be reused for other jobs

- After concrete sets and wood forms are stripped cones can be removed easily with plyers and optionally patched just the same as conventional concrete

- Designed to work integrally with Logix ICF.

Logix KD connector (2 @ 8" o/c horiz, 16" o/c vert.)

Rebar supported on XP-1 rebar chair

XP-1 side web (1 @ 8" o/c horiz, 16" o/c vert.)

XP-1 cone (2 @ 8" o/c horiz, 16" o/c vert.)

4x8 plywood form
(shown transparent for clarity)

Lag screw with
flat washer

Top plate

Vertical supports
can be wood or
metal strongbacks

$\frac{3}{4}$" thick 4x8
plywood form installed
vertically. $\frac{5}{8}$" thick plywood
recommended for walls less than 4 ft.

Diagonal
bracing can be wood or
metal turn buckles.
Can be placed on
plywood or ICF side.

Logix Pro Buck for
window/door
openings

Form support
for openings.
See Logix Pro Buck
Install Guide.

Added form supports.
2x4 around perimeter of
opening fastened to
plywood forms.

Plywood forms can
remain intact around
openings - no cutting
required.

Logix KD
connectors

Logix KD
form panels

Rebar

Lag screws connect
XP-1 cones and
side webs
to Logix KD

Kicker

$\frac{3}{4}$" thick 4x8 plywood forms installed
horizontally. Install plywood forms
horizontally for any wall height over
8 ft. $\frac{5}{8}$" plywood can be used for walls
less than 4 ft.

Logix ICF flush to face
of exposed concrete.
Logix XP-1 is designed
to work integrally with
Logix ICF.

LOGIX XP-1

Refer to the Logix XP-1 Installation Guide for detailed installation instructions.