IntegraSpec ICF Wall Systems

POWAY PROJECT

FOOTINGS

IntegraSpec of San Diego
Distributor

Frost Custom Builders Inc

IntegraSpec of San Diego
Poway Project CA


notes:
symbols
Basement Level shown in grey
the Main Level indicated
in red outline
1
Basement level

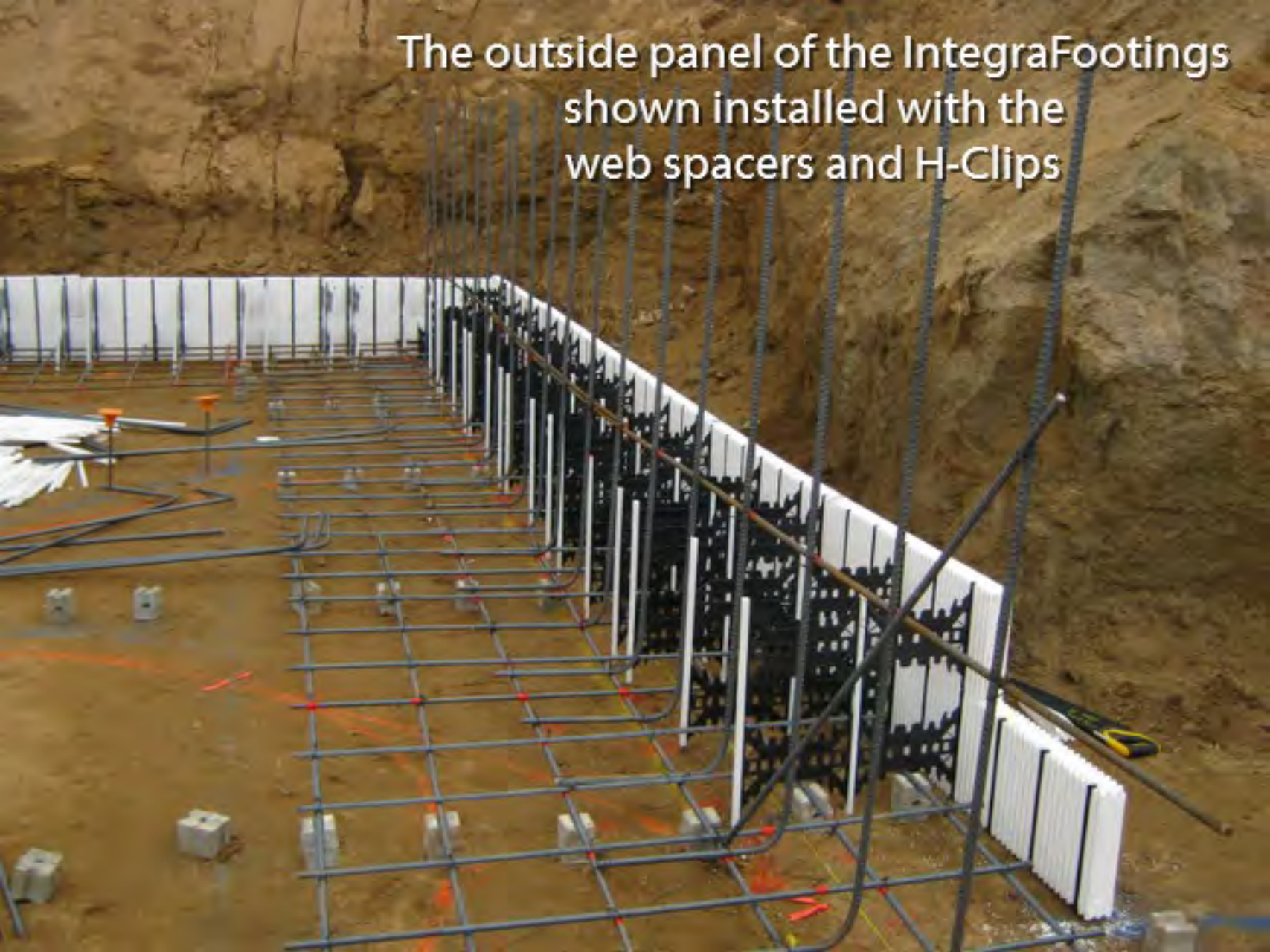

Footing outlines in blue and center of wall
in yellow help stage the footing process


the first layer of rebar


The first truckload has been delivered
to the site to be used for IntegraFootings


Concrete dobbies were used to maintain the required
3" spacing


First layer of rebar
in the required double matt
for earthquake zones



The outside panel of the IntegraFootings shown installed with the web spacers and H-Clips


Assembling the H-clips and web spacers

Daily inspections were made to confirm layout with engineering drawings


IntegraSpec panels
now form the outline
of the footings
03/16/2011


Earthquake
seizmic designs
for San Diego
require two matts of
horizontal rebar
and a footing
24" high 5 ft wide
03/16/2011


IntegraWebs with H-Clips
provide any width of footing
required and help cradle
the second matt of rebar
03/15/2011


IntegraFooters
allow installers to
assemble footings
any width or height
03/15/2011


Complicated footings
can be formed with the
IntegraFooter system
eliminating forming waste,
oil contaminents
and stripping


IntegraSpec product arrives to the site in plastic covered bundles 2' x 2' x 4' Protected from the sun's UV and easy to handle


IntegraWebs easily
cradle the rebar
03/02/2011


Challenging geometry was easily accomplished with the IntegraFooter
03/02/2011


IntegraSpec
independent panels
make forming
complex junctions
easier
03/02/2011


IntegraWebs also assist in supporting plumbing pipes required to pass through footings
03/02/2011


IntegraFooting now takes shape
creating the dynamic geometry of the
Architect's design
03/02/2011


The first pour to the basement level.
03/03/2011


Finishers smoothing out the surface
of the footings.
These guys are also the IntegraSpec ICF Installers
03/03/2011

The engineer requested the extended rebar connecting footings to the ICF walls.

The day after the footing pour excavators filled in the areas between the footings.

No time was lost waiting for forms to be stripped


IntegraSpec
2nd truck of material delivered
to begin the ICF wall assemble
03/24/2011


IntegraSpec ICF walls form
the outline of the building
03/16/2011


The versatility of the IntegraSpec ICF independent panel allows the most complex shapes to be formed
03/16/2011


03/30/


03/30/


03/30/


IntegraSpec ICF panels are 12 1/4" X 48"
Easily cut on tablesaws or compound miter saws
to create any shape required

View from the main level area
overlooking the basement garage


IntegraSpec independent panels flex to the curve.
Metal cleats anchored to the concrete
help hold the shape as the wall is built


Curved retaining wall.
The IntegraSpec panel is also used here
as an end buck for this 10" core wall


IntegraSpec ICF wall system
simplifies
building retaining walls
for hillside construction


IntegraSpec Tapered T - walls


IntegraSpec
Curved T- Walls


IntegraWebs used
to support Bucks
by extending wall
past the Buck


IntegraSpec independent
panel and webs
allow wall assembly around
in place rebar
requirements


IntegraSpec Technology
assists with interesting
challenges like
tapers and curves


The IntegraSpec
ECF system is used
for the elevator shaft


IntegraSpec ECF system can be used for any core thickness.
Here a curved outside panel skirts the square
elevator shaft


8" wide 3/4" plywood panels are placed
between the IntegraSpec Inserts.
These panels are removed later
to create an exposed concrete face.
03/24/2011


Structural columns
cradled within the
IntegraSpec ICF wall


Forming
a curved lintel
above a door opening


Lintel from below


Curves within curves
the geometry of this house
is very circular


These curved walls will form the Theatre Room
in the lower level basement


Special Inspection is required for seismic designs,
rebar requirements are very strict

The basement ICF walls are close to completion with the garage footings staged to continue

Walls shown form part of the lower level basement


The IntegraSpec ICF wall system using H-clips.
Any concrete core width can be built for the retaining walls
to hold back the hillside


Unlimited shapes and designs
can be accomplished
with IntegraSpec ICF technology

This will be a 13 ft tall retaining wall
with a 10" concrete core


IntegraSpec ICF wall being filled
with an 8" slump concrete mix
using a flex hose
MOVIE


IntegraSpec ICF walls filled 13 ft high
without any issues
05/05/2011


The IntegraSpec ICF walls
were engineered to perform as
retaining walls allowing excavators
to waterproof and backfill against the walls
before installing the floor system
05/05/2

IntegraSpec curved beams are being installed
to carry the ICF floor system

The ICF flooring system is being installed to bridge the basement to the main level