



EnergyEdge rails (EE rails) can be used as the concrete form with a kicker system or as a form liner. EnergyEdge braces (EE braces) should be used as rail connectors, occur within 18" of the joint or corner and 36" on-center thereafter. Rails should be laid corners first and straight runs last- minimizing cutting to the middle rail completing the run. Align, level and mechanically secure the rails to the kickers with screws on the exterior face of the rail. After the concrete has been poured and finished, screws may be backed out of the rails and kickers removed. EnergyEdge products remain in place, leaving a finished and insulated edge.

TYPE 1 FOUNDATION

DETAIL OF INSTALLED EE SYSTEM:

Assembly Members:

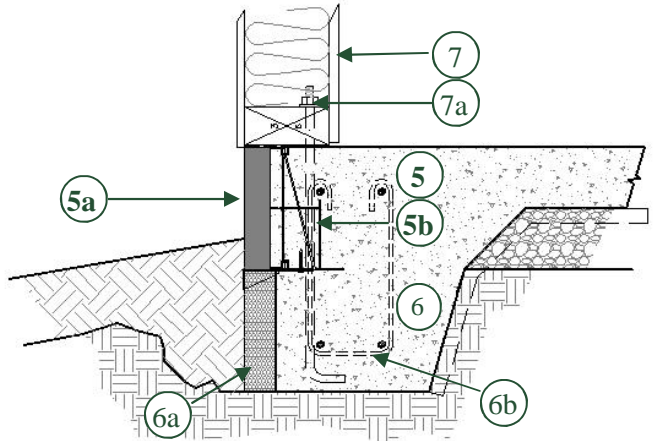
- (5) 8" Thickened edge concrete slab
- 5a. EnergyEdge rail (EE rail) with insulation
(2 profiles– mb or fb-shown)
- 5b. EnergyEdge brace (EE brace) *see spacing requirements*

(6) Monolithic foundation

- 6a Foundation insulation material *by others*
- 6b. Perimeter rebar & anchor systems *as required by plans.*

(7) Wall system at slab edge. varies.

- 7a. Anchor bolts for 2x wood plate *if applicable*

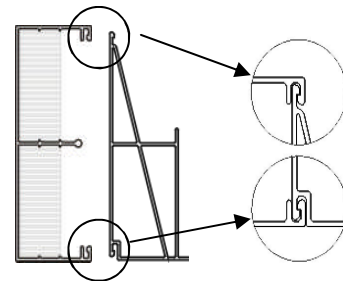


FOUNDATION RECOMMENDATIONS:

- Foundations should be poured with below grade insulation material on the outside of the foundation wall.

SECURE EE BRACES INTO THE EE RAILS:

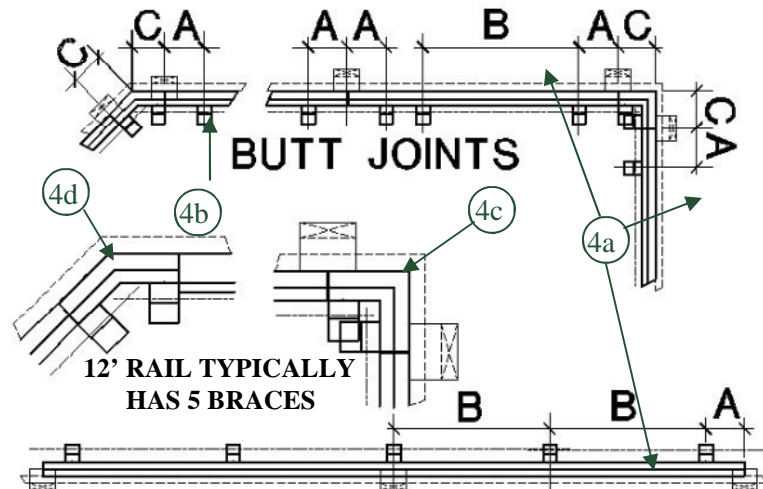
- Insure EE braces are securely set in both the top and bottom channels.
- Install EE braces **PRIOR** to installation of EE rails.
- Use rubber mallet to set, it may take two strikes to set both top and bottom knobs of EE brace into EE rail channel.
- EE Braces align & connect EE rails, function as rebar supports, & as anchors into the concrete.



EE BRACE SPACING GUIDELINES:

Dimension Key:

- A = 18" max;
- B = 36" max;
- C = 1 brace min. each return direction, approx 6" to 8".
- 4a. EE rails
- 4b. EE braces
- 4c. EE 90 degree corners– *field cut or purchased (fb & mb)*
- 4d. EE 45 degree corners– *field cut (fb & mb) or purchased (fb only)*



EE RAIL INSTALLATION BASICS

Alignment of EnergyEdge System with wall systems: Verify alignment of face of slab with building wall system dimension. For EE “MB” rail, offset additional 1 1/2” for bearing requirements.

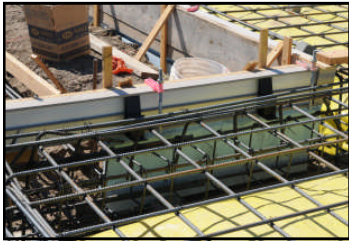
GENERAL STEPS:

1. **CORNERS & TRANSITIONS:** Locate, Level & Secure corners & transitions. Leave 1/4”-1/2” space at joints to allow for product expansion.
2. **STRAIGHT RUNS:** Install full lengths of EE rails from each corner and transition point. Level and secure each end of EE rail first then level and secure at kicker locations.
3. **CUT CONNECTING EE RAIL.** Cut only last EE rail to complete run.

SUPPORTING OPTIONS FOR THE EE RAILS

OPTION 1: TRADITIONAL STAKE & KICKERS

Traditional stake & kicker methods can be utilized with the EE rail simply replacing the forming lumber. Screw the kickers into the face of the EE rail, use a finish nail from the inside of the form to allow for easy form removal or loop a wire through the brace and stake.



OPTION 2: EE RAILS AS A FORM LINER

If preferred, traditional forming lumber may be utilized and EE rails can be screwed to the inside face of the lumber. For EE “FB” rails, set traditional forms as usual. For EE “MB” rails, offset forms by 1 1/2”. Traditional forms must be vertical for alignment purposes.



SLAB PLACEMENT RECOMMENDATIONS

- Fairly stiff slump is recommended
- Do not pour concrete directly on top of EE rails
- Pull concrete into EE system & tap exterior face of rail for maximum encasement– **DO NOT VIBRATE**
- Utilize the smooth screeding surface provided by EE rails for efficiency
- Remove all external supports (stakes, kickers, & forms) after placement & finishing for re-use

EE RAILS REMAIN IN PLACE– DO NOT REMOVE

- EE rails complete the transition from the foundation to wall insulation systems.
- Backfill per code requirements—do not allow machinery to come in contact with EE product as it may break/crack.
- EE rails can be finished if desired.
- Alert additional crews to finished edge, additional protection may be required during construction phases.

