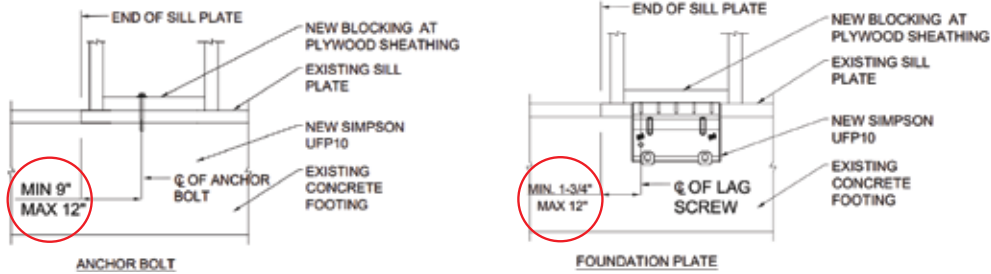


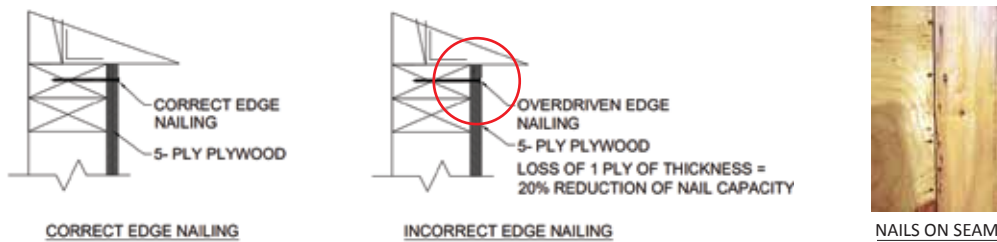
## Six EBB Construction Mistakes to Avoid

(First and foremost: Do not start construction before approval by EBB)

### #1 Incorrect Bolt/Screw End Distance in Mud sill



### #2 Nails Overdriven or Misplaced



### #3 Bolts and Nuts Improperly Installed



- Bolts should be straight and all nuts should be tightened as per manufacturer specifications
- Bolts should be flush with the top of the nut.

### #4 Use of Non-Approved Angles, Hold-downs, Clips and Foundation Plates



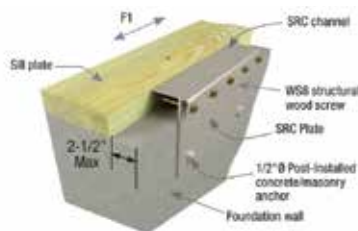
- No work is required at the interior of the crawlspace. Hold-downs are always located at the ends of shear walls.
- Vertical angles have no lateral capacity and are not required by Chapter A3 or the plan sets.  
*Note: the requirements for foundation plates include a minimum plate thickness, two 1/2" diameter anchors and three 1/4" diameter lag screws.*

### #5 Cripple Walls >4'-0" Must Be Designed by an Engineer or Using FEMA P-1100



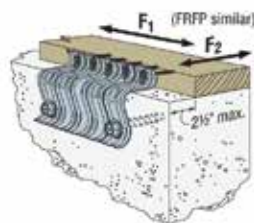
- Walls greater than 4'-0" require special attention as they may require hold-downs at each end.
- Chapter A3, Plan Set A and the LA Standard Plan Set all require an engineered design for walls > 4'.
- Check with the building department to see if they allow use of FEMA P-1100.

### #6 Only Use Manufacturer Specified Concrete Anchors in Prescriptive Hardware



Mitek SRC requires PowerStud® anchors

TYPICAL SRC INSTALLATION ON RECTANGULAR FOUNDATION



Simpson Strong-tie URFP requires SET-3G, AT-XP, or Titen HD

URFP INSTALLED ON A STRAIGHT FOUNDATION WITH 1/2" OFFSET MUDSILL

- Prescriptive hardware such as the SRC or URFP must be installed per the manufacturer's requirements unless a registered design professional specifies the anchor.
- Check the manufacturer's requirements for approved concrete/masonry anchors.

*Note: LA Standard Plan Set #1 requires all anchors have current LARR approval.*