 GRADE BEAM ELEVATION AT 18", 21" AND 24" WALL MODELS

1. GRADE BEAM ELEVATION AT ANCHOR REINFORCEMENT

   - Close tie anchor reinforcement where indicated
   - Grade beam elevation at anchor reinforcement

2. GRADE BEAM SECTION AT ANCHOR REINFORCEMENT

   - Steel: 5/8" minimum
   - Anchor: SSWAB1
   - Anchor: SSWAB1-3/4
   - Anchor: SSWAB3/4
   - Anchor: SSWAB1HS
   - Anchor: SSWAB3/4HS

3. CLOSED TIE ANCHOR REINFORCEMENT

   - Option: Cold joint
   - Grade beam anchor reinforcement
   - Grade beam section away from anchor reinforcement

4. GRADE BEAM ELEVATION AT 12" AND 15" WALL MODELS

   - Place anchor reinforcement where indicated
   - Grade beam elevation at anchor reinforcement

5. DIMENSIONING NOTES:

   - ANCHOR REINFORCEMENT
   - SHEAR REINFORCEMENT
   - CONTINUOUS GRADE BEAM TOP AND BOTTOM REINFORCEMENT

6. SSWAB ANCHOR GRADE BEAM REINFORCEMENT AND DESIGN MOMENTS

   - Steel: 5/8" minimum
   - Anchor: SSWAB1
   - Anchor: SSWAB1-3/4
   - Anchor: SSWAB3/4
   - Anchor: SSWAB1HS
   - Anchor: SSWAB3/4HS

   - Moment: (ASD shear x 0.6) x SSW height
   - Minimum moment: The lesser of tabulated or plastic hinge formation
   - Applied seismic moment: Design loads and allowable soil pressure

   - Minimum concrete compressive strength, f'c = 2500 psi
   - Closed tie anchor reinforcement:
     - ASTM A615 Grade 60 (min) #4 rebar
     - ASTM A615 Grade 50 (min) #4 rebar

   - Simpson Strong-Tie recommends using the tabulated minimum LRFD applied seismic design moment to ensure grade beam design flexure and shear strength is adequate to prevent grade beam longitudinal and tie reinforcement

   - Designer may use reduced moment due to applied SSW lateral load. Minimum moment shall be the lesser of tabulated or plastic hinge formation under demands associated with anchorage forces corresponding to ACI 318-11, Section D.3.3.4.3.

   - Grade beam longitudinal and tie reinforcement shall be specified by the registered design professional for flexure and shear loading. Design should consider project-specific placement of anchors.

   - Continuous grade beam top and bottom reinforcement by registered design professional.