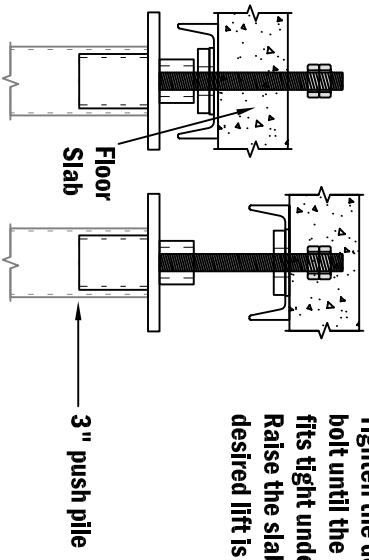
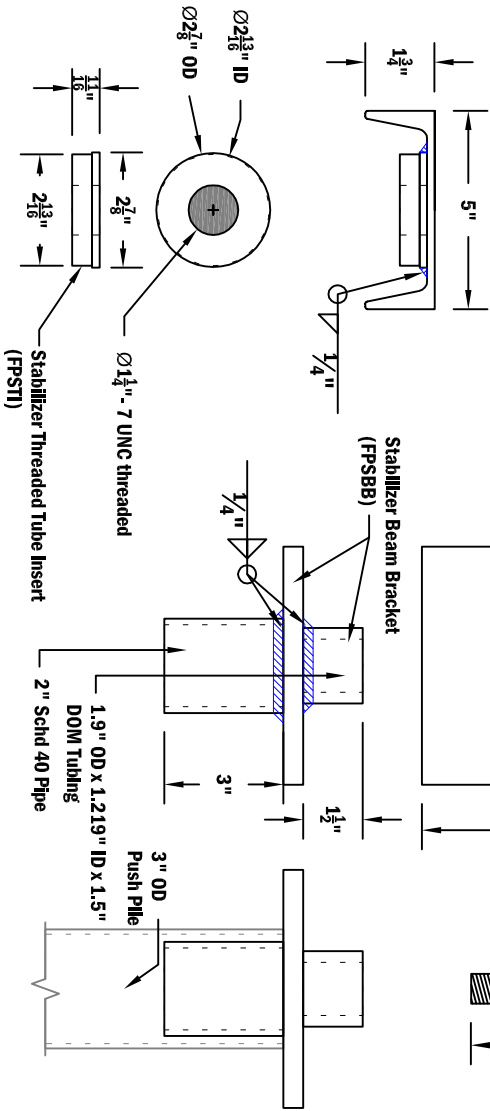


Tighten the double nutted bolt until the channel fits tight under the slab. Raise the slab until desired lift is achieved.



Slab Pier Stabilizer:

Stabilizer Beam Bracket (FPSBB) consisting of
 1.9" OD x 1.219" ID x 1.5" Tubing (ASTM A513) over
 6"x6"x1/2" Steel Plate (ASTM A36-08) over an additional
 2" Schedule 40 Pipe x 3" (ASTM A53B)

Stabilizer Threaded Tube Insert (FPSTI) welded to the bottom of the 5" x 6.7 #/ft Channel x 15"

Recommended Allowable Capacity
15 kips

C-Channel:
 5" x 15" x 6.7 #/ft Channel per ASTM A36-08
 Min Yield Stress: $F_y = 36 \text{ ksi}$
 Min Ult Tensile Stress: $F_u = 58 \text{ ksi}$

All-Thread Rod (FPSRF):
 $\phi 1\frac{1}{4}$ " - 7 UNC, All Thread Rod per ASTM 449
 Grade 5 and 2 Heavy Hex Nut per ASTM A194-09
 Min Yield Stress: $F_y = 130 \text{ ksi}$
 Min Ult Tensile Stress: $F_u = 150 \text{ ksi}$

Weld:
 ER70S per ANSI AWS D1.1-2010
 Min Ult Tensile Stress: $F_u = 70 \text{ ksi}$

Pipe and Tubing:
 1.9" OD x 1.219" ID x 1.5" DOM Tubing per ASTM A513, Type 5
 Min Yield Stress: $F_y = 65 \text{ ksi}$
 Min Ult Tensile Stress: $F_u = 75 \text{ ksi}$

2" Schedule 40 Pipe (2.375" OD x 0.154" wall x 3") per ASTM A53B
 Min Yield Stress: $F_y = 35 \text{ ksi}$
 Min Ult Tensile Stress: $F_u = 60 \text{ ksi}$

Optional Corrosion Protection:
 Hot-Dip Galvanized per ASTM A123-02/A153-05