

Model 350 Rotational Restraint System when used with the HA150 or HA175 Helical Tieback System

Collar:

Ø2.75" x 0.313" wall x 4.00" long DOM tube (HA150)
 Ø3.00" x 0.313" wall x 5.00" long DOM tube (HA175)
 ASTM A513 Type 5 Grade 1026
 Yield strength = 70 ksi (min.)

Hardware:

Ø¾" mechanically galvanized Grade 8 bolt and nut (HA150)
 (2) - Ø¾" mechanically galvanized Grade 8 bolts and nuts (HA175)
 Ø¾" zinc plated U-Bolt with nuts
 ASTM A108 Grade 1018 - cold drawn
 Yield strength = 70 ksi (min.)

Adapter Beam:

Weldment manufactured from ¾" and ½" ASTM A36 plates
 with (2) - Ø½" SAE J995 Grade 5 weld nuts

Finish:

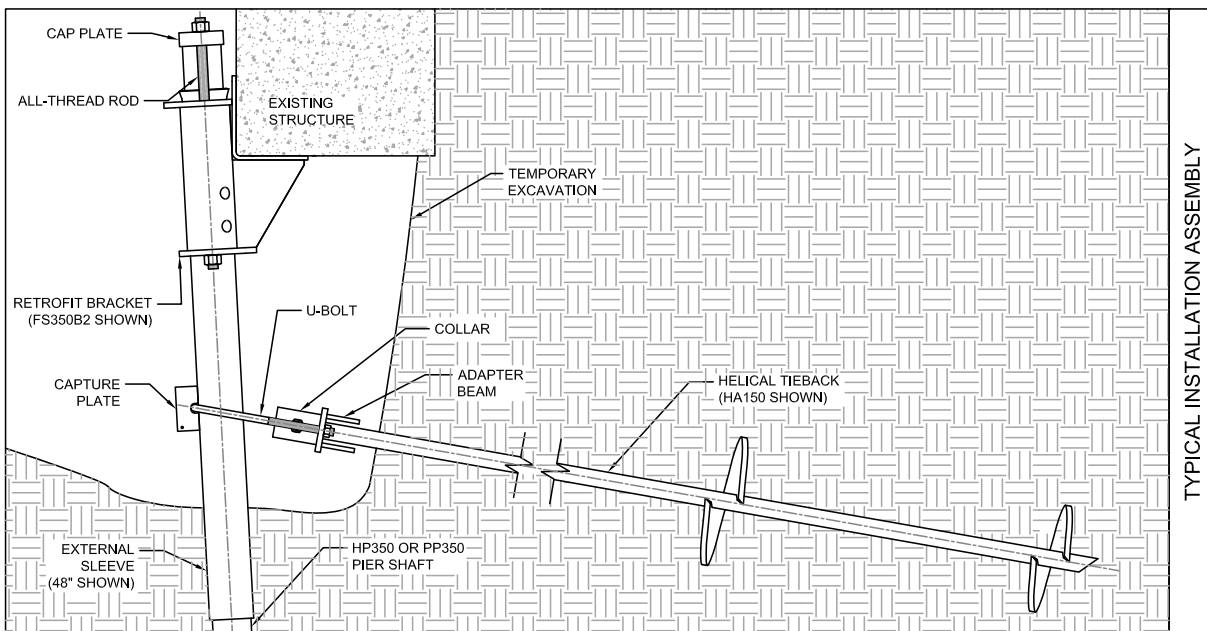
Available plain or with hot-dipped galvanized coating in
 accordance with ASTM A123

Capture Plate:

¾" ASTM A36 plate
 Tack-welded in field

Allowable Restraint System Capacity: Not Applicable

(Capacity is based on project specific loads and installation variables)



- (1) Model 350 Rotational Restraint System is designed for use with the FS350B2 and FS350B2V bracket assemblies and the FS350ES30 and FS350ES48 external sleeves.
- (2) The rotational restraint system is used to provide rotational stability to the bracket assembly when there is an exposed pier shaft length. The installed tieback capacity will vary based on the project loads and the installed geometry. Resulting horizontal component will vary with the installed angle of the tieback anchor. Vertical component of the tieback anchor force should be accounted for in the pier design.
- (3) The capacity of the helical tieback anchor is determined by torque correlation, field testing, or calculation by approved methods. See the current edition of the Supportworks Technical Manual for more information.
- (4) See separate technical specifications for information on the bracket, pier, and anchor components.